

# KENSINGTON PUBLIC SAFETY BUILDING

## ISSUED FOR BUILDING PERMIT



217 Arlington Avenue  
KENSINGTON, CA 94707

ISSUED FOR BUILDING PERMIT  
APRIL 1ST, 2022

APPROVALS:

\_\_\_\_\_  
BILL HANSEL  
Kensington General Manager

**CITY OF KENSINGTON**

KENSINGTON FIRE PROTECTION DISTRICT  
217 Arlington Avenue, Kensington CA 94707  
(510) 527-8395

**CONTRA COSTA COUNTY**

CONSERVATION AND DEVELOPMENT DEPARTMENT  
30 Muir Road, Martinez, CA 94553  
(925) 655-2700

**ARCHITECT**

MARJANG ARCHITECTURE  
930 Cole Street, Suite 101, San Francisco CA 94070  
(415) 522-0600

**STRUCTURAL ENGINEERING**

ZFA STRUCTURAL ENGINEERS  
1390 El Camino Real, Suite 100, San Carlos, CA 94070  
(650) 394-8869

**CIVIL ENGINEERING**

BKF ENGINEERS  
1646 N. California Boulevard, Suite 400, Walnut Creek, CA 94596  
(510) 879-4544

**MECHANICAL ENGINEERING**

LIST ENGINEERING COMPANY  
2 Harris Court, Suite A7, Monterey CA 93940  
(831) 373-4390

**GEOTECHNICAL ENGINEER**

HALEY ALDRICH  
1956 Webster Street, #300, Oakland CA 94612  
(510) 879-4544

**SPECIAL SYSTEMS, SECURITY, & ACOUSTICAL ENGINEERING**

SMITH, FAUSE, & MCDONALD INC.  
351 8th Street, San Francisco CA 94103  
(415) 255-9140

**ESTIMATOR**

MICROESTIMATION INC.  
850 S. Van Ness Avenue, #26, San Francisco CA 94110  
(415) 255-9140



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
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 KENSINGTON, CA 94707  
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 1956 WEBSTER ST #300  
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 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

| PROJECT DATA             | EXISTING  | ALLOWABLE | PROPOSED               |
|--------------------------|-----------|-----------|------------------------|
| CONSTRUCTION TYPE        | V-B       | V-B       | V-B                    |
| OCCUPANCY GROUP          | R2, S2, B |           | R2, S2, B              |
| BUILDING HEIGHT          | 25'-11"   | 60'-0"    | 25'-11"                |
| BUILDING AREA (GROSS SF) |           |           |                        |
| GF (STREET LEVEL)        | 2871      |           | 2871                   |
| 2F                       | 2917      |           | 3262 (345 SF ADDITION) |
| TOTAL AREA               | 5788      | 21,000    | 6133                   |
| NO. OF STORIES           | 2         | 3         | 2                      |

## 4 PROJECT INFORMATION

SCALE: 1/2" = 1'-0"

LOCATION: 217 ARLINGTON AVE  
 KENSINGTON, CA 94707

PARCEL: 570-050-021

ZONING: K-COMBINING DISTRICT, R-6

GENERAL USE: PS

SET BACKS:  
 SIDES: 15'-0" AGGREGATE, NO LESS THAN 5'-0"  
 FRONT: 25'-0"  
 REAR: 15'-0", 3'-0" ACCESSORY

HEIGHT LIMIT: 35'-0" (2-1/2 STORIES)

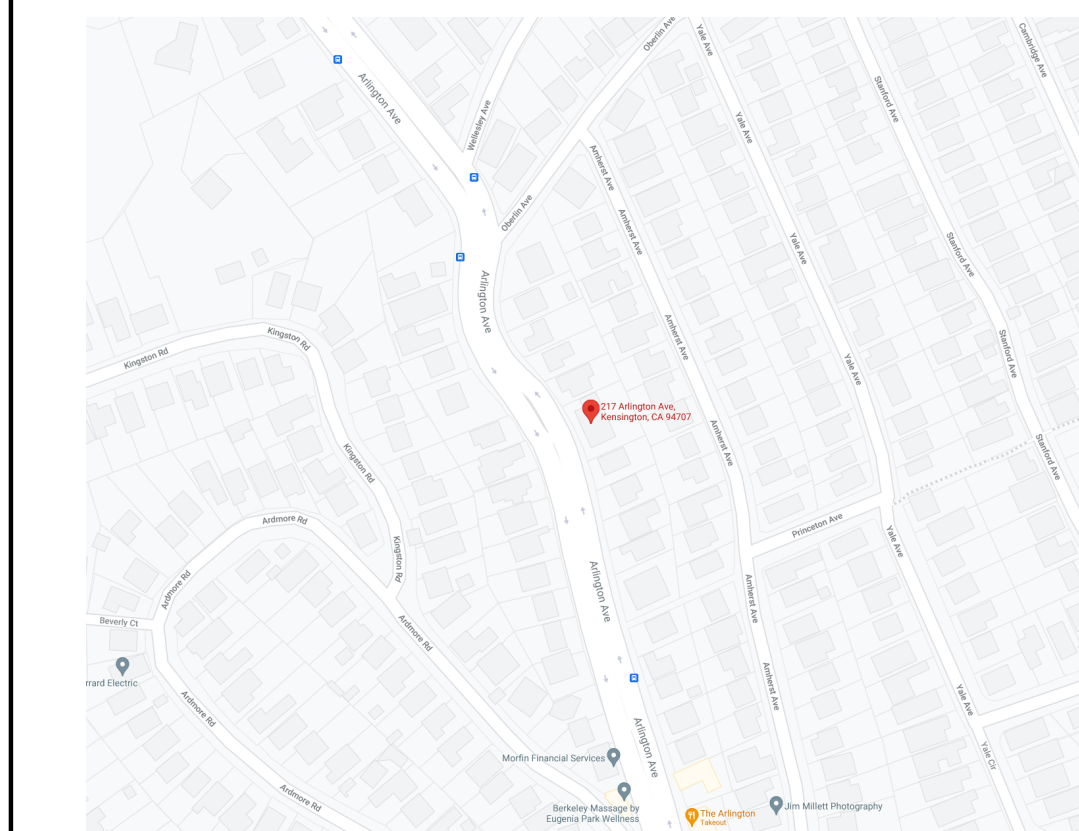
BUILDING HEIGHT:  
 EXISTING: 25'-11"  
 PROPOSED: 25'-11"

STORIES:  
 EXISTING: 2  
 PROPOSED: 2

BUILDING AREA:  
 EXISTING: 5788 SF  
 PROPOSED: 6133 SF

## 3 PLANNING INFORMATION

SCALE: 1/2" = 1'-0"



## 2 VICINITY MAP

SCALE: 1/2" = 1'-0"

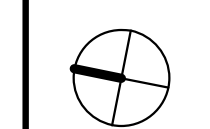
PROPOSED SCOPE OF WORK:

- 345 SF 2ND LEVEL ADDITION TO ENCLOSE EXISTING DECK SPACE.
- EXTERIOR WORK INCLUDES NEW WINDOWS, REPLACEMENT OF GARAGE DOORS, NEW ROOFING MEMBRANE. SIDING TO BE REPLACED AS REQUIRED (MATCH EXISTING).
- FULL INTERIOR REMODEL
- SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO VISUAL, ELECTRICAL, AND SECURITY DRAWINGS FOR SCOPE OF WORK.

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PLANNING SUBMITTAL R1             | 01/06/2022 |
| 6   | PLANNING REVISION 2               | 02/04/2022 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 TITLE SHEET



# A001

### GENERAL NOTES

- ALL CONSTRUCTION AND DETAILS SHALL BE COMPLETED IN FULL COMPLIANCE WITH 2019 UNIFORM BUILDING CODE, 2019 CALIFORNIA RESIDENTIAL CODE, 2019 CALIFORNIA BUILDING CODE, 2019 CALIFORNIA MECHANICAL CODE, 2019 CALIFORNIA ELECTRICAL CODE, 2019 CALIFORNIA FIRE CODE, 2019 CALIFORNIA PLUMBING CODE, 2019 CALIFORNIA PLUMBING CODE, 2019 CALIFORNIA ENERGY CODE, AND ALL OTHER APPLICABLE LOCAL AND STATE CODES AND REQUIREMENTS. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS, LAWS, ORDINANCES AND ORDERS BY ANY PUBLIC AUTHORITY HAVING JURISDICTION OF THE PROJECT.
- THE CONTRACTOR AND HIS/HER SUB-CONTRACTORS SHALL STUDY AND COMPARE THE CONTRACT DOCUMENTS AND SHALL AT ONCE REPORT TO THE ARCHITECT IN WRITING ALL ERRORS, INCONSISTENCIES OR OMISSIONS DISCOVERED AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING THE WORK. IF THE CONTRACTOR PROCEEDS WITH ANY OF THE WORK SO AFFECTED WITHOUT WRITTEN INSTRUCTIONS OF THE ARCHITECT, THE CONTRACTOR SHALL MAKE GOOD AT HIS OWN COST ANY RESULTING ERROR, DAMAGE, OR DEFECTS. THE CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK WITHOUT CONTRACT DOCUMENTS OR, WHERE REQUIRED, APPROVED SHOP DRAWINGS, PRODUCT DATA OR SAMPLES FOR SUCH PORTION OF THE WORK.
- THE INTENT OF THESE DRAWINGS IS TO PROVIDE A COMPLETE AND FINISHED JOB IN ALL RESPECTS. CONTRACTOR TO MAKE ACCURATE FIELD INSPECTIONS OF ALL ASPECTS OF THE JOB, VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING WORK, AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. EXTRAS WILL NOT BE ALLOWED UNLESS AUTHORIZED BY THE OWNER AND ARCHITECT BY WRITTEN CHANGE ORDER.
- ALL GRID LINES AND DIMENSIONS ARE TO CENTER LINE OF ARCHITECTURAL ELEMENT, CENTER LINE OF STUD, OR FACE OF FINISH UNLESS OTHERWISE NOTED. ONLY WRITTEN DIMENSIONS ON DRAWINGS SHALL BE CONSIDERED FOR DIMENSIONING PURPOSES. DO NOT SCALE DRAWINGS.
- BUILDING CODE REQUIREMENTS TAKE PRECEDENCE OVER THE DRAWINGS AND IT SHALL BE THE RESPONSIBILITY OF ANYONE SUPPLYING LABOR OR MATERIALS OR BOTH TO CONFORM WITH THE CODE, AND TO BRING TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES OR CONFLICTS BETWEEN THE REQUIREMENTS OF THE CODE AND THE DRAWINGS.
- CONTRACTOR SHALL CHECK WITH ALL EQUIPMENT AND PRODUCT MANUFACTURERS TO VERIFY DIMENSIONS AND DETAILS PRIOR TO THE COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTION PROGRAMS IN CONNECTION WITH WORK, AND FOR MAINTAINING APPROPRIATE INSURANCE TO PROTECT THE CONTRACTOR, THE OWNER AND THE ARCHITECT.
- CONTRACTOR SHALL ERECT AND MAINTAIN TEMPORARY BARRICADES AND DUST-PROOF PARTITIONS AS NEEDED FOR PROTECTION AGAINST ACCIDENT, AND SHALL CONTINUOUSLY MAINTAIN ADEQUATE PROTECTION OF HIS/HER ONGOING WORK AND THE OWNER'S PROPERTY FROM DAMAGE OR LOSS ARISING IN CONNECTION WITH ANY CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AT THE JOB AS NECESSARY AND REQUIRED BY CODE.
- IMPROVEMENTS ON THE JOB SITE, WORK IN PROGRESS, STORED MATERIALS AND PUBLIC AND PRIVATE IMPROVEMENTS ON THE PREMISES SHALL BE PROTECTED BY THE CONTRACTOR FROM DAMAGE ARISING FROM THE WORK. ALL DAMAGE SO OCCURRING SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO OWNER OR ARCHITECT.
- NO PART OF THE STRUCTURE SHALL BE OVERLOADED BEYOND ITS SAFE CARRYING CAPACITY BY THE PLACING OF MATERIALS, EQUIPMENT, TOOLS, MACHINERY OR ANY OTHER ITEMS.
- WHERE SPECIFIED ITEMS ARE MENTIONED, THE CONTRACTOR MAY SUBMIT ALTERNATE MATERIALS FOR APPROVAL BY THE OWNER AND THE ARCHITECT.
- ANY CHANGE, MODIFICATION OR INTERPRETATION OF THE SCOPE OR REQUIREMENTS OUTLINED WITHIN THESE DOCUMENTS, UNDERTAKEN WITHOUT CONSULTATION WITH THE ARCHITECT (OR ANY UNFORESEEN CONDITIONS RESULTING THEREFROM) SHALL BE THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR RESPECTIVELY. AS STIPULATED WITHIN THE OWNER/ARCHITECT AGREEMENT, THE ARCHITECT SHALL BE HELD HARMLESS FROM ANY CLAIMS RESULTING FROM SUCH ACTIVITY.
- BUILDING APPROVED HVAC MECHANICAL ENGINEER TO REVIEW DRAWINGS AND EXISTING SYSTEM TO CONFIRM CODE COMPLIANCE, AND COMPLETE WORK AS NECESSARY TO MEET BUILDING CODE.

## 7 GENERAL NOTES

SCALE: 1/2" = 1'-0"

|          |                        |          |                        |
|----------|------------------------|----------|------------------------|
| ADJ.     | Adjacent               | LEV.     | Level                  |
| A.F.F.   | Above Finish Floor     | LOC.     | Location               |
| @        | At                     | MAX.     | Maximum                |
| BD.      | Board                  | MECH.    | Mechanical             |
| BETW.    | Between                | MEMB.    | Membrane               |
| BLKG.    | Blocking               | MFR.     | Manufacturer           |
| BM.      | Beam                   | MIN.     | Minimum                |
| C.J.     | Control Joint          | MTD.     | Mounted                |
| C.L.     | Center Line            | MTL.     | Metal                  |
| CLNG.    | Ceiling                | MOD.     | Module                 |
| CLR.     | Clear                  | N.I.C.   | Not in Contact         |
| COL.     | Column                 | NO.      | Number                 |
| CONC.    | Concrete               | (N)      | New                    |
| CONST.   | Construction           | O.C.     | On Center              |
| CONT.    | Continuous             | OPNG.    | Opening                |
| DBL.     | Double                 | OPP.     | Opposite               |
| DIA.     | Diameter               | P.L.     | Property Line          |
| DIM.     | Dimension              | PLT.     | Plate                  |
| DN.      | Down                   | PLY.     | Plywood                |
| DR.      | Door                   | PT.      | Point                  |
| DTL.     | Detail                 | PTD.     | Painted                |
| DWG.     | Drawing                | RAD.     | Radius, Radii          |
| EA.      | Each                   | R.D.     | Roof Drain             |
| EL.      | Elevation              | REF.     | Refer To               |
| ELEC.    | Electrical             | RES.     | Resistant              |
| ELEV.    | Elevator               | RESIL.   | Resilient              |
| EQ.      | Equal/Equal To         | REQ'D    | Required               |
| EQUIP.   | Equipment              | RM.      | Room                   |
| EXP.     | Expansion              | R.O.     | Rough Opening          |
| EXT.     | Exterior               | S.C.     | Solid Core             |
| (E)      | Existing               | SCHED.   | Scheduled              |
| F.F.     | Finish Floor           | SECT.    | Section                |
| FLR.     | Floor                  | SHT.     | Sheet                  |
| FLUOR.   | Fluorescent            | SIM.     | Similar                |
| FIN.     | Finish                 | SKD GD.  | Skid Guard             |
| F.O.     | Face Of                | SSD      | See Structural Dwg's.  |
| F.O.S.   | Face of Stud           | ST. STL. | Stainless Steel        |
| F.O.W.   | Face of Wall           | STRUCT.  | Structural             |
| GA.      | Gauge                  | SUSP.    | Suspended              |
| GR.      | Grade                  | THK.     | Thick                  |
| GSM.     | Galvanized Sheet Metal | THRU.    | Through                |
| GYP. BD. | Gypsum Board           | T.O.     | Top Of                 |
| H.C.     | Hollow Core            | TYP.     | Typical                |
| H.M.     | Hollow Metal           | UNLESS   | Unless Otherwise Noted |
| HR.      | Hour                   | VEN.     | Veneer                 |
| HT.      | Height                 | VEST.    | Vestibule              |
| INS.     | Insulation             | VER.     | Verify                 |
| INT.     | Interior               | V.I.F.   | Verify in Field        |
| JT.      | Joint                  | W/       | With                   |
|          |                        | WD.      | Wood                   |

## 6 ABBREVIATIONS

SCALE: 1/2" = 1'-0"

## 5 SYMBOLS LEGEND

SCALE: 1/2" = 1'-0"

|  |   |
|--|---|
|  | CENTER LINE   |
|  | PROJECT NORTH   |
|  | LEVEL NAME AND ELEVATION DATUM                                      |
|  | GRIDLINE  |
|  | BUILDING AND DETAIL SECTION: I.E., DRAWING 1, SHEET A101            |
|  | ELEVATIONS AND INTERIOR ELEVATIONS: I.E., DRAWING 1 REF, SHEET A101 |
|  | CONTROL OR DATUM POINT  |
|  | LARGE SCALE DETAIL: I.E., DRAWING 1, SHEET A101                     |
|  | STAIR RUN TAG: NUMBER OF RISERS AND HEIGHT                          |
|  | DOOR TAG<br>RE: DOOR SCHEDULE                                       |
|  | WINDOW TAG<br>RE: WINDOW SCHEDULE                                   |
|  | ROOM TAG, NAME AND NUMBER   |
|  | PARTITION TYPE TAG  |
|  | REVISION NUMBER   |

## 1 SCOPE OF WORK

SCALE: 1/2" = 1'-0"

STAMP



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JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
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## SHEET INDEX

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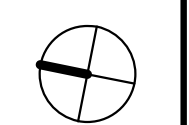
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# A002

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
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CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
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GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
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MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

CODE REFERENCE  
2019 CALIFORNIA BUILDING CODE VOLUMES I & II

USE & OCCUPANCY CLASSIFICATION (302.1)  
304.1 GROUP B CIVIC ADMINISTRATION  
310.4 GROUP R-2 DORMITORIES  
311.3 GROUP S-2 GARAGE, LOW HAZARD STORAGE

CONSTRUCTION TYPE (601)  
T-601 CONSTRUCTION TYPE TYPE V-B

BUILDING HEIGHTS & AREA LIMITATIONS - TYPE OF CONSTRUCTION: V-B, FULLY SPRINKLERED  
508.3.2 R-2 MIXED USE & OCCUPANCY MOST RESTRICTIVE  
T-504.3 ALLOWABLE HEIGHT 60'-0" (WITHOUT AREA INCREASE)  
T-506.2 ALLOWABLE AREA 21,000 SF SM (WITHOUT HEIGHT INCREASE)

NONSEPARATED OCCUPANCIES (508.3)  
508.3.3.2 NO SEPARATION REQUIRED EXCEPT FOR GROUP R-2  
420.2 & 708.3 R-2 FIRE PARTITION WALLS 1-HR  
420.3 R-2 HORIZONTAL SEPARATION 1-HR  
708.3.2 R-2 SLEEPING UNIT SEPARATION 1/2 HR

FIRE RESISTANT RATING REQUIREMENTS FOR BUILDING ELEMENTS TYPE V-B (T-601)  
PRIMARY STRUCTURE 0 HRS  
BEARING WALLS EXTERIOR 0 HRS  
BEARING WALLS INTERIOR 0 HRS  
NONBEARING WALLS -EXT 0 HRS  
NONBEARING WALLS -INT 0 HRS  
FLOOR CONSTRUCTION 0 HRS  
ROOF CONSTRUCTION 0 HRS

FIRE RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION (T-602)  
X < 5 1 HR  
10 < X < 30 0 HRS

OPENINGS (SPRINKLERED) UNPROTECTED (T-705.8)  
0-3FT NOT PERMITTED  
3-5FT 15%  
5-10FT 25%  
10-15FT 45%  
15-20FT 75%  
>20FT NO LIMIT

SINGLE EXITS WITH SPRINKLER SYSTEM (1006.3.3)  
T-1006.3.3(1) R-2 COMMON PATH OF EGRESS TRAVEL 125'-0" (4 DWELLING UNITS MAX)  
T-1006.3.3(2) B COMMON PATH OF EGRESS TRAVEL 75'-0" (49 MAX OCCUPANT LOAD)  
S COMMON PATH OF EGRESS TRAVEL 75'-0" (25 MAX OCCUPANT LOAD)

MAXIMUM EXIT ACCESS TRAVEL DISTANCE WITH SPRINKLER SYSTEM (T-1017.2)  
GROUP R-2 MAX. TRAVEL DISTANCE 250'-0"  
GROUP B MAX. TRAVEL DISTANCE 300'-0"  
GROUP S-2 MAX. TRAVEL DISTANCE 400'-0"

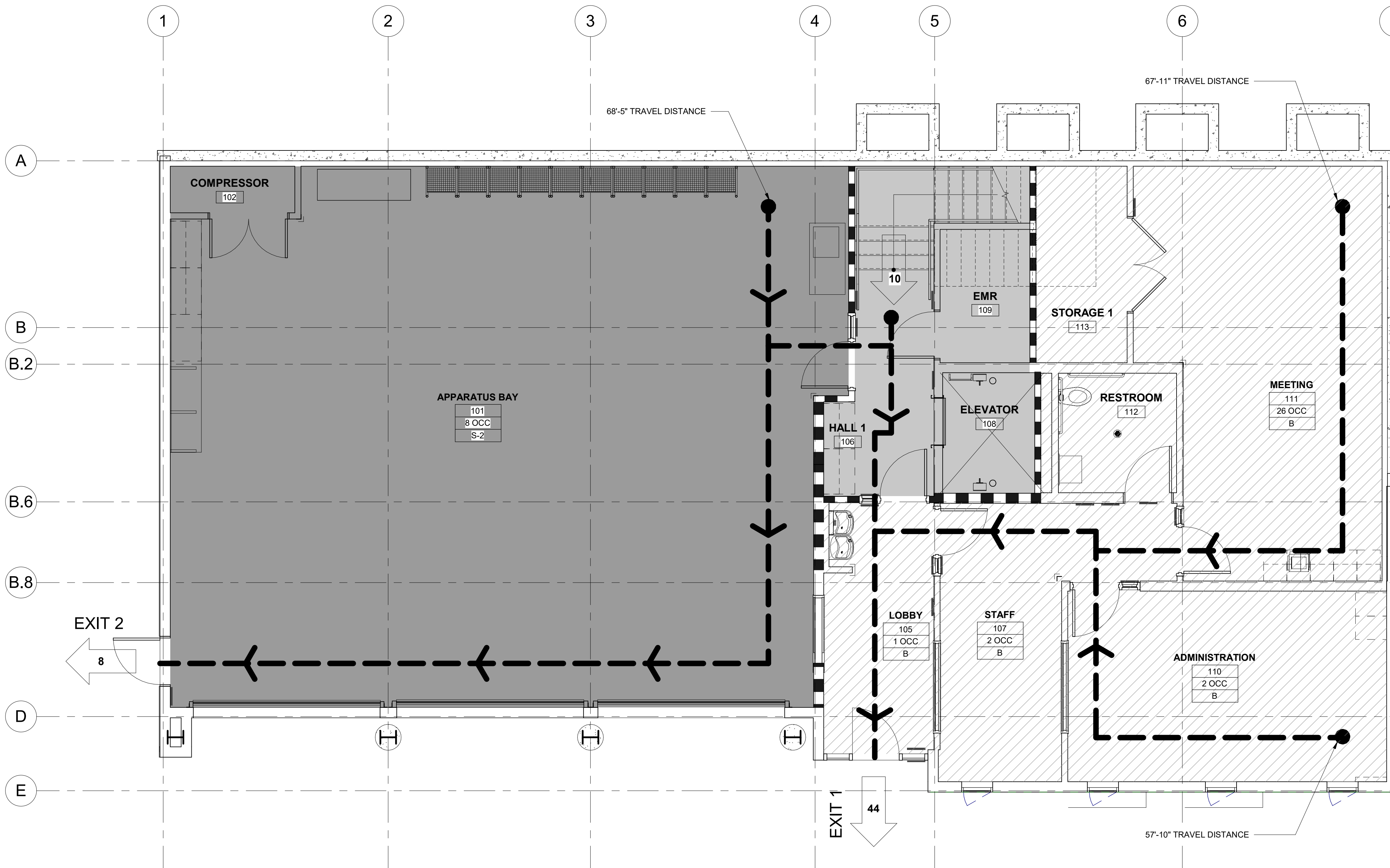
CORRIDOR FIRE-RESISTANCE RATING (T-1020.1)  
GROUP R-2 OCCUPANT LOAD >10 1-HR  
GROUP B OCCUPANT LOAD >30 0-HR  
GROUP S-2 OCCUPANT LOAD >30 0-HR

OCCUPANT LOAD TABLE (1004.1.2)  
SPACE FUNCTION LOAD FACTOR  
STORAGE/MECH./EQUIPMENT 300 GROSS  
BUSINESS 150 GROSS  
DORMITORIES 50 GROSS  
EXERCISE ROOMS 50 GROSS  
RESIDENTIAL (KITCHEN, DINING, DAY) 200 GROSS  
PARKING 200 GROSS  
UNCONCENTRATED TABLES AND CHAIRS 15 NET

REQUIRED STAIRWAY WIDTH (1005.3.1)  
CAPACITY FACTOR EX. 1 SPRINKLERED 0.2 INCHES (NOT LESS THAN 44" PER 1011)

OTHER EGRESS COMPONENTS SIZING (1005.3.2)  
CAPACITY FACTOR EX. 1 SPRINKLERED 0.15 INCHES (NOT LESS THAN 32" PER 1010.1)

- GROUP R-2
- GROUP S-2
- GROUP B
- NON RATED WALL
- 1-HR RATED WALL
- 1/2-HR RATED WALL



1 CODE DIAGRAM - 1ST LEVEL PLAN  
SCALE: 1/4" = 1'-0"

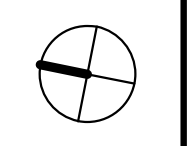
| OCCUPANT LOAD |                  |           |         |             |           |
|---------------|------------------|-----------|---------|-------------|-----------|
| NUMBER        | ROOM NAME        | OCC. TYPE | AREA    | LOAD FACTOR | OCC. LOAD |
| 101           | APPARATUS BAY    | S-2       | 1445 SF | 200         | 8         |
| 102           | COMPRESSOR       | S-2       | 24 SF   |             |           |
| 105           | LOBBY            | B         | 110 SF  | 150         | 1         |
| 106           | HALL 1           | R-2       | 143 SF  |             |           |
| 107           | STAFF            | B         | 177 SF  | 150         | 2         |
| 108           | ELEVATOR         | R-2       | 46 SF   |             |           |
| 109           | EMR              | R-2       | 49 SF   |             |           |
| 110           | ADMINISTRATION   | B         | 252 SF  | 150         | 2         |
| 111           | MEETING          | B         | 382 SF  | 15          | 26        |
| 112           | RESTROOM         | B         | 58 SF   |             |           |
| 113           | STORAGE 1        | B         | 33 SF   |             |           |
| 201           | (E) RADIO        | R-2       | 59 SF   | 300         | 1         |
| 202           | (E) STORAGE 2    | R-2       | 83 SF   | 300         | 1         |
| 203           | (E) TELECOM      | R-2       | 131 SF  | 300         | 1         |
| 204           | OFFICE 1         | R-2       | 127 SF  | 200         | 1         |
| 205           | CAPTAIN'S OFFICE | R-2       | 123 SF  | 200         | 1         |
| 206           | KITCHEN/DINING   | R-2       | 549 SF  | 200         | 3         |
| 207           | DAYROOM          | R-2       | 461 SF  | 200         | 3         |
| 208           | HALL 2           | R-2       | 222 SF  |             |           |
| 209           | EXERCISE         | R-2       | 287 SF  | 50          | 6         |
| 210           | ELEVATOR         | R-2       | 46 SF   |             |           |
| 211           | HALL 3           | R-2       | 128 SF  |             |           |
| 212           | DORM 1           | R-2       | 144 SF  | 50          | 3         |
| 213           | DORM 2           | R-2       | 144 SF  | 50          | 3         |
| 214           | DORM 3           | R-2       | 144 SF  | 50          | 3         |
| 215           | LAUNDRY          | R-2       | 54 SF   | 200         | 1         |
| 216           | ADA BATH 2       | R-2       | 66 SF   |             |           |
| 217           | BATH 1           | R-2       | 62 SF   |             |           |
| 218           | STORAGE 3        | R-2       | 36 SF   |             |           |

| EXIT CAPACITY                   |           |             |              |               |          |  |
|---------------------------------|-----------|-------------|--------------|---------------|----------|--|
| EXIT NO.                        | EXIT TYPE | REQ'D WIDTH | ACTUAL WIDTH | EXIT CAPACITY | EXIT USE |  |
| EXIT 1, TEMPERED SAFETY GLAZING | DOOR      | 32"         | 34"          | 227           | 44       |  |
| EXIT 2                          | DOOR      | 32"         | 34"          | 227           | 8        |  |
| EXIT 3                          | DOOR      | 32"         | 34"          | 227           | 6        |  |
| EXIT 4, TEMPERED SAFETY GLAZING | DOOR      | 32"         | 34"          | 227           | 19       |  |
| EXIT 5                          | DOOR      | 32"         | 34"          | 227           | 2        |  |
| EXIT 6                          | DOOR      | 32"         | 34"          | 227           | 1        |  |
| STAIR 1                         | STAIR     | 44"         | 44"          | 220           | 10       |  |

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO. 2106  
KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
CODE DIAGRAM LEVEL 1



A010

STAMP



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**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

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ARCHITECT: MARJANG ARCHITECTURE  
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 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
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 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

CIVIL: BKF ENGINEERS  
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 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
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MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
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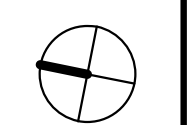
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 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
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| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 CODE DIAGRAM LEVEL 2



**A011**

CODE REFERENCE  
 2019 CALIFORNIA BUILDING CODE VOLUMES I & II

USE & OCCUPANCY CLASSIFICATION (302.1)  
 304.1 GROUP B CIVIC ADMINISTRATION  
 310.4 GROUP R-2 DORMITORIES  
 311.3 GROUP S-2 GARAGE, LOW HAZARD STORAGE

CONSTRUCTION TYPE (601)  
 T-601 CONSTRUCTION TYPE TYPE V-B

BUILDING HEIGHTS & AREA LIMITATIONS - TYPE OF CONSTRUCTION: V-B, FULLY SPRINKLERED  
 508.3.2 R-2 MIXED USE & OCCUPANCY MOST RESTRICTIVE  
 T-504.3 ALLOWABLE HEIGHT 60'-0" S(WITHOUT AREA INCREASE)  
 T-506.2 ALLOWABLE AREA 21,000 SF SM(WITHOUT HEIGHT INCREASE)

NONSEPARATED OCCUPANCIES (508.3)  
 508.3.3.2 NO SEPARATION REQUIRED EXCEPT FOR GROUP R-2  
 420.2 & 708.3 R-2 FIRE PARTITION WALLS 1-HR  
 420.3 R-2 HORIZONTAL SEPARATION 1-HR  
 708.3.2 R-2 SLEEPING UNIT SEPARATION 1/2 HR

FIRE RESISTANT RATING REQUIREMENTS FOR BUILDING ELEMENTS TYPE V-B (T-601)

PRIMARY STRUCTURE 0 HRS  
 BEARING WALLS EXTERIOR 0 HRS  
 BEARING WALLS INTERIOR 0 HRS  
 NONBEARING WALLS -EXT 0 HRS  
 NONBEARING WALLS -INT 0 HRS  
 FLOOR CONSTRUCTION 0 HRS  
 ROOF CONSTRUCTION 0 HRS

FIRE RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION (T-602)

X < 5 1 HR  
 10 < X < 30 0 HRS

OPENINGS (SPRINKLERED) UNPROTECTED (T-705.8)

0-3FT 3-5FT 5-10FT 10-15FT 15-20FT >20FT  
 NOT PERMITTED 15% 25% 45% 75% NO LIMIT

SINGLE EXITS WITH SPRINKLER SYSTEM (1006.3.3)

T-1006.3.3(1) R-2 COMMON PATH OF EGRESS TRAVEL 125'-0"(4 DWELLING UNITS MAX)  
 T-1006.3.3(2) B COMMON PATH OF EGRESS TRAVEL 75'-0"(49 MAX OCCUPANT LOAD)  
 S COMMON PATH OF EGRESS TRAVEL 75'-0"(25 MAX OCCUPANT LOAD)

MAXIMUM EXIT ACCESS TRAVEL DISTANCE WITH SPRINKLER SYSTEM (T-1017.2)

GROUP R-2 MAX. TRAVEL DISTANCE 250'-0"  
 GROUP B MAX. TRAVEL DISTANCE 300'-0"  
 GROUP S-2 MAX. TRAVEL DISTANCE 400'-0"

CORRIDOR FIRE-RESISTANCE RATING (T-1020.1)

GROUP R-2 OCCUPANT LOAD >10 1-HR  
 GROUP B OCCUPANT LOAD >30 0-HR  
 GROUP S-2 OCCUPANT LOAD >30 0-HR

OCCUPANT LOAD TABLE (1004.1.2)

| SPACE FUNCTION                     | LOAD FACTOR |
|------------------------------------|-------------|
| STORAGE/MECH/EQUIPMENT             | 300 GROSS   |
| BUSINESS                           | 150 GROSS   |
| DORMITORIES                        | 50 GROSS    |
| EXERCISE ROOMS                     | 50 GROSS    |
| RESIDENTIAL (KITCHEN, DINING, DAY) | 200 GROSS   |
| PARKING                            | 200 GROSS   |
| UNCONCENTRATED TABLES AND CHAIRS   | 15 NET      |

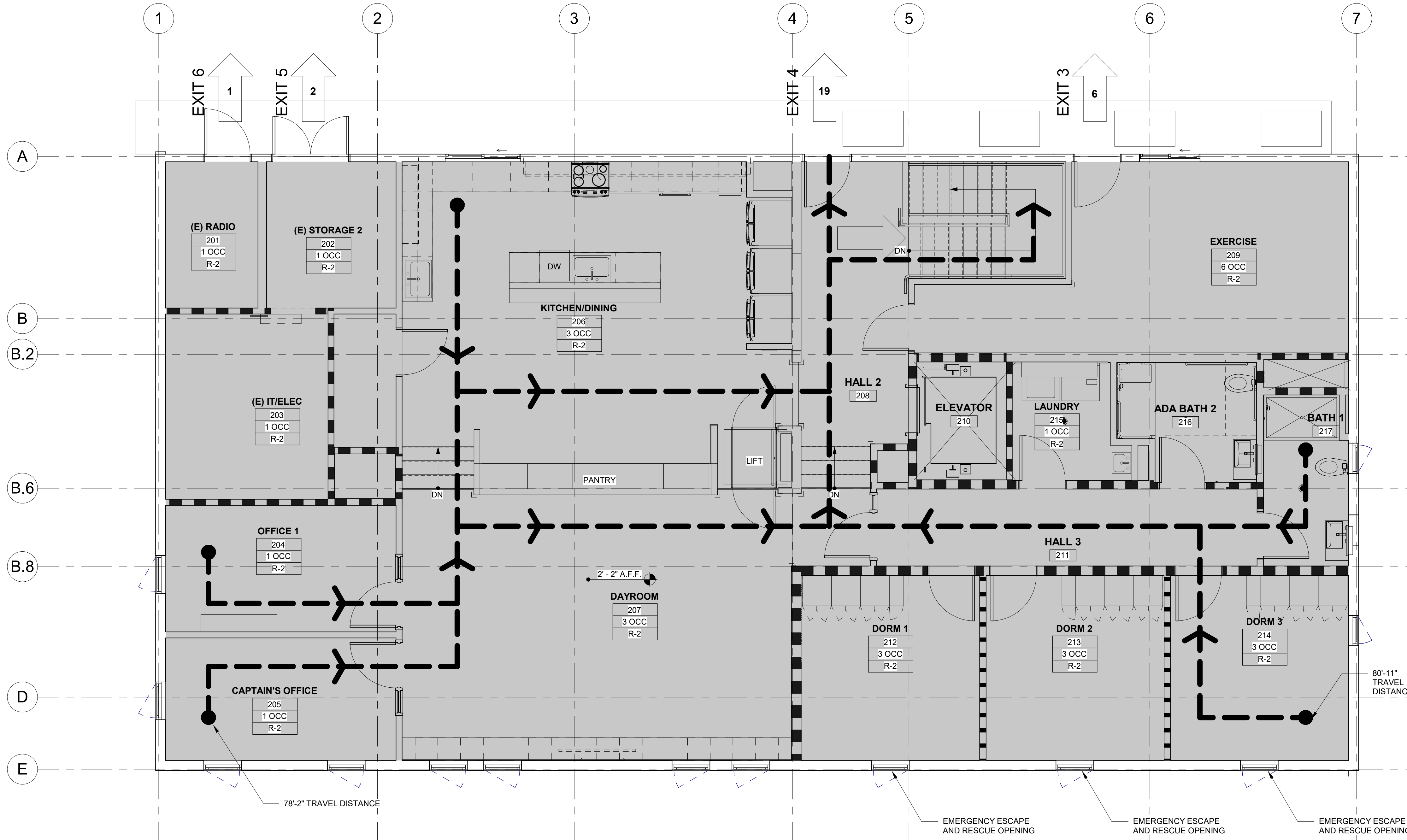
REQUIRED STAIRWAY WIDTH (1005.3.1)

CAPACITY FACTOR EX.1 SPRINKLERED 0.2 INCHES (NOT LESS THAN 44" PER 1011)

OTHER EGRESS COMPONENTS SIZING (1005.3.2)

CAPACITY FACTOR EX.1 SPRINKLERED 0.15 INCHES (NOT LESS THAN 32" PER 1010.1)

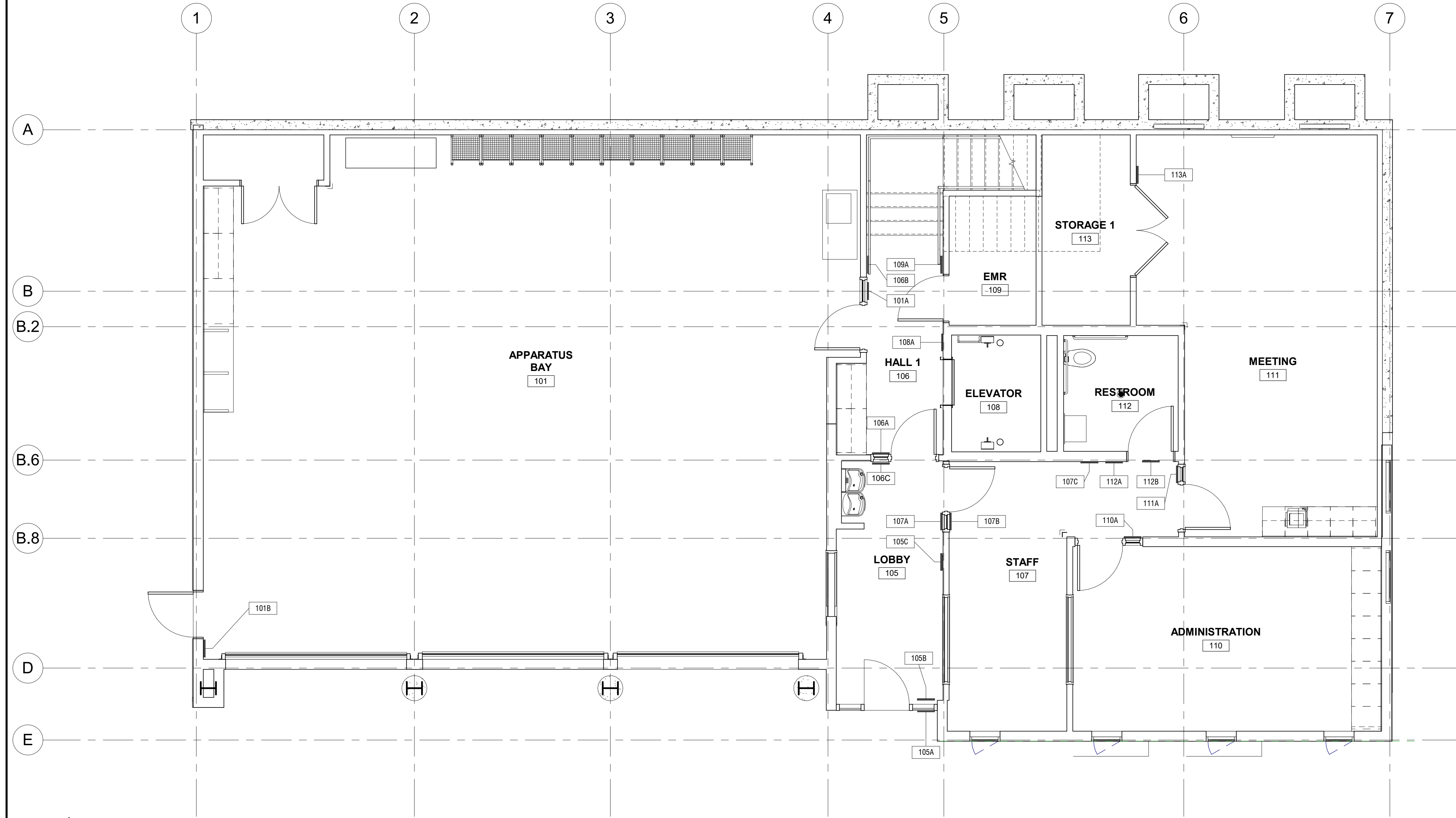
- GROUP R-2
- GROUP S-2
- GROUP B
- NON RATED WALL
- 1-HR RATED WALL
- 1/2-HR RATED WALL



**1** CODE DIAGRAM - 2ND LEVEL PLAN  
 SCALE: 1/4" = 1'-0"

| OCCUPANT LOAD |                  |           |         |             |           |
|---------------|------------------|-----------|---------|-------------|-----------|
| NUMBER        | ROOM NAME        | OCC. TYPE | AREA    | LOAD FACTOR | OCC. LOAD |
| 101           | APPARATUS BAY    | S-2       | 1445 SF | 200         | 8         |
| 102           | COMPRESSOR       | S-2       | 24 SF   |             |           |
| 105           | LOBBY            | B         | 110 SF  | 150         | 1         |
| 106           | HALL 1           | R-2       | 143 SF  |             |           |
| 107           | STAFF            | B         | 177 SF  | 150         | 2         |
| 108           | ELEVATOR         | R-2       | 46 SF   |             |           |
| 109           | EMR              | R-2       | 49 SF   |             |           |
| 110           | ADMINISTRATION   | B         | 252 SF  | 150         | 2         |
| 111           | MEETING          | B         | 382 SF  | 15          | 26        |
| 112           | RESTROOM         | B         | 58 SF   |             |           |
| 113           | STORAGE 1        | B         | 33 SF   |             |           |
| 201           | (E) RADIO        | R-2       | 59 SF   | 300         | 1         |
| 202           | (E) STORAGE 2    | R-2       | 83 SF   | 300         | 1         |
| 203           | (E) ITE/LEEC     | R-2       | 131 SF  | 300         | 1         |
| 204           | OFFICE 1         | R-2       | 127 SF  | 200         | 1         |
| 205           | CAPTAIN'S OFFICE | R-2       | 123 SF  | 200         | 1         |
| 206           | KITCHEN/DINING   | R-2       | 549 SF  | 200         | 3         |
| 207           | DAYROOM          | R-2       | 461 SF  | 200         | 3         |
| 208           | HALL 2           | R-2       | 222 SF  |             |           |
| 209           | EXERCISE         | R-2       | 287 SF  | 50          | 6         |
| 210           | ELEVATOR         | R-2       | 46 SF   |             |           |
| 211           | HALL 3           | R-2       | 128 SF  |             |           |
| 212           | DORM 1           | R-2       | 144 SF  | 50          | 3         |
| 213           | DORM 2           | R-2       | 144 SF  | 50          | 3         |
| 214           | DORM 3           | R-2       | 144 SF  | 50          | 3         |
| 215           | LAUNDRY          | R-2       | 54 SF   | 200         | 1         |
| 216           | ADA BATH 2       | R-2       | 66 SF   |             |           |
| 217           | BATH 1           | R-2       | 62 SF   |             |           |
| 218           | STORAGE 3        | R-2       | 36 SF   |             |           |

| EXIT CAPACITY                   |           |              |              |               |          |  |
|---------------------------------|-----------|--------------|--------------|---------------|----------|--|
| EXIT NO.                        | EXIT TYPE | REQ'D. WIDTH | ACTUAL WIDTH | EXIT CAPACITY | EXIT USE |  |
| EXIT 1, TEMPERED SAFETY GLAZING | DOOR      | 32"          | 34"          | 227           | 44       |  |
| EXIT 2                          | DOOR      | 32"          | 34"          | 227           | 8        |  |
| EXIT 3                          | DOOR      | 32"          | 34"          | 227           | 6        |  |
| EXIT 4, TEMPERED SAFETY GLAZING | DOOR      | 32"          | 34"          | 227           | 19       |  |
| EXIT 5                          | DOOR      | 32"          | 34"          | 227           | 2        |  |
| EXIT 6                          | DOOR      | 32"          | 34"          | 227           | 1        |  |
| STAIR 1                         | STAIR     | 44"          | 44"          | 220           | 10       |  |



**1 | SIGNAGE PLAN - 1ST LEVEL PLAN**  
SCALE: 1/4" = 1'-0"

SIGNAGE SCHEDULE - 1ST LEVEL

| SIGN ID | ROOM LOCATION         | SIGN TYPE                   | LANGUAGE                                     | DETAIL REFERENCE | MOUNTING LOCATION    | BRAILLE AND TACTILE |
|---------|-----------------------|-----------------------------|--|------------------|----------------------|---------------------|
| 101A    | APPARATUS BAY         | ROOM ID                     | 101 APPARATUS BAY                            | 1/A014           | GLASS MOUNT          | YES                 |
| 101B    | APPARATUS BAY         | DIRECTIONAL                 | EXIT   | 2/A014           | WALL MOUNT           | YES                 |
| 105A    | LOBBY ENTRANCE        | ISA                         | ISA  | 9/A015           | EXTERIOR GLASS MOUNT | NO                  |
| 105B    | LOBBY                 | DIRECTIONAL                 | EXIT   | 2/A014           | GLASS MOUNT          | YES                 |
| 105C    | LOBBY                 | FIRE EXTINGUISHER FLAG      | SEE DETAIL                                   | 1/A015           | WALL MOUNT           | NO                  |
| 106A    | HALL 1                | DIRECTIONAL                 | EXIT ROUTE                                   | 2/A014           | GLASS MOUNT          | YES                 |
| 106B    | HALL 1                | STAIR LEVEL IDENTIFICATION  | *1   | 6/A015           | WALL MOUNT           | YES                 |
| 106C    | HALL 1                | RESTROOM ID                 | 106 HALL 1                                   | 1/A014           | GLASS MOUNT          | YES                 |
| 107A    | STAFF                 | ROOM ID                     | 107 STAFF                                    | 1/A014           | GLASS MOUNT          | YES                 |
| 107B    | STAFF                 | DIRECTIONAL                 | EXIT ROUTE                                   | 2/A014           | GLASS MOUNT          | YES                 |
| 107C    | STAFF                 | EMERGENCY EVACUATION NOTICE | EXIT MAP, EVACUATION INSTRUCTIONS PER DETAIL | 14/A015          | WALL MOUNT           | NO                  |
| 108A    | ELEVATOR              | IN CASE OF FIRE             | SEE DETAIL                                   | 5/A015           | WALL MOUNT           | NO                  |
| 109A    | ELEVATOR MACHINE ROOM | ROOM ID                     | 109 ELEVATOR MACHINE ROOM                    | 1/A014           | WALL MOUNT           | YES                 |
| 110A    | ADMINISTRATION        | ROOM ID                     | 110 ADMINISTRATION                           | 1/A014           | GLASS MOUNT          | YES                 |
| 111A    | MEETING ROOM          | ROOM ID                     | 111 MEETING ROOM                             | 1/A014           | GLASS MOUNT          | YES                 |
| 112A    | RESTROOM              | RESTROOM ID                 | ALL GENDER RESTROOM                          | 5/A014           | WALL MOUNT           | YES                 |
| 112B    | RESTROOM              | RESTROOM SYMBOL             | ALL GENDER SYMBOL                            | 6/A014           | DOOR MOUNT           | NO                  |
| 113A    | STORAGE 1             | ROOM ID                     | 113 STORAGE 1                                | 1/A014           | WALL MOUNT           | YES                 |

**SHEET NOTES**

- SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A001.
- FOR SIGNAGE DETAILS, SYMBOLS, AND MOUNTING HEIGHTS, SEE SHEETS A014, A015.
- VERIFY EXACT SIGNAGE LOCATIONS AND MOUNTING HEIGHTS PRIOR TO INSTALLATION.
- WHERE SIGNAGE IS MOUNTED ON EXTERIOR FACADE, PROVIDE BACKING PLATE AND SEALANT WITH BACKING ROD, TYPICAL INCLUDING WEEP HOLE AT BOTTOM.
- WHERE SIGNAGE IS MOUNTED ON GLASS, PROVIDE MATCHING BLANK PLATE ON OPPOSITE SIDE, ALIGNED WITH SIGN.
- ALL SIGNS ARE CONTRACTOR PROVIDED AND INSTALLED, U.O.N.
- SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE SIGNAGE.
- CONFIRM FINAL LOCATIONS OF ALL CITY REQUIRED SIGNAGE WITH CLIENT AND ARCHITECT PRIOR TO MOUNTING.
- WHERE SIGNS ARE LOCATED ON THE SITE, PROVIDE 2" GALV PIPE POLE SET IN CONCRETE BASE AT HEIGHT INDICATED PER CIVIL DRAWING DETAILS.

**MARJANG ARCHITECTURE**

STAMP



PROJECT ADDRESS

**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

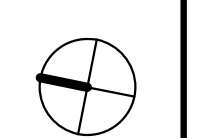
PROJECT TEAM

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CONTACT: HENRY TOORYANI  
T: (415) 826-9626

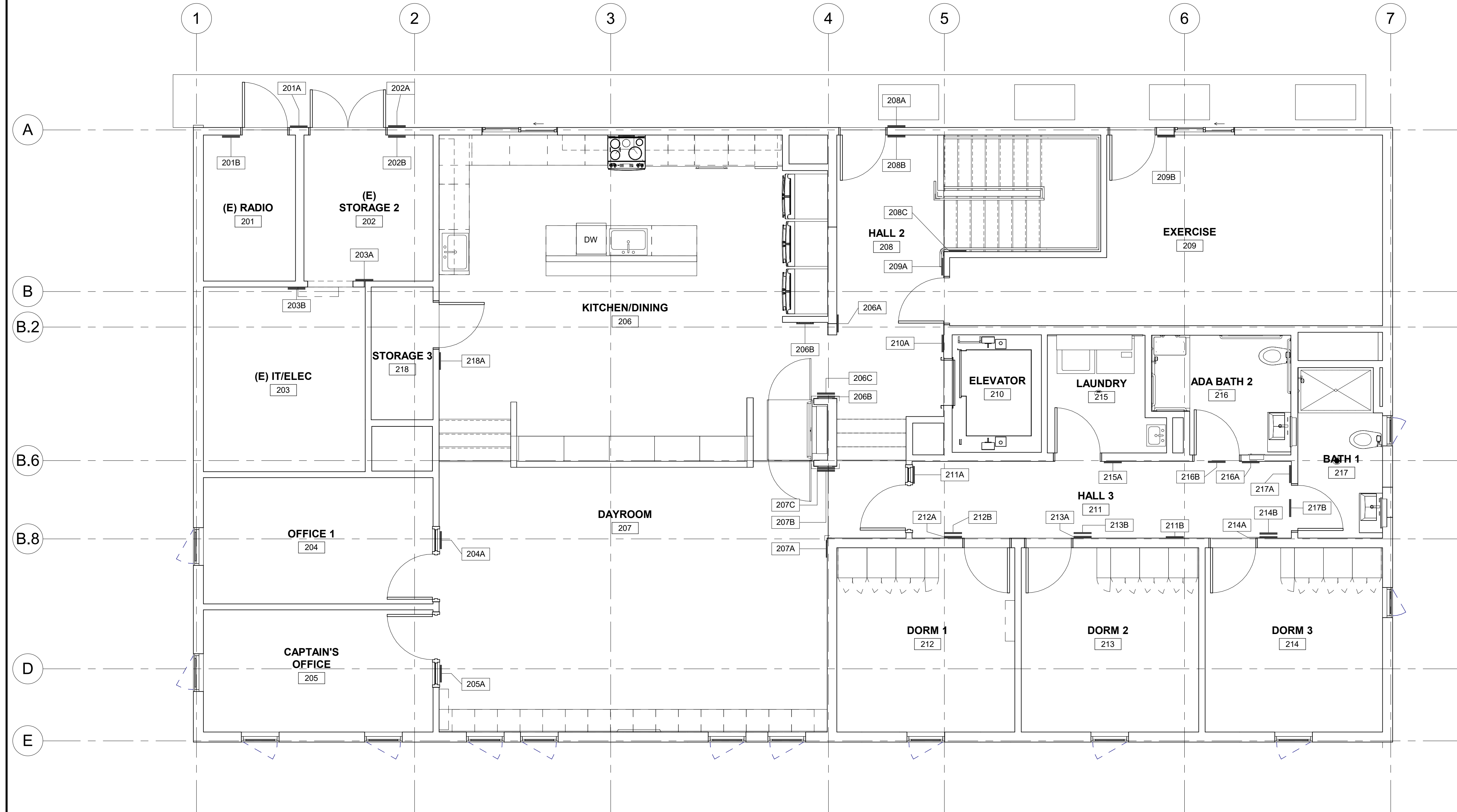
| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO. 2106  
KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
GROUND FLOOR SIGNAGE PLAN



**A012**



**SHEET NOTES**

1. SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A001.
2. FOR SIGNAGE DETAILS, SYMBOLS, AND MOUNTING HEIGHTS, SEE SHEETS A014, A015.
3. VERIFY EXACT SIGNAGE LOCATIONS AND MOUNTING HEIGHTS PRIOR TO INSTALLATION.
4. WHERE SIGNAGE IS MOUNTED ON EXTERIOR FACADE, PROVIDE BACKING PLATE AND SEALANT WITH BACKING ROD, TYPICAL INCLUDING WEEP HOLE AT BOTTOM.
5. WHERE SIGNAGE IS MOUNTED ON GLASS, PROVIDE MATCHING BLANK PLATE ON OPPOSITE SIDE, ALIGNED WITH SIGN.
6. ALL SIGNS ARE CONTRACTOR PROVIDED AND INSTALLED, U.O.N.
7. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE SIGNAGE.
8. CONFIRM FINAL LOCATIONS OF ALL CITY REQUIRED SIGNAGE WITH CLIENT AND ARCHITECT PRIOR TO MOUNTING.
9. WHERE SIGNS ARE LOCATED ON THE SITE, PROVIDE 2" GALV PIPE POLE SET IN CONCRETE BASE AT HEIGHT INDICATED PER CIVIL DRAWING DETAILS.

**MARJANG ARCHITECTURE**

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
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CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

**1 SIGNAGE PLAN - 2ND LEVEL PLAN**  
 SCALE: 1/4" = 1'-0"

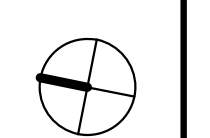
**SIGNAGE SCHEDULE - 2ND LEVEL**

| SIGN ID | ROOM LOCATION    | SIGN TYPE                   | LANGUAGE                                     | DETAIL REFERENCE | MOUNTING LOCATION   | BRAILLE AND TACTILE |
|---------|------------------|-----------------------------|--|------------------|---------------------|---------------------|
| 201A    | RADIO            | ROOM ID                     | 201 RADIO                                    | 1/A014           | EXTERIOR            | YES                 |
| 201B    | RADIO            | DIRECTIONAL                 | EXIT   | 2/A014           | WALL MOUNT          | YES                 |
| 202A    | STORAGE 2        | ROOM ID                     | 202 STORAGE 2                                | 1/A014           | EXTERIOR            | YES                 |
| 202B    | STORAGE 2        | DIRECTIONAL                 | EXIT   | 2/A014           | WALL MOUNT          | YES                 |
| 203A    | IT/ELECTRICAL    | ROOM ID                     | 203 IT AND ELECTRICAL                        | 1/A014           | WALL MOUNT          | YES                 |
| 203B    | IT/ELECTRICAL    | DIRECTIONAL                 | EXIT ROUTE                                   | 2/A014           | WALL MOUNT          | YES                 |
| 204A    | OFFICE 1         | ROOM ID                     | 204 OFFICE                                   | 1/A014           | WALL MOUNT          | YES                 |
| 205A    | CAPTAIN'S OFFICE | ROOM ID                     | 205 CAPTAIN'S OFFICE                         | 1/A014           | WALL MOUNT          | YES                 |
| 206A    | KITCHEN / DINING | ROOM ID                     | 206 KITCHEN AND DINING                       | 1/A014           | WALL MOUNT          | YES                 |
| 206B    | KITCHEN / DINING | FIRE EXTINGUISHER FLAG      | SEE DETAIL                                   | 1/A015           | WALL MOUNT          | NO                  |
| 206B    | KITCHEN / DINING | DIRECTIONAL                 | NO FREIGHT                                   | 2/A014           | WALL MOUNT          | YES                 |
| 206C    | KITCHEN / DINING | ISA                         | ISA  | 13/A014          | WALL MOUNT          | NO                  |
| 207A    | DAYROOM          | ROOM ID                     | 207 DAYROOM                                  | 1/A014           | WALL MOUNT          | YES                 |
| 207B    | DAYROOM          | ISA                         | ISA  | 13/A014          | WALL MOUNT          | NO                  |
| 207C    | DAYROOM          | DIRECTIONAL                 | NO FREIGHT                                   | 2/A014           | WALL MOUNT          | YES                 |
| 208A    | HALL 2           | ISA                         | ISA  | 14/A014          | EXTERIOR WALL MOUNT | NO                  |
| 208B    | HALL 2           | DIRECTIONAL                 | EXIT   | 2/A014           | WALL MOUNT          | YES                 |
| 208C    | HALL 2           | STAIR LEVEL IDENTIFICATION  | *2   | 6/A015           | WALL MOUNT          | YES                 |
| 209A    | EXERCISE ROOM    | ROOM ID                     | 209 EXERCISE ROOM                            | 1/A014           | WALL MOUNT          | YES                 |
| 209B    | EXERCISE ROOM    | DIRECTIONAL                 | EXIT   | 2/A014           | WALL MOUNT          | YES                 |
| 210A    | ELEVATOR         | IN CASE OF FIRE             | SEE DETAIL                                   | 5/A015           | WALL MOUNT          | NO                  |
| 211A    | HALL 3           | DIRECTIONAL                 | EXIT ROUTE                                   | 2/A014           | GLASS MOUNT         | YES                 |
| 211B    | HALL 3           | EMERGENCY EVACUATION NOTICE | EXIT MAP, EVACUATION INSTRUCTIONS PER DETAIL | 14/A015          | WALL MOUNT          | NO                  |
| 212A    | DORM 1           | ROOM ID                     | 212 DORM 1                                   | 1/A014           | WALL MOUNT          | YES                 |
| 212B    | DORM 1           | ISA                         | ISA  | 14/A014          | WALL MOUNT          | NO                  |
| 213A    | DORM 2           | ROOM ID                     | 213 DORM 2                                   | 1/A014           | WALL MOUNT          | YES                 |
| 213B    | ISA              | ISA                         | ISA  | 14/A014          | WALL MOUNT          | NO                  |
| 214A    | DORM 3           | ROOM ID                     | 214 DORM 3                                   | 1/A014           | WALL MOUNT          | YES                 |
| 214B    | ISA              | ISA                         | ISA  | 14/A014          | WALL MOUNT          | NO                  |
| 215A    | LAUNDRY          | ROOM ID                     | 215 LAUNDRY                                  | 1/A014           | WALL MOUNT          | YES                 |
| 216A    | ADA BATHROOM     | RESTROOM ID                 | ALL GENDER RESTROOM                          | 5/A014           | WALL MOUNT          | YES                 |
| 216B    | ADA BATHROOM     | RESTROOM SYMBOL             | ALL GENDER SYMBOL                            | 6/A014           | DOOR MOUNT          | YES                 |
| 217A    | BATHROOM         | RESTROOM ID                 | ALL GENDER RESTROOM                          | 5/A014           | WALL MOUNT          | YES                 |
| 217B    | BATHROOM         | RESTROOM SYMBOL             | ALL GENDER SYMBOL                            | 6/A014           | DOOR MOUNT          | YES                 |
| 218A    | STORAGE 3        | ROOM ID                     | 218 STORAGE 3                                | 1/A014           | WALL MOUNT          | YES                 |

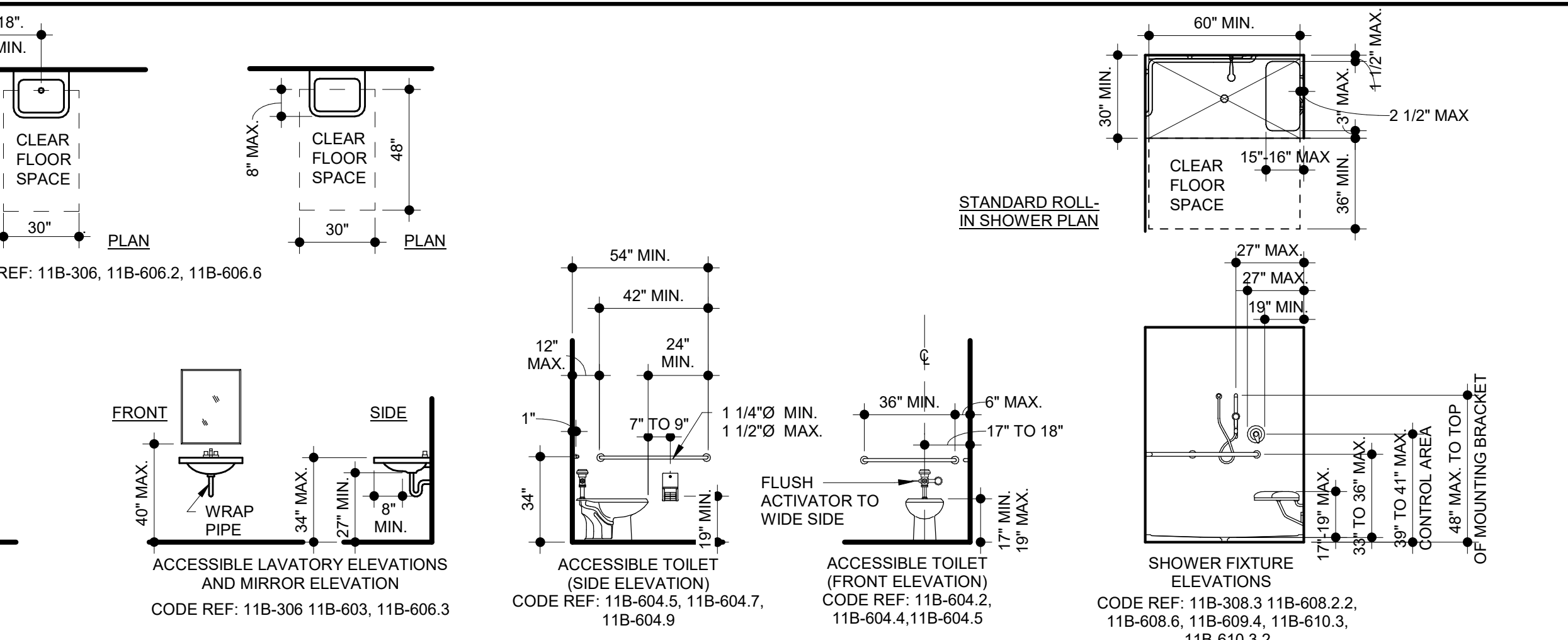
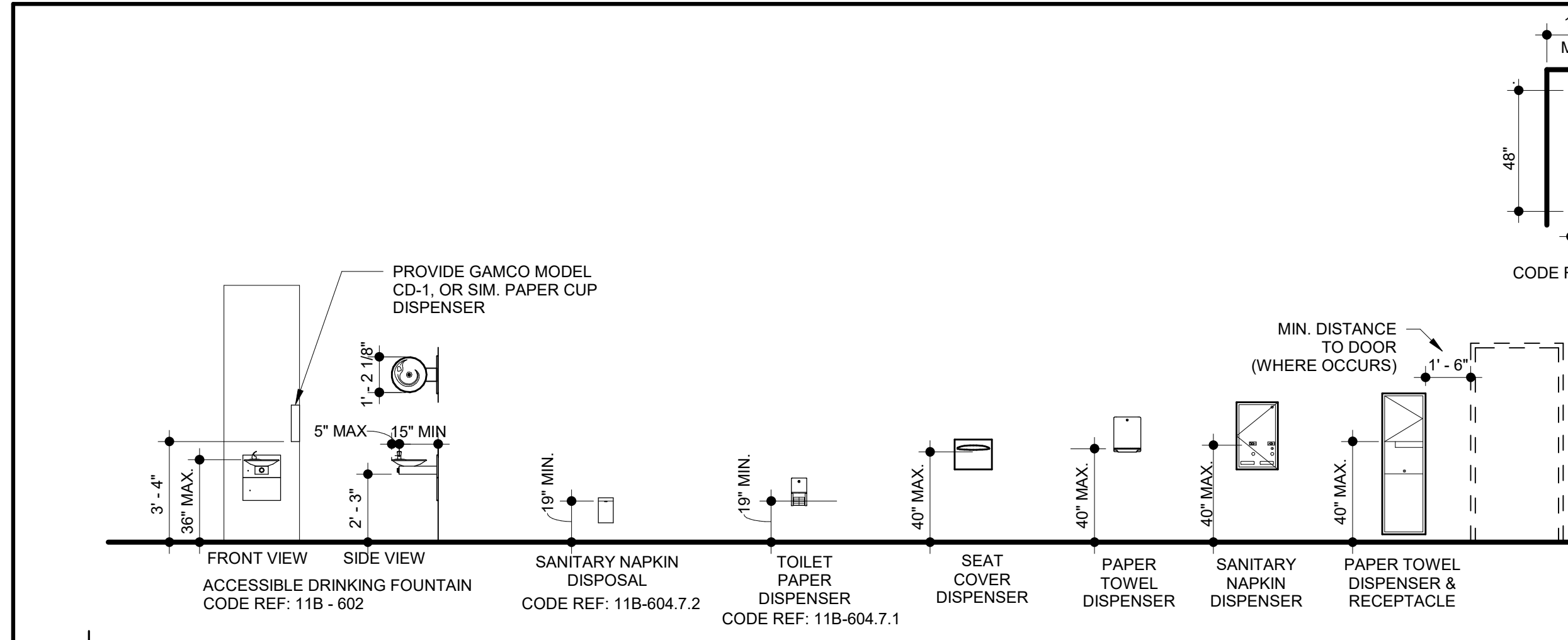
| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 SECOND FLOOR SIGNAGE PLAN



**A013**



**SHEET NOTES**

- SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A001.
- WHERE SIGNAGE IS MOUNTED ON EXTERIOR FACADE, PROVIDE BACKING PLATE AND SEALANT WITH BACKING ROD. TYPICAL INCLUDING WEEP HOLE AT BOTTOM. WHERE SIGNAGE IS MOUNTED ON GLASS, PROVIDE MATCHING BLANK PLATE ON OPPOSITE SIDE, ALIGNED WITH SIGN.
- ALL SIGNS ARE CONTRACTOR PROVIDED AND INSTALLED, U.O.N.
- SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE SIGNAGE.
- CONFIRM FINAL LOCATIONS OF ALL CITY REQUIRED SIGNAGE WITH CLIENT AND ARCHITECT PRIOR TO MOUNTING.
- WHERE SIGNS ARE LOCATED ON THE SITE, PROVIDE 2" GALV PIPE POLE SET IN CONCRETE BASE AT HEIGHT INDICATED PER CIVIL DRAWING DETAILS.

**MARJANG ARCHITECTURE**

STAMP

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217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
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1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
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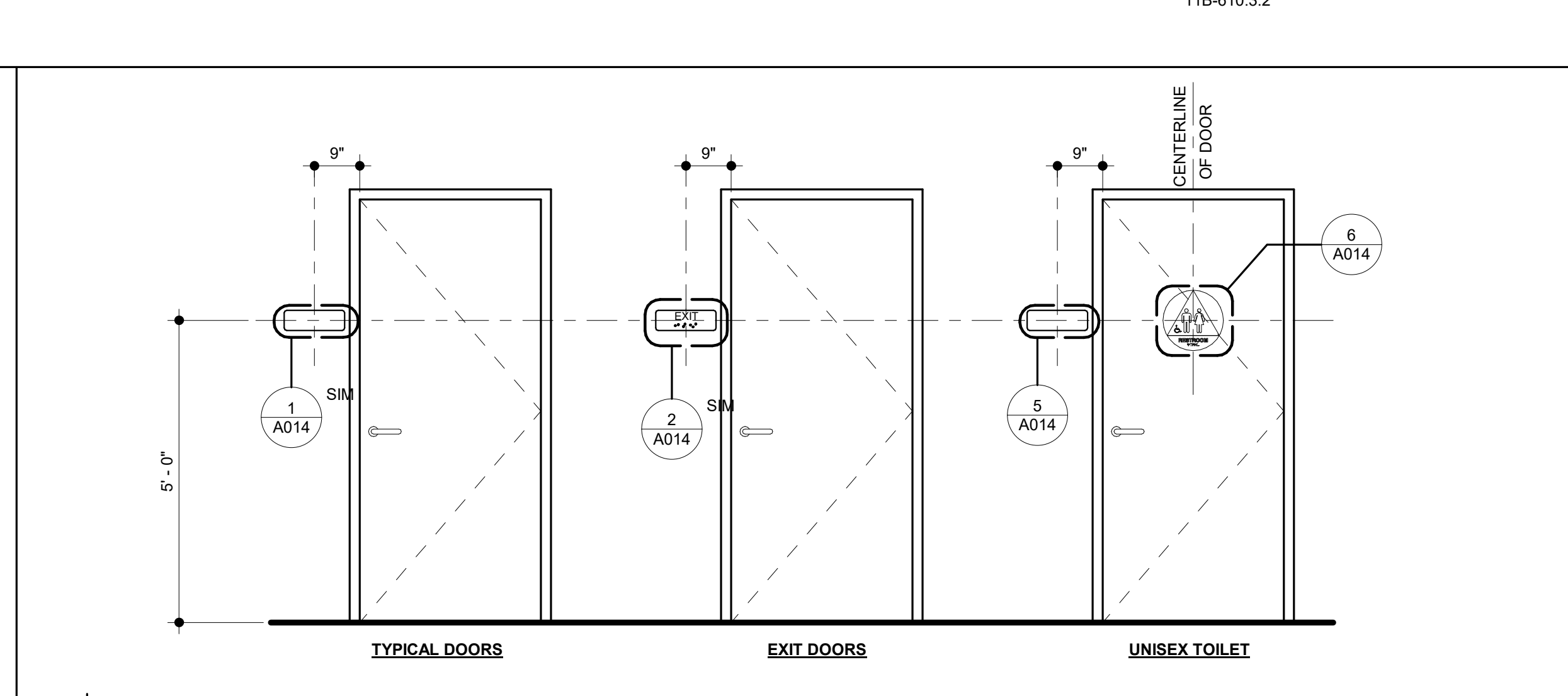
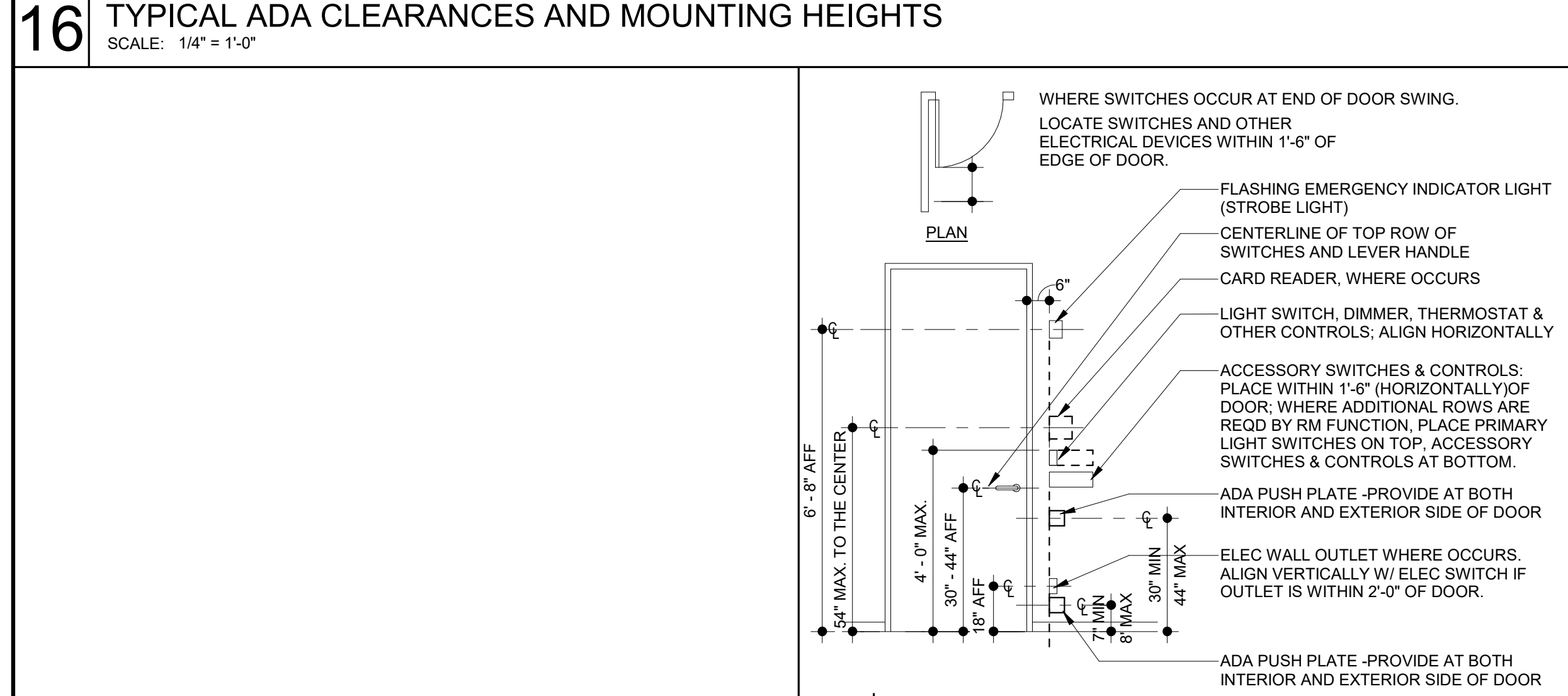
CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
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MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
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CONTACT: RON BLUE  
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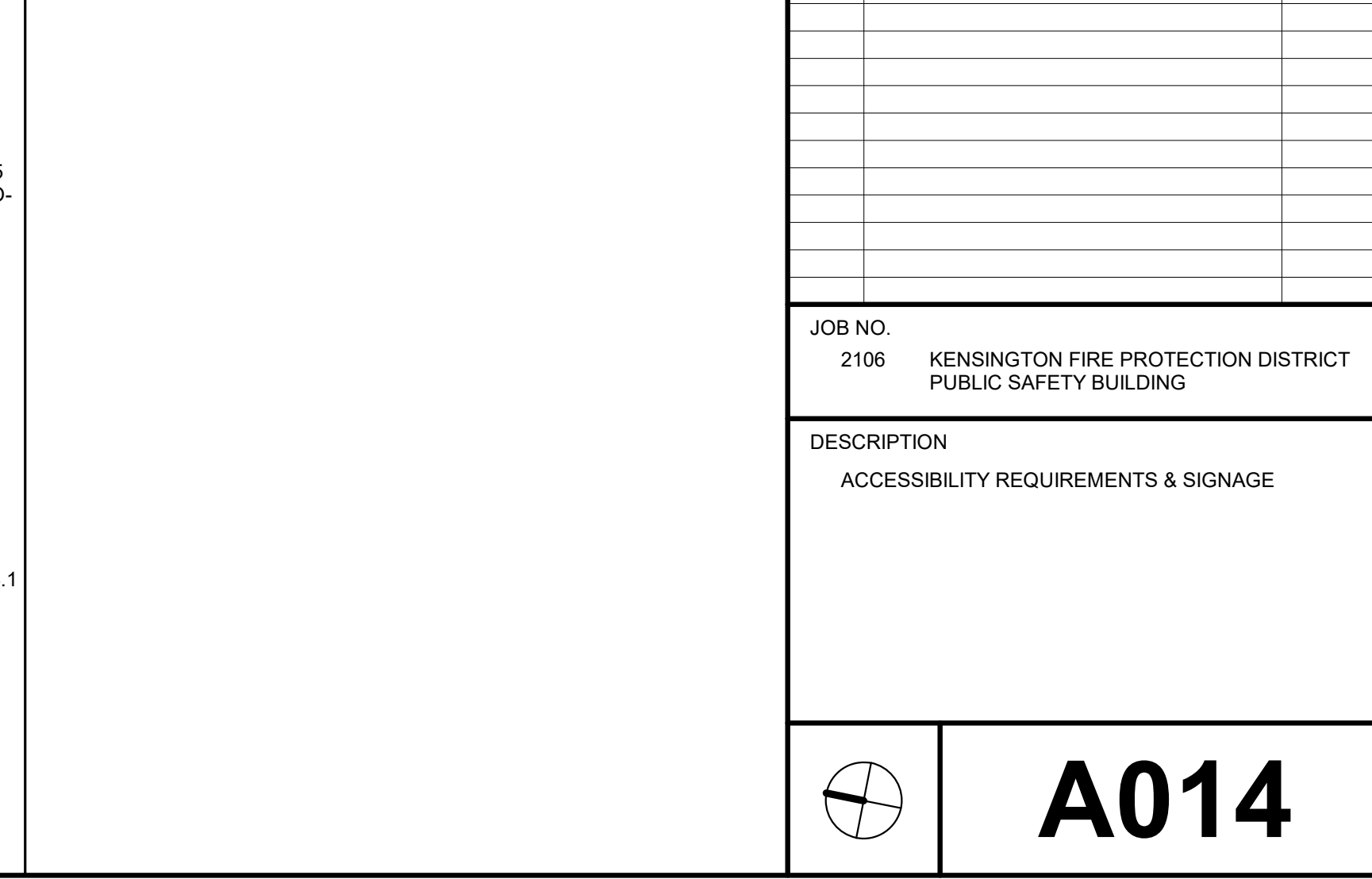
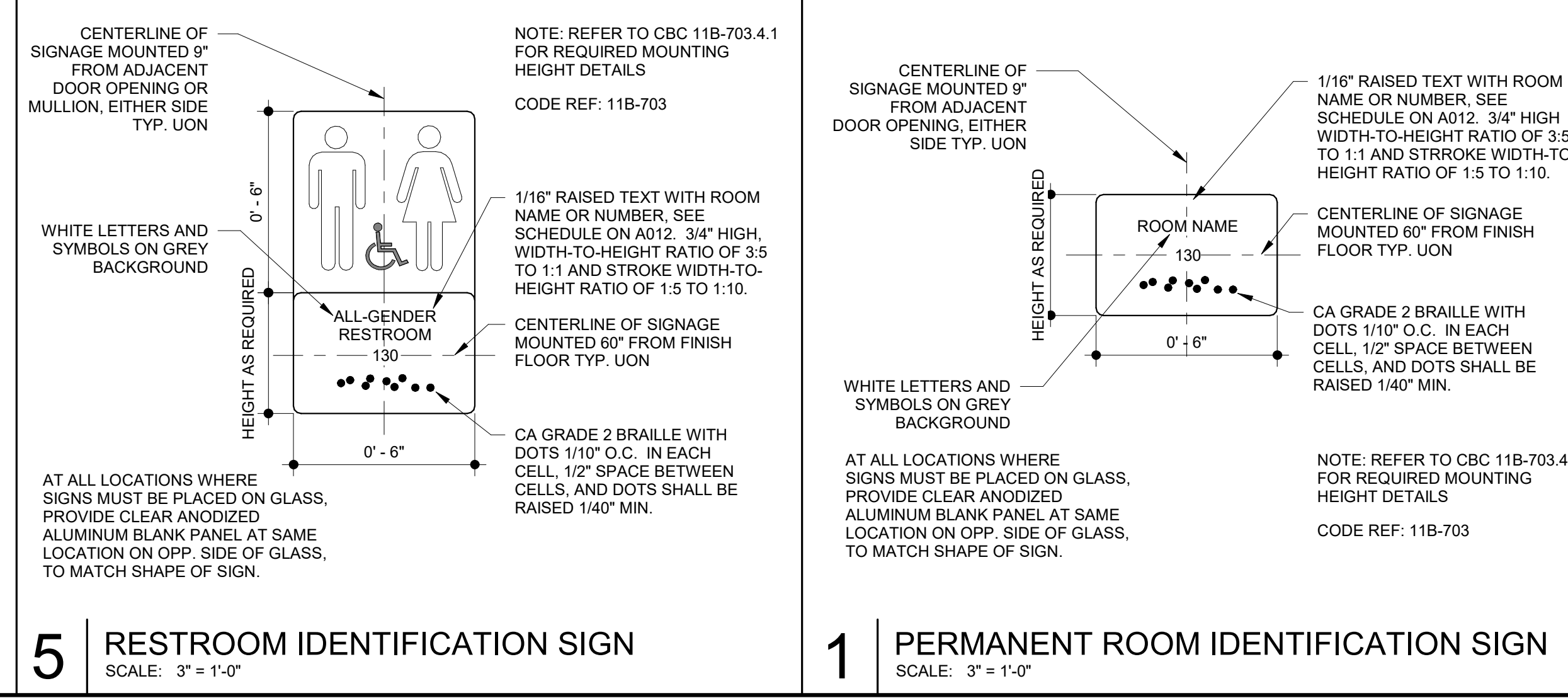
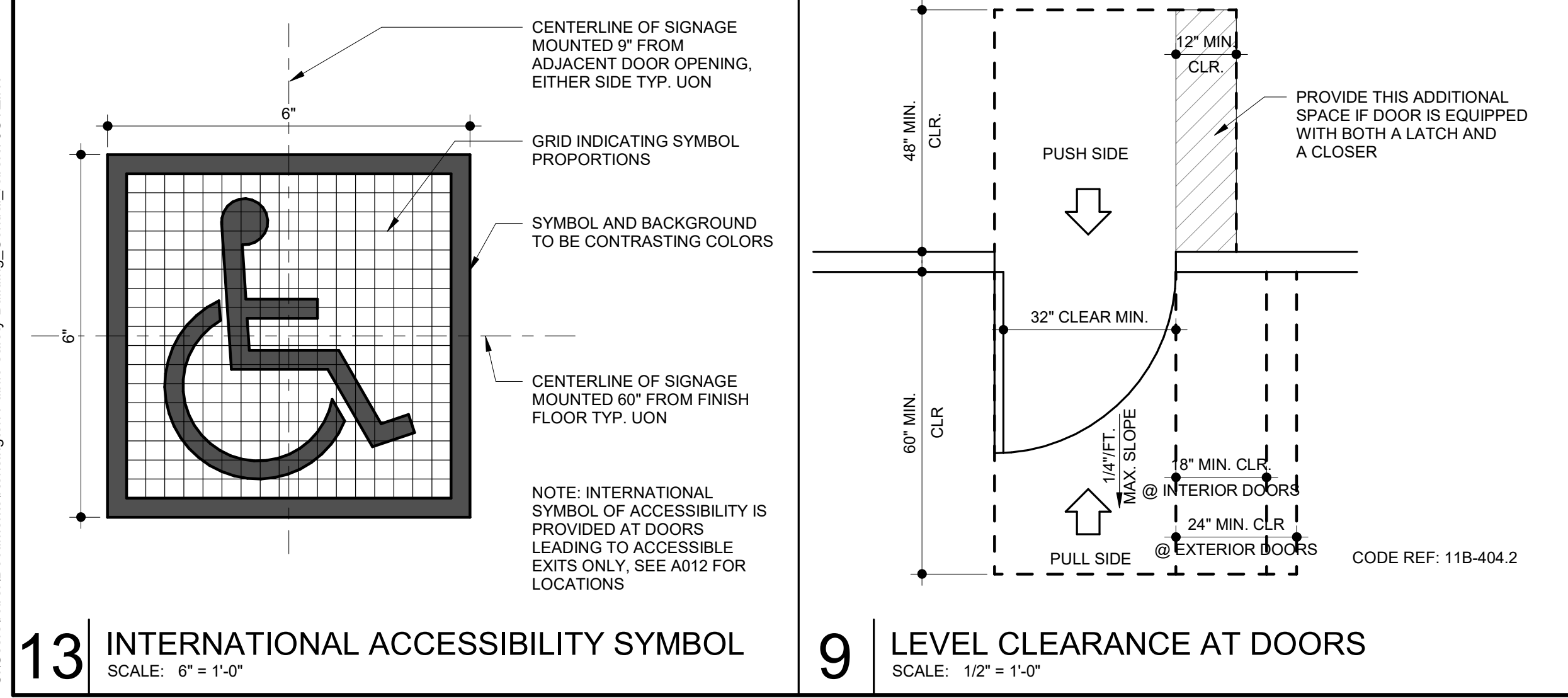
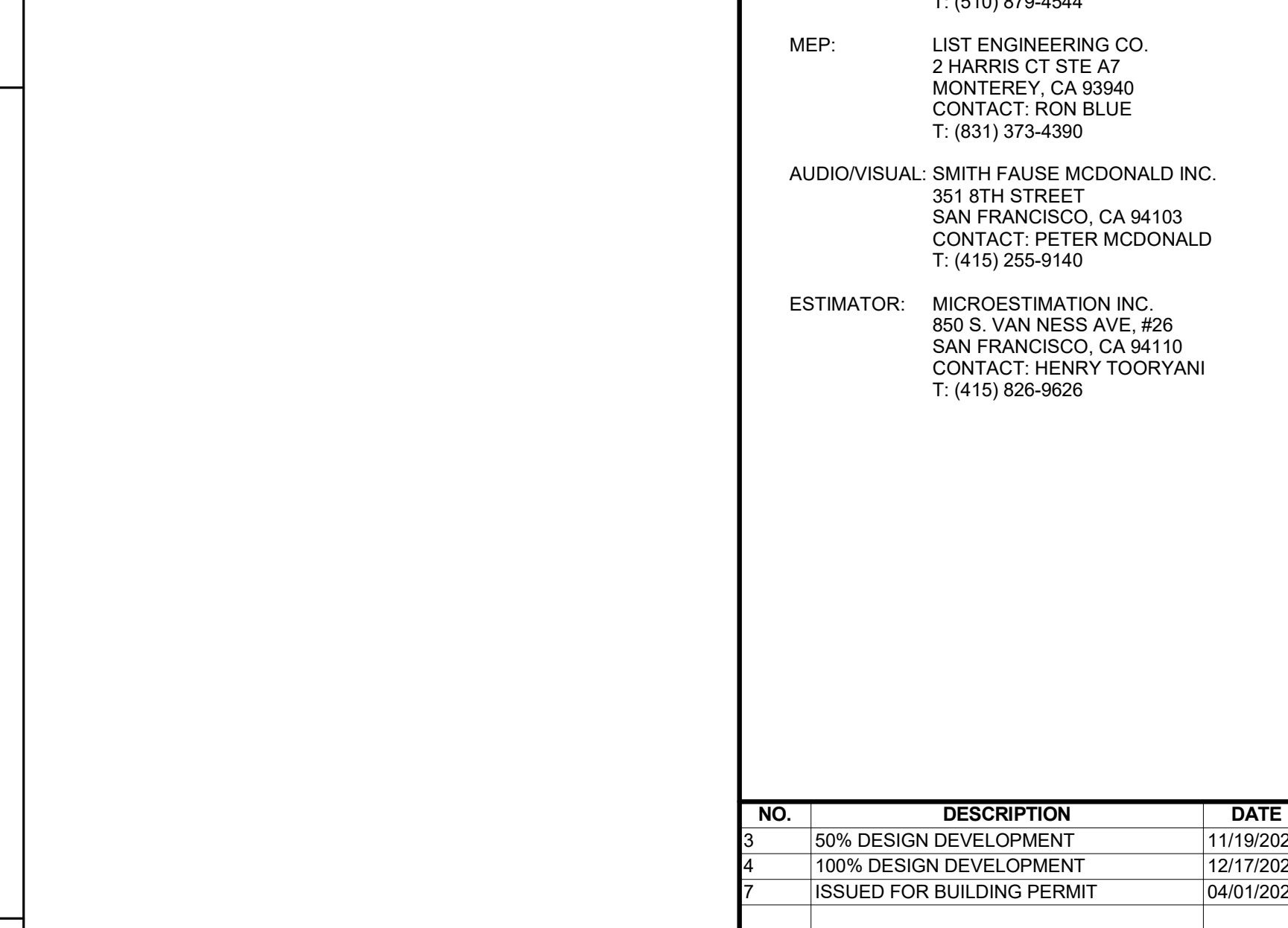
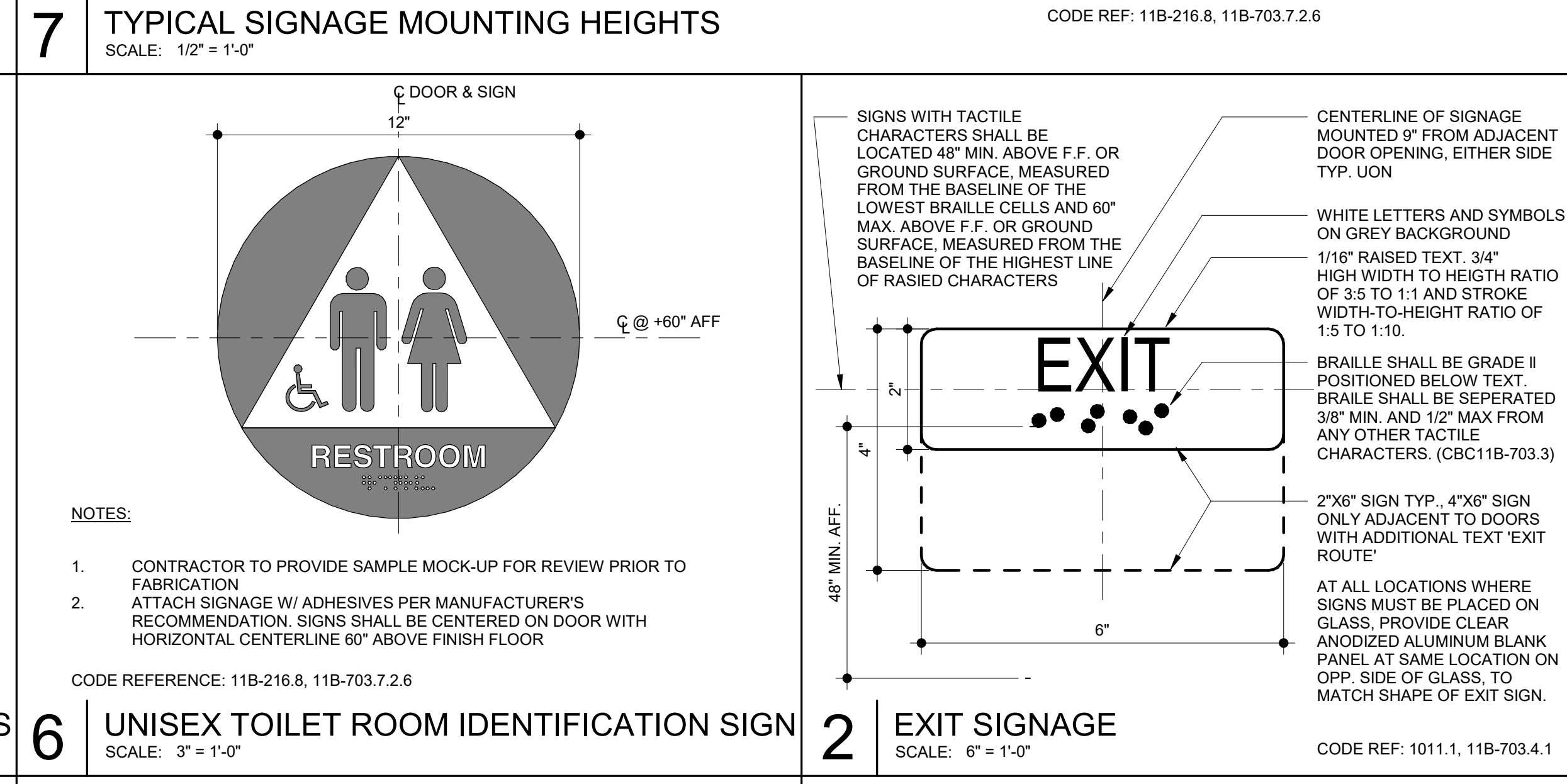
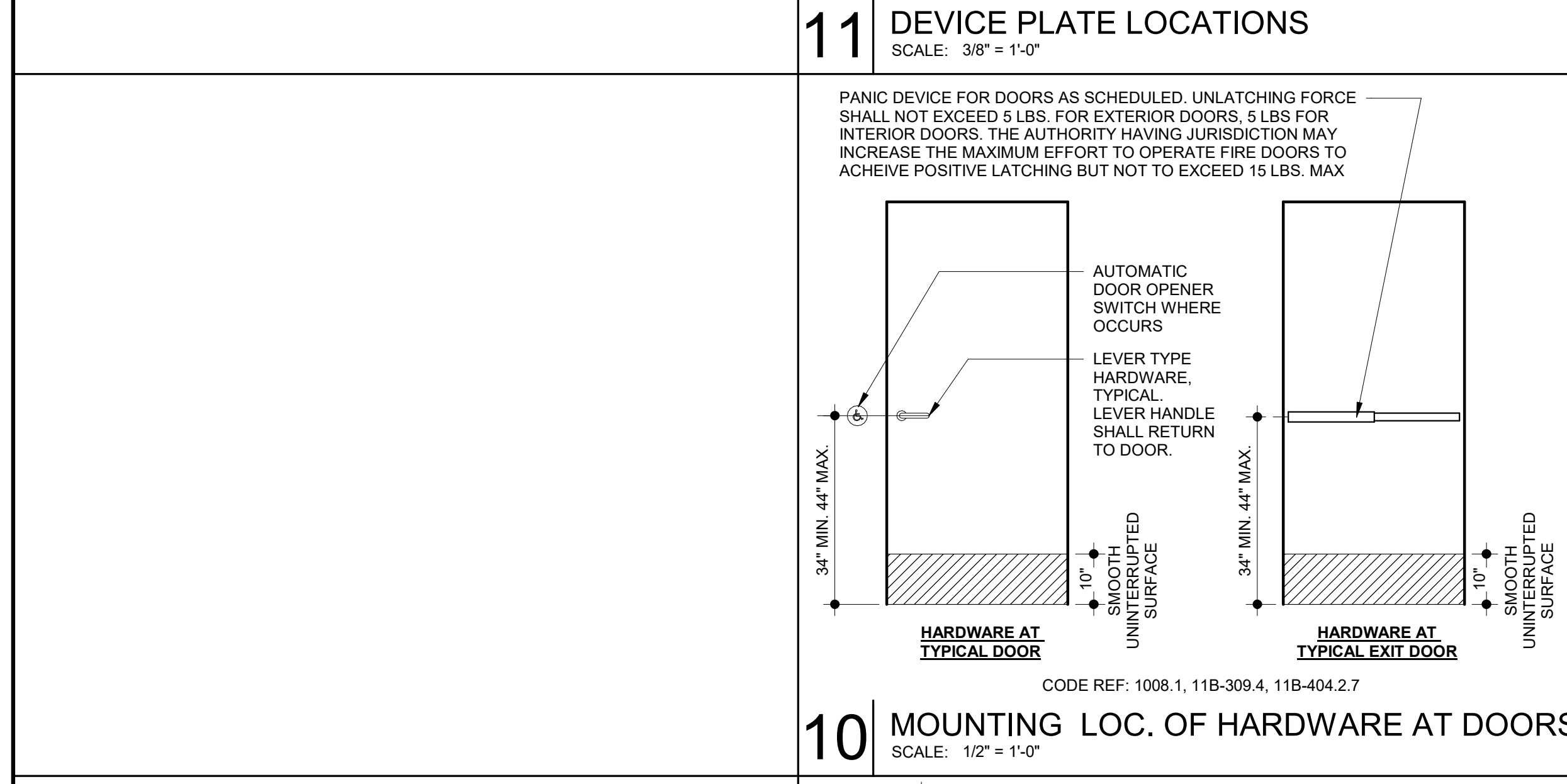
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626



| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 7   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

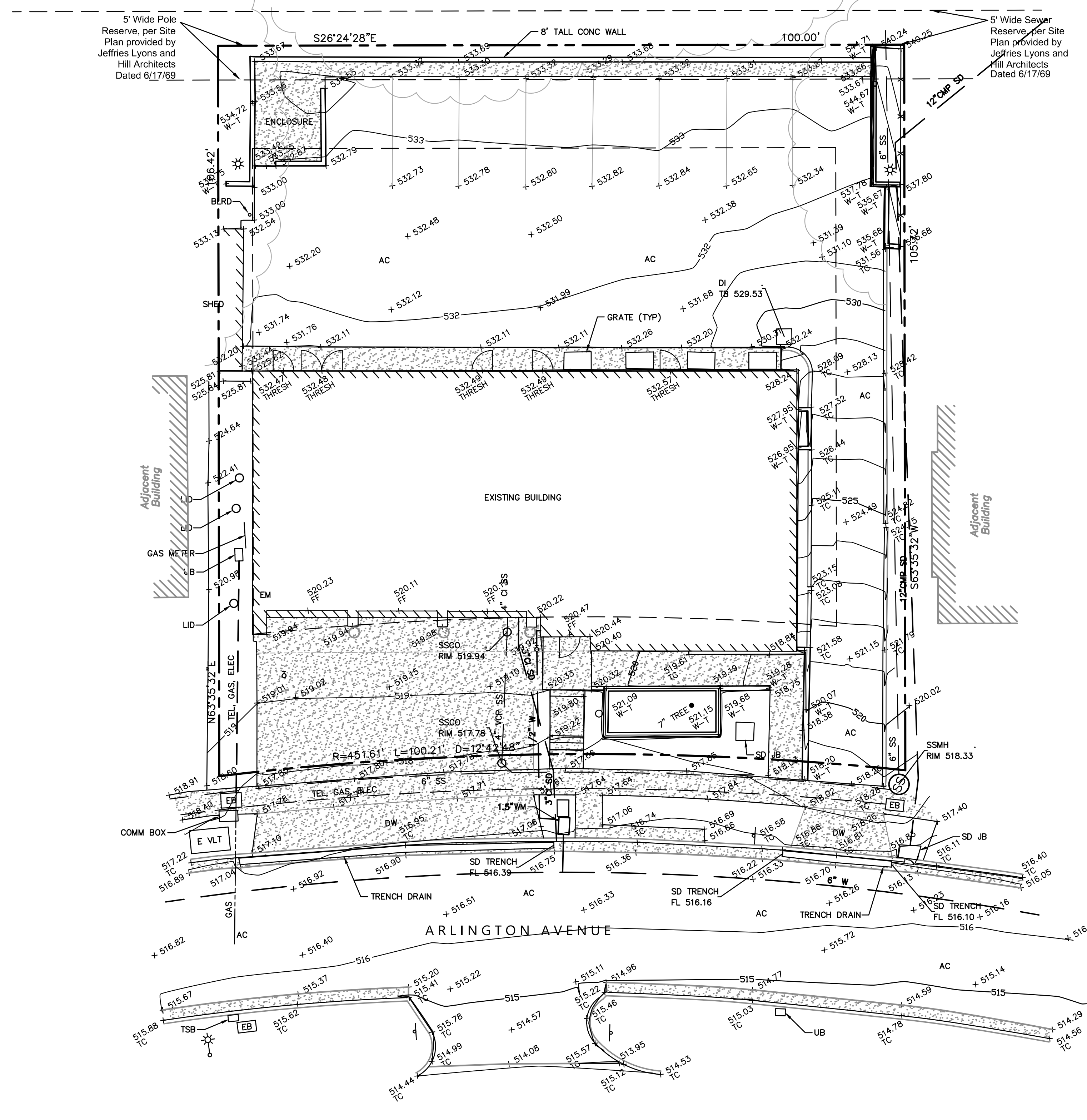
JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION ACCESSIBILITY REQUIREMENTS & SIGNAGE









**EXISTING ABBREVIATIONS**

|        |                          |
|--------|--------------------------|
| AC     | ASPHALT CONCRETE         |
| APN    | ASSESSOR'S PARCEL NUMBER |
| BLRD   | BOLLARD                  |
| BM     | BENCHMARK                |
| CONC   | CONCRETE                 |
| DI     | DROP INLET               |
| DIA    | DIAMETER                 |
| DW     | DRIVEWAY                 |
| E      | ELECTRIC                 |
| FF     | FINISHED FLOOR           |
| FL     | SURFACE FLOWLINE         |
| SD     | STORM DRAIN              |
| SS     | SANITARY SEWER           |
| SSCO   | SANITARY SEWER CLEAN OUT |
| SSMH   | SANITARY SEWER MANHOLE   |
| TB     | TOP OF BOX               |
| TC     | TOP FACE OF CURB         |
| THRESH | THRESHOLD                |
| TYP    | TYPICAL                  |
| UB     | UTILITY BOX              |
| VLT    | VAULT                    |
| WM     | WATER METER              |
| W-T    | TOP OF WALL              |

**LEGEND**

|           |              |
|-----------|--------------|
| ∅         | WATER VALVE  |
| ⊥         | SIGN         |
| ⊙         | STREET LIGHT |
| ⊛         | LIGHT POLE   |
| —x—x—     | FENCE        |
| [Pattern] | CONCRETE     |

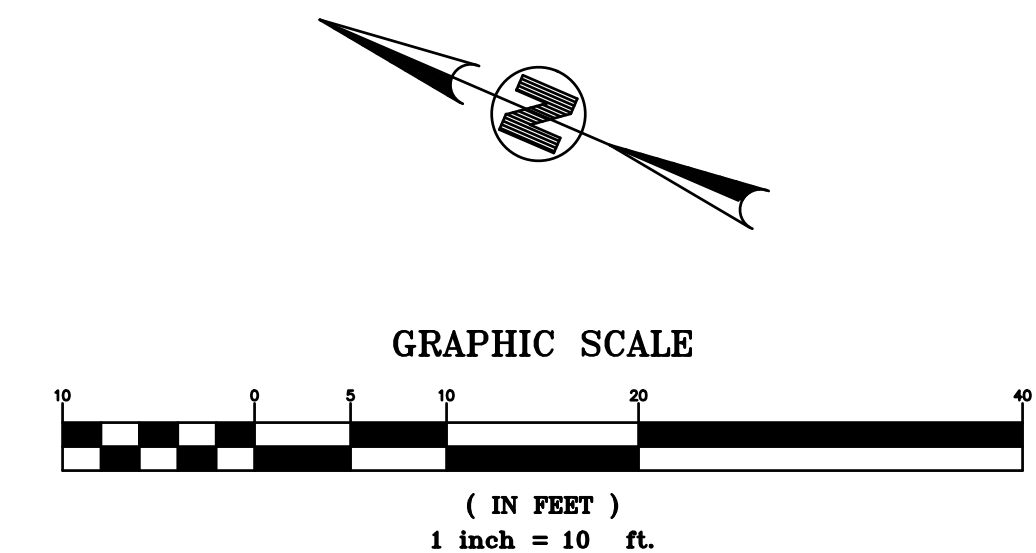
**BASIS OF BEARINGS**

THE BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 3, EPOCH 2017.50, IN ACCORDANCE WITH CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819. SAID COORDINATES ARE BASED LOCALLY UPON FIELD-OBSERVED TIES RELATIVE TO CALIFORNIA SPATIAL REFERENCE NETWORK STATION SRB1. DISTANCES ARE GRID BASED. DIVIDE BY A COMBINED SCALE FACTOR OF 0.99991317 TO OBTAIN GROUND DISTANCES. VALUES SHOWN BELOW IN THE TABLE ARE IN ITRF 2014.

| STATION    | LATITUDE         | LONGITUDE         | HEIGHT (m) |
|------------|------------------|-------------------|------------|
| SRB1       | 37°52'27.690029" | -122°16'1.075795" | 54.8535    |
| SIGMA (mm) | 2.07             | 2.00              | 6.03       |

**BENCHMARK**

ELEVATIONS ARE RELATIVE TO THE NORTH AMERICAN DATUM OF 1988, DERIVED FROM GPS OBSERVATION AND BASED ON NAD83(2011), EPOCH 2017.50, ELLIPSOID HEIGHTS AS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER AND THE NGS GEOID MODEL 18.



**BKF ENGINEERS**  
1646 N. CALIFORNIA BLVD.  
SUITE 400  
WALNUT CREEK, CA 94596  
(925) 940-2200  
www.bkf.com

STAMP

PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

- PROJECT TEAM
- CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064
  - ARCHITECT: MARJANG ARCHITECTURE  
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CONTACT: HENRY TOORYANI  
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| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 2   | PLANNING SUBMITTAL         | 11/01/2021 |
| 3   | PLANNING REVISION 2        | 02/04/2022 |
| 4   | PLANNING REVISION 3        | 03/11/2022 |
| 5   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
|     |                            |            |
|     |                            |            |
|     |                            |            |
|     |                            |            |
|     |                            |            |
|     |                            |            |
|     |                            |            |
|     |                            |            |
|     |                            |            |

JOB NO.  
211363 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

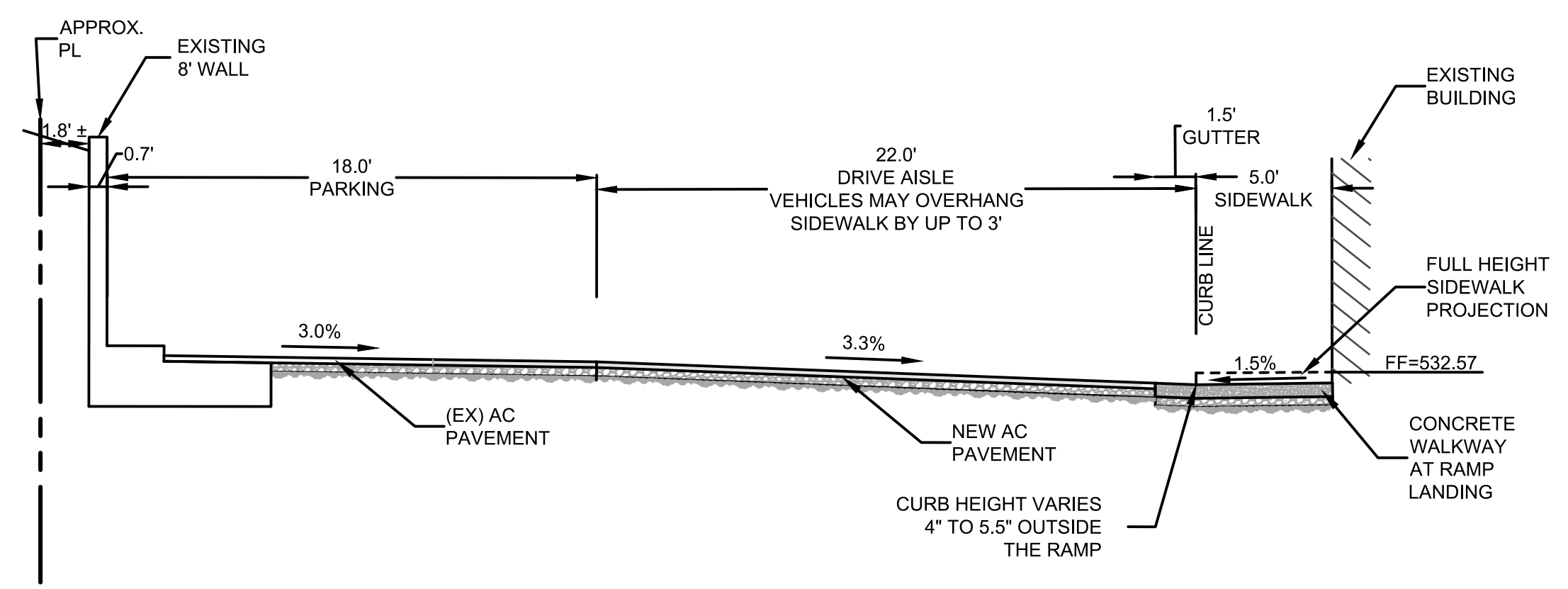
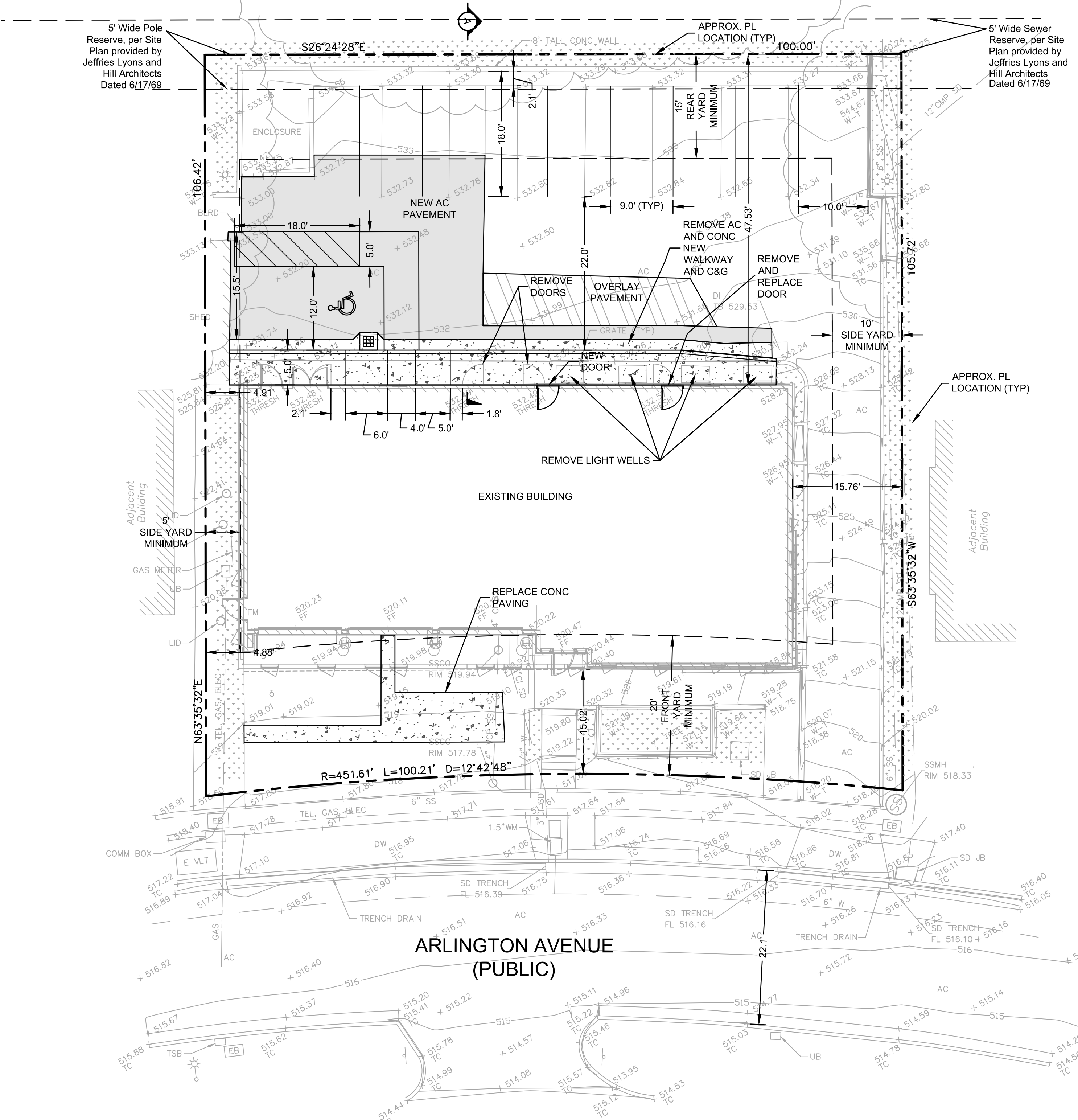
DESCRIPTION  
**EXISTING CONDITIONS**

**C1.0**



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM  
 CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
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**A CROSS SECTION**  
 NTS

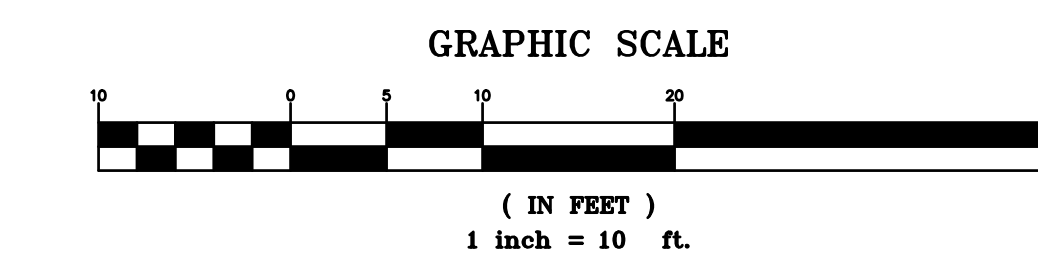
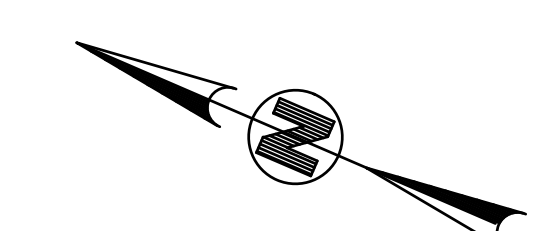
**LEGEND**

|  |  |
|--|--|
|  | PROPERTY LINE                          |
|  | MINIMUM SETBACK REQUIREMENTS           |
|  | R-6 SINGLE-FAMILY RESIDENTIAL DISTRICT |
|  | BUILDING OVERHANG                      |
|  | NEW CONCRETE PAVEMENT                  |
|  | NEW ASPHALT CONCRETE PAVEMENT          |
|  | NEW ASPHALT OVERLAY                    |
|  | EXISTING LANDSCAPE                     |

- NOTES**
- ALL DIMENSIONS ARE IN FEET AND DECIMALS, THEREFORE, CONTRACTOR TO NOTIFY THE CIVIL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES IN THE PROVIDED DIMENSIONS.
  - REFER TO ARCHITECTURAL PLANS FOR BUILDING DETAILS.
  - FOR WALKS AND IN ADA ACCESSIBLE AREAS, CROSS SLOPES SHOULD NOT EXCEED 2% IN GRADE.
  - PROJECT DOES NOT PROPOSE TO REMOVE ANY TREES.
  - EXISTING BOUNDARY INFORMATION IS FROM RECORD INFORMATION ONLY AND IS NOT TIED TO MONUMENTS.
  - THE GENERAL PLAN DESIGNATION IS PS (PUBLIC/SEMI-PUBLIC).
  - THE ZONING DESIGNATION IS R-6 SINGLE-FAMILY RESIDENTIAL DISTRICT.
  - R-6 REQUIRES "THERE SHALL BE AN AGGREGATE SIDE YARD WIDTH OF AT LEAST FIFTEEN FEET. NO SIDE YARD SHALL BE LESS THAN 5 FEET WIDE."
  - R-6 REQUIRES "THERE SHALL BE A SETBACK (FRONT YARD) OF AT LEAST TWENTY FEET FOR ANY STRUCTURE IN THE R-6 DISTRICT."
  - R-6 REQUIRES "THERE SHALL BE A REAR YARD FOR ANY PRINCIPAL STRUCTURE OF AT LEAST FIFTEEN FEET."
  - THE EXISTING BUILDING ENCLOSES IN SIDE AND FRONT MINIMUM SETBACKS.
  - THE PROJECT SITE IS IN A FEMA ZONE X - AREA OF MINIMAL FLOOD HAZARD.

**LAND USE TOTALS**

|                                |               |
|--------------------------------|---------------|
| TOTAL SITE AREA                | =10,427 SQ FT |
| TOTAL (EX) IMPERVIOUS AREA     | =9,094 SQ FT  |
| TOTAL (EX) LANDSCAPED AREA     | =1,333 SQ FT  |
| TOTAL NEW IMPERVIOUS AREA      | =0 SQ FT      |
| TOTAL REPLACED IMPERVIOUS AREA | =1,696 SQ FT  |
| PROPOSED FINAL IMPERVIOUS AREA | =9,094 SQ FT  |
| PROPOSED FINAL LANDSCAPED AREA | =1,333 SQ FT  |

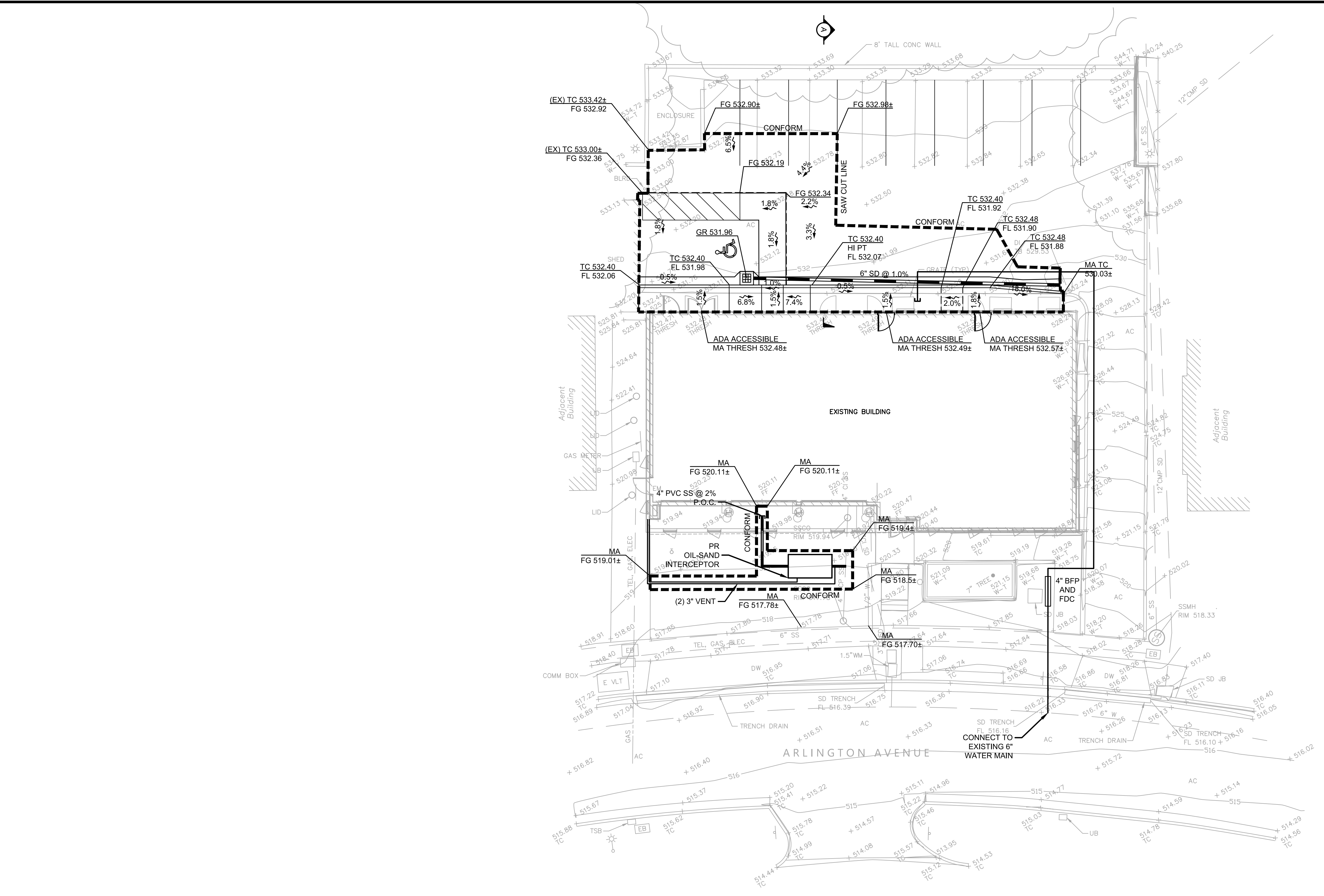


| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 2   | PLANNING SUBMITTAL         | 11/01/2021 |
| 3   | PLANNING REVISION 2        | 02/04/2022 |
| 4   | PLANNING REVISION 3        | 03/11/2022 |
| 5   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
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JOB NO.  
 211363 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
**HORIZONTAL CONTROL  
 AND PARKING STRIPING  
 PLAN**

**C2.0**

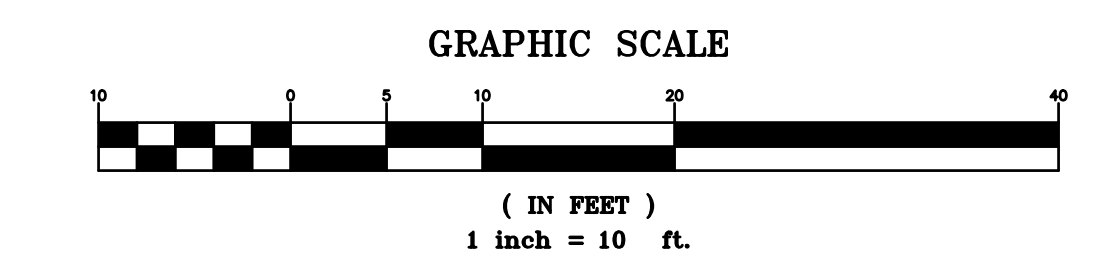
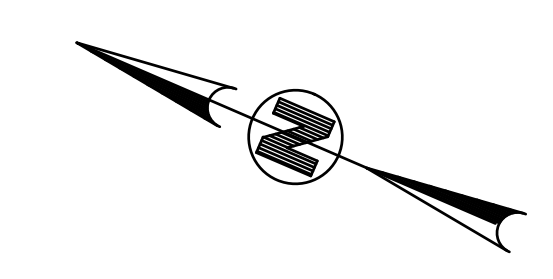


**LEGEND**

- SAW CUT LINE
- - - GRADE BREAK LINE
- FLOW LINE
- X.XX% SURFACE SLOPE
- xx.xx x SPOT ELEVATION
- STORM DRAIN LINE
- SANITARY SEWER LINE
- FIRE WATER LINE

**ABBREVIATIONS**

- AC ASPHALT CONCRETE
- BW BACK OF WALK
- (EX) EXISTING
- FF FINISH FLOOR
- FG FINISH GRADE
- FL FLOWLINE
- HP HIGH POINT
- LP LOW POINT
- MA MATCH
- TC TOP OF CURB
- TTS TOP OF TREATMENT SURFACE



**BKF ENGINEERS**  
 1646 N. CALIFORNIA BLVD.  
 SUITE 400  
 WALNUT CREEK, CA 94596  
 (925) 940-2200  
 www.bkf.com

STAMP

PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

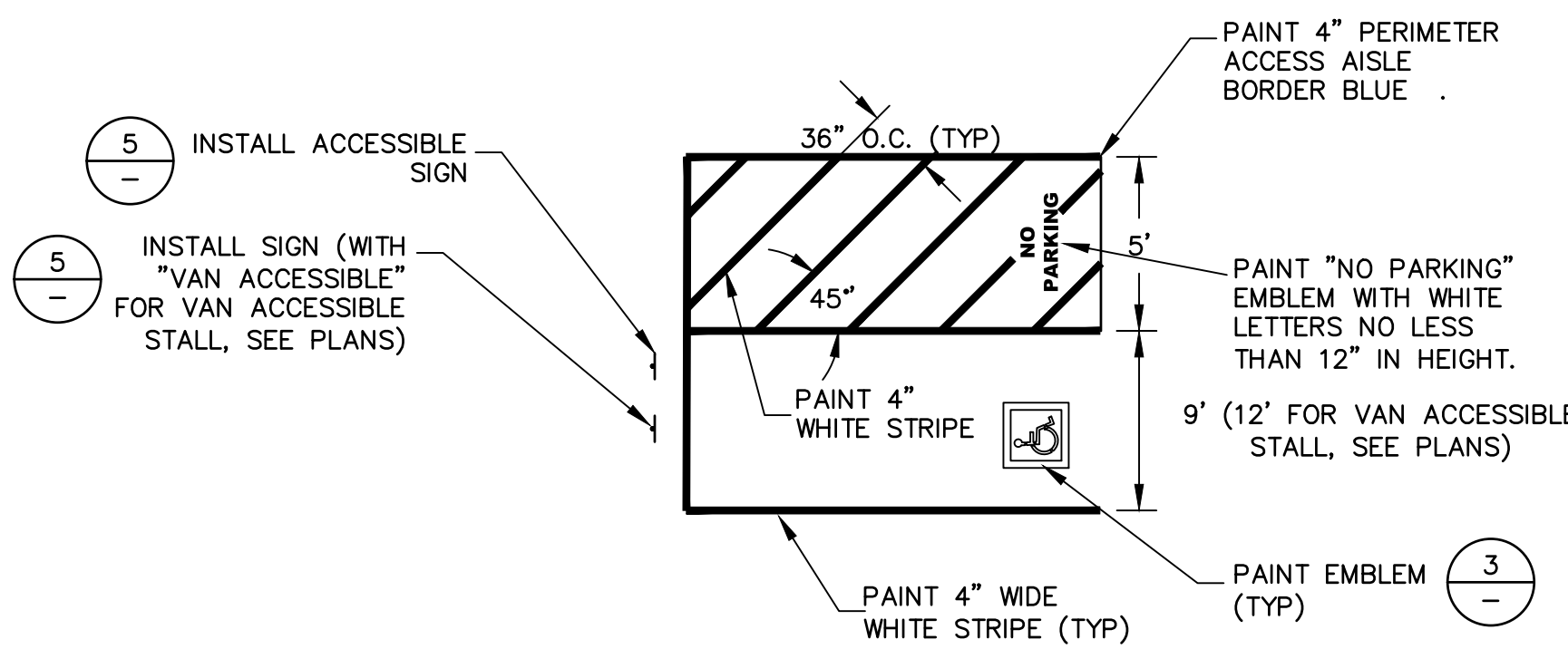
- PROJECT TEAM
- CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064
  - ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA. 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600
  - STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANZ  
 T: (650) 384-8869
  - CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200
  - GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544
  - MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390
  - AUDIOVISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140
  - ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 626-9626

| NO. | DESCRIPTION                | DATE       |
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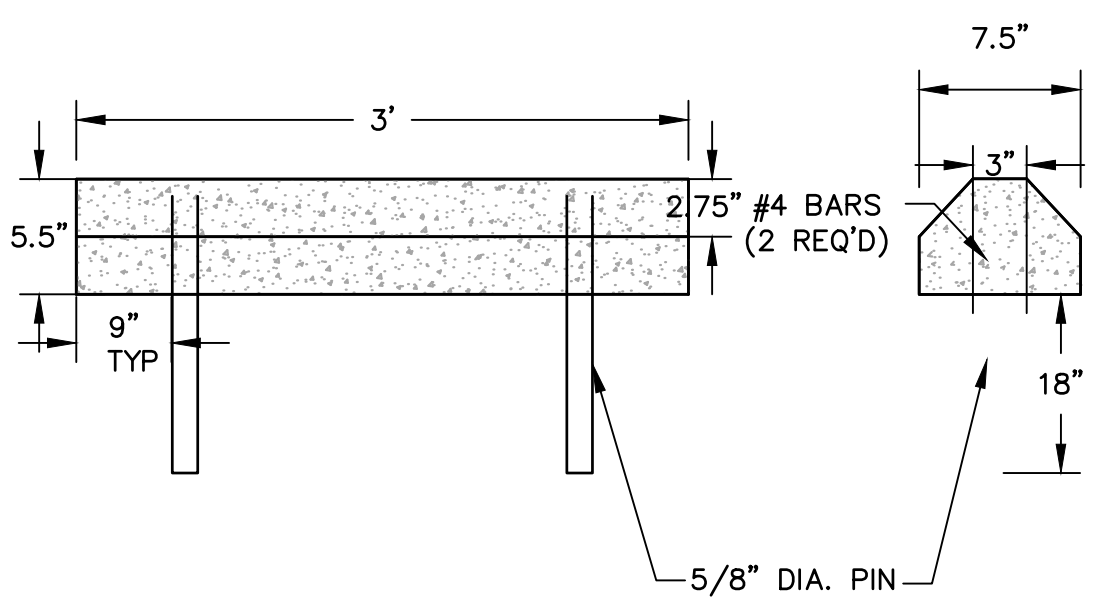
JOB NO.  
 211363 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
**GRADING AND UTILITY  
 PLAN**

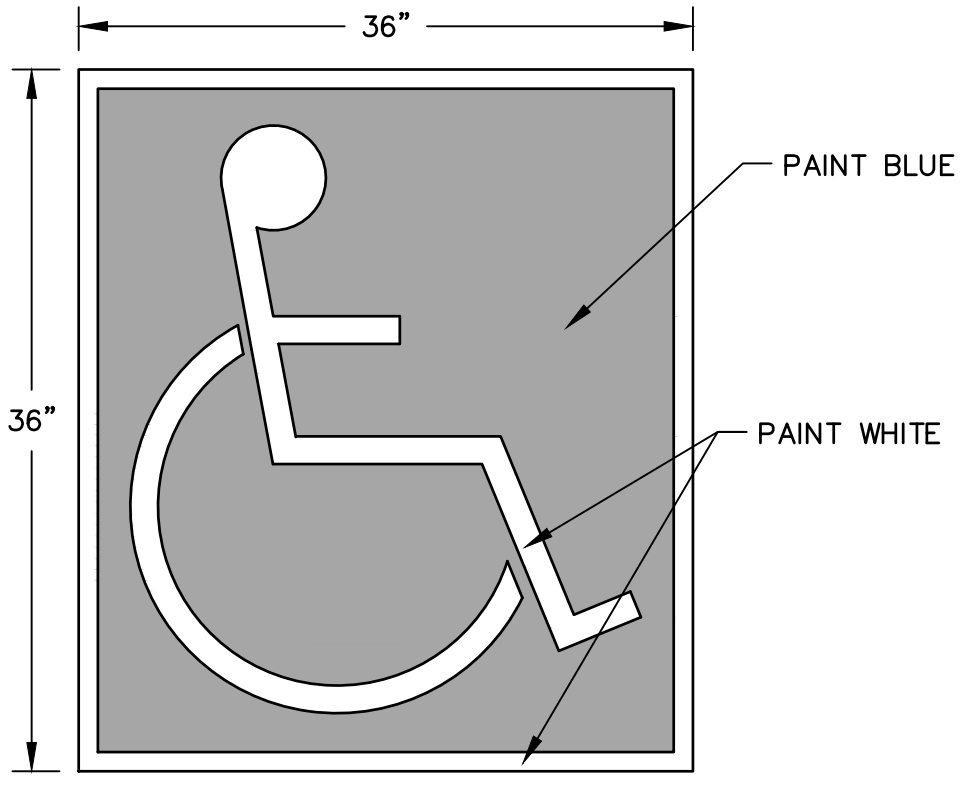
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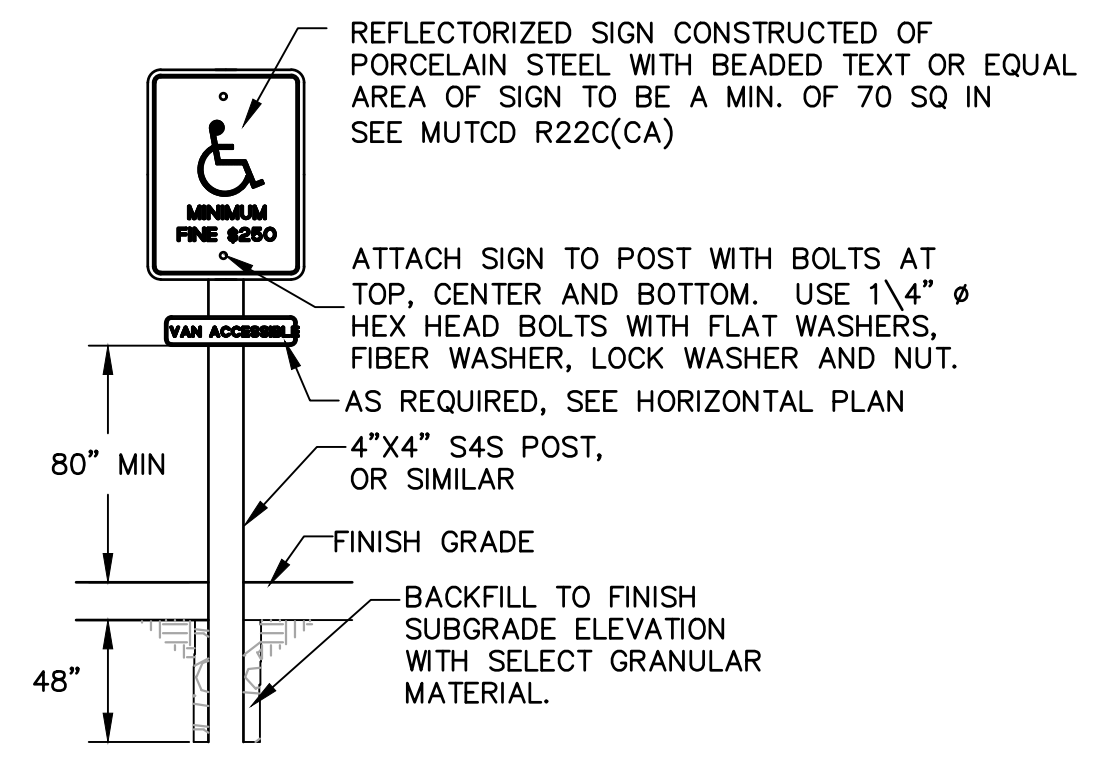
1 ACCESSIBLE PARKING STALL  
NTS



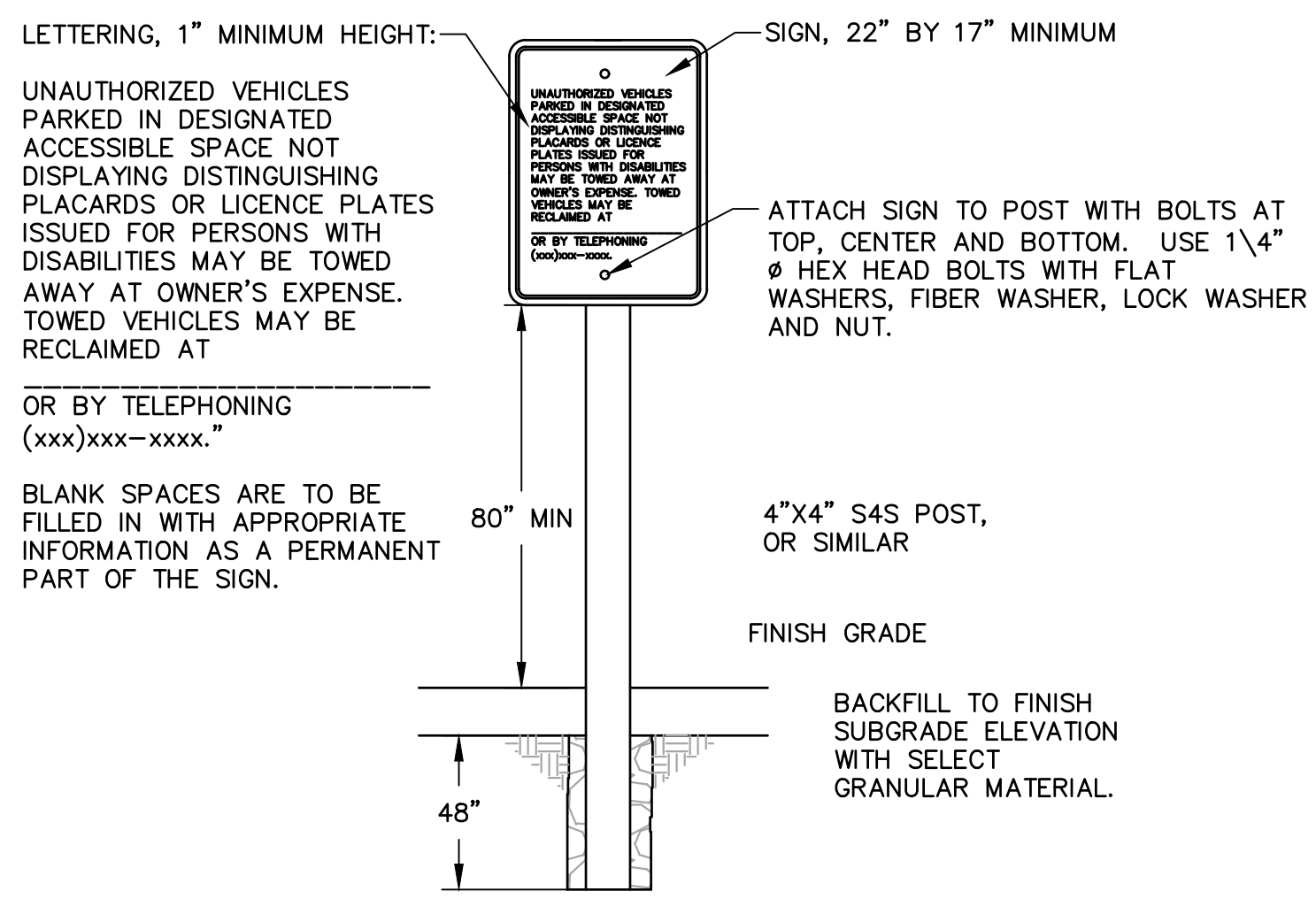
2 WHEEL STOP  
NTS



3 ADA EMBLEM  
NTS



4 ACCESSIBLE SIGNAGE DETAIL  
NTS



5 ACCESSIBLE PARKING ENTRANCE SIGN  
NTS

**BKF ENGINEERS**  
1646 N. CALIFORNIA BLVD.  
SUITE 400  
WALNUT CREEK, CA 94596  
(925) 940-2200  
www.bkf.com

STAMP

PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

- PROJECT TEAM
- CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064
  - ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA. 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600
  - STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANZ  
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  - CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200
  - GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
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  - MEP: LIST ENGINEERING CO.  
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CONTACT: RON BLUE  
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351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140
  - ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

| NO. | DESCRIPTION                | DATE       |
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| 2   | PLANNING SUBMITTAL         | 11/01/2021 |
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| 5   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
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|     |                            |            |
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JOB NO.  
211363 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
**DETAILS**

**C4.0**

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.**  
**KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
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 SAN FRANCISCO, CA 94117  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
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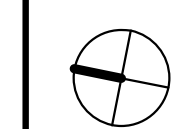
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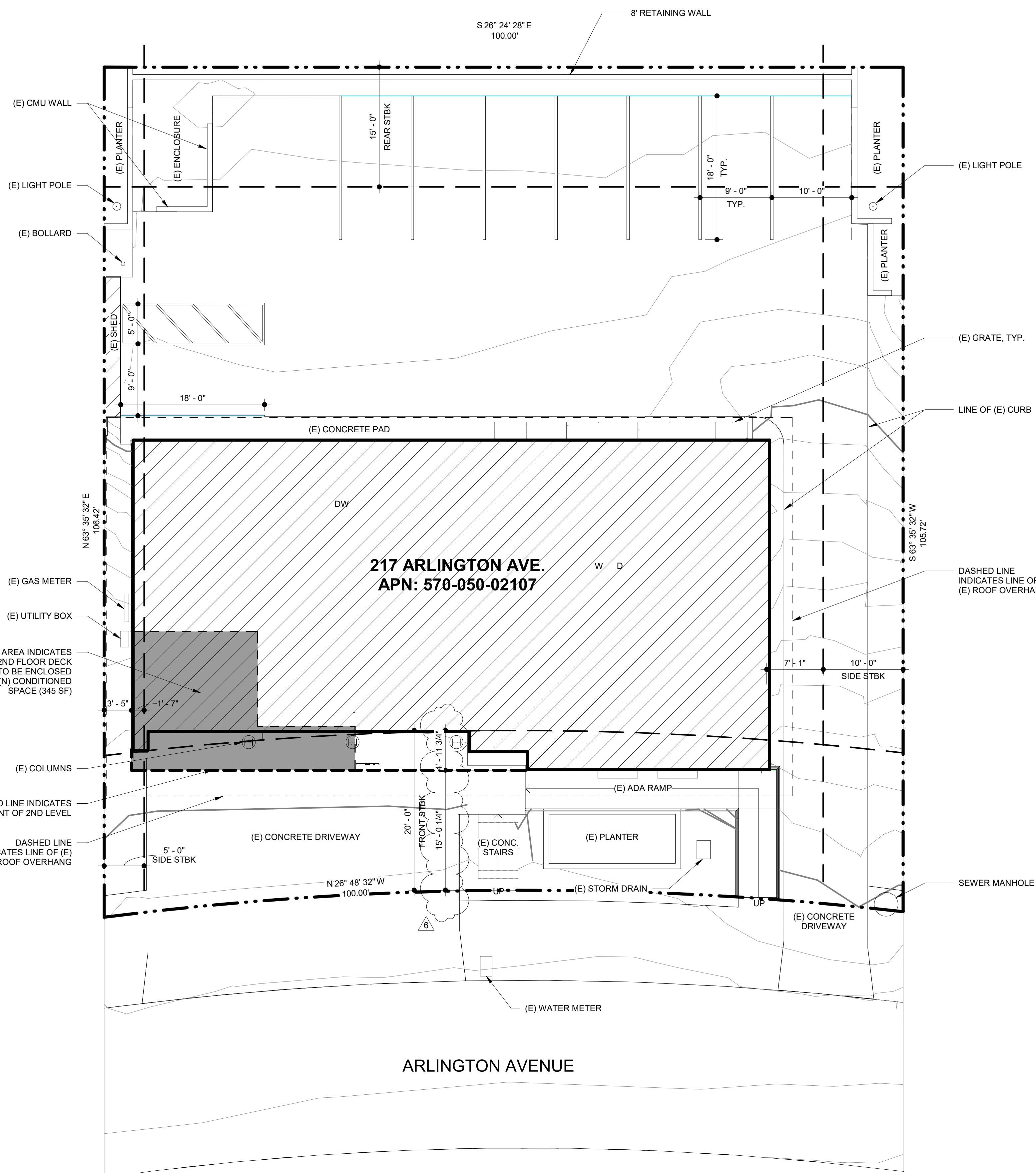
| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 2   | PLANNING SUBMITTAL         | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 5   | PLANNING SUBMITTAL R1      | 01/06/2022 |
| 6   | PLANNING REVISION 2        | 02/04/2022 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
 SITE PLAN



## A101



### 1 PROPOSED SITE PLAN

SCALE: 1/8" = 1'-0"

STAMP



PROJECT ADDRESS  
217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM  
CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064  
ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600  
STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869  
CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200  
GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
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SAN FRANCISCO, CA 94103  
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850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

SHEET NOTES

- SEE STRUCTURAL DRAWINGS FOR EXTENT OF SLAB ON GRADE TO BE REMOVED

KEYNOTES

- 02 41 00.C14 (E) CASEWORK TO BE REMOVED
- 02 41 00.C17 (E) DOOR AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
- 02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
- 02 41 00.C22 (E) WALLS TO BE REMOVED
- 02 41 00.C35 (E) FIXTURES TO BE REMOVED
- 02 41 00.C57 (E) OVERHEAD SECTION DOORS TO BE REMOVED
- 02 41 00.C59 (E) WINDOWS AT LIGHT WELL TO BE REMOVED
- 02 41 00.C60 (E) CONCRETE CURB TO BE REMOVED AT THIS LOCATION ONLY
- 02 41 00.E1 (E) WALL FINISH TO BE REMOVED, REMOVE (E) FRP PANELS AT GARAGE, (E) FRAMING TO REMAIN
- 02 41 00.E2 (E) MOMENT FRAME AND CONCRETE PIERS TO REMAIN
- 02 41 00.E5 SELECTIVE AREA OF (E) SLAB ON GRADE TO BE REMOVED, SSD
- 02 41 00.E6 SELECTIVE AREA OF (E) SLAB TO BE REMOVED FOR ELEVATOR PIT
- 02 41 00.E7 (E) BEARING WALL TO REMAIN, SSD.
- 02 41 00.E16 (E) COMPRESSOR TO BE SALVAGED AND RELOCATED

WALL LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- PROPOSED WALL
- 1-HR RATED WALL
- 1/2-HR RATED WALL
- FLOOR AREA TO BE REMOVED

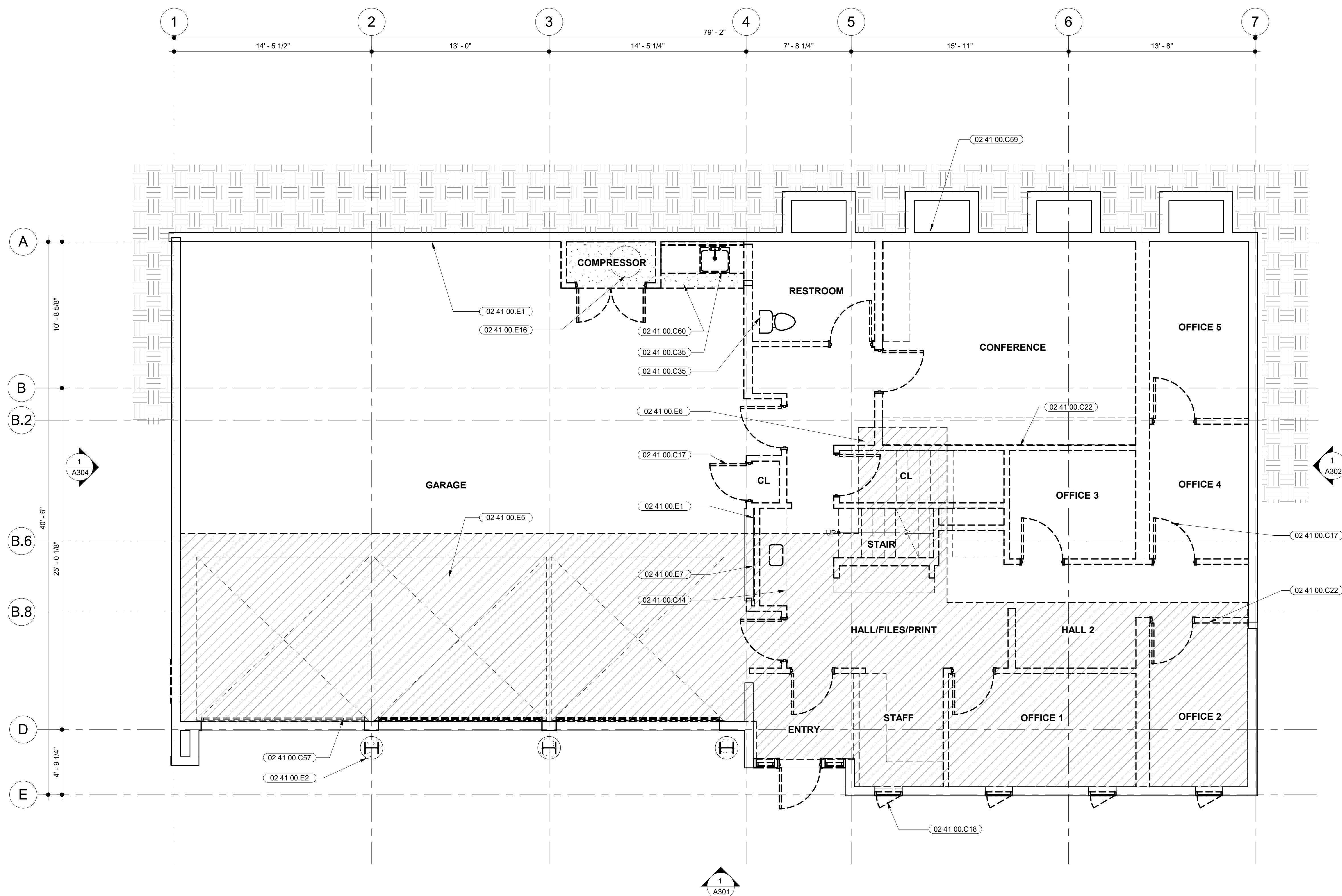
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
EXISTING AND DEMOLITION 1ST LEVEL FLOOR  
PLAN



A201



1 EXISTING (DEMOLITION) 1ST LEVEL PLAN  
SCALE: 1/4" = 1'-0"

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

**SHEET NOTES**

- DIMENSIONS ARE TAKEN FROM GRIDLINE TO FACE OF STUD. DIMENSIONS NOTED WITH CLR. ARE FROM FACE OF FINISH TO FACE OF FINISH.
- FURNITURE, FIXTURES, AND EQUIPMENT SHOWN FOR REFERENCE. SEE FRISE PLAN AND SPECIFICATIONS
- SEE RCP ON SHEET A205 AND A206
- SEE ROOF PLAN ON SHEET A208
- SEE WALL TYPES ON SHEET A901
- FOR EXTERIOR WALL ASSEMBLIES/TYPES, SEE DETAIL CALLOUTS ON EXTERIOR ELEVATIONS
- PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND WALL MOUNTED ACCESSORIES INCLUDING BATHROOM FIXTURES. SEE DETAIL 3/A902
- PROVIDE FIRE BLOCKING FOR WALL CAVITIES THAT EXCEED CBC HEIGHT LIMITATIONS.
- ALL WALL FRAMING TO EXTEND TO BOTTOM OF FLOOR FRAMING OR ROOF FRAMING, U.O.N.

**KEYNOTES**

- 03 30 00.A CONCRETE APP BAY FLOOR, SLOPE TO DRAINS. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION
- 06 11 00.A INFILL (E) WINDOW OPENING AT INDICATED LIGHT WELL
- 06 41 00.A BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES
- 06 41 00.B UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES
- 06 43 00.A (N) WOOD FRAMED STAIR
- 08 33 00.A (N) OVERHEAD COILING DOOR WITH MOTOR AND CONTROLLER
- 10 44 00.A FIRE EXTINGUISHER CABINET
- 10 50 80.A TURNOUT GEAR LOCKERS
- 11 23 00.A COMMERCIAL EXTRACTOR
- 12 36 19.A BUTCHER BLOCK COUNTERTOPS
- 12 36 23.A PLASTIC LAMINATE COUNTERTOPS
- 14 24 00.A1 HYDRAULIC ELEVATOR
- 22 11 12.B TRENCH DRAIN, SEE PLUMBING DRAWINGS
- 22 14 16.D (N) RAINWATER LEADER AT EXTERIOR, SEE PLUMBING DRAWINGS
- 22 42 16.C DECON SERVICE SINK WITH INTERGRAL WORKTABLE. SEE PLUMBING DRAWINGS
- 22 47 13.A HI-LO DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS

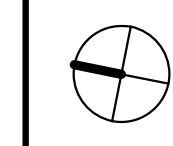
**WALL LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- PROPOSED WALL
- 1-HR RATED WALL
- 1/2-HR RATED WALL
- FLOOR AREA TO BE REMOVED

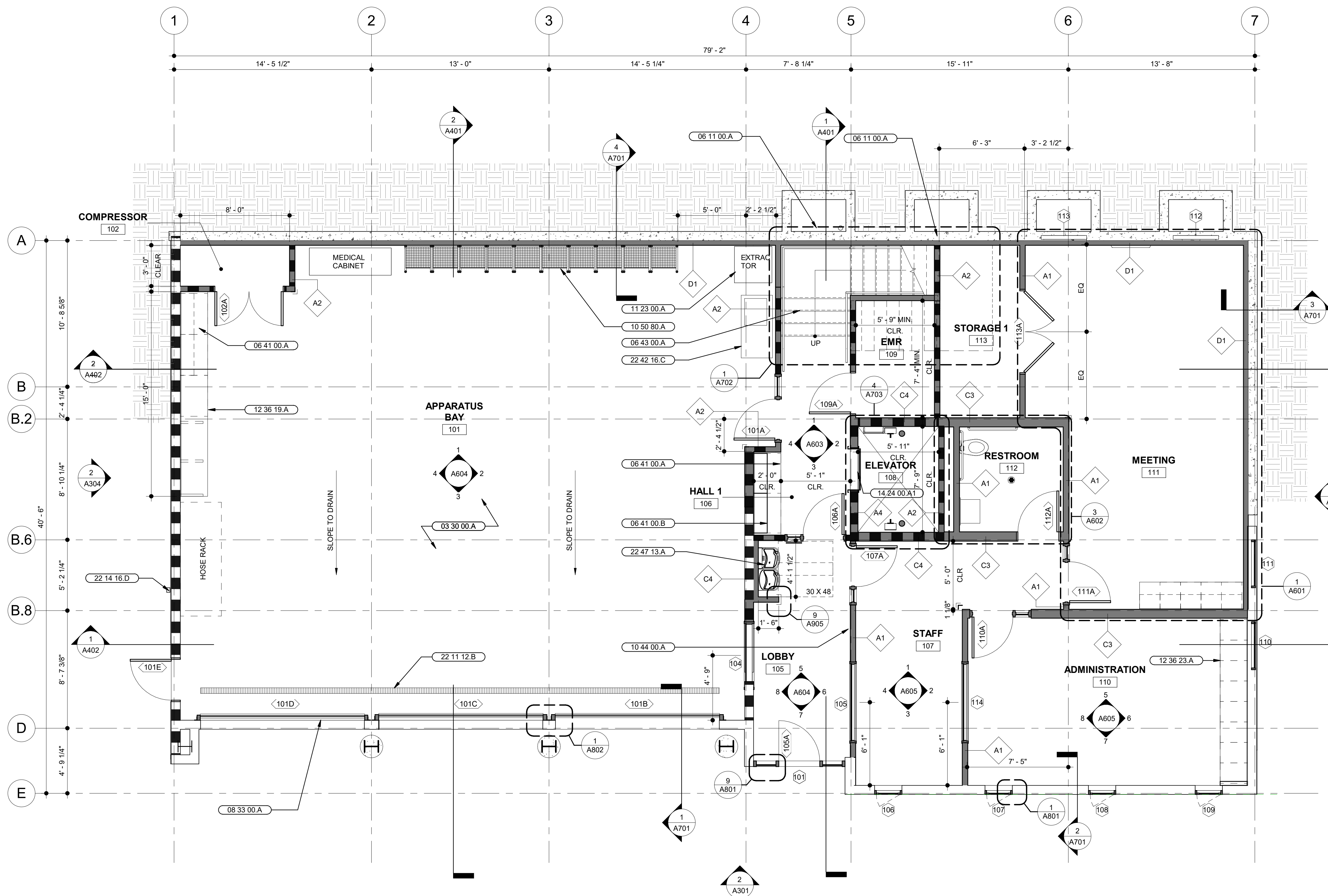
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| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PLANNING SUBMITTAL R1             | 01/06/2022 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 PROPOSED 1ST LEVEL FLOOR PLAN



## A202



**1 PROPOSED 1ST LEVEL PLAN**  
 SCALE: 1/4" = 1'-0"



STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
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ARCHITECT: MARJANG ARCHITECTURE  
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 CONTACT: MATT FRANTZ  
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GEOTECH: HALEY ALDRICH  
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MEP: LIST ENGINEERING CO.  
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 CONTACT: RON BLUE  
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 351 8TH STREET  
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 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

**SHEET NOTES**

- SEE STRUCTURAL DRAWINGS FOR EXTENT OF SLAB ON GRADE TO BE REMOVED

**KEYNOTES**

- 02 41 00.C14 (E) CASEWORK TO BE REMOVED
- 02 41 00.C17 (E) DOOR AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
- 02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
- 02 41 00.C22 (E) WALLS TO BE REMOVED
- 02 41 00.C32 (E) EQUIPMENT TO BE REMOVED
- 02 41 00.C35 (E) FIXTURES TO BE REMOVED
- 02 41 00.C44 (E) FLOOR AREA TO BE REMOVED FOR (N) ELEVATOR SHAFT
- 02 41 00.C45 (E) FLOOR AREA TO BE REMOVED FOR (N) STAIRWELL
- 02 41 00.C46 (E) FLOOR AREA TO BE REMOVED FOR (N) MECHANICAL SHAFT
- 02 41 00.C47 (E) FLOOR AREA TO BE REMOVED FOR (N) RAISED FLOOR AREA, SSD.
- 02 41 00.C48 (E) RAISED FLOOR AREA TO BE REMOVED
- 02 41 00.C49 (E) EXTERIOR SIDING TO BE REMOVED, (E) FRAMING TO REMAIN
- 02 41 00.C56 (E) WOOD FRAMED STAIR TO BE REMOVED

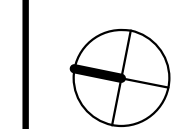
**WALL LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- PROPOSED WALL
- 1-HR RATED WALL
- 1/2-HR RATED WALL
- FLOOR AREA TO BE REMOVED

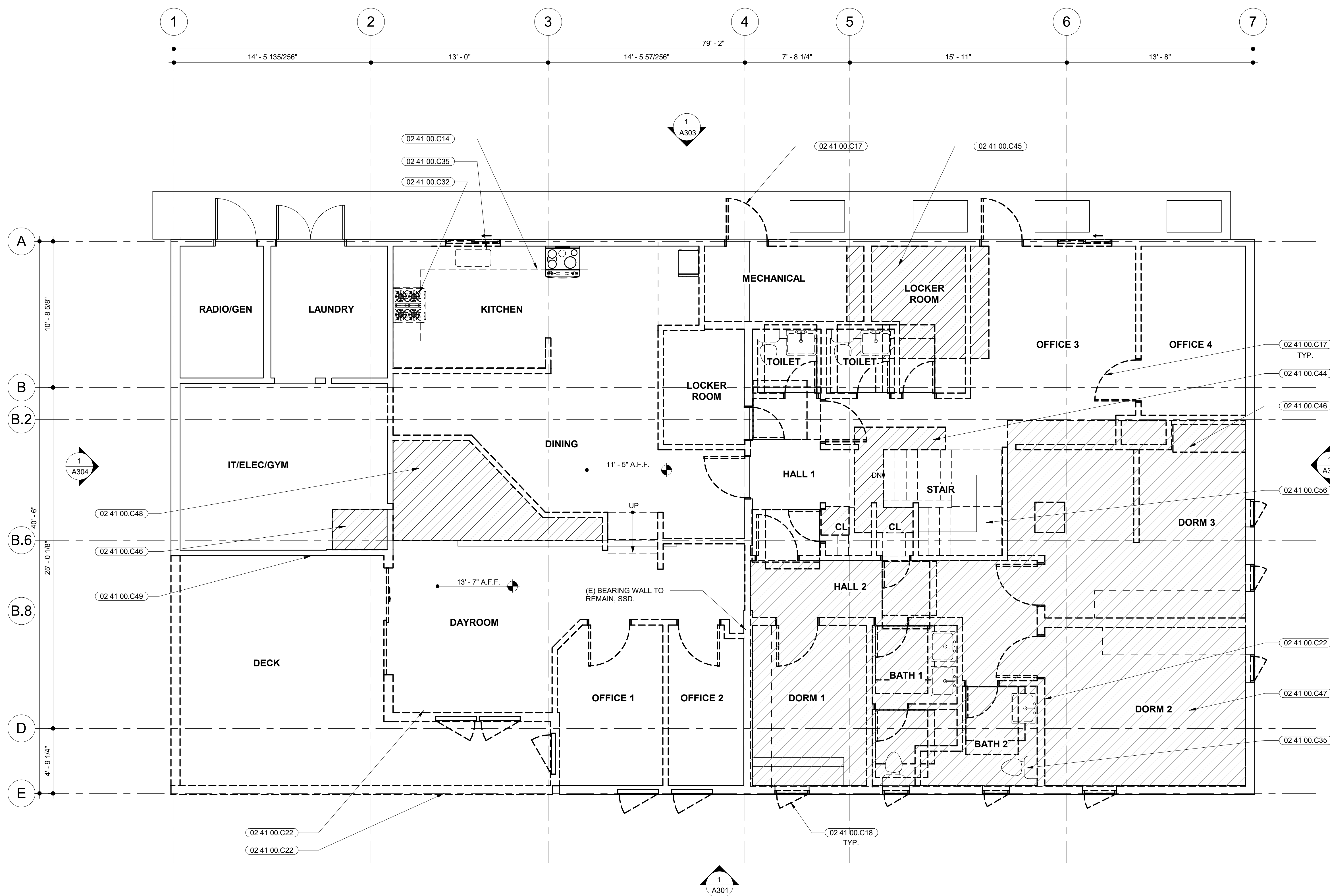
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 EXISTING AND DEMOLITION 2ND LEVEL FLOOR  
 PLAN



## A203



**1 EXISTING (DEMOLITION) 2ND LEVEL PLAN**  
 SCALE: 1/4" = 1'-0"

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

**SHEET NOTES**

- DIMENSIONS ARE TAKEN FROM GRIDLINE TO FACE OF STUD. DIMENSIONS NOTED WITH CLR. ARE FROM FACE OF FINISH TO FACE OF FINISH.
- FURNITURE, FIXTURES, AND EQUIPMENT SHOWN FOR REFERENCE. SEE FF&E PLAN AND SPECIFICATIONS
- SEE RCP ON SHEET A205 AND A206
- SEE ROOF PLAN ON SHEET A208
- SEE WALL TYPES ON SHEET A901
- FOR EXTERIOR WALL ASSEMBLIES/TYPES, SEE DETAIL CALLOUTS ON EXTERIOR ELEVATIONS
- PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND WALL MOUNTED ACCESSORIES INCLUDING BATHROOM FIXTURES. SEE DETAIL 3/A902
- PROVIDE FIRE BLOCKING FOR WALL CAVITIES THAT EXCEED CBC HEIGHT LIMITATIONS
- ALL WALL FRAMING TO EXTEND TO BOTTOM OF FLOOR FRAMING OR ROOF FRAMING, U.O.N.

**KEYNOTES**

- 06 41 00.A BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES
- 06 43 00.A (N) WOOD FRAMED STAIR
- 10 44 00.A FIRE EXTINGUISHER CABINET
- 14 24 00.A1 HYDRAULIC ELEVATOR
- 14 42 00.A ADA ACCESSIBLE WHEELCHAIR LIFT
- 21 11 13.A FIRE SPRINKLER RISER, SEE FIRE PROTECTION DRAWINGS
- 22 14 16.D (N) RAINWATER LEADER AT EXTERIOR, SEE PLUMBING DRAWINGS

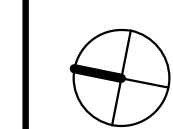
**WALL LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- PROPOSED WALL
- 1-HR RATED WALL
- 1/2-HR RATED WALL
- FLOOR AREA TO BE REMOVED

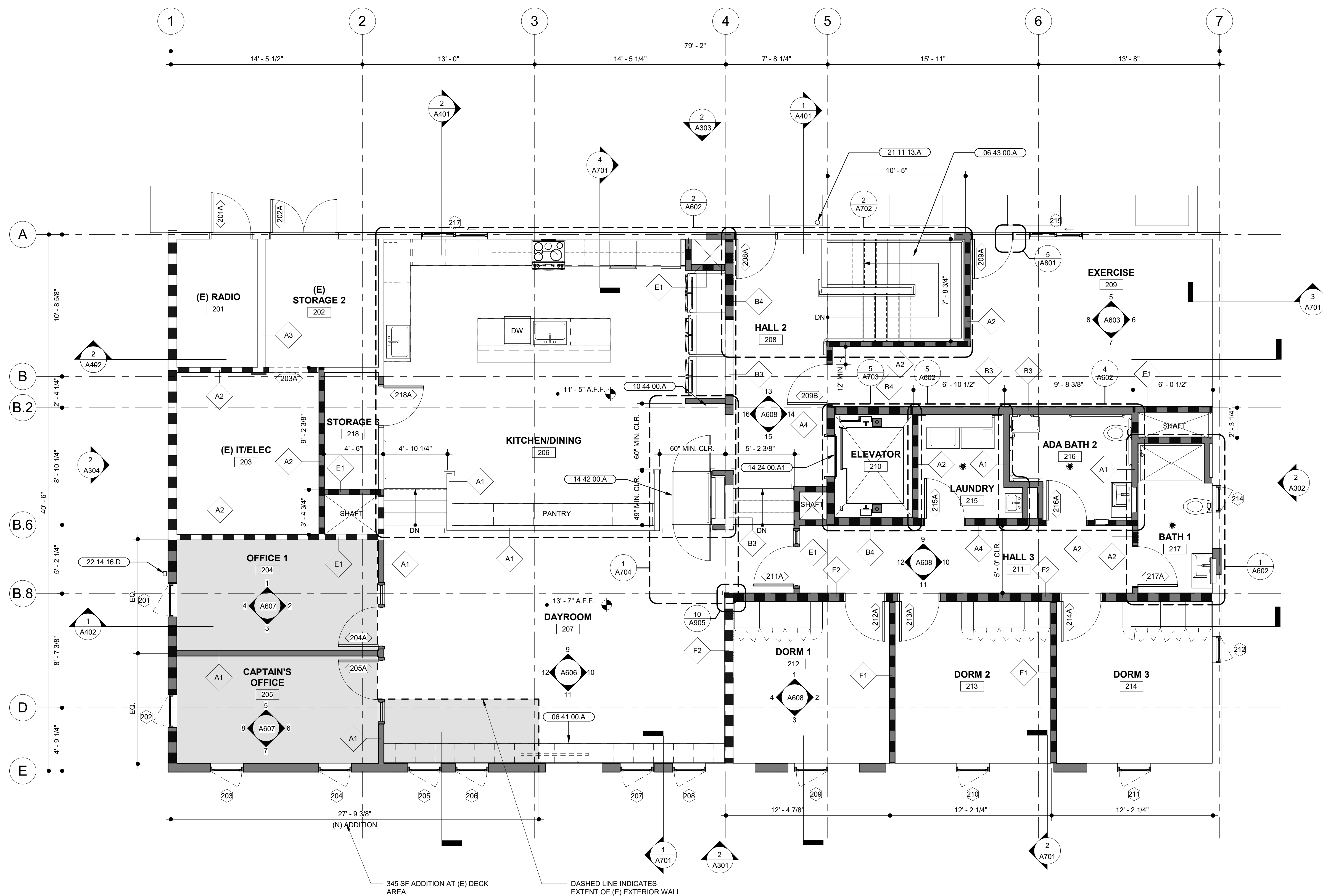
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PLANNING SUBMITTAL R1             | 01/06/2022 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 PROPOSED 2ND LEVEL FLOOR PLAN



## A204



**1 | PROPOSED 2ND LEVEL PLAN**  
 SCALE: 1/4" = 1'-0"

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM  
 CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

**SHEET NOTES**

- SEE LIGHTING DRAWINGS FOR COMPLETE PLANS AND LIGHT FIXTURE SCHEDULE
- SEE MECHANICAL DRAWINGS FOR HVAC EQUIPMENT AND DUCT SIZES
- COORDINATE ALL AUDIO/VISUAL DEVICE LOCATIONS WITH OWNER PRIOR TO INSTALLATION
- COORDINATE ALL SPRINKLER HEAD LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION
- LIGHTS AND CEILING COMPONENTS THAT APPEAR TO BE ALIGNED ARE TO BE ALIGNED, U.O.N. LIGHTS AND CEILING COMPONENTS THAT APPEAR TO BE CENTERED ON A WALL OR GRID LINE ARE TO BE CENTERED ON A GRID LINE OR WALL, U.O.N.
- ALL CEILINGS AND SOFFITS ARE ATTACHED TO THE UNDERSIDE OF STRUCTURE, U.O.N. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL FRAMING, BLOCKING, AND SUPPORT TO PROVIDE FOR LEVEL CEILINGS AND SOFFIT FINISHES.
- ALL CEILING ELEVATIONS ARE FROM ABOVE FINISH FLOOR.
- NOT ALL CEILING ACCESS PANELS ARE SHOWN ON THIS CEILING PLAN. PROVIDE ADDITIONAL ACCESS PANELS AS REQUIRED TO ACCESS PLUMBING, MECHANICAL AND ELECTRICAL. SEE MEP DRAWINGS AND CONFIRM LOCATION WITH ARCHITECT.

**KEYNOTES**

- 02 41 00.E8 PAINT (E) CEMENT BOARD SOFFIT
- 11 11 11.A (E) VEHICLE EXHAUST EXTRACTION SYSTEM, REPAIR AS REQUIRED, SEE MECHANICAL DRAWINGS
- 23 31 00.A HVAC DUCTS AND CASINGS, SEE MECHANICAL DRAWINGS

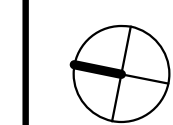
**REFLECTED CEILING LEGEND**

- SCG1 - 2 X 2 ACOUSTICAL CEILING TILE WITH CONCEALED EDGES AND SUPPORT BARS. SEE SPECIFICATION FOR PANEL TYPE
- GB1 - GYP.BD. CEILING, PTD.
- SUPPLY GRILLE, SMD.
- RETURN GRILLE, SMD.
- EXHAUST GRILLE, SMD.
- CEILING FAN COIL UNIT, SMD.
- WALL MOUNTED HVAC UNIT, SMD
- MECHANICAL ACCESS PANEL, GLASS FIBER REINFORCED GYPSUM (GFRG) RADIUS CORNER SEAMLESS/CONCEALED ACCESS HATCH. COORDINATE WITH EQUIPMENT LOCATIONS.
- RECESSED LIGHT FIXTURE, SED
- SURFACE MOUNTED FIXTURES, SED
- 2X2 LIGHT FIXTURE, SED
- LINEAR LIGHT FIXTURE, SED
- PENDANT LIGHT FIXTURES, SED
- INFRARED HEATER, SMD

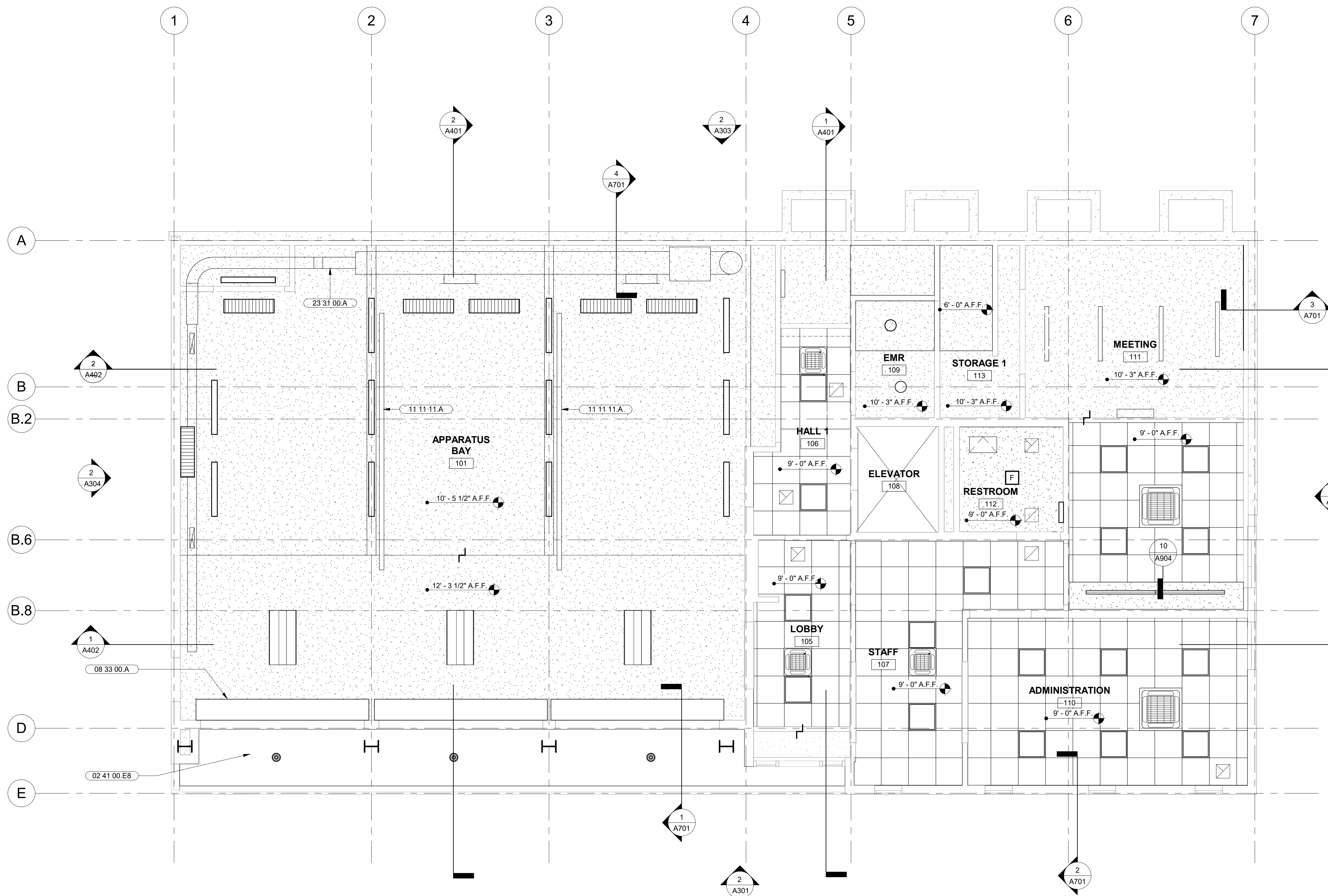
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 PROPOSED 1ST LEVEL REFLECTED CEILING  
 PLAN



## A205



**1** PROPOSED 1ST LEVEL REFLECTED CEILING PLAN  
 SCALE: 1/4" = 1'-0"

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869

CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

**SHEET NOTES**

- SEE LIGHTING DRAWINGS FOR COMPLETE PLANS AND LIGHT FIXTURE SCHEDULE
- SEE MECHANICAL DRAWINGS FOR HVAC EQUIPMENT AND DUCT SIZES
- COORDINATE ALL AUDIO/VISUAL DEVICE LOCATIONS WITH OWNER PRIOR TO INSTALLATION
- COORDINATE ALL SPRINKLER HEAD LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION
- LIGHTS AND CEILING COMPONENTS THAT APPEAR TO BE ALIGNED ARE TO BE ALIGNED, U.O.N. LIGHTS AND CEILING COMPONENTS THAT APPEAR TO BE CENTERED ON A WALL OR GRID LINE ARE TO BE CENTERED ON A GRID LINE OR WALL, U.O.N.
- ALL CEILINGS AND SOFFITS ARE ATTACHED TO THE UNDERSIDE OF STRUCTURE, U.O.N. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL FRAMING, BLOCKING, AND SUPPORT TO PROVIDE FOR LEVEL CEILINGS AND SOFFIT FINISHES.
- ALL CEILING ELEVATIONS ARE FROM ABOVE FINISH FLOOR.
- NOT ALL CEILING ACCESS PANELS ARE SHOWN ON THIS CEILING PLAN. PROVIDE ADDITIONAL ACCESS PANELS AS REQUIRED TO ACCESS PLUMBING, MECHANICAL AND ELECTRICAL. SEE MEP DRAWINGS AND CONFIRM LOCATION WITH ARCHITECT.

**KEYNOTES**

- 02 41 00.E8 PAINT (E) CEMENT BOARD SOFFIT
- 02 41 00.E9 (E) CLEARSTORY LIGHT MONITOR
- 02 41 00.E10 (E) ROOF HATCH ACCESS DOOR
- 02 41 00.E11 (E) WALL MOUNTED LADDER FOR ROOF ACCESS TO REMAIN
- 02 41 00.E12 (E) METAL FASCIA TO REMAIN
- 07 46 46.B PAINTED FIBER CEMENT BOARD SOFFIT PANELS
- 07 71 00.A METAL FASCIA TO MATCH (E)
- 08 60 00.A CURB MOUNTED FIXED SKYLIGHT
- 08 60 00.B CURB MOUNTED MOTOR OPERATED SKYLIGHT

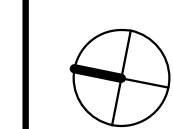
**REFLECTED CEILING LEGEND**

- SCG1 - 2 X 2 ACOUSTICAL CEILING TILE WITH CONCEALED EDGES AND SUPPORT BARS. SEE SPECIFICATION FOR PANEL TYPE
- GB1 - GYP.BD. CEILING, PTD.
- SUPPLY GRILLE, SMD.
- RETURN GRILLE, SMD.
- EXHAUST GRILLE, SMD.
- CEILING FAN COIL UNIT, SMD.
- WALL MOUNTED HVAC UNIT, SMD
- MECHANICAL ACCESS PANEL, GLASS FIBER REINFORCED GYPSUM (GFRG) RADIUS CORNER SEAMLESS/CONCEALED ACCESS HATCH. COORDINATE WITH EQUIPMENT LOCATIONS.
- RECESSED LIGHT FIXTURE, SED
- SURFACE MOUNTED FIXTURES, SED
- 2X2 LIGHT FIXTURE, SED
- LINEAR LIGHT FIXTURE, SED
- PENDANT LIGHT FIXTURES, SED
- INFRARED HEATER, SMD

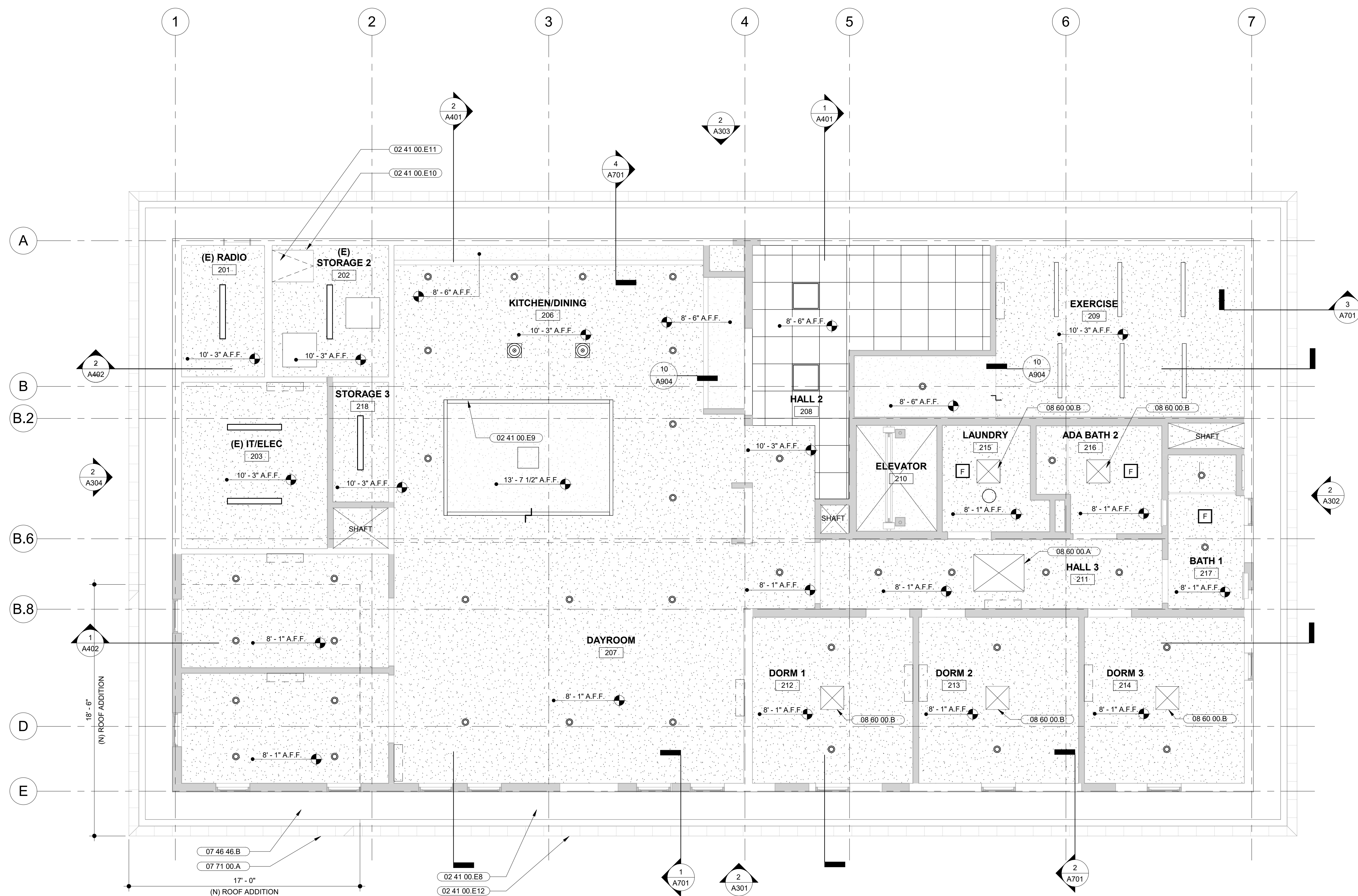
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
PROPOSED 2ND LEVEL FLOOR REFLECTED CEILING PLAN



## A206



**1** PROPOSED 2ND LEVEL REFLECTED CEILING PLAN  
SCALE: 1/4" = 1'-0"

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869

CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

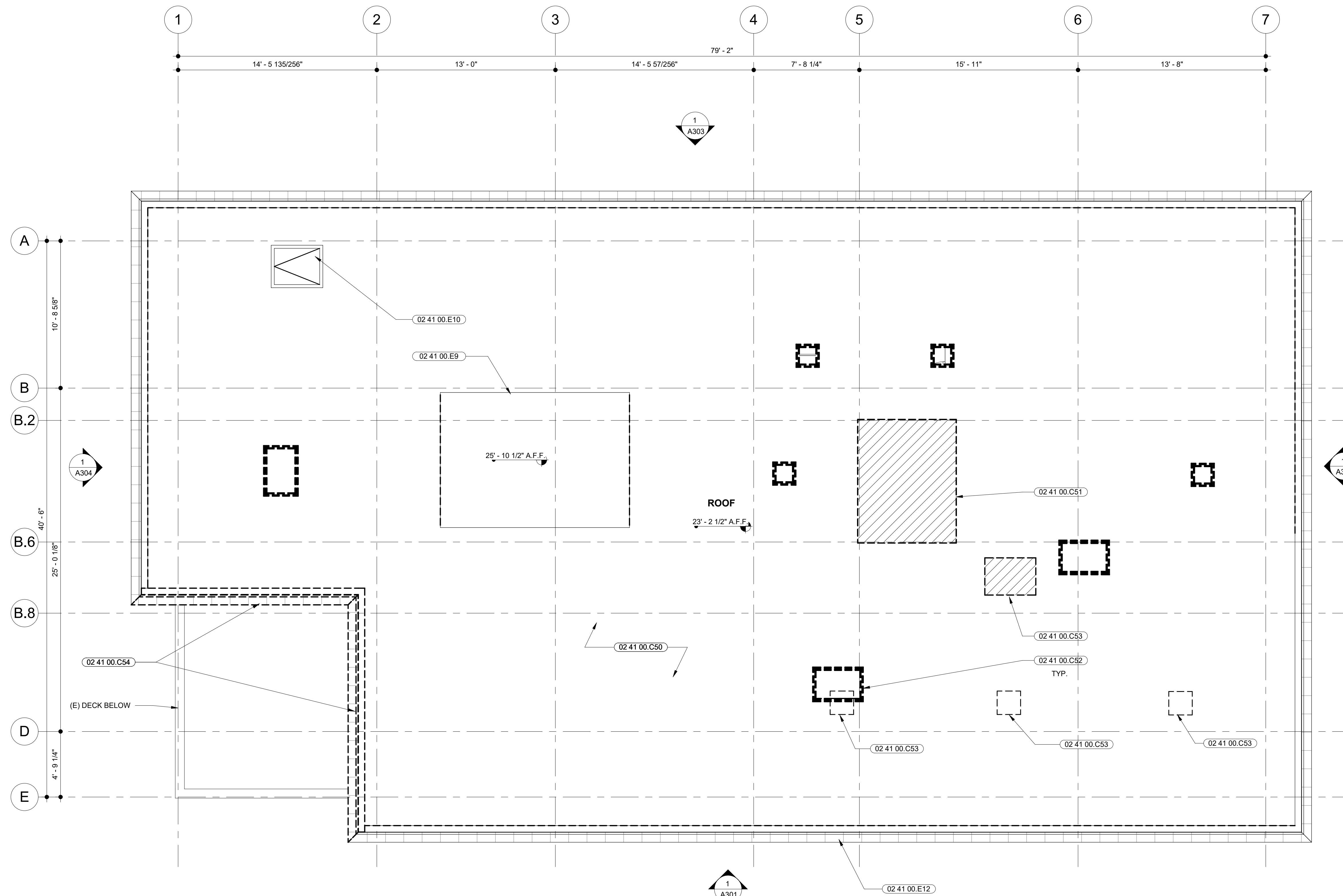
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

**SHEET NOTES**

- ALL (E) MECHANICAL EQUIPMENT, DUCTS AND MOUNTS TO BE REMOVED.
- ALL (E) RADIO EQUIPMENT TO BE SALVAGED. CONFIRM WITH KENSINGTON FIRE AND POLICE DEPARTMENTS FOR STORAGE OR RELOCATION.
- SEE STRUCTURAL DRAWINGS FOR EXTENT OF (E) ROOF FRAMING TO REMAIN.

**KEYNOTES**

- 02 41 00.C50 (E) ROOF COVERING TO BE REMOVED  
02 41 00.C51 (E) ROOF FRAMING TO BE REMOVED FOR (N) ELEVATOR OVERHEAD  
02 41 00.C52 (E) SKYLIGHTS TO BE REMOVED  
02 41 00.C53 (E) ROOF FRAMING TO BE REMOVED FOR (N) SKYLIGHT  
02 41 00.C54 (E) METAL FASCIA TO BE REMOVED  
02 41 00.E9 (E) CLEARSTORY LIGHT MONITOR  
02 41 00.E10 (E) ROOF HATCH ACCESS DOOR  
02 41 00.E12 (E) METAL FASCIA TO REMAIN



**1** EXISTING (DEMOLITION) ROOF LEVEL PLAN  
SCALE: 1/4" = 1'-0"

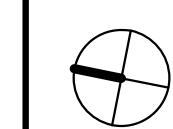
**WALL LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- PROPOSED WALL
- 1-HR RATED WALL
- 1/2-HR RATED WALL
- FLOOR AREA TO BE REMOVED

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
EXISTING ROOF PLAN



**A207**

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
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ARCHITECT: MARJANG ARCHITECTURE  
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SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
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SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
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WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
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ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

**SHEET NOTES**

- SEE STRUCTURAL FOR TOP OF FRAMING. TOP OF ROOFING AND TOP OF FRAMING VARY.
- ALL PENETRATIONS THROUGH ROOF SHALL BE FLASHED AND SEALED WATERTIGHT. SEE MEP DRAWINGS FOR ADDITIONAL PENETRATIONS.
- ANTENNA TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR (OFCI). SEE LOW VOLTAGE DRAWINGS.
- MIN. ROOFING INSULATION THICKNESS PER TITLE-24 CALCULATIONS.
- TAPER ROOF SLOPES PER PLAN, MINIMUM 1/4" PER FOOT SLOPE.
- PROVIDE WALK PADS FROM ROOF HATCH THROUGH ALL MAIN AISLES FROM ROOF HATCH TO ROOF TOP EQUIPMENT.
- PROVIDE ROOF CRICKETS AT SKYLIGHTS AND ROOF POP UPS AS REQUIRED FOR DRAINAGE. 1/4" PER FOOT SLOPE MINIMUM.
- SEE MECHANICAL DRAWINGS FOR HVAC DUCTING AT ROOF.

**KEYNOTES**

- 02 41 00.E9 (E) CLEARSTORY LIGHT MONITOR
- 02 41 00.E10 (E) ROOF HATCH ACCESS DOOR
- 02 41 00.E12 (E) METAL FASCIA TO REMAIN
- 07 54 00.A CLASS A THERMOPLASTIC MEMBRANE ROOFING
- 07 71 00.A METAL FASCIA TO MATCH (E)
- 08 60 00.B CURB MOUNTED MOTOR OPERATED SKYLIGHT
- 14 24 00.A3 ELEVATOR HOISTWAY OVERHEAD
- 22 14 16.A (N) ROOF DRAIN AT EXISTING LOCATION. REUSE (E) STORMWATER PIPING INSIDE BUILDING AND RECONNECT TO THE (E) SYSTEM AT LOCATIONS DOWNSTREAM OF (E) CONNECTION POINTS. RE-ROUTE (E) PIPING TO AVOID SHEAR WALLS. CONTRACTOR TO VERIFY (E) LOCATIONS IN FIELD. SEE PLUMBING DRAWINGS
- 22 14 16.B (N) ROOF DRAIN AND OVERFLOW DRAIN. SEE PLUMBING DRAWINGS
- 22 14 16.C (N) ROOF SCUPPER AT (E) LOCATION. SEE PLUMBING DRAWINGS
- 23 31 00.A HVAC DUCTS AND CASINGS. SEE MECHANICAL DRAWINGS
- 23 72 00.A CURB MOUNTED AIR HANDLING UNIT. SEE MECHANICAL DRAWINGS

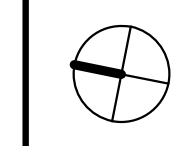
**WALL LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- PROPOSED WALL
- 1-HR RATED WALL
- 1/2-HR RATED WALL
- FLOOR AREA TO BE REMOVED

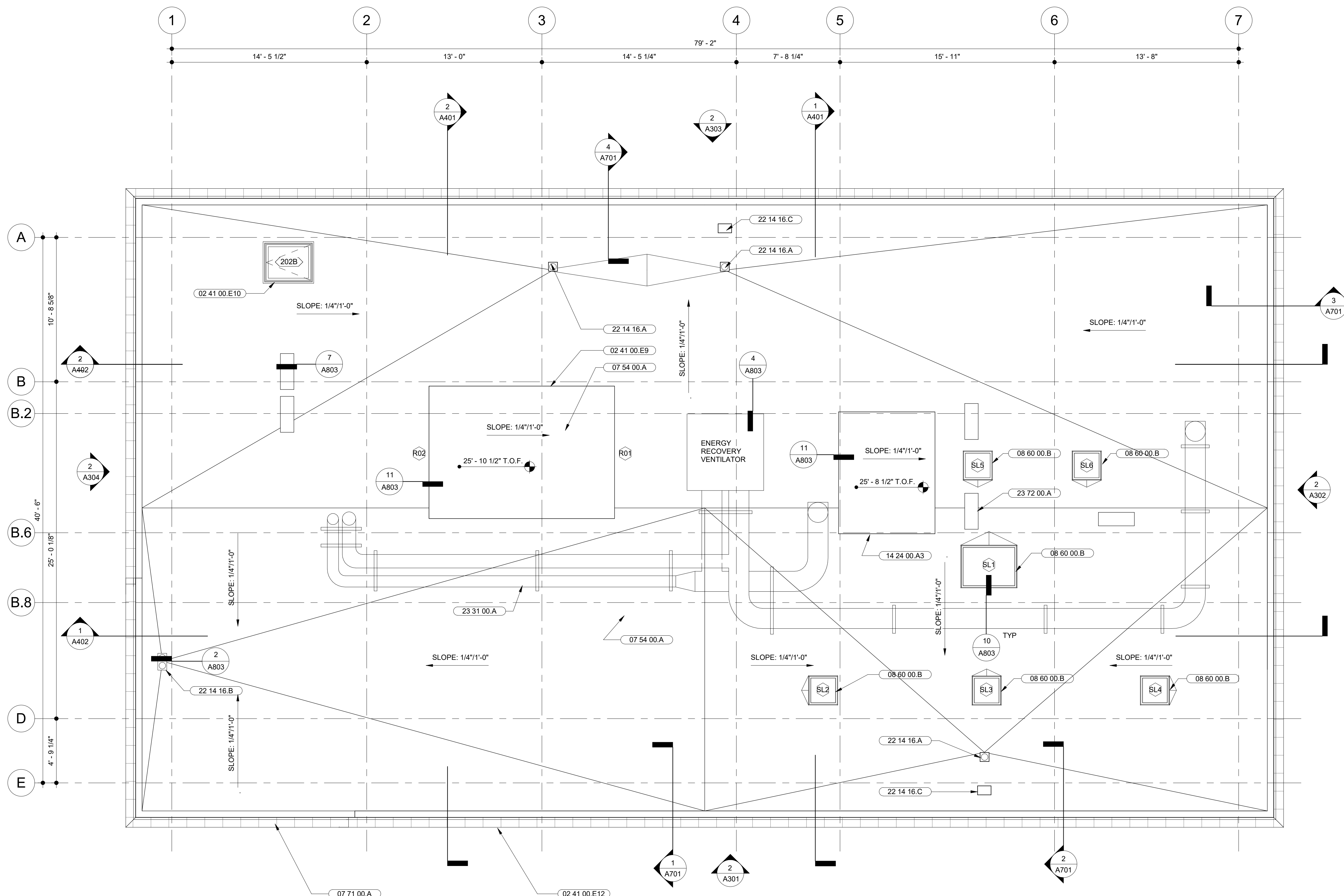
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

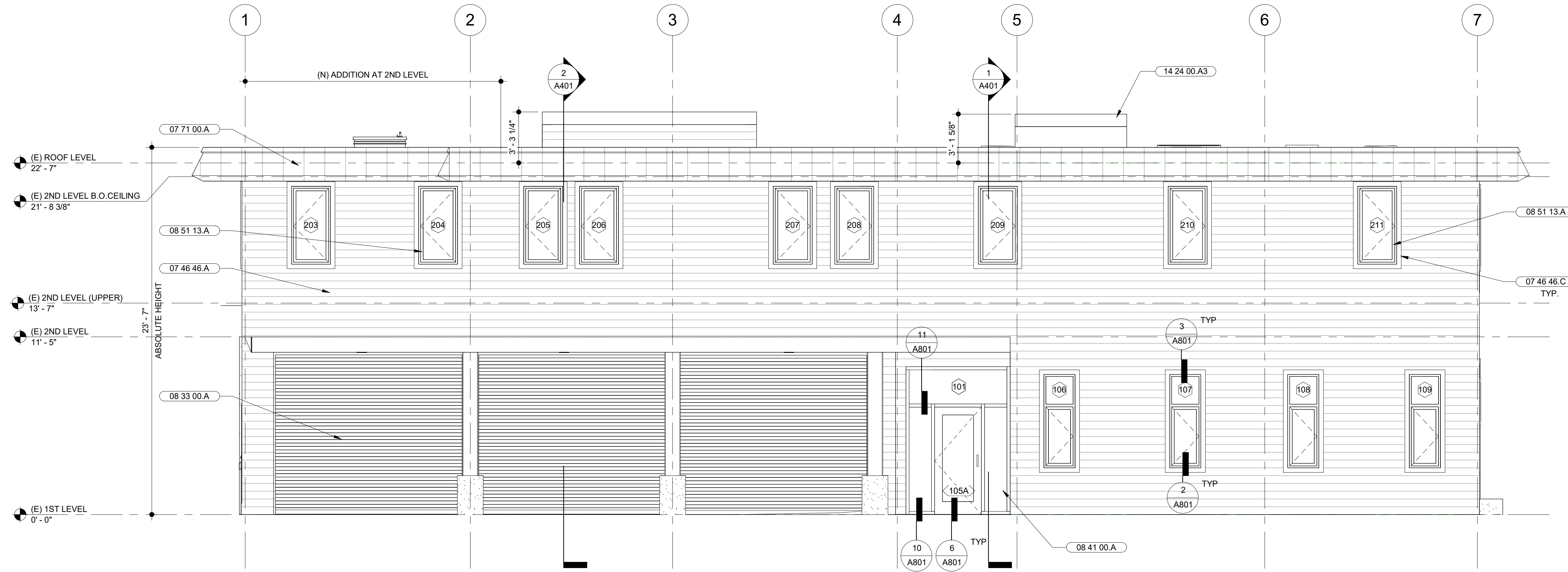
DESCRIPTION  
PROPOSED ROOF PLAN



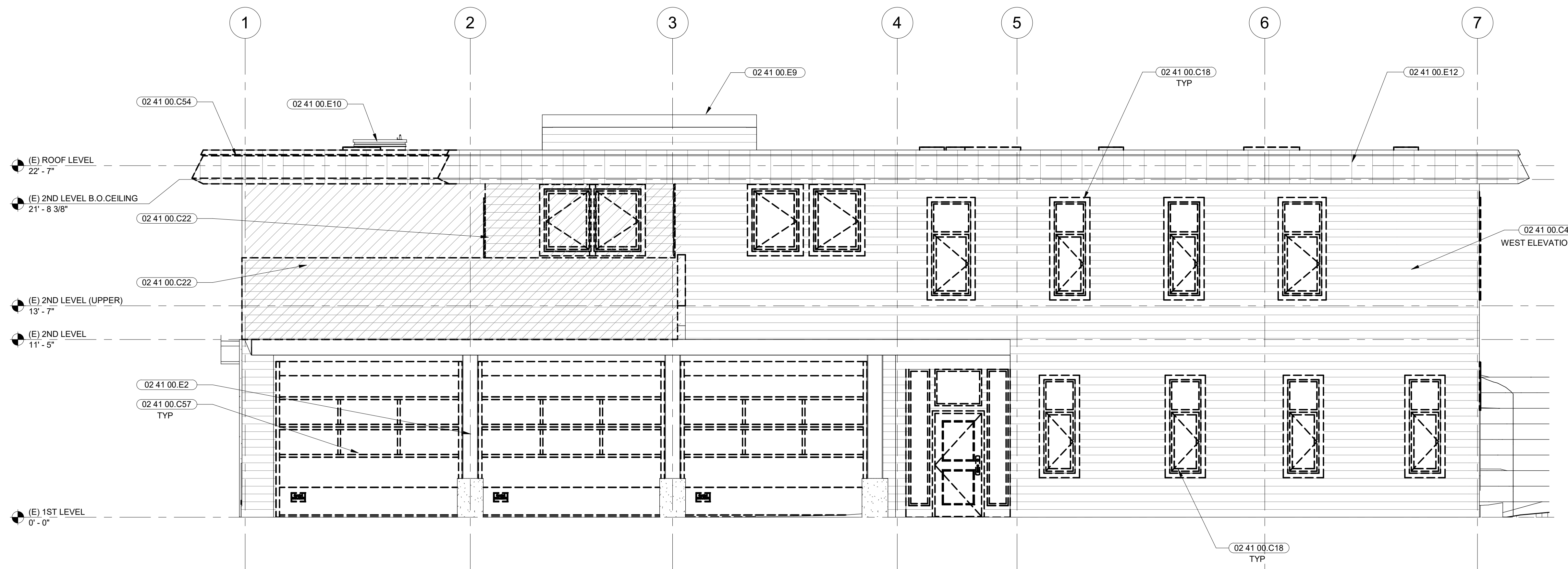
## A208



**1** PROPOSED ROOF LEVEL PLAN  
SCALE: 1/4" = 1'-0"



**2** PROPOSED WEST ELEVATION  
SCALE: 1/4" = 1'-0"



**1** EXISTING (DEMOLITION) WEST ELEVATION  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

- FOR DOOR SIZES AND TYPE, REFER TO DOOR SCHEDULE
- FOR WINDOW SIZES AND TYPE, REFER TO WINDOW SCHEDULE

**KEYNOTES**

- 02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
- 02 41 00.C22 (E) WALLS TO BE REMOVED
- 02 41 00.C49 (E) EXTERIOR SIDING TO BE REMOVED, (E) FRAMING TO REMAIN
- 02 41 00.C54 (E) METAL FASCIA TO BE REMOVED
- 02 41 00.C57 (E) OVERHEAD SECTION DOORS TO BE REMOVED
- 02 41 00.E2 (E) MOMENT FRAME AND CONCRETE PIERS TO REMAIN
- 02 41 00.E9 (E) CLEARSTORY LIGHT MONITOR
- 02 41 00.E10 (E) ROOF HATCH ACCESS DOOR
- 02 41 00.E12 (E) METAL FASCIA TO REMAIN
- 07 46 46.A PAINTED FIBER CEMENT BOARD HORIZONTAL SIDING
- 07 46 46.C PAINTED FIBER CEMENT TRIM BOARD
- 07 71 00.A METAL FASCIA TO MATCH (E)
- 08 33 00.A (N) OVERHEAD COILING DOOR WITH MOTOR AND CONTROLLER
- 08 41 00.A (N) ALUMINUM STOREFRONT WINDOW SYSTEM
- 08 51 13.A ALUMINUM CASEMENT WINDOW
- 14 24 00.A3 ELEVATOR HOISTWAY OVERHEAD

**LEGEND**

- PAINTED HORIZONTAL CEMENT BOARD SIDING
- PAINTED SHINGLE CEMENT BOARD SIDING
- METAL ROOF FASCIA
- AREA OF SELECTIVE DEMOLITION

**MARJANG ARCHITECTURE**



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

PROJECT TEAM  
CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
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ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
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CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

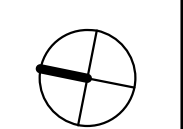
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

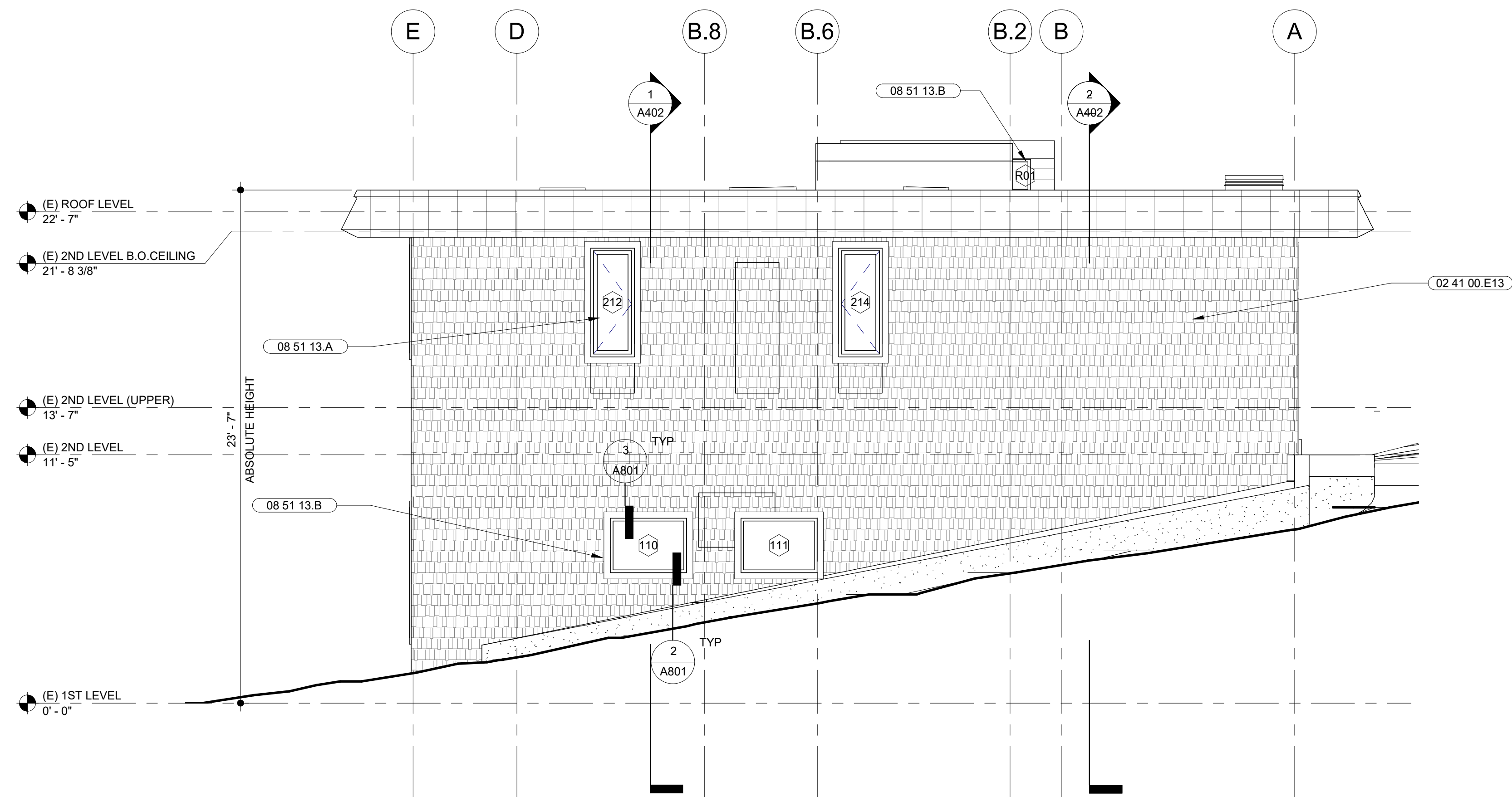
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PLANNING SUBMITTAL R1             | 01/06/2022 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

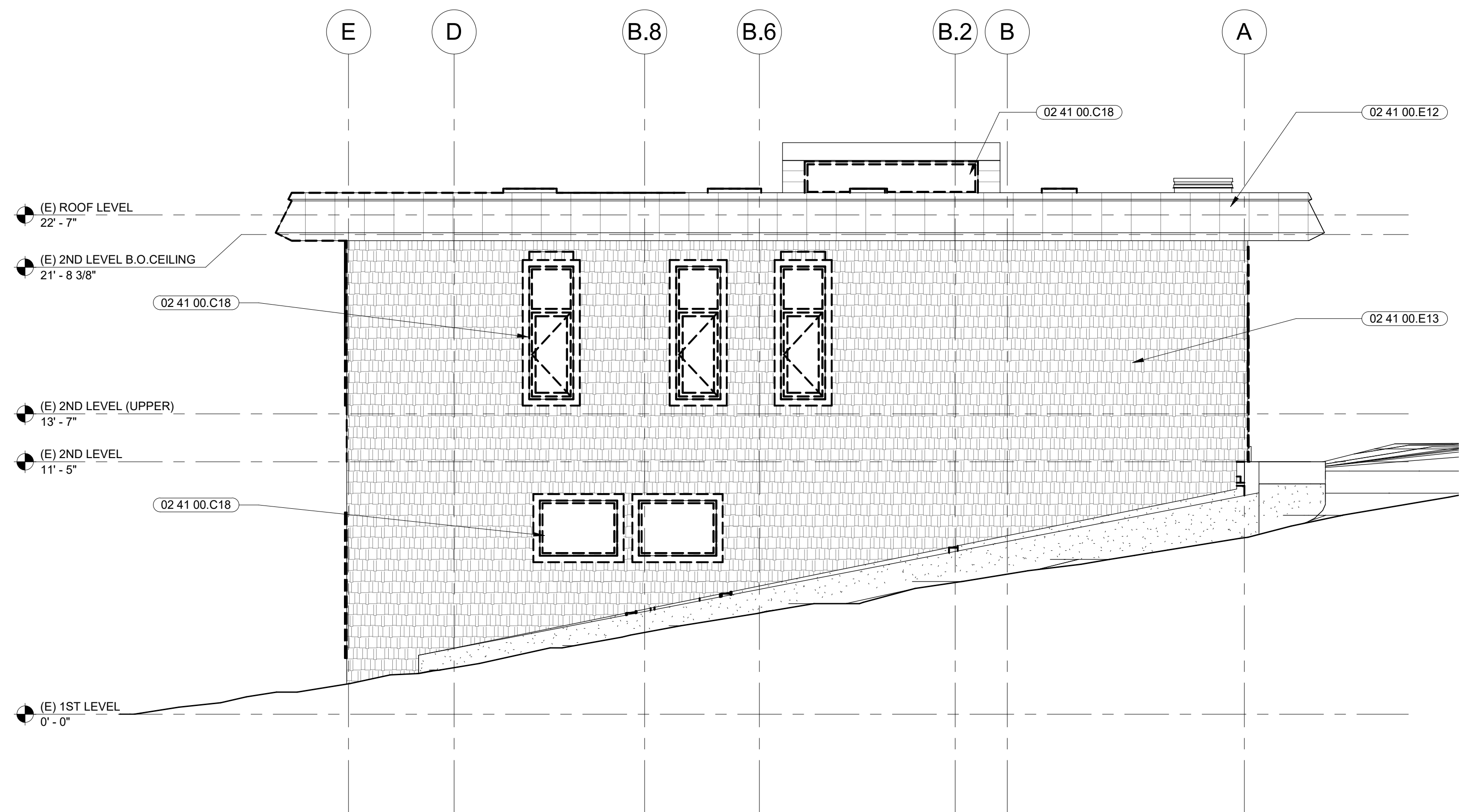
DESCRIPTION  
EXTERIOR ELEVATIONS - WEST



**A301**



**2** PROPOSED SOUTH ELEVATION  
SCALE: 1/4" = 1'-0"



**1** EXISTING (DEMOLITION) SOUTH ELEVATION  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

- FOR DOOR SIZES AND TYPE, REFER TO DOOR SCHEDULE
- FOR WINDOW SIZES AND TYPE, REFER TO WINDOW SCHEDULE

**KEYNOTES**

- 02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
- 02 41 00.E12 (E) METAL FASCIA TO REMAIN
- 02 41 00.E13 (E) CEMENT BOARD SHINGLE SIDING TO REMAIN. PAINT, PATCH, AND REPAIR AS REQUIRED
- 08 51 13.A ALUMINUM CASEMENT WINDOW
- 08 51 13.B ALUMINUM FIXED WINDOW

**LEGEND**

- PAINTED HORIZONTAL CEMENT BOARD SIDING
- PAINTED SHINGLE CEMENT BOARD SIDING
- METAL ROOF FASCIA
- AREA OF SELECTIVE DEMOLITION

**MARJANG ARCHITECTURE**

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

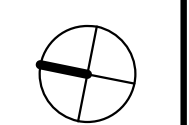
PROJECT TEAM

- CLIENT:** KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064
- ARCHITECT:** MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600
- STRUCTURAL:** ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869
- CIVIL:** BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200
- GEOTECH:** HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544
- MEP:** LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390
- AUDIO/VISUAL:** SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140
- ESTIMATOR:** MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PLANNING SUBMITTAL R1             | 01/06/2022 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

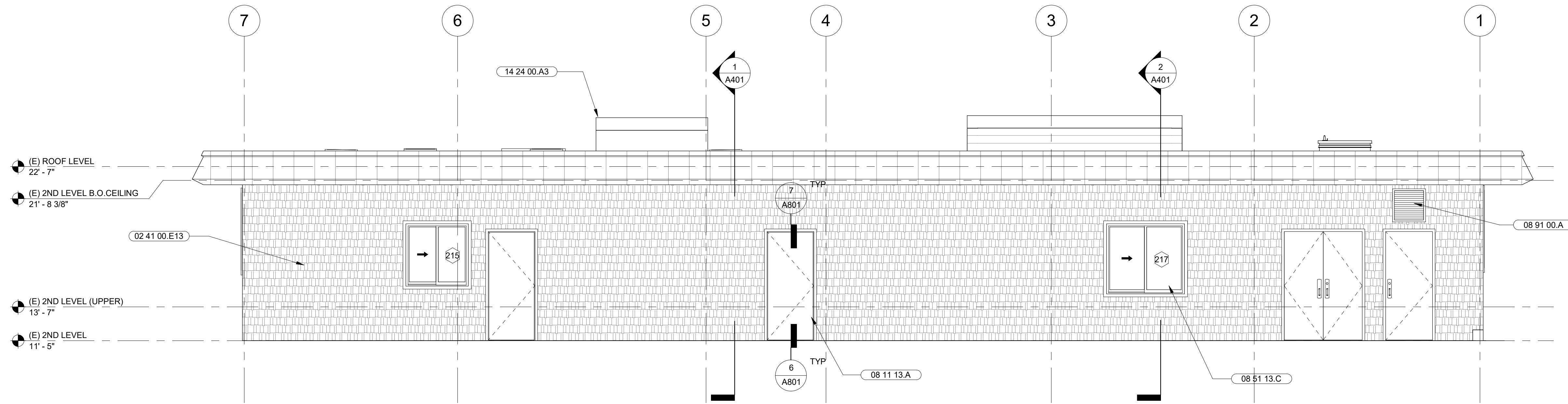
JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION EXTERIOR ELEVATIONS - SOUTH

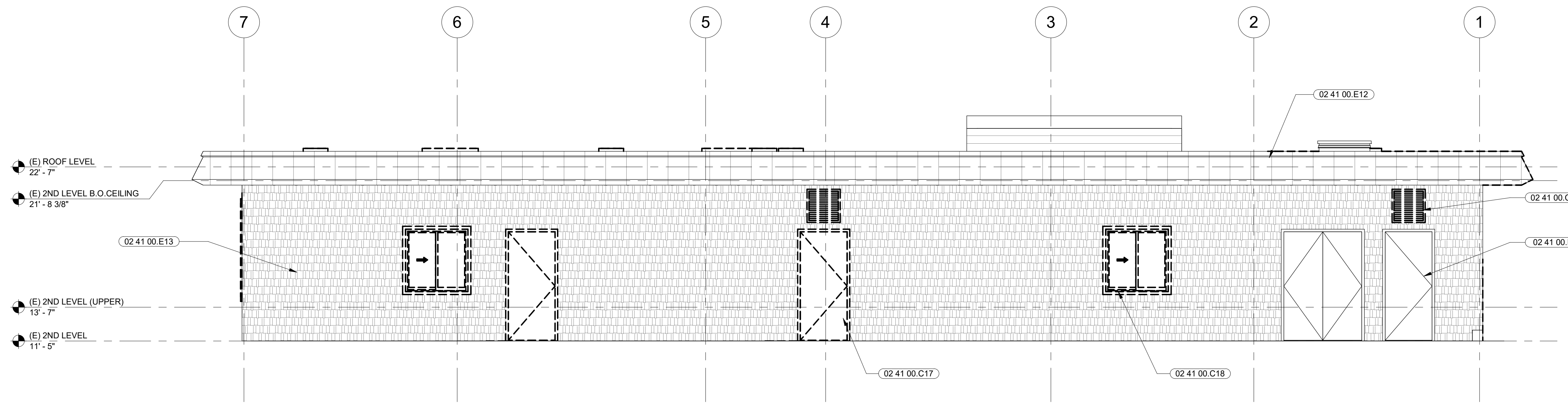


**A302**





**2 | PROPOSED EAST ELEVATION**  
SCALE: 1/4" = 1'-0"



**1 | EXISTING (DEMOLITION) EAST ELEVATION**  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

- FOR DOOR SIZES AND TYPE, REFER TO DOOR SCHEDULE
- FOR WINDOW SIZES AND TYPE, REFER TO WINDOW SCHEDULE

**KEYNOTES**

- 02 41 00.C17 (E) DOOR AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
- 02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
- 02 41 00.C58 (E) LOUVERS TO BE REMOVED
- 02 41 00.E3 (E) DOOR TO REMAIN
- 02 41 00.E12 (E) METAL FASCIA TO REMAIN
- 02 41 00.E13 (E) CEMENT BOARD SHINGLE SIDING TO REMAIN. PAINT, PATCH, AND REPAIR AS REQUIRED
- 08 11 13.A HOLLOW METAL DOOR AND FRAME
- 08 51 13.C ALUMINUM SLIDING WINDOW
- 08 91 00.A FIXED PAINTED ALUMINUM LOUVER
- 14 24 00.A3 ELEVATOR HOISTWAY OVERHEAD

**LEGEND**

- PAINTED HORIZONTAL CEMENT BOARD SIDING
- PAINTED SHINGLE CEMENT BOARD SIDING
- METAL ROOF FASCIA
- AREA OF SELECTIVE DEMOLITION

**MARJANG ARCHITECTURE**

STAMP



PROJECT ADDRESS

**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

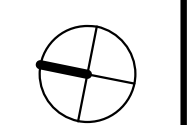
PROJECT TEAM

- CLIENT:** KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
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CONTACT: BILL HANSELL  
T: (415) 378-9064
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930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600
- STRUCTURAL:** ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
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- CIVIL:** BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200
- GEOTECH:** HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544
- MEP:** LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390
- AUDIO/VISUAL:** SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140
- ESTIMATOR:** MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
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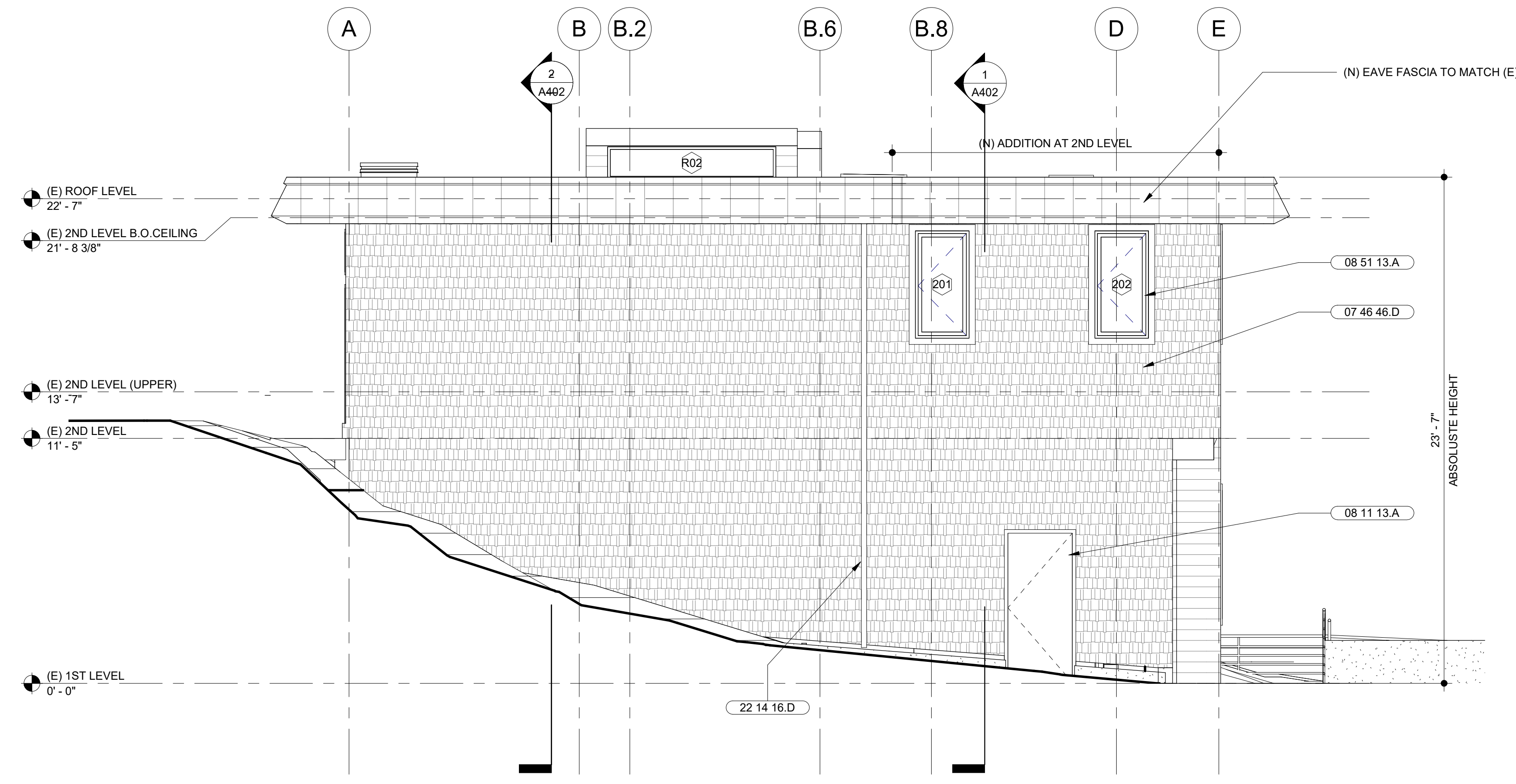
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PLANNING SUBMITTAL R1             | 01/06/2022 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

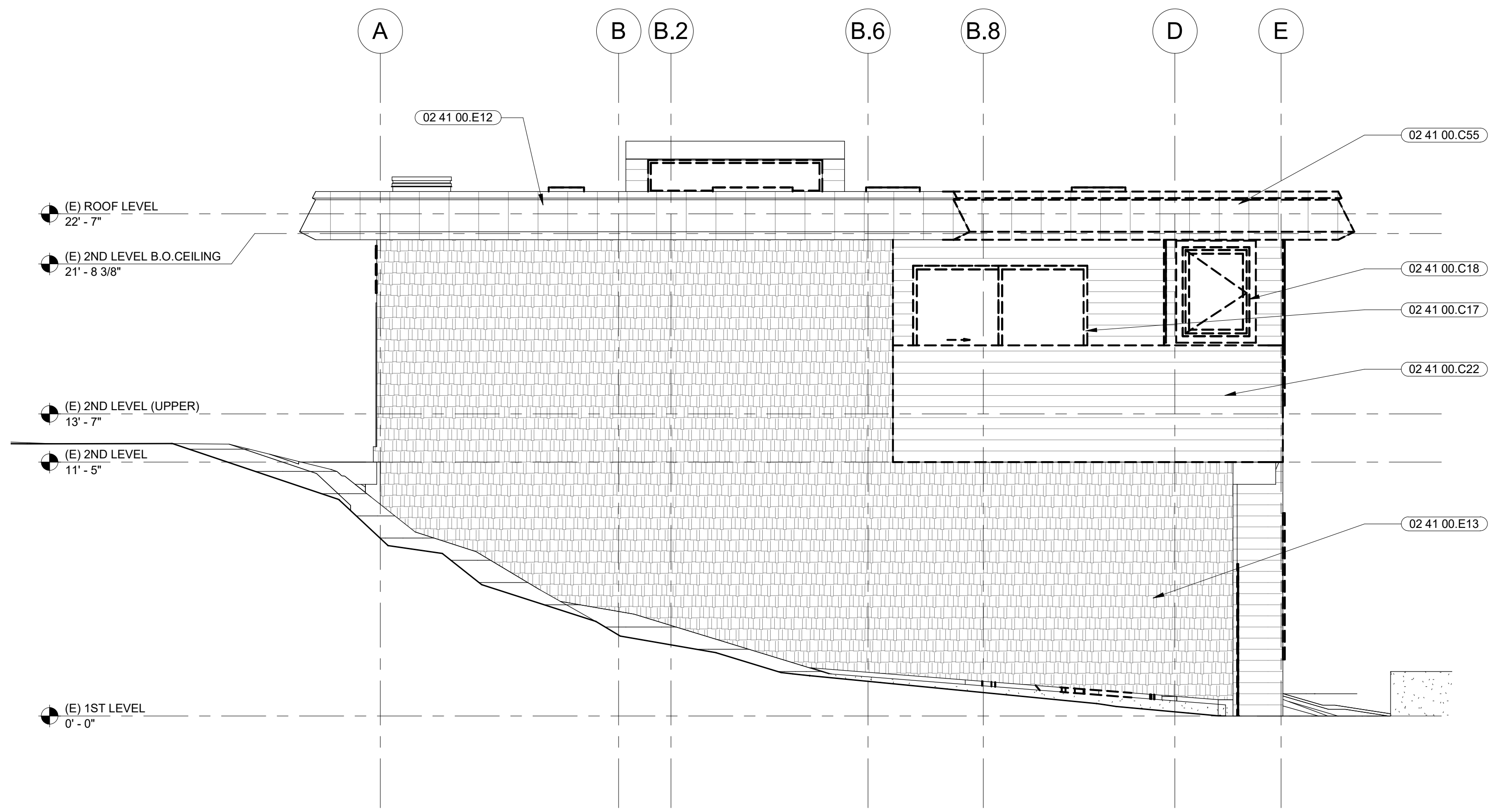
DESCRIPTION  
EXTERIOR ELEVATIONS - EAST



**A303**



**2** PROPOSED NORTH ELEVATION  
SCALE: 1/4" = 1'-0"



**1** EXISTING (DEMOLITION) NORTH ELEVATION  
SCALE: 1/4" = 1'-0"

- SHEET NOTES**
- FOR DOOR SIZES AND TYPE, REFER TO DOOR SCHEDULE
  - FOR WINDOW SIZES AND TYPE, REFER TO WINDOW SCHEDULE

**MARJANG ARCHITECTURE**

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

PROJECT TEAM  
CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
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ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869

CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

- KEYNOTES**
- 02 41 00.C17 (E) DOOR AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
  - 02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
  - 02 41 00.C22 (E) WALLS TO BE REMOVED
  - 02 41 00.C55 (E) METAL LOUVER TO BE REMOVED
  - 02 41 00.E12 (E) METAL FASCIA TO REMAIN
  - 02 41 00.E13 (E) CEMENT BOARD SHINGLE SIDING TO REMAIN. PAINT, PATCH, AND REPAIR AS REQUIRED
  - 07 46 46.D PAINTED FIBER CEMENT BOARD SHINGLE SIDING
  - 08 11 13.A HOLLOW METAL DOOR AND FRAME
  - 08 51 13.A ALUMINUM CASEMENT WINDOW
  - 22 14 16.D (N) RAINWATER LEADER AT EXTERIOR. SEE PLUMBING DRAWINGS

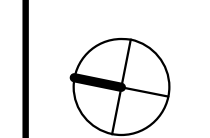
**LEGEND**

|  |  |
|--|--|
|  | PAINTED HORIZONTAL CEMENT BOARD SIDING |
|  | PAINTED SHINGLE CEMENT BOARD SIDING    |
|  | METAL ROOF FASCIA                      |
|  | AREA OF SELECTIVE DEMOLITION           |

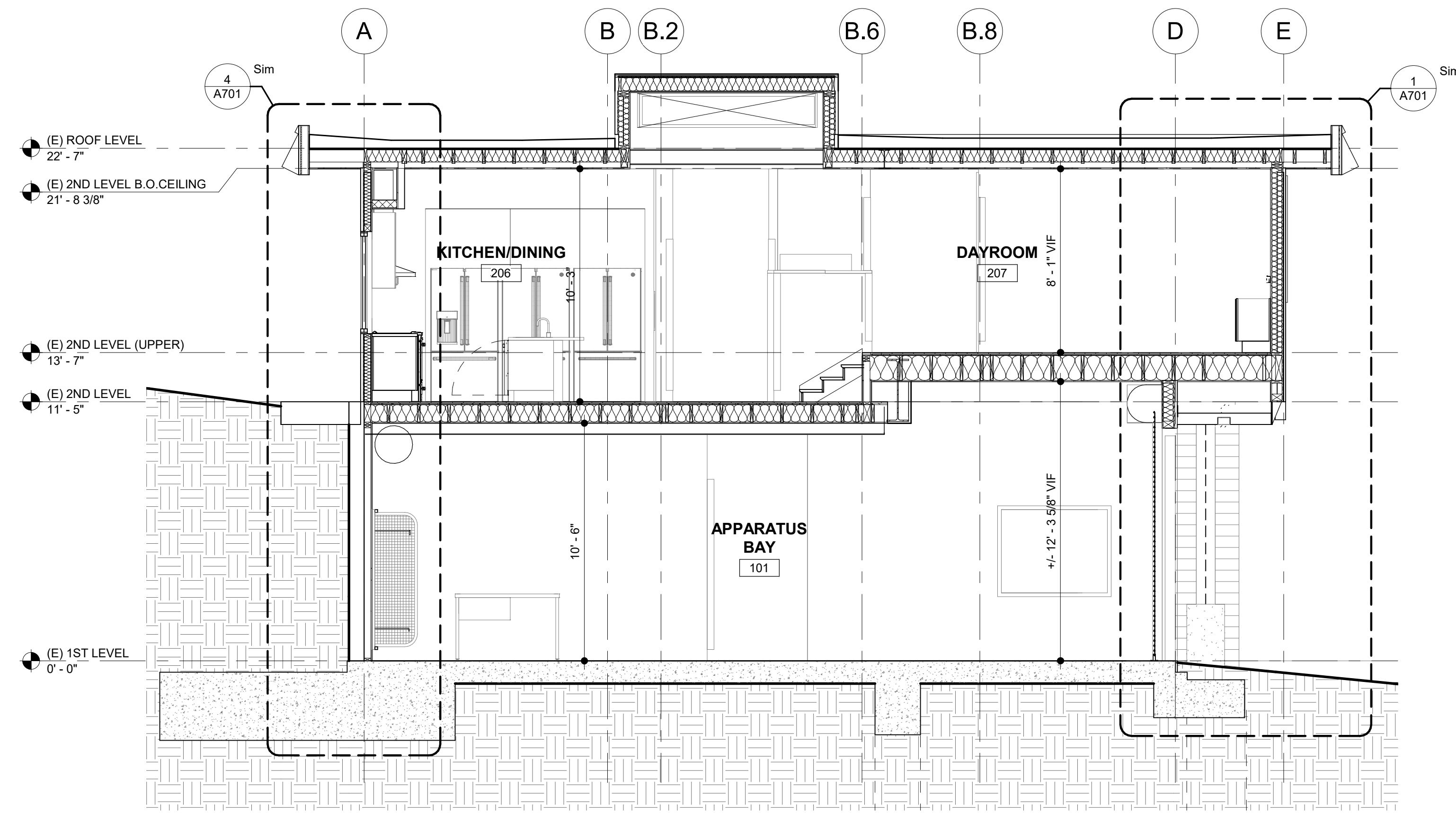
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PLANNING SUBMITTAL R1             | 01/06/2022 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

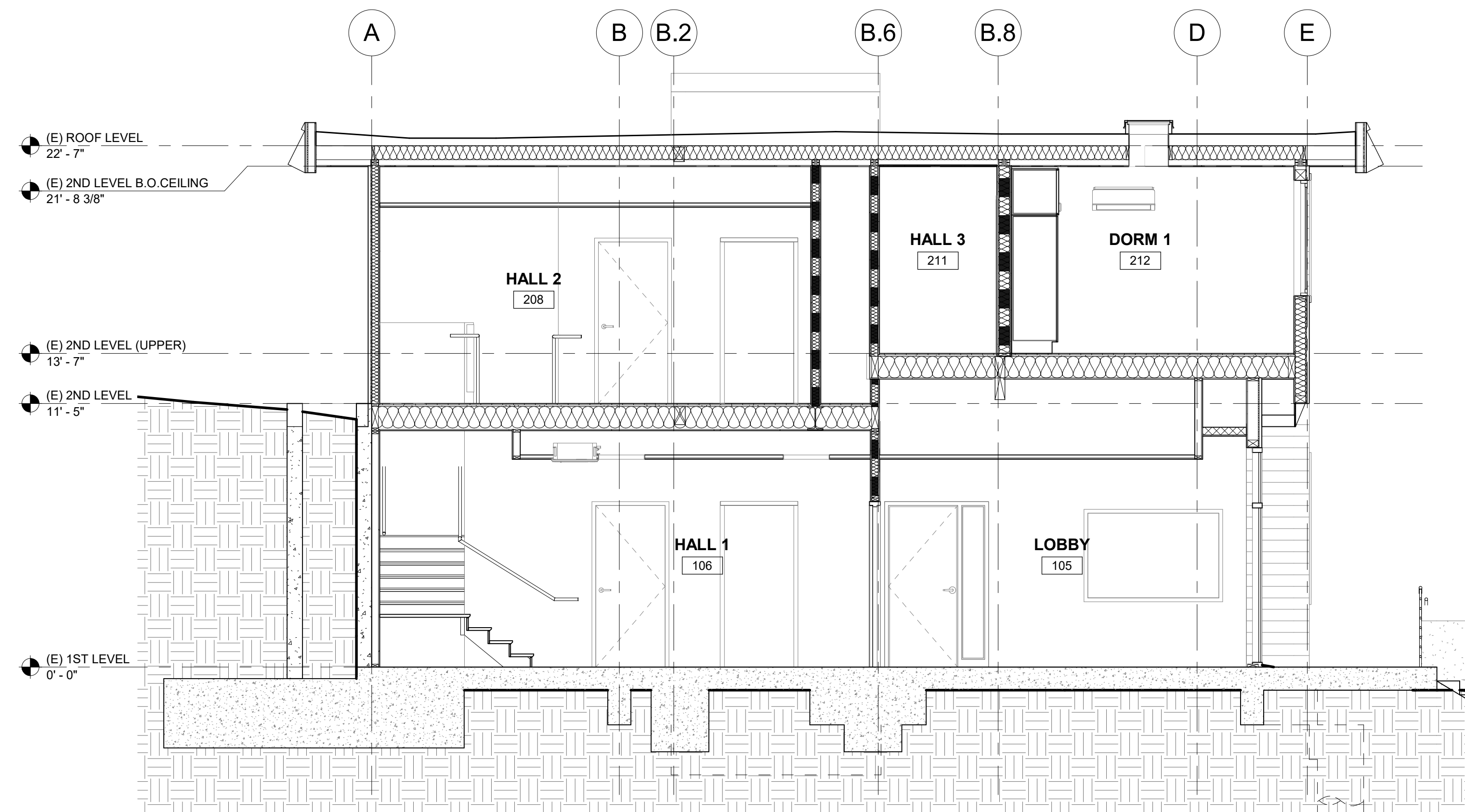
DESCRIPTION  
EXTERIOR ELEVATIONS - NORTH



**A304**



**2** BUILDING SECTION 2  
SCALE: 1/4" = 1'-0"



**1** BUILDING SECTION 1  
SCALE: 1/4" = 1'-0"

# MARJANG ARCHITECTURE

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
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T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869

CIVIL: BKF ENGINEERS  
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WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
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GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
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CONTACT: CATHERINE ELLIS  
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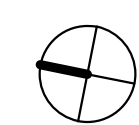
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 2   | PLANNING SUBMITTAL                | 11/01/2021 |
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| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
BUILDING SECTIONS



# A401

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE.  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869

CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
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MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

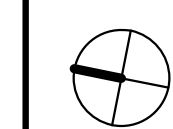
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
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| NO. | DESCRIPTION                       | DATE       |
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| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

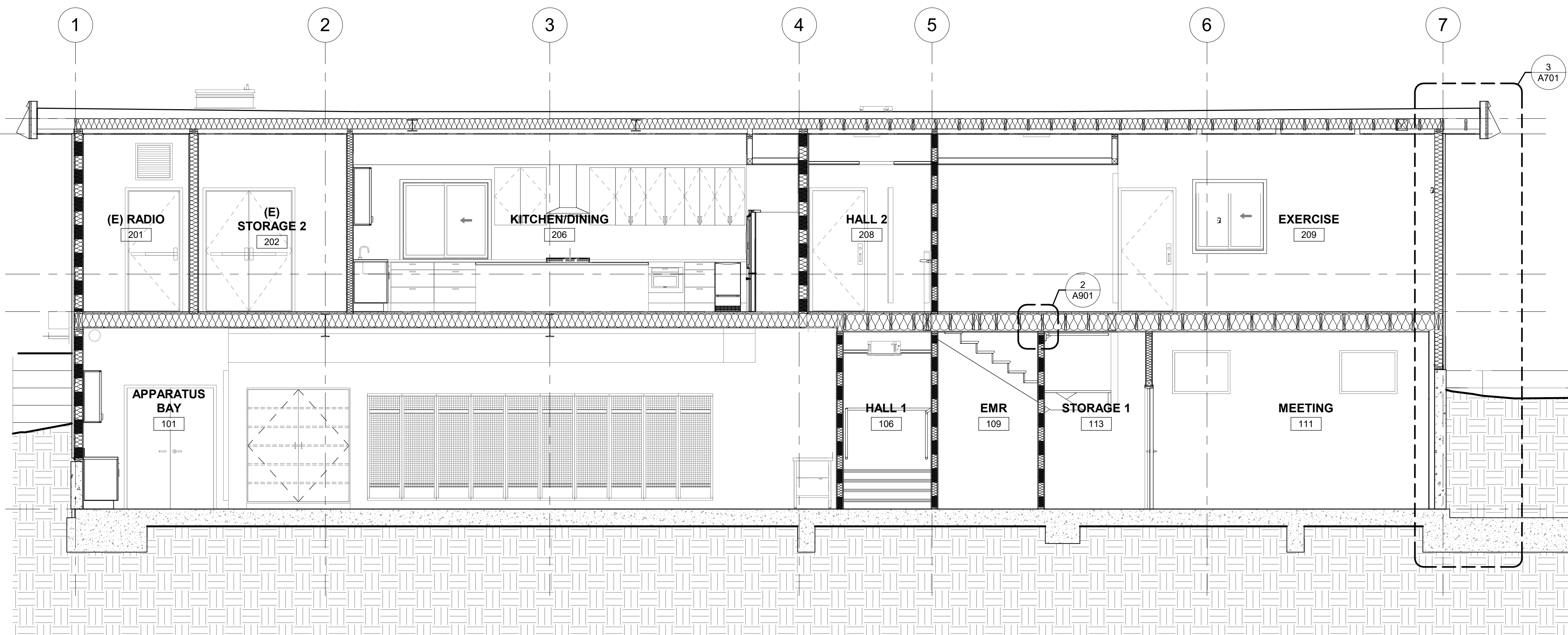
JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
BUILDING SECTIONS

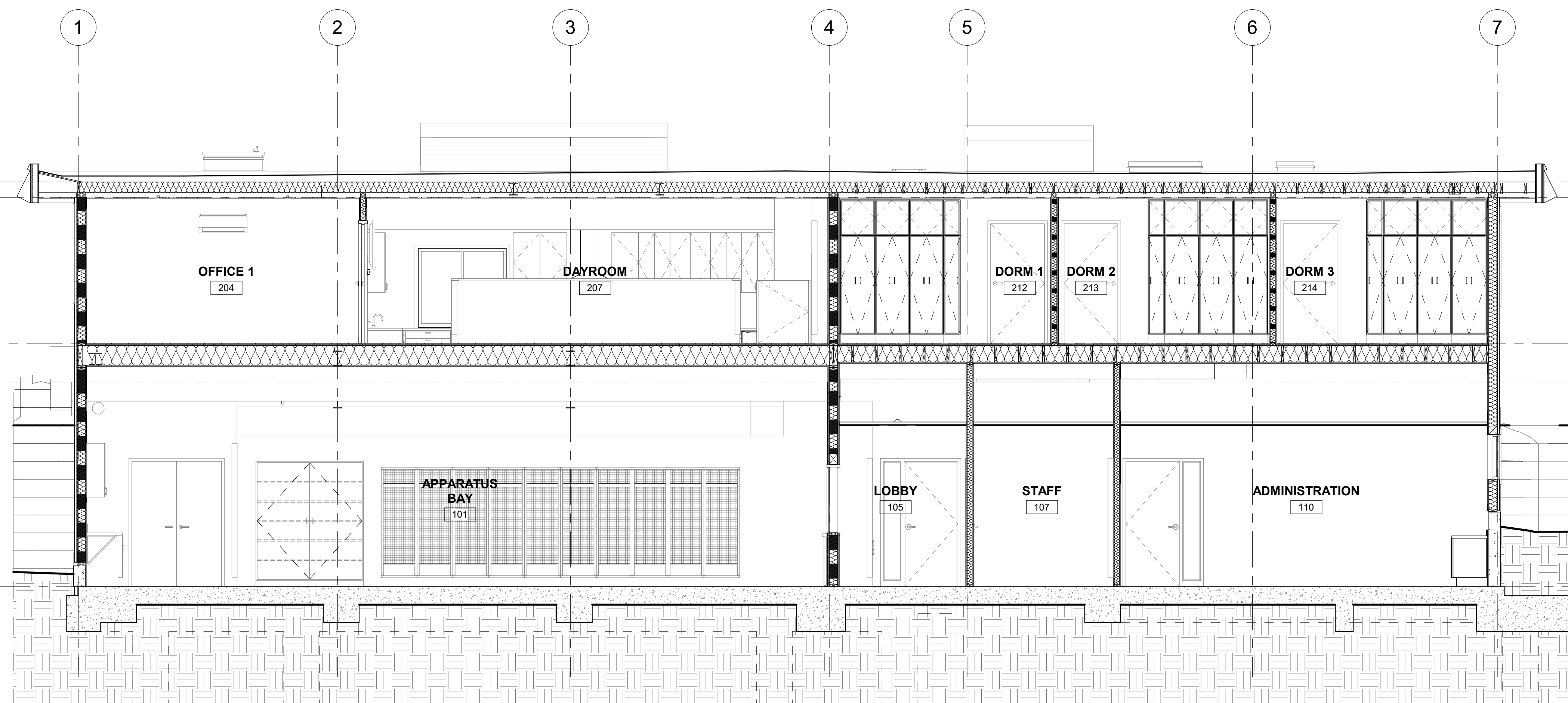


## A402

3/31/2022 4:58:02 PM



**2** BUILDING SECTION 4  
SCALE: 1/4" = 1'-0"



**1** BUILDING SECTION 3  
SCALE: 1/4" = 1'-0"

| DOOR SCHEDULE |                  |                  |        |             |      |          |              |             |          |                   |          |                   |         |        |           |  |
|---------------|------------------|------------------|--------|-------------|------|----------|--------------|-------------|----------|-------------------|----------|-------------------|---------|--------|-----------|--|
| DOOR NO.      | LOCATION         | PHASE CREATED    | HW SET | FIRE RATING | TYPE | SIZE     |              |             | DOOR     |                   | FRAME    |                   | DETAILS |        |           | REMARK   |
|               |                  |                  |        |             |      | WIDTH    | HEIGHT       | THICK       | MAT'L    | FINISH            | MAT'L    | FINISH            | HEAD    | JAMB   | THRESHOLD |  |
| 101A          | APPARATUS BAY    | New Construction |        | 20 MIN      | C    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | HM       | PAINTED           | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    | PROVIDE SMOKE GASKET   |
| 101B          | APPARATUS BAY    | New Construction |        |             | F    | 12' - 0" | 10' - 3"     | 0' - 0"     | METAL    | MNFR PAINT        | METAL    | MNFR PAINT        | 6/A802  | 1/A802 |           | CONFIRM MAXIMUM HEIGHT FOR DOOR OPENING + COILING ENCLOSURE  |
| 101C          | APPARATUS BAY    | New Construction |        |             | F    | 12' - 0" | 10' - 3"     | 0' - 0"     | METAL    | MNFR PAINT        | METAL    | MNFR PAINT        | 6/A802  | 1/A802 |           | CONFIRM MAXIMUM HEIGHT FOR DOOR OPENING + COILING ENCLOSURE  |
| 101D          | APPARATUS BAY    | New Construction |        |             | F    | 12' - 0" | 10' - 3"     | 0' - 0"     | METAL    | MNFR PAINT        | METAL    | MNFR PAINT        | 6/A802  | 1/A802 |           | CONFIRM MAXIMUM HEIGHT FOR DOOR OPENING + COILING ENCLOSURE  |
| 101E          | APPARATUS BAY    | New Construction |        | 20 MIN      | A    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | HM       | PAINTED           | HM       | PAINTED           | 6/A801  | 4/A801 | 5/A801    | NON-COMBUSTIBLE SOLID CORE EXTERIOR GRADE PER WUI REQUIREMENTS. PROVIDE LOUVER PER MECHANICAL DRAWINGS |
| 102A          | COMPRESSOR       | New Construction |        |             | D    | 5' - 0"  | 7' - 0"      | 0' - 1 3/4" | HM       | PAINTED           | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    |  |
| 105A          | LOBBY            | New Construction |        | 20 MIN      | F    | 3' - 0"  | 6' - 10 3/4" | 0' - 1 3/4" | ALUMINUM | DARK BRONZE ANOD. | ALUMINUM | DARK BRONZE ANOD. |         |        |           | PART OF STOREFRONT WINDOW SYSTEM. INSULATED, LOW-E, TEMPERED SAFETY GLAZING AT LITE                    |
| 106A          | HALL 1           | New Construction |        | 20 MIN      | C    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    |  |
| 107A          | STAFF            | New Construction |        |             | C    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 5/A903  | 6/A903 |           |  |
| 109A          | EMR              | New Construction |        | 20 MIN      | A    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    |  |
| 110A          | ADMINISTRATION   | New Construction |        |             | C    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 5/A903  | 6/A903 |           |  |
| 111A          | MEETING/E.O.C.   | New Construction |        |             | C    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 5/A903  | 6/A903 |           |  |
| 112A          | RESTROOM         | New Construction |        |             | A    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 5/A903  | 6/A903 |           |  |
| 113A          | STORAGE          | New Construction |        |             | D    | 6' - 0"  | 7' - 0"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 5/A903  | 6/A903 |           |  |
| 201A          | (E) RADIO        | Existing         |        | 20 MIN      | A    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | HM       | PAINTED           | HM       | PAINTED           | 6/A801  | 4/A801 | 5/A801    |  |
| 202A          | (E) STORAGE      | Existing         |        | 20 MIN      | D    | 5' - 0"  | 7' - 0"      | 0' - 1 3/4" | HM       | PAINTED           | HM       | PAINTED           | 6/A801  | 4/A801 | 5/A801    |  |
| 202B          | (E) STORAGE      | Existing         |        |             |      | 3' - 0"  | 11' - 0 5/8" |             |          |                   |          |                   |         |        |           | ROOF HATCH   |
| 203A          | (E) IT/TELEC     | Existing         |        |             |      | 0' - 0"  | 0' - 0"      |             |          |                   |          |                   |         |        |           | REMOVE DOOR AT (E) OPENING. LEAVE HM FRAME   |
| 204A          | OFFICE 1         | New Construction |        |             | C    | 3' - 0"  | 6' - 8"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 5/A903  | 6/A903 |           |  |
| 205A          | CAPTAIN'S OFFICE | New Construction |        |             | C    | 3' - 0"  | 6' - 8"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 5/A903  | 6/A903 |           |  |
| 208A          | HALL 2           | New Construction |        | 20 MIN      | A    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | HM       | PAINTED           | HM       | PAINTED           | 6/A801  | 4/A801 | 5/A801    |  |
| 209A          | EXERCISE         | New Construction |        | 20 MIN      | A    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | HM       | PAINTED           | HM       | PAINTED           | 6/A801  | 4/A801 | 5/A801    |  |
| 209B          | EXERCISE         | New Construction |        |             | B    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 5/A903  | 6/A903 |           |  |
| 211A          | HALL 3           | New Construction |        | 20 MIN      | C    | 3' - 0"  | 6' - 8"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    |  |
| 212A          | DORM 2           | New Construction |        | 20 MIN      | A    | 3' - 0"  | 6' - 8"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    |  |
| 213A          | DORM 2           | New Construction |        | 20 MIN      | A    | 3' - 0"  | 6' - 8"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    |  |
| 214A          | DORM 3           | New Construction |        | 20 MIN      | A    | 3' - 0"  | 6' - 8"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    |  |
| 215A          | BATH 1           | New Construction |        | 20 MIN      | A    | 3' - 0"  | 6' - 8"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    |  |
| 216A          | BATH 2           | New Construction |        | 20 MIN      | A    | 3' - 0"  | 6' - 8"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    |  |
| 217A          | LAUNDRY          | New Construction |        | 20 MIN      | A    | 3' - 0"  | 6' - 8"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 7/A903  | 8/A903 | 7/A903    | LOUVERED   |
| 218A          | STORAGE          | New Construction |        |             | A    | 3' - 0"  | 7' - 0"      | 0' - 1 3/4" | WOOD     | CLEAR COAT        | HM       | PAINTED           | 5/A903  | 6/A903 |           |  |

DOOR TYPICAL NOTES

- SQUARE PROFILE FOR ALL GLAZING STOPS. NO OGEE OR CURVED PROFILES. IF GLAZED FROM EXTERIOR SIDE, GLAZING STOPS TO BE SLOPED MIN. 1/4" PER FT TO SHED WATER.
- ALL GLASS TO BE TEMPERED.
- ALL SIZES ARE FOR APPROXIMATE FOR PRICING. GC TO CONFIRM ACTUAL SIZE AND ROUGH OPENING PRIOR TO PLACING ORDER OR FABRICATION.
- NOTE RAIL AND STILE DIMENSIONS, AND FABRICATE ACCORDINGLY.
- CONFIRM BACKSET DIMENSIONS OF LEVERSETS AND LOCKSETS BEFORE CROSS BORING.
- 5/16" MAX UNDERCUT @ DOOR BOTTOMS. UNDERCUT ONLY AT CARPETED AREAS. UNDERCUT DOORS ARE IDENTIFIED IN DOOR SCHEDULE.

MARJANG ARCHITECTURE

STAMP

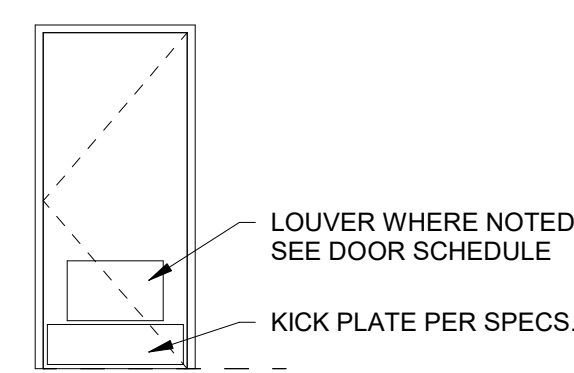


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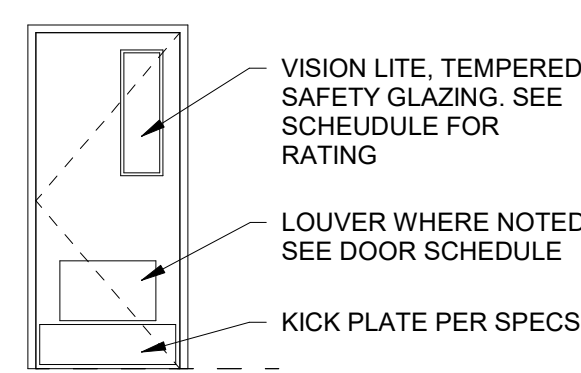
217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

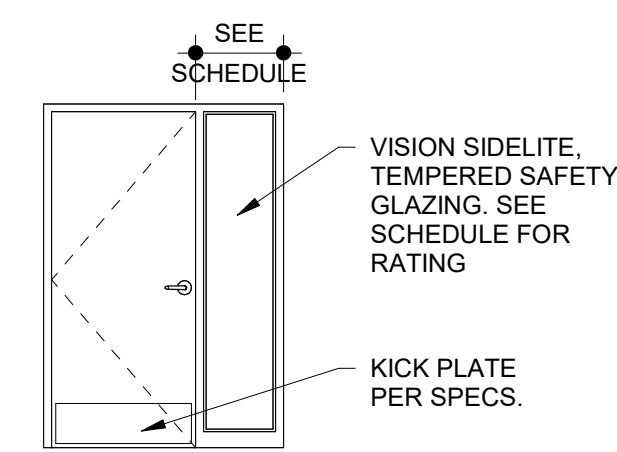
- CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
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CONTACT: BILL HANSELL  
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- ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600
- STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869
- CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200
- GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544
- MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 95940  
CONTACT: RON BLUE  
T: (831) 373-4390
- AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140
- ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626



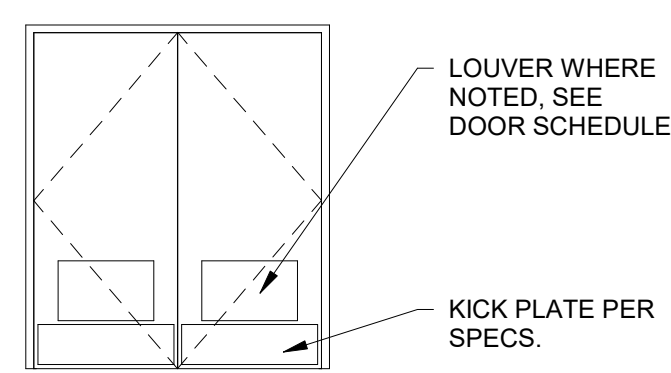
TYPE A  
SINGLE FLUSH



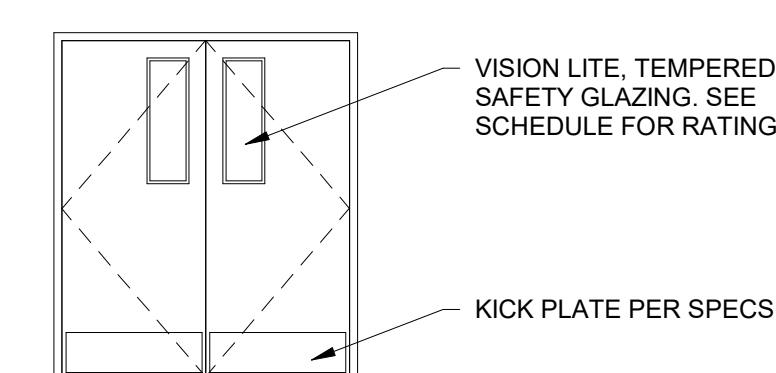
TYPE B  
SINGLE FLUSH W/ VISION LITE



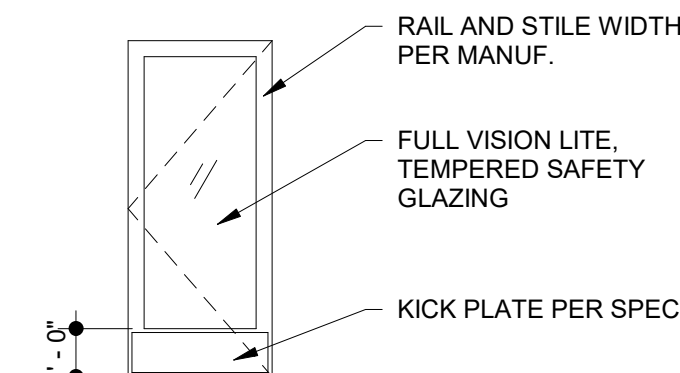
TYPE C  
SINGLE FLUSH W/ VISION SIDELITE



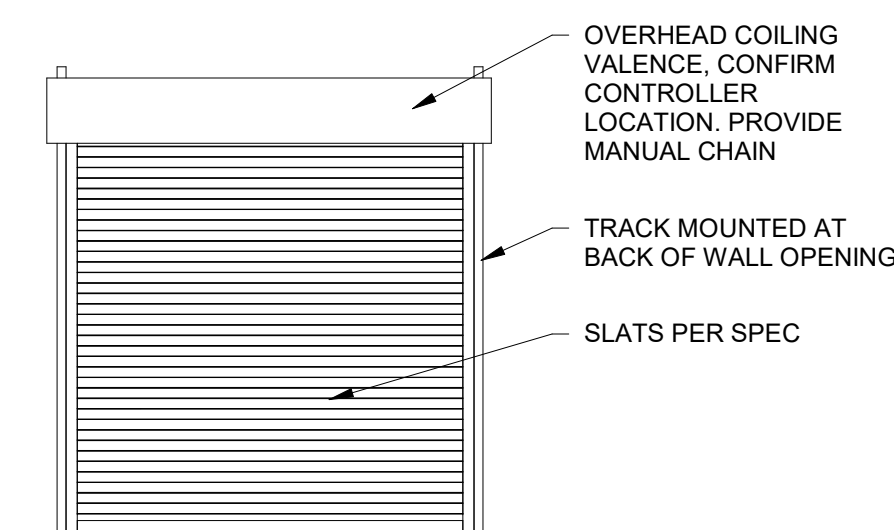
TYPE D  
DOUBLE FLUSH



TYPE E  
DOUBLE FLUSH W/ VISION LITE



TYPE F  
STOREFRONT RAIL & STILE SINGLE FULL LITE

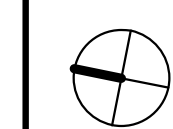


TYPE G  
OVERHEAD COILING ROLL-UP DOOR

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
DOOR SCHEDULE



A501

DOOR SCHEDULE  
SCALE: 1/4" = 1'-0"

| WINDOW SCHEDULE            |                  |          |                                       |         |           |                    |           |                            |         |                    |          |  |
|----------------------------|------------------|----------|---------------------------------------|---------|-----------|--------------------|-----------|----------------------------|---------|--------------------|----------|--|
| WT                         | LOCATION         | TYPE     | CONSTRUCTION TYPE                     | OPENING |           | FINISH             | MATERIALS |                            | GLAZING | TRIM               | U-FACTOR | COMMENTS   |
|                            |                  |          |                                       | WIDTH   | HEIGHT    |                    |           |                            |         |                    |          |  |
| 104                        | LOBBY            | INTERIOR | WINDOW - HM FRAME W_SINGLE_PANE_10789 | 4'-8"   | 3'-8"     | PAINTED HM         |           | TEMPERED                   |         | NONE               |          | 1-HR RATED FRAME AND GLAZING ASSEMBLY                |
| 105                        | LOBBY            | INTERIOR | WINDOW - HM FRAME W_SINGLE_PANE_10789 | 5'-8"   | 3'-8"     | PAINTED HM         |           | TEMPERED                   |         | NONE               |          |  |
| 106                        | STAFF            | EXTERIOR | Window-Casement-Upper Lite-Trim       | 2'-0"   | 6'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          | REPLACE EXISTING IN-KIND                             |
| 107                        | ADMINISTRATION   | EXTERIOR | Window-Casement-Upper Lite-Trim       | 2'-0"   | 6'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          | REPLACE EXISTING IN-KIND                             |
| 108                        | ADMINISTRATION   | EXTERIOR | Window-Casement-Upper Lite-Trim       | 2'-0"   | 6'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          | REPLACE EXISTING IN-KIND                             |
| 109                        | ADMINISTRATION   | EXTERIOR | Window-Casement-Upper Lite-Trim       | 2'-0"   | 6'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          | REPLACE EXISTING IN-KIND                             |
| 110                        | ADMINISTRATION   | EXTERIOR | Window-Fixed-Trim                     | 3'-6"   | 2'-6"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          | (N) WINDOW LOCATION, SEE PLAN AND ELEVATION          |
| 111                        | ADMINISTRATION   | EXTERIOR | Window-Fixed-Trim                     | 3'-6"   | 2'-6"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          | REPLACE EXISTING IN-KIND                             |
| 112                        | MEETING          | EXTERIOR | Window-Fixed                          | 3'-4"   | 2'-6"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | REPAIR AS REQUIRED |          | REPLACE EXISTING IN-KIND                             |
| 113                        | MEETING          | EXTERIOR | Window-Fixed                          | 3'-4"   | 2'-6"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | REPAIR AS REQUIRED |          | REPLACE EXISTING IN-KIND                             |
| 114                        | STAFF            | INTERIOR | WINDOW - HM FRAME W_SINGLE_PANE_10789 | 5'-8"   | 3'-8"     | PAINTED HM         |           | TEMPERED                   |         | NONE               |          |  |
| 201                        | OFFICE 1         | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 202                        | CAPTAIN'S OFFICE | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 203                        | CAPTAIN'S OFFICE | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 204                        | CAPTAIN'S OFFICE | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 205                        | DAYROOM          | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 206                        | DAYROOM          | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 207                        | DAYROOM          | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 208                        | DAYROOM          | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 209                        | DORM 1           | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 210                        | DORM 2           | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 211                        | DORM 3           | EXTERIOR | Window-Casement-Trim                  | 2'-6"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |
| 212                        | DORM 3           | EXTERIOR | Window-Casement-Trim                  | 2'-0"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          | REPLACE EXISTING IN-KIND                             |
| 214                        | LAUNDRY          | EXTERIOR | Window-Casement-Trim                  | 2'-0"   | 5'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          | REPLACE EXISTING IN-KIND                             |
| 215                        | EXERCISE         | EXTERIOR | Window-Sliding-Double                 | 4'-0"   | 4'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          | REPLACE EXISTING IN-KIND                             |
| 217                        | KITCHEN/DINING   | EXTERIOR | Window-Sliding-Double                 | 5'-0"   | 4'-6"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          | (N) WINDOW SIZE AND LOCATION, SEE PLAN AND ELEVATION |
| L01                        | (E) RADIO        | EXTERIOR | Window-Louvers                        | 2'-0"   | 2'-0"     | PAINTED ALUM.      |           |                            |         | MATCH (E)          |          | REPLACE EXISTING IN-KIND                             |
| R01                        | KITCHEN/DINING   | EXTERIOR | Window-Fixed                          | 7'-10"  | 1'-6"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | NONE               |          | REPLACE EXISTING IN-KIND                             |
| R02                        | KITCHEN/DINING   | EXTERIOR | Window-Fixed                          | 7'-10"  | 1'-6"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | NONE               |          | REPLACE EXISTING IN-KIND                             |
| SL1                        | HALL 3           | EXTERIOR | Skylight                              | 4'-0"   | 3'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         |                    |          | CURB MOUNTED FIXED                                   |
| SL2                        | DORM 1           | EXTERIOR | Skylight                              | 2'-0"   | 2'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         |                    |          | CURB MOUNTED MOTORIZED                               |
| SL3                        | DORM 2           | EXTERIOR | Skylight                              | 2'-0"   | 2'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         |                    |          | CURB MOUNTED MOTORIZED                               |
| SL4                        | DORM 3           | EXTERIOR | Skylight                              | 2'-0"   | 2'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         |                    |          | CURB MOUNTED MOTORIZED                               |
| SL5                        | LAUNDRY          | EXTERIOR | Skylight                              | 2'-0"   | 2'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         |                    |          | CURB MOUNTED MOTORIZED                               |
| SL6                        | ADA BATH         | EXTERIOR | Skylight                              | 2'-0"   | 2'-0"     | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         |                    |          | CURB MOUNTED MOTORIZED                               |
| STOREFRONT WINDOW SCHEDULE |                  |          |                                       |         |           |                    |           |                            |         |                    |          |  |
| 101                        | LOBBY            | EXTERIOR | STOREFRONT WINDOW WALL SYSTEM         | 6'-8"   | 9'-6" VIF | BRONZE ANOD. ALUM. |           | TEMPERED, INSULATED, LOW-E |         | MATCH (E)          |          |  |

**WINDOW TYPICAL NOTES**

1. ALL GLASS TO BE LOW-E, INSULATED, TEMPERED SAFETY GLAZING W/ BUG VISIBLE.
2. ALL WINDOWS HAVE MANUFACTURER'S U-FACTOR LISTING (T24 CALCULATION SHOW ENERGY COMPLIANCE OVER MINIMUM 0.40 REQUIRED).
3. ALL SIZES ARE APPROXIMATE FOR PRICING, GC TO CONFIRM ACTUAL SIZE AND ROUGH OPENING PRIOR TO PLACING ORDER OR FABRICATION.

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

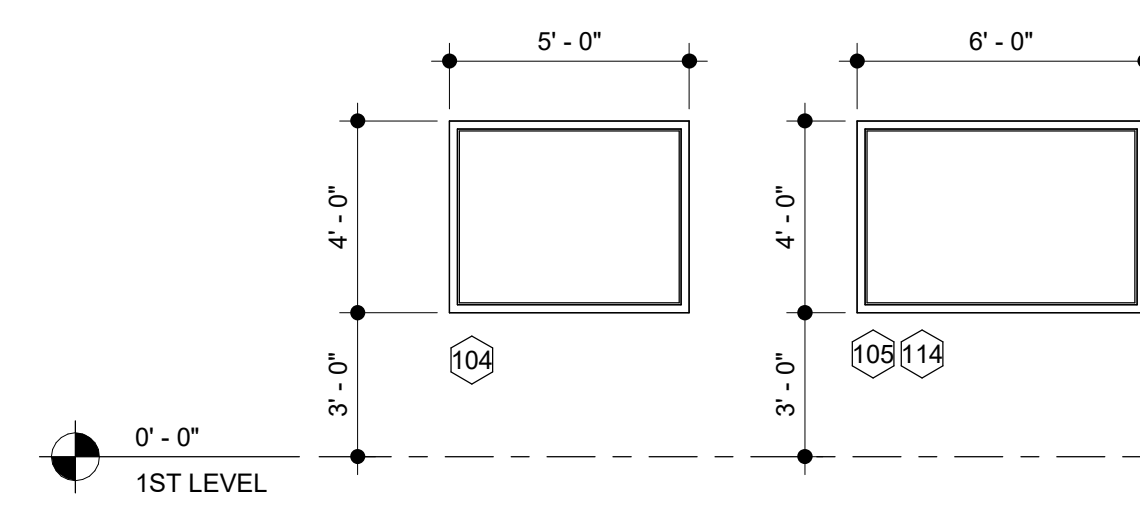
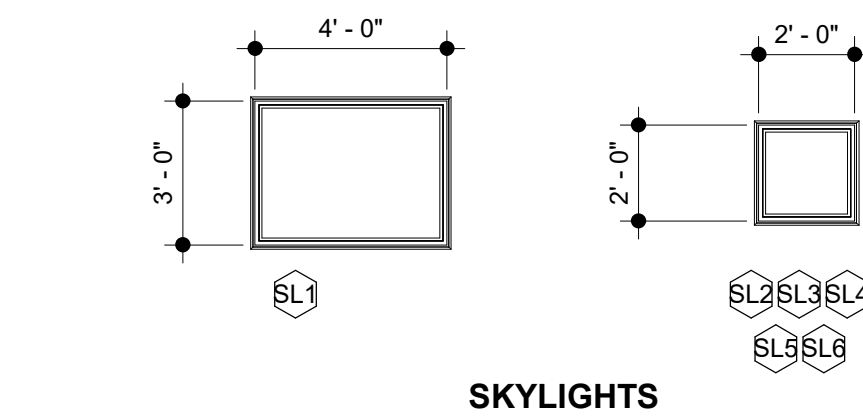
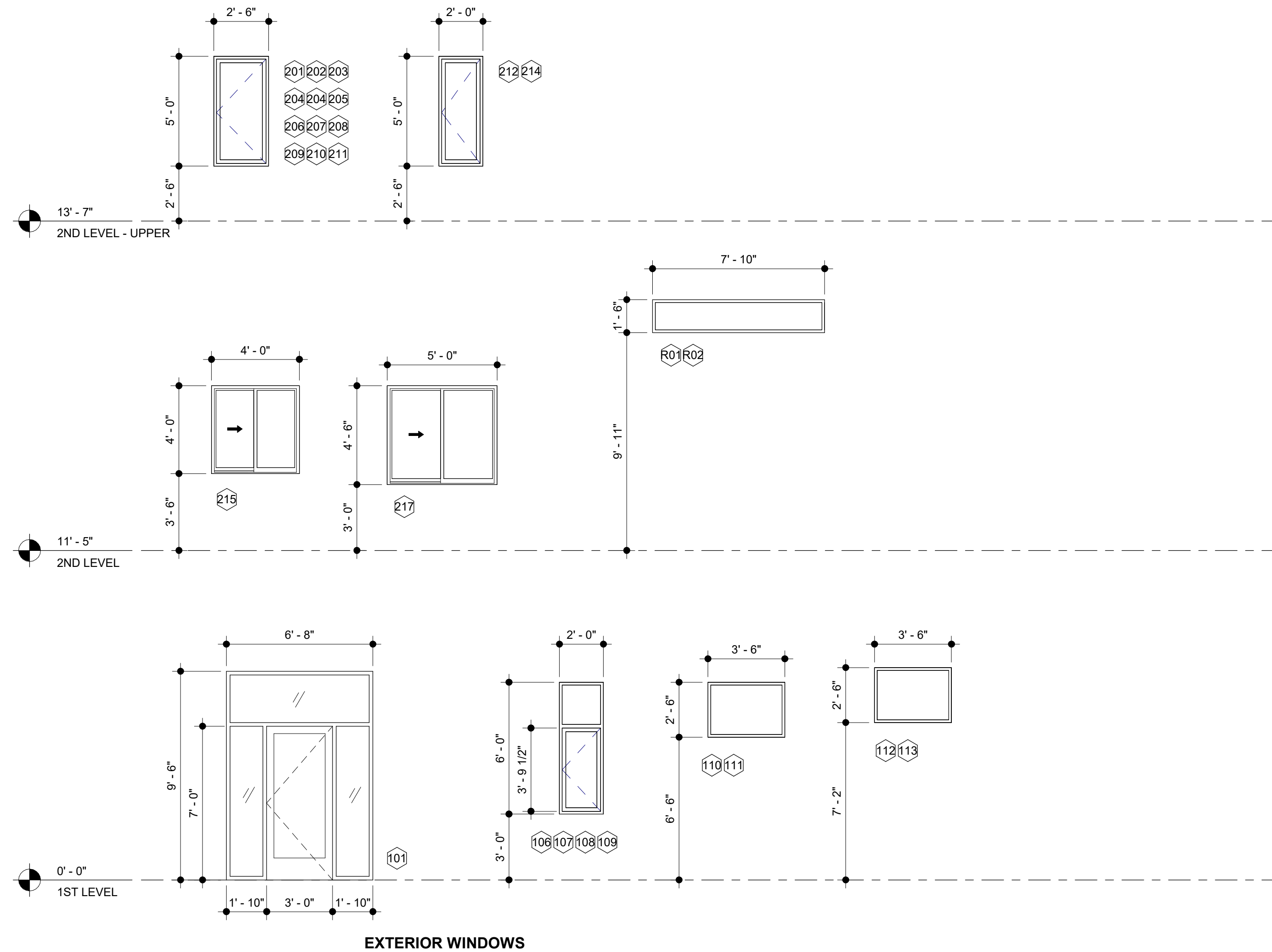
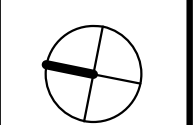
PROJECT TEAM

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351 8TH STREET  
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850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION WINDOW SCHEDULE



| FINISH SCHEDULE |                  |              |                  |             |                  |                          |
|-----------------|------------------|--------------|------------------|-------------|------------------|--------------------------|
| ROOM NO.        | NAME             | FLOOR FINISH | WALL FINISH      | BASE FINISH | CEILING FINISH   | COMMENTS                 |
| 101             | APPARATUS BAY    | SC-1         | GB-2, P-2, PH-1  | CB-1        | GB-2, P-2        | PH-1: 8'-0" H WALL PANEL |
| 102             | COMPRESSOR       | SC-1         | GB-2, P-2, PH-1  | CB-1        | GB-2, P-2        | PH-1: 8'-0" H WALL PANEL |
| 105             | LOBBY            | PC-1         | GB-1, P-1, FRL-1 | RB-1        | ACT-1            | FRL-1: 3'-0" H WAINSCOAT |
| 106             | HALL 1           | PC-1         | GB-1, P-1, FRL-1 | RB-1        | ACT-1            | FRL-1: 3'-0" H WAINSCOAT |
| 107             | STAFF            | CP-2         | GB-1, P-1        | RB-1        | ACT-1            |                          |
| 108             | ELEVATOR         | SC-1         | GB-1             | N/A         | GB-1             |                          |
| 109             | EMR              | PC-1         | GB-1, P-1        | RB-1        | GB-1, P-1        |                          |
| 110             | ADMINISTRATION   | CP-2         | GB-1, P-1, TS-1  | RB-1        | ACT-1            |                          |
| 111             | MEETING          | CP-2         | GB-1, P-1, TS-1  | RB-1        | ACT-1, GB-1, P-1 |                          |
| 112             | RESTROOM         | TL-3         | TL-1             | TL-1 COVED  | GB-2, P-2        |                          |
| 113             | STORAGE 1        | CP-2         | GB-1, P-1        | RB-1        | GB-1, P-1        |                          |
| 201             | (E) RADIO        | SDT-1        | GB-1, P-2        | RB-1        | GB-1, P-2        |                          |
| 202             | (E) STORAGE 2    | SDT-1        | GB-1, P-2, FRL-1 | RB-1        | GB-1, P-2        | FRL-1: 3'-0" H WAINSCOAT |
| 203             | (E) IT/ELEC      | SDT-1        | GB-1, P-2        | RB-1        | GB-1, P-2        |                          |
| 204             | OFFICE 1         | CP-1         | GB-1, P-1, TS-1  | RB-1        | GB-1, P-1        |                          |
| 205             | CAPTAIN'S OFFICE | CP-1         | GB-1, P-1, TS-1  | RB-1        | GB-1, P-1        |                          |
| 206             | KITCHEN/DINING   | RF-1         | GB-2, P-2        | RB-1        | GB-2, P-2        |                          |
| 207             | DAYROOM          | CP-1         | GB-1, P-1        | RB-1        | GB-1, P-1        |                          |
| 208             | HALL 2           | RF-1         | GB-1, P-2, FRL-1 | RB-1        | ACT-1, GB-1, P-2 | FRL-1: 3'-0" H WAINSCOAT |
| 209             | EXERCISE         | RR-1         | GB-2, P-2, M-1   | RB-1        | ACT-1, GB-1, P-2 |                          |
| 210             | ELEVATOR         |              | GB-1             |             | GB-1             |                          |
| 211             | HALL 3           | CP-1         | GB-1, P-2, FRL-1 | RB-1        | GB-1, P-2        | FRL-1: 3'-0" H WAINSCOAT |
| 212             | DORM 1           | CP-1         | GB-1, P-1        | RB-1        | GB-1, P-1        |                          |
| 213             | DORM 2           | CP-1         | GB-1, P-1        | RB-1        | GB-1, P-1        |                          |
| 214             | DORM 3           | CP-1         | GB-1, P-1        | RB-1        | GB-1, P-1        |                          |
| 215             | LAUNDRY          | TL-3         | GB-2, P-2        | RB-1        | GB-2, P-2        |                          |
| 216             | ADA BATH 2       | TL-3         | TL-1, TL-2       | TL-1 COVED  | GB-2, P-2        |                          |
| 217             | BATH 1           | RF-1         | TL-1, TL-2       | TL-1 COVED  | GB-2, P-2        |                          |
| 218             | STORAGE 3        | RF-1         | GB-1, P-2        | RB-1        | GB-1, P-2        |                          |

**INTERIOR FINISH MATERIALS:**

**FLOOR**

- PC-1 DENSIFIED POLISHED SEALED CONCRETE  
SPECIFICATION: 03 35 11  
MFR: ADVANCED FLOOR PRODUCTS  
SYSTEM: THE RETROPLATE SYSTEM  
SEE SPECIFICATIONS
- SC-1 SEALED CONCRETE  
SPECIFICATION: 03 35 11  
MFR: ADVANCED FLOOR PRODUCTS  
SYSTEM: RETROPEL  
SEE SPECIFICATION
- SDT-1 STATIC DISSIPATIVE TILE - 1/8"  
MFR: ROPPE  
TYPE: ESD CONTROL  
SIZE: 24" X 24"  
COLOR: TBD
- RR-1 RESILIENT ATHLETIC FLOORING  
SPECIFICATION: 09 65 00  
MFR: ROPPE  
TYPE: RECOIL FITNESS FLOORING  
SIZE: 36" X 36" X 1/2"  
COLOR: TBD
- RF-1 RESILIENT FLOORING  
SPECIFICATION: 09 65 00  
MFR: PARTERRE  
TYPE: INGRAINED LUXURY VINYL PLANK  
SIZE: 6" X 36" X 3MM  
COLOR: EXOTIC WALNUT
- RF-2 RESILIENT FLOORING STAIR TREAD & RISER  
SPECIFICATION: 09 65 00  
MFR: ROPPE  
TYPE: RUBBER RAISED TREAD, HEAVY DUTY,  
ABRASIVE CONTRASTING STRIP,  
WITH RISER  
NOSE: SQUARE  
SIZE: VIF  
COLOR: TBD
- CP-1 CARPET TILE  
SPECIFICATION: 09 68 00  
MFR: SHAW  
TYPE: PATCRAFT ARTEFACT  
SIZE: PLANK  
COLOR: TBD  
INSTALLATION: ASHLAR
- CP-2 CARPET TILE  
SPECIFICATION: 09 68 00  
MFR: TBD  
SIZE:  
COLOR:  
INSTALLATION:
- TL-3 PORCELAIN TILE FLOORING  
SPECIFICATION: 09 30 00  
MFR: TBD  
SIZE:  
COLOR:  
INSTALLATION:

**WALL**

- GB-1 GYPSUM BOARD  
SPECIFICATION: 09 29 00.A  
FINISH: LEVEL 5
- GB-2 GYPSUM BOARD - MOISTURE RESISTANT  
SPECIFICATION: 09 29 00  
FINISH: LEVEL 5
- P-1 INTERIOR PAINT - LOW VOC  
SPECIFICATION: 09 91 23  
MFR: FINISH: EGG SHELL  
COLOR: TBD
- P-2 INTERIOR PAINT - LOW VOC  
SPECIFICATION: 09 91 23  
MFR: FINISH: SEMI-GLOSS  
COLOR: TBD
- P-3 INTERIOR PAINT METAL COATING - LOW VOC  
STANDARD PERFORMANCE ON SHOP PRIMED  
METAL  
SPECIFICATION: 09 91 23  
MFR: FINISH: SEMI-GLOSS (METAL COATING)  
COLOR: TBD
- P-4 INTERIOR PAINT METAL COATING - LOW VOC  
PREMIUM PERFORMANCE ON SHOP PRIMED  
EXPOSED STRUCTURAL STEEL  
SPECIFICATION: 09 91 23  
MFR: FINISH: SEMI-GLOSS (METAL COATING)  
COLOR: TBD
- TL-1 PORCELAIN WALL TILE:  
SPECIFICATION: 09 30 00.A  
MFR: TBD  
SERIES:  
SIZE:  
TRIM: BULLNOSE & OTHER WHERE REQUIRED  
COLOR: TBD
- TL-2 PORCELAIN WALL TILE:  
SPECIFICATION: 09 30 00.A  
MFR: TBD  
SERIES:  
SIZE:  
TRIM: BULLNOSE & OTHERS WHERE REQUIRED  
COLOR: TBD
- PH-1 THICK PHENOLIC CORE LAMINATE PANELS  
SPECIFICATION: 09 77 10.A  
MFR: NEVAMAR THICKLAM  
TYPE: CLASS A  
FINISH: HPL SILVERLINE HAUTE  
PANEL SIZE: 4'-0" X 8'-0" X .18"
- FRL-1 FIBER REINFORCED LAMINATE PANELS  
SPECIFICATION: 09 77 10.B  
MFR: NEVAMAR FRL  
TYPE: CLASS A  
FINISH: TBD  
PANEL SIZE: 3'-0" X 8'-0" X .125" THK

**BASE**

- RB-1 RESILIENT BASE  
SPECIFICATION: 09 65 00.C  
MFR: TARKETT  
STYLE: WALL BASE  
COLOR:  
HEIGHT:
- RB-2 RESILIENT BASE - COVED  
SPECIFICATION: 09 65 00.C  
MFR: TARKETT  
STYLE:  
COLOR:  
HEIGHT:
- CB-1 CONCRETE CURB  
SPECIFICATION: 03 00 00.B  
SEALED  
SEE SPECIFICATION

**CEILING**

- GB-1 GYPSUM BOARD CEILING  
SPECIFICATION: 09 29 00.A  
FINISH: LEVEL 5
- GB-2 GYPSUM BOARD - MOISTURE RESISTANT  
SPECIFICATION: 09 29 00  
FINISH: LEVEL 5
- ACT-1 ACOUSTIC CEILING TILE  
SPECIFICATION: 09 51 23  
MFR: ROCKFON  
SIZE: 2'-0" X 4'-0"  
EDGE: SQUARE TEGULAR  
COLOR: WHITE

**MISC.**

- BL-1 ROLL DOWN BLINDS  
SPECIFICATION: 12 21 23  
PRODUCT NAME:  
COLOR:
- TS-1 TACKABLE SURFACE  
SPECIFICATION: 10 11 00.B  
MFR:  
TYPE:  
SEE SPECIFICATION
- M-1 MIRROR  
SPECIFICATION: 08 83 00.A

**CASEWORK**

- CT-1 STAINLESS STEEL COUNTERTOP AND BACKSPLASH  
SPECIFICATION: 05 59 00  
SEE SPECIFICATION
- CT-2 HIGH PRESSURE PLASTIC LAMINATE CLAD COUNTERTOP  
SPECIFICATION: 12 36 23  
MFR: WILSONART  
TYPE: TRACELESS  
COLOR: TBD
- CT-3 BUTCHER BLOCK COUNTERTOPS  
SPECIFICATION: 12 36 19  
MFR: JOHN BOOS @ CO. OR EQUAL  
TYPE: HARD ROCK MAPLE W/ CLEAR SEALER  
SIZE: 3" THK
- HPL-1 CABINET FACE HIGH PRESSURE LAMINATE  
SPECIFICATION: 12 36 61  
MFR: WILSONART  
TYPE: TRACELESS  
COLOR: TBD  
EDGE BANDING: MATCH
- HPL-2 CABINET FACE HIGH PRESSURE LAMINATE  
SPECIFICATION: 12 36 61  
MFR: WILSONART  
TYPE: TRACELESS  
COLOR: TBD  
EDGE BANDING: MATCH
- HPL-3 CABINET FACE HIGH PRESSURE LAMINATE  
SPECIFICATION: 12 36 61  
MFR: WILSONART  
TYPE: TRACELESS  
COLOR: TBD  
EDGE BANDING: MATCH
- HPL-4 CABINET FACE HIGH PRESSURE LAMINATE  
SPECIFICATION: 12 36 61  
MFR: WILSONART  
TYPE: TRACELESS  
COLOR: TBD  
EDGE BANDING: MATCH
- ML-1 MELAMINE INTERIOR CABINET FACE  
MFR: TBD  
FINISH: COMMERCIAL GRADE MELAMINE (NON VOC)  
COLOR: TBD

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

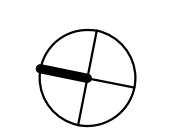
PROJECT TEAM

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| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 09/27/2021 |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT        | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
FINISH SCHEDULE



A503

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

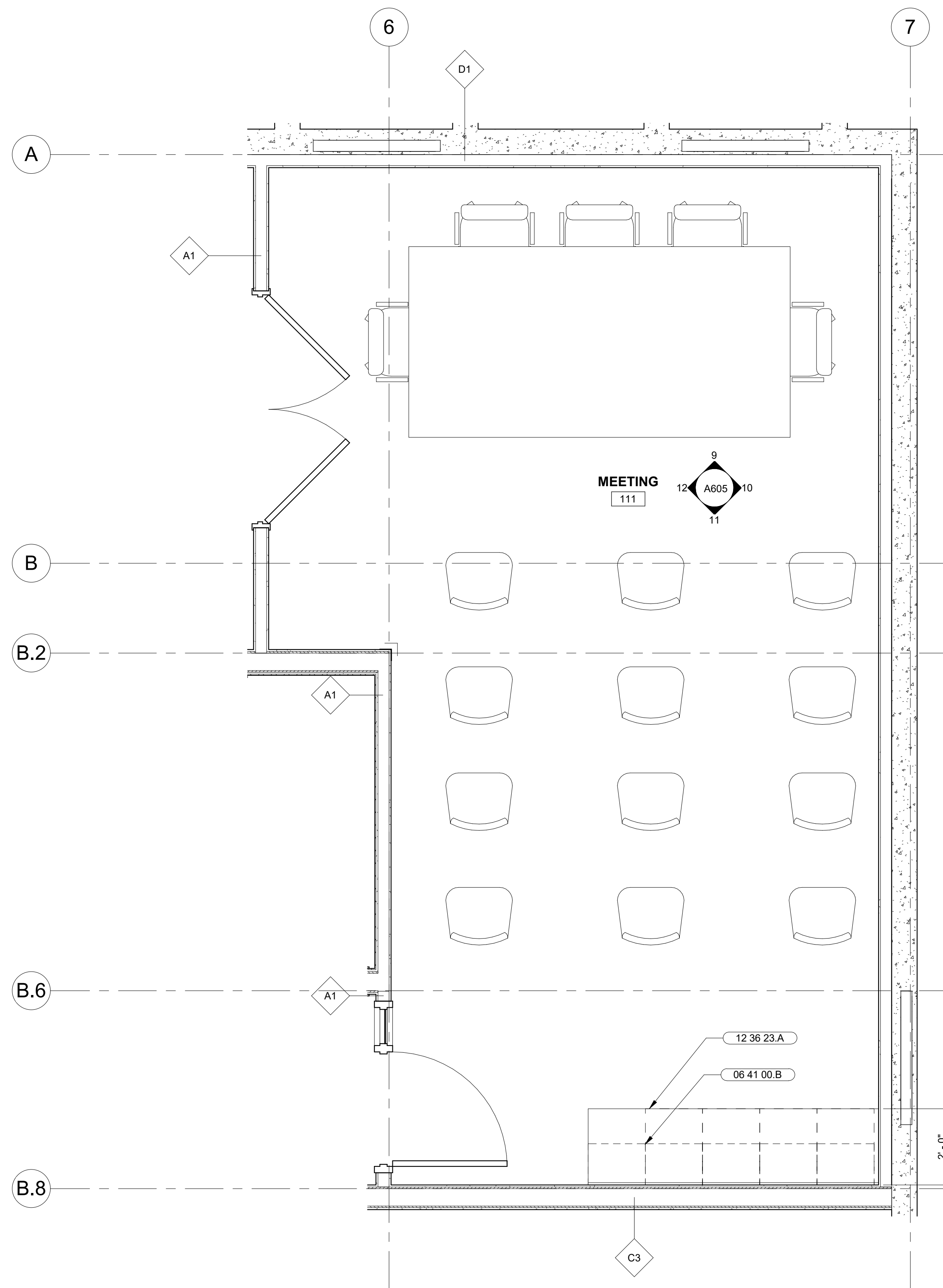
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**SHEET NOTES**

- ALL DIMENSIONS ARE TO FACE OF FINISH FOR REQUIRED CLEARANCES, U.O.N.
- ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.
- FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.
- PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAIL 3/A902.
- REFER TO APPLIANCE SCHEDULE FOR APPLIANCES. SEE A7XX
- CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.
- REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503
- VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.
- FFE SHOWN FOR REFERENCE, OFCI

**KEYNOTES**

- 06 41 00.B UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES
- 12 36 23.A PLASTIC LAMINATE COUNTERTOPS

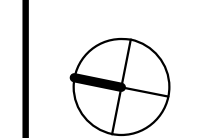


**1** MEETING 111 - ENLARGED PLAN  
SCALE: 1/2" = 1'-0"

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
|     |                            |            |
|     |                            |            |
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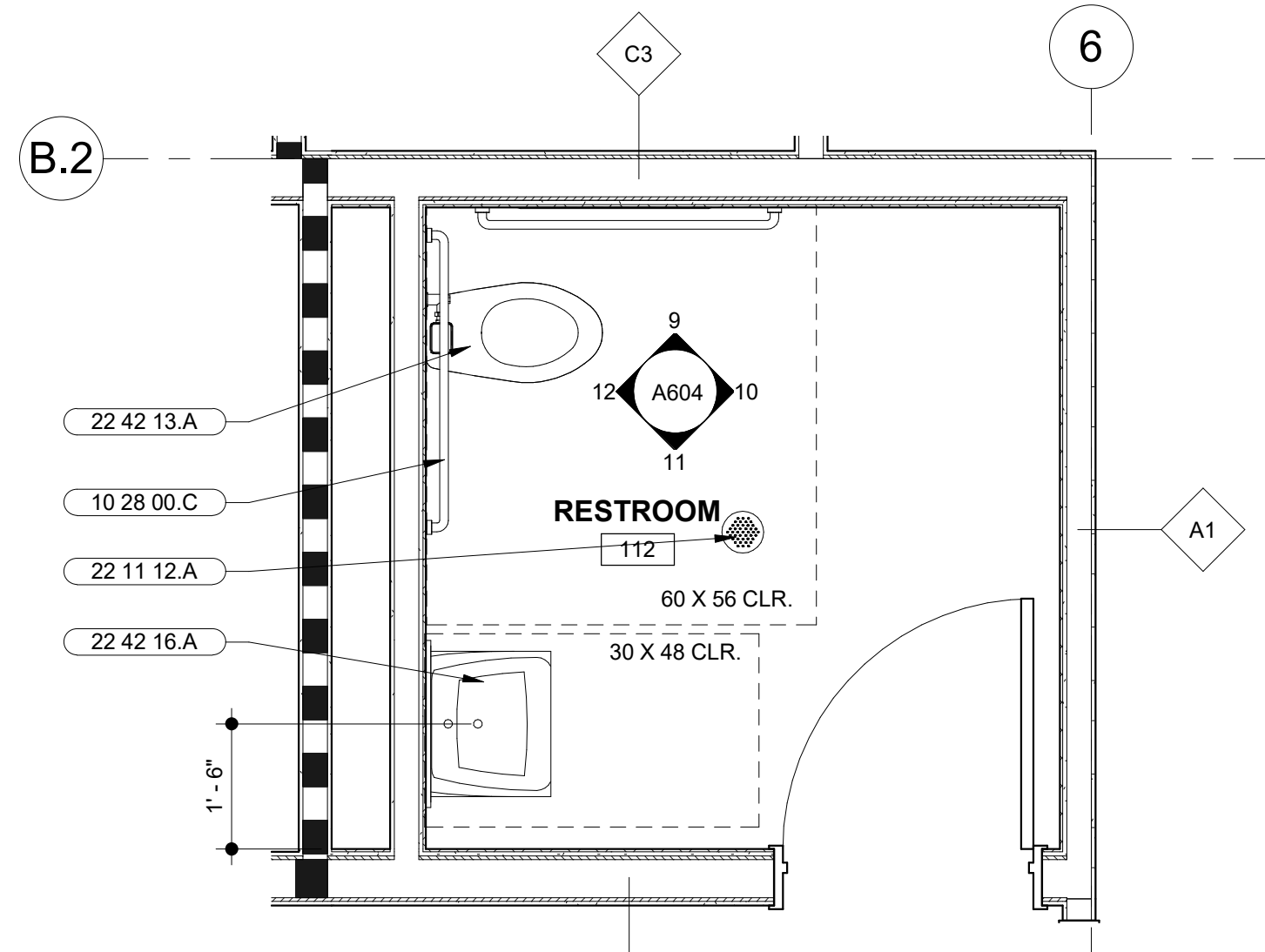
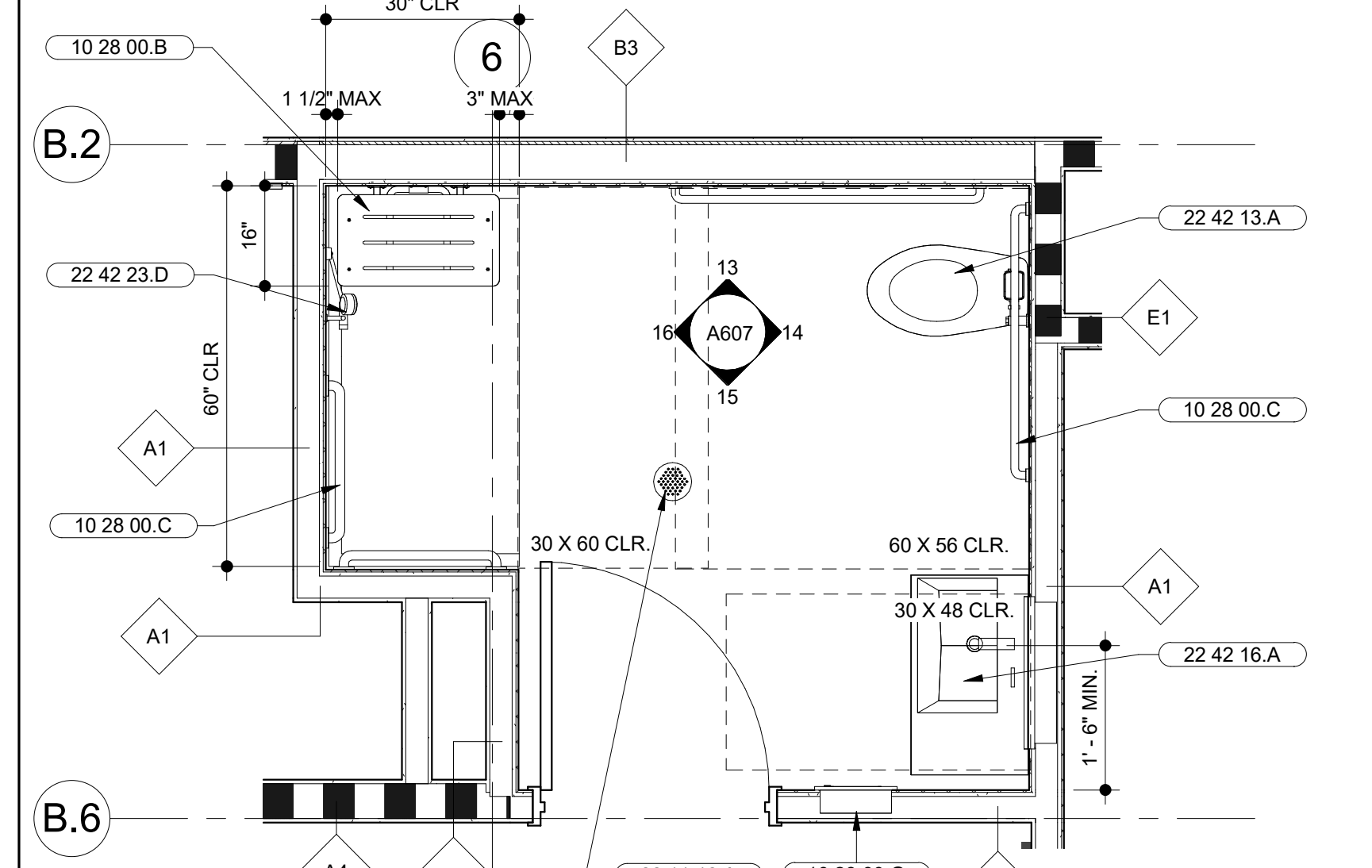
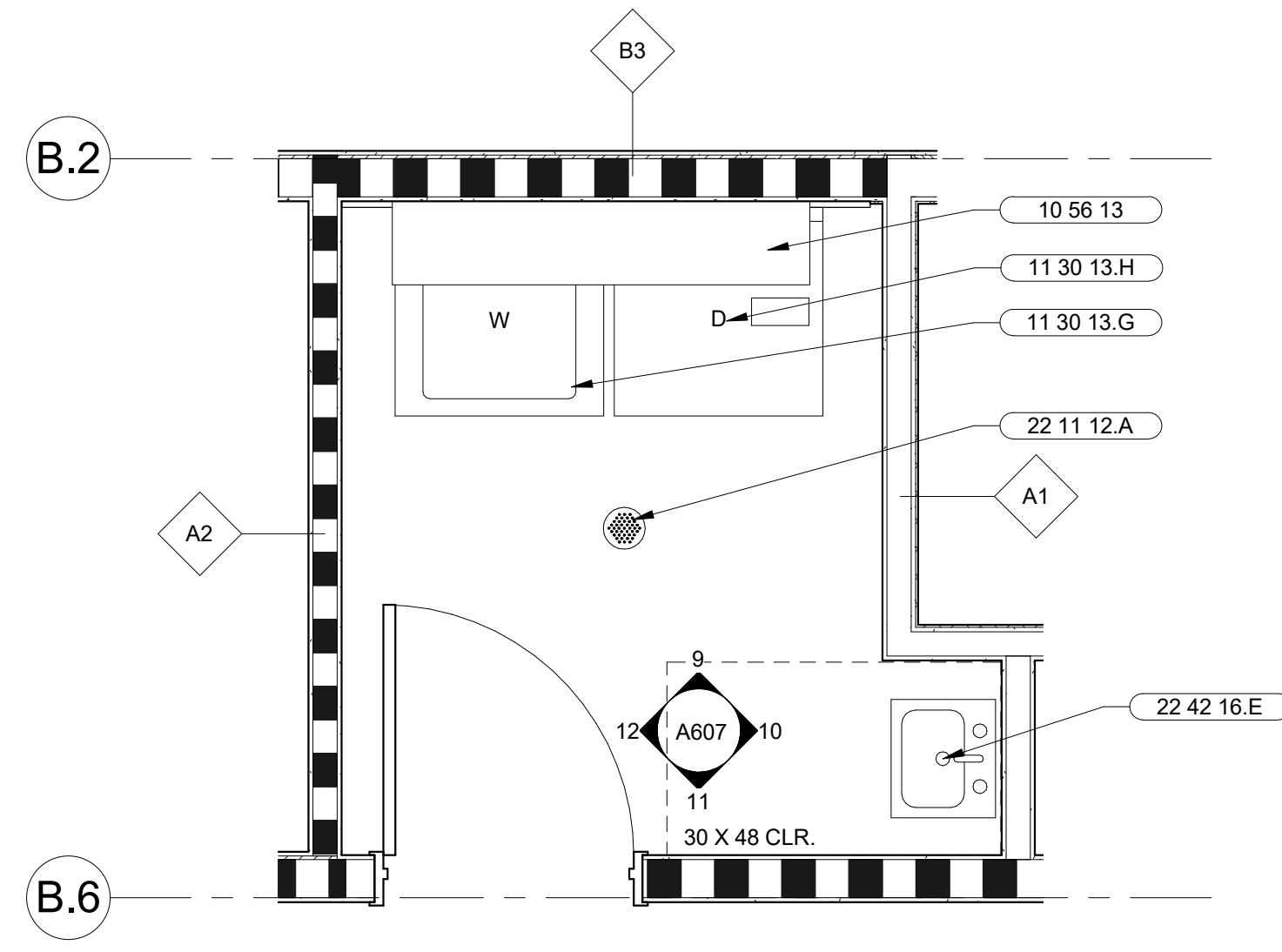
JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
ENLARGED PLAN & INTERIOR ELEVATIONS



# A601





**5** LAUNDRY 215 - ENLARGED FLOOR PLANS  
SCALE: 1/2" = 1'-0"

**4** BATH 2-216 - ENLARGED FLOOR PLANS  
SCALE: 1/2" = 1'-0"

**3** RESTROOM-112 - ENLARGED PLAN  
SCALE: 1/2" = 1'-0"

**SHEET NOTES**

1. ALL DIMENSIONS ARE TO FACE OF FINISH FOR REQUIRED CLEARANCES, U.O.N.
2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.
3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.
4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAIL 3/A902.
5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES. SEE A7XX
6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.
7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503
8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.
9. FFE SHOWN FOR REFERENCE, OFCI

**KEYNOTES**

- 06 41 00.A BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES
- 06 41 00.B UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES
- 10 28 00.B ADA SHOWER SEAT
- 10 28 00.C ADA GRAB BARS
- 10 28 00.G PAPER TOWEL DISPENSER AND WASTE BASKET COMBO
- 10 56 13 CANTILEVER METAL STORAGE SHELVES
- 11 30 13.E REFRIGERATOR WITH WATER AND ICE DISPENSER
- 11 30 13.F REFRIGERATOR
- 11 30 13.G WASHER
- 11 30 13.H DRYER
- 11 30 13.J MICROWAVE
- 11 30 13.K INDUCTION AND CONVECTION RANGE
- 11 30 13.L ICE MAKER
- 12 36 16.A METAL COUNTERTOPS
- 12 36 16.B METAL COUNTERTOPS WITH INTEGRATED BACKSPLASH
- 14 42 00.A ADA ACCESSIBLE WHEELCHAIR LIFT
- 22 11 12.A FLOOR DRAIN. SEE PLUMBING DRAWINGS
- 22 41 16.B ADA KITCHEN SINK. SEE PLUMBING DRAWINGS
- 22 42 13.A ADA TOILET FLOOR MOUNT. SEE PLUMBING DRAWINGS
- 22 42 13.B TOILET FLOOR MOUNT. SEE PLUMBING DRAWINGS
- 22 42 16.A ADA LAVATORY WALL MOUNTED. SEE PLUMBING DRAWINGS
- 22 42 16.B LAVATORY WALL MOUNTED. SEE PLUMBING DRAWINGS
- 22 42 16.E UTILITY SINK. SEE PLUMBING DRAWINGS
- 22 42 23.B SHOWER PAN WITH CURB. SEE PLUMBING DRAWINGS
- 22 42 23.D ADA HANDHELD SHOWER. SEE PLUMBING DRAWINGS

**MARJANG ARCHITECTURE**



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

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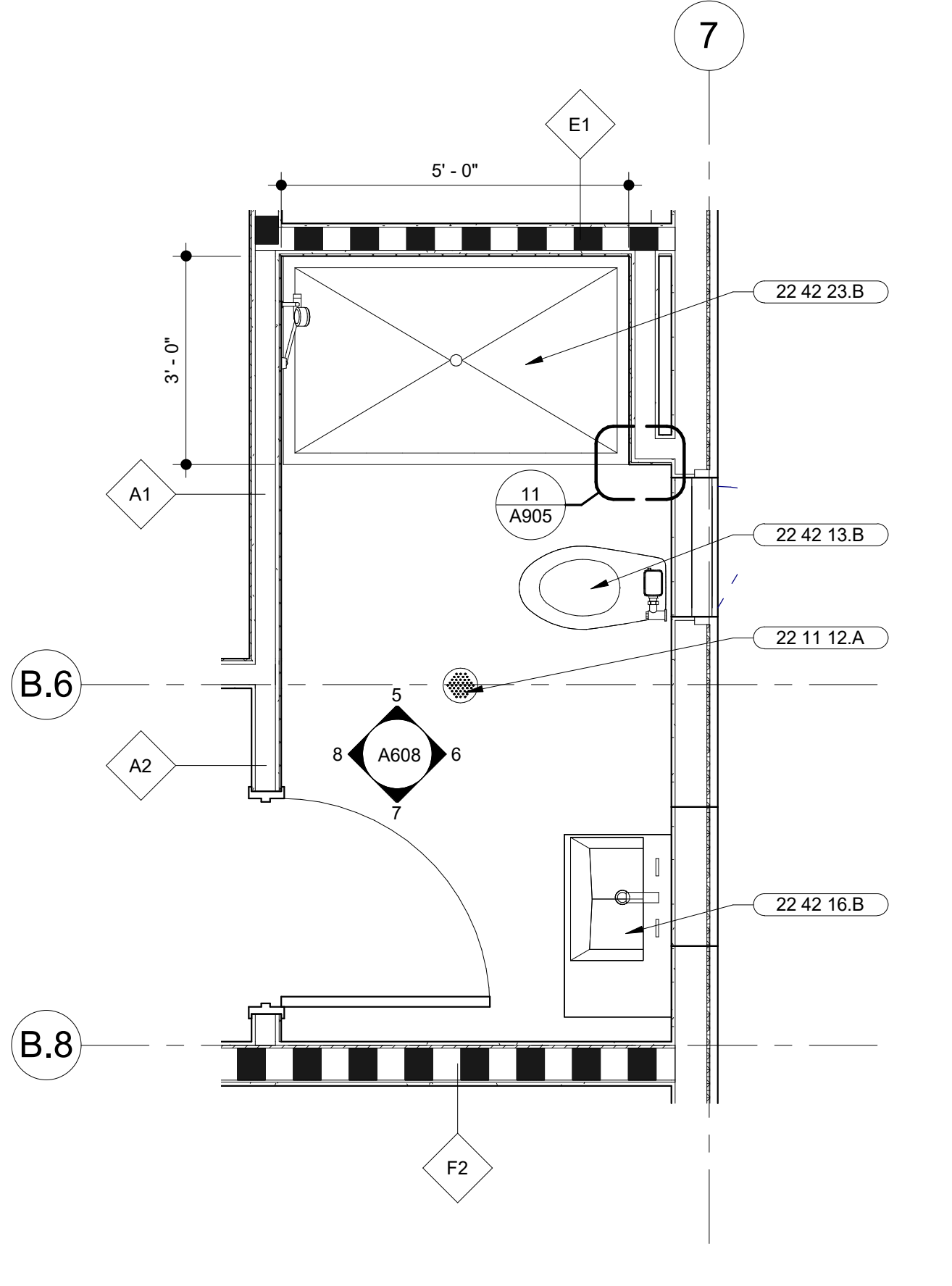
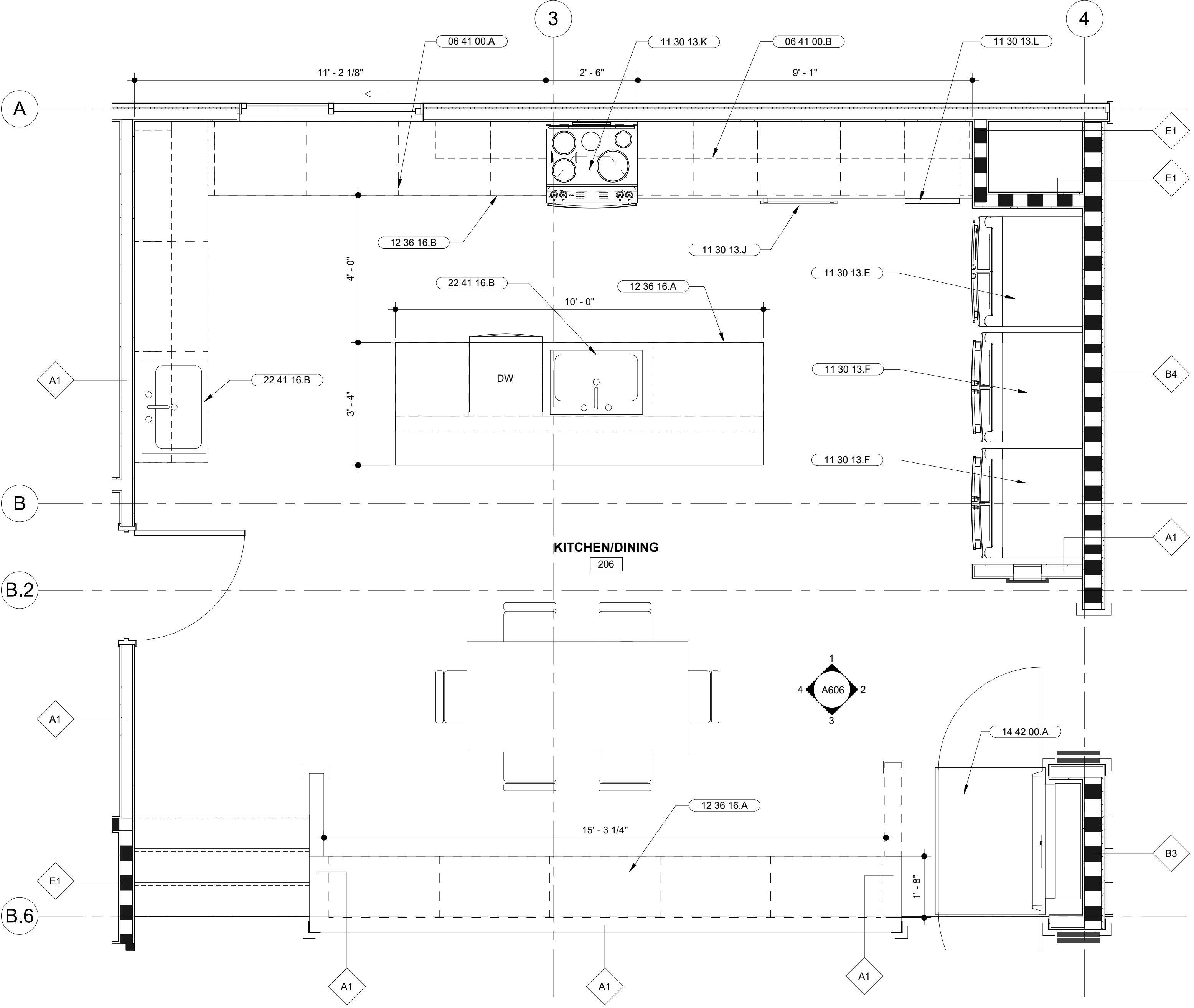
| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
ENLARGED PLAN & INTERIOR ELEVATIONS

**2** KITCHEN/DINING-206 - ENLARGED PLAN  
SCALE: 1/2" = 1'-0"

**1** BATH 217 - ENLARGED PLAN  
SCALE: 1/2" = 1'-0"



**A602**

C:\Users\robert\Documents\Kensington Public Safety Building\_Central\_robertT6CYZ.rvt

3/31/2022 4:58:06 PM

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869

CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

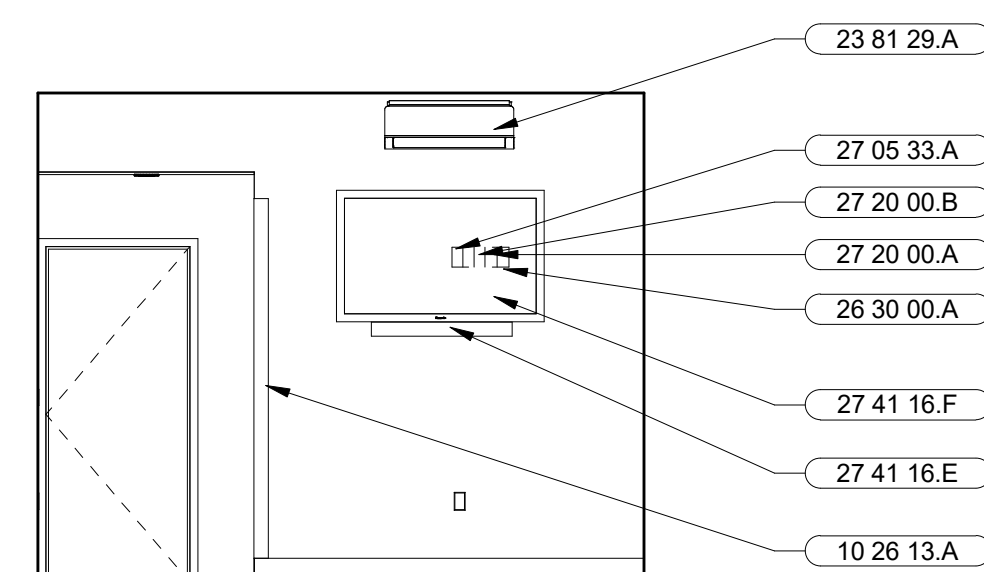
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

**SHEET NOTES**

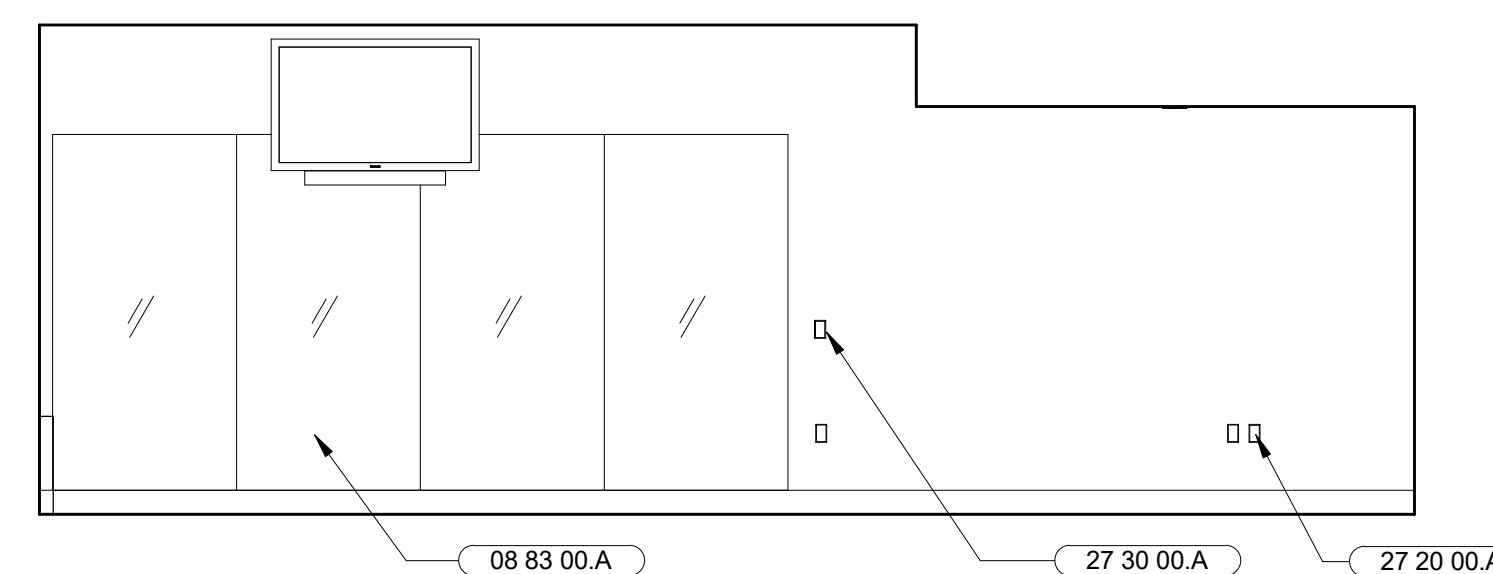
1. ALL DIMENSIONS ARE TO FACE OF FINISH FOR REQUIRED CLEARANCES, U.O.N.
2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.
3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.
4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAIL 3/A902.
5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES. SEE A7XX
6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.
7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS. SEE A503
8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.
9. FFE SHOWN FOR REFERENCE, OFCI

**KEYNOTES**

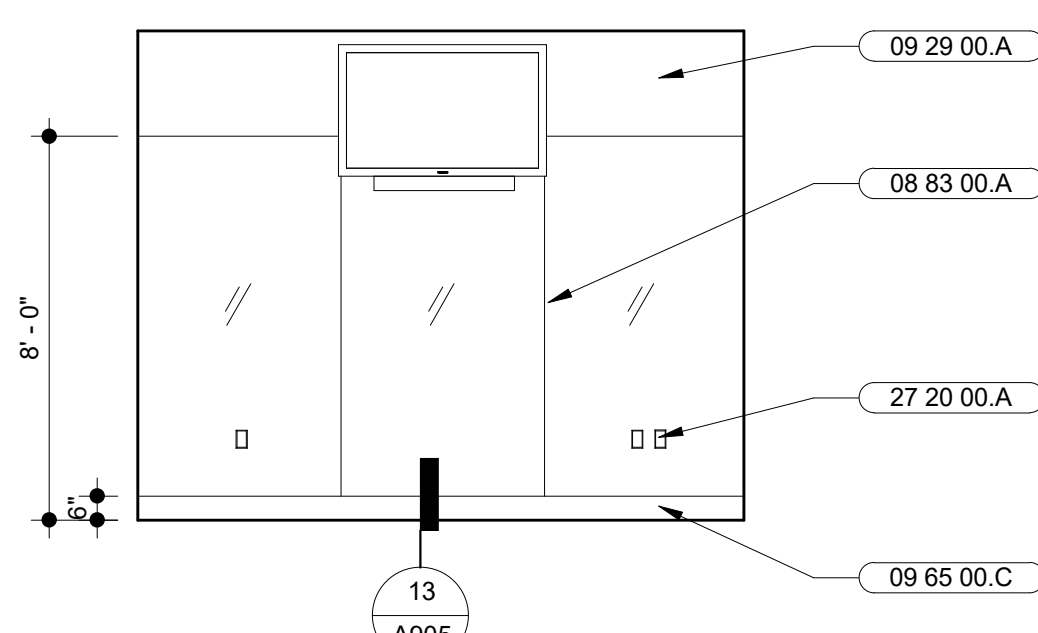
- 05 52 00.A METAL HANDRAIL  
06 41 00.A BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES  
06 41 00.B UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES  
08 83 00.A WALL MIRROR  
09 29 00.A GYPSUM BOARD  
09 65 00.C RUBBER BASE, ACCESSORIES AND ATTACHMENTS  
09 65 00.D VINYL/RUBBER STAIR TREAD AND RISER WITH CONTRASTING ABRASIVE SAFETY STRIP  
09 77 10.B FIBER REINFORCED LAMINATE WALL PROTECTION PANEL  
10 11 23.A TACKBOARDS  
10 26 13.A STAINLESS STEEL CORNER GUARD  
23 81 29.A VRF INDOOR WALL MOUNTED UNIT  
26 30 00.A RECEPTACLE, SEE ELECTRICAL DRAWINGS  
27 05 33.A FLAT PANEL WALL BOX ROUGH-IN CONNECTION, SEE AUDIO/VISUAL DRAWINGS  
27 20 00.A NETWORK DATA/VOICE DEVICE PLATE, SEE COMMUNICATION DRAWINGS  
27 20 00.B BROADBAND VIDEO DEVICE PLATE, SEE COMMUNICATION DRAWINGS  
27 30 00.A TELEPHONE PORT, SEE COMMUNICATION DRAWINGS  
27 41 16.E LOUD SPEAKER SOUNDBAR, SEE AUDIO/VISUAL DRAWINGS  
27 41 16.F FLAT PANEL DISPLAY, SEE AUDIO/VISUAL DRAWINGS



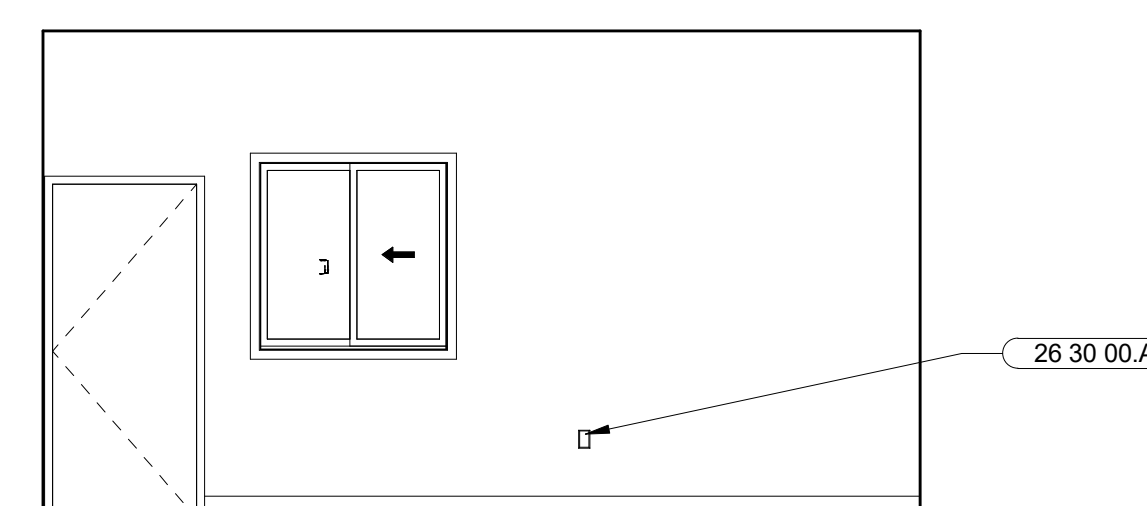
**8** EXERCISE 209 - NORTH  
SCALE: 1/4" = 1'-0"



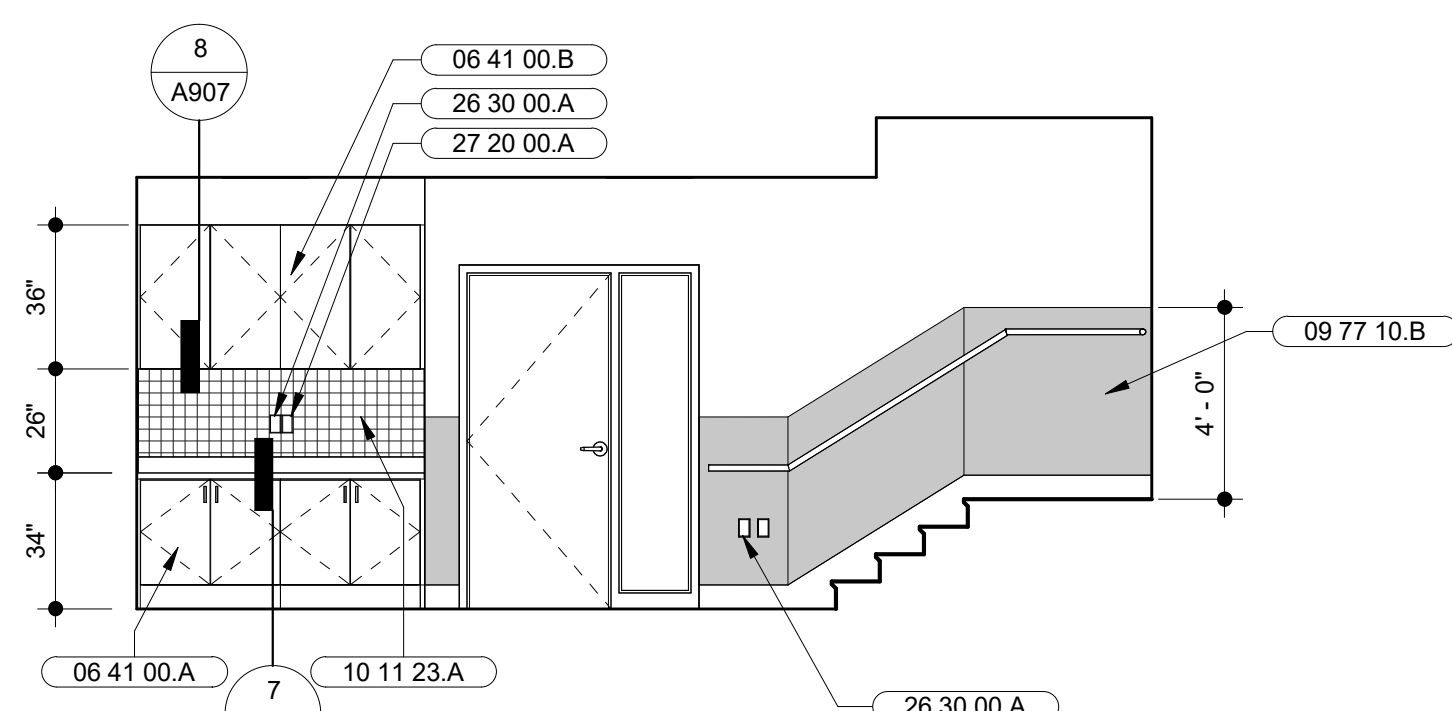
**7** EXERCISE 209 - WEST  
SCALE: 1/4" = 1'-0"



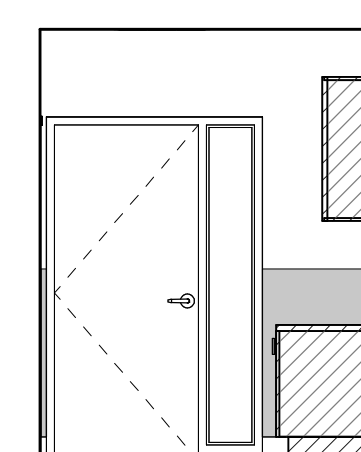
**6** EXERCISE 209 - SOUTH  
SCALE: 1/4" = 1'-0"



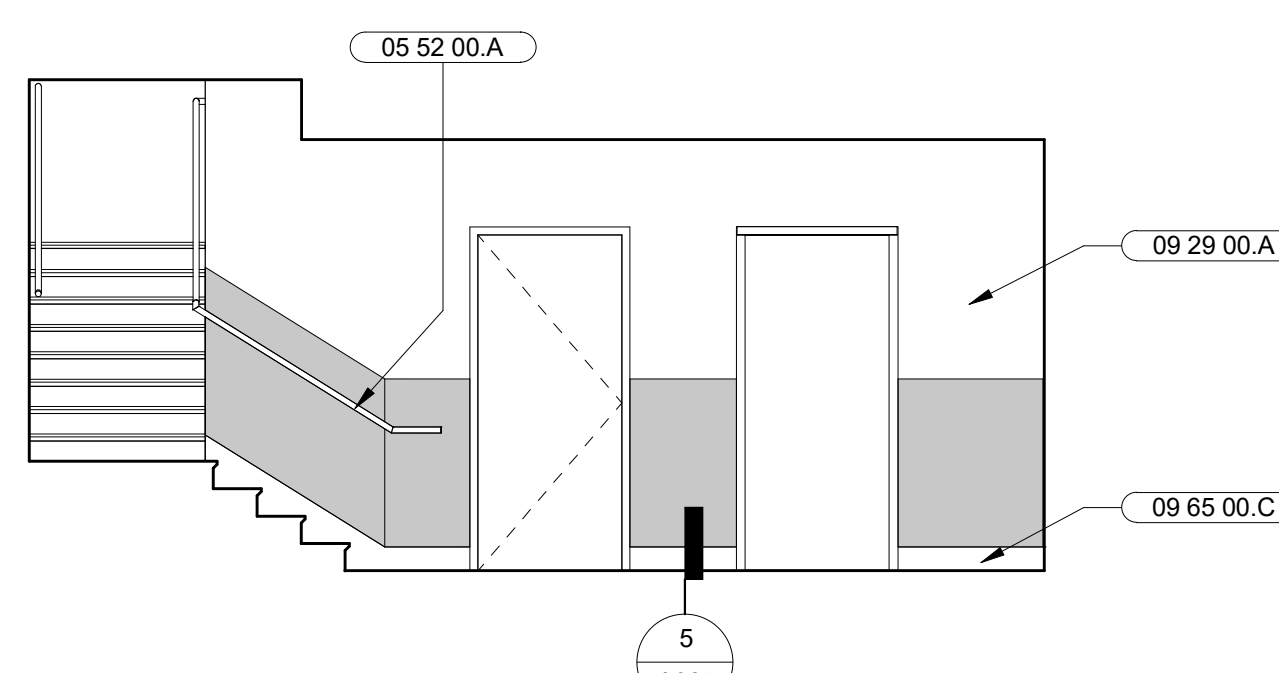
**5** EXERCISE 209 - EAST  
SCALE: 1/4" = 1'-0"



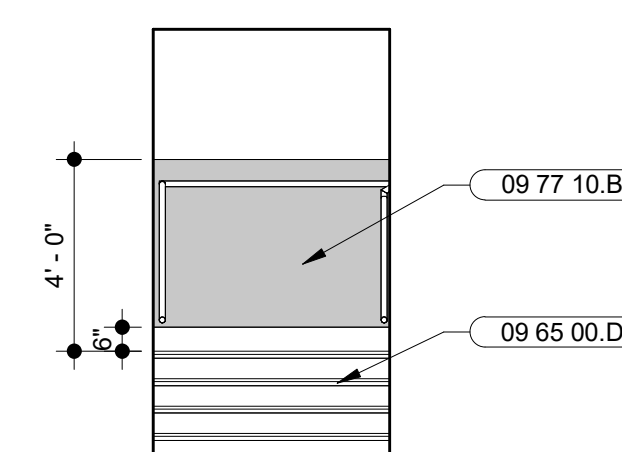
**4** HALL 1 106 - NORTH  
SCALE: 1/4" = 1'-0"



**3** HALL 1 106 - WEST  
SCALE: 1/4" = 1'-0"



**2** HALL 1 106 - SOUTH  
SCALE: 1/4" = 1'-0"

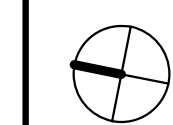


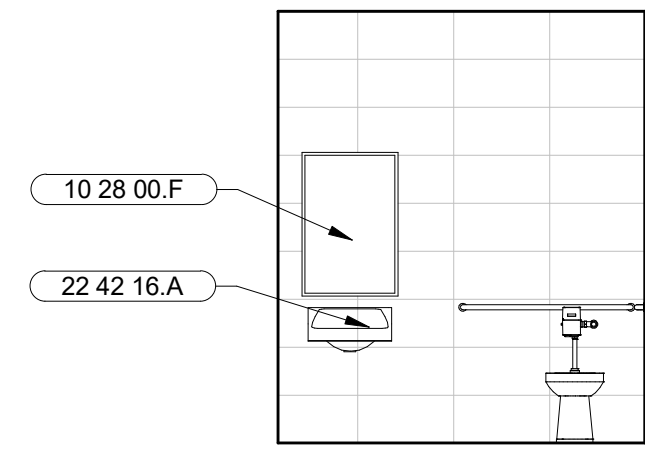
**1** HALL 1 106 - EAST  
SCALE: 1/4" = 1'-0"

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
|     |                            |            |
|     |                            |            |
|     |                            |            |
|     |                            |            |

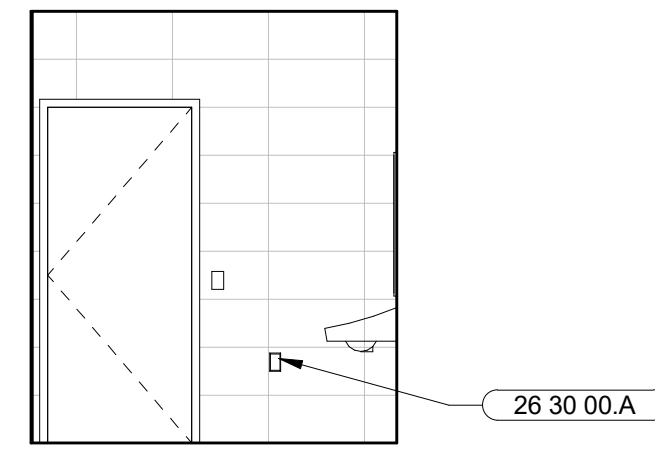
JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
ENLARGED PLAN & INTERIOR ELEVATIONS

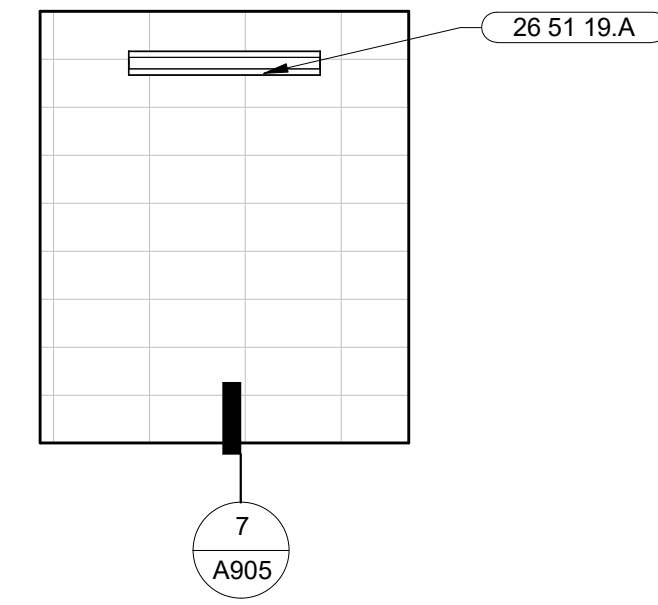




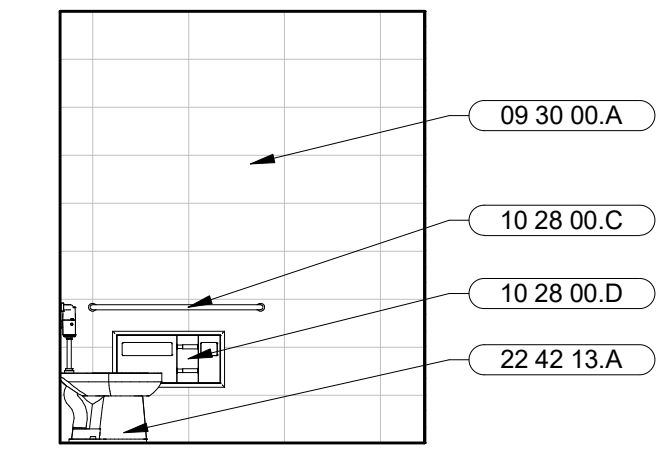
**12** ADA RESTROOM 112 - NORTH  
SCALE: 1/4" = 1'-0"



**11** ADA RESTROOM 112 - WEST  
SCALE: 1/4" = 1'-0"



**10** ADA RESTROOM 112 - SOUTH  
SCALE: 1/4" = 1'-0"



**9** ADA RESTROOM 112 - EAST  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

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4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAIL 3/A902.
5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX
6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.
7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503
8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.
9. FFE SHOWN FOR REFERENCE, OFCI

**MARJANG ARCHITECTURE**

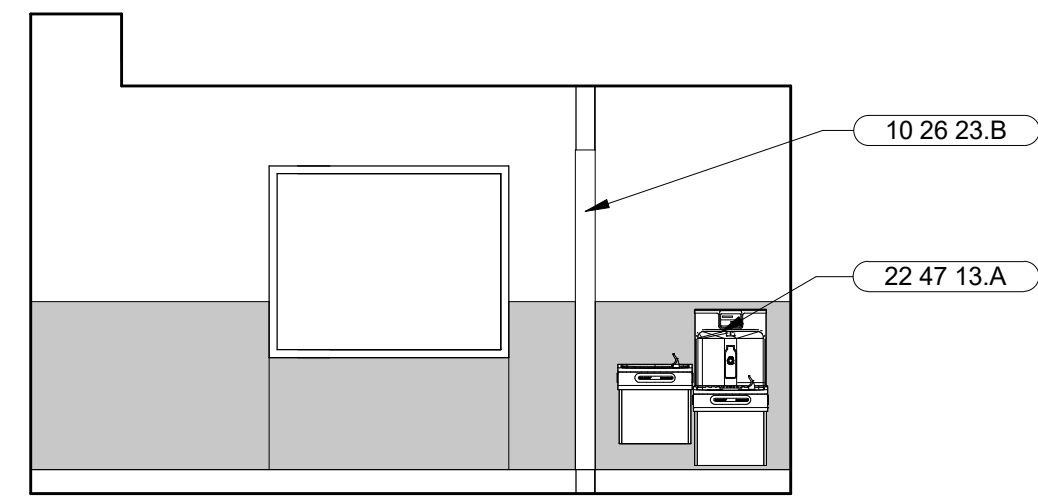
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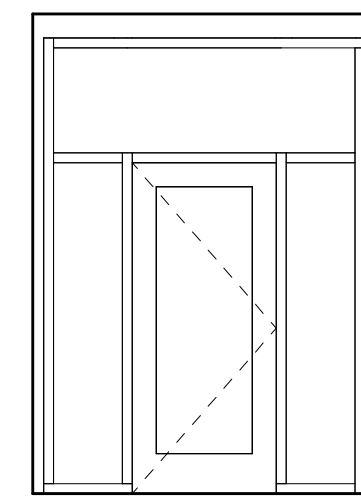
PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

**PROJECT TEAM**

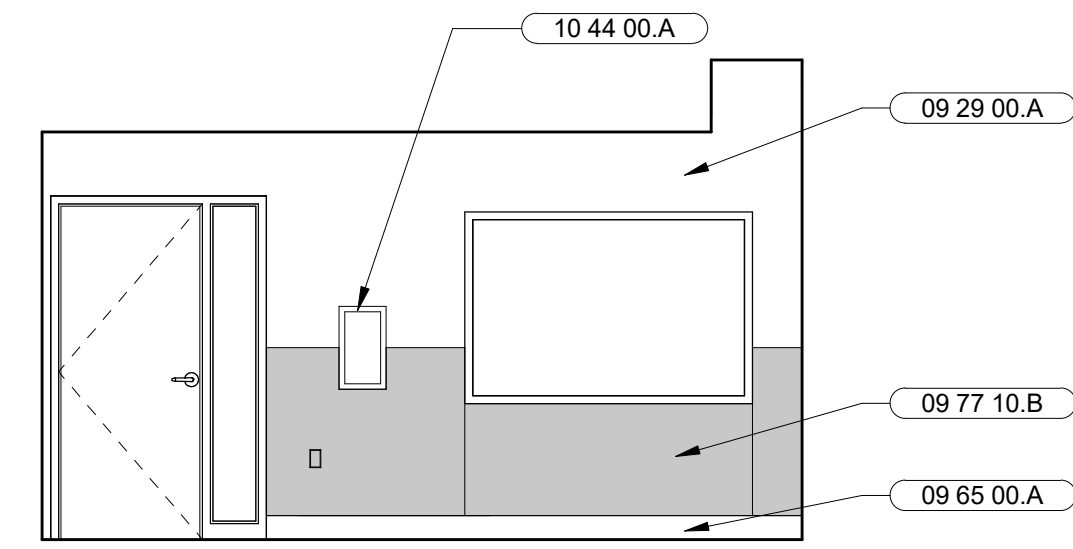
- CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064
- ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
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- STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
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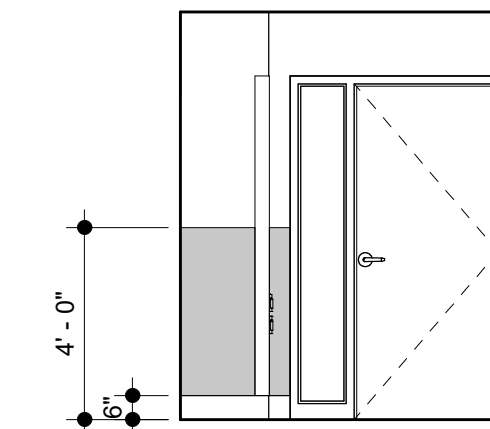
**8** LOBBY 105 - NORTH  
SCALE: 1/4" = 1'-0"



**7** LOBBY 105 - WEST  
SCALE: 1/4" = 1'-0"



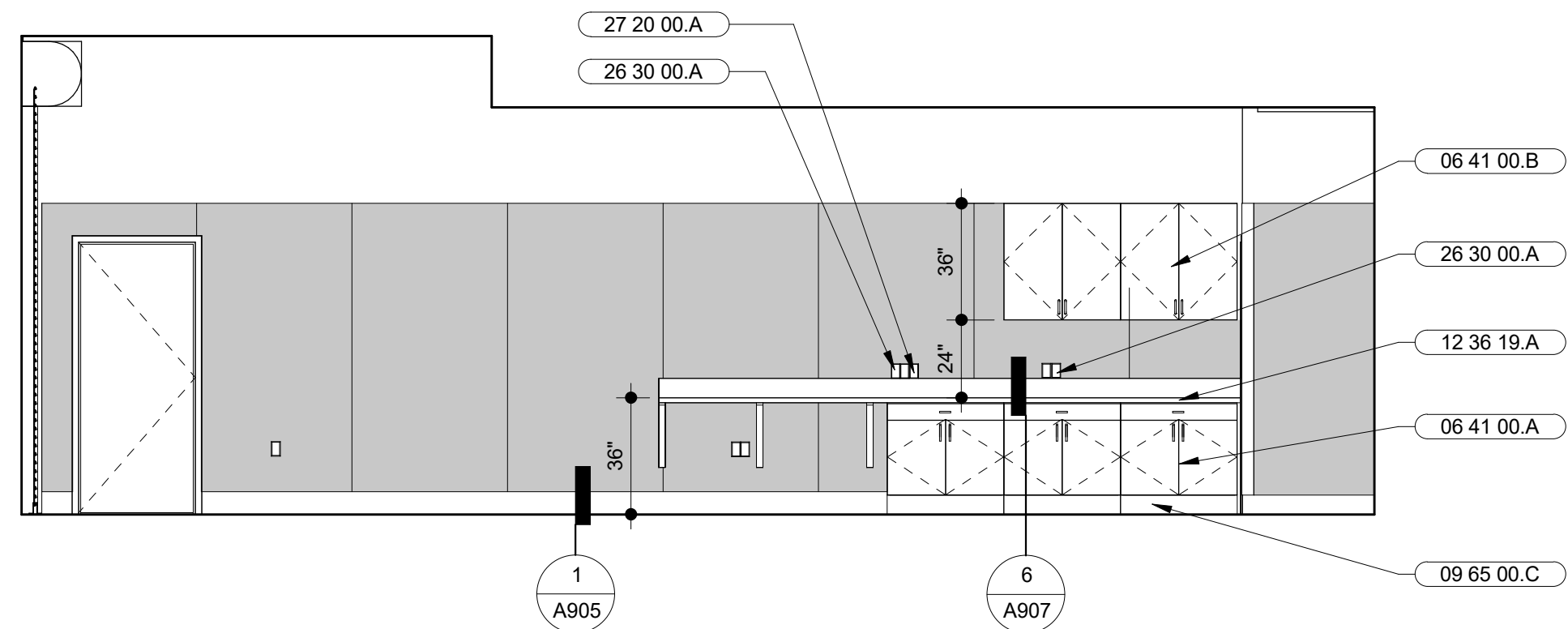
**6** LOBBY 105 - SOUTH  
SCALE: 1/4" = 1'-0"



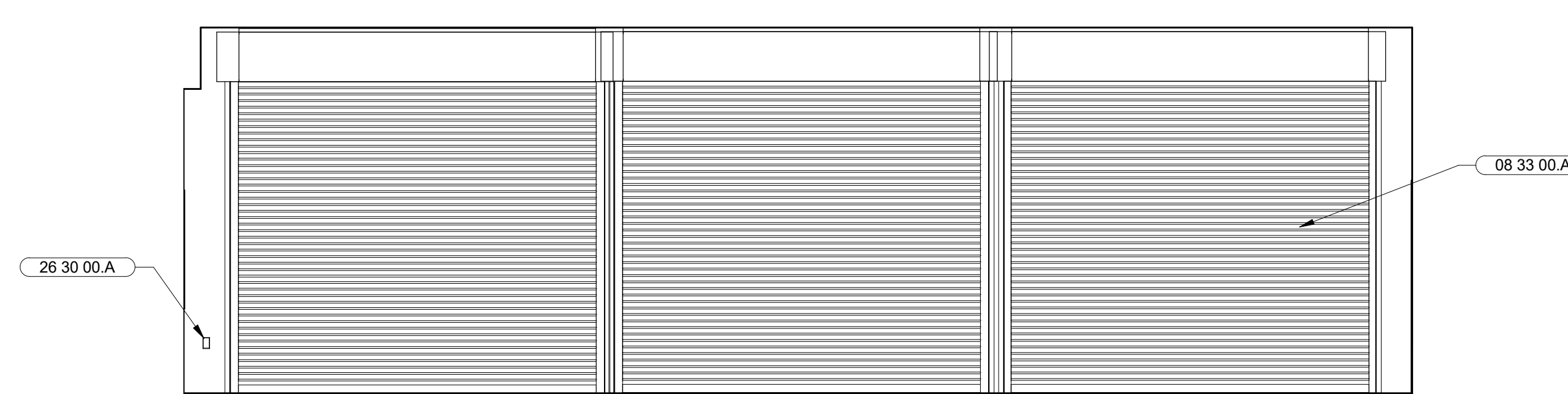
**5** LOBBY 105 - EAST  
SCALE: 1/4" = 1'-0"

**KEYNOTES**

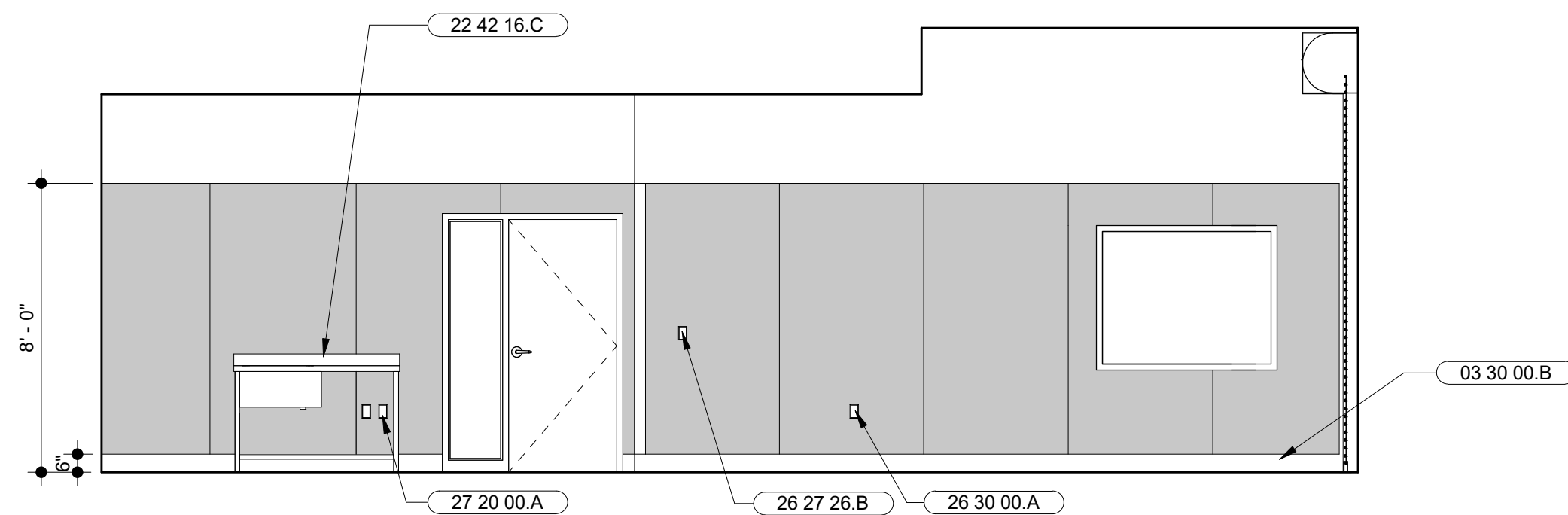
- 03 30 00.B EXPOSED CONCRETE CURB
- 06 41 00.A BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES
- 06 41 00.B UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES
- 08 33 00.A (N) OVERHEAD COILING DOOR WITH MOTOR AND CONTROLLER
- 09 29 00.A GYPSUM BOARD
- 09 30 00.A WALL TILE
- 09 65 00.A VINYL COMPOSITION TILE (ANTI-STATIC)
- 09 65 00.C RUBBER BASE, ACCESSORIES AND ATTACHMENTS
- 09 77 10.A PHENOLIC CORE WALL PROTECTION PANEL
- 09 77 10.B FIBER REINFORCED LAMINATE WALL PROTECTION PANEL
- 10 26 23.B STAINLESS STEEL U-GUARD
- 10 28 00.A ADA GRAB BARS
- 10 28 00.D TOILET PAPER AND SEAT COVER DISPENSER, WASTE DISPOSAL COMBO
- 10 28 00.F WALL MIRROR
- 10 44 00.A FIRE EXTINGUISHER CABINET
- 10 50 80
- 12 36 19.A BUTCHER BLOCK COUNTERTOPS
- 22 42 13.A ADA TOILET FLOOR MOUNT, SEE PLUMBING DRAWINGS
- 22 42 16.A ADA LAVATORY WALL MOUNTED, SEE PLUMBING DRAWINGS
- 22 42 16.C DECON SERVICE SINK WITH INTEGRAL WORKTABLE, SEE PLUMBING DRAWINGS
- 22 47 13.A HI-LO DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS
- 26 27 26.B SWITCH, SEE ELECTRICAL DRAWINGS
- 26 30 00.A RECEPTACLE, SEE ELECTRICAL DRAWINGS
- 26 51 19.A WALL MOUNTED LED LIGHT FIXTURE
- 27 20 00.A NETWORK DATA/VOICE DEVICE PLATE, SEE COMMUNICATION DRAWINGS



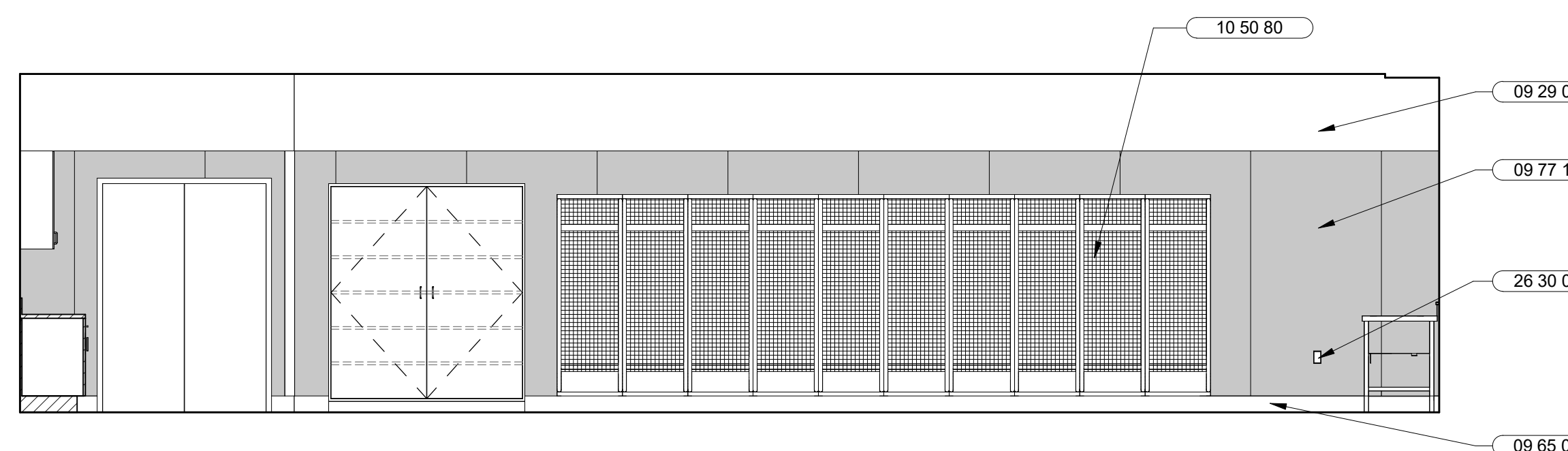
**4** APPARATUS BAY 104 - NORTH  
SCALE: 1/4" = 1'-0"



**3** APPARATUS BAY 104 - WEST  
SCALE: 1/4" = 1'-0"



**2** APPARATUS BAY 104 - SOUTH  
SCALE: 1/4" = 1'-0"

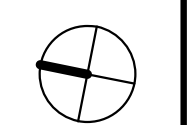


**1** APPARATUS BAY 104 - EAST  
SCALE: 1/4" = 1'-0"

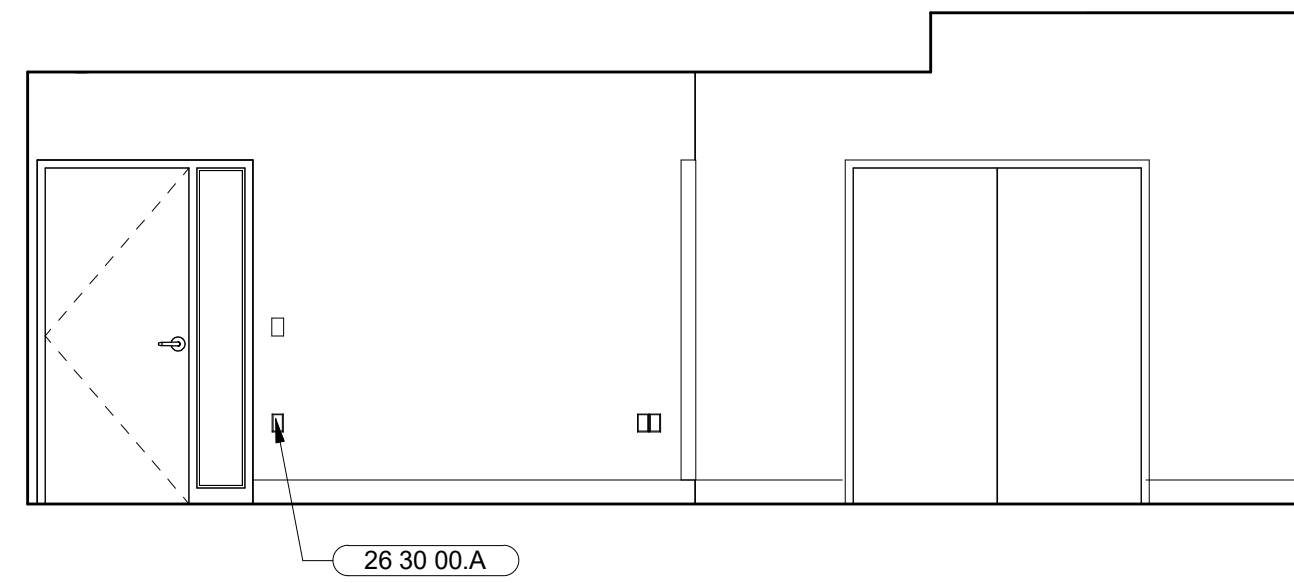
| NO. | DESCRIPTION                | DATE       |
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| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
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| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

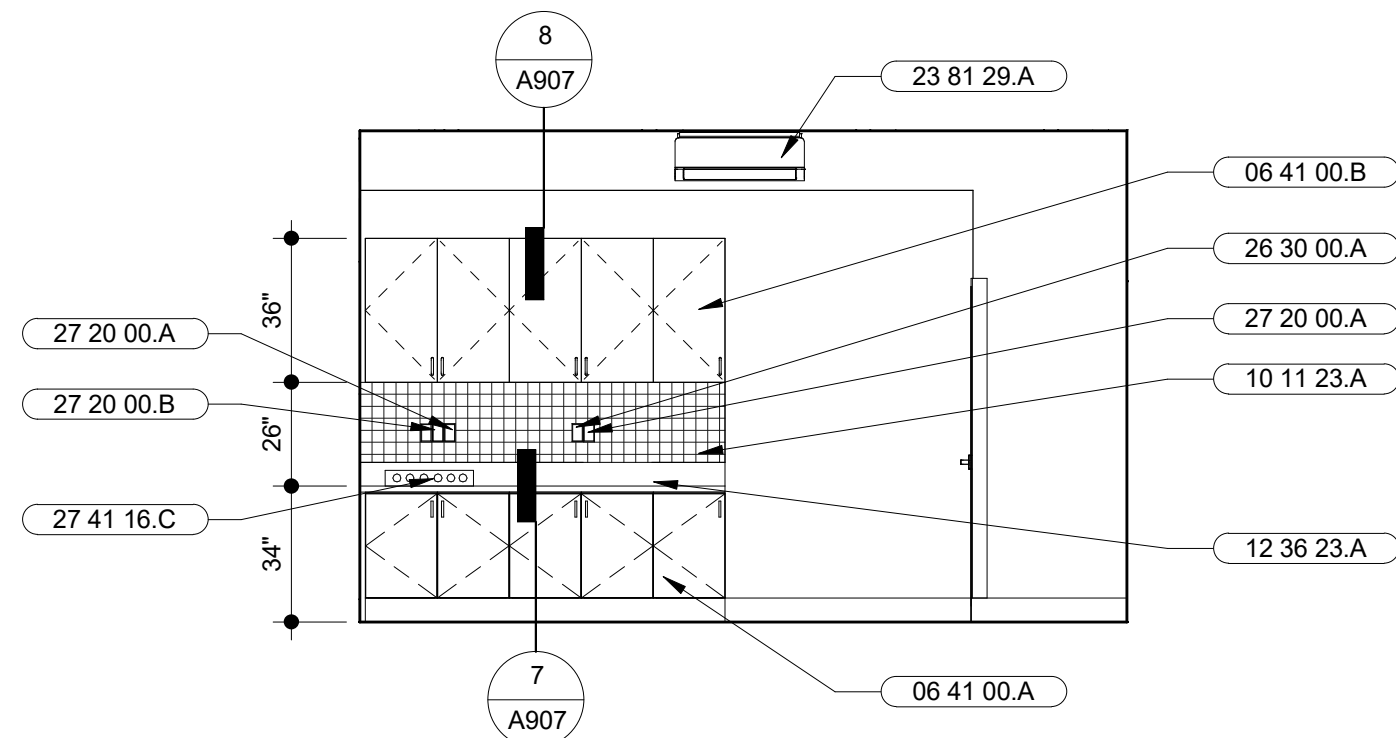
DESCRIPTION  
ENLARGED PLAN & INTERIOR ELEVATIONS



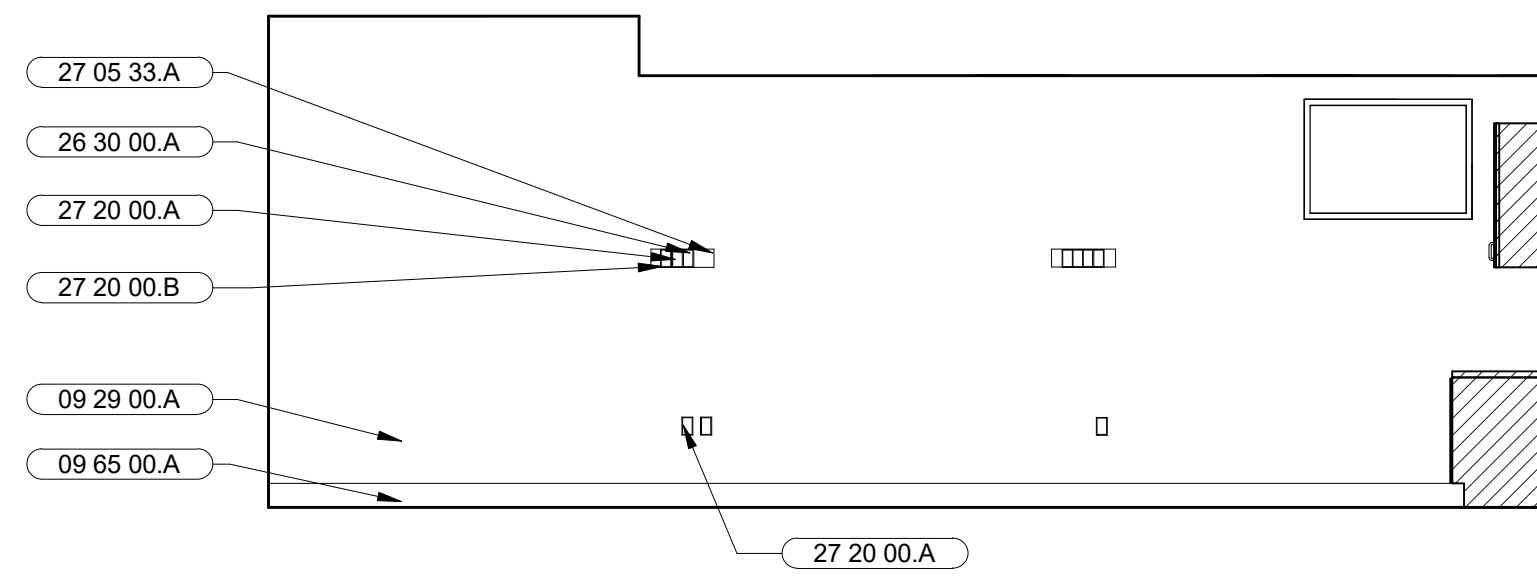
**A604**



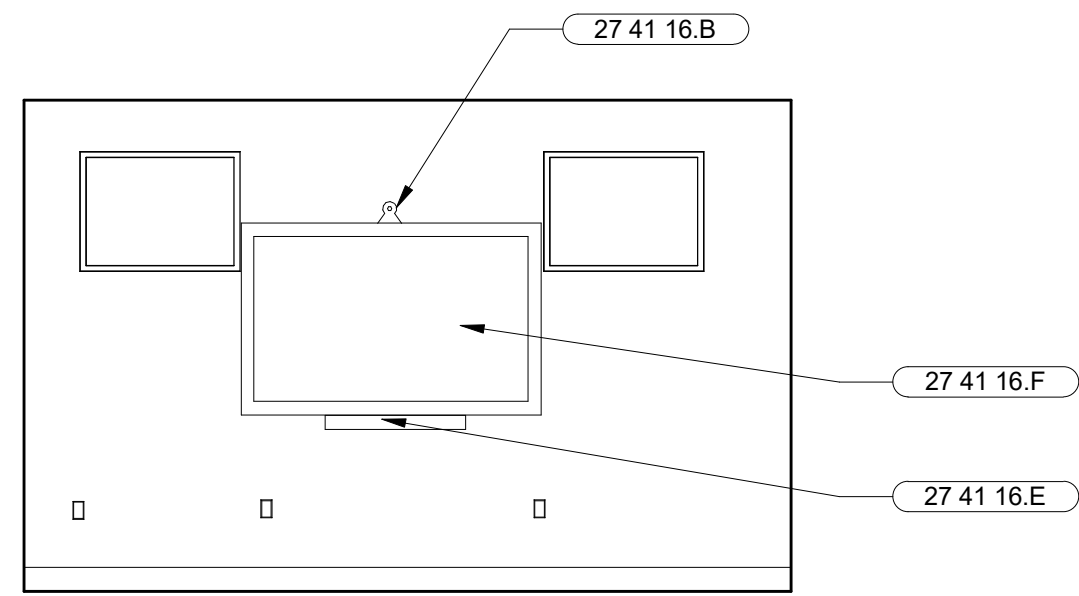
12 MEETING/E.O.C. 111 - NORTH  
SCALE: 1/4" = 1'-0"



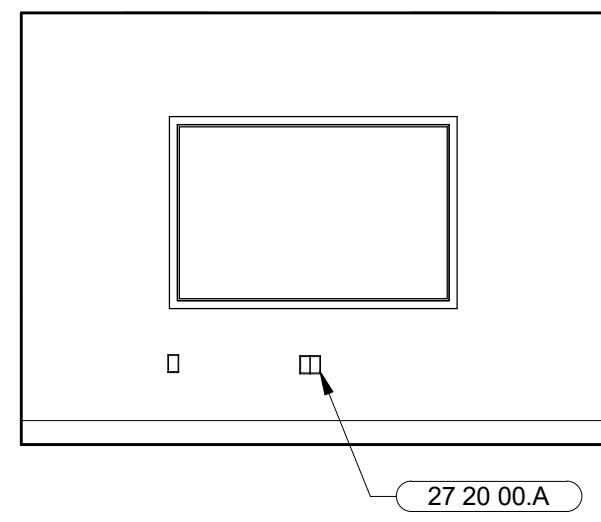
11 MEETING 111 - WEST  
SCALE: 1/4" = 1'-0"



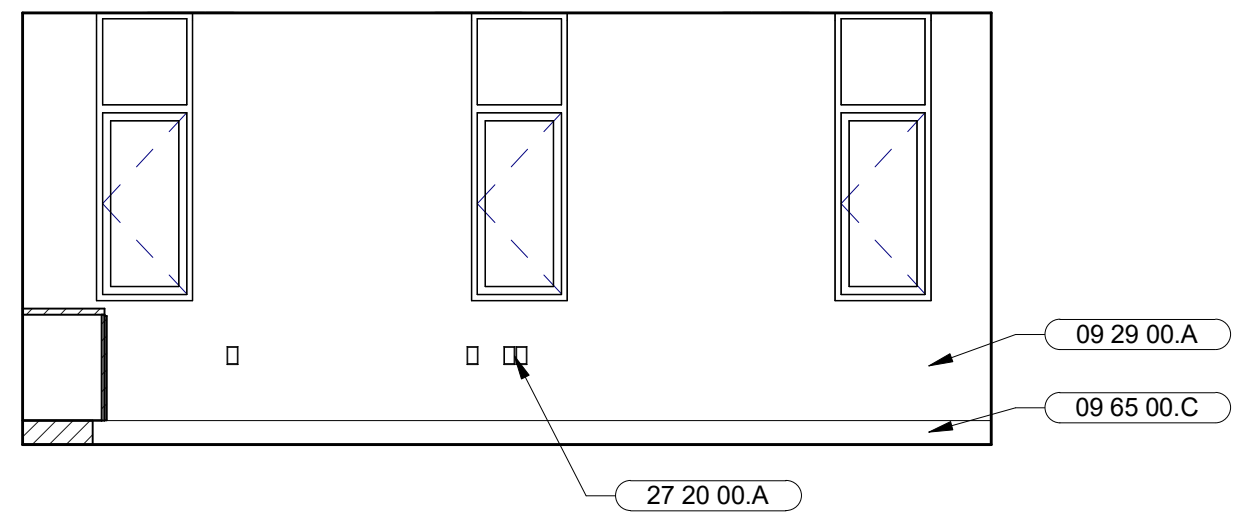
10 MEETING 111 - SOUTH  
SCALE: 1/4" = 1'-0"



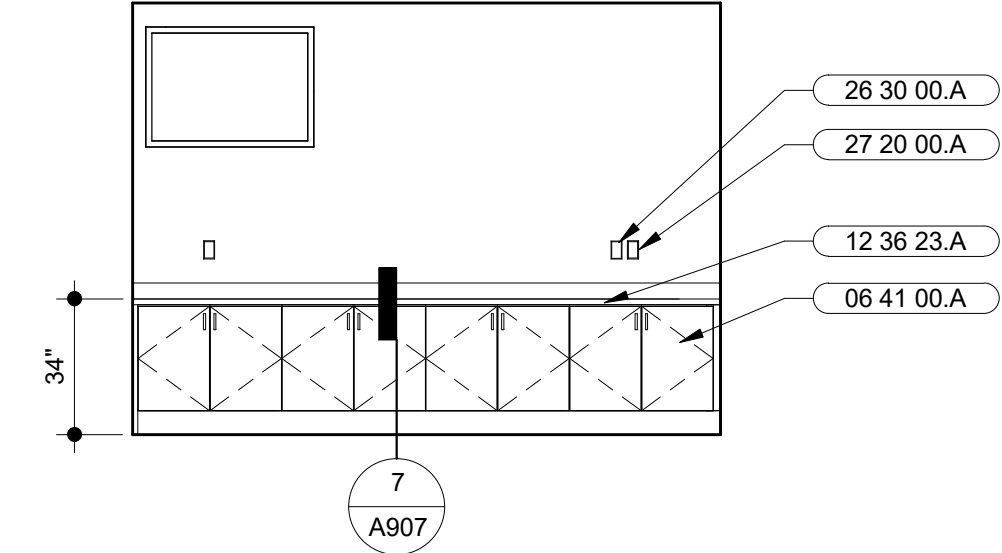
9 MEETING 111 - EAST  
SCALE: 1/4" = 1'-0"



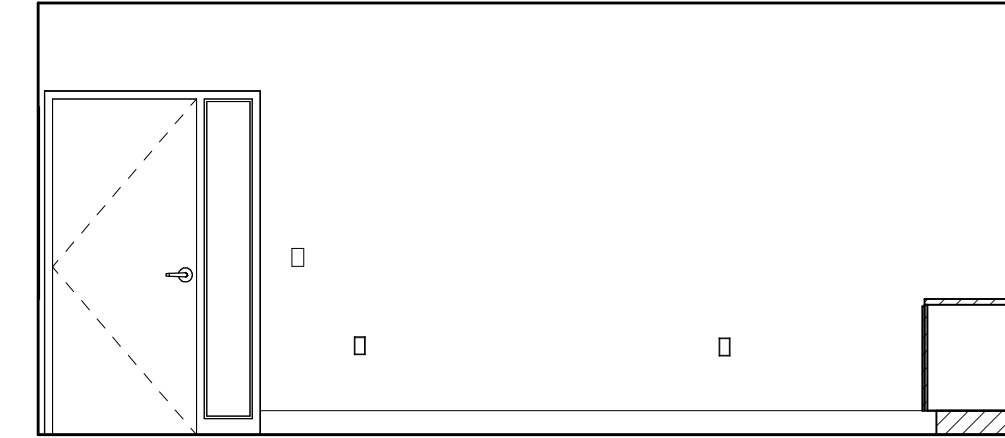
8 ADMINISTRATION 110 - NORTH  
SCALE: 1/4" = 1'-0"



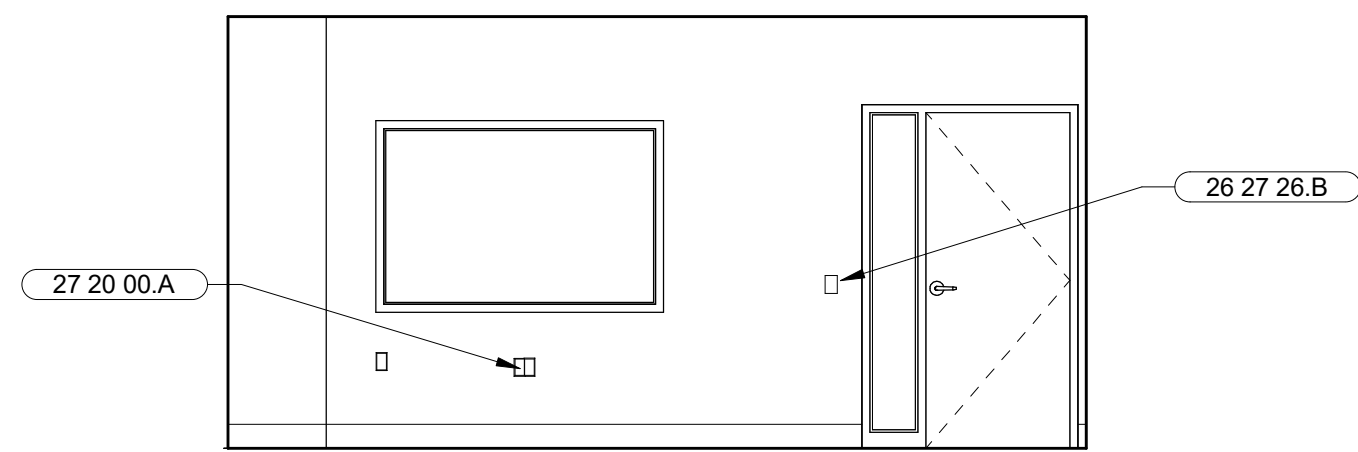
7 ADMINISTRATION 110 - WEST  
SCALE: 1/4" = 1'-0"



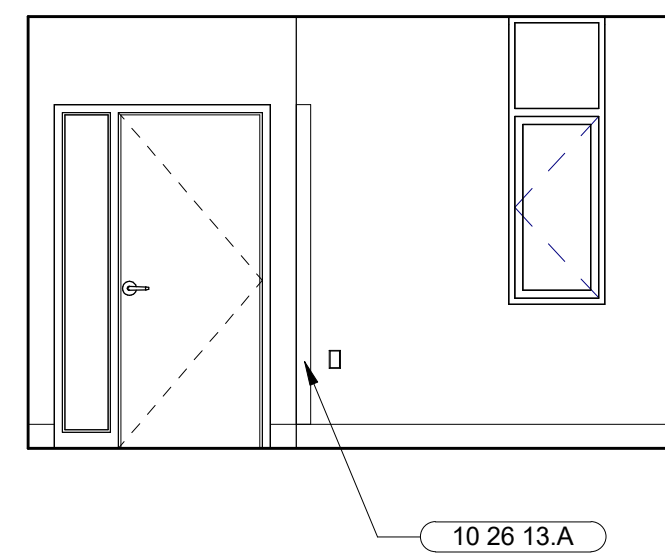
6 ADMINISTRATION 110 - SOUTH  
SCALE: 1/4" = 1'-0"



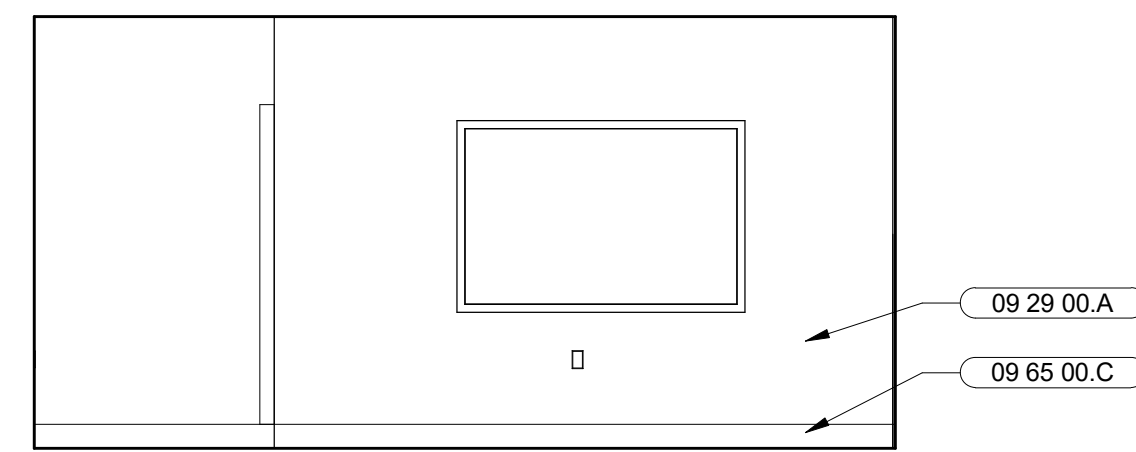
5 ADMINISTRATION 110 - EAST  
SCALE: 1/4" = 1'-0"



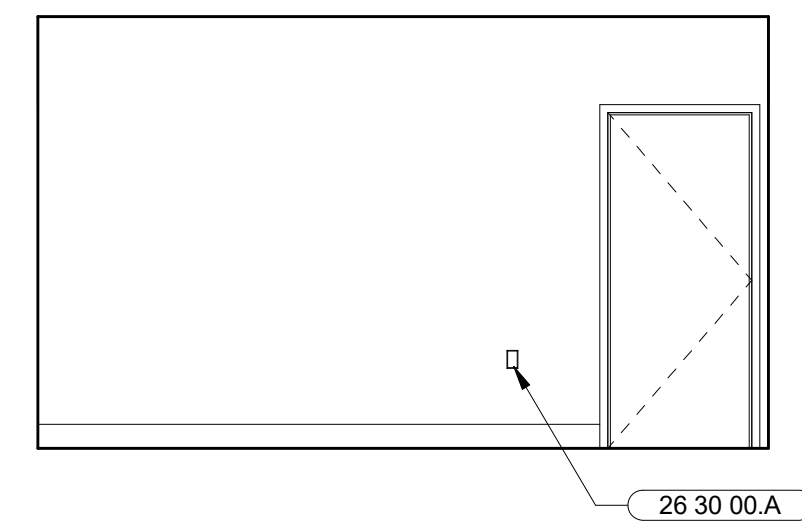
4 STAFF 107 - NORTH  
SCALE: 1/4" = 1'-0"



3 STAFF 107 - WEST  
SCALE: 1/4" = 1'-0"



2 STAFF 107 - SOUTH  
SCALE: 1/4" = 1'-0"



1 STAFF 107 - EAST  
SCALE: 1/4" = 1'-0"

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- VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.
- FFE SHOWN FOR REFERENCE, OFCI

KEYNOTES

- 06 41 00.A BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES
- 06 41 00.B UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES
- 09 29 00.A GYPSUM BOARD
- 09 65 00.A VINYL COMPOSITION TILE (ANTI-STATIC)
- 09 65 00.C RUBBER BASE, ACCESSORIES AND ATTACHMENTS
- 10 11 23.A TACKBOARDS
- 12 36 23.A STAINLESS STEEL CORNER GUARD
- 23 81 29.A PLASTIC LAMINATE COUNTERTOPS
- 26 27 26.A VRF INDOOR WALL MOUNTED UNIT
- 26 27 26.B SWITCH, SEE ELECTRICAL DRAWINGS
- 26 30 00.A RECEPTACLE, SEE ELECTRICAL DRAWINGS
- 27 05 33.A FLAT PANEL WALL BOX ROUGH-IN CONNECTION, SEE AUDIO/VISUAL DRAWINGS
- 27 20 00.A NETWORK DATA/VOICE DEVICE PLATE, SEE COMMUNICATION DRAWINGS
- 27 20 00.B BROADBAND VIDEO DEVICE PLATE, SEE COMMUNICATION DRAWINGS
- 27 41 16.B CONFERENCE CAMERA, SEE AUDIO/VISUAL DRAWINGS
- 27 41 16.C AV CONTROL BUTTON PANEL, SEE AUDIO/VISUAL DRAWINGS
- 27 41 16.E LOUD SPEAKER SOUNDBAR, SEE AUDIO/VISUAL DRAWINGS
- 27 41 16.F FLAT PANEL DISPLAY, SEE AUDIO/VISUAL DRAWINGS

MARJANG ARCHITECTURE

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

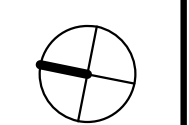
PROJECT TEAM

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SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869
- CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200
- GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544
- MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390
- AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140
- ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
ENLARGED PLAN & INTERIOR ELEVATIONS



A605

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE.  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869

CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
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351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
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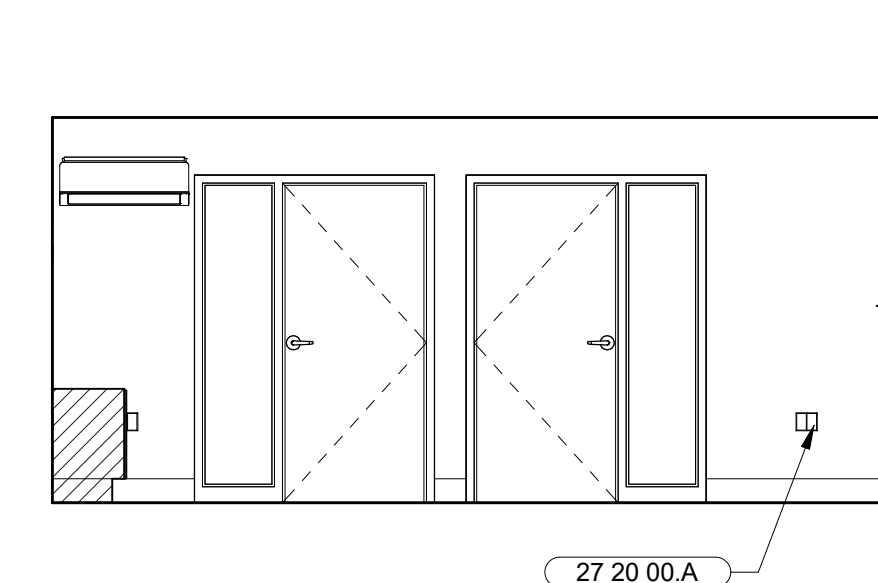
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

**SHEET NOTES**

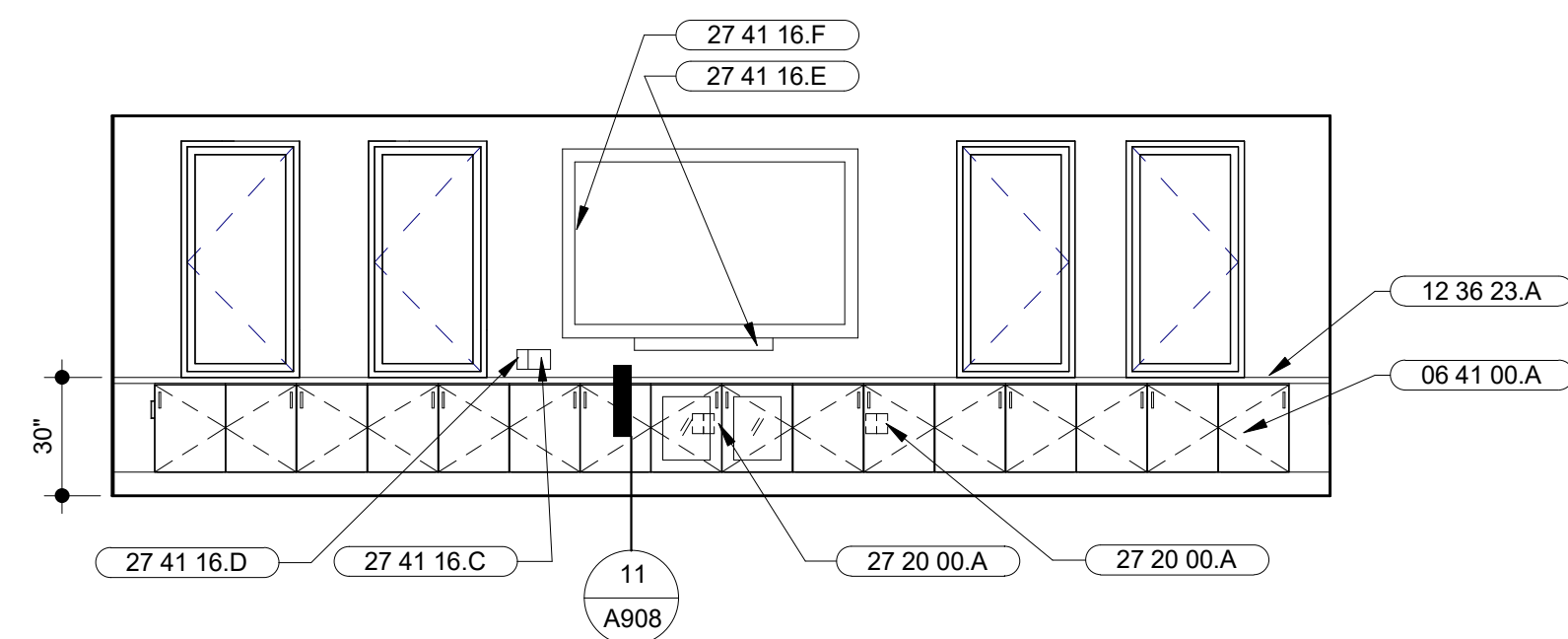
1. ALL DIMENSIONS ARE TO FACE OF FINISH FOR REQUIRED CLEARANCES, U.O.N.
2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.
3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.
4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAIL 3/A902.
5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX
6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.
7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503
8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.
9. FFE SHOWN FOR REFERENCE, OFCI

**KEYNOTES**

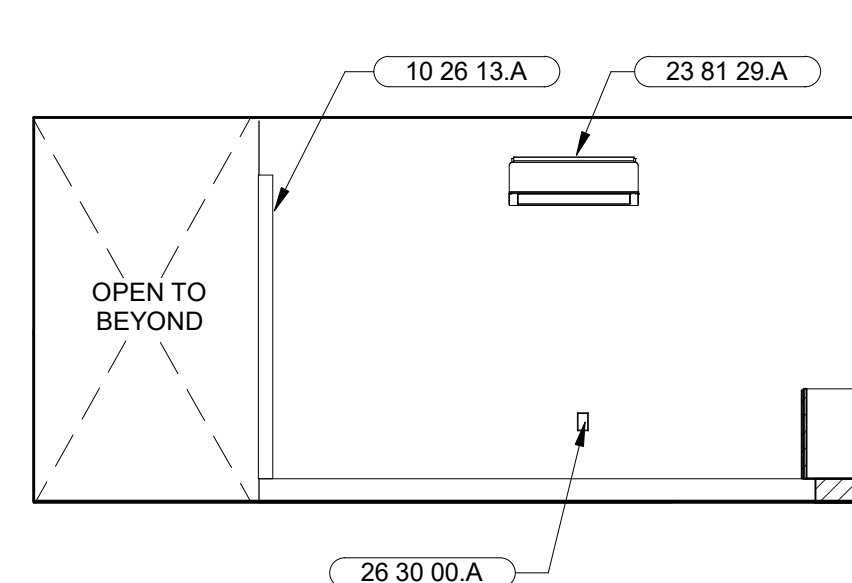
- 06 41 00.A BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES
- 06 41 00.B UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES
- 06 41 00.C FULL HEIGHT CABINETS, LOCKABLE DOORS AND ADJUSTABLE SHELVES
- 06 41 00.F MATCHING CASEWORK WALL PANEL AT ISLAND PLUMBING WALL
- 09 29 00.A GYPSUM BOARD
- 09 65 00.C RUBBER BASE, ACCESSORIES AND ATTACHMENTS
- 10 26 13.A STAINLESS STEEL CORNER GUARD
- 10 26 23.B STAINLESS STEEL U-GUARD
- 11 30 13.C EXHAUST HOOD OVER RANGE
- 11 30 13.D DISHWASHER
- 11 30 13.E REFRIGERATOR WITH WATER AND ICE DISPENSER
- 11 30 13.F REFRIGERATOR
- 11 30 13.J MICROWAVE
- 11 30 13.K INDUCTION AND CONVECTION RANGE
- 11 30 13.L ICE MAKER
- 12 36 16.A METAL COUNTERTOPS
- 12 36 16.B METAL COUNTERTOPS WITH INTEGRATED BACKSPLASH
- 12 36 23.A PLASTIC LAMINATE COUNTERTOPS
- 14 42 00.A ADA ACCESSIBLE WHEELCHAIR LIFT
- 22 41 16.B ADA KITCHEN SINK, SEE PLUMBING DRAWINGS
- 22 42 39.A KITCHEN FAUCET, SEE PLUMBING DRAWINGS
- 23 51 29.A VRF INDOOR WALL MOUNTED UNIT SWITCH, SEE ELECTRICAL DRAWINGS
- 26 30 00.A RECEPTACLE, SEE ELECTRICAL DRAWINGS
- 27 20 00.A NETWORK DATA/VOICE DEVICE PLATE, SEE COMMUNICATION DRAWINGS
- 27 41 16.C A/V CONTROL BUTTON PANEL, SEE AUDIO/VISUAL DRAWINGS
- 27 41 16.D WALL PLATE PRESENTER INPUT, SEE AUDIO/VISUAL DRAWINGS
- 27 41 16.E LOUD SPEAKER SOUNDBAR, SEE AUDIO/VISUAL DRAWINGS
- 27 41 16.F FLAT PANEL DISPLAY, SEE AUDIO/VISUAL DRAWINGS



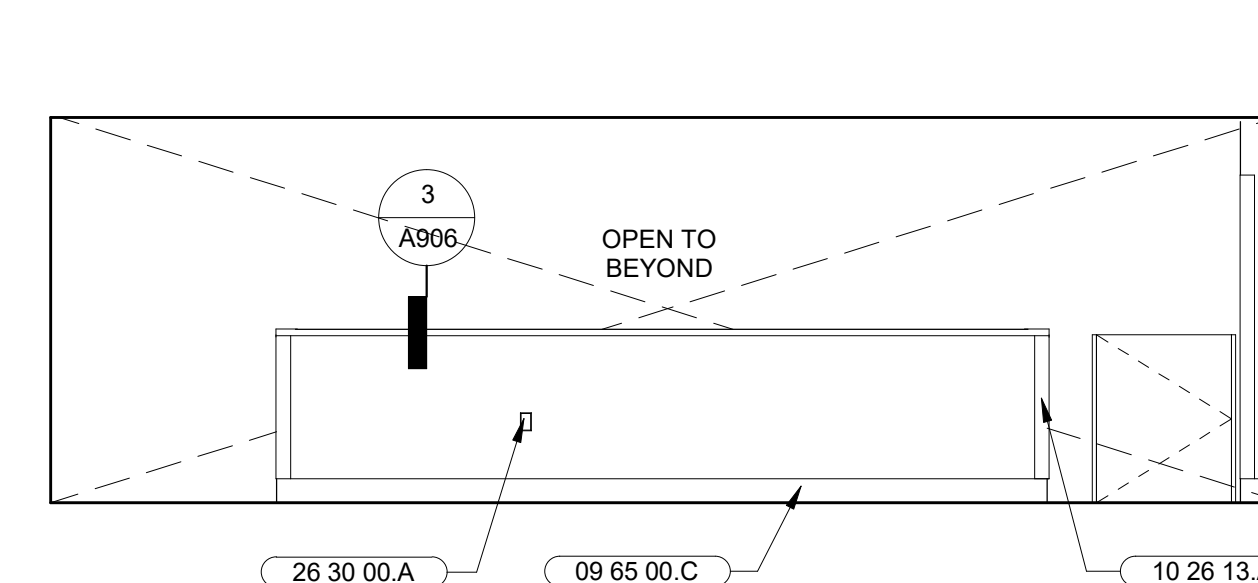
**12** DAYROOM 207 - NORTH  
SCALE: 1/4" = 1'-0"



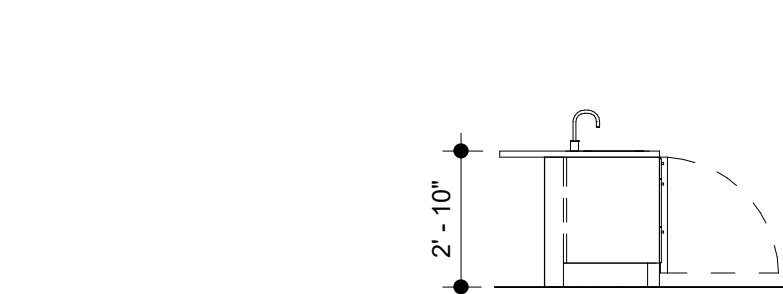
**11** DAYROOM 207 - WEST  
SCALE: 1/4" = 1'-0"



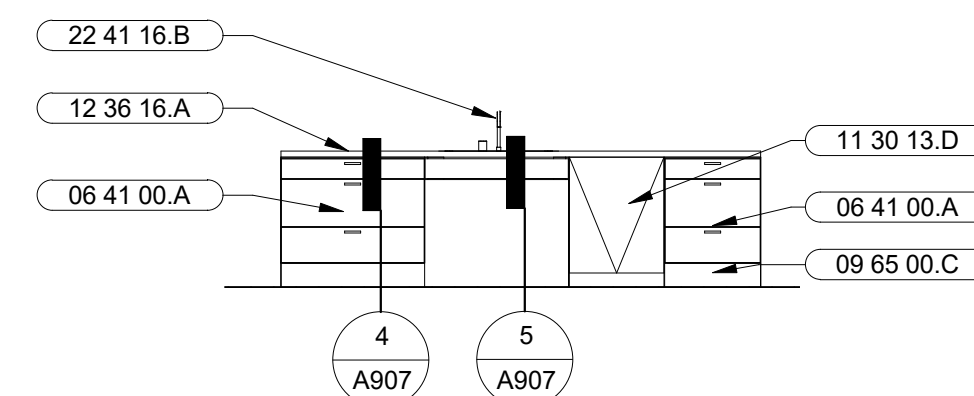
**10** DAYROOM 207 - SOUTH  
SCALE: 1/4" = 1'-0"



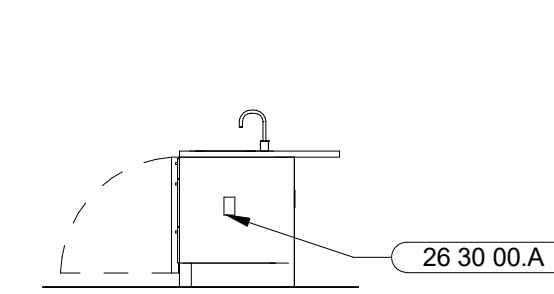
**9** DAYROOM 207 - EAST  
SCALE: 1/4" = 1'-0"



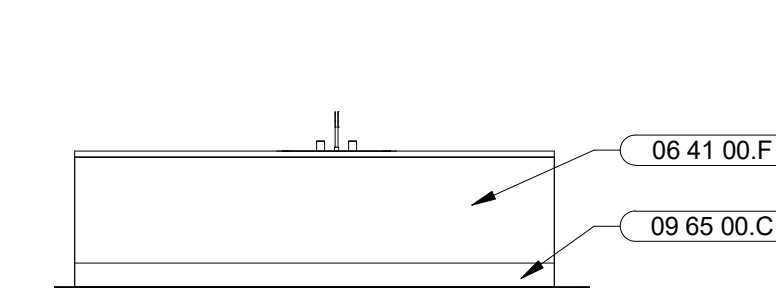
**8** KITCHEN/DINING 206 - ISLAND NORTH  
SCALE: 1/4" = 1'-0"



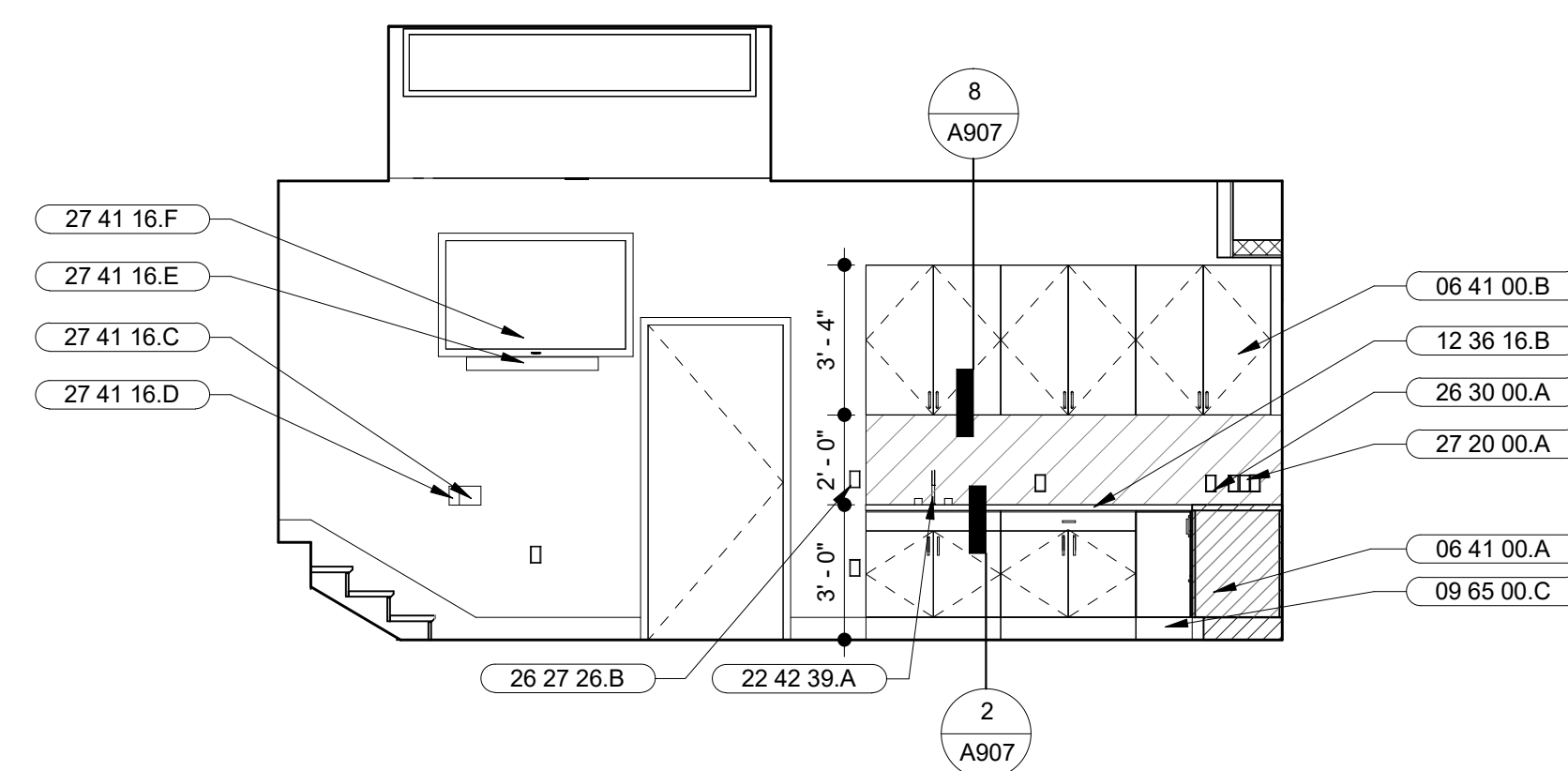
**7** KITCHEN/DINING 206 - ISLAND WEST  
SCALE: 1/4" = 1'-0"



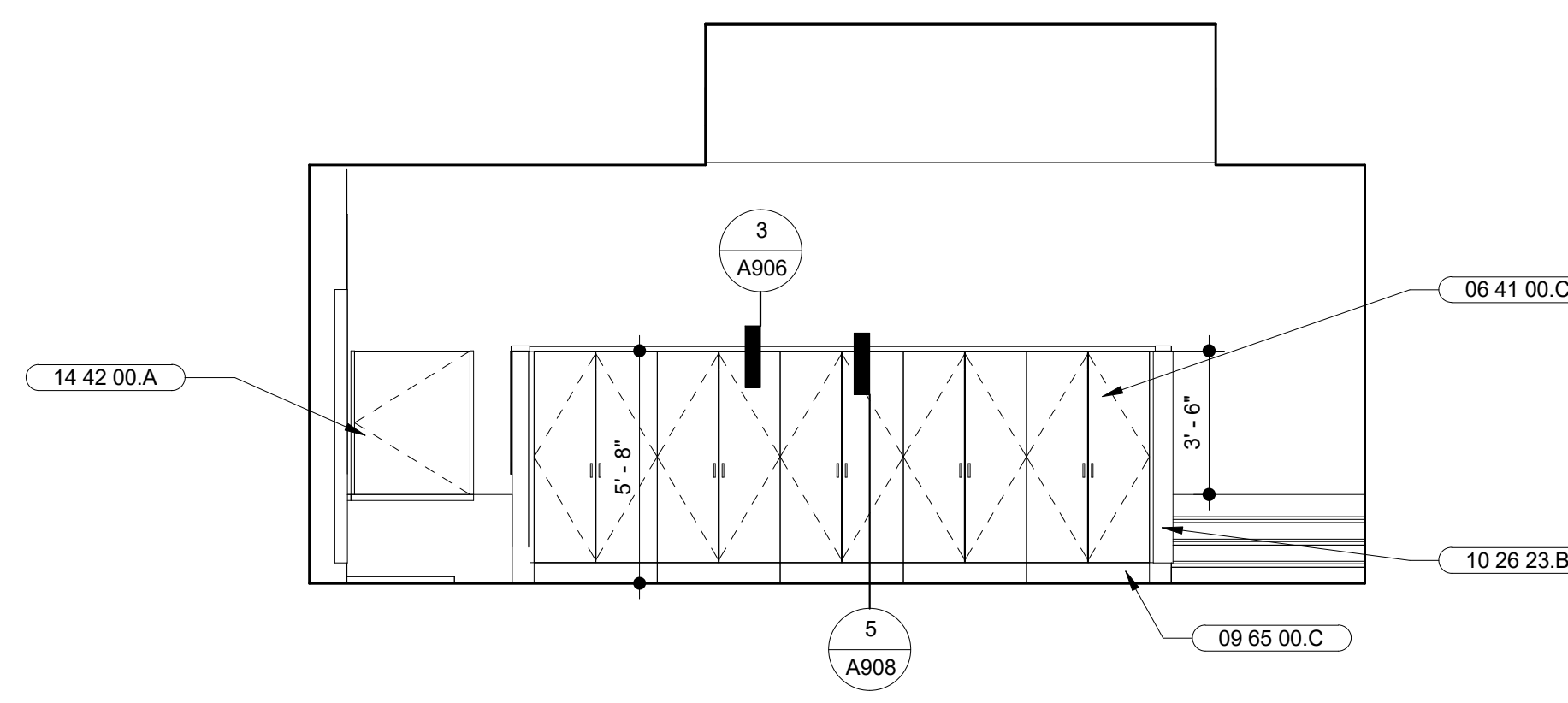
**6** KITCHEN/DINING 206 - ISLAND SOUTH  
SCALE: 1/4" = 1'-0"



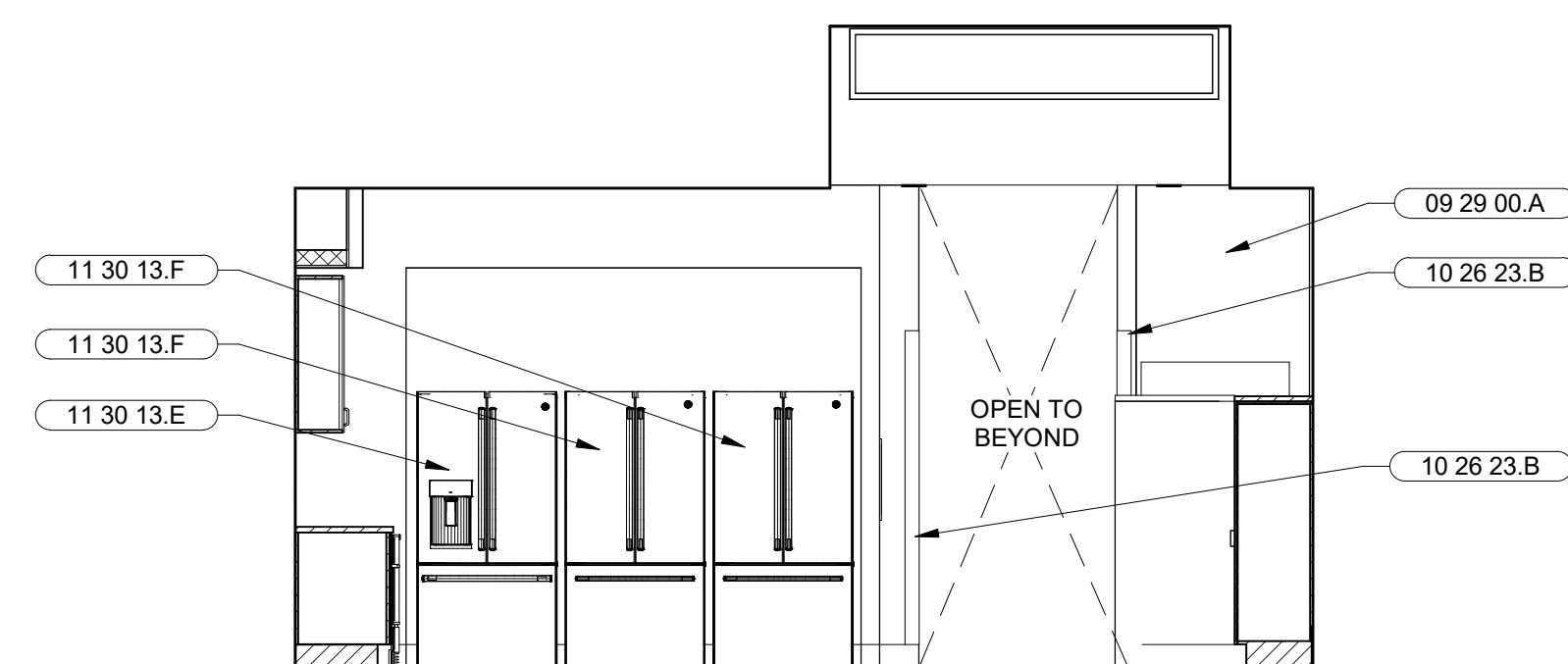
**5** KITCHEN/DINING 206 - ISLAND EAST  
SCALE: 1/4" = 1'-0"



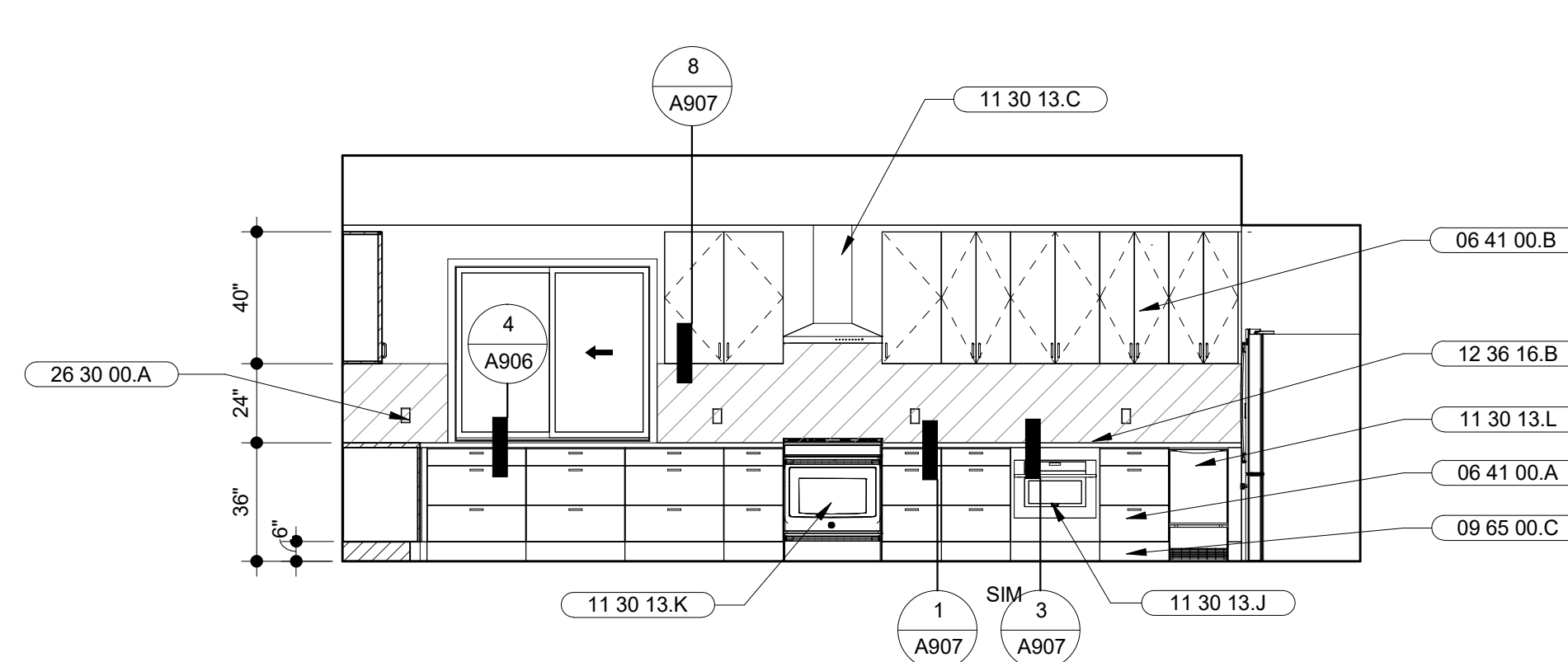
**4** KITCHEN/DINING 206 - NORTH  
SCALE: 1/4" = 1'-0"



**3** KITCHEN/DINING 206 - WEST  
SCALE: 1/4" = 1'-0"



**2** KITCHEN/DINING 206 - SOUTH  
SCALE: 1/4" = 1'-0"

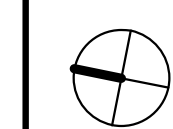


**1** KITCHEN/DINING 206 - EAST  
SCALE: 1/4" = 1'-0"

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION ENLARGED PLAN & INTERIOR ELEVATIONS



**A606**

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
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1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

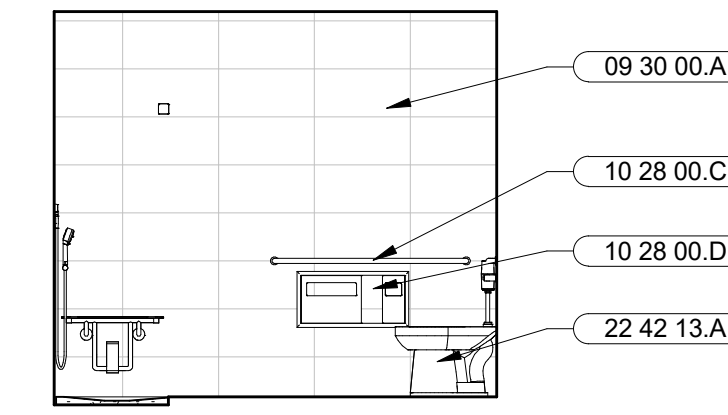
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

**SHEET NOTES**

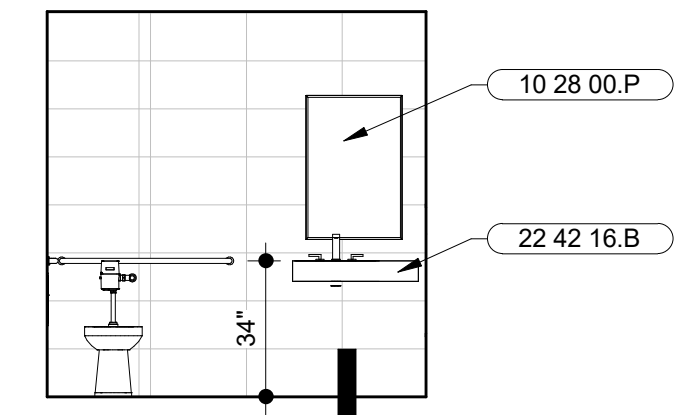
1. ALL DIMENSIONS ARE TO FACE OF FINISH FOR REQUIRED CLEARANCES, U.O.N.
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3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.
4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAIL 3/A902.
5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX
6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.
7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503
8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.
9. FFE SHOWN FOR REFERENCE, OFCI

**KEYNOTES**

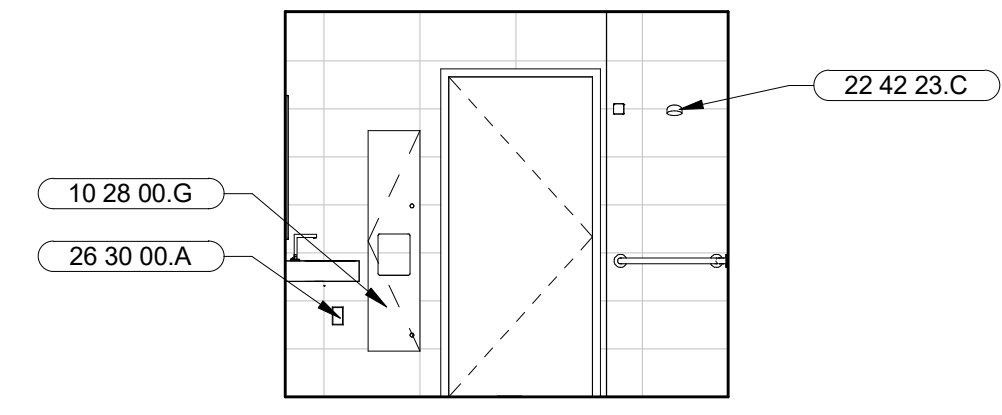
- 09 29 00.A GYPSUM BOARD
- 09 29 00.B MOISTURE RESISTANT GYPSUM BOARD
- 09 30 00.A WALL TILE
- 09 65 00.C RUBBER BASE, ACCESSORIES AND ATTACHMENTS
- 10 28 00.H ADA SHOWER SEAT
- 10 28 00.C ADA GRAB BARS
- 10 28 00.D TOILET PAPER AND SEAT COVER DISPENSER, WASTE DISPOSAL COMBO
- 10 28 00.G PAPER TOWEL DISPENSER AND WASTE BASKET COMBO
- 10 28 00.H SHOWER ROD
- 10 28 00.P RECESSED MEDICINE CABINET
- 10 56 13 CANTILEVER METAL STORAGE SHELVES
- 11 30 13.G WASHER
- 11 30 13.H DRYER
- 22 42 13.A ADA TOILET FLOOR MOUNT, SEE PLUMBING DRAWINGS
- 22 42 16.B LAVATORY WALL MOUNTED, SEE PLUMBING DRAWINGS
- 22 42 16.E UTILITY SINK, SEE PLUMBING DRAWINGS
- 22 42 23.C SHOWER HEAD, SEE PLUMBING DRAWINGS
- 23 81 29.A ADA HANDHELD SHOWER, SEE PLUMBING DRAWINGS
- 26 30 00.A VRF INDOOR WALL MOUNTED UNIT
- 26 30 00.A RECEPTACLE, SEE ELECTRICAL DRAWINGS
- 27 20 00.A NETWORK DATA/VOICE DEVICE PLATE, SEE COMMUNICATION DRAWINGS



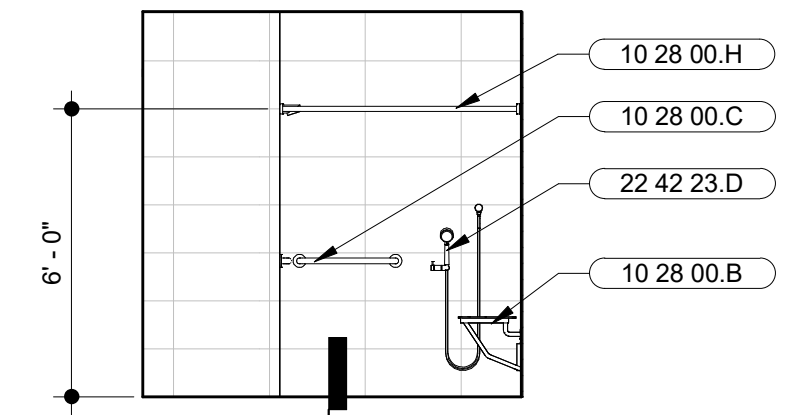
**13** ADA BATH 2 216 - EAST  
SCALE: 1/4" = 1'-0"



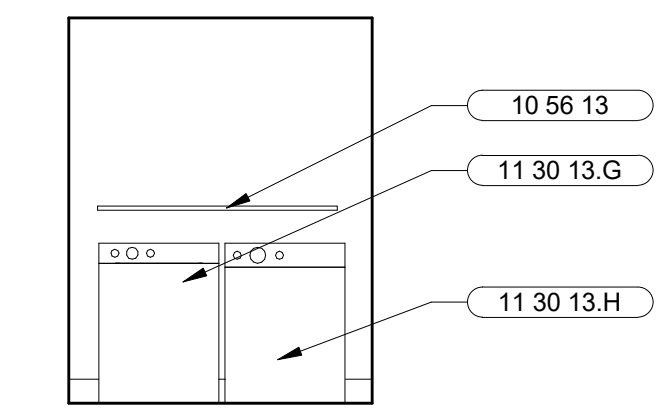
**14** ADA BATH 2 216 - SOUTH  
SCALE: 1/4" = 1'-0"



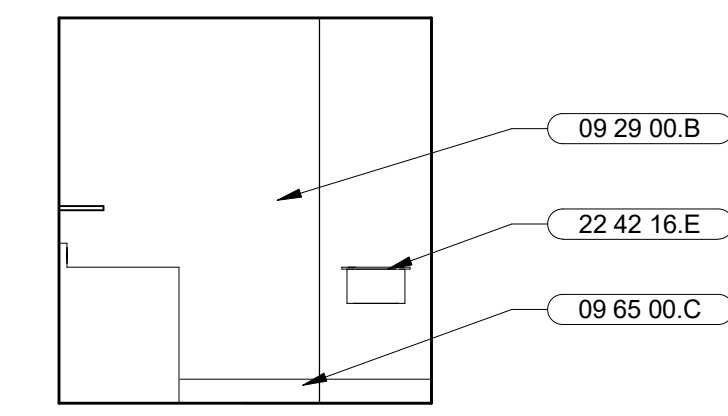
**15** ADA BATH 2 216 - WEST  
SCALE: 1/4" = 1'-0"



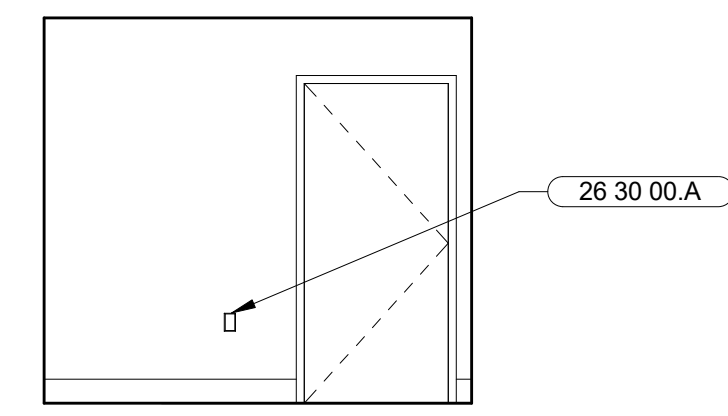
**16** ADA BATH 2 216 - NORTH  
SCALE: 1/4" = 1'-0"



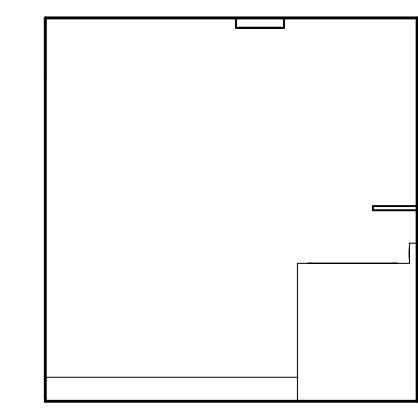
**9** LAUNDRY 215 - EAST  
SCALE: 1/4" = 1'-0"



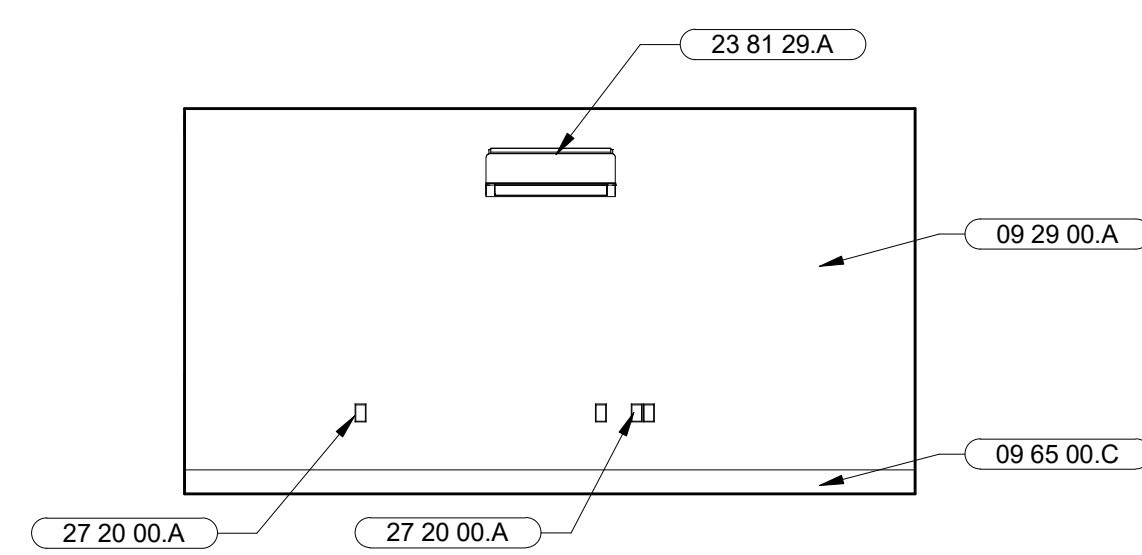
**10** LAUNDRY 215 - SOUTH  
SCALE: 1/4" = 1'-0"



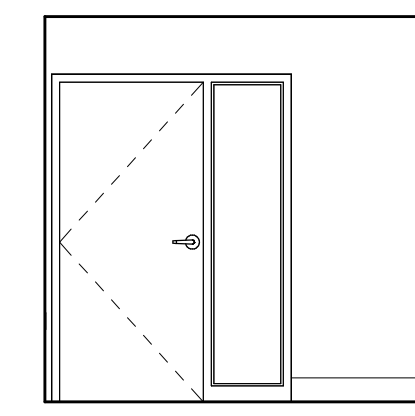
**11** LAUNDRY 215 - WEST  
SCALE: 1/4" = 1'-0"



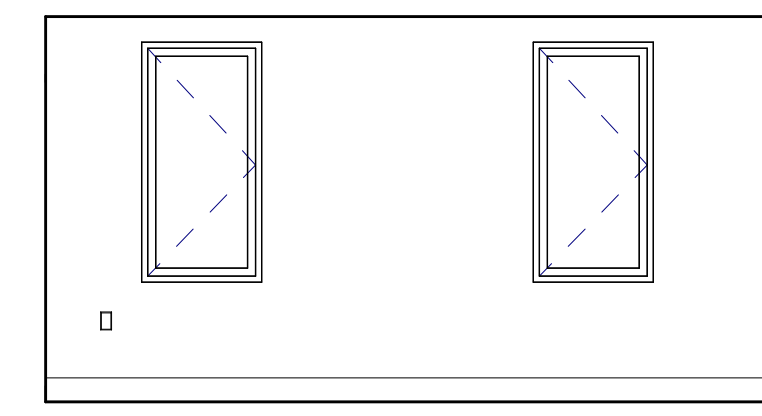
**12** LAUNDRY 215 - NORTH  
SCALE: 1/4" = 1'-0"



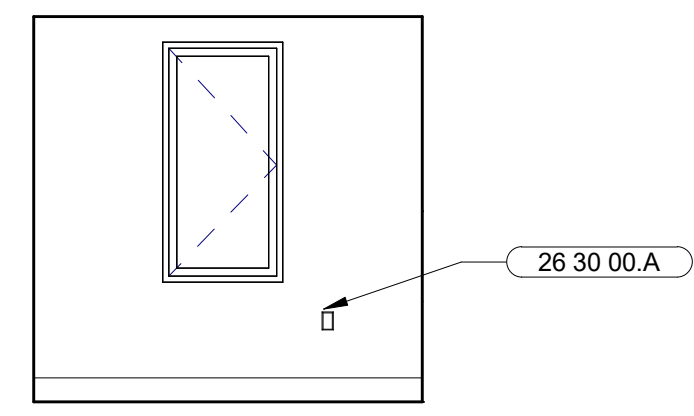
**5** CAPTAINS OFFICE 205 - EAST  
SCALE: 1/4" = 1'-0"



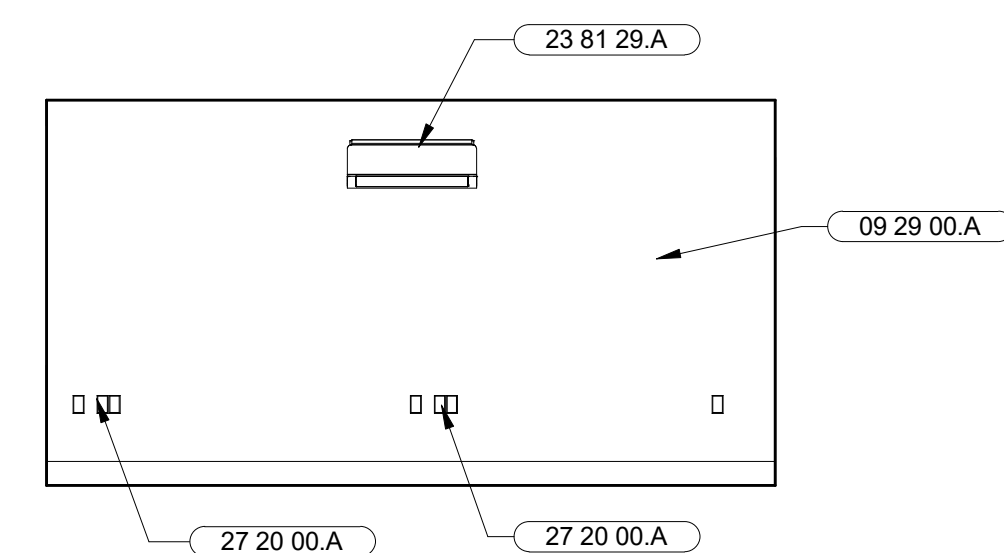
**6** CAPTAINS OFFICE 205 - SOUTH  
SCALE: 1/4" = 1'-0"



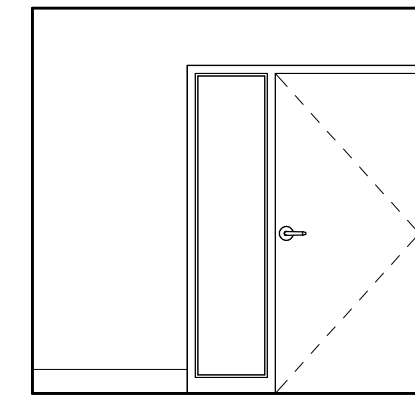
**7** CAPTAINS OFFICE 205 - WEST  
SCALE: 1/4" = 1'-0"



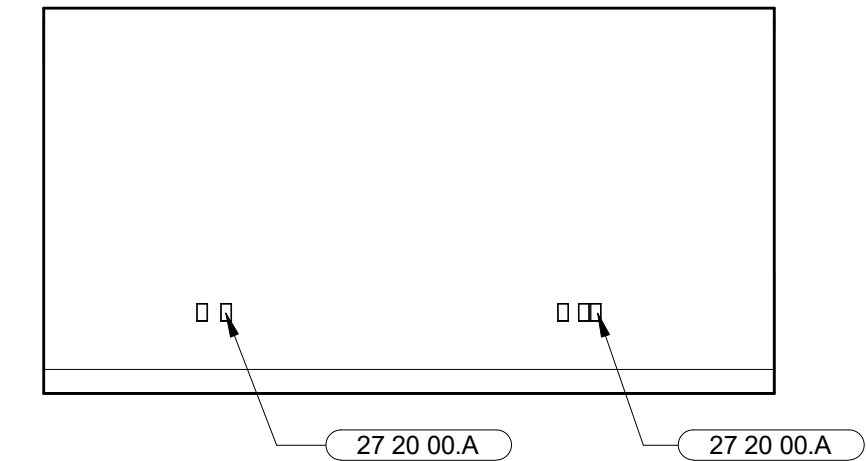
**8** CAPTAINS OFFICE 205 - NORTH  
SCALE: 1/4" = 1'-0"



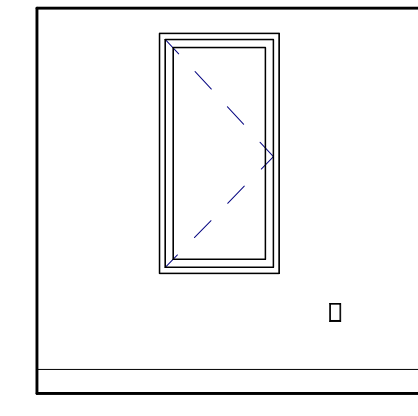
**1** OFFICE 1 204 - EAST  
SCALE: 1/4" = 1'-0"



**2** OFFICE 1 204 - SOUTH  
SCALE: 1/4" = 1'-0"



**3** OFFICE 1 204 - WEST  
SCALE: 1/4" = 1'-0"

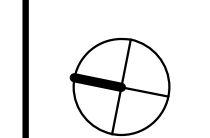


**4** OFFICE 1 204 - NORTH  
SCALE: 1/4" = 1'-0"

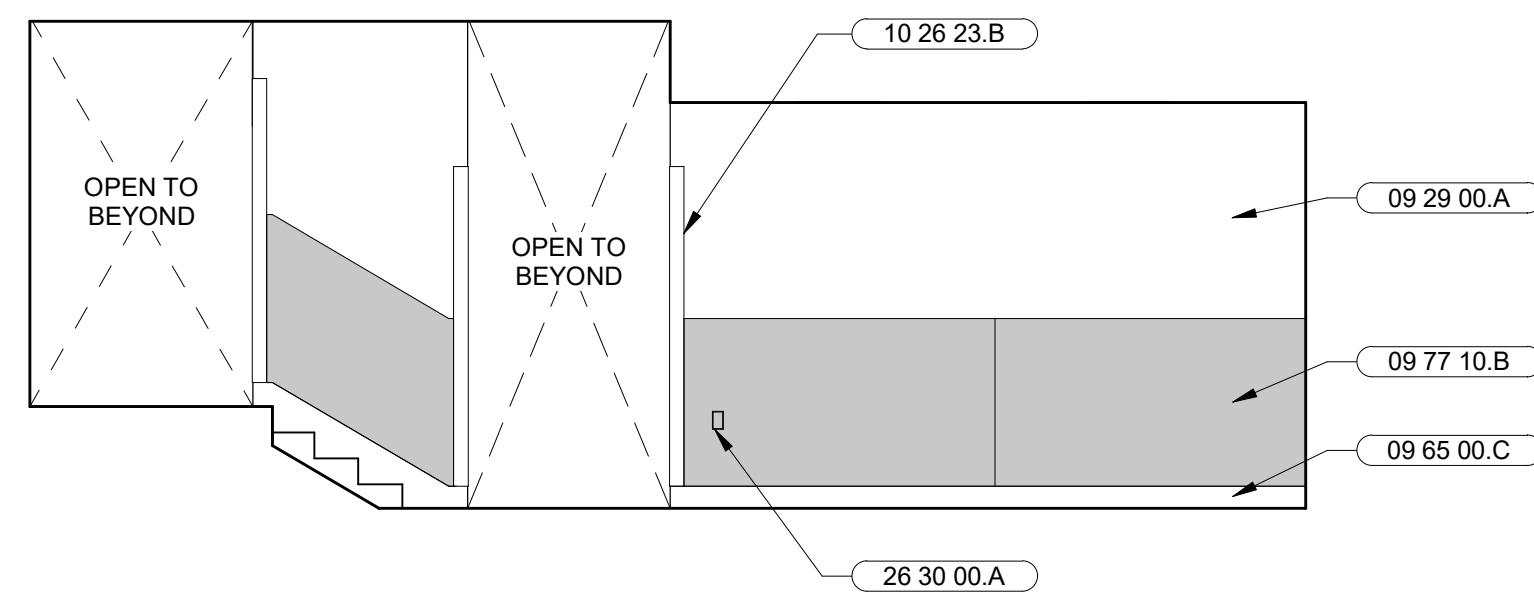
| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

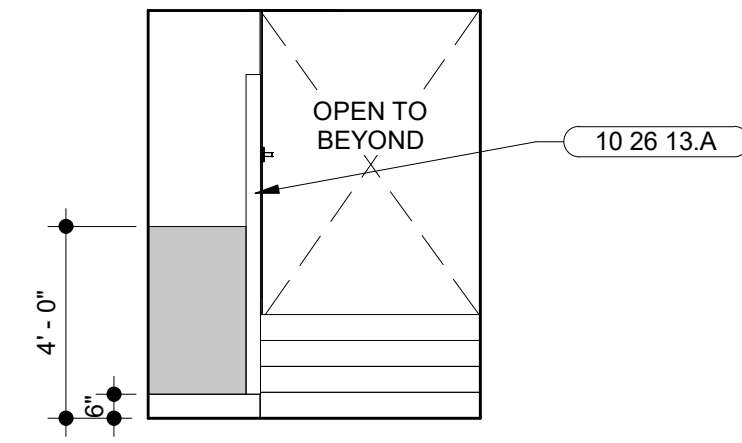
DESCRIPTION ENLARGED PLAN & INTERIOR ELEVATIONS



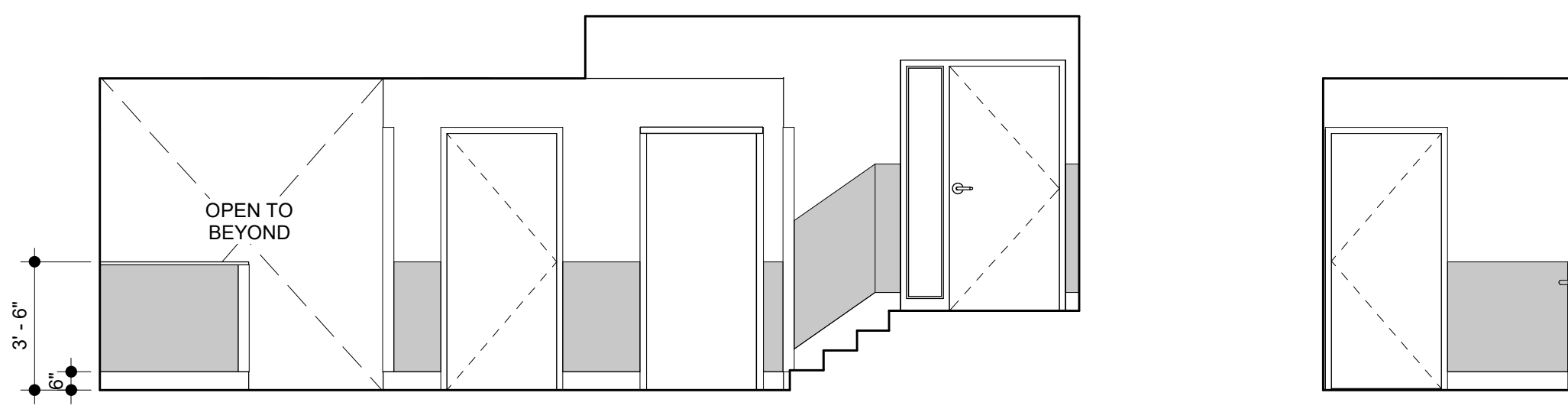
**A607**



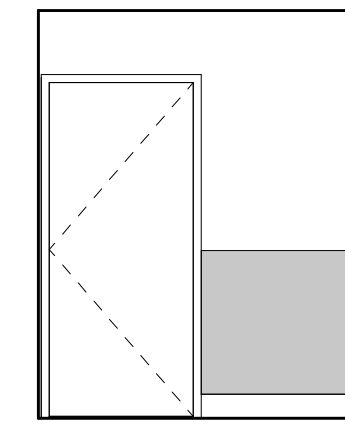
**16** HALL 2 208 - NORTH  
SCALE: 1/4" = 1'-0"



**15** HALL 2 208 - WEST  
SCALE: 1/4" = 1'-0"



**14** HALL 2 208 - SOUTH  
SCALE: 1/4" = 1'-0"



**13** HALL 2 208 - EAST  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

1. ALL DIMENSIONS ARE TO FACE OF FINISH FOR REQUIRED CLEARANCES, U.O.N.
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8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.
9. FFE SHOWN FOR REFERENCE, OFCI

**MARJANG ARCHITECTURE**

STAMP



PROJECT ADDRESS

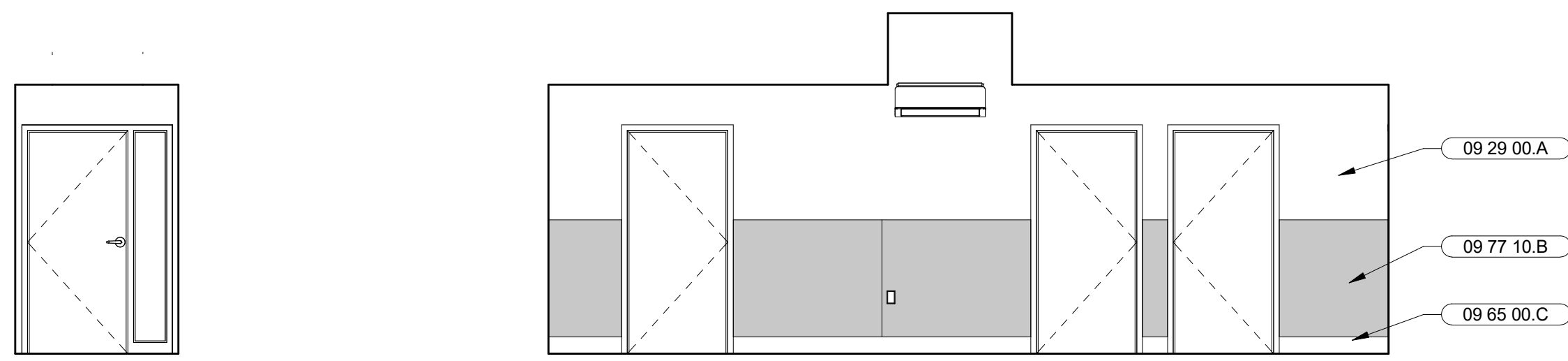
217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

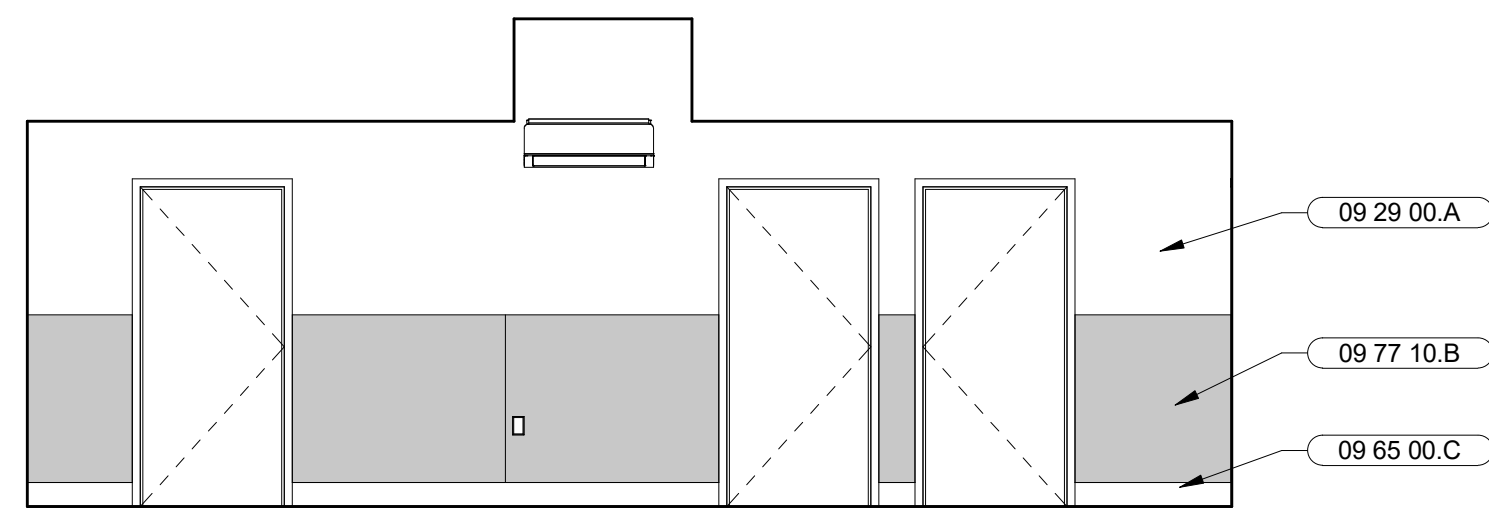
- CLIENT:** KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064
- ARCHITECT:** MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600
- STRUCTURAL:** ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869
- CIVIL:** BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200
- GEOTECH:** HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544
- MEP:** LIST ENGINEERING CO.  
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MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390
- AUDIO/VISUAL:** SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140
- ESTIMATOR:** MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

**KEYNOTES**

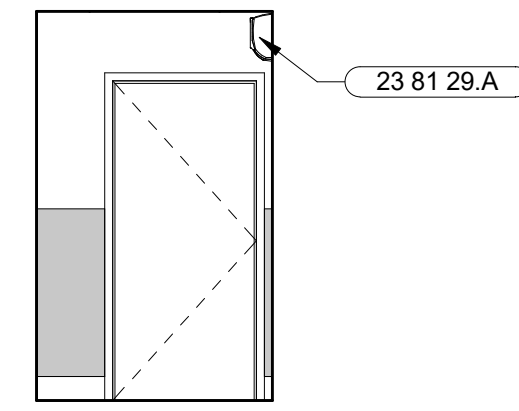
- 09 29 00.A GYPSUM BOARD
- 09 29 00.B MOISTURE RESISTANT GYPSUM BOARD
- 09 30 00.A WALL TILE
- 09 65 00.C RUBBER BASE, ACCESSORIES AND ATTACHMENTS
- 09 77 10.B FIBER REINFORCED LAMINATE WALL PROTECTION PANEL
- 10 26 13.A STAINLESS STEEL CORNER GUARD
- 10 26 23.B STAINLESS STEEL U-GUARD
- 10 28 00.H SHOWER ROD
- 10 28 00.P RECESSED MEDICINE CABINET
- 22 42 13.B TOILET FLOOR MOUNT, SEE PLUMBING DRAWINGS
- 22 42 16.B LAVATORY WALL MOUNTED, SEE PLUMBING DRAWINGS
- 22 42 23.E HANDHELD SHOWER, SEE PLUMBING DRAWINGS
- 23 81 29.A VRF INDOOR WALL MOUNTED UNIT
- 26 30 00.A RECEPTACLE, SEE ELECTRICAL DRAWINGS
- 27 41 16.F FLAT PANEL DISPLAY, SEE AUDIO/VISUAL DRAWINGS



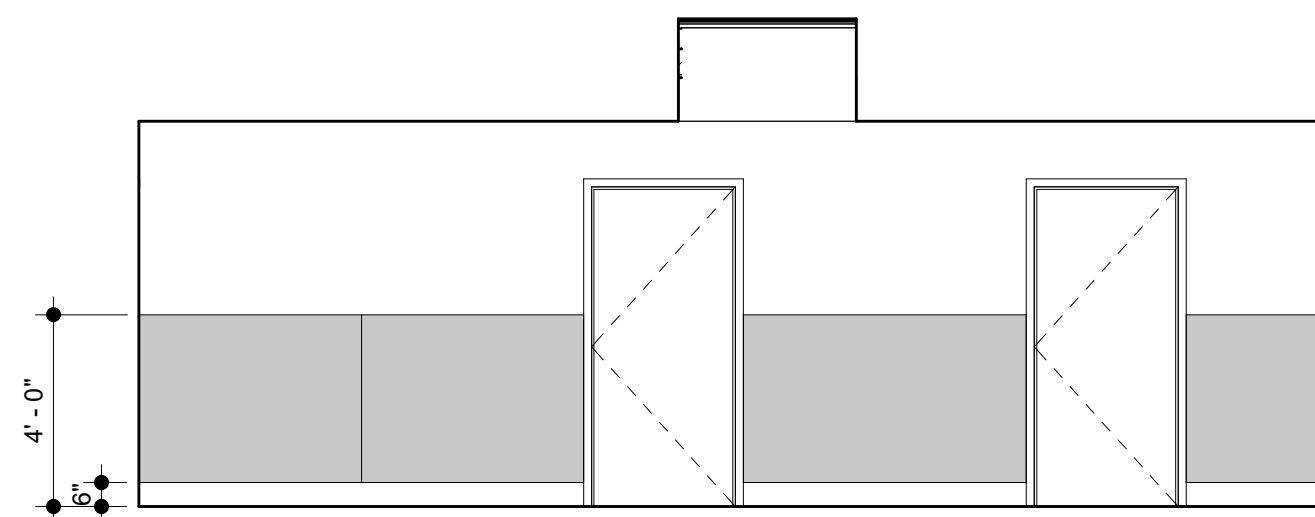
**12** HALL 3 211 - NORTH  
SCALE: 1/4" = 1'-0"



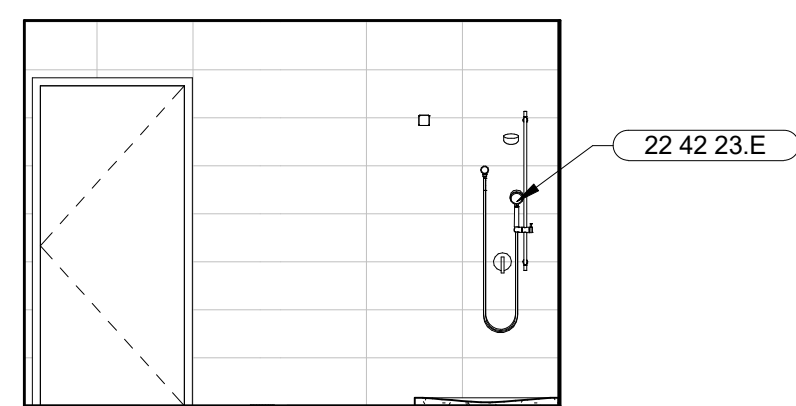
**11** HALL 3 211 - WEST  
SCALE: 1/4" = 1'-0"



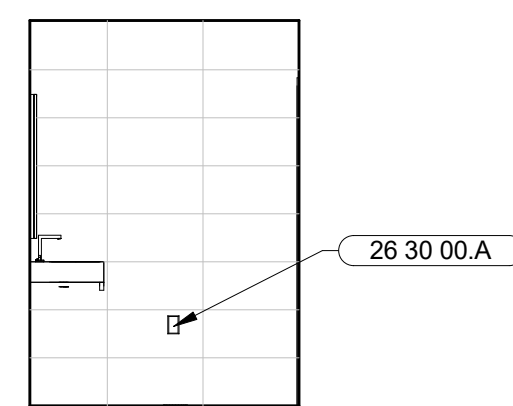
**10** HALL 3 211 - SOUTH  
SCALE: 1/4" = 1'-0"



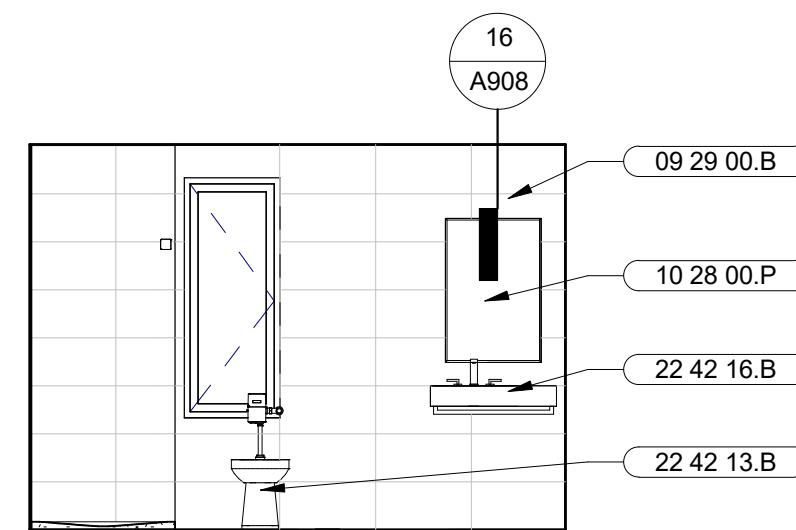
**9** HALL 3 211 - EAST  
SCALE: 1/4" = 1'-0"



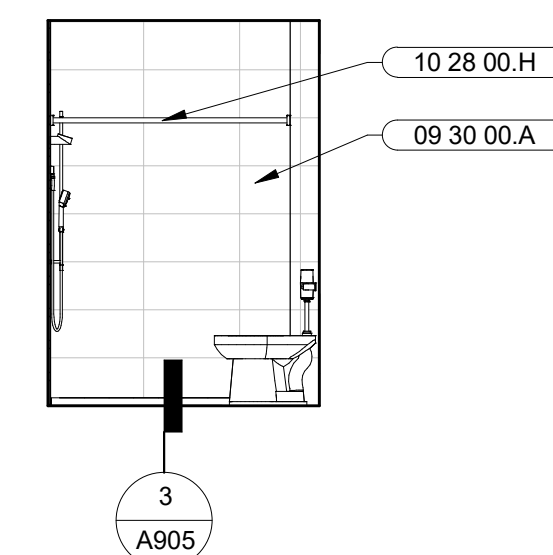
**8** BATH 1 217 - NORTH  
SCALE: 1/4" = 1'-0"



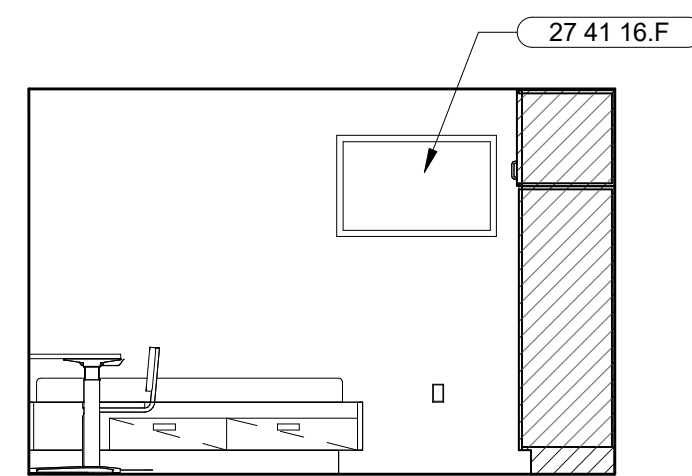
**7** BATH 1 217 - WEST  
SCALE: 1/4" = 1'-0"



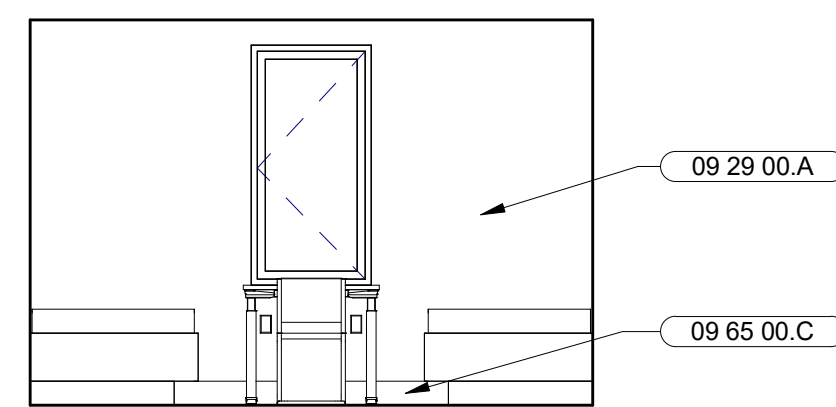
**6** BATH 1 217 - SOUTH  
SCALE: 1/4" = 1'-0"



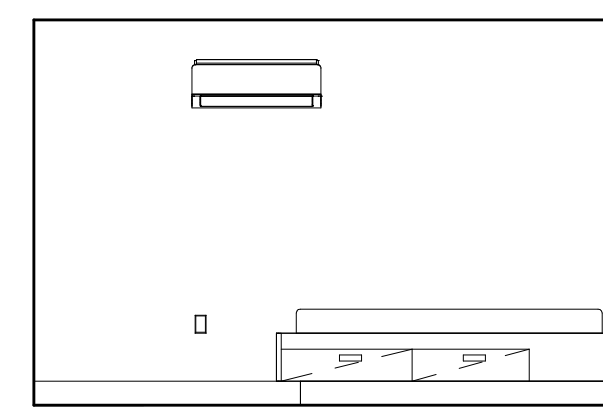
**5** BATH 1 217 - EAST  
SCALE: 1/4" = 1'-0"



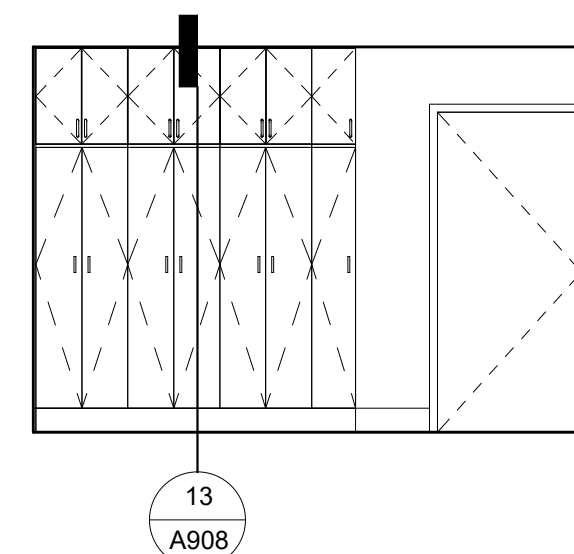
**4** DORM 1 212 - NORTH  
SCALE: 1/4" = 1'-0"



**3** DORM 1 212 - WEST  
SCALE: 1/4" = 1'-0"



**2** DORM 1 212 - SOUTH  
SCALE: 1/4" = 1'-0"

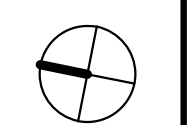


**1** DORM 1 212 - EAST  
SCALE: 1/4" = 1'-0"

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
|     |                            |            |
|     |                            |            |
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|     |                            |            |

JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION ENLARGED PLAN & INTERIOR ELEVATIONS



**A608**

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

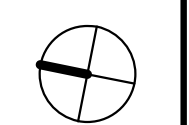
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

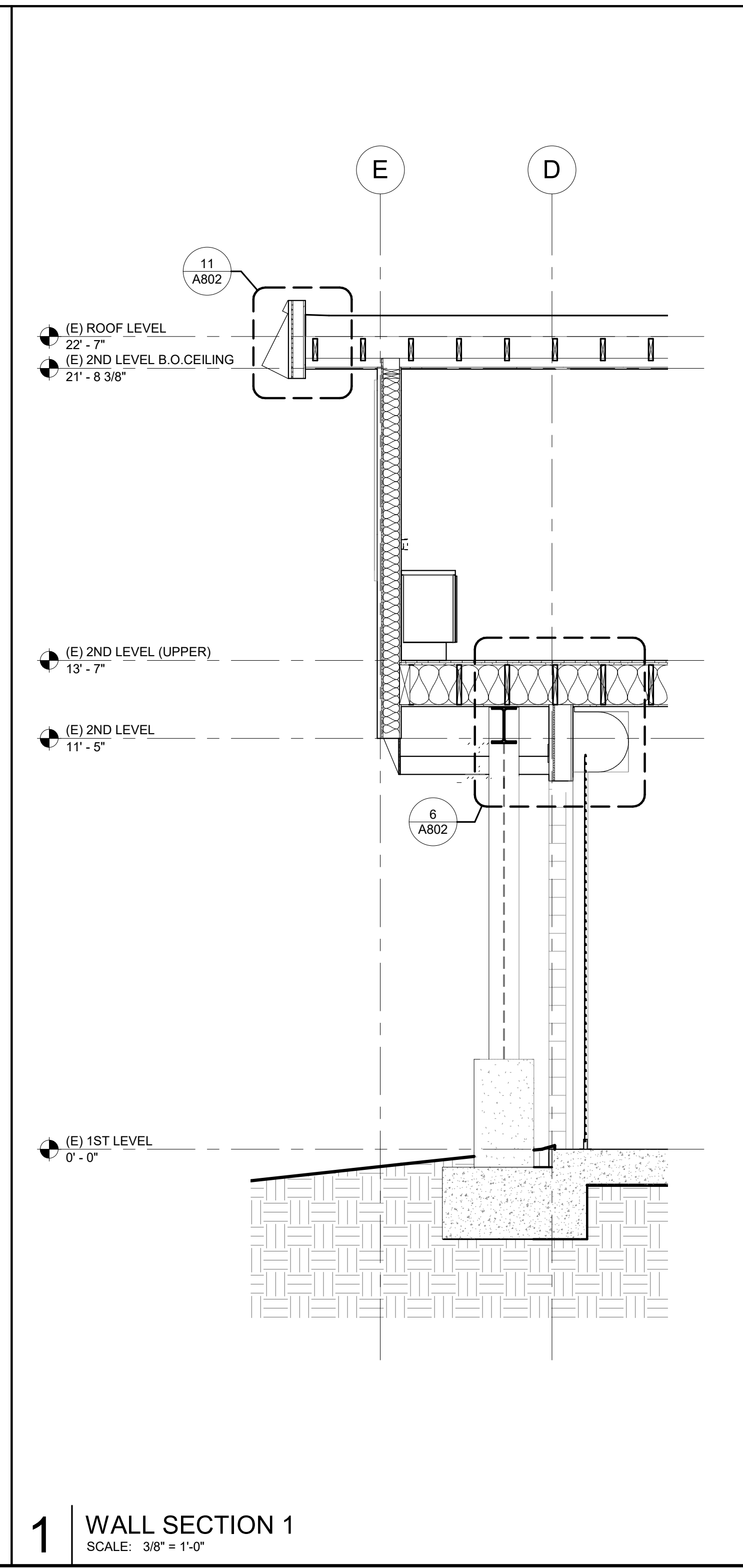
| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
|     |                            |            |
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JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

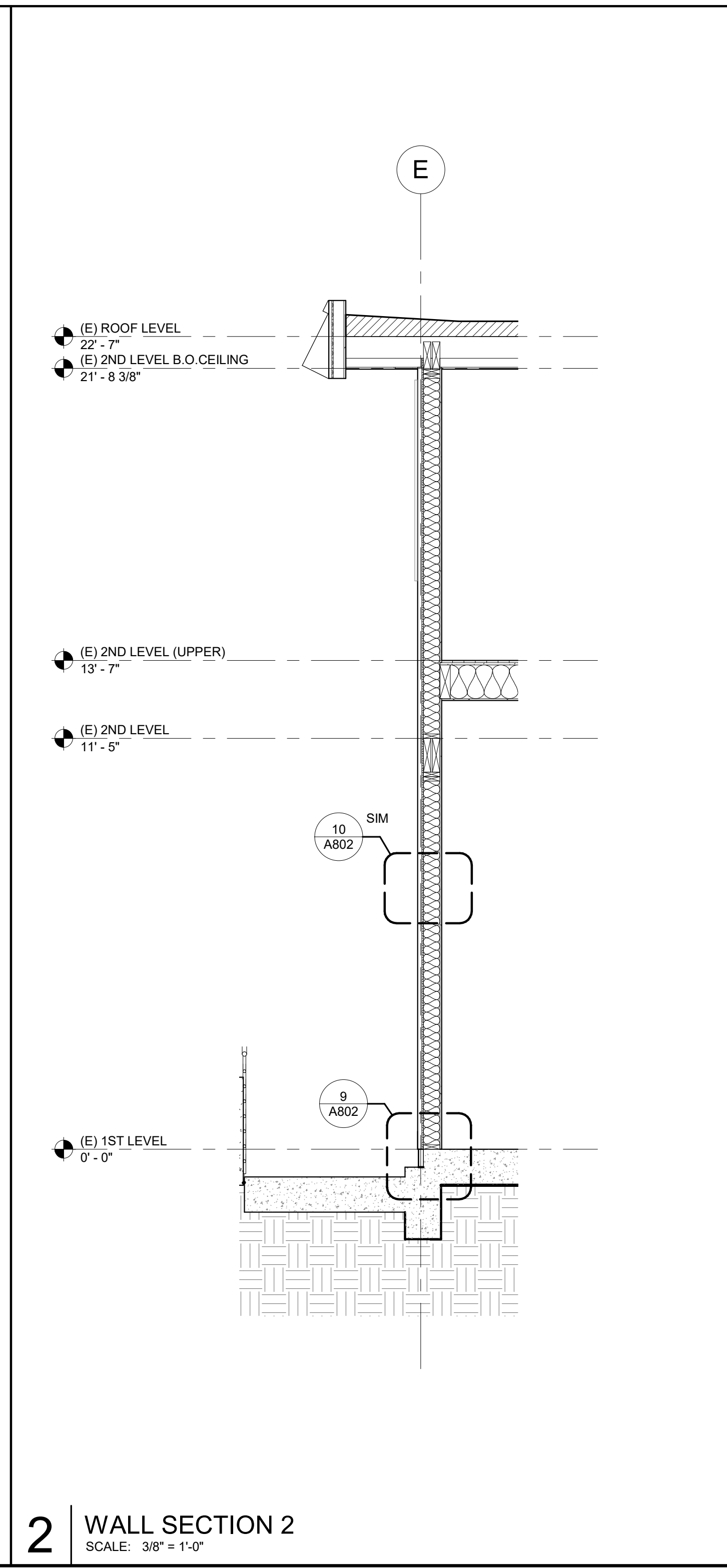
DESCRIPTION  
 WALL SECTIONS



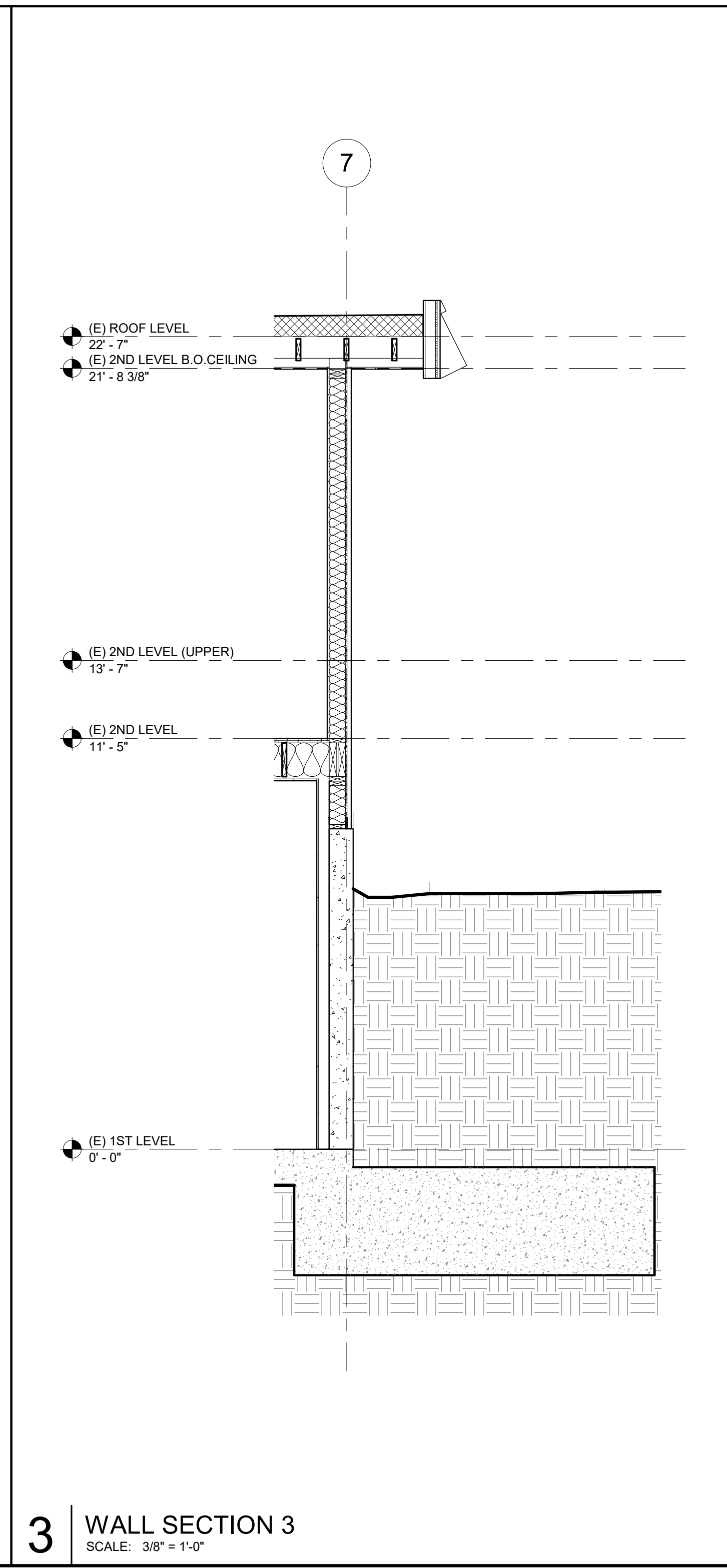
## A701



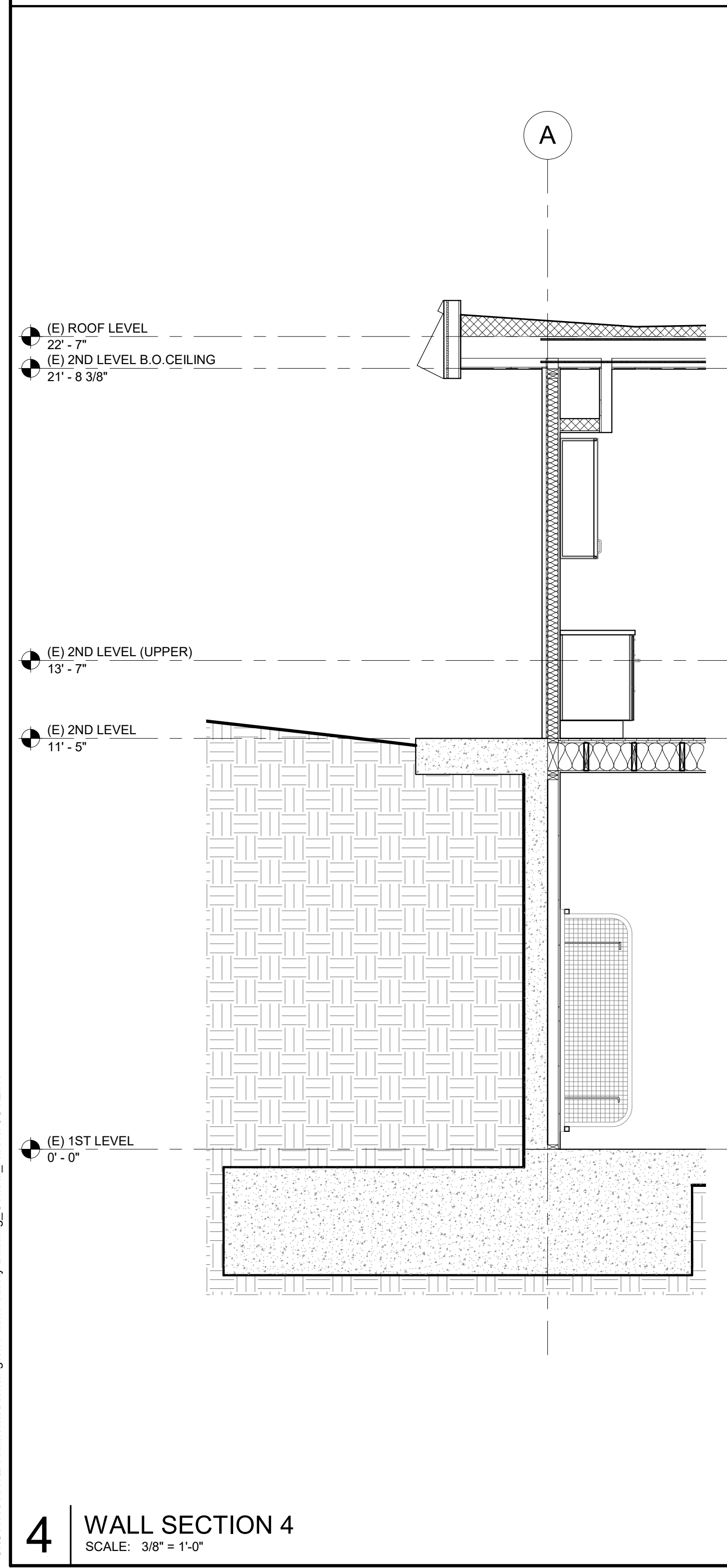
**1** WALL SECTION 1  
 SCALE: 3/8" = 1'-0"



**2** WALL SECTION 2  
 SCALE: 3/8" = 1'-0"



**3** WALL SECTION 3  
 SCALE: 3/8" = 1'-0"



**4** WALL SECTION 4  
 SCALE: 3/8" = 1'-0"

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STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM  
 CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064  
 ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

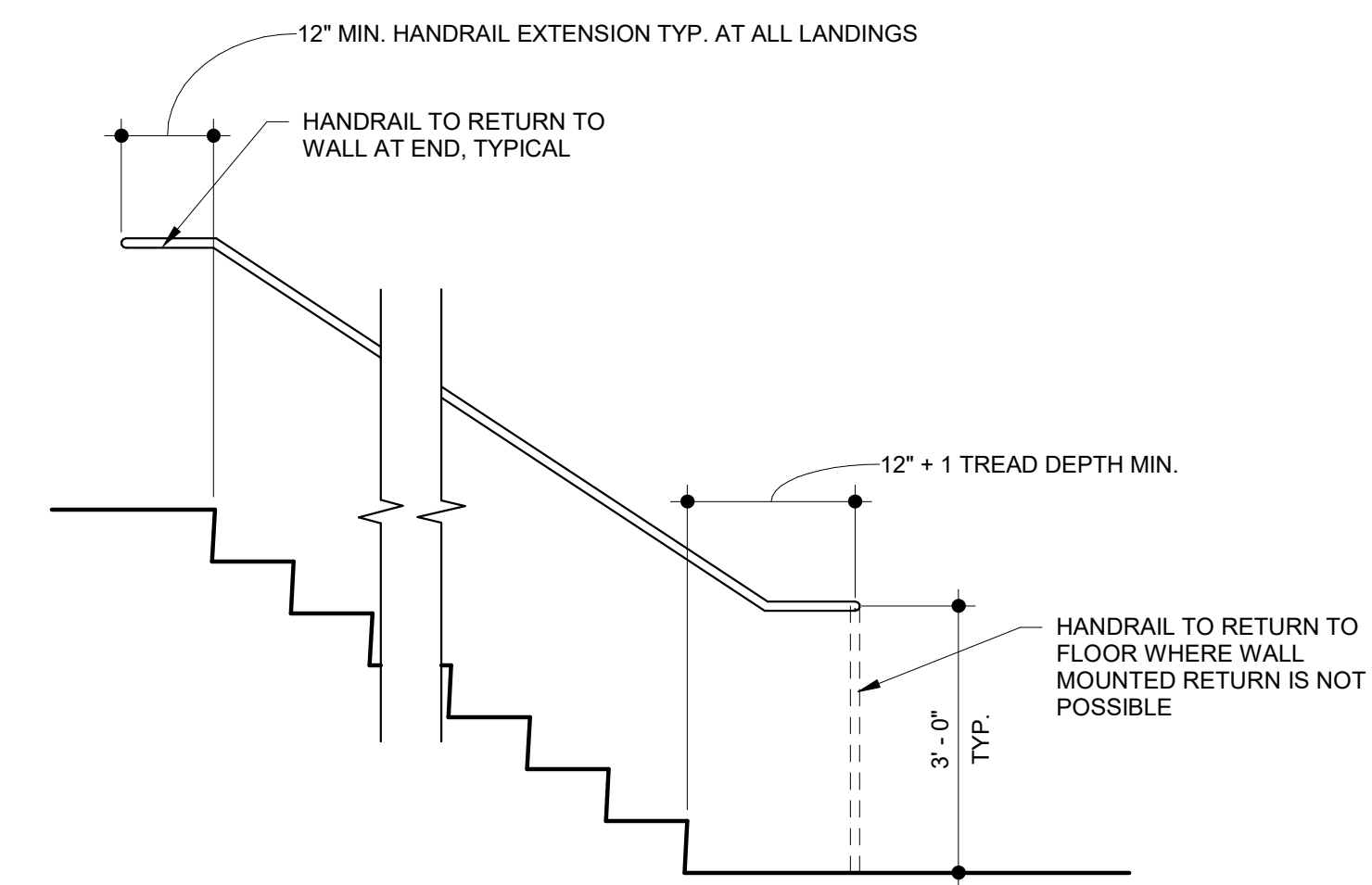
MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

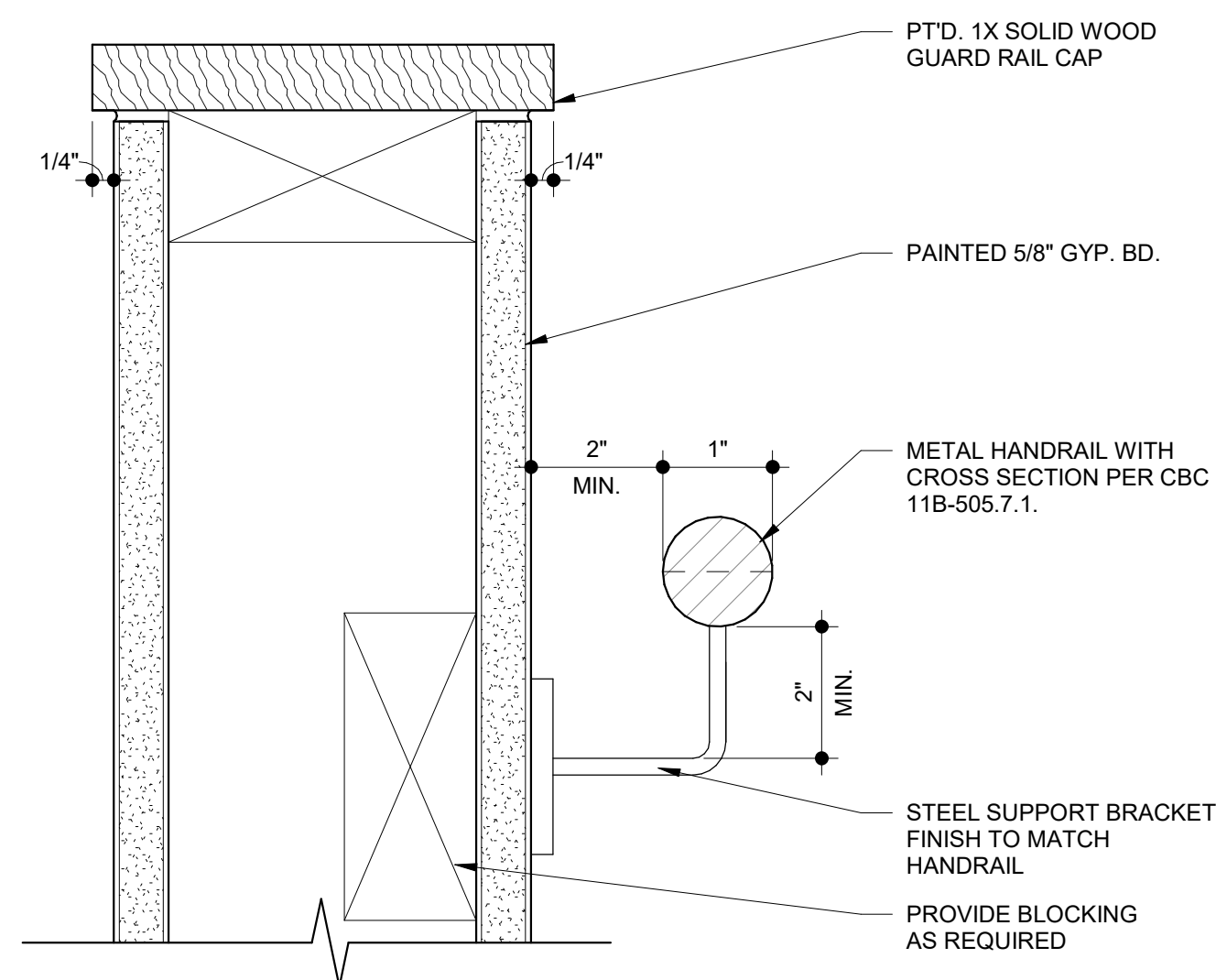
ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

### KEYNOTES

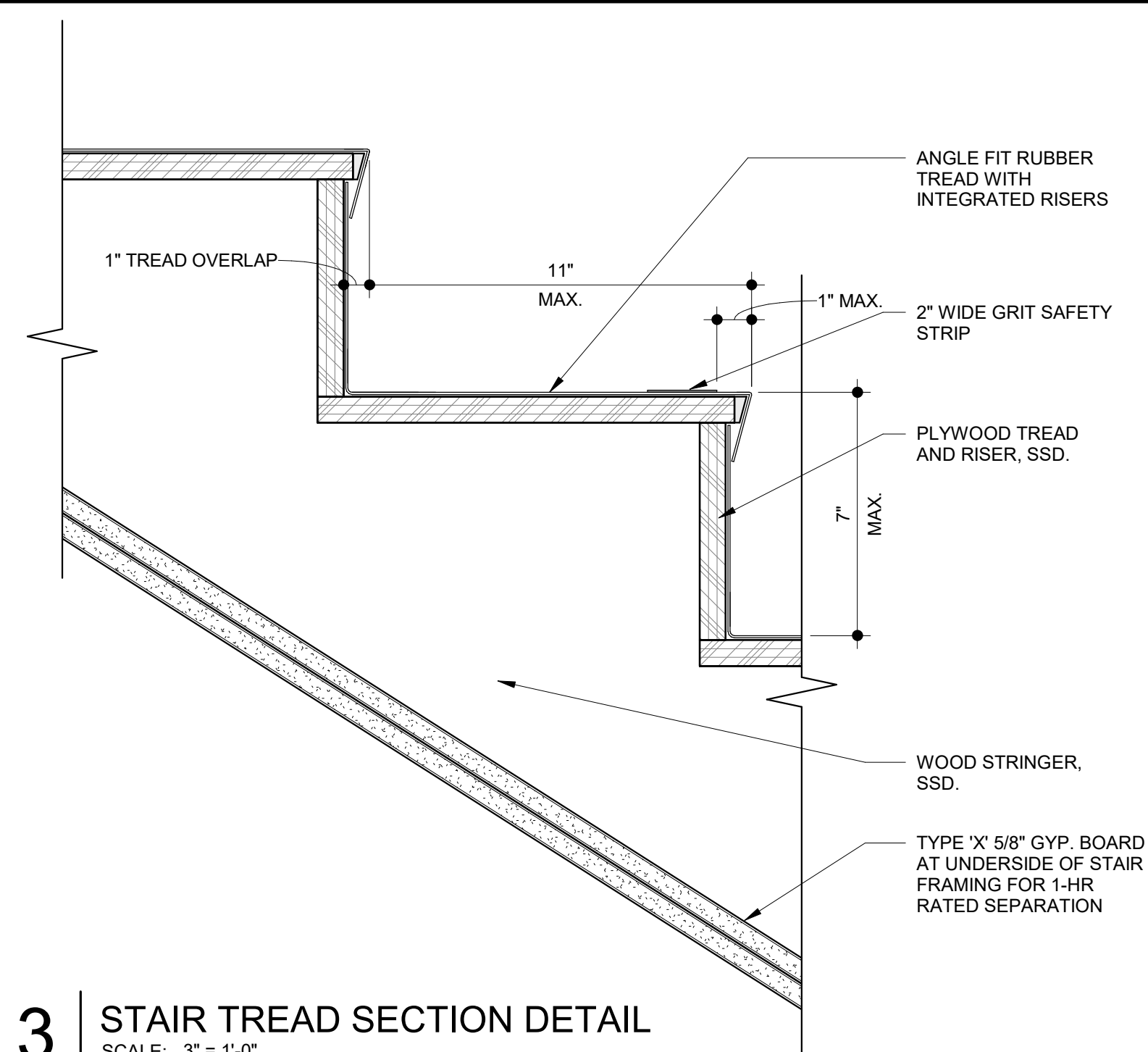
- 05 52 00.A METAL HANDRAIL
- 09 65 00.D VINYL/RUBBER STAIR TREAD AND RISER WITH CONTRASTING ABRASIVE SAFETY STRIP



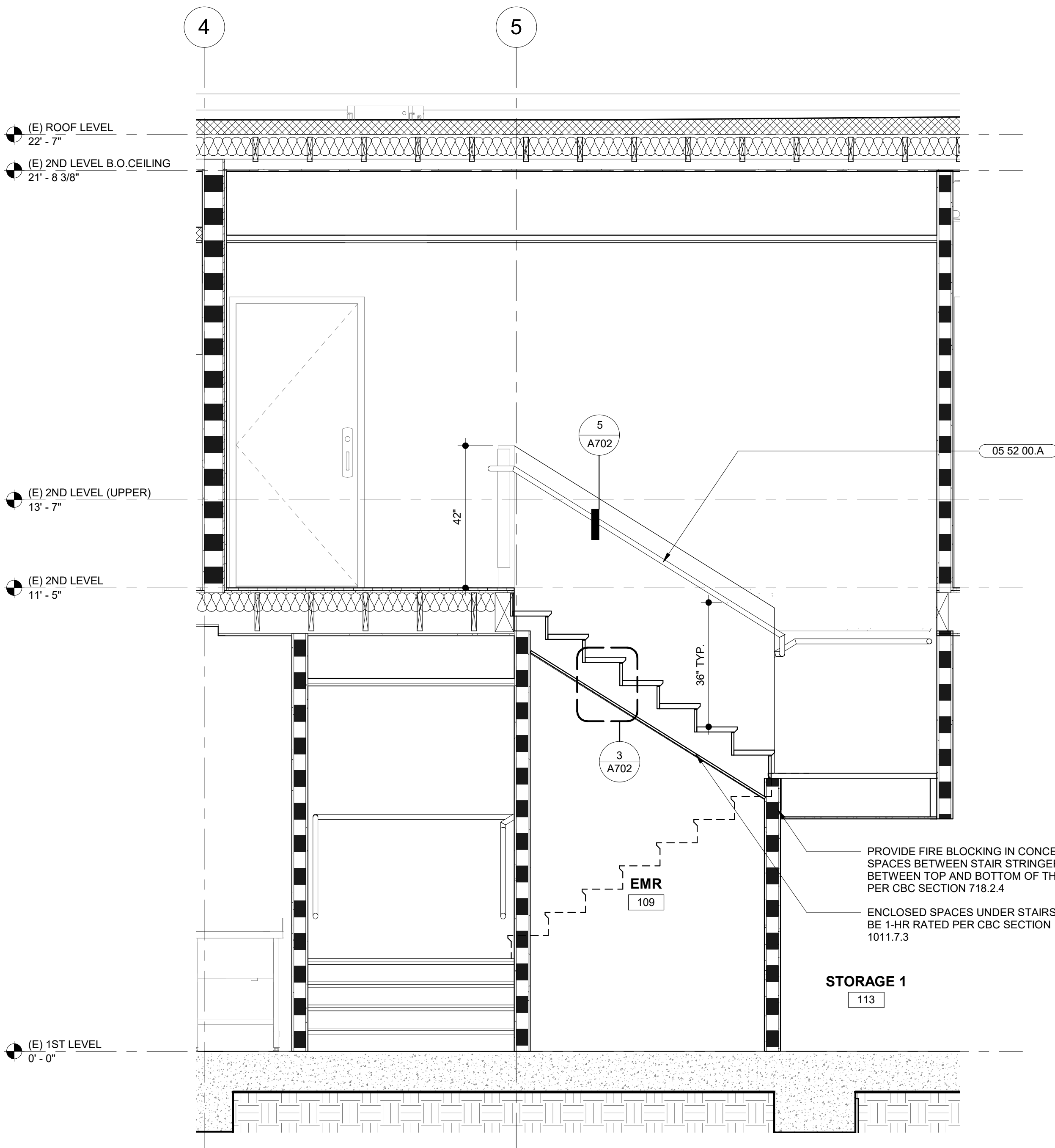
**6** TYPICAL HANDRAIL ELEVATION  
 SCALE: 1/2" = 1'-0"



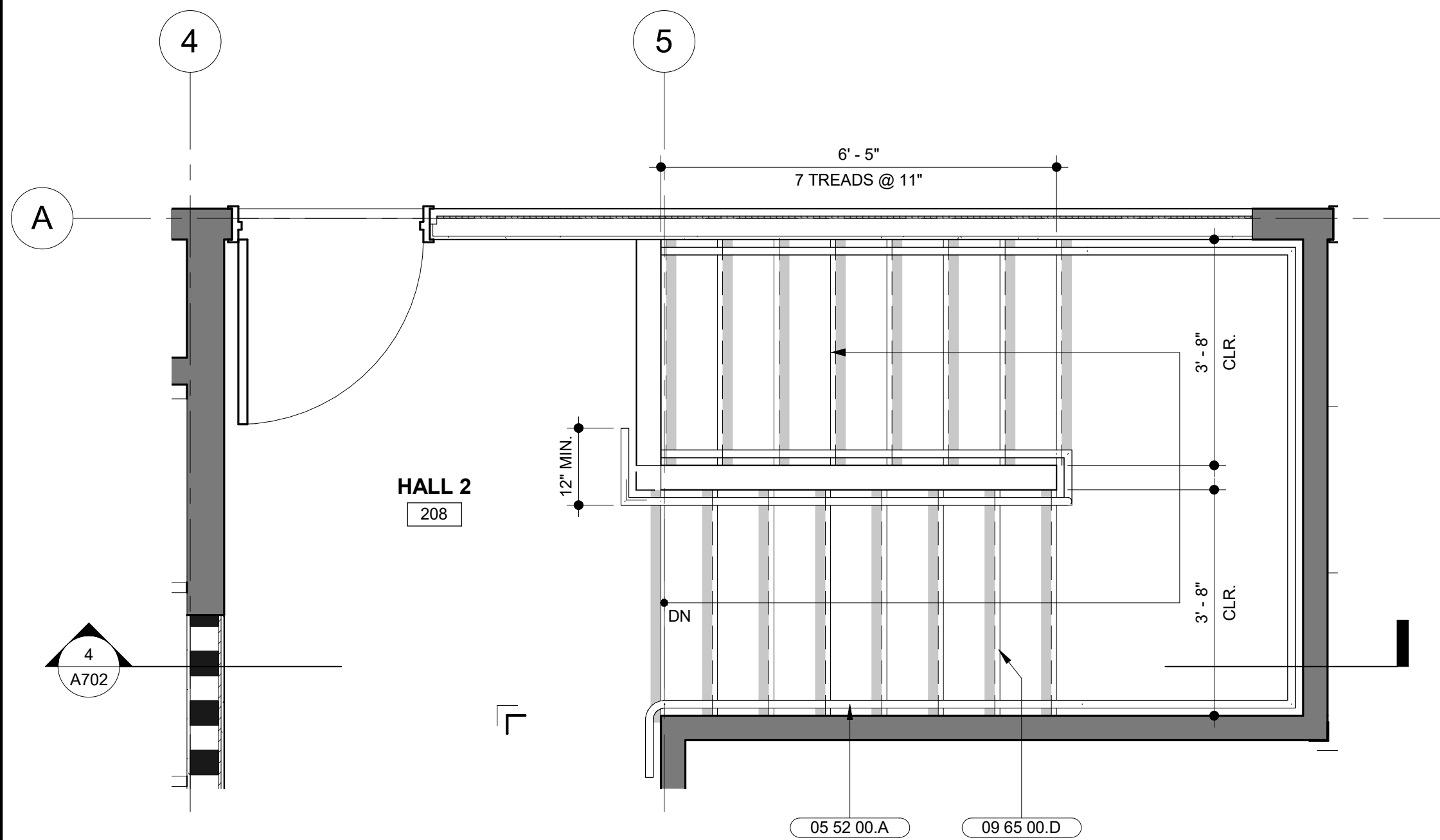
**5** STAIR GUARDRAIL/HANDRAIL SECTION DETAIL  
 SCALE: 6" = 1'-0"



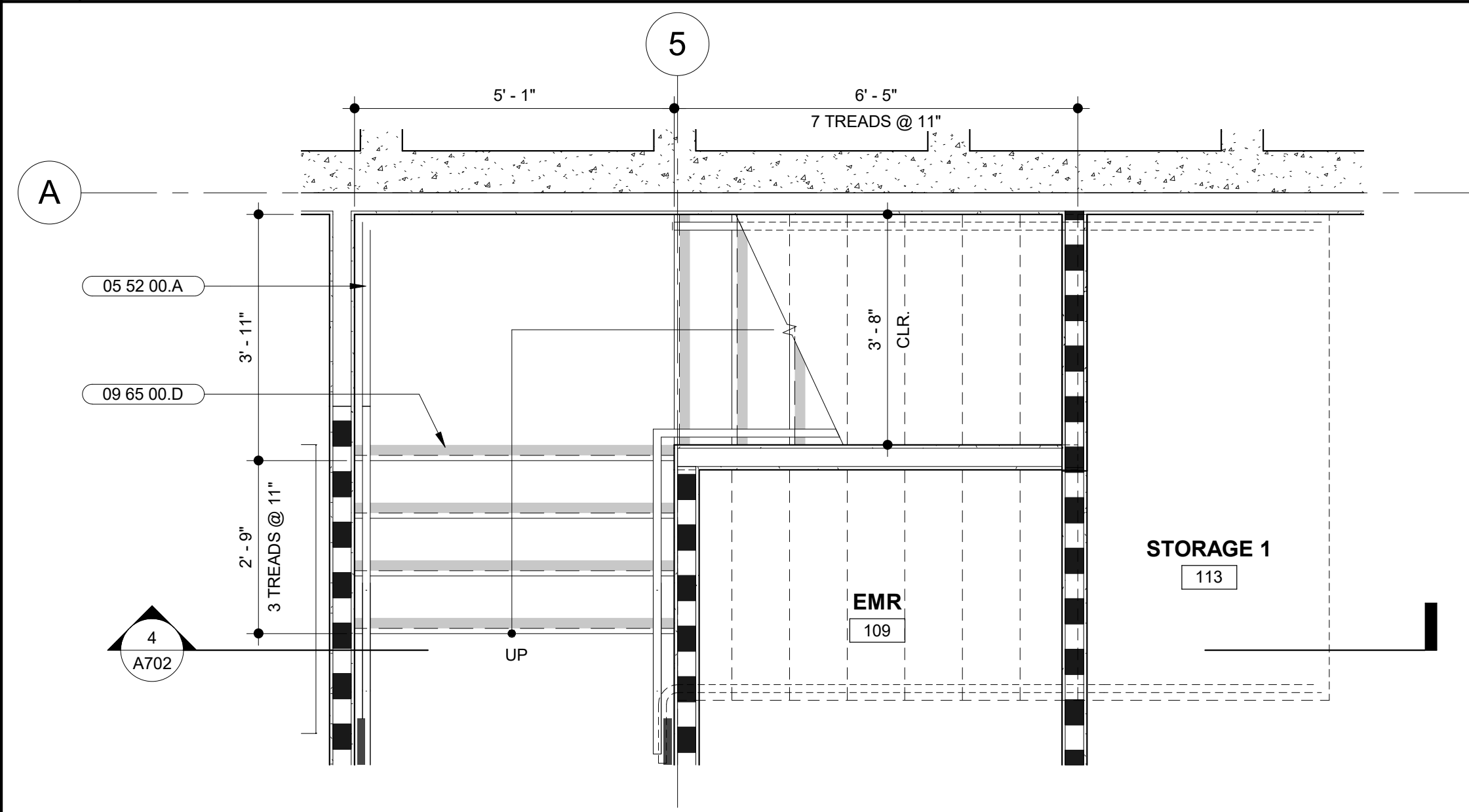
**3** STAIR TREAD SECTION DETAIL  
 SCALE: 3" = 1'-0"



**4** STAIR SECTION 2  
 SCALE: 1/2" = 1'-0"



**2** STAIRS ENLARGED PLAN - 2ND LEVEL  
 SCALE: 1/2" = 1'-0"

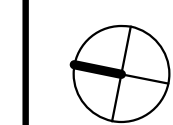


**1** STAIRS ENLARGED PLAN - 1ST LEVEL  
 SCALE: 1/2" = 1'-0"

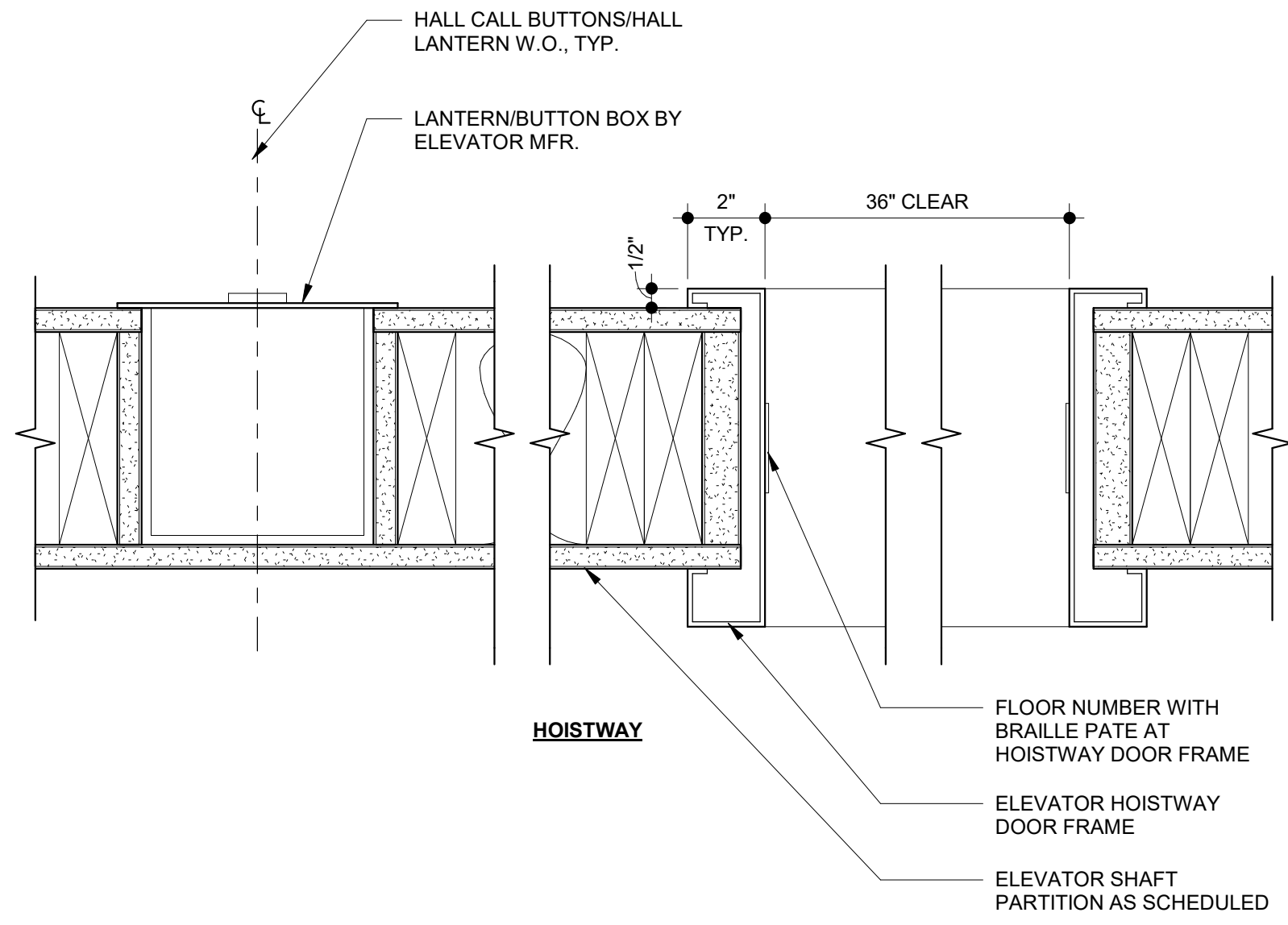
| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
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JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

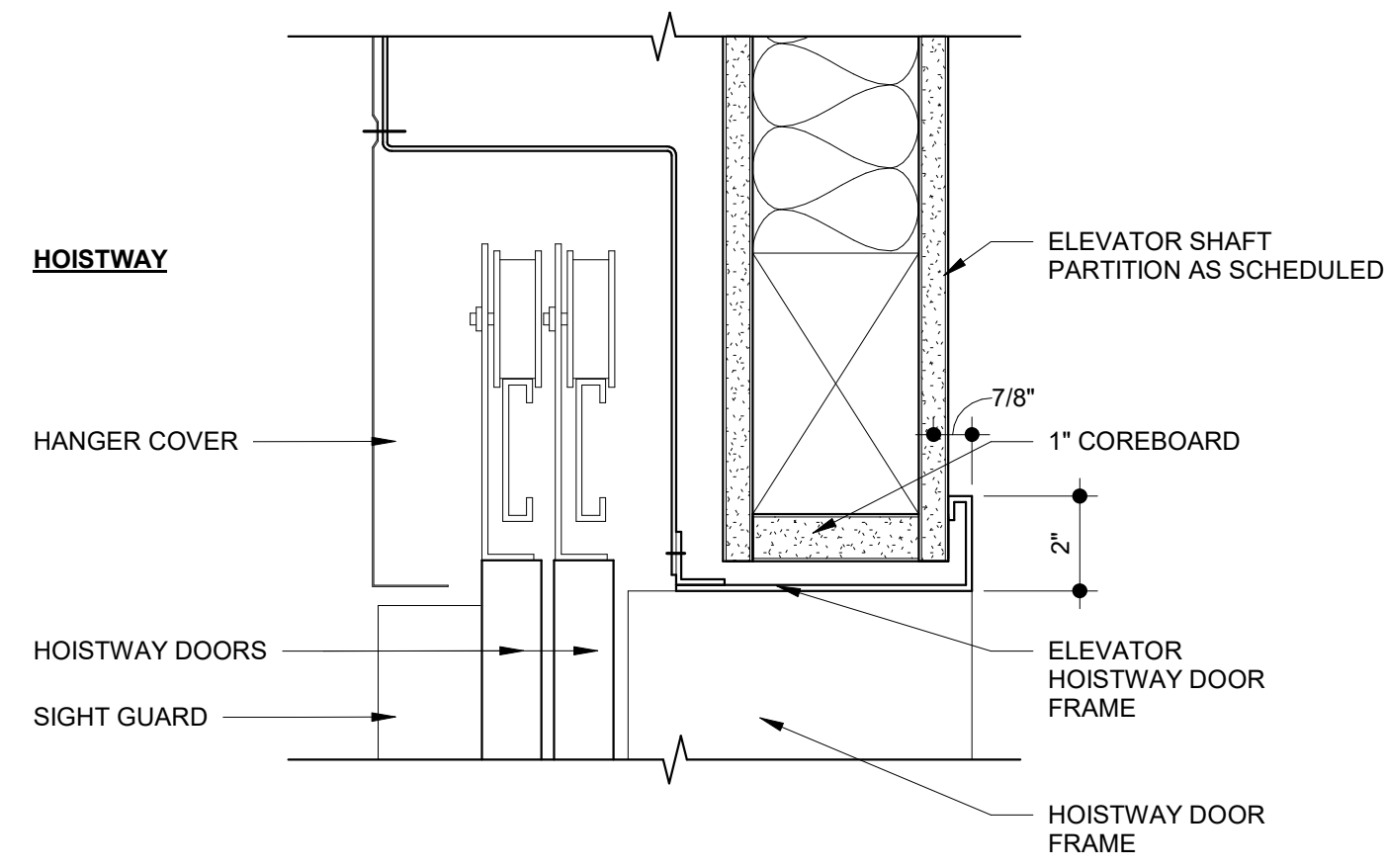
DESCRIPTION  
 ENLARGED STAIR PLAN, SECTION & DETAILS



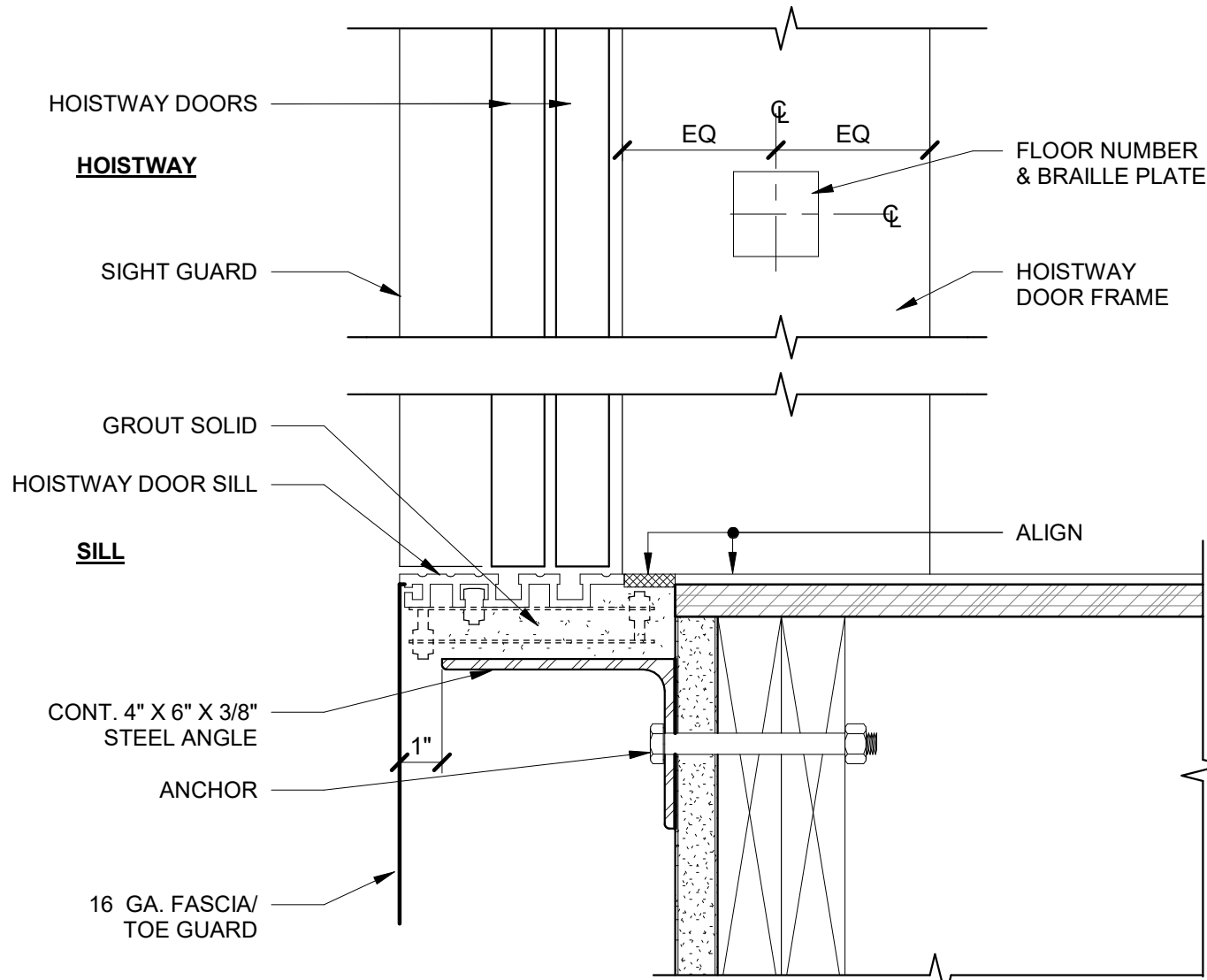
**A702**



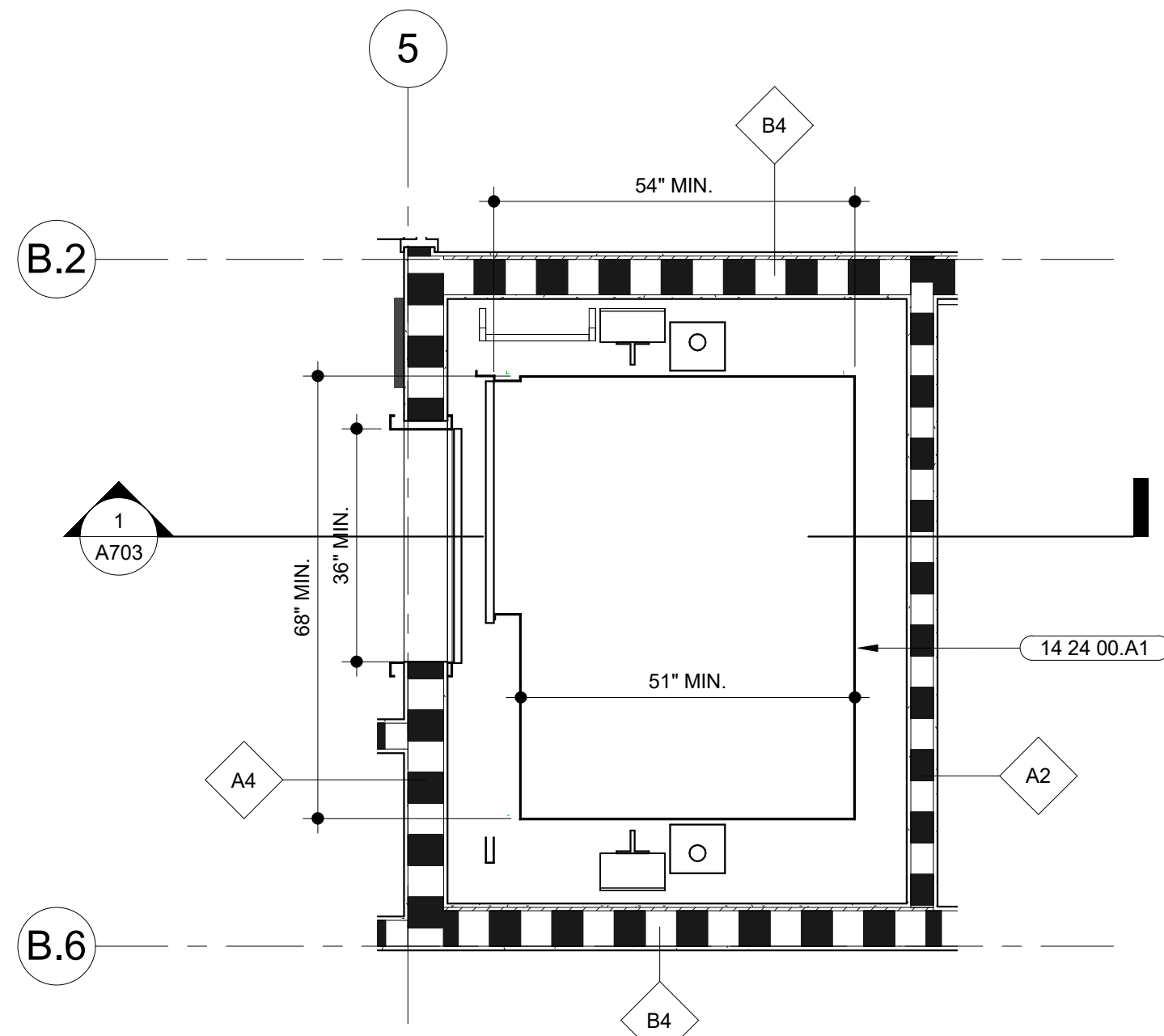
**9** ELEVATOR JAMB DETAIL  
 SCALE: 3" = 1'-0"



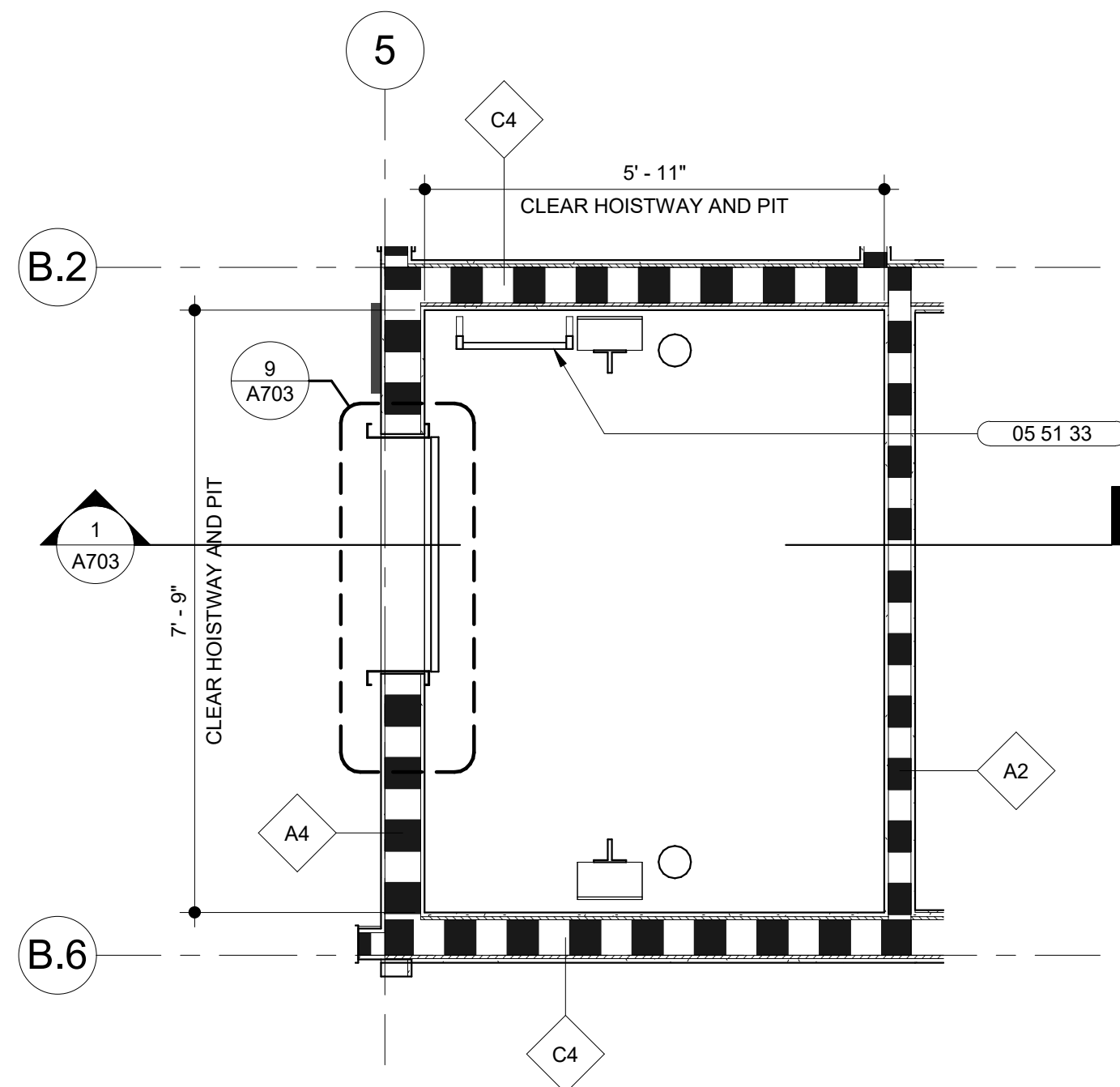
**8** ELEVATOR HEAD DETAIL  
 SCALE: 3" = 1'-0"



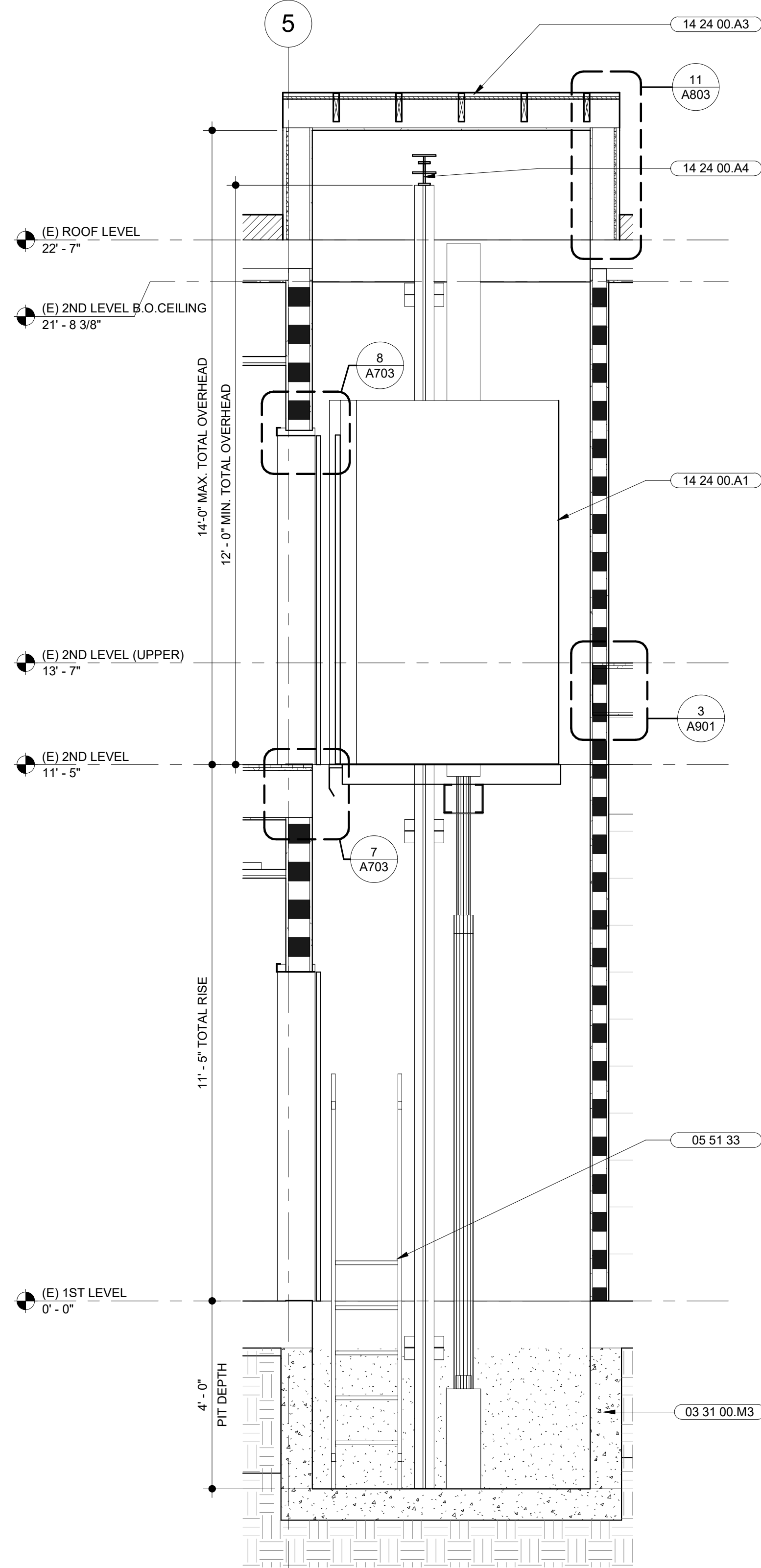
**7** ELEVATOR SILL DETAIL  
 SCALE: 3" = 1'-0"



**5** ELEVATOR ENLARGED PLAN - 2ND LEVEL  
 SCALE: 1/2" = 1'-0"



**4** ELEVATOR ENLARGED PLAN - 1ST LEVEL  
 SCALE: 1/2" = 1'-0"



**1** ELEVATOR SECTION  
 SCALE: 1/2" = 1'-0"

**SHEET NOTES**

- MEDICAL EMERGENCY ELEVATOR NOT REQUIRED PER CBC SECTION 3002.4A EX 3. EACH LANDING IS AT GROUND LEVEL WITH ACCESSIBLE EXIT AT GRADE BY A RAMP.
- ELEVATOR CALL CONTROLS TO CONFORM WITH CBC SECTION 11B-407.2.1

**KEYNOTES**

- 03 31 00.M3 CAST IN PLACE ELEVATOR PIT CONCRETE WALL, SSD.  
 05 51 33 STEEL RUNG LADDER AT ELEVATOR PIT. ALIGN RUNGS WITH FLOOR LEVEL.  
 14 24 00.A1 HYDRAULIC ELEVATOR  
 14 24 00.A3 ELEVATOR HOISTWAY OVERHEAD  
 14 24 00.A4 ELEVATOR HOISTWAY OVERHEAD BEAM, SSD.

**MARJANG ARCHITECTURE**



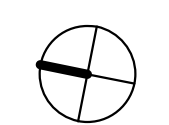
PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM  
 CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE.  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064  
 ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600  
 STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869  
 CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200  
 GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544  
 MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390  
 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
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 850 S. VAN NESS AVE. #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 ENLARGED ELEVATOR PLAN, SECTION & DETAILS



**A703**

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE.  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

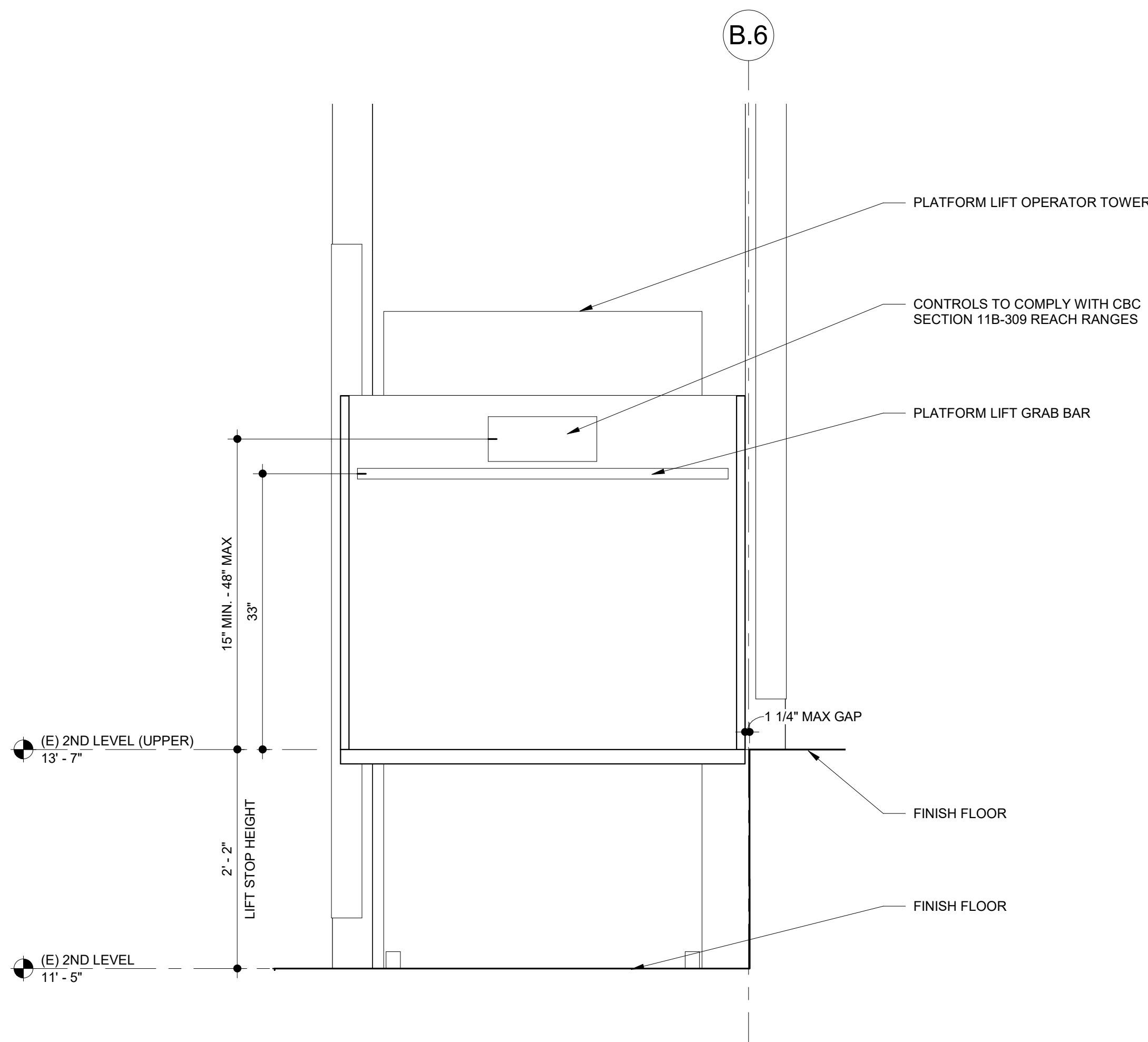
MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
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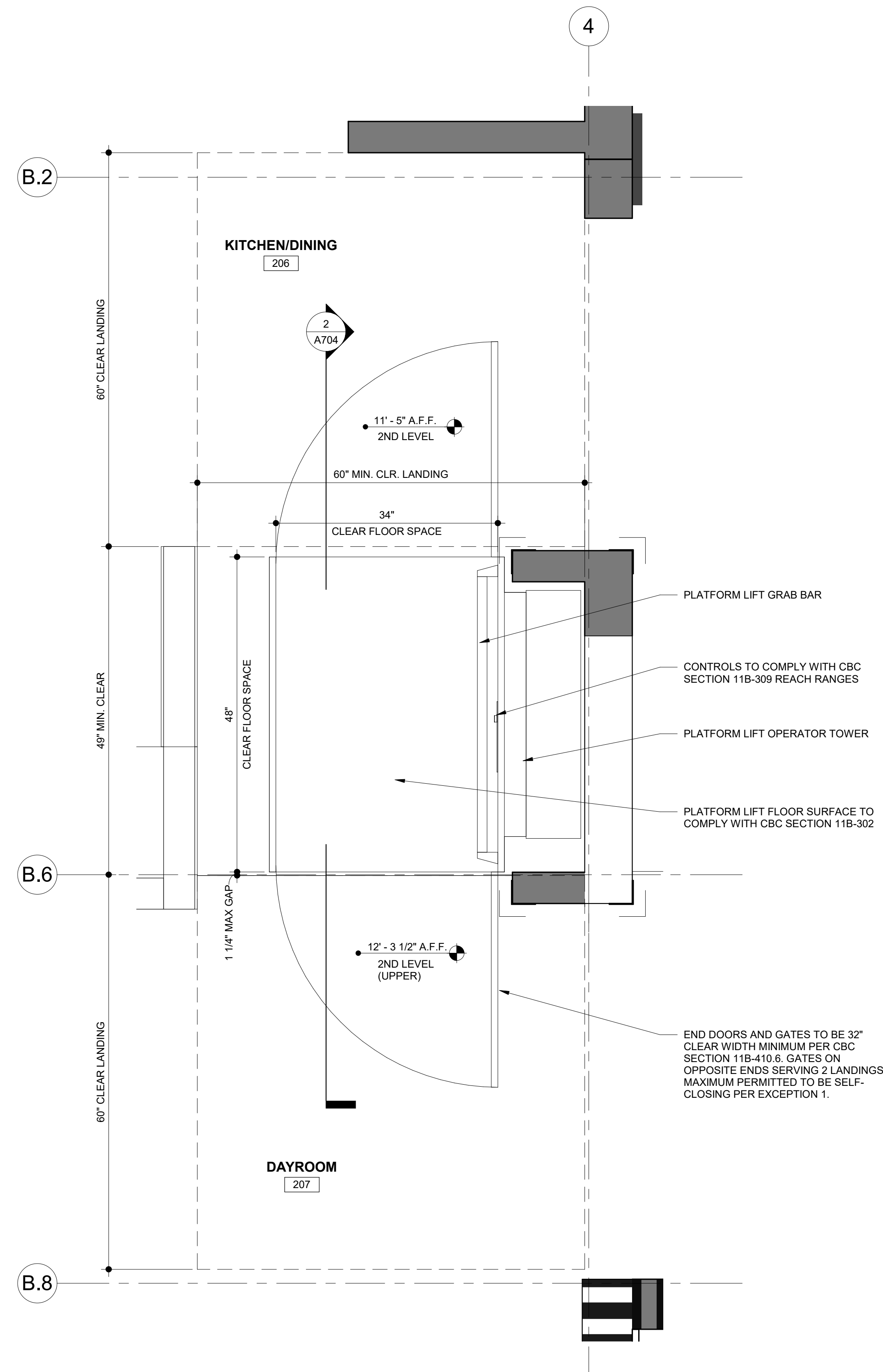
ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

**SHEET NOTES**

1. PLATFORM LIFT TO CONFORM WITH CBC SECTION 11B-410
2. FOR PLATFORM LIFT SIGNAGE, SEE SIGNAGE PLAN A013



**2 PLATFORM LIFT SECTION**  
 SCALE: 1" = 1'-0"

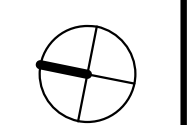


**1 PLATFORM LIFT ENLARGED PLAN**  
 SCALE: 1" = 1'-0"

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
|     |                            |            |
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JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 ENLARGED WHEELCHAIR LIFT PLAN SECTION. &  
 DETAILS



**A704**

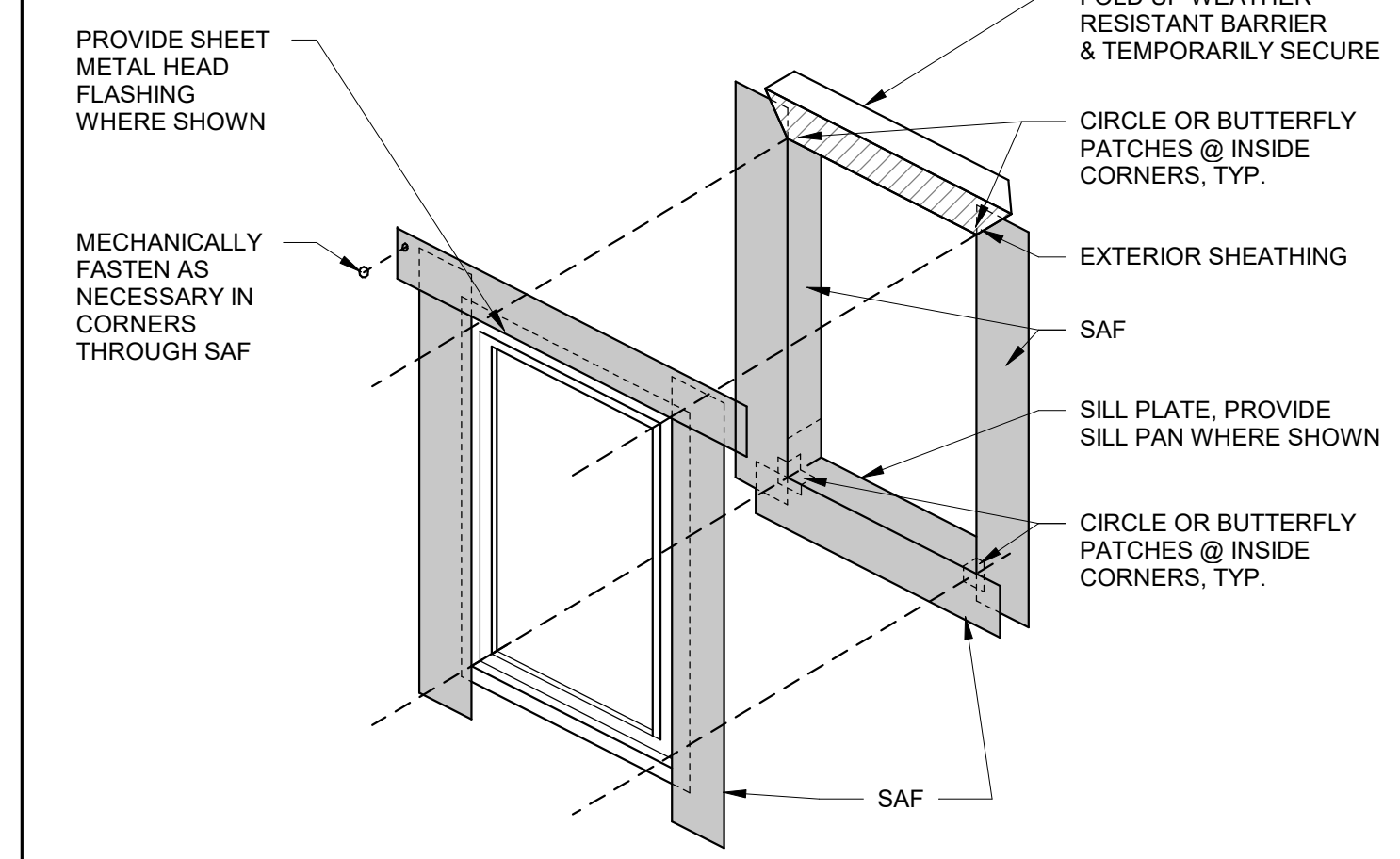
STAMP



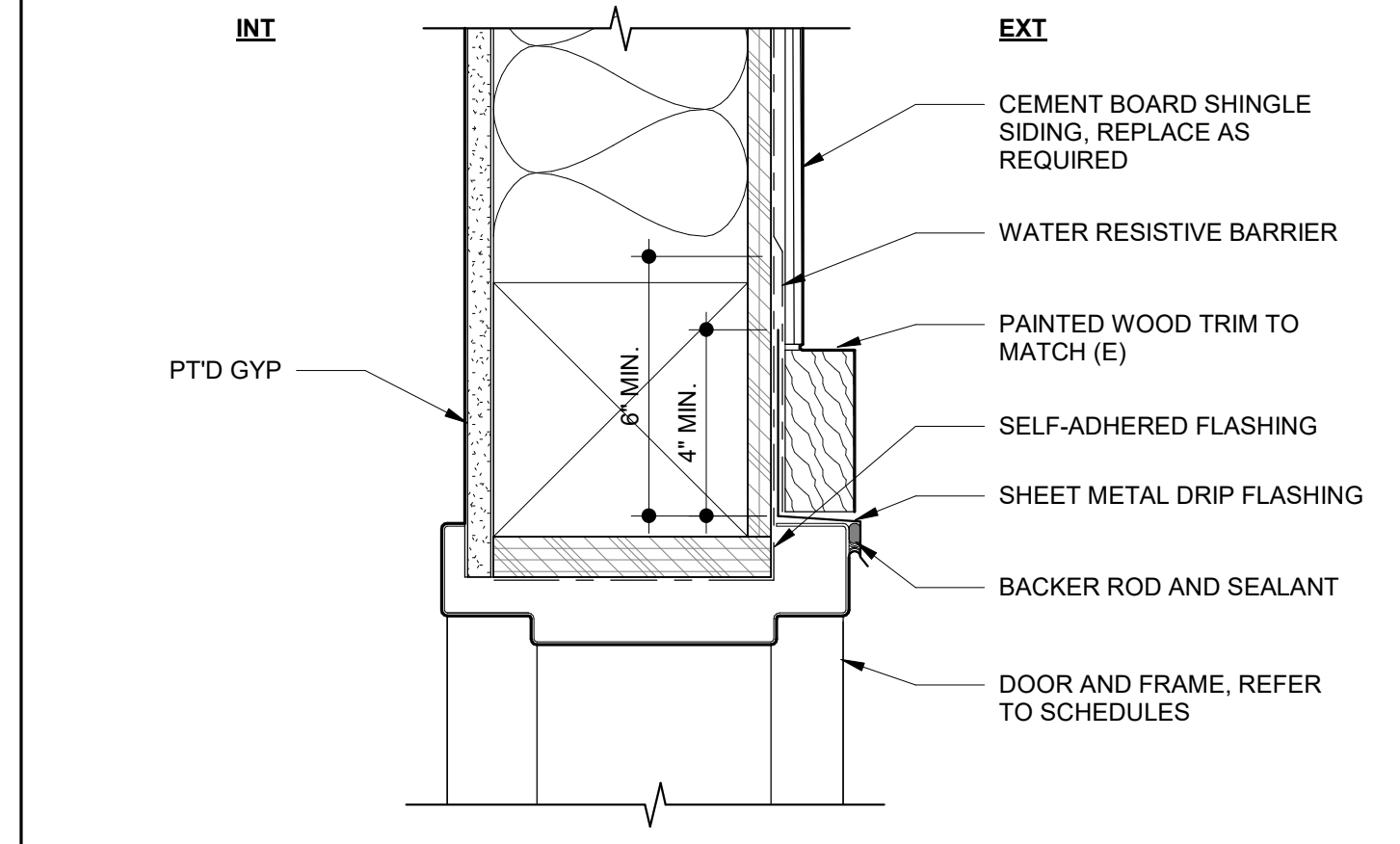
PROJECT ADDRESS  
**217 ARLINGTON AVE.**  
**KENSINGTON, CA 94707**

PROJECT TEAM  
CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064  
ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600  
STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
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CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200  
GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544  
MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390  
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140  
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

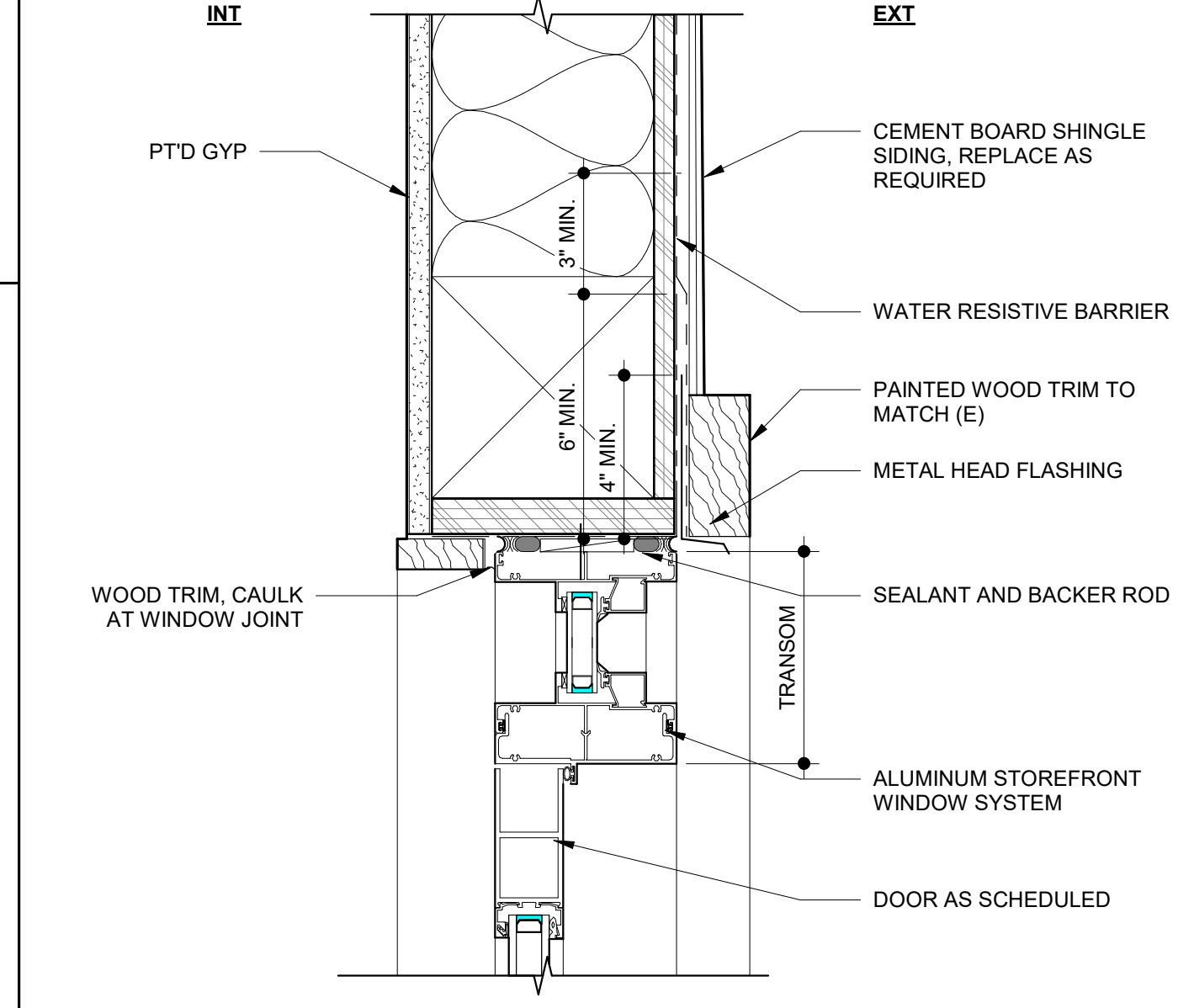
**4 WINDOW SAF DETAIL**  
SCALE: 3" = 1'-0"



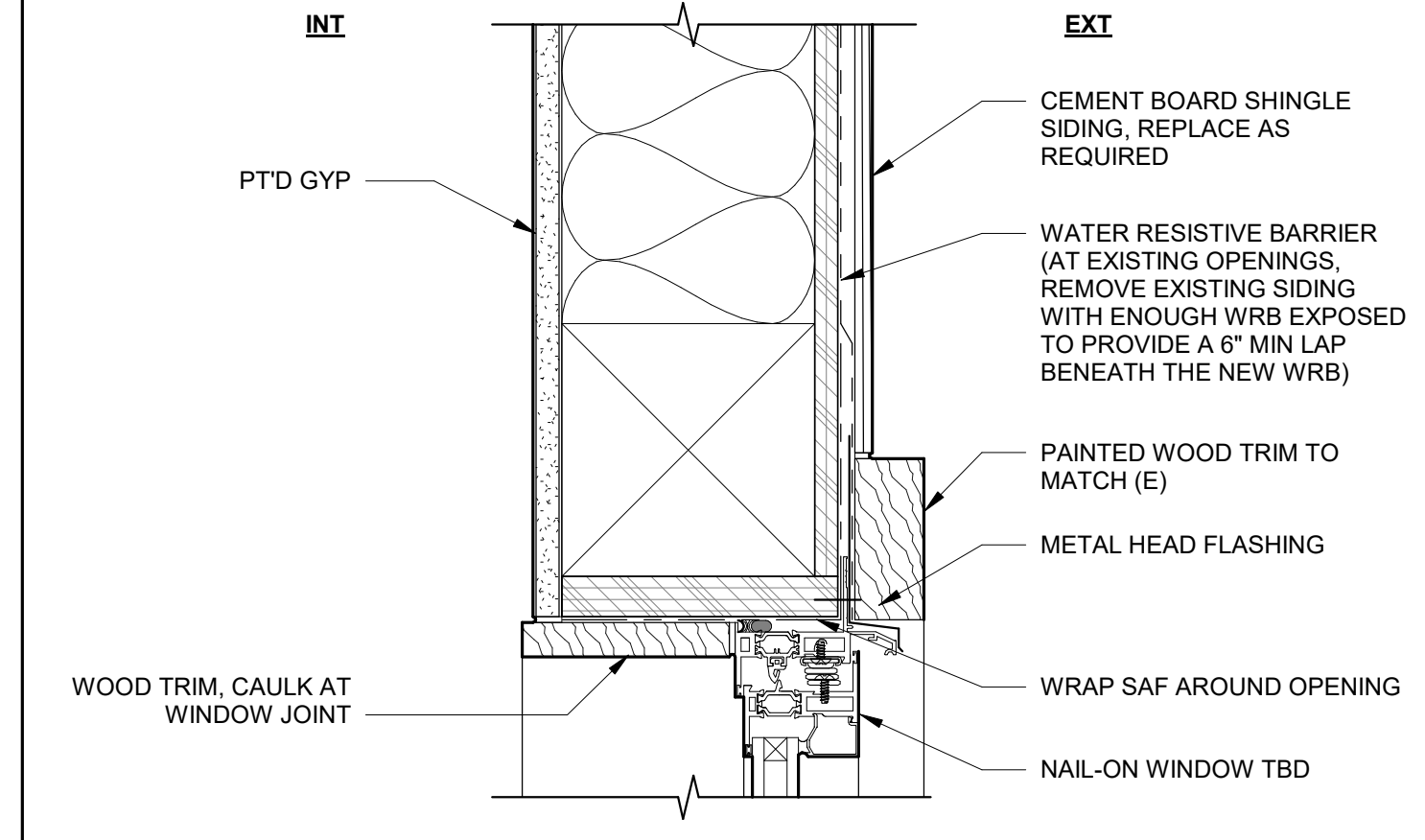
**7 EXTERIOR DOOR HEAD DETAIL**  
SCALE: 3" = 1'-0"



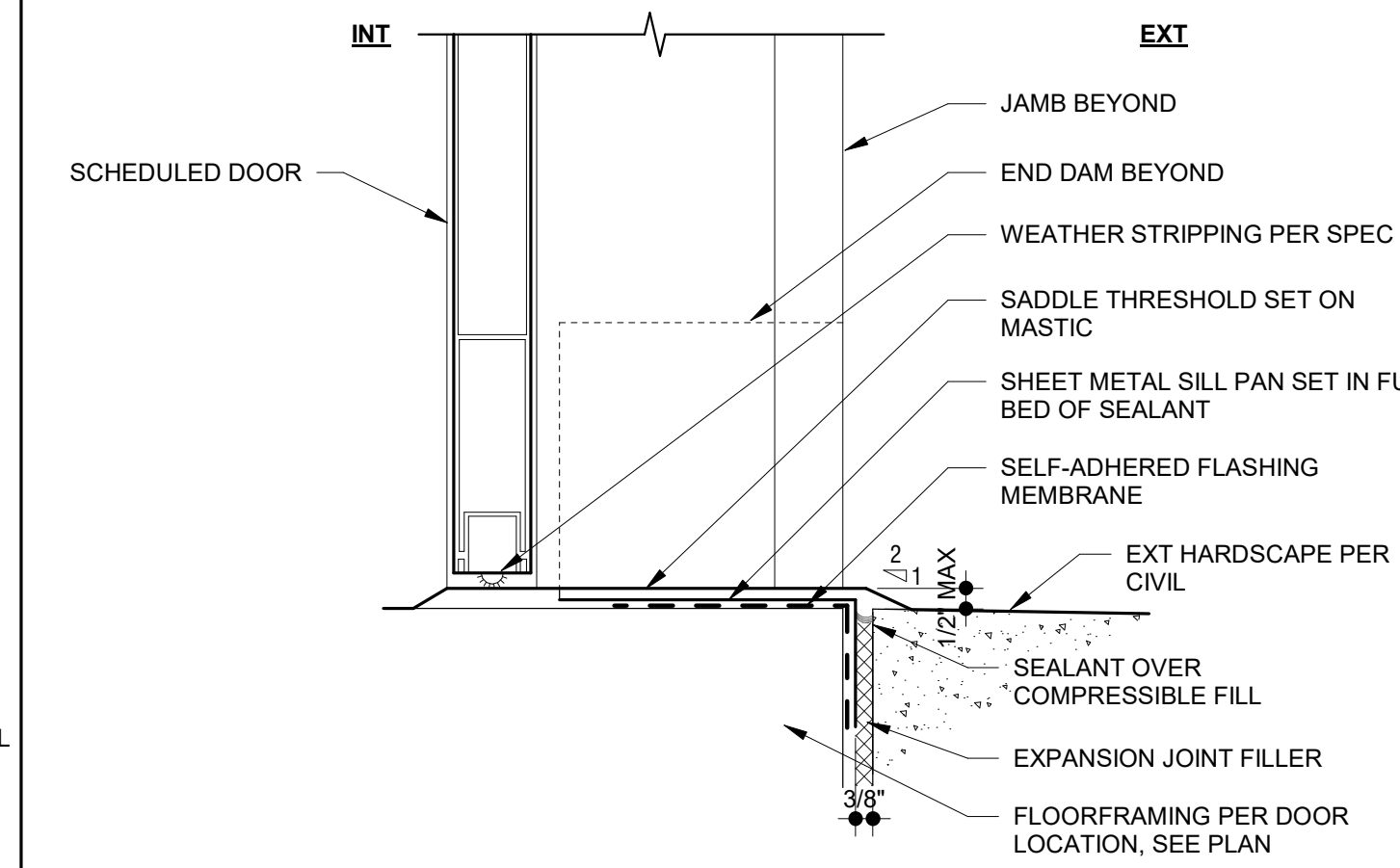
**11 EXTERIOR STOREFRONT HEAD DETAIL**  
SCALE: 3" = 1'-0"



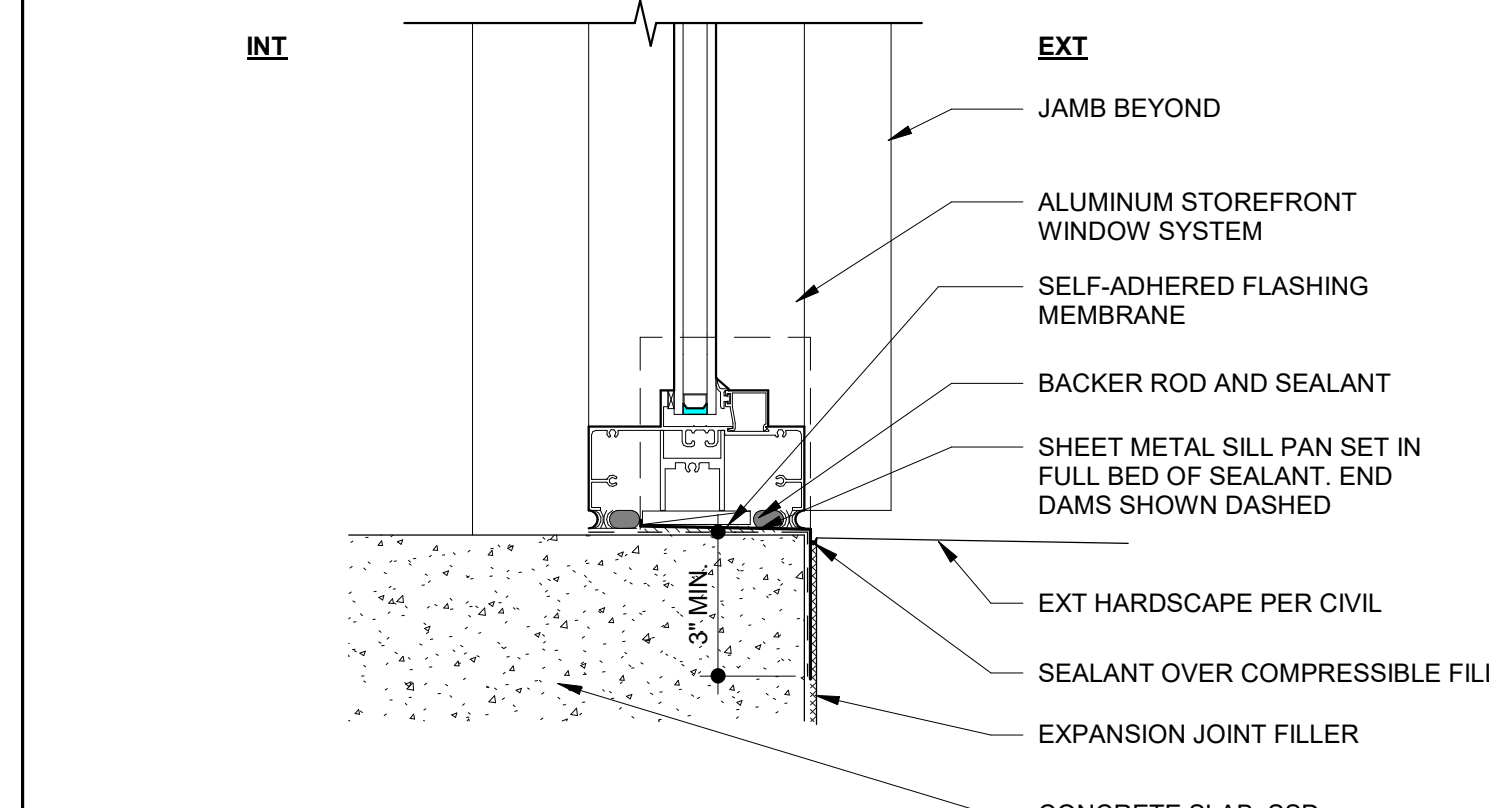
**3 EXTERIOR WINDOW HEAD DETAIL**  
SCALE: 3" = 1'-0"



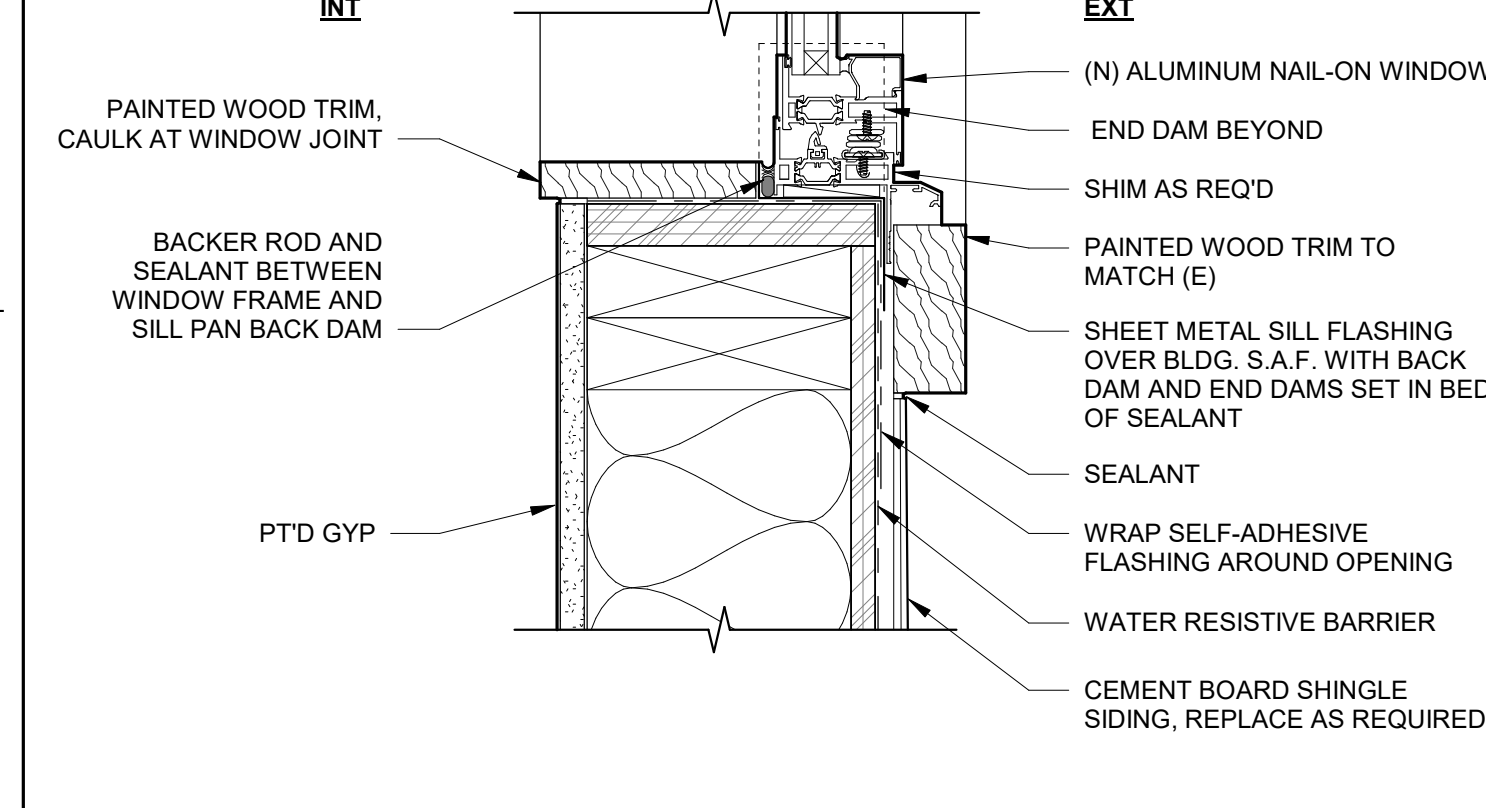
**6 EXTERIOR DOOR THRESHOLD DETAIL**  
SCALE: 3" = 1'-0"



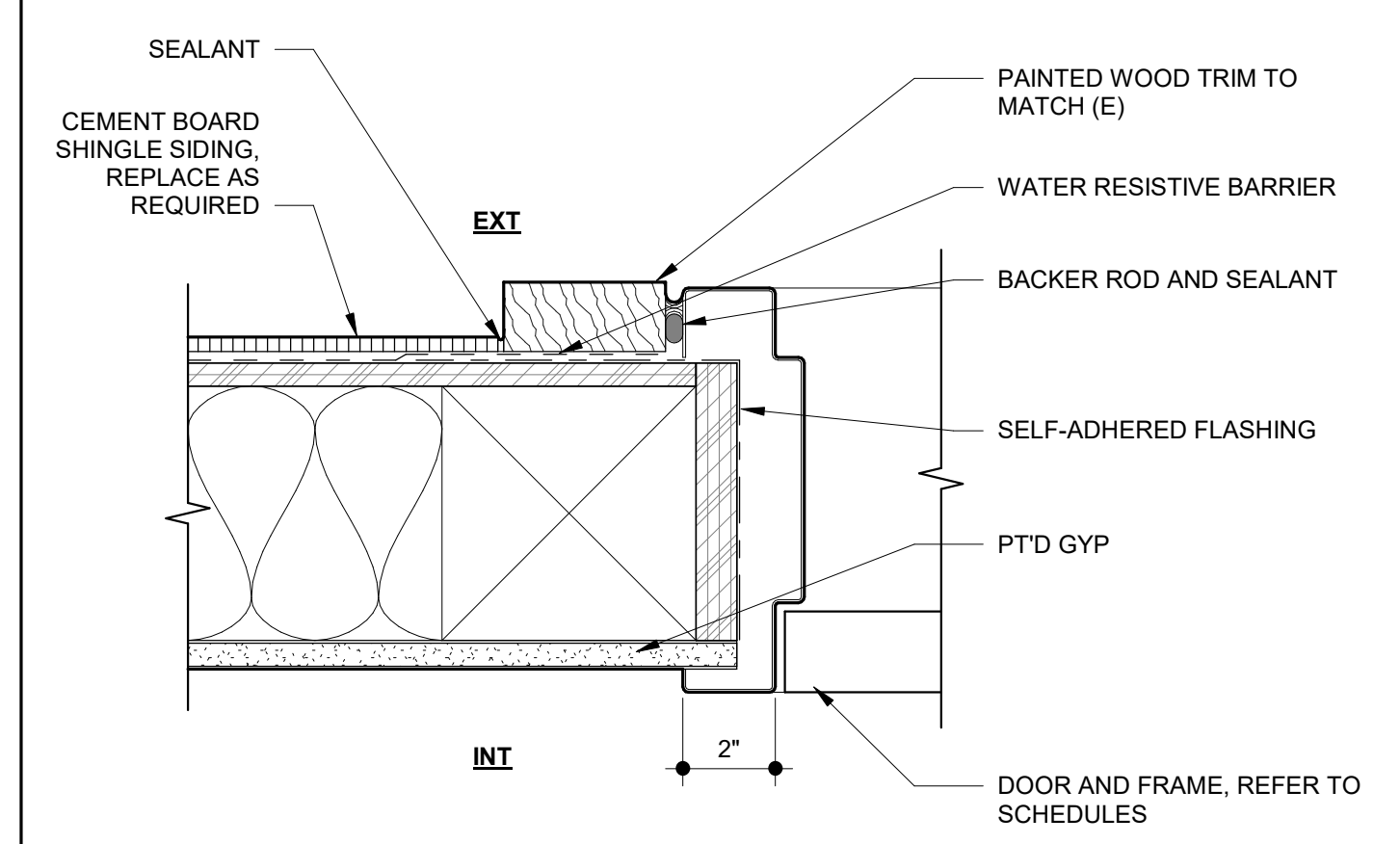
**10 EXTERIOR STOREFRONT SILL DETAIL**  
SCALE: 3" = 1'-0"



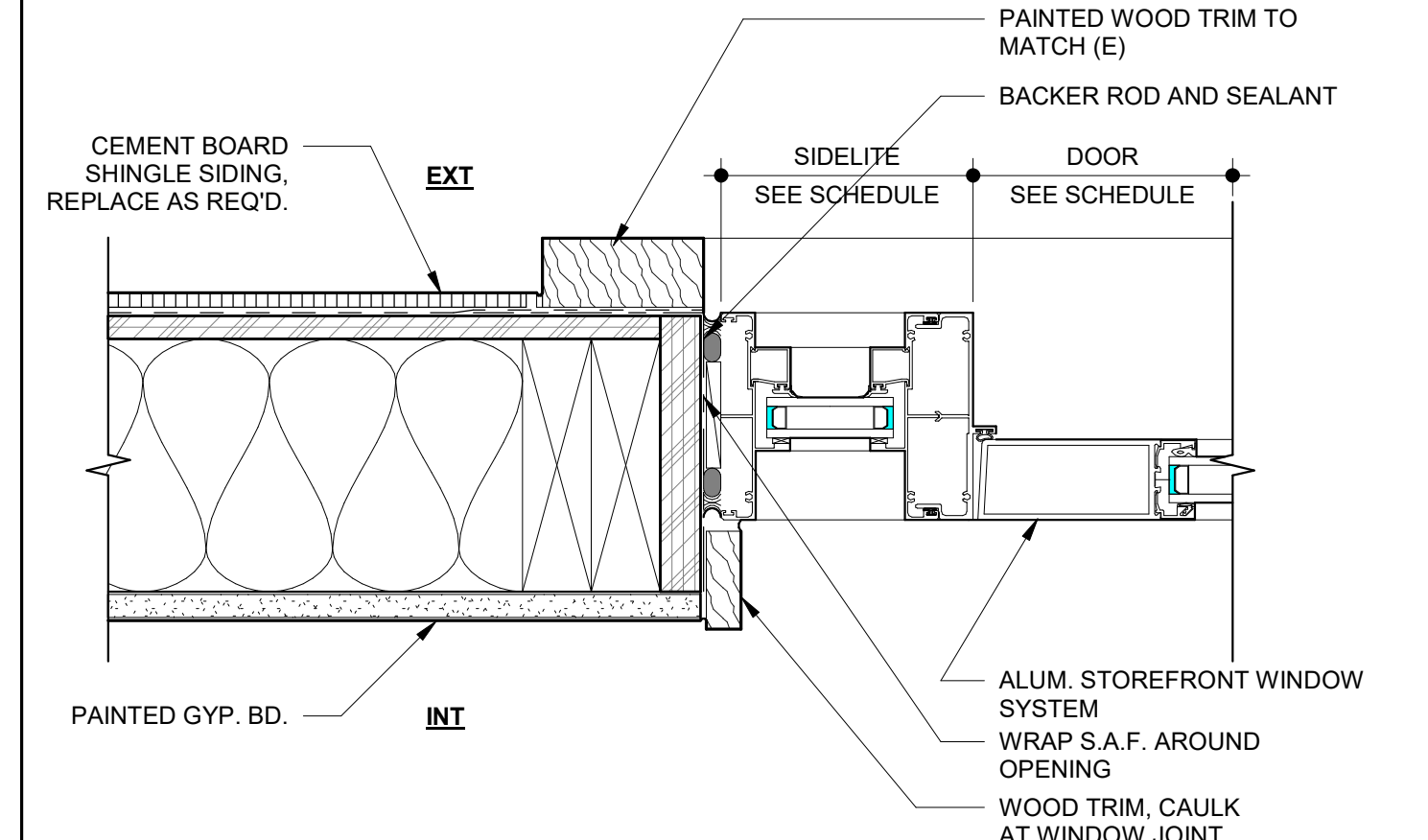
**2 EXTERIOR WINDOW SILL DETAIL**  
SCALE: 3" = 1'-0"



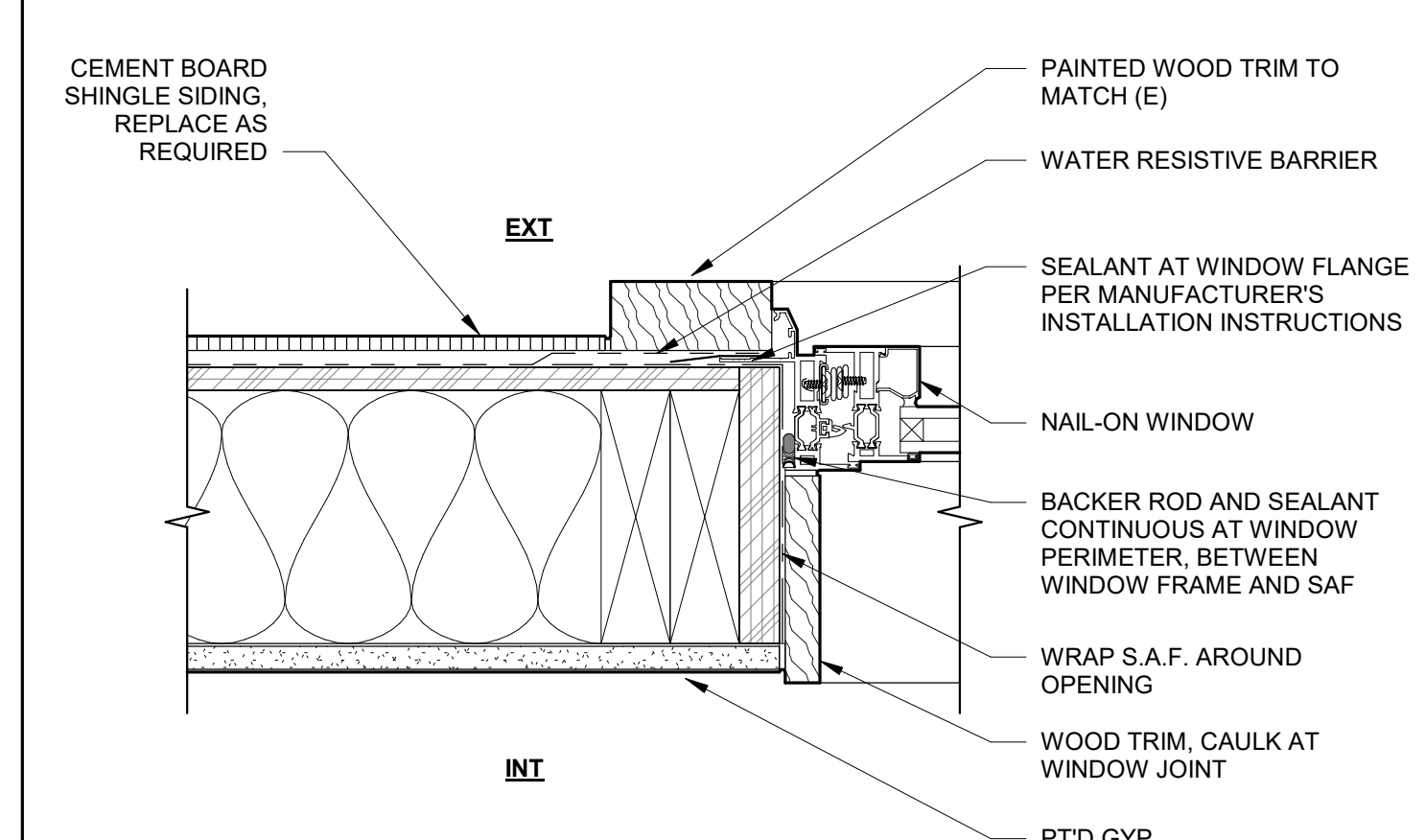
**5 EXTERIOR DOOR JAMB DETAIL**  
SCALE: 3" = 1'-0"



**9 EXTERIOR STOREFRONT JAMB DETAIL**  
SCALE: 3" = 1'-0"



**1 EXTERIOR WINDOW JAMB DETAIL**  
SCALE: 3" = 1'-0"



| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
EXTERIOR DETAILS

**A801**



STAMP

PROJECT ADDRESS

**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

PROJECT TEAM

**CLIENT:** KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064

**ARCHITECT:** MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

**STRUCTURAL:** ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869

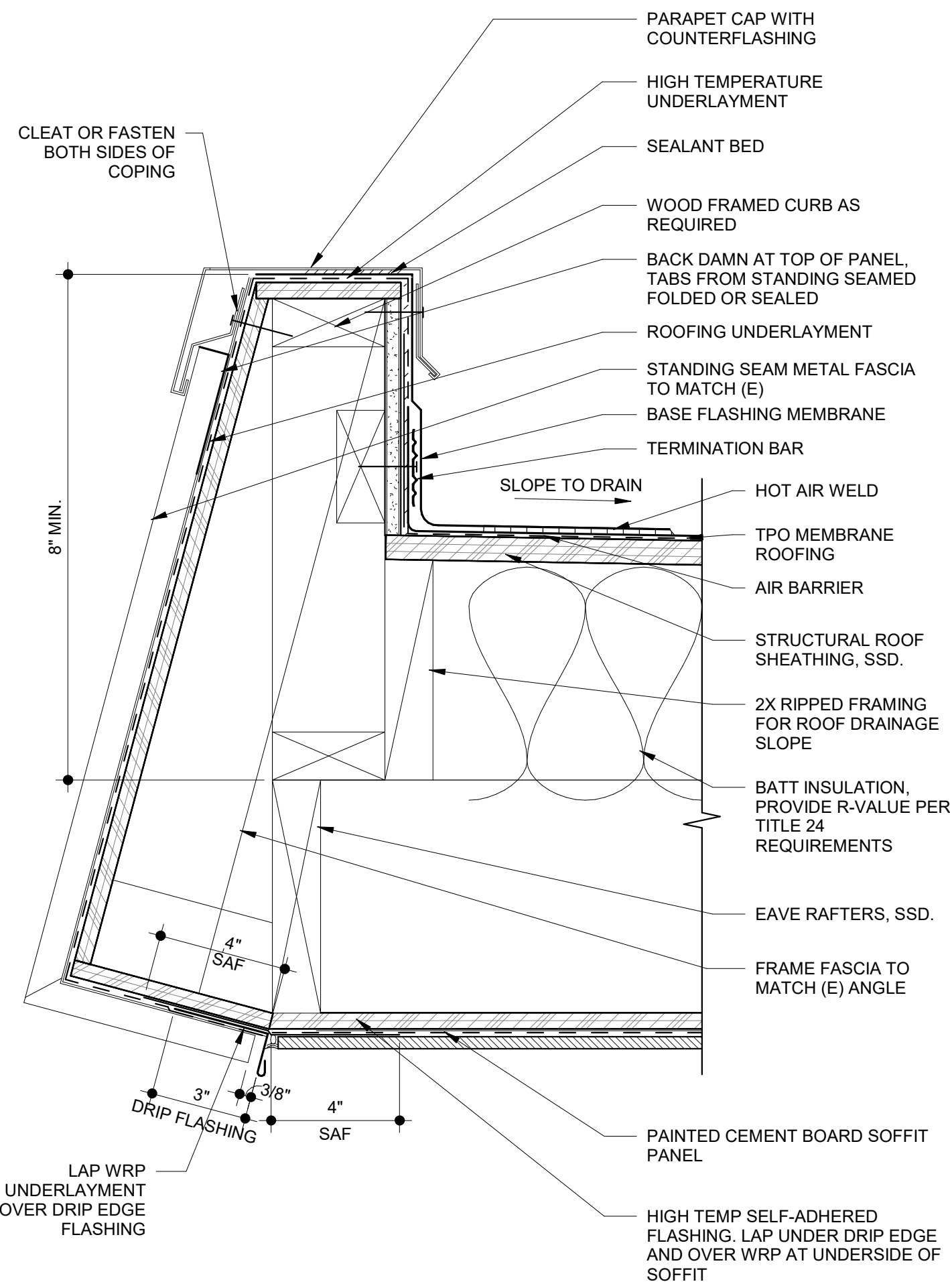
**CIVIL:** BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

**GEOTECH:** HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

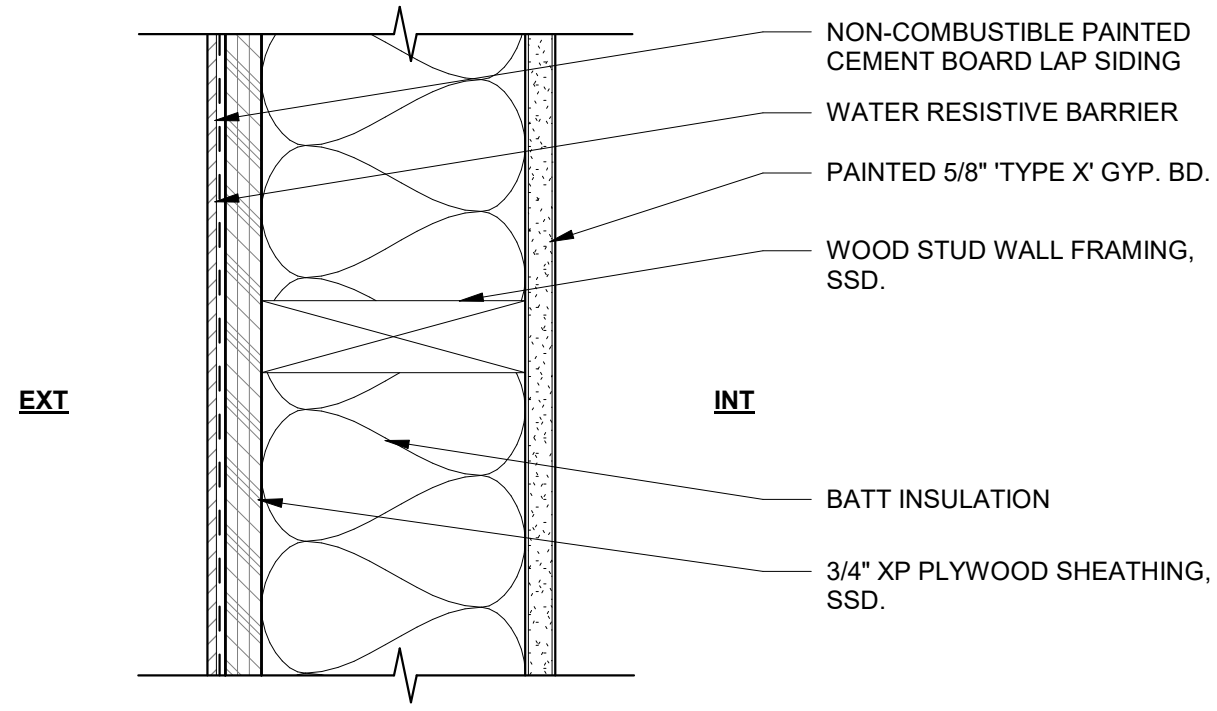
**MEP:** LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

**AUDIO/VISUAL:** SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
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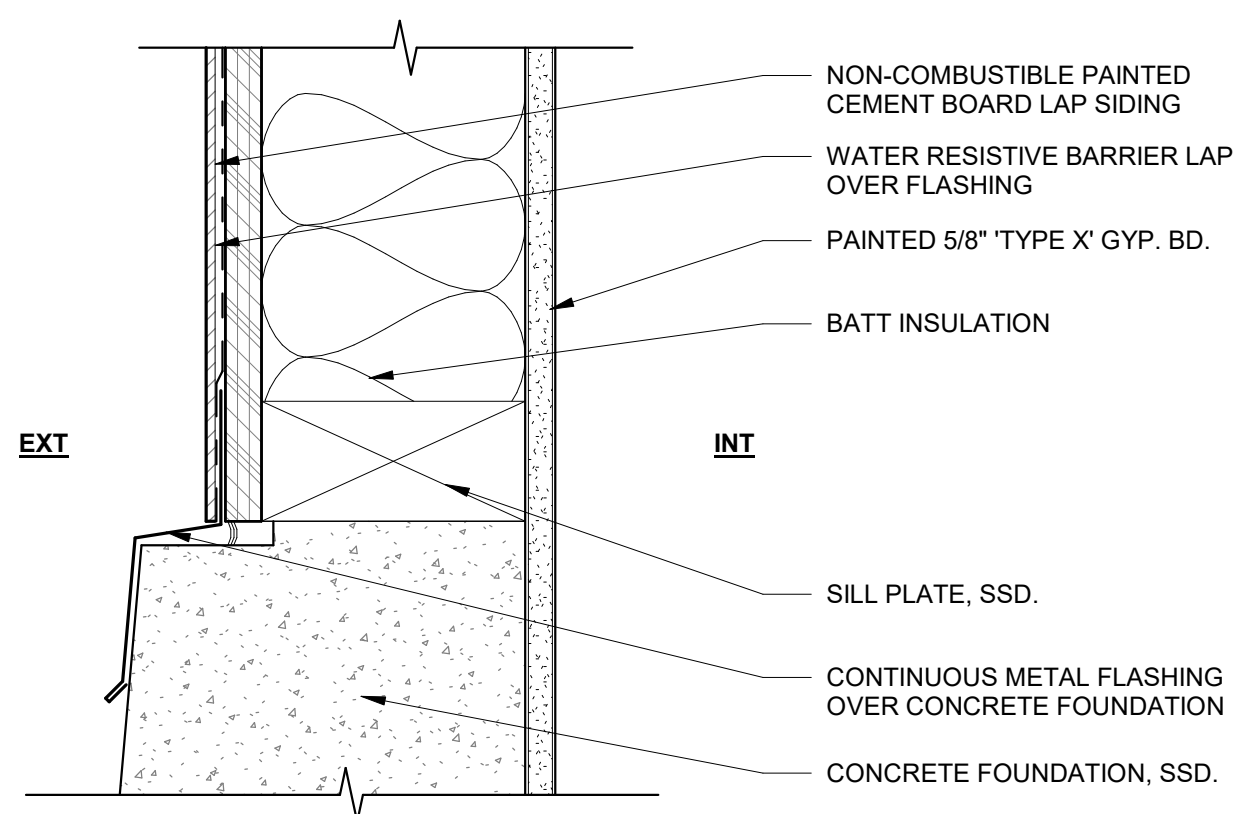
**ESTIMATOR:** MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626



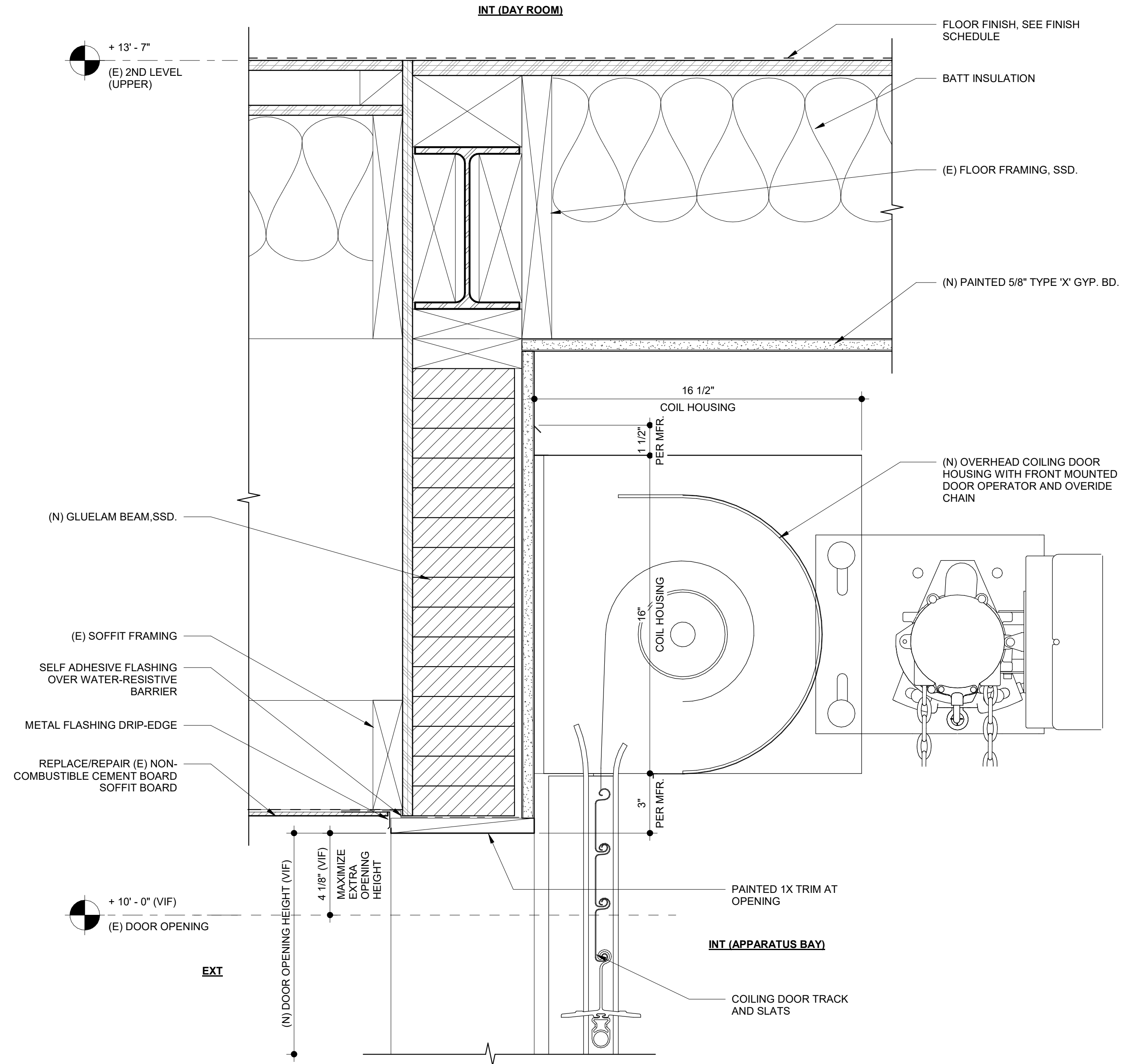
**11** ROOF EAVE DETAIL - SECTION  
SCALE: 3" = 1'-0"



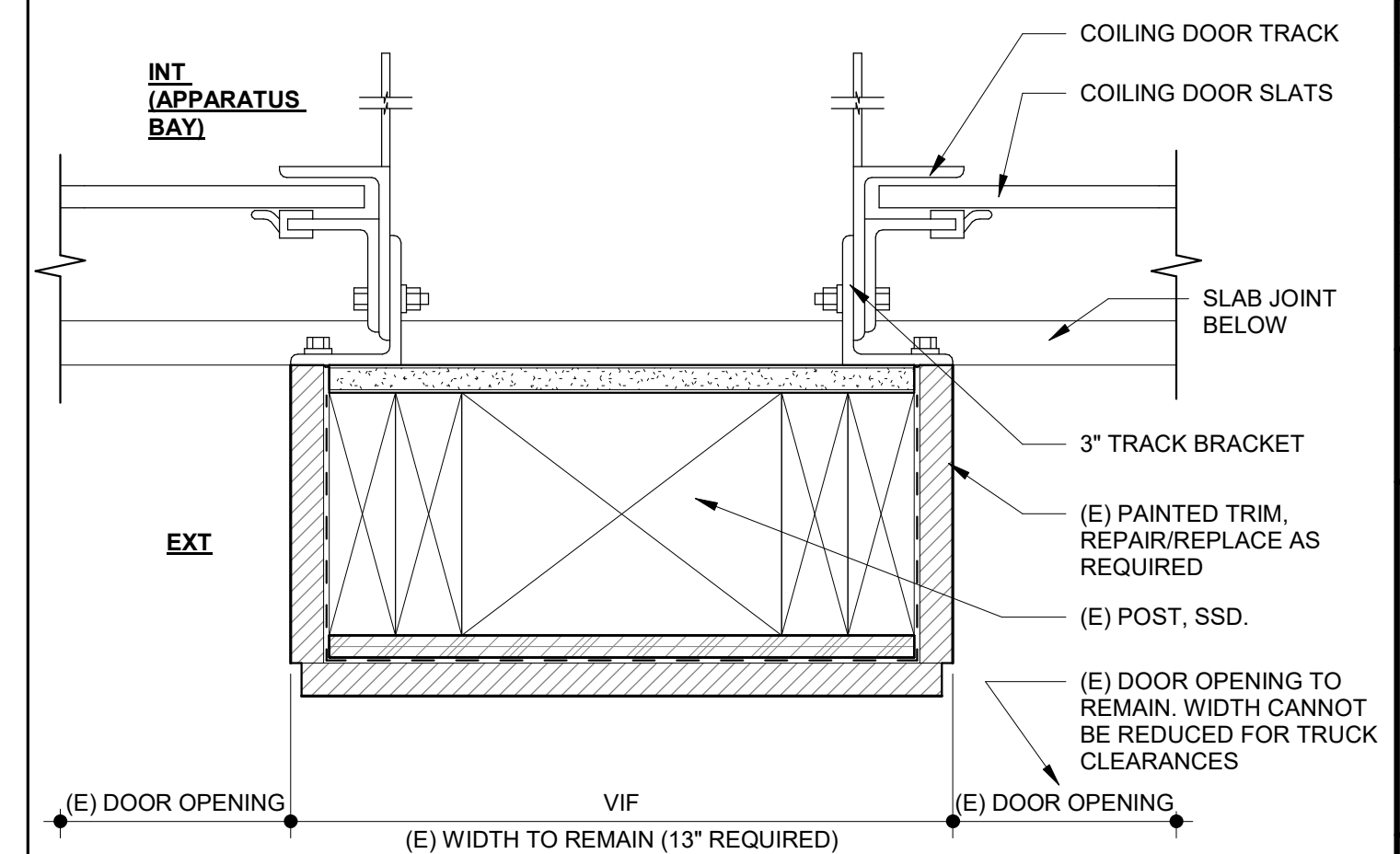
**10** 1-HR RATED EXTERIOR WALL PLAN DETAIL  
SCALE: 3" = 1'-0"



**9** EXTERIOR WALL BASE @ FOUNDATION  
SCALE: 3" = 1'-0"



**6** OVERHEAD COILING DOOR HEAD SECTION DETAIL  
SCALE: 3" = 1'-0"

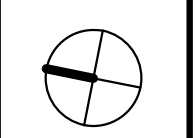


**1** OVERHEAD COILING DOOR JAMB DETAIL  
SCALE: 3" = 1'-0"

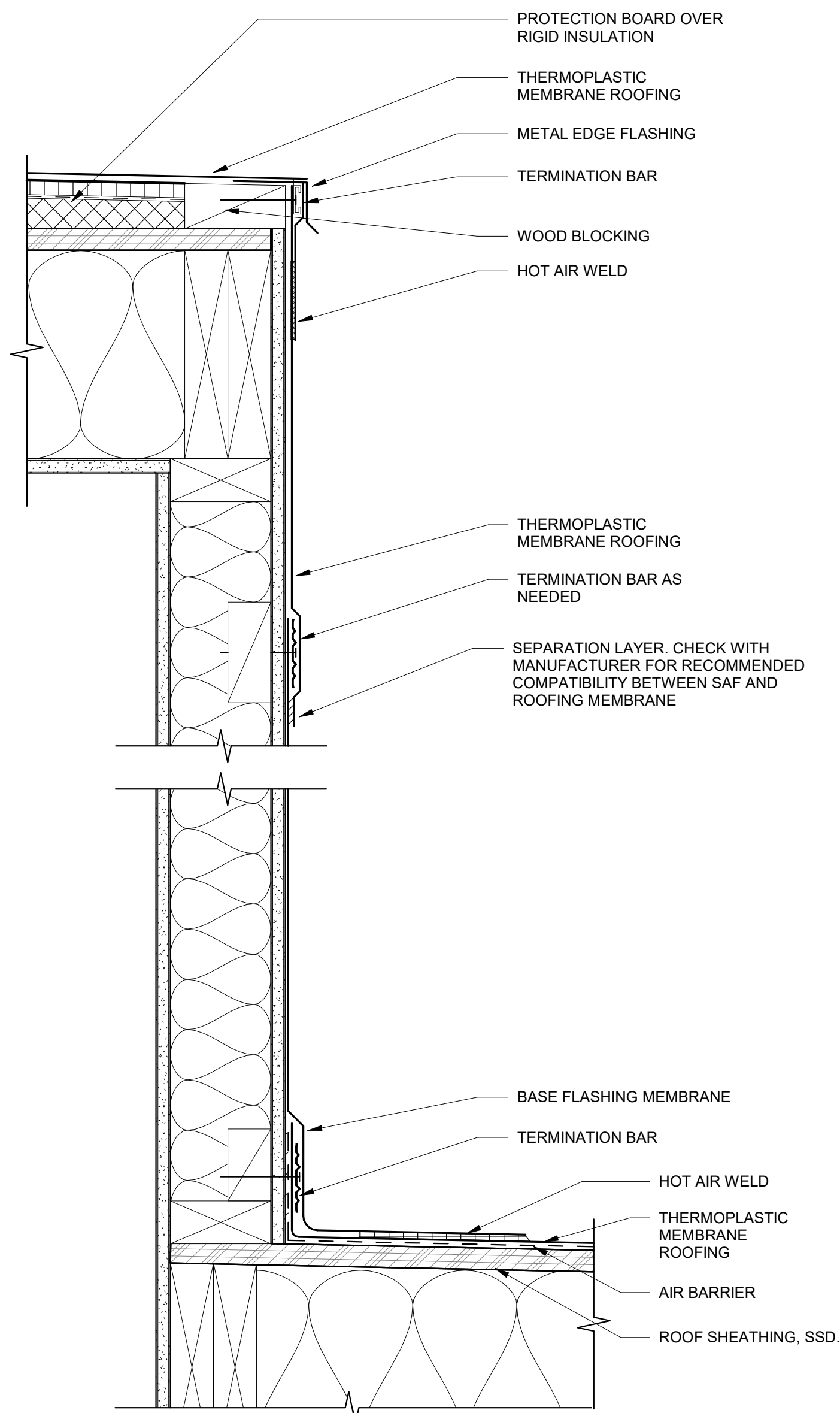
| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
|     |                            |            |
|     |                            |            |
|     |                            |            |

JOB NO. 2106  
KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

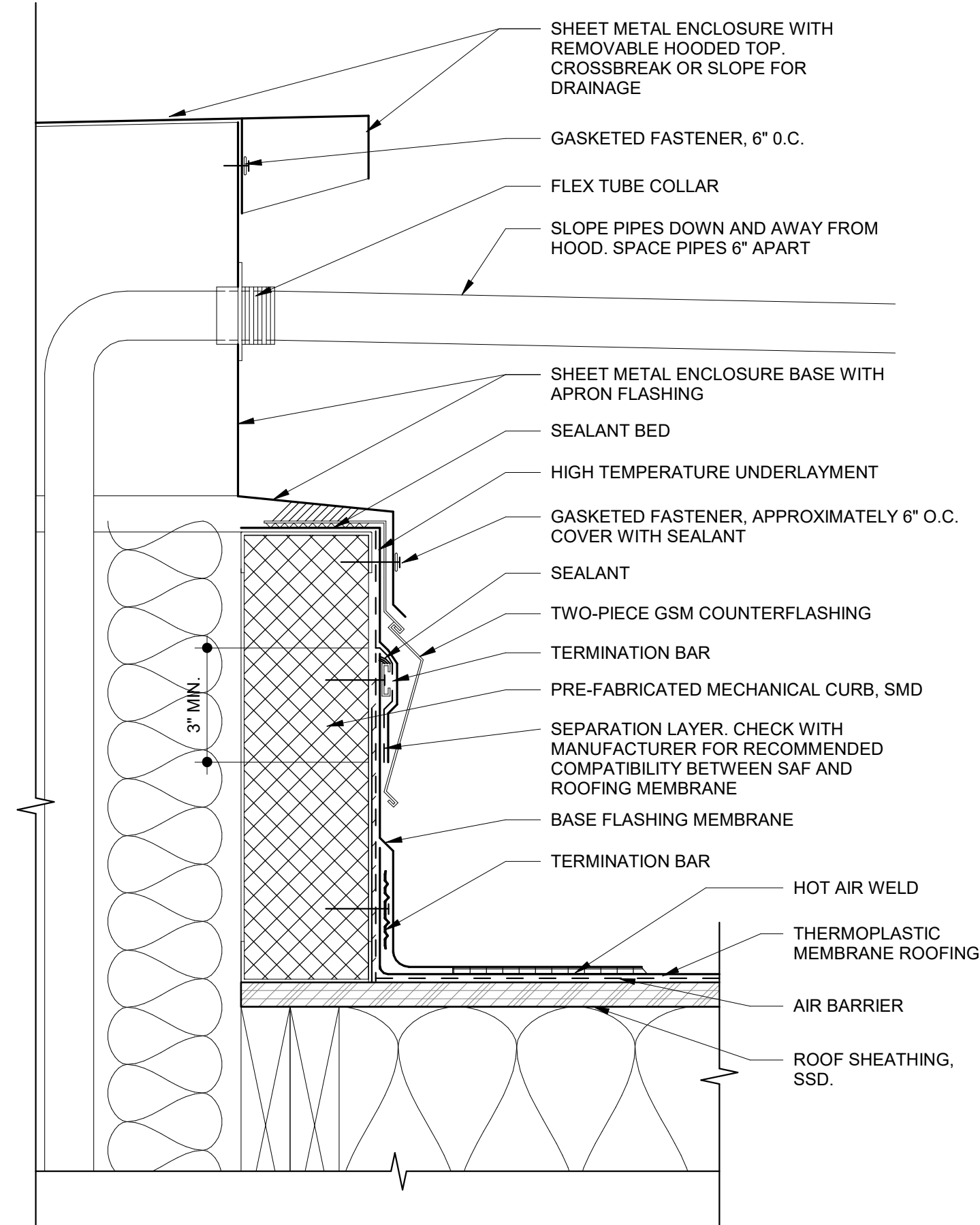
DESCRIPTION  
EXTERIOR DETAILS



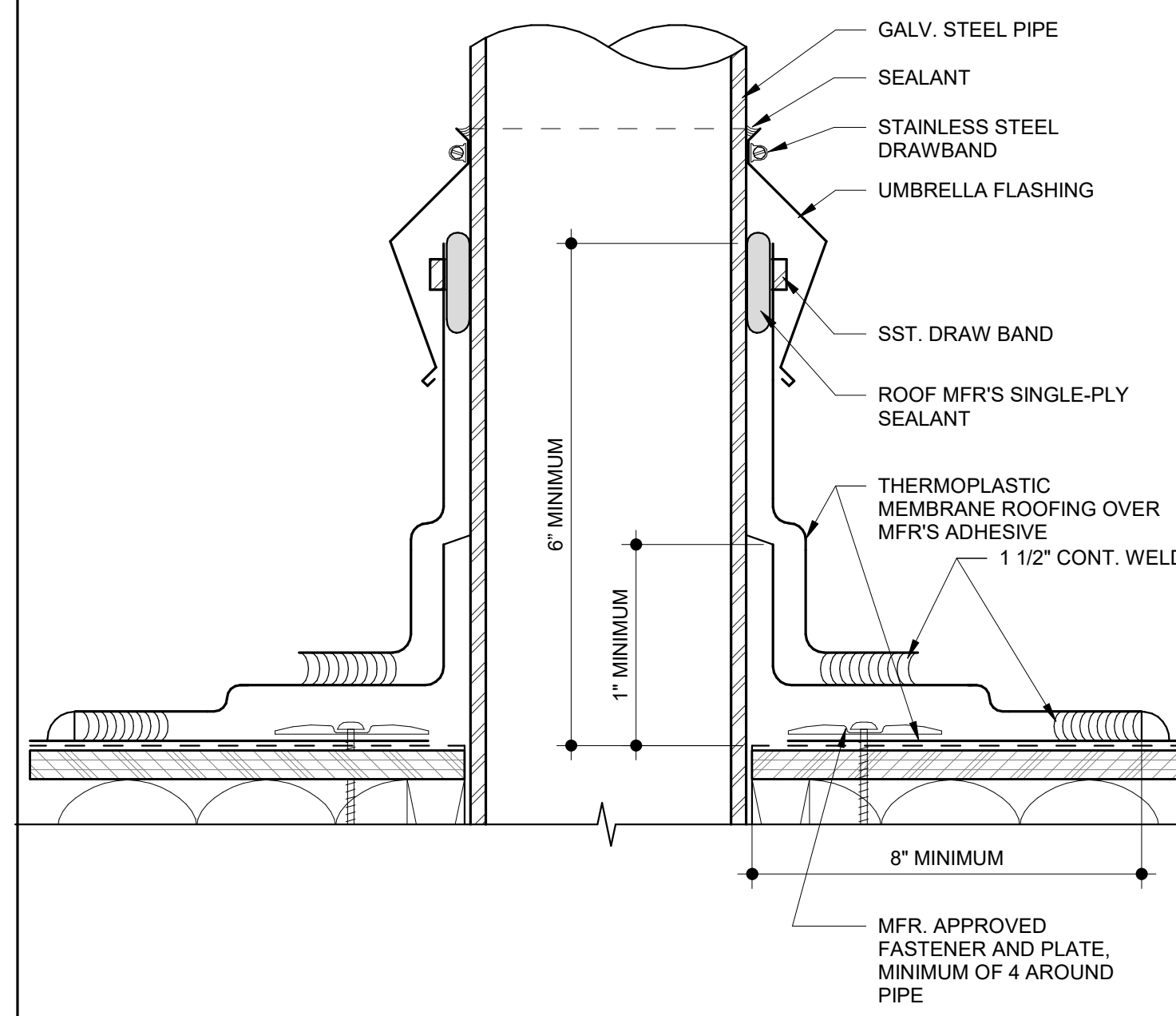
**A802**



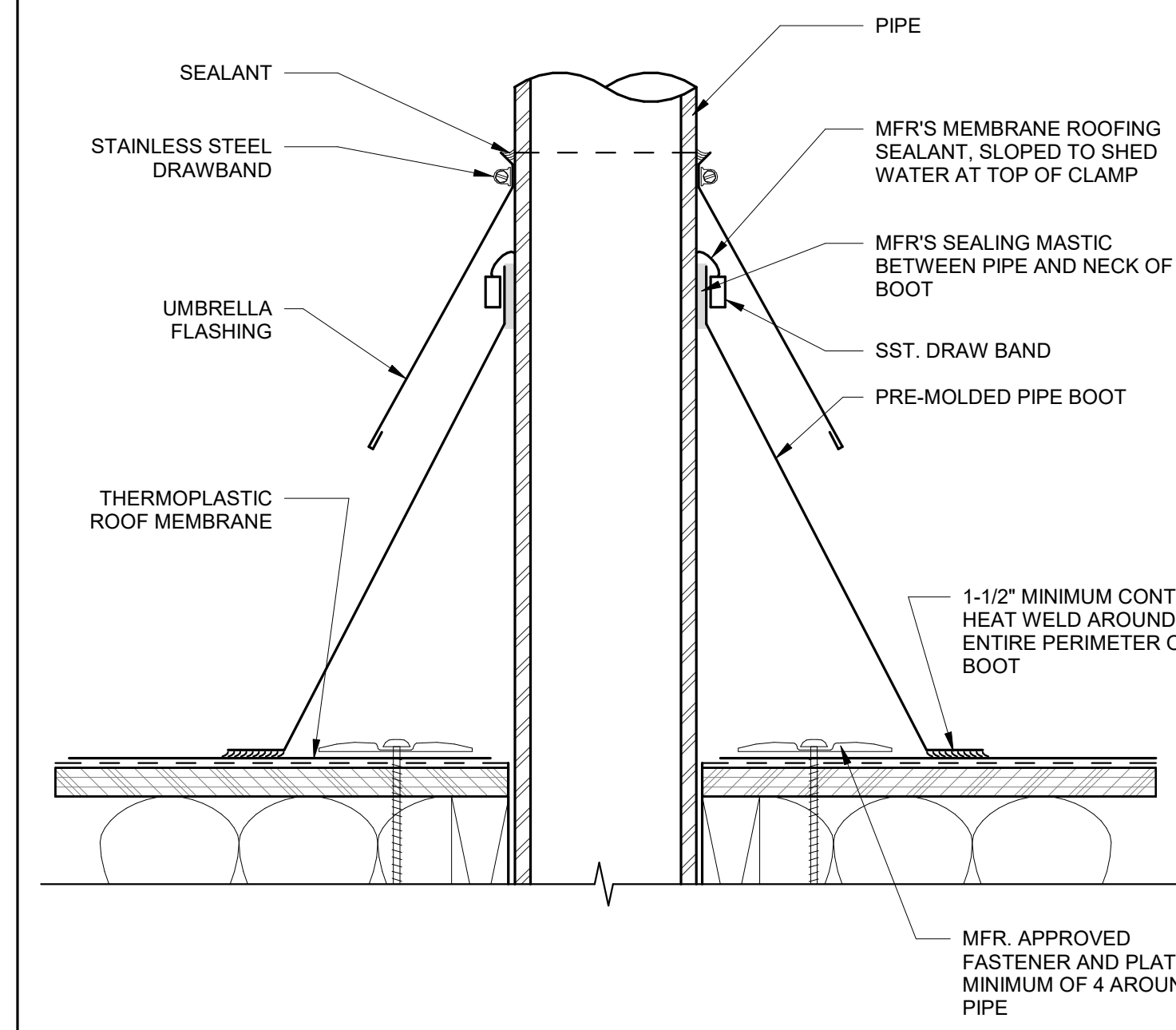
**11** TPO MEMBRANE ROOF @ PENTHOUSE  
SCALE: 3" = 1'-0"



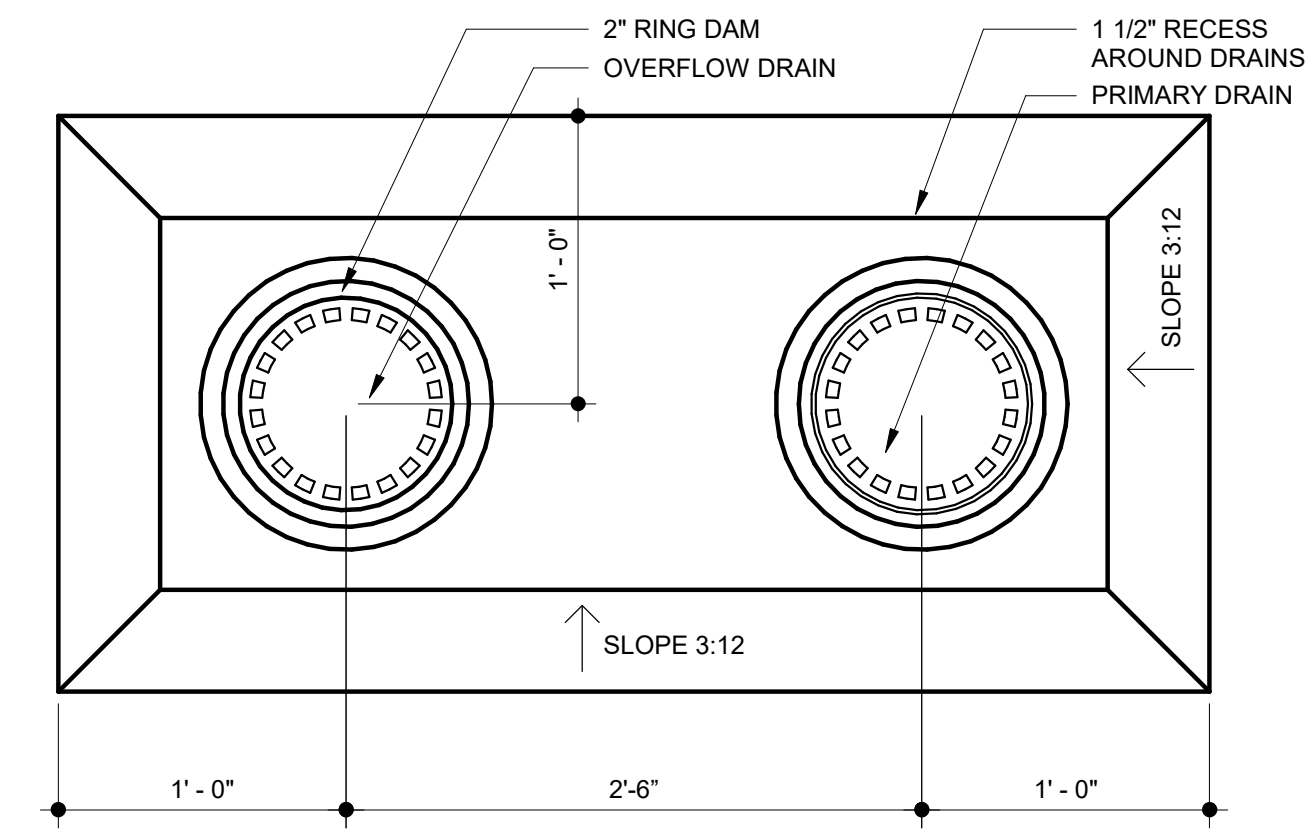
**8** MULTIPLE PIPE PENETRATION DETAIL  
SCALE: 3" = 1'-0"



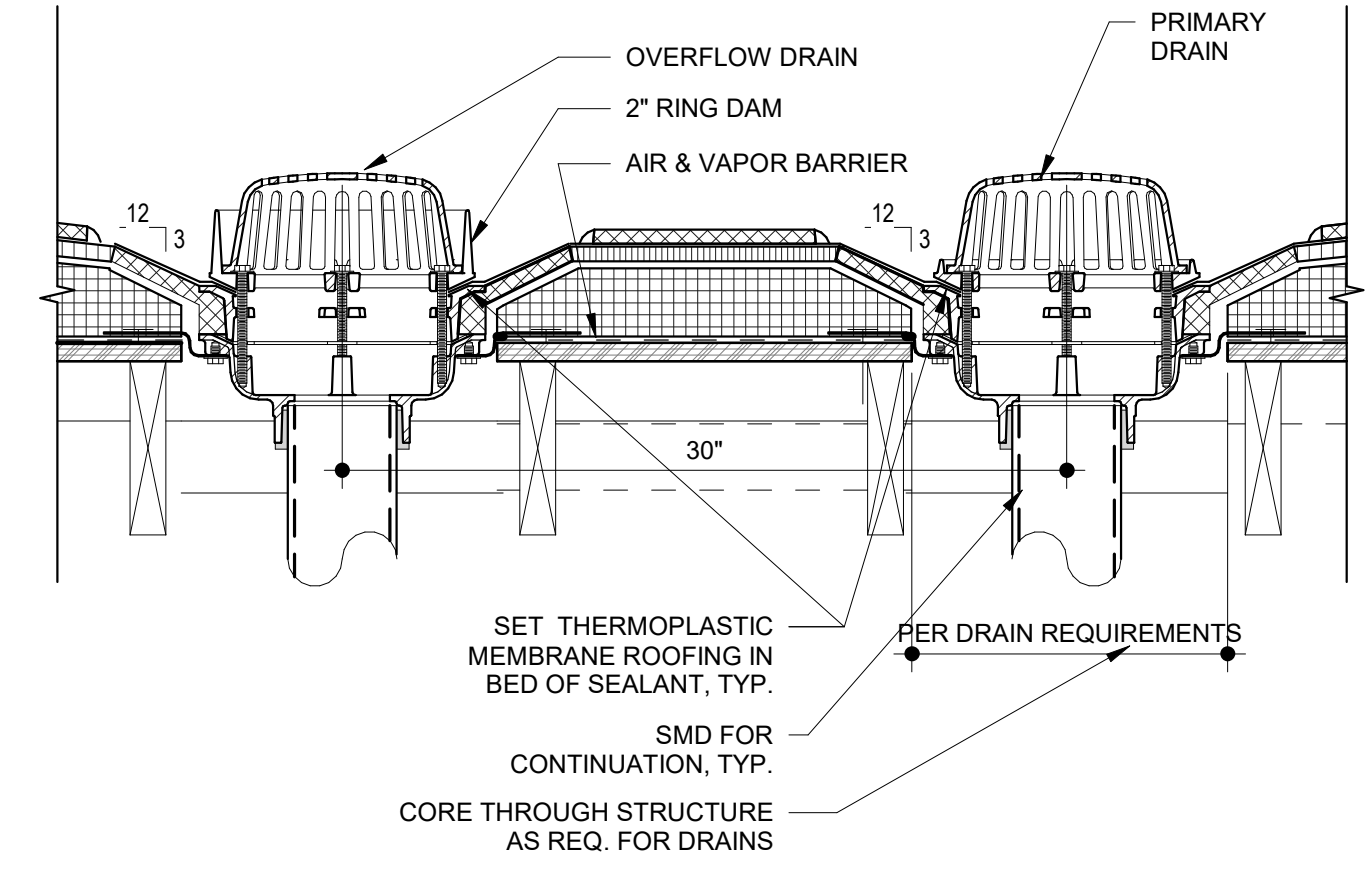
**6** TPO PIPE PENETRATION GREATER THAN 8" DIA  
SCALE: 3" = 1'-0"



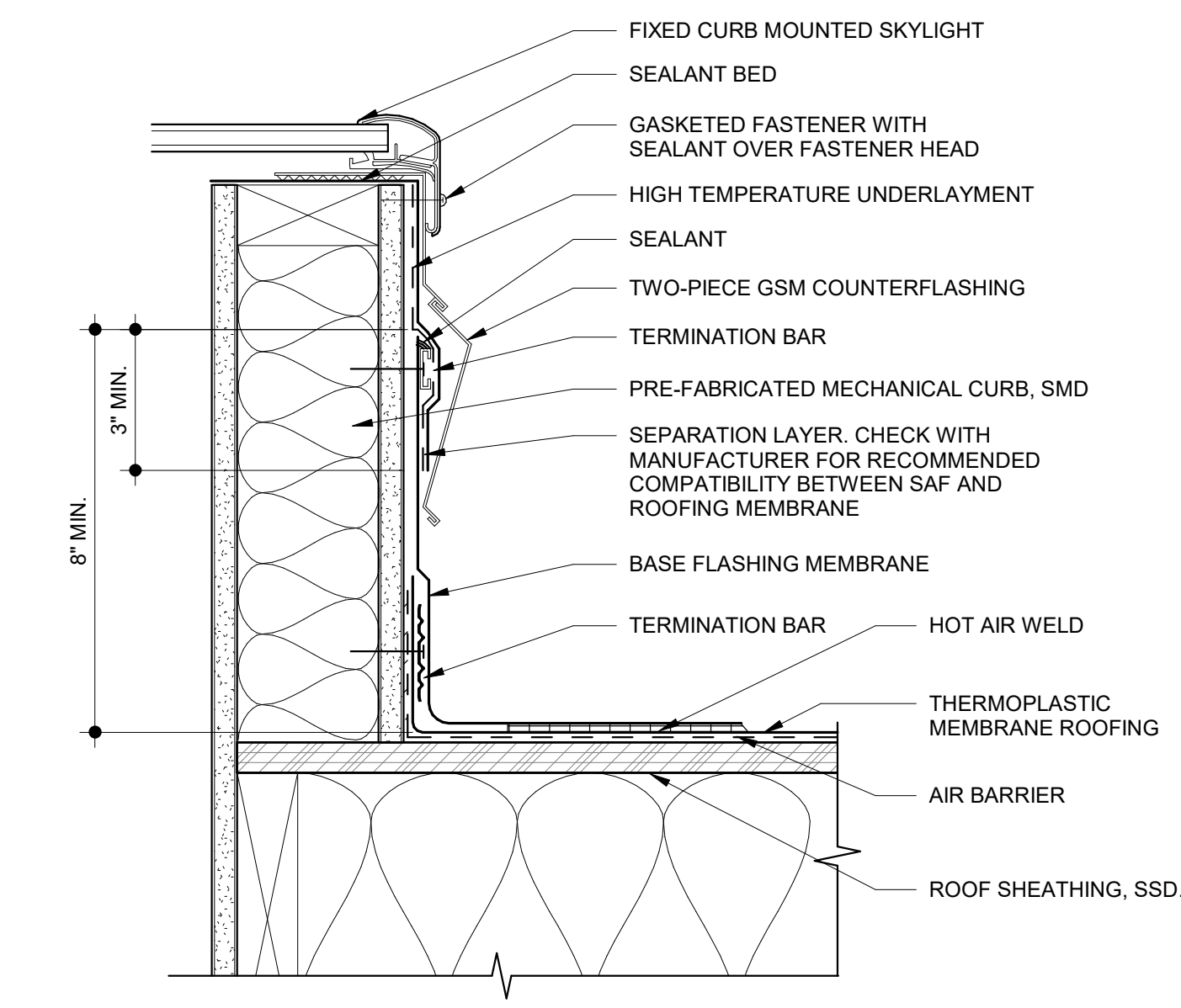
**5** TPO PIPE PENETRATION LESS THAN 8" DIA  
SCALE: 3" = 1'-0"



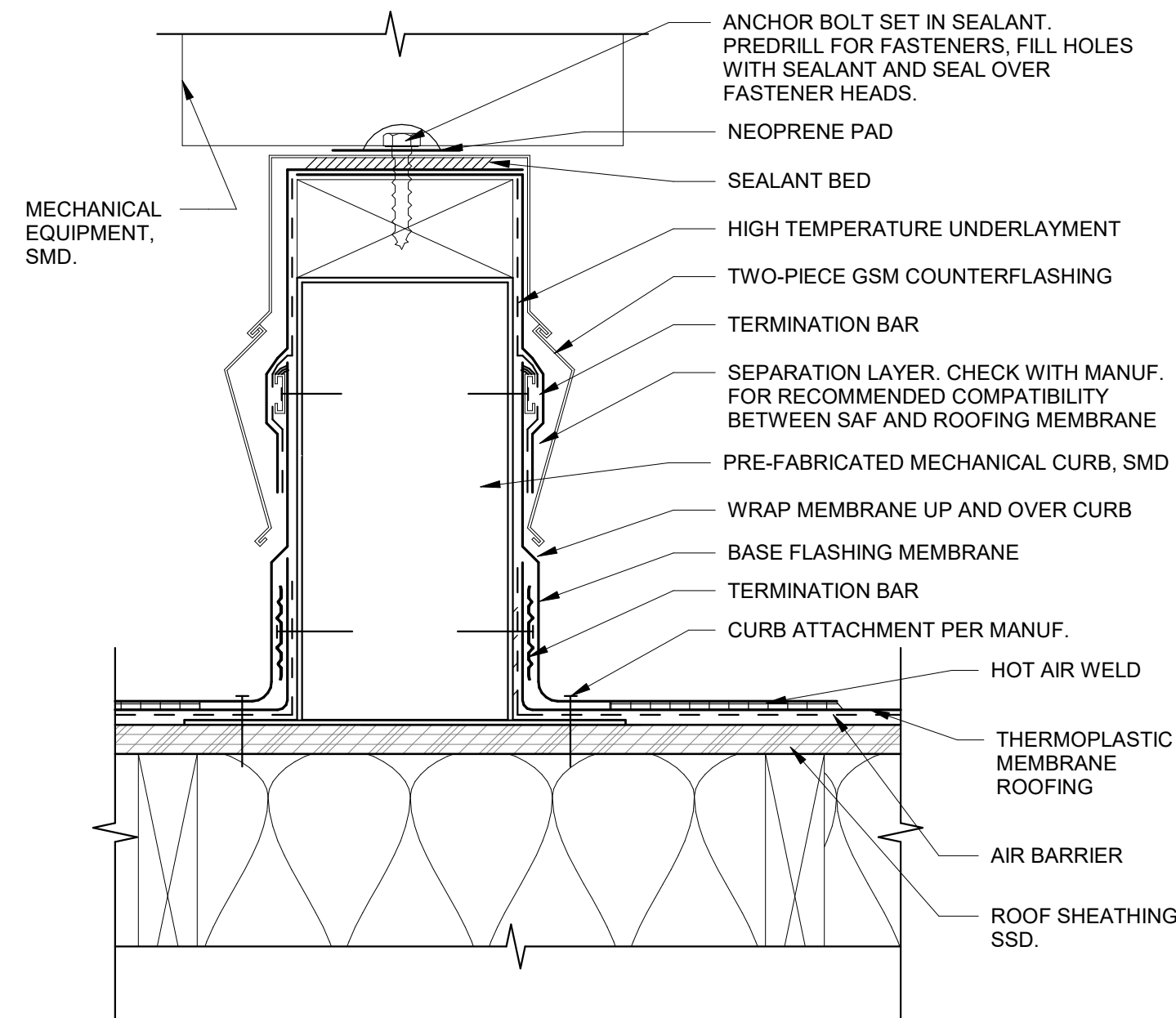
**3** ROOF MEMBRANE AT DRAIN AND OVERFLOW - PLAN  
SCALE: 1 1/2" = 1'-0"



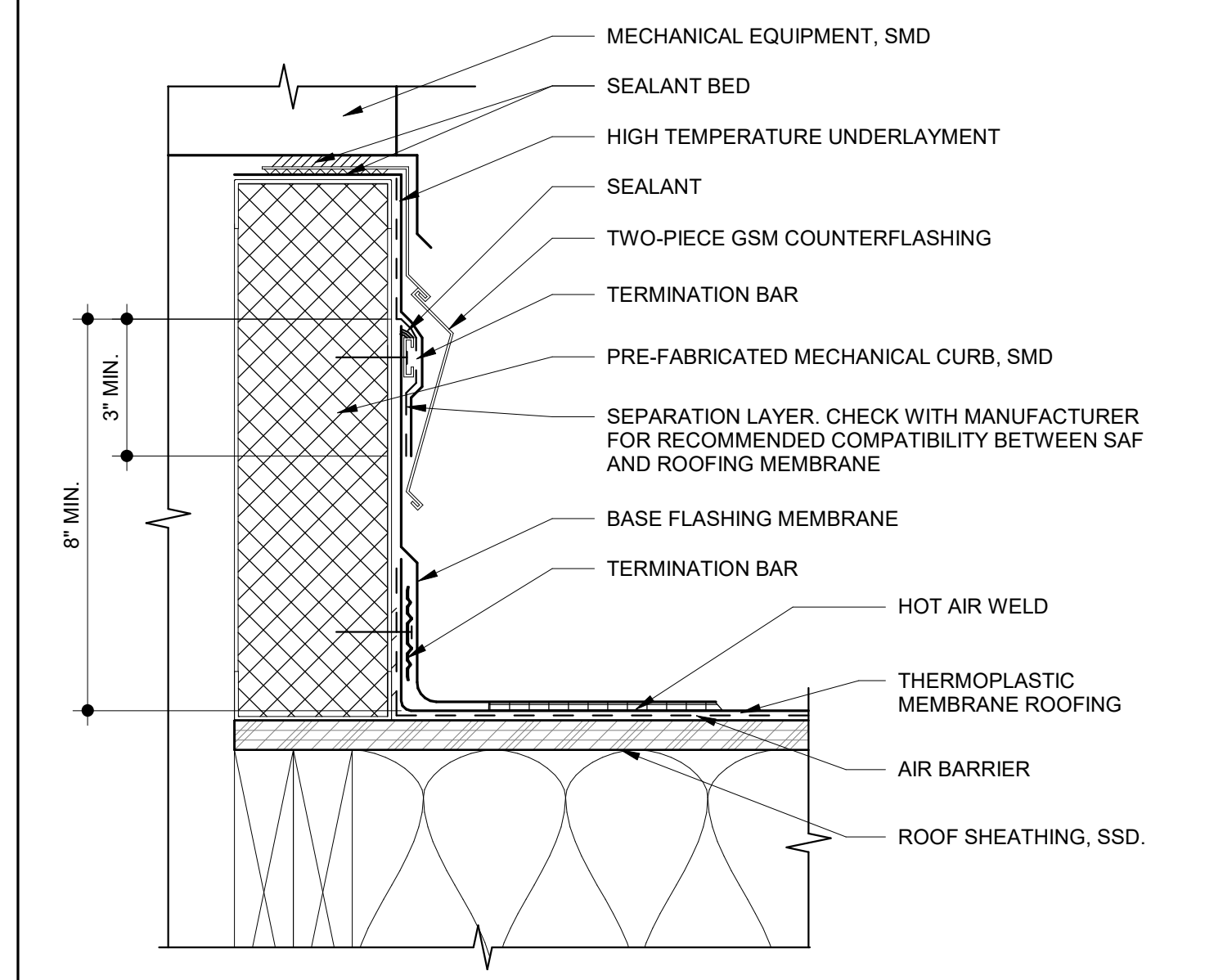
**2** ROOF MEMBRANE AT DRAIN & OVERFLOW - SECTION  
SCALE: 1 1/2" = 1'-0"



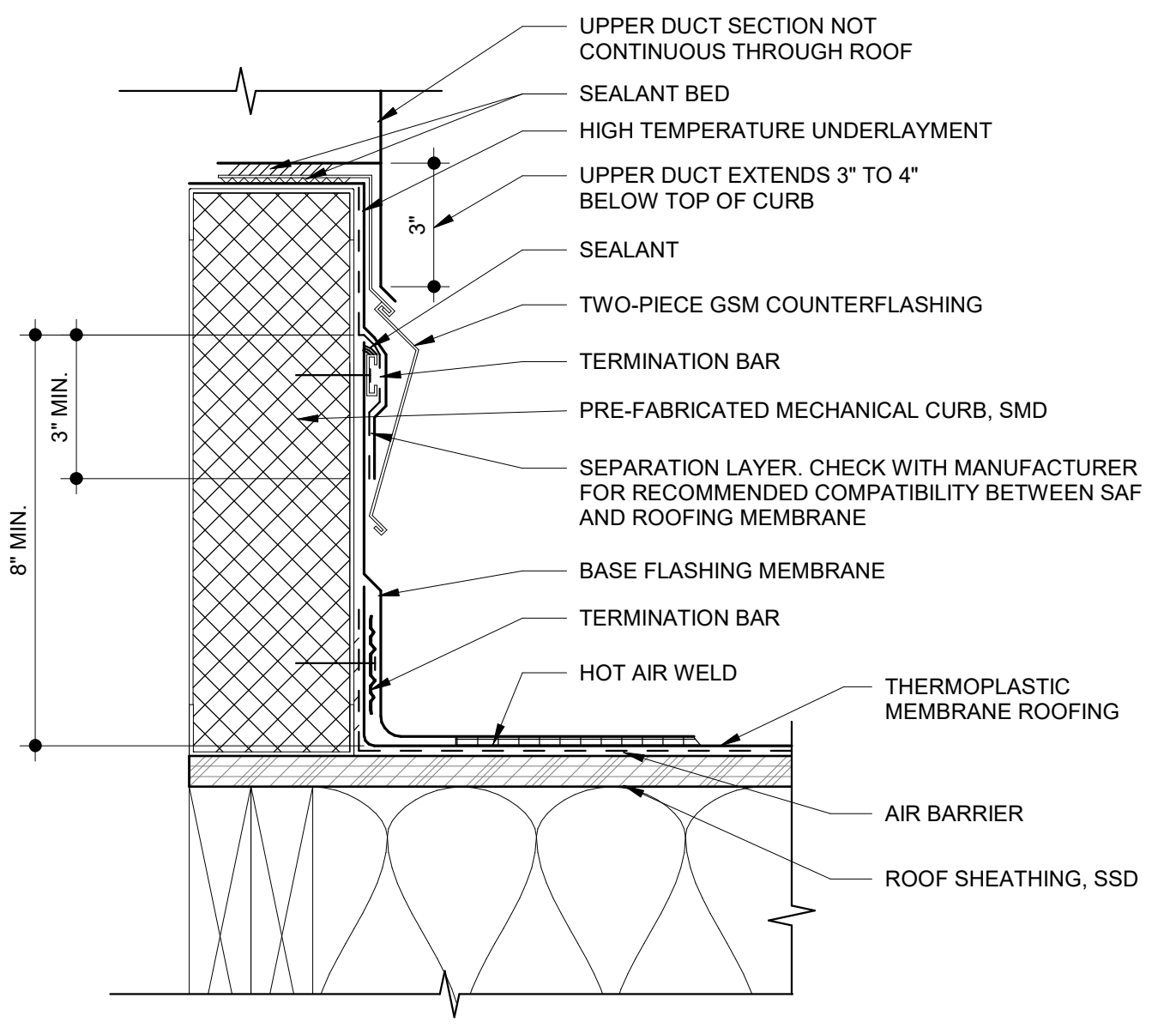
**10** TPO MEMBRANE ROOF @ SKYLIGHT  
SCALE: 3" = 1'-0"



**7** TPO MEMBRANE ROOF @ PRE-MANUF. MECH. CURB  
SCALE: 3" = 1'-0"



**4** TPO MEMBRANE ROOF @ MECHANICAL CURB  
SCALE: 3" = 1'-0"



**1** TPO MEMBRANE ROOF @ DUCT PENETRATION  
SCALE: 3" = 1'-0"



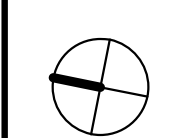
PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

PROJECT TEAM  
CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
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ARCHITECT: MARJANG ARCHITECTURE  
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| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
ROOF DETAILS



**A803**



STAMP

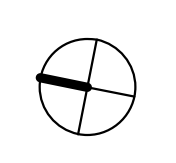
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 KENSINGTON, CA 94707**

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 SAN CARLOS, CA 94070  
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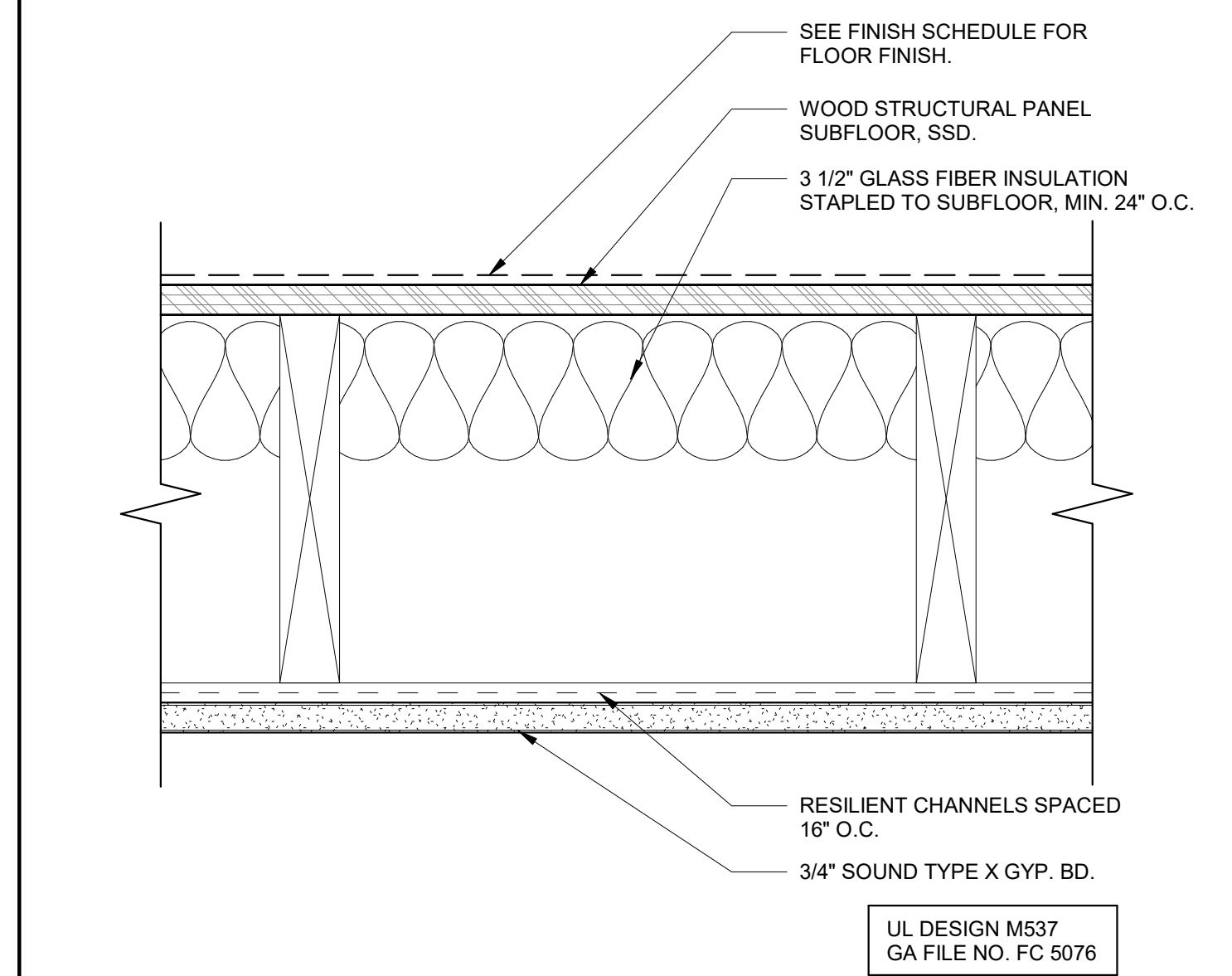
| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 3   | 50% DESIGN DEVELOPMENT     | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

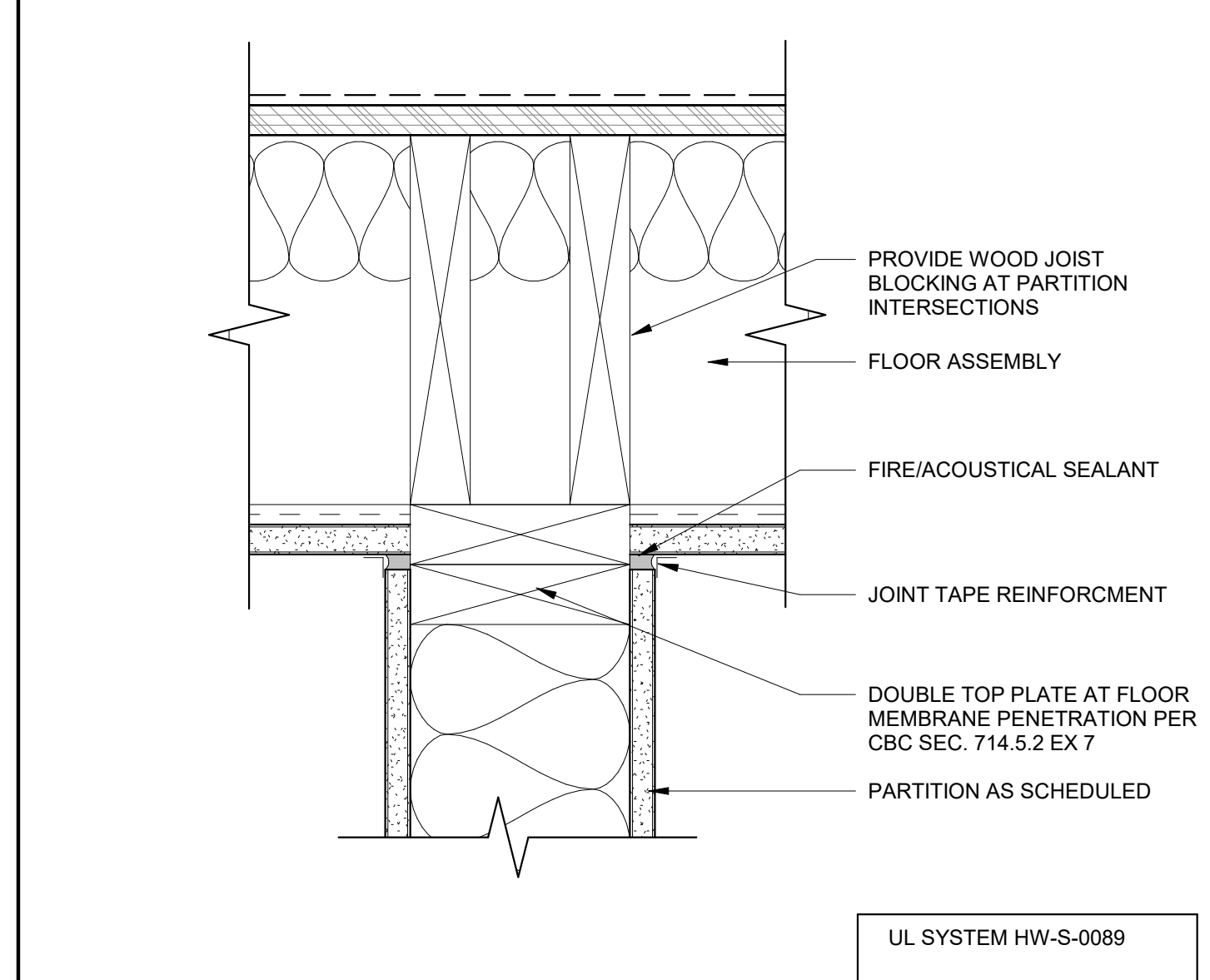
DESCRIPTION  
 INTERIOR DETAILS - WALL TYPES



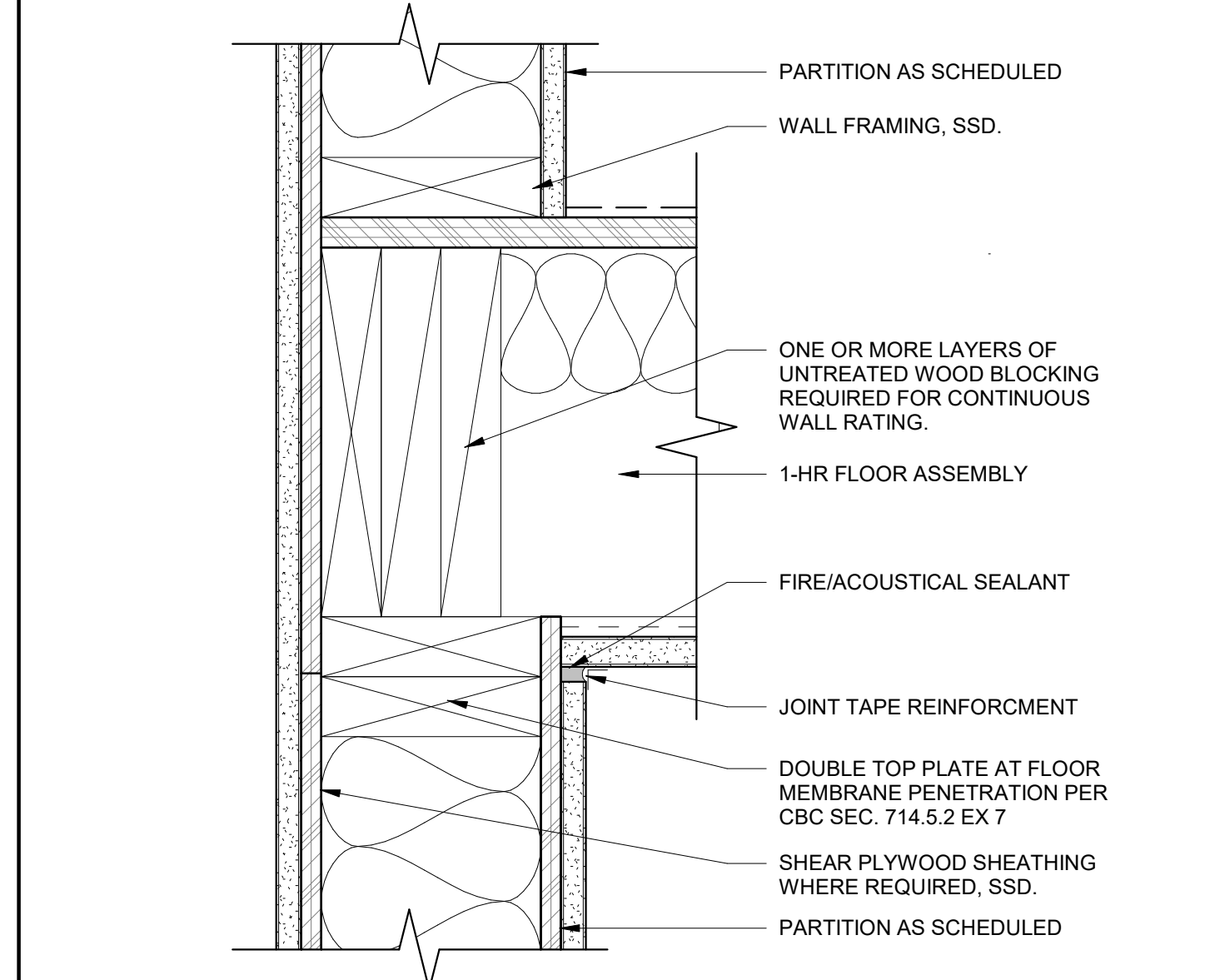
## A901



**1 FLOOR ASSEMBLY - 1 HR RATED**  
 SCALE: 3" = 1'-0"

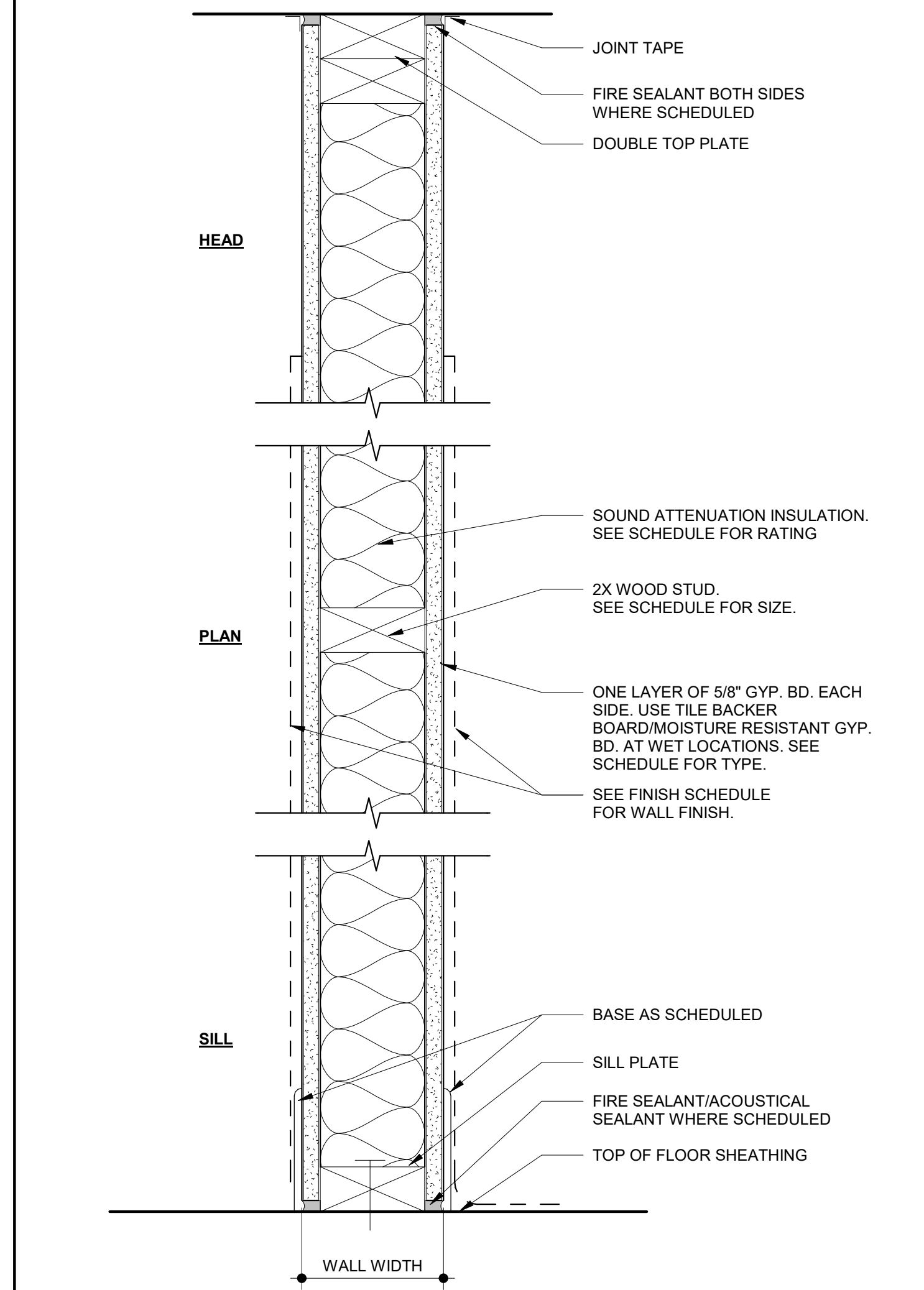


**2 1 HR RATED PARTITION AT FLOOR MEMBRANE**  
 SCALE: 3" = 1'-0"

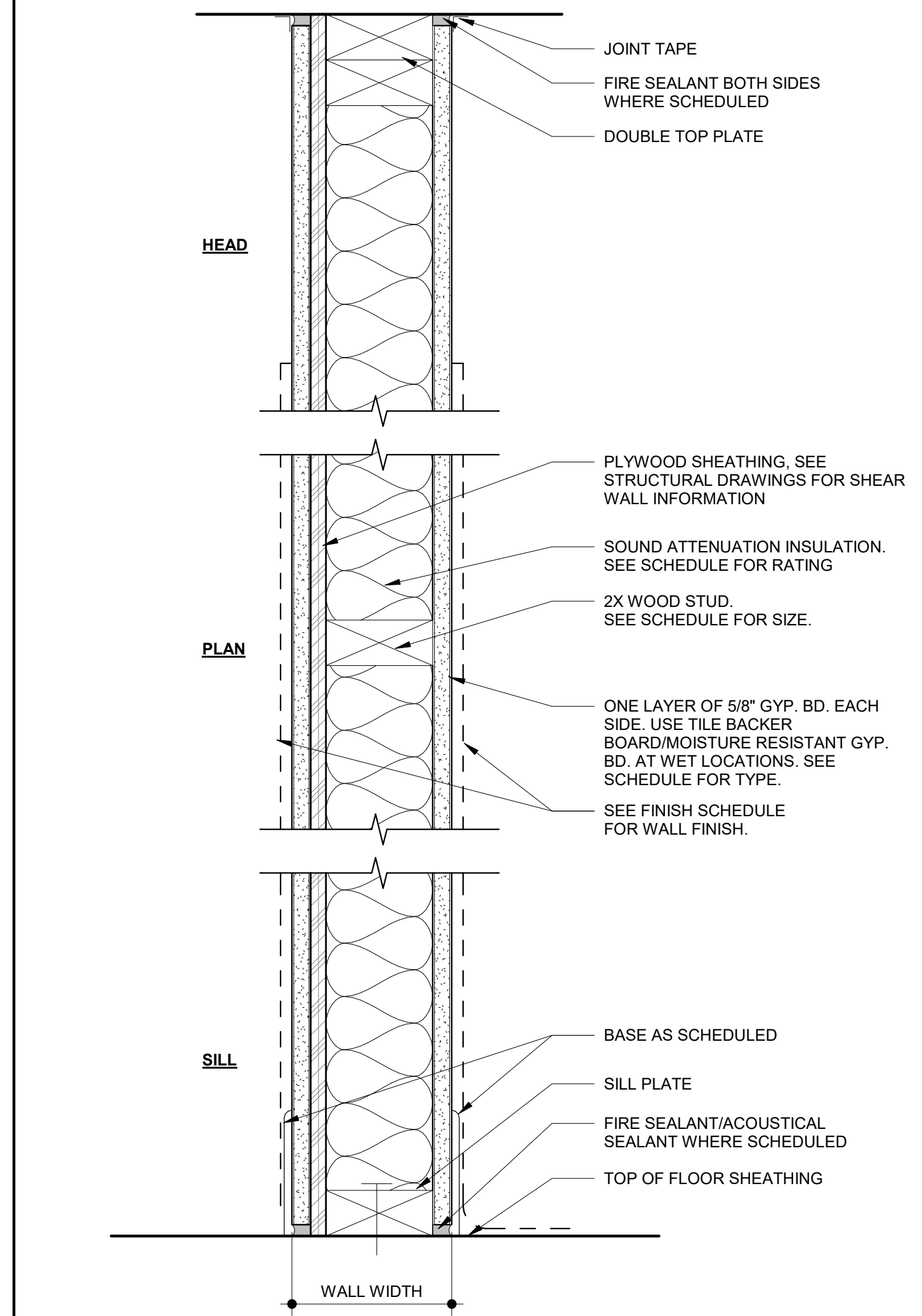


**3 1 HR RTD ELEV. SHAFT @ WALL-FLR INTERSECTION**  
 SCALE: 3" = 1'-0"

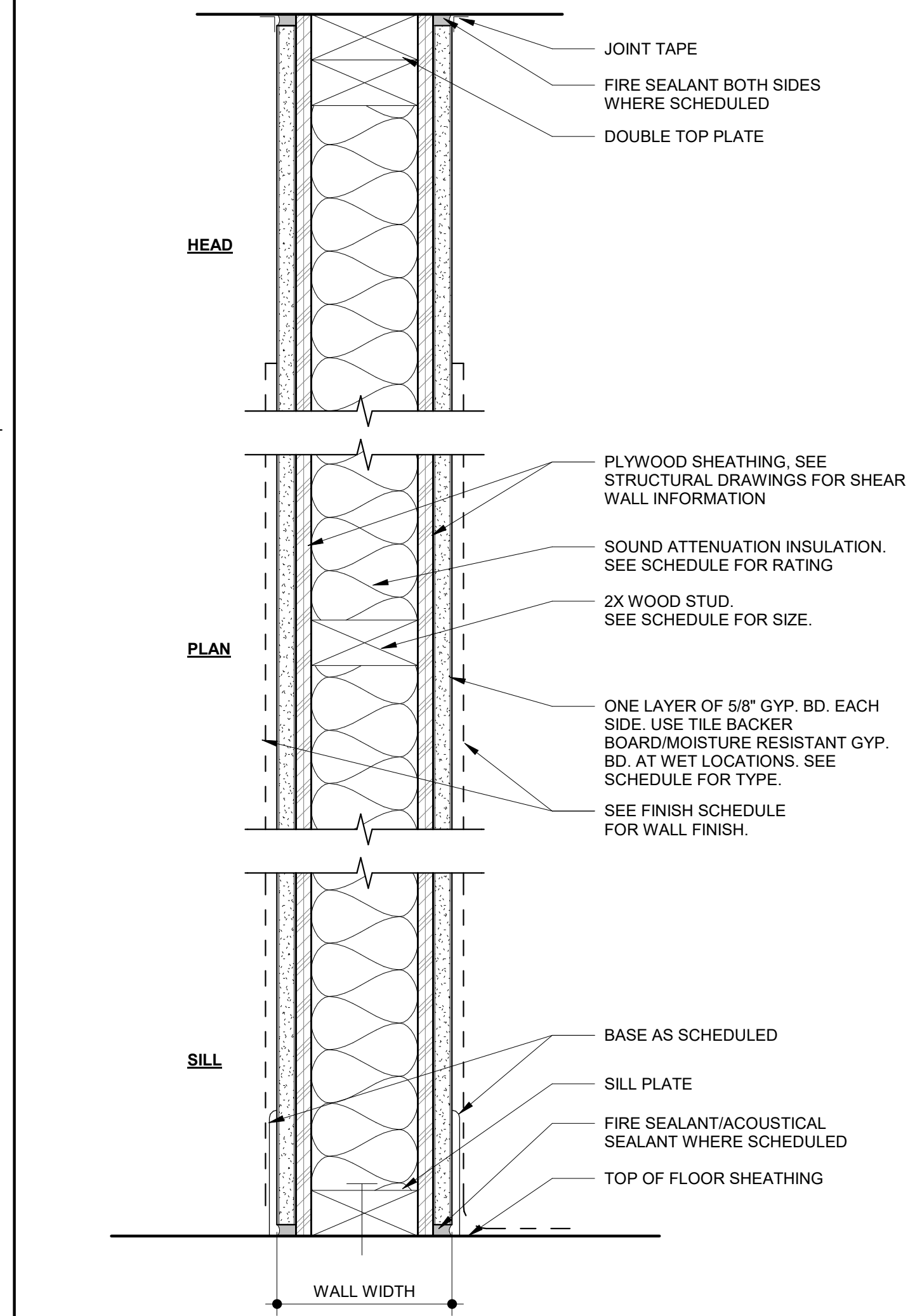
NOTE:  
 A. FOR ALL WALL TYPE LOCATIONS, SEE SHEETS A2.02 AND A2.04.  
 B. SEE STRUCTURAL DRAWINGS FOR WOOD STUD WALL FRAMING, CONNECTIONS AND DETAILING.  
 C. SEE STRUCTURAL DRAWINGS FOR EXTERIOR AND INTERIOR SHEAR WALL LOCATIONS  
 D. FOR BLOCKING, SEE DETAIL X/A9.XX  
 E. FOR CONNECTIONS TO FLOOR FRAMING AND ROOF FRAMING, SEE DETAIL X/A9.0X  
 F. PER CBC 1207, SOUND TRANSMISSION RATINGS FOR ALL WALL ASSEMBLIES SHALL BE GREATER THAN STC 50 WHEN BETWEEN DWELLING SPACE AND A PUBLIC OR OTHER OCCUPANCY.  
 G. PROVIDE FIRE BLOCKING PER CBC SECTION 718.2



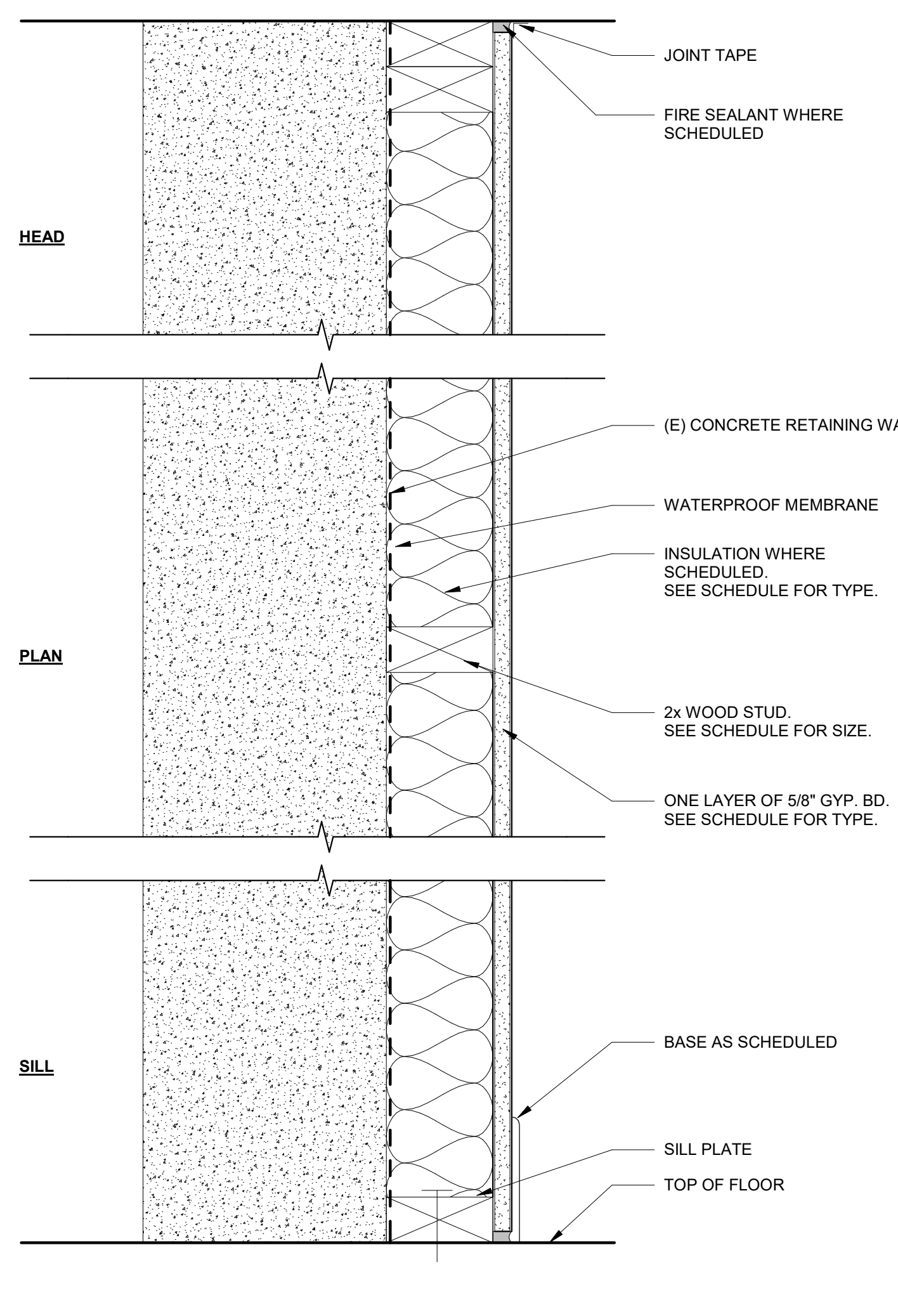
**A WALL TYPE A**  
 SCALE: 3" = 1'-0"



**B WALL TYPE B**  
 SCALE: 3" = 1'-0"



**C WALL TYPE C**  
 SCALE: 3" = 1'-0"



**D WALL TYPE D**  
 SCALE: 3" = 1'-0"

| WALL TYPE | FRAMING | WALL WIDTH | RATING | UL#     | INSULATION | STC   | GA FILE NO. | COMMENTS |
|-----------|---------|------------|--------|---------|------------|-------|-------------|----------|
| D1        | 2 X 6   | 7 3/4"     | 1-HR   | UL U005 | Y          | 45-49 |             |          |

| WALL TYPE | FRAMING | WALL WIDTH | RATING | UL#     | INSULATION | STC   | GA FILE NO. | COMMENTS |
|-----------|---------|------------|--------|---------|------------|-------|-------------|----------|
| B3        | 2 X 6   | 7 1/4"     | 1-HR   | UL U005 | Y          | 45-49 |             |          |
| B4        | 2 X 6   | 7 1/4"     | 1-HR   | UL U005 | Y          | 45-49 |             |          |

| WALL TYPE | FRAMING | WALL WIDTH | RATING | UL#     | INSULATION | STC   | GA FILE NO. | COMMENTS |
|-----------|---------|------------|--------|---------|------------|-------|-------------|----------|
| A1        | 2 X 4   | 4 3/4"     | 1-HR   |         | Y          | 45-49 |             |          |
| A3        | 2 X 6   | 6 3/4"     | 1-HR   | UL U005 | Y          | 45-49 |             |          |
| A4        | 2 X 6   | 6 3/4"     | 1-HR   | UL U005 | Y          | 45-49 |             |          |

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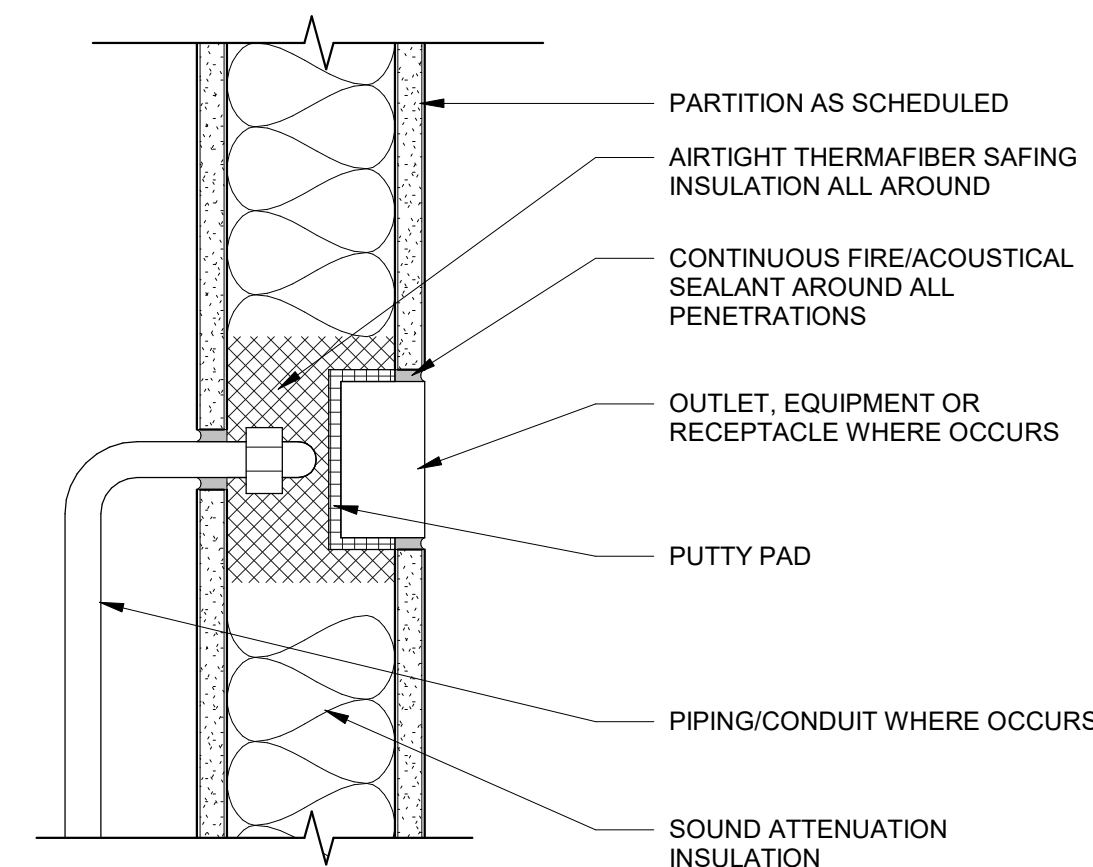
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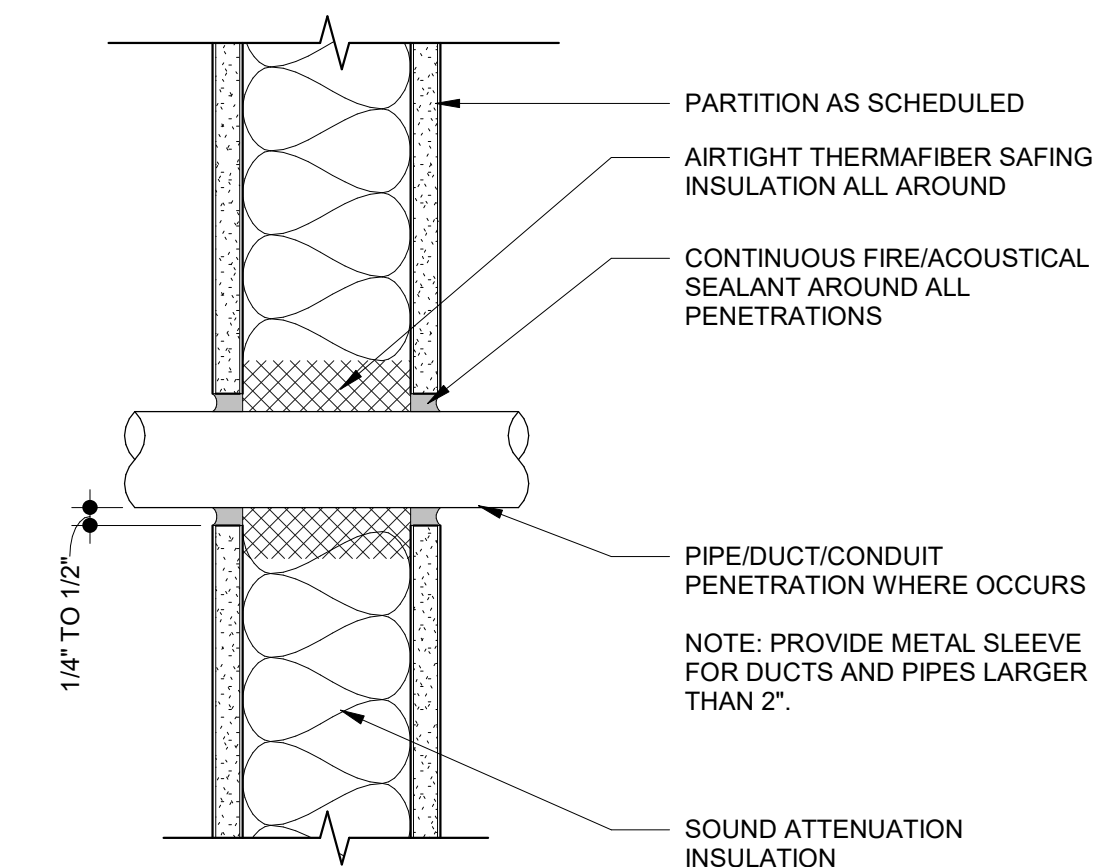


PROJECT ADDRESS  
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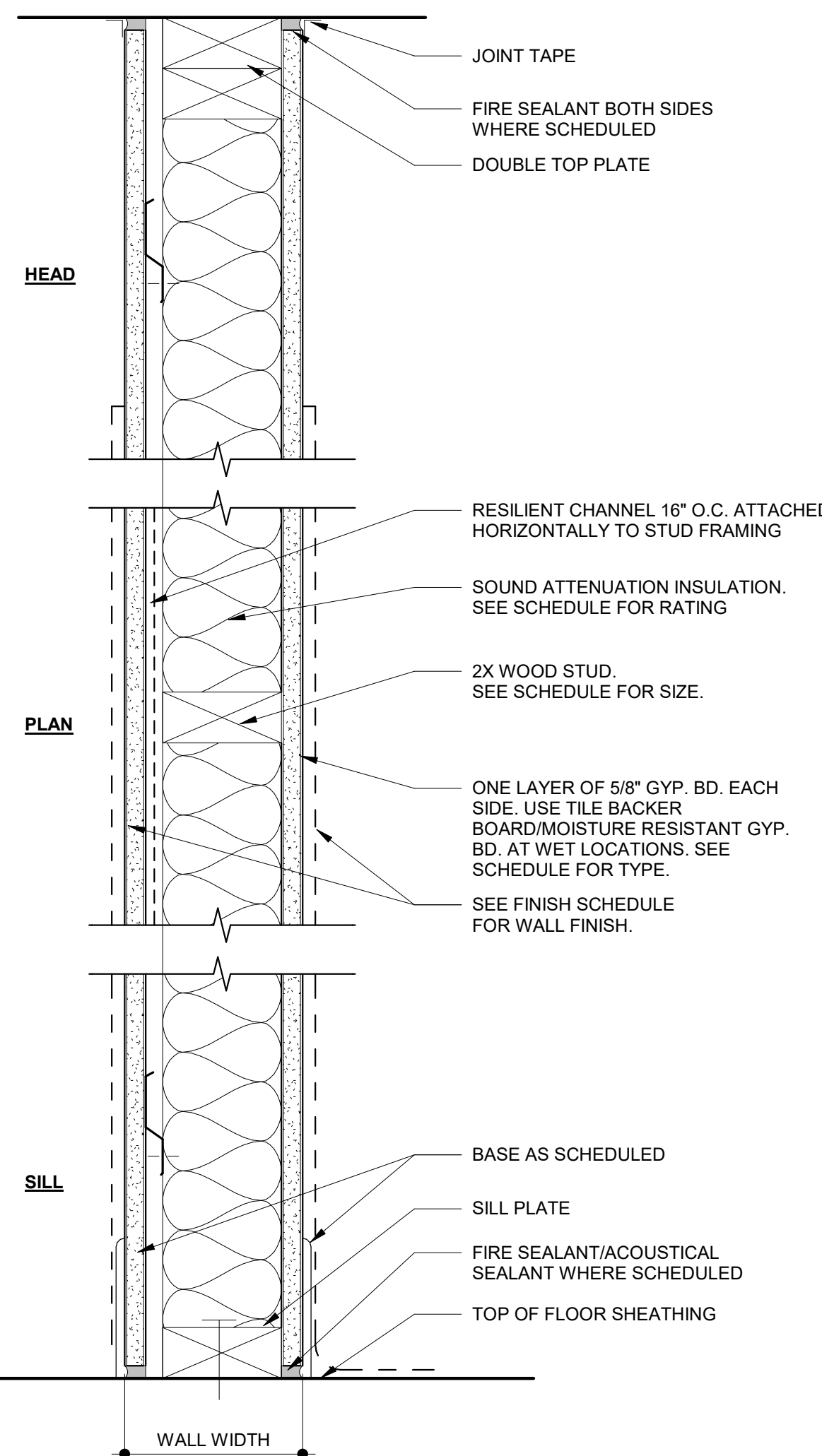


**2** TYP. RECEPTACLE PENETRATION @ RTD PARTITION  
 SCALE: 3" = 1'-0"



**1** TYP. PIPE PENETRATION @ RATED PARTITION  
 SCALE: 3" = 1'-0"

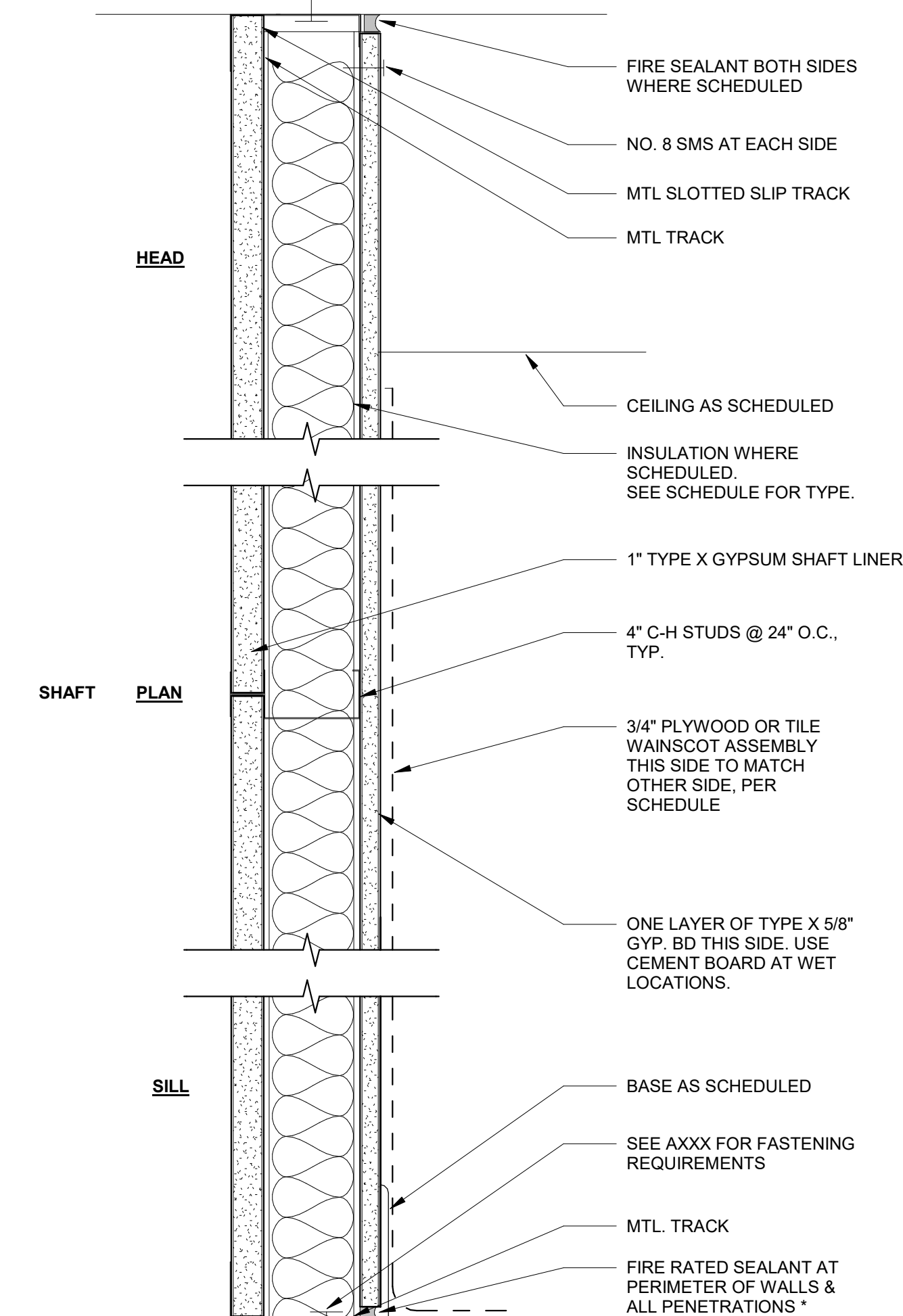
NOTE:  
 A. FOR ALL WALL TYPE LOCATIONS, SEE SHEETS A2.02 AND A2.04.  
 B. SEE STRUCTURAL DRAWINGS FOR WOOD STUD WALL FRAMING, CONNECTIONS AND DETAILING.  
 C. SEE STRUCTURAL DRAWINGS FOR EXTERIOR AND INTERIOR SHEAR WALL LOCATIONS  
 D. FOR BLOCKING, SEE DETAIL X/A9.XX  
 E. FOR CONNECTIONS TO FLOOR FRAMING AND ROOF FRAMING, SEE DETAIL X/A9.0X  
 F. PER CBC 1207, SOUND TRANSMISSION RATINGS FOR ALL WALL ASSEMBLIES SHALL BE GREATER THAN STC 50 WHEN BETWEEN DWELLING SPACE AND A PUBLIC OR OTHER OCCUPANCY.



| WALL TYPE | FRAMING | WALL WIDTH | RATING | UL#     | INSULATION | STC | GA FILE NO. | COMMENTS |
|-----------|---------|------------|--------|---------|------------|-----|-------------|----------|
| F1        | 2 X 4   | 5 1/4"     | 1-HR   | UL U099 | YES        | 54  | WP 3242     |          |
| F2        | 2 X 6   | 7 3/4"     | 1-HR   | UL U099 | YES        | 54  | WP 3242     | NOTE 1   |

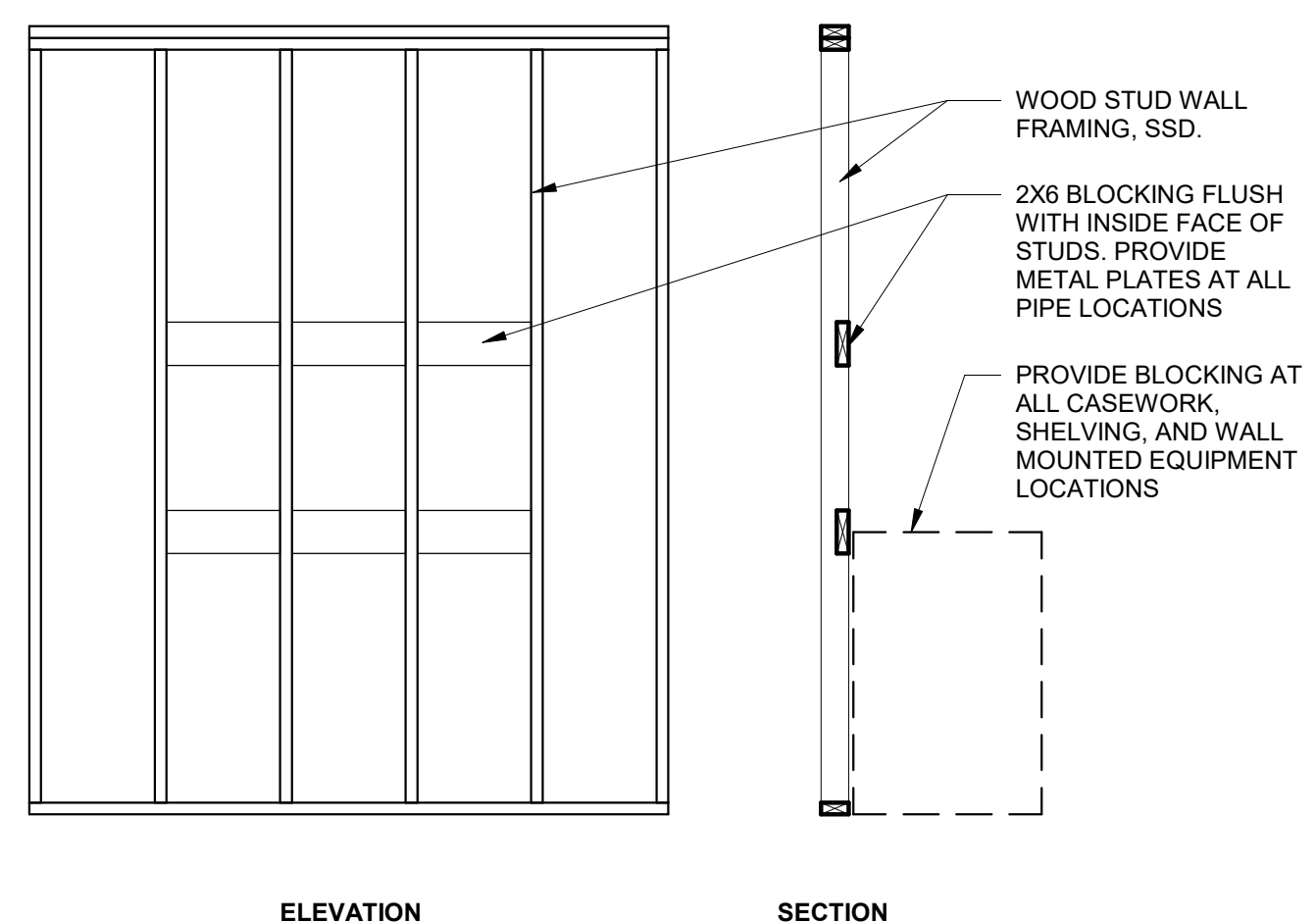
NOTE 1: PROVIDE PLYWOOD SHEATHING FOR SHEAR WALLS WHERE REQUIRED, SEE STRUCTURAL DRAWINGS

**F** WALL TYPE F  
 SCALE: 3" = 1'-0"



| WALL TYPE | FRAMING    | WALL WIDTH | RATING | UL#     | INSULATION | STC   | GA FILE NO. | COMMENTS |
|-----------|------------|------------|--------|---------|------------|-------|-------------|----------|
| E1        | 4" CH STUD | 5 1/4"     | 1-HR   | UL V455 | YES        | 40-44 | WP 6851     |          |

**E** WALL TYPE E  
 SCALE: 3" = 1'-0"

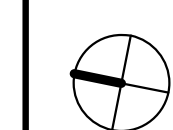


**3** WOOD BLOCKING BACKING DETAIL  
 SCALE: 1/2" = 1'-0"

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
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JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
 INTERIOR DETAILS - WALL TYPES



**A902**



STAMP



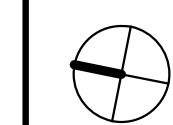
PROJECT ADDRESS  
217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM  
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 217 ARLINGTON AVE  
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 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
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 CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
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 GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544  
 MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390  
 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140  
 ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

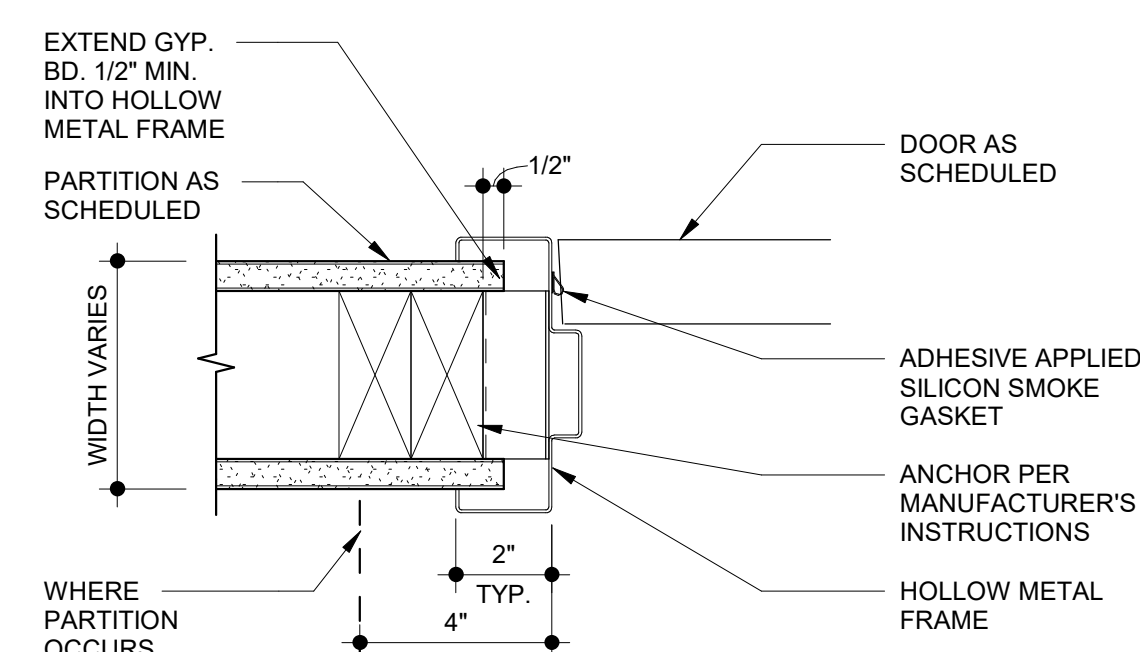
| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 4   | 100% DESIGN DEVELOPMENT    | 12/17/2021 |
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

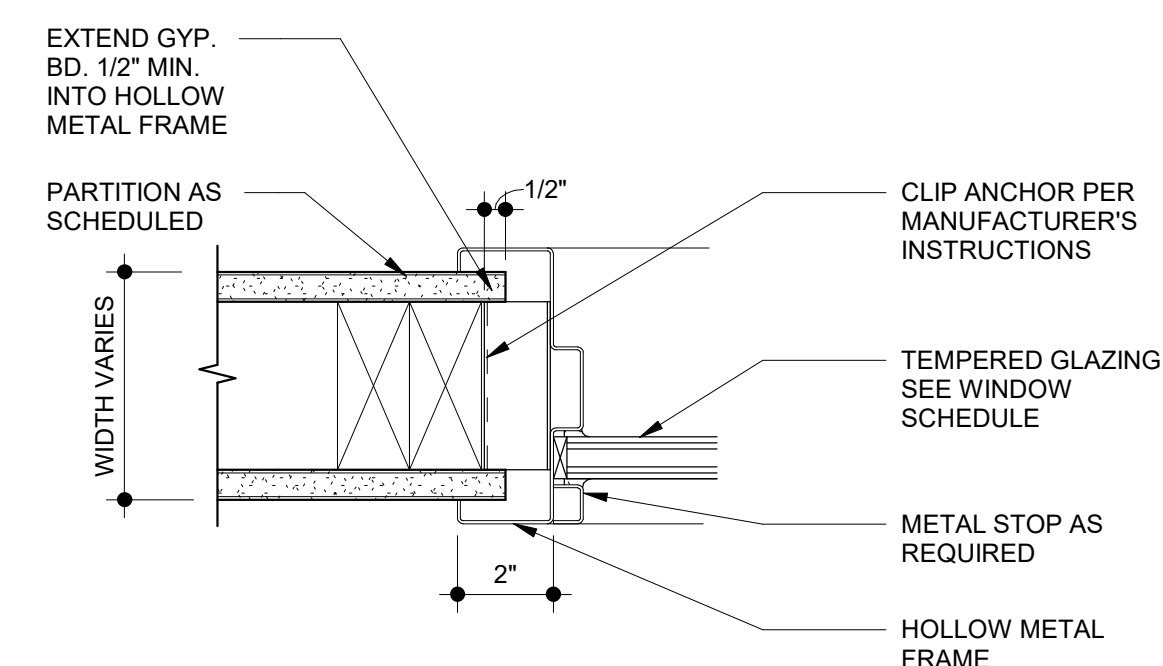
DESCRIPTION  
INTERIOR DETAILS



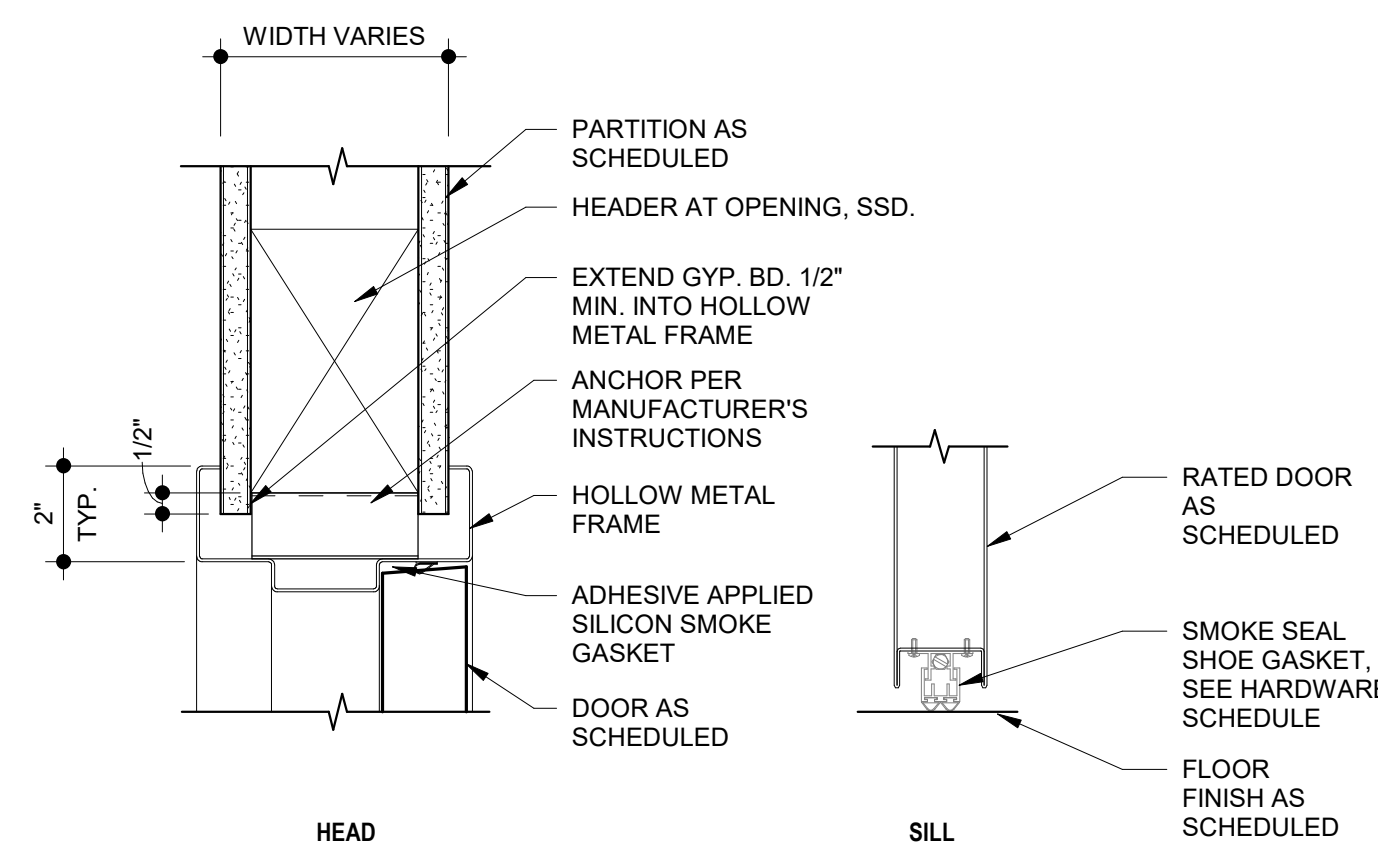
## A903



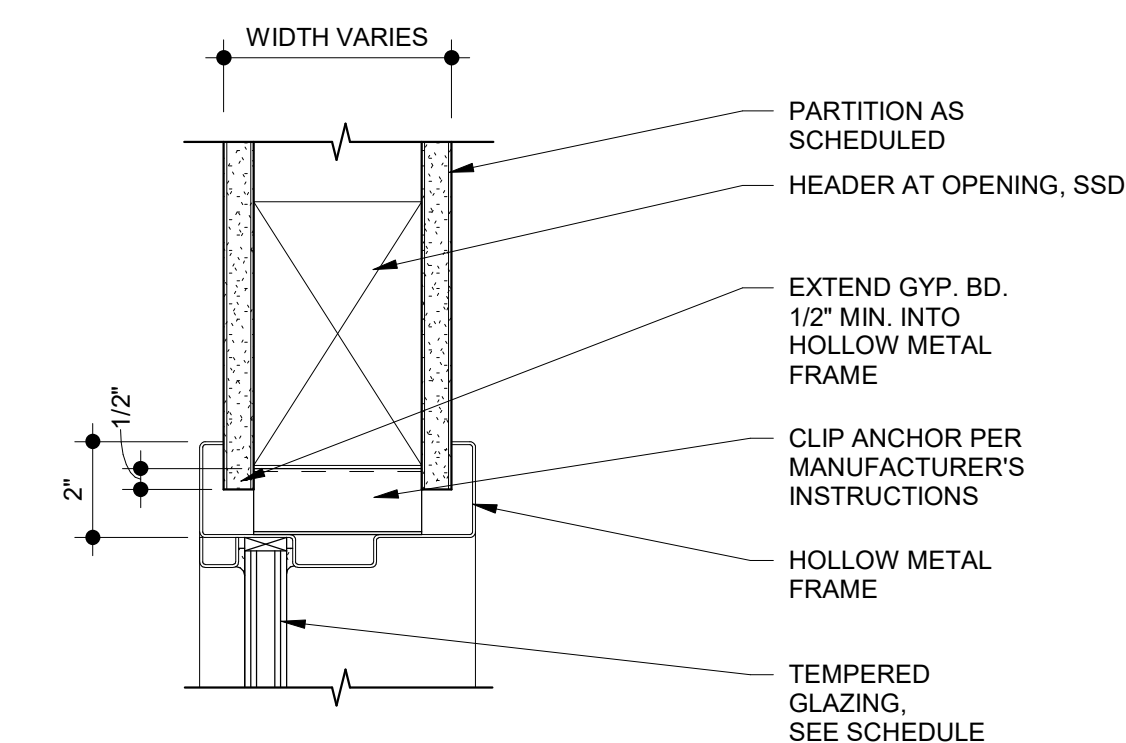
**8** RATED HOLLOW METAL DOOR JAMB  
SCALE: 3" = 1'-0"



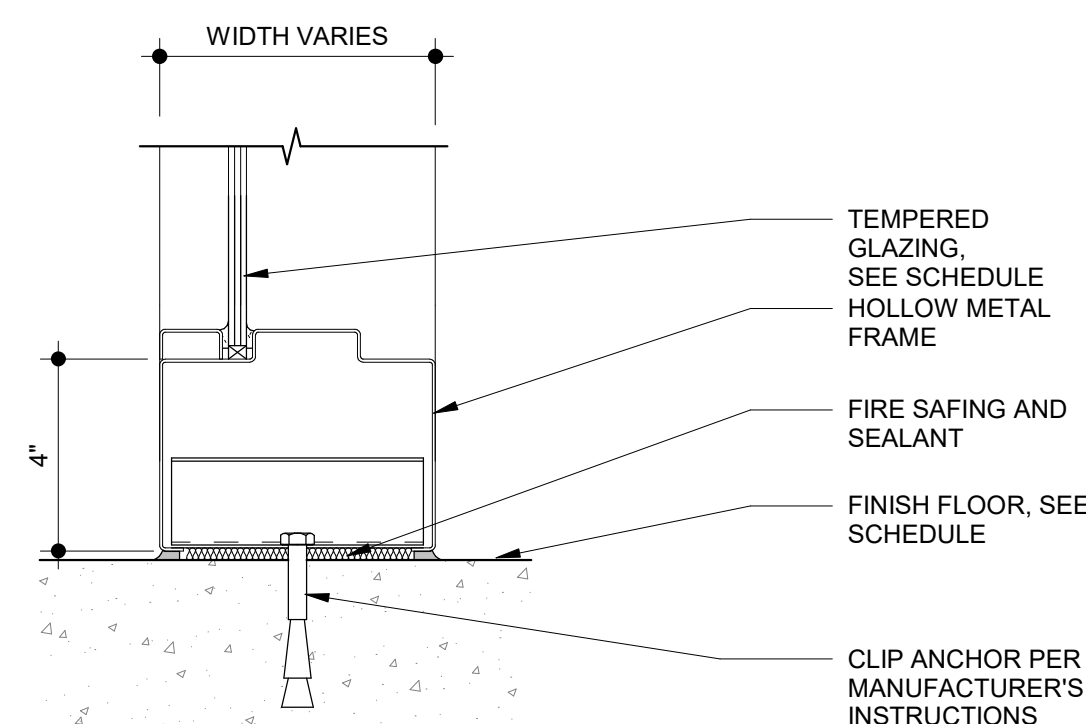
**4** RATED INT HOLLOW METAL SIDELITE JAMB  
SCALE: 3" = 1'-0"



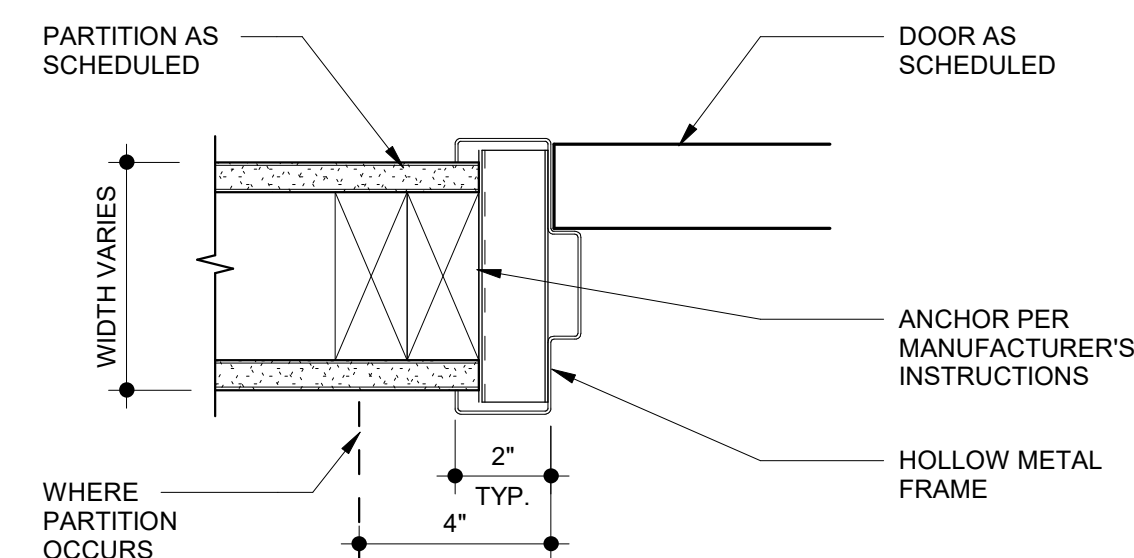
**7** RATED HOLLOW METAL DOOR HEAD/THRESHOLD  
SCALE: 3" = 1'-0"



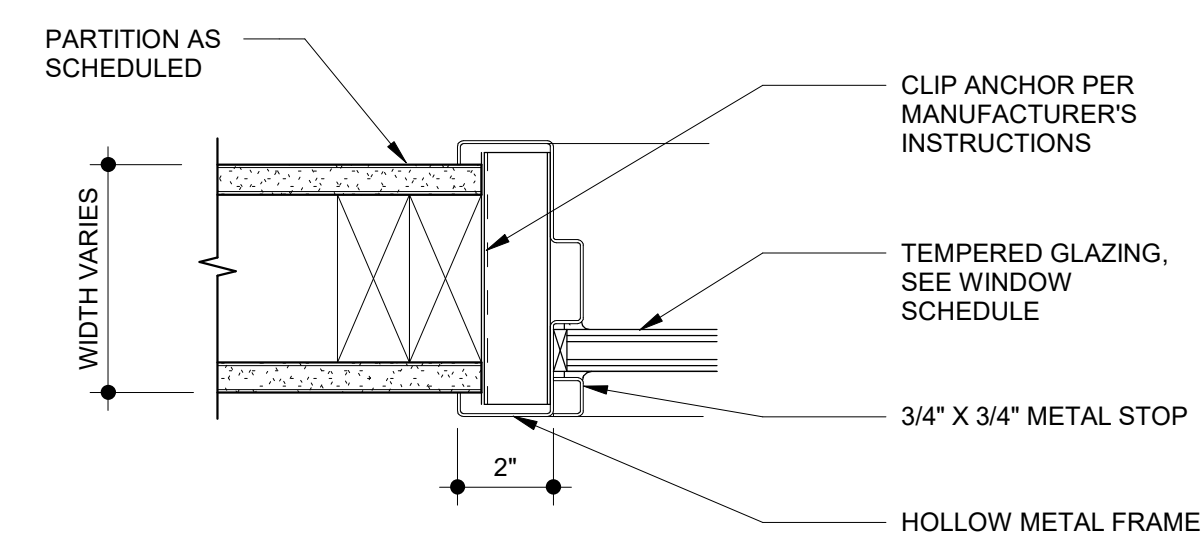
**3** RATED INT HOLLOW METAL SIDELITE HEAD/SILL  
SCALE: 3" = 1'-0"



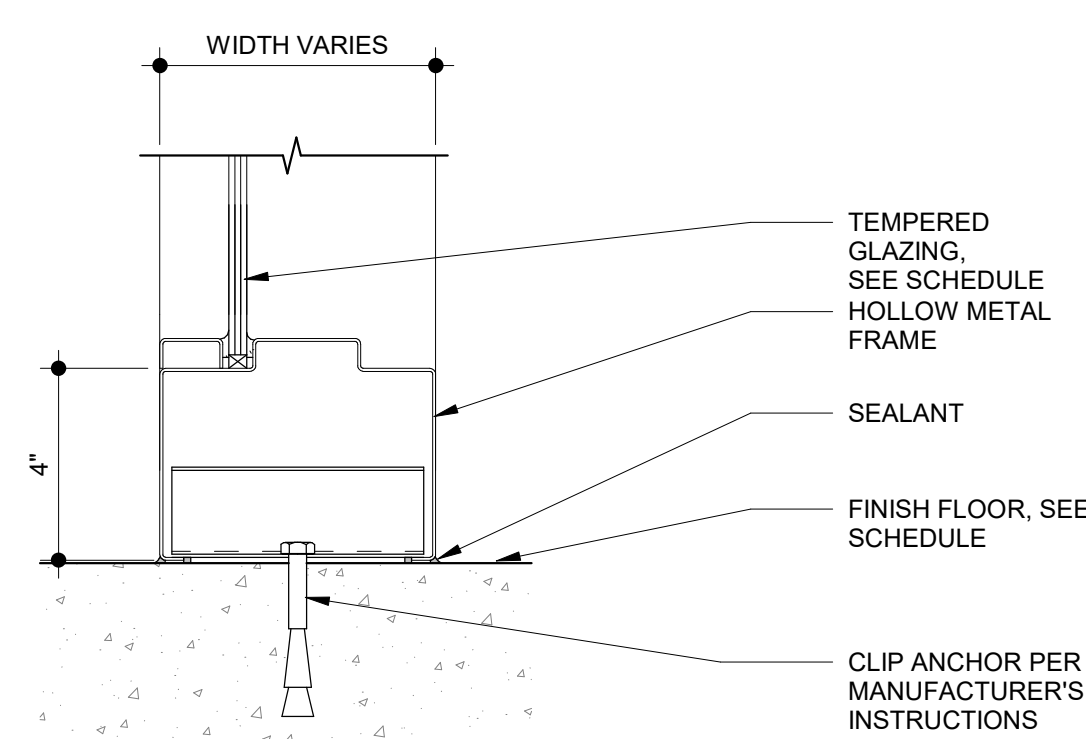
**10** RATED INTERIOR WINDOW SILL @ FLOOR  
SCALE: 3" = 1'-0"



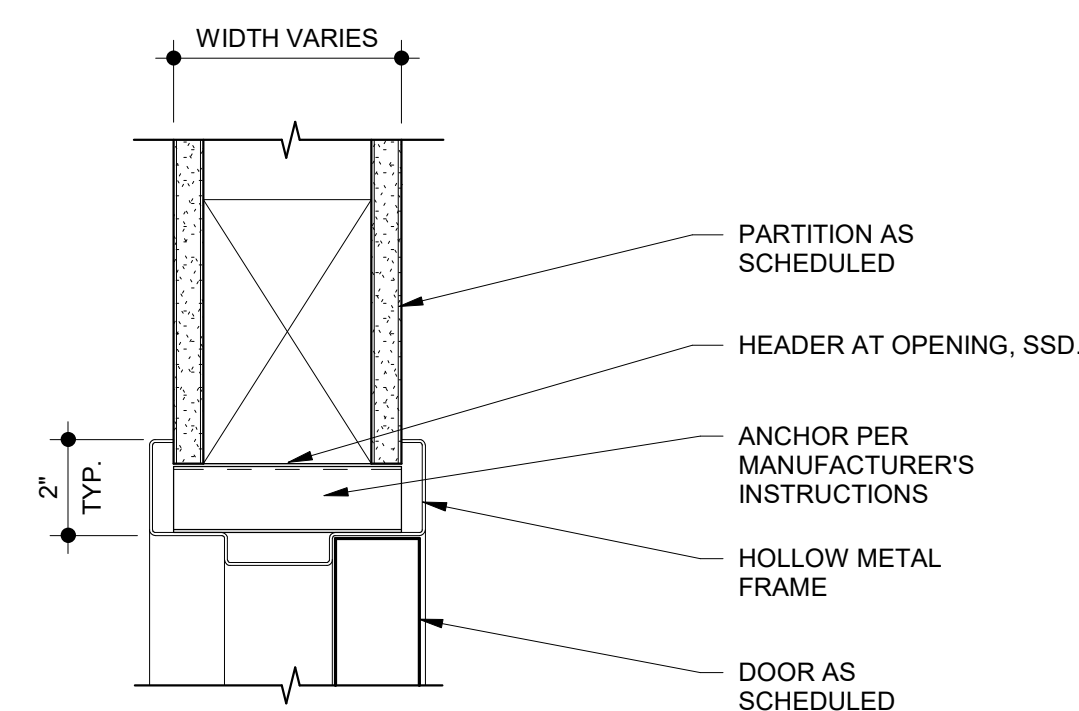
**6** TYPICAL HOLLOW METAL DOOR JAMB  
SCALE: 3" = 1'-0"



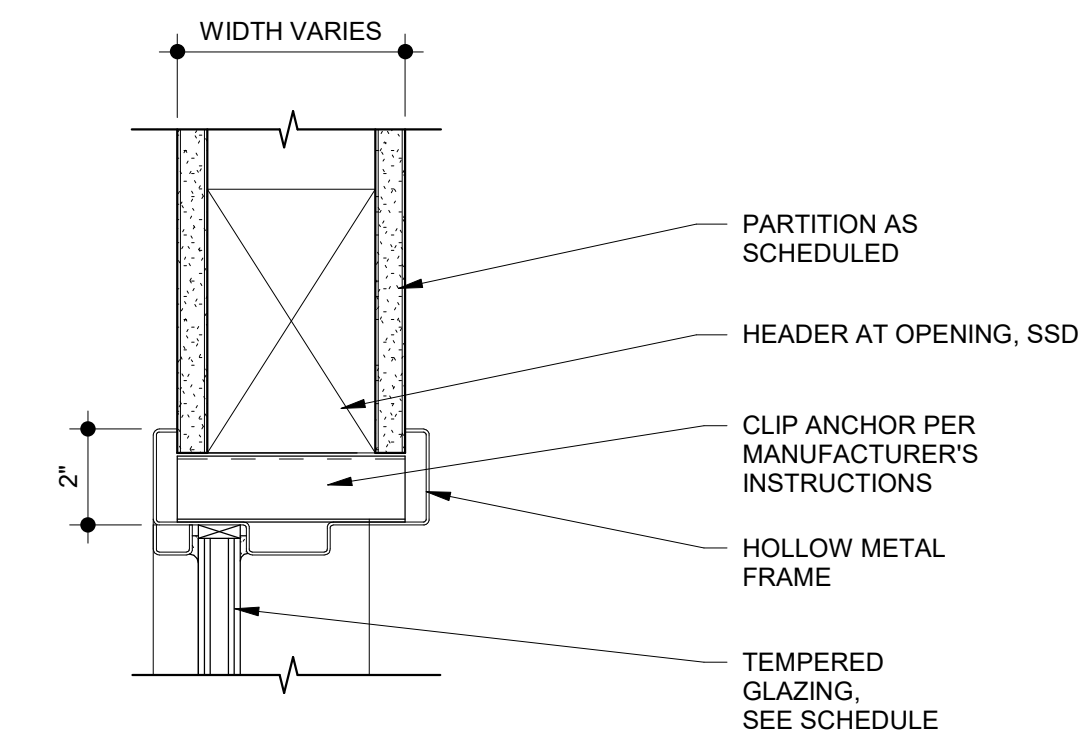
**2** TYPICAL INTERIOR WINDOW JAMB  
SCALE: 3" = 1'-0"



**9** INTERIOR WINDOW SILL @ FLOOR  
SCALE: 3" = 1'-0"



**5** TYPICAL HOLLOW METAL DOOR HEAD  
SCALE: 3" = 1'-0"



**1** TYPICAL INTERIOR WINDOW HEAD (SILL SIM)  
SCALE: 3" = 1'-0"

STAMP



PROJECT ADDRESS  
217 ARLINGTON AVE.  
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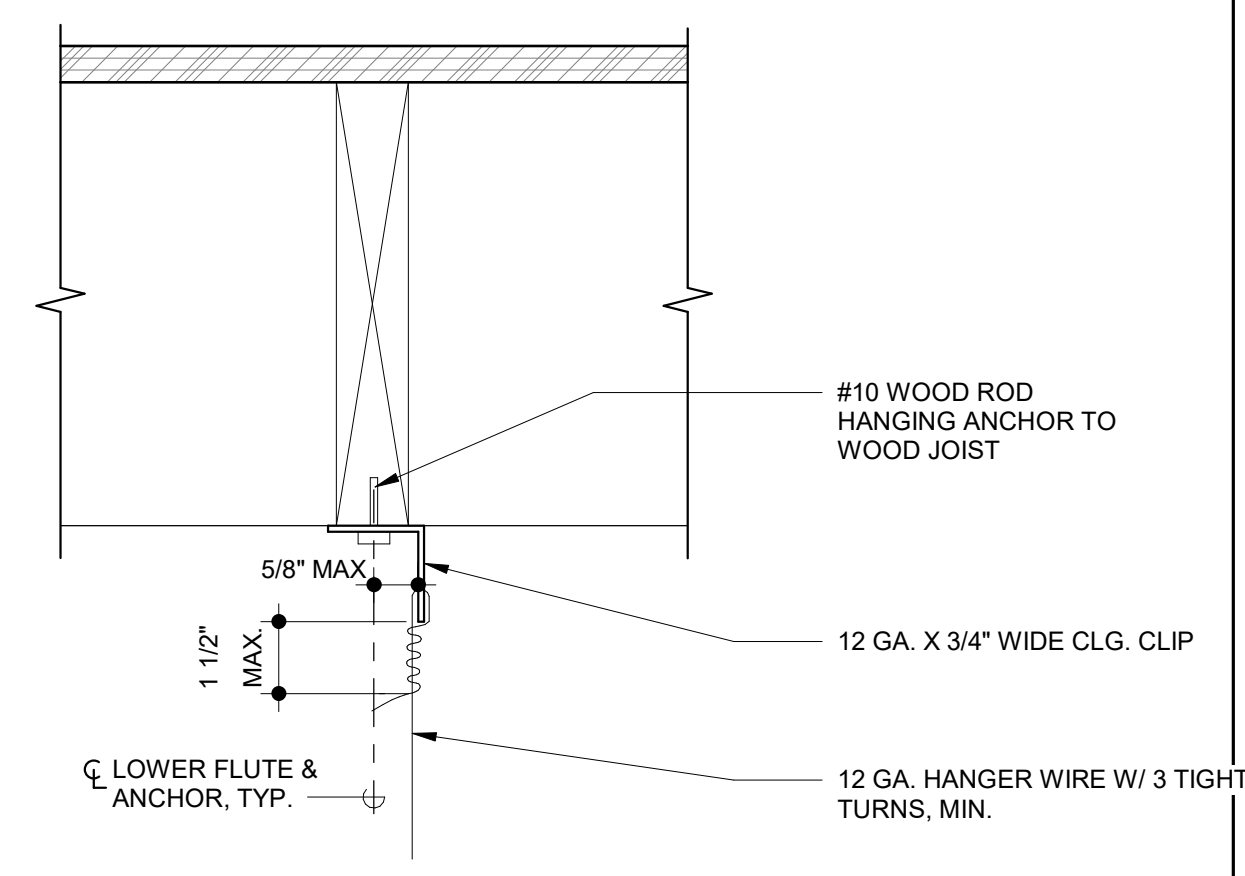
GEOTECH: HALEY ALDRICH  
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MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

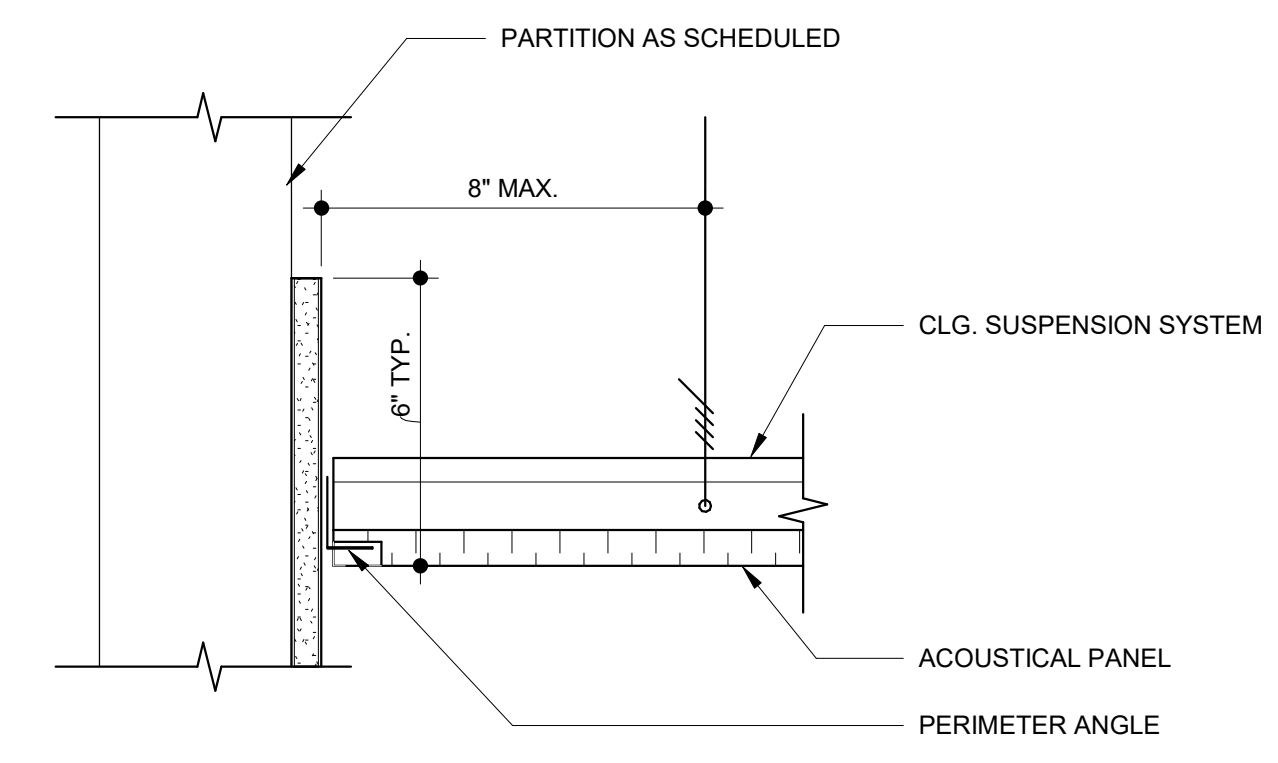
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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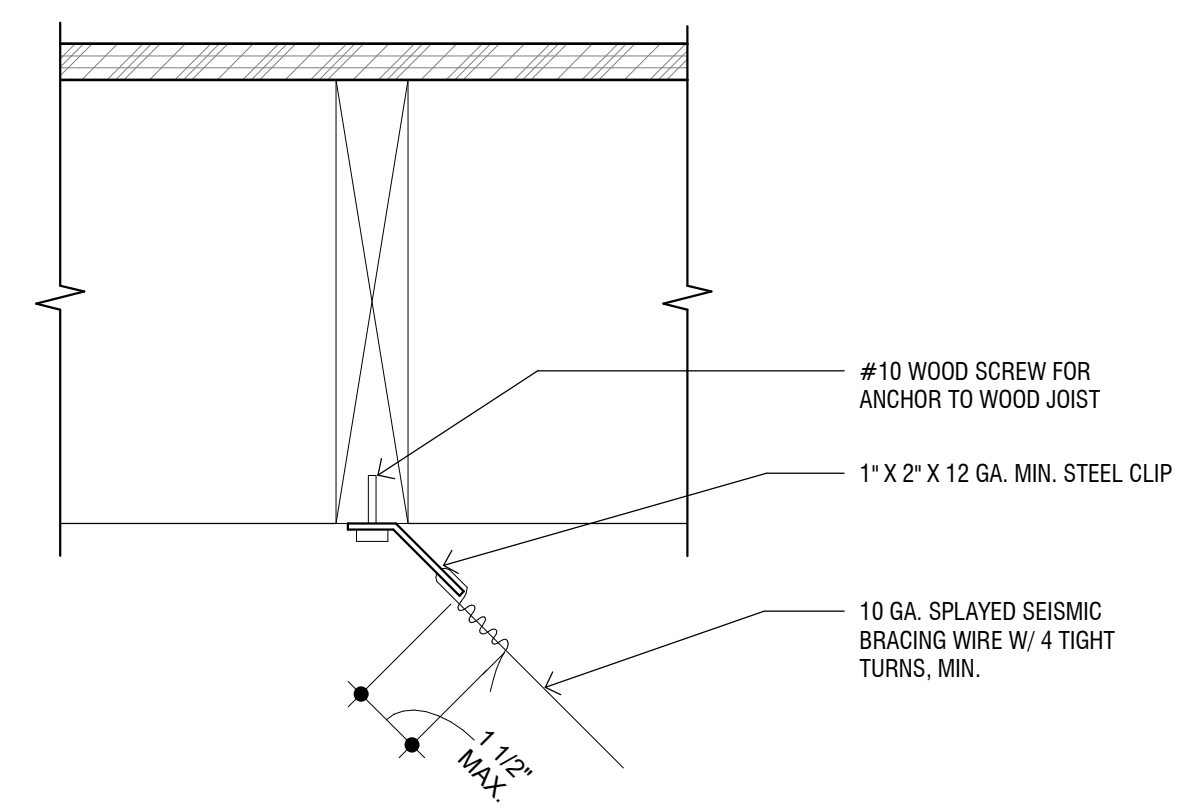
**8** HANGAR WIRE ATTACHMENT @ WD FLR FRAMING  
SCALE: 3" = 1'-0"



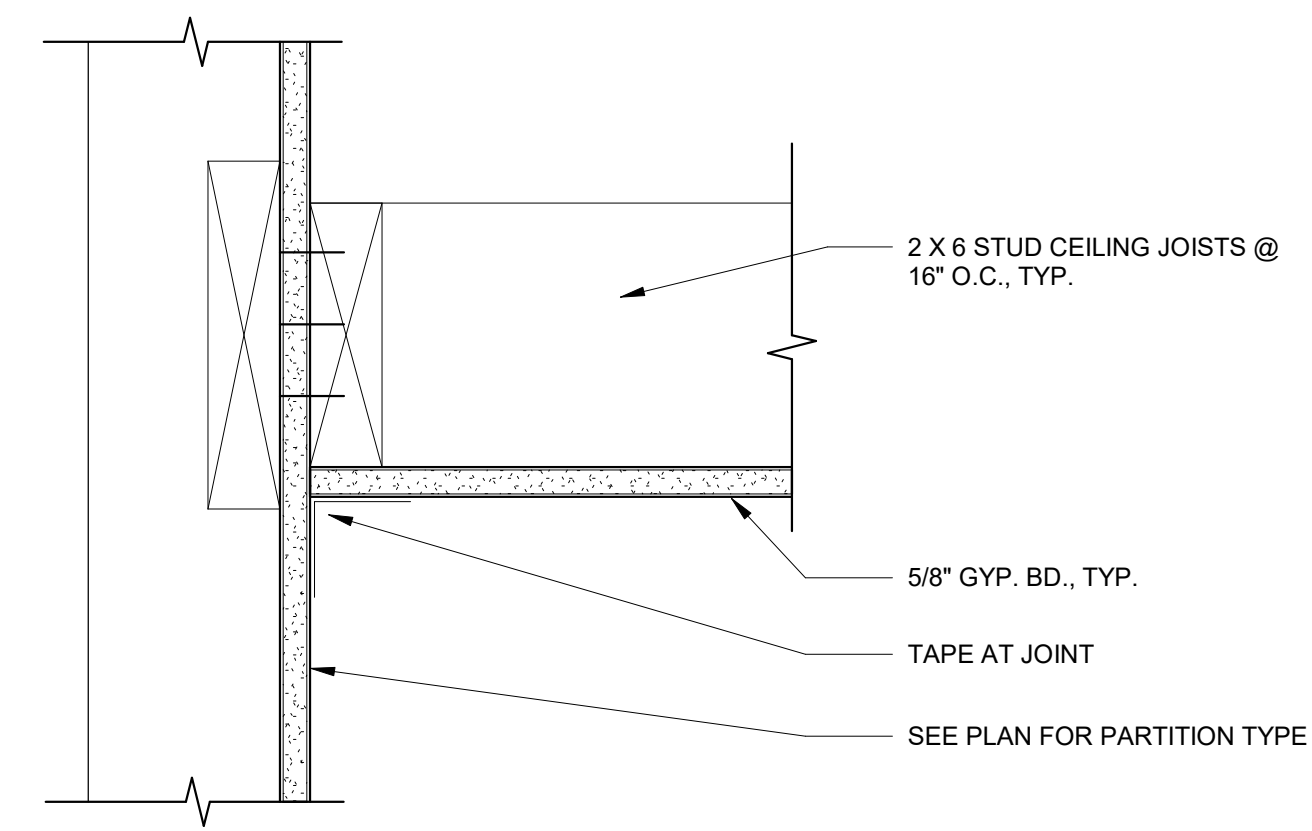
**4** TYP. CONDITION @ ACOUSTIC TILE CEILING  
SCALE: 3" = 1'-0"



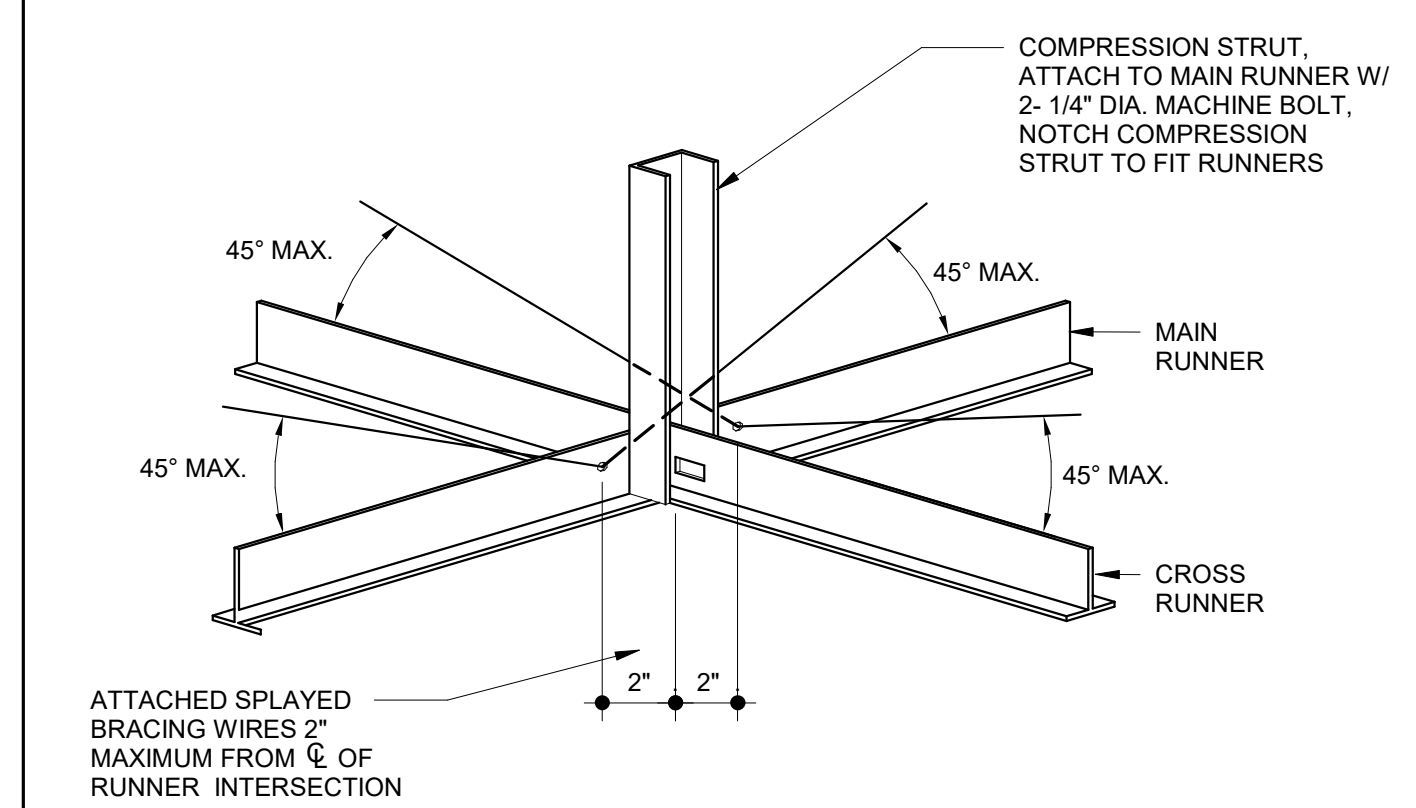
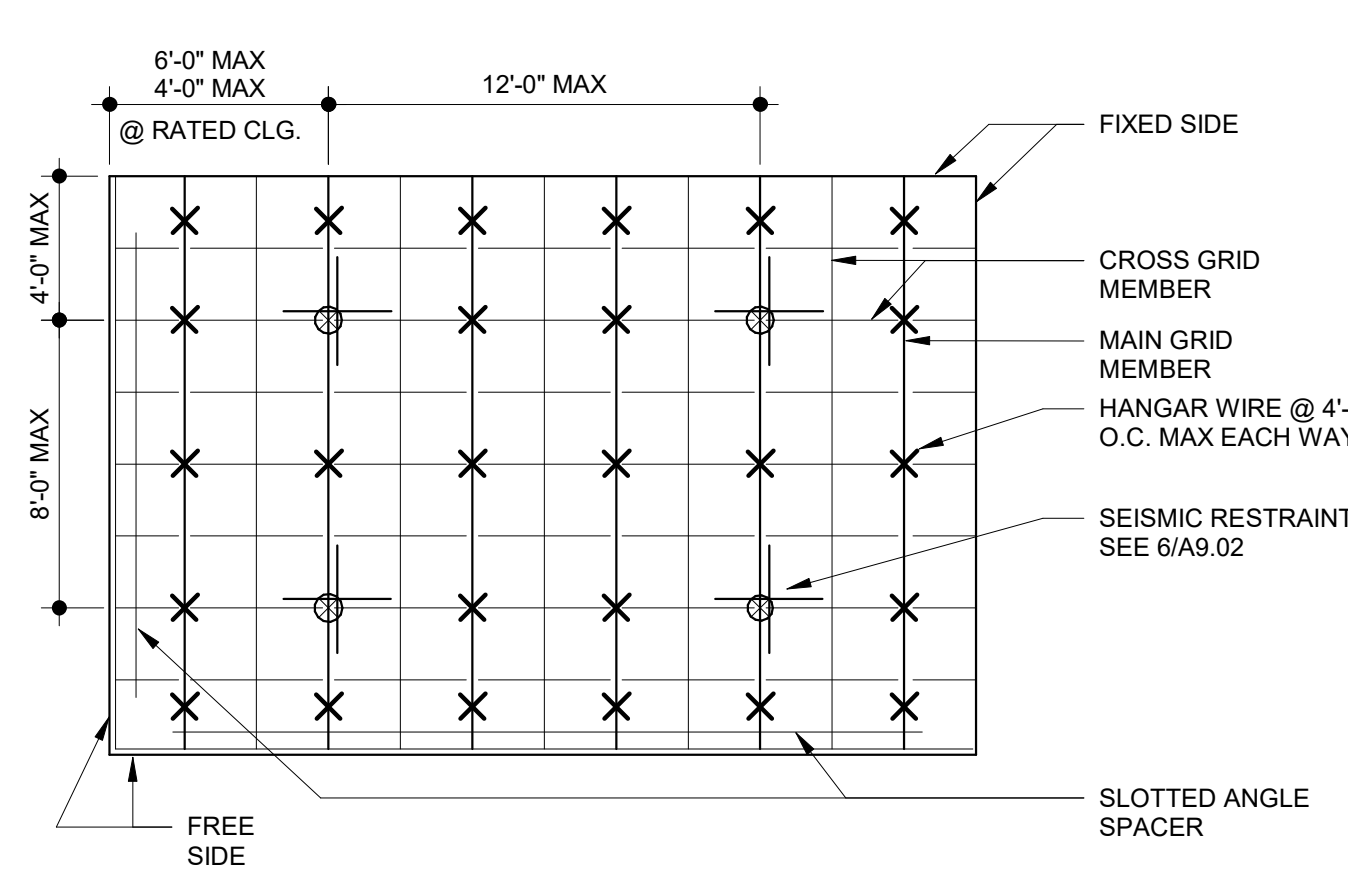
**7** SEISMIC BRACING @ FLOOR FRAMING  
SCALE: 3" = 1'-0"



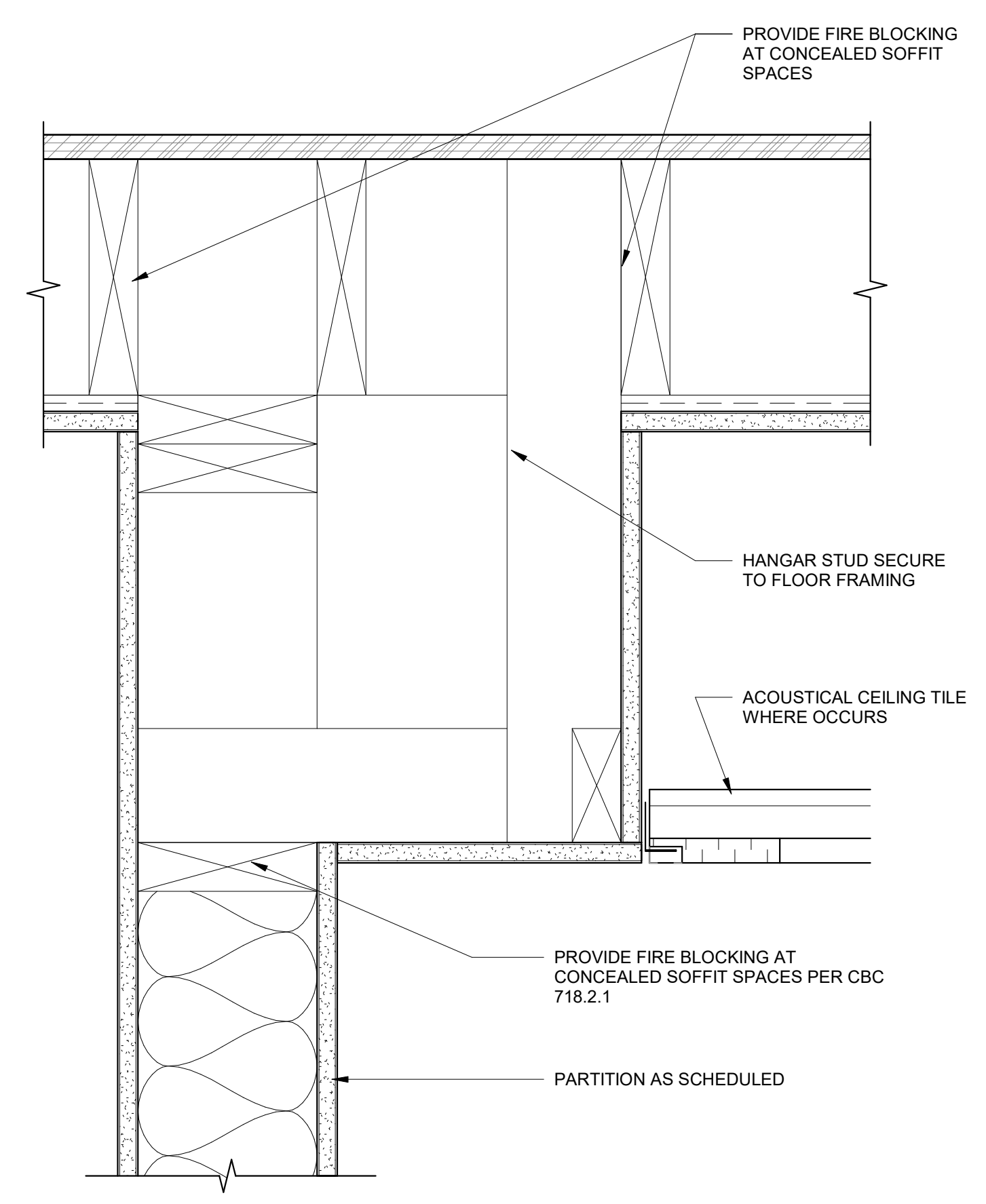
**3** TYPICAL CONDITION @ GYP. BD. CEILING  
SCALE: 3" = 1'-0"



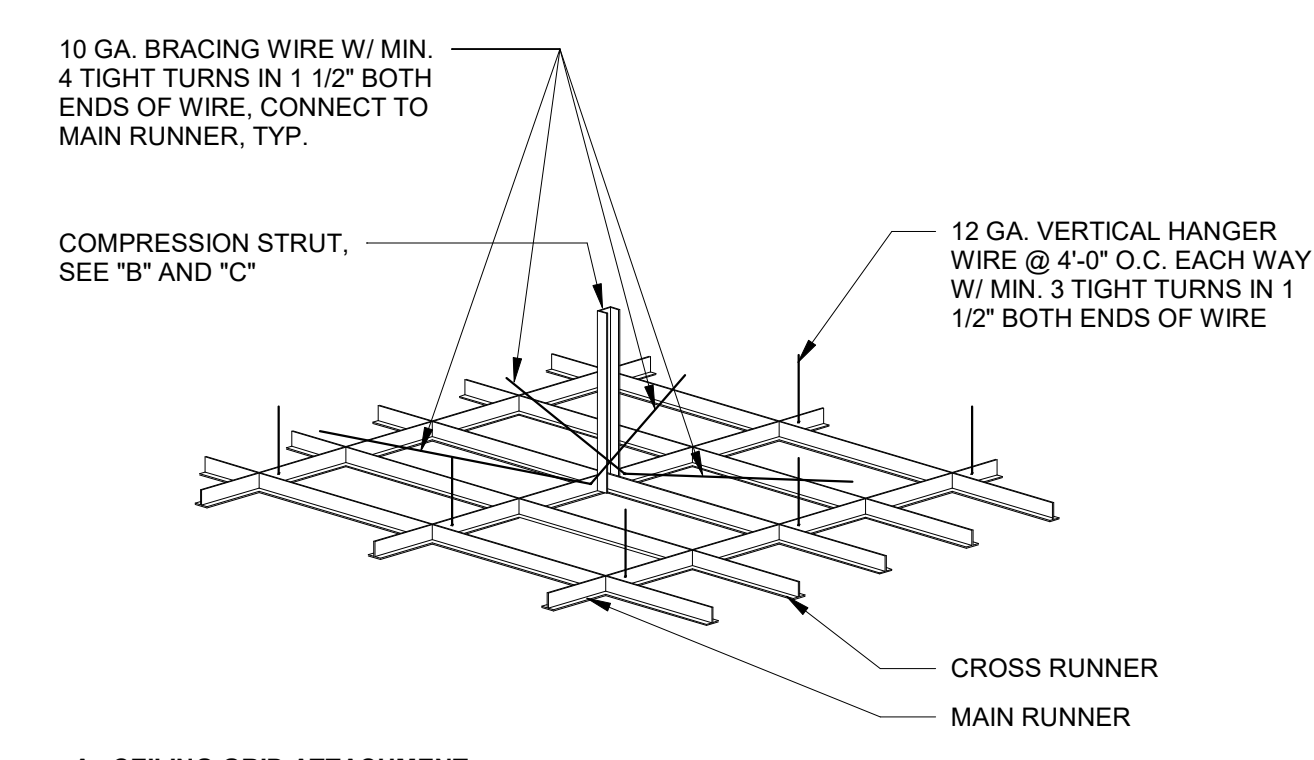
**6** TYPICAL ACOUSTIC CEILING SUSPENSION  
SCALE: 3" = 1'-0"



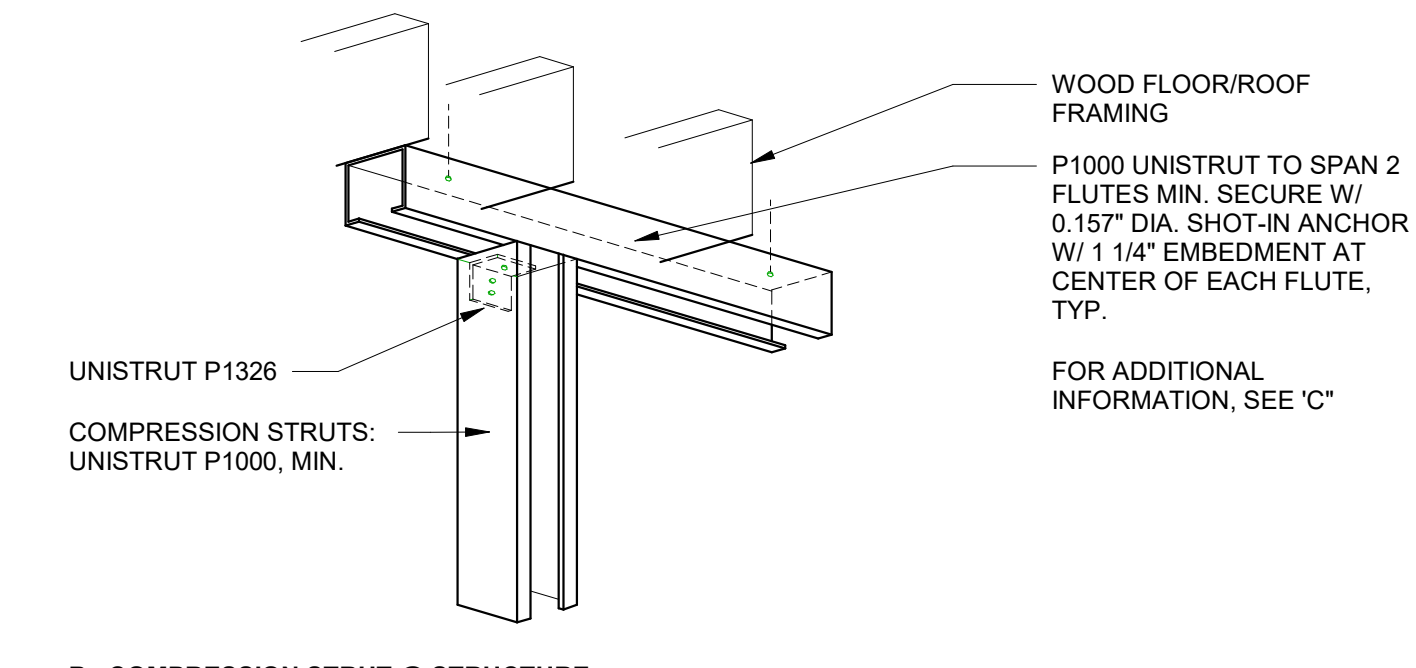
**10** TYPICAL SUSPENDED STUD @ SOFFIT  
SCALE: 3" = 1'-0"



**5** SUSPENDED ACOUSTIC CEILING BRACING SYSTEM  
SCALE: 3" = 1'-0"



**C** COMPRESSION STRUT @ ACOUSTICAL CEILING SYSTEM



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JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

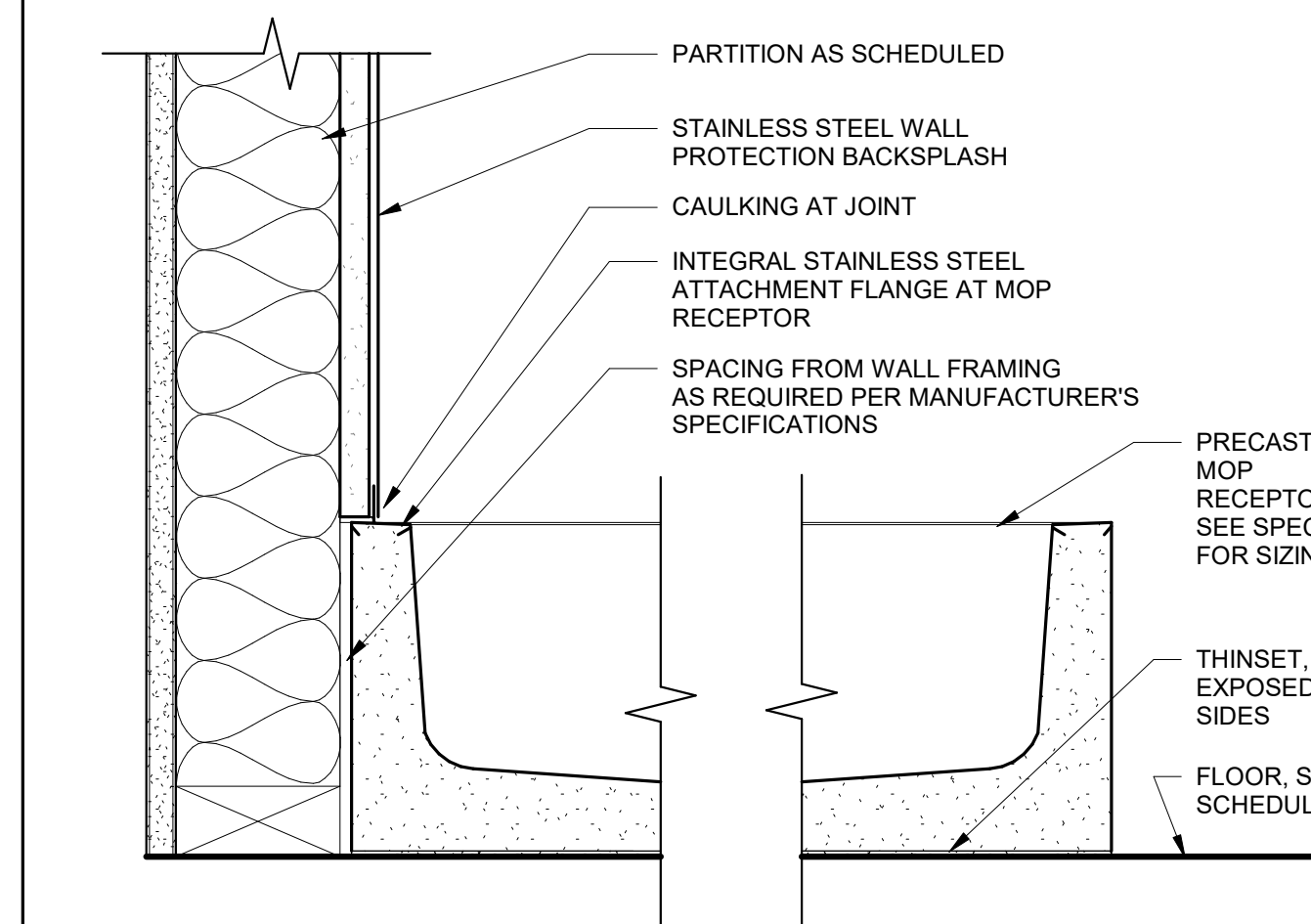
DESCRIPTION  
INTERIOR DETAILS - CEILING

STAMP

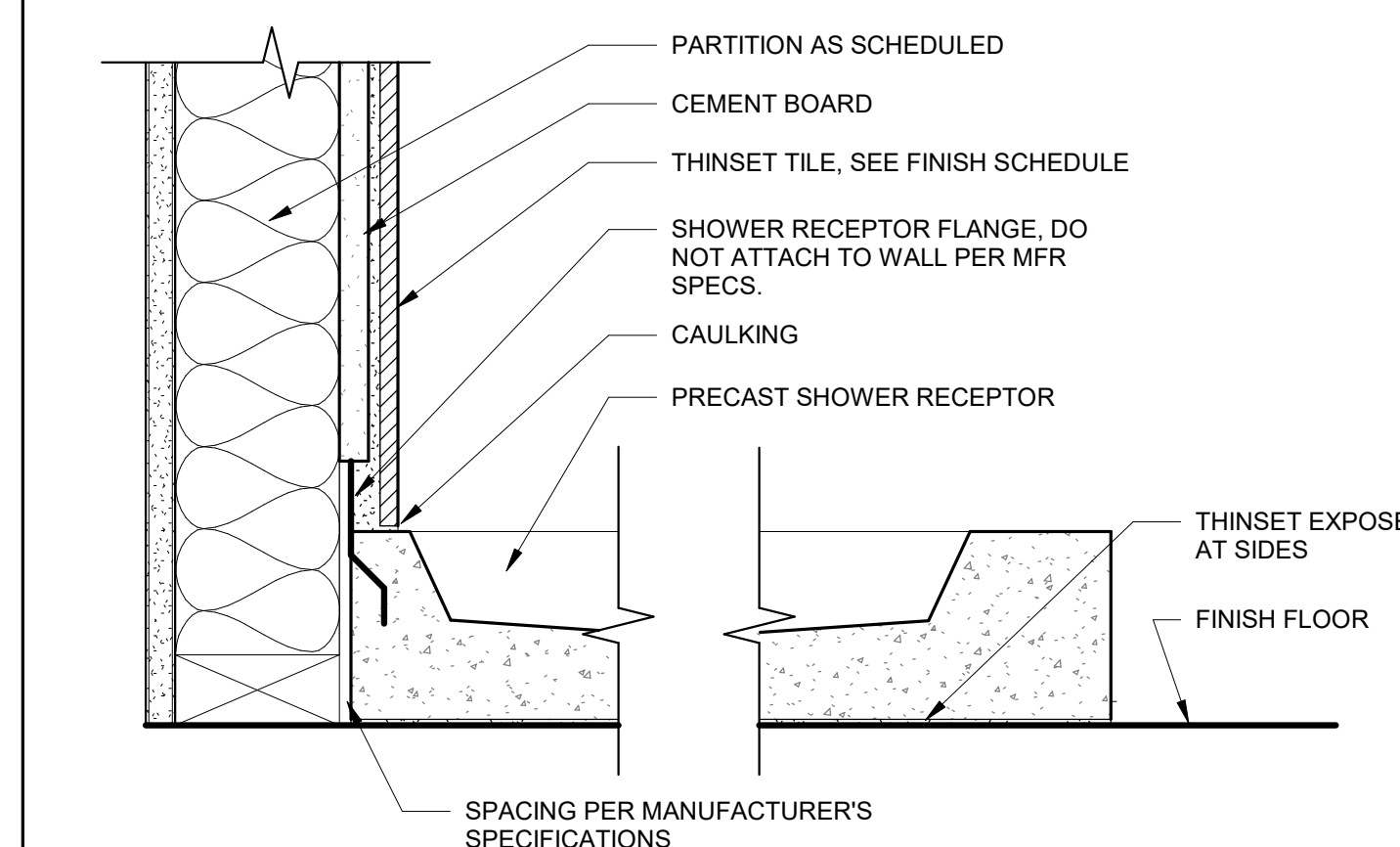


PROJECT ADDRESS  
**217 ARLINGTON AVE.  
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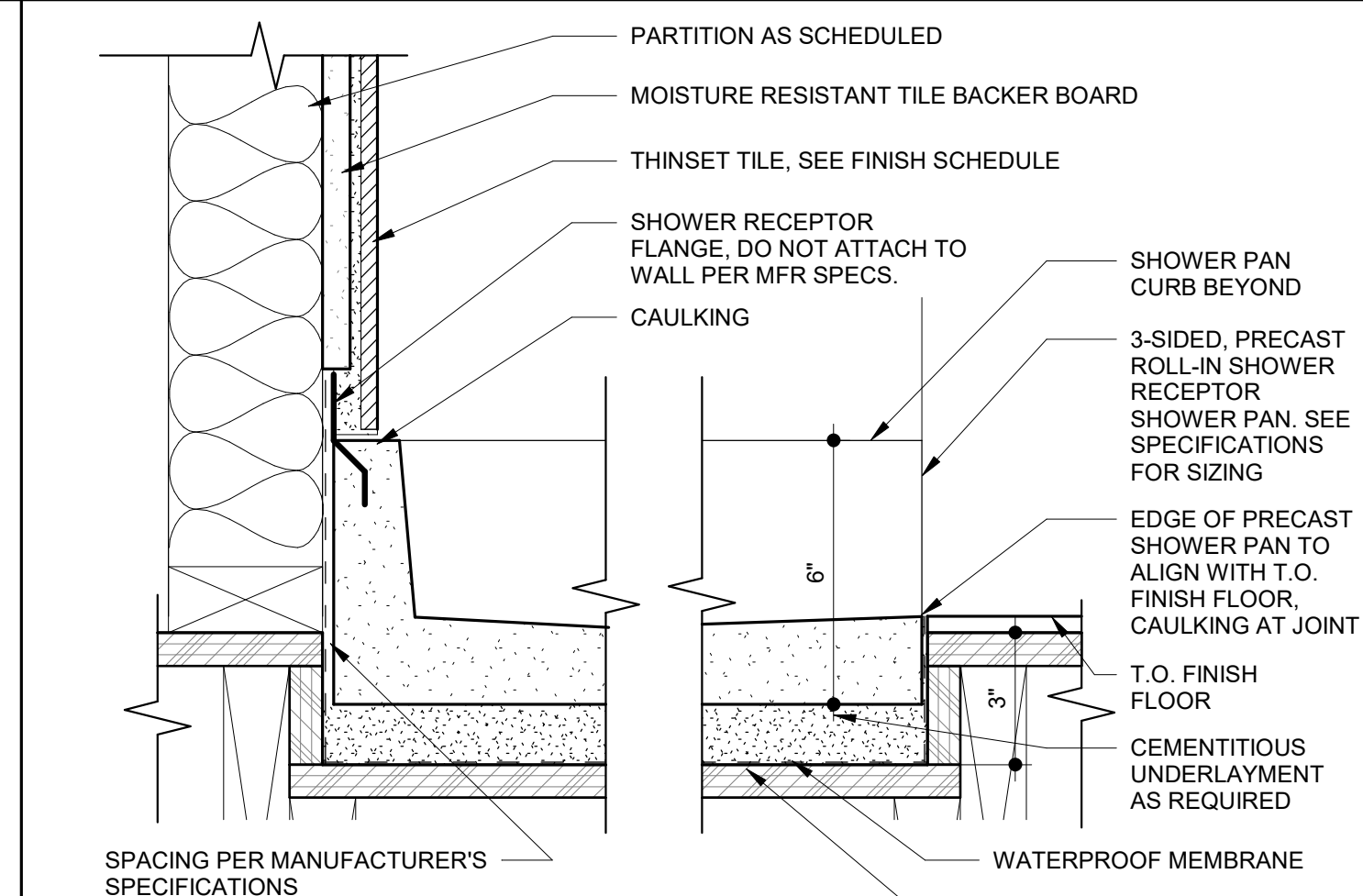
PROJECT TEAM  
 CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
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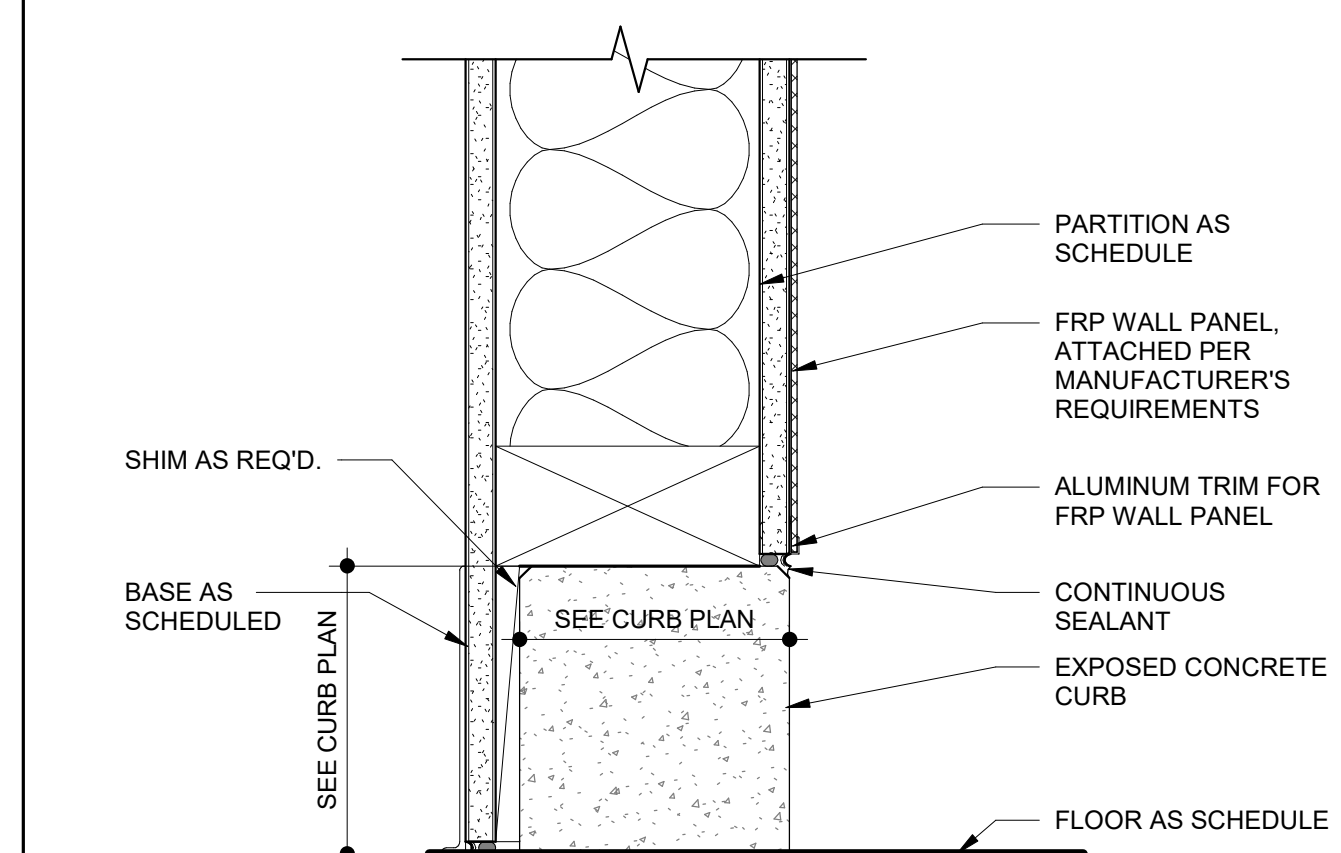
**4 MOP RECEPTOR**  
 SCALE: 3" = 1'-0"



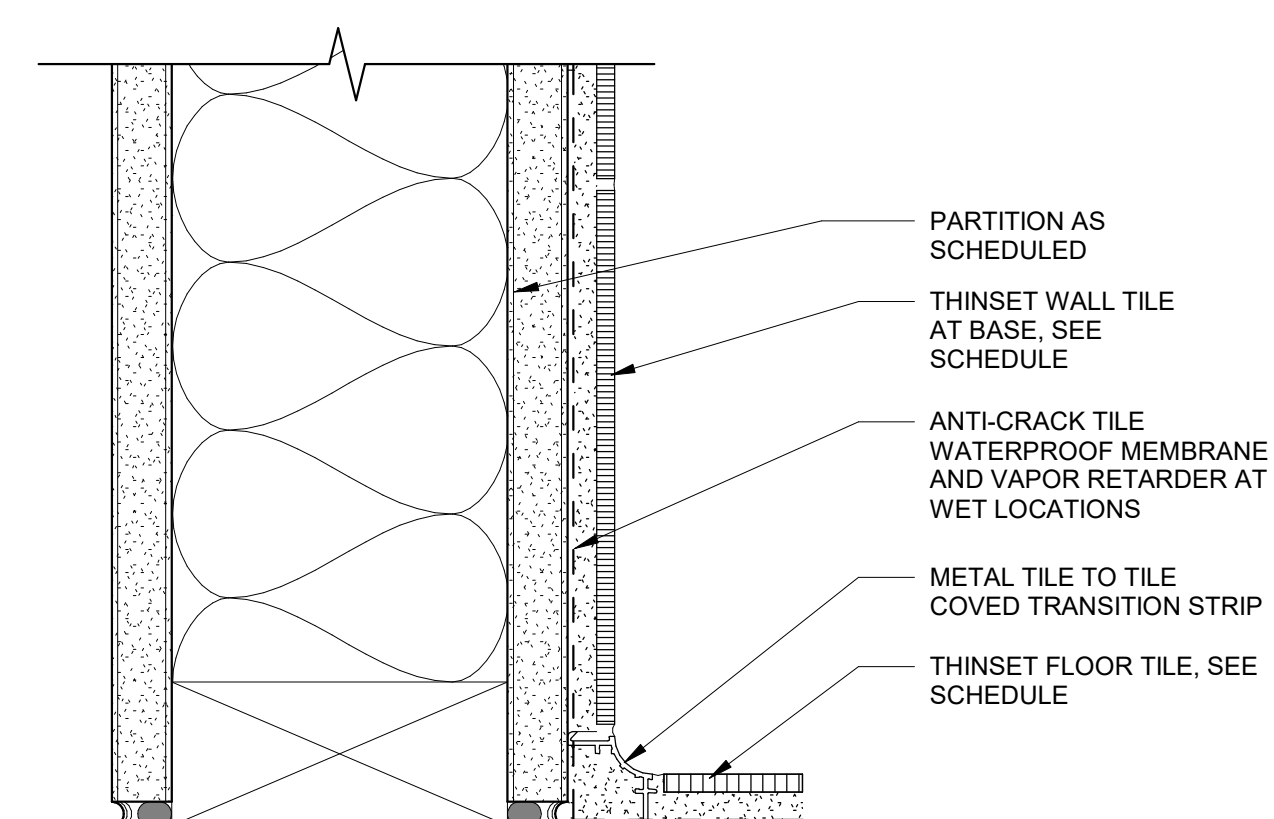
**3 SHOWER RECEPTOR**  
 SCALE: 3" = 1'-0"



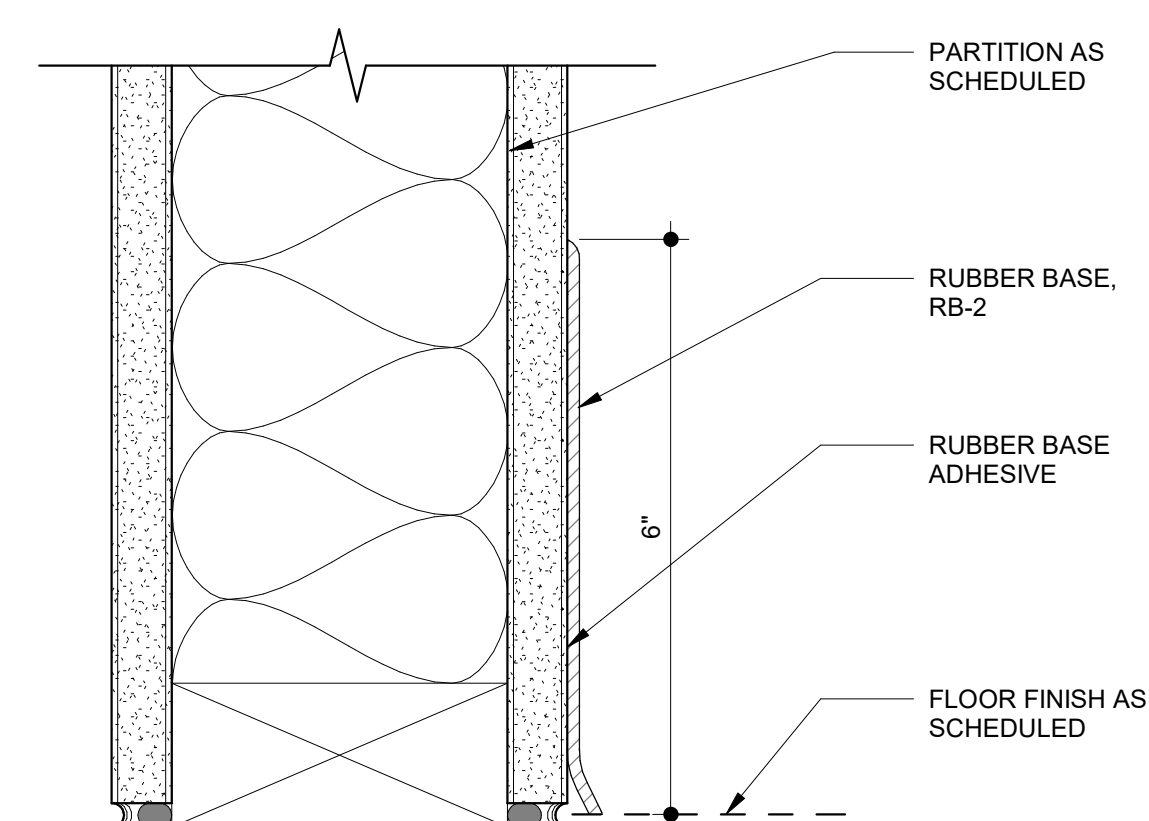
**2 SHOWER RECEPTOR - RECESSED**  
 SCALE: 3" = 1'-0"



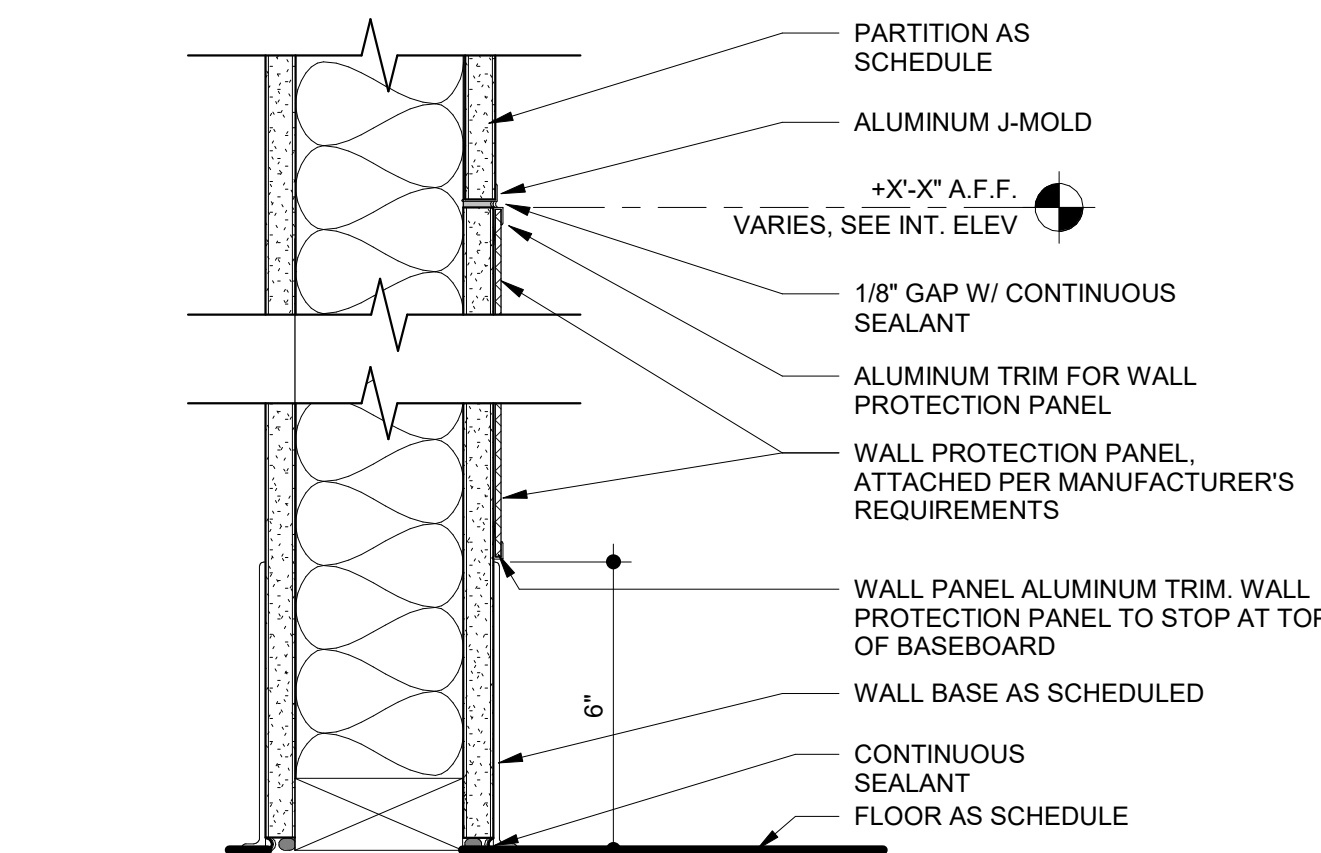
**1 EXPOSED CONCRETE CURB BASE**  
 SCALE: 3" = 1'-0"



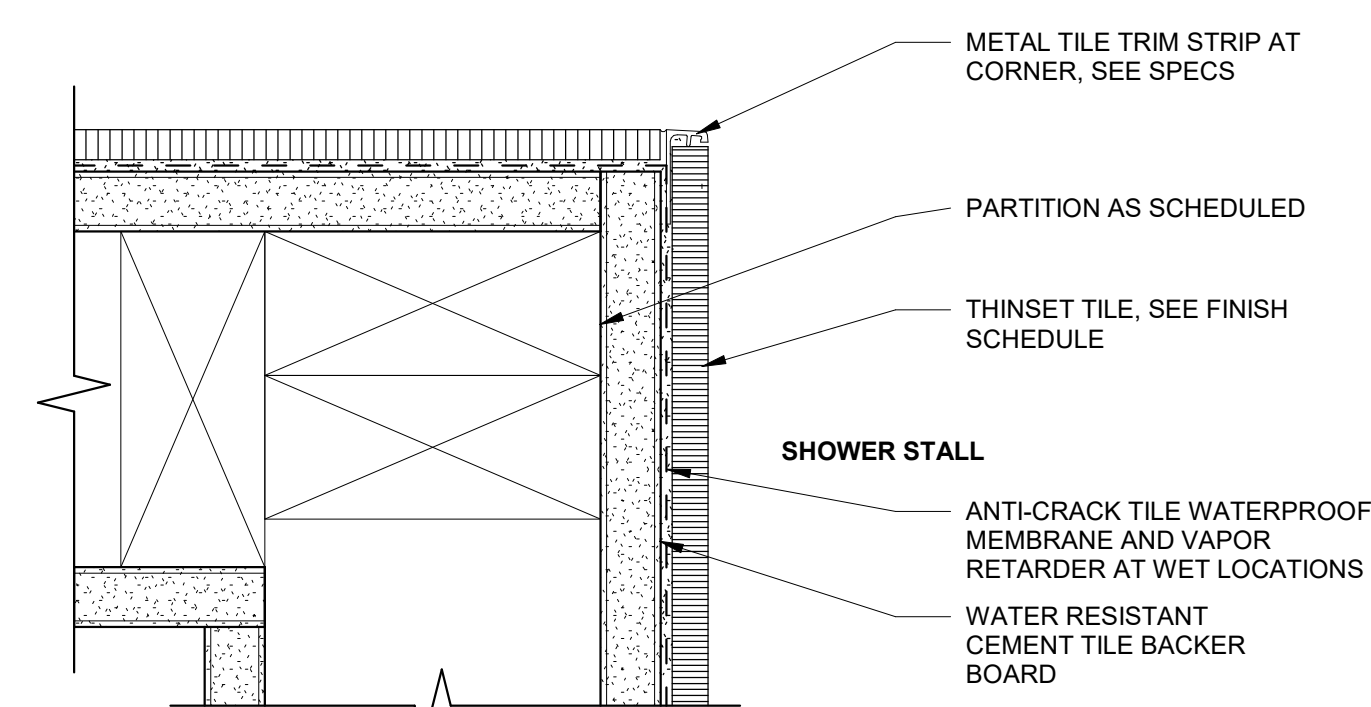
**7 WALL TILE BASE @ FINISH FLOOR**  
 SCALE: 6" = 1'-0"



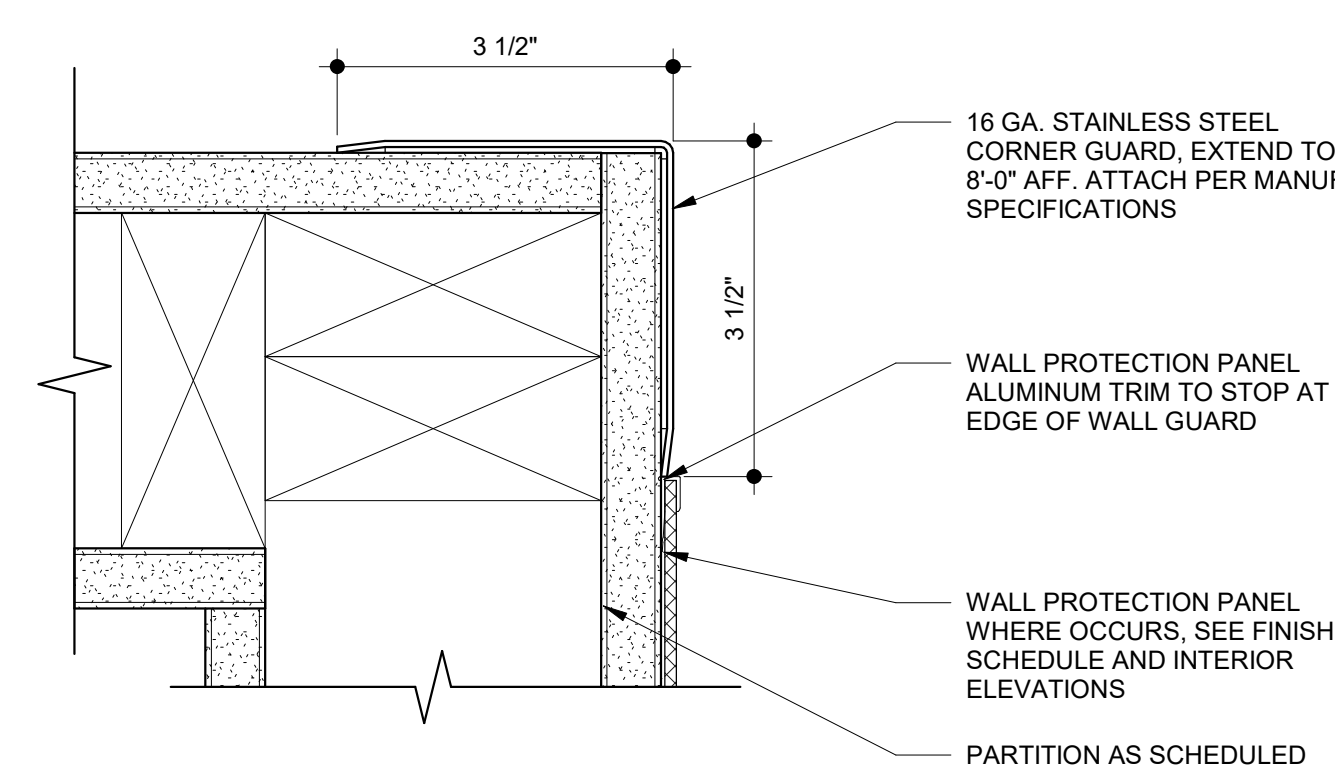
**6 TYPICAL RUBBER BASE @ FINISH FLOOR**  
 SCALE: 6" = 1'-0"



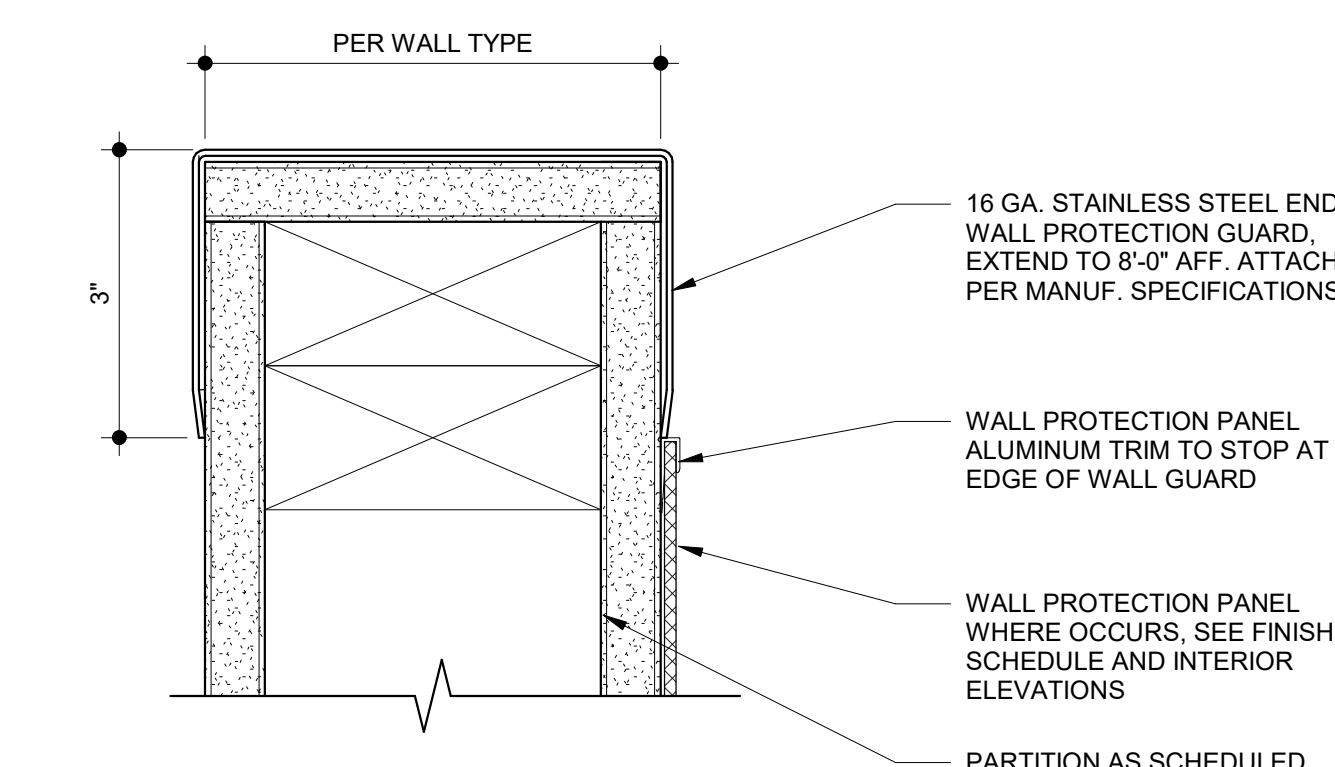
**5 WALL PROTECTION PANEL DETAIL**  
 SCALE: 3" = 1'-0"



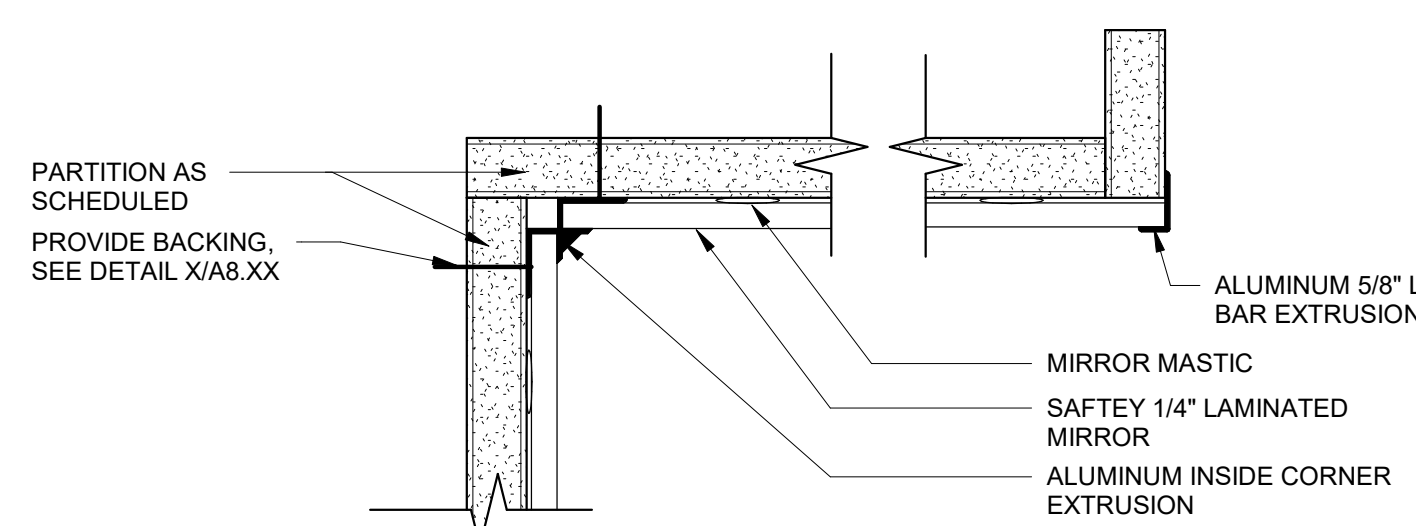
**11 OUTSIDE CORNER TILE PLAN DETAIL**  
 SCALE: 6" = 1'-0"



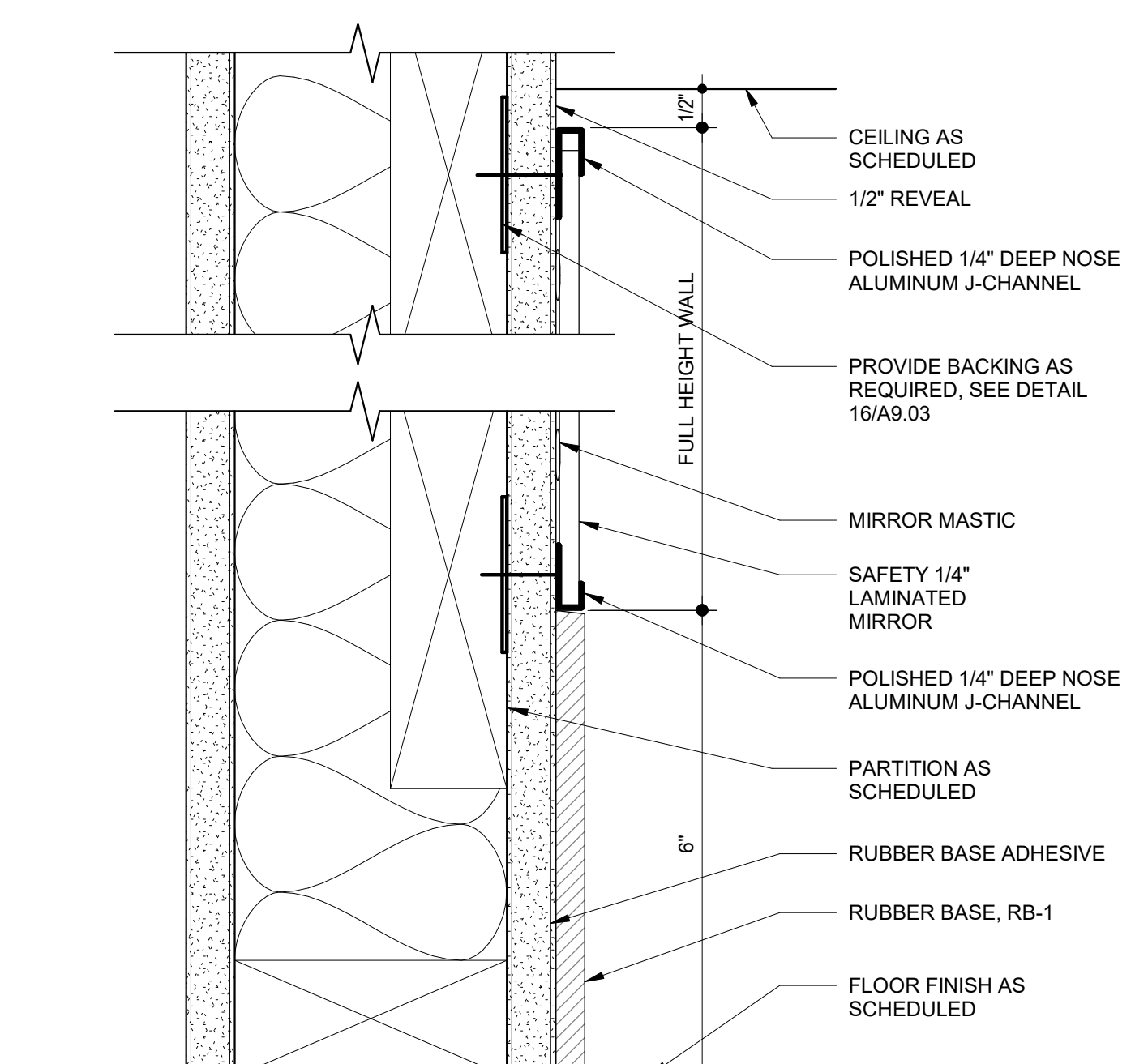
**10 CORNER GUARD PLAN DETAIL**  
 SCALE: 6" = 1'-0"



**9 END WALL GUARD PLAN DETAIL**  
 SCALE: 6" = 1'-0"



**15 MIRROR WALL PLAN DETAIL**  
 SCALE: 6" = 1'-0"

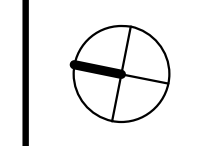


**13 MIRROR WALL SECTION DETAIL**  
 SCALE: 6" = 1'-0"

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|-----|----------------------------|------------|
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JOB NO.  
 2106 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 INTERIOR DETAILS



**A905**

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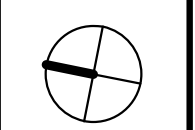
PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM  
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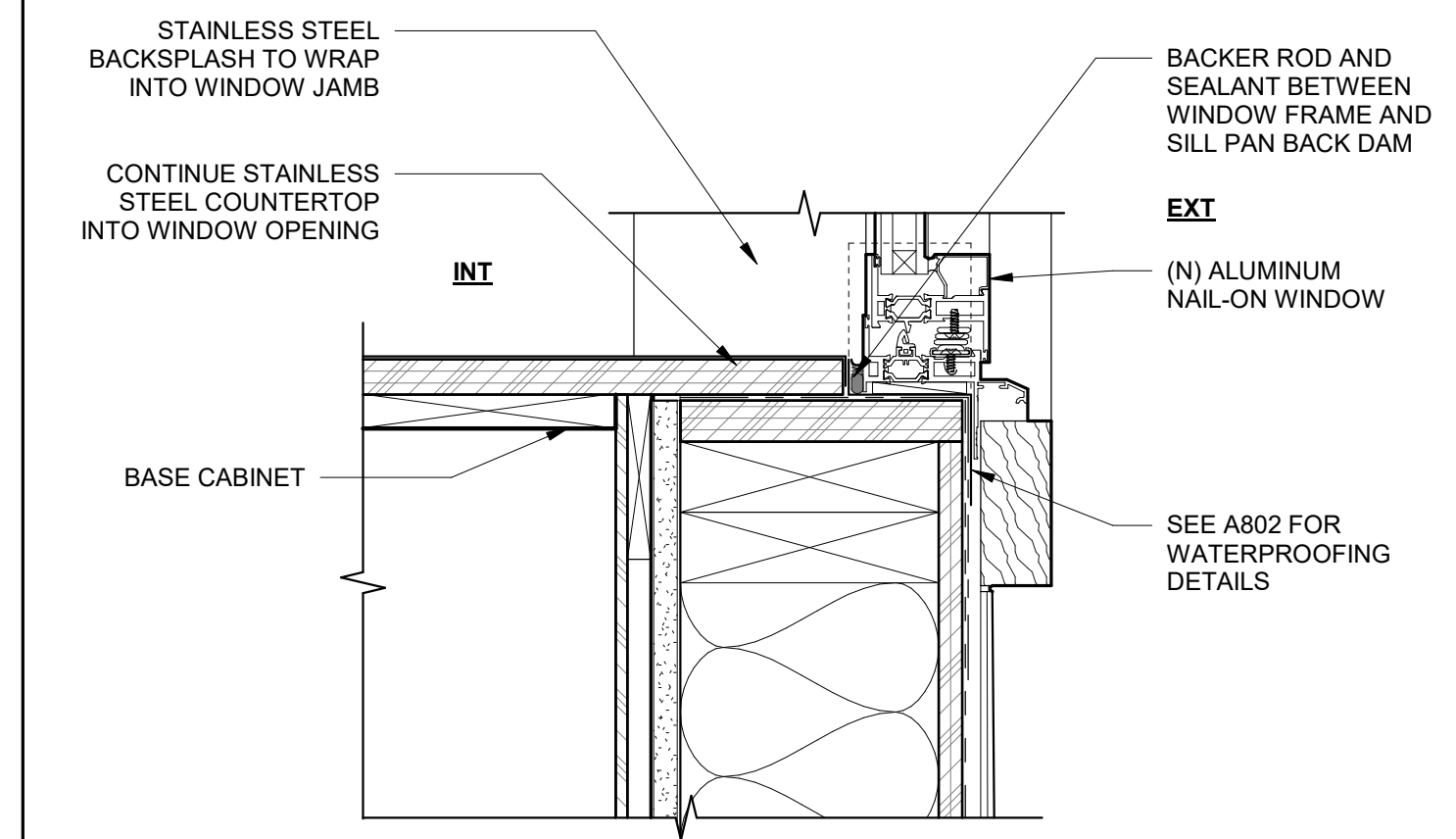
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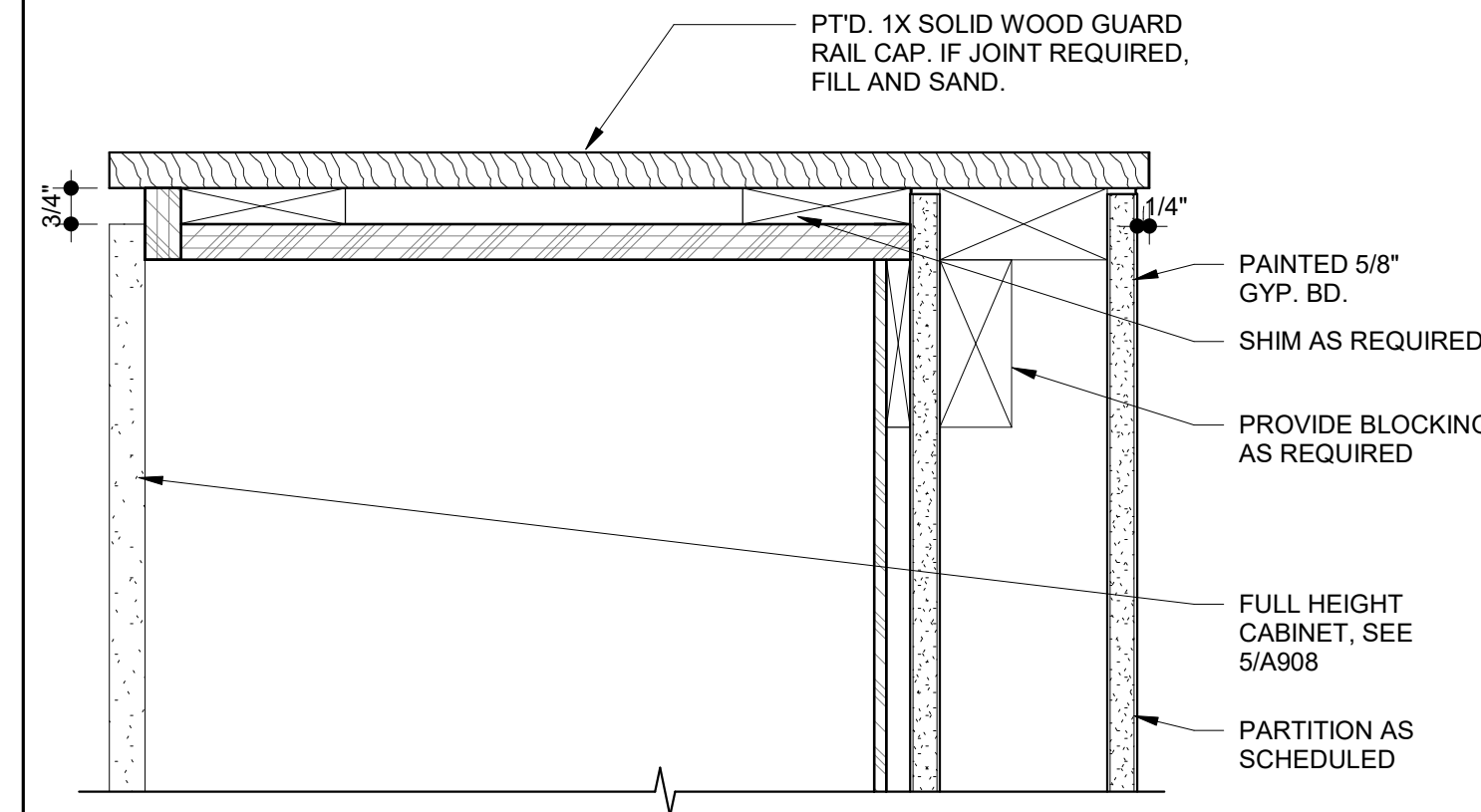
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 INTERIOR DETAILS



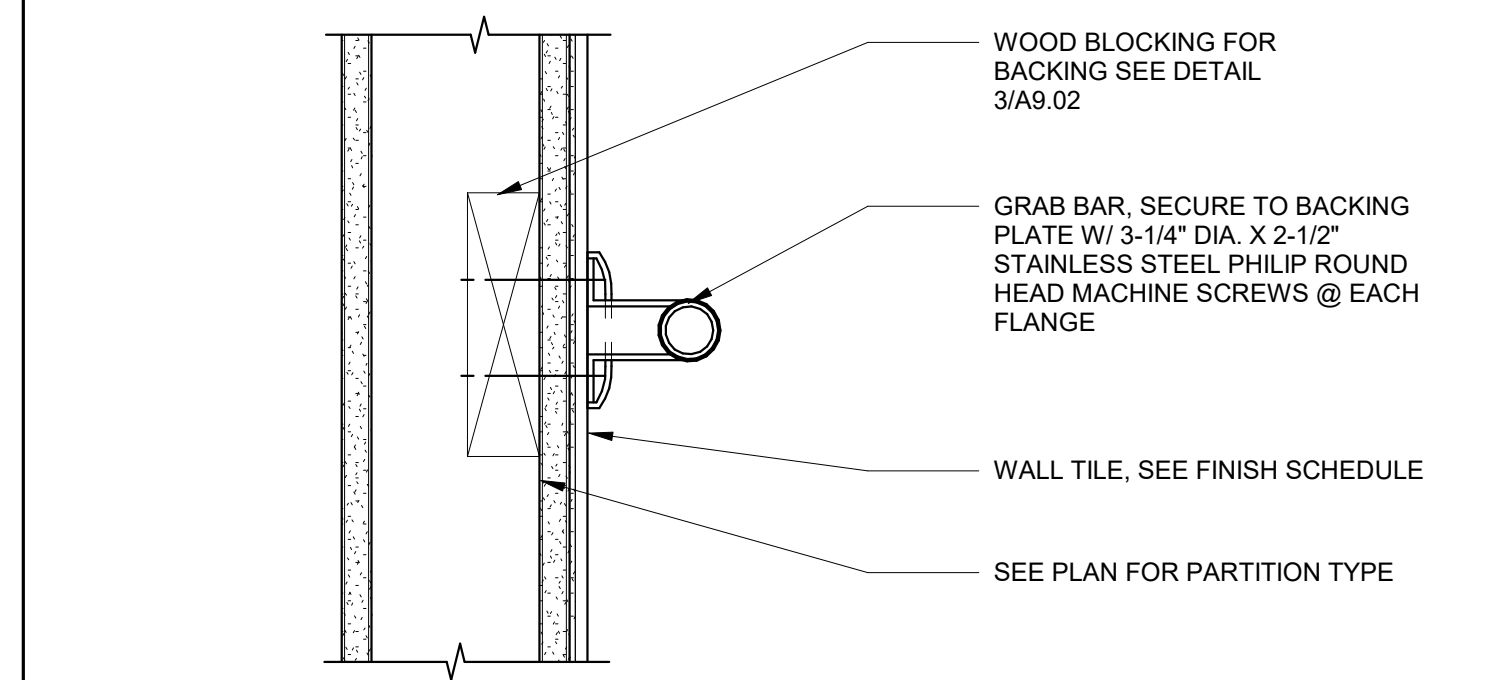
## A906



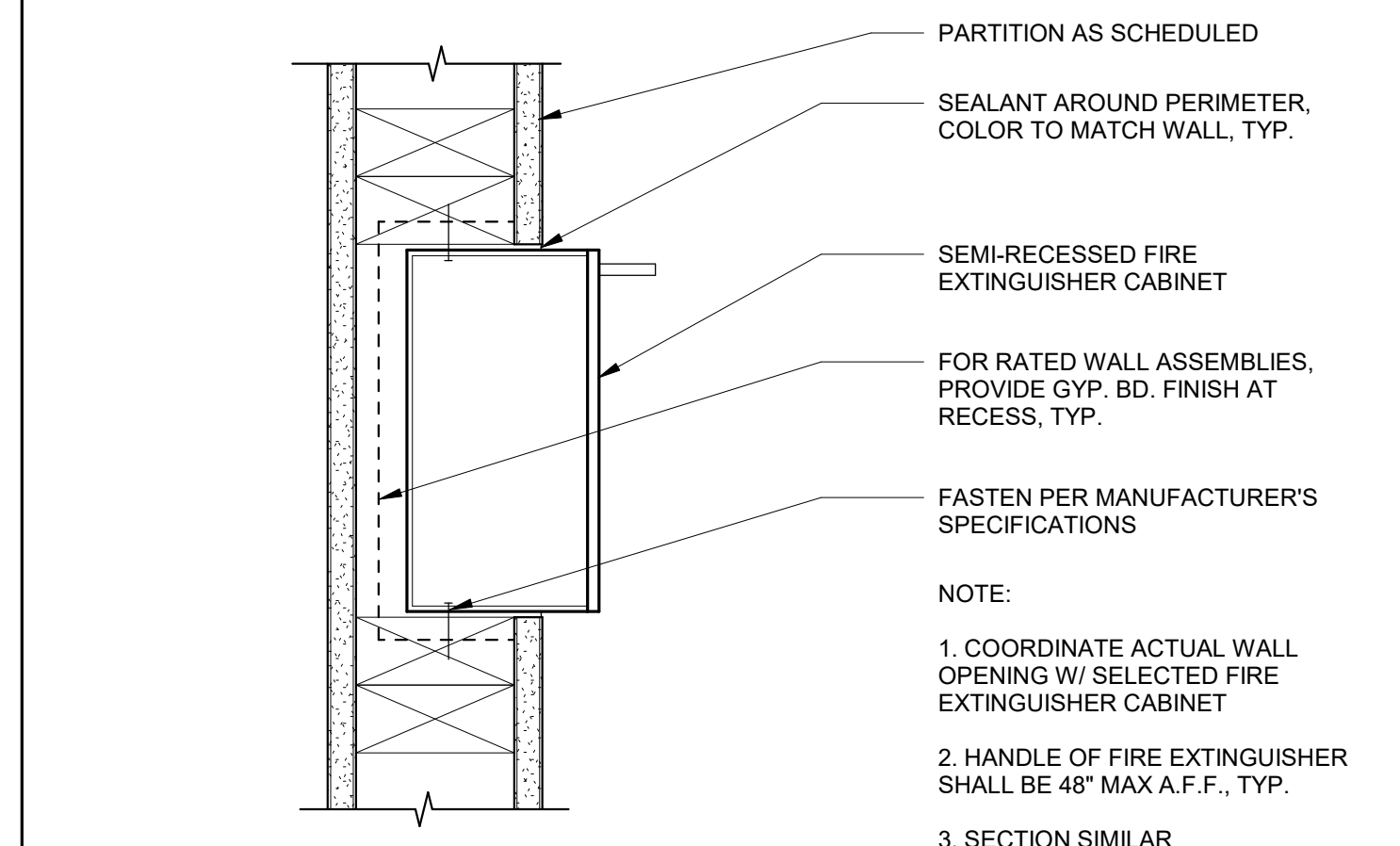
**4** KITCHEN COUNTER @ EXT WINDOW SILL DETAIL  
 SCALE: 3" = 1'-0"



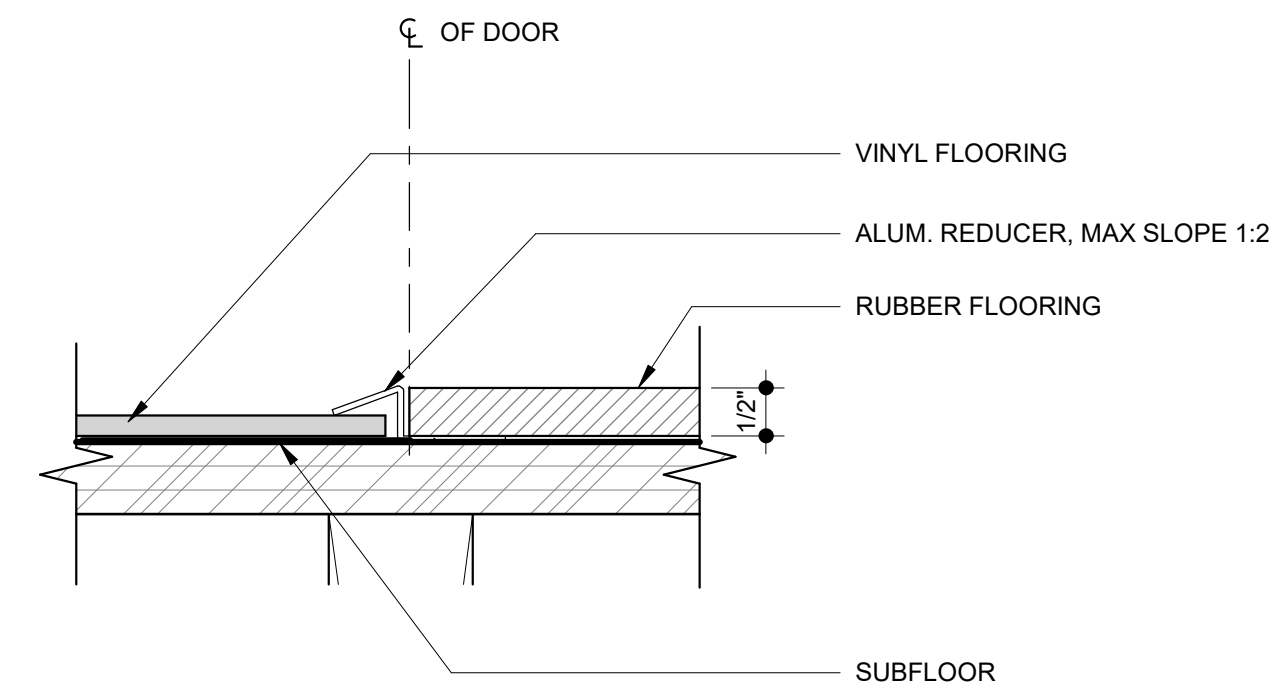
**3** WALL CAP AT PANTRY CABINET DETAIL  
 SCALE: 3" = 1'-0"



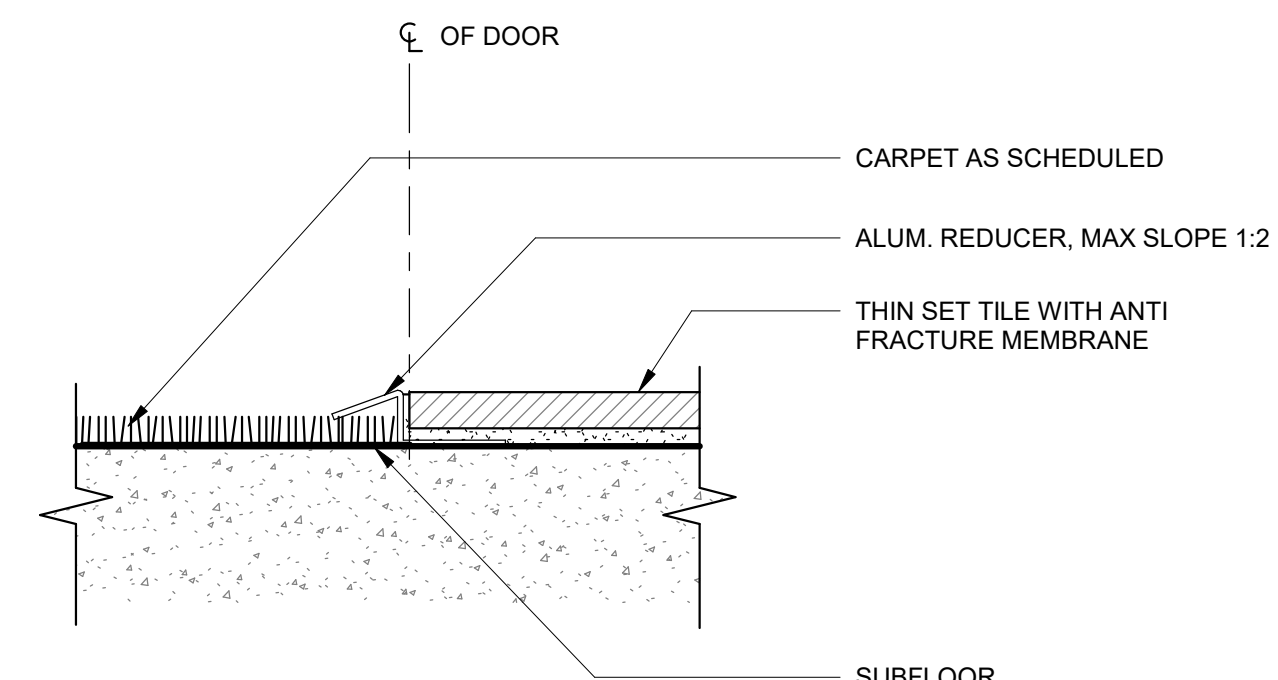
**2** GRAB BAR DETAIL  
 SCALE: 3" = 1'-0"



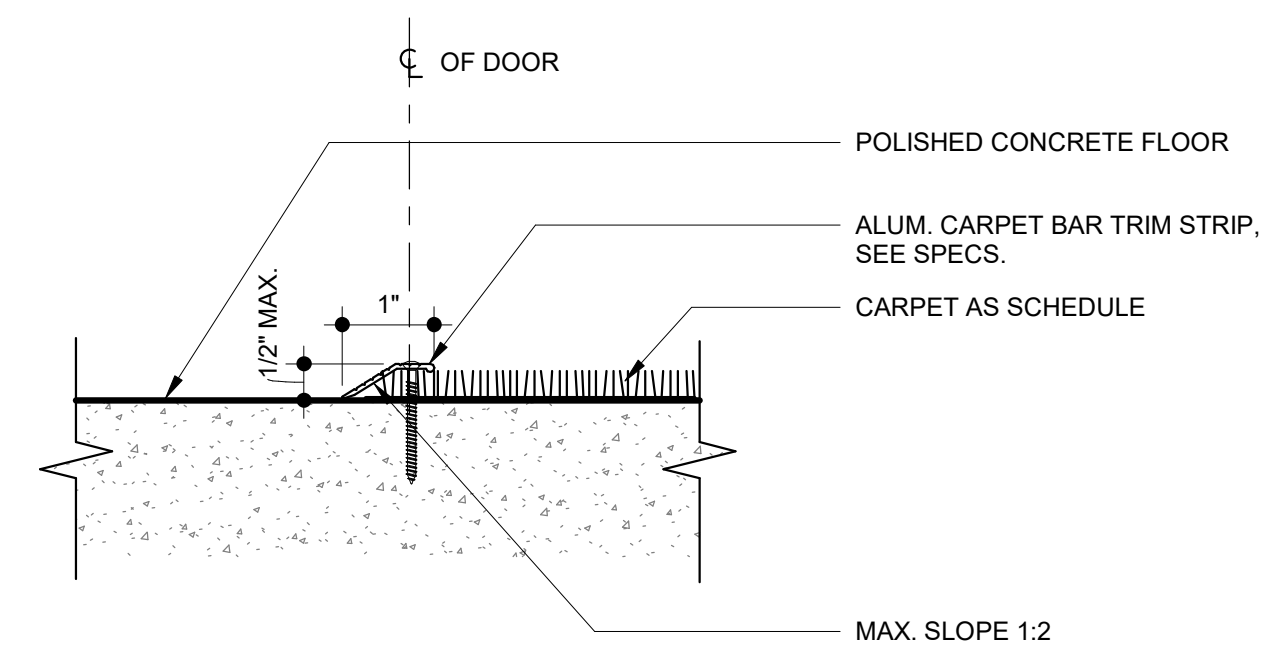
**1** FIRE EXTINGUISHER CABINET  
 SCALE: 3" = 1'-0"



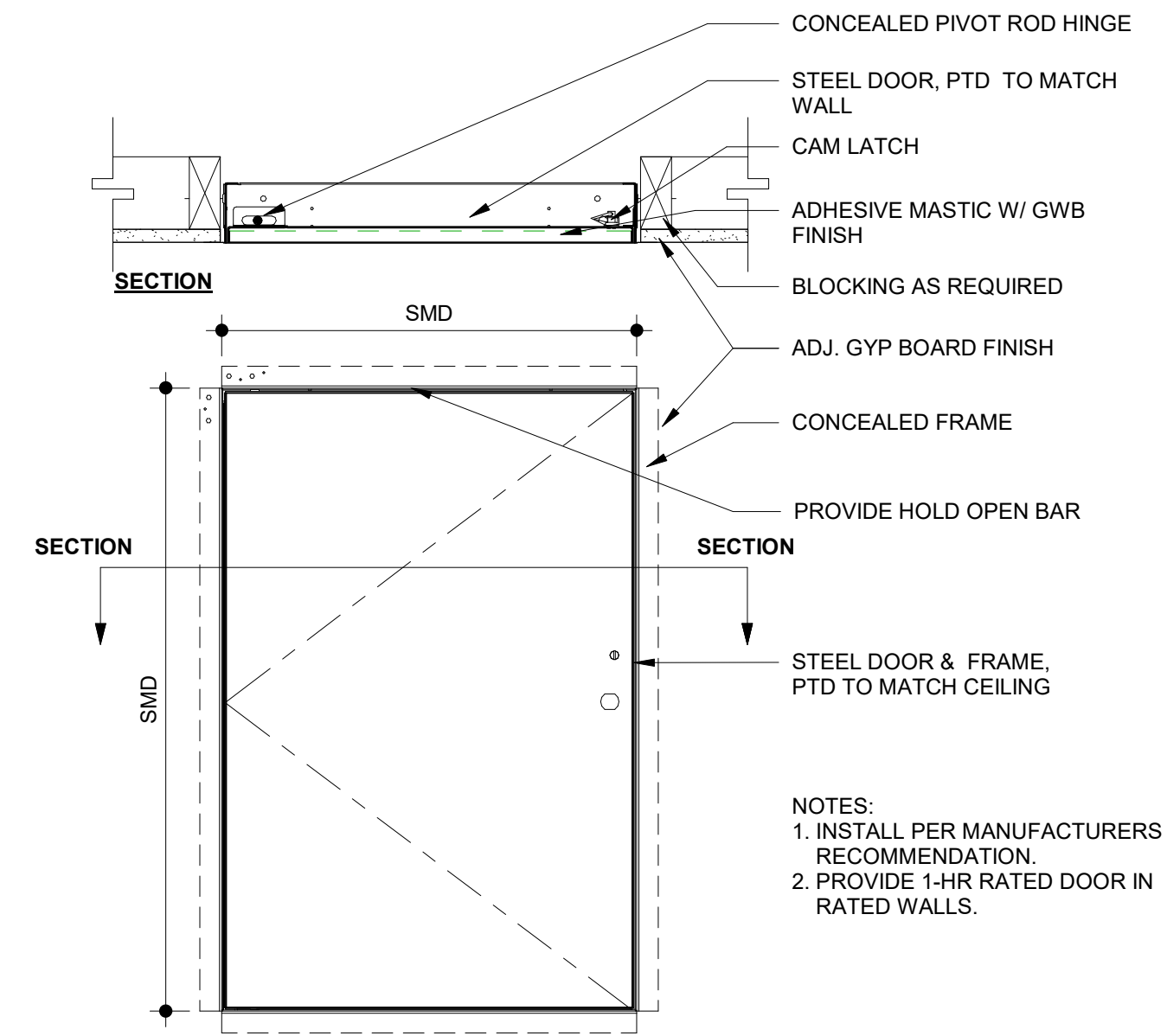
**7** VINYL TO RUBBER EXERCISE MAT TRANSITION  
 SCALE: 6" = 1'-0"



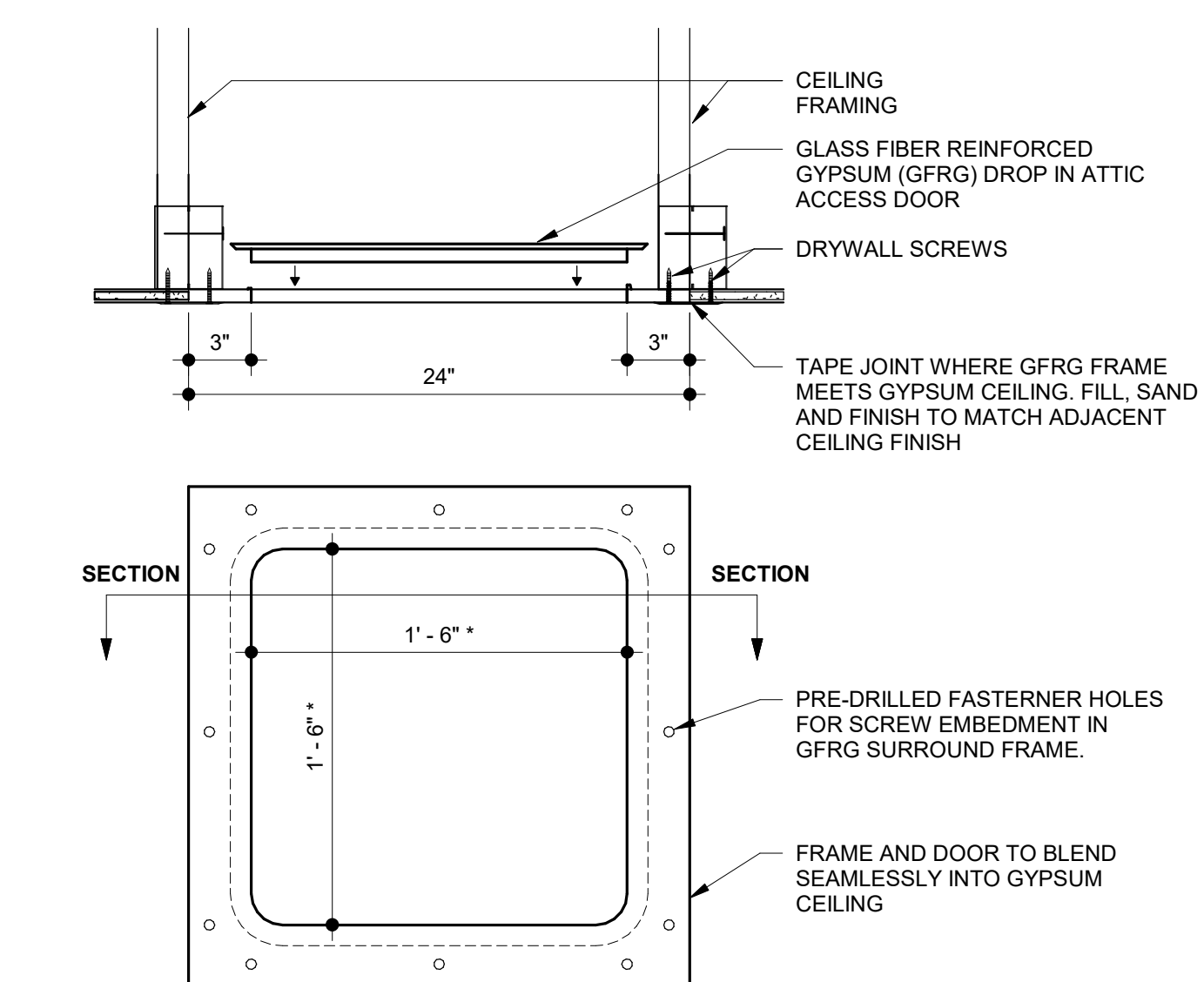
**6** CARPET TO TILE TRANSITION  
 SCALE: 6" = 1'-0"



**5** CARPET TO CONCRETE TRANSITION  
 SCALE: 6" = 1'-0"



**10** WALL ACCESS PANEL  
 SCALE: 1 1/2" = 1'-0"



**9** CEILING ACCESS PANEL  
 SCALE: 1 1/2" = 1'-0"

STAMP



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MEP: LIST ENGINEERING CO.  
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T: (415) 255-9140

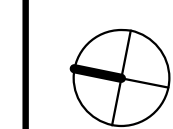
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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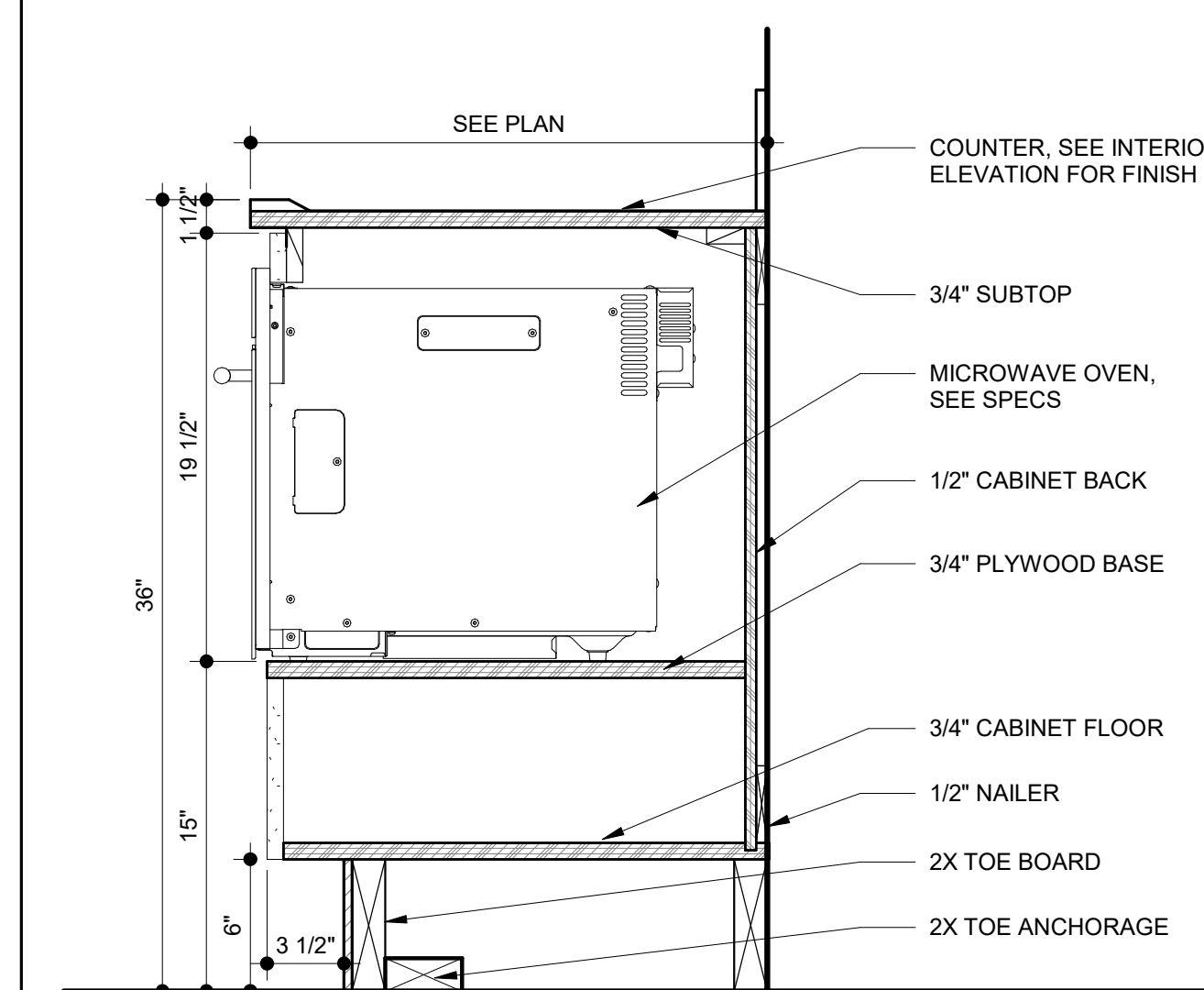
| NO. | DESCRIPTION                | DATE       |
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| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
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JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

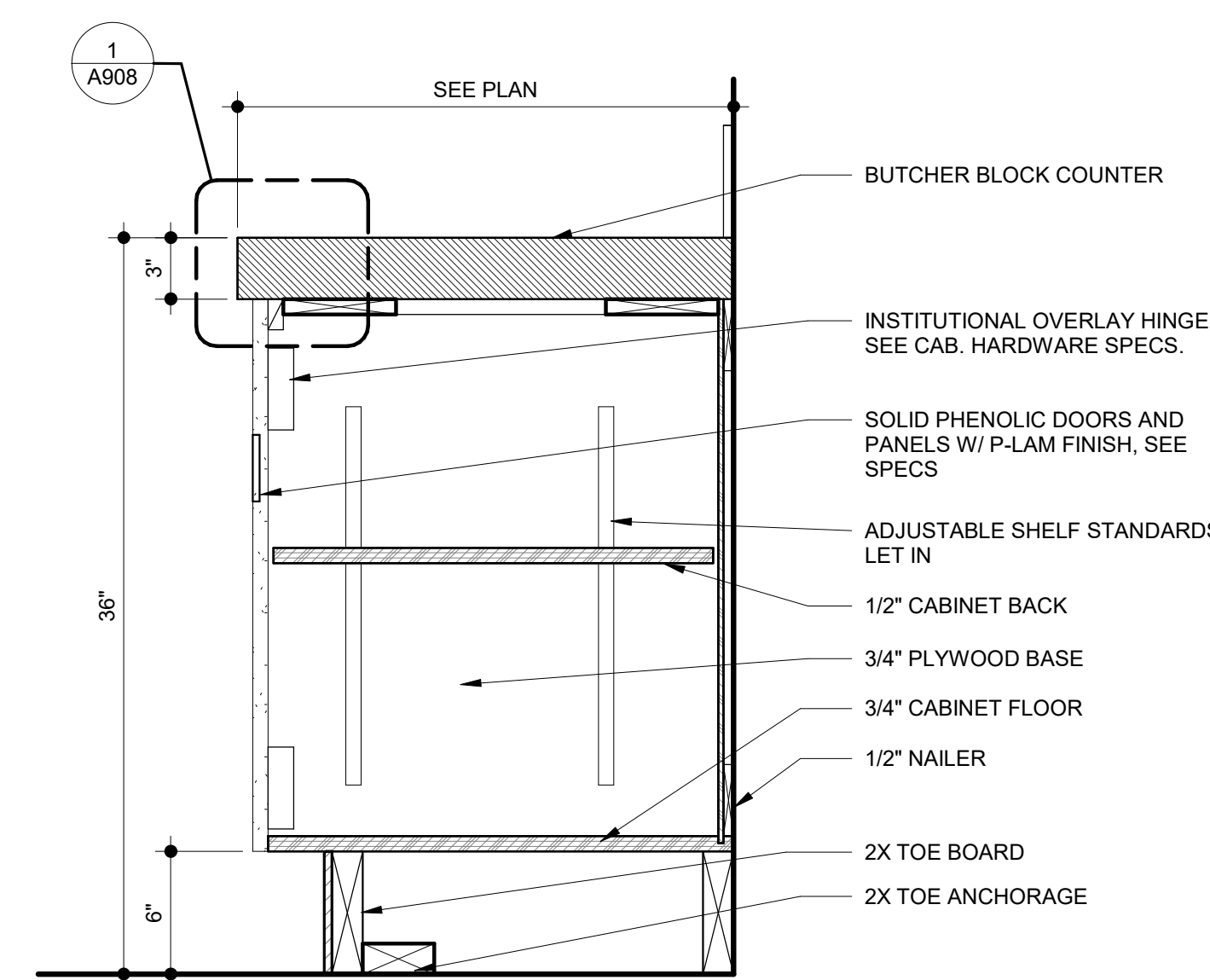
DESCRIPTION INTERIOR DETAILS



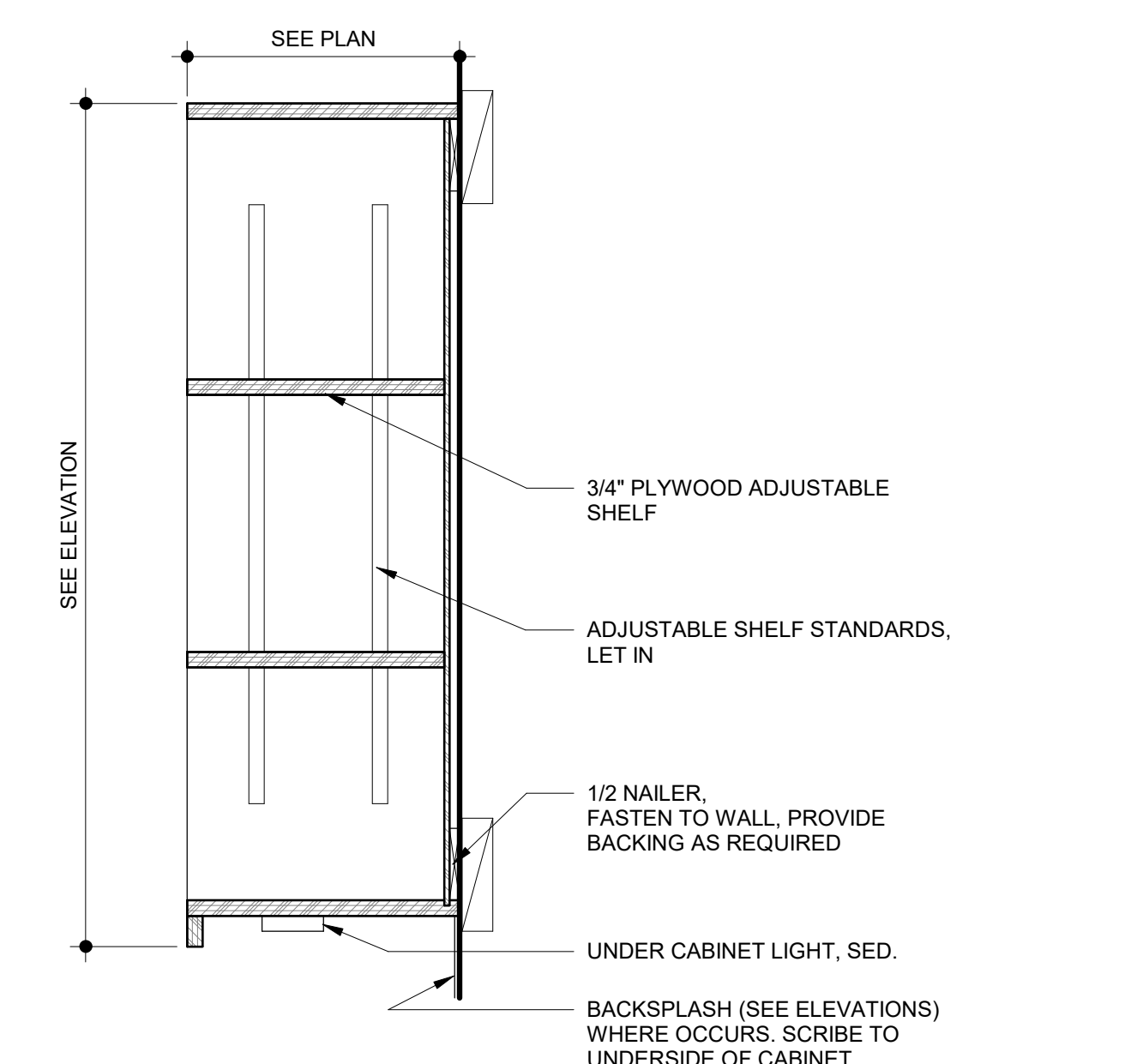
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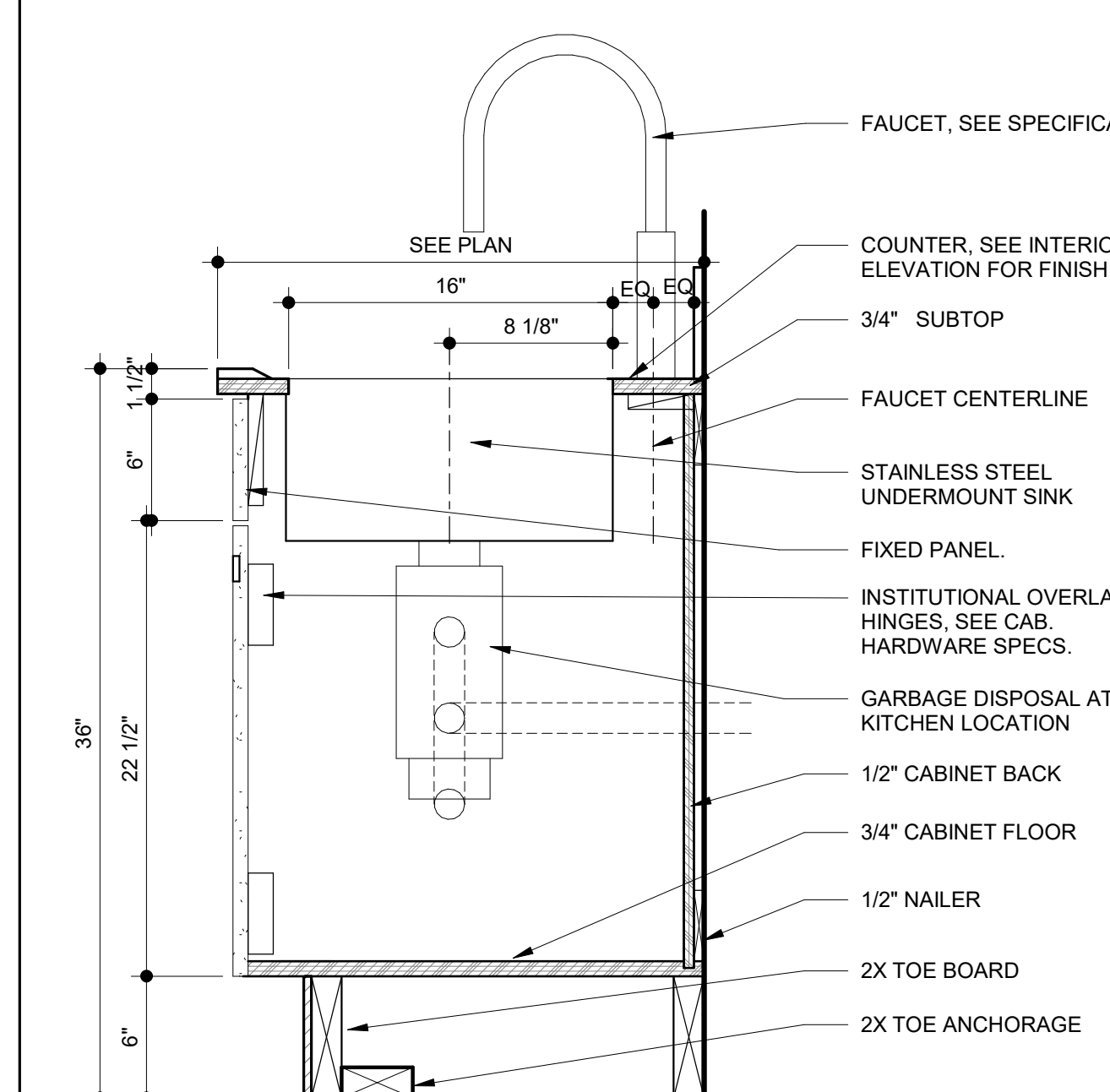
**3** MICROWAVE BASE CABINET  
SCALE: 1 1/2" = 1'-0"



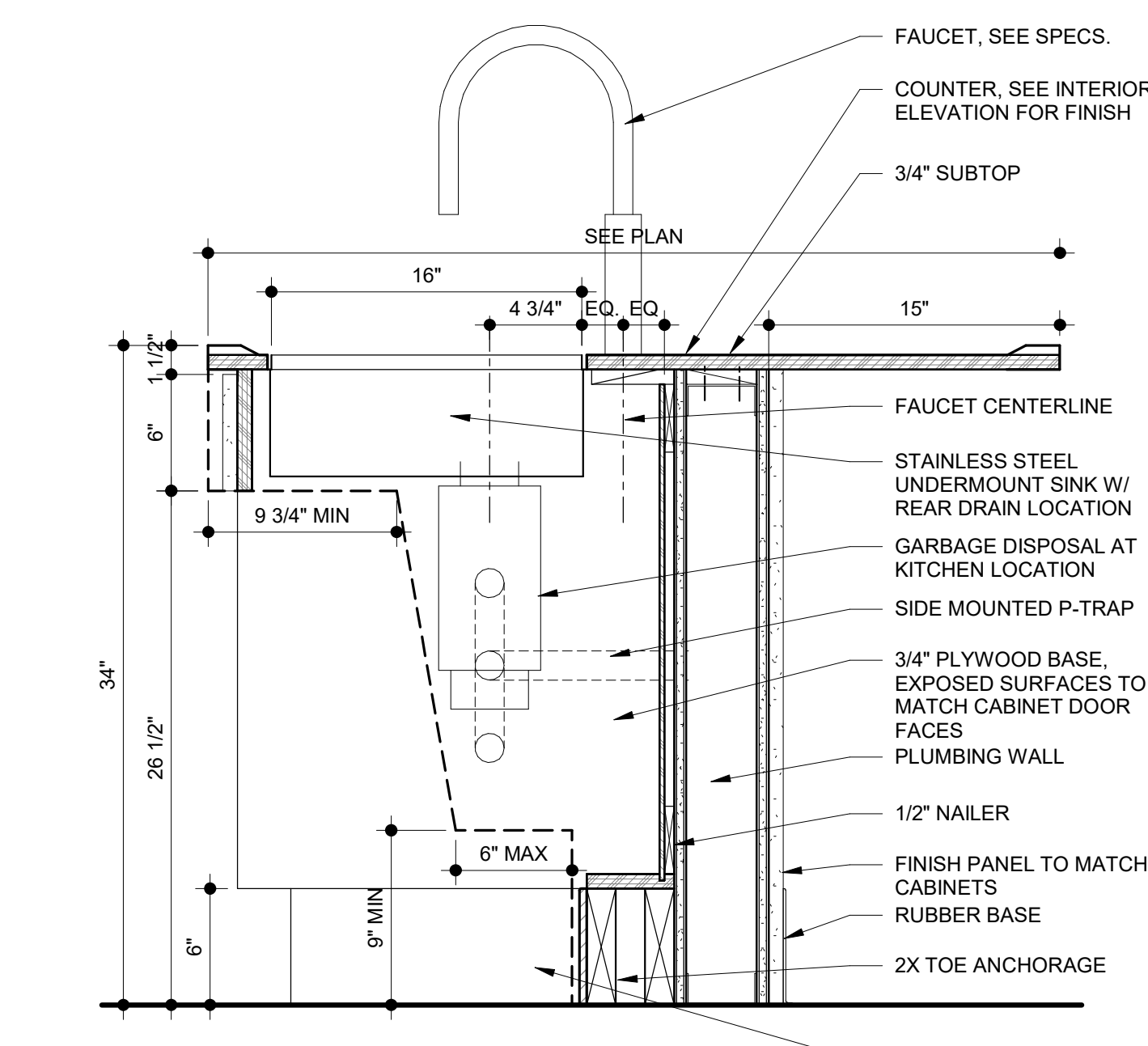
**6** BASE CABINET WORKSHOP  
SCALE: 1 1/2" = 1'-0"



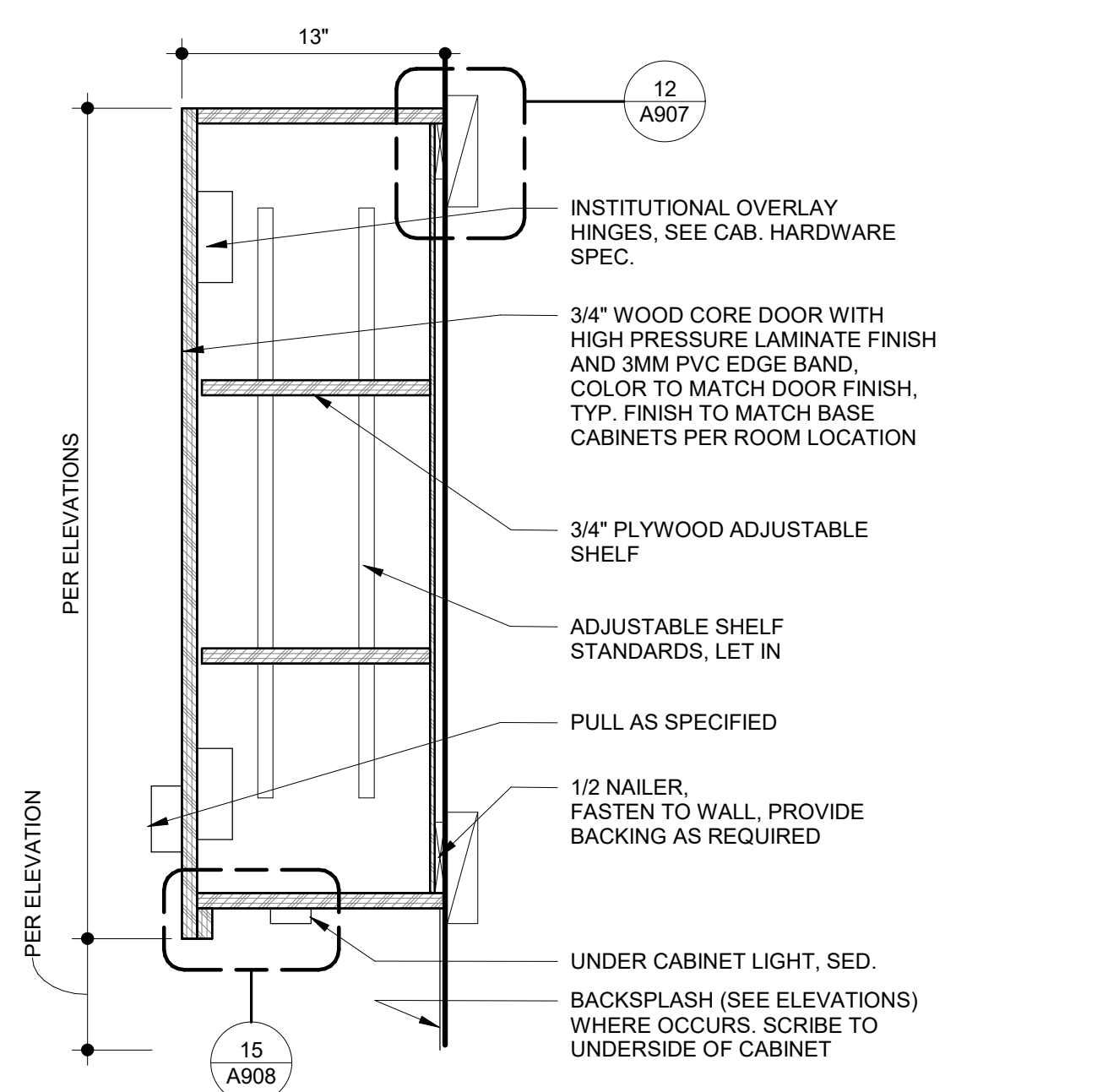
**9** UPPER CABINET - OPEN SHELVING  
SCALE: 1 1/2" = 1'-0"



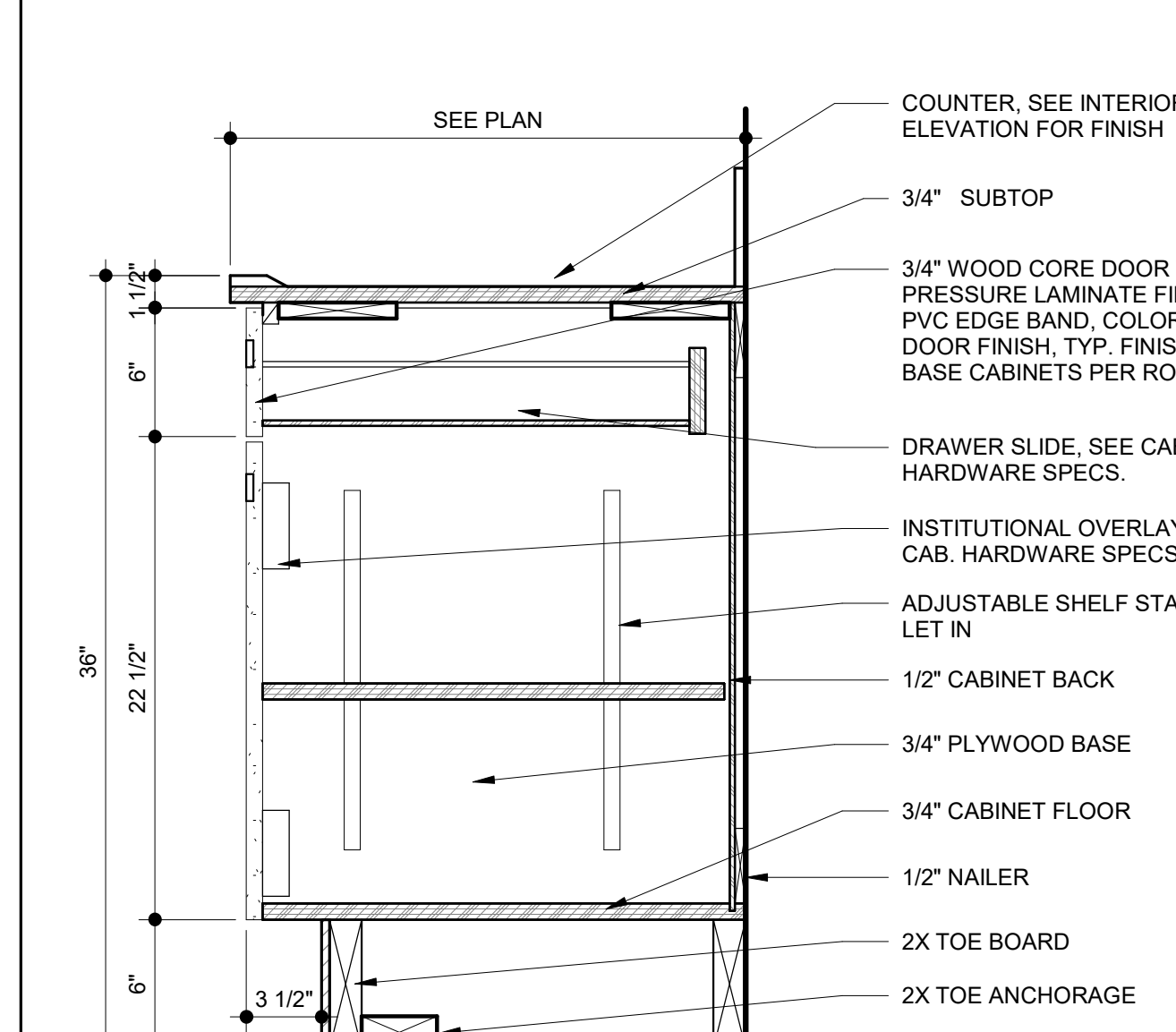
**2** SINK BASE CABINET  
SCALE: 1 1/2" = 1'-0"



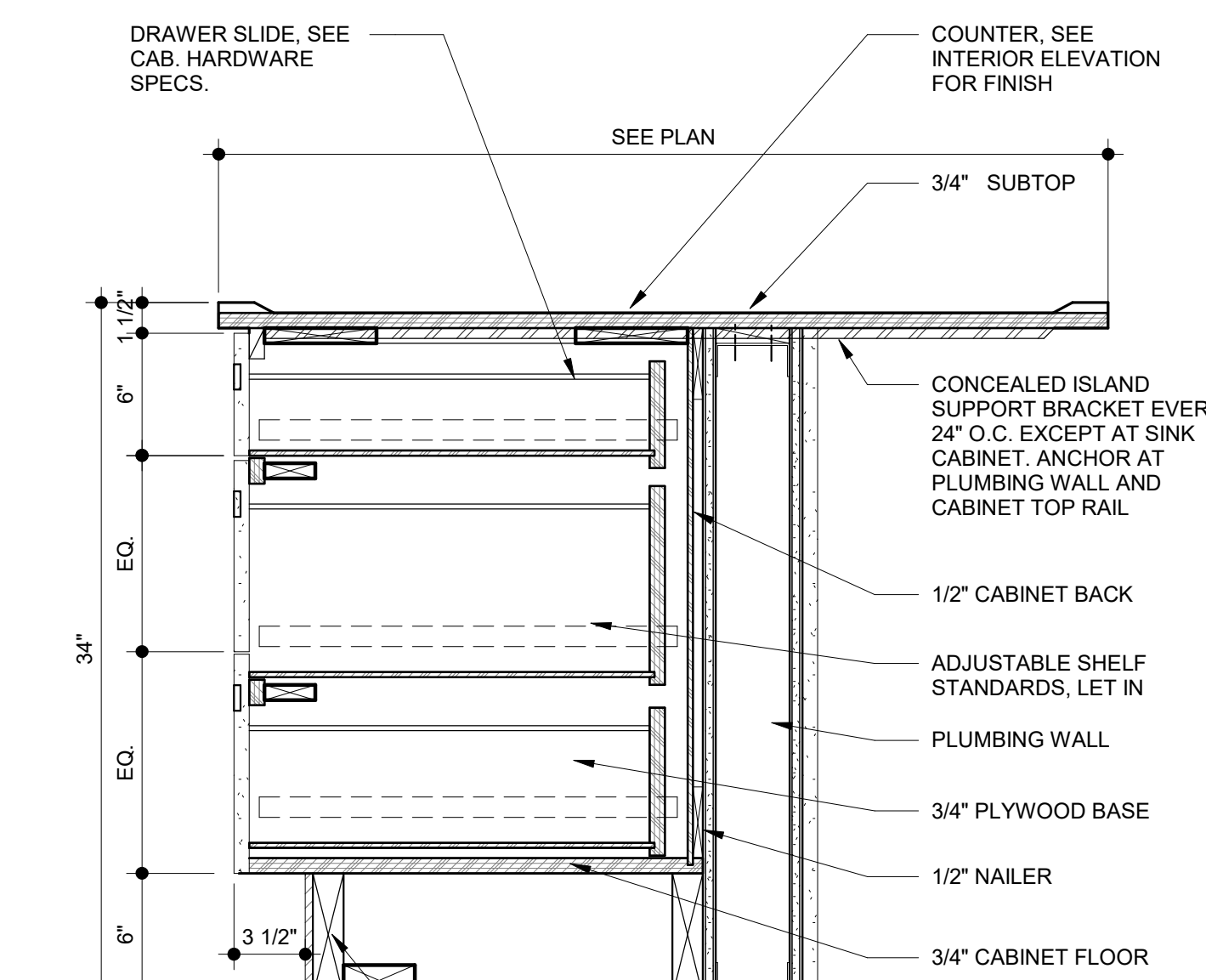
**5** ISLAND SINK BASE CABINET - ADA  
SCALE: 1 1/2" = 1'-0"



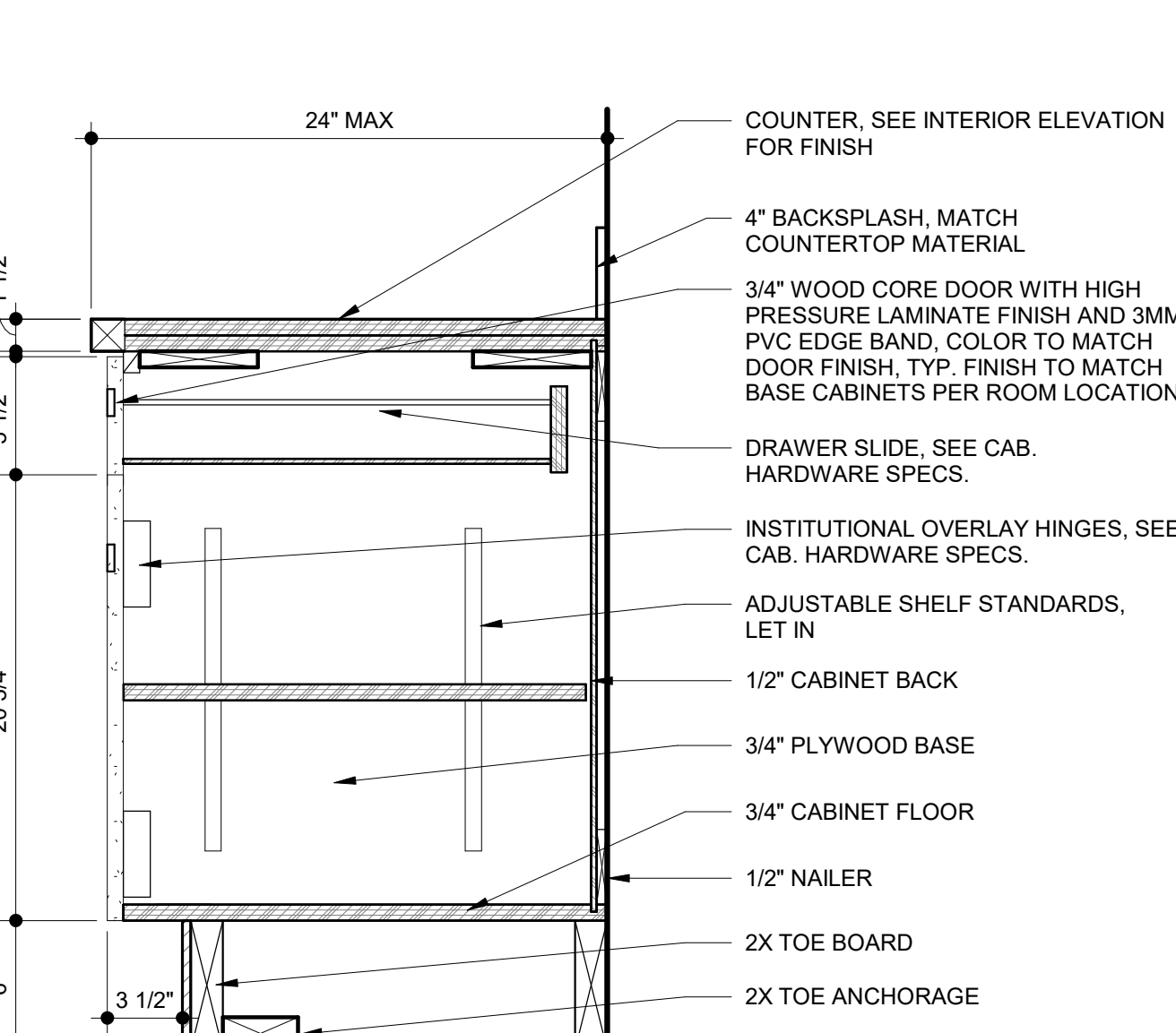
**8** UPPER CABINET - TYPICAL  
SCALE: 1 1/2" = 1'-0"



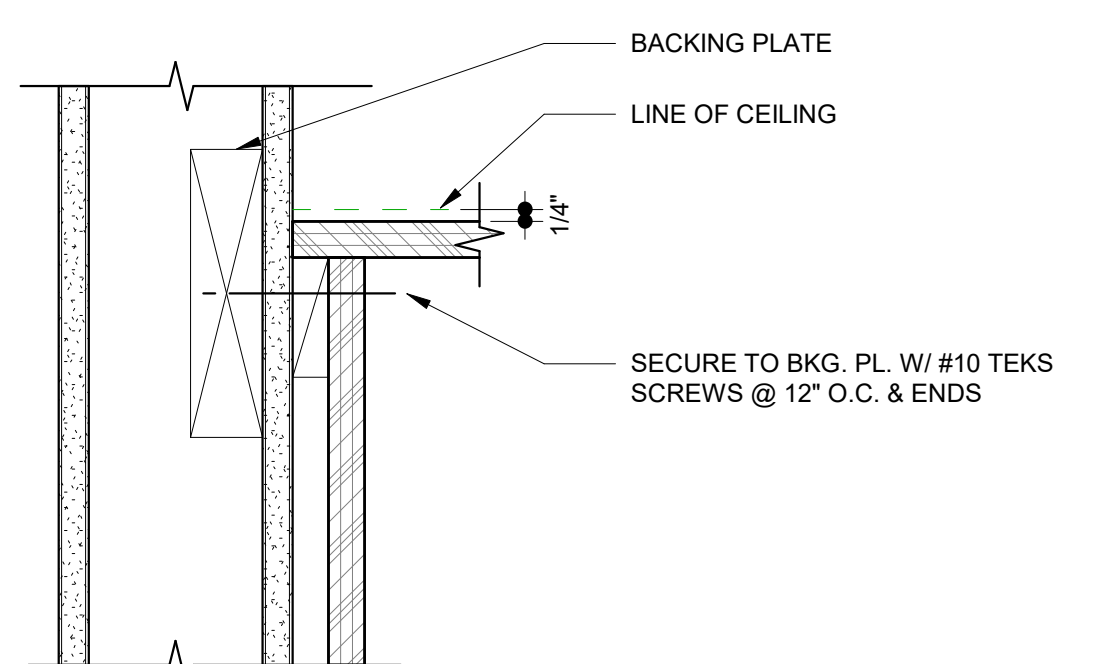
**1** BASE CABINET  
SCALE: 1 1/2" = 1'-0"



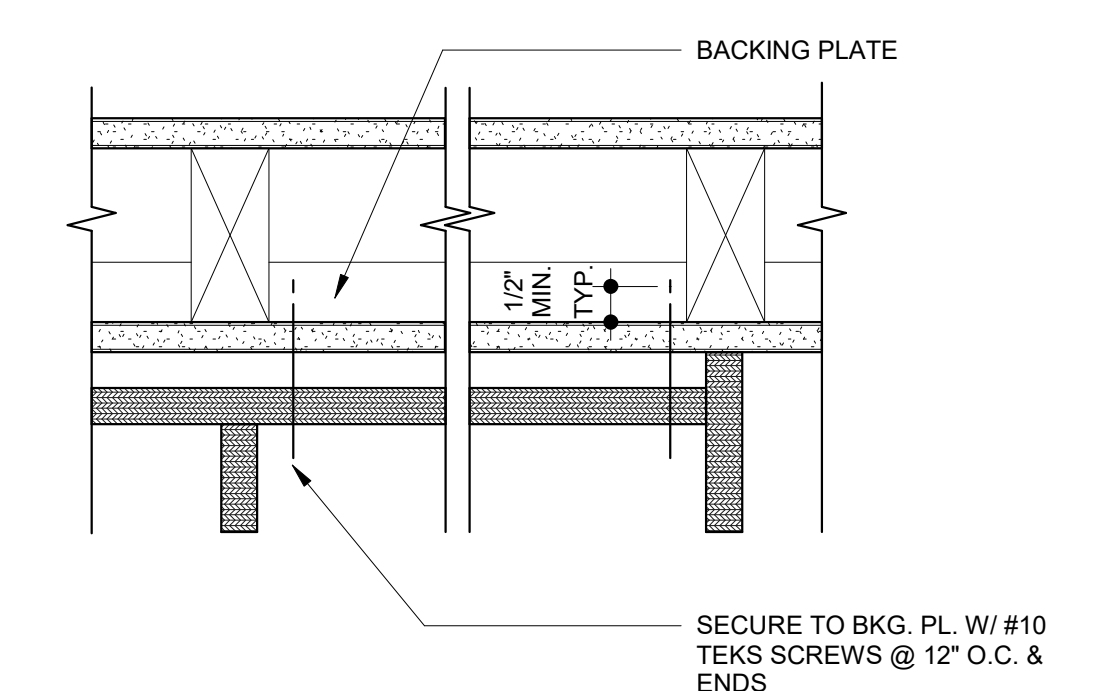
**4** ISLAND BASE CABINET - ADA DRAWERS  
SCALE: 1 1/2" = 1'-0"



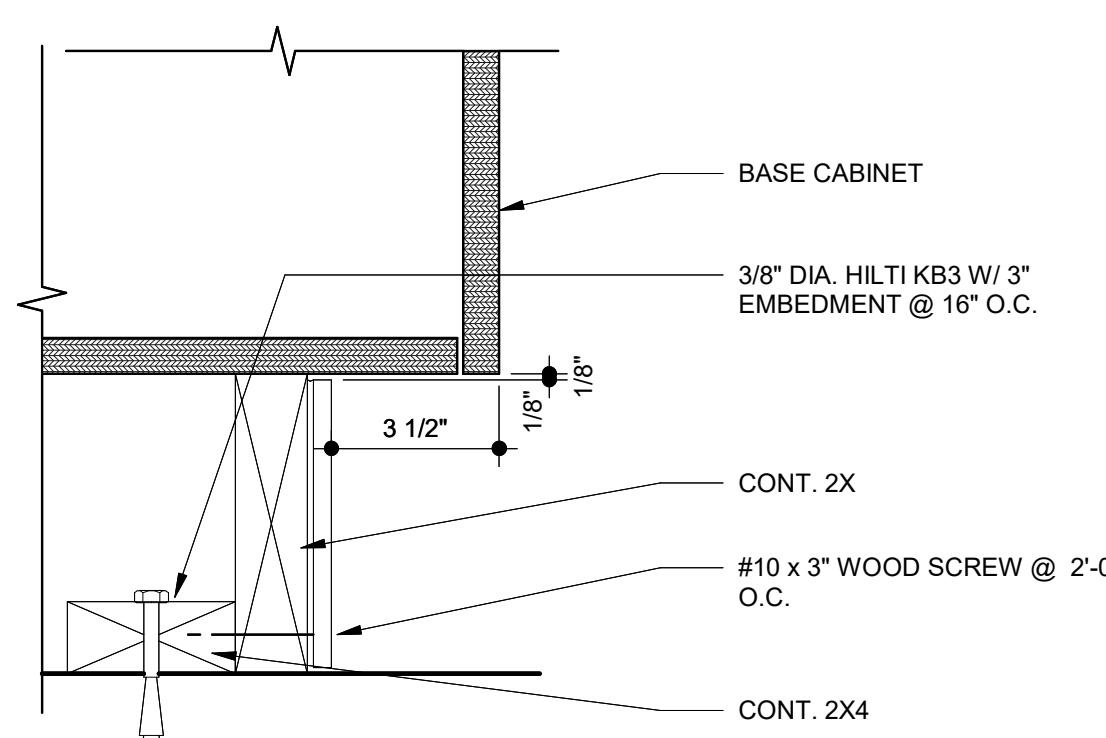
**7** ADA BASE CABINET  
SCALE: 1 1/2" = 1'-0"



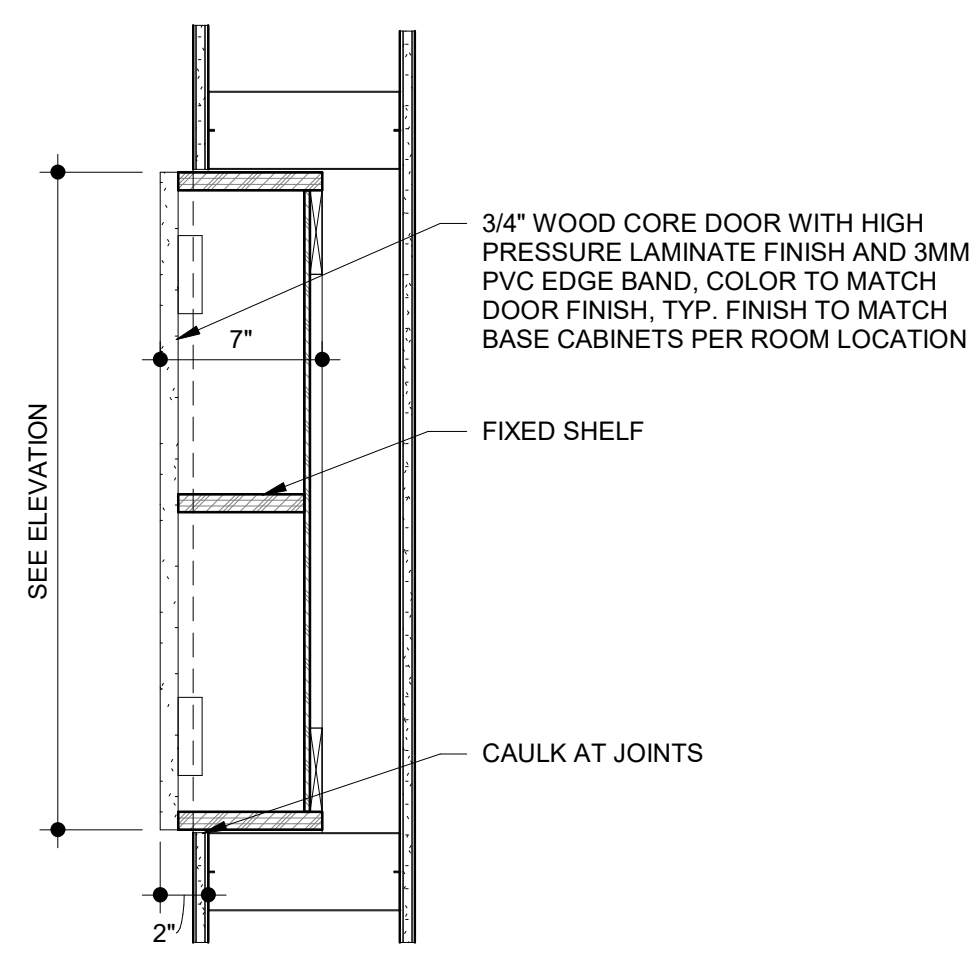
**12** CABINET TOP ANCHORAGE DETAIL  
SCALE: 3" = 1'-0"



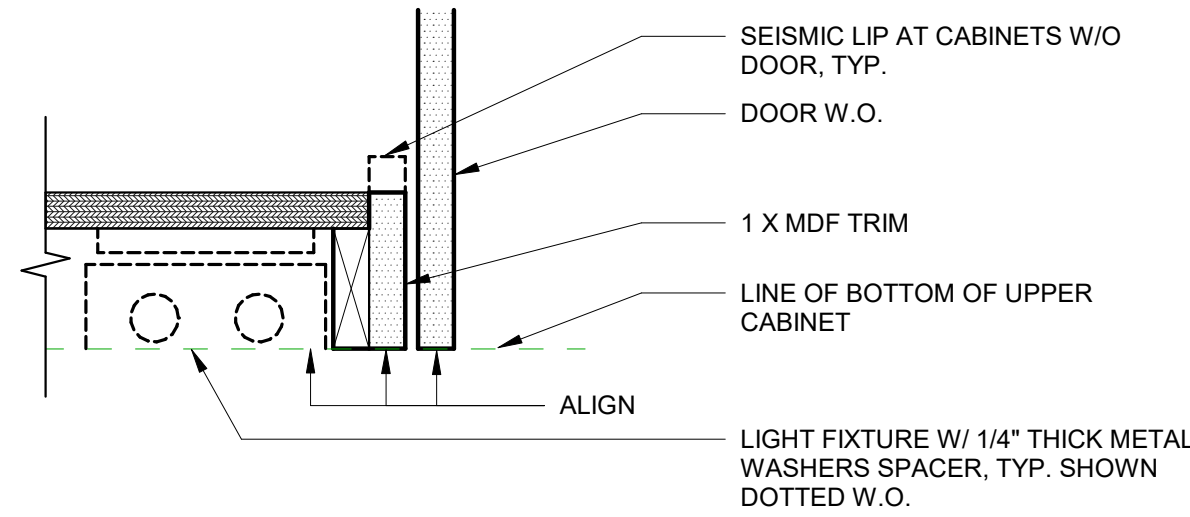
**11** CABINET WALL ANCHORAGE DETAIL  
SCALE: 3" = 1'-0"



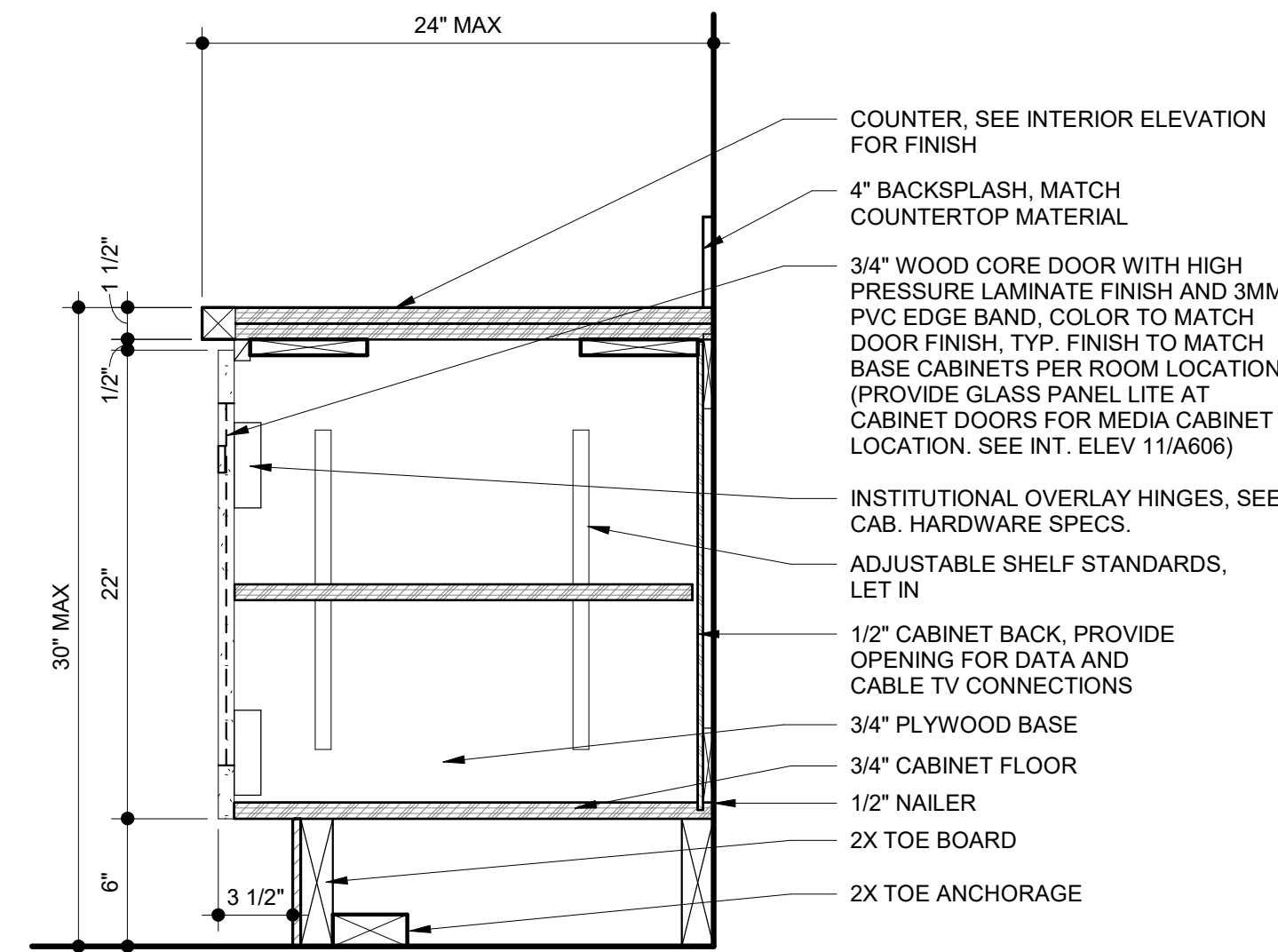
**10** CABINET ANCHORAGE DETAIL  
SCALE: 3" = 1'-0"



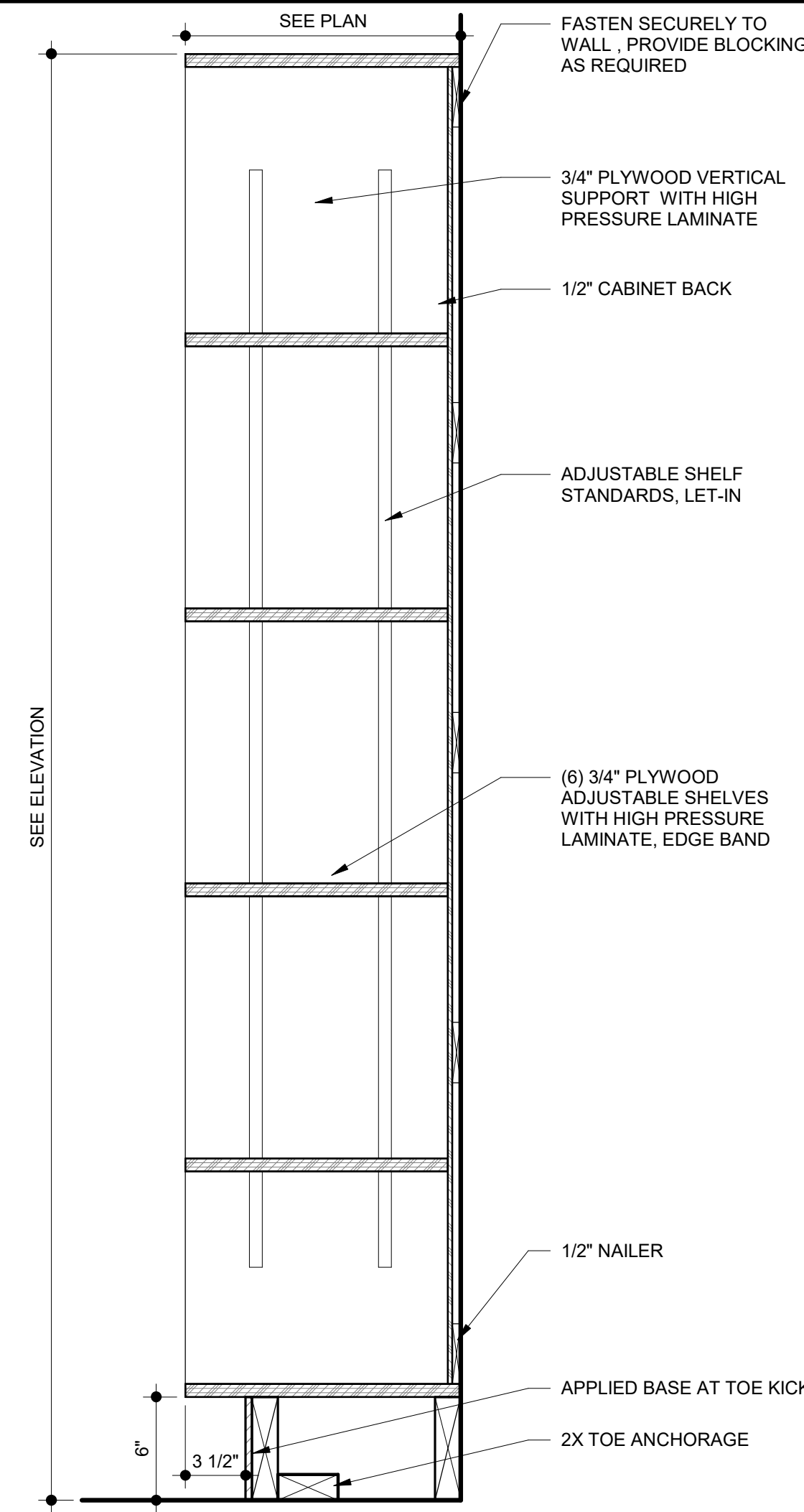
**16 RECESSED BATHROOM CABINET**  
SCALE: 1 1/2" = 1'-0"



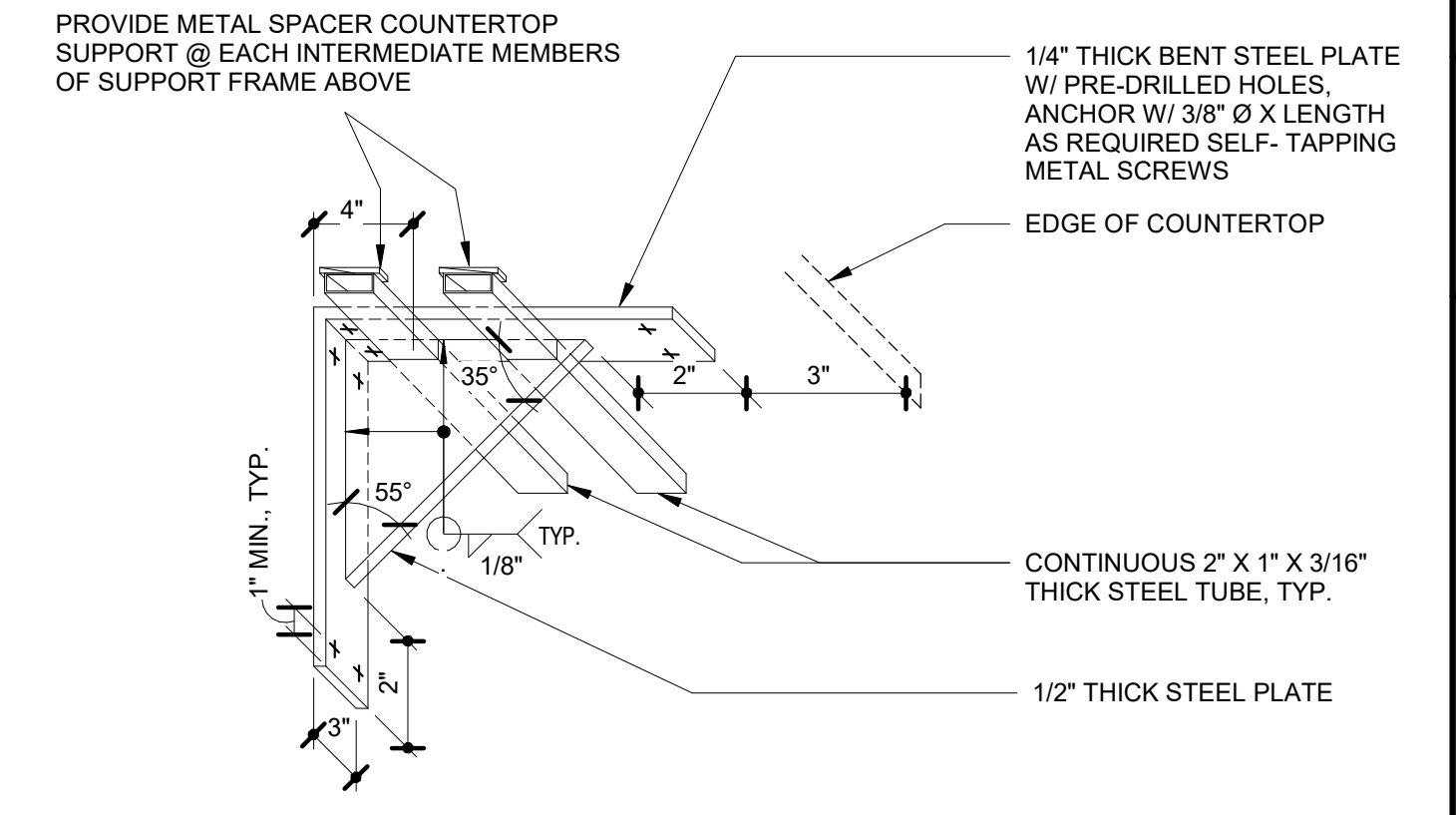
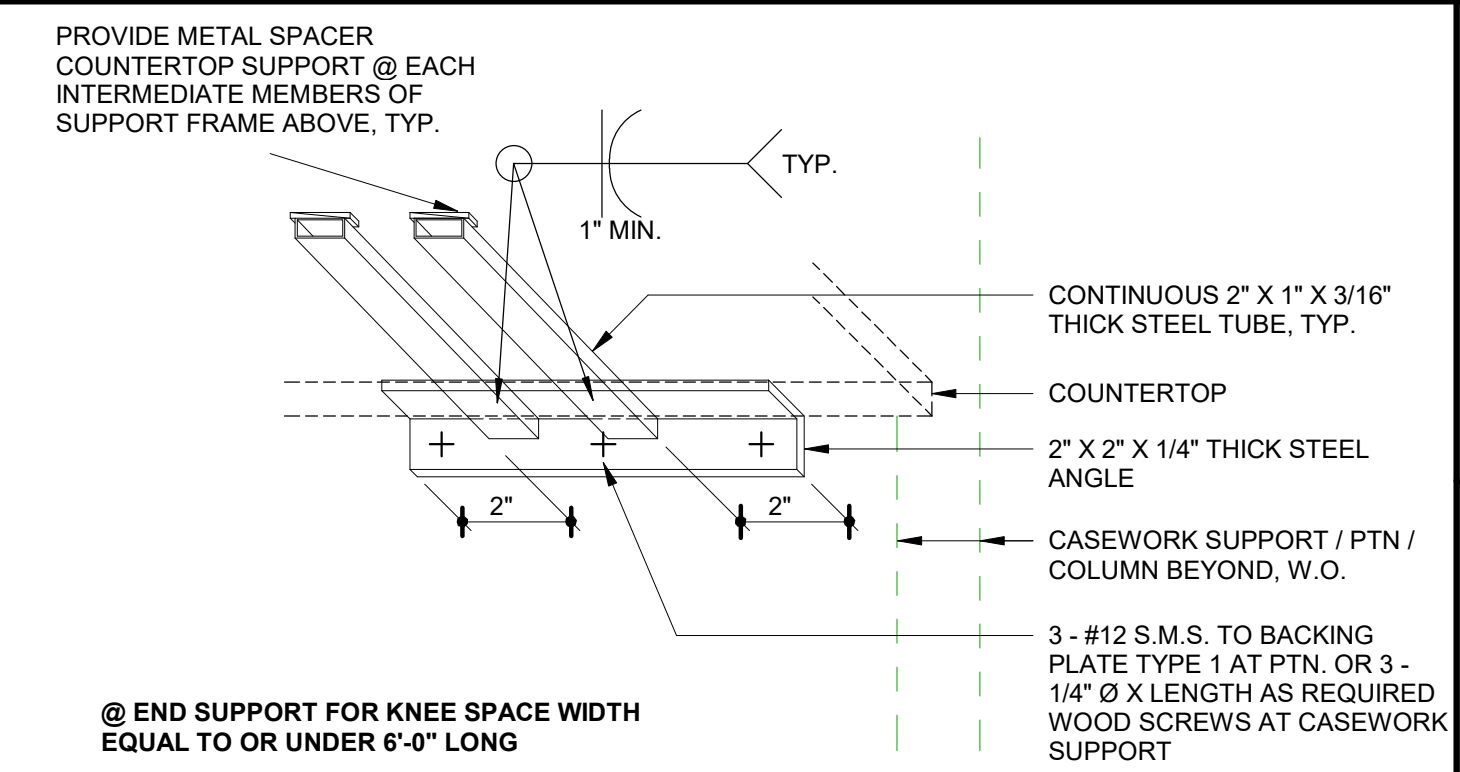
**15 UPPER CABINET LIGHT FIXTURE**  
SCALE: 3" = 1'-0"



**11 MEDIA BASE CABINET**  
SCALE: 1 1/2" = 1'-0"

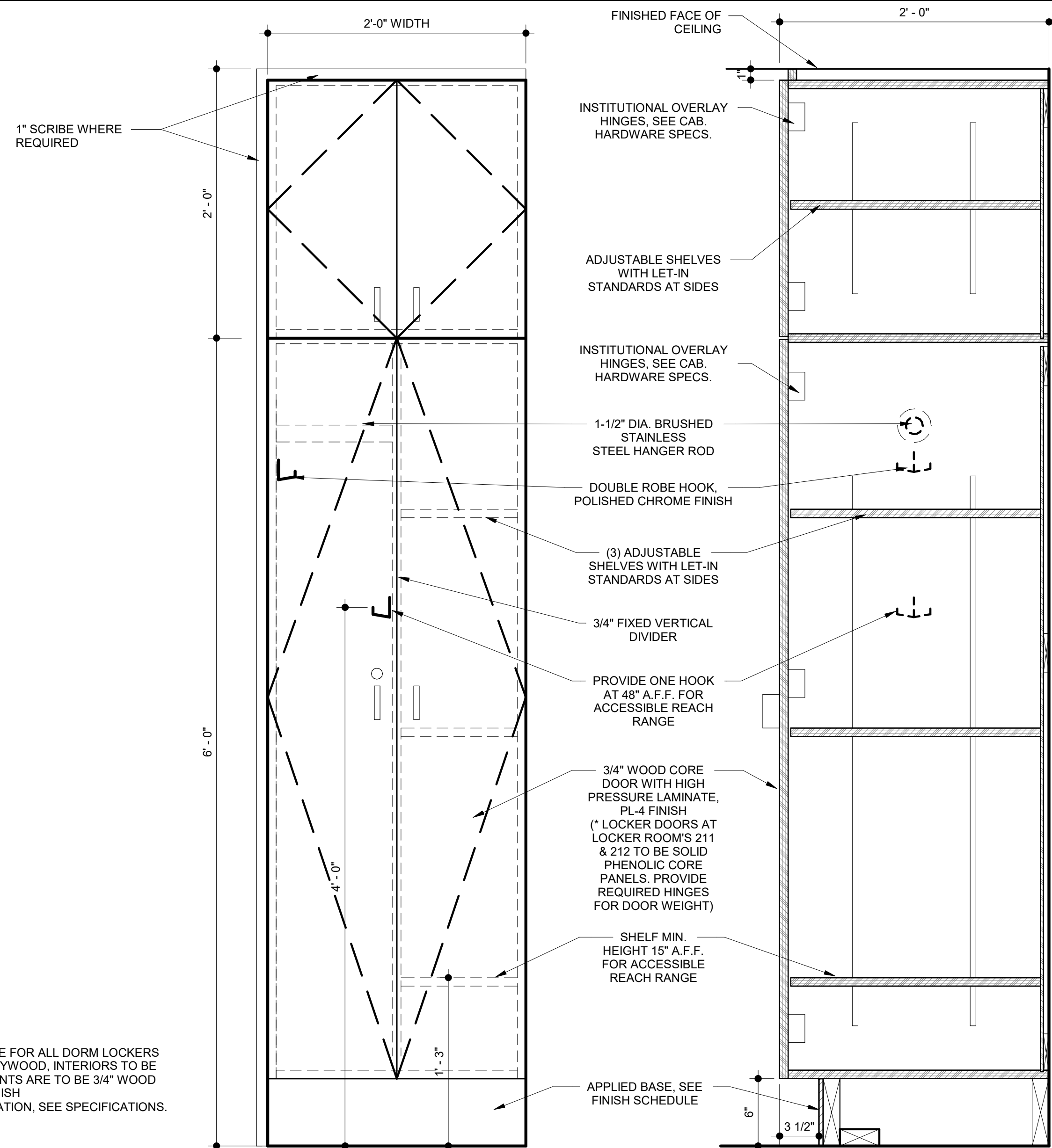


**7 FULL HEIGHT CABINET - OPEN SHELVING**  
SCALE: 1 1/2" = 1'-0"



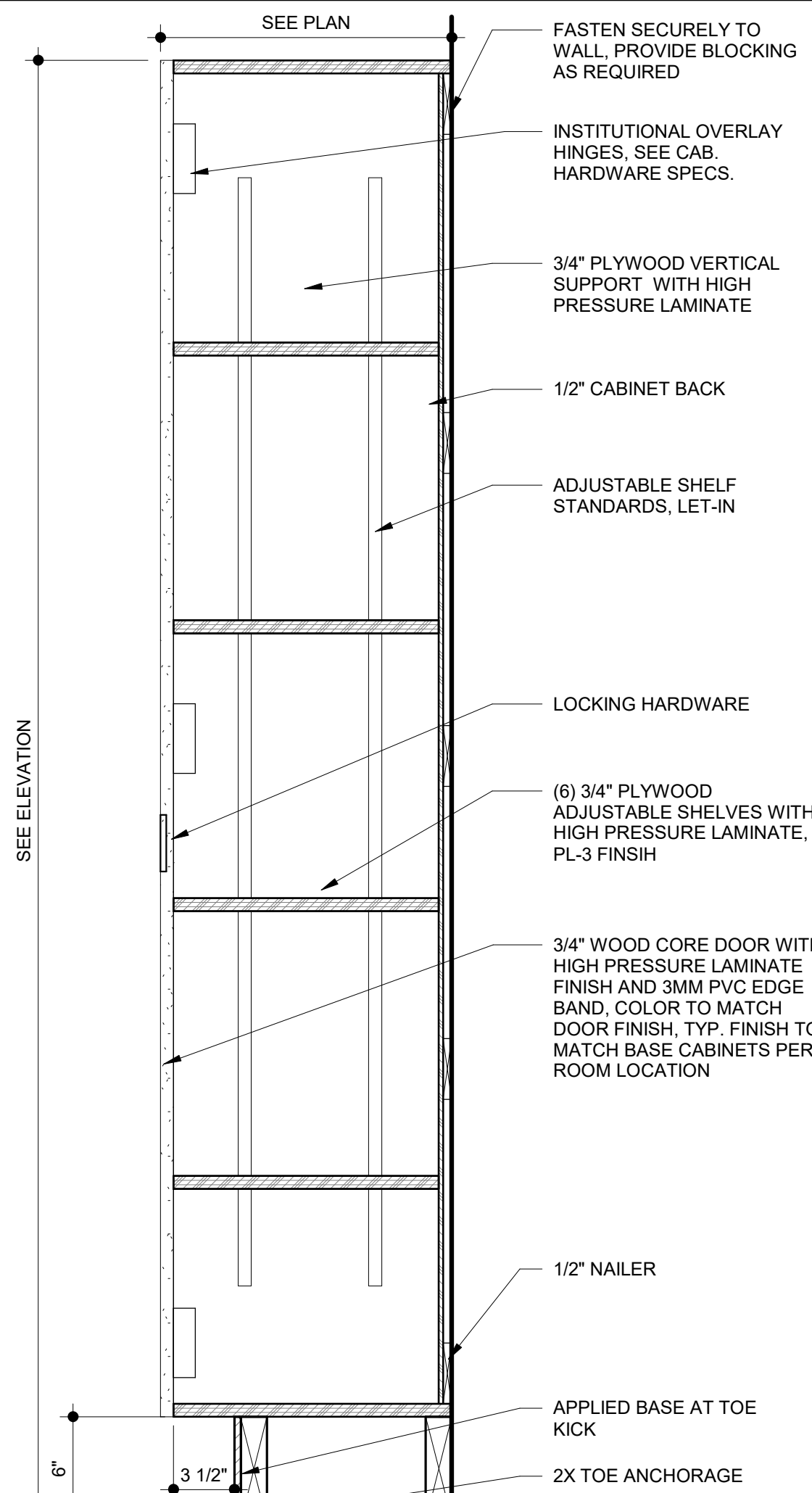
NOTES:  
1. PAINT ALL EXPOSED STEEL SURFACES. COLOR TO MATCH ADJACENT SURFACE COLOR.  
2. EASE ALL EXPOSED EDGES AND CORNERS.  
3. AT EACH COUNTERTOP SUPPORT LOCATION, PROVIDE TWO VERTICAL FULL HEIGHT BACK TO BACK 16 GA. STUDS AT PARTITION.

**3 COUNTERTOP STEEL SUPPORT**  
SCALE: 3" = 1'-0"

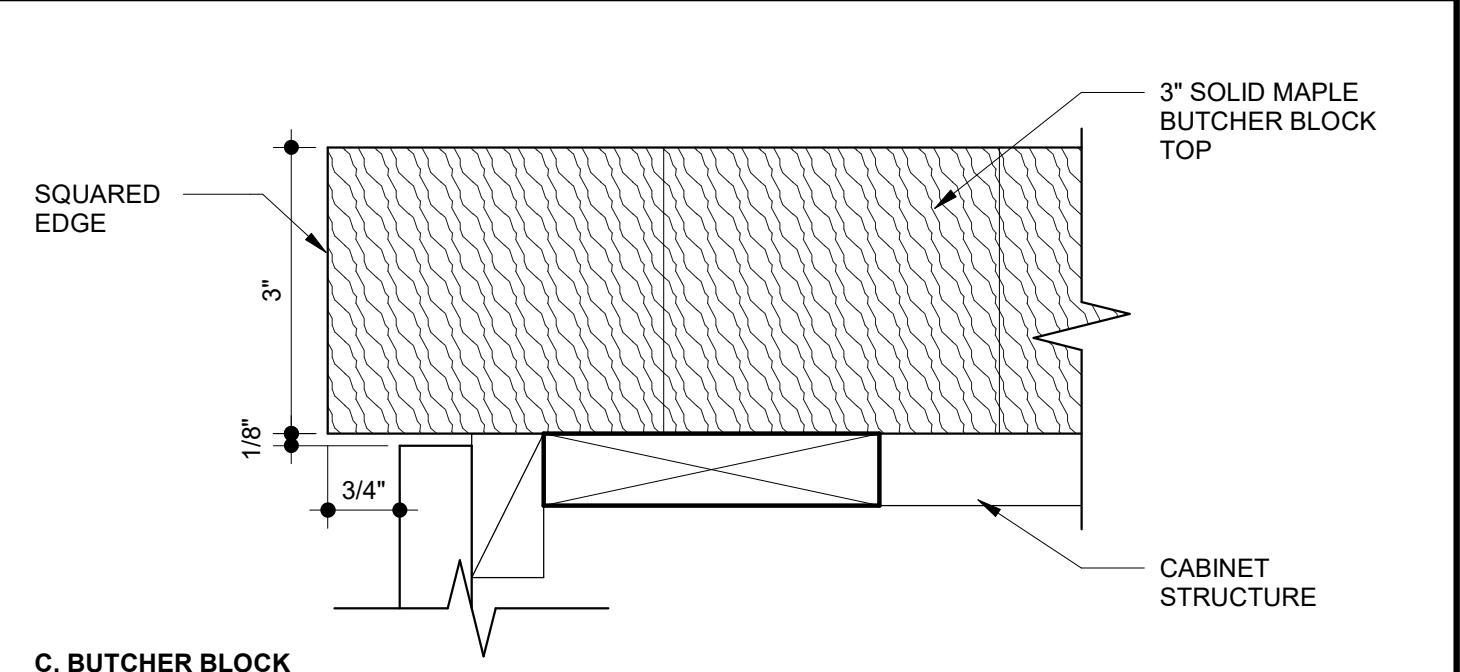


**13 WARDROBE CABINET**  
SCALE: 1 1/2" = 1'-0"

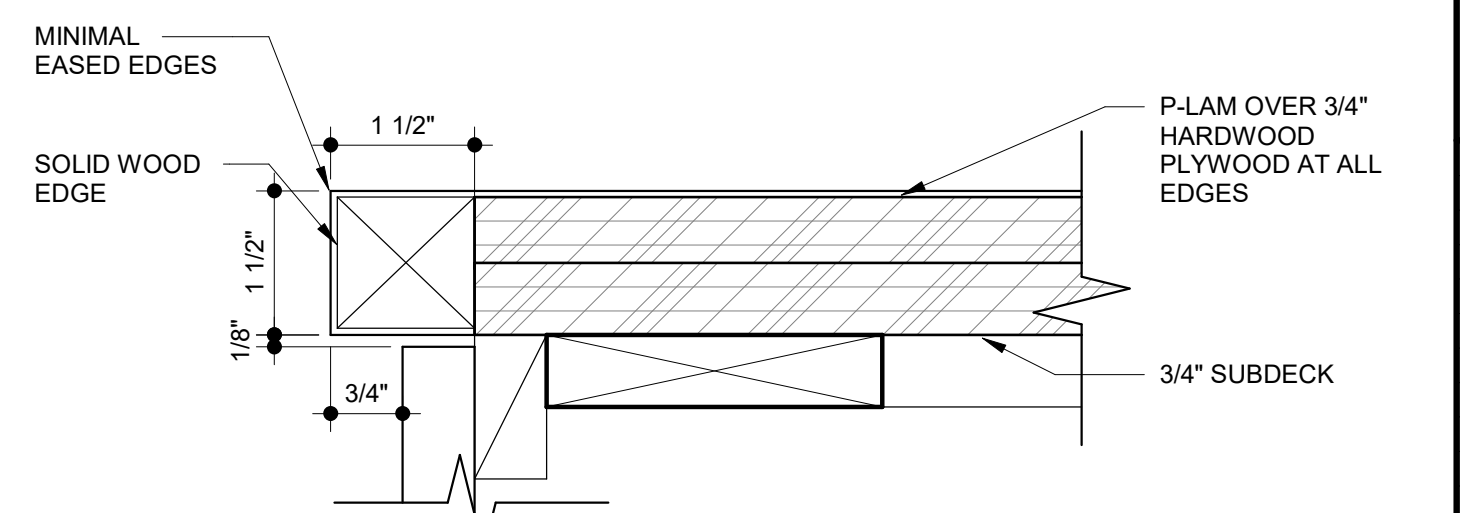
NOTE:  
1. PROVIDE CABINETRY LOCK HARDWARE FOR ALL DORM LOCKERS  
2. ALL BOX CONSTRUCTION TO BE 3/4" PLYWOOD, INTERIORS TO BE WHITE MELAMINE. DOORS/DRAWER FRONTS ARE TO BE 3/4" WOOD CORE OR SIM. WITH HIGH PRESSURE FINISH  
3. FOR ADDITIONAL CASEWORK INFORMATION, SEE SPECIFICATIONS.



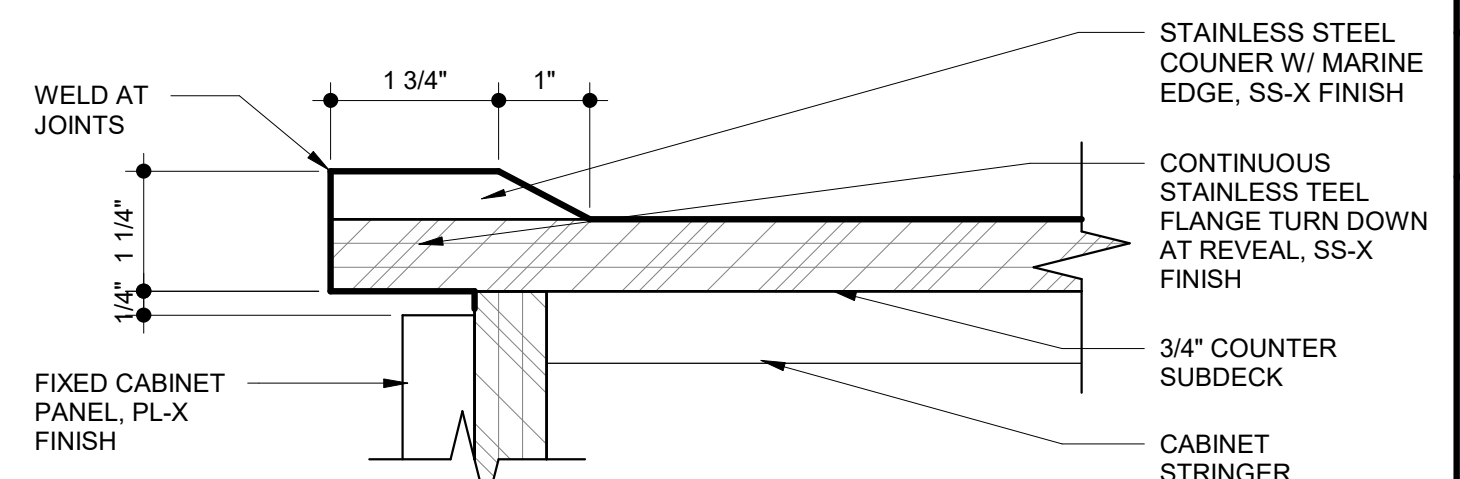
**5 FULL HEIGHT CABINET**  
SCALE: 1 1/2" = 1'-0"



**C. BUTCHER BLOCK**



**B. PLASTIC LAMINATE**



**A. SOLID SURFACE**

**1 COUNTERTOP EDGE CONDITIONS**  
SCALE: 6" = 1'-0"



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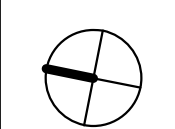
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KENSINGTON, CA 94707**

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T: (415) 826-9626

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 7   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.  
2106 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
INTERIOR DETAILS



### E WOOD FRAMING NOTES

- HEADERS, BEAMS, POSTS, TOP PLATE SPLICES, AND ETC., ARE PER 1/5/103 AND 3/5/103 WHERE NOT NOTED ON PLAN AND DETAILS.
- ALL BEAMS AND JOISTS (EXCLUDING I JOISTS) SHALL BE SEAT CUT FOR FULL UNIFORM BEARING AT SUPPORTS, INCLUDING BEAM SEATS AND COLUMN CAPS.
- THE GENERAL CONTRACTOR SHALL MEASURE GLULAM BEAM SIZES AND CAMBERS AS DELIVERED TO THE JOB SITE AND SHALL REPORT FINDINGS TO THE ENGINEER PRIOR TO ERECTION. PROVIDE 5,000 FT. RADIUS CAMBER ON ALL SIMPLE SPAN GLULAM BEAMS UNO. WHERE INDICATED ON PLAN, C = 3/4" INDICATES MIDSPAN CAMBER IN INCHES.
- 3/4" AND 5/8" WIDTHS MAY BE SUBSTITUTED FOR 3/4" & 5/8" WIDTHS, RESPECTIVELY, AT INDUSTRIAL APPEARANCE GRADE GLULAM MEMBERS UNO.
- SEE 11/5/103 FOR SHEATHING NAILING REQUIREMENTS. ALL NAILING NOT NOTED OR DETAILED OTHERWISE SHALL BE PER 10/5/103. NAIL LENGTH TO BE SUFFICIENT TO MEET CBC PENETRATION REQUIREMENTS. NAILS INTO PRESSURE TREATED MATERIAL SHALL BE HOT DIP GALVANIZED. NAILS AT BORATE TREATED LUMBER MAY BE CLEAR ZINC COATED. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AT EXTERIOR EXPOSURES.
- EXTERIOR STUD WALL SHALL BE 2x6 @ 16"oc UNLESS NOTED OTHERWISE. INTERIOR BEARING WALLS AND SHEAR WALLS SHALL BE 2x6 @ 16"oc UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR OTHER INTERIOR WALL FRAMING SIZES. COORDINATE STUD AND PLATE SIZES WITH THE REQUIREMENTS OF THE SHEAR WALL SCHEDULE.
- WOOD POST SIZES ARE TO MATCH BEAM AND STUD WIDTH, UNO. WHERE POST OCCURS ABOVE RAISED FLOOR, PROVIDE SOLID BLOCKING AT FLOOR FRAMING TO MATCH WIDTH OF POST. PEN PER C/5/102 TO POSTS AT ALL EXTERIOR WALLS AND INTERIOR SHEAR WALLS. POSTS AT HOLLOWDOWNS TO BE FULL HEIGHT AND PER 8/5/103.
- FOR ROOF DRAINAGE, TOP OF FRAMING BETWEEN NOTED POINTS IS A STRAIGHT LINE.
- ALL MECHANICAL SUPPLY AND RETURN OPENINGS TO BE BETWEEN FRAMING UNO.
- HSS OR PIPE COLUMNS IN STUD WALLS ARE TO BE TRIMMED PER 6/5/104. REFER TO PLANS AND DETAILS FOR OTHER REQUIREMENTS.
- JOISTS AND RAFTERS ARE PER PLAN, UNLESS NOTED OTHERWISE, PROVIDE "LU" HANGER AT FLUSH FRAMING AND "HU" HANGER WHERE HANGER IS SHOWN. SKEWED PER PLAN AND/OR HANGER SEAT IS INDICATED TO BE SLOPED. HANGER SIZE TO BE CORRECT FULL SIZE FOR JOIST SIZE (I.E. LU210 FOR 2x10). FILL ALL NAIL HOLES.
- PROVIDE SOLID BLOCKING @ 8'-0"oc MAX FOR ALL 2x14 REPETITIVE FRAMING.
- PROVIDE ADDITIONAL JOIST BELOW ALL OR ADJACENT TO NON-STRUCTURAL WALLS PARALLEL TO FRAMING, UNO.
- ROUND HOLES IN STEEL PLATES TO BE 1/8" OVERSIZE. SLOTTED HOLES IN STEEL PLATES SHALL BE 1/8" WIDER THAN THE BOLT DIAMETER AND HAVE A LENGTH OF 2 TIMES THE BOLT DIAMETER. THE DIRECTION OF THE SLOTTED LENGTH IS INDICATED ON THE DETAILS (VSH OR HSH). INSTALL BOLT AT THE CENTER LINE OF THE HOLE. BOLT HOLES IN WOOD SHALL BE ROUND AND 1/4" OVERSIZE. CUT OFF BOLT THREADED END FLUSH WITH NUT WHEN REQUIRED BY FINISHES AND 1" MAXIMUM FROM NUT OTHERWISE. PROVIDE STANDARD CUT WASHERS UNDER HEAD AND NUT WHERE BOLT BEARS ON WOOD. USE PLATE OR MALLEABLE IRON WASHERS AT EXPOSED CONDITIONS OR AS INDICATED.
- ALL BOLTED OR NAILED STRAP CONNECTIONS SHALL HAVE AN EQUAL NUMBER OF BOLTS OR NAILS EACH SIDE OF THE SPLICE JOINT. THE FIRST BOLT OR NAIL FROM EACH SIDE OF THE SPLICED OR STRAPPED MEMBER SHALL BE EQUIDISTANT FROM THE SPLICE. STRAPS USING 16d NAILS ON 2x MATERIAL TO BE INSTALLED ON THE 1 1/2" EDGE OF THE MEMBER.
- THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND SHEATHING MEET THE REQUIREMENTS OF THE SPECIFICATIONS AT THE TIME OF INSTALLATION AND AT CLOSE-IN. THE CONTRACTOR SHALL PROVIDE ALLOWANCE FOR DIFFERENTIAL SHRINKAGE BETWEEN FLOORS, ETC.
- VENTING IS REQUIRED IN ENCLOSED FRAMING AREAS, SAD, DRILL BLOCKING AND LEDGERS AND PROVIDE SKIP BLOCKING AS DETAILED.
- SAD FOR CEILING INFO. WHERE REQUIRED PROVIDE CEILING JOISTS PER 4/5/104, UNO.
- ALL SHEATHING SHALL HAVE 1/8" GAP AT ALL EDGES AND JOINTS. TYPICAL SHEATHING:

### C FOUNDATION NOTES

- ALLOWABLE (ASD) FOUNDATION DESIGN PRESSURES ARE:  
 SHALLOW FOOTINGS AT UNDISTURBED SOIL:  
 DEAD LOAD + LIVE LOAD = 2,250 PSF  
 DEAD LOAD + LIVE LOAD + LATERAL = 3,000 PSF
- ALL SOILS WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE REQUIREMENTS OF THE GEOTECHNICAL REPORT NOTED BELOW, AND CHAPTER 18 OF THE CBC. ALL GRADE BEAMS AND SLABS SHALL BEAR ON FIRM, SCARIFIED AND COMPACTED, NATIVE SOILS OR SHALE AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS. SURFACES EXPOSED BY EXCAVATION SHOULD BE SCARIFIED TO A DEPTH OF 8 INCHES AND COMPACTED PER GEOTECHNICAL REPORT. CONTINUOUS FOOTINGS MUST BEAR ON SHALE. INCREASE FILL AND OR FOOTING DEPTH AS REQUIRED BY GEOTECHNICAL ENGINEER. ALL FOOTING EXCAVATIONS SHALL BE AS NEAT AS PRACTICABLE. MAXIMUM OVER EXCAVATION IN WIDTH SHALL BE LESS THAN 12 INCHES OR 25% OF FOOTING WIDTH, WHICH EVER IS LESS. 6 INCHES MAXIMUM PER SIDE. LARGER OVER-EXCAVATIONS IN WIDTH SHALL BE FILLED WITH ADDITIONAL REINFORCED CONCRETE AS DIRECTED BY THE ENGINEER. OR FORMWORK SHALL BE PROVIDED. OVER-EXCAVATIONS IN DEPTH MAY BE FILLED WITH LEAN CONCRETE OR COMPACTED APPROVED BACKFILL. ALL LOOSE SOILS SHALL BE REMOVED FROM EXCAVATIONS PRIOR TO PLACEMENT OF REINFORCING OR CONCRETE. GEOTECHNICAL REPORT BY:  
  
 HALEY & ALDRICH, INC.  
 REPORT NO. 0201747-000  
 DATED: 11/29/2021  
  
 HALEY & ALDRICH, INC.  
 SUPPLEMENTAL GEOTECHNICAL RECOMMENDATIONS  
 DATED: 03/17/2022
- WHERE BOTTOM OF ADJACENT FOOTINGS ARE DIFFERENT PROVIDE STEPPED FOOTING PER 8/5/101.
- USE 5/8" DIAMETER x 12" (18" AT CURBS) ANCHOR BOLTS (AB) AT 48"oc WHERE NOT OTHERWISE NOTED. MINIMUM EMBEDMENT INTO CONCRETE IS 7" (EXCLUDING CURB) UNLESS DETAILED OTHERWISE. ANCHOR BOLTS ARE TO BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. SEE SHEAR WALL SCHEDULE FOR ADDITIONAL REQUIREMENTS. MINIMUM TWO ANCHOR BOLTS PER SILL PIECE.
- TYPICAL SLAB: CONCRETE REINFORCED SLABS WITH THICKNESS AND REINFORCEMENT PER FOUNDATION PLAN OVER VAPOR RETARDER (PER SPECIFICATIONS) AND 6" THICK LAYER OF COMPACTED CLASS 2 AGGREGATE BASE ON SUBGRADE PER THE GEOTECHNICAL RECOMMENDATIONS, AND AS APPROVED BY THE GEOTECHNICAL ENGINEER. DO NOT DRIVE CONCRETE TRUCKS OR LARGE SCREED MACHINES ON VAPOR RETARDER WITHOUT ADDITIONAL BUFFER MATERIAL AND APPROVAL FROM THE STRUCTURAL ENGINEER.
- REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR DEPRESSED SLABS FOR ARCHITECTURAL FLOORING OR INSERTS, SLOPED SLABS TO DRAIN AND PIPES OR CONDUITS AT SLAB. SEE 7/5/101 FOR PIPES AND CONDUITS.
- PROVIDE CONTROL JOISTS PER 8/5/101 (OR CONSTRUCTION/DOWEL JOISTS AT CONTRACTOR'S OPTION) AS SHOWN ON PLAN AND AS REQUIRED TO MEET A MAXIMUM SPACING IN FEET OF 3 TIMES THE SLAB DEPTH IN INCHES (FOR EXAMPLE 3x4" = 12'-0"oc MAX) AND 15'-0"oc MAX. INSTALL JOISTS TO DIVIDE SLAB INTO RECTANGULAR AREAS WITH LONG DIMENSION LESS THAN 1.5 x SHORT DIMENSION. INSTALL JOISTS AT FACE OF STUDS OF WALL, WHERE POSSIBLE. SUBMIT JOINT LAYOUT PLAN FOR REVIEW PRIOR TO PLACEMENT.
- DRILLING FOR CAST IN PLACE CONCRETE PIERS REQUIRES OBSERVATION AND APPROVAL OF GEOTECHNICAL ENGINEER. ALL PIERS SHALL BE POURED IN ONE CONTINUOUS POUR WITH STEEL IN PLACE. ALL PIERS TO BE VIBRATED WHILE POURING CONCRETE.
- DO NOT UNDERCUT EXISTING FOUNDATIONS. NOTIFY ENGINEER FOR REVIEW AND POSSIBLE REVISIONS, IF EXISTING FOUNDATION CONDITIONS ARE NOT AS SHOWN.
- TOP OF FOOTING ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR BASED ON INFORMATION FROM THE CIVIL DRAWINGS, GEOTECHNICAL REPORT, LANDSCAPE, ETC.


### A DESIGN CRITERIA

DESIGN CRITERIA: 2019 CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2 (CBC) AND 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC)

FLOOR LIVE LOAD: 50 PSF (REDUCIBLE)  
 ROOF LIVE LOAD: 20 PSF (REDUCIBLE)  
 FUTURE SLABS: 8 PSF  
 RISK CATEGORY: IV  
 WIND DATA: ULTIMATE WIND SPEED (3 SEC GUST) IN MPH: 102  
 WIND EXPOSURE: C  
 INTERNAL WIND PRESSURE COEFFICIENT (GCP) = ±0.18  
 COMPONENTS AND CLADDING DESIGN PRESSURES FOR SYSTEMS DESIGNED BY OTHERS SHALL COMPLY WITH THE "ASCE 7-16" DESIGN STANDARD.  
 SEISMIC IMPORTANCE FACTOR, I<sub>p</sub>: 1.5  
 MAPPED SPECTRAL RESPONSE ACCELERATIONS: S<sub>0.2</sub> = 2.277g; S<sub>0.5</sub> = 0.880g  
 SITE CLASS: C  
 SPECTRAL RESPONSE COEFFICIENTS: S<sub>0.2</sub> = 1.822g; S<sub>0.1</sub> = 0.821g  
 SEISMIC DESIGN CATEGORY: F  
 SEISMIC FORCE RESISTING SYSTEM(S): WOOD FRAMED SHEAR WALLS AND STEEL ORDINARY MOMENT FRAMES  
 RESPONSE MODIFICATION FACTOR(S): R = 6.5, R = 3.5  
 DESIGN BASE SHEAR: 68k (ASD)  
 SEISMIC RESPONSE COEFFICIENT(S), C<sub>s</sub> = 0.420, C<sub>s</sub> = 0.781 (ULTIMATE)  
 ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE  
 SEISMIC FORCES ARE REDUCED TO 75% OF CURRENT CODE PER CEBC

SCOPE: MODIFICATIONS TO EXISTING BEARING WALL LOCATIONS, NEW FLOOR AND ROOF FRAMING, FULL SEISMIC RETROFIT, ASSOCIATED FOUNDATION WORK, AND TENANT IMPROVEMENTS.

**ZFA STRUCTURAL ENGINEERS**  
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 zfa job no. 21479 copyright © 2022

STAMP  


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### B GENERAL NOTES

- REFER TO SHEETS S101, S102, S103, S104 AND S105 FOR STANDARD DETAILS OF CONSTRUCTION. REFER TO THE PROJECT SPECIFICATIONS FOR MATERIALS AND METHODS.
- BUILDING DIMENSIONS SHOWN ARE FOR GENERAL REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS (SAD) FOR ALL ACTUAL BUILDING DIMENSIONS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER SO CLARIFICATION CAN BE MADE PRIOR TO COMMENCING WORK.
- STRUCTURAL DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK.
- DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR SIDEWALK SLABS AND DIMENSIONS.
- COORDINATION OF MECHANICAL, ELECTRICAL, PLUMBING, AND SITE UTILITY SYSTEMS WITH THE STRUCTURAL SYSTEM IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. USE DETAILS ON SHEETS S101 THROUGH S105 AT CONDITIONS WHERE THESE DETAILS DO NOT APPEAR TO APPLY. NOTIFY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION. AT CONDITIONS WHERE FIELD MODIFICATIONS OF MECHANICAL, ELECTRICAL, PLUMBING, OR SITE UTILITIES AFFECT STRUCTURAL SYSTEMS, NOTIFY STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
- VERIFY WEIGHTS AND LOCATIONS OF MECHANICAL UNITS WITH MECHANICAL ENGINEER PRIOR TO PLACEMENT. UNITS VARYING OVER 10% IN WEIGHT SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION (MECHANICAL WEIGHTS SHOWN ARE MAXIMUM). CONTRACTOR TO VERIFY MECHANICAL UNIT SIZES AND WEIGHTS AS INSTALLED PRIOR TO INSTALLATION OF SPECIAL FRAMING TO ENSURE CORRECT PLACEMENT UNDER CURBS, ETC. SEE 7/5/104.
- SHORING AND BRACING DESIGN, MATERIALS AND INSTALLATION SHALL BE PROVIDED BY THE GENERAL CONTRACTOR, AND SHALL BE ADEQUATE FOR ALL LOADS. LEAVE IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY AND UNTIL FINAL STRUCTURAL CONSTRUCTION IS COMPLETED. THE CONTRACTOR SHALL ENGAGE A LICENSED CIVIL OR STRUCTURAL ENGINEER TO PROVIDE SHORING.
- SPECIAL INSPECTIONS ARE REQUIRED PER D/5/101 AND THE TESTING AND INSPECTION FORM.
- VEHICULAR TRAFFIC, HEAVY EQUIPMENT AND MATERIAL STAGING SHALL NOT BE ALLOWED ADJACENT TO ANY RETAINING/BASEMENT WALL, NEW OR EXISTING WITHIN A HORIZONTAL DISTANCE EQUAL TO THE WALL HEIGHT MEASURED FROM THE BOTTOM OF FOOTING OR 5'-0" WHICHEVER IS GREATER, UNLESS APPROVED BY THE STRUCTURAL ENGINEER OR NOTED OTHERWISE. WITHIN THIS ZONE, ONLY HAND-OPERATED EQUIPMENT ("WHACKERS", VIBRATORY PLATES, OR PNEUMATIC COMPACTORS) SHALL BE USED TO COMPACT THE BACKFILL SOILS.
  - MINIMUM FOOTING SIZE AND REINFORCING STEEL.
  - WOOD SHEAR WALLS, SHEAR PANELS AND FLOOR/ROOF DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORAGE AND OTHER FASTENING TO OTHER COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM.
  - STRUCTURAL WOOD FRAMING.
- NOTIFY ZFA FOR REVIEW PRIOR TO COVERING ABOVE LISTED WORK. PROVIDE 2 WORKING DAYS MINIMUM SCHEDULING NOTICE PRIOR TO REVIEW DATE.
- SUBMIT ENGINEERING FOR DEFERRED APPROVAL ITEMS TO ARCHITECT/ENGINEER FOR REVIEW AND SUBMITTAL TO THE BUILDING DEPARTMENT FOR APPROVAL PRIOR TO FABRICATION. DEFERRED APPROVAL ITEMS SHALL BE DESIGNED AND DETAILED BY MANUFACTURER TO ACCOMMODATE HORIZONTAL AND VERTICAL MOVEMENTS AS NOTED IN STRUCTURAL DRAWINGS. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE DIMENSIONS AND DETAILS SHOWN ON THE SHOP DRAWINGS PRIOR TO SUBMITTAL. MANUFACTURER TO PROVIDE DRAWINGS AND CALCULATIONS DESIGNED IN ACCORDANCE WITH THE CBC AND SPECIFICATIONS, PREPARED AND SIGNED BY A CALIFORNIA LICENSED CIVIL OR STRUCTURAL ENGINEER FOR THE FOLLOWING ITEMS, UNLESS NOTED OTHERWISE:
  - ELEVATOR - STRUCTURAL DESIGN AND DRAWINGS OF ELEVATOR GUIDES, RAILS, SUPPORTS, ETC. SHALL BE PROVIDED BY THE ELEVATOR MANUFACTURER/SUPPLIER. CONFORM TO CAL OSHA REQUIREMENTS.

### D SPECIAL INSPECTION BY OWNERS TESTING AGENCY

- SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED BY AN APPROVED AGENCY IN ACCORDANCE WITH CBC CHAPTER 17 AND THE STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED BY CBC SECTIONS 1704.2.3 AND 1704.3 FOR BUILDING STRUCTURAL ELEMENTS SUMMARIZED AS FOLLOWS:
- STRUCTURAL STEEL CONSTRUCTION PER CBC SECTIONS 1705.2, 1705.12.1, 1705.13.1, AND TABLE 1705.2.3 INCLUDING MATERIAL IDENTIFICATION, SHOP AND FIELD WELDING, AND INSTALLATION OF HIGH-STRENGTH BOLTS.
  - CONCRETE CONSTRUCTION PER CBC SECTIONS 1705.3, AND TABLE 1705.3 INCLUDING FORMWORK, REINFORCING STEEL, CAST-IN-PLACE BOLTS, MIX DESIGNS, CONCRETE SAMPLES, AND PLACEMENT FOR ALL CONCRETE. REINFORCING DOWELS FROM FOOTINGS TO RETAINING WALLS SHALL BE INSPECTED PRIOR TO PLACEMENT OF FOOTING CONCRETE AND WALL GROUT OR CONCRETE. CONTINUOUS OR ISOLATED SPREAD FOOTINGS WITH DESIGN STRENGTH NO GREATER THAN 2500 PSI, NON-STRUCTURAL SLABS ON GRADE, AND EXTERIOR FLATWORK DO NOT REQUIRE SPECIAL INSPECTION PER CBC SECTION 1705.3.
  - WOOD CONSTRUCTION PER CBC SECTIONS 1705.5, 1705.11.1, AND 1705.12.2 INCLUDING NAILING, BOLTING, AND ANCHORING OF ALL DRAG STRUTS, TOP PLATE SPLICES, LEDGER SPLICES, SIMPSON HARDWARE, BRACES, AND HOLLOWDOWNS, AND NAILING, BOLTING, AND ANCHORING OF ALL SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS WHERE THE FASTENER SPACING OF THE SHEATHING IS 4" APART OR LESS.
  - SOILS PER CBC SECTION 1705.6, TABLE 1705.6, AND THE APPROVED SOILS REPORT INCLUDING SUBGRADE PREPARATION, FOUNDATION BEARING MATERIALS AND DEPTH OF EXCAVATIONS, AND VERIFICATION, PLACEMENT AND TESTING OF CONTROLLED FILL.
  - DRILLED AND CONCRETE PIER FOUNDATIONS PER CBC SECTION 1705.8, TABLE 1705.8 AND THE APPROVED SOILS REPORT INCLUDING DRILLING OPERATIONS, PIER SIZE AND EMBEDMENT, END BEARING STRATA CAPACITY, AND PLACEMENT OF REINFORCEMENT AND CONCRETE. ADDITIONAL INSPECTIONS FOR CONCRETE ARE REQUIRED PER CBC SECTION 1705.3, AND AS NOTED ABOVE.
  - SPECIAL CASES PER CBC SECTION 1705.11.1 AND PRODUCT ICC REPORTS FOR ALL STRUCTURAL MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN THE CBC OR REFERENCED STANDARDS INCLUDING POST-INSTALLED ANCHOR BOLTS IN CONCRETE AND CMU, AND PRE-MANUFACTURED SHEAR PANELS AND BRACED FRAMES.

### F STEEL NOTES

- COORDINATE TOP OF FOOTING ELEVATIONS AS DETERMINED BY THE CONTRACTOR PER C/5/101.
- TOP OF STEEL ELEVATIONS ARE TO BE DETERMINED BY THE CONTRACTOR BASED ON ARCHITECTURAL DRAWINGS AND STRUCTURAL DRAWINGS.
- ALL FRAMING AND CONNECTIONS ALONG GRID LINES OR OTHERWISE INDICATED AS (SFRS) ARE PART OF THE SEISMIC FORCE RESISTING SYSTEM. TESTING AND INSPECTION OF FRAMING AND CONNECTIONS INDICATED AS SFRS SHALL MEET ALL REQUIREMENTS OF AISC 341 AND AWS D1.8. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL BOLTS THAT ARE A PART OF THE SFRS ARE TO BE SLIP CRITICAL WITH CLASS A FAYING SURFACE PREPARATION, UNO.

| ABBREVIATIONS |                            |         |                                     |
|---------------|----------------------------|---------|-------------------------------------|
| AB            | ANCHOR BOLT                | FTG     | FOOTING                             |
| ABV           | ABOVE                      | GA      | GAGE or GAUGE                       |
| AC            | AIR CONDITIONING           | GALV    | GALVANIZED                          |
| ADJ           | ADJACENT                   | GB      | GRADE BEAM                          |
| ADDL          | ADDITIONAL                 | GR      | GRADE                               |
| ALT           | ALTERNATE                  | GLB     | GLUE LAMINATED BEAM                 |
| ALUM          | ALUMINUM                   | GR      | GRADE                               |
| ARCH          | ARCHITECT                  | HD      | HOLD DOWN                           |
| AVC           | ALASKAN YELLOW CEDAR       | HDR     | HOLDER                              |
| BF            | BRACED FRAME               | HGR     | HOT DIP GALVANIZED                  |
| BLOG          | BUILDING                   | HK      | HOOK                                |
| BLK/BKLG      | BLOCK/LOCKING              | HORZ    | HORIZONTAL                          |
| BLW           | BELOW                      | HSB     | HIGH STRENGTH BOLT                  |
| BM            | BEAM                       | HSB     | HIGH STRENGTH BOLT                  |
| BN            | BOUNDARY NAIL              | HSG     | HORIZONTAL SLOTTED                  |
| BTM           | BOTTOM                     | HSH     | HORIZONTAL SLOTTED                  |
| BRG           | BEARING                    | HSS     | HOLLOW STRUCTURAL                   |
| BTWN          | BETWEEN                    | HT      | HEIGHT                              |
| BU            | BUILT UP                   | ID      | INSIDE DIAMETER                     |
| BYND          | BEYOND                     | IJ      | 1 SHAPED WOOD BUILT UP TRUSS        |
| CA            | CALIFORNIA                 | INT     | INTERIOR                            |
| CANT          | CANTILEVER                 | JST     | JOIST                               |
| CB            | CARRIAGE BOLT              | JT      | JOINT                               |
| CFS           | COLD FORMED STEEL          | KP      | KING POST                           |
| CG            | CAST IN PLACE              | LA      | LAG                                 |
| CSL           | CERTIFIED SLUED LUMBER     | LB      | LB or #                             |
| CJ            | CONTROL JOINT              | LGMC    | LIGHT GAGE METAL FRAMING CONTRACTOR |
| CP            | COMPLETE JOINT PENETRATION | LL      | LIVE LOAD                           |
| CLG           | CEILING                    | LLH     | LONG LEG HORIZONTAL                 |
| CLR           | CLEAR                      | LLV     | LONG LEG VERTICAL                   |
| COL           | COLUMN                     | LOC     | LOCATION                            |
| CONN          | CONNECTION                 | LS      | LAG SCREW                           |
| CONN          | CONTINUOUS                 | LSL     | LAMINATED STRAND LUMBER             |
| COORD         | COORDINATE                 | LVL     | LAMINATED VENEER LUMBER             |
| COORD         | COORDINATION               | LWC     | LIGHT WEIGHT CONCRETE               |
| CMU           | CONCRETE MASONRY UNIT      | MB      | MACHINE BOLT                        |
| CSK           | COUNTERSINK                | MEM     | METAL BUILDING MEMBER               |
| CUT           | CUT WASHERS                | MFR     | MANUFACTURER                        |
| DBA           | DEFORMED BAR ANCHOR        | MECH    | MECHANICAL                          |
| DBL           | DOUBLE                     | MECH    | MECHANICAL                          |
| DCW           | DEMAND CRITICAL WELD       | MEZ     | MEZZANINE                           |
| DF            | DEFORMED AS PER            | MF      | MOMENT FRAME                        |
| DIA or Ø      | DIAMETER                   | MFR     | MANUFACTURER                        |
| DIAG          | DIAGONAL                   | MIN     | MINIMUM                             |
| DM            | DIMENSION                  | MISC    | MISCELLANEOUS                       |
| DIST          | DISTANCE                   | MISC    | MISCELLANEOUS                       |
| DJ            | DIAGONAL JOINT             | MTL     | METAL                               |
| DL            | DEAD LOAD                  | MU      | METAL UNIT                          |
| DN            | DOWN                       | N       | NEW                                 |
| DN            | DOWEL                      | NA      | NOT APPLICABLE                      |
| DWG           | DRAWING                    | NO or # | NUMBER                              |
| DWL           | DOWEL                      | EA      | EACH END                            |
| EACH          | EACH                       | NSG     | NON-SHRINK GROUT                    |
| EACH          | EACH END                   | NTS     | NOT TO SCALE                        |
| EE            | ELECTRICAL                 | NWC     | NORMAL-WEIGHT CONCRETE              |
| ELEC          | ELECTRICAL                 | OV      | OVER                                |
| ELV           | ELEVATION                  | ON      | ON CENTER                           |
| EMBED         | EMBEDMENT                  | OD      | OUTSIDE DIAMETER                    |
| EQU           | EQUAL                      | OP      | OPPOSITE                            |
| EQUIP         | EQUIPMENT                  | OPNG    | OPENING                             |
| EW            | EACH WAY                   | OPRS    | OPPOSITE                            |
| EXP           | EXPANSION                  | OV      | OVERSIZED                           |
| EXT           | EXTERIOR                   | OWT     | OPEN WEB TRUSS                      |
| EXT           | EXTERIOR                   | PA      | PLATE or PROPERTY LINE              |
| FIN           | FINISH GRADE               | PAF     | POST ABOVE                          |
| FLR           | FLOOR                      | PAF     | POWER ACTUATED FASTENERS            |
| FN            | FACE NAIL                  | PEN     | PANEL EDGE NAIL                     |
| FPC           | FACE OF CONCRETE           | PER     | PERPENDICULAR                       |
| FOM           | FACE OF MASONRY            | PES     | PANEL EDGE SCREWS                   |
| FOS           | FACE OF STUD               | PFP     | PARTIAL JOINT PENETRATION           |
| FRMG          | FRAMING                    | PLF     | POUNDS PER LINEAR FOOT              |
| FS            | FACE SIDE                  |         |                                     |

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PERMIT DRAWINGS - NOT FOR CONSTRUCTION

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

DESCRIPTION  
**GENERAL NOTES AND SPECIFICATIONS**

JOB NO. 21479  
 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

**S001**

**C SHEAR WALL NOTES**

- PEN = PLYWOOD/OSB SHEATHING EDGE NAILING. BLOCK ALL UNSUPPORTED EDGES WITH 2x MATERIAL UNO. BLOCK EDGES WITH 3x MATERIAL WHERE NAILING IS 4"oc OR LESS. SEE 11/S103 FOR NAIL STAGGER AT ALL 3x.
- FIELD NAILING TO BE 12"oc UNO.
- ALL SHEATHING NAILS TO BE COMMON WIRE. SEE E9001 AND SPECIFICATIONS FOR OTHER NAIL REQUIREMENTS.
- ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS ON PLANS TO HAVE SHEATHING AND PEN NAILING PER SHEAR WALL TYPE 'A'.
- SHEAR WALL LENGTHS, WHERE NOTED, ARE MINIMUM. DO NOT LOCATE HOLDDOWNS FROM THESE DIMENSIONS. SAD FOR ACTUAL WALL LENGTHS.
- HOLDOWN REFERS TO SIMPSON STRONG TIE CO. HOLDDOWNS. INSTALL HOLDDOWNS AND REQUIRED POSTS PER 8/S103 AND 9/S103. SEE PLANS FOR OTHER REQUIREMENTS.
- EDGE NAIL WALL SHEATHING TO STUDS OR POSTS WITH HOLDDOWNS.
- PORTIONS OF INTERIOR WALL SURFACES ADJACENT TO SPECIFIED SHEAR WALLS SHALL BE SHEATHED FOR THE FULL, UNINTERRUPTED LENGTH TO MATCH EXTERIOR WALLS OR WITH GYPSUM BOARD OF THE SAME THICKNESS TO PROVIDE AN EVEN WALL SURFACE FOR FINISH MATERIALS.
- SHEAR WALLS MORE THAN ONE VERTICAL PANEL IN HEIGHT SHALL HAVE STAGGERED HORIZONTAL OR VERTICAL SPLICE JOINTS.
- WHERE PANELS ARE APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6"oc ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3x OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.
- ANCHOR BOLTS (AB) FOR SHEAR WALLS SHALL INCLUDE STEEL PLATE WASHERS, A MINIMUM OF 0.229 INCH BY 3 INCHES SQUARE IN SIZE, BETWEEN THE SILL PLATE AND NUT. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/4" LARGER THAN THE AB DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1 1/4", PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. PLATE WASHER TO EXTEND WITHIN 1/2" OF SHEAR WALL SHEATHING UNO. PROVIDE OVERSIZED PLATE WASHER OR OFFSET AB AS REQUIRED. AT DOUBLE-SIDED SHEAR WALLS, STAGGER AB AS REQUIRED. AB TO BE PLACED A MINIMUM OF 4 1/2" AND A MAXIMUM OF 12" FROM ENDS OF ALL SILL PLATES AND AT NOTCHES IN SILL PLATES.
- NO OPENINGS ARE ALLOWED IN SHEAR WALLS UNLESS SHOWN ON THE STRUCTURAL PLANS. OPENINGS NOTED ARE PER 6/S103. COORDINATE ANY OPENINGS NOT SHOWN WITH THE STRUCTURAL ENGINEER.

**ADMINISTRATIVE REQUIREMENTS FOR ESSENTIAL SERVICE FACILITIES**

THE ADMINISTRATIVE REQUIREMENTS SHALL BE MET IN ACCORDANCE WITH THE CALIFORNIA ADMINISTRATIVE CODE (CAC) CHAPTER 4, ARTICLES 1, AND 3 FOR NON-STATE OWNED OR STATE LEASED ESSENTIAL SERVICES BUILDINGS.

- APPROVED PLANS AND SPECIFICATIONS PER CAC SECTION 4-207 - APPROVED PLANS AND SPECIFICATIONS SHALL MEAN, PLANS, SPECIFICATIONS, ADDENDA AND CHANGE ORDERS WHICH HAVE BEEN DULY APPROVED BY THE APPLICABLE ENFORCEMENT AGENCY PURSUANT TO SECTIONS 16013 AND 16016 OF THE HEALTH AND SAFETY CODE AND WHICH ARE IDENTIFIED BY A STAMP BEARING THE NAME OF THE ENFORCEMENT AGENCY, THE IDENTIFICATION NUMBER, THE DATE AND SIGNATURE OF THE QUALIFIED REVIEWER AS REQUIRED IN SECTION 16011 OF THE ESSENTIAL SERVICES BUILDING SEISMIC SAFETY ACT OF 1986 (ACT).
- OBSERVATIONS OF WORK PER CAC SECTION 4-211 (a) - THE OBSERVATION OF WORK OF CONSTRUCTION, RECONSTRUCTION, ALTERATION OR ADDITION SHALL BE UNDER THE GENERAL RESPONSIBLE CHARGE OF THE ARCHITECT, STRUCTURAL ENGINEER, CIVIL ENGINEER OR, UNDER CERTAIN CONDITIONS, A REGISTERED MECHANICAL OR ELECTRICAL ENGINEER FOR WORK INVOLVING ONLY THOSE RESPECTIVE BRANCHES OF ENGINEERING. A GEOTECHNICAL ENGINEER SHALL PROVIDE THE OBSERVATIONS FOR PLACEMENT OF FILLS AND SHALL SUBMIT A VERIFIED REPORT ATTESTING TO THE COMPLIANCE OF THE ENGINEERED FILL.
- PROJECT INSPECTOR PER CAC SECTION 4-211 (b) - THE OWNER MUST PROVIDE FOR AND REQUIRE COMPETENT, ADEQUATE AND CONTINUOUS INSPECTION OF ALL CONSTRUCTION WORK BY A PROJECT INSPECTOR APPROVED FOR EACH INDIVIDUAL PROJECT BY THE ENFORCEMENT AGENCY.
- SPECIAL INSPECTION PER CAC SECTION 4-211 (c) - SPECIAL INSPECTION BY INSPECTORS SPECIALLY APPROVED BY THE ENFORCEMENT AGENCY MAY BE REQUIRED PER THE STATEMENT OF SPECIAL INSPECTION FORM AND AS SUMMARIZED PER D/S0.1.
- SUPERVISION OF CONSTRUCTION BY THE ENFORCEMENT AGENCY PER CAC SECTION 4-212 - DURING THE CONSTRUCTION, RECONSTRUCTION, REPAIR, ALTERATION OF OR ADDITION TO ANY ESSENTIAL SERVICES BUILDING, THE ENFORCEMENT AGENCY AS PROVIDED IN THE ACT SHALL MAKE SUCH SITE VISITS AND OBSERVATIONS AS IN ITS JUDGMENT IS NECESSARY OR PROPER FOR ENFORCEMENT OF THE ACT AND THE PROTECTION OF THE SAFETY OF THE OCCUPANT OF THE BUILDING AND THE PUBLIC.
- TESTING PER CAC SECTION 4-213 (a) - GENERAL. TESTS OF MATERIALS ARE REQUIRED AS SET FORTH IN THE APPROVED PLANS AND SPECIFICATIONS AND IN PART 2, TITLE 24, CCR AND D/S0.1. A LIST OF ALL REQUIRED TESTS OF MATERIALS AND OF ALL REQUIRED SPECIAL INSPECTIONS SHALL BE PREPARED AND SUBMITTED BY THE ARCHITECT, STRUCTURAL ENGINEER, OR CIVIL ENGINEER IN GENERAL RESPONSIBLE CHARGE OF THE PROJECT AT THE TIME THE PLANS AND SPECIFICATIONS ARE STAMPED FOR IDENTIFICATION BY THE ENFORCEMENT AGENCY.
- VERIFIED REPORTS PER CAC SECTION 4-214 - ALL PARTIES DEFINED IN SECTION 4-214 SHALL SUBMIT VERIFIED REPORTS TO THE ENFORCEMENT AGENCY. THESE REPORTS SHALL STATE THAT THE WORK DURING THE PERIOD COVERED BY THE REPORT HAS BEEN PERFORMED AND MATERIALS HAVE BEEN USED AND INSTALLED IN EVERY MATERIAL RESPECT IN COMPLIANCE WITH THE DULY APPROVED PLANS AND SPECIFICATIONS.
- CHANGES IN THE APPROVED PLANS AND SPECIFICATIONS PER CAC SECTION 4-215 - ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS EXCEPT WHERE DOCUMENTS AUTHORIZING CHANGES HAVE BEEN SUBMITTED BY THE RESPONSIBLE ARCHITECT OR REGISTERED ENGINEER TO THE ENFORCEMENT AGENCY FOR REVIEW AND APPROVAL. THESE DOCUMENTS SHALL DESCRIBE THE AUTHORIZED CHANGES, SHOW THE INCREASE OR DECREASE IN THE CONTRACT COST INVOLVED AND SHALL CONTAIN THE SIGNATURES OF THE RESPONSIBLE ARCHITECT OR REGISTERED ENGINEER AND THE OWNER AND SHALL BEAR THE APPROVAL STAMP OF THE ENFORCEMENT AGENCY.
- FINAL CERTIFICATION OF COMPLIANCE PER CAC SECTION 4-216 - THE CERTIFICATION OF COMPLIANCE FOR THE ESSENTIAL SERVICES BUILDING SHALL BE ISSUED BY THE ENFORCEMENT AGENCY WHEN THE PROJECT HAS BEEN COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS AS TO SAFETY OF DESIGN AND CONSTRUCTION WITH SECTION 16000-16023 OF THE HEALTH AND SAFETY CODE (ESSENTIAL SERVICES BUILDING SEISMIC SAFETY ACT) AND WITH THE REQUIREMENTS OF THE CAC. THE CERTIFICATION OF COMPLIANCE WILL BE EVIDENCED BY A LETTER OR A CERTIFICATE OF OCCUPANCY EACH OF WHICH SHALL CONTAIN A STATEMENT THAT THE BUILDING DESIGN AND REVIEW OF THE WORK OF CONSTRUCTION HAVE BEEN COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 16000 THROUGH 16023 OF THE HEALTH AND SAFETY CODE AND OF PART 1, TITLE 24, CCR. THE CERTIFICATE OF COMPLIANCE WILL BE DIRECTED TO THE OWNER OF THE ESSENTIAL SERVICES BUILDING.
- DUTIES PER CAC 4-217 THROUGH 4-220 - EACH PARTY, AS DEFINED IN THESE SECTIONS, SHALL COMPLY WITH THE DUTIES STATED IN EACH SECTION.

**A MATERIAL DATA**

(INFORMATION SHOWN IS FOR STRUCTURAL DESIGN REFERENCE ONLY. SEE THE PROJECT SPECIFICATIONS FOR ALL MATERIAL SPECIFICATIONS.)

CONCRETE 28-DAY MINIMUM DESIGN STRENGTH:  
 F<sub>c</sub>' = 3,000 PSI FOUNDATIONS  
 F<sub>c</sub>' = 3,000 PSI DRILLED PIERS  
 F<sub>c</sub>' = 3,000 PSI INTERIOR SLAB ON GRADE

REINFORCING STEEL:  
 ASTM A615 GRADE 60 OR A706 GRADE 60 (F<sub>y</sub> = 60,000 PSI)

STRUCTURAL STEEL (UNO):  
 W SHAPES - ASTM A992 (F<sub>y</sub> = 50,000 PSI)  
 ANGLES, CHANNELS, AND PLATES - ASTM A36 (F<sub>y</sub> = 36,000 PSI)  
 RECTANGULAR HSS - ASTM A500 GRADE C (F<sub>y</sub> = 50,000 PSI)  
 ROUND HSS - ASTM A500 GRADE C (F<sub>y</sub> = 46,000 PSI)  
 PIPES - ASTM A53 GRADE B (F<sub>y</sub> = 35,000 PSI)

FASTENERS:  
 MACHINE BOLTS SHALL BE ASTM A307 GRADE A  
 HIGH STRENGTH BOLTS SHALL BE ASTM F3125 GRADE A325 OR F1852 UNO  
 ANCHOR RODS SHALL BE ASTM F1554 GR 36 UNO  
 ARC-WELDING ELECTRODES SHALL BE E70

WOOD BASE DESIGN STRESSES (UNO):

| SAWN LUMBER MEMBER | SPECIES AND MINIMUM GRADE, UNO | F <sub>b</sub> (PSI) | F <sub>v</sub> (PSI) | E (PSI)             |
|--------------------|--------------------------------|----------------------|----------------------|---------------------|
| 6x POSTS           | DOUGLAS FIR - #1               | 1200                 | 170                  | 1.6x10 <sup>6</sup> |
| 6x BEAMS           | DOUGLAS FIR - #1               | 1350                 | 170                  | 1.6x10 <sup>6</sup> |
| 4x POSTS & BEAMS   | DOUGLAS FIR - #1               | 1000                 | 180                  | 1.7x10 <sup>6</sup> |
| 2x JOISTS, RAFTERS | DOUGLAS FIR - #2               | 900                  | 180                  | 1.6x10 <sup>6</sup> |
| ⌘ MATERIAL         | DOUGLAS FIR - #2               | 900                  | 180                  | 1.6x10 <sup>6</sup> |
| 2x STUDS           | DOUGLAS FIR - #2               | 900                  | 180                  | 1.6x10 <sup>6</sup> |

GLUE-LAMINATED WOOD DESIGN STRESSES:  
 F<sub>b</sub>' = 2,400 PSI, F<sub>v</sub>' = 265 PSI FOR SIMPLE SPAN BEAMS.

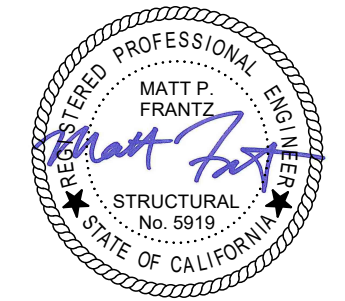
MANUFACTURED WOOD PRODUCTS:  
 LVL (JOISTS) F<sub>b</sub>' = 2,600 PSI E = 2.0x10<sup>6</sup> PSI  
 LSL (BLOCKING, LEDGERS) F<sub>b</sub>' = 1,700 PSI E = 1.3x10<sup>6</sup> PSI  
 PSL (BEAMS, JOISTS) F<sub>b</sub>' = 2,900 PSI E = 2.2x10<sup>6</sup> PSI  
 PSL (POSTS) F<sub>b</sub>' = 2,500 PSI E = 1.8x10<sup>6</sup> PSI (PARALLEL)

FOR METAL CONNECTOR DESIGNATION REFER TO SIMPSON STRONG-TIE PER SPECIFICATIONS.

**B EXISTING CONSTRUCTION NOTES**

- IN PREPARING THE PROJECT PLANS, THE SOURCE OF INFORMATION WAS BASED ON THE EXISTING BUILDING PLANS PREPARED BY JEFFRIES LYONS AND HILL ARCHITECTS, DATED SEPTEMBER 19, 1969. THE CONTRACTOR SHALL VERIFY ALL EXISTING JOB CONDITIONS, REVIEW THE PLANS AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ALL DISCREPANCIES AND EXCEPTIONS BEFORE PROCEEDING WITH ANY WORK. DRAWINGS FOR THE EXISTING CONSTRUCTION ARE AVAILABLE FOR REVIEW.
- ALL WORK NOT INDICATED AS EXISTING (E) SHALL BE ASSUMED TO BE NEW (N).
- ANY REMOVAL, CUTTING, DRILLING, ETC OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE. SMALL TOOLS SHALL BE USED IN ORDER NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE STRUCTURE. IF STRUCTURAL MEMBERS OR MECHANICAL, ELECTRICAL, OR ARCHITECTURAL ELEMENTS NOT INDICATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT/ENGINEER SHALL BE IMMEDIATELY NOTIFIED AND PRIOR APPROVAL SHALL BE OBTAINED BEFORE REMOVAL OF THE MEMBERS.
- DO NOT OVER CUT EXISTING WOOD, CONCRETE, MASONRY OR OTHER WORK TO REMAIN. CUTS SHALL BE MADE NEATLY TO A CORNER. THEN ALTERNATE MEANS SHALL BE USED TO REMOVE REMAINING MATERIAL. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF OVER CUT MATERIAL AS DIRECTED BY THE ARCHITECT AND/OR ENGINEER.
- EXISTING DAMAGED STRUCTURAL MEMBERS WHICH ARE UNCOVERED SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND REPAIR.
- EXISTING CONCRETE SURFACE ABUTTING NEW CONCRETE SHALL BE ROUGHENED TO 1/4" AMPLITUDE AND THOROUGHLY CLEANED OF DUST, LOOSE AGGREGATE, LAITANCE, ETC.
- EXISTING REINFORCING AND/OR STEEL EMBEDS THAT ARE EXPOSED DURING DEMOLITION SHALL BE WIRE-BRUSHED AND FOREIGN MATERIAL REMOVED PRIOR TO PLACEMENT OF NEW CONCRETE.
- REMODELING REQUIRES ASSUMPTIONS BE MADE REGARDING EXISTING CONDITIONS WHICH MAY NOT BE VERIFIABLE WITHOUT DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF THE STRUCTURE. THIS ANALYSIS DOES NOT MAKE ANY GUARANTEE TO THE ADEQUACY OF THE STRUCTURAL DESIGN OF THE EXISTING BUILDING NOT SPECIFICALLY ADDRESSED IN THE STRUCTURAL CALCULATIONS. ZFA SHALL NOT BE RESPONSIBLE FOR UNSATISFACTORY PERFORMANCE OF EXISTING PORTIONS OF THE STRUCTURE NOT SPECIFICALLY ADDRESSED IN THE CONSTRUCTION DOCUMENTS.
- DIFFERENTIAL SETTLEMENT BETWEEN NEW AND EXISTING CONSTRUCTION AT REMODEL OR ADDITION FOUNDATION INTERFACES CAN BE EXPECTED. ZFA SHALL NOT BE RESPONSIBLE FOR UNSATISFACTORY PERFORMANCE RESULTING FROM THESE CONDITIONS.

STAMP



PROJECT ADDRESS

**217 ARLINGTON AVE.  
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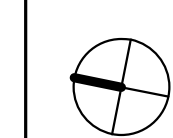
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

JOB NO.

21479 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION

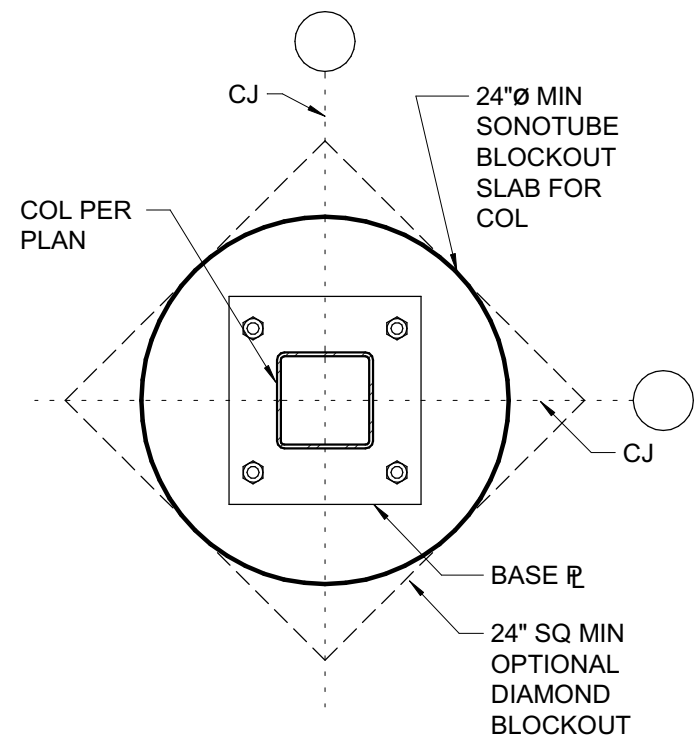
**GENERAL NOTES AND SPECIFICATIONS**



**S002**

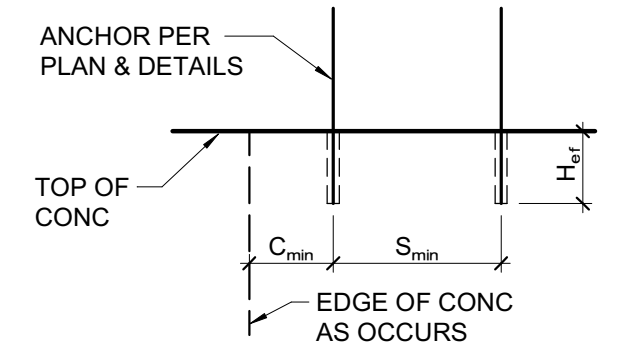
PERMIT DRAWINGS - NOT FOR CONSTRUCTION





14 SLAB BLOCKOUT  
1" = 1'-0"

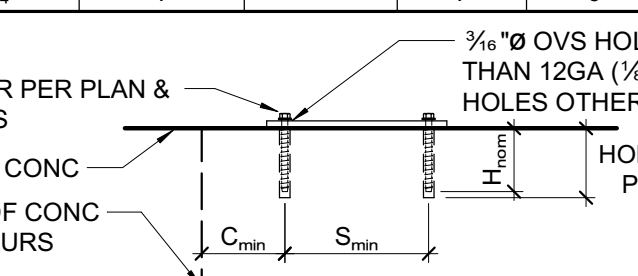
| ADHESIVE ANCHOR IN 2500 PSI MIN CONCRETE |          |       |            |                             |                                    |                           |                                 |
|--|----------|-------|------------|-----------------------------|------------------------------------|---------------------------|---------------------------------|
| ADHESIVE TYPE                            | ANCHOR   |       | PILOT HOLE | MIN EMB UNO H <sub>er</sub> | MIN EDGE DISTANCE C <sub>min</sub> | MIN SPCG S <sub>min</sub> | MIN CONC DEPTH H <sub>min</sub> |
|  | THRD ROD | REBAR |            |                             |                                    |                           |                                 |
| SIMPSON SET-XP (ICC-ESR 2508)            | 3/8"     | #3    | 3/8"       | 3"                          | 1 3/4"                             | 3"                        | H <sub>er</sub> + 2 1/2"        |
|  | 1/2"     | #4    | 3/8"       | 4"                          | 1 3/4"                             | 3"                        | H <sub>er</sub> + 3 1/4"        |
|  | 3/4"     | #5    | 3/8"       | 5"                          | 1 3/4"                             | 3"                        | H <sub>er</sub> + 3 3/4"        |
|  | 3/4"     | #6    | 3/8"       | 6"                          | 1 3/4"                             | 3"                        | H <sub>er</sub> + 4 3/4"        |
|  | 1"       | #7    | 1"         | 7"                          | 1 3/4"                             | 3"                        | H <sub>er</sub> + 4"            |
|  | 1"       | #8    | 1 1/8"     | 8"                          | 1 3/4"                             | 3"                        | H <sub>er</sub> + 5 3/4"        |
|  | 1 1/8"   | #10   | 1 3/8"     | 10"                         | 2 3/4"                             | 6"                        | H <sub>er</sub> + 6 1/2"        |
|  | 3/8"     | N/A   | 3/8"       | 3"                          | 1 3/4"                             | 1 1/2"                    | H <sub>er</sub> + 1 1/4"        |
|  | N/A      | #3    | 3/8"       | 3"                          | 1 3/4"                             | 1 1/2"                    | H <sub>er</sub> + 1 1/4"        |
|  | 3/8"     | N/A   | 3/8"       | 4"                          | 1 3/4"                             | 2 1/4"                    | H <sub>er</sub> + 1 1/4"        |
| HILTI HIT-HY 200R (ICC-ESR 3187)         | N/A      | #4    | 3/8"       | 4"                          | 1 3/4"                             | 2 1/2"                    | H <sub>er</sub> + 1 1/4"        |
|  | 3/8"     | #5    | 3/8"       | 5"                          | 1 3/4"                             | 3 3/8"                    | H <sub>er</sub> + 1 1/4"        |
|  | 3/8"     | #6    | 3/8"       | 6"                          | 1 3/4"                             | 3 3/4"                    | H <sub>er</sub> + 1 1/4"        |
|  | 3/8"     | #7    | 1"         | 7"                          | 1 3/4"                             | 4 3/8"                    | H <sub>er</sub> + 2"            |
|  | 1"       | #8    | 1 1/8"     | 8"                          | 1 3/4"                             | 5"                        | H <sub>er</sub> + 2 1/4"        |
|  | N/A      | #9    | 1 3/8"     | 9"                          | 1 3/4"                             | 5 3/4"                    | H <sub>er</sub> + 2 3/4"        |
|  | 1 1/8"   | N/A   | 1 3/8"     | 10"                         | 1 3/4"                             | 6 1/4"                    | H <sub>er</sub> + 2 3/4"        |
|  | N/A      | #10   | 1 1/8"     | 10"                         | 1 3/4"                             | 6 1/4"                    | H <sub>er</sub> + 3"            |



- NOTES:**
- INSTALL ADHESIVE ANCHORS PER MANUFACTURER'S INFORMATION AND ICC REPORT.
  - CONTRACTOR TO VERIFY MINIMUM EDGE DISTANCES, SPACING AND THICKNESS ARE IN ACCORDANCE W/ SCHEDULE PRIOR TO INSTALLING ANCHOR.
  - HOLES TO BE DRILLED W/ ROTARY DRILL ONLY. WHEN DRILLING HOLES IN EXISTING CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A REASONABLE CLEARANCE BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR. FILL ABANDONED HOLES W/ HIGH STRENGTH GROUT.
  - SPECIAL INSPECTION IS REQUIRED PER SECTION 1705 AND THE REQUIREMENTS OF THE ICC REPORTS. THE SPECIAL INSPECTOR SHALL PERFORM PERIODIC/CONTINUOUS INSPECTION IN ACCORDANCE WITH TABLE 1705.3. THE SPECIAL INSPECTOR SHALL INSPECT ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE CLEANLINESS, EMBEDMENT DEPTH, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, DRILL BIT DIAMETER, HOLE DEPTH, EDGE DISTANCE(S), ANCHOR SPACING(S), CONCRETE THICKNESS, AND ADHESIVE INJECTION.

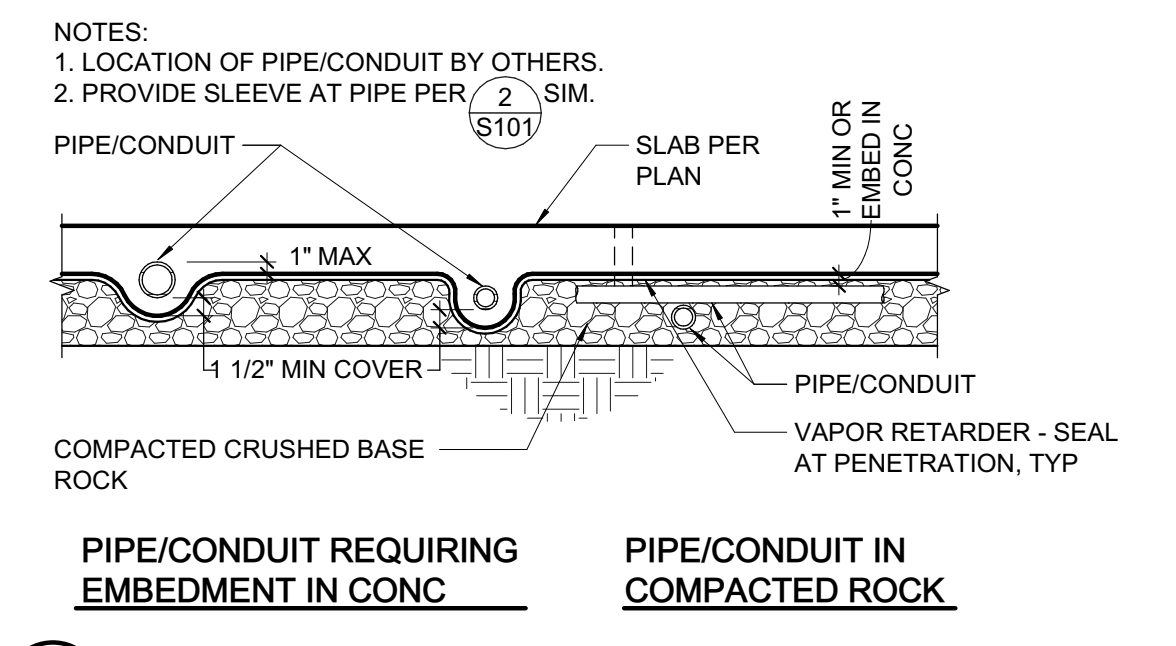
12 ADHESIVE ANCHOR IN CONCRETE  
3/4" = 1'-0"

| SCREW ANCHOR IN 2500 PSI MIN CONCRETE |                           |                                    |                                    |                               |   |                                |                                |
|---------------------------------------|---------------------------|------------------------------------|------------------------------------|-------------------------------|---|--------------------------------|--------------------------------|
| ANCHOR TYPE                           | ANCHOR AND PILOT HOLE DIA | MINIMUM EMBEDMENT H <sub>min</sub> | MINIMUM EDGE DIST C <sub>min</sub> | MINIMUM SPCG S <sub>min</sub> | MINIMUM CONCRETE THICKNESS H <sub>min</sub> | MINIMUM INSTALL TORQUE (FT-LB) | MAXIMUM INSTALL TORQUE (FT-LB) |
|                                       |                           |                                    |                                    |                               |   |                                |                                |
| 3/8"                                  | 2 1/2"                    | 1 3/4"                             | 3"                                 | 4"                            | 10  | 50                             |                                |
| 1/2"                                  | 3 1/2"                    | 1 3/4"                             | 3"                                 | 5"                            | 10  | 65                             |                                |
| 3/4"                                  | 4"                        | 1 3/4"                             | 3"                                 | 6"                            | 10  | 100                            |                                |
| 3/8"                                  | 5 1/2"                    | 1 3/4"                             | 3"                                 | 8 3/4"                        | 20  | 150                            |                                |
| 1/2"                                  | 1 1/2"                    | 1 1/2"                             | 1 1/2"                             | 3 3/4"                        | 10  | 18                             |                                |
| HILTI KH-EZ (ICC-ESR 3027)            | 3/8"                      | 2 1/2"                             | 1 1/2"                             | 3"                            | 4"  | 10                             | 40                             |
|                                       | 1/2"                      | 3"                                 | 1 3/4"                             | 3"                            | 4 3/4"                                      | 10                             | 45                             |
|                                       | 3/4"                      | 3 3/4"                             | 1 3/4"                             | 4"                            | 5"  | 10                             | 85                             |
|                                       | 3/8"                      | 4"                                 | 1 3/4"                             | 4"                            | 6"  | 20                             | 95                             |

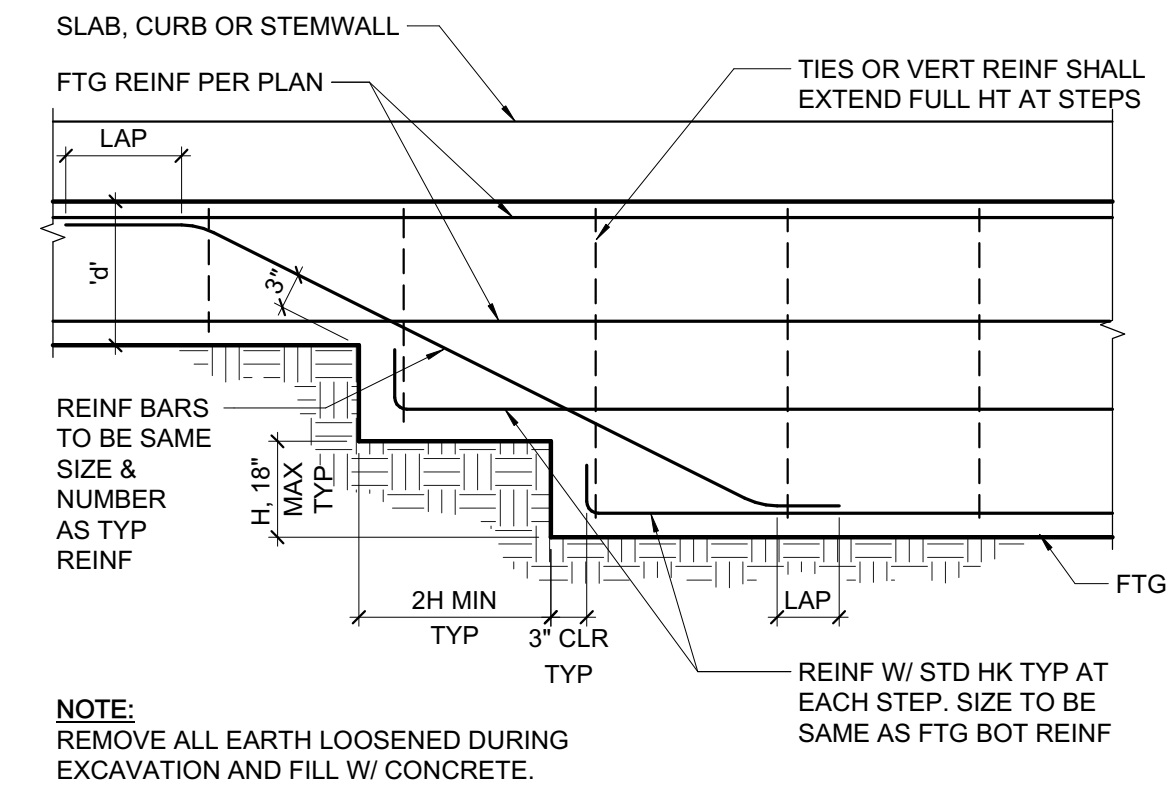


- NOTES:**
- INSTALL SCREW ANCHORS PER MANUFACTURER'S INFORMATION AND ICC REPORT INSTRUCTIONS. SPECIAL INSPECTION IS REQUIRED PER SECTION 1705 OF THE CBC AND THE REQUIREMENTS OF THE ICC REPORTS. INSTALLED ANCHORS SHALL BRING CONNECTED PLIES INTO FIRM CONTACT, MEETING THE INSTALL TORQUE BUT NOT EXCEEDING THE MAXIMUM INSTALL TORQUE.
  - CONTRACTOR TO VERIFY MINIMUM EDGE DISTANCES, SPACING AND THICKNESS ARE IN ACCORDANCE W/ SCHEDULE PRIOR TO INSTALLING ANCHOR.
  - HOLES TO BE DRILLED W/ ROTARY DRILL ONLY. WHEN DRILLING HOLES IN EXISTING REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A REASONABLE CLEARANCE BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR. FILL ABANDONED HOLES W/ HIGH STRENGTH GROUT.
  - THE SPECIAL INSPECTOR SHALL PERFORM PERIODIC/CONTINUOUS INSPECTION IN ACCORDANCE WITH TABLE 1705.3. THE SPECIAL INSPECTOR SHALL INSPECT ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE CLEANLINESS, EMBEDMENT DEPTH, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, DRILL BIT DIAMETER, HOLE DEPTH, EDGE DISTANCE(S), ANCHOR SPACING(S), CONCRETE THICKNESS, AND TIGHTENING TORQUE.

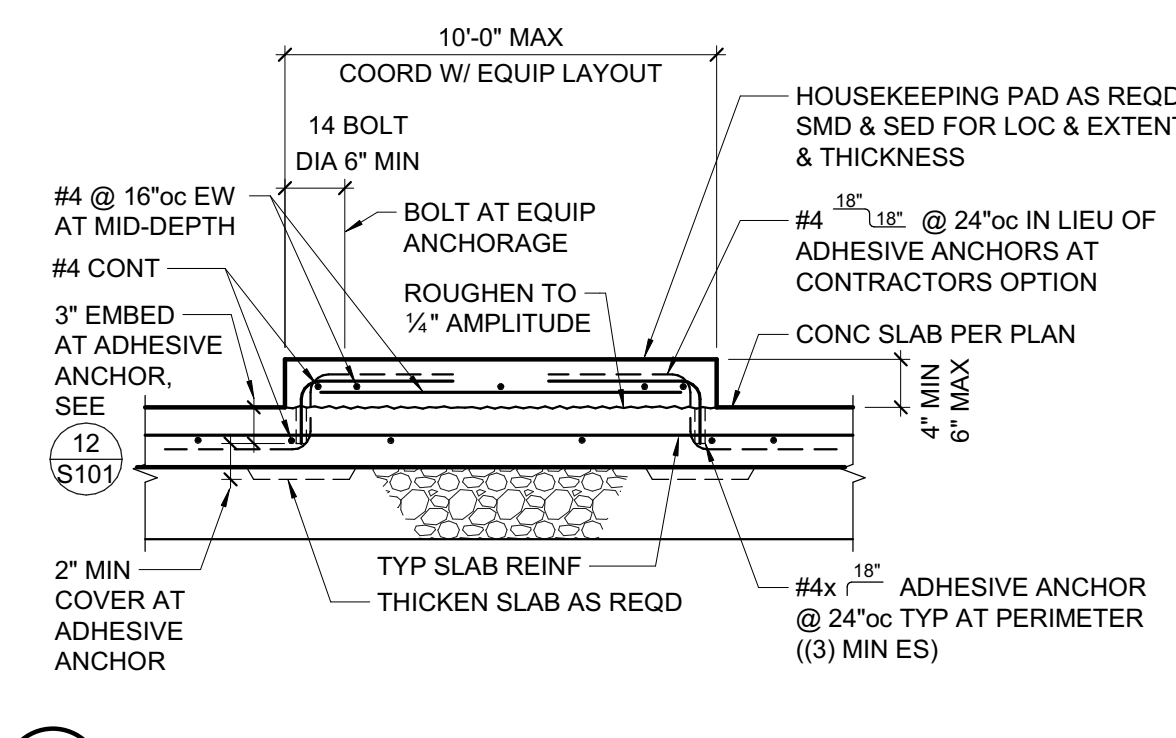
13 SCREW ANCHOR IN CONCRETE  
3/4" = 1'-0"



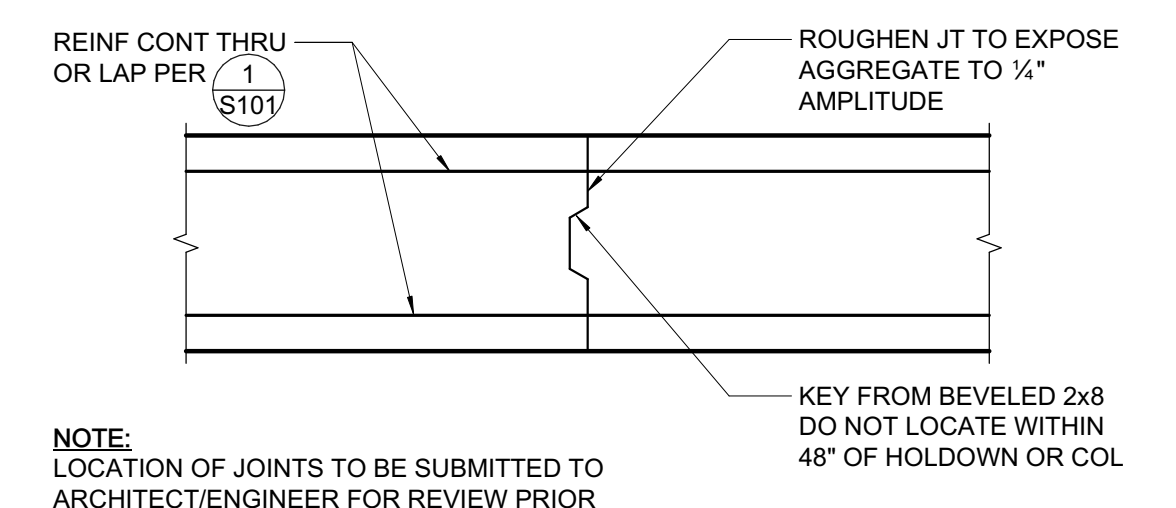
7 CONDUIT & PIPE AT SLAB ON GRADE  
3/4" = 1'-0"



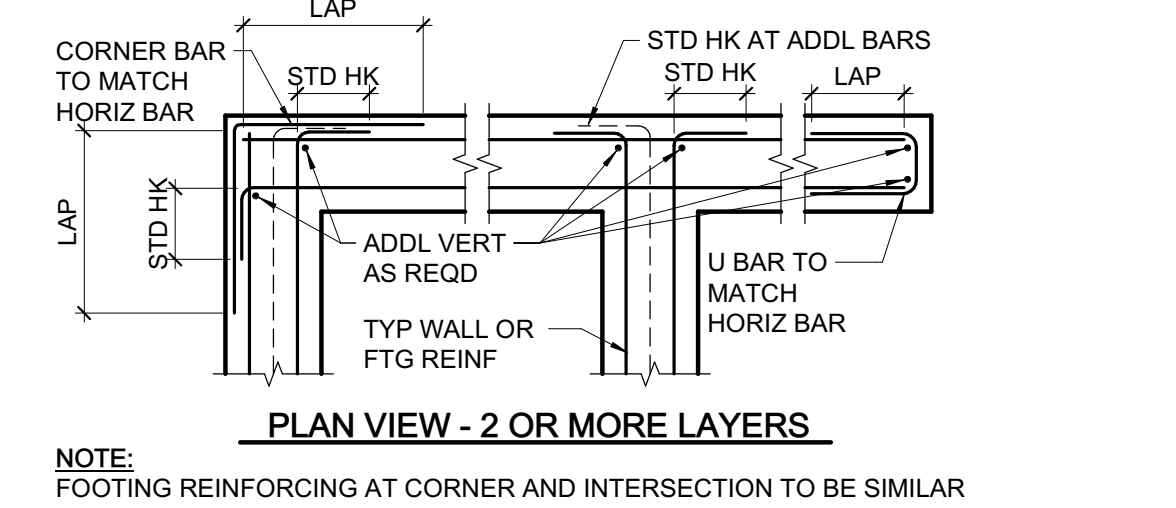
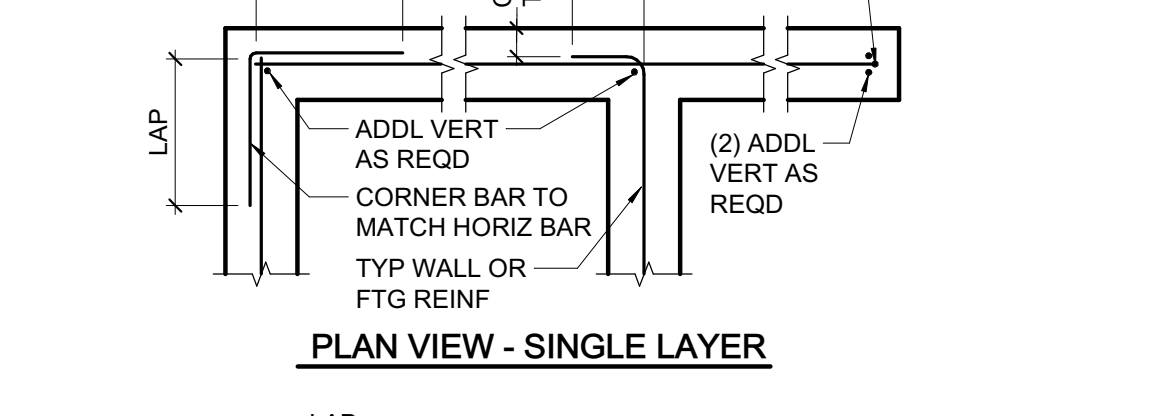
8 STEPPED FOOTING  
3/4" = 1'-0"



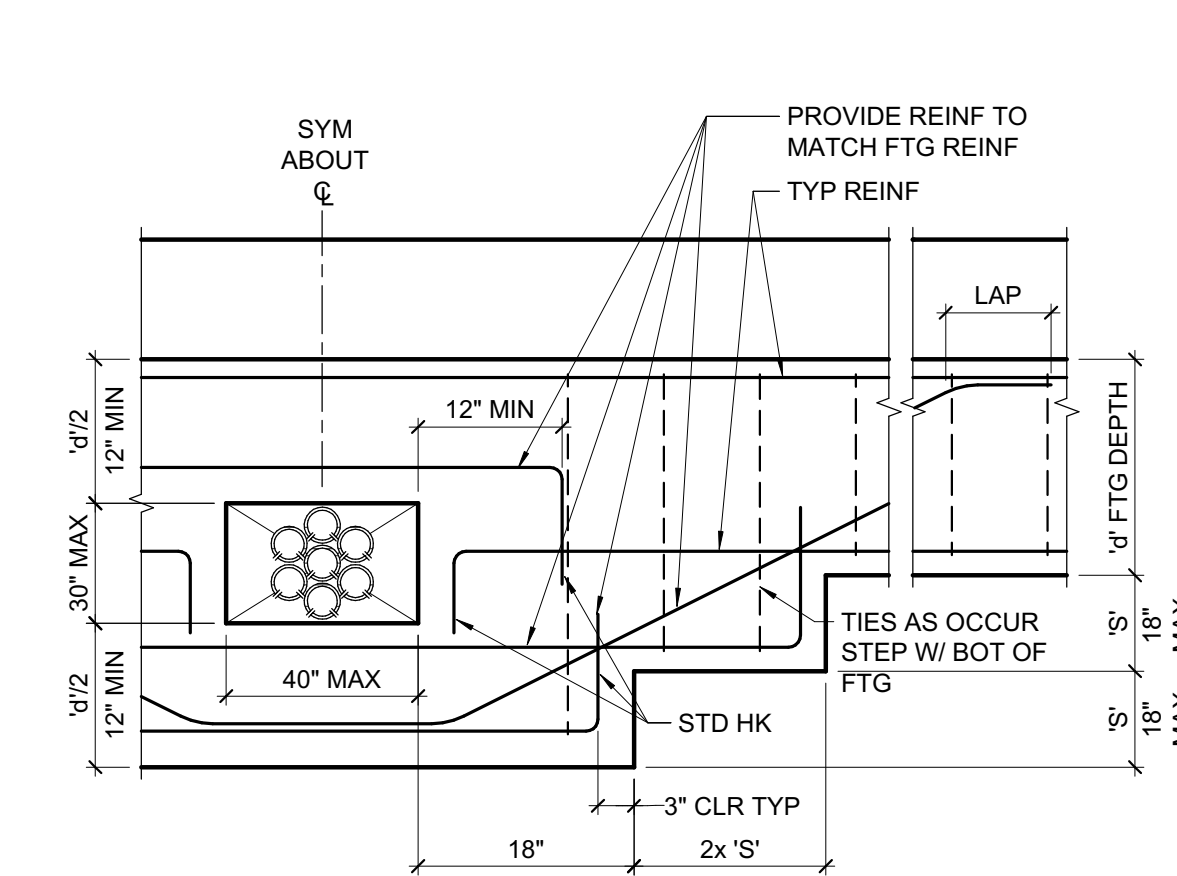
9 TYPICAL HOUSEKEEPING PAD AT SLAB ON GRADE  
3/4" = 1'-0"



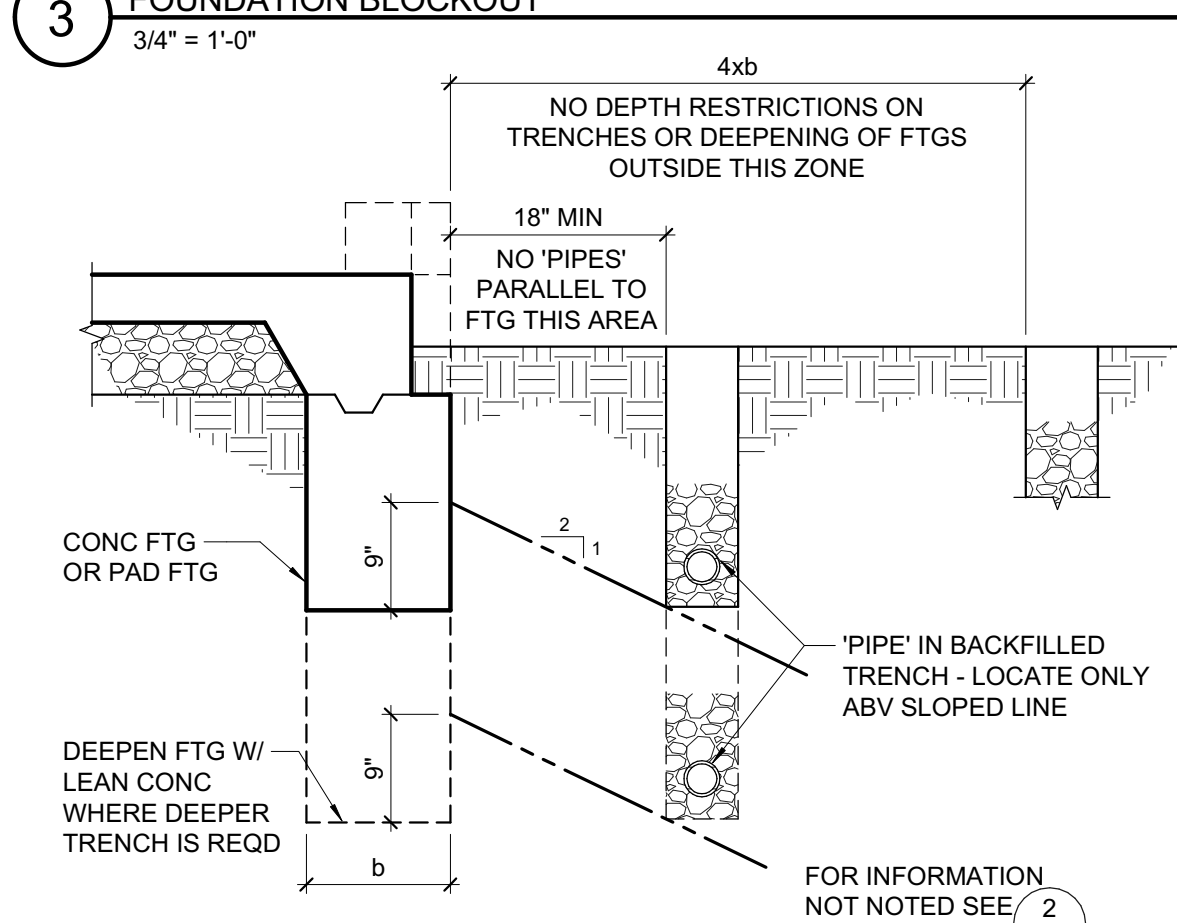
10 FOOTING CONSTRUCTION JOINT  
3/4" = 1'-0"



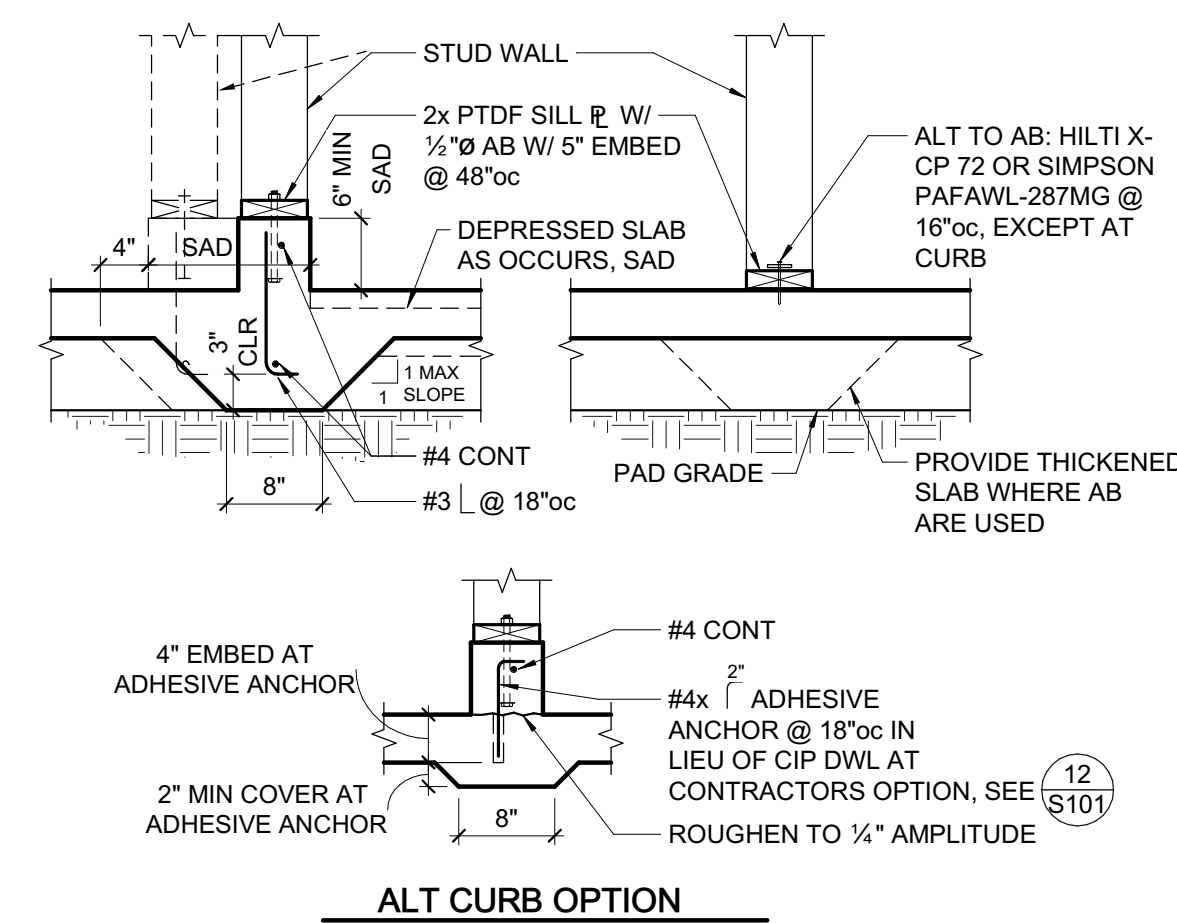
11 TYPICAL CORNER, INTERSECTION AND END REINFORCING  
3/4" = 1'-0"



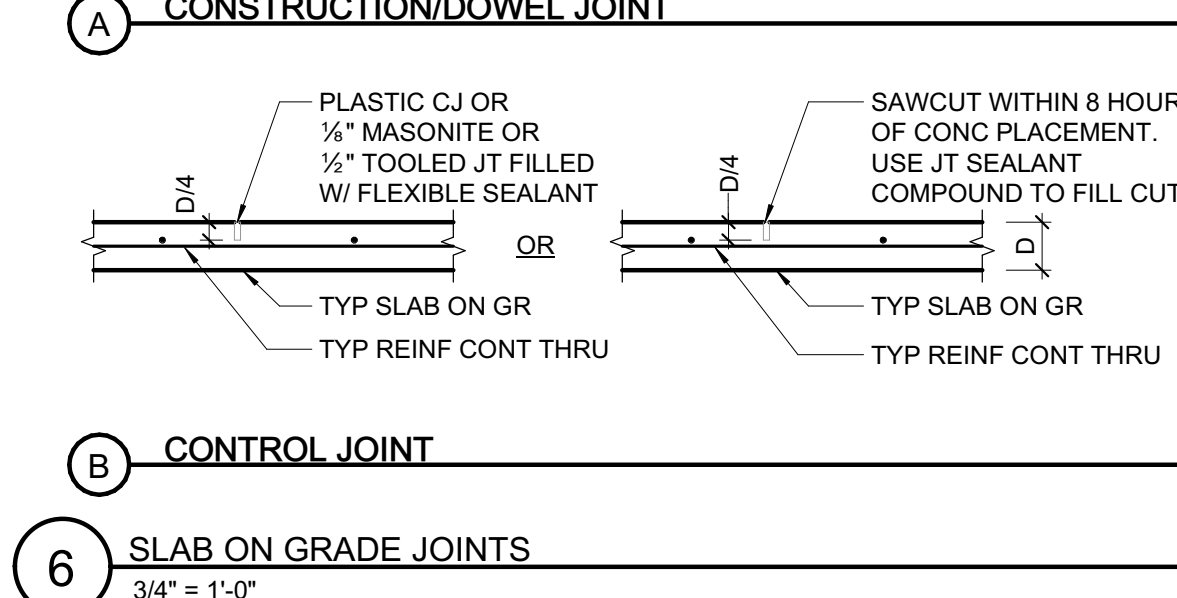
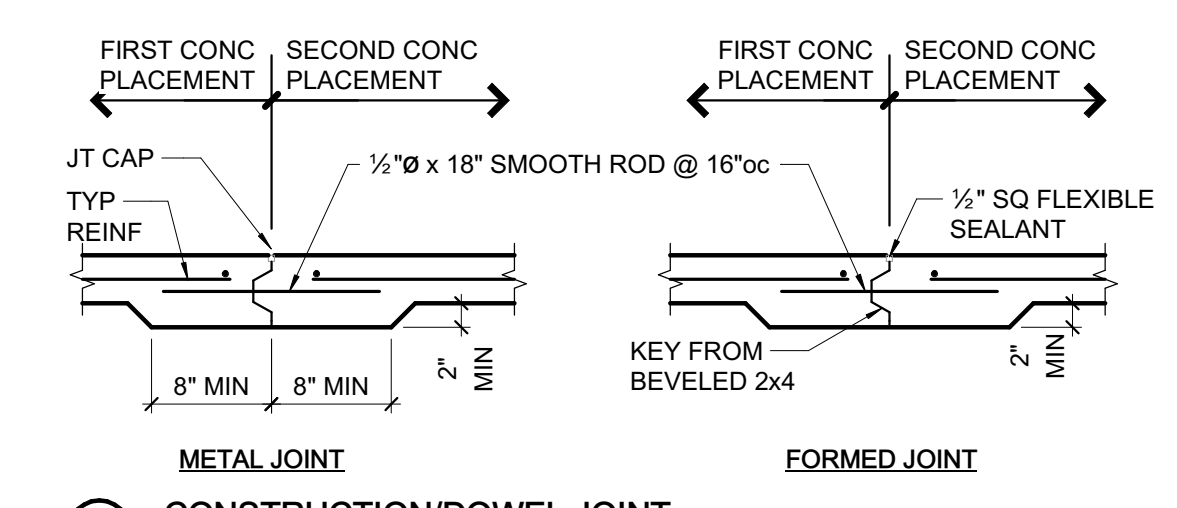
3 FOUNDATION BLOCKOUT  
3/4" = 1'-0"



4 TRENCHING ADJACENT TO FOOTING  
3/4" = 1'-0"



5 NON-BEARING STUD WALL AT SLAB  
3/4" = 1'-0"

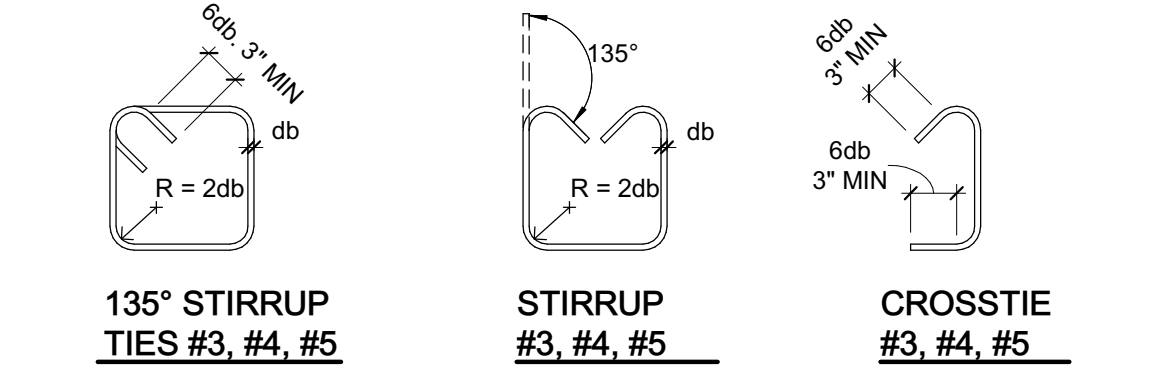
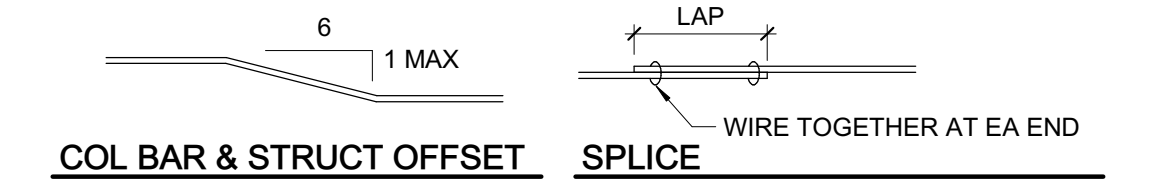
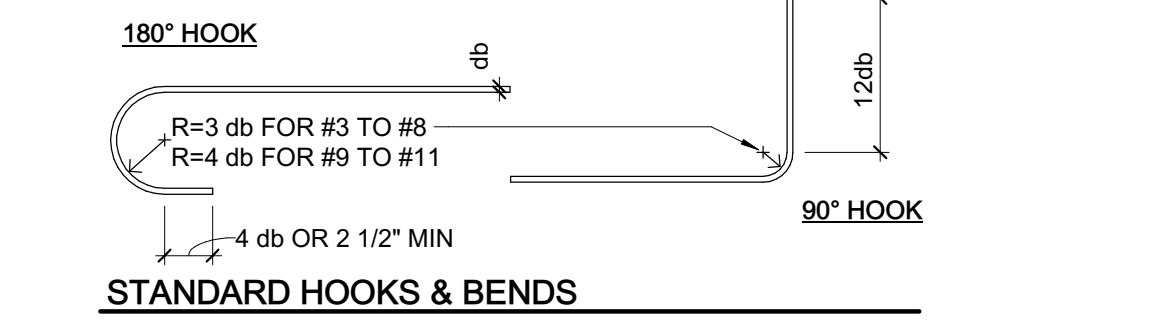


6 SLAB ON GRADE JOINTS  
3/4" = 1'-0"

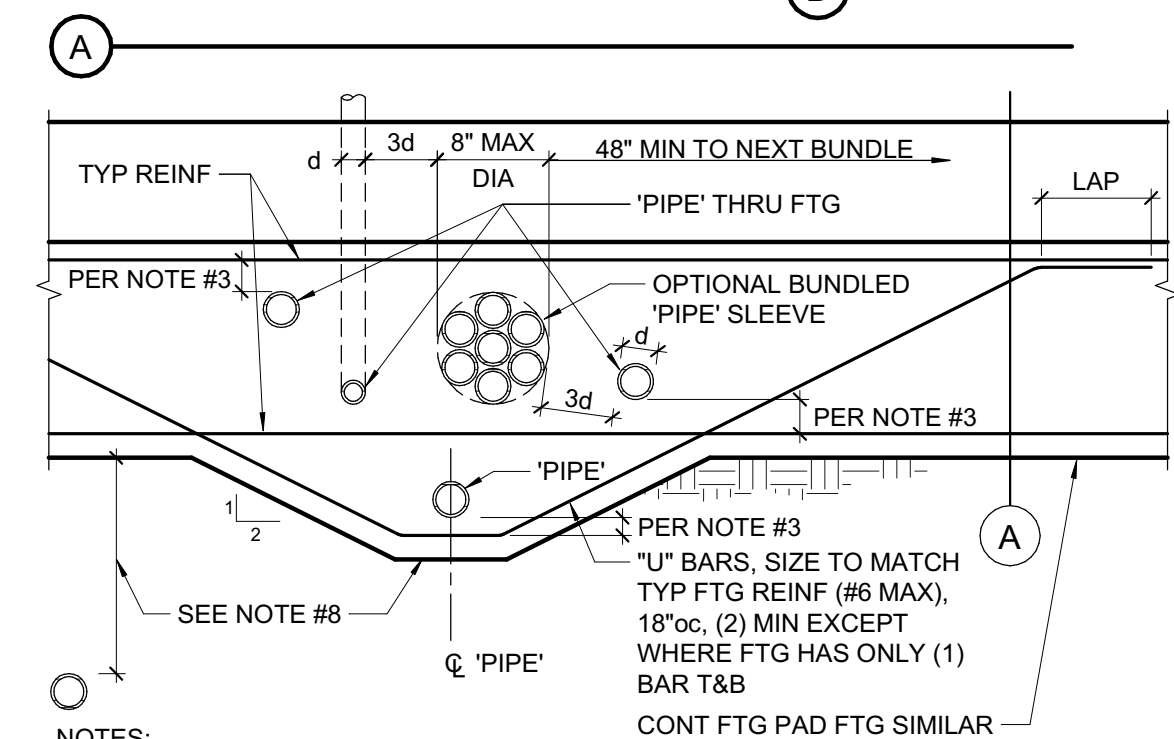
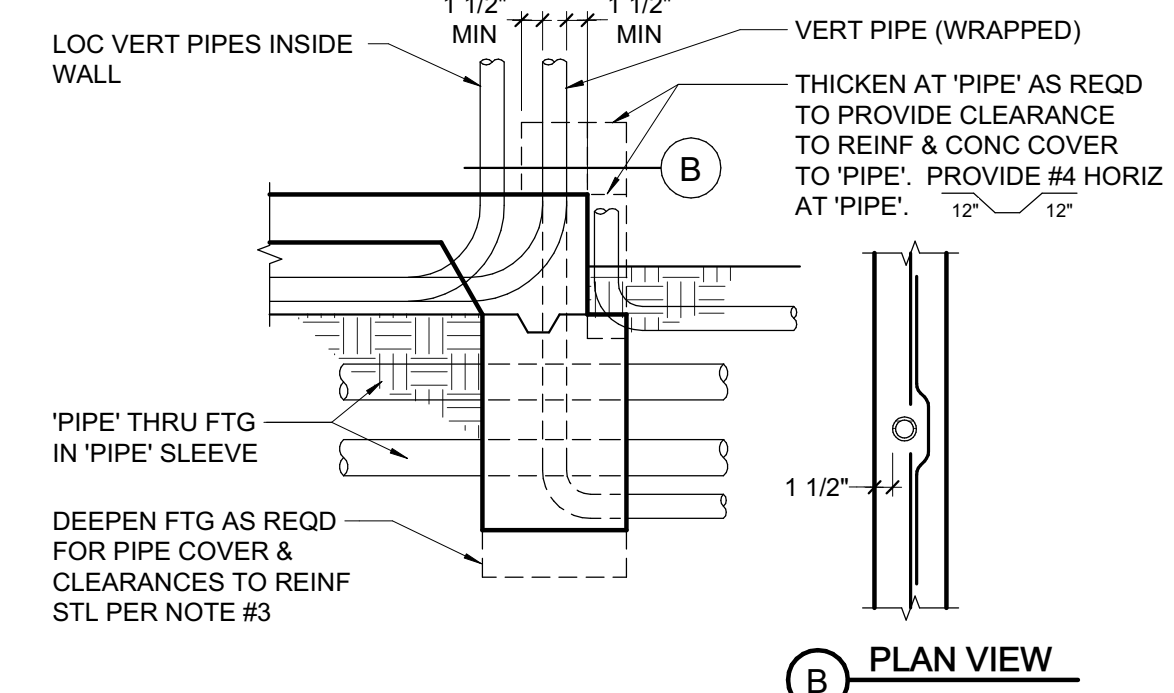
| MINIMUM BAR LAPS FOR REINFORCING STEEL<br>CONCRETE STRENGTH: 3000 PSI OR GREATER - (STAGGER SPLICES) |            |      |            |      |            |
|--|------------|------|------------|------|------------|
| SIZE   | LAP LENGTH | SIZE | LAP LENGTH | SIZE | LAP LENGTH |
| #3   | 17"        | #6   | 34"        | #9   | 86"        |
| #4   | 24"        | #7   | 56"        | #10  | 105"       |
| #5   | 34\"       | #8   | 70"        | #11  | 126"       |

(CLASS B TOP BAR)  
BAR SPCG SHALL NOT BE LESS THAN 4x BAR DIA OR 4\".

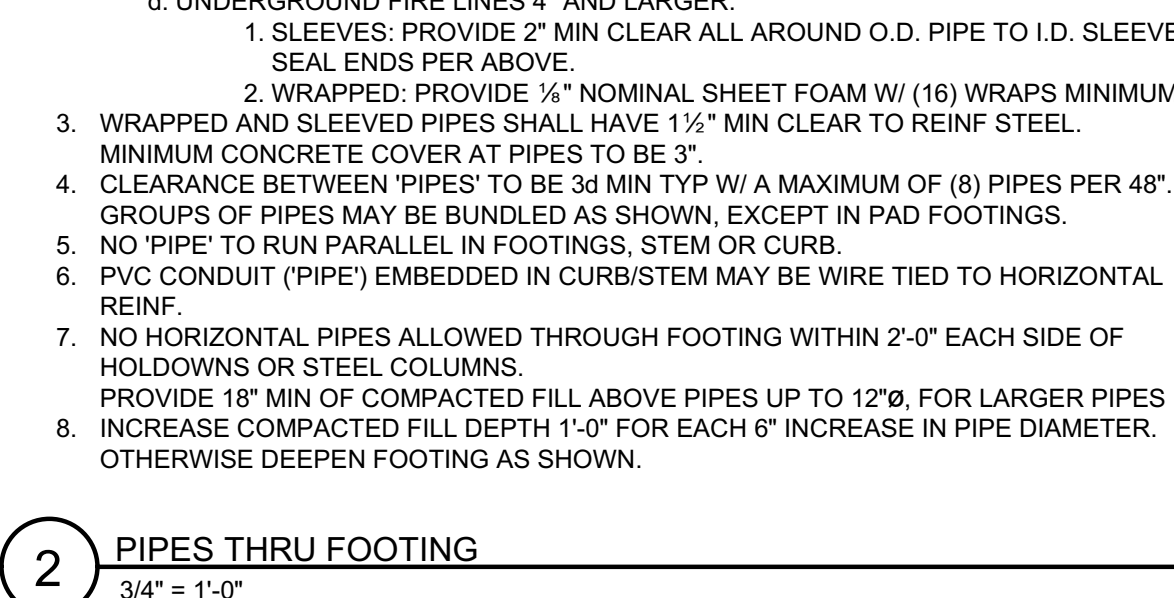
- CONC COVER FOR REINF STL** ..... 'CLR'
- CAST AGAINST EARTH OR GR ..... 3"
- EXPOSED TO EARTH (FORMED) OR WEATHER
- #5 & SMALLER ..... 1 1/2"
- #6 & LARGER ..... 2"
- NOT EXPOSED TO EARTH OR WEATHER
- #5 & SMALLER ..... 1"
- #6 & LARGER, & ALL BM STIRRUPS, COL TIES & SPIRALS ..... 1 1/2"
- ALL REINF SHALL EXTEND AS FAR AS POSSIBLE. WHERE BAR SPLICES ARE REQUIRED, BARS SHALL BE LAPPED PER SCHEDULE ABOVE UNLESS DETAILED OTHERWISE. WHERE REINF TERMINATES AT END OF MEMBER, REINF SHALL END IN A STD 90° OR 180° HK UNLESS DETAILED OTHERWISE.



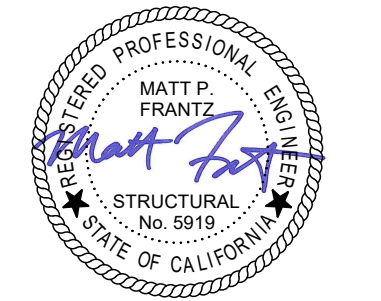
1 TYPICAL REINFORCING DETAILS (f'c = 3000psi MIN)  
3/4" = 1'-0"



- NOTES:**
- 'PIPE' = ANY PENETRATION THRU OR EMBEDDED IN FOUNDATION.
  - ALL PIPES THROUGH FOOTINGS TO BE WRAPPED OR SLEEVED AS FOLLOWS:
    - SLEEVES: PROVIDE 1" MIN CLEAR ALL AROUND O.D. PIPE TO I.D. SLEEVE, UNO. SEAL SLEEVE ENDS W/ MASTIC OR PLASTIC BITUMINOUS CEMENT.
    - WRAPPED VERTICAL PIPES: PROVIDE 1/2" NOMINAL SHEET FOAM W/ (3) WRAPS MINIMUM, UNO.
    - WRAPPED HORIZONTAL PIPES: PROVIDE 1/2" NOMINAL SHEET FOAM W/ (8) WRAPS MINIMUM, UNO.
    - UNDERGROUND FIRE LINES 4" AND LARGER:
      - SLEEVES: PROVIDE 2" MIN CLEAR ALL AROUND O.D. PIPE TO I.D. SLEEVE. SEAL ENDS PER ABOVE.
      - WRAPPED: PROVIDE 1/2" NOMINAL SHEET FOAM W/ (16) WRAPS MINIMUM. MINIMUM CONCRETE COVER AT PIPES TO BE 3".
  - CLEARANCE BETWEEN 'PIPES' TO BE 3d MIN TYP W/ A MAXIMUM OF (8) PIPES PER 48". GROUPS OF PIPES MAY BE BUNDLED AS SHOWN, EXCEPT IN PAD FOOTINGS.
  - NO 'PIPE' TO RUN PARALLEL IN FOOTINGS, STEM OR CURB.
  - PVC CONDUIT ('PIPE') EMBEDDED IN CURB/STEM MAY BE WIRE TIED TO HORIZONTAL REINF.
  - NO HORIZONTAL PIPES ALLOWED THROUGH FOOTING WITHIN 2'-0" EACH SIDE OF HOLDOWNS OR STEEL COLUMNS. PROVIDE 18" MIN OF COMPACTED FILL ABOVE PIPES UP TO 12\"/>



2 PIPES THRU FOOTING  
3/4" = 1'-0"



STAMP

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| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

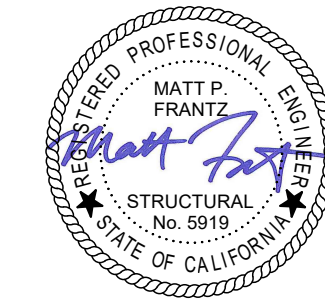
JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
**TYPICAL CONCRETE DETAILS**



PERMIT DRAWINGS - NOT FOR CONSTRUCTION

STAMP



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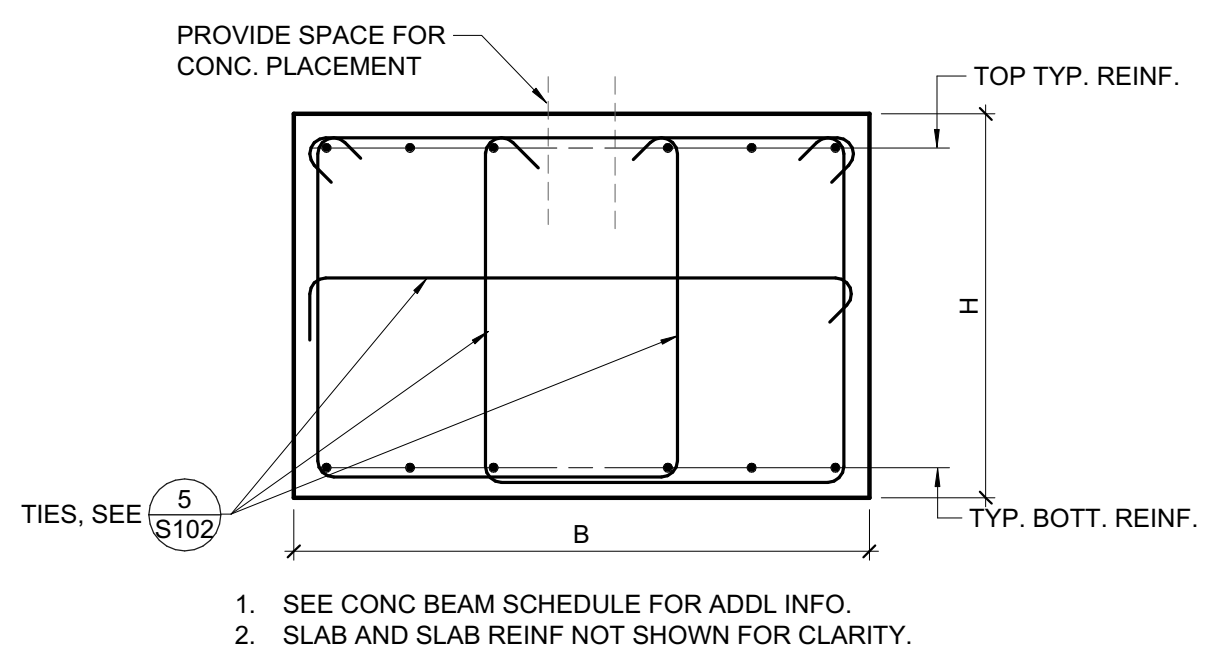
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

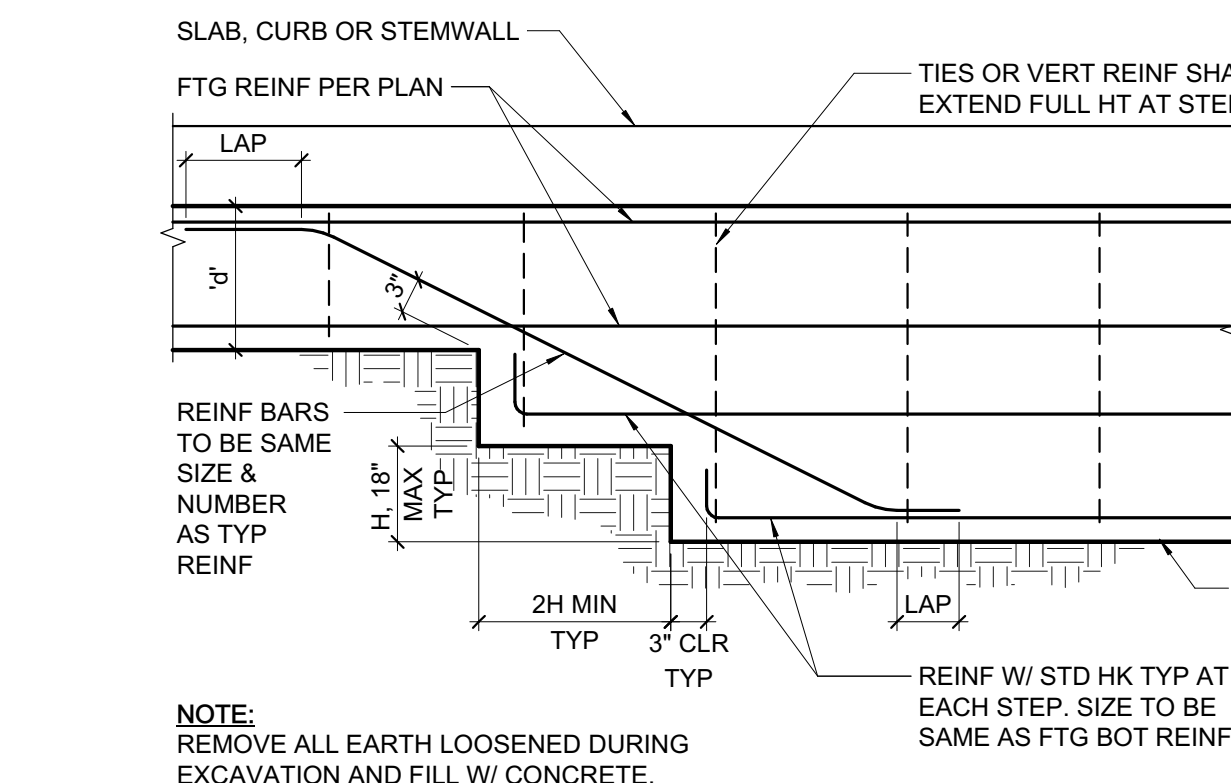
DESCRIPTION  
**TYPICAL CONCRETE GRADE BEAM DETAILS**

**S102**

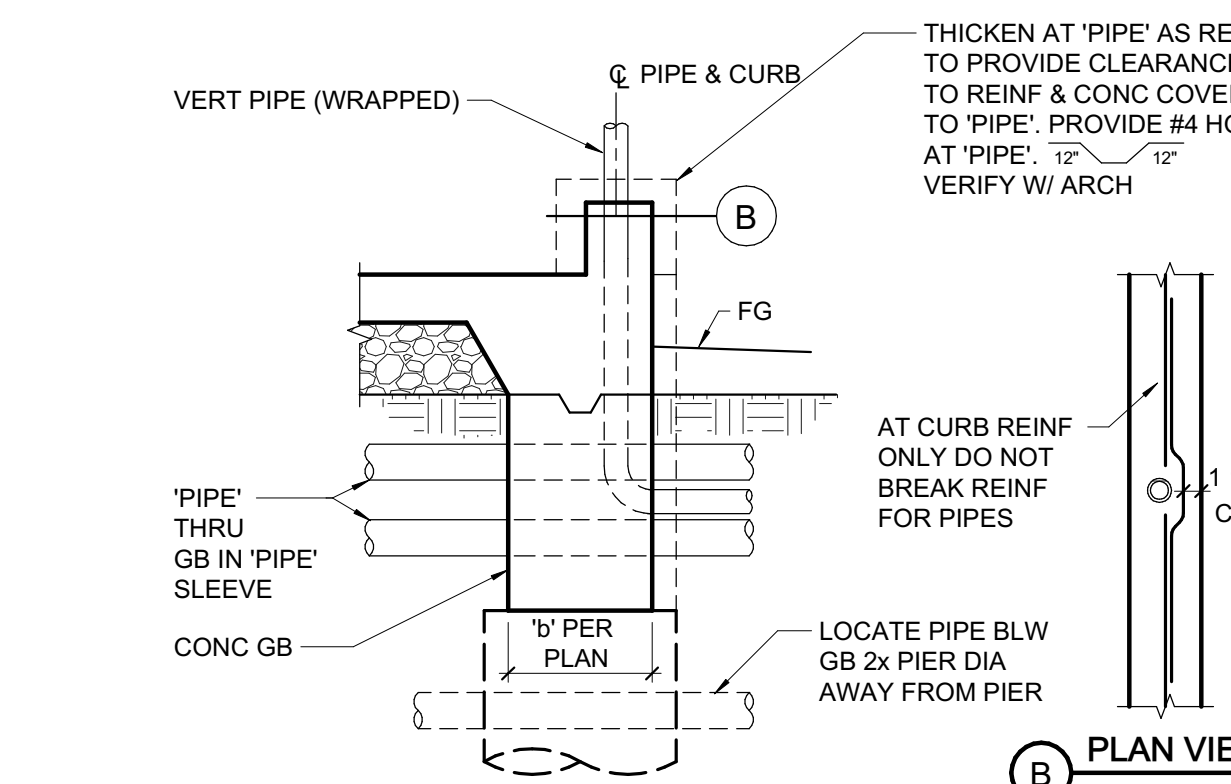
PERMIT DRAWINGS - NOT FOR CONSTRUCTION



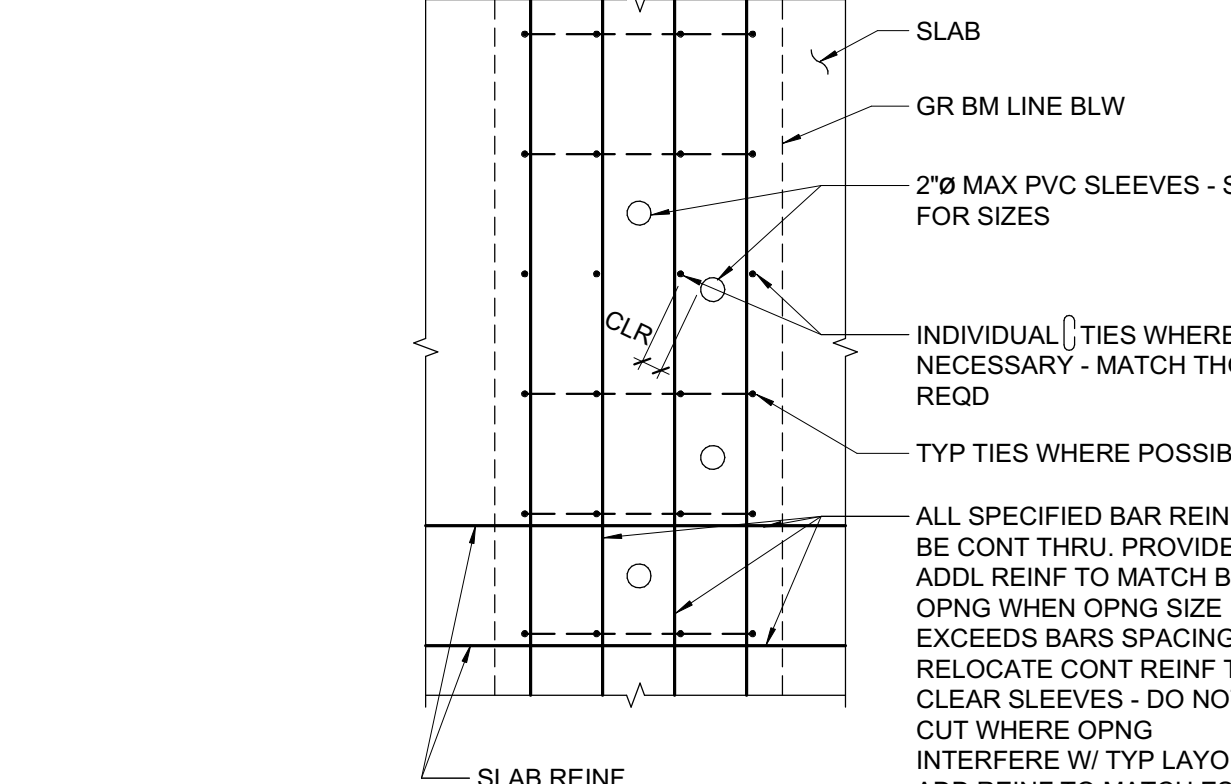
7 TYPICAL BEAM SECTION DETAIL  
 1/2" = 1'-0"



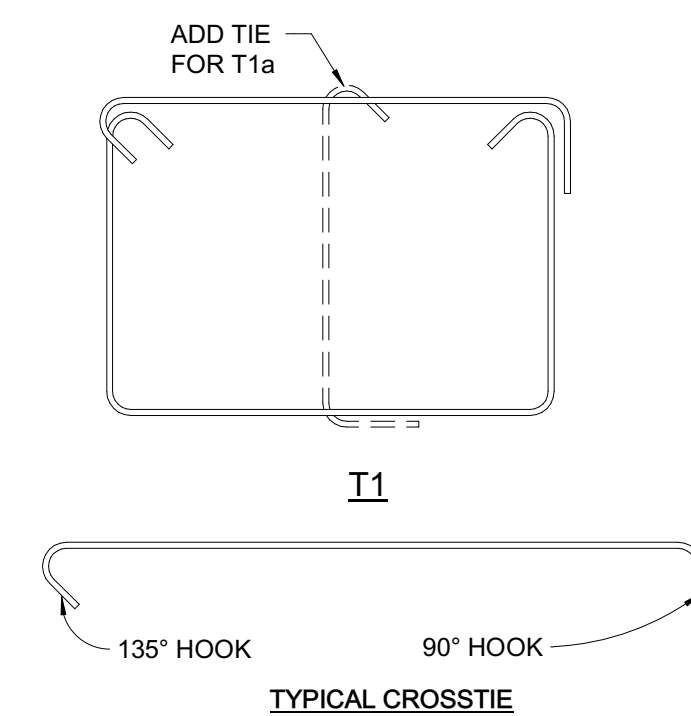
8 STEPPED GRADE BEAM  
 3/4" = 1'-0"



9 GRADE BEAM PENETRATIONS  
 3/4" = 1'-0"



10 PLAN VIEW OF HOLES IN GRADE BEAM  
 3/4" = 1'-0"



**CROSSTIE NOTES**

- SIZE AND SPACING TO MATCH STIRRUPS OR TIES, TYP. UNO
- FOR BEAMS AND GIRDERS WHERE SLAB OCCURS ON BOTH SIDES OF MEMBER, ALTERNATE PLACEMENT OF 135° HOOK AT EACH CONSECUTIVE CROSSTIE. WHERE SLAB OCCURS ON ONE SIDE ONLY, PLACE THE 135° HOOK ON THE SIDE WITHOUT SLAB AT EACH CONSECUTIVE CROSSTIE.

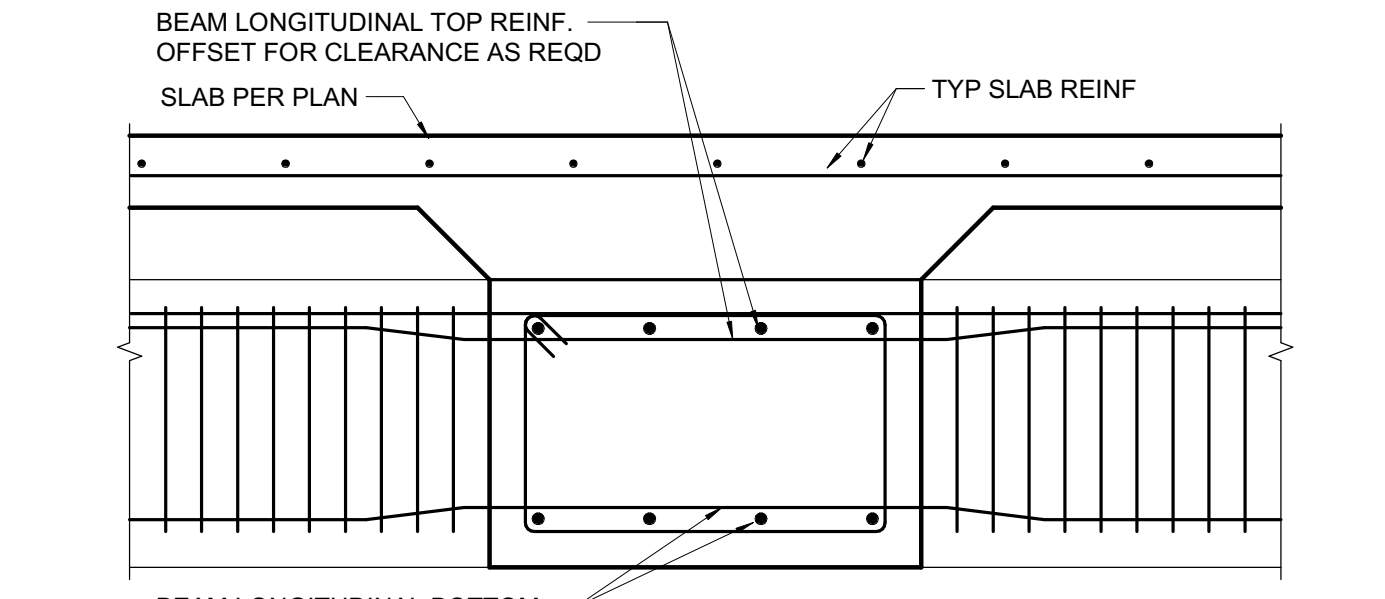
**NOTES:**

- FOR SIZE AND SPACING OF STIRRUPS SEE SCHEDULE.
- FOR TYPICAL BAR HOOKS AND BENDS SEE TYPICAL DETAILS.
- SERPENTINE TIES OF EQUIVALENT CONFIGURATION ARE STRUCTURALLY ACCEPTABLE.

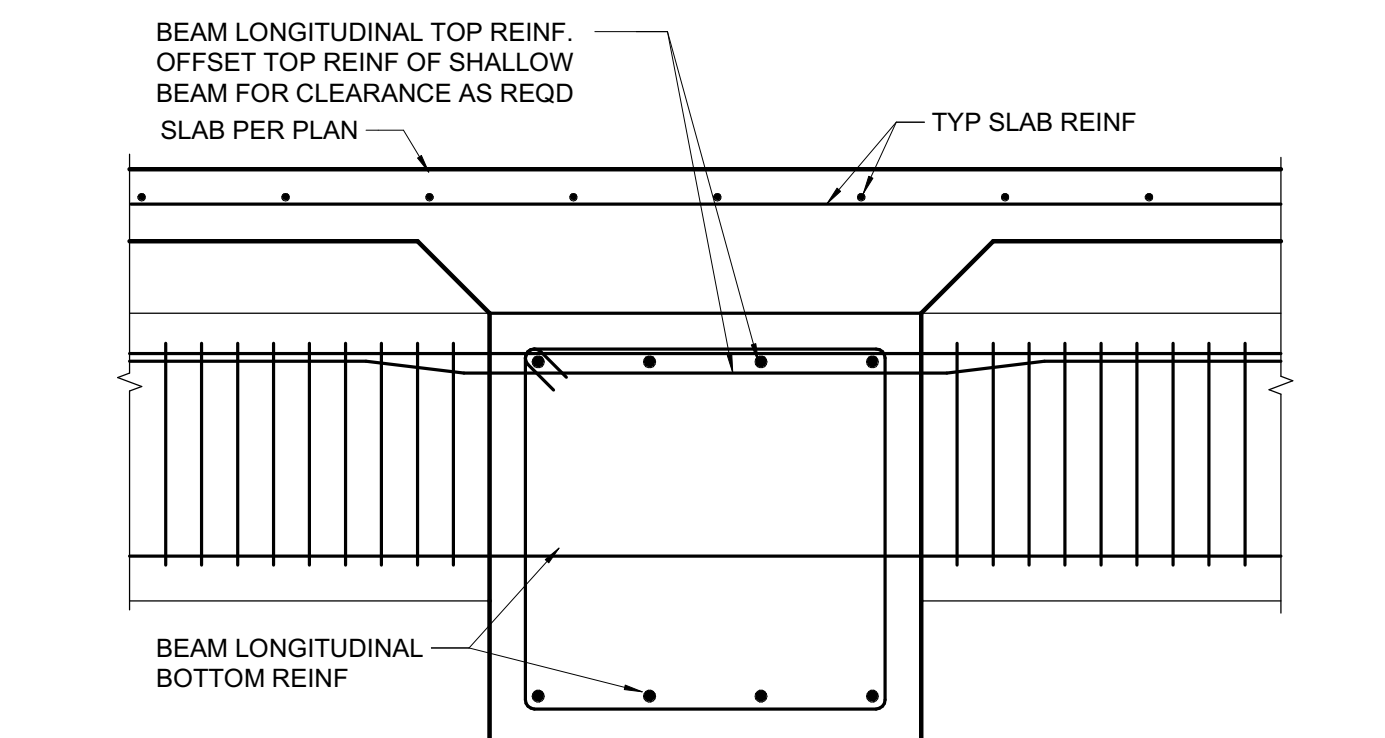
5 STIRRUPS TYPES DETAIL  
 3/4" = 1'-0"

**NOTES FOR EQUAL DEPTH BEAM CONNECTIONS:**

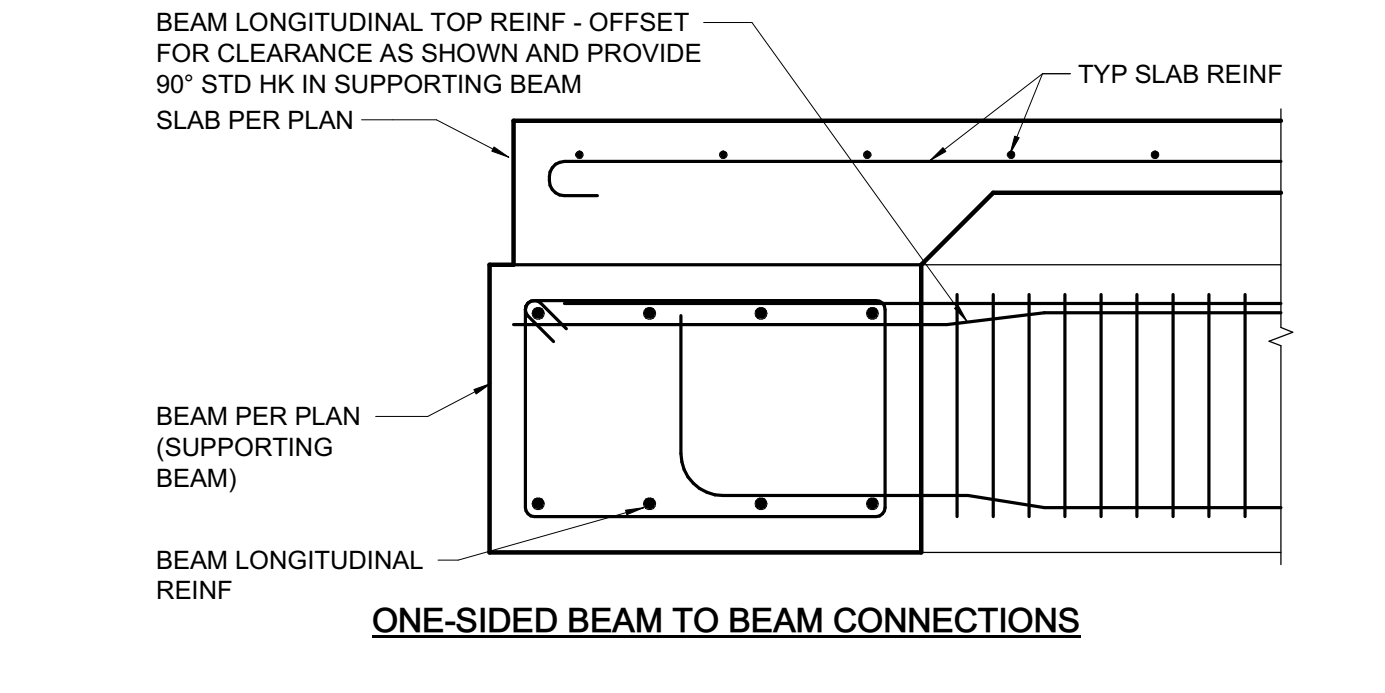
- WHERE BEAM LONGITUDINAL TOP REINF. CONFLICTS, OFFSET GROUP OF BARS CLOSEST TO MIDSPAN OF BEAM.
- WHERE BEAM BOTTOM LONGITUDINAL REINF. CONFLICTS, OFFSET GROUP OF BARS CLOSEST TO SUPPORT.
- IF BEAM INTERSECTION OCCURS AT SAME LOCATION IN BOTH BEAMS OFFSET GROUP OF BARS WITH LESS TOTAL AREA OF STEEL.



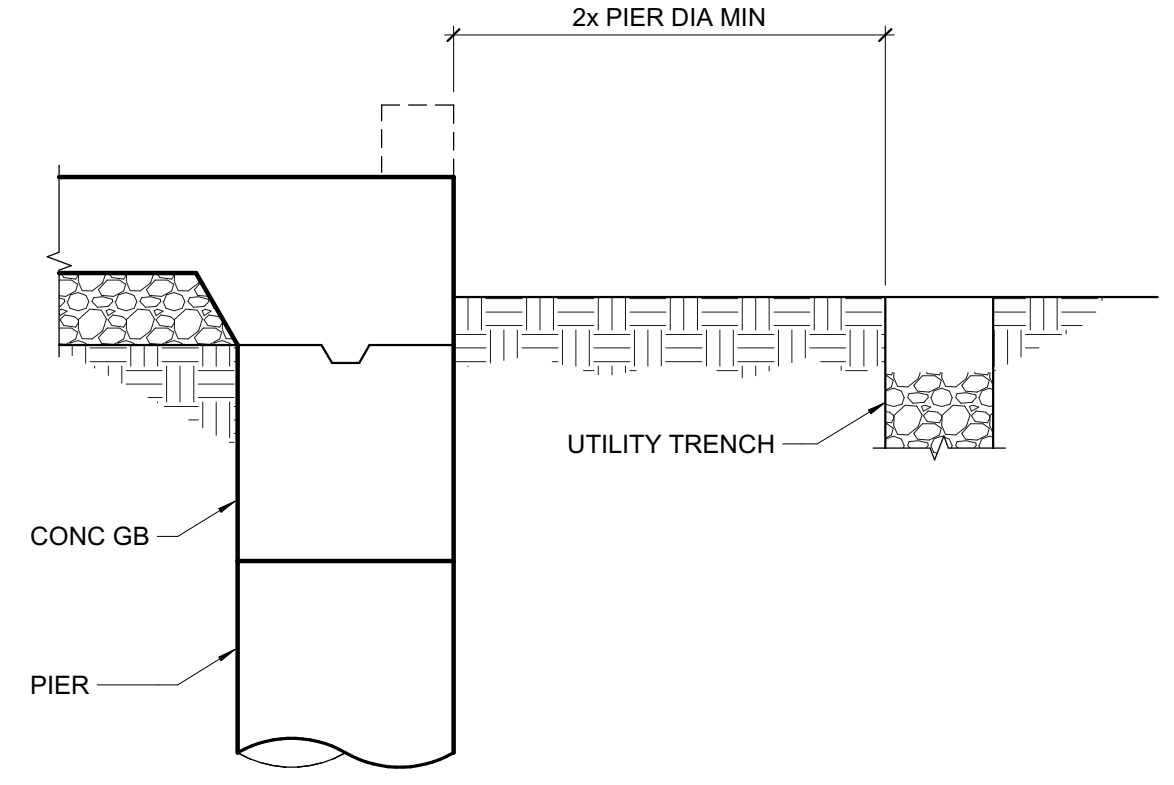
TWO-SIDED EQUAL DEPTH BEAM TO BEAM CONNECTIONS



TWO-SIDED BEAM TO BEAM CONNECTIONS



6 TYPICAL BEAM TO BEAM CONNECTION  
 3/4" = 1'-0"



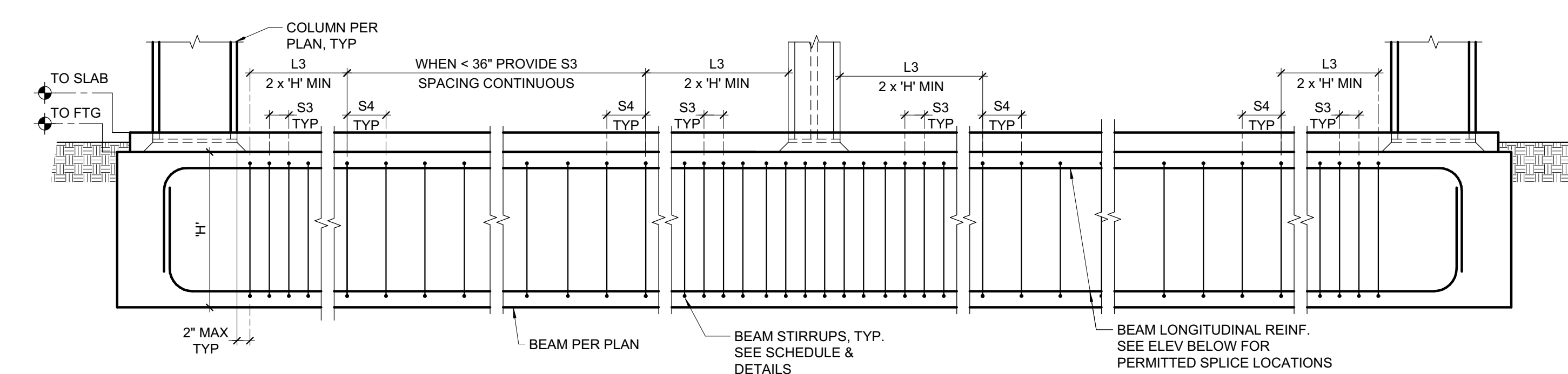
4 TRENCHING ADJACENT TO GRADE BEAM  
 3/4" = 1'-0"

| MARK  | CONCRETE GRADE BEAM (GB) SCHEDULE |     |                   |         |           |     |      |         |    |           |         |      |            |
|-------|-----------------------------------|-----|-------------------|---------|-----------|-----|------|---------|----|-----------|---------|------|------------|
|       | LONGITUDINAL REINFORCEMENT        |     | STIRRUPS AND TIES |         |           |     |      | SPACING |    |           | REMARKS |      |            |
|       | BOTTOM TYP                        | ADD | TOP TYP           | ADD "A" | SIDE BARS | TYP | SIZE | S3      | S4 | LENGTH L3 |         |      |            |
| GB24  | 24"                               | 24" | (3)-#5            | -       | (3)-#5    | -   | -    | T1      | #4 | 12"       | 12"     | FULL | 135° HK ES |
| GB24A | 24"                               | 30" | (4)-#7            | -       | (4)-#7    | -   | -    |         |    | 6"        | 12"     | 5'   | 135° HK ES |
| GB30  | 30"                               | 30" | (5)-#6            | -       | (5)-#6    | -   | -    |         |    | 12"       | 12"     | FULL |            |
| GB24B | 24"                               | 24" | (3)-#5            | -       | (3)-#5    | -   | -    |         |    | 6"        | 12"     | 4'   | 135° HK ES |

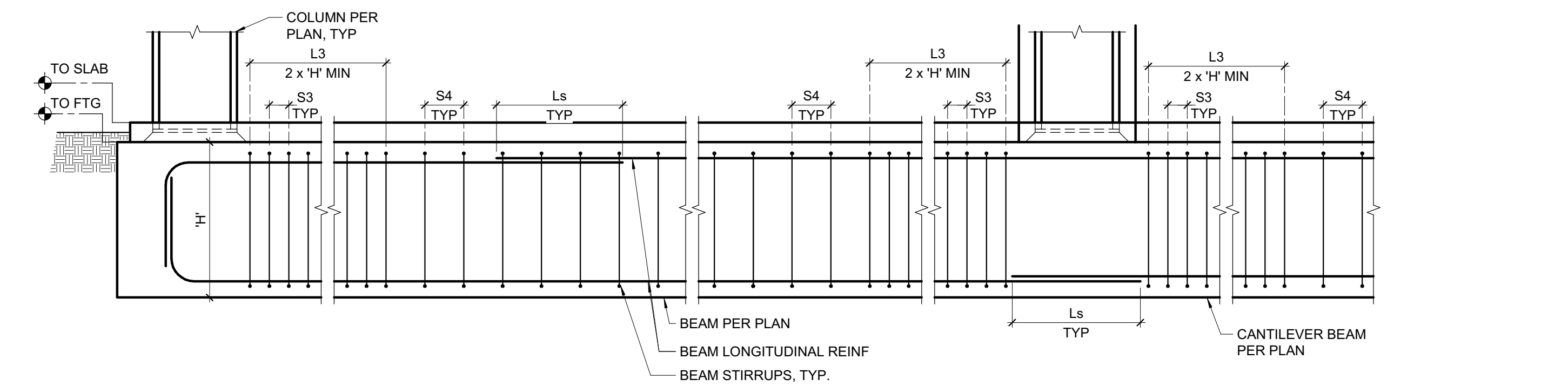
**NOTES:**

- REFER TO DETAIL 2/S102, 7/S102, & 5/S102 FOR TYPICAL DEFINITION OF TERMS USED IN THIS TABLE.
- ALL BEAM LONGITUDINAL REINF. TO BE ASTM A706.
- FOR TYPICAL GRAVITY COLUMN TO BEAM CONNECTION, SEE 5/S401.
- FOR TYPICAL BEAM TO BEAM INTERSECTION, SEE 6/S102.

1 CONCRETE BEAM SCHEDULE  
 12" = 1'-0"



TYPICAL ELEVATION AT GRADE BEAM SUPPORTING GRAVITY COLUMN

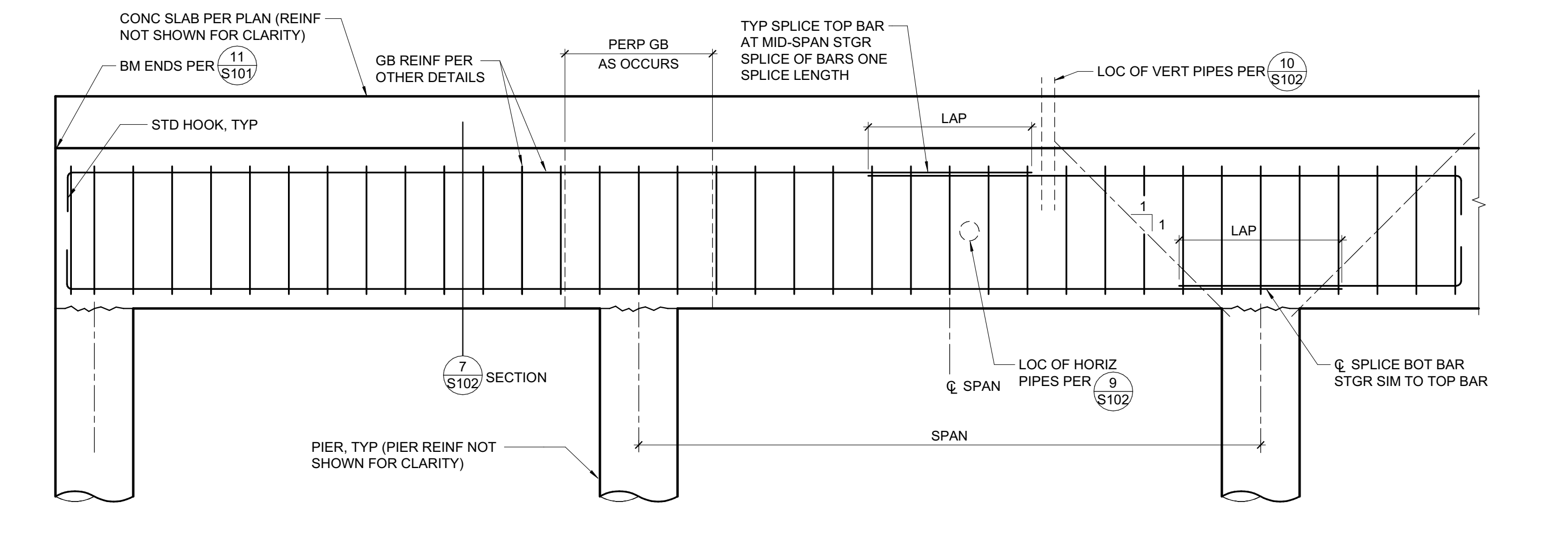


TYPICAL GRADE BEAM ELEVATION

**NOTES:**

- LAP TOP BEAM LONGITUDINAL BARS AT MIDSPAN & BOTTOM BARS OVER SUPPORTS. SEE 1/S101 FOR LAP LENGTHS.
- BEAM LONGITUDINAL BARS TO BE TERMINATED WITH 90° STANDARD HOOK UNLESS DETAILED OTHERWISE.
- WHERE BAR EXTENSIONS ARE NOTED IN PLAN OR IN OTHER SPECIFIC DETAILS THIS LENGTH GOVERNS.
- COLUMN TIES AND LONGITUDINAL REINF. TO EXTEND THROUGH BEAM COLUMN JOINT.

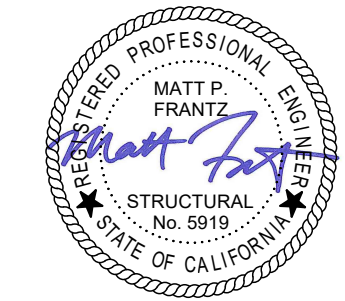
2 TYPICAL BEAM TRANSVERSE REINFORCING  
 3/4" = 1'-0"



3 GRADE BEAM REINFORCING SPLICE DETAIL  
 3/4" = 1'-0"

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PROJECT ADDRESS  
**217 ARLINGTON AVE.  
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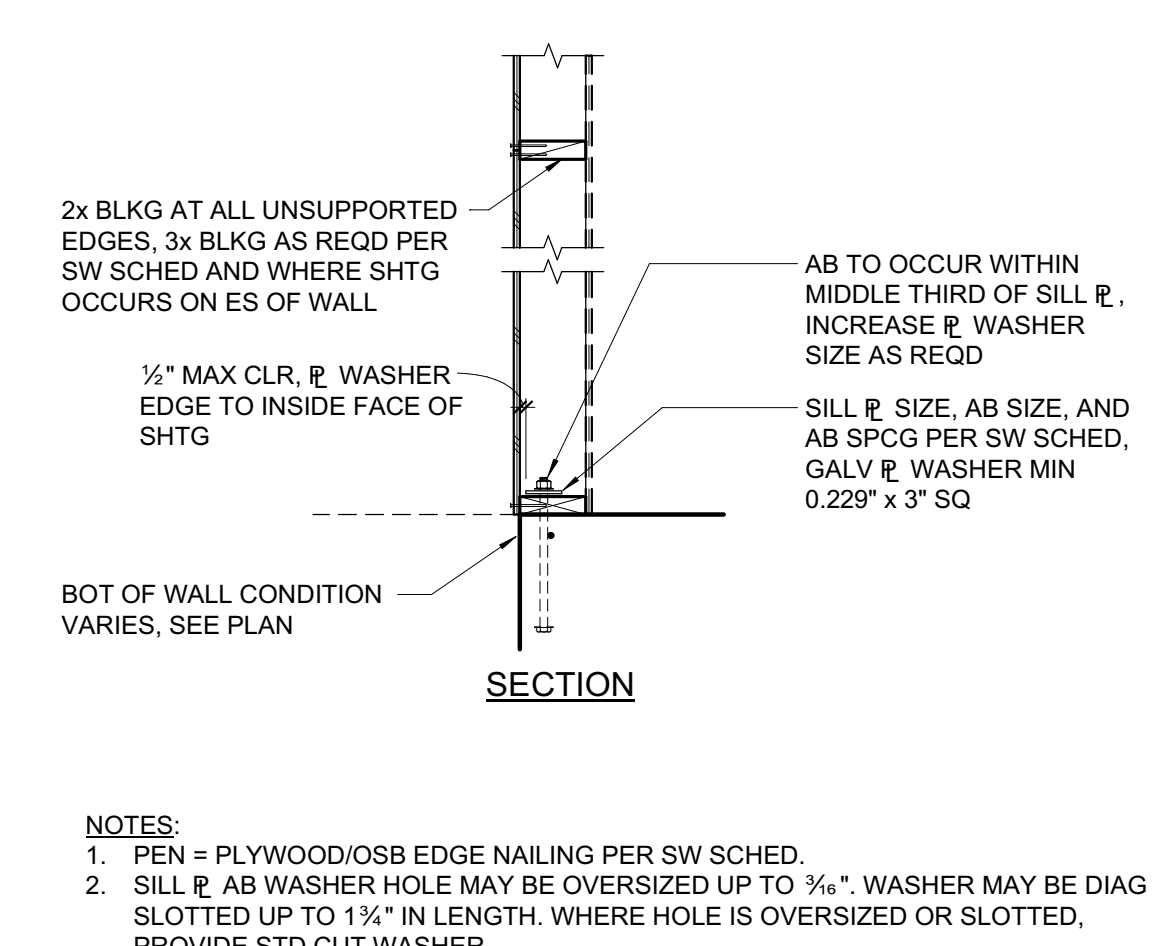
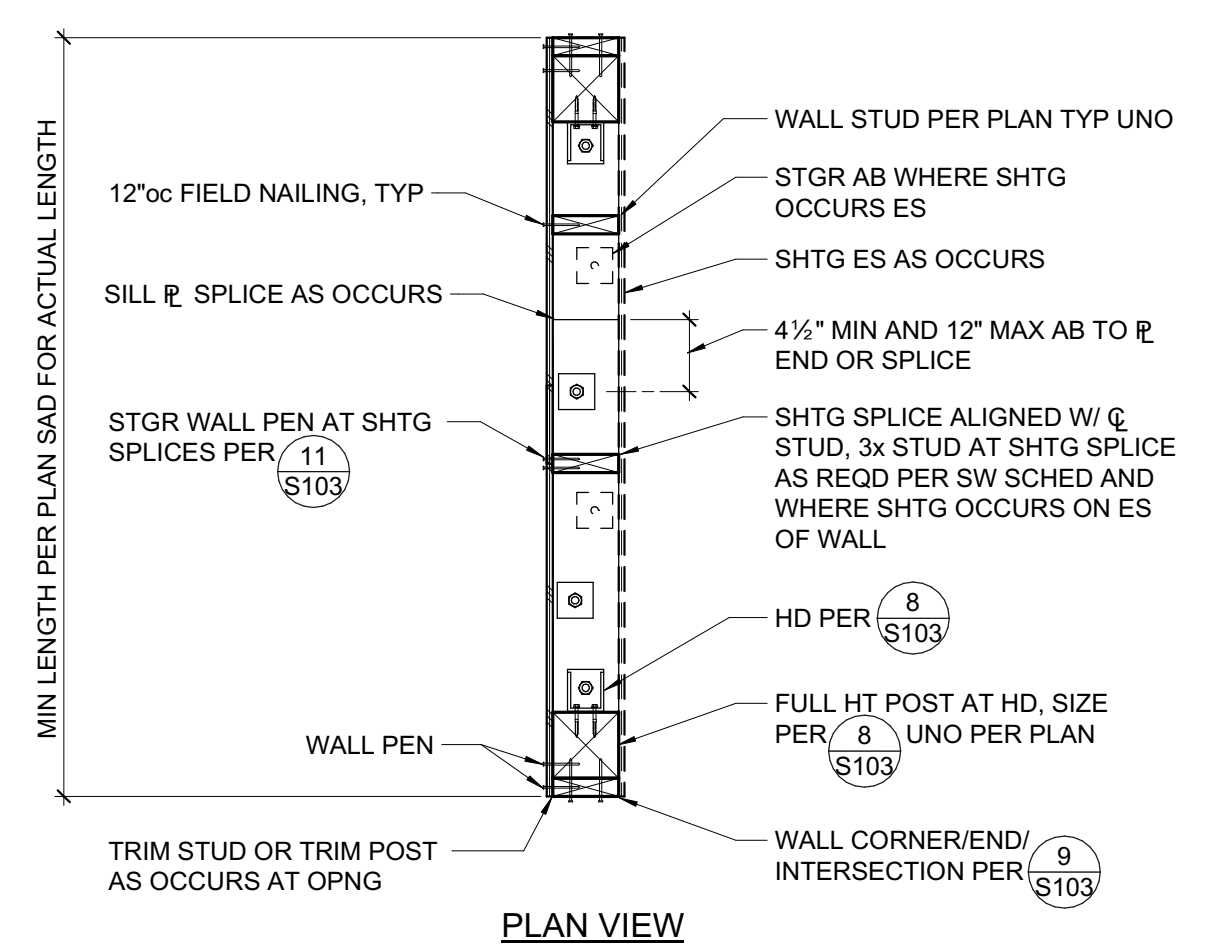
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| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
**TYPICAL WOOD DETAILS**

**S103**

PERMIT DRAWINGS - NOT FOR CONSTRUCTION

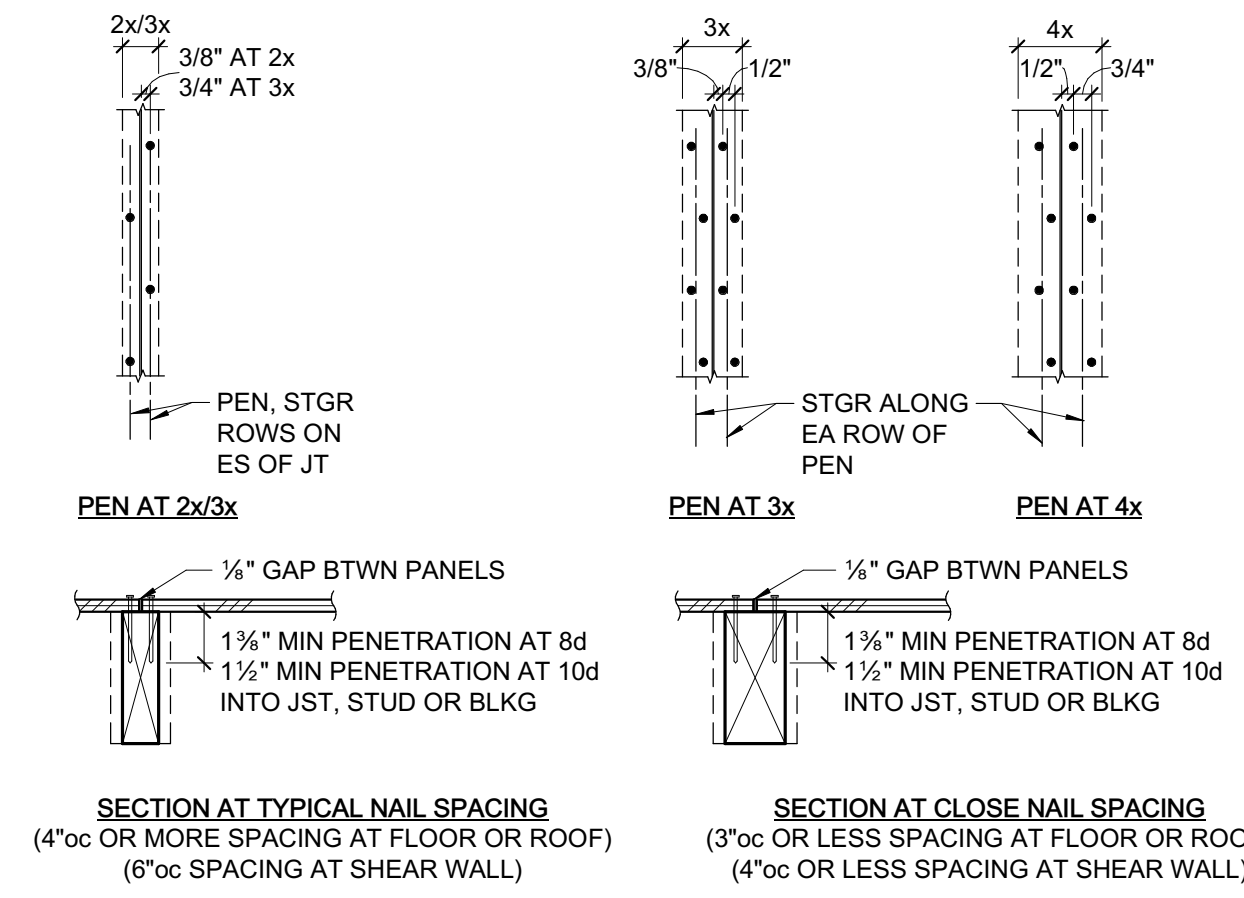


- NOTES:  
 1. PEN = PLYWOOD/OSB EDGE NAILING PER SW SCHED.  
 2. SILL AB WASHER HOLE MAY BE OVERSIZED UP TO 3/16". WASHER MAY BE DIAG SLOTTED UP TO 1 1/4" IN LENGTH. WHERE HOLE IS OVERSIZED OR SLOTTED, PROVIDE STD CUT WASHER.

**7 SCHEMATIC SHEAR WALL CONSTRUCTION**  
 3/4" = 1'-0"

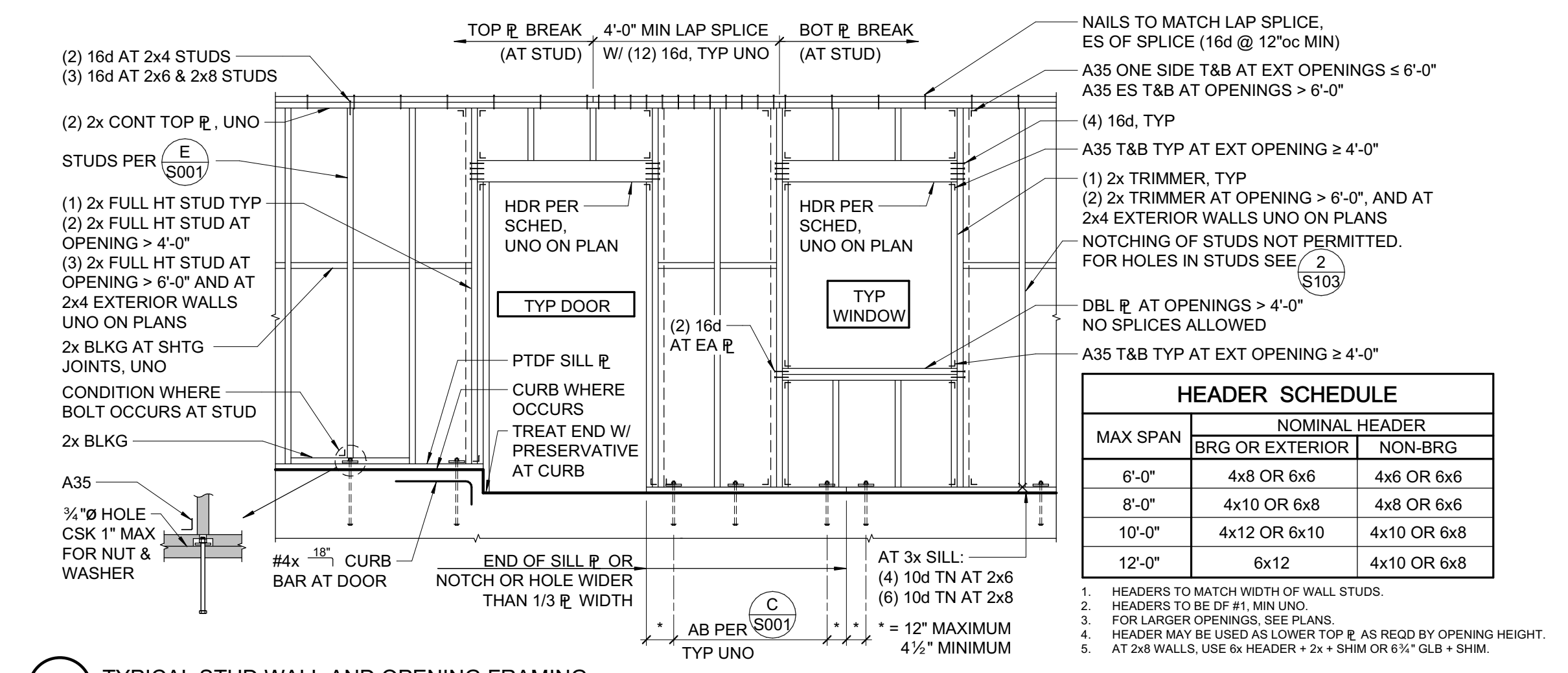
- RIM JOIST TO TOP R, TOE NAIL ..... 10d @ 6"oc  
 TRUSSES, JOISTS OR RAFTERS AT ALL BEARING POINTS  
 TOE NAILS EACH SIDE ..... (2) 10d  
 TRUSSES, JOISTS OR RAFTERS TO SIDE OF STUDS  
 EIGHT (8) INCH JOISTS OR LESS ..... (3) 16d  
 FOR EACH ADDITIONAL 4 INCHES OF DEPTH OF JOIST  
 BLOCKING BETWEEN JOISTS OR RAFTERS:  
 TO JOIST OR RAFTERS - TOE NAILS EA SIDE, EA END ..... (2) 10d  
 TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE ..... (2) 10d  
 BLOCKING BETWEEN STUDS, EACH END TOE NAILS ..... (2) 10d OR (2) 16d  
 BRIDGING TO JOIST, TOE NAIL EACH END ..... (2) 8d  
 2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL ..... (2) 16d  
 SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL ..... 16d @ 16"oc  
 SOLE PLATE TO JOIST OR BLOCKING AT  
 BRACED WALL PANELS ..... (3) 16d @ 16"oc  
 TOP PLATE TO STUD, END NAIL ..... (2) 16d  
 STUD TO SOLE PLATE, TOE NAIL ..... (4) 8d  
 DOUBLE STUDS AT EXTERIOR WALLS, FACE NAIL ..... 16d @ 12"oc  
 DOUBLE STUDS, FACE NAIL ..... 16d @ 24"oc  
 DOUBLE TOP PLATES, FACE NAIL ..... 16d @ 12"oc  
 TOP PLATES, LAPS & INTERSECTIONS, FACE NAIL ..... (3) 16d  
 CONTINUOUS HEADER, TWO PIECES ..... 16d @ 16"oc ALONG EACH EDGE  
 DOUBLE TOP PLATE LAP AT CORNER ..... (3) 16d  
 CONTINUOUS HEADER TO STUD, TOE NAIL ..... (4) 8d  
 CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL ..... (3) 16d  
 CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL ..... (3) 16d  
 BUILT-UP CORNER STUDS ..... 16d @ 12"oc  
 POST TO SILL/SOLE/TOP PLATE, EACH SIDE TOE NAIL ..... (4) 10d

**10 NAILING SCHEDULE**  
 3/4" = 1'-0"



NOTE:  
 SHEATHING SHEETS ARE TO BE AS LARGE AS POSSIBLE. STAGGER SHEETS. JOINTS ARE TO BE CENTERED OVER BEARING. NAIL HEADS SHALL BE DRIVEN FLUSH W/ SHEATHING. MINIMUM SHEATHING SIZE IS 24" WIDTH x 48" LENGTH AT FLOOR AND ROOF, AND 12"x48" AT WALLS.

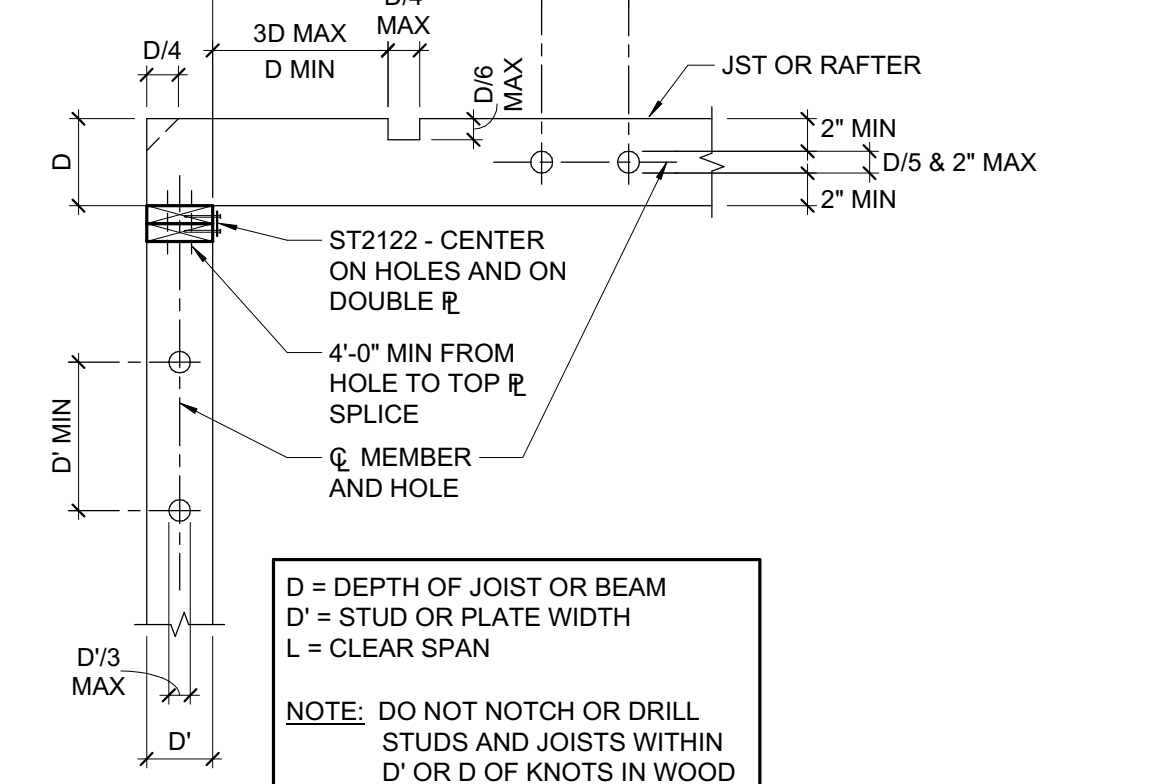
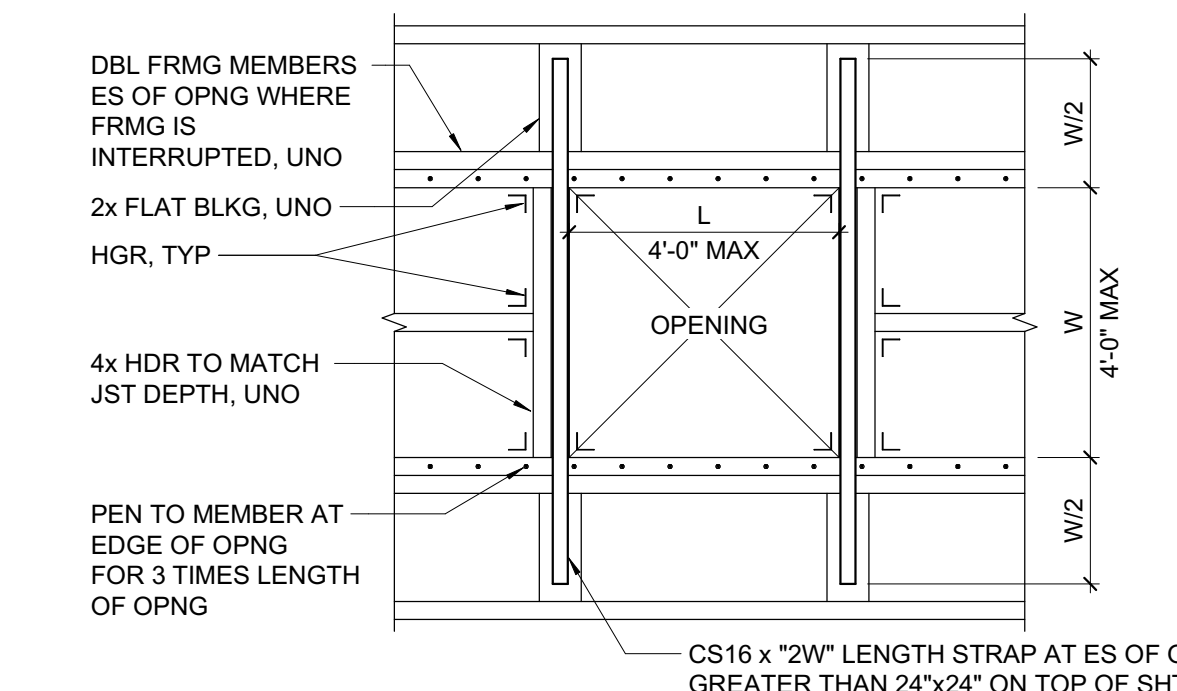
**11 SHEATHING NAILING**  
 1 1/2" = 1'-0"



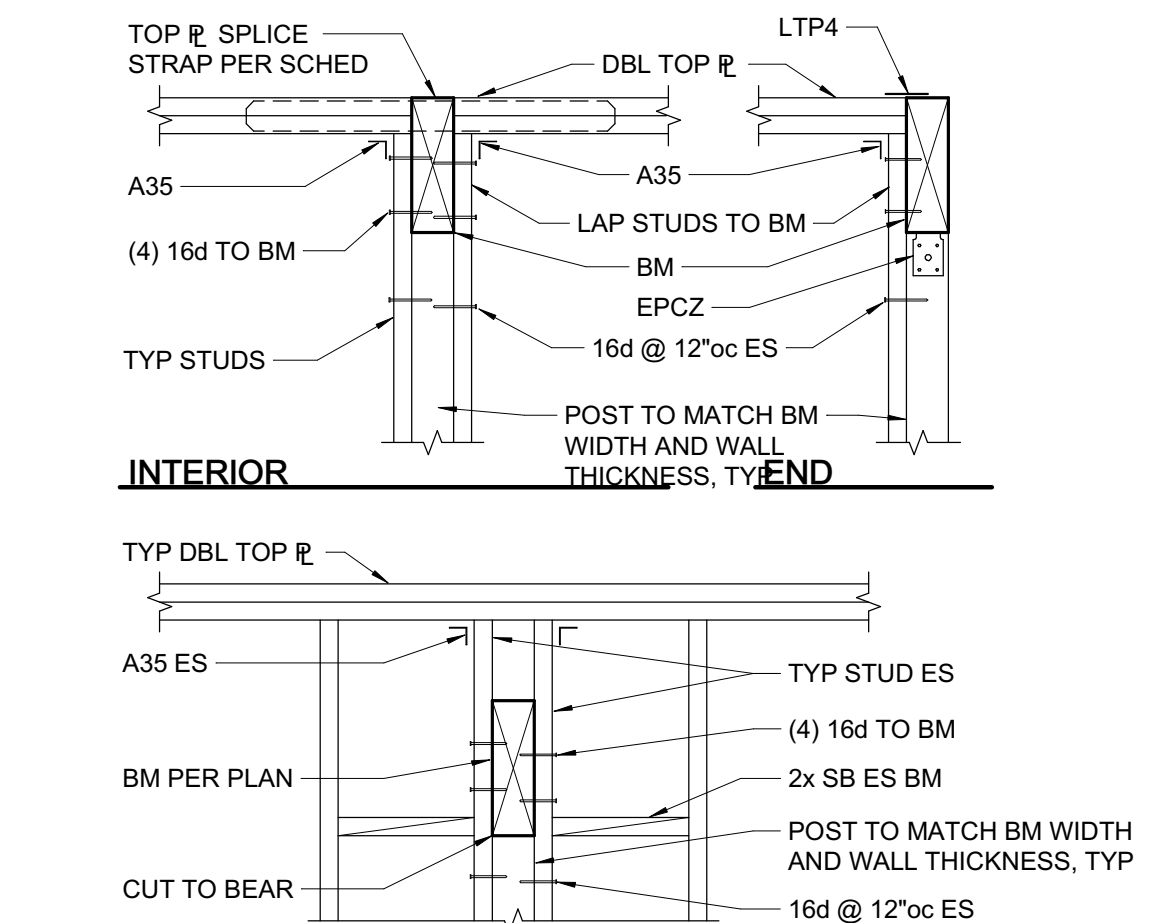
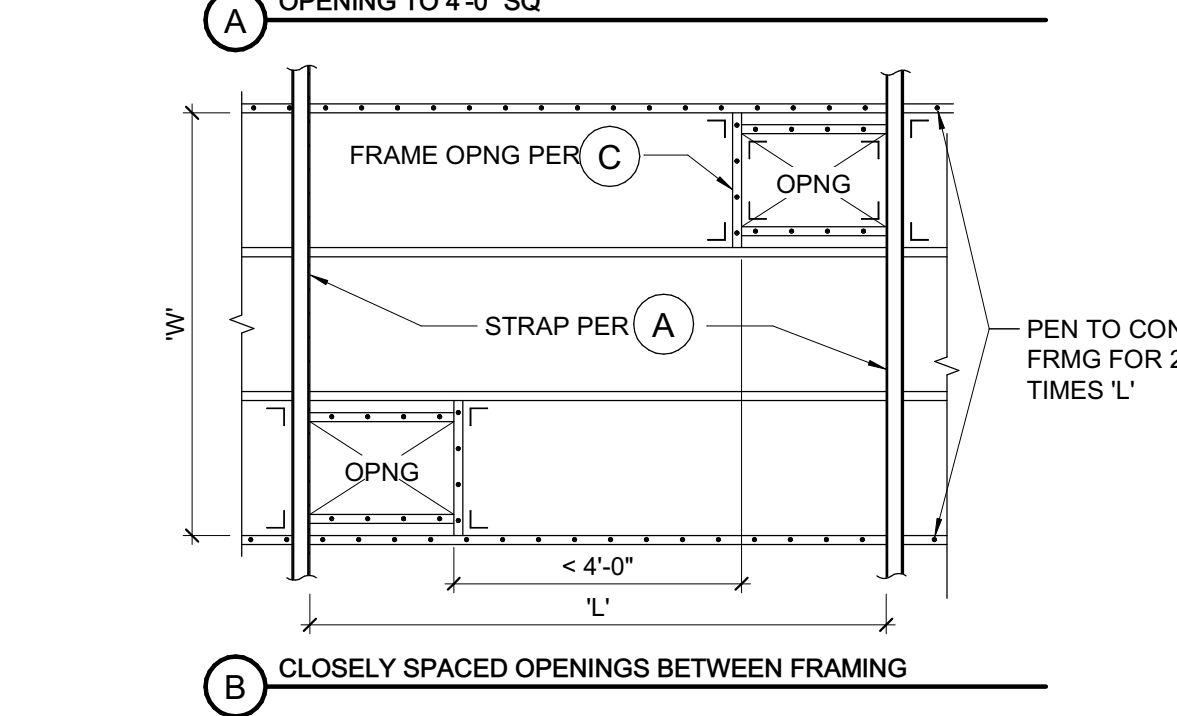
| MAX SPAN | NOMINAL HEADER  |             |
|----------|-----------------|-------------|
|          | BRG OR EXTERIOR | NON-BRG     |
| 6'-0"    | 4x8 OR 6x6      | 4x8 OR 6x6  |
| 8'-0"    | 4x10 OR 6x6     | 4x8 OR 6x6  |
| 10'-0"   | 4x12 OR 6x10    | 4x10 OR 6x8 |
| 12'-0"   | 6x12            | 4x10 OR 6x8 |

1. HEADERS TO MATCH WIDTH OF WALL STUDS.  
 2. HEADERS TO BE OF #1 MIN UNO.  
 3. FOR LARGER OPENINGS SEE PLANS.  
 4. HEADER MAY BE USED AS LOWER TOP R AS REOD BY OPENING HEIGHT.  
 5. AT 2x8 WALLS, USE 6x HEADER = 2x SHIM OR 6"x 6" GLB + SHIM.

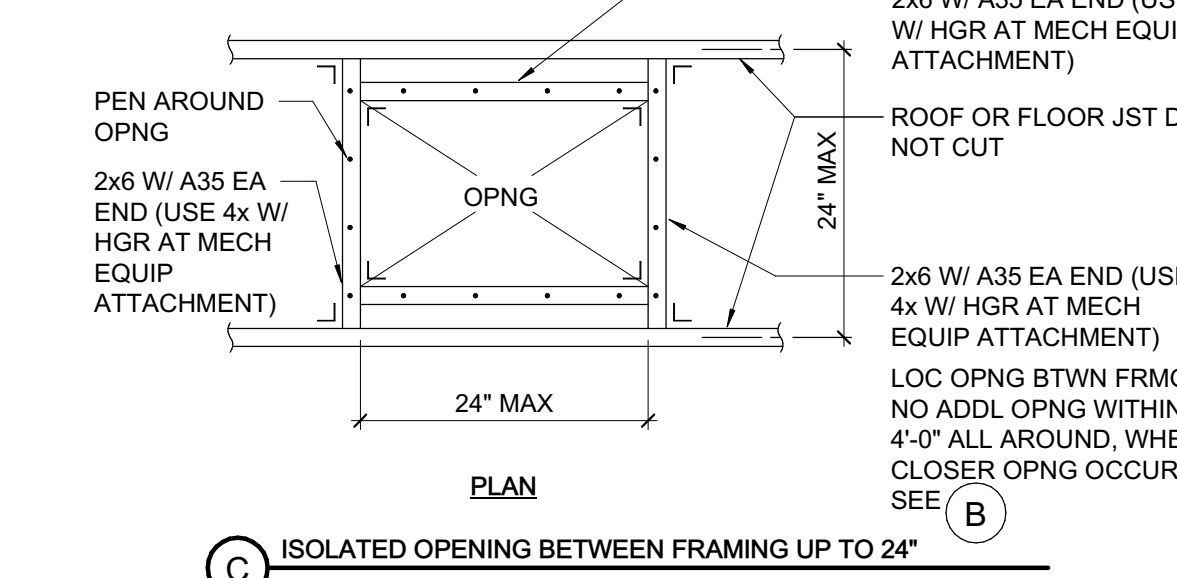
**1 TYPICAL STUD WALL AND OPENING FRAMING**  
 3/8" = 1'-0"



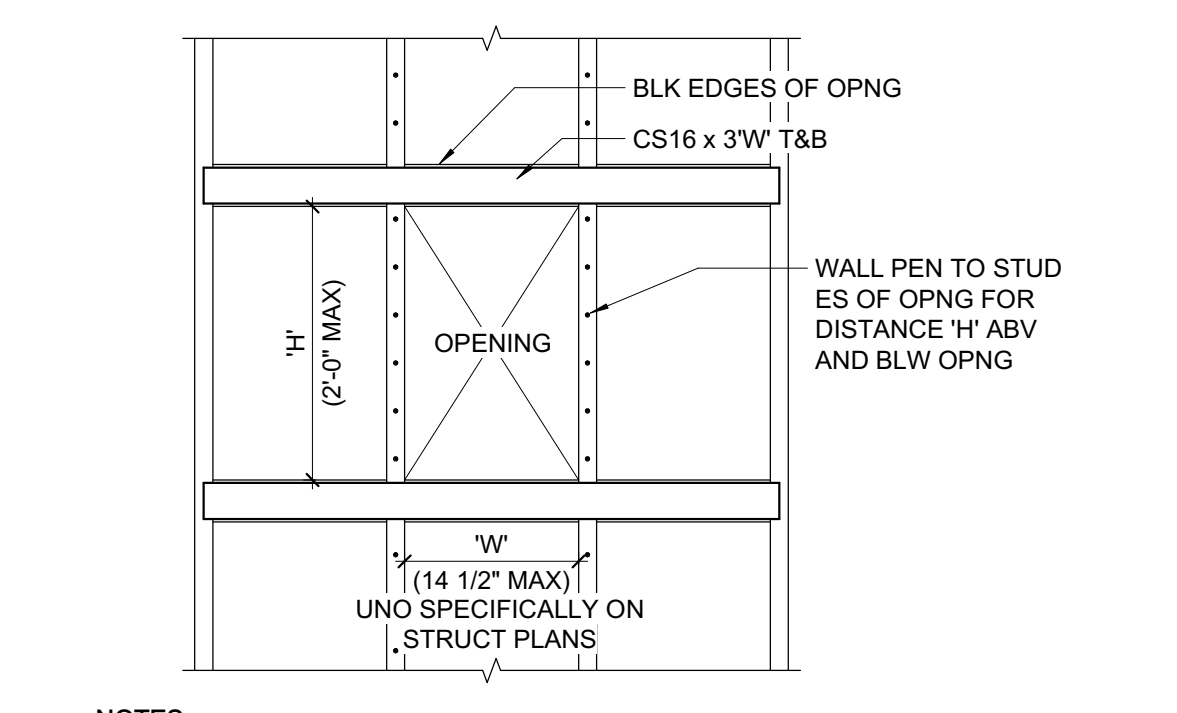
**2 HOLES AND NOTCHES IN WOOD STUDS, JOISTS, AND PLATES**  
 3/4" = 1'-0"



**3 TYPICAL BEAM IN AND THRU STUD WALL**  
 3/4" = 1'-0"

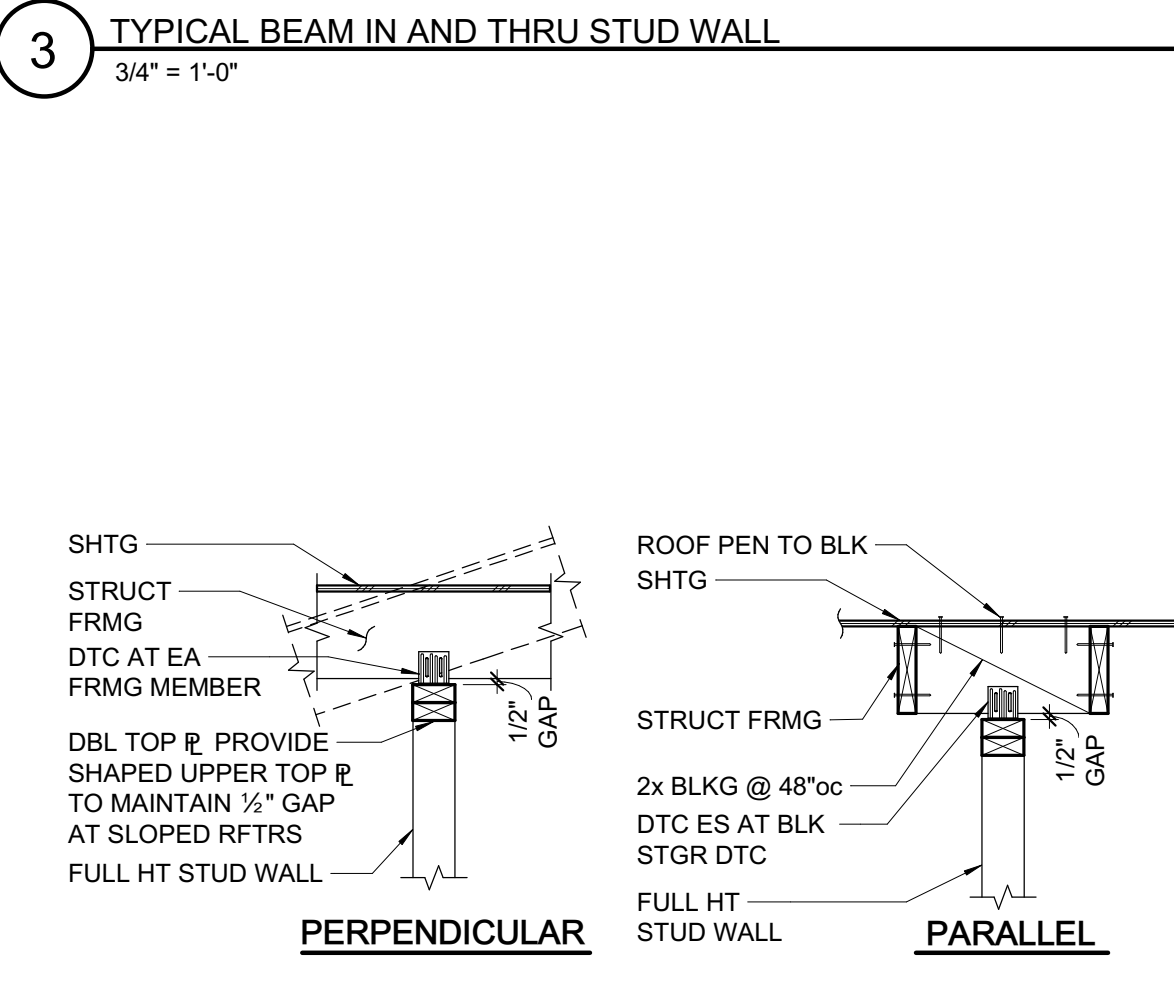


**5 OPENING IN DIAPHRAGM**  
 3/4" = 1'-0"

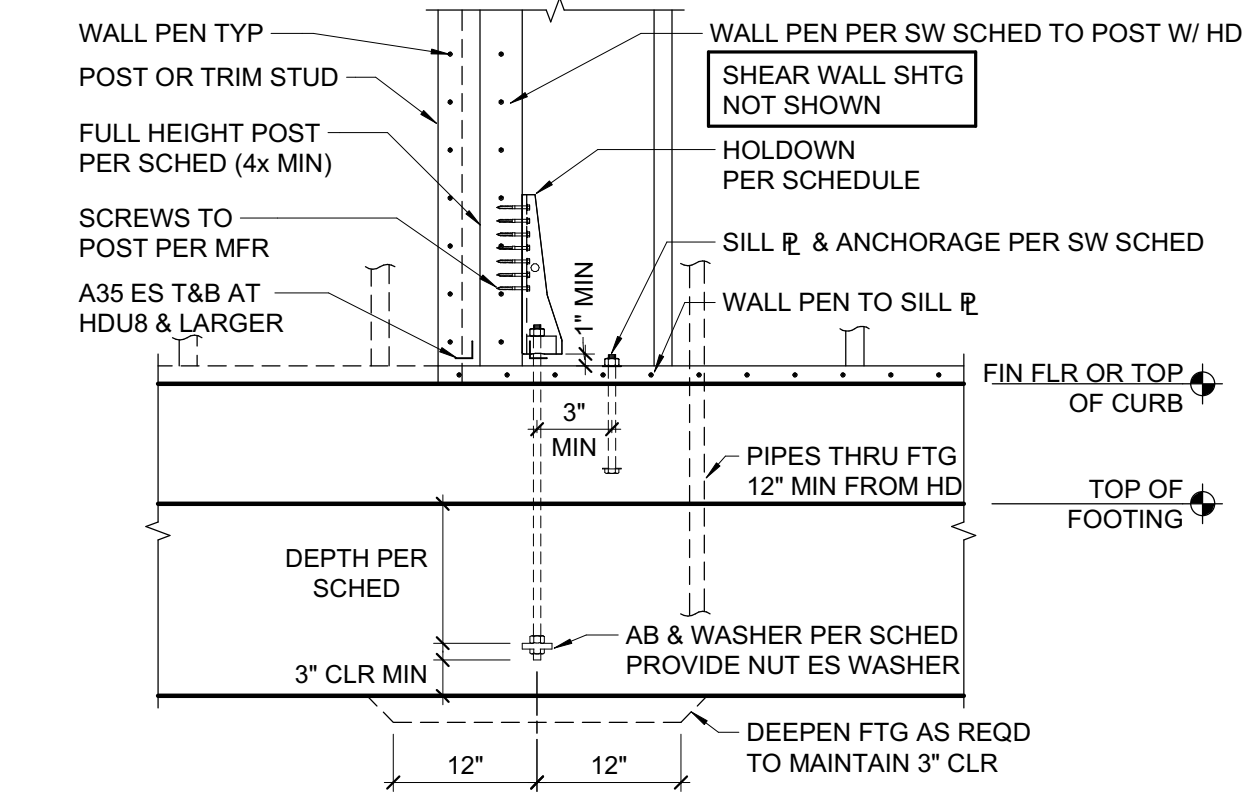


- NOTES:  
 1. OPENINGS < 6" SQ DO NOT REQUIRE BLOCKING AND STRAPPING.  
 2. NO ADDITIONAL OPENINGS WITHIN 4'-0" ALL AROUND.  
 3. NO OPENINGS PERMITTED IN SHEAR WALL (C) OR HIGHER OR IN SHEAR WALLS LESS THAN 10'-0" LONG UNLESS SPECIFICALLY DETAILED ON STRUCTURAL PLANS. CONTACT STRUCTURAL ENGINEER FOR ASSISTANCE.  
 4. FRAME OPENINGS PER 15103 WHERE STUDS ARE INTERRUPTED.

**6 SMALL OPENINGS IN SHEAR WALLS**  
 3/4" = 1'-0"

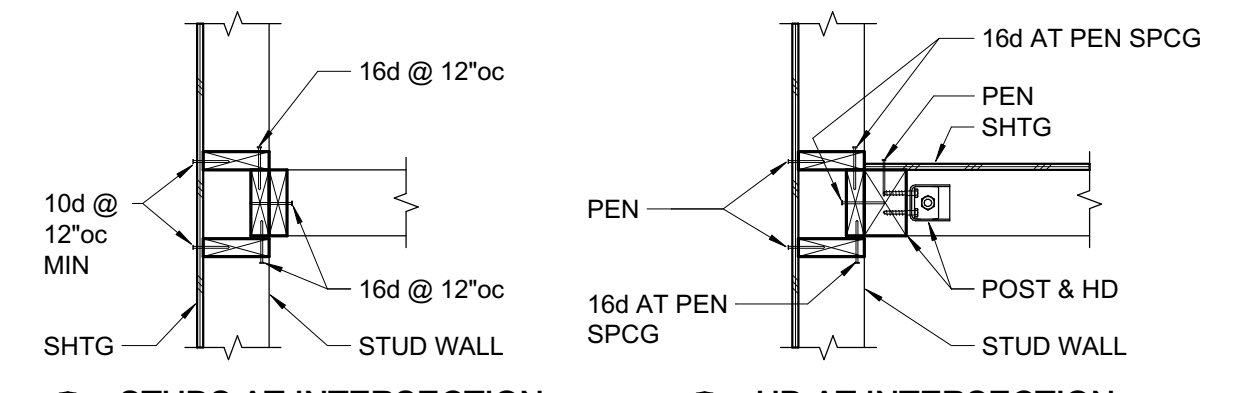


**4 TYPICAL NON-STRUCTURAL STUD WALL DETAILS**  
 3/4" = 1'-0"

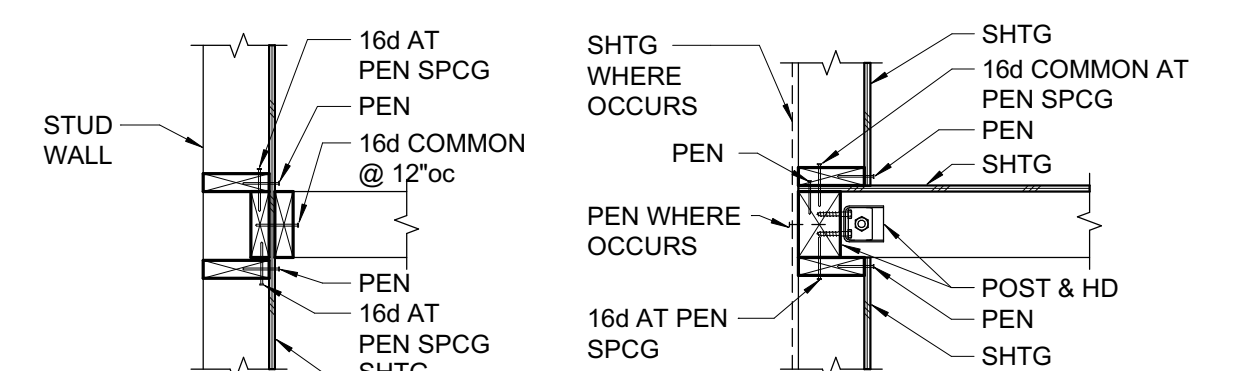


| HOLDOWN | AB OR THRD ROD | WASHER AT AB   | DEPTH | MIN FTG WIDTH | MIN POST SIZE UNO ON PLANS |
|---------|----------------|----------------|-------|---------------|----------------------------|
| HDU2    | 3/8"           | 1/2"x2 1/2" SQ | 12"   | 12"           | 4x                         |
| HDU4    | 3/8"           | 1/2"x2 1/2" SQ | 12"   | 12"           | 4x                         |
| HDU5    | 3/8"           | 1/2"x2 1/2" SQ | 12"   | 12"           | 4x                         |
| HDU8    | 1/2"           | 3/4"x3" SQ     | 15"   | 18"           | 6x6                        |
| HDU11   | 1"             | 3/4"x3 1/2" SQ | 15"   | 18"           | 6x6                        |
| HDU14   | 1"             | 3/4"x3 1/2" SQ | 21"   | 24"           | 6x6                        |

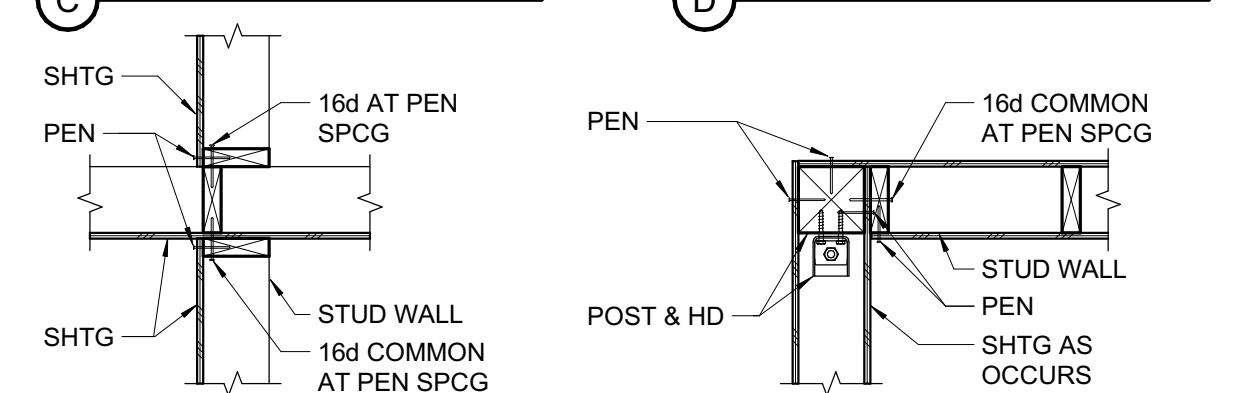
**8 TYPICAL HOLDOWN**  
 3/4" = 1'-0"



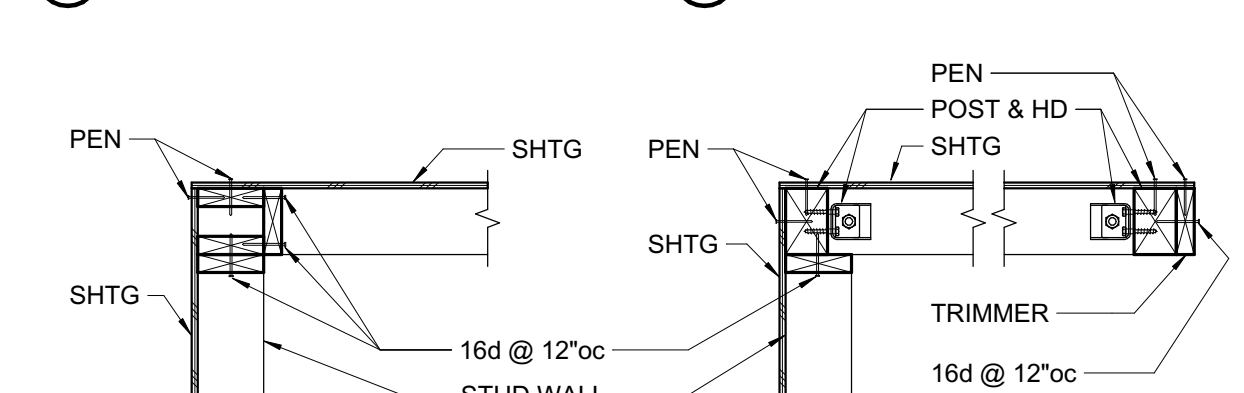
**A STUDS AT INTERSECTION**



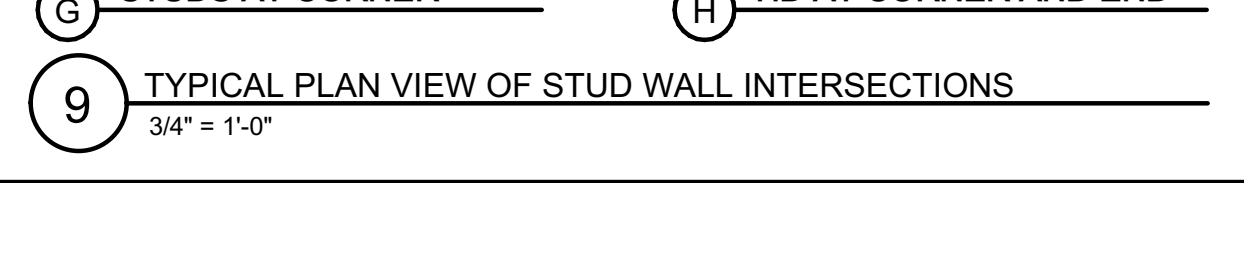
**B HD AT INTERSECTION**



**C STUDS AT INTERSECTION**



**D HD AT INTERSECTION**



**E STUDS AT INTERSECTION**



**F HD AT CORNER**



**G STUDS AT CORNER**

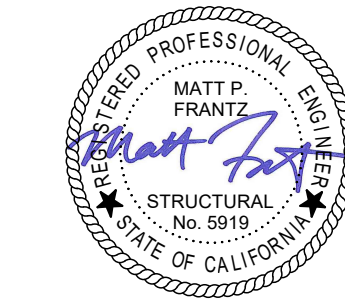


**H HD AT CORNER AND END**



**9 TYPICAL PLAN VIEW OF STUD WALL INTERSECTIONS**  
 3/4" = 1'-0"

STAMP



PROJECT ADDRESS

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 KENSINGTON, CA 94707

PROJECT TEAM

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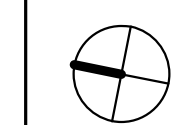
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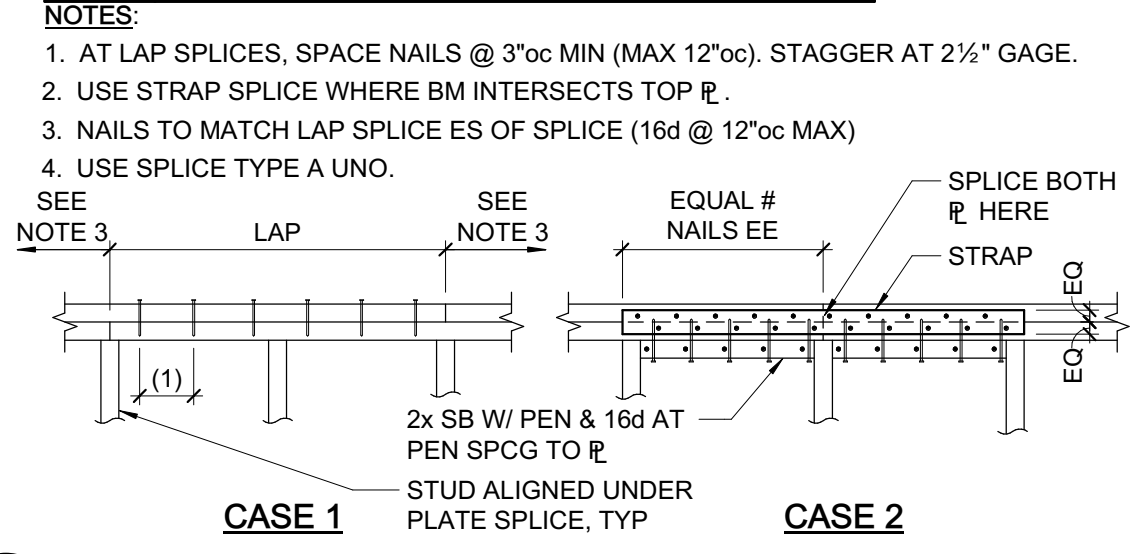
JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 TYPICAL WOOD DETAILS



**S104**

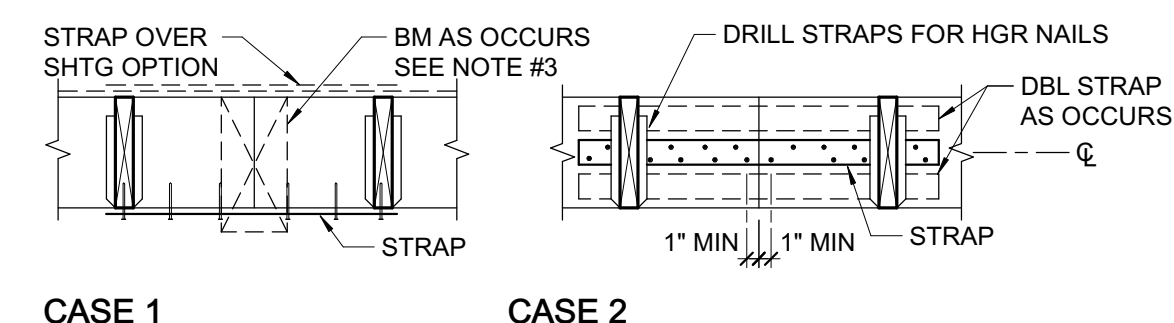
| TOP PLATE SPLICE SCHEDULE |  |                       |
|---------------------------|--|-----------------------|
| MARK                      | LAP SPLICE (CASE 1)                          | STRAP SPLICE (CASE 2) |
| A                         | (12) 16d PER 4'-0" MIN LAP                   | MSTC28                |
| B                         | (22) 16d PER 4'-0" MIN LAP                   | MSTC40                |
| C                         | (26) 16d PER 6'-0" MIN LAP                   | MSTC52                |
| D                         | (32) 16d PER 6'-0" MIN LAP                   | MSTC66                |
| E                         | (36) 16d PER 8'-0" MIN LAP                   | MSTC28 EA SIDE        |
| F                         | (44) 16d PER 8'-0" MIN LAP                   | MSTC40 EA SIDE        |
| G                         | (50) 16d PER 10'-0" MIN LAP                  | MSTC52 EA SIDE        |
| H                         | PROVIDE CONTINUOUS TOP PLATE. DO NOT SPLICE. |                       |



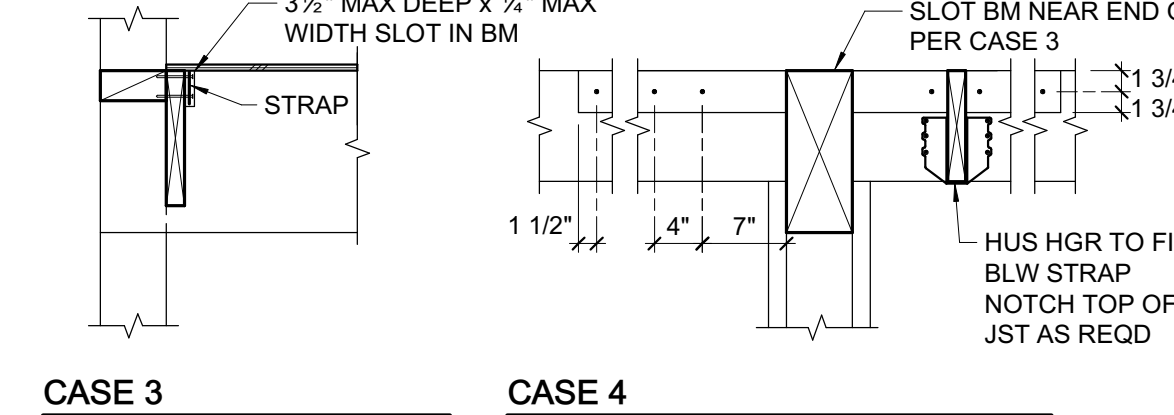
1 TOP PLATE SPLICE SCHEDULE AND DETAILS  
 3/4" = 1'-0"

| LEDGER SPLICE SCHEDULE |   |              |      |
|------------------------|---|--------------|------|
| MARK                   | CASE                                      | STRAP/PLATE  | CASE |
| A                      | 1   | MSTA24       | -    |
| B                      | 1   | MSTA30       | -    |
| C                      | 2   | MST148       | 3    |
| D                      | 2   | CMST14x5'-6" | 3    |
| E                      | 2   | (2) MST148   | 4    |
| F                      | PROVIDE CONTINUOUS LEDGER. DO NOT SPLICE. |              |      |

SPLICE NOTES:  
 1. PROVIDE 3x OR (2) 2x STUDS AT SPLICE  
 2. ALL NAILS TO BE 10d NAIL ALL HOLES  
 3. FOR CASE 1, SPLICE W/ MSTA36 AT BM  
 4. USE SPLICE TYPE 'A' UNO



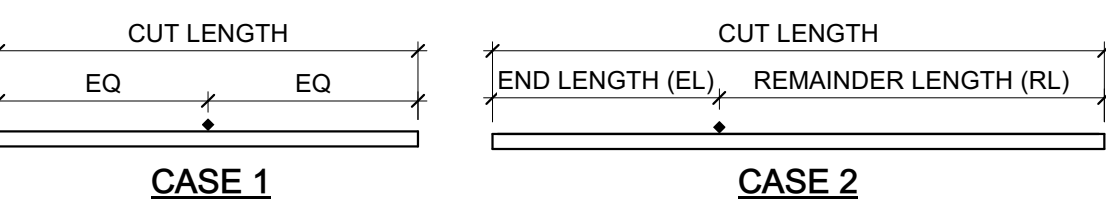
2 LEDGER OR RIM SPLICE SCHEDULE  
 3/4" = 1'-0"



3 TIE STRAP SCHEDULE  
 3/4" = 1'-0"

| MARK | STRAP   | MIN. NAILING ES OF * | MAX. NAIL SPACING (SEE NOTES #1 & #2) |                     | MIN. END LENGTH (EL) |
|------|---------|----------------------|---------------------------------------|---------------------|----------------------|
|      |         |                      | CASE 1                                | CASE 2              |                      |
| A    | CS16    | (10) 10d             | 10d @ 4"oc STGR                       | FILL ALL NAIL HOLES | 10d @ 4"oc STGR      |
| B    | CS14    | (13) 10d             | 10d @ 4"oc STGR                       | FILL ALL NAIL HOLES | 10d @ 4"oc STGR      |
| C    | CMSTC16 | (25) 10d             | 10d @ 3"oc STGR                       | FILL ALL NAIL HOLES | 10d @ 3"oc STGR      |
| D    | CMST14  | (33) 10d             | 10d @ 3"oc STGR                       | FILL ALL NAIL HOLES | 10d @ 3"oc STGR      |
| E    | CMST12  | (43) 10d             | 10d @ 3"oc STGR                       | FILL ALL NAIL HOLES | 10d @ 3"oc STGR      |

1. CASE 1 APPLIES UNLESS END LENGTH (EL) IS NOTED ON PLANS. WHERE END LENGTH (EL) IS NOTED, SEE CASE 2.  
 2. AS REQUIRED, PROVIDE CLOSER NAIL SPACING TO MEET MINIMUM NAILING EACH SIDE OF \*



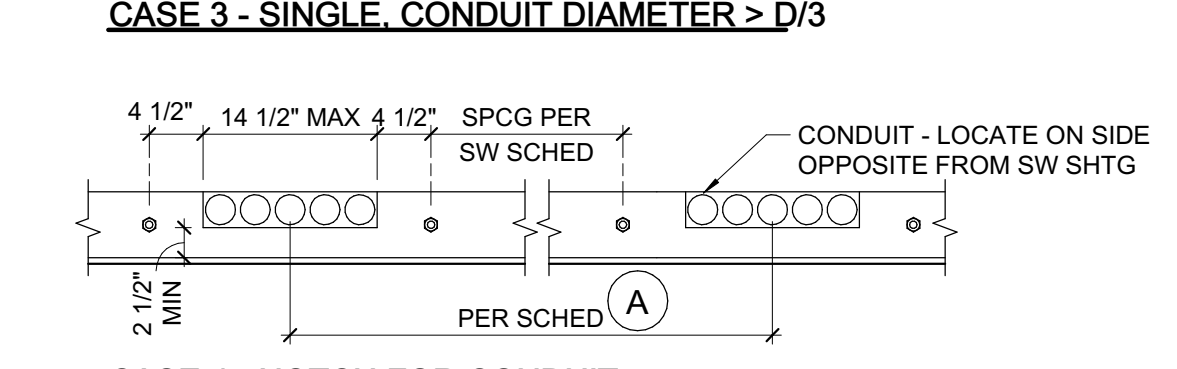
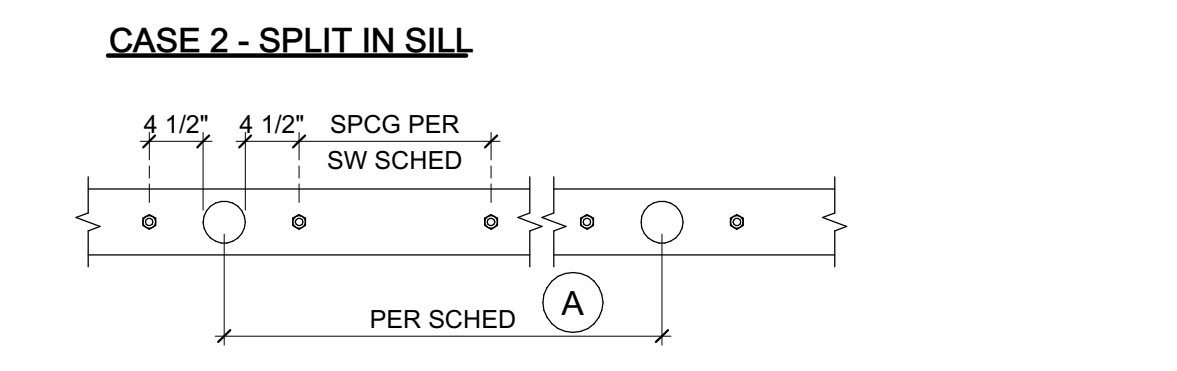
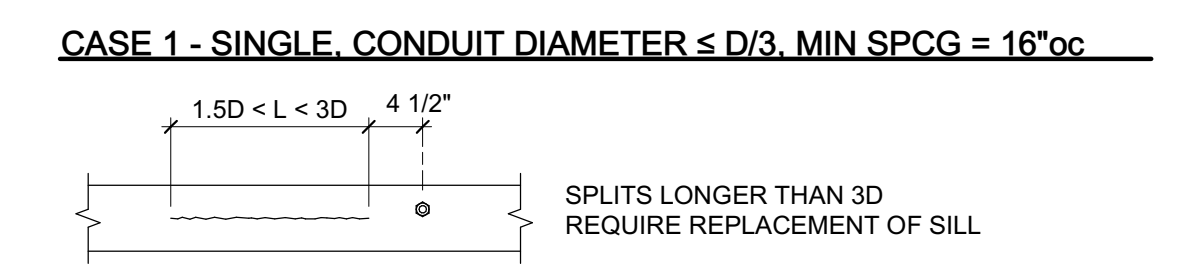
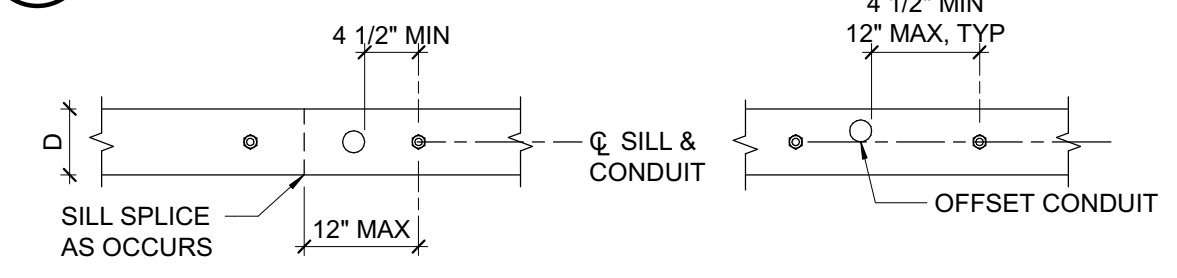
3. LOCATE STRAPS OVER SHEATHING AND BLOCK UNDER STRAP W/ FLAT 2x6 (2x4 AT CS16/CS14) WHERE NO FRAMING OCCURS, UNO.  
 4. SEE PLANS FOR STRAP LENGTHS, LOCATIONS AND DETAILS, UNO.  
 5. SPLICE STRAPS AS SHOWN WHERE LENGTH PER PLAN EXCEEDS AVAILABLE PRODUCT LENGTH

3 TIE STRAP SCHEDULE  
 3/4" = 1'-0"

| CEILING JOIST SCHEDULE |              |                    |                         |
|------------------------|--------------|--------------------|-------------------------|
| MAX SPAN               | JOIST SIZE   | HANGER IF REQUIRED | LEDGER IF REQUIRED      |
| 9'-0"                  | 2x4 @ 16"oc  | LU24               | 2x4 W/ (2) 16d @ 16"oc  |
| 12'-6"                 | 2x6 @ 16"oc  | LU26               | 2x6 W/ (3) 16d @ 16"oc  |
| 14'-0"                 | 2x8 @ 16"oc  | LU28               | 2x8 W/ (4) 16d @ 16"oc  |
| 19'-0"                 | 2x10 @ 16"oc | LU210              | 2x10 W/ (5) 16d @ 16"oc |

NOTES:  
 1. CEILING JOIST SCHEDULE IS BASED ON LL = 10 psf.  
 2. WHERE LEDGERS ARE NAILED THROUGH WALL SHTG, USE 20d NAILS IN LIEU OF 16d NAILS.  
 3. PROVIDE MIDSPAN BLOCKING AT 2x10 JOISTS.

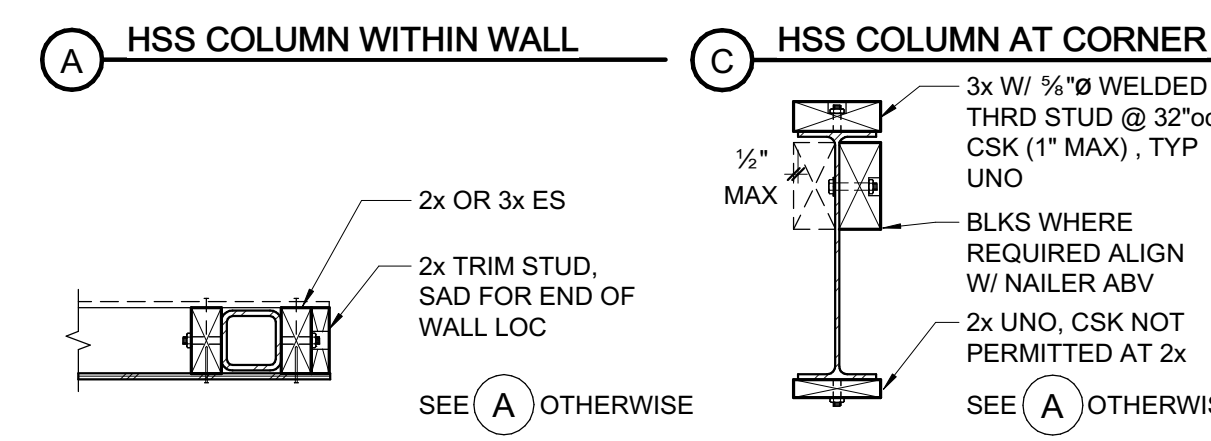
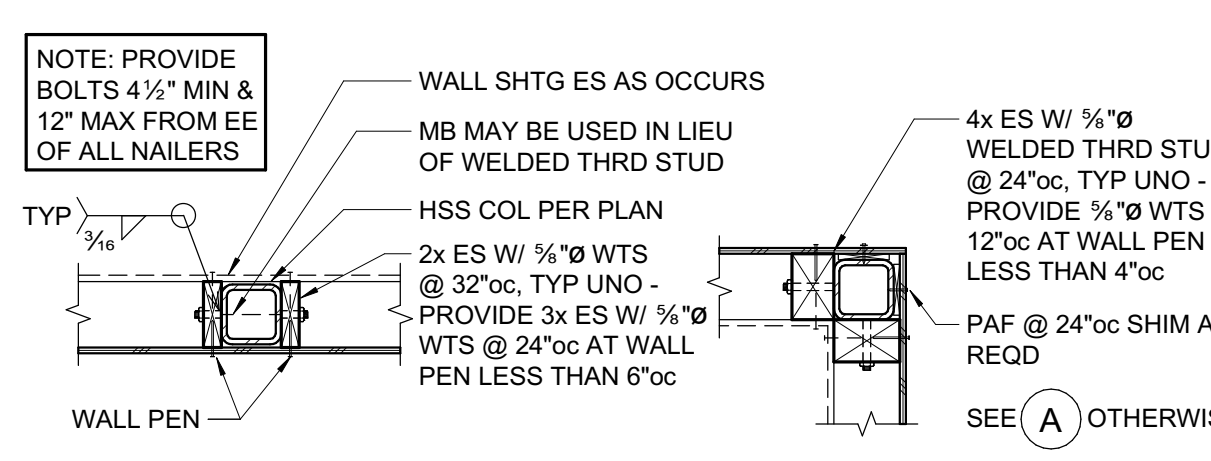
4 CEILING JOIST SCHEDULE  
 3/4" = 1'-0"



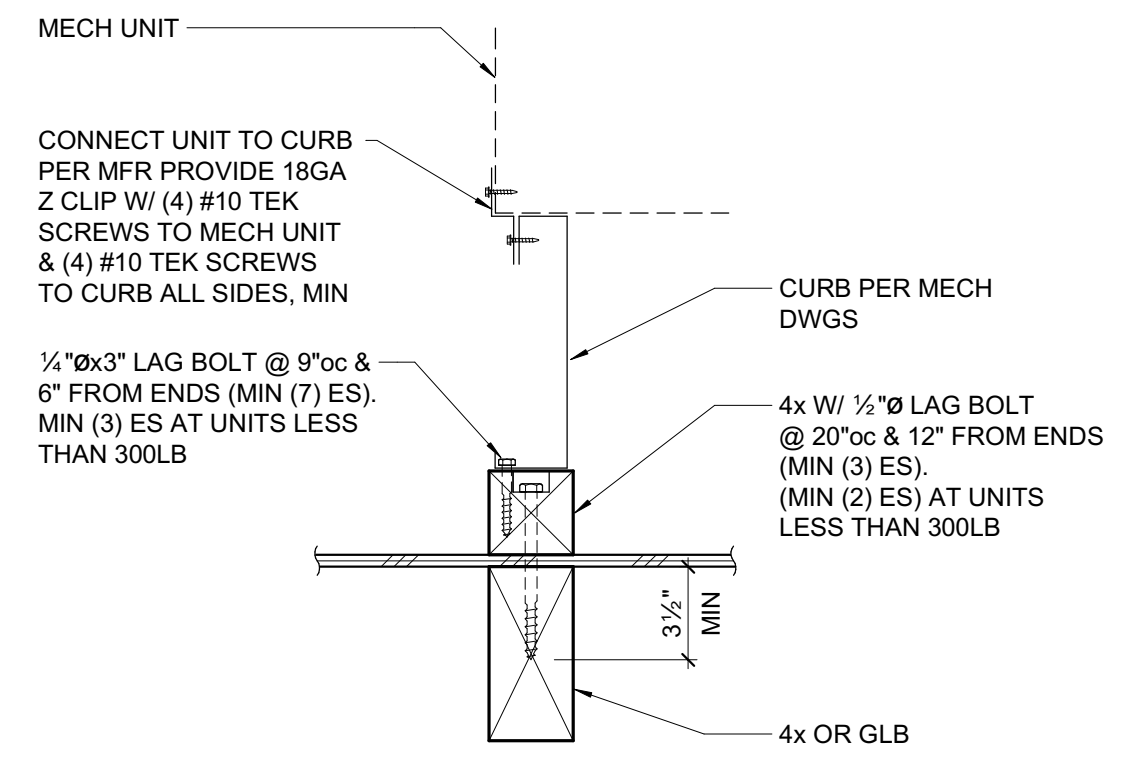
| SCHEDULE A |        |        |        |
|------------|--------|--------|--------|
|            | CASE 3 | CASE 4 | CASE 5 |
| SW (A)     | 48"    | 32"    | 48"    |
| SW (B)     | 64"    | 48"    | 64"    |
| SW (C)     | 80"    | 64"    | N/A    |
| SW (D)     | N/A    | N/A    | N/A    |

NOTE:  
 1. ALL PENETRATIONS THROUGH SHEAR WALL SILL PLATE SHALL CONFORM TO THE REQUIREMENTS OF THIS DETAIL OR BE REROUTED PRIOR TO INSTALLATION OF SILL.  
 2. PROVIDE ADDITIONAL ANCHOR BOLTS AS REQUIRED TO MEET INDICATED SPACINGS. ADDITIONAL ANCHOR BOLTS TO BE INSTALLED AT CENTERLINE OF SILL PLATE PER 1935101 WHERE NECESSARY. AB DIA AS REQD BY SW SCHED.

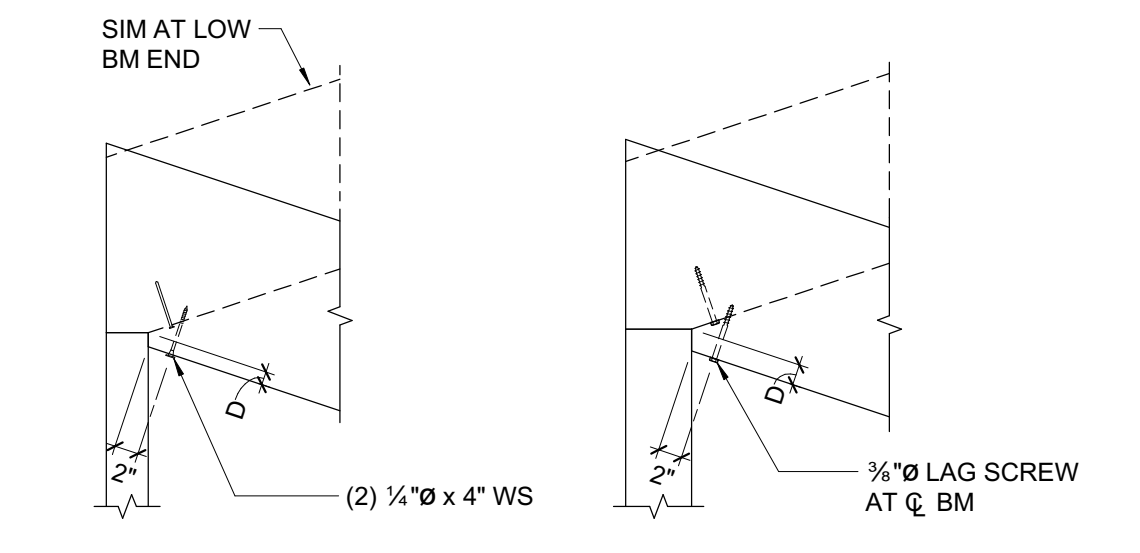
5 HOLES IN PLATES AT 2x6 SHEAR WALLS  
 3/4" = 1'-0"



6 TYPICAL STEEL BEAM/COLUMN NAILERS  
 3/4" = 1'-0"

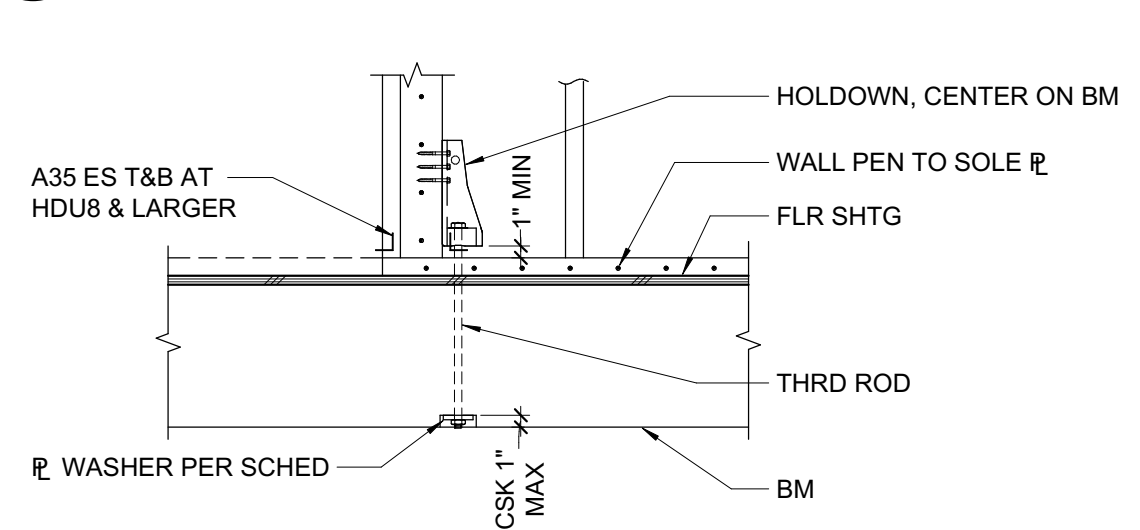


7 MECHANICAL CURB DETAIL ABOVE 4x OR GLB  
 1 1/2" = 1'-0"



NOTES:  
 1. DO NOT OVERCUT NOTCHES OR SEAT CUTS.  
 2. D MAX = BEAM DEPTH 4 SEE OTHER DETAILS FOR ADDITIONAL NOTCH OR SEAT CUT SIZE INFORMATION.  
 3. MINIMUM LAG SCREW LENGTH = D + 2 1/2".

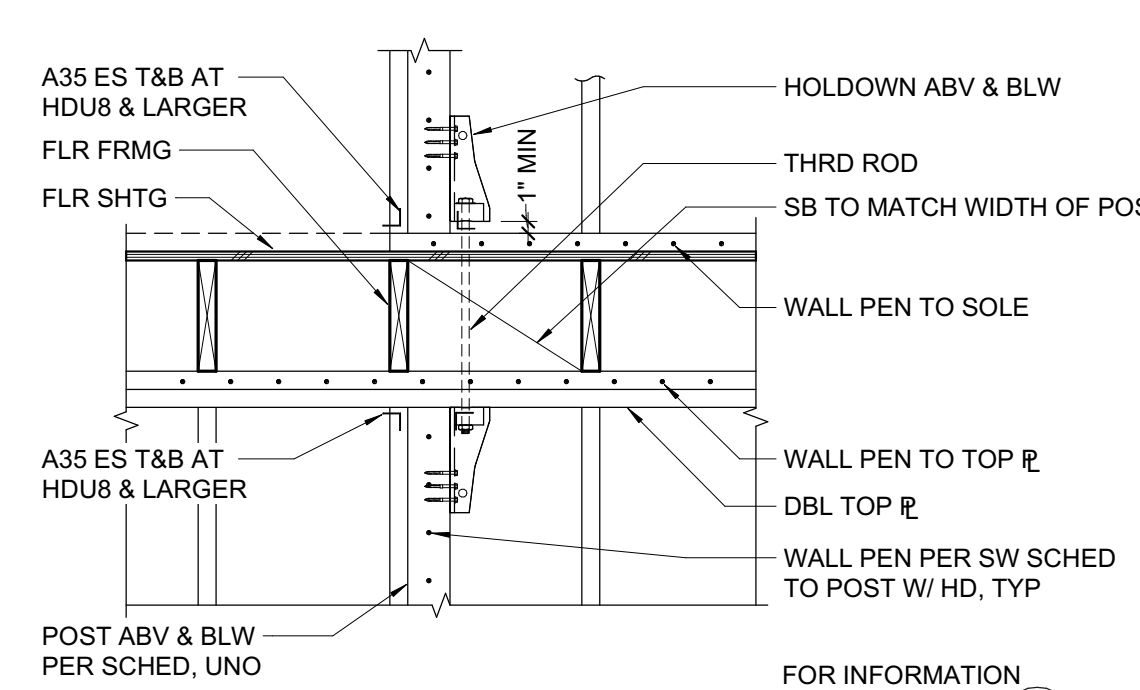
8 BEAM SEAT CUT/NOTCH REINFORCEMENT  
 3/4" = 1'-0"



| HOLDOWN | PL WASHER        |
|---------|------------------|
| HDU2    | 1/2" x 2 1/2" SQ |
| HDU4    | 1/2" x 2 1/2" SQ |
| HDU5    | 1/2" x 2 1/2" SQ |
| HDU8    | 3/4" x 3" SQ     |
| HDU11   | 3/4" x 3" SQ     |
| HD12    | 3/4" x 3 1/2" SQ |

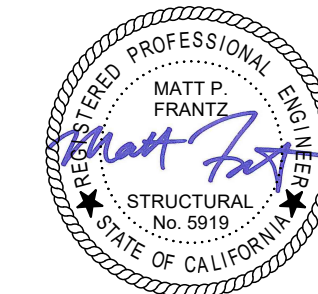
FOR INFORMATION NOT NOTED SEE S103

9 TYPICAL HOLD-DOWN OVER BEAM  
 3/4" = 1'-0"



FOR INFORMATION NOT NOTED SEE S103

10 TYPICAL HOLD-DOWN FROM FLOOR TO FLOOR  
 3/4" = 1'-0"



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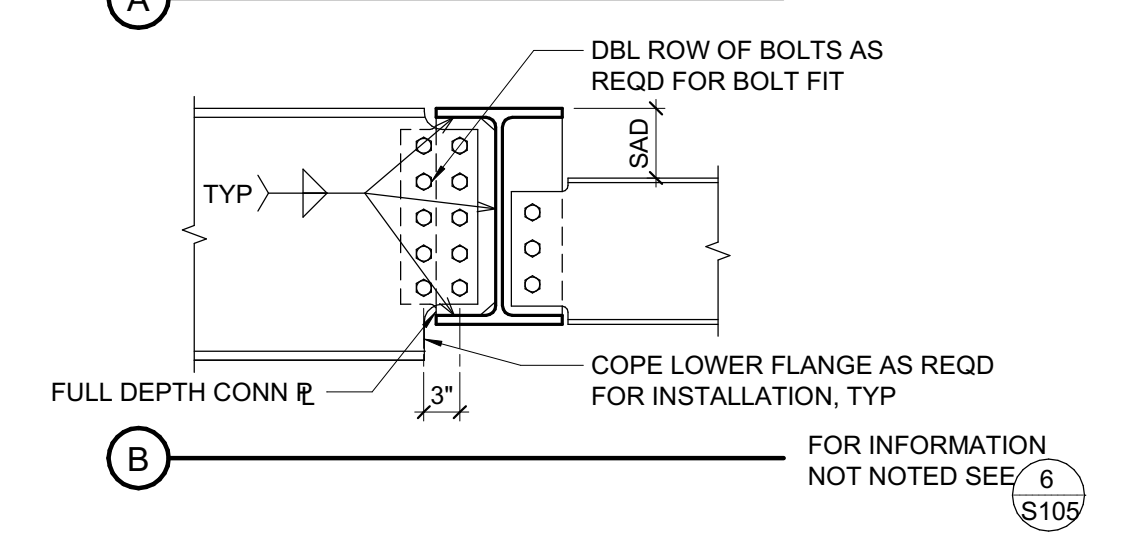
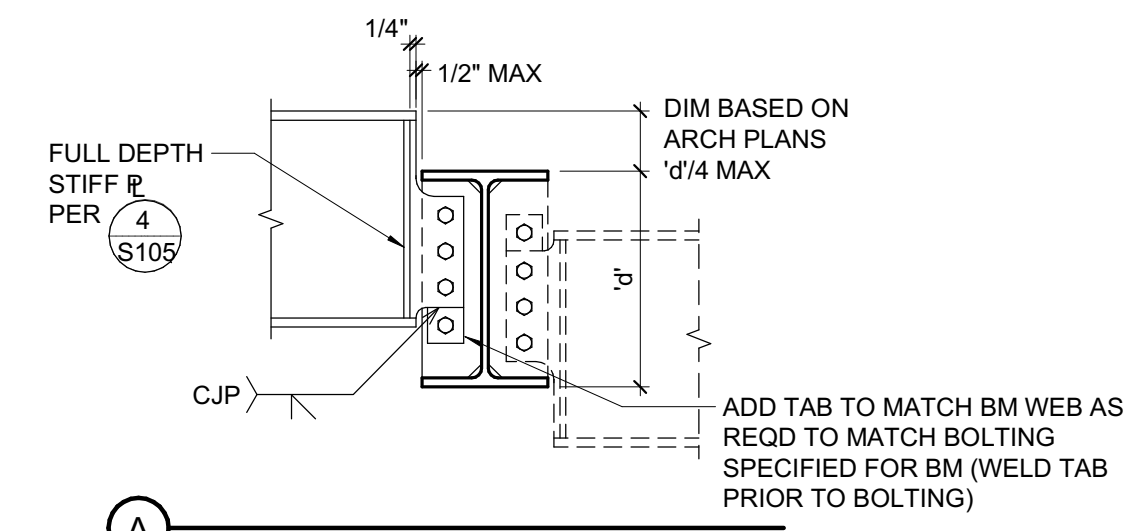
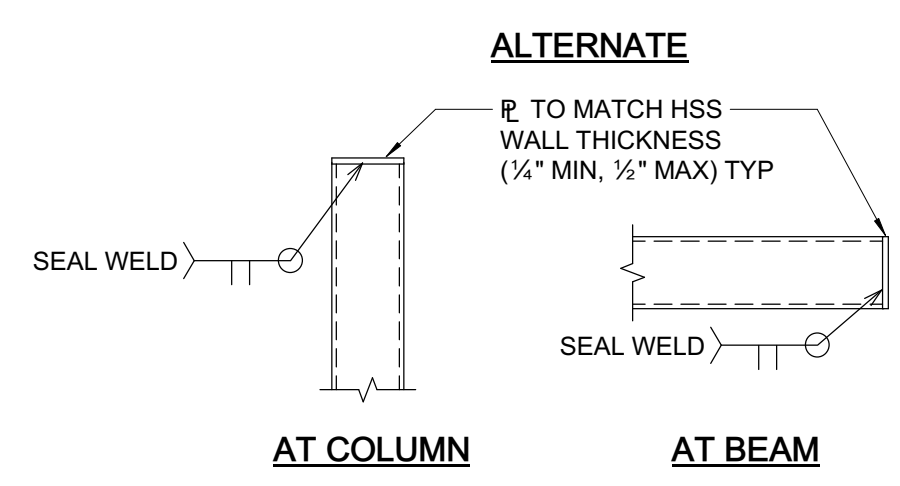
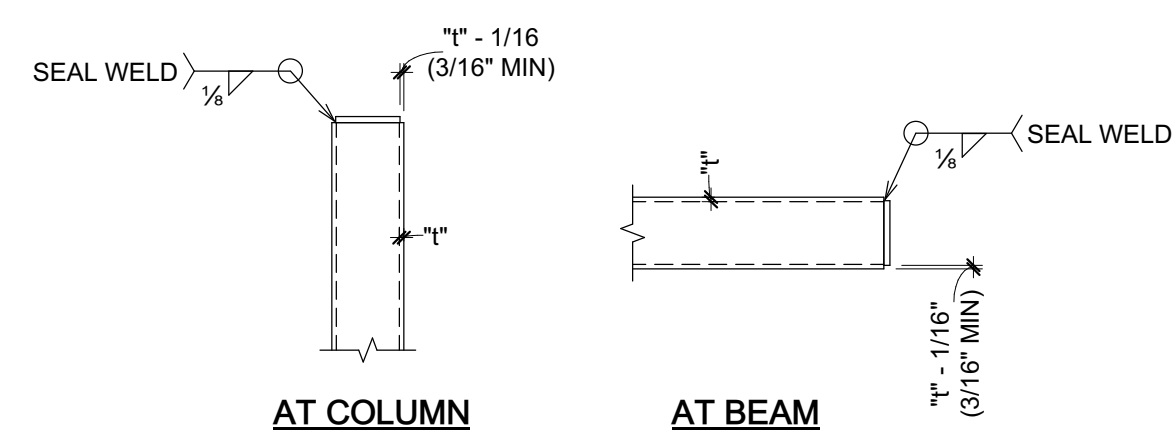
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
**TYPICAL STEEL FRAMING DETAILS**

**S105**

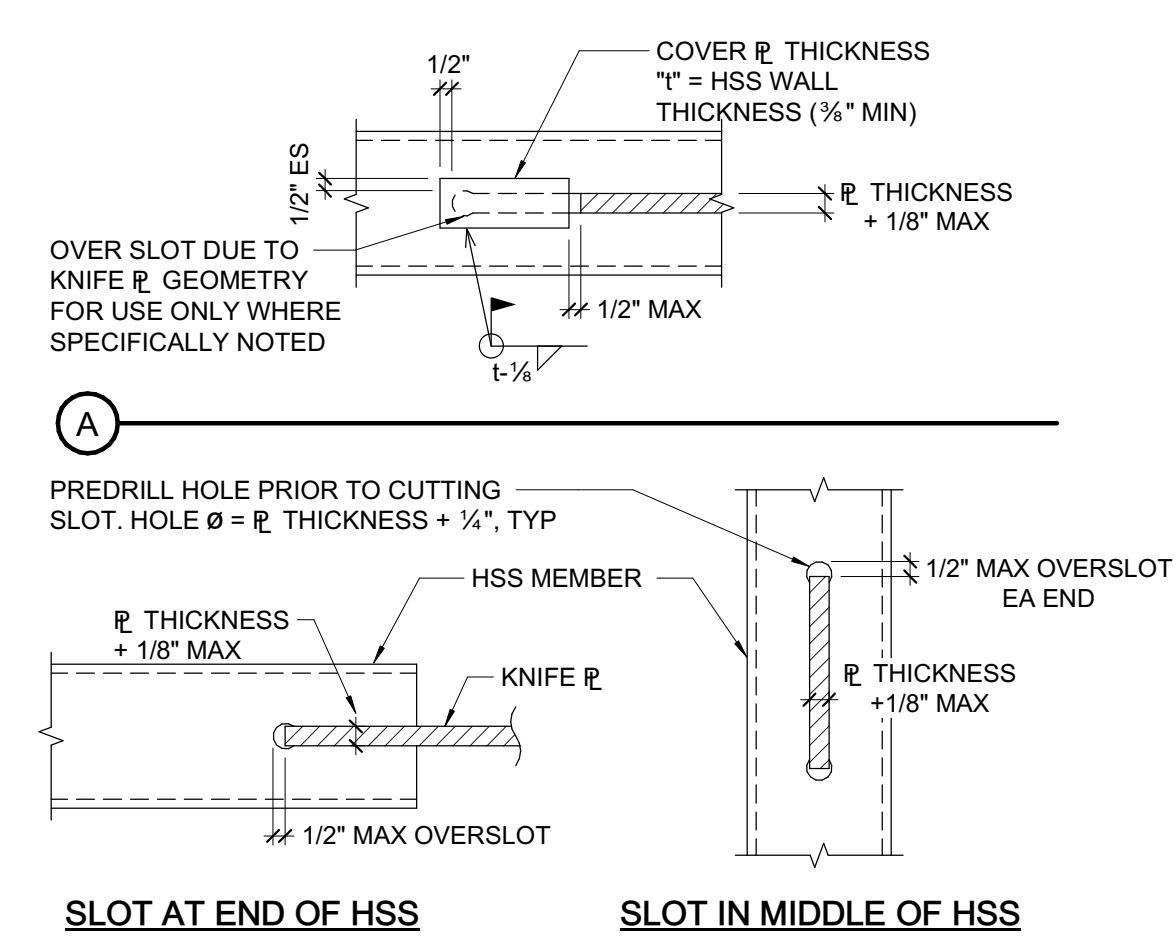
PERMIT DRAWINGS - NOT FOR CONSTRUCTION



| BEAM DEPTH | NO. BOLTS PER ROW | CONN. PLATE | WELD SIZE |
|------------|-------------------|-------------|-----------|
| W8, W10    | 2                 | R 3/8       | 3/8"      |
| W12        | 3                 | R 3/8       | 3/8"      |

- NOTES:
- R = 1 1/4" SEE TYP CONNECTION DETAILS. BOLT SPACING AND EDGE DISTANCE SHALL CONFORM TO AISC SPECIFICATIONS.
  - HIGH STRENGTH BOLTS (HSB) ARE GRADE A325-N UNO. PREPARE MATING SURFACES & TIGHTEN "SNUG TIGHT" AS DEFINED IN THE SPECIFICATIONS. AT LINES MARKED "SFRS" (SEISMIC FORCE RESISTING SYSTEM) HSB AND MATING SURFACES ARE SLIP CRITICAL CLASS A, UNO.
  - USE ASTM A36 CONNECTION PLATES, UNO.
  - A COMPLETE PENETRATION BEVEL WELD MAY BE SUBSTITUTED FOR THE FILLET WELDS SPECIFIED.
  - HOLE SIZE = BOLT SIZE + 1/16" (BOLT SIZE + 1/8" FOR 1" AND LARGER BOLTS). SHORT SLOTTED HOLES (+1/16" VERT, + 1/8" HORIZ) MAY BE SUBSTITUTED (EXCEPT AS NOTED) ROUND HOLES ARE REQUIRED AT SFRS CONNECTIONS.

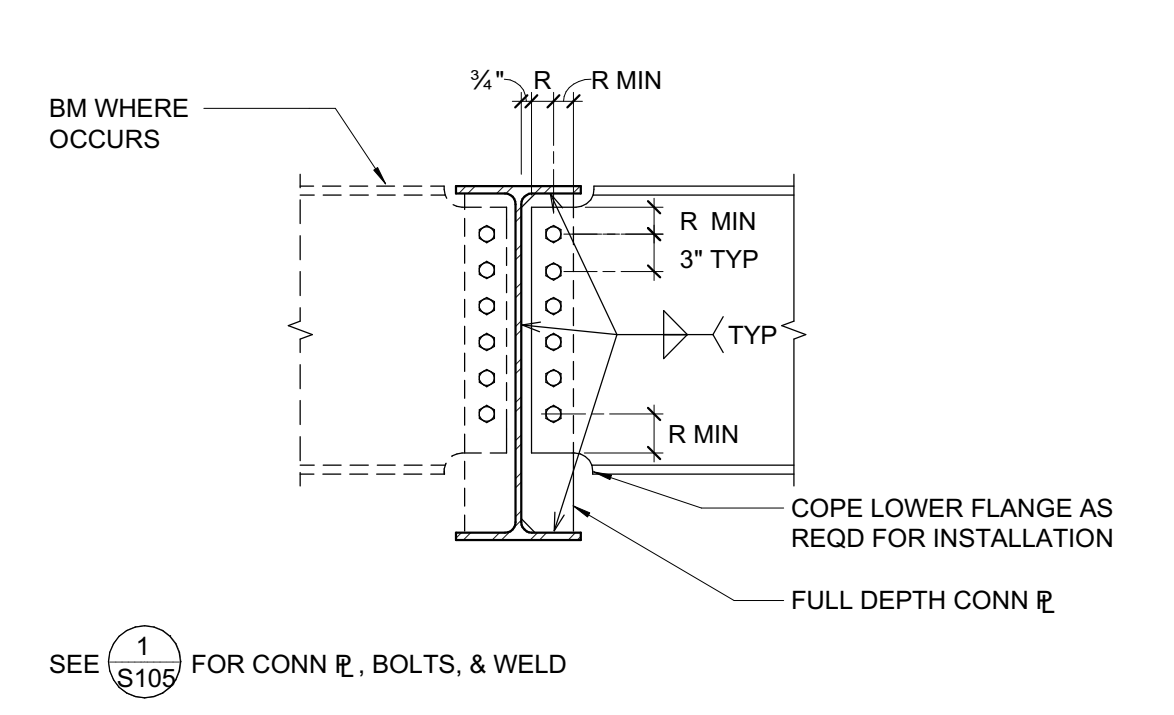
9 TYPICAL CAP PLATE  
 3/4" = 1'-0"



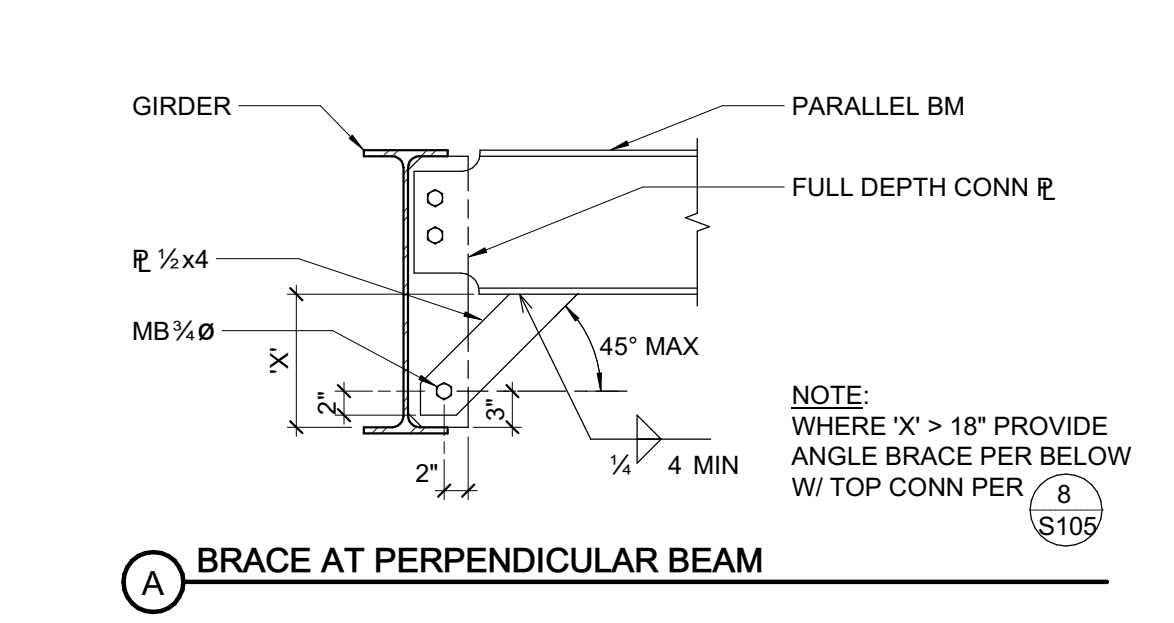
10 TYPICAL SLOTTED HSS FOR GUSSET CONNECTION  
 1 1/2" = 1'-0"



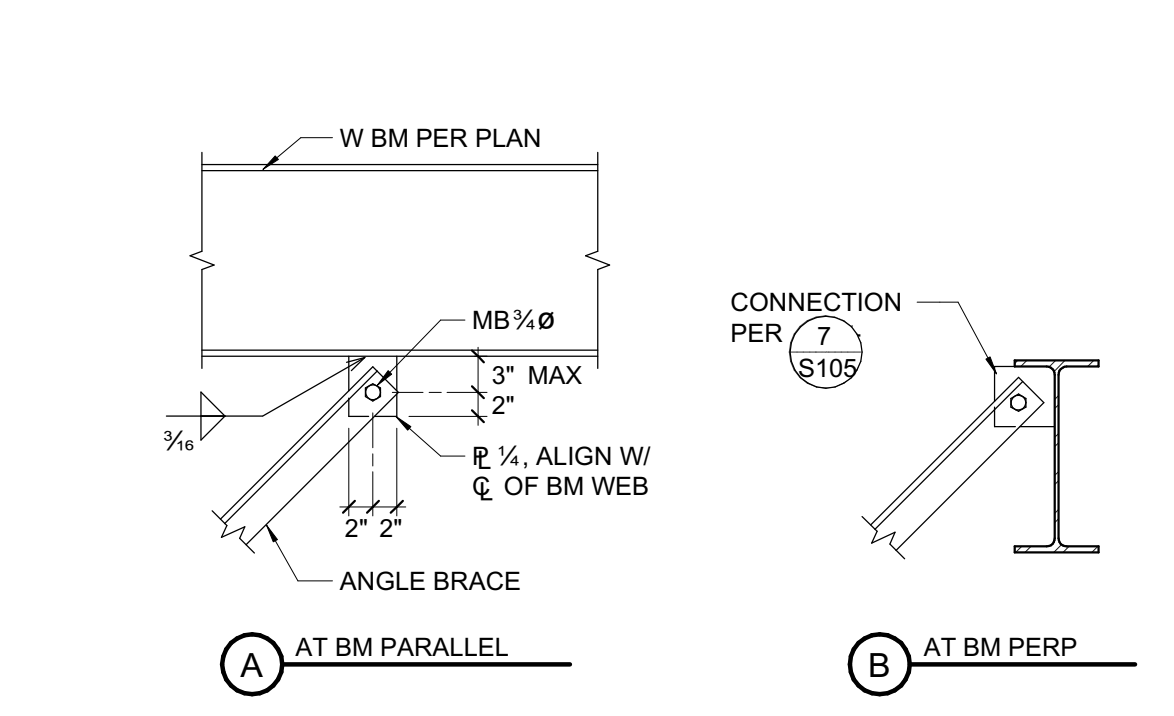
5 TYPICAL BEAM TO BEAM CONNECTIONS  
 3/4" = 1'-0"



6 TYPICAL FULL DEPTH BEAM TO BEAM CONNECTION  
 3/4" = 1'-0"

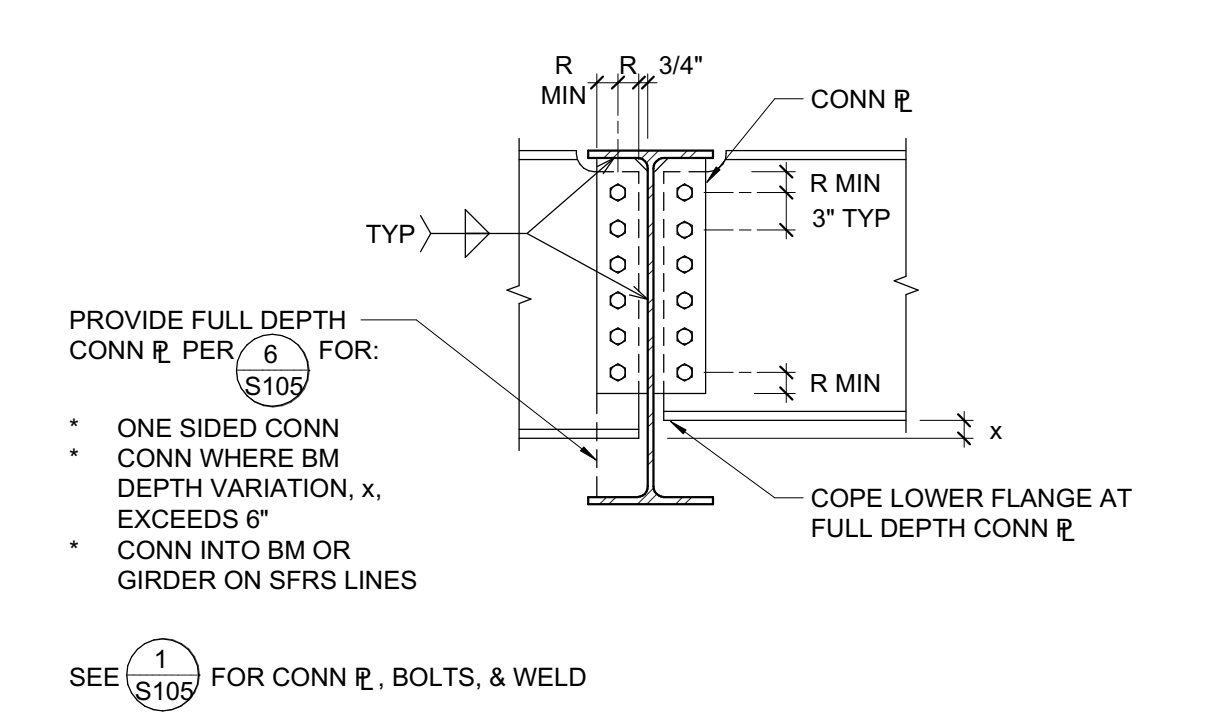


7 TYPICAL BEAM BOTTOM FLANGE BRACE  
 3/4" = 1'-0"

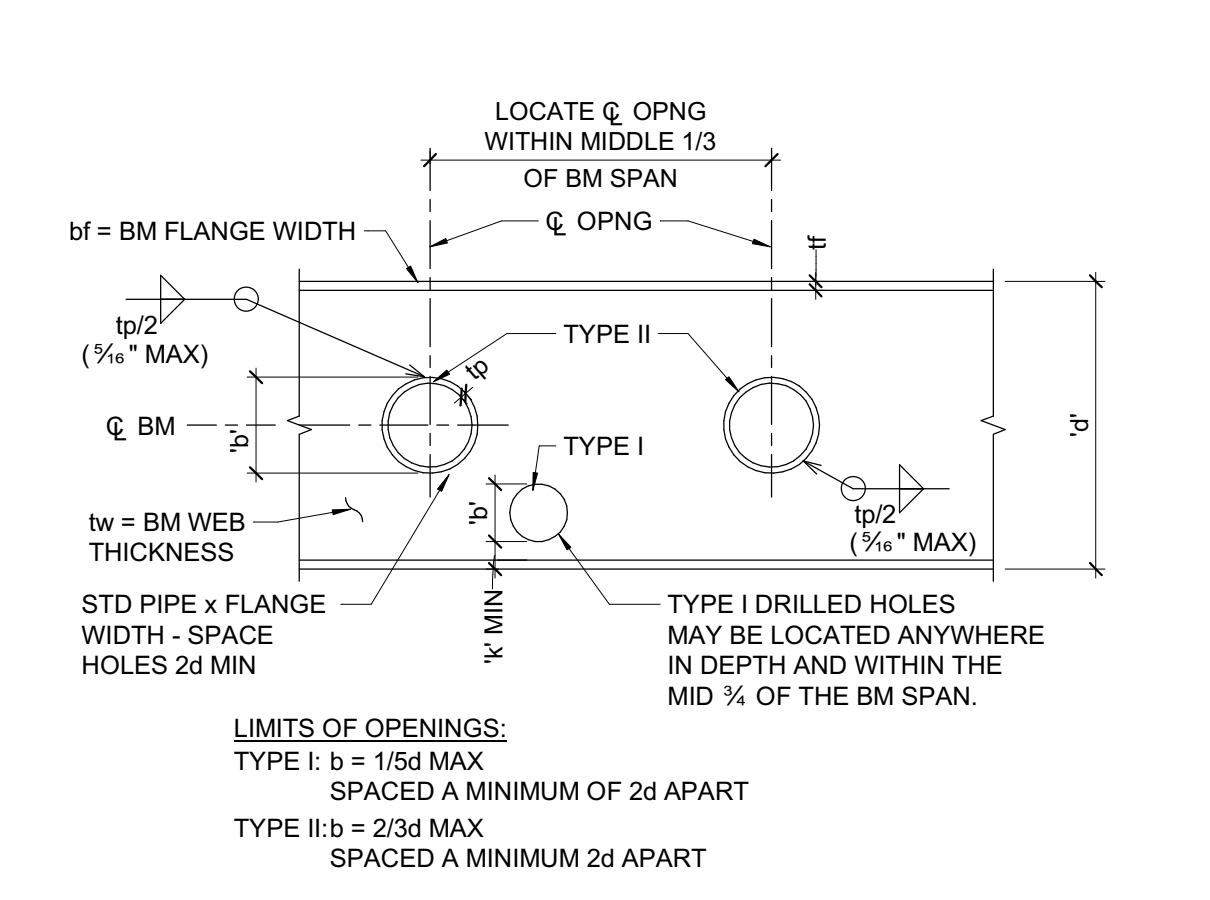


8 TOP OF BRACE  
 3/4" = 1'-0"

1 3/8\"/>
 3/4" = 1'-0"

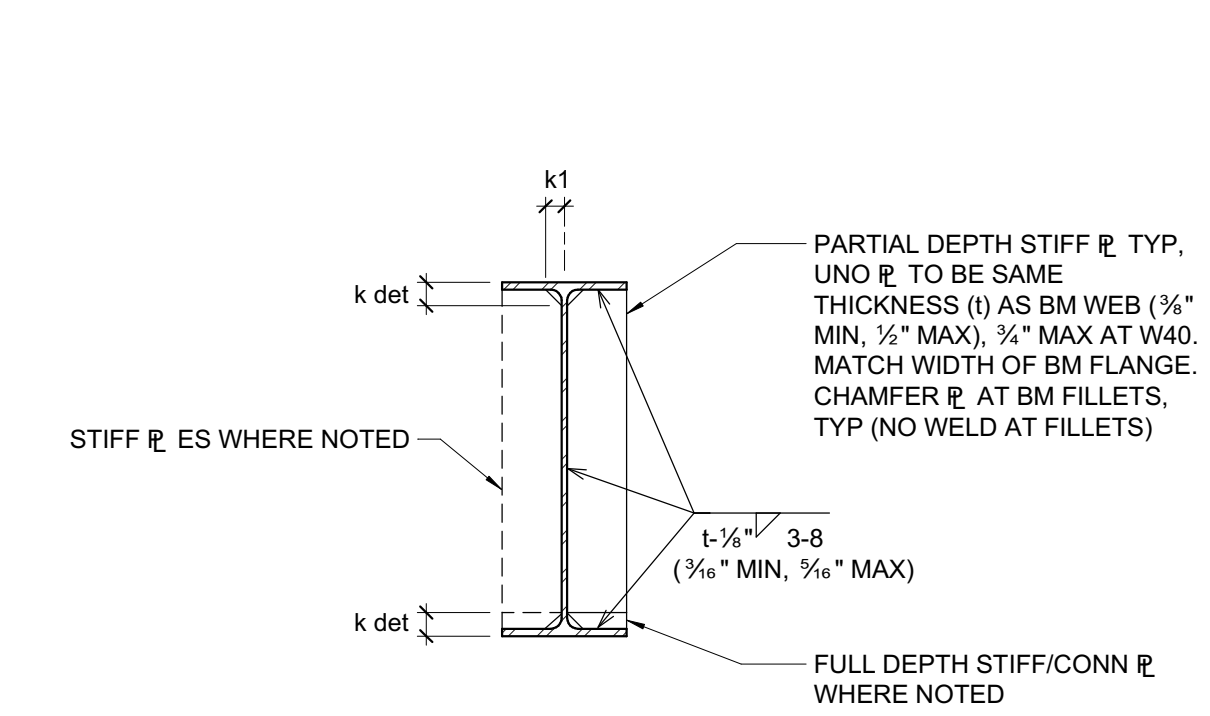


2 TYPICAL BEAM TO BEAM CONNECTION  
 3/4" = 1'-0"



- NOTES:
- PROVIDE HOLES IN BEAMS ONLY WHERE SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS.
  - DO NOT TORCH CUT OPENINGS ON SITE. TORCH CUT OPENINGS MADE IN SHOP TO BE GROUND SMOOTH. NO OVERCUTS OF ANY TYPE ALLOWED WITHOUT REPAIR.

3 OPENING IN STEEL BEAM  
 3/4" = 1'-0"



4 TYPICAL BEAM WEB STIFFENER PLATE DETAIL  
 3/4" = 1'-0"

8 TOP OF BRACE  
 3/4" = 1'-0"

| CONTINUOUS FOOTING SCHEDULE |     |     |            |                      |
|-----------------------------|-----|-----|------------|----------------------|
| MARK                        | 'b' | 'd' | REINF 'a'  | REMARKS              |
| CF24                        | 24" | 24" | (4) #6 T&B | TYP UNO              |
| CF24A                       | 24" | 52" | (3) #5 T&B |                      |
| CF30                        | 30" | 30" | (5) #6 T&B | #3 STIRRUPS AT 12"oc |

| CONCRETE GRADE BEAM (GB) SCHEDULE |     |     |                            |     |        |         |                   |     |      |    |         |     |                       |            |
|-----------------------------------|-----|-----|----------------------------|-----|--------|---------|-------------------|-----|------|----|---------|-----|-----------------------|------------|
| MARK                              | B   | H   | LONGITUDINAL REINFORCEMENT |     |        |         | STIRRUPS AND TIES |     |      |    | REMARKS |     |                       |            |
|                                   |     |     | TYP                        | ADD | TYP    | ADD "A" | SIDE BARS         | TYP | SIZE | S3 |         | S4  | LENGTH L <sub>1</sub> |            |
| GB24                              | 24" | 24" | (3)-#5                     | -   | (3)-#5 | -       | -                 | -   | -    | -  | 12"     | 12" | FULL                  |            |
| GB24A                             | 24" | 30" | (4)-#7                     | -   | (4)-#7 | -       | -                 | -   | -    | -  | 6"      | 12" | 5'                    | 135° HK ES |
| GB30                              | 30" | 30" | (5)-#6                     | -   | (5)-#6 | -       | -                 | -   | -    | -  | 12"     | 12" | FULL                  |            |
| GB24B                             | 24" | 24" | (3)-#5                     | -   | (3)-#5 | -       | -                 | -   | T1   | #4 | 6"      | 12" | 4'                    | 135° HK ES |

**FOUNDATION PLAN NOTES:**

- REFER TO SHEETS S001, S101, S102, S103, S104 AND S105 FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAIL SHEETS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
- DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- SEE DETAILS FOR CURB LOCATIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES. PROVIDE LONGER ANCHOR BOLTS AT CURBS PER C/S001.
- ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS ON PLANS (INCLUDING WALLS ADJACENT TO SEISMIC GAPS) SHALL BE SHEATHED AS SHEAR WALL TYPE 'A' PER SHEAR WALL SCHEDULE, UNO.
- PLUMBING AND ELECTRICAL CONDUIT AND GROUND STRAP SHALL NOT BE LAID WITHIN FOUNDATIONS. NO UTILITY PIPES OR CONDUITS SHALL BE LOCATED THRU COLUMN FOOTINGS OR FRAME FOOTINGS. NO PIPES OR CONDUITS THRU SILL PLATES SHALL BE WITHIN 12" OF HOLDOWN BOLTS. NO MECHANICAL, ELECTRICAL OR PLUMBING OPENINGS SHALL BE LOCATED IN SHEAR WALLS UNLESS SHOWN AND DETAILED ON THE STRUCTURAL DRAWINGS. NO VERTICAL OR HORIZONTAL PIPES OR CONDUITS SHALL BE LOCATED THROUGH STEEL FRAMES, STEEL COLUMNS, OR STEEL BASE PLATES. PROVIDE FURRING AND/OR THICKENED CONCRETE WHERE REQUIRED TO CLEAR UTILITY SYSTEMS. NOTIFY STRUCTURAL ENGINEER/ARCHITECT PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.

PIPES THROUGH FOOTINGS SHALL BE PER 2/S101 AND 3/S101.

PIPES PARALLEL TO FOOTINGS SHALL BE PER 4/S101.

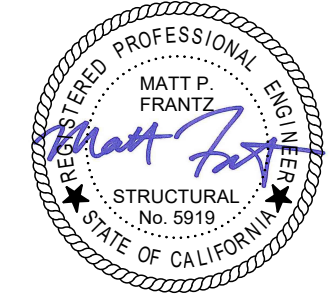
PIPES AT SLAB ON GRADE SHALL BE PER 7/S101.

PIPES THROUGH WOOD FRAMING SHALL BE PER 2/S103 AND 5/S104.

- ELEVATION OF THE TOP OF FINISHED SLAB = 0'-0", UNLESS NOTED OTHERWISE.
- TYPICAL STRUCTURAL WALL BLOCKING FOR ALL GRAB BAR, HANDRAIL, SHOWER SEAT AND OTHER ARCHITECTURAL (A), MECHANICAL (M), ELECTRICAL (E), PLUMBING (P) ATTACHMENTS SHALL BE 4x MINIMUM x WALL WIDTH STUD BLOCKS WITH A34 TOP AND BOTTOM, EACH END TYPICAL.

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 san carlos ca 94707 650.394.8869  
 san job no. 21479 copyright © 2022

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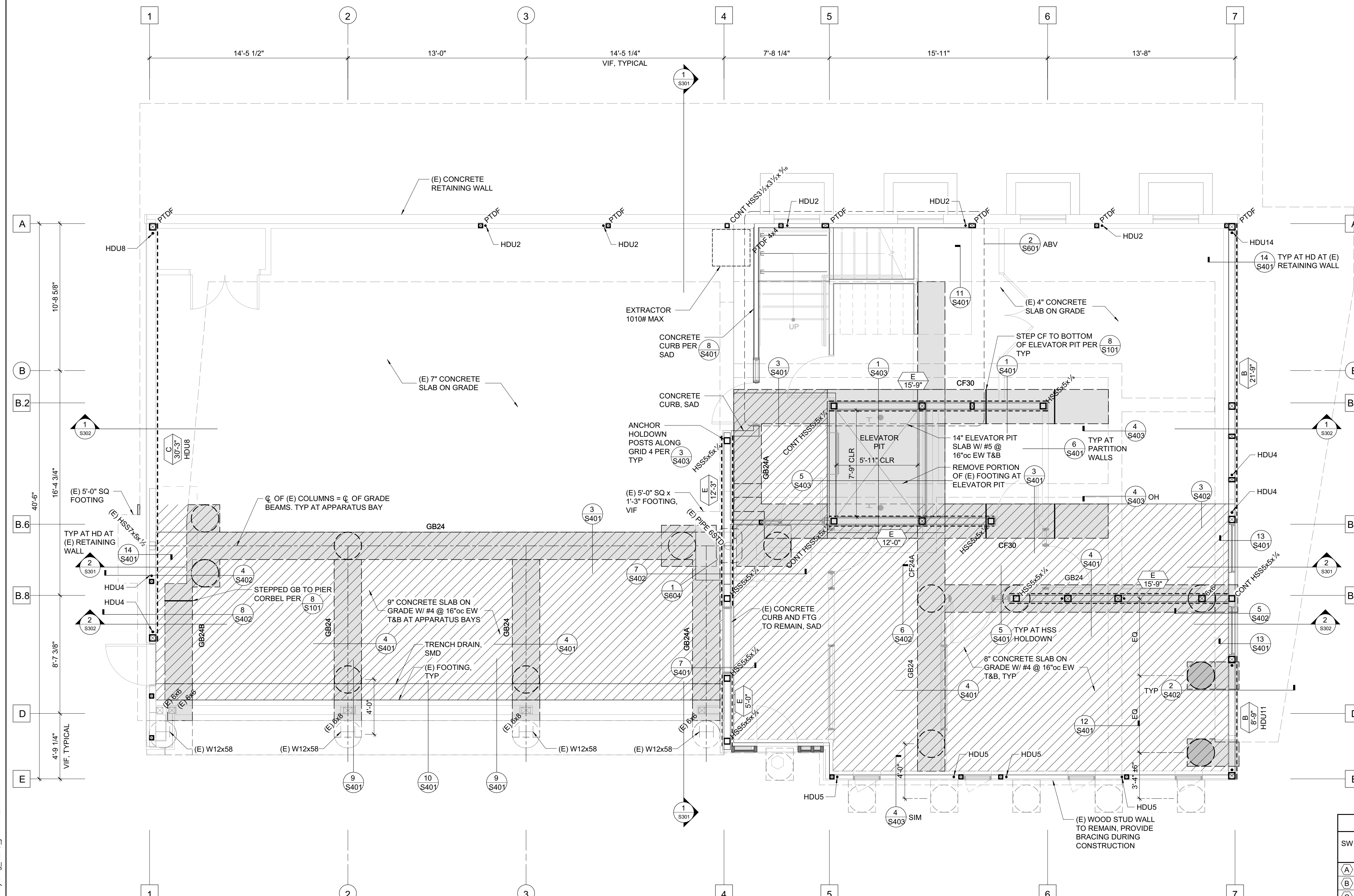
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| PLAN LEGEND |                  |  |
|-------------|------------------|--|
| SYMBOL      | REFERENCE DETAIL | DESCRIPTION  |
|             | 1/S103           | INDICATES STRUCTURAL WALL.   |
|             | 7/S103<br>C/S002 | INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE. |
|             | E/S001           | INDICATES WOOD POST.   |
|             | 8/S103           | INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.                                    |
|             | 6/S104           | INDICATES STEEL COLUMN.  |
|             |                  | INDICATES FOUNDATION.  |
| CF24        |                  | INDICATES CONTINUOUS FOOTING SIZE AND REINFORCING PER SCHEDULE.  |
| GB24        |                  | INDICATES GRADE BEAM SIZE AND REINFORCING PER SCHEDULE.  |
|             |                  | INDICATES STEP IN ELEVATION. SEE ARCHITECTURAL DRAWINGS.   |
| 88          |                  | INDICATES GRIDLINE AT FACE OF STUD.  |
| 88          |                  | INDICATES GRIDLINE AT CENTERLINE OF COLUMN.  |
|             |                  | INDICATES ELEVATION.   |
|             |                  | INDICATES EXISTING FOUNDATION.   |
|             |                  | INDICATES EXISTING FRAMING.  |
|             |                  | HATCHED REGION INDICATES NEW SLAB ON GRADE.  |
|             | 1/S402           | INDICATES 24"Ø x 17'-0" MIN DRILLED CONCRETE PIER.   |
|             |                  | INDICATES EXISTING CONCRETE PIER TO REMAIN.  |

| SHEAR WALL SCHEDULE |                                 |               |                       |         |                 |                     |                 |                                     |
|---------------------|---------------------------------|---------------|-----------------------|---------|-----------------|---------------------|-----------------|-------------------------------------|
| SW                  | APA RATED SHEATHING             | NAILING (PEN) | ANCHORAGE             |         |                 |                     | REMARKS         |                                     |
|                     |                                 |               | 1/2" BOLT FOR 2x SILL | 3x SILL | 16d             | AT FRAMING A35 SDS* |                 |                                     |
| (A)                 | 1/2" (32/16) EXP 1              | 10d @ 6"oc    | 32"oc                 | 48"oc   | 6"oc            | 24"oc               | 16"oc           |                                     |
| (B)                 | 1/2" (32/16) EXP 1              | 10d @ 4"oc    | 24"oc                 | 32"oc   | 4"oc            | 16"oc               | 10"oc           | 3x MIN AT ALL ADJOINING PANEL EDGES |
| (C)                 | 1/2" (32/16) EXP 1              | 10d @ 3"oc    | 16"oc                 | 24"oc   | 3"oc            | 8"oc                | 8"oc            |                                     |
| (D)                 | 1/2" (32/16) STRUC 1            | 10d @ 2"oc    | -                     | 16"oc   | (2) ROWS @ 4"oc | 8"oc                | 6"oc            |                                     |
| (E)                 | 1/2" (32/16) STRUC 1 BOTH SIDES | 10d @ 2"oc    | -                     | 12"oc   | (2) ROWS @ 2"oc | 6"oc                | (2) ROWS @ 6"oc |                                     |

\* 2x SILL: SDS 1/4"x4 1/2". 3x SILL: SDS 1/2"x6". FOR SDS @ 6"oc OR LESS, PROVIDE 4x BLKG BLW.



NOTE: CONTRACTOR TO SHORE EXISTING STRUCTURE ABOVE PRIOR TO UNDERPINNING OF EXISTING FOUNDATIONS. INSTALL NEW FOUNDATIONS ON EACH SIDE OF THE EXISTING FOOTINGS IN SEPARATE SEQUENCES TO AVOID SETTLEMENT OF EXISTING FOUNDATIONS. CONTRACTOR TO SUBMIT SEQUENCING PLAN TO SEOR FOR REVIEW PRIOR TO ANY EXCAVATIONS.

**FOUNDATION PLAN**  
 1/4" = 1'-0"

PERMIT DRAWINGS - NOT FOR CONSTRUCTION

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
**FOUNDATION PLAN**

**S201**

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| LEDGER SPLICE SCHEDULE |   |              |      |                                  |
|------------------------|---|--------------|------|----------------------------------|
| MARK                   | CASE                                      | STRAP/PLATE  | CASE | STRAP/PLATE                      |
| A                      | 1   | MSTA24       | -    |                                  |
| B                      | 1   | MSTA30       | -    |                                  |
| C                      | 2   | MST148       | 3    | MST160                           |
| D                      | 2   | CMST14x5'-6" | 3    | CMST14x6'-0"                     |
| E                      | 2   | (2) MST148   | 4    | R 1/2" W/ (6) 1" MB ES OF SPLICE |
| F                      | PROVIDE CONTINUOUS LEDGER. DO NOT SPLICE. |              |      |                                  |

| TOP PLATE SPLICE SCHEDULE |  |                       |
|---------------------------|--|-----------------------|
| MARK                      | LAP SPLICE (CASE 1)                          | STRAP SPLICE (CASE 2) |
| A                         | (12) 16d PER 4'-0" MIN LAP                   | MSTC28                |
| B                         | (22) 16d PER 4'-0" MIN LAP                   | MSTC40                |
| C                         | (26) 16d PER 6'-0" MIN LAP                   | MSTC52                |
| D                         | (32) 16d PER 6'-0" MIN LAP                   | MSTC66                |
| E                         | (36) 16d PER 8'-0" MIN LAP                   | MSTC28 EA SIDE        |
| F                         | (44) 16d PER 8'-0" MIN LAP                   | MSTC40 EA SIDE        |
| G                         | (50) 16d PER 10'-0" MIN LAP                  | MSTC52 EA SIDE        |
| H                         | PROVIDE CONTINUOUS TOP PLATE. DO NOT SPLICE. |                       |

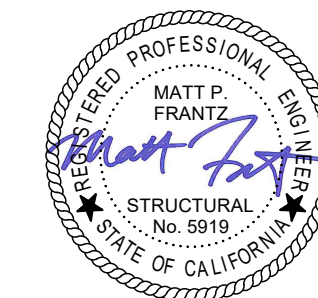
| TIE STRAP SCHEDULE |         |                      |                                       |                     |                      |
|--------------------|---------|----------------------|---------------------------------------|---------------------|----------------------|
| MARK               | STRAP   | MIN. NAILING ES OF * | MAX. NAIL SPACING (SEE NOTES #1 & #2) |                     | MIN. END LENGTH (EL) |
|                    |         |                      | CASE 1                                | CASE 2              |                      |
| A                  | CS16    | (10) 10d             | 10d @ 4"oc STGR                       | FILL ALL NAIL HOLES | 10d @ 4"oc STGR      |
| B                  | CS14    | (13) 10d             | 10d @ 4"oc STGR                       | FILL ALL NAIL HOLES | 10d @ 4"oc STGR      |
| C                  | CMSTC16 | (25) 10d             | 10d @ 3"oc STGR                       | FILL ALL NAIL HOLES | 10d @ 3"oc STGR      |
| D                  | CMST14  | (33) 10d             | 10d @ 3 1/2"oc STGR                   | FILL ALL NAIL HOLES | 10d @ 3 1/2"oc STGR  |
| E                  | CMST12  | (43) 10d             | 10d @ 3 1/2"oc STGR                   | FILL ALL NAIL HOLES | 10d @ 3 1/2"oc STGR  |

- CASE 1 APPLIES UNLESS END LENGTH (EL) IS NOTED ON PLANS. WHERE END LENGTH (EL) IS NOTED, SEE CASE 2.
- AS REQUIRED, PROVIDE CLOSER NAIL SPACING TO MEET MINIMUM NAILING EACH SIDE OF •.

FRAMING PLAN NOTES:

- REFER TO SHEETS S001, S103, S104 AND S105 FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAIL SHEETS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
- DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- MECHANICAL, ELECTRICAL AND PLUMBING PENETRATIONS THROUGH WALLS, ROOFS OR FLOORS SHALL BE PER REFERENCES BELOW UNLESS SHOWN AND DETAILED OTHERWISE ON THE STRUCTURAL PLANS. NOTIFY ARCHITECT/ENGINEER PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.
  - PENETRATIONS THROUGH SHEAR WALLS SHALL BE PER S103
  - PENETRATIONS THROUGH FLOORS/ROOFS SHALL BE PER S103
- ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS ON PLANS (INCLUDING WALLS ADJACENT TO SEISMIC GAPS) SHALL BE SHEATHED AS SHEAR WALL TYPE 'A' PER SHEAR WALL SCHEDULE, UNLESS NOTED OTHERWISE.
- ELEVATIONS ON PLANS AND DETAILS "•" ARE TO HEIGHTS ABOVE FINISHED GROUND FLOOR ELEVATION REFERENCE 0'-0". COORDINATE TOP OF FRAMING AND LEDGER HEIGHTS AS REQUIRED TO PROVIDE ROOF SLOPES AS SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- TYPICAL STRUCTURAL WALL BLOCKING FOR ALL GRAB BAR, HANDRAIL, SHOWER SEAT AND OTHER ARCHITECTURAL (A), MECHANICAL (M), ELECTRICAL (E), PLUMBING (P) ATTACHMENTS SHALL BE 4x MINIMUM x WALL WIDTH STUD BLOCKS WITH A34 TOP AND BOTTOM, EACH END TYPICAL.

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
 KENSINGTON, CA 94707

PROJECT TEAM

- CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
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- MEP: LIST ENGINEERING CO.  
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- ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
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| PLAN LEGEND     |                  |   |
|-----------------|------------------|---|
| SYMBOL          | REFERENCE DETAIL | DESCRIPTION   |
| =====           | 1/S103           | INDICATES STRUCTURAL WALL.  |
| =====           | 1/S103           | INDICATES STRUCTURAL WALL ABOVE.  |
| =====           | 7/S103<br>C/S002 | INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.                    |
| □               | E/S001           | INDICATES WOOD POST.  |
| □•              | 10/S104          | INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.   |
| □.□.□           | 6/S104           | INDICATES STEEL COLUMN.   |
| 3/4x12 GLB C-1" | E/S001           | INDICATES GLULAM BEAM SIZE AND CAMBER. WHERE NO CAMBER IS SPECIFIED SEE WOOD FRAMING NOTES FOR TYPICAL GLULAM BEAM CAMBER.                    |
| -----           | 11/S103          | INDICATES PANEL EDGE NAILING ALONG FULL LENGTH OF MEMBER.   |
| -----           | E/S001           | INDICATES HANGER.   |
| -----           |                  | INDICATES LEDGER. SEE PLAN FOR SIZE AND ANCHORAGE.  |
| 88              |                  | INDICATES GRIDLINE AT FACE OF STUD.   |
| 88              |                  | INDICATES GRIDLINE AT CENTERLINE OF COLUMN.   |
| 1 S3.1          |                  | INDICATES ELEVATION.  |
| MU 1,000#       | 7/S104           | INDICATES APPROXIMATE LOCATION, SIZE AND MAXIMUM WEIGHT OF MECHANICAL UNIT. SEE MECHANICAL DRAWINGS FOR ANCHORAGE AND ADDITIONAL INFORMATION. |
| -----           |                  | INDICATES STEP IN ELEVATION. SEE ARCHITECTURAL DRAWINGS.  |
| -----           |                  | INDICATES EXISTING FRAMING.   |
| -----           | 1/S104           | INDICATES TOP PLATE SPLICE. SPLICE TYPE SHALL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL. UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS.  |
| -----           | 2/S104           | INDICATES LEDGER/RIM SPLICE. SPLICE TYPE SHALL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL. UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS. |
| -----           | 3/S104           | INDICATES TIE STRAP. SEE SCHEDULE FOR STRAP, NAILING AND LENGTH.  |

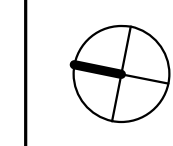
| SHEAR WALL SCHEDULE |                                     |               |               |            |                 |         |       |                                     |
|---------------------|-------------------------------------|---------------|---------------|------------|-----------------|---------|-------|-------------------------------------|
| SW                  | APA RATED SHEATHING                 | NAILING (PEN) | ANCHORAGE     |            |                 | REMARKS |       |                                     |
|                     |                                     |               | 1/2" BOLT FDN | AT FRAMING |                 |         |       |                                     |
| A                   | 1 1/2" * (32/16) EXP 1              | 10d @ 6"oc    | 32"oc         | 48"oc      | 6"oc            | 24"oc   | 16"oc |                                     |
| B                   | 1 1/2" * (32/16) EXP 1              | 10d @ 4"oc    | 24"oc         | 32"oc      | 4"oc            | 16"oc   | 10"oc | 3x MIN AT ALL ADJOINING PANEL EDGES |
| C                   | 1 1/2" * (32/16) EXP 1              | 10d @ 3"oc    | 16"oc         | 24"oc      | 3"oc            | 8"oc    | 8"oc  |                                     |
| D                   | 1 1/2" * (32/16) STRUC 1            | 10d @ 2"oc    | -             | 16"oc      | (2) ROWS @ 4"oc | 8"oc    | 6"oc  |                                     |
| E                   | 1 1/2" * (32/16) STRUC 1 BOTH SIDES | 10d @ 2"oc    | -             | 12"oc      | (2) ROWS @ 2"oc | 6"oc    | 6"oc  |                                     |

\* 2x SILL: SDS 1/4x4 1/2". 3x SILL: SDS 1/2x6". FOR SDS @ 6"oc OR LESS, PROVIDE 4x BLKG BLW.

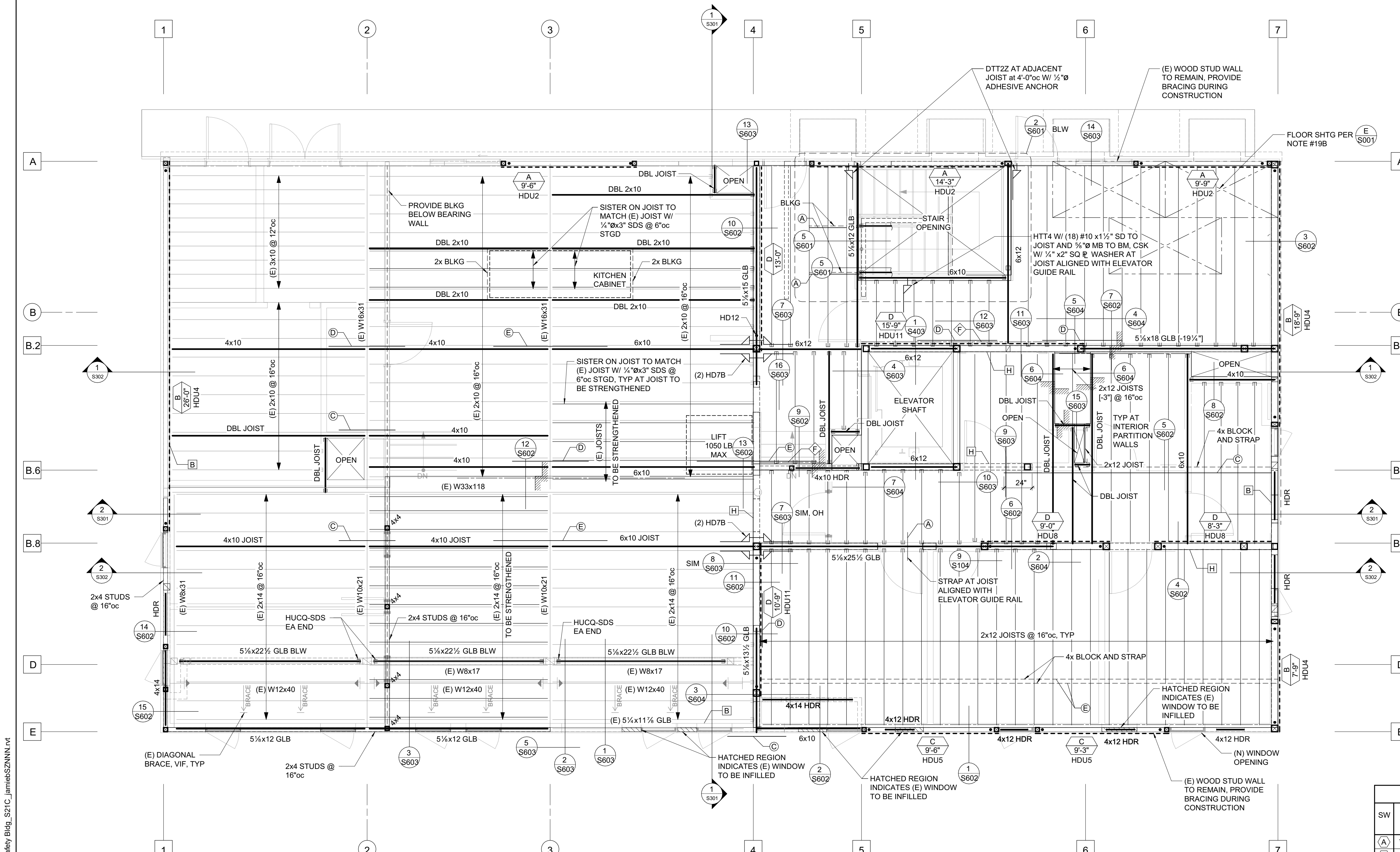
PERMIT DRAWINGS - NOT FOR CONSTRUCTION

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
**SECOND FLOOR FRAMING PLAN**



**S202**

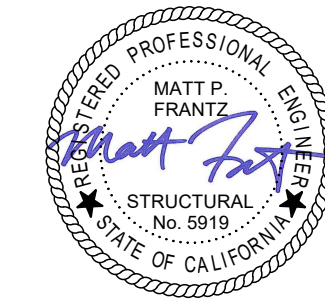


SECOND FLOOR FRAMING PLAN

1/4" = 1'-0"



STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
 KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
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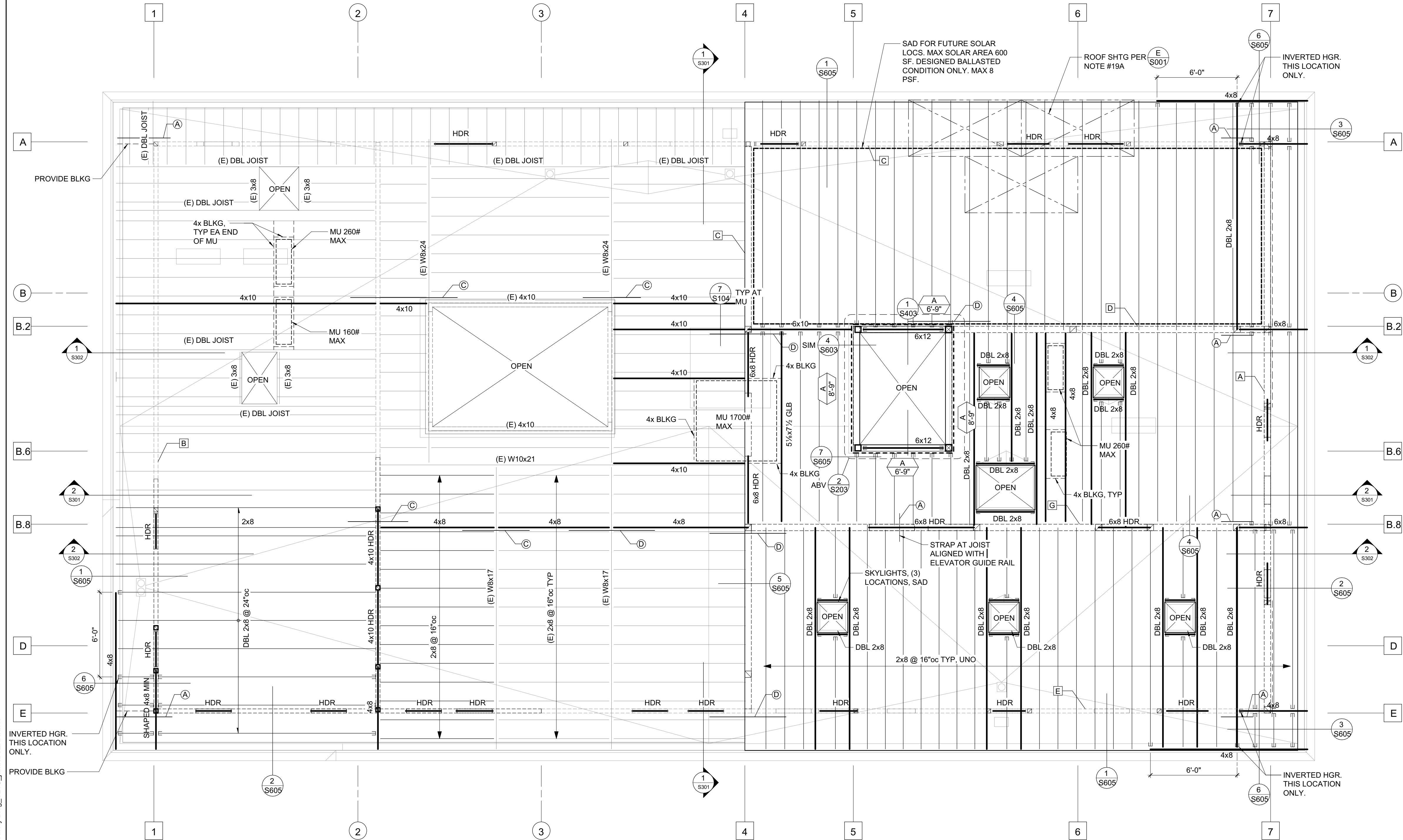
ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

FRAMING PLAN NOTES:

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 PENETRATIONS THROUGH SHEAR WALLS SHALL BE PER S103  
 PENETRATIONS THROUGH FLOORS/ROOFS SHALL BE PER S103
- ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS ON PLANS (INCLUDING WALLS ADJACENT TO SEISMIC GAPS) SHALL BE SHEATHED AS SHEAR WALL TYPE 'A' PER SHEAR WALL SCHEDULE, UNLESS NOTED OTHERWISE.
- ELEVATIONS ON PLANS AND DETAILS "A" ARE TO HEIGHTS ABOVE FINISHED GROUND FLOOR ELEVATION REFERENCE 0'-0". COORDINATE TOP OF FRAMING AND LEDGER HEIGHTS AS REQUIRED TO PROVIDE ROOF SLOPES AS SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- TYPICAL STRUCTURAL WALL BLOCKING FOR ALL GRAB BAR, HANDRAIL, SHOWER SEAT AND OTHER ARCHITECTURAL (A), MECHANICAL (M), ELECTRICAL (E), PLUMBING (P) ATTACHMENTS SHALL BE 4x MINIMUM x WALL WIDTH STUD BLOCKS WITH A34 TOP AND BOTTOM, EACH END TYPICAL.

| PLAN LEGEND     |                  |   |
|-----------------|------------------|---|
| SYMBOL          | REFERENCE DETAIL | DESCRIPTION   |
| =====           | 1/S103           | INDICATES STRUCTURAL WALL.  |
| -----           | 1/S103           | INDICATES STRUCTURAL WALL ABOVE.  |
| =====           | 7/S103           | INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.                    |
| □               | E/S001           | INDICATES WOOD POST.  |
| □•              | 10/S104          | INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.   |
| □.□.□           | 6/S104           | INDICATES STEEL COLUMN.   |
| 3/4x12 GLB C-1" | E/S001           | INDICATES GLULAM BEAM SIZE AND CAMBER. WHERE NO CAMBER IS SPECIFIED SEE WOOD FRAMING NOTES FOR TYPICAL GLULAM BEAM CAMBER.                    |
| ----            | 11/S103          | INDICATES PANEL EDGE NAILING ALONG FULL LENGTH OF MEMBER.   |
| =====           | E/S001           | INDICATES HANGER.   |
| ----            |                  | INDICATES LEDGER. SEE PLAN FOR SIZE AND ANCHORAGE.  |
| 88              |                  | INDICATES GRIDLINE AT FACE OF STUD.   |
| 88              |                  | INDICATES GRIDLINE AT CENTERLINE OF COLUMN.   |
| 1 S3.1          |                  | INDICATES ELEVATION.  |
| MU 1,000#       | 7/S104           | INDICATES APPROXIMATE LOCATION, SIZE AND MAXIMUM WEIGHT OF MECHANICAL UNIT. SEE MECHANICAL DRAWINGS FOR ANCHORAGE AND ADDITIONAL INFORMATION. |
| ////            |                  | INDICATES STEP IN ELEVATION. SEE ARCHITECTURAL DRAWINGS.  |
| □               |                  | INDICATES EXISTING FRAMING.   |
| — —             | 1/S104           | INDICATES TOP PLATE SPLICE. SPLICE TYPE SHALL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL. UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS.  |
| — —             | 2/S104           | INDICATES LEDGER/RIM SPLICE. SPLICE TYPE SHALL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL. UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS. |
| — —             | 3/S104           | INDICATES TIE STRAP. SEE SCHEDULE FOR STRAP, NAILING AND LENGTH.  |

**2 HIGH ROOF FRAMING PLAN**  
 1/4" = 1'-0"



**ROOF FRAMING PLAN**  
 1/4" = 1'-0"

PERMIT DRAWINGS - NOT FOR CONSTRUCTION

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
**ROOF FRAMING PLAN**

**S203**

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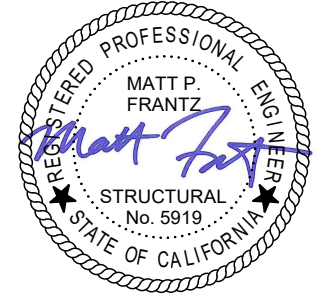
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**FRAME ELEVATION NOTES:**

- ELEVATIONS ARE SCHEMATIC. SEE PLANS FOR ADDITIONAL INFORMATION.
- SEE PLANS FOR ALL COLUMN AND BEAM SIZES.

STAMP

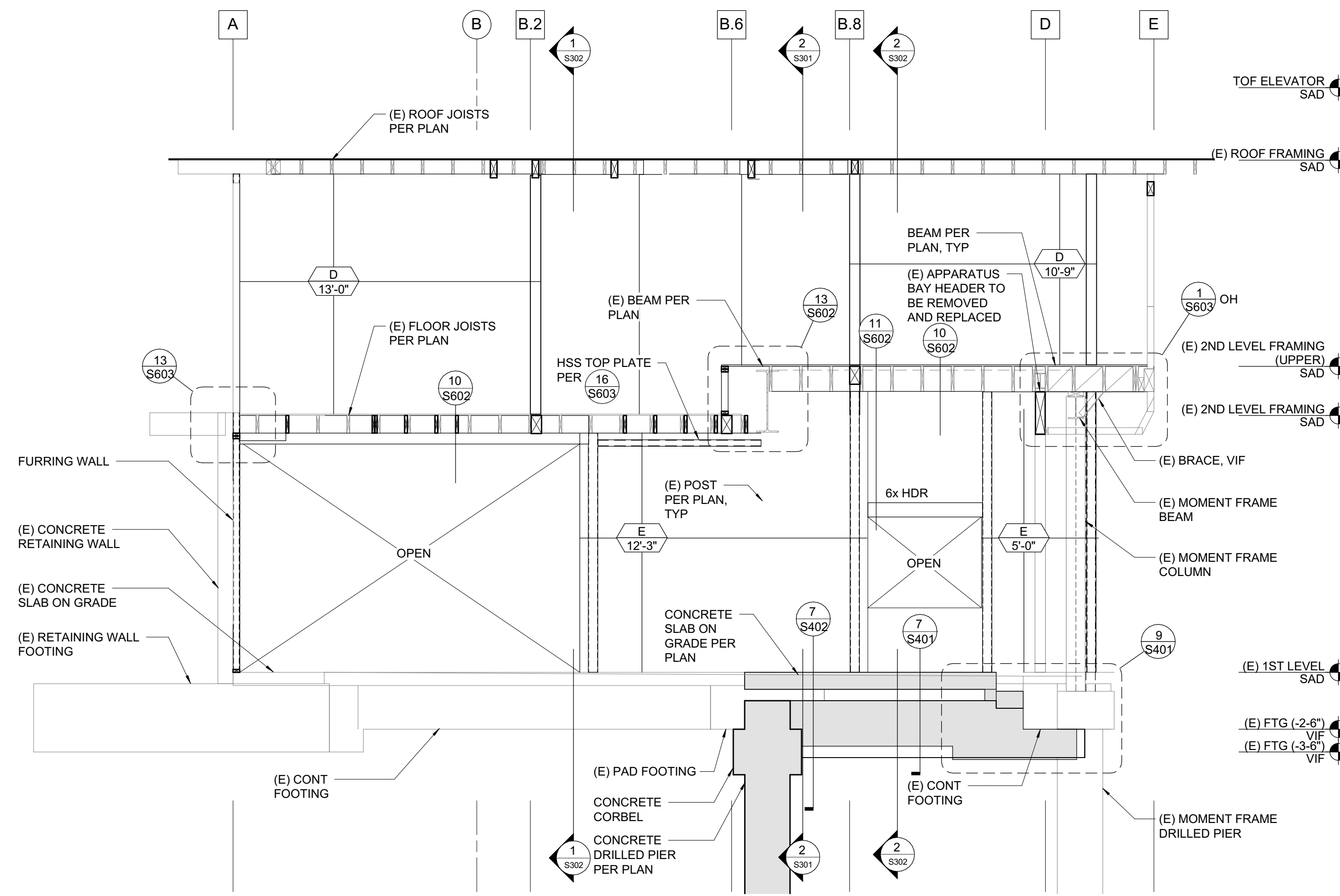


PROJECT ADDRESS

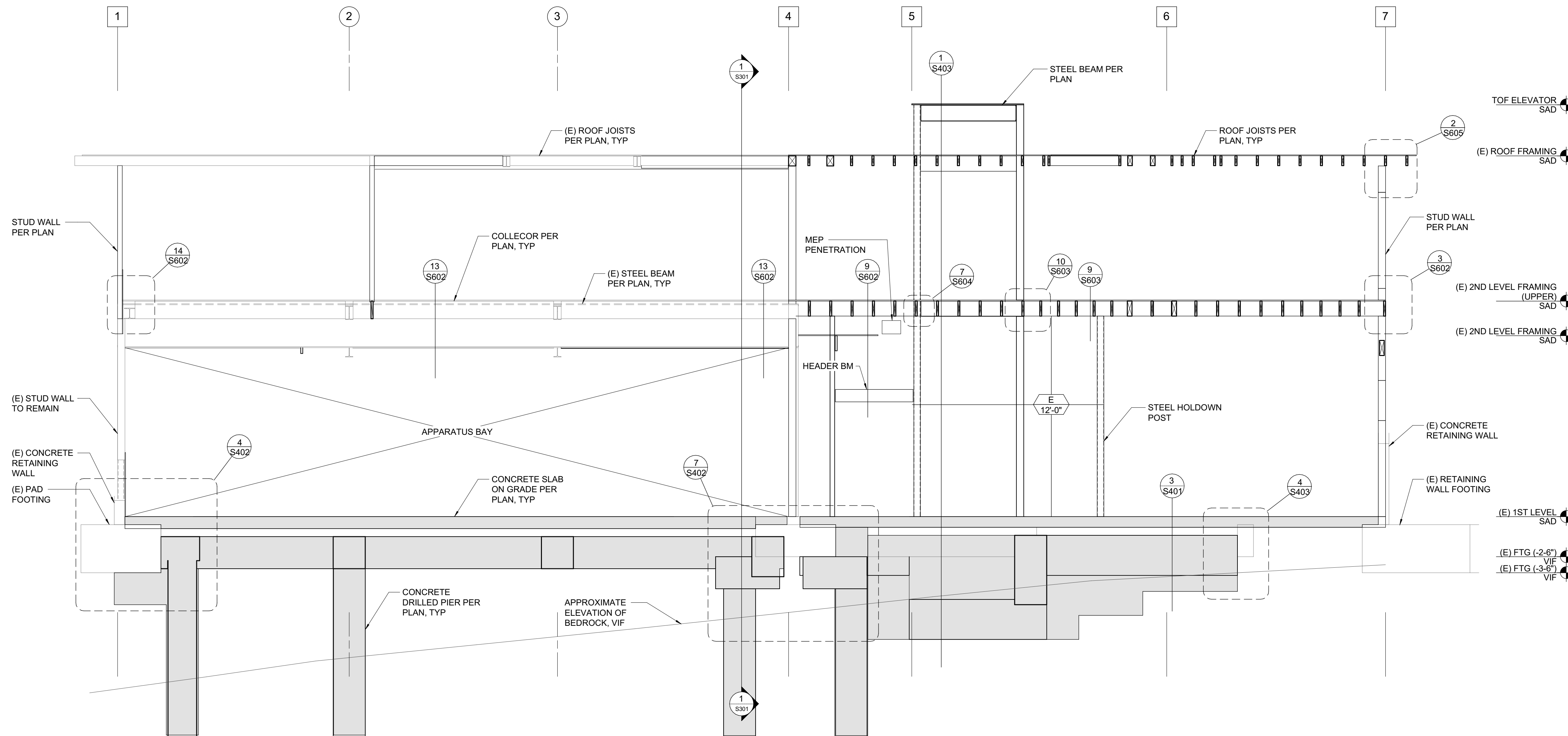
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

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**1 SECTION AT GRID 4**  
 1/4" = 1'-0"



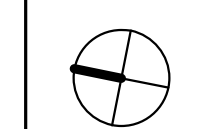
**2 SECTION AT GRID B.6**  
 1/4" = 1'-0"

PERMIT DRAWINGS - NOT FOR CONSTRUCTION

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

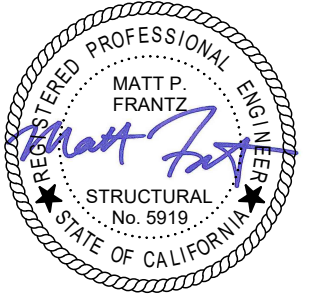
JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
**ELEVATIONS &  
 SECTIONS**



**S301**

STAMP

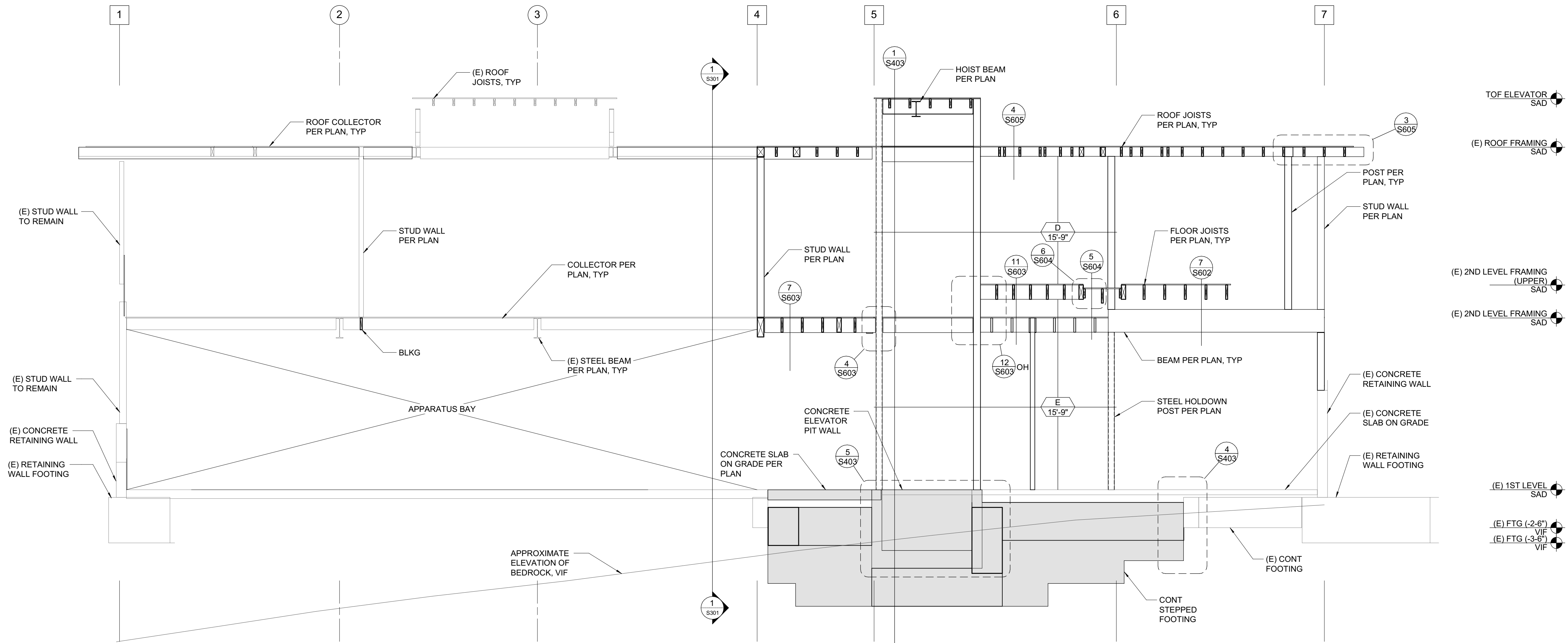


PROJECT ADDRESS

**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

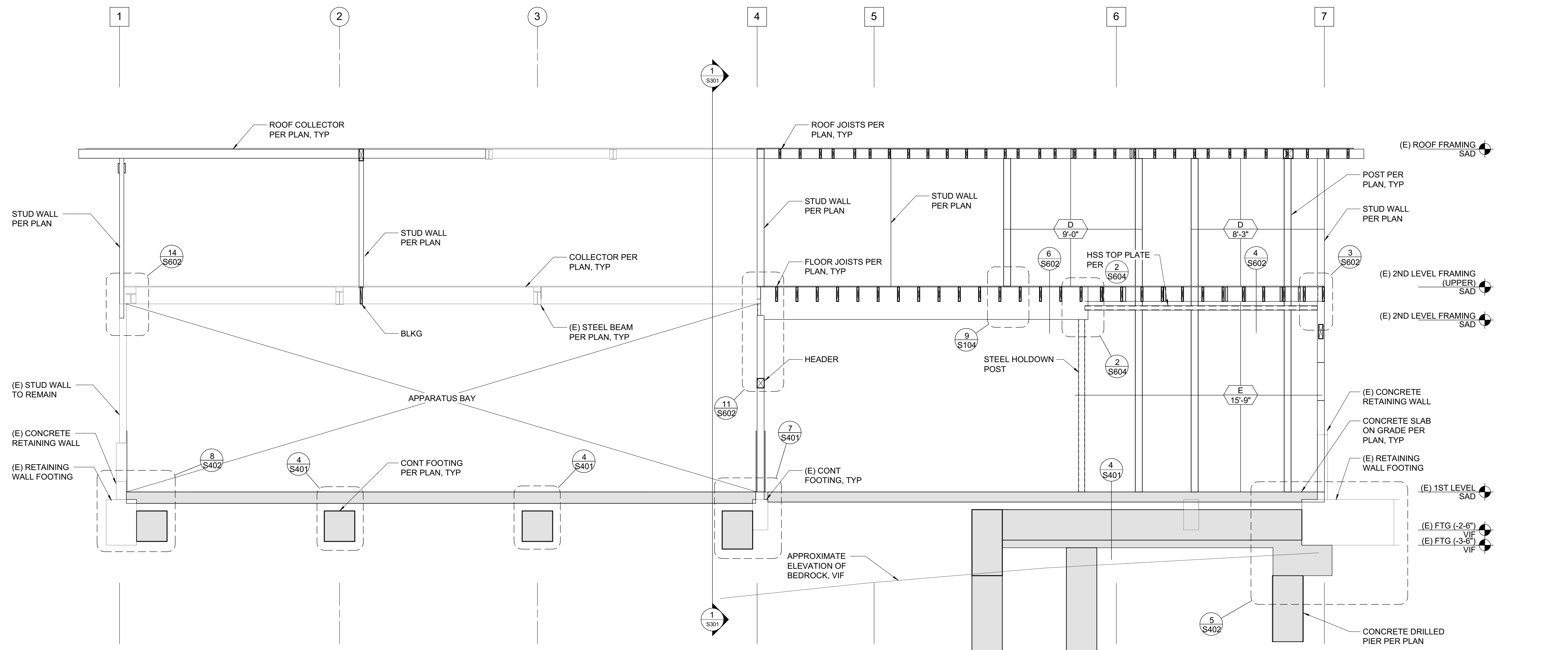
PROJECT TEAM

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 CONTACT: KAREN MAR  
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- STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869
- CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200
- GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544
- MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390
- AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140
- ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626



**1 SECTION AT GRID B.2**

1/4" = 1'-0"



**2 SECTION AT GRID B.8**

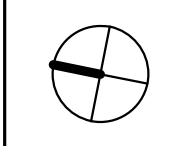
1/4" = 1'-0"

PERMIT DRAWINGS - NOT FOR CONSTRUCTION

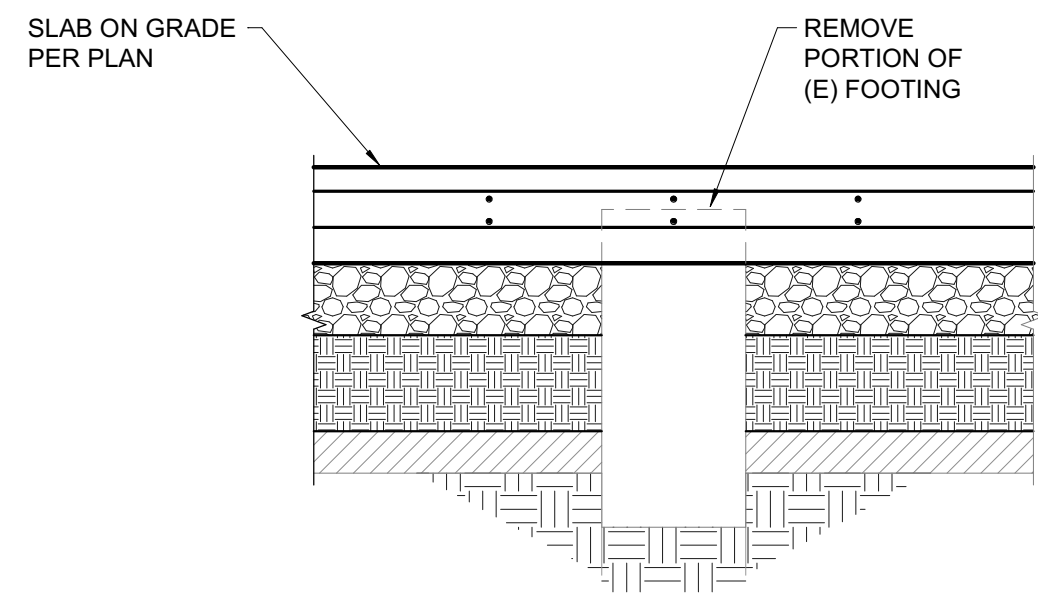
JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
**ELEVATIONS &  
 SECTIONS**

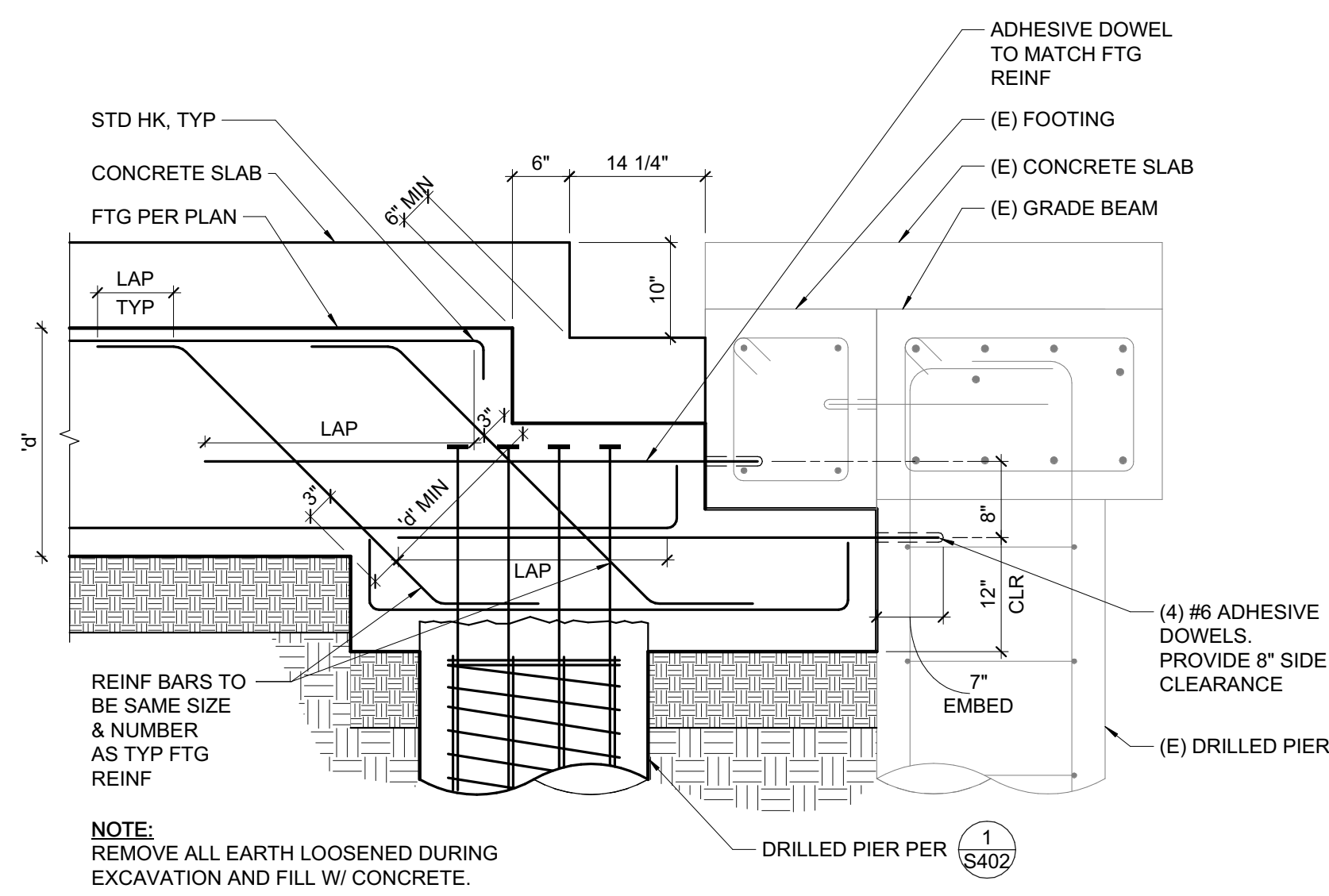
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |



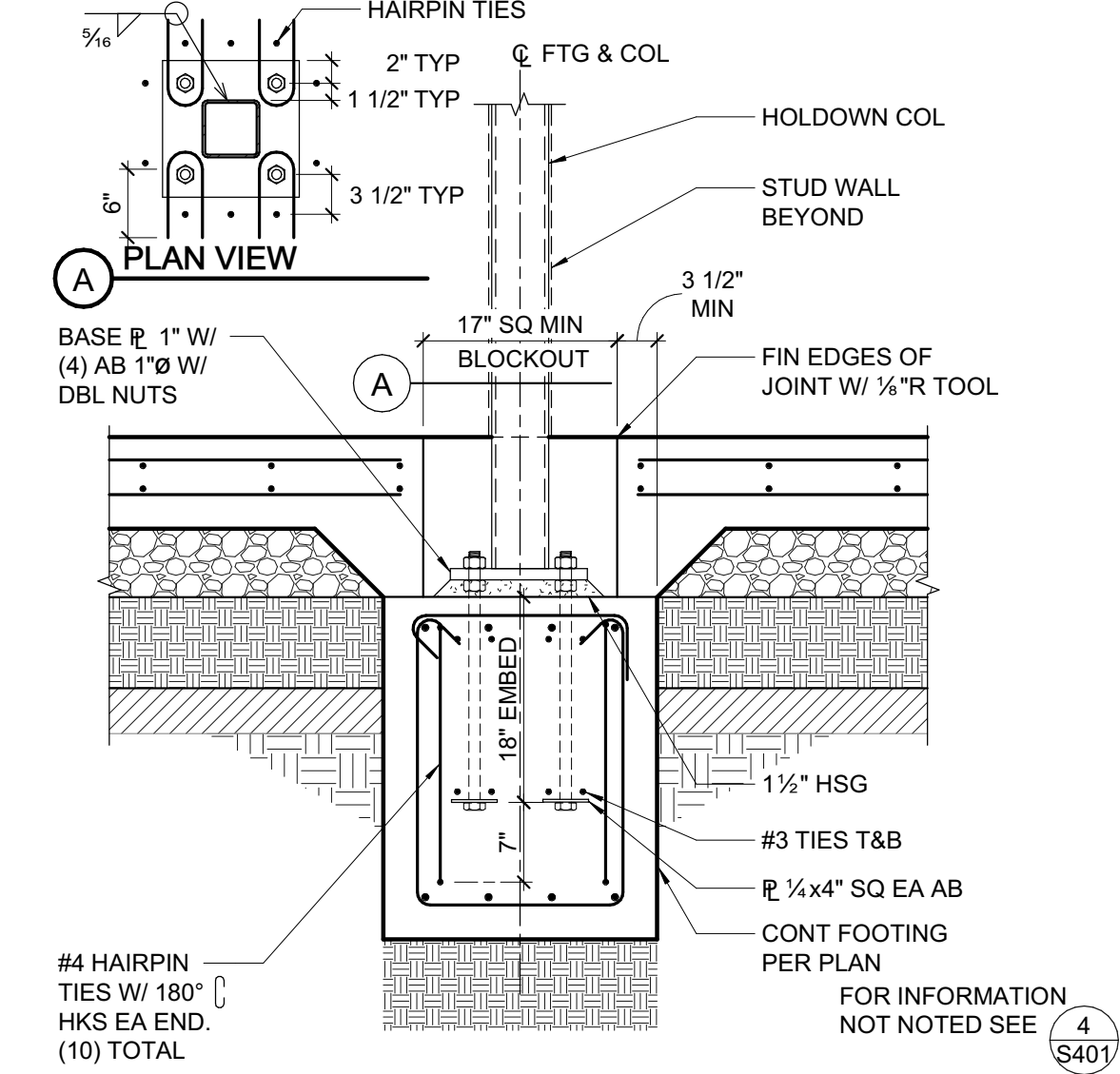
**S302**



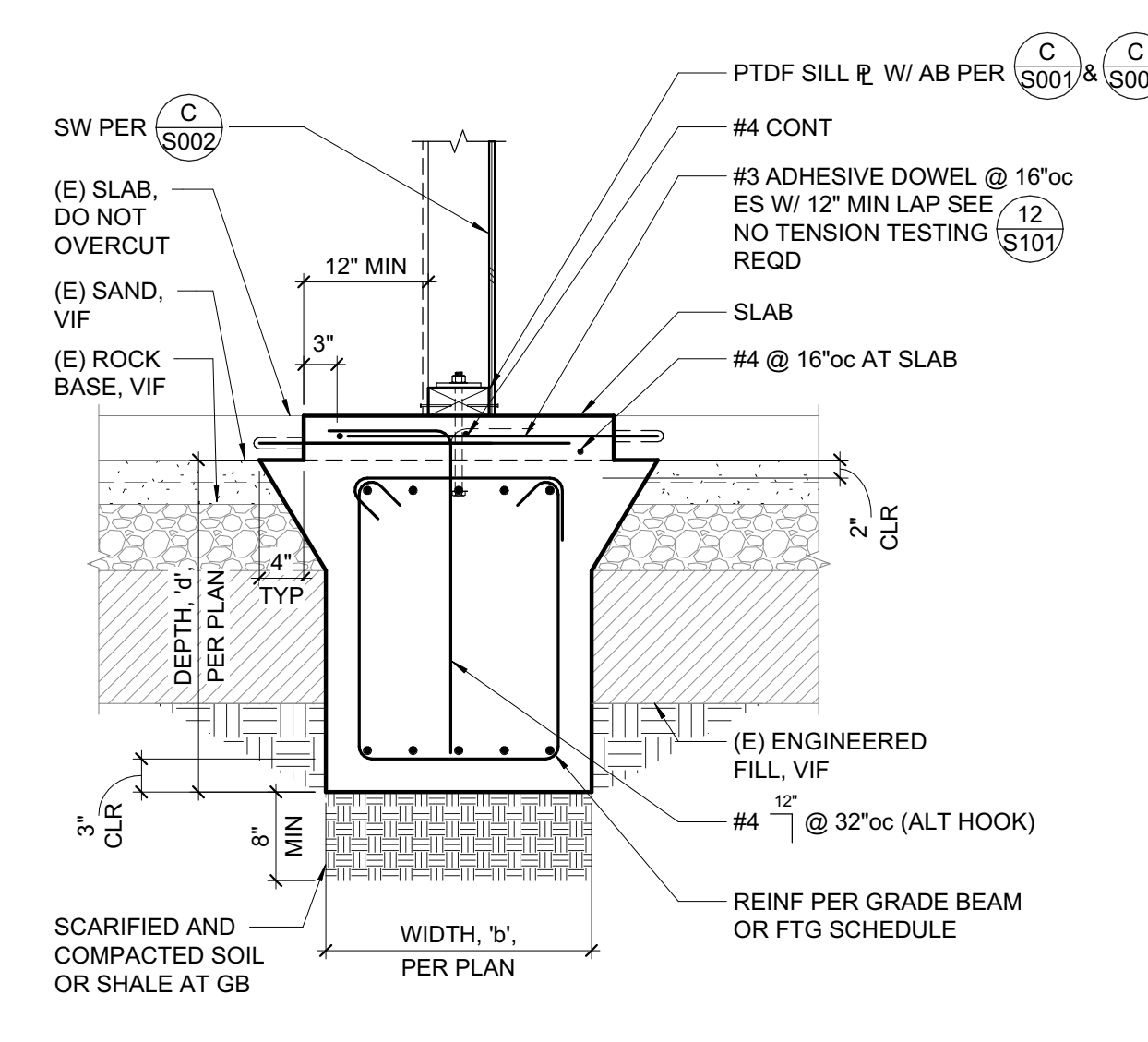
12 NEW SLAB ON GRADE AT ABANDONED EXISTING FOOTING  
3/4" = 1'-0"



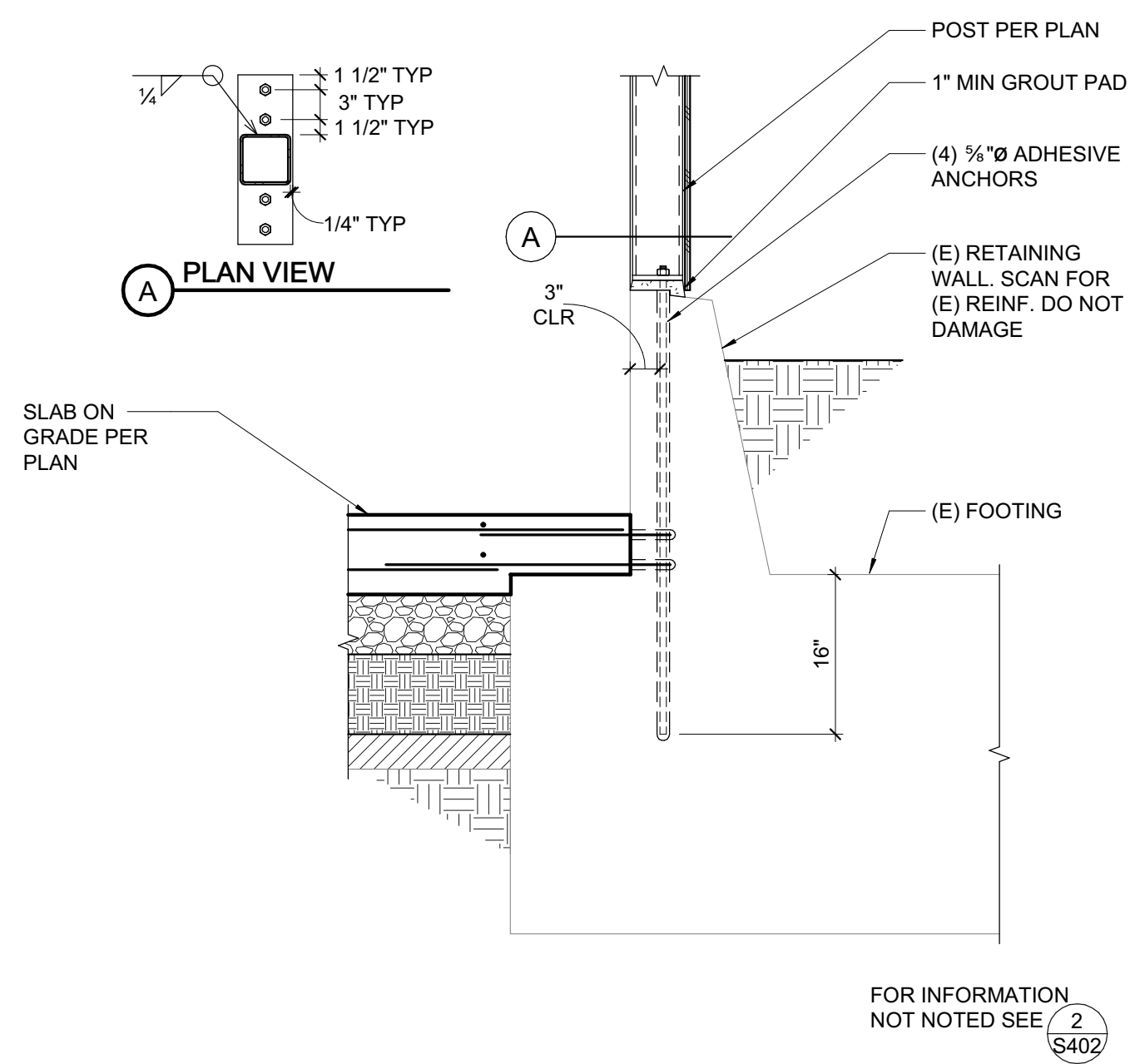
9 SECTION AT TRENCH DRAIN  
3/4" = 1'-0"



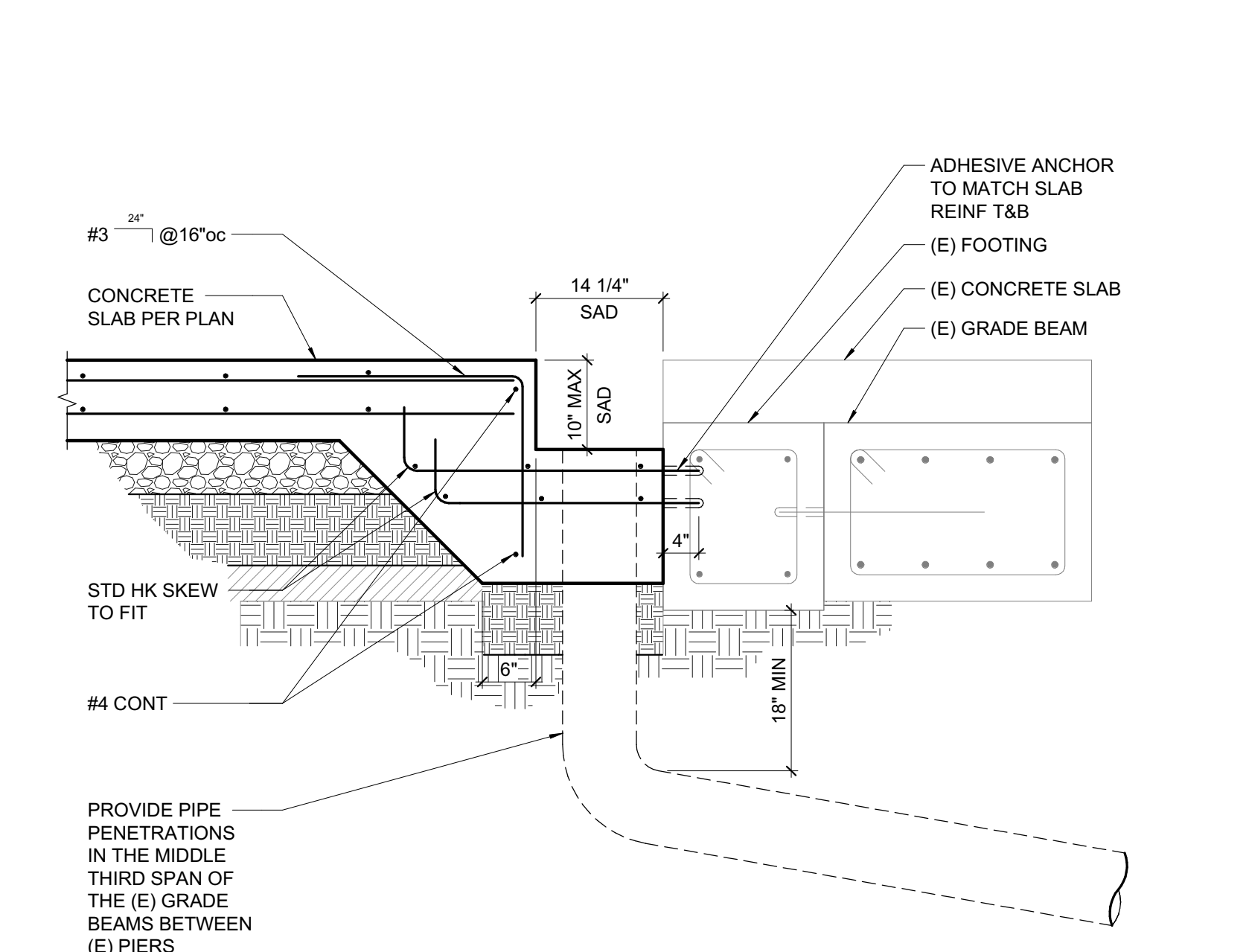
5 HSS COLUMN AT CONTINUOUS FOOTING  
3/4" = 1'-0"



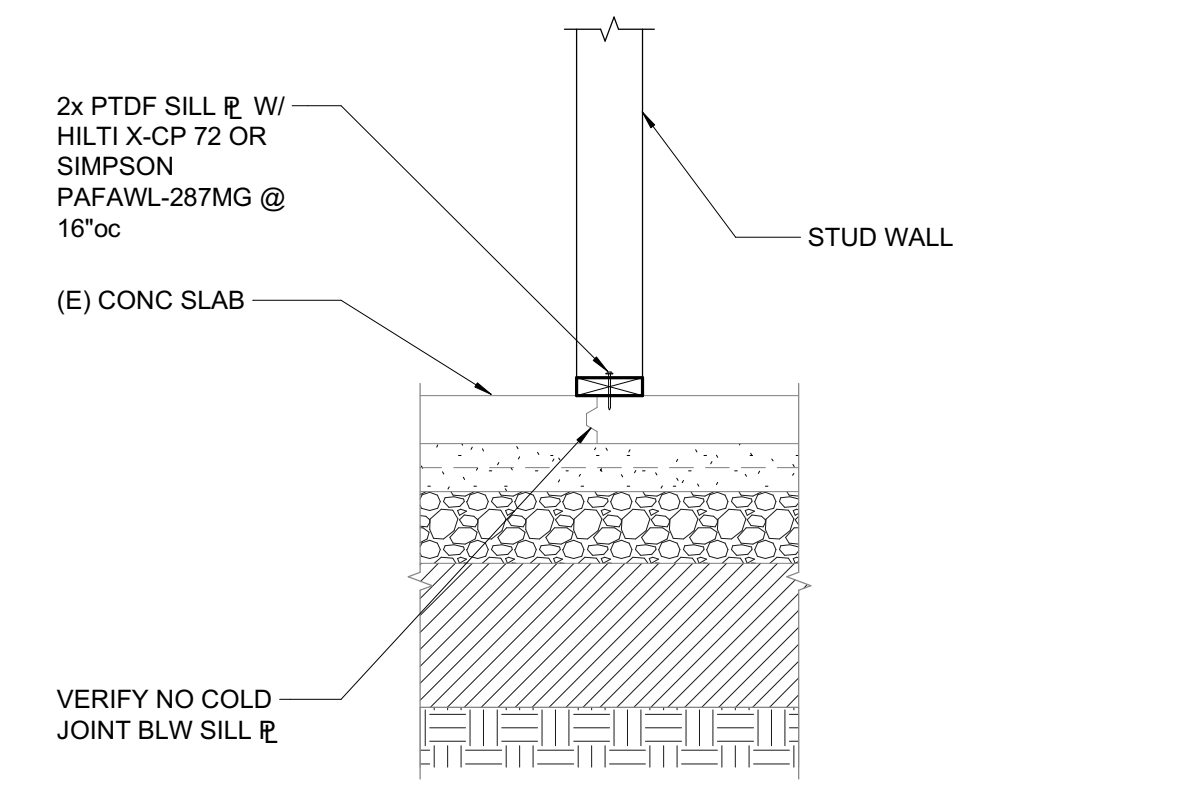
1 GRADE BEAM AT EXISTING SLAB  
3/4" = 1'-0"



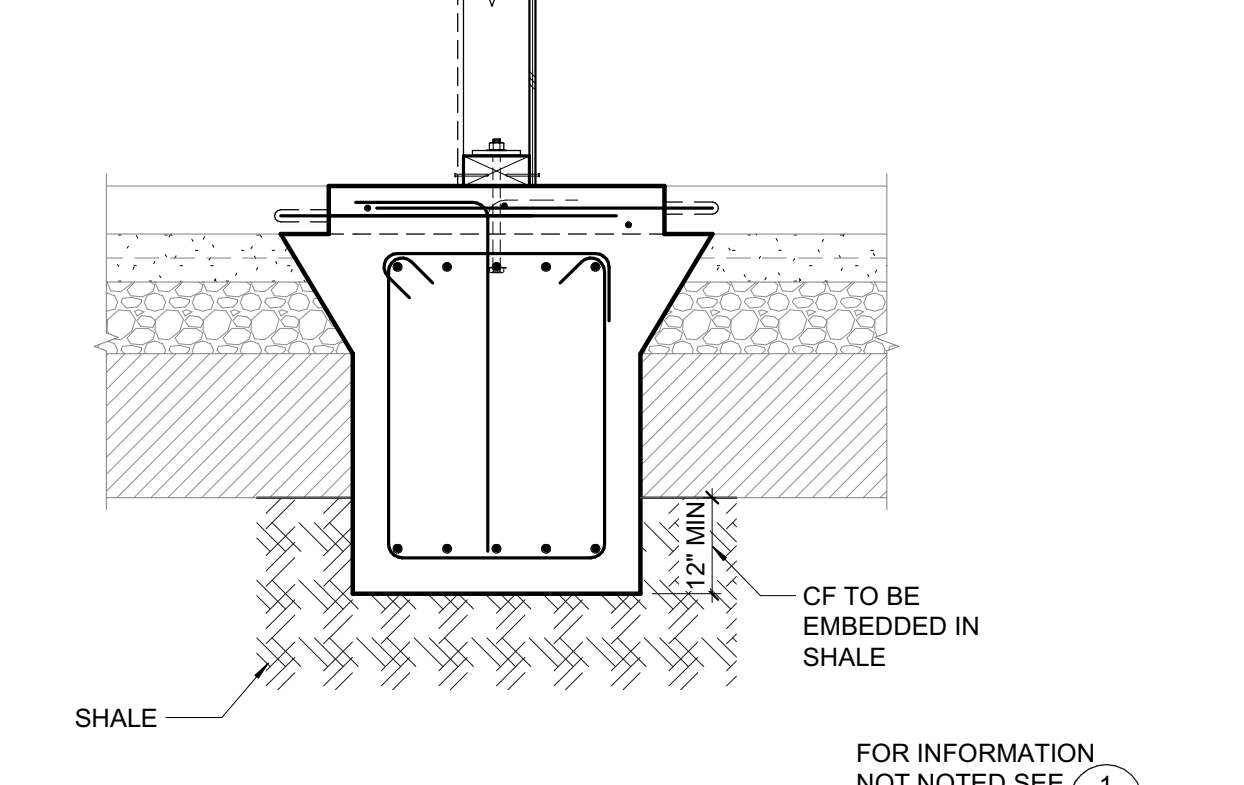
13 STEEL POST AT EXISTING RETAINING WALL  
3/4" = 1'-0"



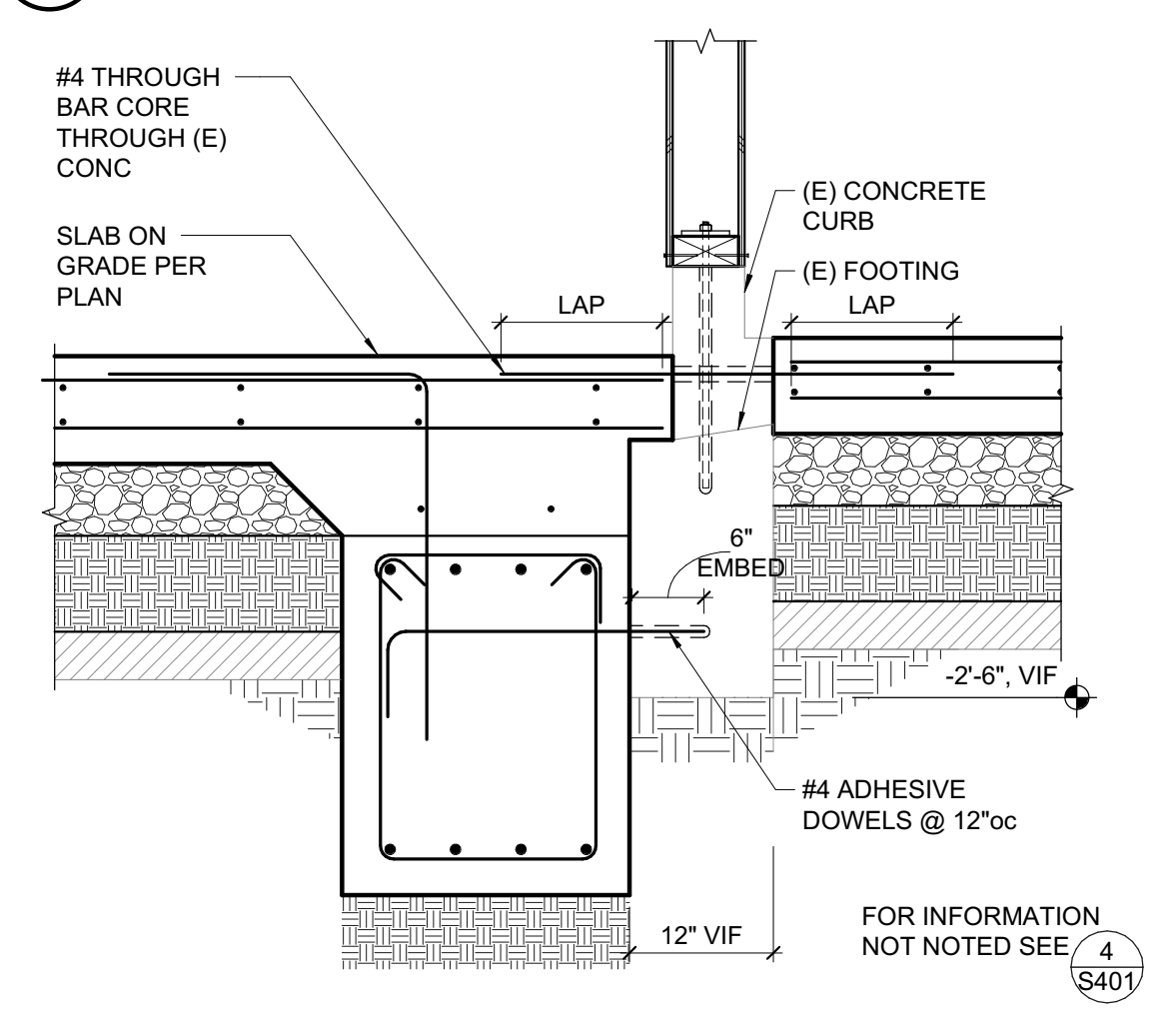
10 SECTION AT TRENCH DRAIN  
3/4" = 1'-0"



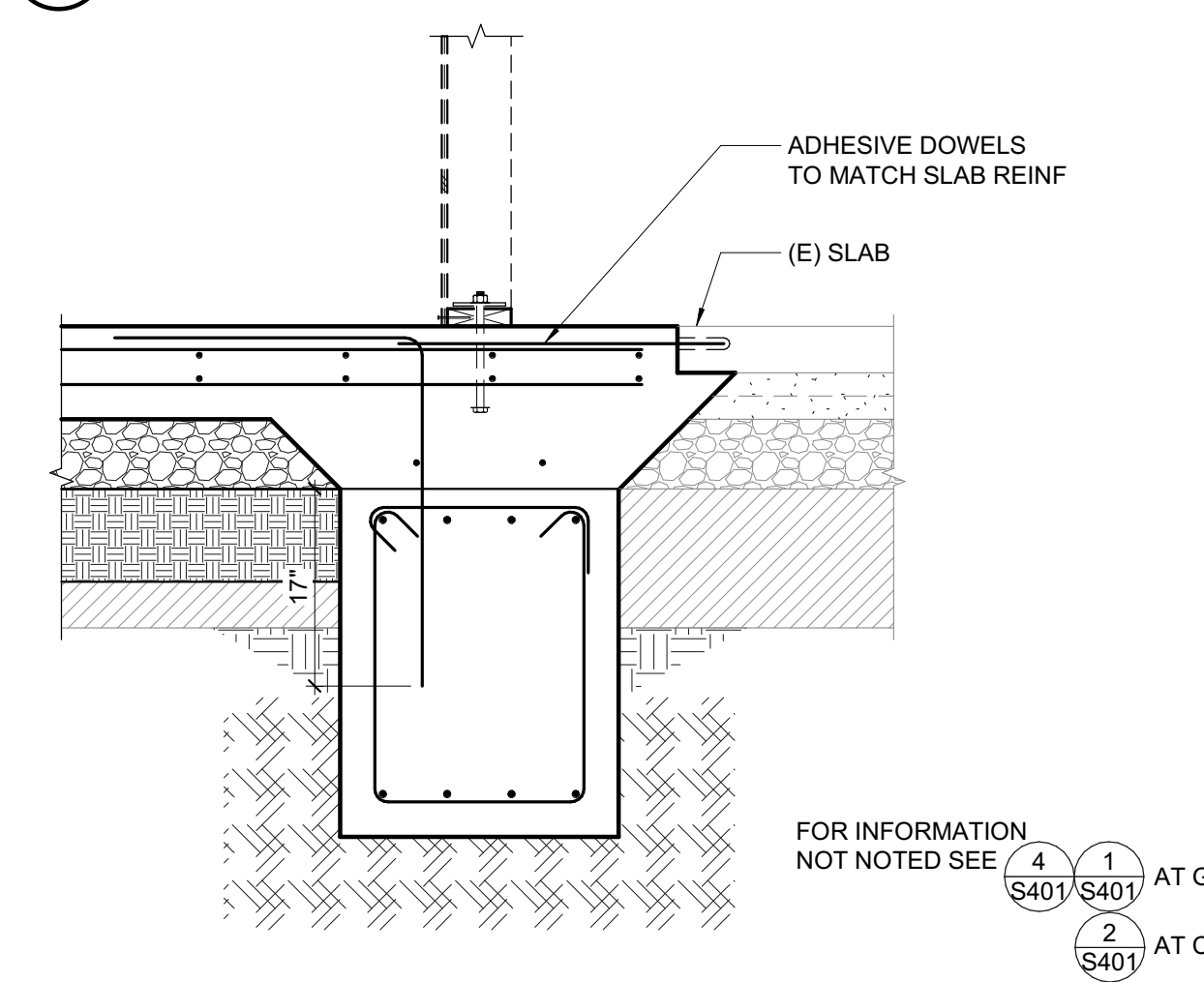
6 NON BEARING WALL AT (E) SLAB  
3/4" = 1'-0"



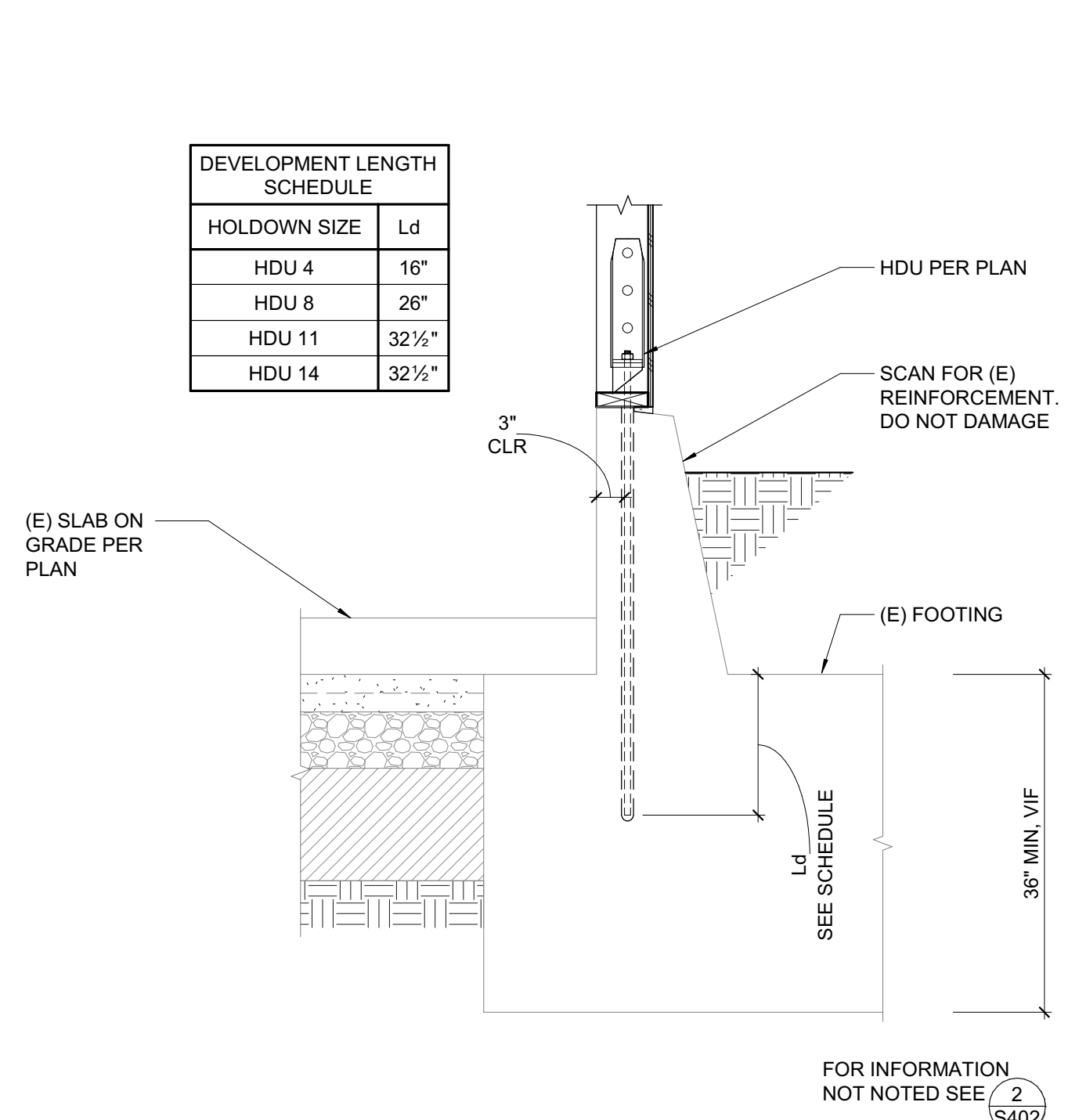
2 CONTINUOUS FOOTING AT EXISTING SLAB  
3/4" = 1'-0"



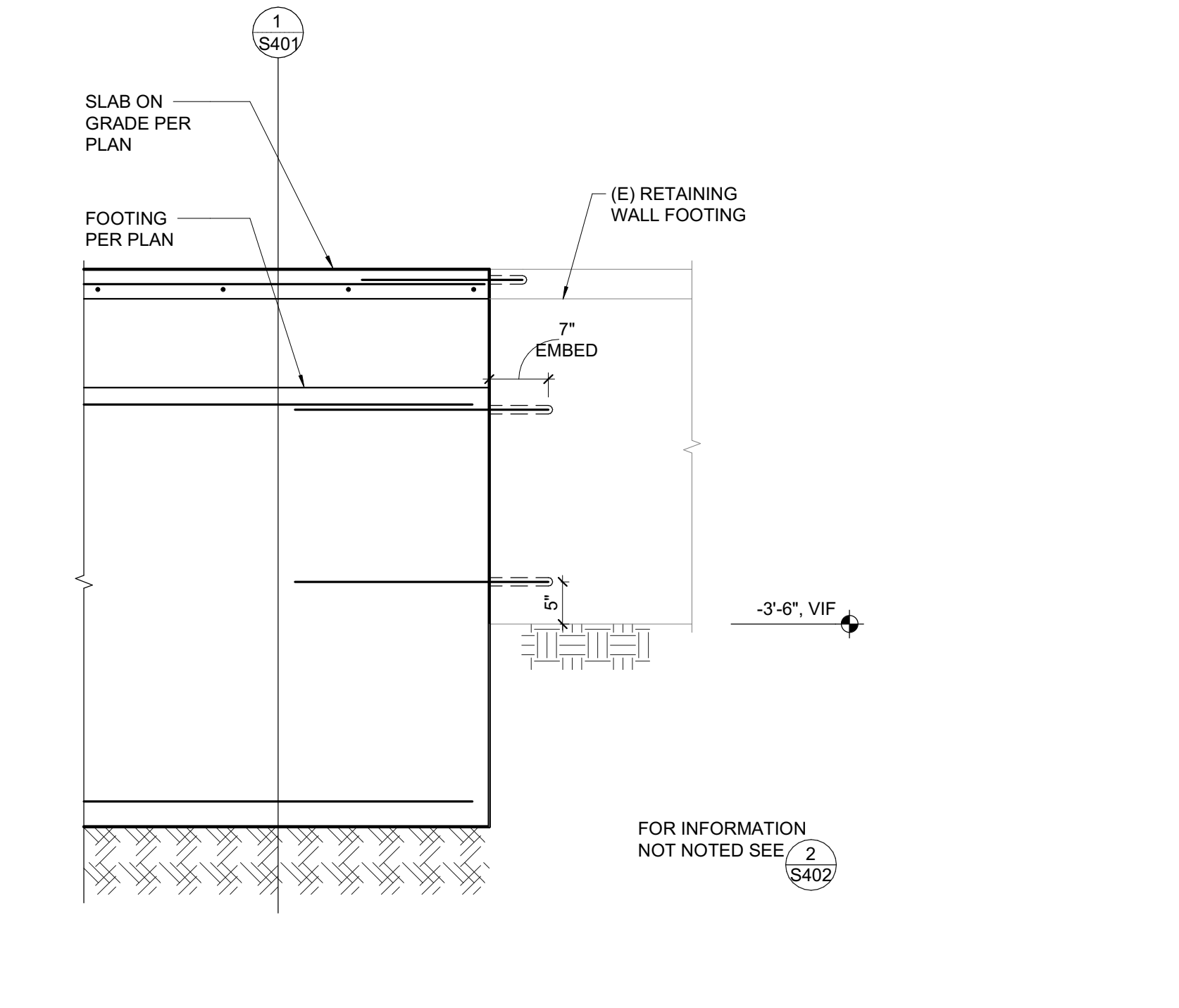
7 NEW FOOTING ADJACENT TO EXISTING FOOTING  
3/4" = 1'-0"



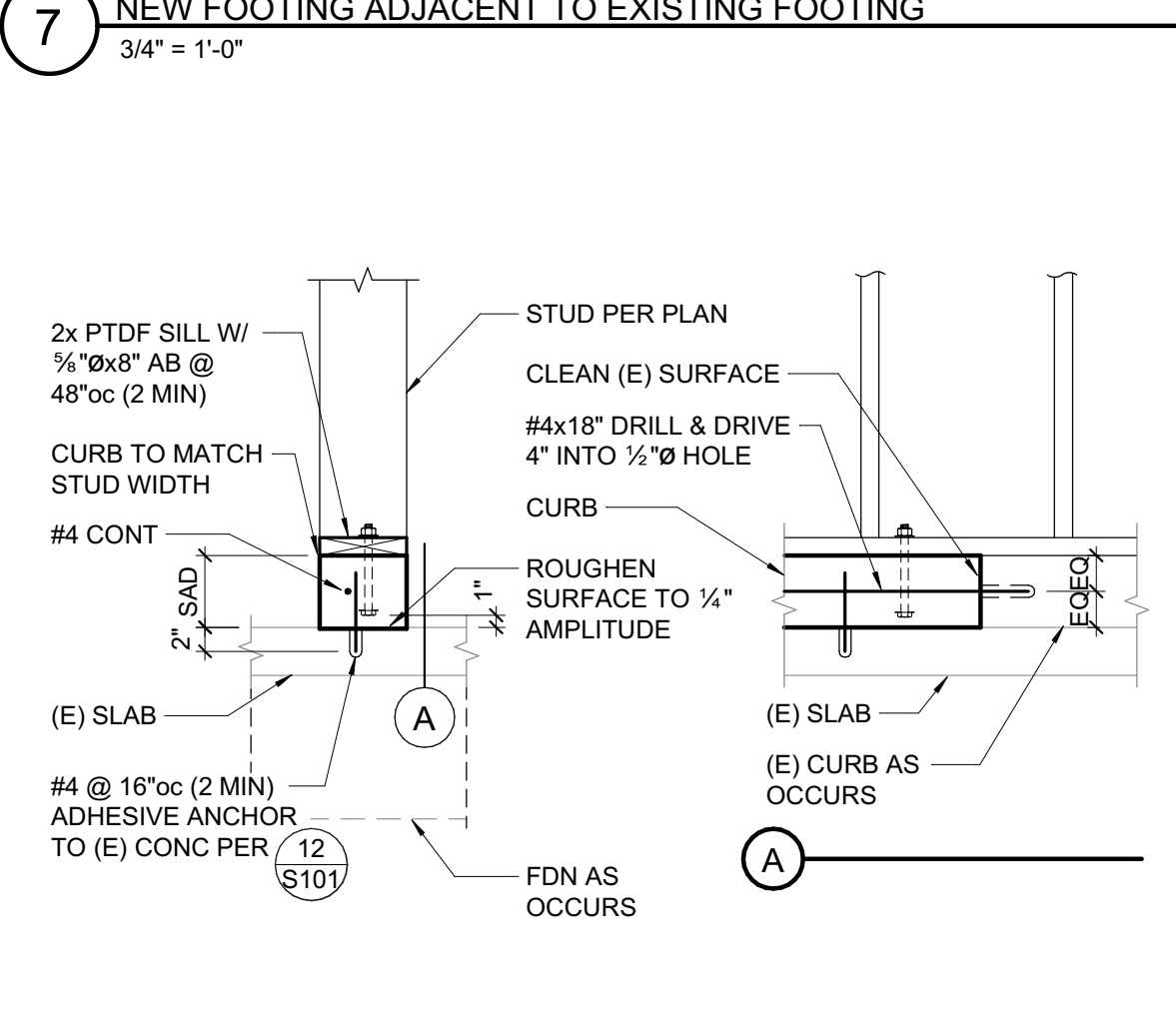
3 NEW FOOTING AT NEW AND EXISTING SLAB  
3/4" = 1'-0"



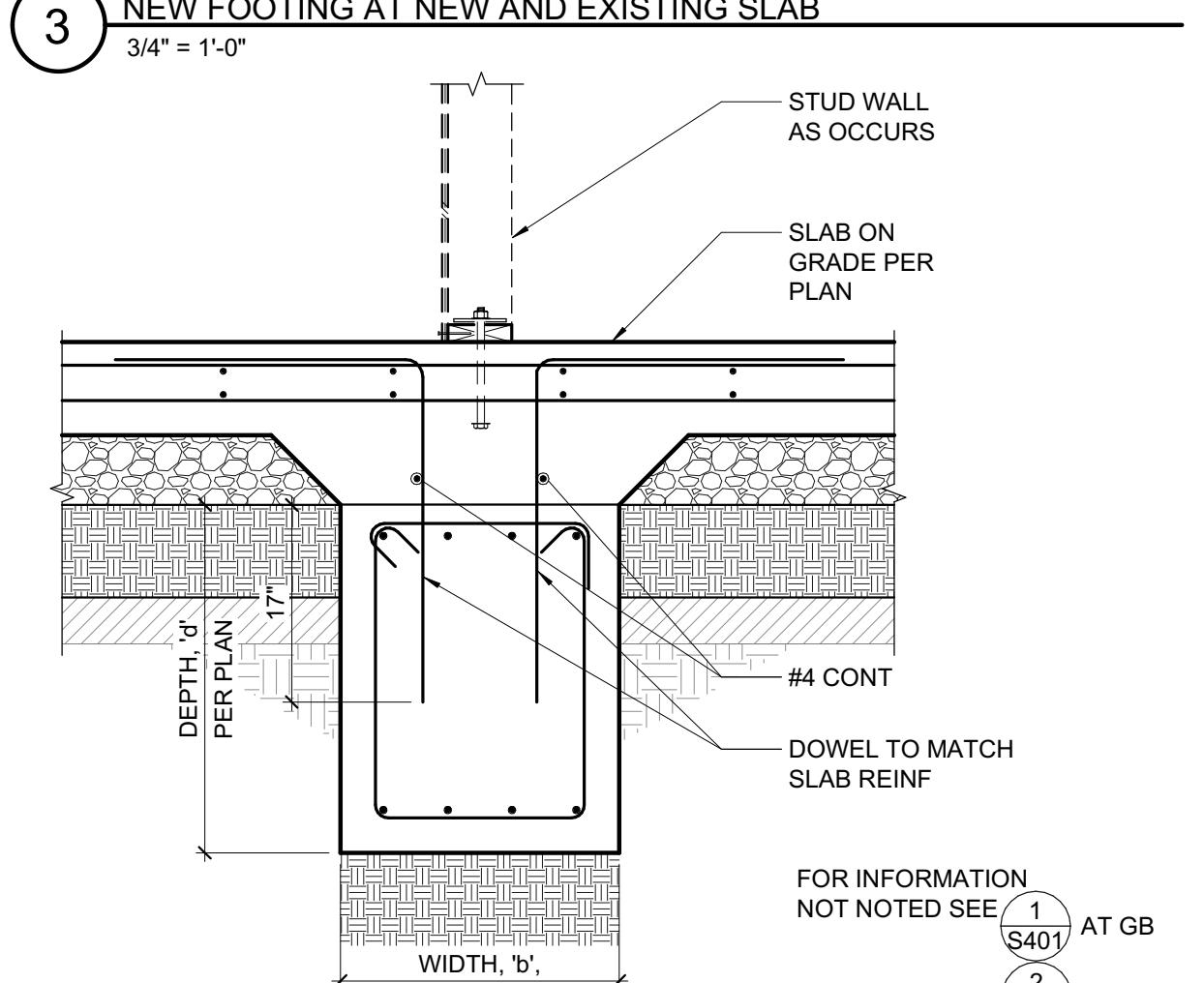
14 HOLDOWN POST AT EXISTING RETAINING WALL  
3/4" = 1'-0"



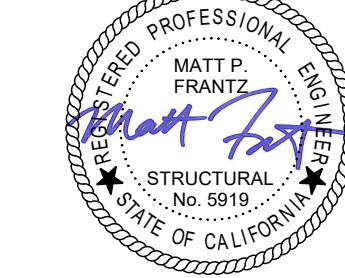
11 NEW FOOTING TO EXISTING RETAINING WALL FOOTING  
3/4" = 1'-0"



8 NEW CURB AT EXISTING SLAB  
3/4" = 1'-0"



4 NEW INTERIOR FOOTING AT NEW SLAB  
3/4" = 1'-0"



STAMP

PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA 94707**

PROJECT TEAM  
CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064  
ARCHITECT: MARJIANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600  
STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869  
CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200  
GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544  
MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390  
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140  
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

JOB NO.  
21479 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
**FOUNDATION DETAILS**

PERMIT DRAWINGS - NOT FOR CONSTRUCTION

**S401**

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
 KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE.  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

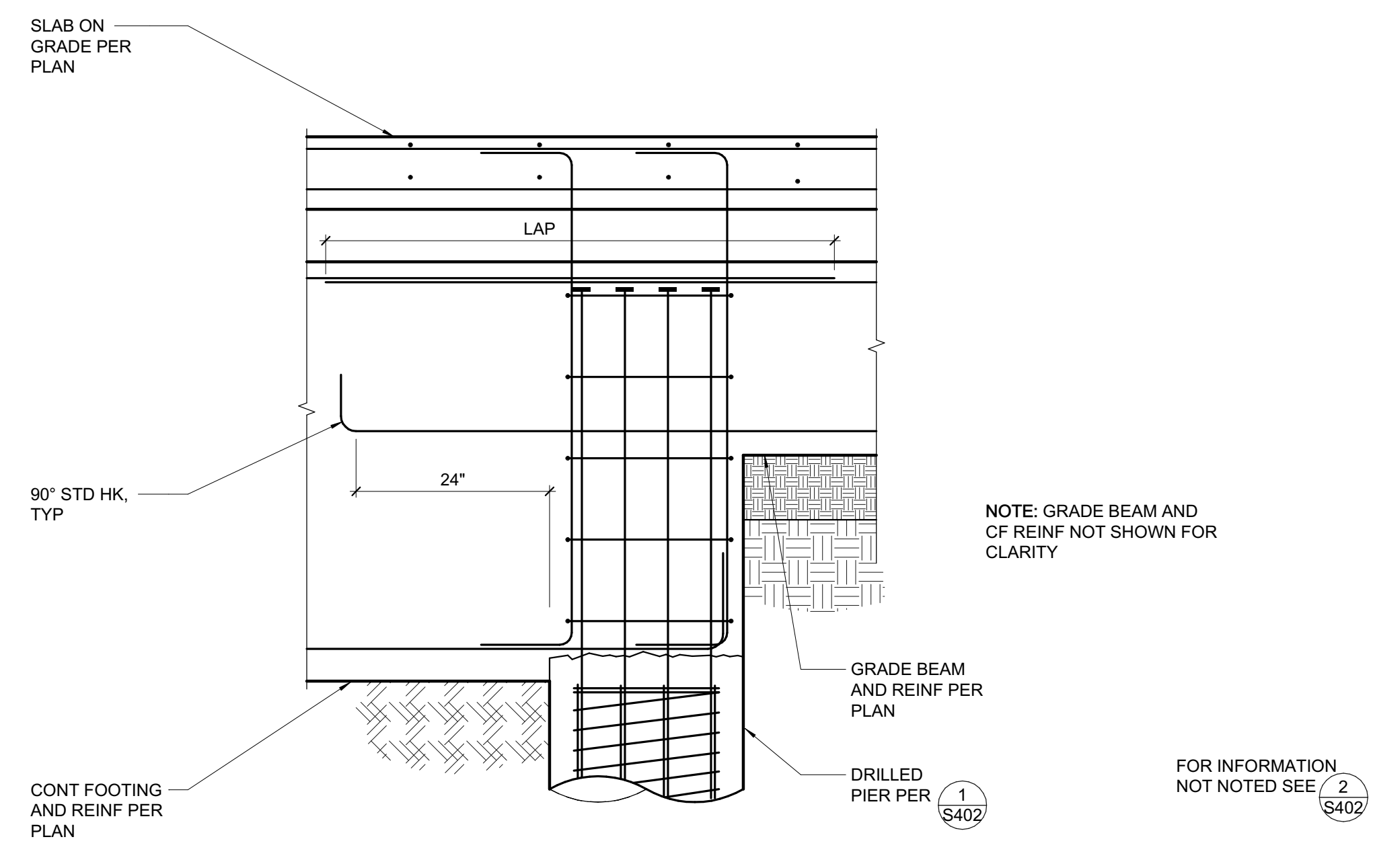
CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
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GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
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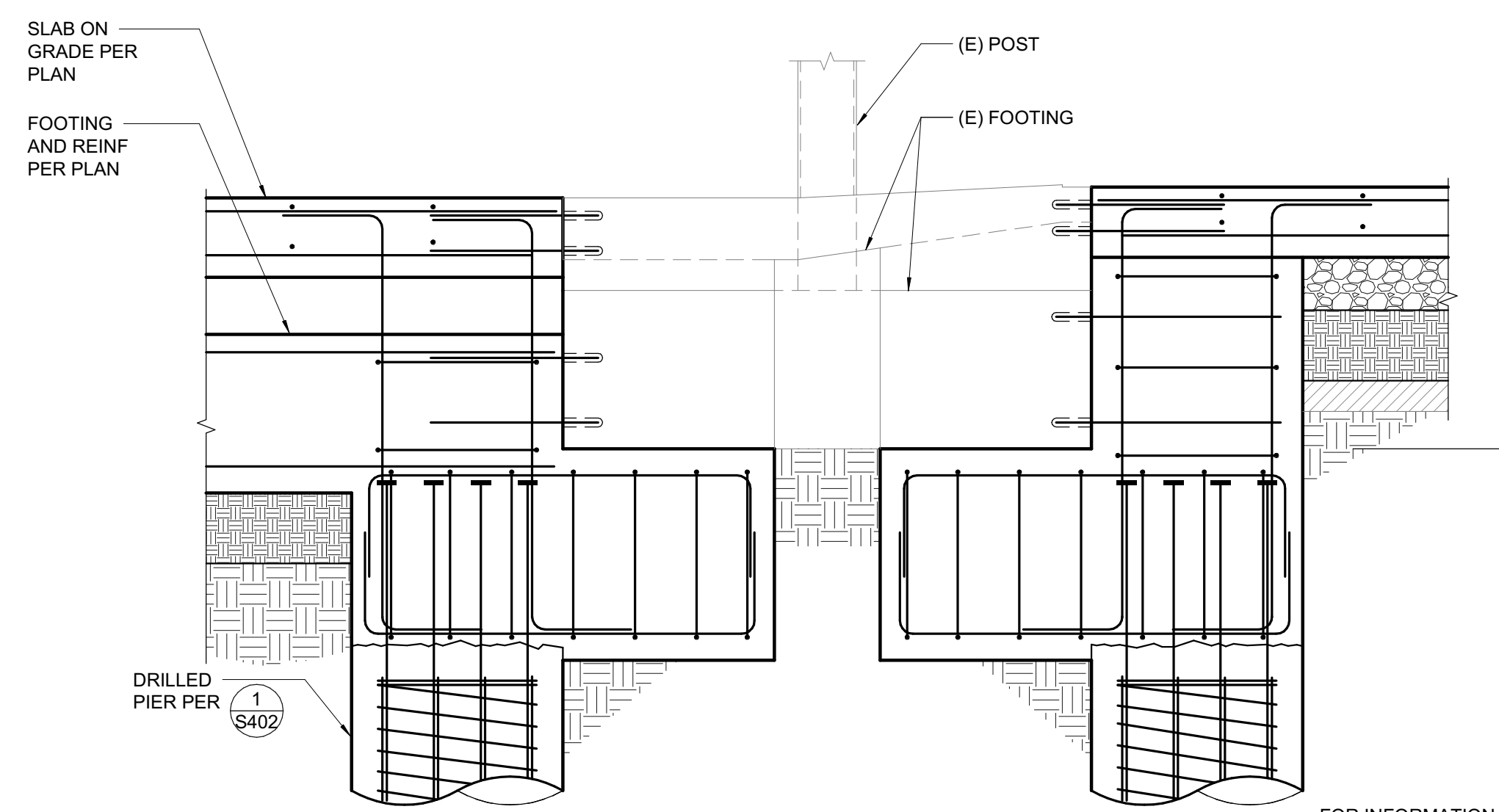
MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
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 T: (415) 255-9140

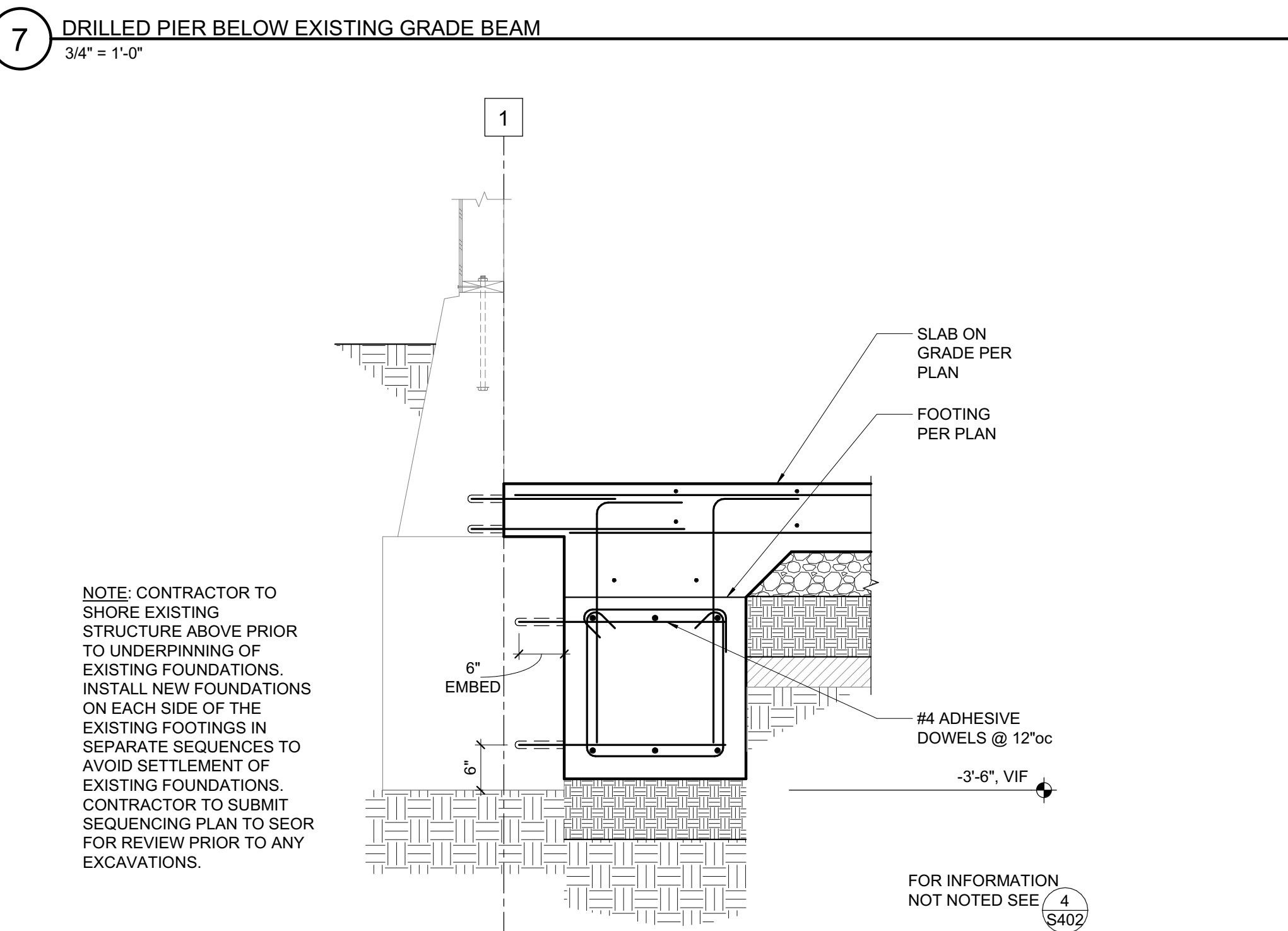
ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626



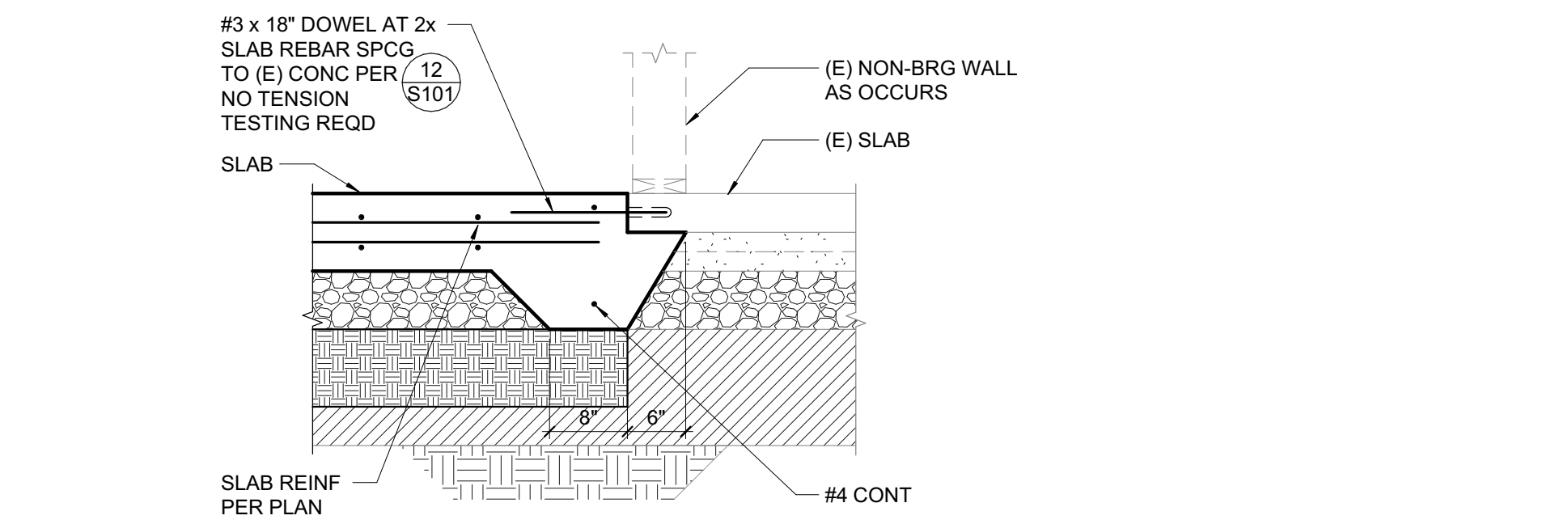
6 DRILLED PIER BELOW EXISTING GRADE BEAM  
 3/4" = 1'-0"



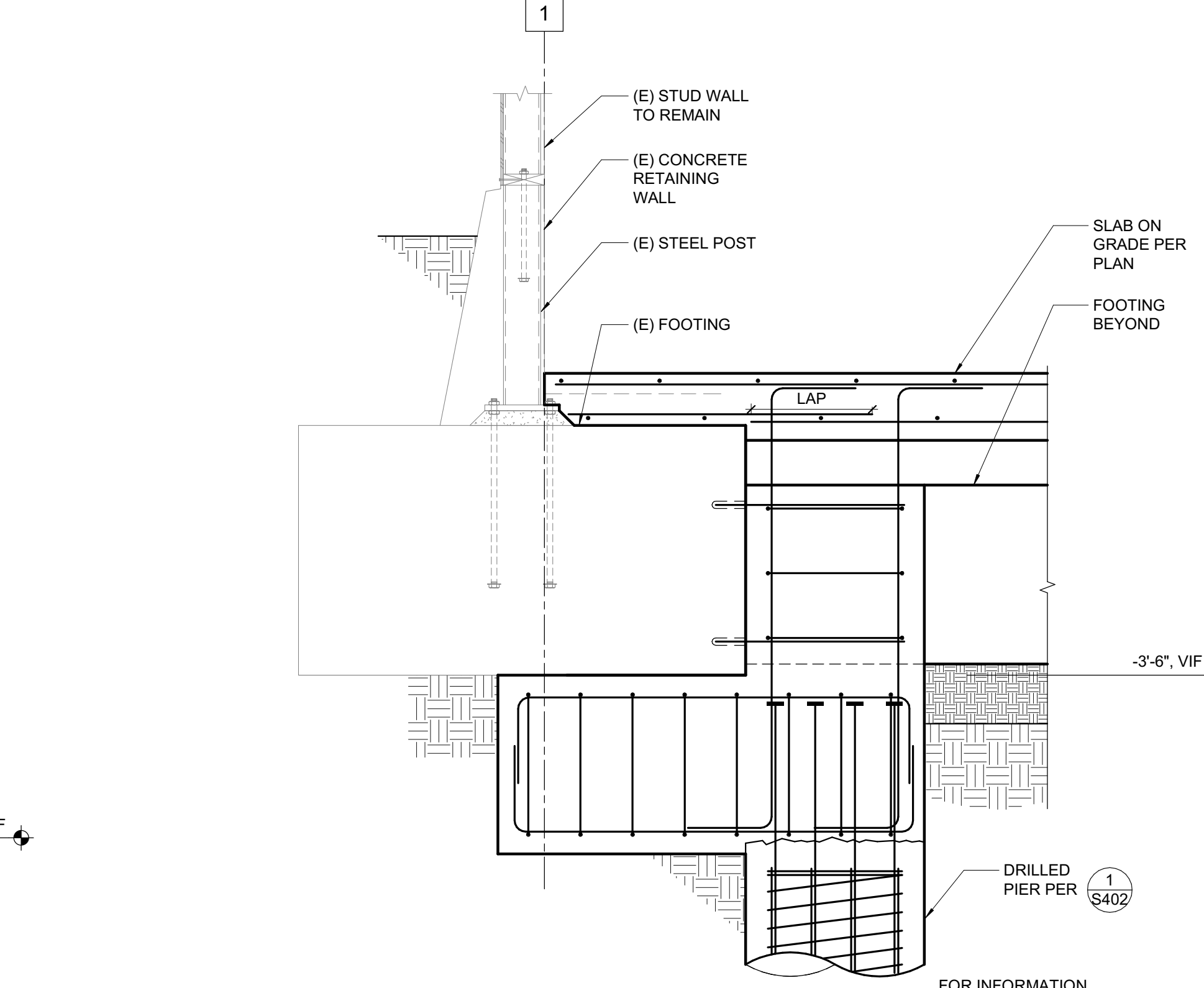
7 DRILLED PIER BELOW EXISTING GRADE BEAM  
 3/4" = 1'-0"



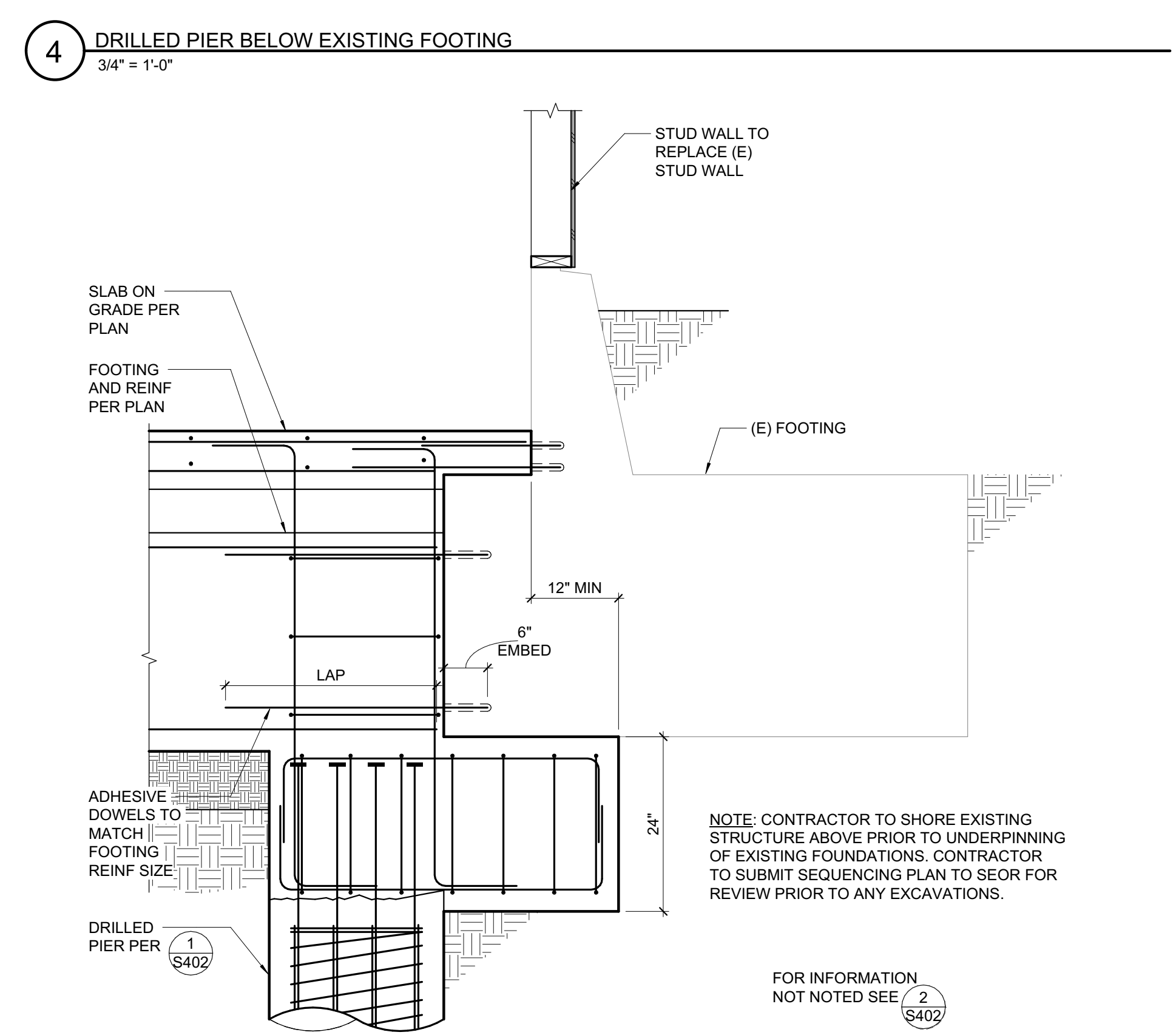
8 DRILLED PIER BELOW EXISTING FOOTING  
 3/4" = 1'-0"



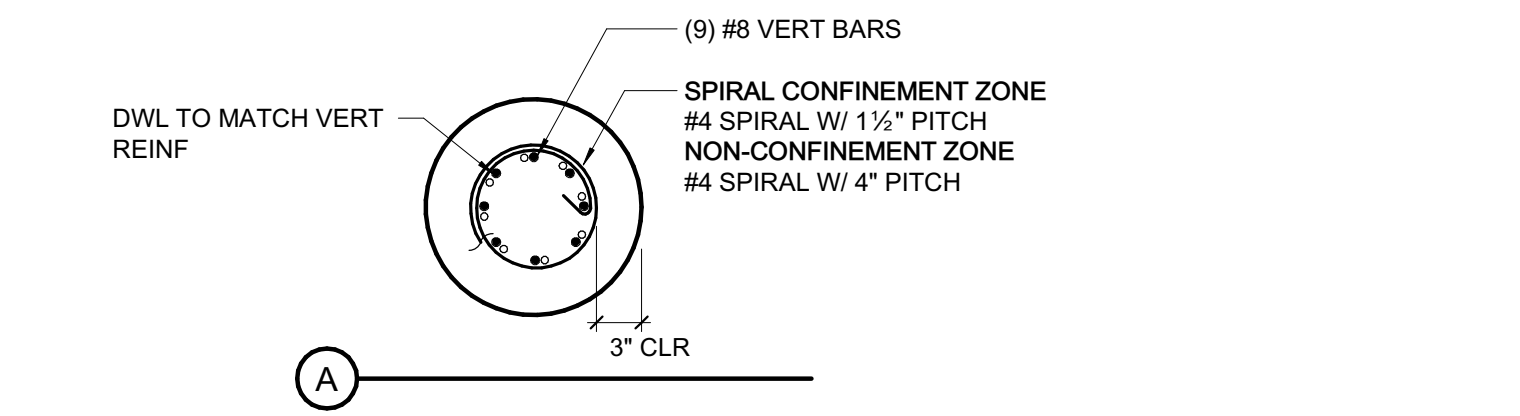
3 NEW SLAB TO EXISTING SLAB  
 3/4" = 1'-0"



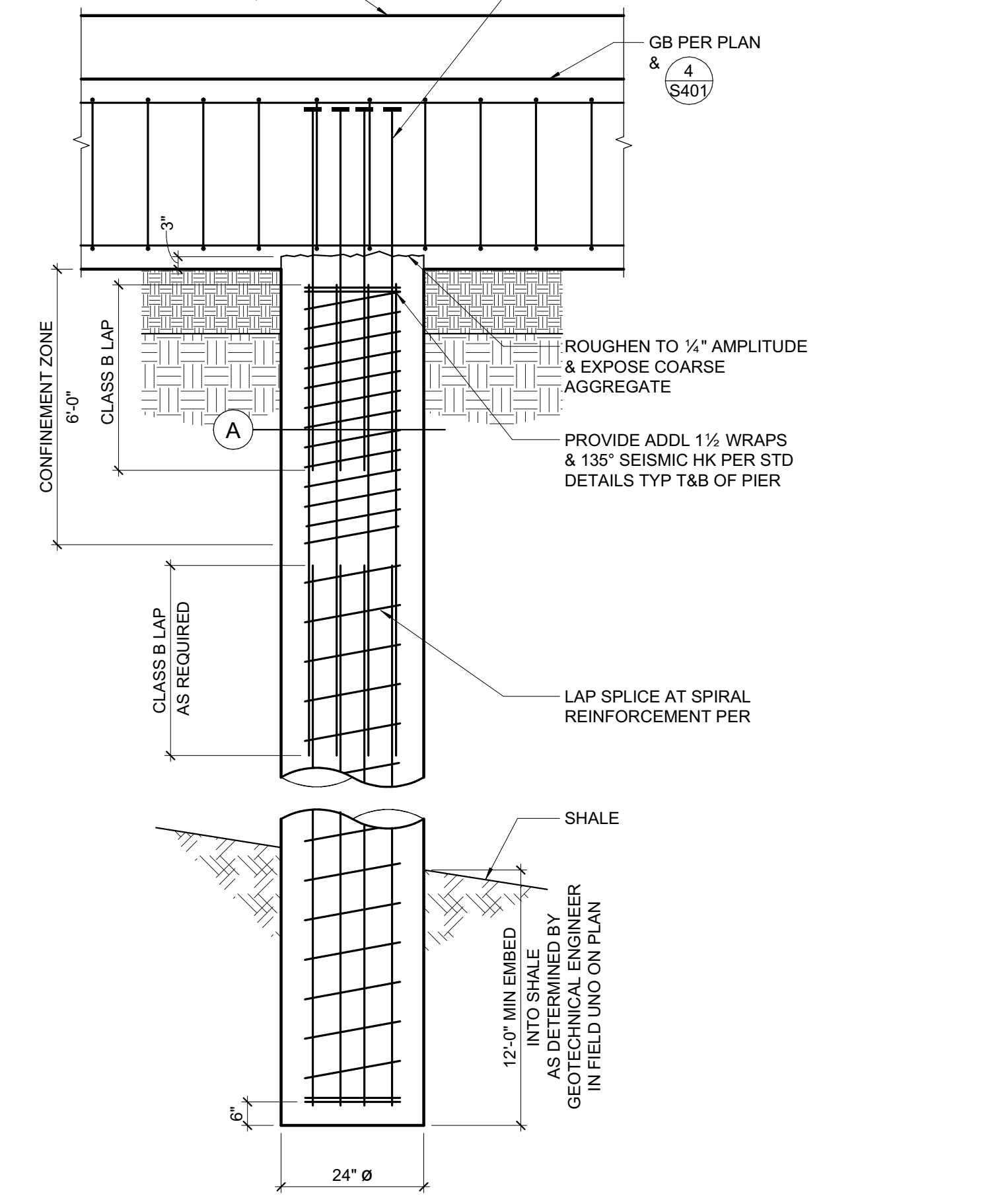
4 DRILLED PIER BELOW EXISTING FOOTING  
 3/4" = 1'-0"



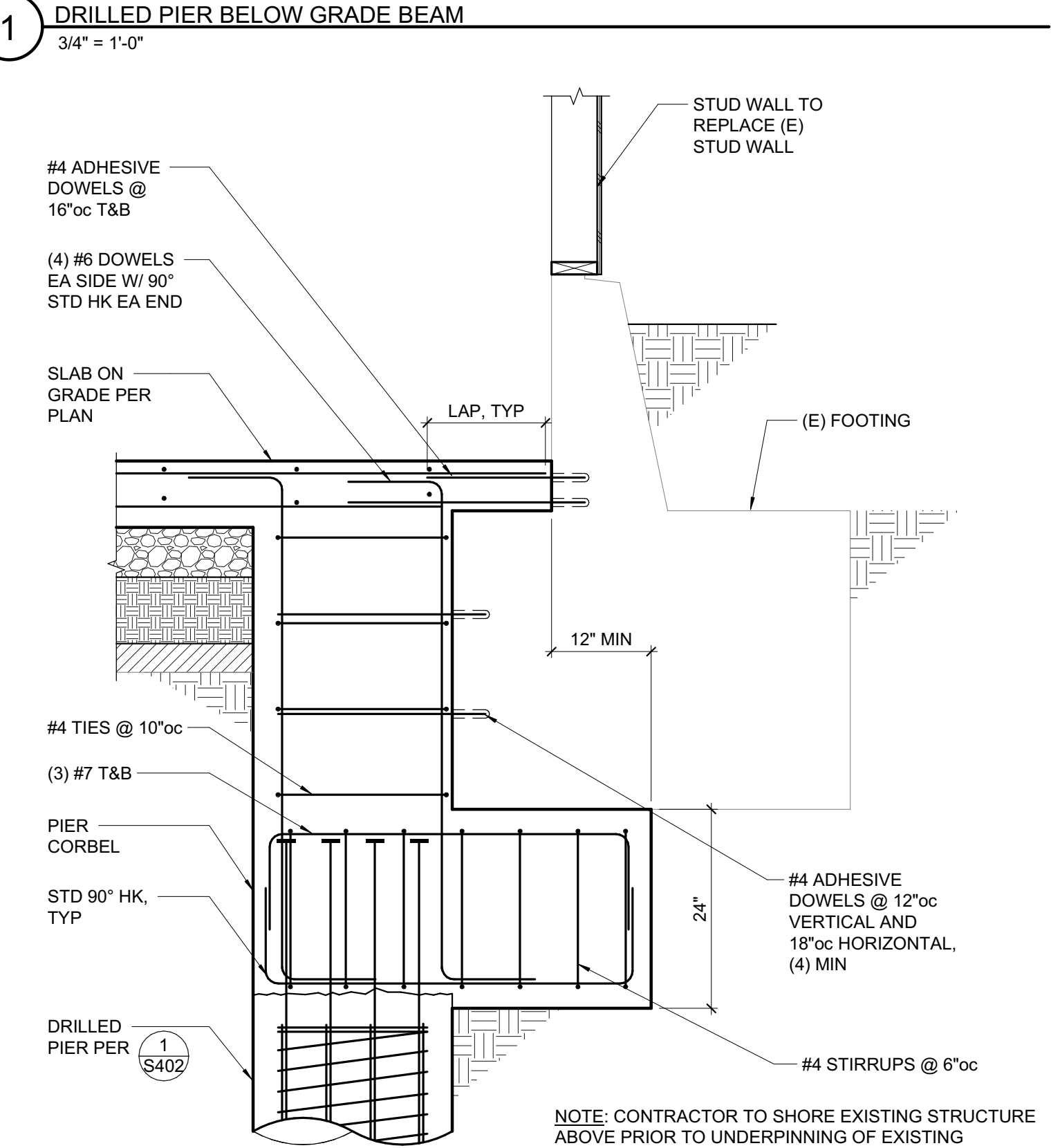
5 DRILLED PIER BELOW EXISTING GRADE BEAM  
 3/4" = 1'-0"



1 DRILLED PIER BELOW GRADE BEAM  
 3/4" = 1'-0"



1 DRILLED PIER BELOW GRADE BEAM  
 3/4" = 1'-0"



2 DRILLED PIER BELOW EXISTING GRADE BEAM  
 3/4" = 1'-0"

PERMIT DRAWINGS - NOT FOR CONSTRUCTION

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION FOUNDATION DETAILS

**S402**

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM  
 CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 522-0664  
 ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
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 STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869  
 CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200  
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 T: (510) 879-4544  
 MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390  
 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
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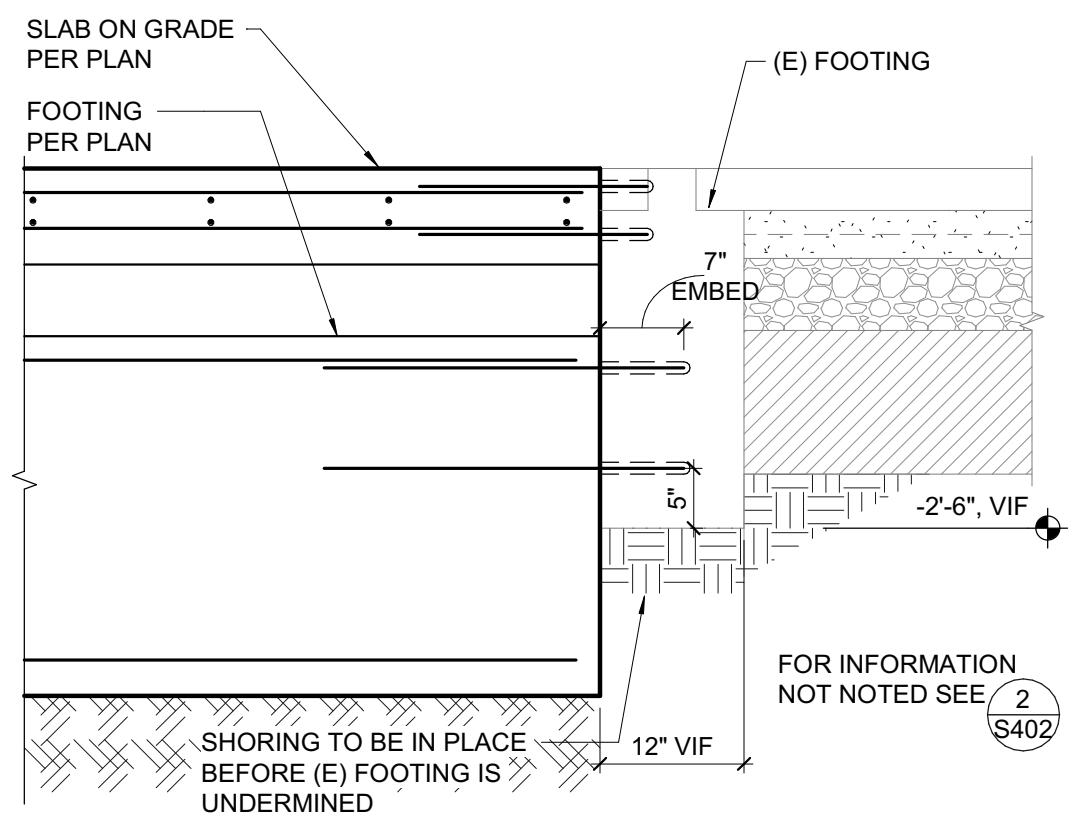
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
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| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

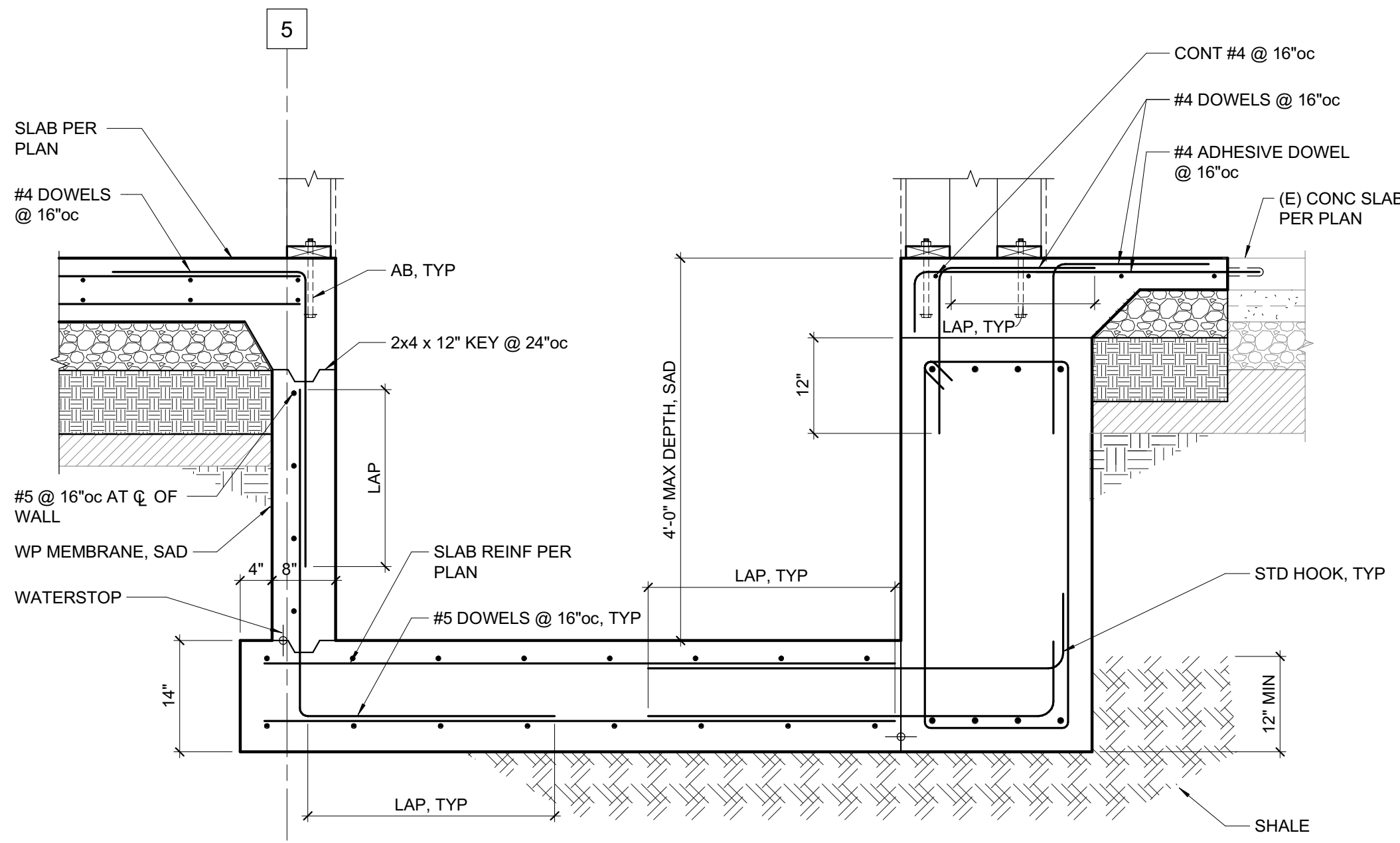
DESCRIPTION  
**FOUNDATION AND ELEVATOR DETAILS**

**S403**

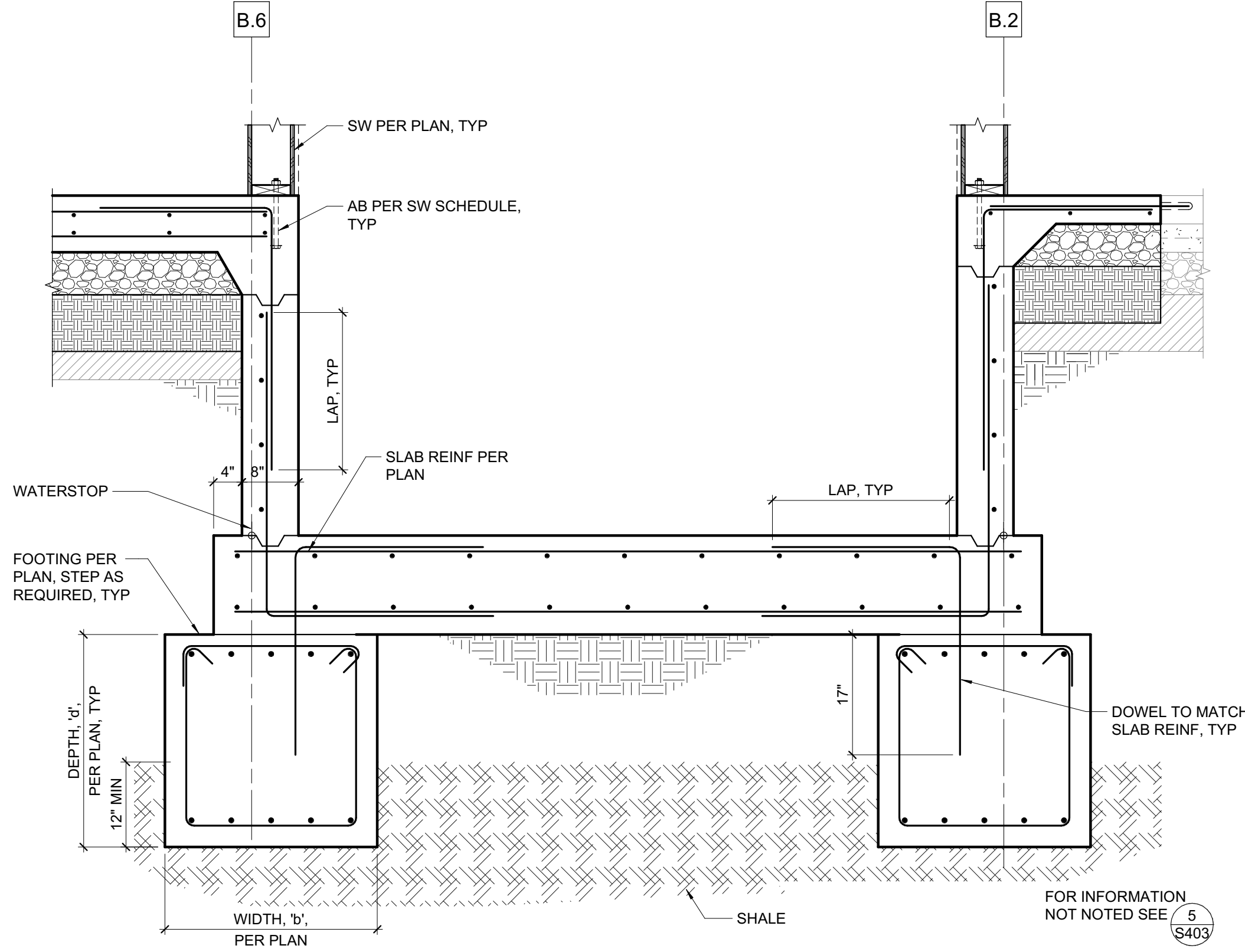
PERMIT DRAWINGS - NOT FOR CONSTRUCTION



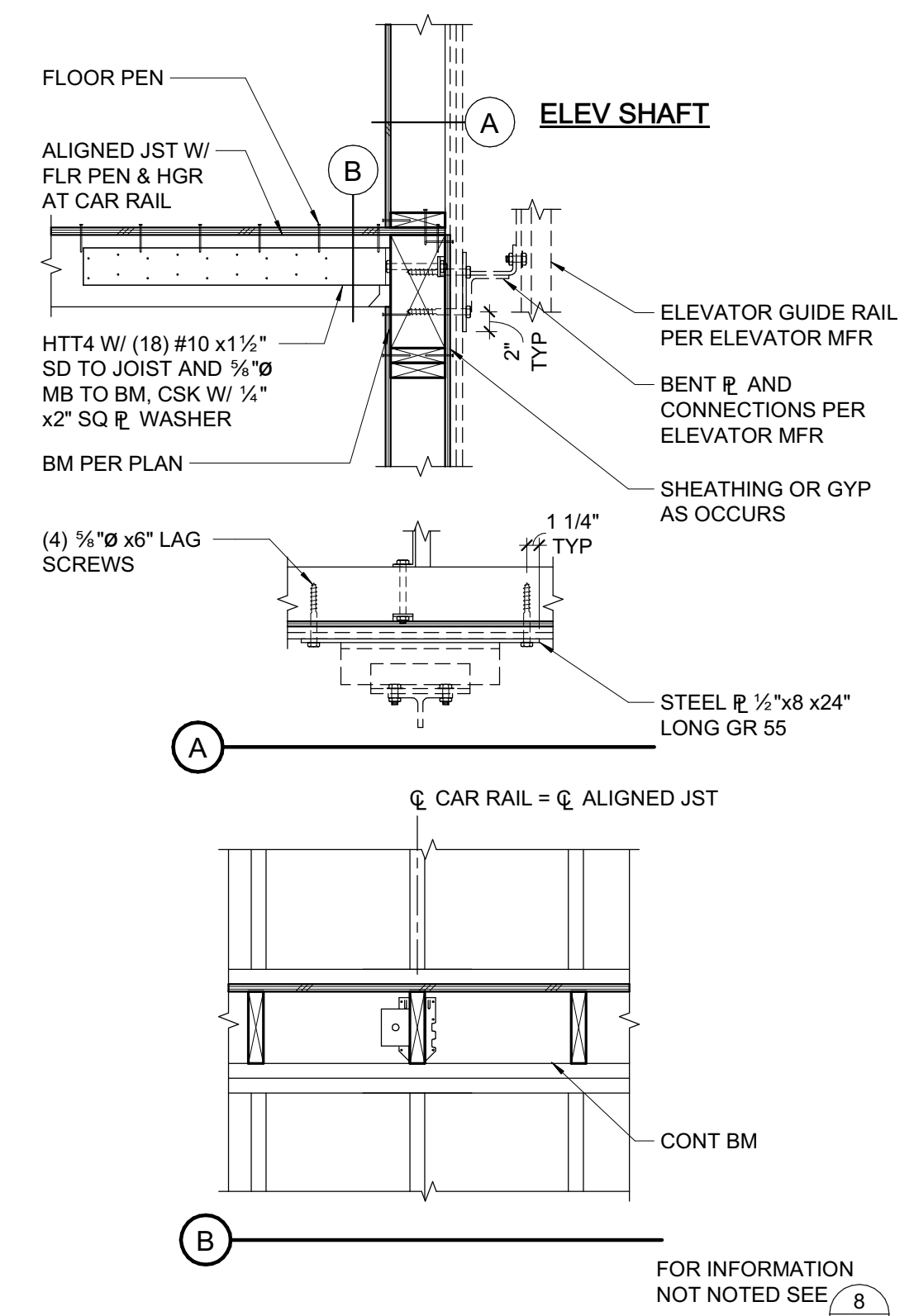
**4 NEW FOOTING TO EXISTING FOOTING**  
 3/4" = 1'-0"



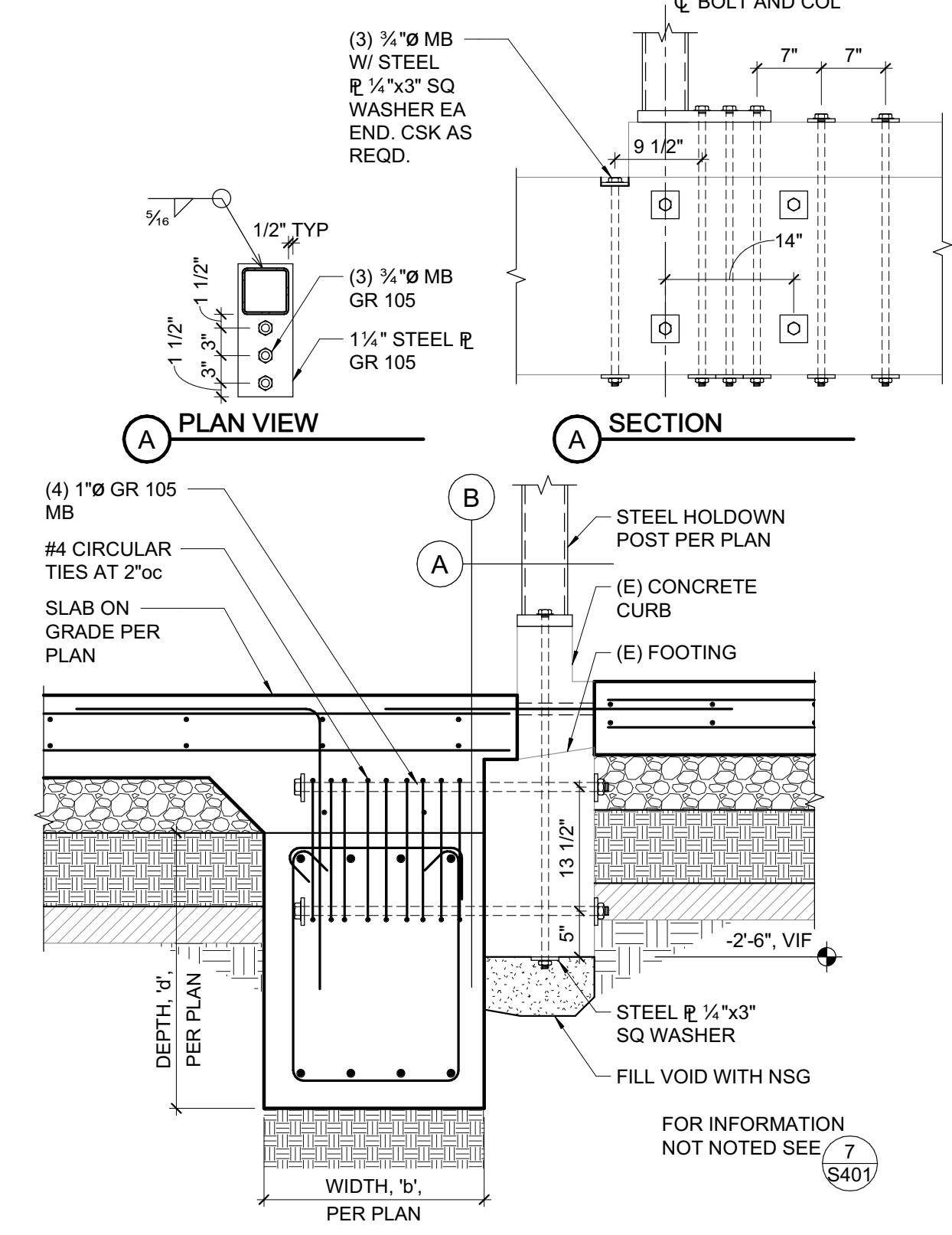
**5 ELEVATOR PIT**  
 3/4" = 1'-0"



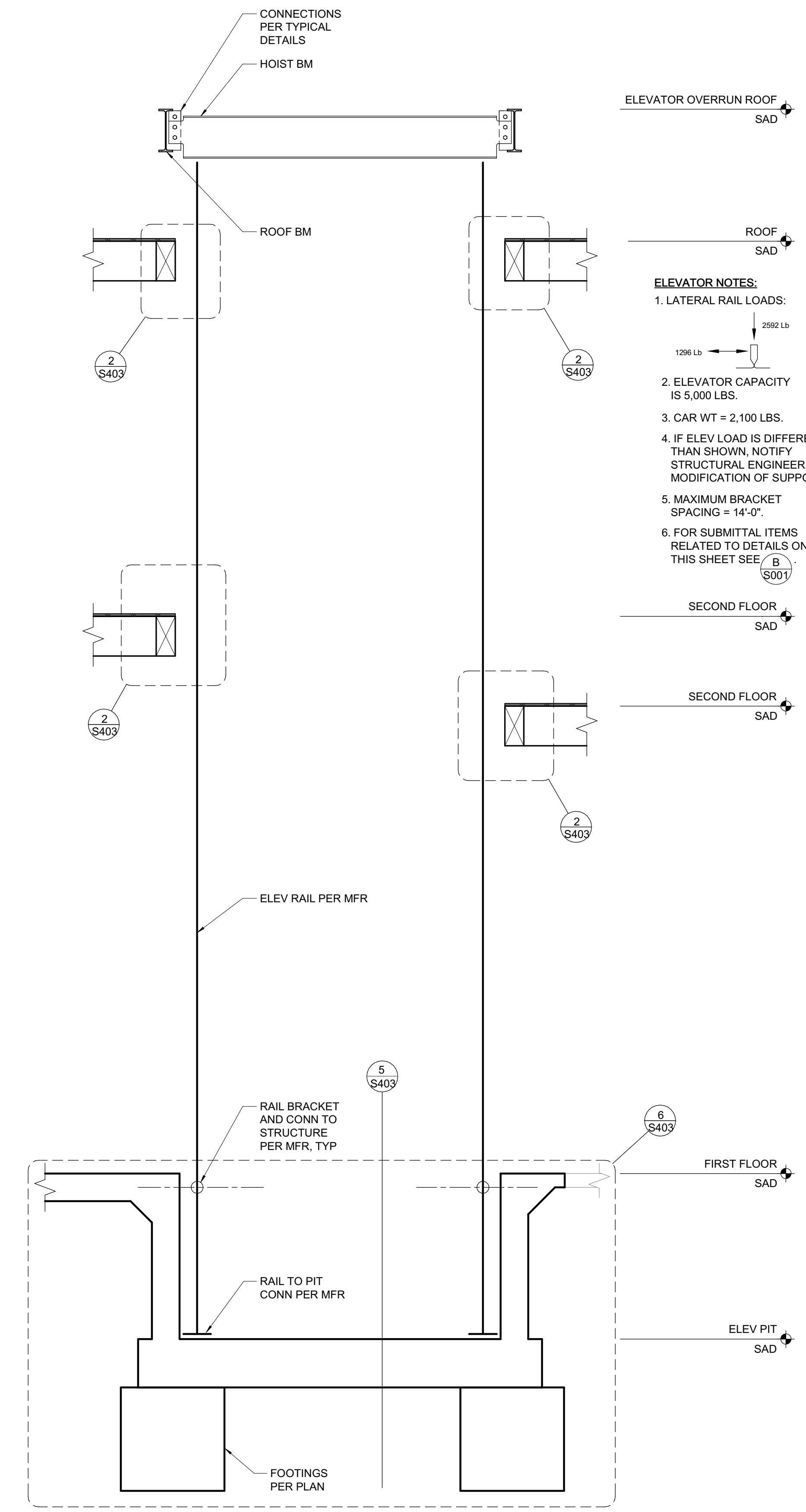
**6 ELEVATOR PIT**  
 3/4" = 1'-0"



**2 ELEVATOR RAILS AT WOOD FRAMING**  
 3/4" = 1'-0"



**3 ANCHORAGE AT HOLDOWN POSTS AT GRID 4**  
 3/4" = 1'-0"

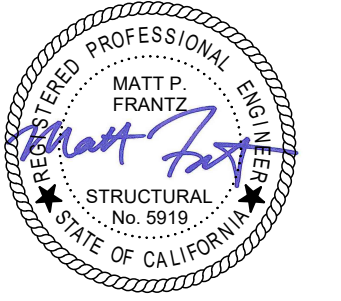


**1 ELEVATOR SECTION**  
 1/2" = 1'-0"

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3/31/2022 5:14:05 PM

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
 KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
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ARCHITECT: MARJANG ARCHITECTURE  
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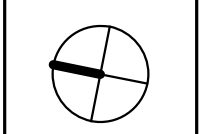
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
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ESTIMATOR: MICROESTIMATION INC.  
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| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
**STAIR FRAMING  
 DETAILS**



**S601**

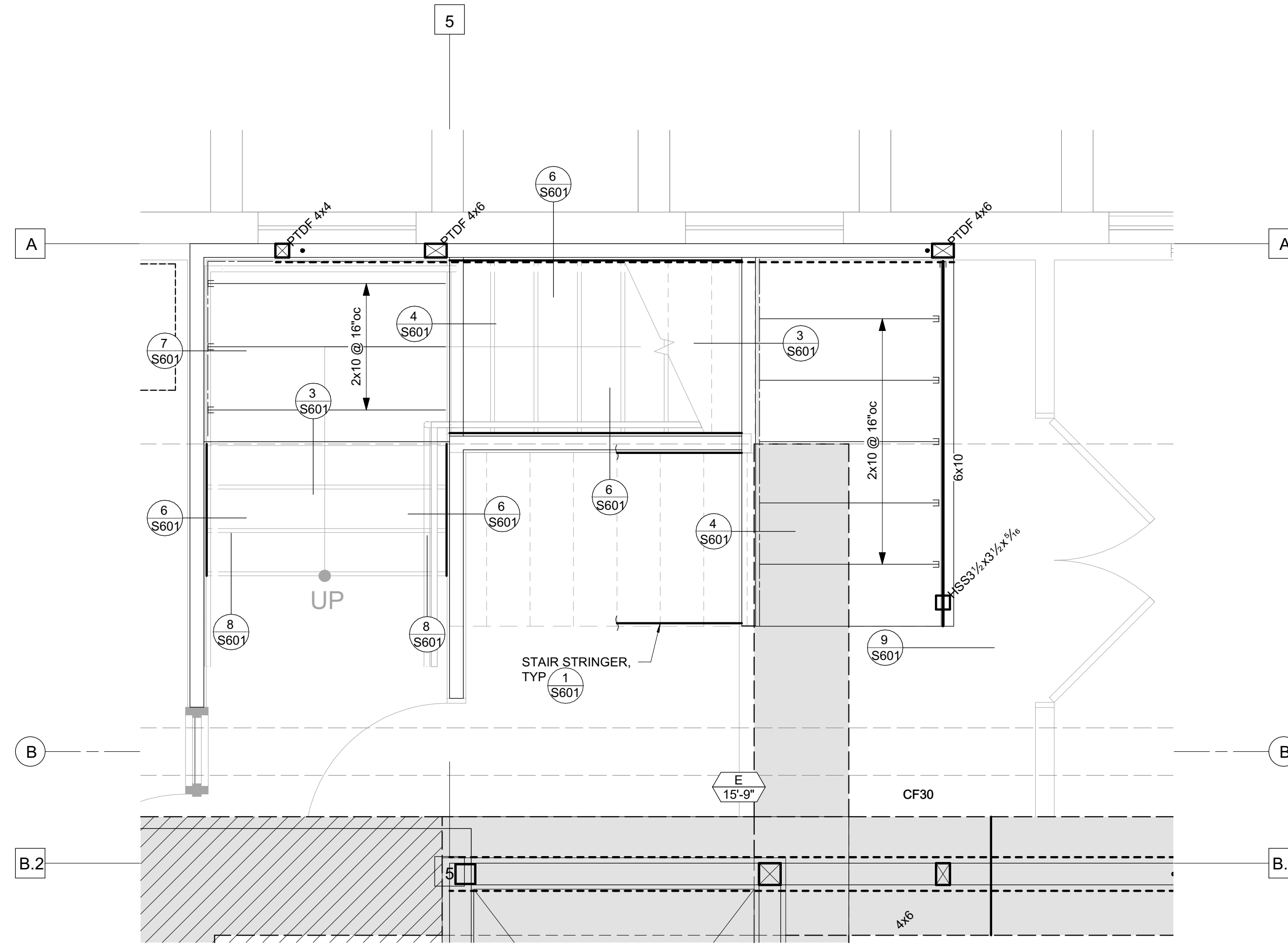
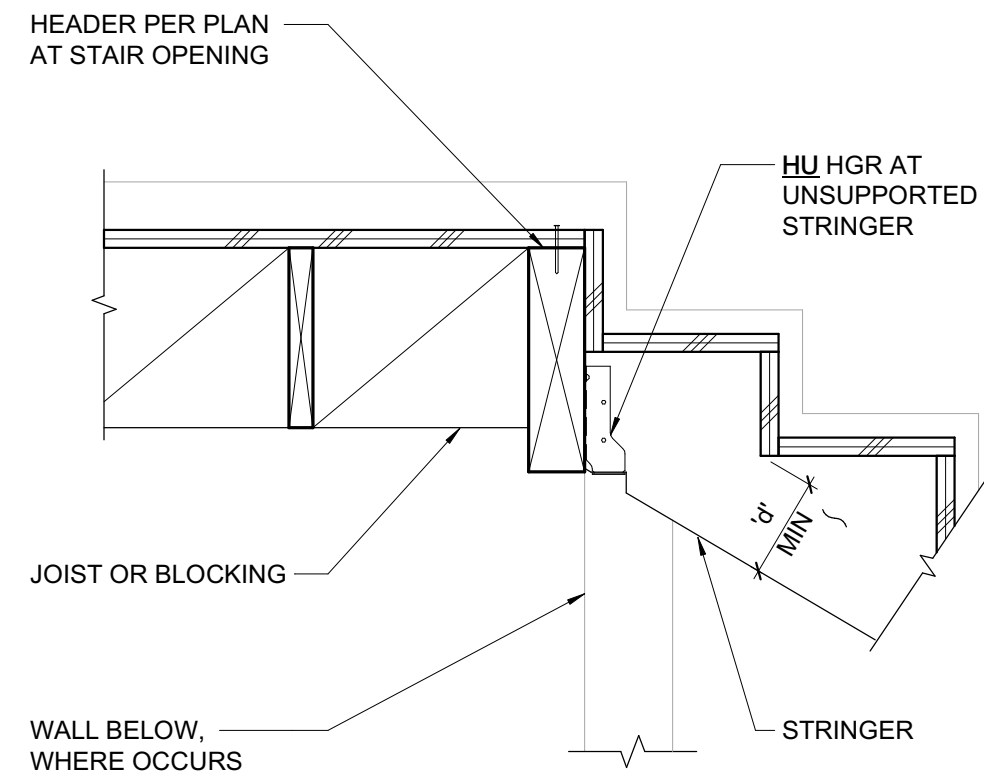
PERMIT DRAWINGS - NOT FOR CONSTRUCTION

| STRINGER SCHEDULE |     |          |
|-------------------|-----|----------|
| MAX SPAN          | "d" | MATERIAL |
| 4'-0"             | 4"  | LVL 2.0E |
| 8'-0"             | 7"  | LVL 2.0E |

NOTES:

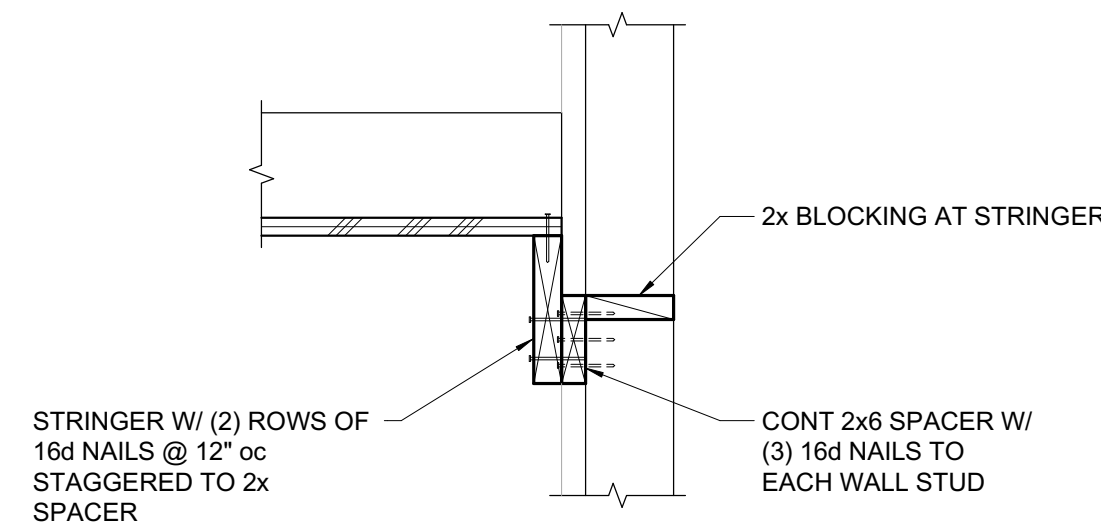
- MIN SIZES UNLESS LARGER DIMENSIONS SHOWN ON PLANS.
- STRINGERS AT EACH SIDE OF EACH STAIR, (2) STRINGERS MIN.
- SPAN = LENGTH OF STRINGER.
- ALTERNATE FRAMING DETAILS AND CONFIGURATIONS ARE ACCEPTABLE ONLY IF APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
- SAD FOR RISE/RUN DIMENSIONS.
- SAD FOR TREAD AND FINISH INFORMATION.

1 TYPICAL STAIR FRAMING  
 1" = 1'-0"

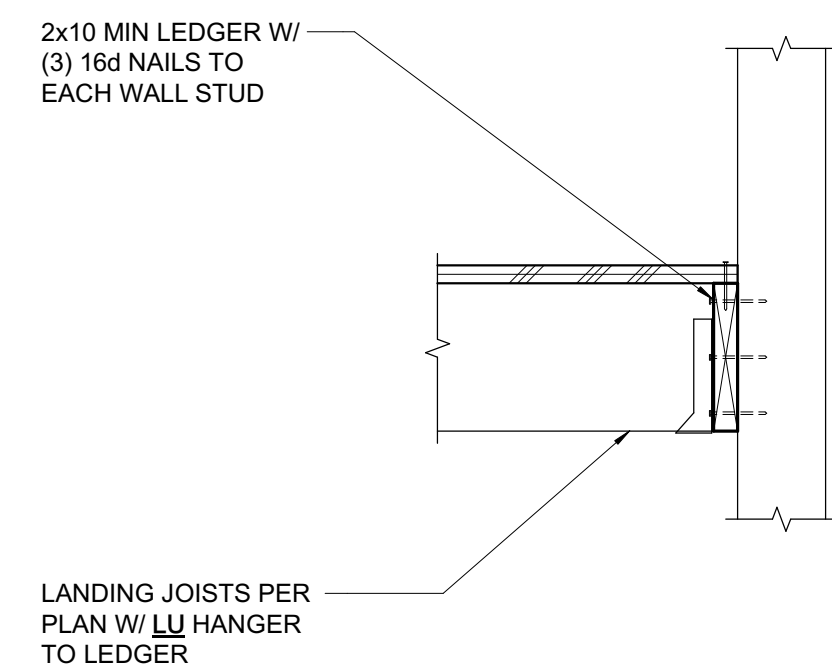


2 STAIR LANDING PLAN  
 1/2" = 1'-0"

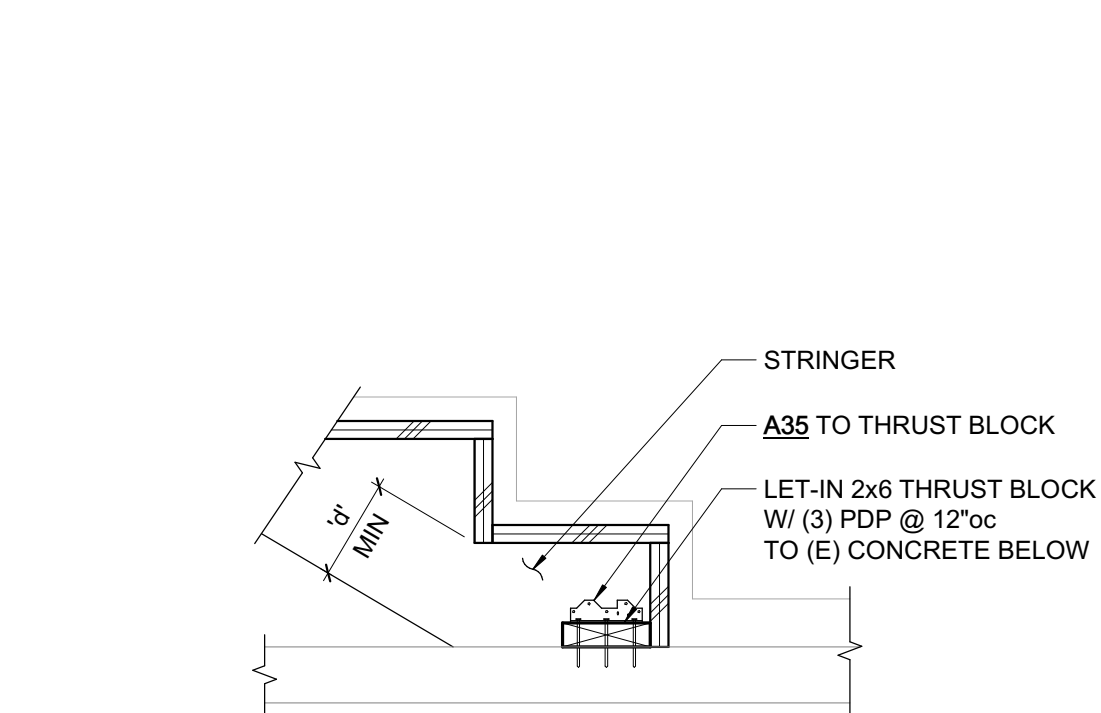
5 TOP OF STRINGER AT FLOOR  
 1" = 1'-0"



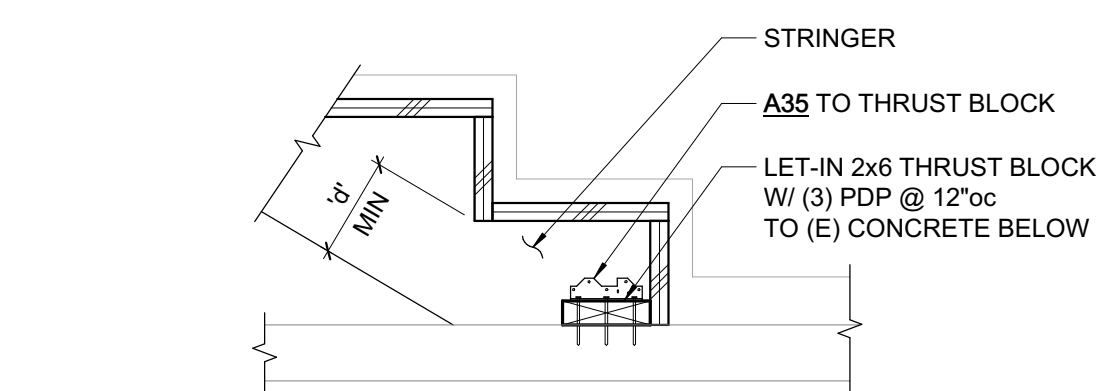
6 WALL SUPPORTED STRINGER  
 1" = 1'-0"



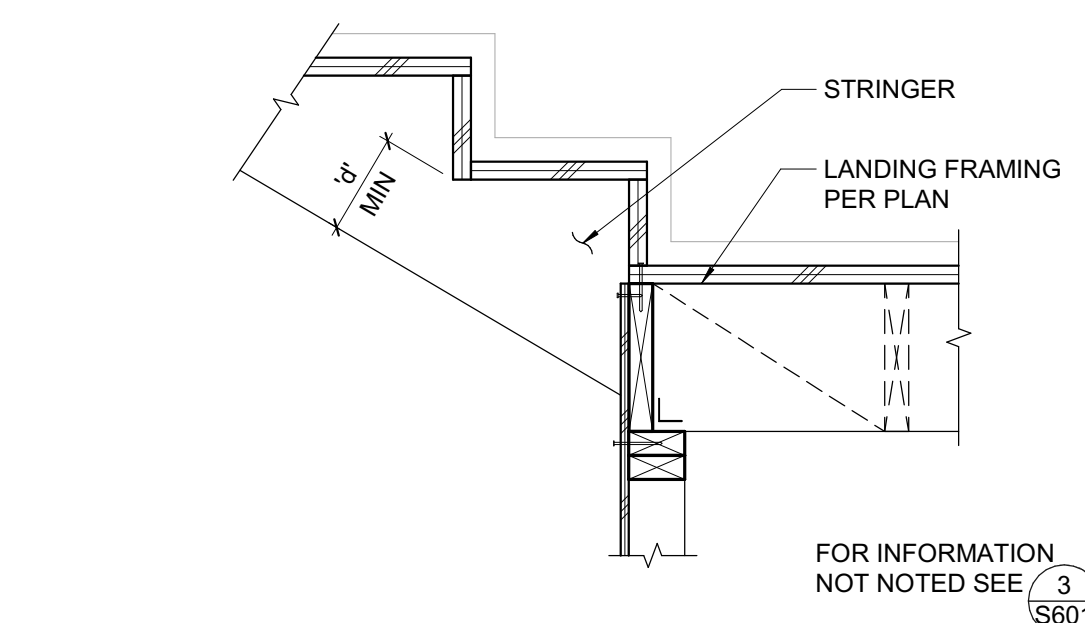
7 WALL SUPPORTED LANDING FRAMING  
 1" = 1'-0"



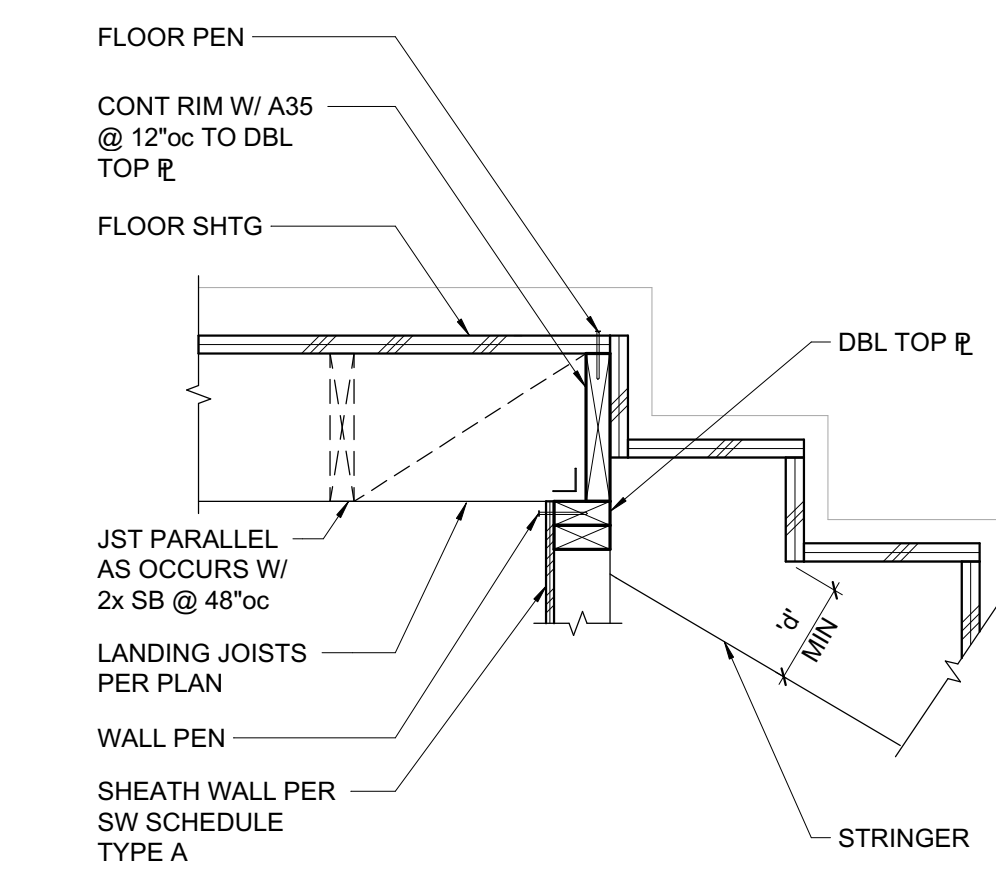
8 STRINGER AT EXISTING CONCRETE  
 1" = 1'-0"



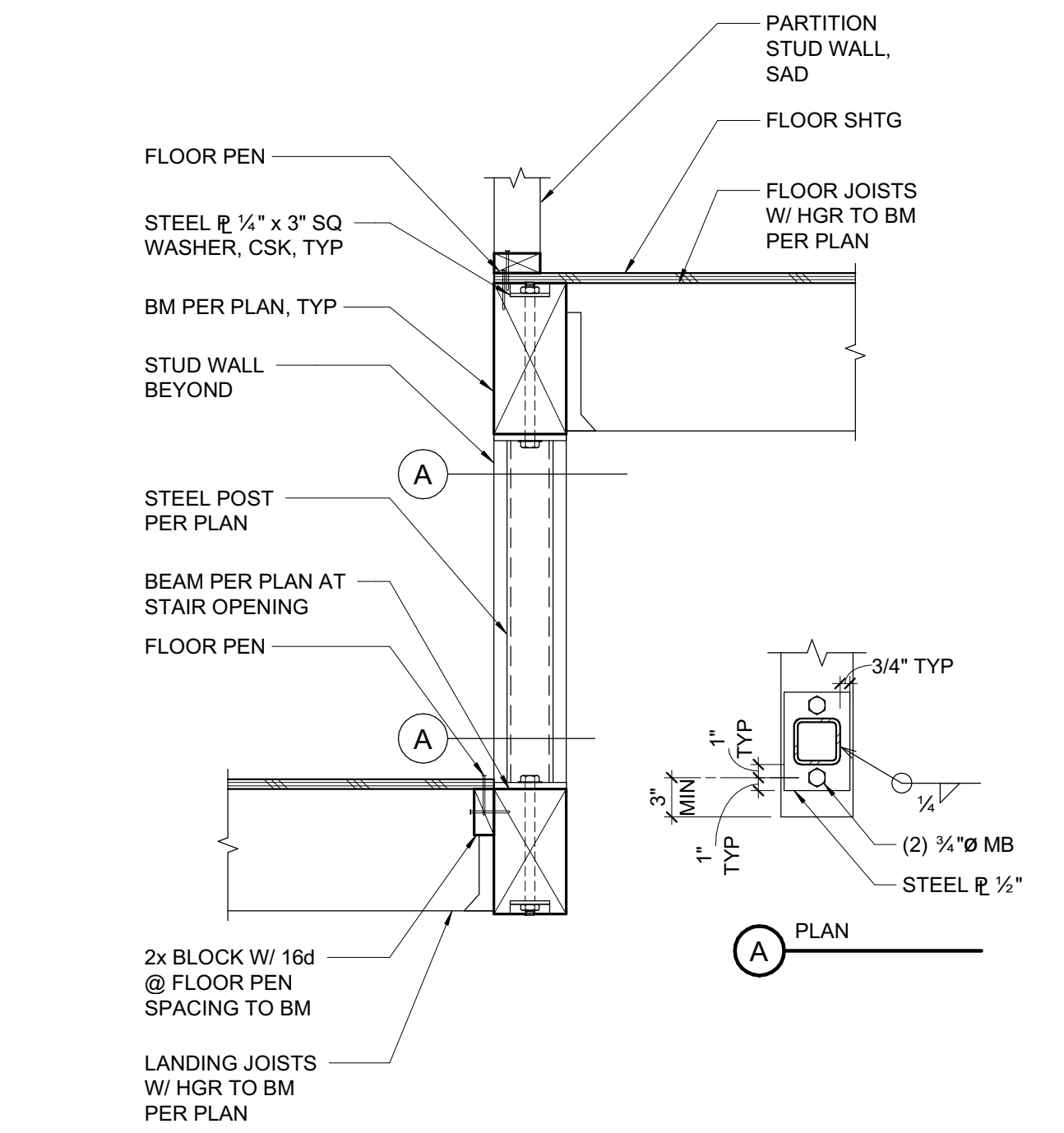
4 STRINGER AT LANDING  
 1" = 1'-0"

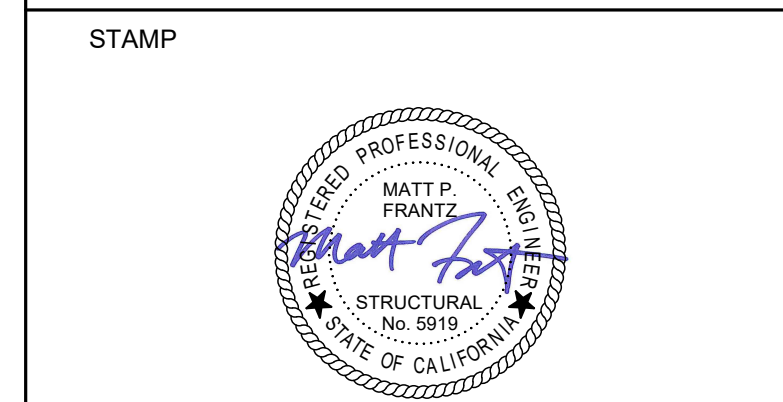


3 STRINGER AT LANDING  
 1" = 1'-0"



9 HANGER POST AT LANDING  
 1" = 1'-0"





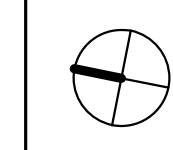
PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM  
 CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064  
 ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600  
 STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869  
 CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200  
 GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544  
 MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390  
 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140  
 ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

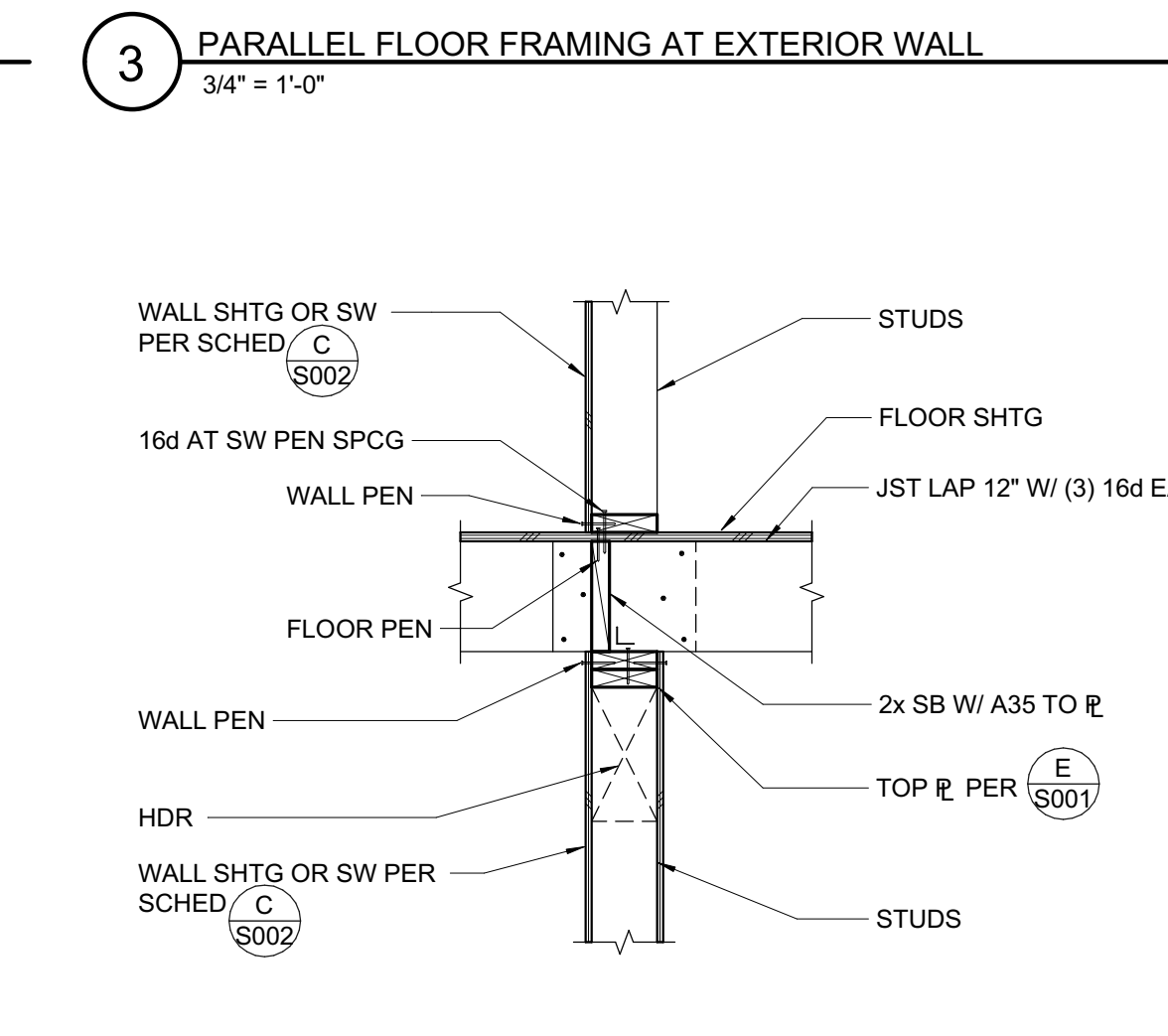
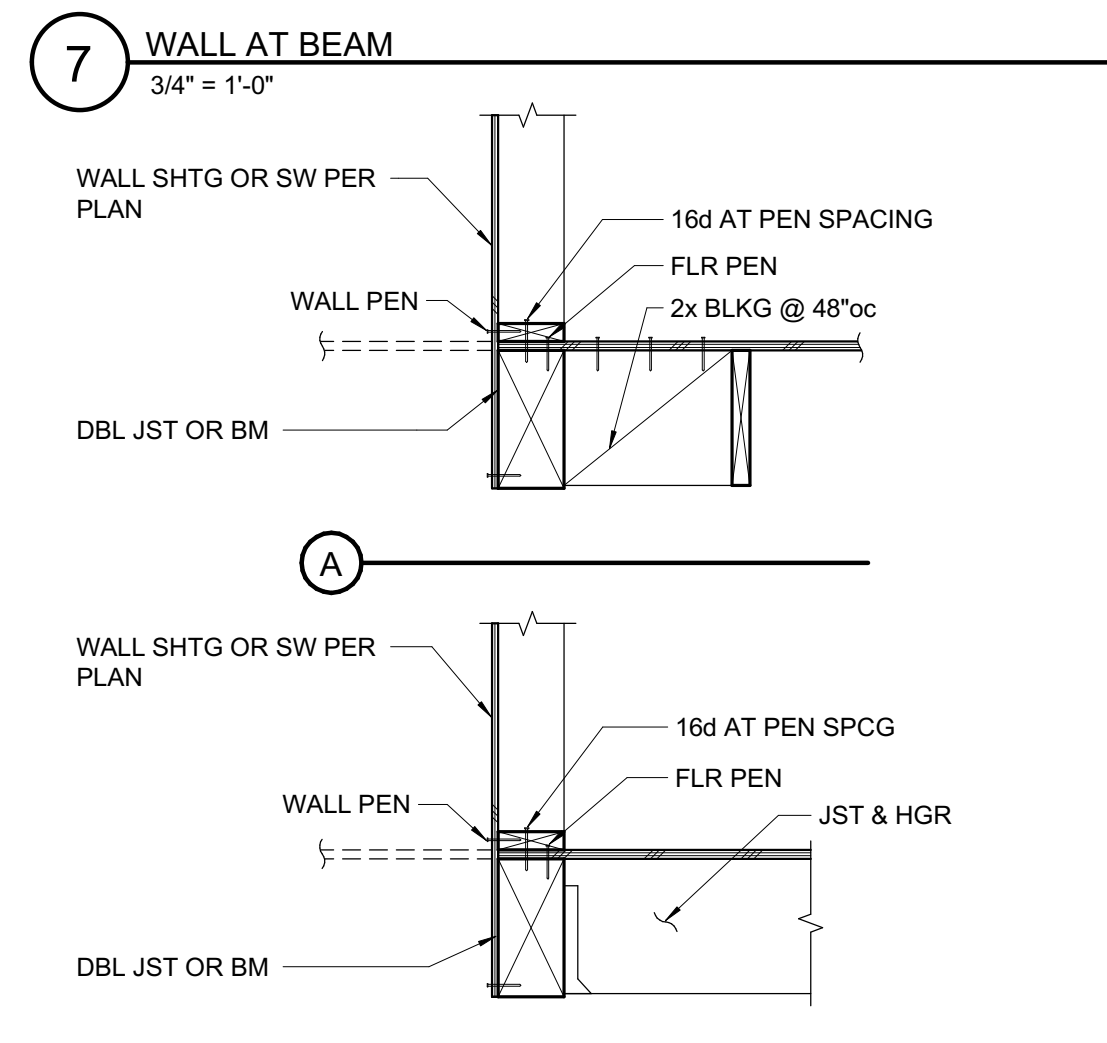
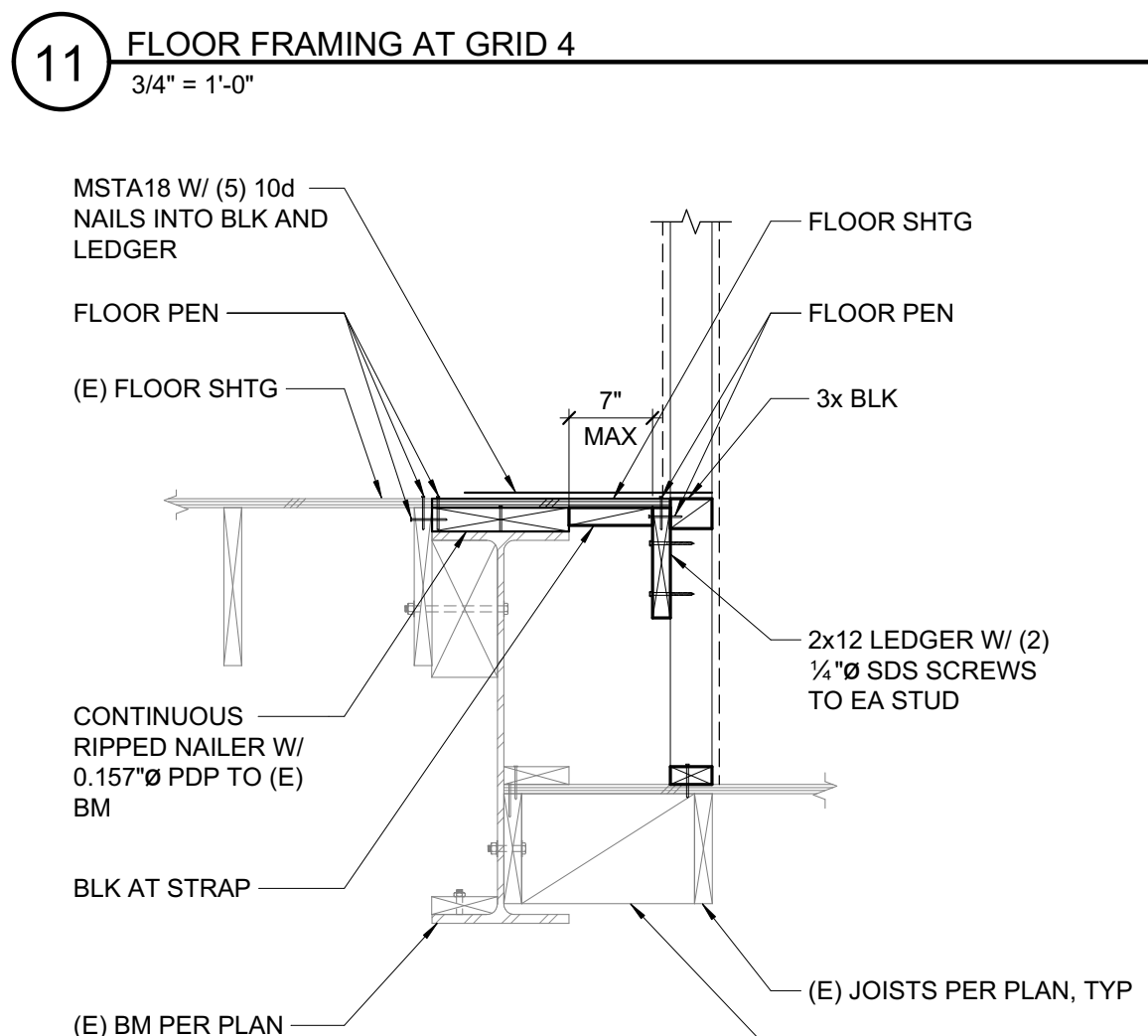
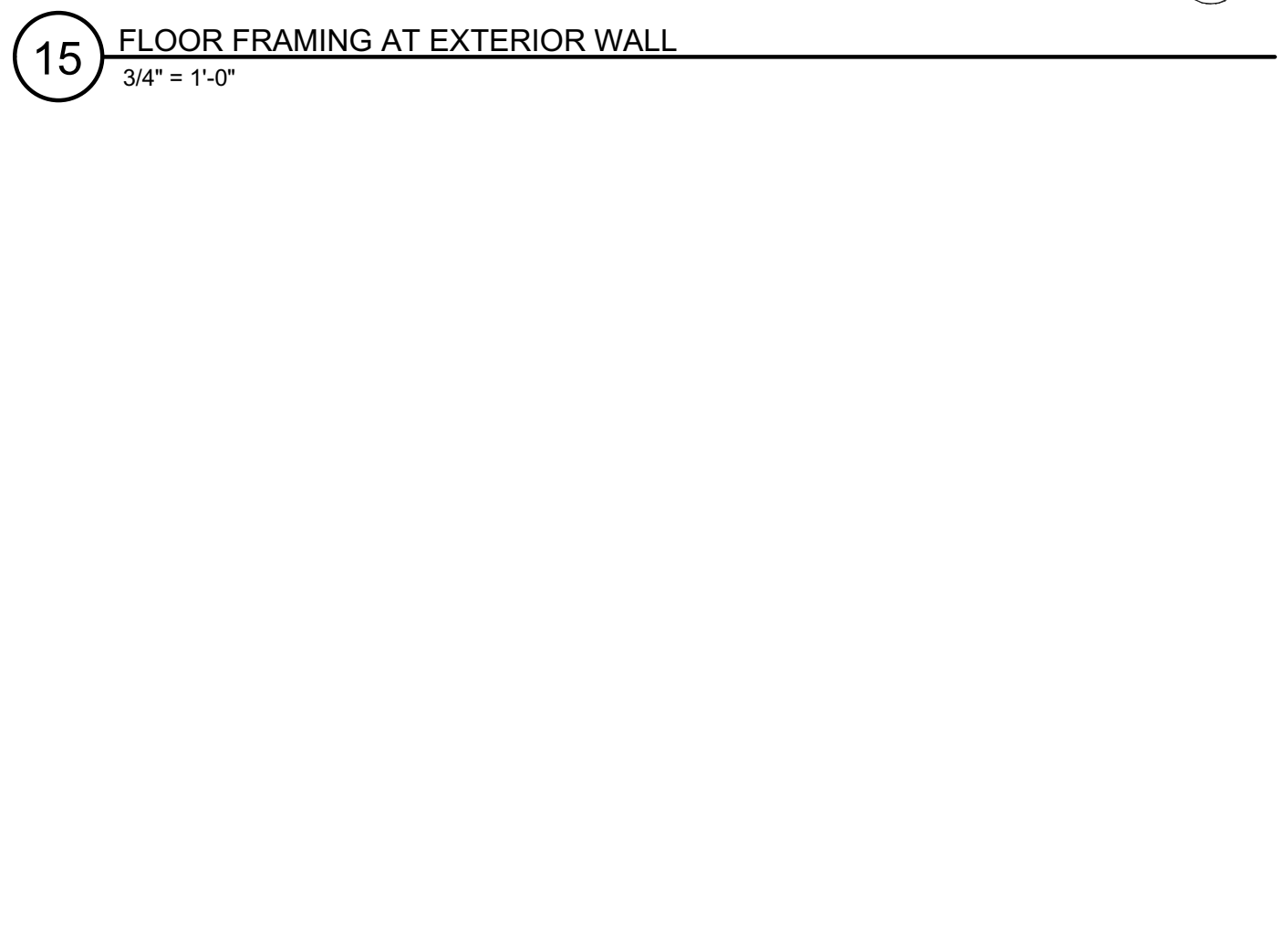
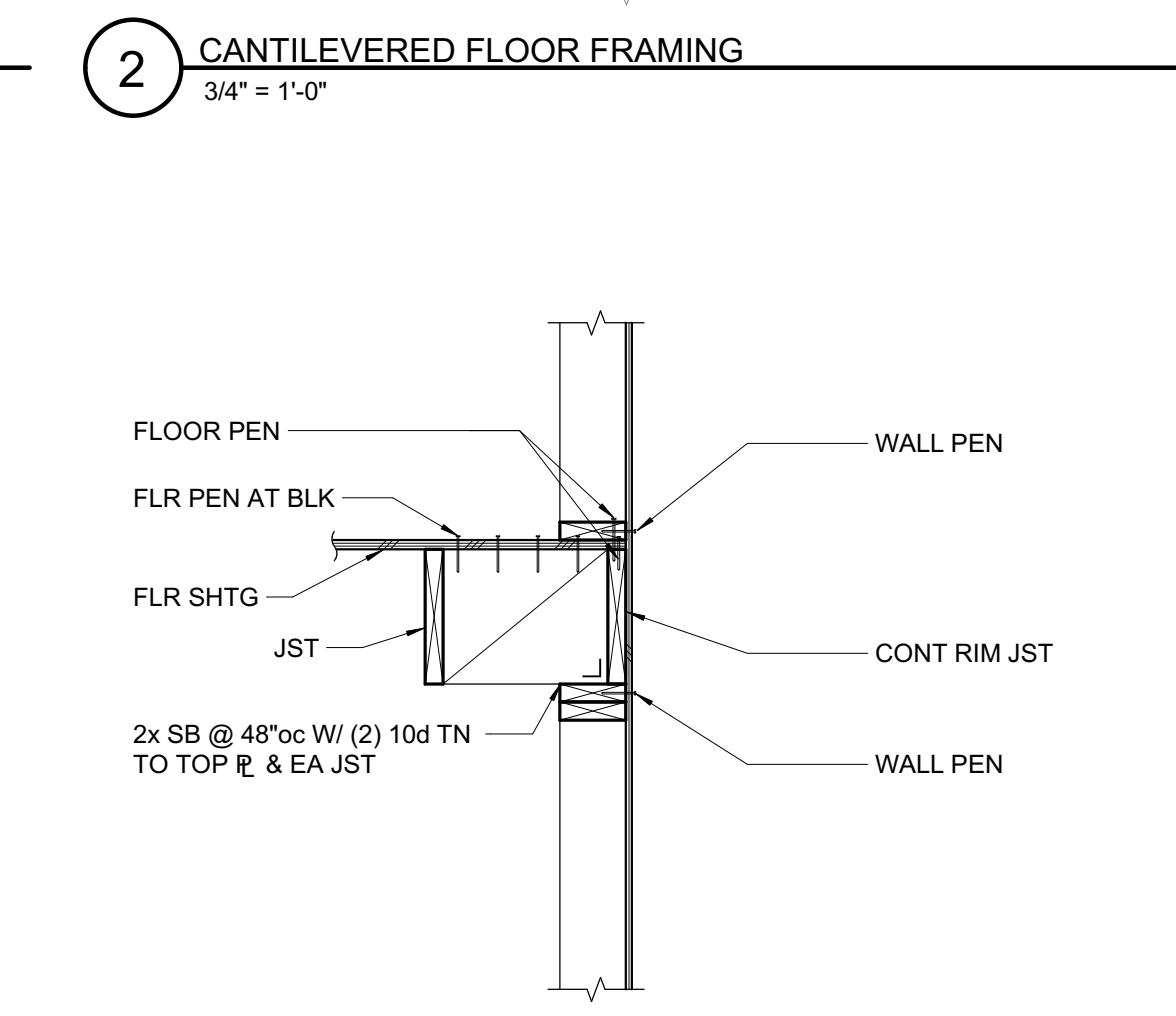
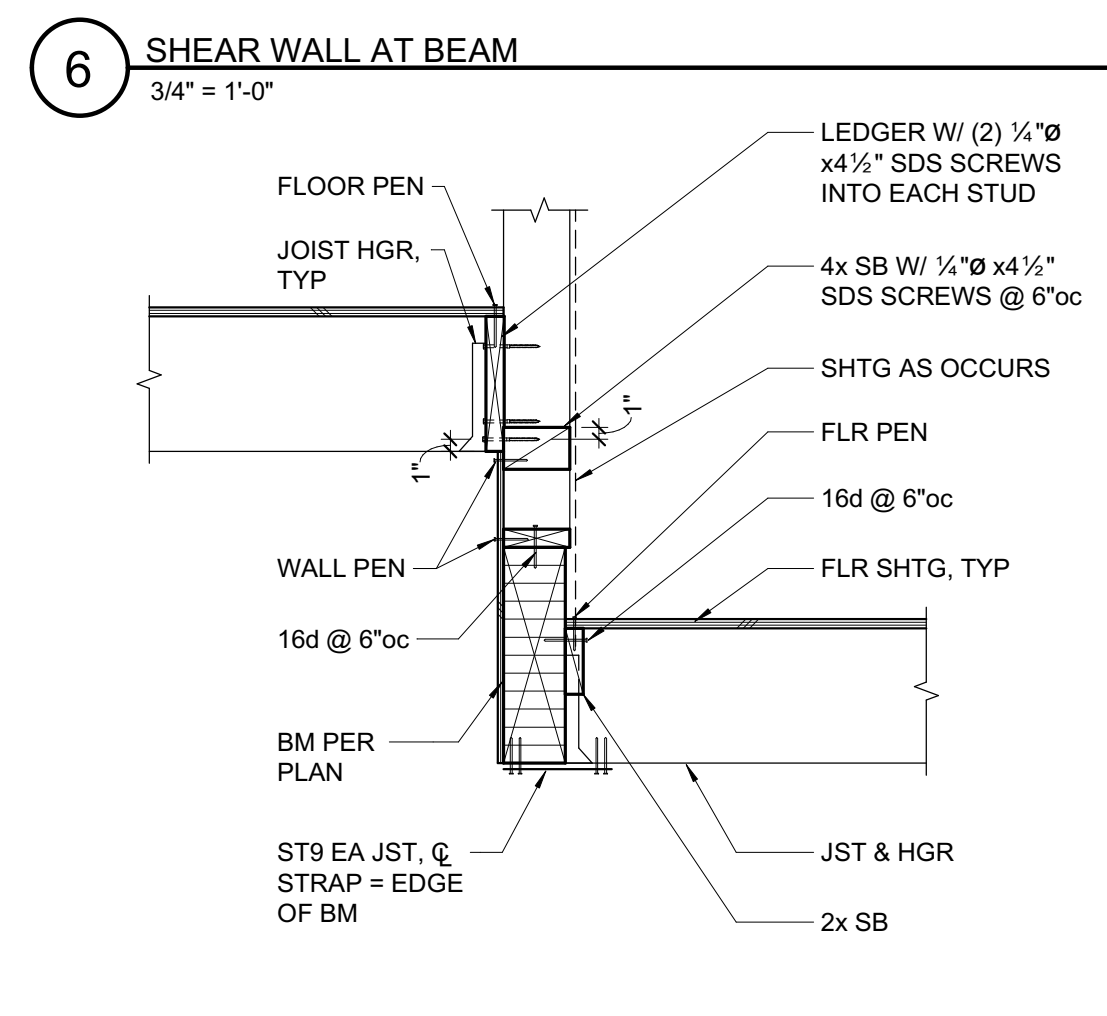
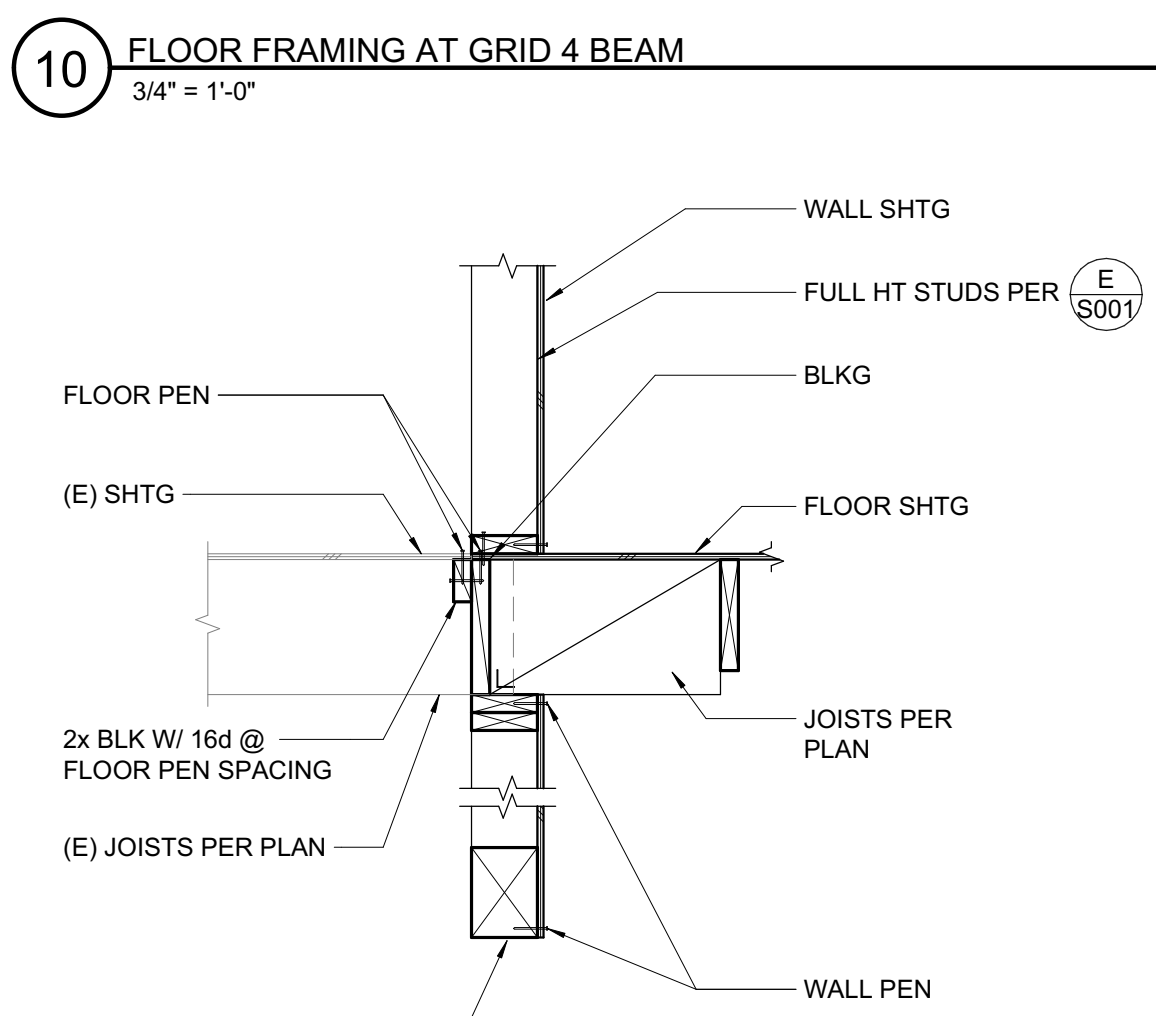
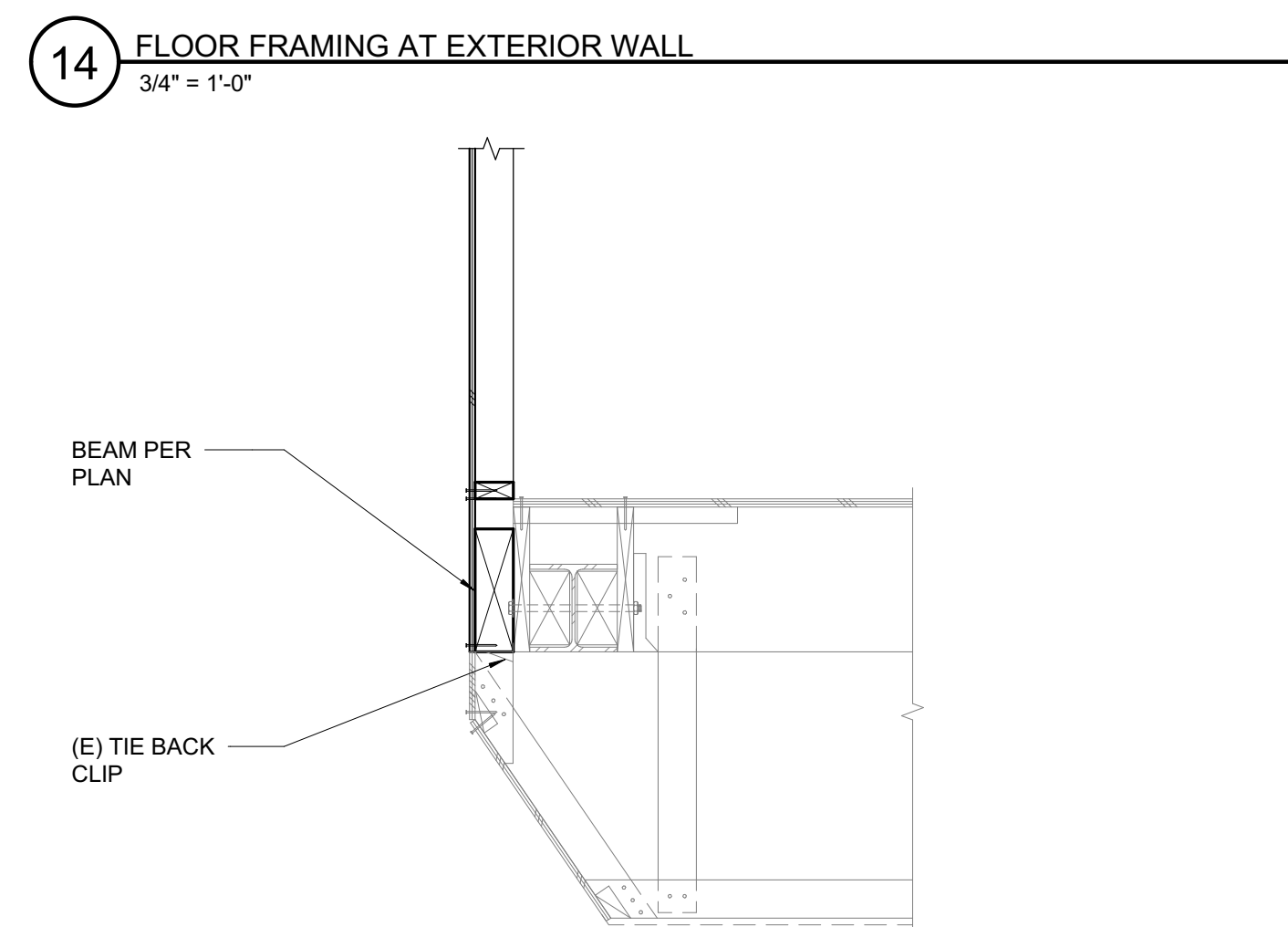
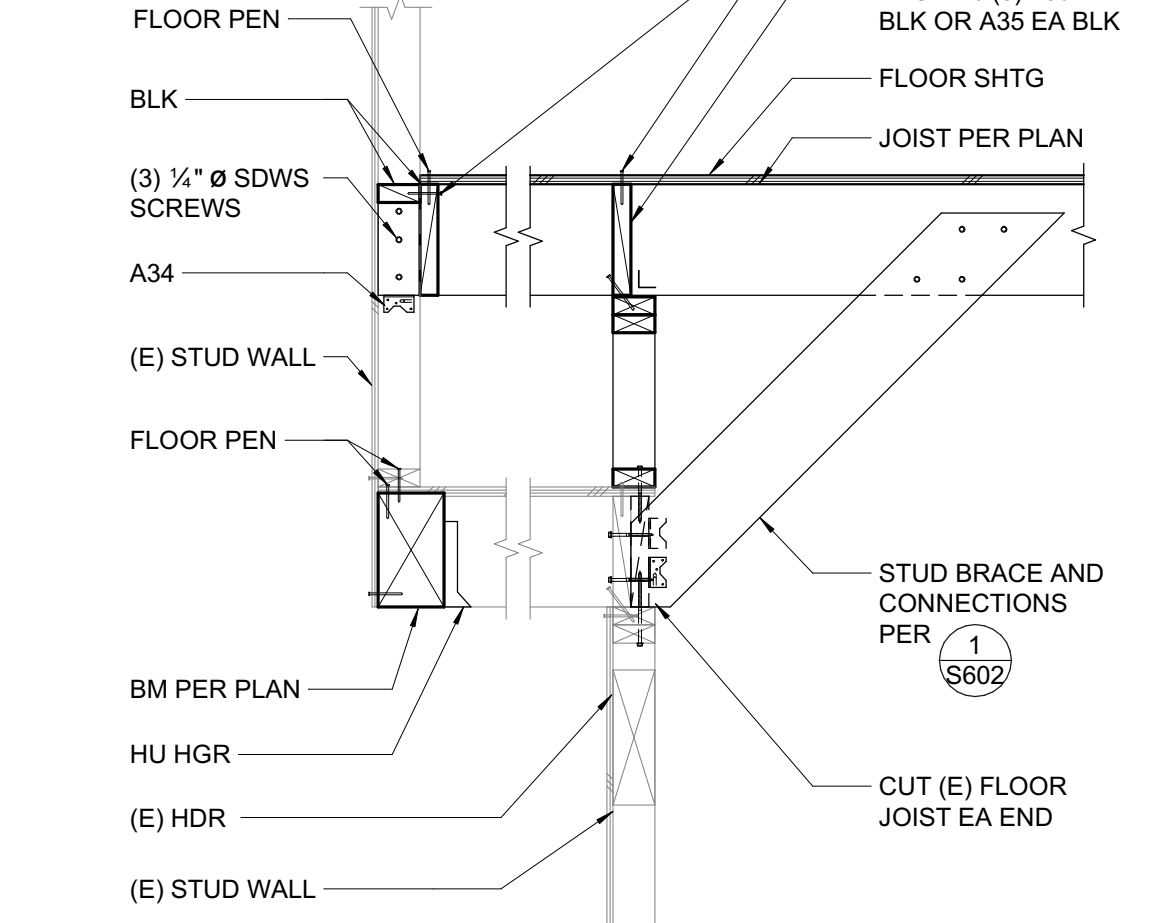
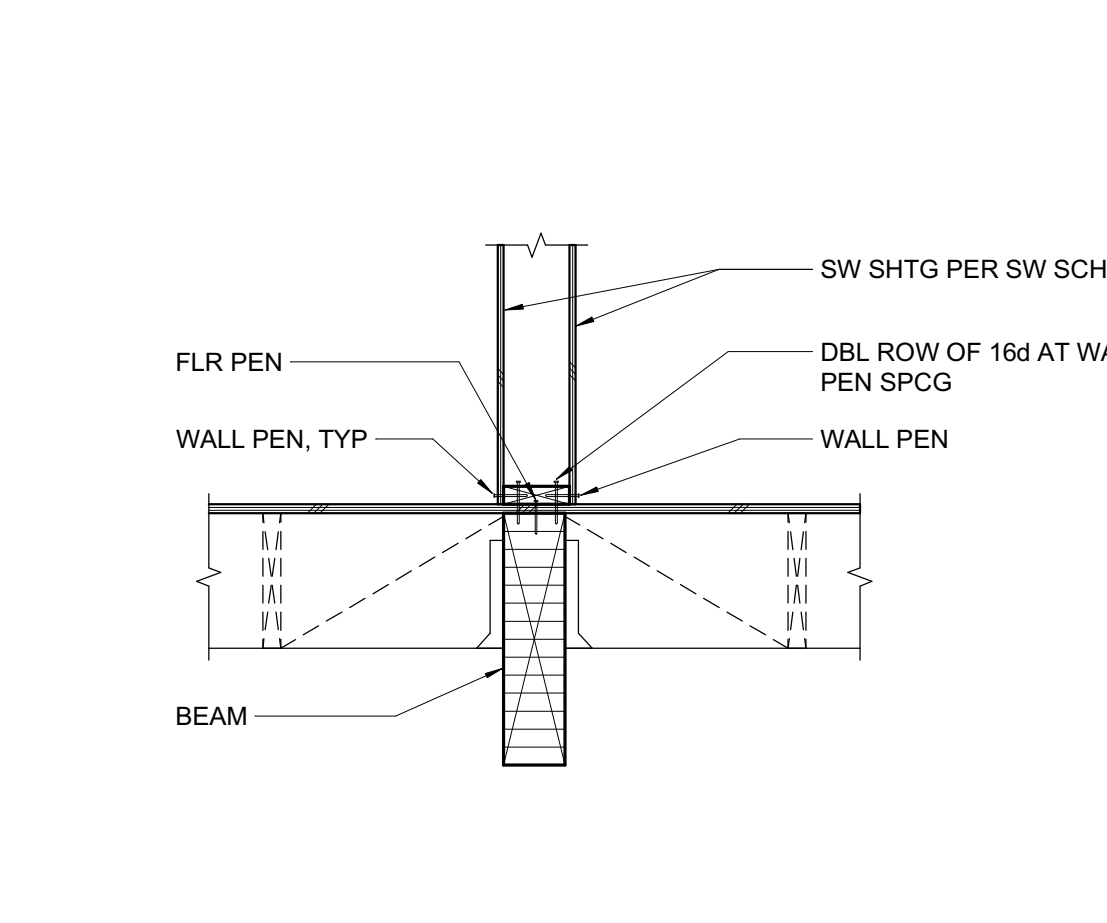
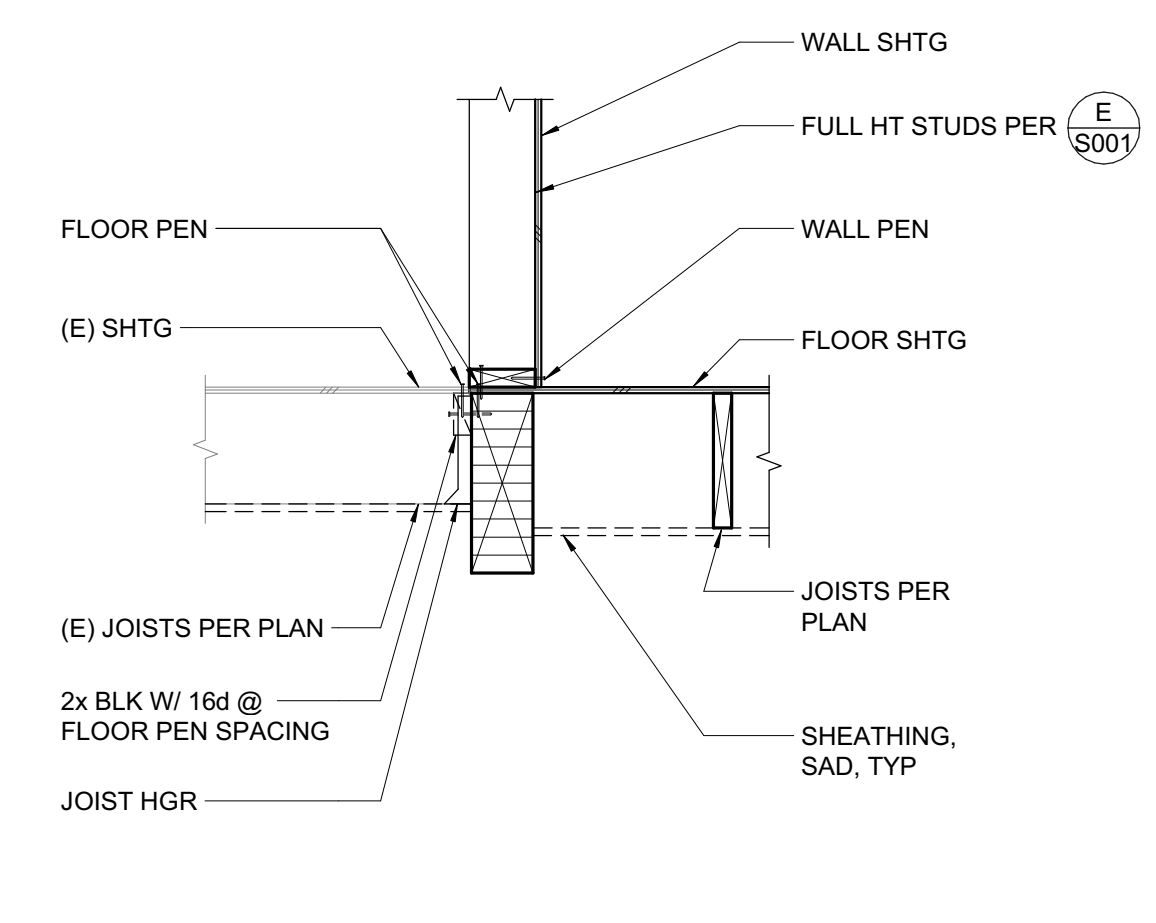
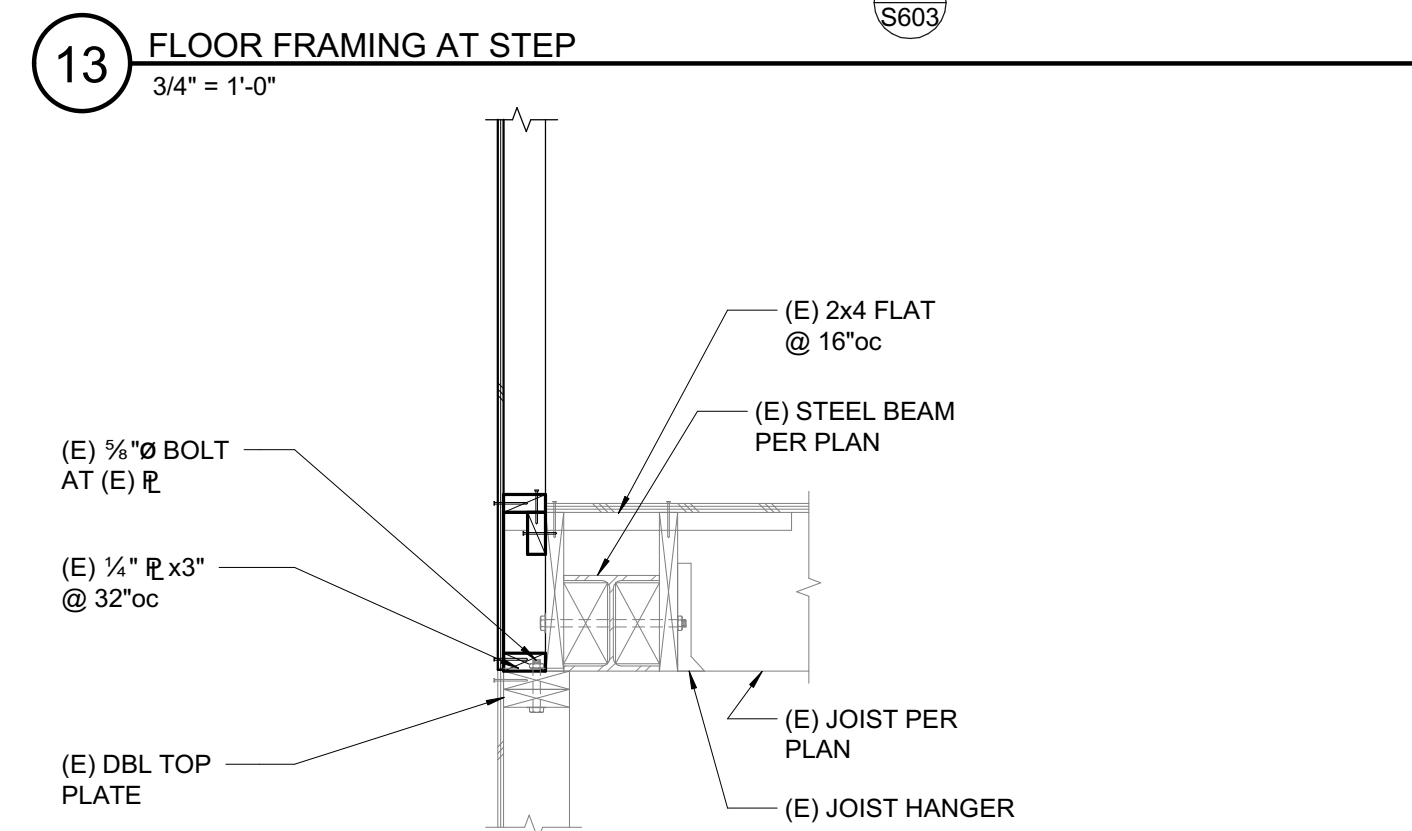
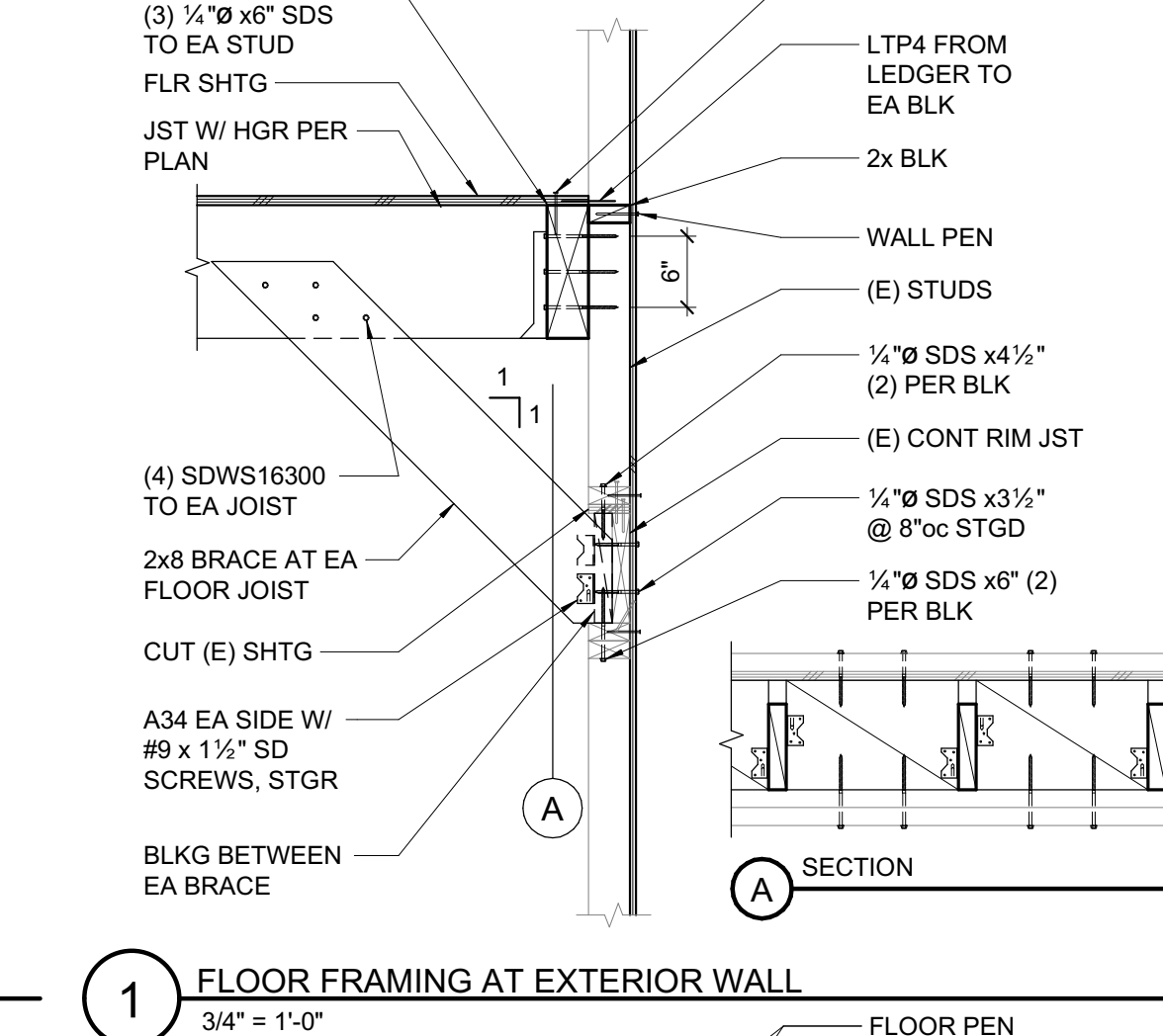
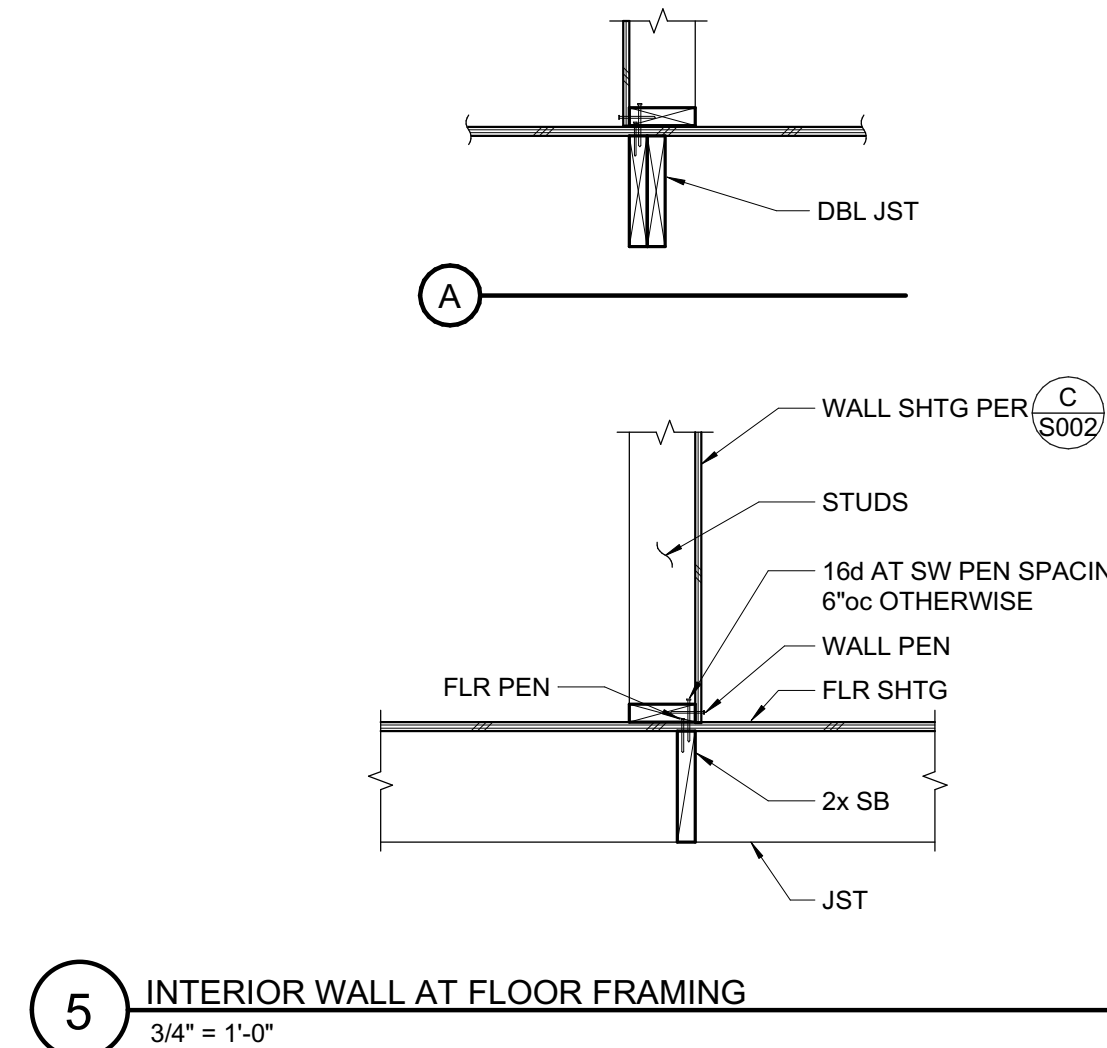
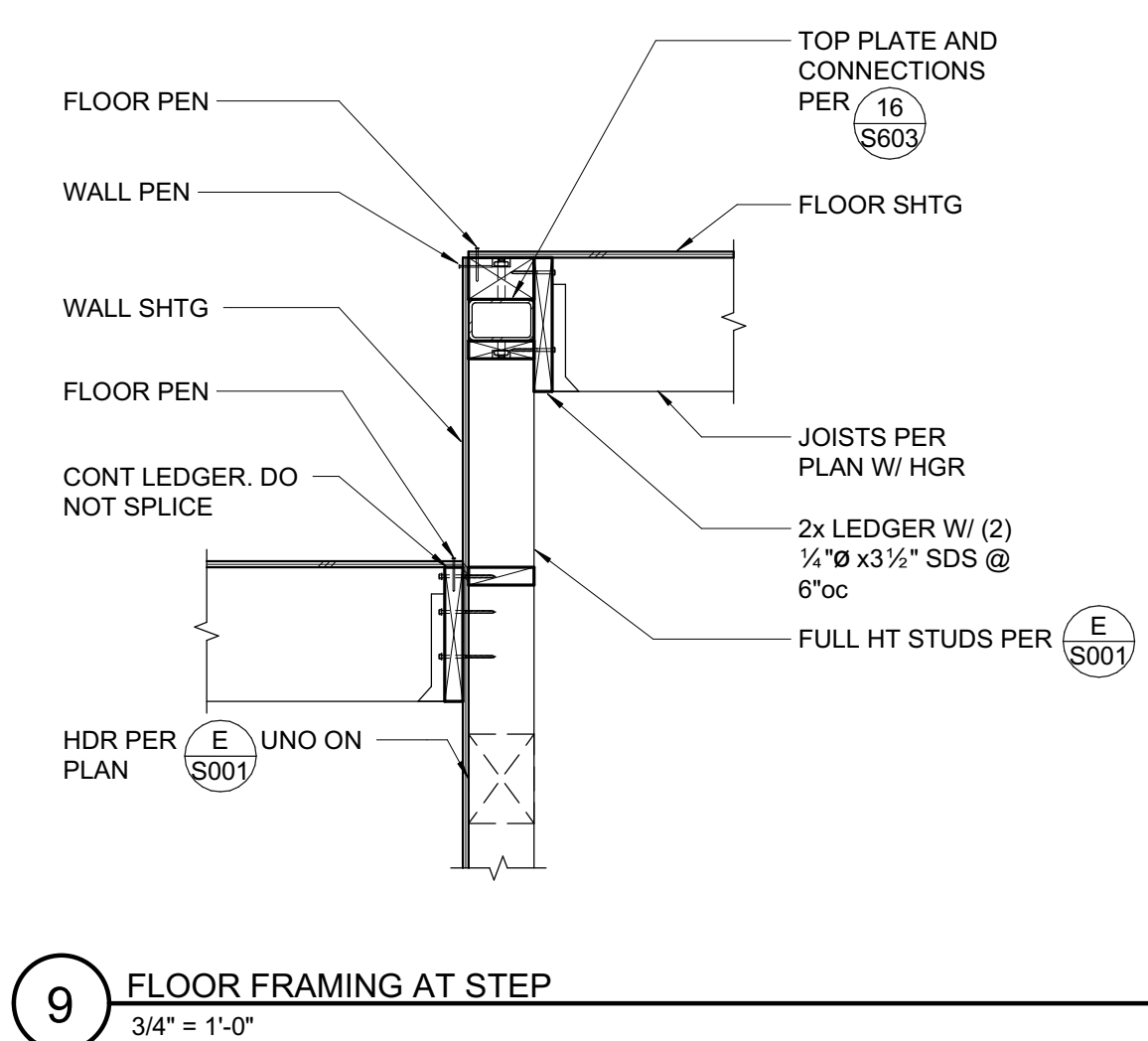
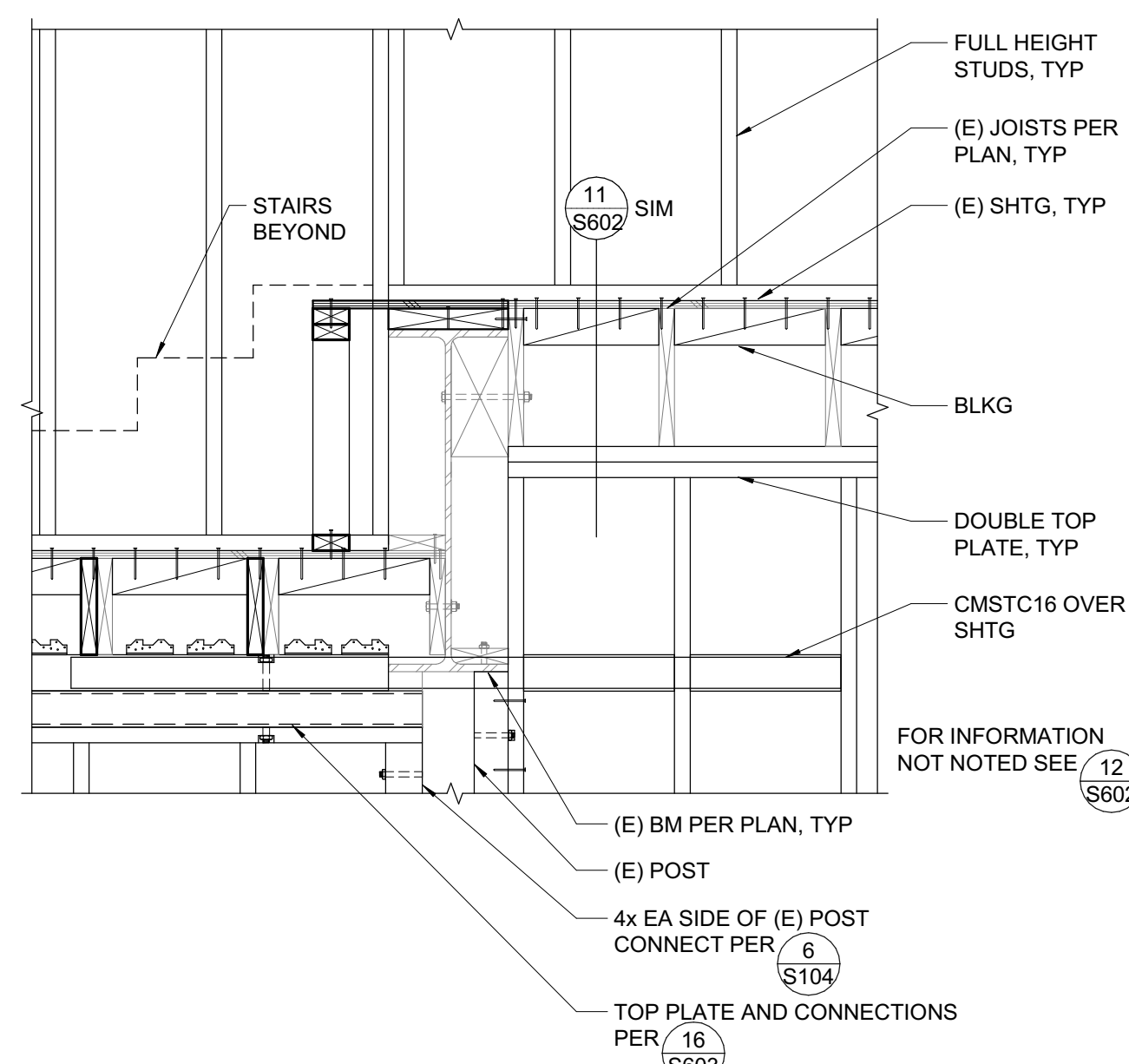
JOB NO.  
 21479 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
**SECOND FLOOR  
 DETAILS**



**S602**

PERMIT DRAWINGS - NOT FOR CONSTRUCTION



STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
 KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE.  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
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GEOTECH: HALEY ALDRICH  
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 OAKLAND, CA 94612  
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MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
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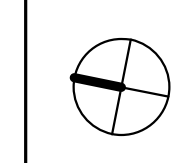
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
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 SAN FRANCISCO, CA 94110  
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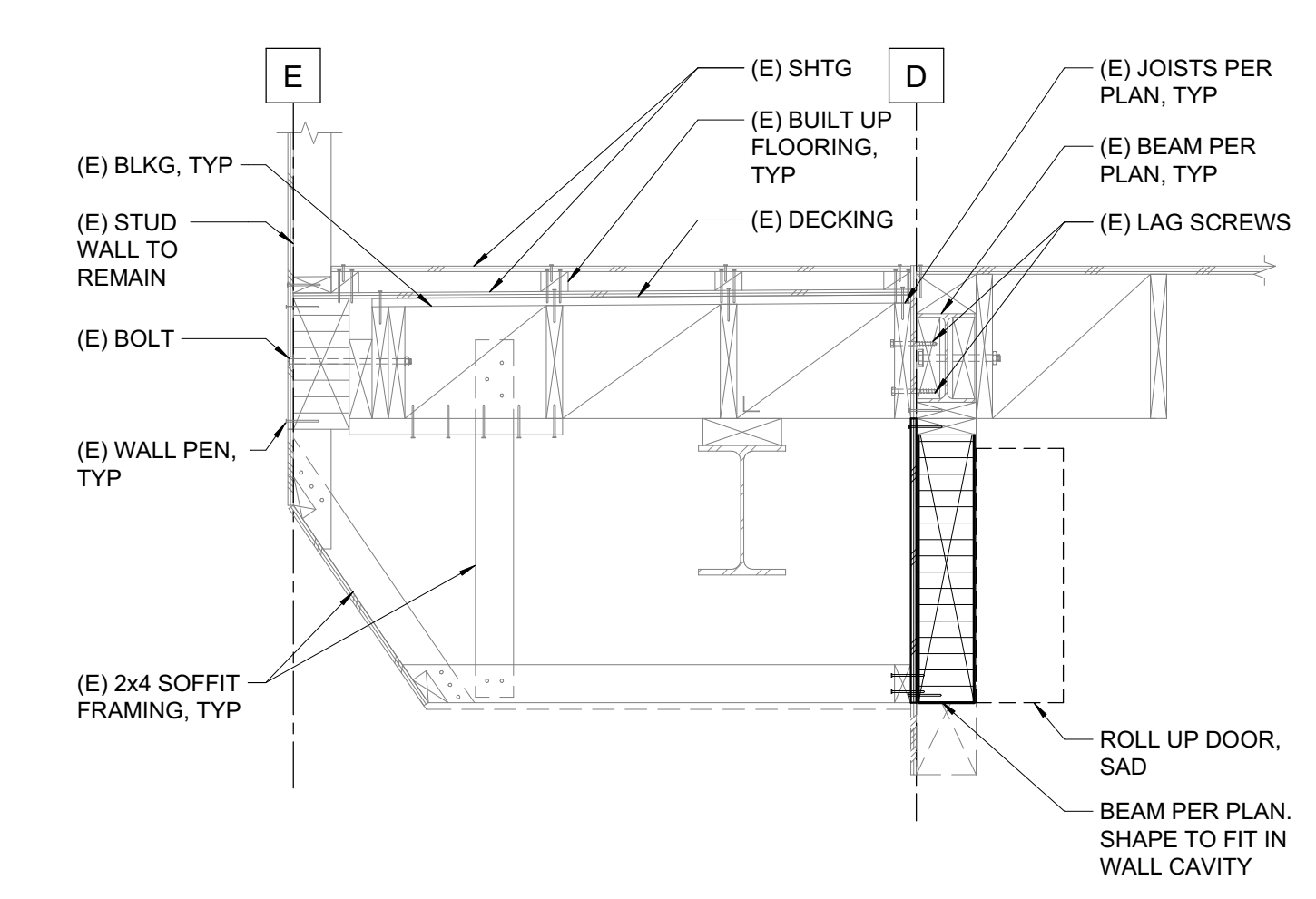
| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

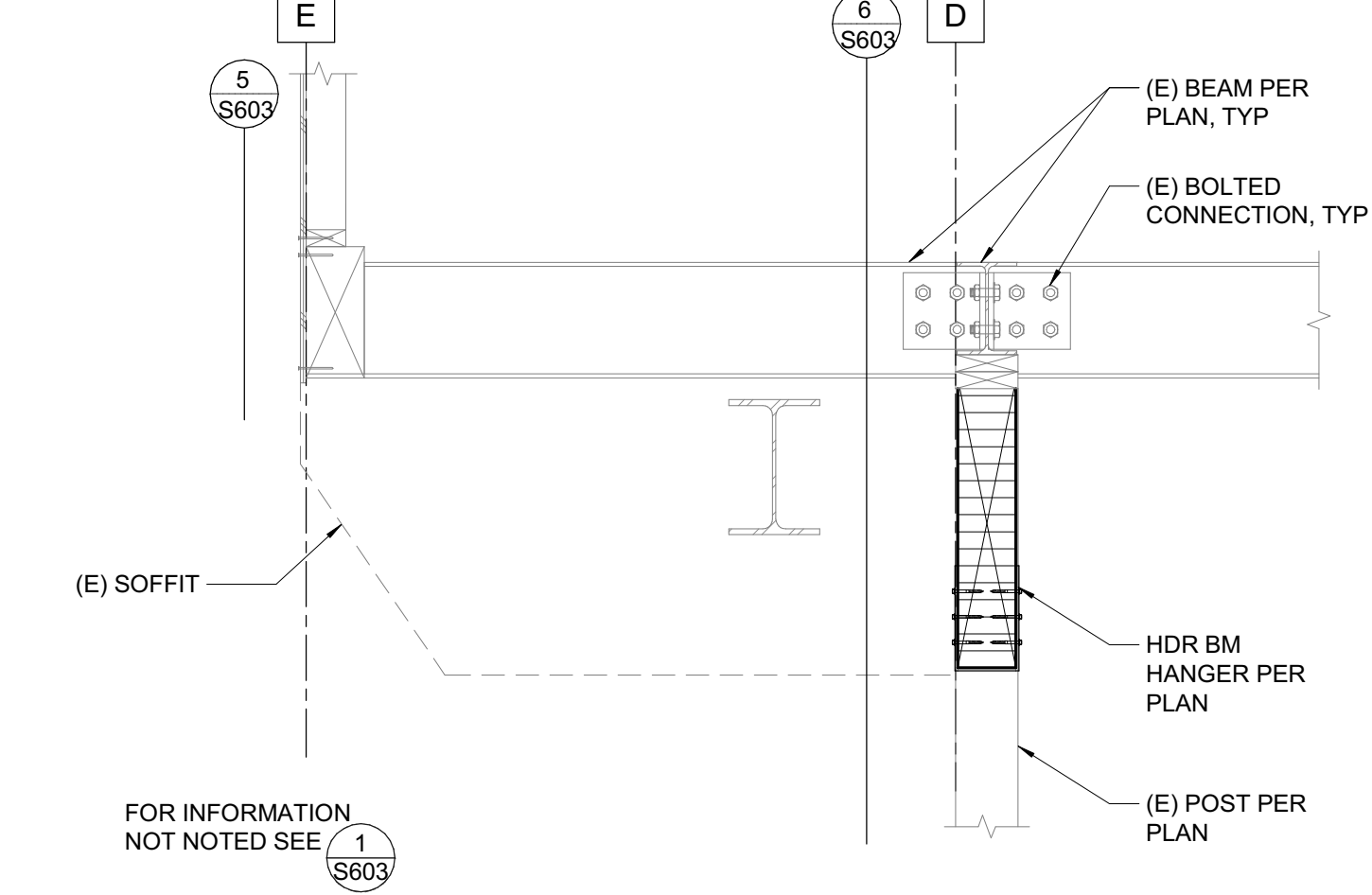
DESCRIPTION  
**SECOND FLOOR  
 DETAILS**



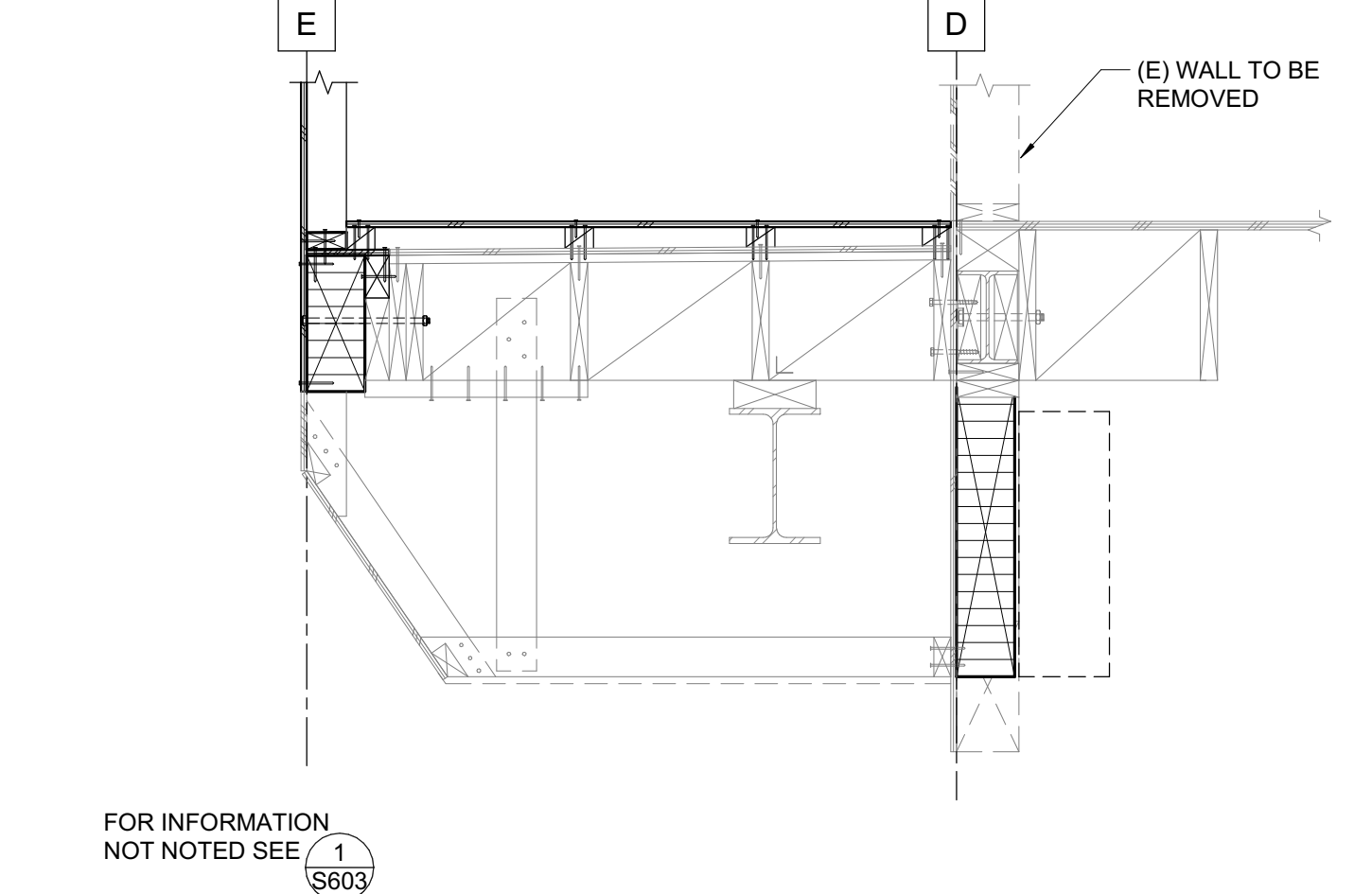
**S603**



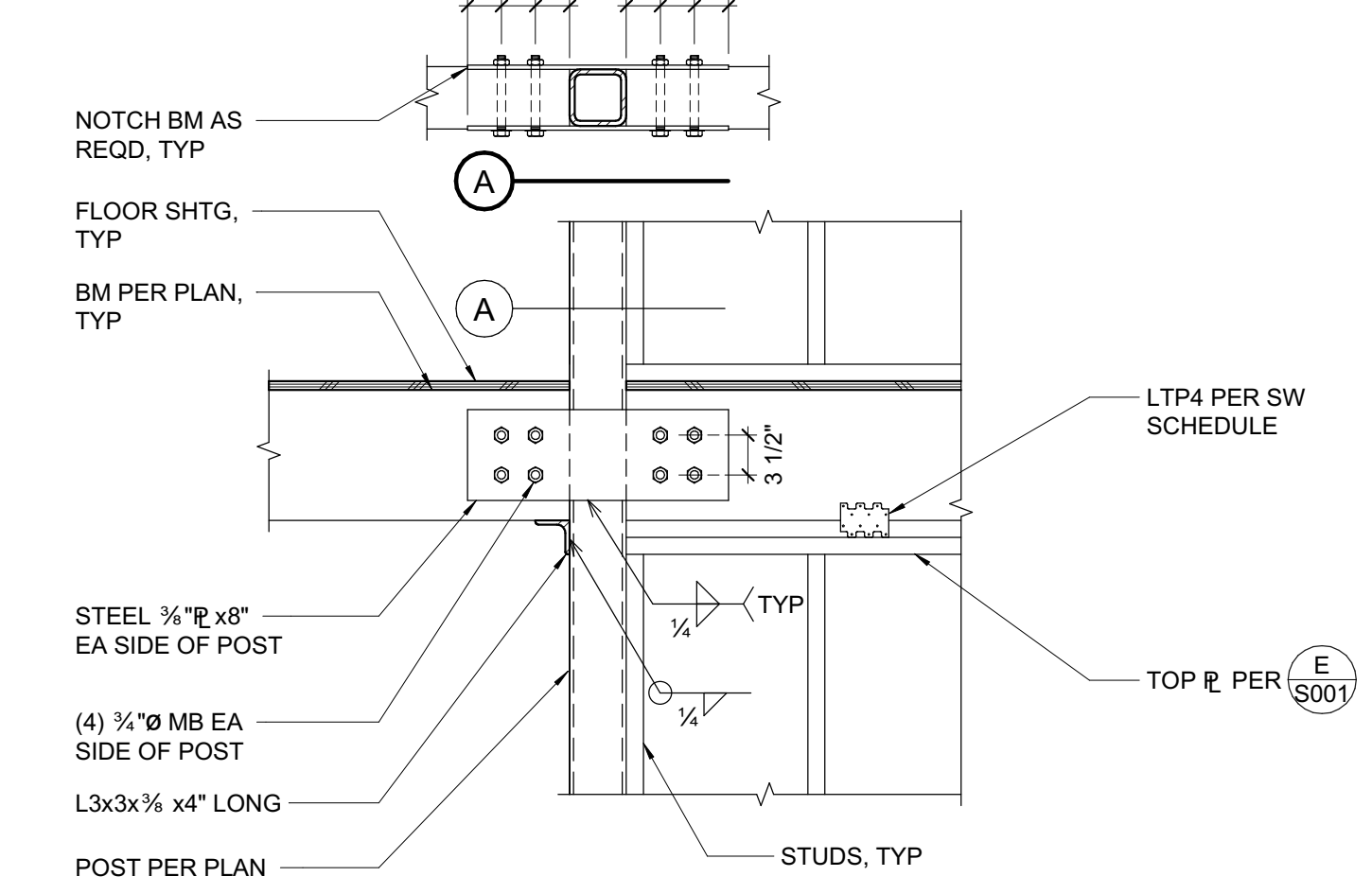
**1 APPARATUS BAY HEADER**  
 3/4" = 1'-0"



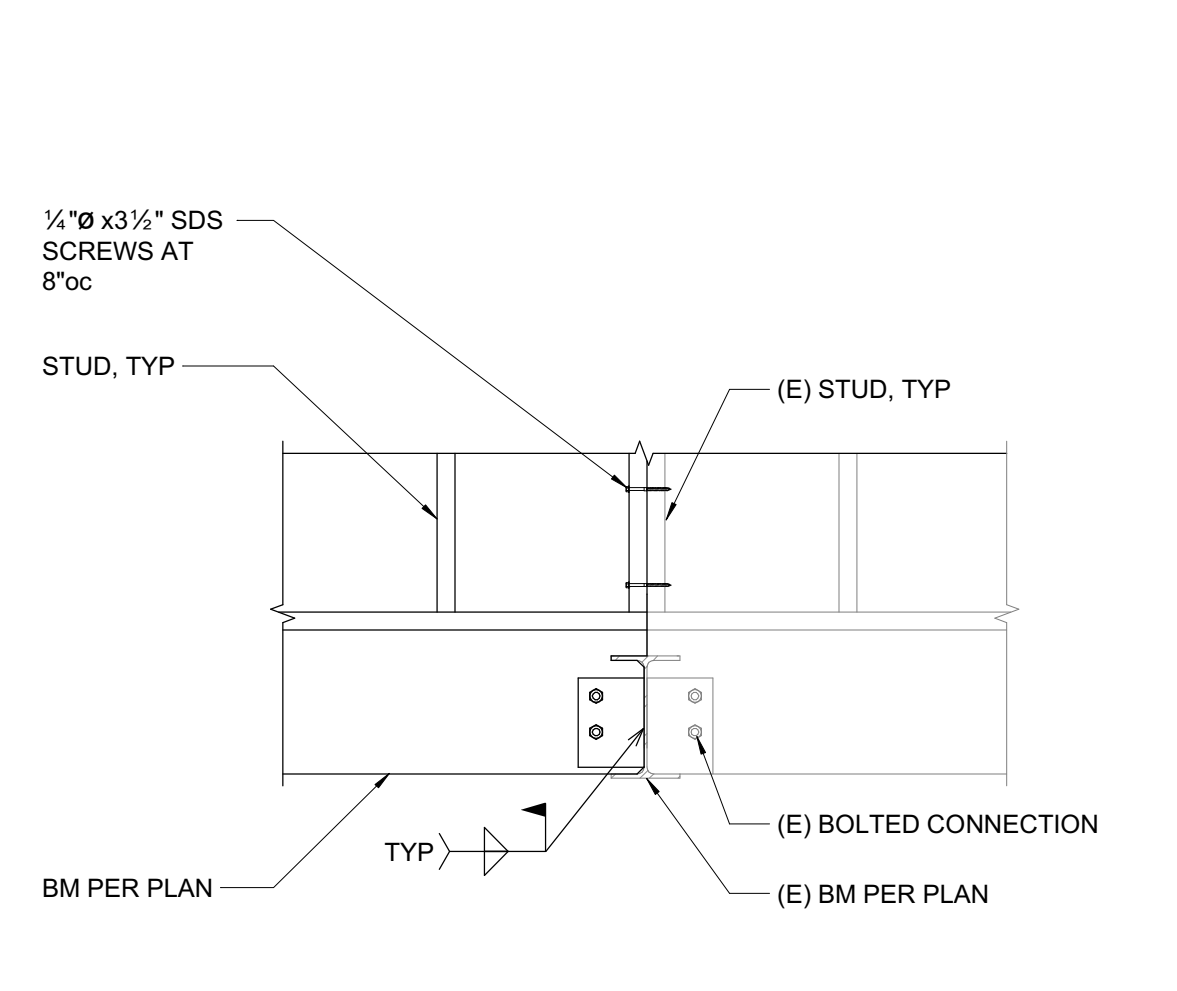
**6 APPARATUS BAY HEADER AT POST**  
 3/4" = 1'-0"



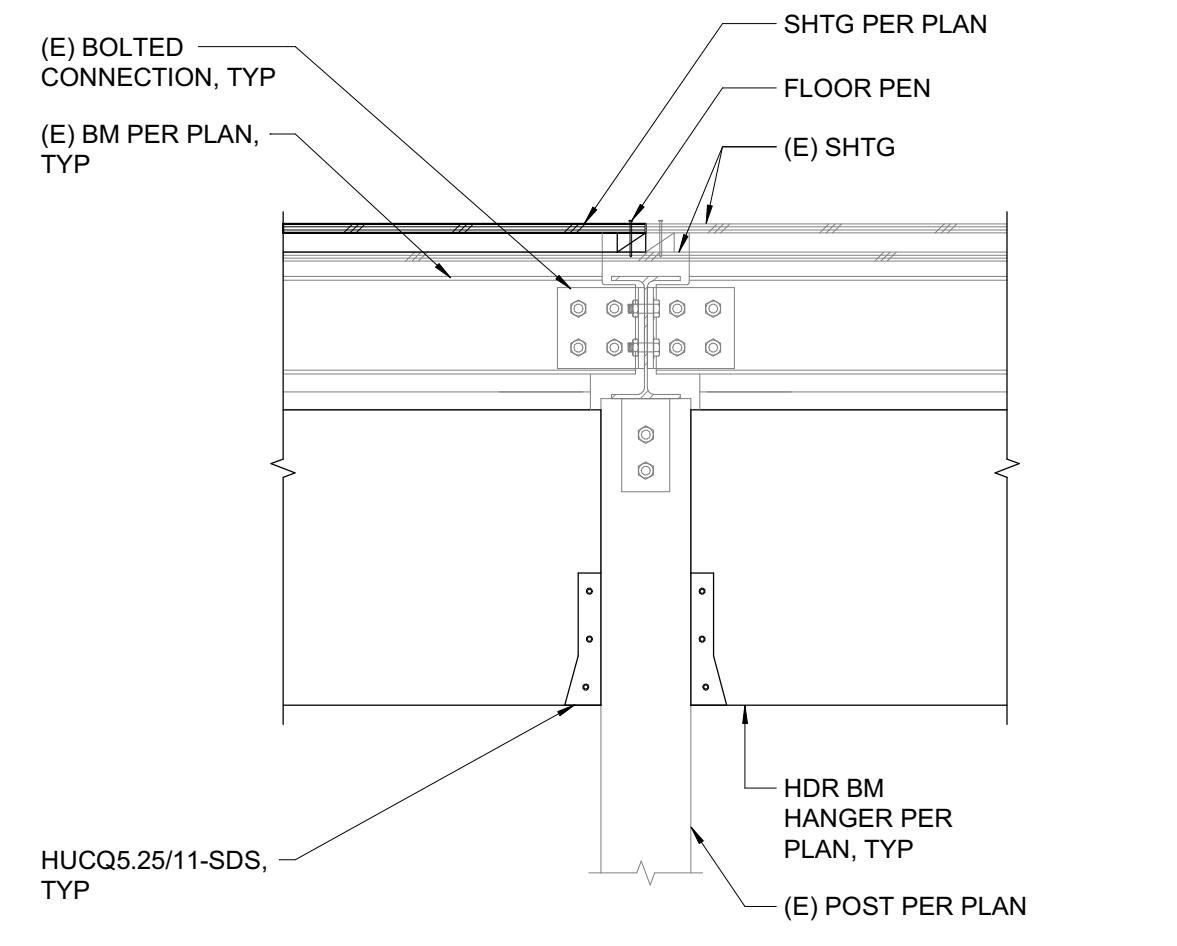
**2 APPARATUS BAY HEADER AT POST**  
 3/4" = 1'-0"



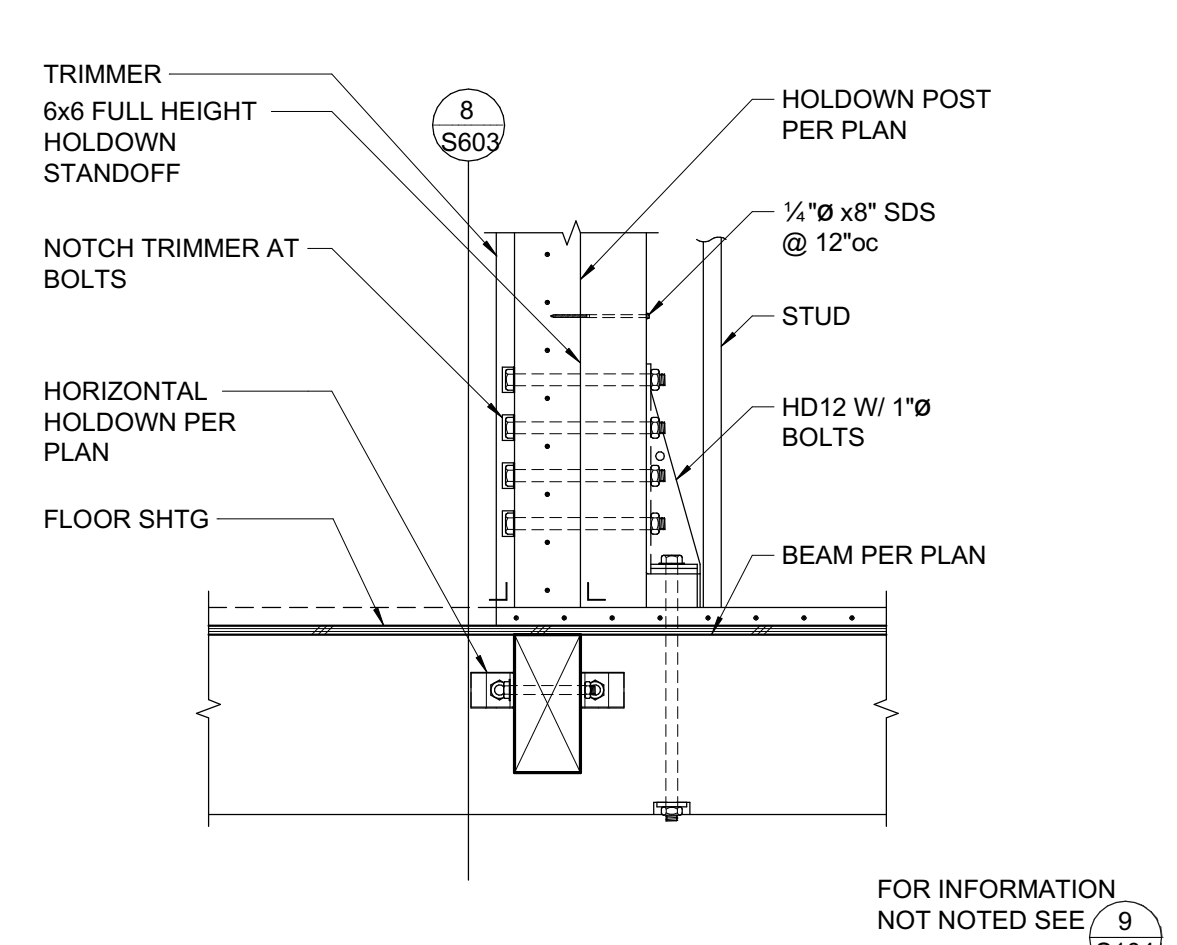
**3 APPARATUS BAY EXTERIOR WALL SUPPORT**  
 3/4" = 1'-0"



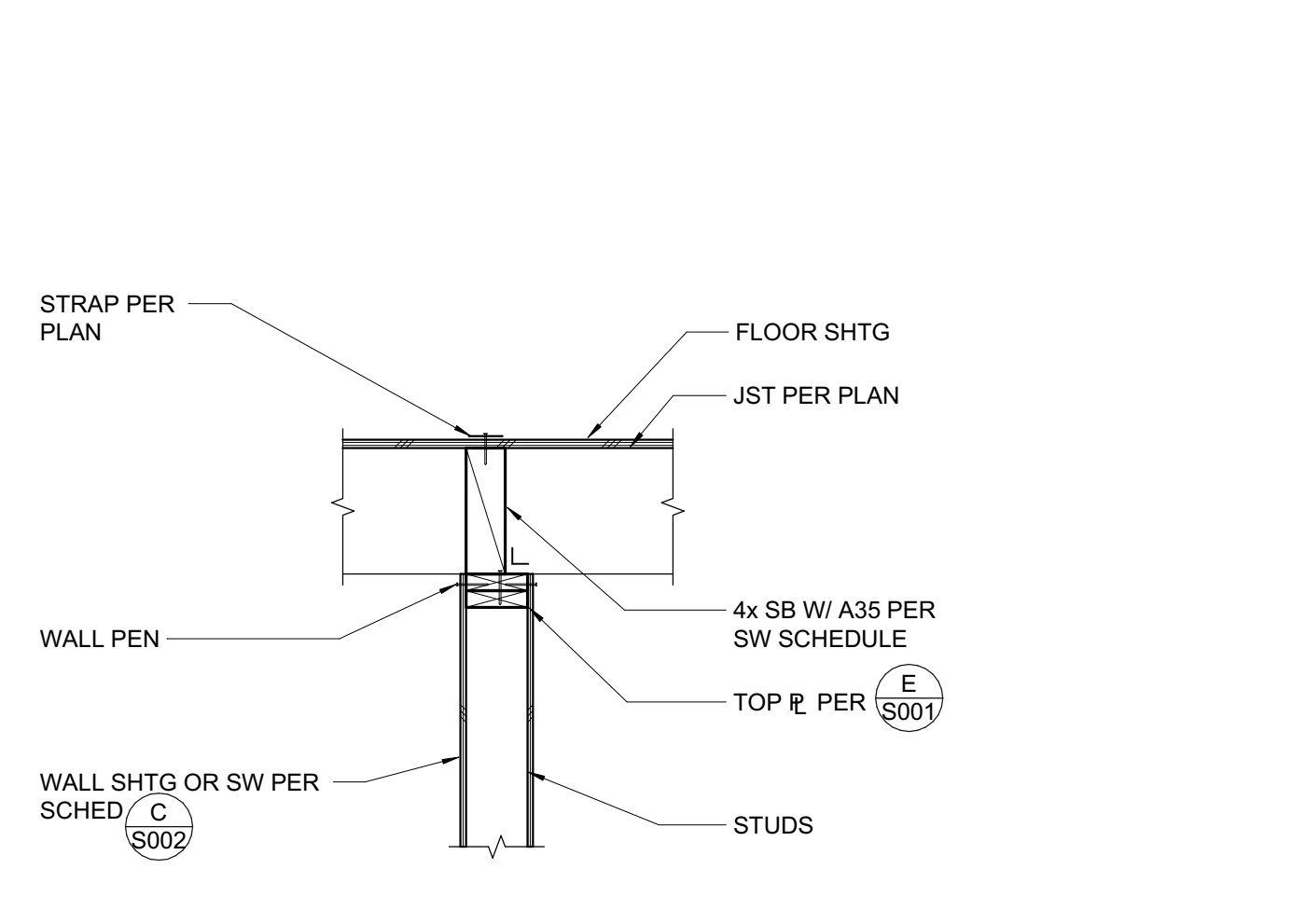
**5 APPARATUS BAY EXTERIOR WALL SUPPORT**  
 3/4" = 1'-0"



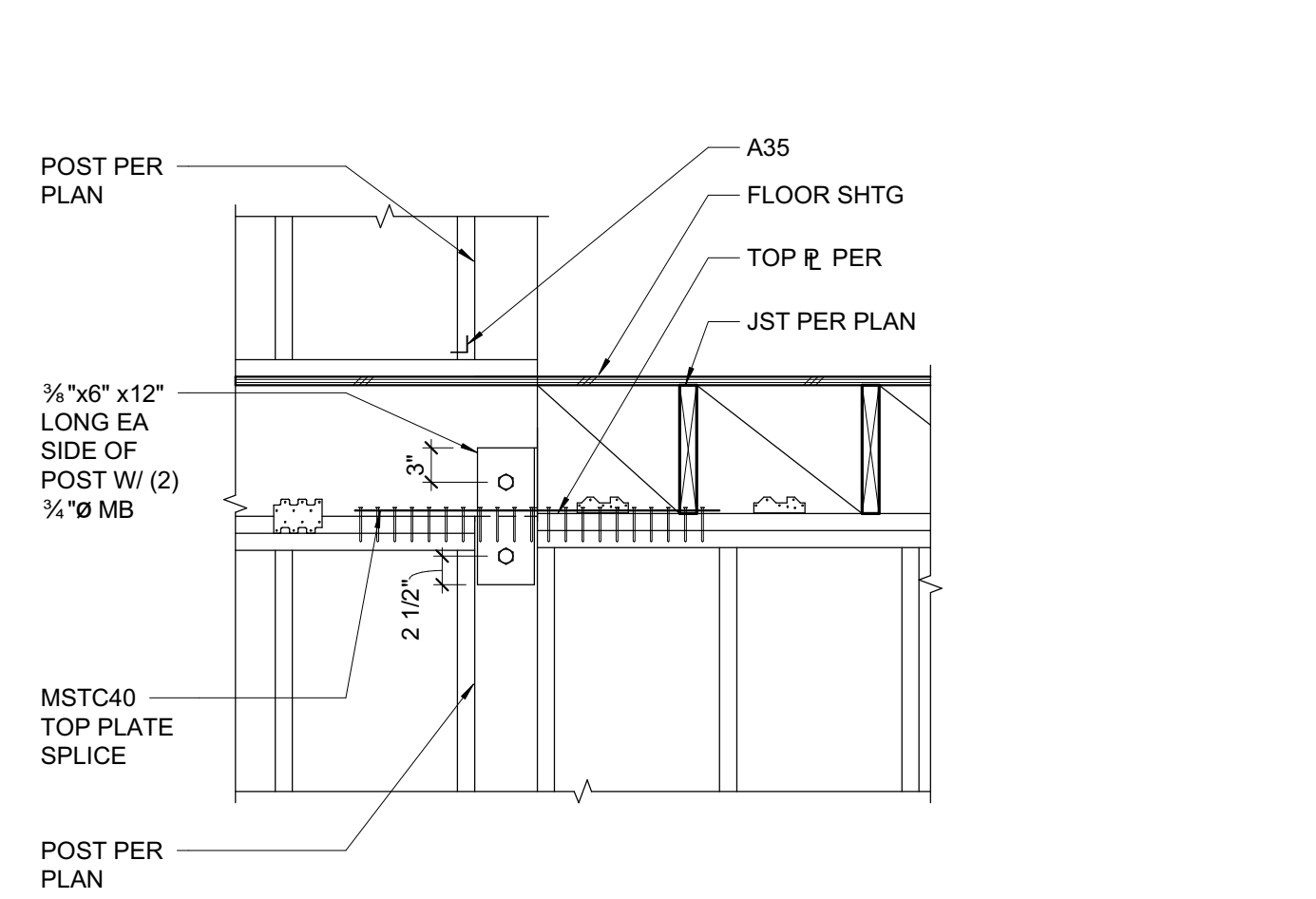
**7 HOLDDOWN AT BEAM**  
 3/4" = 1'-0"



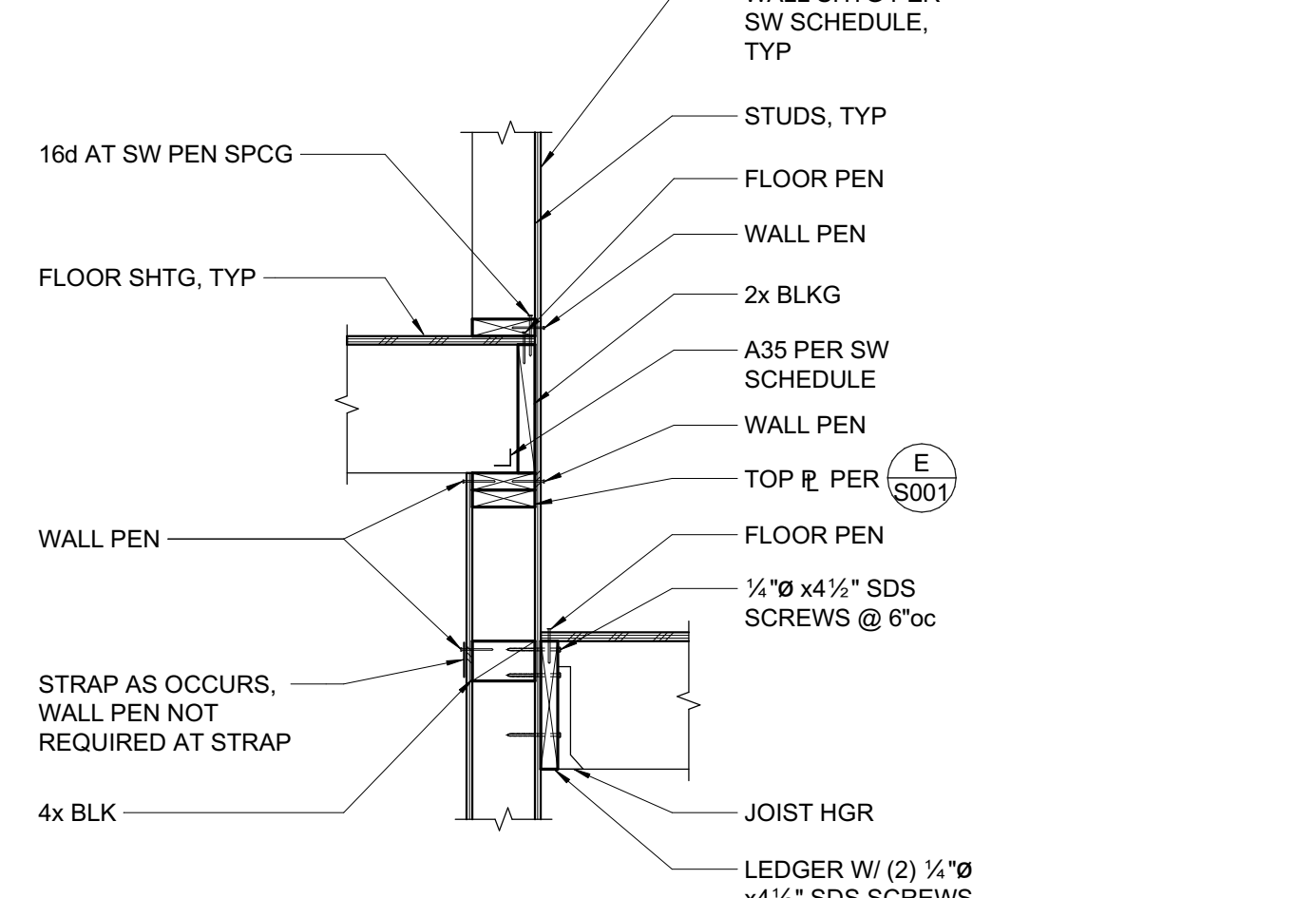
**8 HOLDDOWN AT BEAM**  
 3/4" = 1'-0"



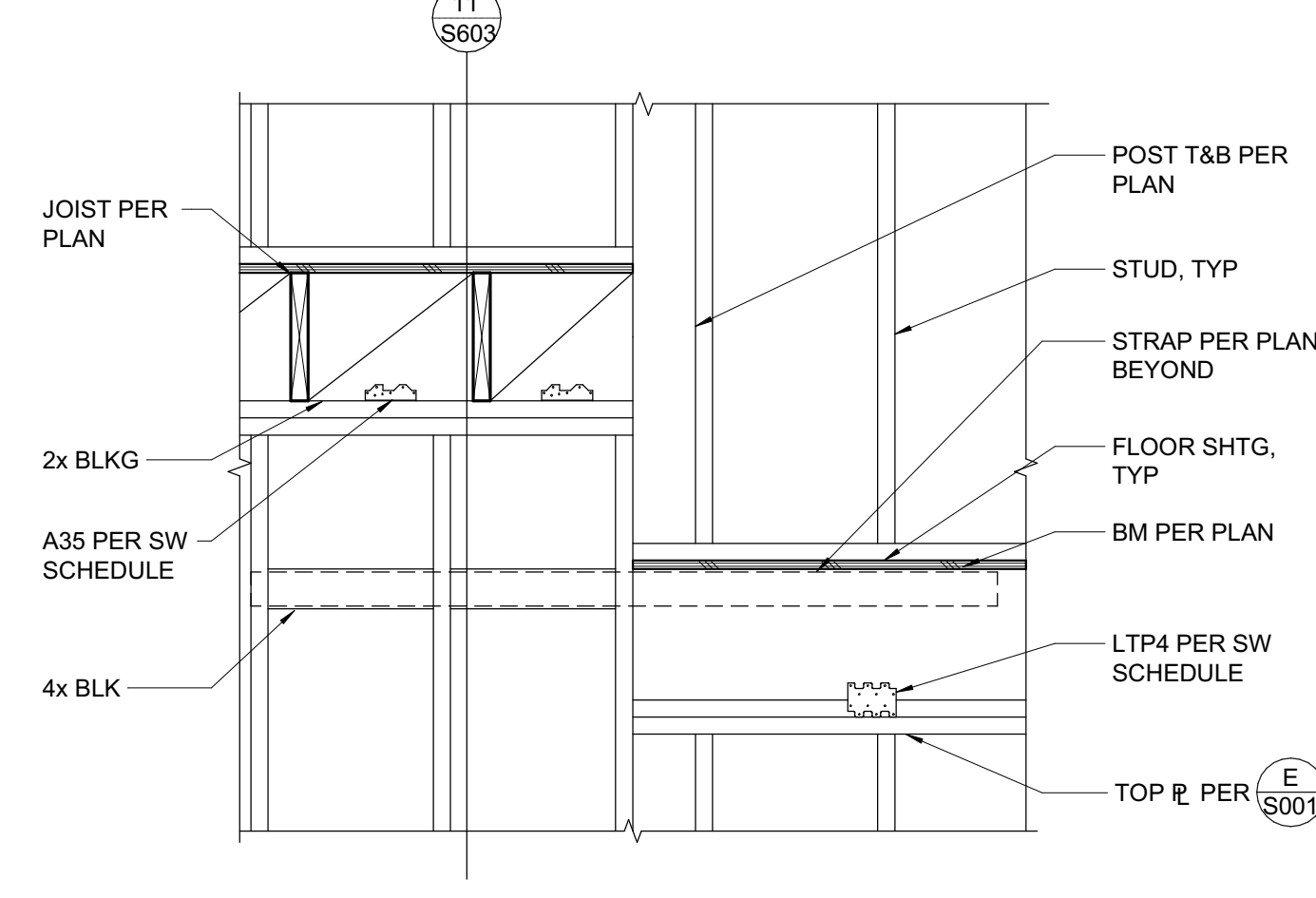
**9 FLOOR FRAMING AT SHEAR WALL BELOW**  
 3/4" = 1'-0"



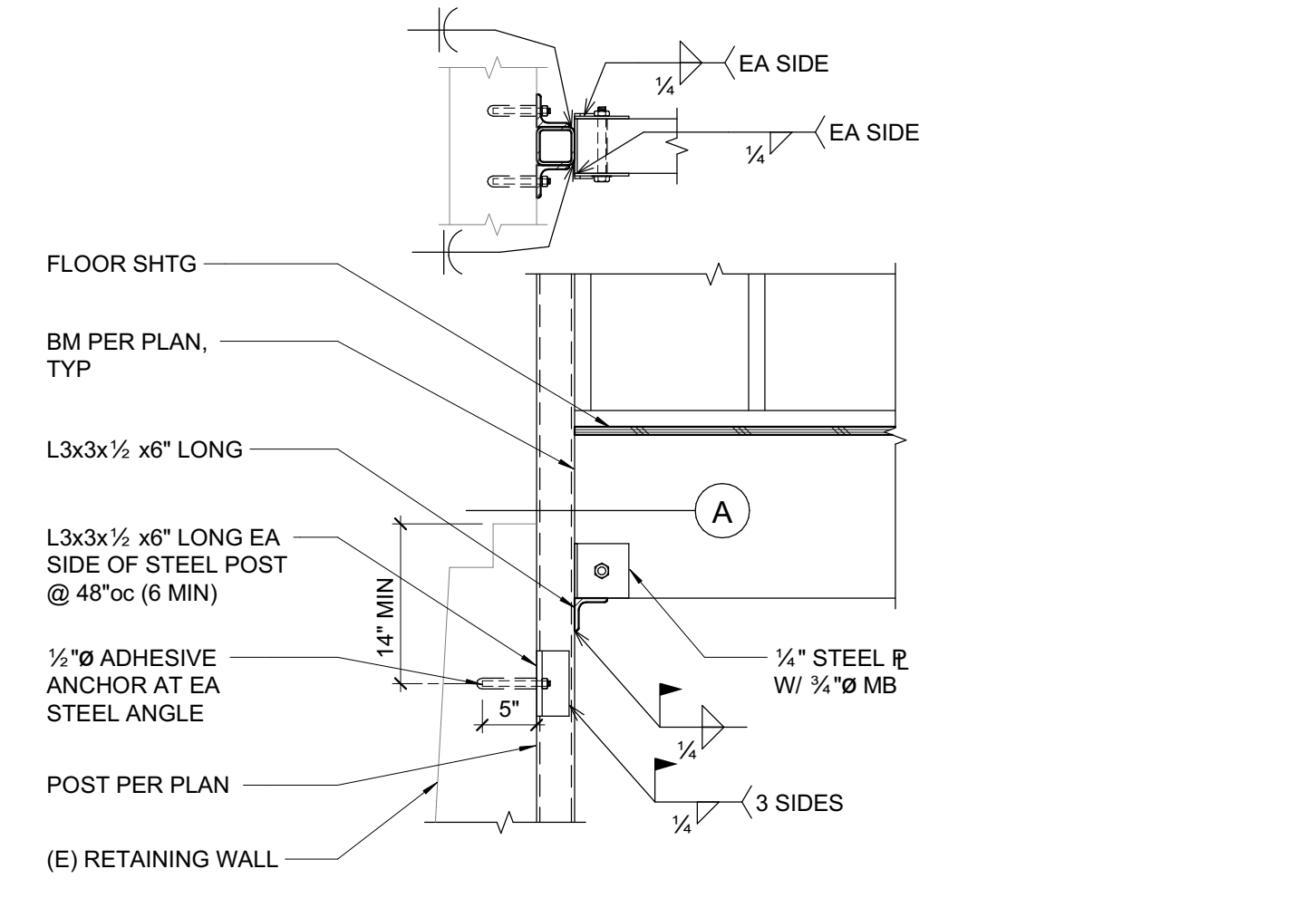
**10 FLOOR FRAMING AT SHEAR WALL BELOW**  
 3/4" = 1'-0"



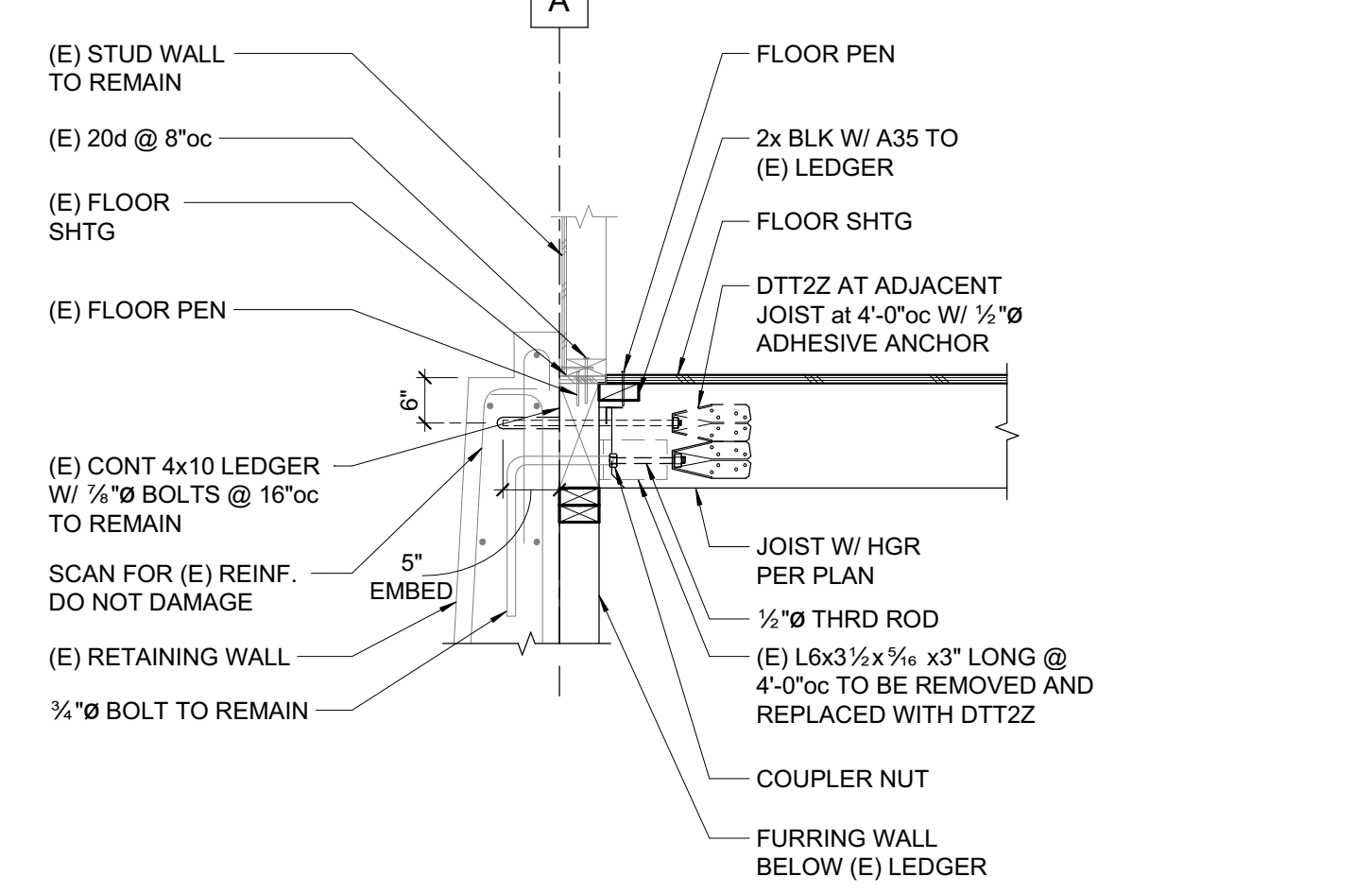
**11 SHEAR WALL AT STEP**  
 3/4" = 1'-0"



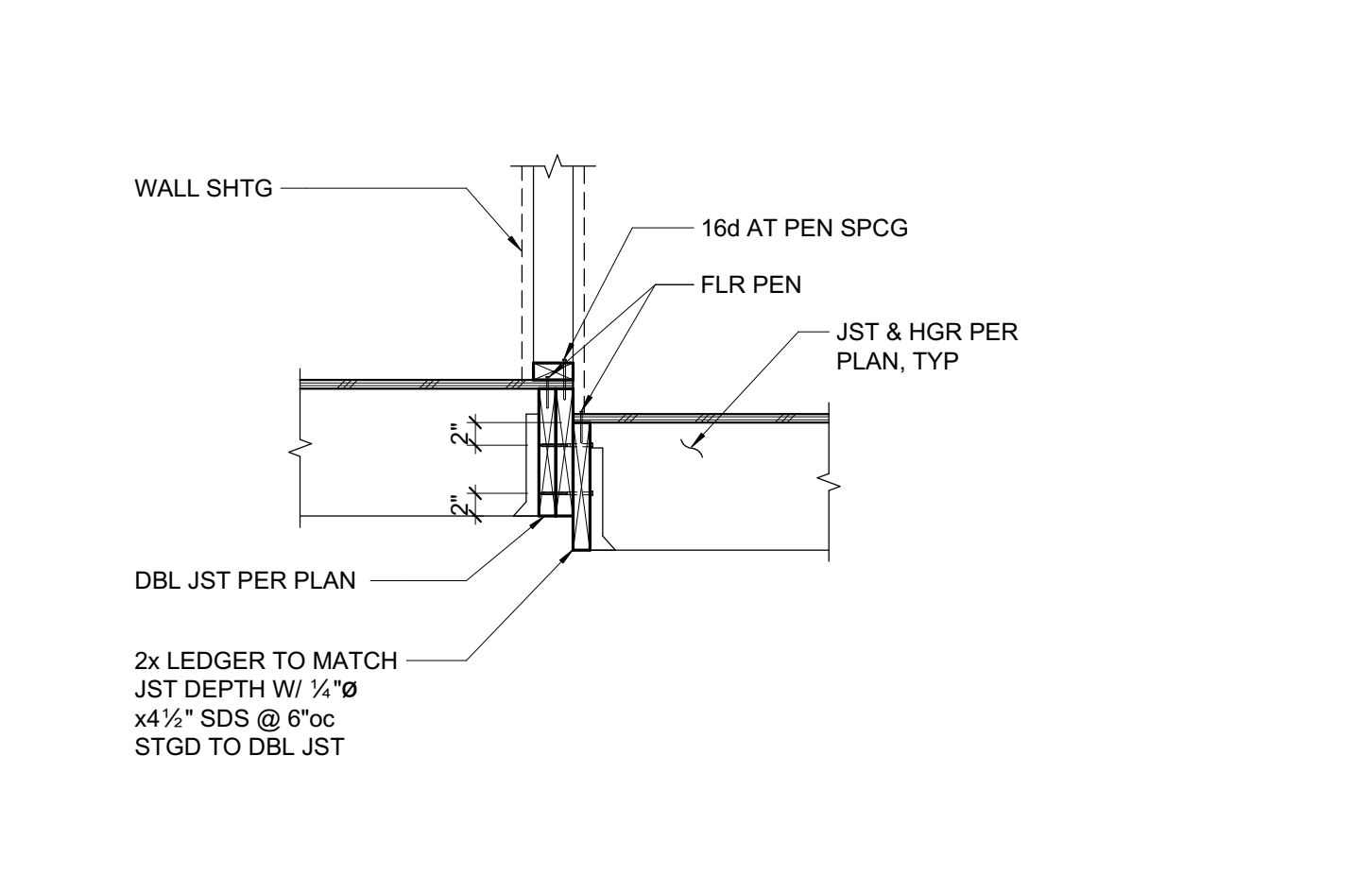
**12 SHEAR WALL AT STEP**  
 3/4" = 1'-0"



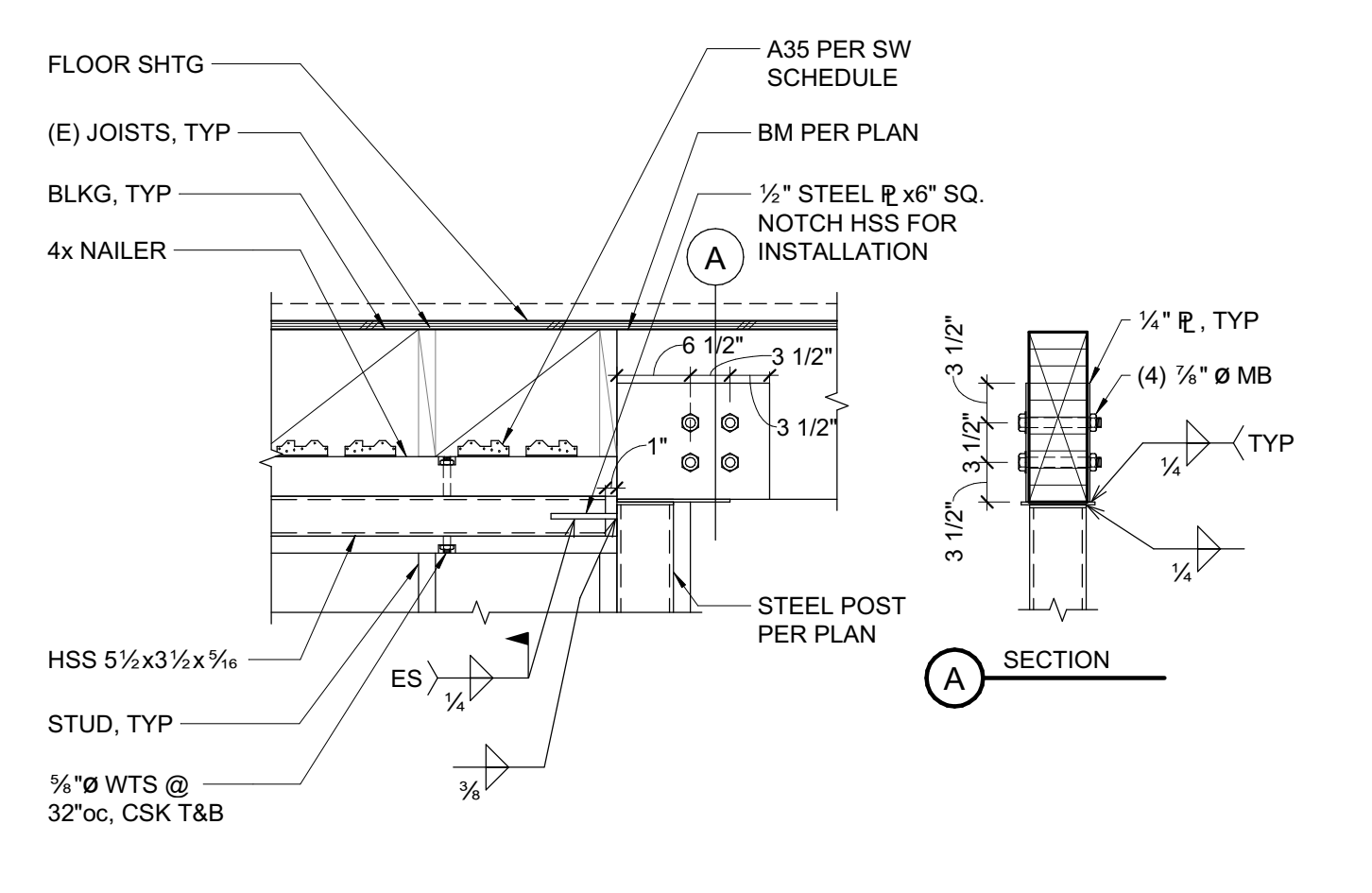
**13 STEEL HOLDOWN POST AT FURRED WALL**  
 3/4" = 1'-0"



**14 FLOOR FRAMING AT EXISTING RETAINING WALL**  
 3/4" = 1'-0"



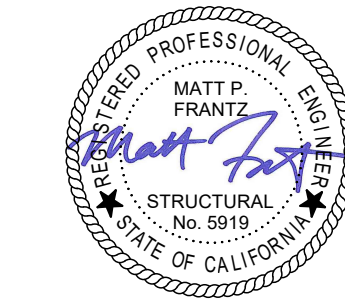
**15 INTERIOR WALL AT FLOOR FRAMING**  
 3/4" = 1'-0"



**16 BEAM TO TOP PLATE CONNECTION**  
 3/4" = 1'-0"



STAMP



PROJECT ADDRESS

**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

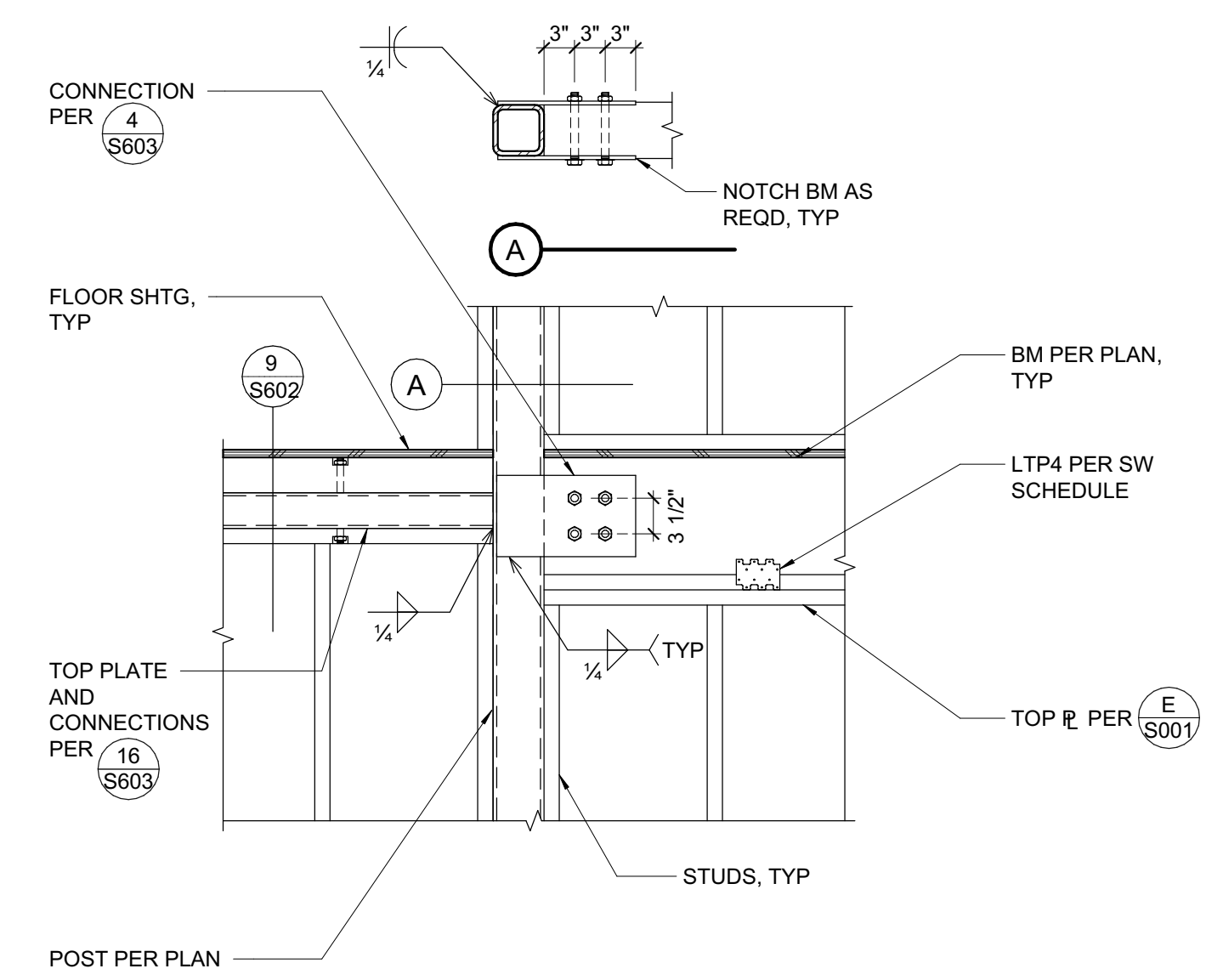
CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
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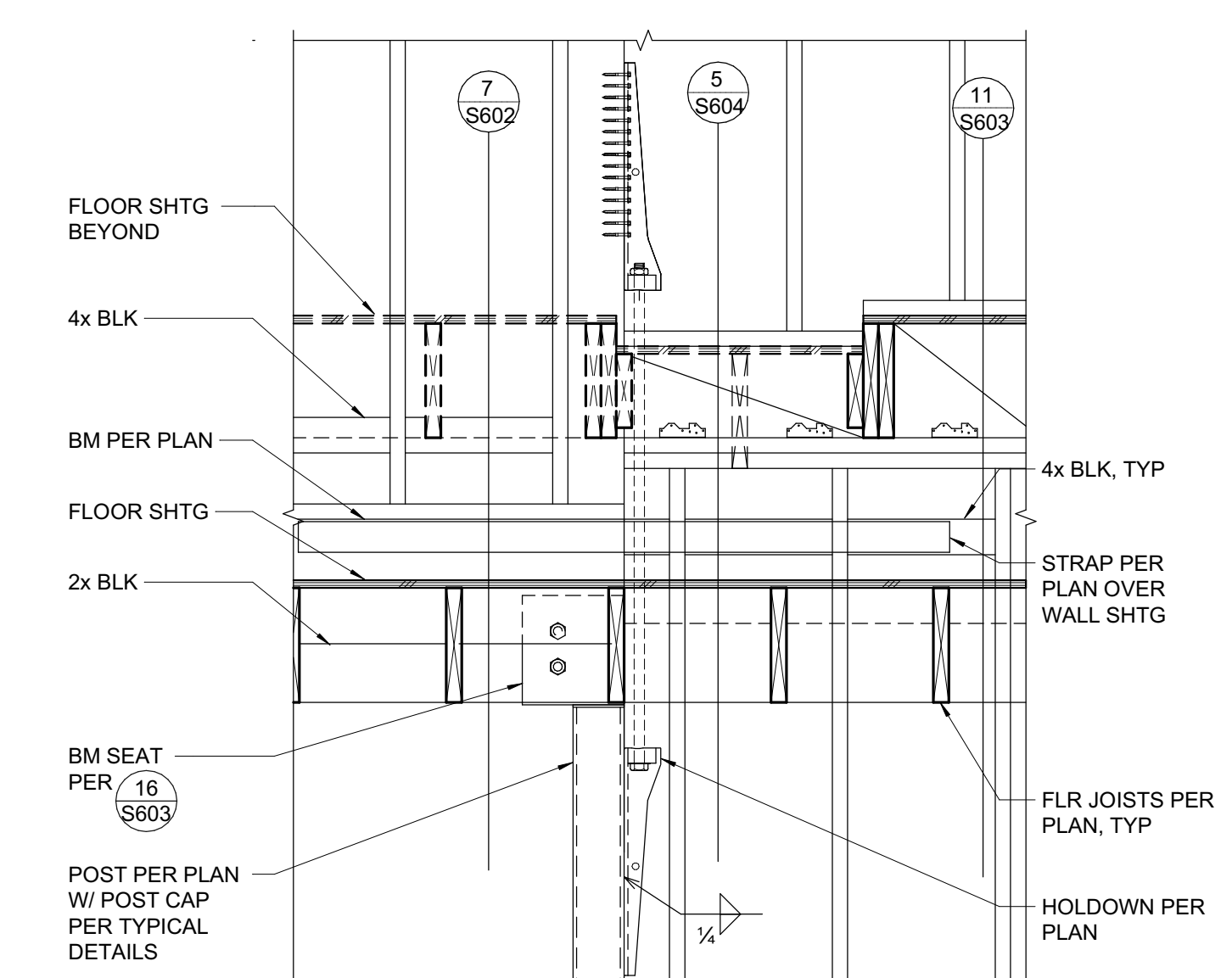
MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

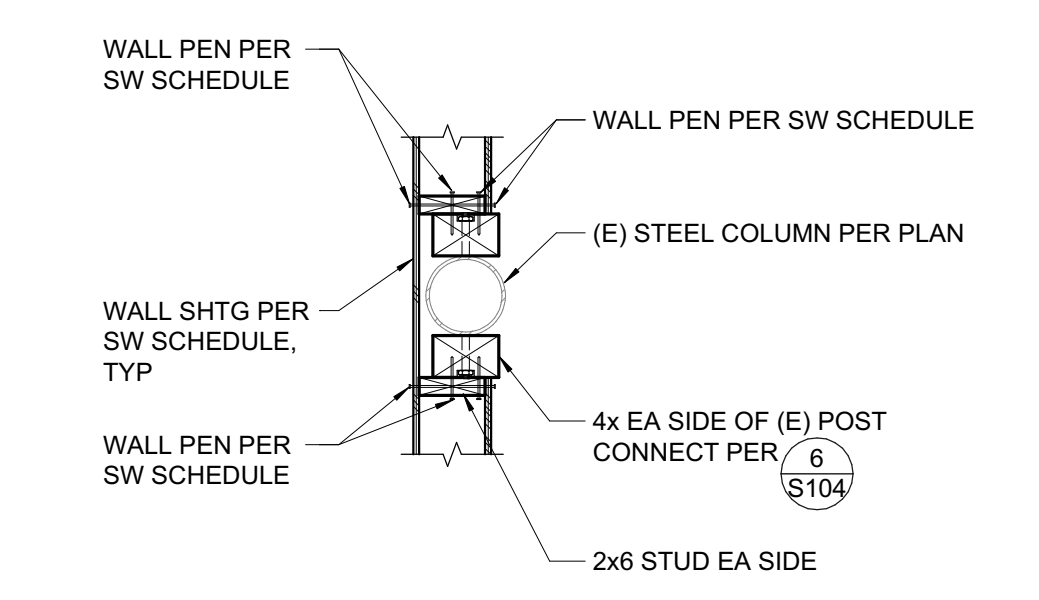
ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626



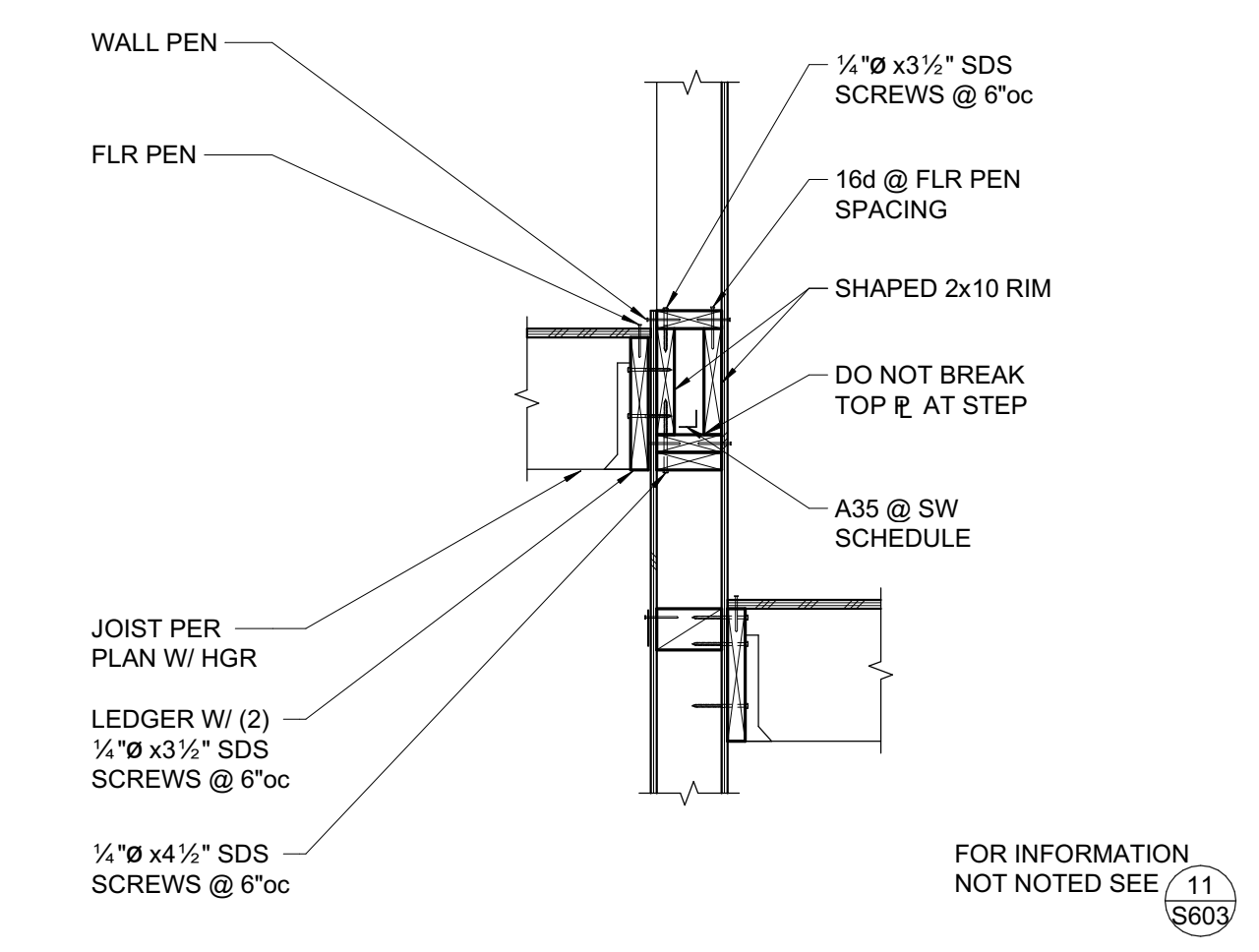
**7 COLLECTOR AT STEEL POST**  
 3/4" = 1'-0"



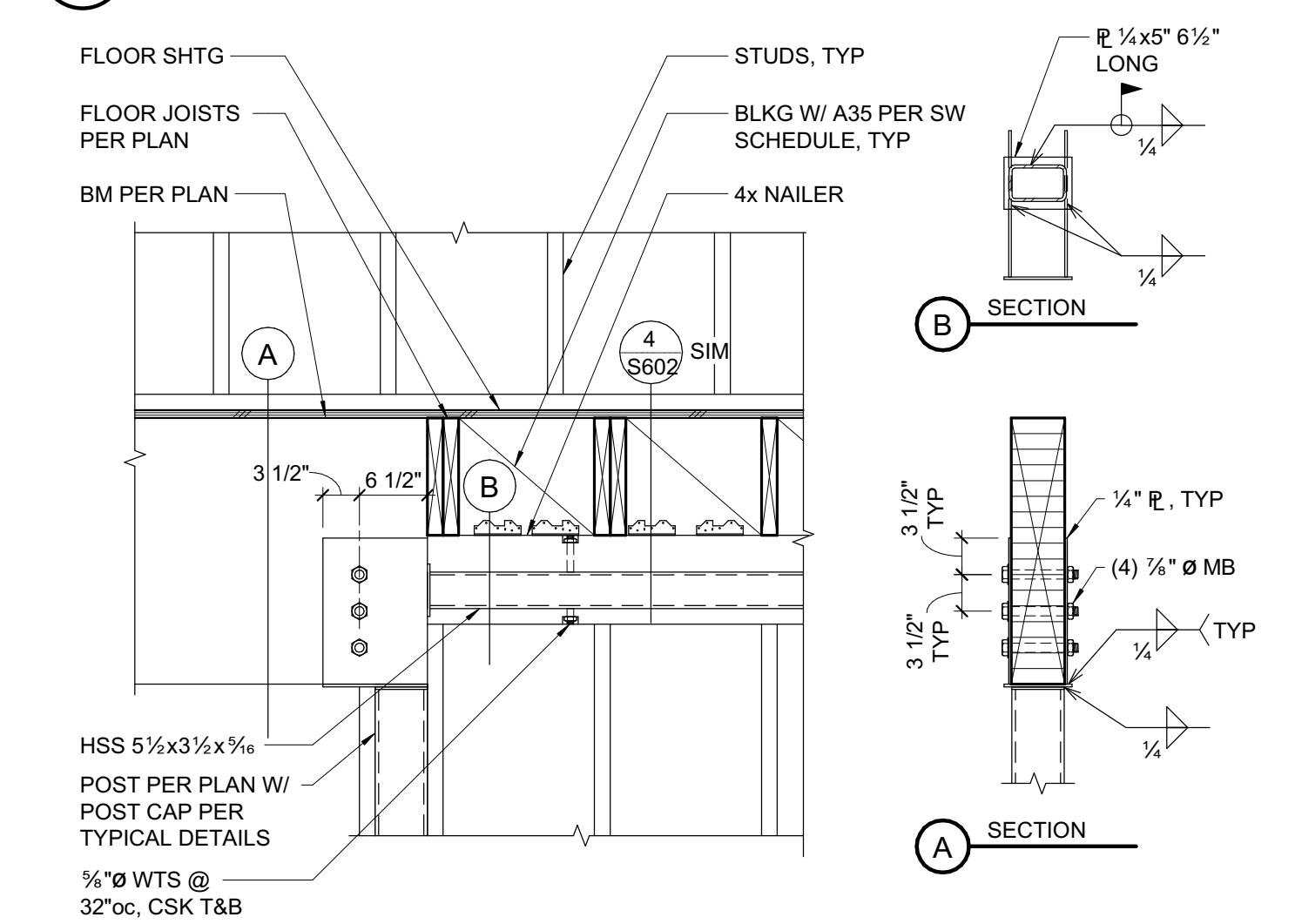
**4 BEAM TO STEEL POST AT SHEAR WALL**  
 3/4" = 1'-0"



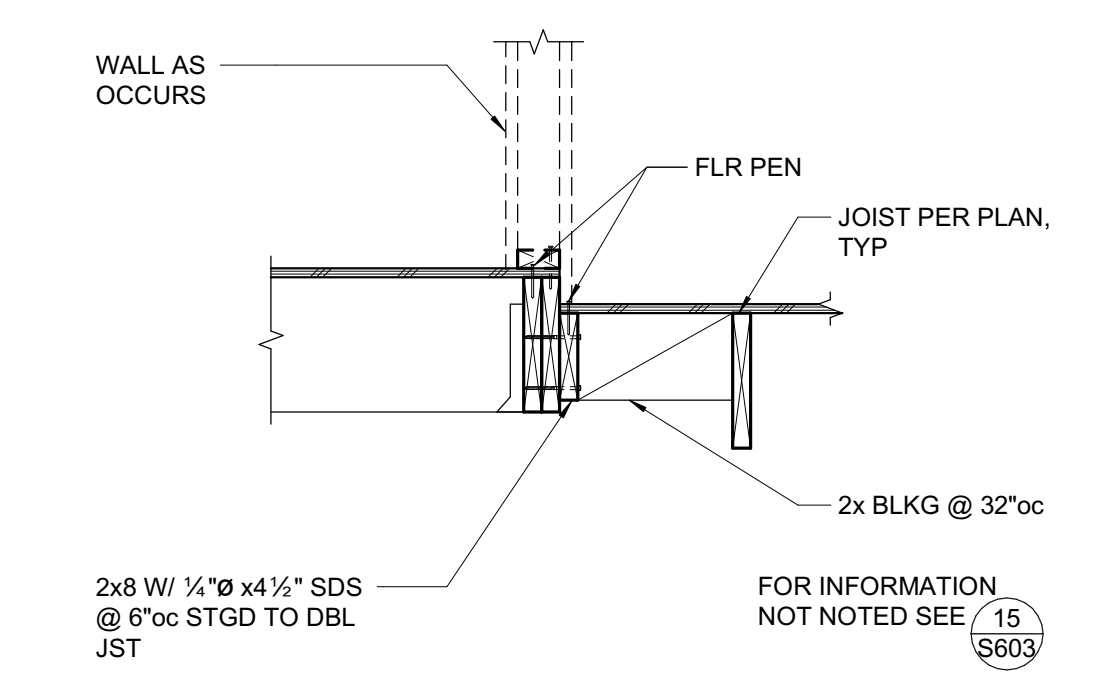
**1 STEEL COLUMN OUTBOARD OF SHEAR WALL**  
 3/4" = 1'-0"



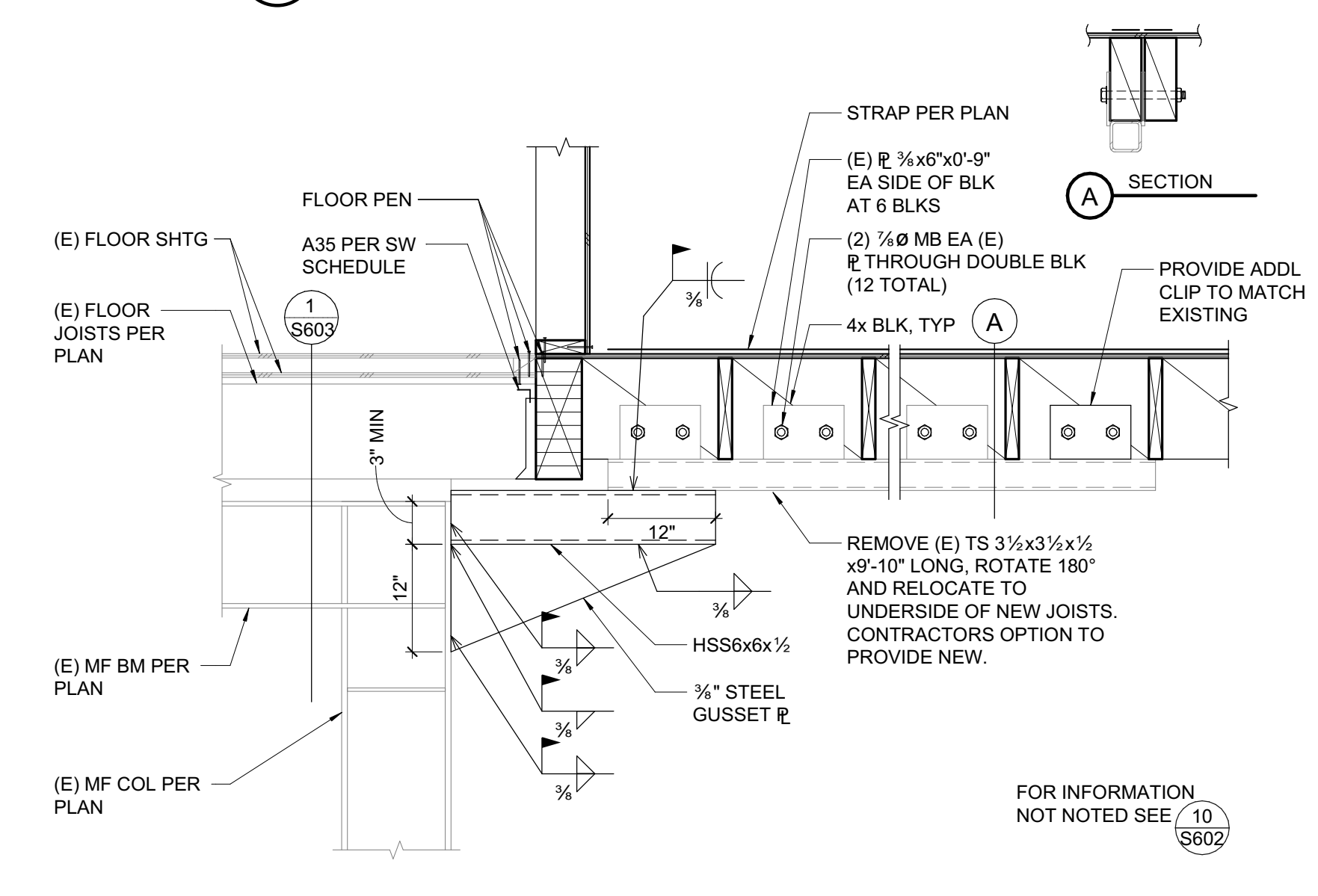
**5 SHEAR WALL AT STEP**  
 3/4" = 1'-0"



**2 BEAM TO STEEL POST AT SHEAR WALL**  
 3/4" = 1'-0"



**6 INTERIOR WALL AT FLOOR FRAMING STEP**  
 3/4" = 1'-0"



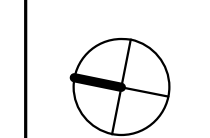
**3 COLLECTOR AT MOMENT FRAME**  
 3/4" = 1'-0"

PERMIT DRAWINGS - NOT FOR CONSTRUCTION

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

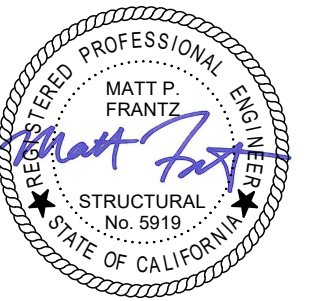
JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
**SECOND FLOOR DETAILS**



**S604**

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869

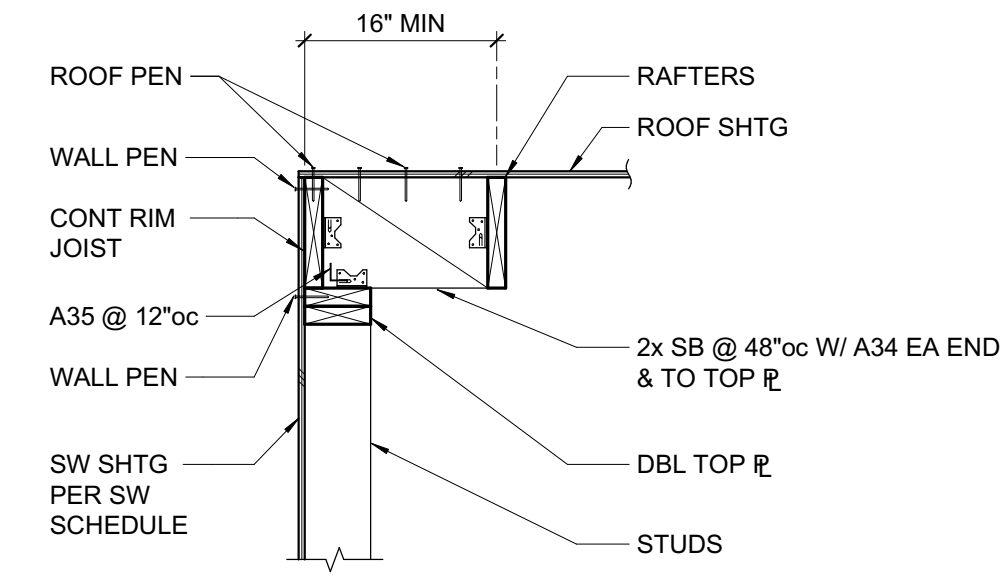
CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
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OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
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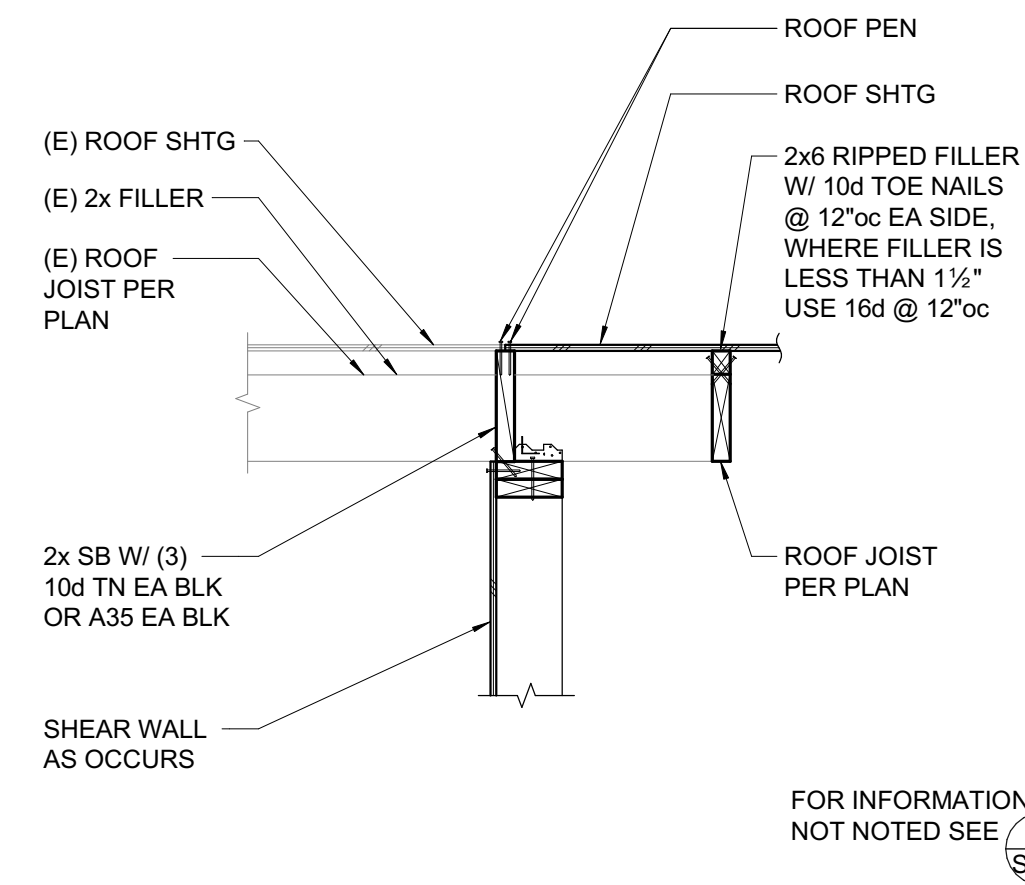
MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
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SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
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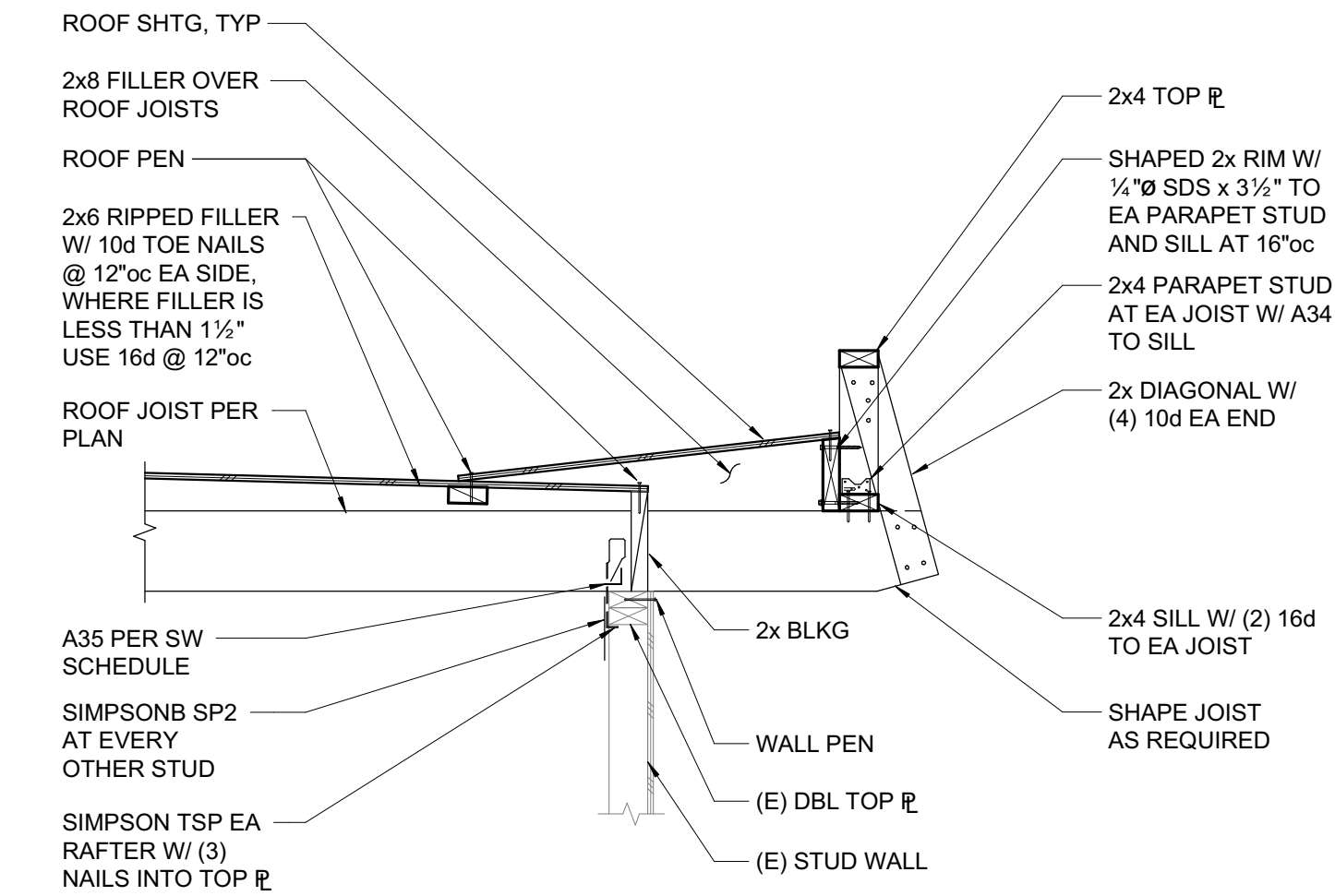
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
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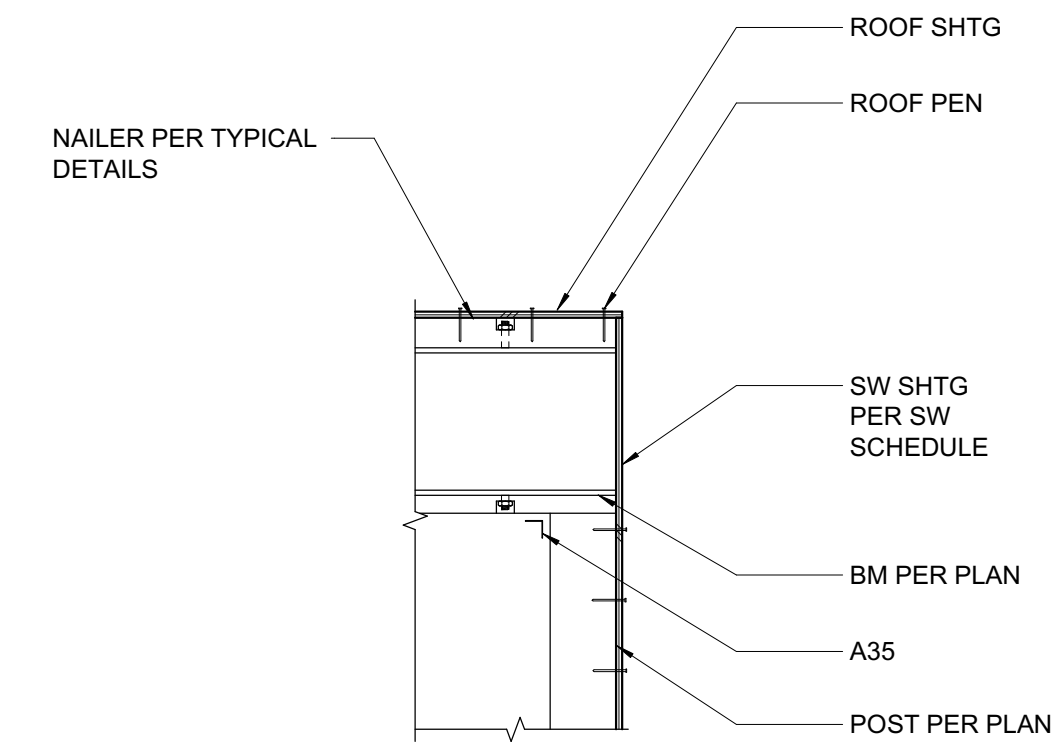
9 PARALLEL FRAMING AT EXTERIOR WALL  
3/4" = 1'-0"



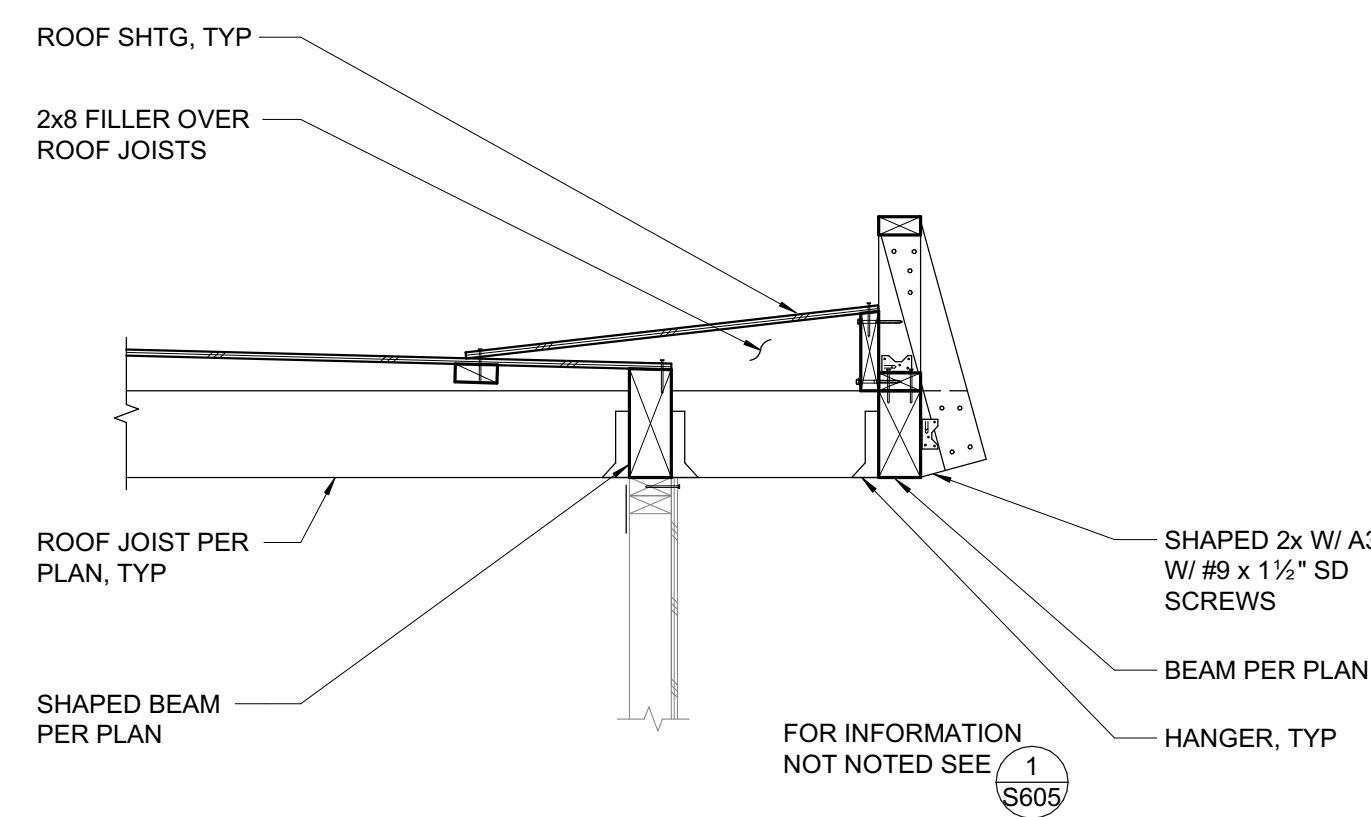
5 INTERIOR WALL AT GRID 4  
3/4" = 1'-0"



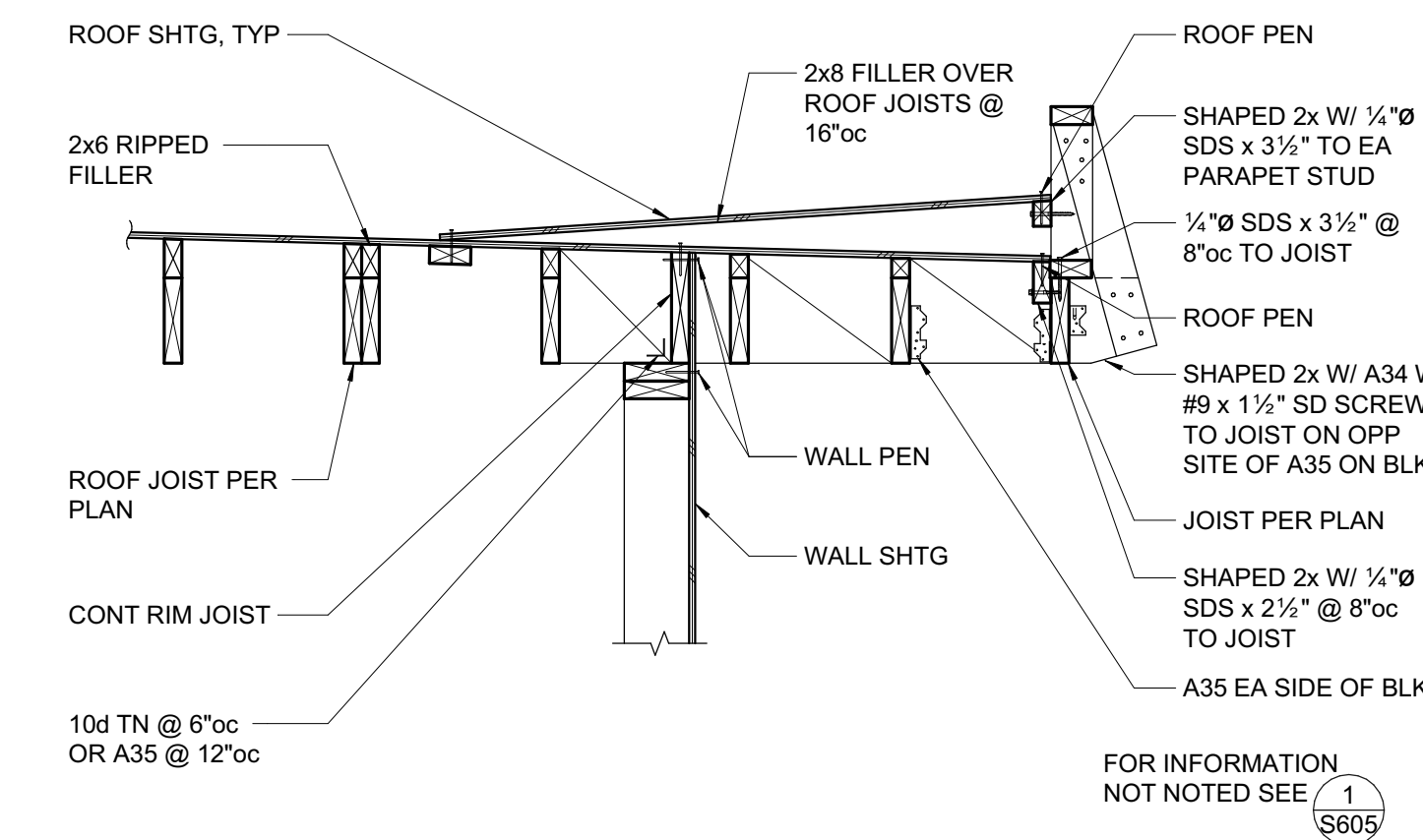
1 ROOF OVERHANG FRAMING  
3/4" = 1'-0"



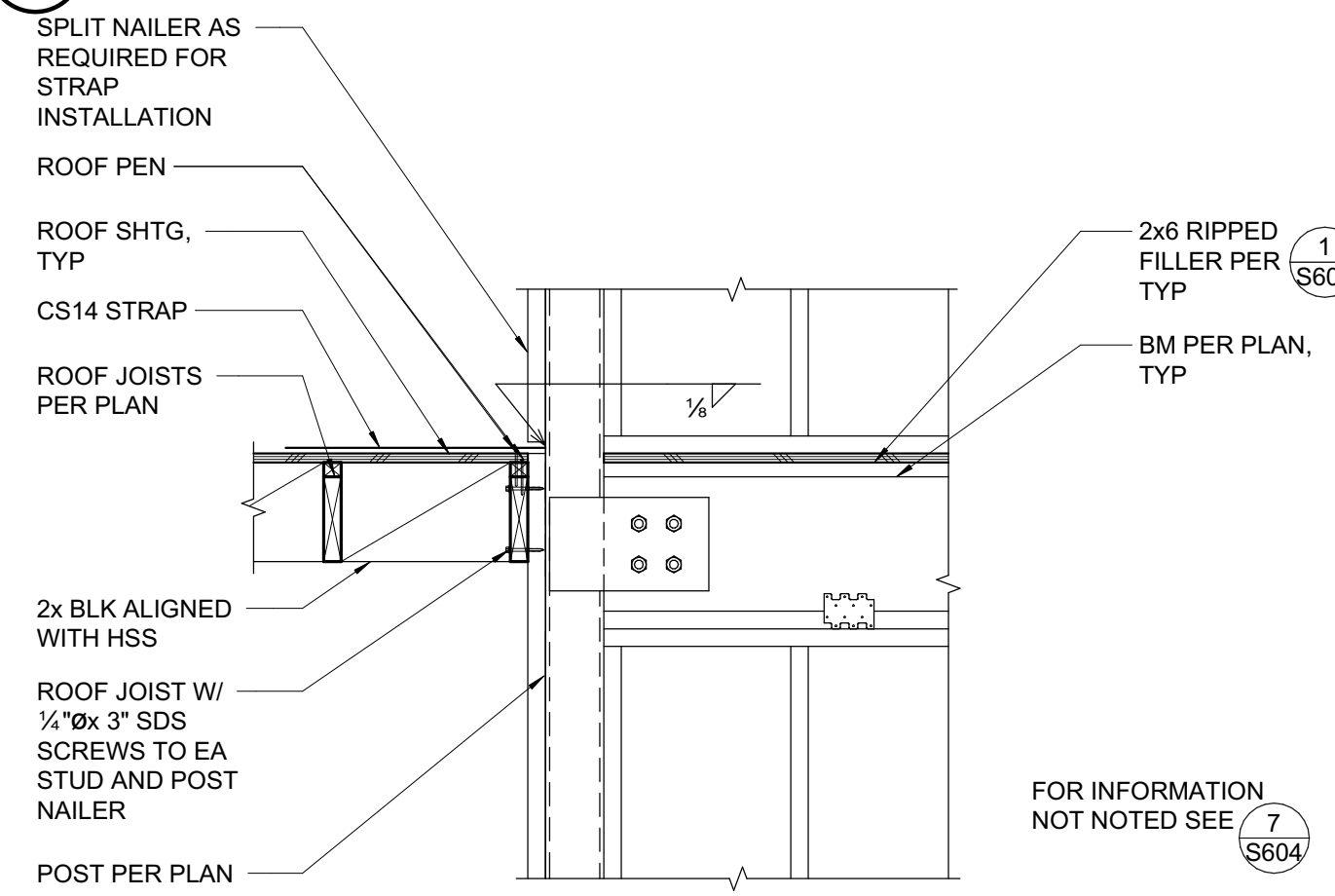
10 ELEVATOR OVERRUN BEAM  
3/4" = 1'-0"



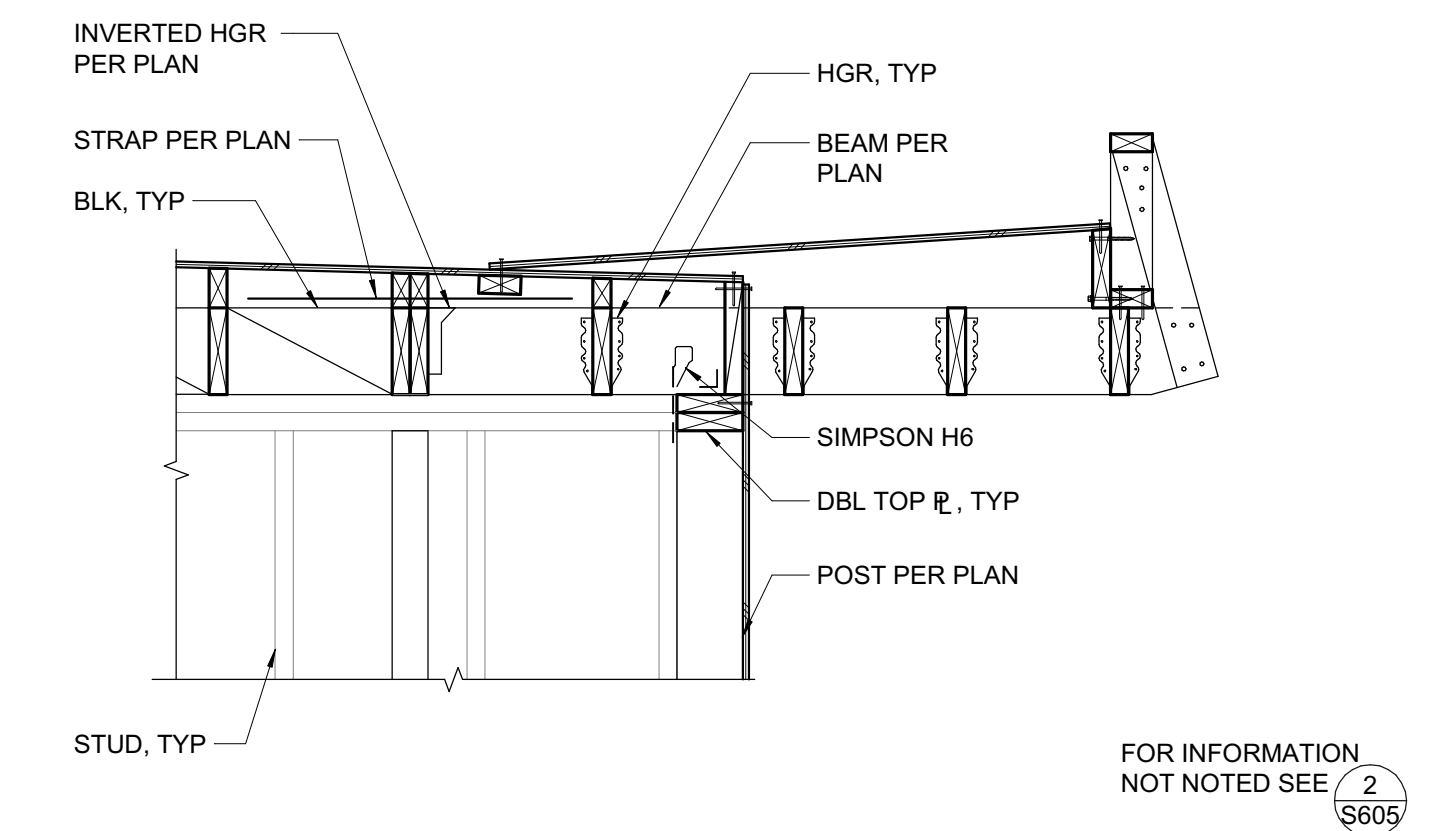
6 ROOF OVERHANG FRAMING  
3/4" = 1'-0"



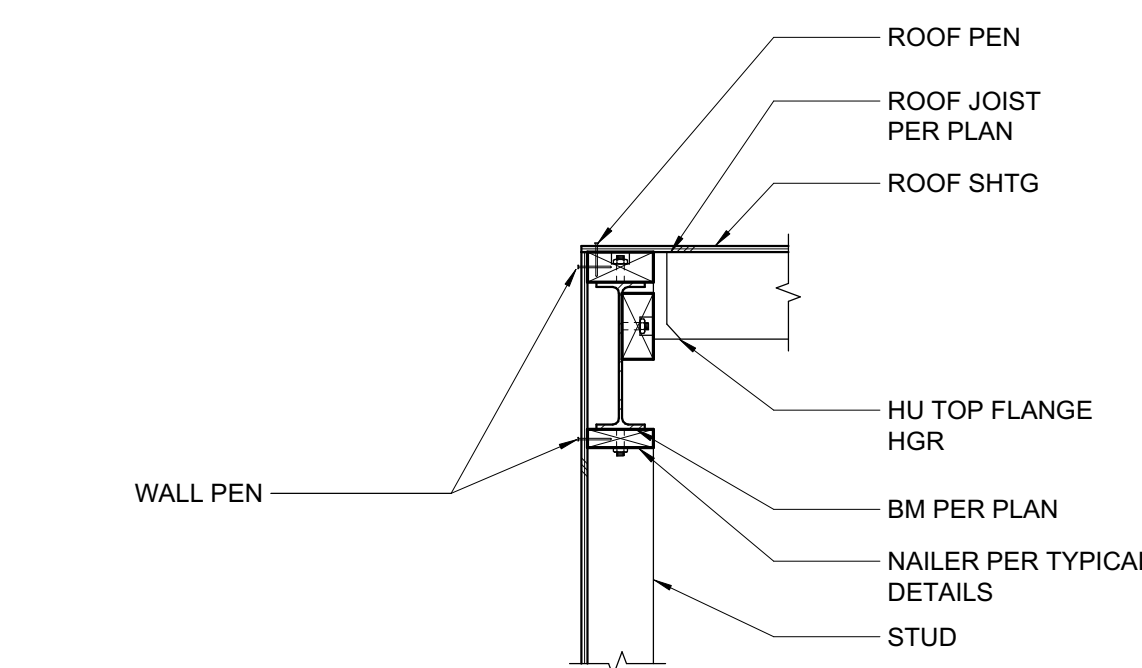
2 ROOF OVERHANG FRAMING  
3/4" = 1'-0"



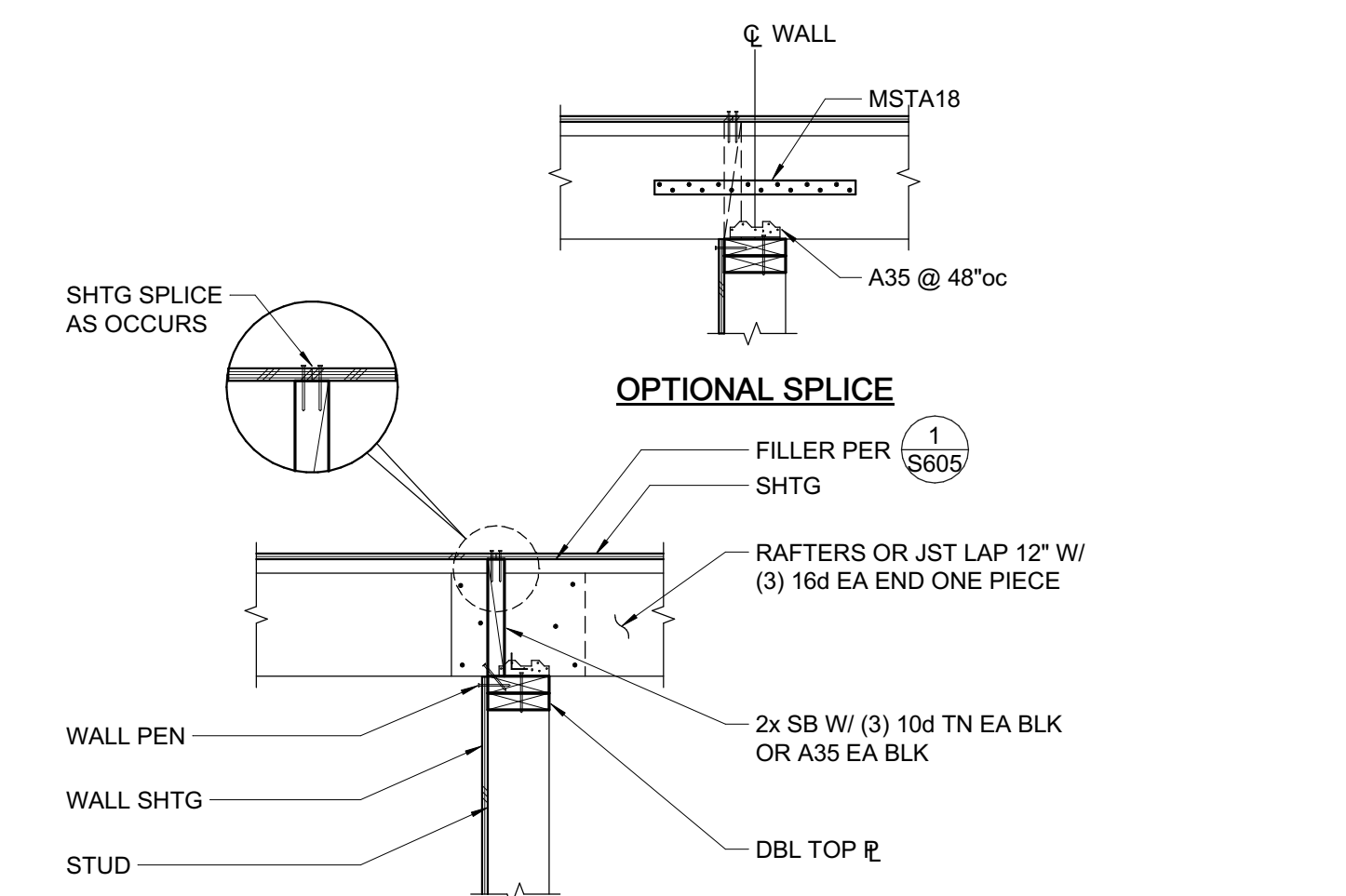
7 COLLECTOR AT STEEL POST  
3/4" = 1'-0"



3 ROOF OVERHANG FRAMING  
3/4" = 1'-0"



8 ELEVATOR OVERRUN BEAM  
3/4" = 1'-0"



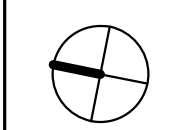
4 INTERIOR SHEAR WALL  
3/4" = 1'-0"

PERMIT DRAWINGS - NOT FOR CONSTRUCTION

| NO. | DESCRIPTION                       | DATE       |
|-----|-----------------------------------|------------|
| 1   | PRELIMINARY SCHEMATIC PRICING SET | 9/27/2021  |
| 3   | 50% DESIGN DEVELOPMENT            | 11/19/2021 |
| 4   | 100% DESIGN DEVELOPMENT           | 12/17/2021 |
| 5   | PERMIT SUBMITTAL                  | 4/01/2022  |

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
ROOF DETAILS



S605

## GENERAL MECHANICAL NOTES

1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA MECHANICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA BUILDING CODE, NATIONAL FIRE PROTECTION CODES, AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING THE 2019 CALIFORNIA ENERGY CONSERVATION STANDARDS OF TITLE 24.
2. LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES ARE DETAILED ON THE ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM ELEVATIONS.
3. LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT SUPPORTS ARE DETAILED ON THE STRUCTURAL AND ARCHITECTURAL PLANS.
4. PLATFORMS, CURBS AND FLASHING FOR EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS. COORDINATE THE EXACT SIZES OF REQUIRED OPENINGS AND SUPPORT FOR THE FURNISHED EQUIPMENT.
5. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
6. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH THE APPLICABLE SMACNA STANDARDS.
7. DUCTWORK SHALL BE INSULATED WITH 2" FIBERGLASS INSULATION AND ALL SERVICE JACKET. PROVIDE 1" ACOUSTICAL LINER WHERE SHOWN ON PLANS. DUCT DIMENSIONS ON PLANS ARE NET CLEAR INTERIOR.
8. MANUAL DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES AND REGISTERS.
9. ALL EQUIPMENT, DUCTS, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
10. PIPES AND DUCTWORK SHALL BE SUPPORTED AND BRACED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS."
11. EXPOSED PIPING ALLOWED ONLY WHERE INDICATED. PROVIDE ESCUTCHEONS IN FINISHED AREAS.
12. PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR EQUIPMENT PROVIDED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EQUIPMENT.
13. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED BY AN APPROVED MATERIAL AS PRESCRIBED IN CBC SECTION 714.
14. REFER TO STRUCTURAL DRAWING FOR LOCATIONS OF BEAMS, SHEAR WALLS AND MEMBERS. ALL DRILLING OF STRUCTURAL BEAMS AND MEMBERS TO BE COORDINATED WITH THE STRUCTURAL ENGINEER. ALL HOLES SHALL BE MINIMUM SIZE AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO DRILLING.
15. FIELD VERIFY LOCATION AND SIZE OF ALL EXISTING PIPING, DUCTWORK AND EQUIPMENT PRIOR TO FABRICATION OF ANY NEW WORK.
16. STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36. BOLTS SHALL CONFORM TO ASTM A-307. FABRICATION, ERECTION, WELDING AND PAINTING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS. ALL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED.
17. DUCTWORK VISIBLE THROUGH DIFFUSERS AND REGISTERS SHALL BE PAINTED FLAT BLACK.
18. INSULATION MATERIAL SHALL MEET THE STATE QUALITY STANDARD PER SECTION 120.4 OF THE 2019 CALIFORNIA ENERGY CODE (CEC).
19. DOORS AND WINDOWS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 118 CEC.
20. ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTION 120.3 AND TABLE 120.3-A.
21. ALL HVAC SYSTEMS SHALL MEET THE CONTROL REQUIREMENTS PER SECTIONS 112 AND 122 CEC.
22. ALL HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE REQUIREMENTS OF SECTIONS 111-113, 115, AND 120-129 CEC.

| DRAWING INDEX |                                     |
|---------------|-------------------------------------|
| DWG #         | DRAWING DESCRIPTION                 |
| M001          | MECHANICAL TITLE SHEET              |
| M002          | MECHANICAL SCHEDULES                |
| M003          | TITLE-24 DOCUMENTS                  |
| M004          | TITLE-24 DOCUMENTS                  |
| M005          | TITLE-24 DOCUMENTS                  |
| M006          | TITLE-24 DOCUMENTS                  |
| M201          | MECHANICAL GROUND FLOOR PLAN        |
| M202          | MECHANICAL SECOND FLOOR PLAN        |
| M203          | MECHANICAL ROOF PLAN                |
| M601          | MECHANICAL DETAILS                  |
| M602          | MECHANICAL SYSTEM SCHEMATIC DIAGRAM |

| GRILLES & REGISTERS |                 |              |                         |         |        |           |               |                  |                |                |       |                                   |
|---------------------|-----------------|--------------|-------------------------|---------|--------|-----------|---------------|------------------|----------------|----------------|-------|-----------------------------------|
| CODE                | DESCRIPTION     | LOCATION     | SIZE                    | MAX CFM | MAX SP | NECK SIZE | BLADE SPACING | BLADE DEFLECTION | MTG            | PN             | MFR   | REMARKS                           |
| SD-1                | SUPPLY DIFFUSER | MEETING      | 10' LONG, 1" SLOT WIDTH | 370     | 0.02"  | 10"       | --            | --               | CEILING        | FT-10 - 2-SLOT | TITUS | HIGHTHROW W/ TITUS PLENUM, 1.     |
| SR-1                | SUPPLY REGISTER | MULTIPLE     | 8" x 6"                 | 60      | 0.02"  | --        | 3/4"          | 35               | WALL           | 301RL          | TITUS | 1.                                |
| SR-2                | SUPPLY REGISTER | MULTIPLE     | 12" x 6"                | 120     | 0.02"  | --        | 3/4"          | 35               | WALL           | 301RL          | TITUS | 1.                                |
| SR-3                | SUPPLY REGISTER | EXERCISE     | 18" x 6"                | 190     | 0.02"  | --        | 3/4"          | 35               | WALL           | 301RL          | TITUS | 1.                                |
| SR-4                | SUPPLY REGISTER | KITCHEN      | 24" x 12"               | 600     | 0.02"  | --        | 3/4"          | 35               | WALL           | 301RL          | TITUS | 1.                                |
| SR-5                | SUPPLY REGISTER | DORM         | 8" x 6"                 | 50      | 0.02"  | --        | 3/4"          | 35               | FLOOR          | 301RL          | TITUS | 1.                                |
| RG-1                | RETURN GRILLE   | KITCHEN      | 18" x 14"               | 485     | 0.02"  | --        | 3/4"          | 35               | WALL           | 350RL          | TITUS | 1.                                |
| EG-1                | EXHAUST GRILLE  | ASSEMBLY BAY | 24" x 4"                | 140     | 0.02"  | --        | 3/4"          | 0                | SIDE OF DUCT   | S300FS         | TITUS | PROVIDE WITH AIR SCOOP DAMPER, 1. |
| EG-2                | EXHAUST GRILLE  | ASSEMBLY BAY | 18" x 8"                | 280     | 0.03"  | --        | 3/4"          | 0                | BOTTOM OF DUCT | S300FS         | TITUS | PROVIDE WITH AIR SCOOP DAMPER, 1. |
| EG-3                | EXHAUST GRILLE  | ASSEMBLY BAY | 42" x 18"               | 1500    | 0.02"  | --        | 3/4"          | 0                | BOTTOM OF DUCT | 350RS          | TITUS | 1.                                |
| EG-4                | EXHAUST GRILLE  | MULTIPLE     | 12" x 12"               | 60      | 0.01"  | 6"        | --            | --               | CEILING        | PAR            | TITUS | 1.                                |
| EG-5                | EXHAUST GRILLE  | MEETING      | 24" X10"                | 450     | 0.02"  | --        | 3/4"          | 35               | WALL           | 350RL          | TITUS | 1.                                |
| EG-6                | EXHAUST GRILLE  | MULTIPLE     | 8" x 6"                 | 30      | 0.01"  | --        | 3/4"          | 35               | WALL           | 350RL          | TITUS | 1.                                |
| EG-7                | EXHAUST GRILLE  | KITCHEN      | 18" x 12"               | 405     | 0.02"  | --        | 3/4"          | 35               | WALL           | 350RL          | TITUS | 1.                                |
| EG-8                | EXHAUST GRILLE  | MULTIPLE     | 18" x 6"                | 190     | 0.02"  | --        | 3/4"          | 35               | WALL           | 350RL          | TITUS | 1.                                |
| EG-9                | EXHAUST GRILLE  | LAUNDRY      | 12" x 8"                | 50      | 0.01"  | --        | 3/4"          | 35               | WALL           | 350RL          | TITUS | 1.                                |
| TG-1                | TRANSFER GRILLE | MULTIPLE     | 12" x 12"               | 50      | 0.01"  | 6"        | --            | --               | CEILING        | PAR            | TITUS | 1.                                |
| TG-2                | TRANSFER GRILLE | MULTIPLE     | 14" x 6"                | 50      | 0.01"  | --        | 3/4"          | 35               | WALL           | 350RL          | TITUS | 1.                                |
| TG-3                | TRANSFER GRILLE | MULTIPLE     | 18" x 10"               | 100     | 0.01"  | --        | 3/4"          | 35               | WALL           | 350RL          | TITUS | 1.                                |

NOTES:  
1. SEE ARCH PLAN FOR COLOR AND FINISH.

| FIRE DAMPER SCHEDULE |        |         |         |           |           |            |              |               |                     |          |
|----------------------|--------|---------|---------|-----------|-----------|------------|--------------|---------------|---------------------|----------|
| CODE                 | MFR    | MODEL   | CFM MAX | DUCT SIZE | WIDTH IN. | HEIGHT IN. | VELOCITY FPM | LEAKAGE CLASS | PRESSURE DROP (IN.) | COMMENTS |
| FD-1                 | RUSKIN | FD-60   | 30      | 6         | 8         | 10         | 500          | 1             | 0.04                | 1., 2.   |
| FD-2                 | RUSKIN | FSD-60M | 120     | 8         | 12        | 10         | 500          | 1             | 0.02                | 1., 2.   |
| FD-3                 | RUSKIN | FD-60   | 100     | 8         | 12        | 10         | 500          | 1             | 0.02                | 1., 2.   |
| FD-4                 | RUSKIN | FD-60   | 850     | SEE PLAN  | 16        | 16         | 500          | 1             | 0.02                | 1., 2.   |
| FD-5                 | RUSKIN | FSD-60M | 190     | 8         | 12        | 12         | 500          | 1             | 0.02                | 1., 2.   |
| FD-6                 | RUSKIN | FD-60   | 360     | 10        | 12        | 12         | 700          | 1             | 0.07                | 1., 2.   |
| FD-7                 | RUSKIN | FSD-60M | 405     | 12        | 12        | 12         | 760          | 1             | 0.08                | 1., 2.   |

NOTES:  
1. 1-1/2 HR RATED DAMPER.  
2. SEE DETAIL 11 AND 12/M601 FOR DETAIL

| LOUVER SCHEDULE |              |                    |                 |       |             |     |           |         |  |  |
|-----------------|--------------|--------------------|-----------------|-------|-------------|-----|-----------|---------|--|--|
| CODE            | LOCATION     | SIZE (IN)          | FREE AREA SQ IN | CFM   | PRESS. DROP | P/N | MFG.      | REMARKS |  |  |
| EH-1            | ROOF         | 28"L x 26"W x 16"H | -               | 2400  | 0.04        | WRH | GREENHECK | 2.      |  |  |
| DL-1            | ASSEMBLY BAY | -                  | 1150            | 2,400 | 0.1         | -   | -         | 1.      |  |  |
| DL-2            | ASSEMBLY BAY | -                  | 360             | 750   | 0.1         | -   | -         | 1.      |  |  |

NOTES:  
1. SEE ARCHITECTURAL PLAN.  
2. PROVIDE ROOF CURB AND BDD.

### SYMBOLS & ABBREVIATIONS (MECHANICAL)

|   |  |   |
|---|--|---|
| <p>BT BYPASS TIMER</p> <p>CL CENTER LINE</p> <p>CD CONDENSATE DRAIN</p> <p>Ø DIAMETER</p> <p>EXHAUST, RETURN, SUPPLY AIR DUCT (EXISTING)</p> <p>EXHAUST, RETURN, SUPPLY AIR DUCT (NEW)</p> <p>EXTENT OF DEMOLITION</p> <p>EXHAUST DUCT UP, DOWN, PENE &amp; DEMO</p> <p>FIRE/SMOKE DAMPER</p> <p>FIRE DAMPER</p> <p>POINT OF CONNECTION</p> <p>P/T PLUG</p> <p>RETURN OR EXHAUST AIR</p> <p>RETURN DUCT UP, DOWN, PENE &amp; DEMO</p> <p>SPEED CONTROL SWITCH</p> <p>SPIN-IN EXTRACTOR/DAMPER</p> <p>SUPPLY DUCT UP, DOWN, PENE &amp; DEMO</p> <p>SUPPLY OR OUTSIDE AIR</p> <p>THERMOSTAT at + 48"</p> <p>TO BE REMOVED</p> <p>TRANSFER AIR</p> <p>TURNING VANES</p> <p>VOLUME DAMPER</p> | <p>AD ACCESS DOOR</p> <p>AFF ABOVE FINISH FLOOR</p> <p>AL ACOUSTICALLY LINED</p> <p>AP ACCESS PANEL</p> <p>BD BALANCING DAMPER</p> <p>BDD BACKDRAFT DAMPER</p> <p>BHP BRAKE HORSE POWER</p> <p>BJ BETWEEN JOIST</p> <p>BTU BRITISH THERMAL UNIT</p> <p>C CONDUIT</p> <p>CA COMBUSTION AIR</p> <p>CD CONDENSATE DRAIN</p> <p>CFM CUBIC FEET PER MINUTE</p> <p>DEMO DEMOLITION</p> <p>CHWS CHILLED WATER SUPPLY</p> <p>CHWR CHILLED WATER RETURN</p> <p>DL DOOR LOUVER</p> <p>(E) EXISTING</p> <p>EAD EXHAUST AIR DUCT</p> | <p>EC ELECTRICAL CONTRACTOR</p> <p>EDB ENTERING DRY BULB</p> <p>EOD EXTENT OF DEMOLITION</p> <p>ETR EXISTING TO REMAIN</p> <p>EWB ENTERING WET BULB</p> <p>EWT ENTERING WATER TEMPERATURE</p> <p>*F DEGREES FAHRENHEIT</p> <p>FC FLEXIBLE CONNECTION</p> <p>FD FIRE DAMPER</p> <p>FLA FULL LOAD AMPS</p> <p>FSD FIRE SMOKE DAMPER</p> <p>FT.HD. FEET HEAD</p> <p>FTR FLUE THRU ROOF</p> <p>GC GENERAL CONTRACTOR</p> <p>GPM GALLONS PER MINUTE</p> <p>HP HORSE POWER</p> <p>KW KILOWATTS</p> <p>LBS POUNDS</p> <p>LWT LEAVING WATER TEMPERATURE</p> <p>MBH 1,000 BTU/HR</p> <p>MC MECHANICAL CONTRACTOR</p> <p>(N) NEW</p> <p>NIC NOT IN CONTRACT</p> <p>NTS NOT TO SCALE</p> <p>OBD OPPOSED BLADE DAMPER</p> <p>OSA OUTSIDE AIR</p> <p>OSAD OUTSIDE SUPPLY AIR DUCT</p> <p>PC PLUMBING CONTRACTOR</p> <p>PENE PENETRATION</p> <p>PD PRESSURE DROP</p> <p>PH PHASE</p> <p>POC POINT OF CONNECTION</p> <p>P/N PART NUMBER</p> <p>PRV PRESSURE REDUCING VALVE</p> <p>PSI POUNDS PER SQUARE INCH</p> <p>P/T PRESSURE / TEMPERATURE</p> <p>RA RETURN AIR</p> <p>RAD RETURN AIR DUCT</p> <p>(RL) RELOCATE</p> <p>RPM REVOLUTIONS PER MINUTE</p> <p>SA SUPPLY AIR</p> <p>SAD SUPPLY AIR DUCT</p> <p>SD SUPPLY DIFFUSER</p> <p>SP STATIC PRESSURE</p> <p>SS STAINLESS STEEL</p> <p>STD STANDARD</p> <p>TAD TRANSFER AIR DUCT</p> <p>TV TURNING VANES</p> <p>TYP TYPICAL</p> <p>UCD UNDERCUT DOOR</p> <p>UON UNLESS OTHERWISE NOTED</p> <p>V VOLT</p> <p>VD VOLUME DAMPER</p> <p>VIF VERIFY IN FIELD</p> <p>W/ WITH</p> <p>WC WATER COLUMN</p> <p>WT WEIGHT</p> <p>W/O WITH OUT</p> |
|---|--|---|

## List Engineering

Mechanical Consultants

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Telephone (831) 373-4390 / Facsimile (831) 373-6522  
www.listengineering.com © LEC 2021  
Job No. 21025.00

REGISTERED PROFESSIONAL ENGINEER

MECHANICAL

STATE OF CALIFORNIA

STAMP

PROJECT ADDRESS

**217 ARLINGTON AVE.  
KENSINGTON, CA, 94707**

PROJECT TEAM

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CONTACT: HENRY TOORYANI  
T: (415) 826-9626

| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
|     | ISSUED FOR BUILDING PERMIT | 04-01-22 |
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JOB NO.

DESCRIPTION

MECHANICAL TITLE SHEET

# M001

| MARK | DESCRIPTION                 | LOCATION | NOMINAL CAPACITY<br>TONS | CAPACITY (BTUH) |         | MCA | MOCP | ELECT<br>V/PH | EFFICIENCY<br>EER/SEER | REFRIGERANT | CONTROL    | WEIGHT<br>(LBS) | SIZE<br>L x W x H (IN)      | PART NUMBER | MFG | REMARKS            |
|------|-----------------------------|----------|--------------------------|-----------------|---------|-----|------|---------------|------------------------|-------------|------------|-----------------|-----------------------------|-------------|-----|--------------------|
|      |                             |          |                          | COOLING         | HEATING |     |      |               |                        |             |            |                 |                             |             |     |                    |
| OU-1 | HEAT RECOVERY VRF CONDENSER | ROOF     | 5                        | 60,000          | 64,000  | 25  | 40   | 230/1         | 10/18.9                | R-410A      | THERMOSTAT | 260             | 37-13/32" x 13" x 54-11/32" | ARUB060GSS4 | LG  | 1, CONNECT TO BC-1 |
| OU-2 | HEAT RECOVERY VRF CONDENSER | ROOF     | 5                        | 60,000          | 64,000  | 25  | 40   | 230/1         | 10/18.9                | R-410A      | THERMOSTAT | 260             | 37-13/32" x 13" x 54-11/32" | ARUB060GSS4 | LG  | 1, CONNECT TO BC-2 |
| OU-3 | HEAT RECOVERY VRF CONDENSER | ROOF     | 5                        | 60,000          | 64,000  | 25  | 40   | 230/1         | 10/18.9                | R-410A      | THERMOSTAT | 260             | 37-13/32" x 13" x 54-11/32" | ARUB060GSS4 | LG  | 1, CONNECT TO BC-3 |
| OU-4 | HEAT PUMP VRF CONDENSER     | ROOF     | 2                        | 24,000          | 27,000  | 20  | 30   | 230/1         | 10.7/17                | R-410A      | THERMOSTAT | 159             | 37-13/32" x 13" x 32-27/32" | ARUN024GSS4 | LG  | 1                  |

NOTES:  
 1. SERVICE VALVES, DISCONNECT, SEA COAST COATING , ROOF CURB, INSULATED REFER PIPING.

| MARK  | DESCRIPTION          | AREA SERVES               | DCV | CAPACITY (BTUH) |              | CFM | OSA<br>CFM | ESP<br>(IN) | ELECTRICAL |      |       | CONTROL    | SOUND<br>dBA | WEIGHT<br>(LBS) | SIZE<br>(IN)                   | PART<br>NO. | MFG | REMARKS                     |
|-------|----------------------|---------------------------|-----|-----------------|--------------|-----|------------|-------------|------------|------|-------|------------|--------------|-----------------|--------------------------------|-------------|-----|-----------------------------|
|       |                      |                           |     | CLG             | HEATING      |     |            |             | MCA        | MOCP | V/PH  |            |              |                 |                                |             |     |                             |
| IU-1  | 4-WAY CASSETTE (2x2) | LOBBY                     | -   | 5,500           | 6,100        | 265 | 60         | -           | 0.25       | 15   | 230/1 | THERMOSTAT | 29           | 36              | 22-7/16" x 22-7/16" x 8-7/16"  | ARNU053TRD4 | LG  | 1., 2., CONNECT TO BC-1     |
| IU-2  | 4-WAY CASSETTE (2x2) | STAFF                     | -   | 5,500           | 6,100        | 265 | 30         | -           | 0.25       | 15   | 230/1 | THERMOSTAT | 29           | 36              | 22-7/16" x 22-7/16" x 8-7/16"  | ARNU053TRD4 | LG  | 1., 2., CONNECT TO BC-1     |
| IU-3  | 4-WAY CASSETTE (3x3) | ADMINISTRATION            | -   | 7,500           | 8,500        | 459 | 40         | -           | 0.71       | 15   | 230/1 | THERMOSTAT | 29           | 66.6            | 33-1/16" x 33-1/16" x 9-11/16" | ARNU073TNA4 | LG  | 1., 2., CONNECT TO BC-1     |
| IU-4  | 4-WAY CASSETTE (3x3) | MEETING                   | -   | 9,600           | 10,900       | 477 | 80         | -           | 0.71       | 15   | 230/1 | THERMOSTAT | 29           | 66.6            | 33-1/16" x 33-1/16" x 9-11/16" | ARNU093TNA4 | LG  | 1., 2., CONNECT TO BC-1     |
| IU-5  | WALL MOUNT           | MEETING                   | -   | 12,300          | 13,600       | 300 | -          | -           | 0.31       | 15   | 230/1 | THERMOSTAT | 37           | 20.2            | 32-5/16" x 12-1/8" x 7-9/16"   | ARNU123SJR4 | LG  | 2., CONNECT TO BC-1         |
| IU-6  | 4-WAY CASSETTE (2x2) | HALL 1                    | -   | 5,500           | 6,100        | 265 | 50         | -           | 0.25       | 15   | 230/1 | THERMOSTAT | 29           | 36              | 22-7/16" x 22-7/16" x 8-7/16"  | ARNU053TRD4 | LG  | 1., 2., CONNECT TO BC-1     |
| IU-7  | 4-WAY CASSETTE (2x2) | HALL 2                    | -   | 5,500           | 6,100        | 265 | 50         | -           | 0.25       | 15   | 230/1 | THERMOSTAT | 29           | 36              | 22-7/16" x 22-7/16" x 8-7/16"  | ARNU053TRD4 | LG  | 1., 2., CONNECT TO BC-2     |
| IU-8  | WALL MOUNT           | DORM 1                    | -   | 5,500           | 6,100        | 240 | -          | -           | 0.31       | 15   | 230/1 | THERMOSTAT | 30           | 20.2            | 32-5/16" x 12-1/8" x 7-9/16"   | ARNU053SJR4 | LG  | 2., CONNECT TO BC-2         |
| IU-9  | WALL MOUNT           | DORM 2                    | -   | 5,500           | 6,100        | 240 | -          | -           | 0.31       | 15   | 230/1 | THERMOSTAT | 30           | 20.2            | 32-5/16" x 12-1/8" x 7-9/16"   | ARNU053SJR4 | LG  | 2., CONNECT TO BC-2         |
| IU-10 | WALL MOUNT           | DORM 3                    | -   | 5,500           | 6,100        | 240 | -          | -           | 0.31       | 15   | 230/1 | THERMOSTAT | 30           | 20.2            | 32-5/16" x 12-1/8" x 7-9/16"   | ARNU053SJR4 | LG  | 2., CONNECT TO BC-2         |
| IU-11 | WALL MOUNT           | HALL 3                    | -   | 5,500           | 6,100        | 240 | -          | -           | 0.31       | 15   | 230/1 | THERMOSTAT | 30           | 20.2            | 32-5/16" x 12-1/8" x 7-9/16"   | ARNU053SJR4 | LG  | 2., CONNECT TO BC-2         |
| IU-12 | WALL MOUNT           | EXERCISE                  | -   | 15,400          | 17,100       | 371 | -          | -           | 0.31       | 15   | 230/1 | THERMOSTAT | 42           | 20.2            | 32-5/16" x 12-1/8" x 7-9/16"   | ARNU153SJR4 | LG  | 2., CONNECT TO BC-2         |
| IU-13 | WALL MOUNT           | DAYROOM                   | -   | 7,500           | 8,500        | 254 | -          | -           | 0.31       | 15   | 230/1 | THERMOSTAT | 32           | 20.2            | 32-5/16" x 12-1/8" x 7-9/16"   | ARNU073SJR4 | LG  | 2., CONNECT TO BC-3         |
| IU-14 | WALL MOUNT           | DAYROOM                   | -   | 7,500           | 8,500        | 254 | -          | -           | 0.31       | 15   | 230/1 | THERMOSTAT | 32           | 20.2            | 32-5/16" x 12-1/8" x 7-9/16"   | ARNU073SJR4 | LG  | 2., CONNECT TO BC-3         |
| IU-15 | WALL MOUNT           | CAPTAIN'S OFFICE          | -   | 5,500           | 6,100        | 240 | -          | -           | 0.31       | 15   | 230/1 | THERMOSTAT | 30           | 20.2            | 32-5/16" x 12-1/8" x 7-9/16"   | ARNU053SJR4 | LG  | 2., CONNECT TO BC-3         |
| IU-16 | WALL MOUNT           | OFFICE 1                  | -   | 5,500           | 6,100        | 240 | -          | -           | 0.31       | 15   | 230/1 | THERMOSTAT | 30           | 20.2            | 32-5/16" x 12-1/8" x 7-9/16"   | ARNU053SJR4 | LG  | 2., CONNECT TO BC-3         |
| IU-17 | MID STATIC DUCTED    | KITCHEN                   | -   | 24,200          | 27,300       | 600 | 115        | 0.59        | 2.00       | 15   | 230/1 | THERMOSTAT | 51           | 59              | 37" x 29" x 11"                | ARNU243M1A4 | LG  | 2., 3., 4., CONNECT TO BC-3 |
| IU-18 | WALL MOUNT           | IT/ELEC                   | -   | 24,200          | 25,600       | 537 | -          | -           | 0.65       | 15   | 230/1 | THERMOSTAT | 46           | 29.5            | 39-5/16" x 13-9/16" x 3-3/8"   | ARNU243SKR4 | LG  | 2., 5., CONNECT TO OU-4     |
|       |                      |                           |     | EACH PORT       | SUM OF PORTS |     |            |             |            |      |       |            |              |                 |                                |             |     |                             |
| BC-1  | 6-Branch Unit        | 1ST FLOOR                 |     | 60,000          | 230,000      |     |            |             |            |      | 0.27  |            |              |                 | 31-1/4" x 18-15/16" x 8-5/8"   | PRHR063A    | LG  | 3,                          |
| BC-2  | 6-Branch Unit        | DORMS, HALL 2&3, Exercise |     | 60,000          | 230,000      |     |            |             |            |      | 0.27  |            |              |                 | 31-1/4" x 18-15/16" x 8-5/8"   | PRHR063A    | LG  | 3,                          |
| BC-3  | 6-Branch Unit        | OFFICES, KITCHEN, DAYROOM |     | 60,000          | 230,000      |     |            |             |            |      | 0.27  |            |              |                 | 31-1/4" x 18-15/16" x 8-5/8"   | PRHR063A    | LG  | 3,                          |

NOTES:  
 1. PROVIDE OUTSIDE AIR INTAKE KIT (PTVK430) AND FLEXIBLE CONNECTIONS TO AIR DUCT.  
 2. EC TO PROVIDE DISCONNECT TO UNIT, PROVIDE CONDENSATE PUMP TO EACH INDOOR UNIT IF IT IS NOT ALREADY AVAILABLE.  
 3. PROVIDE SECONDARY DRAIN PAN W/ WATER DETECTION ALARM THAT SHUTS OFF UNIT IF ACTIVATED.  
 4. PROVIDE FLEXIBLE CONNECTIONS TO AIR DUCTS.  
 5. COOLING ONLY. DISABLE HEATING FUNCTION.

| MARK | DESCRIPTION         | LOCATION     | HIGH INPUT BTUH | LOW INPUT BTUH | GAS PIPE<br>CONNECTION | AMP | ELECT<br>V/PH | CONTROL      | WEIGHT<br>(LBS) | SIZE<br>L x W x H (IN) | PART NUMBER | MFG      | REMARKS |
|------|---------------------|--------------|-----------------|----------------|------------------------|-----|---------------|--------------|-----------------|------------------------|-------------|----------|---------|
| IR-1 | INFRARED GAS HEATER | ASSEMBLY BAY | 35,000          | 24,000         | 1/2" NPT               | 0.1 | 120/1         | MANUAL TIMER | 55              | 48" x 12" x 10"        | RSW35-N2    | STERLING | 1.      |
| IR-2 | INFRARED GAS HEATER | ASSEMBLY BAY | 35,000          | 24,000         | 1/2" NPT               | 0.1 | 120/1         | MANUAL TIMER | 55              | 48" x 12" x 10"        | RSW35-N2    | STERLING | 1.      |
| IR-3 | INFRARED GAS HEATER | ASSEMBLY BAY | 35,000          | 24,000         | 1/2" NPT               | 0.1 | 120/1         | MANUAL TIMER | 55              | 48" x 12" x 10"        | RSW35-N2    | STERLING | 1.      |
| IR-4 | INFRARED GAS HEATER | ASSEMBLY BAY | 35,000          | 24,000         | 1/2" NPT               | 0.1 | 120/1         | MANUAL TIMER | 55              | 48" x 12" x 10"        | RSW35-N2    | STERLING | 1.      |
| IR-5 | INFRARED GAS HEATER | ASSEMBLY BAY | 35,000          | 24,000         | 1/2" NPT               | 0.1 | 120/1         | MANUAL TIMER | 55              | 48" x 12" x 10"        | RSW35-N2    | STERLING | 2.      |
| IR-6 | INFRARED GAS HEATER | ASSEMBLY BAY | 35,000          | 24,000         | 1/2" NPT               | 0.1 | 120/1         | MANUAL TIMER | 55              | 48" x 12" x 10"        | RSW35-N2    | STERLING | 2.      |

NOTES:  
 1. PROVIDE HEAT SHEILD AND MOUNTING. CEILING MOUNT HORIZONTALLY. INSTALL PER MANUFACTURER INSTRUCTIONS W/ MANUFACTURER RIGID HANGING BRACKETS. FOR EACH HEATER, ROOM EXHAUST TO BE AT LEAST 4 CFM/ 1000 BTUH INPUT.  
 2. PROVIDE HEAT SHEILD AND MOUNTING. WALL MOUNT AT 30 DEGREES. INSTALL PER MANUFACTURER INSTRUCTIONS W/ MANUFACTURER RIGID HANGING BRACKETS. FOR EACH HEATER, ROOM EXHAUST TO BE AT LEAST 4 CFM/ 1000 BTUH INPUT.

| CODE  | DESCRIPTION               | LOCATION | EXHAUST<br>CFM | OUTSIDE AIR<br>CFM | EA<br>ESP | OSA<br>ESP | EA<br>HP | OSA<br>HP | MCA  | MOP | ELECT<br>V/PH | EMERGENCY<br>POWER | CONTROL     | SIZE<br>L x W x H (IN)      | WEIGHT<br>(LBS) | PART<br>NO. | MFG       | REMARKS        |
|-------|---------------------------|----------|----------------|--------------------|-----------|------------|----------|-----------|------|-----|---------------|--------------------|-------------|-----------------------------|-----------------|-------------|-----------|----------------|
| ERV-1 | AIR TO AIR HEAT EXCHANGER | ROOF     | 1,475          | 1,535              | 1"        | 1"         | 1.5      | 2         | 29.0 | 35  | 208/1         | YES                | SEE NOTE 2. | 68-1/4" x 68-1/4" x 66-1/4" | 1,980           | RERV 1533   | SPINNAKER | 1., 2., 3., 4. |

NOTES:  
 1. HEAT WHEEL, FAN VFDs, DISCONNECT, OSA DAMPER, BACKDRAFT DAMPER, 2" DEFLECTION SPRING ISOLATORS AT FANS, FLANGES,FLEX AND TRANSITIONS AT DUCT CONNECTIONS, ROOF CURB. MERV 13 FILTER ON OSA, UL-1812, DIRTY FILTER SENSOR. BALANCE TO AIRFLOWS ON PLANS.

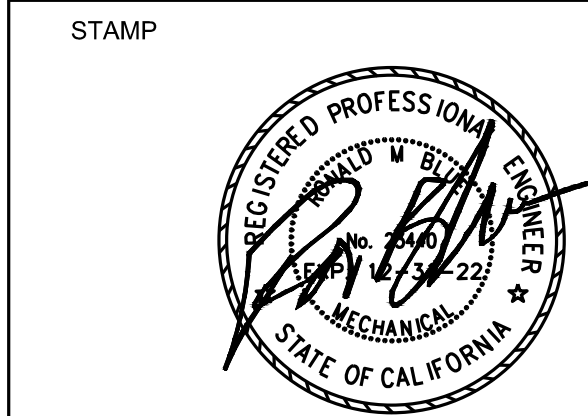
| FREQUENCY                          | 63 HZ | 125 HZ | 250 HZ | 500 HZ | 1 KHZ | 2 KHZ | 4 KHZ | 8 KHZ |
|------------------------------------|-------|--------|--------|--------|-------|-------|-------|-------|
| SOUND POWER LEVEL (DB) @ FREQUENCY | 95    | 100    | 93     | 88     | 84    | 82    | 79    | 76    |

2. FANS AND HEAT WHEEL TO RUN CONTINUOUSLY. OSA DAMPER TO CLOSE WHEN ERV IS OFF.  
 3. WRAP ERV WITH SOUND DEADENING MATERIAL (MANUFACTURER: PIPE AND DUCT LAGGING, MODEL: B-10 LAG/QFA-9. 2 LB BARRIER WITH 2" THICK FIBERGLASS DECOUPLER). WEIGHT INCLUDED IN ERV.  
 4. PROVIDE SOUND ATTENUATOR SA-1 AT OUTSIDE SUPPLY AIR INLET AND SOUND ATTENUATOR SA-2 AT EXHAUST OUTLET OF ERV. WRAP SOUND ATTENUATORS W/ SOUND DEADENING MATERIAL (PIPE AND DUCT LAGGING - B-10 LAG/QFA-9).

| CODE | MANUFACTURER/ MODEL                   | DIMENSION       | PRESSURE<br>DROP | WEIGHT    | SOUND TRANSMISSION LOSS (DB) AT FREQUENCY (HZ) |       |        |        |        |       |       |       |       |
|------|---------------------------------------|-----------------|------------------|-----------|--|-------|--------|--------|--------|-------|-------|-------|-------|
|      |                                       |                 |                  |           | 31.5 HZ  | 63 HZ | 125 HZ | 250 HZ | 500 HZ | 1 KHZ | 2 KHZ | 4 KHZ | 8 KHZ |
|      | PIPE AND DUCT LAGGING/ B-10 LAG/QFA-9 | -               | -                | 2 LB/SQFT | -  | -     | 21     | 24     | 29     | 41    | 54    | 68    | -     |
| SA-1 | IAC ACOUSTICS/ 3LFL                   | 20" x 14" x 36" | 0.05"            | 34 LB     | 0  | 4     | 7      | 13     | 17     | 17    | 11    | 11    | 10    |
| SA-2 | IAC ACOUSTICS/ 3LFL                   | 13" x 12" x 36" | 0.17"            | 21 LB     | 0  | 4     | 8      | 13     | 19     | 20    | 12    | 11    | 9     |

| CODE | MFR         | MODEL      | CFM   | ESP IN<br>(IN) | FAN<br>RPM | ELECTRICAL |    |       | SIZE (IN)       | WEIGHT (LBS)<br>(LB) | AREAS SERVED | SONES | COMMENTS   |
|------|-------------|------------|-------|----------------|------------|------------|----|-------|-----------------|----------------------|--------------|-------|------------|
|      |             |            |       |                |            | BHP        | HP | V/PH  |                 |                      |              |       |            |
| EF-1 | CAPTIVEAIRE | SIF18DD-HE | 2,400 | 0.5"           | 1105       | 0.470      | 1  | 208/3 | 28" x 28" x 38" | 265                  | ASSEMBLY BAY | 8.9   | 1., 2., 3. |

NOTES:  
 1. MOTOR STARTER, DISCONNECT, 2" DEFLECTION SPRING ISOLATORS, FLEX CONNECTIONS, BDD, BELT GUARD, MOUNTING BRACKETS  
 2. RUN CONTINUOUSLY.  
 3. 3-PHASE FAN WITH VFD THAT ACCEPTS SINGLE PHASE INPUT.



PROJECT ADDRESS  
**217 ARLINGTON AVE.**  
**KENSINGTON, CA, 94707**

PROJECT TEAM  
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 850 S. VAN NESS AVE #26  
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| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |

JOB NO.

DESCRIPTION  
 MECHANICAL SCHEDULES

**M002**

STATE OF CALIFORNIA  
**Envelope Component Approach**  
NRCC-ENV-E CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ENV-E  
Project Name: Kensington Public Safety Building Report Page: (Page 1 of 15)  
Project Address: 217 Arlington Ave Date Prepared: 3/9/2022

This document is used to demonstrate compliance with mandatory requirements in §110.8(a) and §141.0(b) for newly constructed buildings, and §141.0(b)(1) for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in §140.3 for newly constructed buildings, and §141.0 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.

Project Name: Kensington Public Safety Building Report Page: (Page 1 of 15)  
Project Address: 217 Arlington Ave Date Prepared: 3/9/2022

**A. GENERAL INFORMATION**

Table with 4 columns: Item, Description, Value, Unit. Includes Project Location, Zipcode, Climate Zone, and Unconditioned Floor Area.

Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per §100.0(b).

All Nonresidential, including Relocatable Public School Building certified for use in one climate zone Occupancy: A/B/E/F/H/J/M/S/U

FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in §140.3(c). Compliance with §140.3(c) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

**B. PROJECT SCOPE**

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in §140.3, and §141.0(a)(1) and §141.0(b)(1) and 2 for additions and alterations.

My project consists of (check all that apply)

Table with 2 main columns: New Construction or Newly Conditioned Space, and Addition of conditioned space. Includes checkboxes for various roof and wall types.

FOOTNOTE: Doors that are more than one-half glass in area are considered Glazed Doors and should be documented on table K with fenestration.

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STATE OF CALIFORNIA  
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NRCC-ENV-E CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ENV-E  
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**C. COMPLIANCE RESULTS**

Results in this table are automatically calculated from data input and calculations in Tables F through L. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see the applicable table referenced below.

Table with 8 columns: Roof Assembly, Roofing Materials, Walls, Floors, Doors, Fenestration, Daylighting Spaces > 5,000ft², Compliance Results.

**D. EXCEPTIONAL CONDITIONS**

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

**E. ADDITIONAL REMARKS**

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

**F. ROOF ASSEMBLY SCHEDULE**

This table demonstrates compliance for prescriptive roof assembly requirements in §140.3(a)(1) for new construction or additions, or §141.0(b)(2)(ii) for alterations.

Table with 2 columns: Indicate roof types included in the project, and checkboxes for Framed, SIPS, Span Deck & Concrete, Metal Panels, Metal Building.

Indicate Framed Roof Assemblies in Area-Weighted Average U-factor Calculation¹

Table with 5 columns: Tag/Plan Detail ID, Name/Description, Status, Exception to Roof Insulation Requirements in §141.0(b)(2)(iii) (Alts. Only), Occupancy Type.

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**F. ROOF ASSEMBLY SCHEDULE**

This table demonstrates compliance for prescriptive roof assembly requirements in §140.3(a)(1) for new construction or additions, or §141.0(b)(2)(ii) for alterations.

Indicate Framed Roof Assemblies in Area-Weighted Average U-factor Calculation¹

Table with 5 columns: Tag/Plan Detail ID, Name/Description, Status, Exception to Roof Insulation Requirements in §141.0(b)(2)(iii) (Alts. Only), Occupancy Type.

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**F. ROOF ASSEMBLY SCHEDULE**

Table with 17 columns: Tag/Plan Detail ID, Occupancy & Status, How Design U-factor was determined, Location, Frame Material, Spacing & Depth, Cavity Insulation per Design, Thermal Performance Unit, Required Thermal Performance, U-factor per Design, Net Area³ ft².

FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.

Structural Insulated Panels (SIPS) Roof/Ceiling Assemblies  
This section does not apply to this project.

Span Deck And Concrete Roof Assemblies  
This section does not apply to this project.

Metal Panel Assemblies  
This section does not apply to this project.

Metal Building Roof Assemblies  
This section does not apply to this project.

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPS/ Span Deck & Concrete/ Metal Panel Roofs

Table with 5 columns: Roof Type, Total Area of Roof Type (ft²), Area-weighted U-factor for Roof Type, Compliance Results Using Area-Weighted Calculation Option.

Area-Weighted Average U-factor Compliance Calculation for Metal Building Roof

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Project Address: 217 Arlington Ave Date Prepared: 3/9/2022

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**F. ROOF ASSEMBLY SCHEDULE**

This section does not apply to this project.

**G. RATED ROOFING MATERIAL (COOL ROOF)**

This table demonstrates compliance with prescriptive roof material requirements in §140.3(a)(1A) for new construction or additions, or §141.0(b)(2)(B) for alterations.

Table with 10 columns: Tag/Plan Detail ID, Name/Description, Status, Occupancy Type, Roof Slope, Roof Material, Compliance Method, Required Minimum Material Performance, Designed Material Performance, U-factor of Assembly.

**H. WALL ASSEMBLY SCHEDULE**

This table demonstrates compliance with prescriptive wall assembly requirements in §140.3(a)(2) and §140.3(a)(3) for new construction or additions, or mandatory wall assembly requirements in §141.0(b)(1)(B) for alterations.

Table with 2 columns: Indicate wall types included in the project, and checkboxes for Framed, Mass (new only), Concrete Sandwich Panel (new only), SIPS, CF (new only), Metal Panels, Metal Building, Spandrel/ Curtain Wall, Straw Bale, Log Home (new only).

FOOTNOTES: Wall types indicated above as "new only" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be checked above and compliance demonstrated within this table.

Framed Walls  
Calculate Area-Weighted Average U-factor for Metal Framed Walls¹

Include Wood Framed Walls in Area-Weighted Average U-factor Calculation¹

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Project Address: 217 Arlington Ave Date Prepared: 3/9/2022

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**H. WALL ASSEMBLY SCHEDULE**

This table demonstrates compliance with prescriptive wall assembly requirements in §140.3(a)(2) and §140.3(a)(3) for new construction or additions, or mandatory wall assembly requirements in §141.0(b)(1)(B) for alterations.

Table with 13 columns: Tag/Plan Detail ID, Occupancy & Status, How Design U-factor was determined, Location, Frame Material, Spacing & Depth, Cavity Insulation per Design, Thermal Performance Unit, Required Thermal Performance, U-factor per Design, Net Area³ ft².

FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal framed walls may not be combined with other wall types. Wood framed walls are combined with SIPS, spandrel & curtain, metal panel and straw bale wall types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.

If "R-value" is shown in cell 10 as the Thermal Performance Unit, the R-value shown here is for cavity insulation per §141.0(b)(1)(B).  
Wall area minus any fenestration area

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**Envelope Component Approach**  
NRCC-ENV-E CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ENV-E  
Project Name: Kensington Public Safety Building Report Page: (Page 7 of 15)  
Project Address: 217 Arlington Ave Date Prepared: 3/9/2022

This document is used to demonstrate compliance with mandatory requirements in §110.8(a) and §141.0(b) for newly constructed buildings, and §141.0(b)(1) for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in §140.3 for newly constructed buildings, and §141.0 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.

Project Name: Kensington Public Safety Building Report Page: (Page 7 of 15)  
Project Address: 217 Arlington Ave Date Prepared: 3/9/2022

**H. WALL ASSEMBLY SCHEDULE**

Table with 13 columns: Tag/Plan Detail ID, Occupancy & Status, How Design U-factor was determined, Location, Frame Material, Spacing & Depth, Cavity Insulation per Design, Thermal Performance Unit, Required Thermal Performance, U-factor per Design, Net Area³ ft².

FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal framed walls may not be combined with other wall types. Wood framed walls are combined with SIPS, spandrel & curtain, metal panel and straw bale wall types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.

If "R-value" is shown in cell 10 as the Thermal Performance Unit, the R-value shown here is for cavity insulation per §141.0(b)(1)(B).  
Wall area minus any fenestration area

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance  
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STATE OF CALIFORNIA  
**Envelope Component Approach**  
NRCC-ENV-E CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ENV-E  
Project Name: Kensington Public Safety Building Report Page: (Page 8 of 15)  
Project Address: 217 Arlington Ave Date Prepared: 3/9/2022

This document is used to demonstrate compliance with mandatory requirements in §110.8(a) and §141.0(b) for newly constructed buildings, and §141.0(b)(1) for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in §140.3 for newly constructed buildings, and §141.0 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.

**H. WALL ASSEMBLY SCHEDULE**

This table demonstrates compliance with prescriptive wall assembly requirements in §140.3(a)(2) and §140.3(a)(3) for new construction or additions, or mandatory wall assembly requirements in §141.0(b)(1)(B) for alterations.

Table with 13 columns: Tag/Plan Detail ID, Occupancy & Status, How Design U-factor was determined, Location, Frame Material, Spacing & Depth, Cavity Insulation per Design, Thermal Performance Unit, Required Thermal Performance, U-factor per Design, Net Area³ ft².

FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal framed walls may not be combined with other wall types. Wood framed walls are combined with SIPS, spandrel & curtain, metal panel and straw bale wall types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.

If "R-value" is shown in cell 10 as the Thermal Performance Unit, the R-value shown here is for cavity insulation per §141.0(b)(1)(B).  
Wall area minus any fenestration area

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STATE OF CALIFORNIA  
**Envelope Component Approach**  
NRCC-ENV-E CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ENV-E  
Project Name: Kensington Public Safety Building Report Page: (Page 9 of 15)  
Project Address: 217 Arlington Ave Date Prepared: 3/9/2022

This document is used to demonstrate compliance with mandatory requirements in §110.8(a) and §141.0(b) for newly constructed buildings, and §141.0(b)(1) for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in §140.3 for newly constructed buildings, and §141.0 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.

**H. WALL ASSEMBLY SCHEDULE**

This table demonstrates compliance with prescriptive wall assembly requirements in §140.3(a)(2) and §140.3(a)(3) for new construction or additions, or mandatory wall assembly requirements in §141.0(b)(1)(B) for alterations.

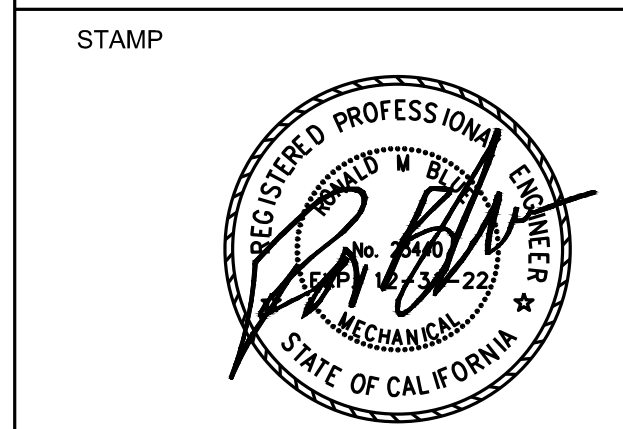
Table with 13 columns: Tag/Plan Detail ID, Occupancy & Status, How Design U-factor was determined, Location, Frame Material, Spacing & Depth, Cavity Insulation per Design, Thermal Performance Unit, Required Thermal Performance, U-factor per Design, Net Area³ ft².

FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal framed walls may not be combined with other wall types. Wood framed walls are combined with SIPS, spandrel & curtain, metal panel and straw bale wall types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.

If "R-value" is shown in cell 10 as the Thermal Performance Unit, the R-value shown here is for cavity insulation per §141.0(b)(1)(B).  
Wall area minus any fenestration area

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Job No. 21025.00



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**NO. DESCRIPTION DATE**  
ISSUED FOR BUILDING PERMIT 04-01-22

**JOB NO.**

**DESCRIPTION**  
TITLE 24 DOCUMENTS

**M003**

H. WALL ASSEMBLY SCHEDULE  
Area-Weighted Average U-factor Compliance Calculation for Wood Framed/SIPs/Spandrel/Curtain/Metal Panel/Straw Bale Wall Types

I. FLOOR ASSEMBLY SCHEDULE  
This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE  
This table demonstrates compliance with prescriptive exterior door requirements in §140.3(a)7 for new construction or additions. Doors which are being replaced (alterations) do not need to be documented in this table because there are no Title 24, Part 6 requirements that apply. Exterior doors separate conditioned space from unconditioned space or from ambient air. Doors that are more than one-half glass in area are considered Glazed Doors and should be documented on Table K with fenestration per Table B.

K. FENESTRATION AND GLAZED DOOR SCHEDULE  
This table demonstrates compliance with prescriptive fenestration requirements in §140.3(a)5 for new constructions or additions, or §140.1(b)2A for alterations. Exterior doors that are more than one-half glass in area are considered Glazed Doors and should be documented on this table with fenestration.

FOOTNOTES: Floor types indicated above as "new only" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be indicated above and compliance demonstrated within this table.

Vertical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

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K. FENESTRATION AND GLAZED DOOR SCHEDULE  
This table demonstrates compliance with prescriptive fenestration requirements in §140.3(a)5 for new constructions or additions, or §140.1(b)2A for alterations. Exterior doors that are more than one-half glass in area are considered Glazed Doors and should be documented on this table with fenestration.

FOOTNOTES: Floor types indicated above as "new only" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be indicated above and compliance demonstrated within this table.

L. DAYLIGHT IN LARGE ENCLOSED SPACES  
This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION  
Selections have been made based on information provided in this document. If any selection has been changed by the permit applicant, an explanation should be included in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019\_compliance\_documents/Nonresidential\_Documents/NR/C/

Field Inspector Pass/Fail table

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE  
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, form user must provide an explanation in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019\_compliance\_documents/Nonresidential\_Documents/NR/C/

Field Inspector Pass/Fail table

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K. FENESTRATION AND GLAZED DOOR SCHEDULE  
Vertical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

Table with 11 columns: Tag/Plan Detail ID, Fenestration Type, Occupancy & Status, RSHGC Compliance Method, VT Compliance Method, Calculation Method for Performance Values per Design, Product Performance Unit, Required Product Performance, Product Performance per Design, Area Ft.

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K. FENESTRATION AND GLAZED DOOR SCHEDULE  
Vertical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

Table with 11 columns: Tag/Plan Detail ID, Fenestration Type, Occupancy & Status, RSHGC Compliance Method, VT Compliance Method, Calculation Method for Performance Values per Design, Product Performance Unit, Required Product Performance, Product Performance per Design, Area Ft.

FOOTNOTES: If any individual fenestration product is non-compliant, products may show compliance using an area-weighted calculation. Chromogenic glazing is not included in area-weighted calculations. Area-weighted calculation shown in separate area-weighted table below.

The IAS Default Calculation can only be used for buildings with less than 200ft² of site built glazing. If the project has greater than 200ft², the only options for determining fenestration values are NFRC Certification or the Default Tables in 110.6.

Overhangs must extend past the left and right window the same distance as the depth of the overhang or greater to show an effect on the RSHGC. If an overhang does not meet this requirement, the effect of the overhang will be ignored.

Projecting includes casement and awning windows.

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K. FENESTRATION AND GLAZED DOOR SCHEDULE  
Area-Weighted Average U-factor, SHGC, VT Compliance Calculation for Vertical Fenestration And Glazed Doors

Table with 5 columns: Product Performance Unit, Total Area of Fenestration (ft²), Area-weighted Calculation for Fenestration, Compliance Results Using Area-Weighted Calculation Option

L. DAYLIGHT IN LARGE ENCLOSED SPACES  
This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION  
Selections have been made based on information provided in this document. If any selection has been changed by the permit applicant, an explanation should be included in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019\_compliance\_documents/Nonresidential\_Documents/NR/C/

Field Inspector Pass/Fail table

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Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, form user must provide an explanation in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019\_compliance\_documents/Nonresidential\_Documents/NR/C/

Field Inspector Pass/Fail table

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT  
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Signature: List Engineering Company  
RESPONSIBLE PERSON'S DECLARATION STATEMENT  
I certify the following under penalty of perjury, under the laws of the State of California:  
1. The information provided on this Certificate of Compliance is true and correct.  
2. I am eligible under Division 9 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).  
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.  
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.  
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner provides to the building owner at occupancy.

Registration Number: Registration Date/Time: Registration Provider: Energysoft  
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23  
Schema Version: rev 20200601

A. GENERAL INFORMATION  
01 Project Location (city): Kensington  
02 Climate Zone: 3  
03 Occupancy Types Within Project: 1

B. PROJECT SCOPE  
This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6, or §141.0(b)2 for alterations.

Table with 3 columns: 01 Air System(s), 02 Wet System Components, 03 Dry System Components

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C. COMPLIANCE RESULTS  
Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, or the table indicated as not compliant for guidance.

Table with 9 columns: 01 System Summary, 02 Pumps, 03 Fans/Economizers, 04 System Controls, 05 Ventilation, 06 Terminal Box Controls, 07 Distribution, 08 Cooling Towers, 09 Compliance Results

D. EXCEPTIONAL CONDITIONS  
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS  
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)  
This table is used to demonstrate compliance for mechanical equipment with mandatory requirements found in §110.1 and §110.2(a) and prescriptive requirements found in §140.4(a), §140.4(b), and §140.4(c) or §141.0(b)2 for alterations.

Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters)  
Table with 11 columns: 01 Name or Item Tag, 02 Equipment Category per Tables 110.2, 03 Equipment Type per Tables 110.2 / Title 20, 04 Smallest Size Available, 05 Per Design, 06 Rated, 07 Supp. Heating Output, 08 Sensible Per Design, 09 Rated, 10 Total Heating Load, 11 Total Sensible Cooling Load

FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per §140.4(a). Healthcare facilities are exempt.  
It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.  
If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.  
Authority Having Jurisdiction may ask for load calculations used for compliance per §140.4(d).

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NO. DESCRIPTION DATE

ISSUED FOR BUILDING PERMIT 04-01-22

JOB NO.

DESCRIPTION  
TITLE 24 DOCUMENTS

M004

| F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)   |                       |                       |                 |   |                   |                 |   |                   |
|--|-----------------------|-----------------------|-----------------|---|-------------------|-----------------|---|-------------------|
| Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP)) |                       |                       |                 |   |                   |                 |   |                   |
| 01   | 02                    | 03                    | 04              | 05  | 06                | 07              | 08  | 09                |
| Name or Item Tag   | Size Category (Btu/h) | Rating Condition (°F) | Efficiency Unit | Minimum Efficiency Required per Tables 110.2 / Title 20 | Design Efficiency | Efficiency Unit | Minimum Efficiency Required per Tables 110.2 / Title 20 | Design Efficiency |
| OU-1   | <65,000               | 47 °Fdb/ 43 °Fwb OSA  | HSPF            | 7.7   | 10.45             | SEER            | 13.0  | 17.7              |
| OU-2   | <65,000               | 47 °Fdb/ 43 °Fwb OSA  | HSPF            | 7.7   | 10.45             | SEER            | 13.0  | 17.7              |
| OU-3   | <65,000               | 47 °Fdb/ 43 °Fwb OSA  | HSPF            | 7.7   | 10.45             | SEER            | 13.0  | 17.7              |
| OU-4 (Cooling only)  | <65,000               | 47 °Fdb/ 43 °Fwb OSA  | HSPF            | 7.7   | 10.45             | SEER            | 13.0  | 17                |

**G. PUMPS**  
 This section does not apply to this project.

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| H. FAN SYSTEMS & AIR ECONOMIZERS  |              |                         |                                     |                            |                                |  |                 |                                     |
|---|--------------|-------------------------|-------------------------------------|----------------------------|--------------------------------|--|-----------------|-------------------------------------|
| This table is used to demonstrate compliance with prescriptive requirements found in §140.4(c), §140.4(e) and §140.4(m) for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H. |              |                         |                                     |                            |                                |  |                 |                                     |
| System Name   | OU-1         | Economizer <sup>2</sup> | NA: Special OA Filtration           | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                                    | Constant Volume |                                     |
| 01  | 02           | 03                      | 04                                  | 05                         | 06                             | 07   | 08              | 09                                  |
| Fan Name or Item Tag  | Fan Function | Qty                     | Maximum Design Supply Airflow (CFM) | HP Unit <sup>2</sup>       | Design HP                      | Fan Power Pressure Drop Adjustment - Table 140.4-B | Device          | Design Airflow through Device (CFM) |
| EF  | Exhaust      | 1                       | 630                                 | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| Total System Design Supply Airflow (CFM):   |              |                         | 630                                 | Total System Design (BHP): | 0                              | Maximum System Fan Power (BHP):                    | 0               |                                     |

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 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Schema Version: rev 20200601 Report Generated: 2022-03-09 14:15:23

| H. FAN SYSTEMS & AIR ECONOMIZERS  |              |                         |                                     |                            |                                |  |                 |                                     |
|---|--------------|-------------------------|-------------------------------------|----------------------------|--------------------------------|--|-----------------|-------------------------------------|
| This table is used to demonstrate compliance with prescriptive requirements found in §140.4(c), §140.4(e) and §140.4(m) for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H. |              |                         |                                     |                            |                                |  |                 |                                     |
| System Name   | OU-2         | Economizer <sup>2</sup> | NA: Special OA Filtration           | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                                    | Constant Volume |                                     |
| 01  | 02           | 03                      | 04                                  | 05                         | 06                             | 07   | 08              | 09                                  |
| Fan Name or Item Tag  | Fan Function | Qty                     | Maximum Design Supply Airflow (CFM) | HP Unit <sup>2</sup>       | Design HP                      | Fan Power Pressure Drop Adjustment - Table 140.4-B | Device          | Design Airflow through Device (CFM) |
| EF  | Exhaust      | 1                       | 490                                 | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| Total System Design Supply Airflow (CFM):   |              |                         | 490                                 | Total System Design (BHP): | 0                              | Maximum System Fan Power (BHP):                    | 0               |                                     |
| System Name   | OU-3         | Economizer <sup>2</sup> | NA: Special OA Filtration           | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                                    | Constant Volume |                                     |
| 01  | 02           | 03                      | 04                                  | 05                         | 06                             | 07   | 08              | 09                                  |
| Fan Name or Item Tag  | Fan Function | Qty                     | Maximum Design Supply Airflow (CFM) | HP Unit <sup>2</sup>       | Design HP                      | Fan Power Pressure Drop Adjustment - Table 140.4-B | Device          | Design Airflow through Device (CFM) |
| EF  | Exhaust      | 1                       | 445                                 | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| EF  | Exhaust      | 1                       | 0                                   | BHP                        | 0                              |  |                 |                                     |
| Total System Design Supply Airflow (CFM):   |              |                         | 445                                 | Total System Design (BHP): | 0                              | Maximum System Fan Power (BHP):                    | 0               |                                     |

Registration Number: Registration Date/Time: Registration Provider: Energysoft  
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| H. FAN SYSTEMS & AIR ECONOMIZERS  |                     |                         |                                     |                            |                                |  |                 |                                     |
|---|---------------------|-------------------------|-------------------------------------|----------------------------|--------------------------------|--|-----------------|-------------------------------------|
| This table is used to demonstrate compliance with prescriptive requirements found in §140.4(c), §140.4(e) and §140.4(m) for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H. |                     |                         |                                     |                            |                                |  |                 |                                     |
| System Name   | OU-4 (Cooling only) | Economizer <sup>2</sup> | NA: <=54 kBtu/h cooling             | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                                    | Constant Volume |                                     |
| 01  | 02                  | 03                      | 04                                  | 05                         | 06                             | 07   | 08              | 09                                  |
| Fan Name or Item Tag  | Fan Function        | Qty                     | Maximum Design Supply Airflow (CFM) | HP Unit <sup>2</sup>       | Design HP                      | Fan Power Pressure Drop Adjustment - Table 140.4-B | Device          | Design Airflow through Device (CFM) |
| Total System Design Supply Airflow (CFM):   |                     |                         | 0                                   | Total System Design (BHP): | 0                              | Maximum System Fan Power (BHP):                    | 0               |                                     |

<sup>1</sup> FOOTNOTES: Computer room economizers must meet requirements of §140.9(a) and will be documented on the NRCC-PRC-E document.  
<sup>2</sup> The unit used for HP must be consistent for all fans within a system.

**I. SYSTEM CONTROLS**  
 This table is used to demonstrate compliance with mandatory controls in §110.2 and §120.2 and prescriptive controls in §140.4(f) and (n) or requirements in §141.0(b)(2) for altered space conditioning systems.

| System Name         | System Zoning             | Conditioned Floor Area Being Served (ft²) | Thermostats §110.2(b) & (c) <sup>2</sup> , §120.2(a)(b) or §141.0(b)(2) | Shut-Off Controls §120.2(e) | Isolation Zone Controls §120.2(a) | Demand Response §110.12 and §120.2(b) | Supply Air Temp. Reset §140.4(f) | Window Interlocks per §140.4(n) |
|---------------------|---------------------------|---|---|-----------------------------|-----------------------------------|---------------------------------------|----------------------------------|---------------------------------|
| OU-1                | Multi-zone w/ DDC to zone | <= 25,000 ft²                             | EMCS  | NA: 7 day per §120.2(e)(1)  | 4 Hour Timer                      | EMCS                                  | NA: Alteration                   | NA: Alteration Project          |
| OU-2                | Multi-zone w/ DDC to zone | <= 25,000 ft²                             | Setback   | Auto Timer Switch           | 4 Hour Timer                      | EMCS                                  | Included                         | Provided                        |
| OU-3                | Multi-zone w/ DDC to zone | <= 25,000 ft²                             | Setback   | Auto Timer Switch           | 4 Hour Timer                      | EMCS                                  | Included                         | Provided                        |
| OU-4 (Cooling only) | Multi-zone w/ DDC to zone | <= 25,000 ft²                             | EMCS  | NA: 7 day per §120.2(e)(1)  | 4 Hour Timer                      | EMCS                                  | NA: Alteration                   | NA: Alteration Project          |

Registration Number: Registration Date/Time: Registration Provider: Energysoft  
 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Schema Version: rev 20200601 Report Generated: 2022-03-09 14:15:23

| I. VENTILATION AND INDOOR AIR QUALITY   |         |                         |                           |                            |                                |                                 |                 |    |
|---|---------|-------------------------|---------------------------|----------------------------|--------------------------------|---------------------------------|-----------------|----|
| This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 and §120.2(e)(3) for all nonresidential, high-rise residential and hotel/motel occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet. |         |                         |                           |                            |                                |                                 |                 |    |
| 01  | 02      | 03                      | 04                        | 05                         | 06                             | 07                              | 08              | 09 |
| System Name   | OU-1    | Economizer <sup>2</sup> | NA: Special OA Filtration | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                 | Constant Volume |    |
| EF  | Exhaust | 1                       | 630                       | BHP                        | 0                              |                                 |                 |    |
| EF  | Exhaust | 1                       | 0                         | BHP                        | 0                              |                                 |                 |    |
| EF  | Exhaust | 1                       | 0                         | BHP                        | 0                              |                                 |                 |    |
| EF  | Exhaust | 1                       | 0                         | BHP                        | 0                              |                                 |                 |    |
| EF  | Exhaust | 1                       | 0                         | BHP                        | 0                              |                                 |                 |    |
| Total System Design Supply Airflow (CFM):   |         |                         | 630                       | Total System Design (BHP): | 0                              | Maximum System Fan Power (BHP): | 0               |    |

Registration Number: Registration Date/Time: Registration Provider: Energysoft  
 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Schema Version: rev 20200601 Report Generated: 2022-03-09 14:15:23

| I. VENTILATION AND INDOOR AIR QUALITY   |                            |                         |                                     |                            |                                |  |                                       |   |
|---|----------------------------|-------------------------|-------------------------------------|----------------------------|--------------------------------|--|---------------------------------------|---|
| This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 and §120.2(e)(3) for all nonresidential, high-rise residential and hotel/motel occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet. |                            |                         |                                     |                            |                                |  |                                       |   |
| 01  | 02                         | 03                      | 04                                  | 05                         | 06                             | 07   | 08                                    | 09  |
| System Name   | OU-1                       | Economizer <sup>2</sup> | NA: Special OA Filtration           | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                                    | Constant Volume                       |   |
| Administ  | Office space               | 253                     |                                     | 2                          | 30                             | 0  | 40                                    | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Meeting   | Lecture hall (fixed seats) | 390                     |                                     | 30                         | 450                            | 0  | 450                                   | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Lobby   | Corridor                   | 115                     |                                     | 0                          | 0                              | 0  | 60                                    | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Hall 1  | Corridor                   | 190                     |                                     | 28.5                       | 0                              | 50   |                                       | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Total System Required Min OA CFM  |                            |                         | 579                                 |                            | 18                             |  | Ventilation for this System Complies? | Yes   |
| System Name   | OU-2                       | Economizer <sup>2</sup> | NA: Special OA Filtration           | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                                    | Constant Volume                       |   |
| 01  | 02                         | 03                      | 04                                  | 05                         | 06                             | 07   | 08                                    | 09  |
| Fan Name or Item Tag  | Fan Function               | Qty                     | Maximum Design Supply Airflow (CFM) | HP Unit <sup>2</sup>       | Design HP                      | Fan Power Pressure Drop Adjustment - Table 140.4-B | Device                                | Design Airflow through Device (CFM)                                 |
| EF  | Exhaust                    | 1                       | 445                                 | BHP                        | 0                              |  |                                       |   |
| EF  | Exhaust                    | 1                       | 0                                   | BHP                        | 0                              |  |                                       |   |
| EF  | Exhaust                    | 1                       | 0                                   | BHP                        | 0                              |  |                                       |   |
| EF  | Exhaust                    | 1                       | 0                                   | BHP                        | 0                              |  |                                       |   |
| Total System Design Supply Airflow (CFM):   |                            |                         | 445                                 | Total System Design (BHP): | 0                              | Maximum System Fan Power (BHP):                    | 0                                     |   |

Registration Number: Registration Date/Time: Registration Provider: Energysoft  
 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Schema Version: rev 20200601 Report Generated: 2022-03-09 14:15:23

| I. VENTILATION AND INDOOR AIR QUALITY   |                               |                         |                                     |                            |                                |  |                                       |   |
|---|-------------------------------|-------------------------|-------------------------------------|----------------------------|--------------------------------|--|---------------------------------------|---|
| This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 and §120.2(e)(3) for all nonresidential, high-rise residential and hotel/motel occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet. |                               |                         |                                     |                            |                                |  |                                       |   |
| 01  | 02                            | 03                      | 04                                  | 05                         | 06                             | 07   | 08                                    | 09  |
| System Name   | OU-3                          | Economizer <sup>2</sup> | NA: Special OA Filtration           | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                                    | Constant Volume                       |   |
| Dorm 2  | All others                    | 148                     |                                     | 3                          | 45                             | 0  | 50                                    | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Dorm 3  | All others                    | 148                     |                                     | 3                          | 45                             | 0  | 50                                    | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Hall 3 + Bath 1 + Bath 2 + Laundry  | All others                    | 305                     |                                     | 3.1816816 / 8168168        | 45                             | 0  | 100                                   | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Hall 2  | Corridor                      | 250                     |                                     |                            | 37.5                           | 0  | 50                                    | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Exercise  | Gym/ sports arena (play area) | 282                     |                                     | 5                          | 75                             | 0  | 190                                   | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Total System Required Min OA CFM  |                               |                         | 361                                 |                            | 18                             |  | Ventilation for this System Complies? | Yes   |
| System Name   | OU-3                          | Economizer <sup>2</sup> | NA: Special OA Filtration           | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                                    | Constant Volume                       |   |
| 01  | 02                            | 03                      | 04                                  | 05                         | 06                             | 07   | 08                                    | 09  |
| Fan Name or Item Tag  | Fan Function                  | Qty                     | Maximum Design Supply Airflow (CFM) | HP Unit <sup>2</sup>       | Design HP                      | Fan Power Pressure Drop Adjustment - Table 140.4-B | Device                                | Design Airflow through Device (CFM)                                 |
| EF  | Exhaust                       | 1                       | 345                                 | BHP                        | 0                              |  |                                       |   |
| Total System Design Supply Airflow (CFM):   |                               |                         | 345                                 | Total System Design (BHP): | 0                              | Maximum System Fan Power (BHP):                    | 0                                     |   |

Registration Number: Registration Date/Time: Registration Provider: Energysoft  
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| I. VENTILATION AND INDOOR AIR QUALITY   |                     |                         |                                     |                            |                                |  |                                       |   |
|---|---------------------|-------------------------|-------------------------------------|----------------------------|--------------------------------|--|---------------------------------------|---|
| This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 and §120.2(e)(3) for all nonresidential, high-rise residential and hotel/motel occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet. |                     |                         |                                     |                            |                                |  |                                       |   |
| 01  | 02                  | 03                      | 04                                  | 05                         | 06                             | 07   | 08                                    | 09  |
| System Name   | OU-4 (Cooling only) | Economizer <sup>2</sup> | NA: Special OA Filtration           | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                                    | Constant Volume                       |   |
| Kitchen   | Kitchenettes        | 570                     |                                     | 3                          | 45                             | 171  | 115                                   | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Day Room  | Break room          | 480                     |                                     | 3                          | 45                             | 0  | 240                                   | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Captain's Office  | Office space        | 130                     |                                     | 2                          | 30                             | 0  | 60                                    | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Office  | Office space        | 130                     |                                     | 2                          | 30                             | 0  | 30                                    | NA: Not required per §120.1(d)(3), §120.1(d)(5), and §120.1(e)(3) * |
| Total System Required Min OA CFM  |                     |                         | 345                                 |                            | 18                             |  | Ventilation for this System Complies? | Yes   |
| System Name   | OU-4 (Cooling only) | Economizer <sup>2</sup> | NA: Special OA Filtration           | Economizer Controls        | Designed per §140.4(e) and (m) | System Fan Type                                    | Constant Volume                       |   |
| 01  | 02                  | 03                      | 04                                  | 05                         | 06                             | 07   | 08                                    | 09  |
| Fan Name or Item Tag  | Fan Function        | Qty                     | Maximum Design Supply Airflow (CFM) | HP Unit <sup>2</sup>       | Design HP                      | Fan Power Pressure Drop Adjustment - Table 140.4-B | Device                                | Design Airflow through Device (CFM)                                 |
| EF  | Exhaust             | 1                       | 0                                   | BHP                        | 0                              |  |                                       |   |
| Total System Design Supply Airflow (CFM):   |                     |                         | 0                                   | Total System Design (BHP): | 0                              | Maximum System Fan Power (BHP):                    | 0                                     |   |

Registration Number: Registration Date/Time: Registration Provider: Energysoft  
 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Schema Version: rev 20200601 Report Generated: 2022-03-09 14:15:23

| I. VENTILATION AND INDOOR AIR QUALITY   |            |                         |                           |                     |                                |                 |                 |  |
|---|------------|-------------------------|---------------------------|---------------------|--------------------------------|-----------------|-----------------|--|
| This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 and §120.2(e)(3) for all nonresidential, high-rise residential and hotel/motel occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet. |            |                         |                           |                     |                                |                 |                 |  |
| 01  | 02         | 03                      | 04                        | 05                  | 06                             | 07              | 08              | 09   |
| System Name   | OU-2       | Economizer <sup>2</sup> | NA: Special OA Filtration | Economizer Controls | Designed per §140.4(e) and (m) | System Fan Type | Constant Volume |  |
| Dorm 1  | All others | 148                     |                           | 3                   | 45                             | 0               | 50              | NA: Not required per §120.1(d)(3), §120.1(d)(5), and § |

L. DISTRIBUTION (DUCTWORK AND PIPING)
Table with 4 columns: Question, Answer, Description, and Remarks. Includes questions about ductwork in unconditioned spaces, asbestos, and sealing requirements.

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L. DISTRIBUTION (DUCTWORK AND PIPING)
Table with 4 columns: Question, Answer, Description, and Remarks. Includes questions about ductwork in unconditioned spaces, asbestos, and sealing requirements.

M. COOLING TOWERS
This section does not apply to this project.

Registration Number: Registration Date/Time: Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003
Schema Version: rev 20200601 Report Generated: 2022-03-09 14:15:23

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table with 4 columns: Yes, No, Form/Title, Field Inspector (Pass/Fail). Includes NRCH-MCH-01-E - Must be submitted for all buildings.

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Table with 4 columns: Yes, No, Form/Title, Field Inspector (Pass/Fail). Includes NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units.

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE (continued)
Table with 4 columns: Yes, No, Form/Title, Field Inspector (Pass/Fail). Includes NRCA-MCH-03-A through NRCA-MCH-11-A.

Registration Number: Registration Date/Time: Registration Provider: Energysoft
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P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Table with 4 columns: Yes, No, Form/Title, Field Inspector (Pass/Fail). Includes NRCA-MCH-12-A through NRCA-MCH-21 Multi-Family Envelope Leakage.

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
Table with 4 columns: Yes, No, Form/Title, Field Inspector (Pass/Fail). Includes NRCV-MCH-04-H Duct Leakage Test, NRCV-MCH-24 Enclosure Air Leakage Worksheet, etc.

Registration Number: Registration Date/Time: Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003
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Q. MANDATORY MEASURES DOCUMENTATION LOCATION
Table with 2 columns: 01, 02. Includes Compliance with Mandatory Measures documented through MCH and Mandatory Measures Note Block.

Registration Number: Registration Date/Time: Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003
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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: List Engineering Company
Address: 2 Harris Ct, Suite A7, Monterey, CA 93940

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1, and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building. It shall be made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation submitted to the building owner at occupancy.
Responsible Designer Name: Ron Blue
Company: List Engineering Company
Address: 2 Harris Ct, Suite A7, Monterey, CA 93940

Registration Number: Registration Date/Time: Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003
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List Engineering
Mechanical Consultants
2 Harris Court Suite A7, Monterey, CA 93940
Telephone (831) 373-4390 / Facsimile (831) 373-6522
www.listengineering.com © LEC 2021
Job No. 21025.00



PROJECT ADDRESS
217 ARLINGTON AVE.
KENSINGTON, CA, 94707

- PROJECT TEAM
CLIENT: KENSINGTON FIRE PROTECTION DISTRICT
ARCHITECT: MARJIANG ARCHITECTURE
STRUCTURAL: ZFA STRUCTURAL ENGINEERS
CIVIL: BKF ENGINEERS
GEOTECH: HALEY ALDRICH
MEP: LIST ENGINEERING CO.
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
ESTIMATOR: MICROESTIMATION INC.

NO. DESCRIPTION DATE
ISSUED FOR BUILDING PERMIT 04-01-22

JOB NO.

DESCRIPTION
TITLE 24 DOCUMENTS

M006





**SHEET NOTES**

- COORDINATE WITH STRUCTURAL BEFORE PENETRATING SHEAR WALLS.
- DEMOLISH ALL (E) MECHANICAL EQUIPMENT AND DUCTING, EXCEPT (E) VEHICLE ENGINE EXHAUST EXTRACT SYSTEM.
- PROTECT AND RETAIN (E) VEHICLE ENGINE EXHAUST EXTRACTION SYSTEM.

**List Engineering**  
 Mechanical Consultants  
 2 Harris Court Suite A7, Monterey, CA 93940  
 Telephone (831) 373-4390 / Facsimile (831) 373-6522  
 www.listengineering.com © LEC 2021  
 Job No. 21025.00

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA, 94707**

PROJECT TEAM

**CLIENT:** KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

**ARCHITECT:** MARJIANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94107  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

**STRUCTURAL:** ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

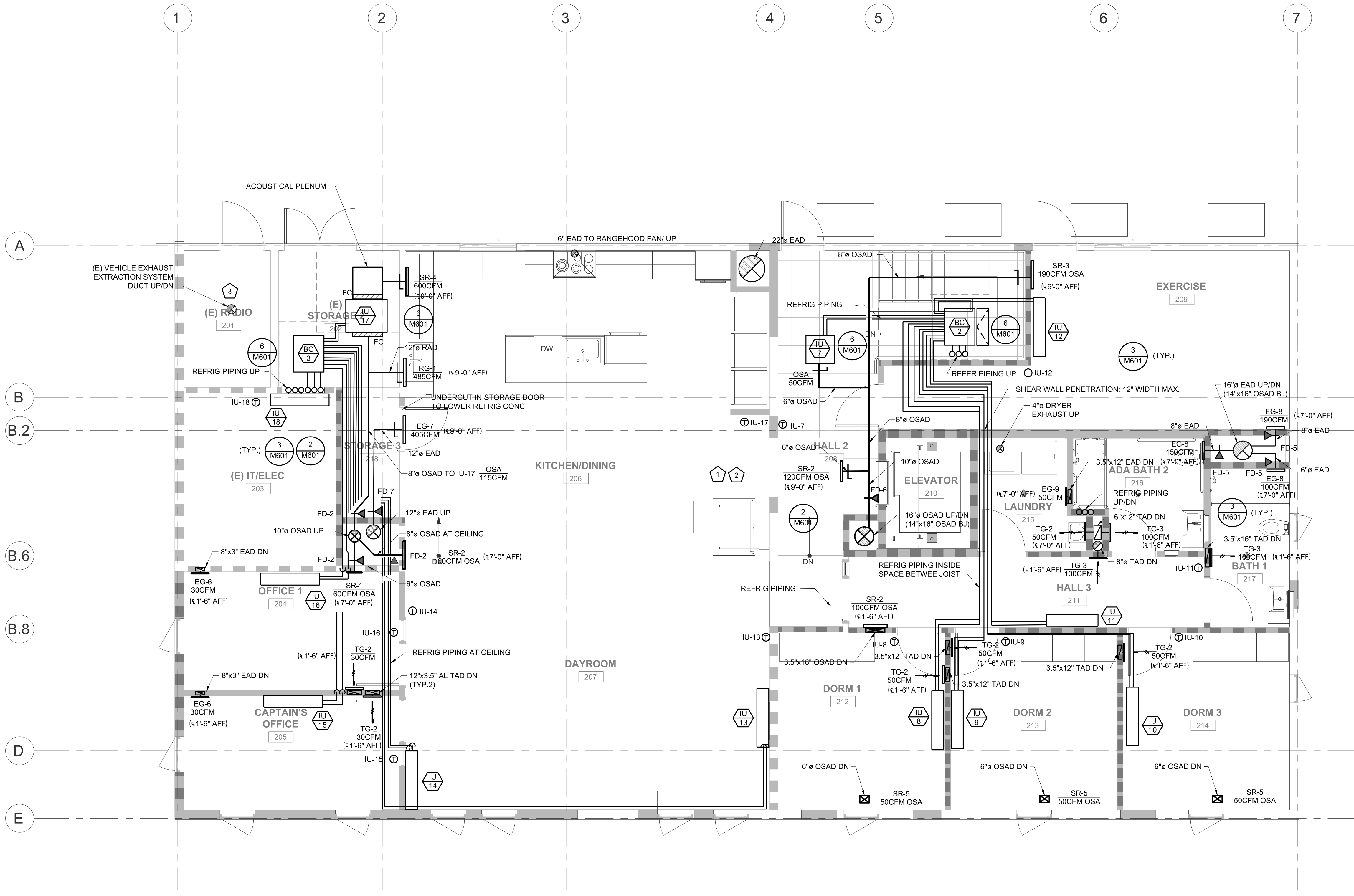
**CIVIL:** BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

**GEOTECH:** HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

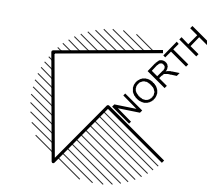
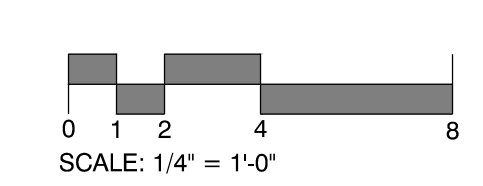
**MEP:** LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

**AUDIO/VISUAL:** SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

**ESTIMATOR:** MICROESTIMATION INC.  
 850 S. VAN NESS AVE #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626



**1 SECOND FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"



| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |
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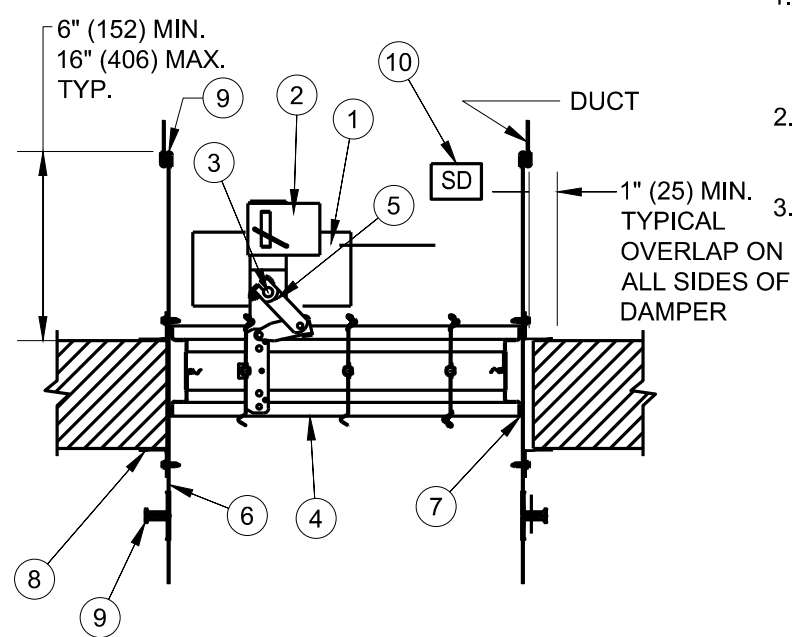
JOB NO.

DESCRIPTION  
 MECHANICAL SECOND FLOOR PLAN

**M202**



- ITEM DESCRIPTION
- ACTUATOR (LOCATION MAY VARY). DAMPER MAY BE SUPPLIED WITHOUT ACTUATOR INSTALLED. UL LISTED FIRE DAMPER ACTUATORS MAY BE FIELD INSTALLED IF PROPERLY LABELED. SEE ACTUATOR INSTALLATION INSTRUCTIONS FOR FIELD MOUNTING OF DAMPER ACTUATORS.
  - OPTIONAL FIRESTAT OR SWITCH
  - AUXILIARY OPERATING JACK SHAFT
  - DAMPER
  - OVER CENTER LOCK
  - SLEEVE
  - CAULKING MATERIAL (MAY BE ON EITHER SIDE OF DAMPER FRAME)
  - PFMA OR CONVENTIONAL MOUNTING ANGLES
  - S-JOINT/DUCT MATE, SLEEVE TO DUCT
  - SMOKE DETECTOR WITHIN 5' BEFORE ANY BRANCHING



**FIRE SMOKE DAMPER CONTROL SEQUENCE OF OPERATION FOR FIRE SMOKE DAMPERS**

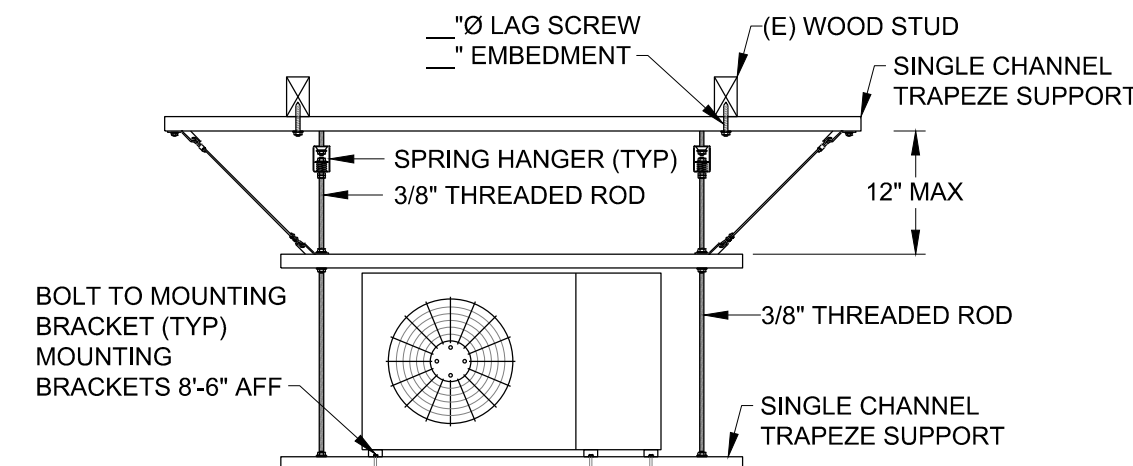
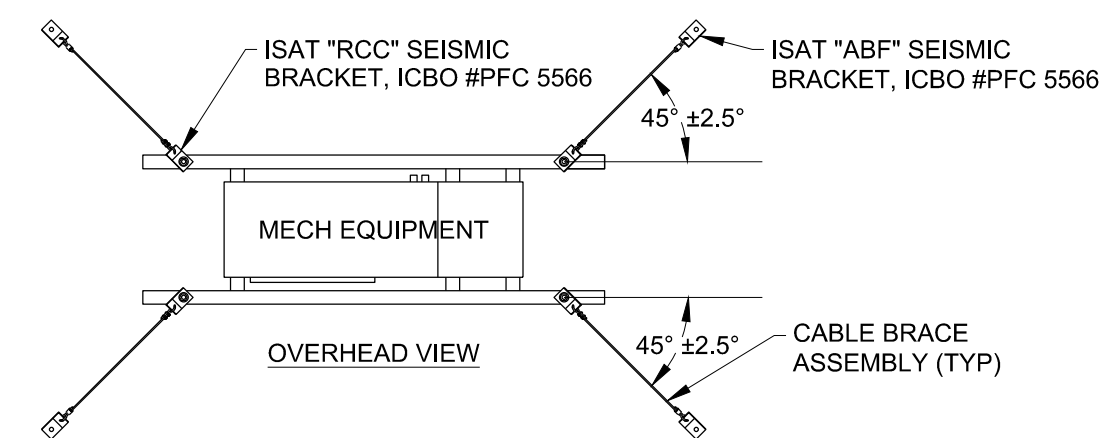
- SUPPLY APPROPRIATE PNEUMATIC OR ELECTRICAL POWER TO DAMPER. (240VAC OR 120VAC)
- DAMPER BLADES ARE OPEN WHEN POWER IS APPLIED.
- FIRE/SMOKE DAMPER IN SUPPLY DUCT WILL CLOSE UPON LOSS OF POWER AND/OR SMOKE DETECTION SIGNAL FROM AIR DUCT SMOKE DETECTOR LOCATED IN THE SUPPLY DUCT OF EACH MECHANICAL UNIT. FIRE/SMOKE DAMPERS IN CEILING RETURN AIR PLENUM WALLS SHALL CLOSE WHEN RESPECTIVE AREA SMOKE DETECTOR IS ACTIVATED. INTERLOCK WILL ALSO SHUT DOWN MECHANICAL UNITS. INTERFACE WITH SUPPLY FAN PRESSURE OR FLOW SWITCH TO CLOSE DAMPERS WHEN UNIT IS NOT IN OPERATION. WHEN POWER IS RESTORED DAMPER WILL AUTOMATICALLY RE-OPEN.

- DAMPER WILL CLOSE IF TEMPERATURE EXCEED 165°F (TEMPERATURE RATING OF THERMAL DISK). THE DAMPER WILL NOT RE-OPEN UNTIL THE THERMAL DISC HEAT SENSOR IS RESET. THE THERMAL RESET BUTTON ALLOWS THE DAMPER TO BE RESET FROM OUTSIDE THE SLEEVE.

THE SMOKE DAMPER RESPONSE TIMES SHALL MEET THE REQUIREMENTS OF CBC SECTION 905.14

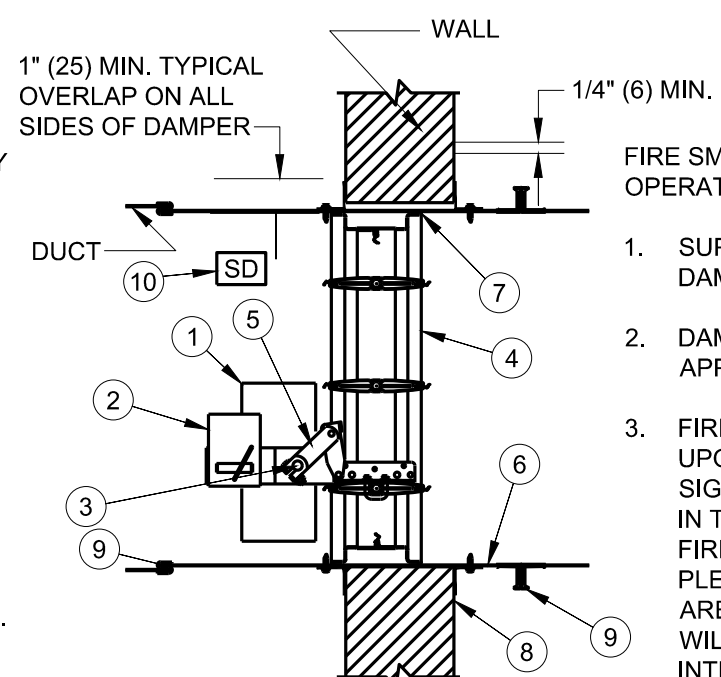
WHERE SMOKE DETECTORS DEPEND UPON A MINIMAL AIR VELOCITY TO OPERATE ARE INSTALLED IN DUCT FOR THE ACTUATION OF THE SMOKE DAMPER. THE SMOKE DAMPERS SHALL BE CONNECTED SUCH THAT WHEN THERE IS NO AIR MOVEMENT THROUGH THE DUCT, THE SMOKE DAMPER SHALL CLOSE.

SMOKE DETECTORS, ESPECIALLY THE SAMPLING TUBE TYPE, ARE DEPENDENT UPON AIR FLOW TO MOVE SMOKE INTO THE DETECTOR'S SAMPLING CHAMBER. WHEN AIR HANDLING UNITS ARE SHUT DOWN IT IS IMPORTANT THAT ALL SMOKE DAMPERS IN THE DUCT SYSTEM SERVED BY THAT AIR HANDLER, CLOSE. THIS WILL ENSURE THE SMOKE TIGHT INTEGRITY OF THE FIRE AD SMOKE BARRIER SEPARATIONS AT THE DUCT PENETRATION IS MAINTAINED.



**6 BLOWER COIL/FAN MOUNTING DETAIL**  
M601 NO SCALE

- ITEM DESCRIPTION
- ACTUATOR (LOCATION MAY VARY). DAMPER MAY BE SUPPLIED WITHOUT ACTUATOR INSTALLED. RUSKIN'S UL LISTED FIRE DAMPER ACTUATORS MAY BE FIELD INSTALLED IF PROPERLY LABELED. SEE ACTUATOR INSTALLATION INSTRUCTIONS FOR FIELD MOUNTING OF DAMPER ACTUATORS.
  - OPTIONAL FIRESTAT OR SWITCH.
  - AUXILIARY OPERATING JACK SHAFT.
  - DAMPER.
  - OVER CENTER LOCK
  - SLEEVE
  - CAULKING MATERIAL (MAY BE ON EITHER SIDE OF DAMPER FRAME).
  - PFMA OR CONVENTIONAL MOUNTING ANGLES.
  - S-JOINT/DUCT MATE, SLEEVE TO DUCT.
  - SMOKE DETECTOR WITHIN 5' WITHOUT BRANCHING BETWEEN SMOKE DETECTOR AND DAMPER.



**FIRE SMOKE DAMPER CONTROL SEQUENCE OF OPERATION FOR FIRE SMOKE DAMPERS**

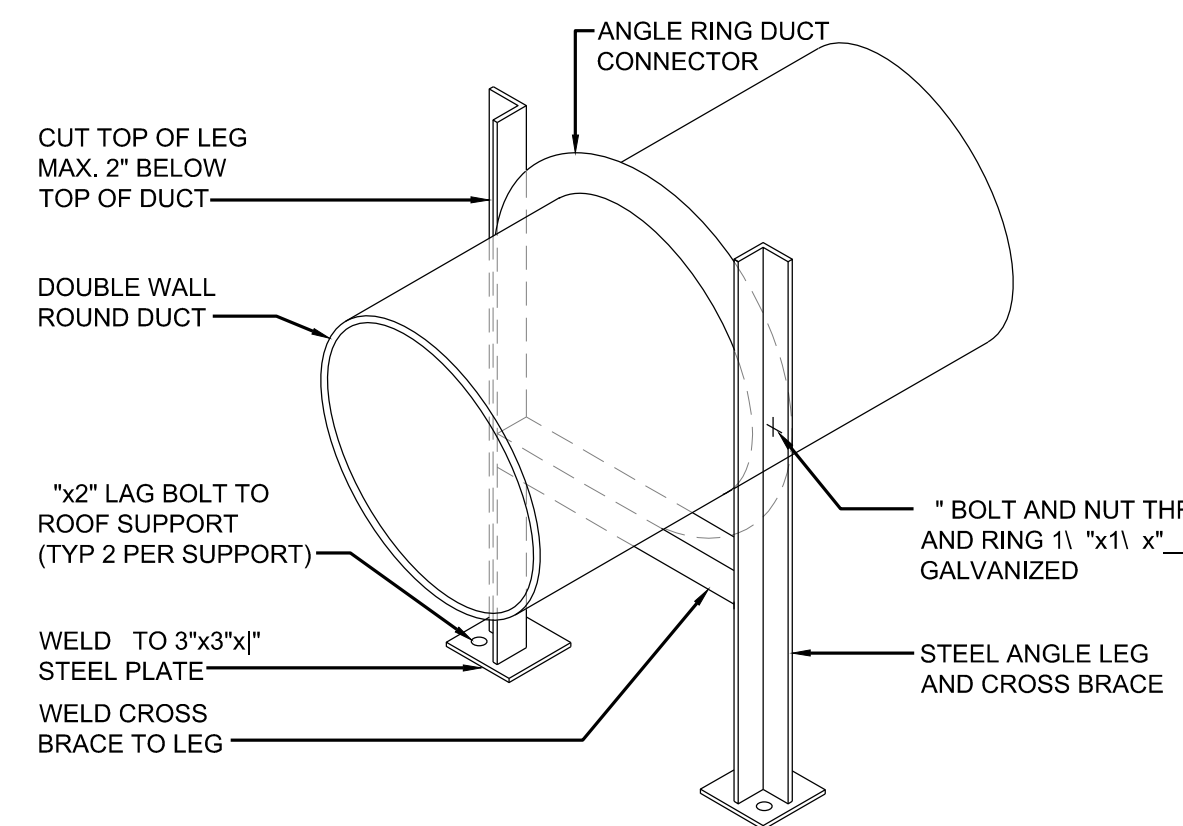
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- DAMPER BLADES ARE OPEN WHEN POWER IS APPLIED.
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- DAMPER WILL CLOSE IF TEMPERATURE EXCEED 165°F (TEMPERATURE RATING OF THERMAL DISK). THE DAMPER WILL NOT RE-OPEN UNTIL THE THERMAL DISC HEAT SENSOR IS RESET. THE THERMAL RESET BUTTON ALLOWS THE DAMPER TO BE RESET FROM OUTSIDE THE SLEEVE.

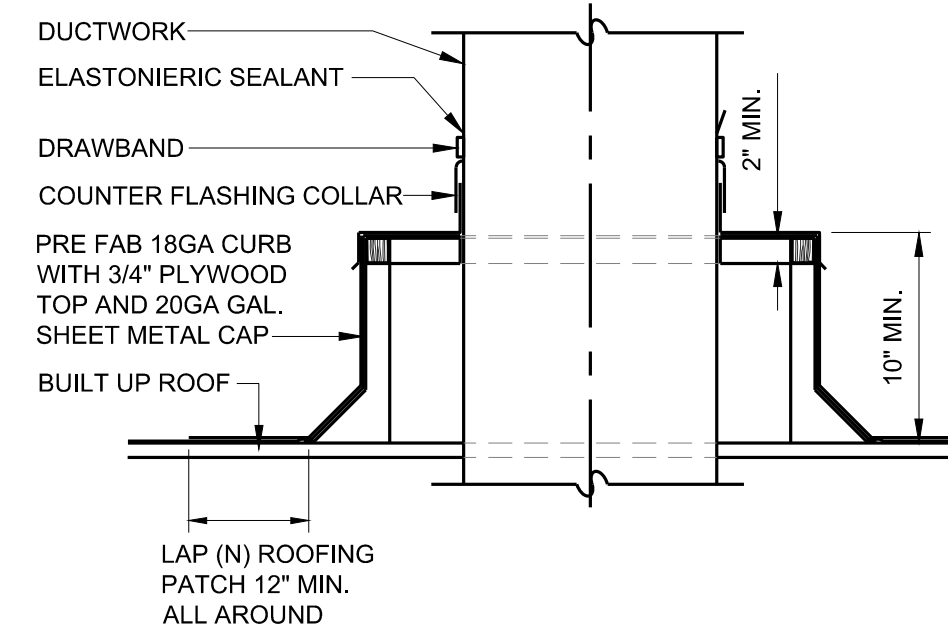
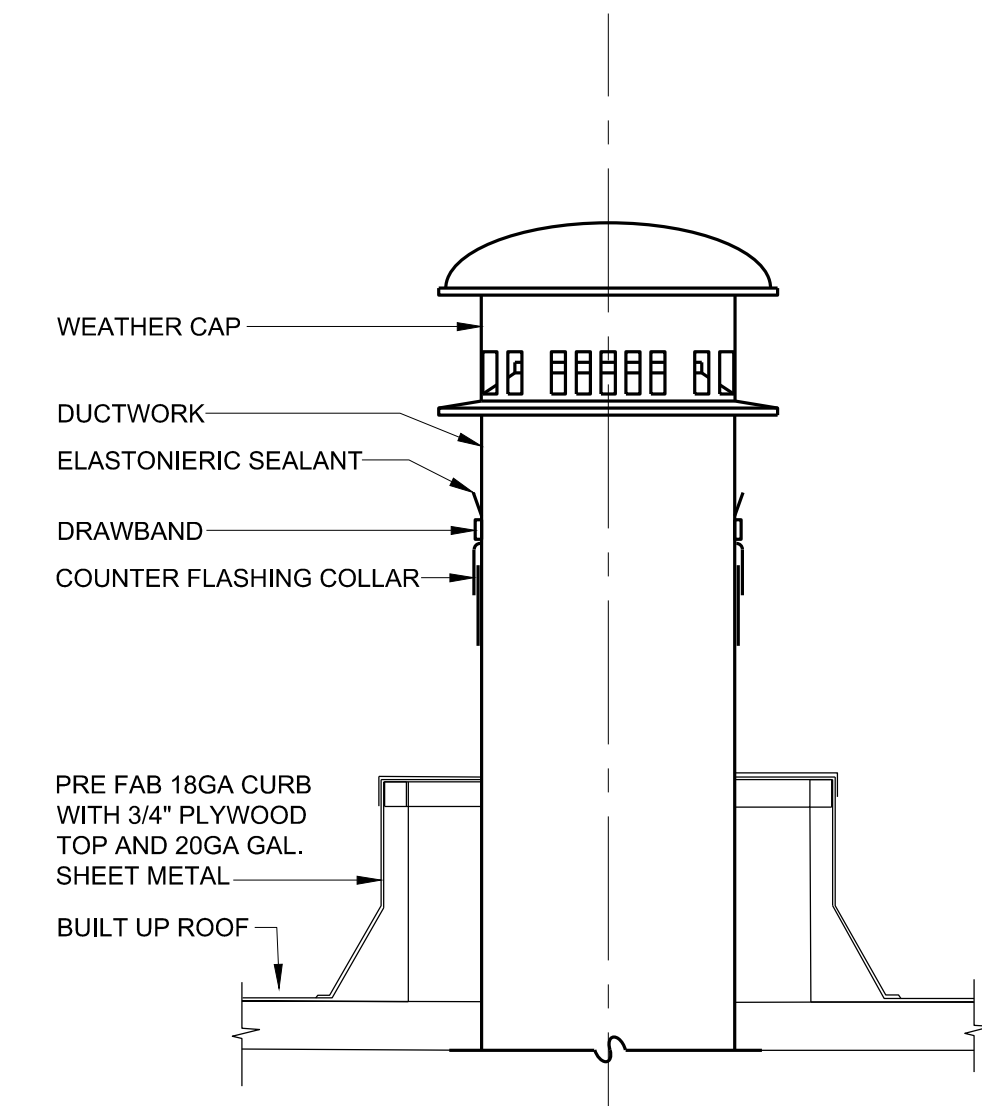
THE SMOKE DAMPER RESPONSE TIMES SHALL MEET THE REQUIREMENTS OF CBC SECTION 905.14

WHERE SMOKE DETECTORS DEPEND UPON A MINIMAL AIR VELOCITY TO OPERATE ARE INSTALLED IN DUCT FOR THE ACTUATION OF THE SMOKE DAMPER. THE SMOKE DAMPERS SHALL BE CONNECTED SUCH THAT WHERE THERE IS NO AIR MOVEMENT THROUGH THE DUCT, THE SMOKE DAMPER SHALL CLOSE.

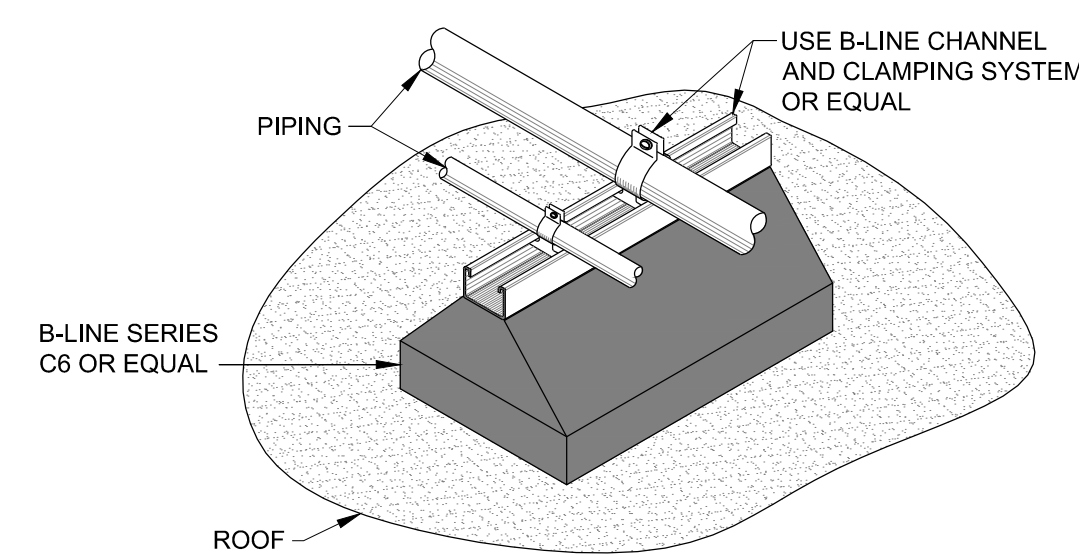
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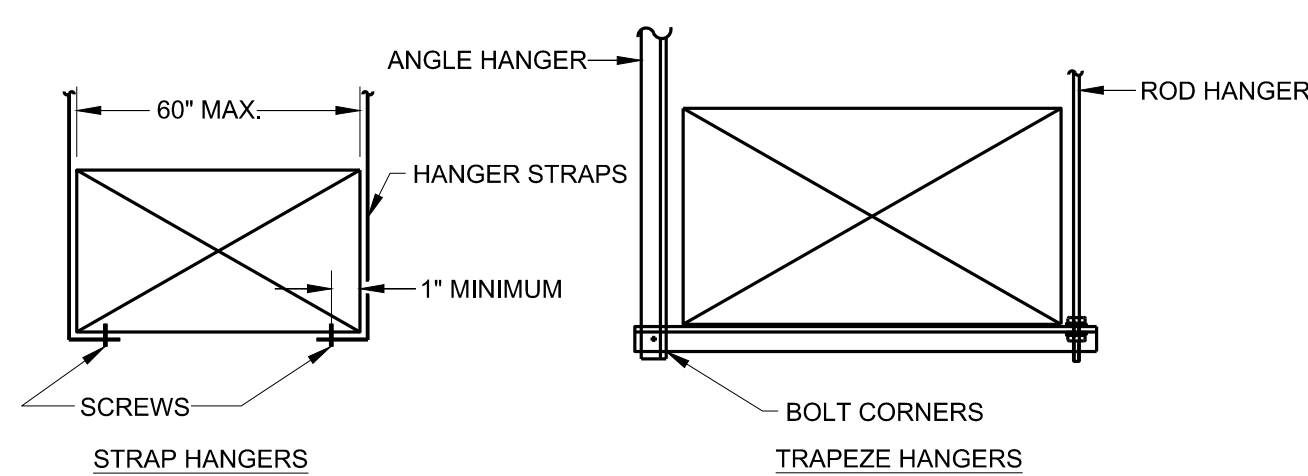
**5 DUCT SUPPORT DETAIL**  
M02.4 NO SCALE



**8 DUCT THRU ROOF DETAIL**  
M601 NO SCALE

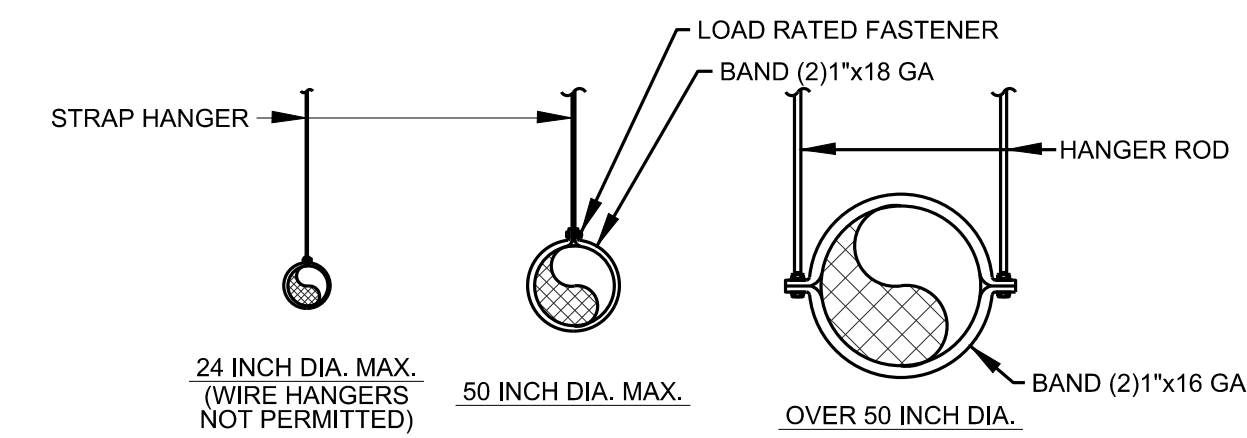


**7 ROOF SUPPORT FOR PIPING**  
M601 NO SCALE



- NOTES:
- FOR HANGERS SIZE AND SPACING, SEE SMACNA HVAC RECTANGULAR DUCT HANGERS MINIMUM SIZE TABLE 5-1.
  - FOR UPPER ATTACHMENT TO BUILDING, SEE SMACNA HVAC FIG. 5-2, FIG. 5-3, AND FIG. 5-4 WITH SPECIFIC BUILDING STRUCTURAL ENGINEER APPROVAL. FOR LOWER HANGER ATTACHMENTS, SEE SMACNA HVAC FIG. 5-5.
  - FOR BRACING AND OTHER SEISMIC REQUIREMENTS, SEE GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS & PLUMBING PIPING SYSTEMS PUBLISHED BY SMACNA AND PPIC AS APPROVED BY OFFICE OF STATE ARCHITECT 10/32/82, OSHPD PRE-APPROVED R0010. ALSO REFER TO NATIONAL UNIFORM SEISMIC INSTALLATION GUIDELINES (NUSIG) 1991 AS APPROVED BY OFFICE OF THE CALIFORNIA STATE ARCHITECT, OSHPD PRE-APPROVED R0215.

**4 RECTANGULAR DUCT SUPPORTS**  
M601 NO SCALE

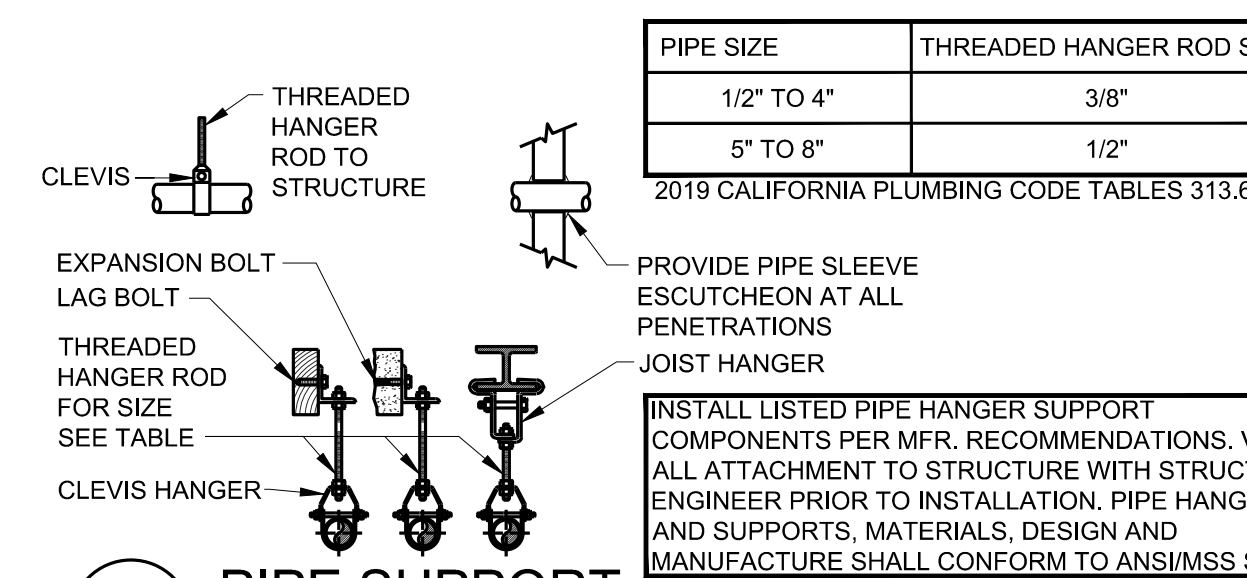


- NOTES:
- FOR HANGER SIZE AND SPACING, SEE SMACNA HVAC MINIMUM HANGER SIZES FOR ROUND DUCT TABLE 5-2.
  - FOR UPPER ATTACHMENT TO BUILDING SEE SMACNA HVAC FIG. 5-2, FIG. 5-3, AND FIG 5-4. FOR LOWER SUPPORTS SEE SMACNA HVAC FIG. 5-5.
  - FOR BRACING AND OTHER SEISMIC REQUIREMENT SEE GUIDELINES MECHANICAL SYSTEMS AND PLUMBING. ALSO REFER TO NATIONAL UNIFORM SEISMIC INSTALLATION.

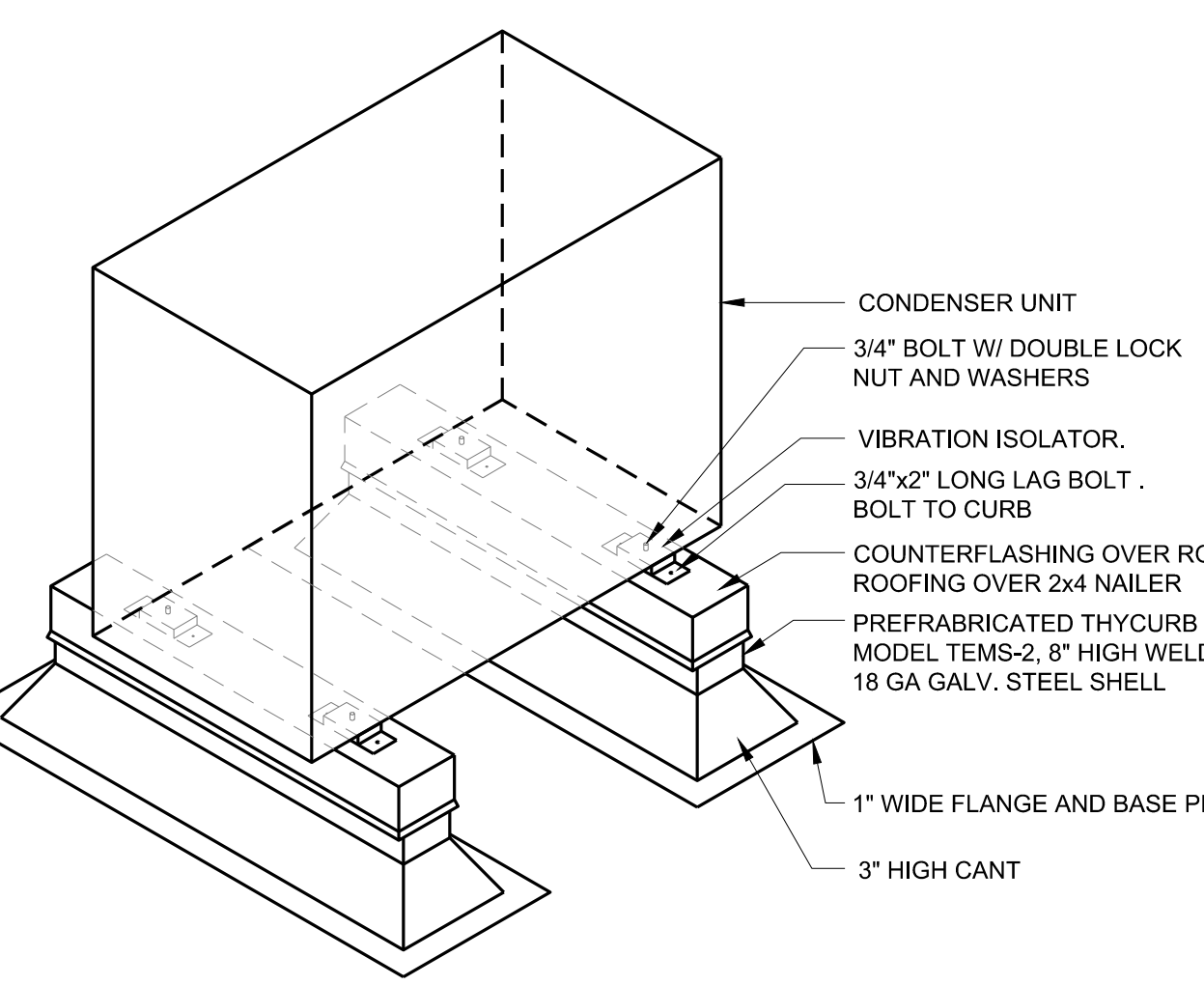
**3 ROUND DUCT SUPPORTS**  
M601 NO SCALE

| SIZE OF PIPE (INCH) | SPACING OF SUPPORTS (FEET) |                               | TYPE OF JOINT      |
|---------------------|----------------------------|-------------------------------|--------------------|
|                     | HORIZONTAL                 | VERTICAL                      |                    |
| COPPER TUBE & PIPE  |                            |                               |                    |
| 1-1/2" & SMALLER    | 8'                         | EACH FLOOR, NOT TO EXCEED 10' | SOLDERED OR BRAZED |
| 2" AND LARGER       | 10'                        |                               |                    |

2019 CALIFORNIA PLUMBING CODE TABLES 313.3



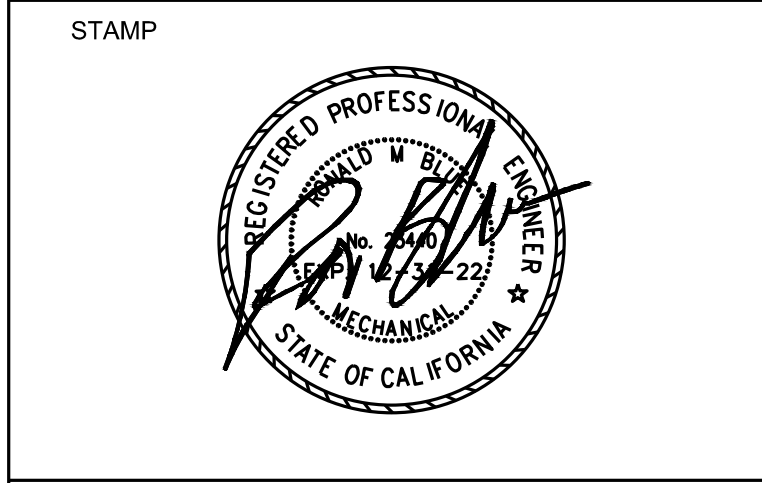
**2 PIPE SUPPORT**  
M601 NO SCALE SEE PLAN VIEW



**1 ROOFTOP EQUIPMENT SUPPORT DETAIL**  
M601 NO SCALE

**10 ROOF JACK/ CAP DETAIL**  
M601 NO SCALE

**9 DRYER EXHAUST**  
M601 NO SCALE



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA, 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANTZ  
T: (650) 394-8869

CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

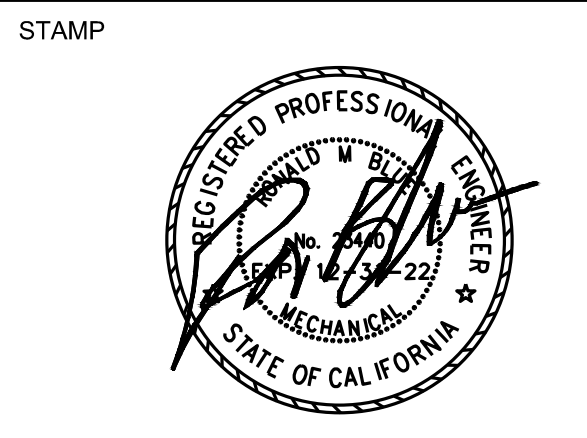
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOODRYANI  
T: (415) 826-9626

| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
|     | ISSUED FOR BUILDING PERMIT | 04-01-22 |

JOB NO.

DESCRIPTION  
MECHANICAL DETAILS



PROJECT ADDRESS  
**217 ARLINGTON AVE.**  
**KENSINGTON, CA, 94707**

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 217 ARLINGTON AVE  
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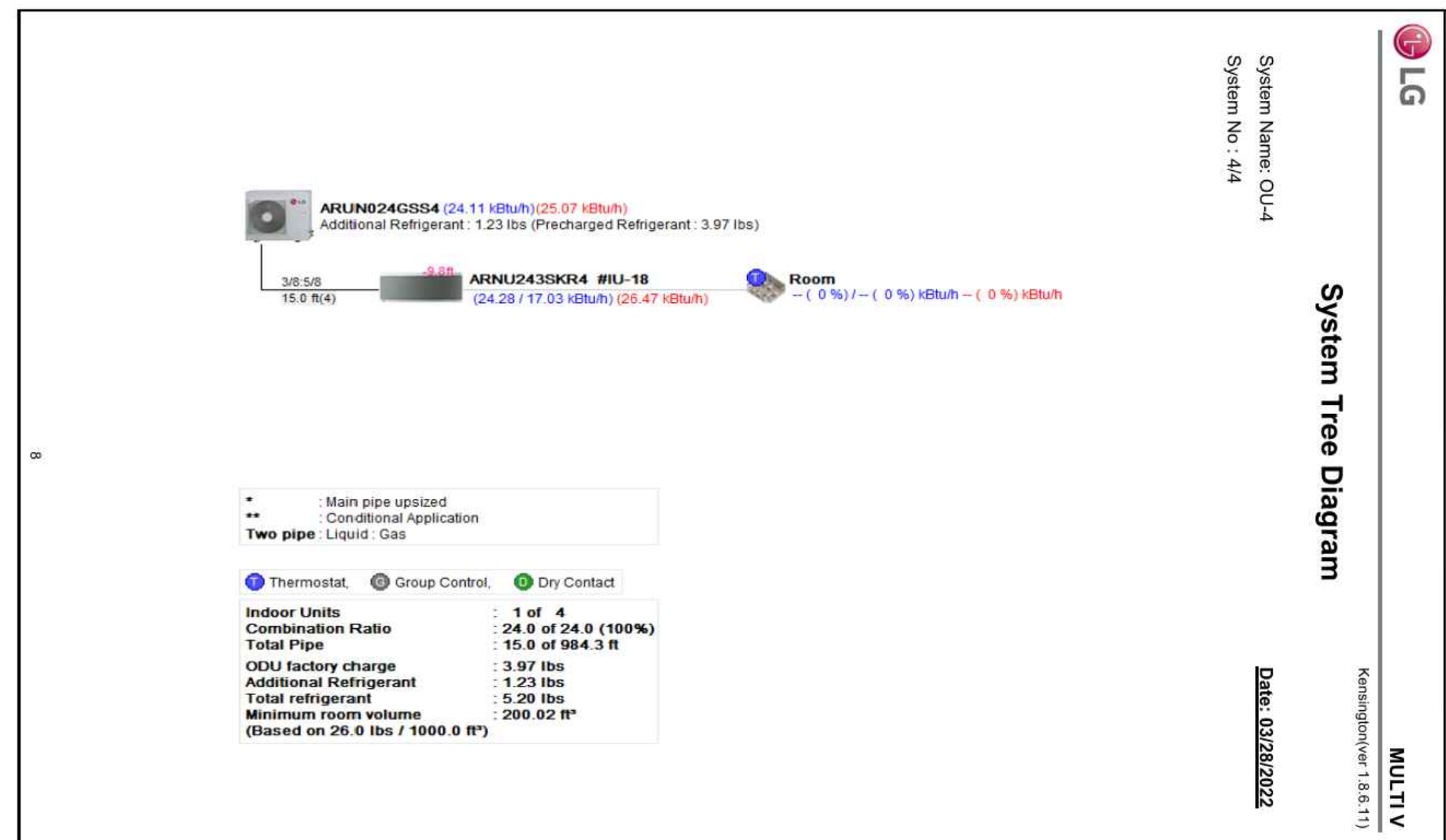
ESTIMATOR: MICROESTIMATION INC.  
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 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |
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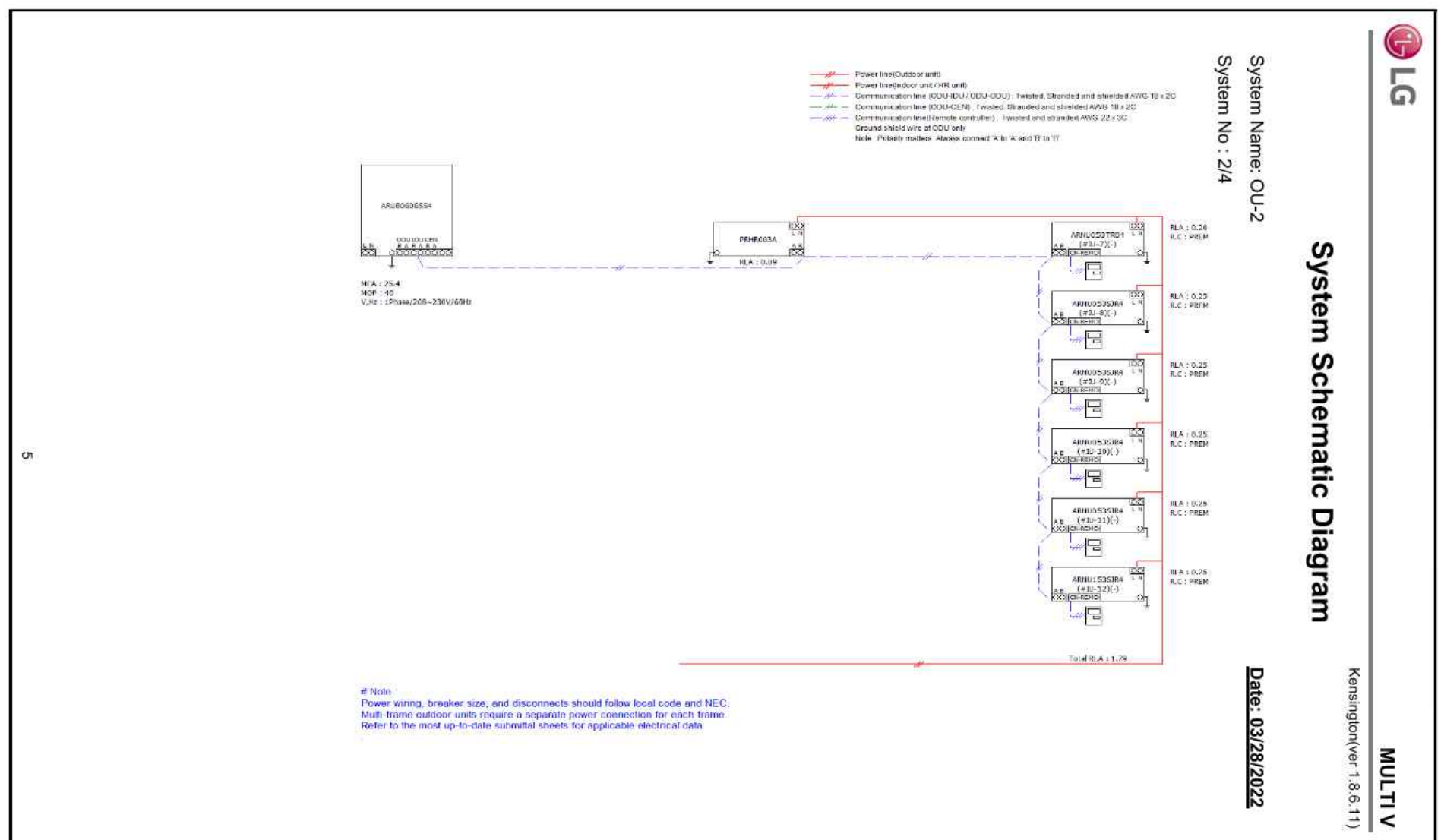
JOB NO. \_\_\_\_\_

DESCRIPTION  
 MECHANICAL SYSTEM SCHEMATIC DIAGRAM

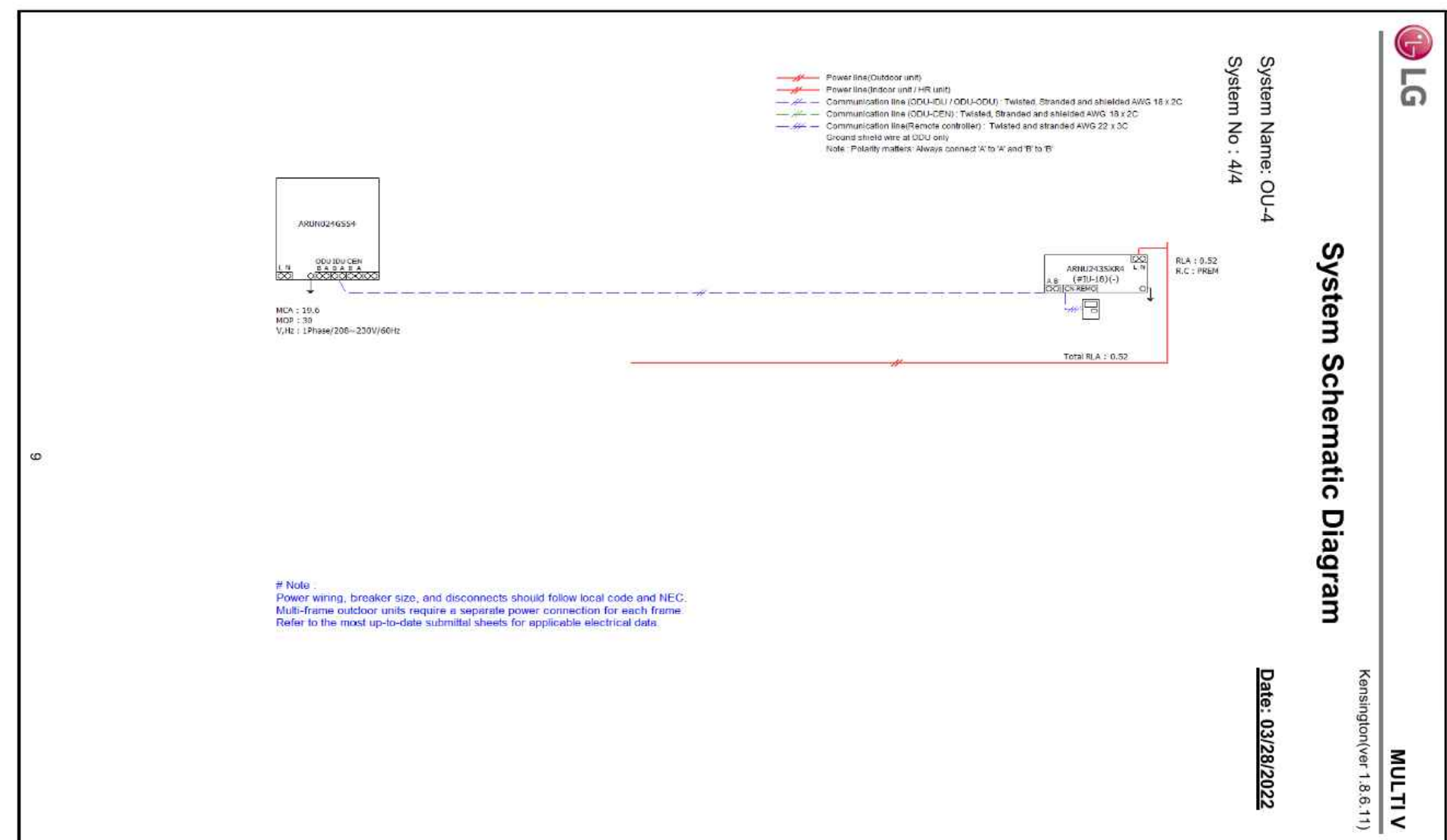
**M602**



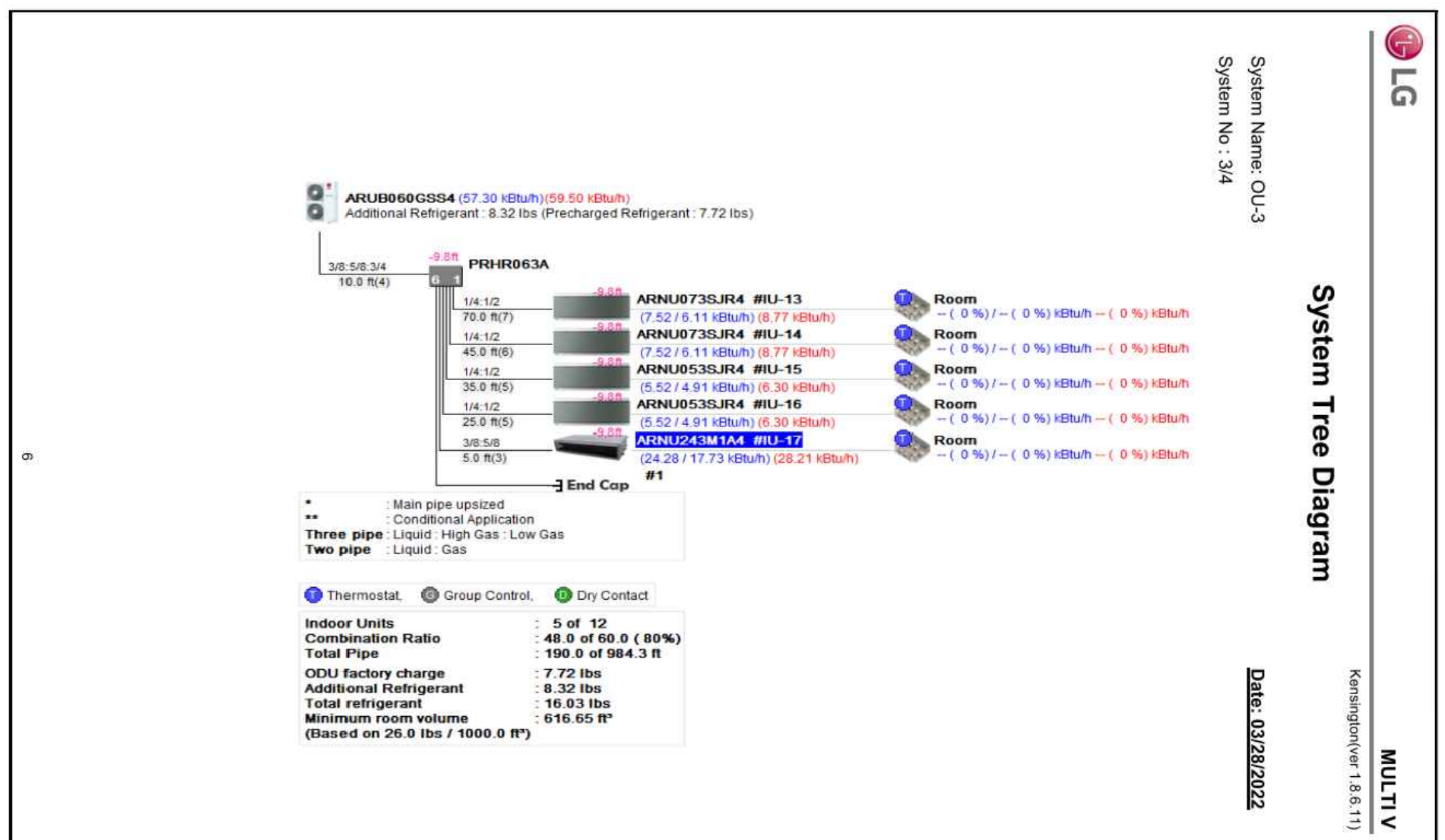
- NOTE:
- CONTRACTOR TO FIELD VERIFY REFRIGERANT PIPING LENGTH AND UPDATE VRF SOFTWARE.
  - CONTRACTOR TO VERIFY TOTAL REFRIGERANT CHARGE IN COMPLIANCE WITH CMC 1104.2



- NOTE:
- CONTRACTOR TO FIELD VERIFY REFRIGERANT PIPING LENGTH AND UPDATE VRF SOFTWARE.
  - CONTRACTOR TO VERIFY TOTAL REFRIGERANT CHARGE IN COMPLIANCE WITH CMC 1104.2



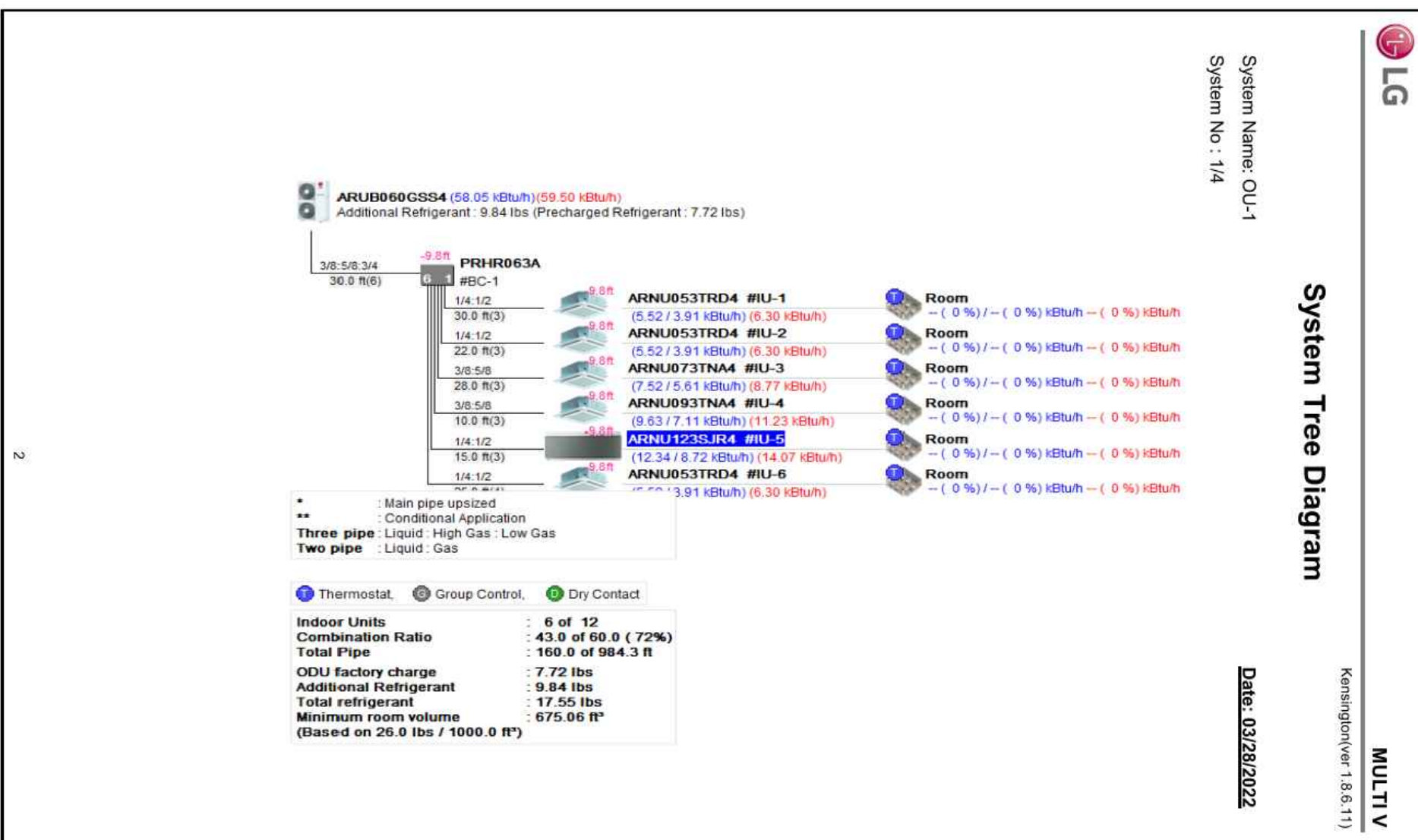
- NOTE:
- CONTRACTOR TO FIELD VERIFY REFRIGERANT PIPING LENGTH AND UPDATE VRF SOFTWARE.
  - CONTRACTOR TO VERIFY TOTAL REFRIGERANT CHARGE IN COMPLIANCE WITH CMC 1104.2



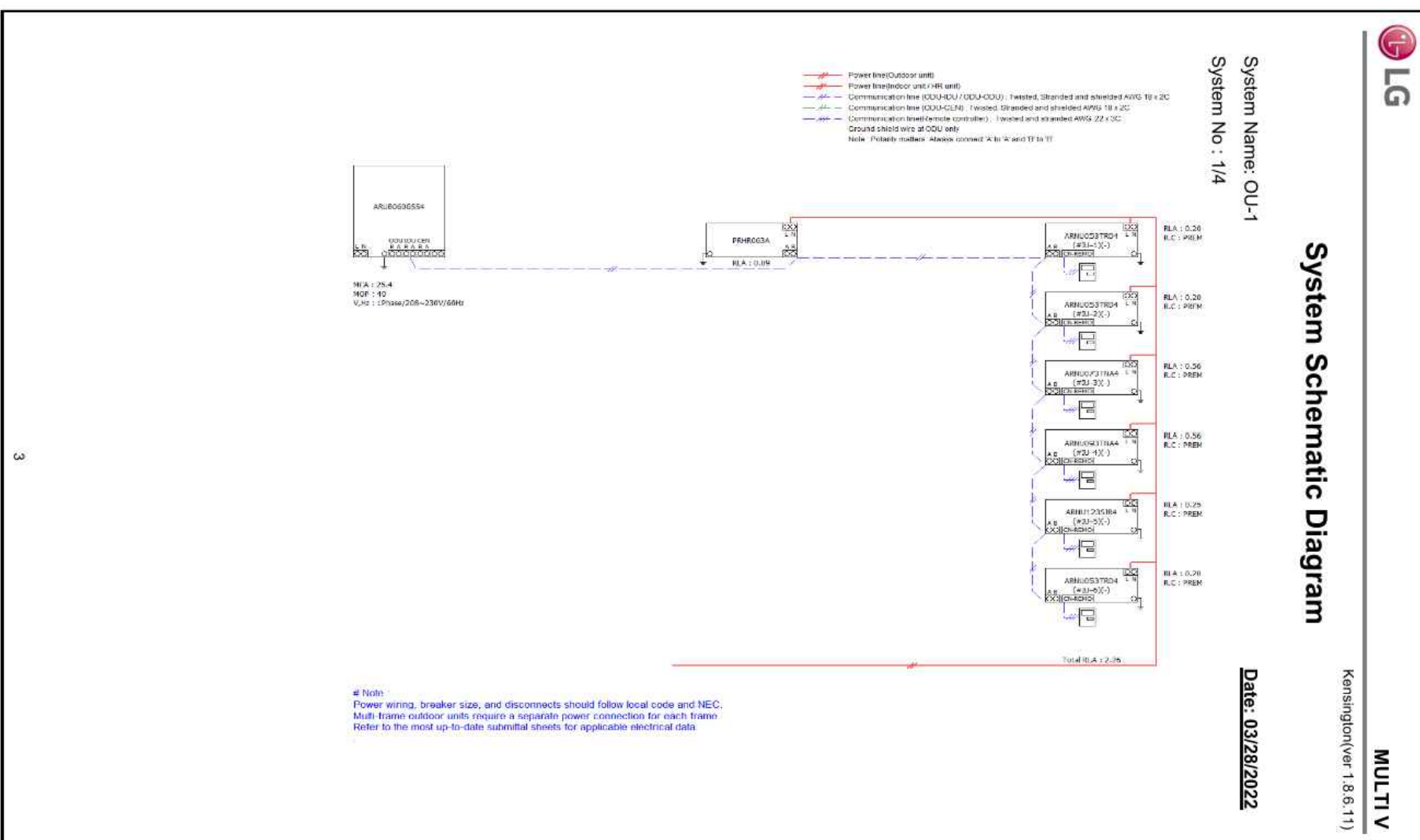
- NOTE:
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  - CONTRACTOR TO VERIFY TOTAL REFRIGERANT CHARGE IN COMPLIANCE WITH CMC 1104.2



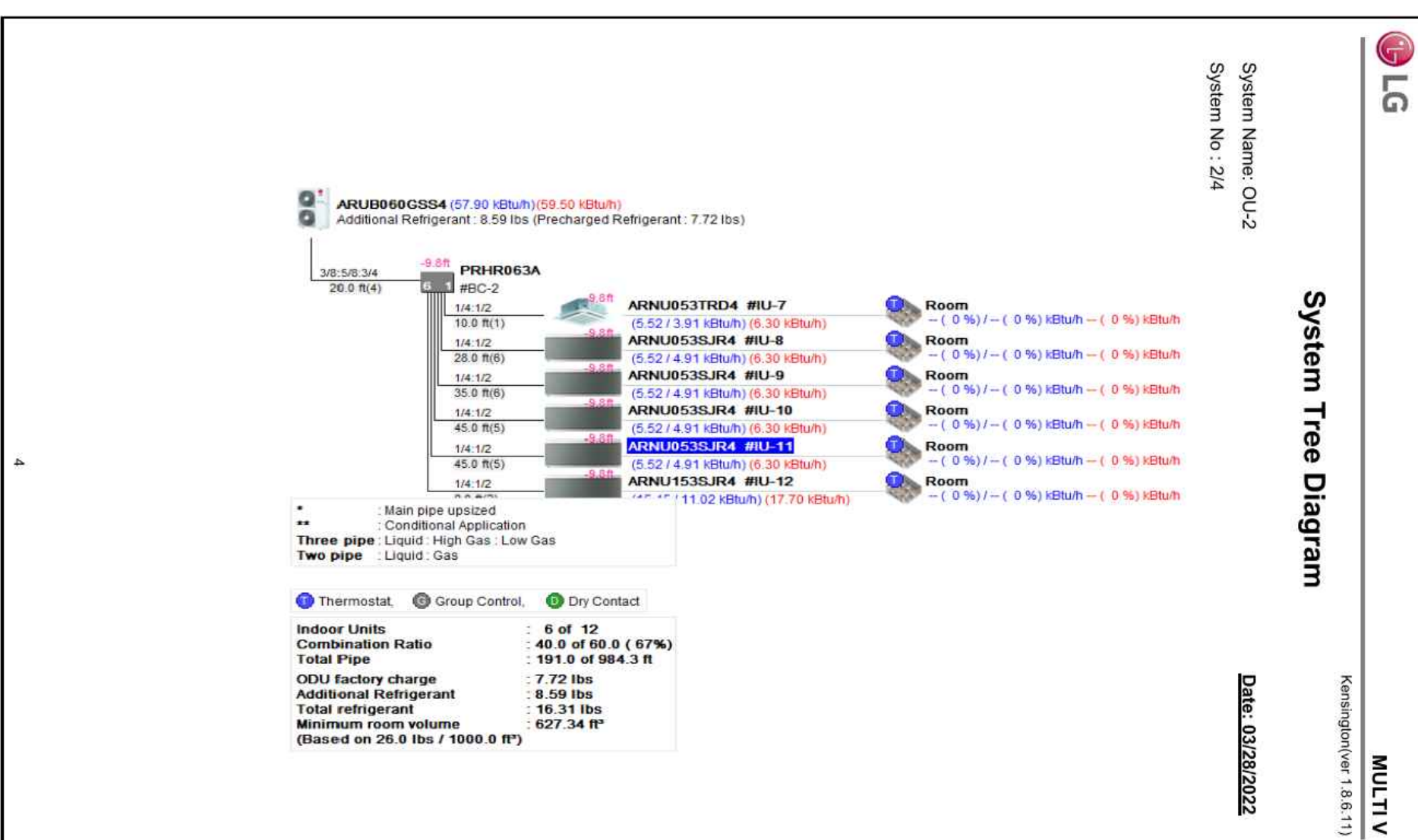
- NOTE:
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| QTY. | DESCRIPTION       | FU/FIXTURE | DCW FU | DHW FU | REMARKS              |
|------|-------------------|------------|--------|--------|----------------------|
| 3    | WATER CLOSET (FV) | *          | 90     | -      | SEE CPC TABLE 610.10 |
| 3    | LAVATORY          | 1          | 3      | 3      |                      |
| 3    | HOSE BIBB         | 2.5/1.0    | 4.5    | 0      | SEE CPC TABLE 610.3  |
| 2    | SHOWER            | 2          | 4      | 4      |                      |
| 2    | KITCHEN SINK      | 1.5        | 3      | 3      |                      |
| 1    | LAUNDRY SINK      | 1.5        | 1.5    | 1.5    |                      |
| 1    | DISHWASHER        | 1.5        | 1.5    | 1.5    |                      |
| 1    | SERVICE SINK      | 3          | 3      | 3      |                      |
| 2    | DRINKING FOUNTAIN | 0.5        | 1      | -      |                      |
| 2    | CLOTHES WASHER    | 4          | 8      | 8      |                      |
| 3    | REFRIGERATOR      | 0.5        | 1.5    | -      |                      |
| 1    | EYEWASH           | *          | *      | *      |                      |
| 1    | ICE MAKER         | 0.5        | 0.5    | -      |                      |
|      |                   |            |        |        |                      |
|      |                   |            |        |        |                      |
|      | TOTAL:            |            | 121.5  | 24     |                      |
|      |                   |            |        |        |                      |
|      | DEMAND IN GPM:    |            | 73     | 38     |                      |

| QTY. | DESCRIPTION       | DFU/FIXTURE | TOTAL DFU | REMARKS |
|------|-------------------|-------------|-----------|---------|
| 3    | WATER CLOSET (FV) | 4           | 12        |         |
| 3    | LAVATORY          | 1           | 3         |         |
| 2    | SHOWER            | 2           | 4         |         |
| 2    | KITCHEN SINK      | 2           | 4         |         |
| 1    | LAUNDRY SINK      | 2           | 2         |         |
| 1    | DISHWASHER        | 2           | 2         |         |
| 1    | SERVICE SINK      | 3           | 3         |         |
| 2    | DRINKING FOUNTAIN | 0.5         | 1         |         |
| 0    | HOSE BIBB         | 1.5         | 0         |         |
| 2    | CLOTHES WASHER    | 3           | 6         |         |
| 5    | FLOOR DRAIN       | 2           | 10        |         |
| 2    | FLOOR SINK        | 2           | 4         |         |
| 1    | ICE MAKER         | 0.5         | 0.5       |         |
|      |                   |             |           |         |
|      |                   |             |           |         |
|      | TOTAL:            |             | 57.5      |         |

|  |                 |
|--|-----------------|
| METER ADDRESS:                                 |                 |
| MINIMUM SUPPLY PRESSURE:                       | 80 PSI          |
| MAXIMUM FLOW RATE BASED ON FIXTURE UNITS:      | 73 GPM          |
| LENGTH OF PIPE FROM METER TO FARTHEST FIXTURE: | 125 FT          |
| WATER PRESSURE CALCULATION:                    |                 |
| AVAILABLE PRESSURE:                            | 80 PSI          |
| RESIDUAL PRESSURE:                             | 25 PSI          |
| ELEVATION CHANGE:                              | 25 FT 11 PSI    |
| METER LOSS:                                    | 10 PSI          |
| BACKFLOW PREVENTOR LOSS:                       | 10 PSI          |
| PRV LOSS:                                      | 0 PSI           |
| MAXIMUM AVAILABLE FRICTION LOSS:               | 24 PSI          |
| (MAX FRICTION) x 100 / (TOTAL LENGTH) =        | 19.31 PSI/100FT |
| (E) WATER SERVICE SIZE:                        | 2"              |
| SELECTED PIPE SIZE SUPPORTS UP TO:             | 95 GPM          |

NOTE:  
THE ABOVE DOES NOT INCLUDE FIRE PROTECTION OR LANDSCAPE.  
THE ABOVE CALCULATION BASED ON 2019 CPC APPENDIX A.

| MARK | DESCRIPTION                   | CFH DEMAND | DISTANCE FROM METER | BRANCH PIPE SIZE |
|------|-------------------------------|------------|---------------------|------------------|
| WH-1 | WATER HEATER                  | 150000     | 55'                 | 3/4"             |
| GR-1 | GRILLE                        | 40000      | 60'                 | 3/4"             |
| IR-1 | INFRARED HEATER               | 35000      | 80'                 | 1/2"             |
| IR-2 | INFRARED HEATER               | 35000      | 70'                 | 1/2"             |
| IR-3 | INFRARED HEATER               | 35000      | 65'                 | 1/2"             |
| IR-4 | INFRARED HEATER               | 35000      | 60'                 | 1/2"             |
| IR-5 | INFRARED HEATER               | 35000      | 50'                 | 1/2"             |
| IR-6 | INFRARED HEATER               | 35000      | 25'                 | 1/2"             |
|      |                               |            |                     |                  |
|      |                               |            |                     |                  |
|      | TOTAL GAS DEMAND:             | 400000     |                     |                  |
|      | MAX. PIPING LENGTH:           | 80'        |                     |                  |
|      | GAS SERVICE SIZE TO BUILDING: |            | 1-1/2"              |                  |

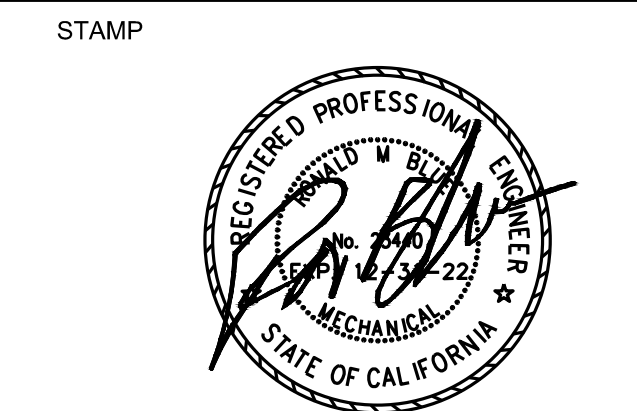
|  |  |          |                                     |
|--|--|----------|-------------------------------------|
|  | BALANCING COCK                         | ABV.CLG. | ABOVE CEILING                       |
|  | BALL VALVE                             | AFCO     | ACID FLOOR CLEANOUT                 |
|  | CAP                                    | AFD      | ACID RESISTANT FLOOR DRAIN          |
|  | CHECK VALVE                            | AFF      | ABOVE FINISH FLOOR                  |
|  | CLEANOUT                               | AGCO     | ACID GRADE CLEANOUT                 |
|  | COMPRESSED AIR PIPING (E)              | AP       | ACCESS PANEL                        |
|  | DEIONIZED WATER (EXISTING)             | AV       | ACID VENT                           |
|  | DOMESTIC COLD WATER (EXISTING)         | AVTR     | ACID VENT THRU ROOF                 |
|  | DOMESTIC COLD WATER (NEW)              | AW       | ACID WASTE                          |
|  | DOMESTIC HOT WATER (EXISTING)          | AWCO     | ACID WALL CLEANOUT                  |
|  | DOMESTIC HOT WATER (NEW)               | CA       | COMPRESSED AIR PIPING               |
|  | DOMESTIC HOT WATER RETURN (EXISTING)   | CB       | CATCH BASIN                         |
|  | DOMESTIC HOT WATER RETURN (NEW)        | CD       | CONDENSATE                          |
|  | DIRECTION OF FLOW                      | CFH      | CUBIC FEET PER HOUR                 |
|  | DRY STANDPIPE                          | CI       | CAST IRON                           |
|  | FIRE SPRINKLER PIPING                  | CP       | CHROME PLATED                       |
|  | FLANGED UNION                          | DCW      | DOMESTIC COLD WATER                 |
|  | FLOOR DRAIN/AREA DRAIN                 | DHW      | DOMESTIC HOT WATER                  |
|  | FLOOR SINK                             | DHWTR    | DOMESTIC HOT WATER RETURN           |
|  | FORCE MAIN                             | DCV      | DETECTOR CHECK VALVE                |
|  | GAS PIPING (EXISTING)                  | DF       | DRINKING FOUNTAIN                   |
|  | GAS PIPING (NEW)                       | DN       | DOWN                                |
|  | GAS COCK                               | DS       | DOWN SPOUT                          |
|  | GATE VALVE                             | DSP      | DRY STAND PIPE                      |
|  | GLOBE VALVE                            | (E)      | EXISTING                            |
|  | HIGH PRESSURE GAS PIPING               | EC       | ELECTRICAL CONTRACTOR               |
|  | HOSE BIBB ((E) 3/4" MIN.)              | EL       | ELEVATION                           |
|  | LIQUID PETROLEUM GAS PIPING (EXISTING) | EPH      | ELECTRIC WATER HEATER               |
|  | LIQUID PETROLEUM GAS PIPING (NEW)      | (F)      | FIRE SPRINKLER PIPING               |
|  | OXYGEN PIPING (EXISTING)               | FC       | FLEX CONNECTOR                      |
|  | OXYGEN PIPING (NEW)                    | FCO      | FLOOR CLEANOUT                      |
|  | PETES PLUG                             | FD       | FLOOR DRAIN                         |
|  | PIPE (ABOVE THE CEILING)               | FL       | FIRE LINE                           |
|  | PIPE HANGER                            | FM       | FORCE MAIN                          |
|  | PIPE TURNING UP (RISE)                 | FS       | FLOOR SINK                          |
|  | PIPE TURNING DOWN (DROP)               | FSC      | FIRE SPRINKLER CONTRACTOR           |
|  | PIPE TEE DOWN                          | GC       | GENERAL CONTRACTOR                  |
|  | PRESSURE REDUCING VALVE                | GCO      | GROUND CLEANOUT                     |
|  | T & PRV RELIEF VALVE                   | GPM      | GALLONS PER MINUTE                  |
|  | POINT OF CONNECTION TO EXISTING        | GW       | GREASE WASTE                        |
|  | RAIN WATER LEADER (EXISTING)           | HB       | HOSE BIBB                           |
|  | RAIN WATER LEADER                      | HPG      | HIGH PRESSURE GAS                   |
|  | REDUCER                                | DHWS     | HOT WATER SUPPLY                    |
|  | ROOF DRAIN                             | IE:      | INVERT ELEVATION                    |
|  | STORM DRAIN (EXISTING)                 | LAV      | LAVATORY                            |
|  | STORM DRAIN (NEW)                      | LPG      | LOW PRESSURE GAS                    |
|  | STRAINER                               | MC       | MECHANICAL CONTRACTOR               |
|  | SUB-SOIL PIPING                        | MS       | MOP SINK                            |
|  | UNION                                  | NPW      | NON POTABLE WATER                   |
|  | VACUUM PIPING (EXISTING)               | (N)      | NEW                                 |
|  | VACUUM PIPING (NEW)                    | OFD      | OVERFLOW DRAIN                      |
|  | VENT PIPING (EXISTING)                 | O2       | OXYGEN                              |
|  | VENT PIPING (NEW)                      | PC       | PLUMBING CONTRACTOR                 |
|  | ACID VENT                              | PV       | POST INDICATION VALVE               |
|  | WASTE PIPING (EXISTING)                | POC      | POINT OF CONNECTION                 |
|  | (N) WASTE PIPING (ABOVE FLOOR)         | POD      | POINT OF DEMOLITION                 |
|  | WASTE PIPING - UNDERGROUND (NEW)       | PP       | PETES PLUG                          |
|  | GREASE WASTE (EXISTING)                | PRV      | PRESSURE REDUCING VALVE             |
|  | GREASE WASTE (NEW)                     | PVC      | POLYVINYL CHLORIDE PIPE             |
|  | WET STANDPIPE (EXISTING)               | RD       | ROOF DRAIN                          |
|  | WET STANDPIPE (NEW)                    | RFBPF    | BACKFLOW PREVENTOR REDUCED PRESSURE |
|  | WATERHAMMER ARRESTOR (WHA)             | RWL      | RAIN WATER LEADER                   |
|  | TRAP PRIMER (TP)                       | RTU      | ROOF TOP UNIT                       |
|  | TO BE REMOVED                          | SD       | STORM DRAIN                         |
|  |  | SDCW     | SOFT DOMESTIC COLD WATER            |
|  |  | SDHW     | SOFT DOMESTIC HOT WATER             |
|  |  | SK       | SINK                                |
|  |  | SOV      | SHUTOFF VALVE                       |
|  |  | SS       | SANITARY SEWER                      |
|  |  | TP       | TRAP PRIMER                         |
|  |  | UR       | URINAL                              |
|  |  | V        | VENT                                |
|  |  | VB       | VALVE BOX                           |
|  |  | VAC      | VACUUM                              |
|  |  | VIF      | VERIFY IN FIELD                     |
|  |  | VTR      | VENT THRU ROOF                      |
|  |  | W        | WASTE                               |
|  |  | WC       | WATER CLOSET                        |
|  |  | WCO      | WALL CLEANOUT                       |
|  |  | WH       | WATER HEATER                        |
|  |  | WHA      | WATER HAMMER ARRESTOR               |
|  |  | WM       | WATER METER                         |

## GENERAL PLUMBING NOTES

- ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING THE 2019 CALIFORNIA ENERGY CONSERVATION STANDARDS OF TITLE 24.
- LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT SUPPORTS ARE DETAILED ON THE STRUCTURAL AND ARCHITECTURAL PLANS.
- PLATFORMS, CURBS AND FLASHING FOR EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS. COORDINATE THE EXACT SIZES OF REQUIRED OPENINGS AND SUPPORT FOR THE FURNISHED EQUIPMENT.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- ALL EQUIPMENT, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
- PIPES SHALL BE SUPPORTED AND BRACED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS."
- COORDINATE PLUMBING SYSTEMS WITH WORK OF OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- EXPOSED PIPING ALLOWED ONLY WHERE INDICATED. PROVIDE ESCUTCHEONS IN FINISHED AREAS.
- MAINTENANCE LABEL SHALL BE AFFIXED TO ALL PLUMBING EQUIPMENT.
- PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR EQUIPMENT PROVIDED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EQUIPMENT.
- PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED BY AN APPROVED MATERIAL AS PRESCRIBED IN CBC SECTION 714.
- REFER TO STRUCTURAL DRAWING FOR LOCATIONS OF BEAMS, SHEAR WALLS AND MEMBERS. ALL DRILLING OF STRUCTURAL BEAMS AND MEMBERS TO BE COORDINATED WITH THE STRUCTURAL ENGINEER. ALL HOLES SHALL BE MINIMUM SIZE AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO DRILLING.
- FIELD VERIFY LOCATION AND SIZE OF ALL EXISTING PIPING, DUCTWORK AND EQUIPMENT PRIOR TO FABRICATION OF ANY NEW WORK.
- ALL WATER CLOSETS CONTROLS SHALL BE ON THE WIDE SIDE OF THE FIXTURE AWAY FROM THE WALL.
- ALL FAUCET CONTROLS SHALL BE OPERABLE WITH THE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.

| DWG # | DRAWING DESCRIPTION                          |
|-------|--|
| P001  | PLUMBING TITLE SHEET                         |
| P002  | PLUMBING SCHEDULES                           |
| P003  | TITLE-24 DOCUMENTS                           |
| P201  | UNDERGROUND PLUMBING PLAN                    |
| P202  | PLUMBING WASTE, RWL & VENT GROUND FLOOR PLAN |
| P203  | PLUMBING WASTE, RWL & VENT SECOND FLOOR PLAN |
| P204  | PLUMBING WASTE, & VENT ROOF PLAN             |
| P205  | PLUMBING DCW, DHW, & GAS GROUND FLOOR PLAN   |
| P206  | PLUMBING DCW, DHW, & GAS SECOND FLOOR PLAN   |
| P601  | DETAILS                                      |

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| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
|     | ISSUED FOR BUILDING PERMIT | 04-01-22 |

JOB NO.

DESCRIPTION  
PLUMBING TITLE SHEET

**P001**

**PLUMBING FIXTURE/EQUIPMENT CONNECTION SCHEDULE**

| CODE       | DESCRIPTION                | MANUFACTURER | MODEL                            | ACCESSIBLE | MOUNTING TYPE |             |      | GOOSENECK SPOUT | MIN. ROUGH-IN CONN (IN) |       |     |     |     | LOCATION         | REMARKS   |
|------------|----------------------------|--------------|----------------------------------|------------|---------------|-------------|------|-----------------|-------------------------|-------|-----|-----|-----|------------------|---|
|            |                            |              |                                  |            | FLOOR         | COUNTER TOP | WALL |                 | W                       | V     | CW  | HW  | NPW |                  |   |
| WC-1       | WATER CLOSET               | TOTO         | CT705ULN(G)                      | ADA        | *             | -           | -    | -               | 4                       | 2     | 1   | -   | -   | RESTROOM, BATH 2 | 1.28 GPF. FLUSH VALVE   |
| WC-2       | WATER CLOSET               | TOTO         | CT705ULN(G)                      | -          | *             | -           | -    | -               | 4                       | 2     | 1   | -   | -   | BATH 1           | 1.28 GPF. FLUSH VALVE   |
| SH-1       | SHOWER                     | TOTO         | TS362P                           | ADA        | -             | -           | *    | -               | -                       | -     | 1/2 | 1/2 | -   | BATH 2           | 1.5 GPM. PRESSURE-BALANCING MIXING VALVE WITH INTEGRAL HANDLE, VOLUME CONTROL, INTEGRAL STOPS, 1.5 GPM FLOW RATE RESTRICTOR, OPTIONAL EF-100 WAND, TOTO TBW01020U2 HAND-HELD SHOWER WITH IN-LINE VACUUM BREAKER, TS101W60 60" METAL BRAIDED HOSE, WALL CONNECTION AND TS100GR 30" SLIDE BAR. PROVIDE CHROME DRAIN, TOTO TBV01103U 2-WAY DIVERTER, TOTO TBW01013U4 FIXED SHOWER HEAD LOCATED NOT FACING SHOWER ENTRANCE. SEE ARCH. |
| SH-2       | SHOWER                     | TOTO         | TS362P                           | -          | -             | -           | *    | -               | -                       | -     | 1/2 | 1/2 | -   | BATH 1           | 1.5 GPM. PRESSURE-BALANCING MIXING VALVE WITH INTEGRAL HANDLE, VOLUME CONTROL, INTEGRAL STOPS, 1.5 GPM FLOW RATE RESTRICTOR, OPTIONAL EF-100 WAND, HAND-HELD SHOWER TOTO TBW01020U2 WITH IN-LINE VACUUM BREAKER, TS101W60 60" METAL BRAIDED HOSE, WALL CONNECTION AND TS100GR 30" SLIDE BAR. PROVIDE CHROME DRAIN.  |
| L-1        | LAVATORY                   | CATALANO     | 180SVP00                         | ADA        | -             | -           | *    | -               | 2                       | 1 1/2 | 1/2 | 1/2 | -   | RESTROOM, BATH 2 | 0.35 GPM. TOTO TL363SDA03 FAUCET, SINGLE HANDLE, SINGLE HOLE INSTALLATION, GRID DRAIN ASSEMBLY, CARRIER SUPPORT.  |
| L-2        | LAVATORY                   | CATALANO     | 180SVP00                         | -          | -             | -           | *    | -               | 2                       | 1 1/2 | 1/2 | 1/2 | -   | BATH 1           | 0.35 GPM. TOTO TL363SDA03 FAUCET, SINGLE HANDLE, SINGLE HOLE INSTALLATION, GRID DRAIN ASSEMBLY, CARRIER SUPPORT.  |
| SK-1       | KITCHEN SINK               | BLANCO       | QUATRUS MEDIUM SINGLE            | ADA        | -             | *           | -    | *               | 2                       | 1 1/2 | 1/2 | 1/2 | -   | KITCHEN          | 1.5 GPM. 32"x18", ADA COMPLIANT 25"x18", 5-1/2" DEEP SINK W/ JUST JPR-701-N SS FAUCET, LK-35LSTRAINER PROVIDE VALVE AND SUPPLY TUBING FOR COFFEE MAKER.   |
| SK-2       | KITCHEN SINK               | BLANCO       | QUATRUS MEDIUM SINGLE            | -          | -             | *           | -    | *               | 2                       | 1 1/2 | 1/2 | 1/2 | -   | KITCHEN          | 1.5 GPM. 32"x18", 9" DEEP SINK W/ JUST JPR-701-N SS, LK-35L STRAINER PROVIDE INSINKERATOR, BADGER 5XP 3/4HP GARBAGE DISPOSAL.   |
| SK-3       | LAUNDRY SINK               | ELKAY        | SEHS-17X                         | -          | -             | -           | *    | *               | 2                       | 1 1/2 | 1/2 | 1/2 | -   | LAUNDRY          | 1.5 GPM   |
| SK-4       | SERVICE SINK               | JUST         | SB-230-24R                       | -          | *             | -           | *    | *               | 2                       | 1 1/2 | 1/2 | 1/2 | -   | DECON            | 1.0 GPM. CHICAGO FAUCETS: 510-G613L12XKCAB, PRE-RINSE FITTING W/ 8" ADJUSTABLE CENTERS. CHICAGO FAUCETS: 625-ABCP FOOT OPERATED REMOTE VALVE.   |
| CW-1       | CLOTHES WASHER             | GE           | GFW550                           | ADA        | *             | -           | -    | -               | 2                       | 1 1/2 | 1/2 | 1/2 | -   | LAUNDRY          | PROVIDE WITH WHA  |
| CW-2       | EXTRACTOR                  | MILNOR       | T SERIES 30015T6X                | -          | *             | -           | -    | -               | 3                       | 2     | 3/4 | 3/4 | -   | ASSEMBLY BAY     | PROVIDE WITH WHA  |
| DW-1       | DISHWASHER                 | GE           | GDT225                           | ADA        | *             | -           | -    | -               | 2                       | -     | -   | 1/2 | -   | KITCHEN          | SEE DETAIL 5/ P601  |
| RF-1       | REFRIGERATOR               | GE           | GFE28                            | ADA        | *             | -           | -    | -               | -                       | -     | 1/2 | -   | -   | KITCHEN          |   |
| RF-2       | REFRIGERATOR               | GE           | GNE29                            | -          | *             | -           | -    | -               | -                       | -     | 1/2 | -   | -   | KITCHEN          |   |
| IM-1       | ICE MAKER                  | KITCHENAID   | KUID508H                         | -          | *             | -           | -    | -               | 3/4                     | -     | 1/2 | -   | -   | KITCHEN          | DRAIN WASTE TO FLOOR SINK IN ASSEMBLY BAY WITH 1" AIR GAP.  |
| FD-1       | FLOOR DRAIN                | WATTS        | FD-100-A5-7                      | -          | *             | -           | -    | -               | 2                       | 1 1/2 | -   | -   | 1/2 | MULTIPLE         | EPOXY COATED, CAST IRON BODY, REVERSIBLE. FLASHING CLAMP WITH PRIMARY AND SECONDARY WEEPHOLES, NO HUB OUTLET. WATTS -A5 ADJUSTABLE ROUND STRAINER, 5" (127 MM) DIAMETER NICKEL BRONZE. TRAP PRIMER CONNECTION.  |
| FS-1       | FLOOR SINK                 | ZURN         | Z1900                            | -          | *             | -           | -    | -               | 2                       | 1 1/2 | -   | -   | 1/2 | MULTIPLE         | SANI-FLOOR RECEPTOR. 12X12X6 DEEP CAST IRON BODY AND SQUARE, LIGHT DUTY 3/4 GRATE W/ 1/2" SLOTTED OPENINGS, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP. COMPLETE W/ ABS ANTI-SPLASH INTERIOR BOTTOM DOWM STRAINER. NO HUB CONNECTION. TRAP PRIMER CONNECTION.   |
| EW-1       | EYEWASH                    | GUARDIAN     | G1849                            | -          | -             | *           | -    | -               | -                       | -     | 1/2 | 1/2 | -   | ASSEMBLY BAY     | MOUNT ON SK-4, PROVIDE WITH TEMPERATURE MIXING VALVE.   |
| HB-1       | HOSE BIBB                  | NIBCO        | QT54X                            | -          | -             | -           | *    | -               | -                       | -     | 3/4 | -   | -   | EXTERIOR         | VACUUM BREAKER  |
| DF-1       | DRINKING FOUNTAIN          | ELKAY        | EZH20 LZ2LDDWSSKJLZWSR           | -          | -             | -           | *    | -               | 2                       | 1 1/2 | 1/2 | -   | -   | LOBBY            | 0.5 GPM. WALL MOUNTED BARRIER FREE, 14 GAUGE TYPE 304 STAINLESS STEEL DRINKING FOUNTAIN WITH BOTTLE FILLER  |
| RD-1       | ROOF DRAIN                 | JAY R SMITH  | DX1010                           | -          | *             | -           | -    | -               | 3                       | -     | -   | -   | -   | ROOF             |   |
| RD-2/OFD-1 | ROOF DRAIN/ OVERFLOW DRAIN | JAY R SMITH  | 1850                             | -          | *             | -           | -    | -               | 3                       | -     | -   | -   | -   | ROOF             | COMBINATION ROOF AND OVERFLOW DRAIN   |
| TP-1       | TRAP PRIMER                | MIFAB        | M-500 W/ DISTRIBUTION UNIT MI-DU | -          | -             | -           | -    | -               | -                       | -     | -   | -   | -   | MULTIPLE         |   |
| SO-1       | SAND & OIL INTERCEPTOR     | STRIEM       | OS-100                           | -          | -             | -           | -    | -               | 4                       | 3     | -   | -   | -   | DRIVEWAY         | BURIED, CONNECT TO SANITARY SEWER.  |
| TD-1       | TRENCH DRAIN               | ZURN         | Z886 TRENCH NO. 8601, 8602, 8603 | -          | *             | -           | -    | -               | 4                       | -     | -   | -   | -   | ASSEMBLY BAY     | SEE STRUCTURAL DETAIL.  |

**PIPE MATERIAL SCHEDULE**

| SYSTEM   | LOCATION     | SIZE             | PIPE                  | FITTINGS                | JOINTS                       | TEST          |
|--|--------------|------------------|-----------------------|-------------------------|------------------------------|---------------|
| SANITARY WASTE                                 | ABOVE GROUND | 3" & LARGER      | SERVICE WT. CAST IRON | SERVICE WT. CAST IRON   | HUSKY #4000 NO-HUB SS FITING | 1             |
|  | ABOVE GROUND | 2-1/2" & SMALLER | STD WT. GALV. STEEL   | SERVICE WT. CAST IRON   | HUSKY #4000 NO-HUB SS FITING | 1             |
| SANITARY VENT                                  | ABOVE GROUND | 3" & LARGER      | SERVICE WT. CAST IRON | SERVICE WT. CAST IRON   | HUSKY #4000 NO-HUB SS FITING | WATER TO ROOF |
|  | ABOVE GROUND | 2-1/2" & SMALLER | STD WT. CAST IRON     | SERVICE WT. CAST IRON   | HUSKY #4000 NO-HUB SS FITING | WATER TO ROOF |
| DOMESTIC COLD WATER                            | ALL          | 4" & LARGER      | TYPE "L" COPPER HARD  | CAST SOLDER             | 95-5 SOLDER                  | 150 PSI WATER |
|  | ALL          | 3" & SMALLER     | TYPE "L" COPPER HARD  | WROT SOLDER             | 95-5 SOLDER                  |               |
| DOMESTIC HOT WATER & DOMESTIC HOT WATER RETURN | ABOVE GROUND | ALL              | TYPE "L" COPPER HARD  | WROT SOLDER             | 95-5 SOLDER                  | 2             |
| NATURAL FUEL GAS                               | ALL          | 2-1/2" & LARGER  | STD. WT. BLACK STEEL  | FORGED SEAMLESS WELD    | WELDED                       | PER CODE      |
|  | ALL          | 2" & SMALLER     | STD. WT. BLACK STEEL  | 150 LB. BLACK MALLEABLE | SCREWED                      | PER CODE      |

NOTES:

1. 10' HEAD OF WATER COLUMN ABOVE LOWEST NEW CONNECTION WITH NO LOSS OF WATER FOR TWO HOURS.
2. 200 PSI WATER PRESSURE FOR TWO HOURS.

**WATER HEATER SCHEDULE**

| CODE | LOCATION | SERVICE | GAS MBH INPUT | TANK CAPACITY | GPH @ 100 F RISE | ELECTRICAL |      |    | WEIGHT (LBS) | HEIGHT (IN) | PART NO.   | MFG.    | REMARKS |
|------|----------|---------|---------------|---------------|------------------|------------|------|----|--------------|-------------|------------|---------|---------|
|      |          |         |               |               |                  | AMP        | VOLT | PH |              |             |            |         |         |
| WH-1 | STORAGE  | DHW     | 150           | 100 GAL       | 178              | 5          | 120  | 1  | 523          | 77          | BTH-150(A) | AOSMITH | 1., 2.  |

REMARKS:

1. 1357 LBS WATER FILLED, 95% THERMAL EFFICIENCY, CONVENTIONAL POWER VENTING (SEE DETAIL 9/P601).
2. PROVIDE CONDENSATE NEUTRALIZATION KIT - P/N 10028939. CONNECT WH-1 TO NEUTRALIZER W/ PVC PIPE.

**PUMP SCHEDULE**

| CODE | LOCATION                 | SERVICE | GPM | FT. HD. | CONN. SIZE | PUMP RPM | MIN % EFF | MOTOR DATA |      |      |    |    | WT LBS | P/N   | MFG. | REMARKS |
|------|--------------------------|---------|-----|---------|------------|----------|-----------|------------|------|------|----|----|--------|-------|------|---------|
|      |                          |         |     |         |            |          |           | WATT       | RPM  | VOLT | PH | HZ |        |       |      |         |
| CP-1 | ADJACENT TO WATER HEATER | DHWR    | 1.4 | 3       | 1/2"       | -        | -         | 44         | 3725 | 120  | 1  | 60 | 2      | 006E3 | TACO | 1., 2.  |

NOTES:

1. COMPOSITE MATERIAL. PROVIDE DIELECTRIC CONNECTIONS IF CONNECTED TO DISSIMILAR METAL.
2. SECURE WITH STEEL STRUTS AND CLAMPS.

**AUTOMATIC GAS SHUT-OFF VALVE SCHEDULE**

| CODE  | LOCATION                     | SERVICE    | ELECTRICAL |     | EQUIPMENT                | MFG.   | REMARKS |
|-------|------------------------------|------------|------------|-----|--------------------------|--------|---------|
|       |                              |            | VOLT       | AMP |                          |        |         |
| SOV-1 | KITCHEN                      | GRILL      |            |     | GAS VALVE ASSEMBLY       | ISIMET | 1.      |
| FLA-1 | KITCHEN (NEXT TO OVEN/RANGE) | GRILLE SOV | 120        | 5   | FLAV2                    | ISIMET | 1.      |
| OGC-1 | NEXT TO GRILL CONNECTION     | GRILL SOV  |            |     | OUTDOOR GRILL CONTROLLER | ISIMET | 1.      |

NOTES:

1. CONNECT SYSTEM PER MANUFACTURER'S INSTRUCTIONS. CONNECT SYSTEM TO FIRE ALARM SYSTEM.

**INSULATION SCHEDULE**

| SYSTEM TYPE                | FLUID TEMP RANGE (°F) | PIPE SIZE            |           |           |        |        | INSULATION TYPE | COVER ON JACKET TYPE | FITTING INSULATION TYPE | FITTING JACKET TYPE |
|----------------------------|-----------------------|----------------------|-----------|-----------|--------|--------|-----------------|----------------------|-------------------------|---------------------|
|                            |                       | <1"                  | 1 1/4"-2" | 2 1/2"-4" | 5"-6"  | 6"     |                 |                      |                         |                     |
|                            |                       | INSULATION THICKNESS |           |           |        |        |                 |                      |                         |                     |
| HEATING HOT WATER DOMESTIC | 105-140               | 1"                   | 1 1/2"    | 1 1/2"    | 1 1/2" | 1 1/2" | 1               | 1                    | 2                       | 4                   |
| DOMESTIC COLD WATER        | N/A                   | 1/2"                 | 1/2"      | 1/2"      | 1"     | 1"     | 1 OR 6          | 1                    | 2 OR 6                  | 4                   |
| REFRIGERANT SUCTION        | N/A                   | 1/2"                 |           |           |        |        | 3               | 5                    | 3                       | 3                   |
| EXTERNAL DUCT WRAP         | N/A                   | 1 1/2"               |           |           |        |        | 2               | N/A                  | N/A                     | N/A                 |

TYPE:

1. GLASS FIBER WITH PREFORMED PIPE INSULATION WITH STANDARD JACKET.
2. GLASS FIBER BLANKET INSULATION WITH VAPOR BARRIER R4.2 MIN.
3. FLEXIBLE ELASTOMETRIC CELLULAR INSULATION (I.E "ARMSTRONG ARNAPLEX")
4. CELLULAR GLASS FORMED PIPE INSULATION.
5. ALUMINUM JACKET.
6. POLYETHYLENE POLYPROPYLENE.

NOTES:

1. ON BRANCH LINES 10' LONG & CONN. DIRECTLY TO FIXTURE OR TERMINAL UNIT USE 1/2" INSULATION.
2. DOMESTIC COLD WATER SHALL NOT BE INSULATED IF AMBIENT TEMPERATURE IS BELOW DEW POINT.
3. FOR DOMESTIC HOT WATER 105°F-140°F, AND CHILLED WATER PIPING ON CONDITIONED SPACE 3" AND SMALLER AND IN A SPACE, USE TYPE 3 INSULATION.

**EXPANSION TANK SCHEDULE**

| SYMBOL | DESCRIPTION    | CAPACITY (GAL) | MAKE & MODEL    | REMARKS |
|--------|----------------|----------------|-----------------|---------|
| ET-1   | EXPANSION TANK | 4.7            | AMTROL ST-447-C | 1,2     |

NOTE:

1. DO NOT PUT SHUT-OFF VALVE BETWEEN WATER INLET AND EXPANSION TANK.
2. PROVIDE AND INSTALL UNION ON INLET TO ET-1.

**SAND OIL INTERCEPTOR SCHEDULE**

| CODE  | LOCATION           | FLOW RATE GPM | DIMENSION          | ELECTRICAL |    |    | WT LBS | P/N       | MFG.   | REMARKS |
|-------|--------------------|---------------|--------------------|------------|----|----|--------|-----------|--------|---------|
|       |                    |               |                    | VOLT       | PH | HZ |        |           |        |         |
| SOI-1 | ASSEMBLY BAY APRON | 100           | 68"L x 33"W x 52"H | 120        | 1  | 60 | 230    | OS-100-SS | STRIEM | 1.      |

NOTES:

1. PROVIDE W/ TRAFFIC RATED ACCESS PANEL COVER.

**List Engineering**

Mechanical Consultants  
 2 Harris Court Suite A7, Monterey, CA 93940  
 Telephone (831) 373-4390 / Facsimile (831) 373-6522  
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 Job No. Z1025.00

STAMP



PROJECT ADDRESS

**217 ARLINGTON AVE.  
KENSINGTON, CA, 94707**

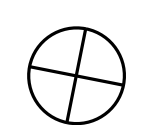
PROJECT TEAM

- CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064
- ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA. 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600
- STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
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 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
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- CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200
- GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 878-4544
- MEP: LIST ENGINEERING CO.  
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- AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
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 CONTACT: PETER MCDONALD  
 T: (415) 255-9140
- ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
|     | ISSUED FOR BUILDING PERMIT | 04-01-22 |

JOB NO.

DESCRIPTION  
 PLUMBING SCHEDULES



**P002**

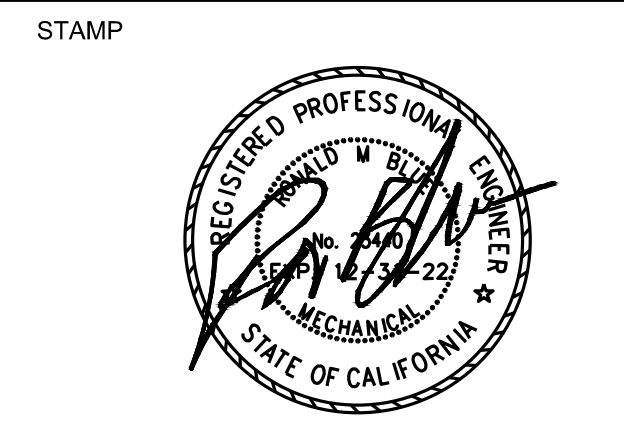




**SHEET NOTES**

1. CONTRACTOR TO VERIFY (E) WASTE BELOW FLOOR PRIOR TO DEMOLITION.
2. PROVIDE (N) CAP TO UNUSED PORTION OF PIPE.
3. PIPING TO GO UNDER STRUCTURAL FOOTING. SEE STRUCTURAL.
4. (E) PIPING TO REMAIN.
5. CONTRACTOR TO PROVIDE UNDERGROUND SURVEY OF PIPE ROUTE PRIOR TO SAWCUT AND EXCAVATION. RESTORE PAVEMENT TO MATCH ADJACENT.
6. PROTECT (E) PIPING TO REMAIN DURING FOUNDATION UPGRADE.
7. VIF (E) WASTE PIPE ROUTING. PROVIDE FCO PER CODE.
8. PROTECT (E) STORM WATER DRAINAGE SYSTEM DURING DEMOLITION. VIF LOCATION OF (E) SYSTEM.

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 Job No. 21025.00



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA, 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
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 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

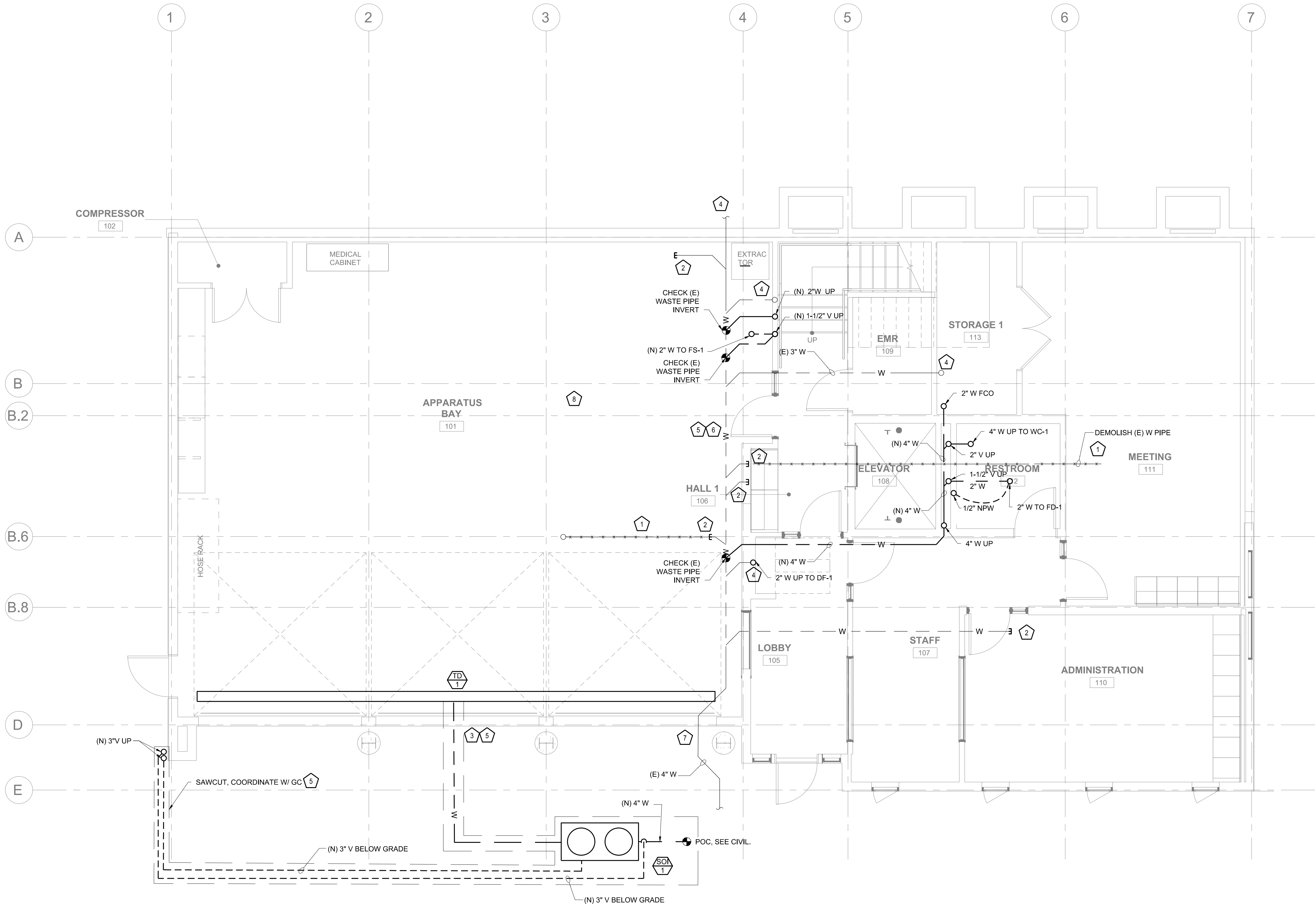
CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

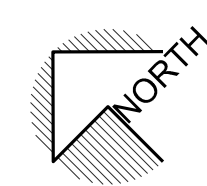
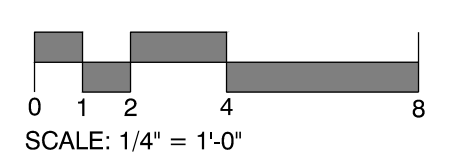
MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626



**1 UNDERGROUND PLUMBING PLAN**  
 P201 SCALE: 1/4" = 1'-0"



| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |
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JOB NO.

DESCRIPTION  
 UNDERGROUND PLUMBING PLAN

**P201**

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.**  
**KENSINGTON, CA, 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
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 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

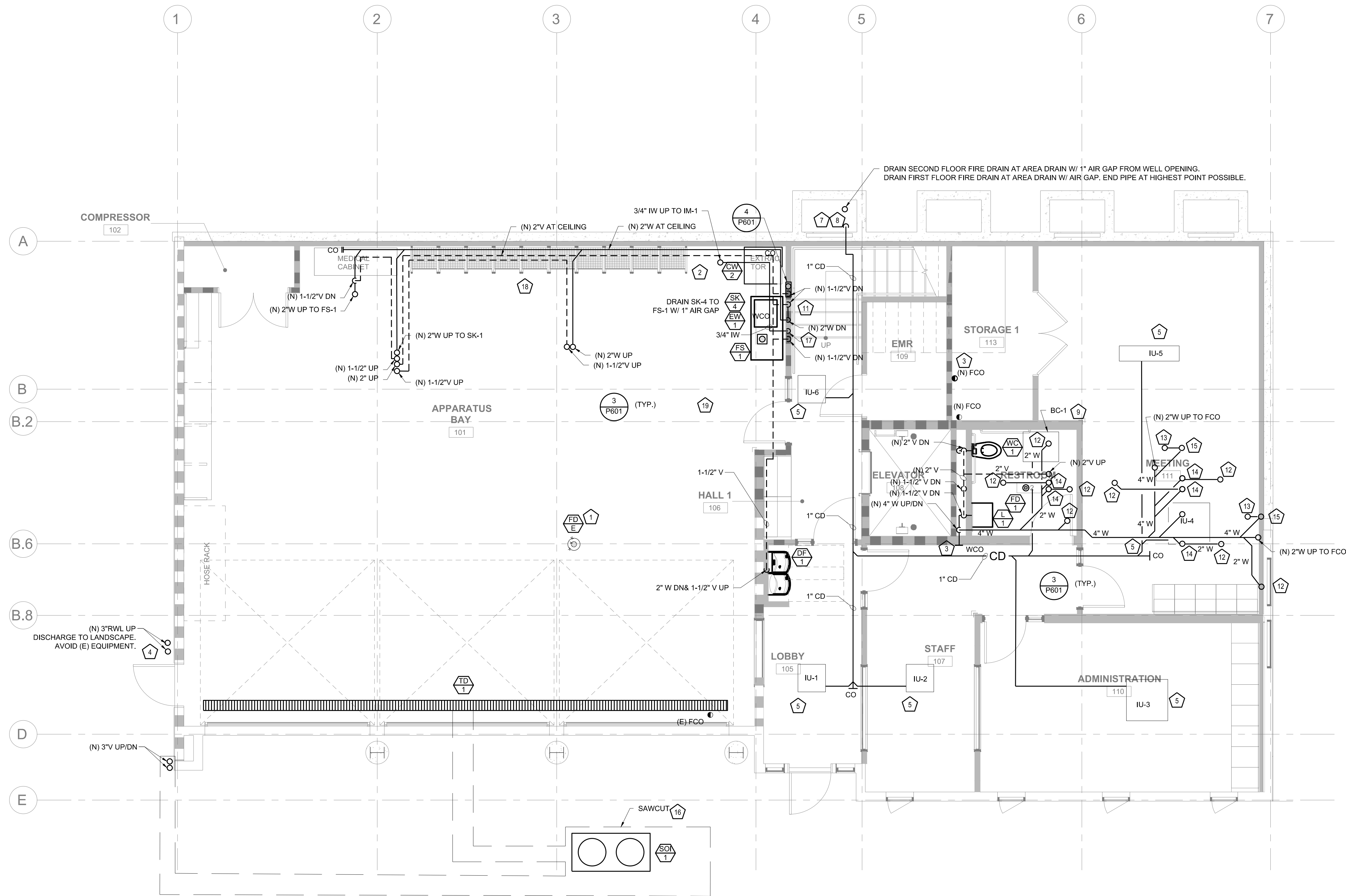
MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

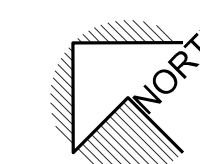
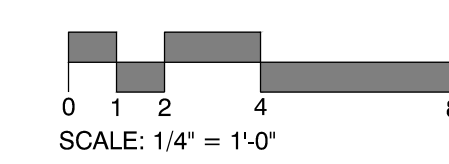
ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

**SHEET NOTES**

- REMOVE (E) FD COMPLETE..
- REMOVE (E) FIXTURES AND PIPING COMPLETE ABOVE FLOOR.
- PROVIDE (N) WCO.
- PROVIDE SPLASH BLOCK.
- PROVIDE CONDENSATE DRAIN, CONTRACTOR TO COORDINATE PIPE ROUTING WITH THE ARCHITECT. INSTALL CD PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
- NOT USED.
- TERMINATE 1" CD TO AREA DRAIN AND PROVIDE AIR GAP. END PIPE AT HIGHEST POINT POSSIBLE.
- CLEAN UP WELL. EXAMINE CONDITION OF (E) AREA DRAIN. REFURBISH IF NECESSARY. PROVIDE WATER DETECTION ALARM AT 1' ABOVE AREA DRAIN.
- PROVIDE DRAIN PAN AND CONNECT 3/4" CD TO MAIN AND PROVIDE WATER DETECTION ALARM THAT SHUT-OFF UNIT WHEN ACTIVATED.
- PIPING TO GO UNDER STRUCTURAL FOOTING. SEE STRUCTURAL.
- CONNECT EXTRACTOR STANDPIPE WASTE TO (N) 2" W DN ALONG WALL ABOVE GRADE. AVOID TRENCHING INTO (E) STRUCTURAL FOOTING.
- (N) 2" W UP.
- (N) 4" W UP.
- (N) 1-1/2" V UP.
- (N) 2" V UP.
- CONTRACTOR TO SAWCUT AND REPAIR TO MATCH (E). COORDINATE WITH CIVIL AND ARCHITECT.
- DRAIN 3/4" INDIRECT WASTE TO FS-1 WITH 1" AIR GAP.
- RUN ALL PIPES AT BACK OF ASSEMBLY BAY INSIDE (N) WALL OR INSIDE (E) SOFFIT.
- PROTECT (E) STORM WATER DRAINAGE SYSTEM DURING DEMOLITION. VIF LOCATION OF (E) SYSTEM.



**1** GROUND FLOOR PLAN  
 SCALE: 1/4" = 1'-0"



| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |
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JOB NO.

DESCRIPTION  
 PLUMBING WASTE, RWL & VENT  
 GROUND FLOOR PLAN

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA, 94707**

PROJECT TEAM

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CONTACT: KAREN MAR  
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CONTACT: ERIC SWANSON  
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GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

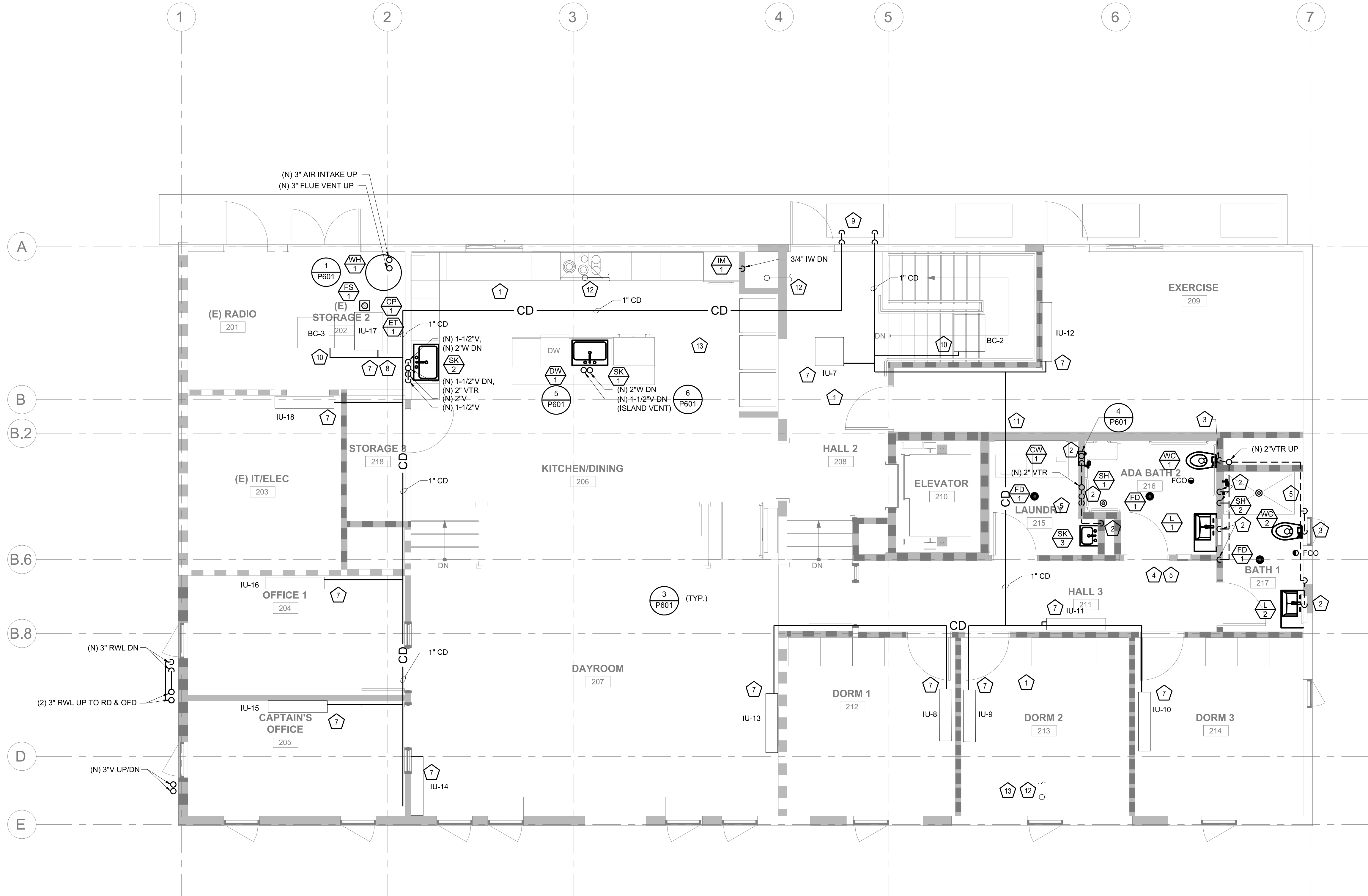
MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

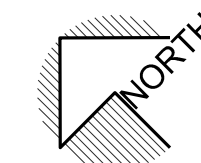
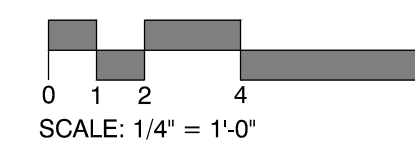
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

**SHEET NOTES**

1. REMOVE (E) FIXTURES AND PIPING COMPLETE.
2. (N) 2"W DN, (N) 1-1/2"V DN.
3. (N) 4"W DN, (N) 2"V UP.
4. ALL WASTE PIPES SERVING BATH 1, BATH 2 AND LAUNDRY RUN IN RAISED FLOOR SPACE.
5. CONNECT VENT PIPING AT CEILING.
6. NOT USED.
7. PROVIDE CONDENSATE DRAIN. CONTRACTOR TO COORDINATE PIPE ROUTING WITH THE ARCHITECT. INSTALL CD PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
8. PROVIDE SECONDARY DRAIN PAN AND WATER DETECTION ALARM THAT SHUT-OFF THE UNIT WHEN ACTIVATED.
9. TERMINATE 1" CD TO AREA DRAIN WITH MIN. 1" AIR GAP FROM WELL OPENING.
10. PROVIDE DRAIN PAN AND CONNECT 3/4" CD TO MAIN AND PROVIDE WATER DETECTION ALARM THAT SHUT-OFF UNIT WHEN ACTIVATED.
11. PENETRATE SHEAR WALL WITHIN THE 12" WIDE PENETRATION WITH REFRIGERANT PIPING.
12. VIF LOCATION OF (E) STORMWATER PIPING INSIDE BUILDING. IF (E) PIPE PENETRATE SHEAR WALL/ JOIST/ CONFLICTS W/ (N) MECH EQUIPMENT, REROUTE PIPE TO RUN INSIDE NON-SHEAR WALL, AND RECONNECT TO (E) SYSTEM AT LOCATIONS DOWNSTREAM OF ORIGINAL CONNECTION POINT. COOR. W/ STRUCTURAL FOR SHEAR WALL AND JOIST LOCATIONS.
13. PROTECT (E) STORM WATER DRAINAGE SYSTEM DURING DEMOLITION. VIF LOCATION OF (E) SYSTEM.



**1 SECOND FLOOR PLAN**  
P203 SCALE: 1/4" = 1'-0"



| NO. | DESCRIPTION                | DATE     |
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| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |
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JOB NO.

DESCRIPTION  
PLUMBING WASTE, RWL & VENT  
SECOND FLOOR PLAN

SHEET NOTES

- 1. DISCHARGE CONDENSATE ON ROOF AT SAFE LOCATIONS. ROOF SURFACE SLOPED FOR CONDENSATE TO DRAIN TO ROOF DRAINS.
- 2. PROTECT AND PRESERVE (E) SCUPPERS.
- 3. INSTALL (N) RD-1 AT (E) ROOF DRAIN LOCATIONS. VIF EXACT LOCATIONS. RELOCATE ROOF DRAIN SLIGHTLY IF CONFLICTS W/ (N) MECH EQUIPMENT.
- 4. TOTAL ROOF AREA: 3870 SQFT  
RAINFALL RATE: 1.5 IN/HR  
3/4 ROOF AREA DRAINS TO RD-1 AND (E) RWL INSIDE BUILDING.  
3/4 ROOF AREA: 2903 SQFT  
(E) ROOF AREA: 3320 SQFT  
1/4 ROOF AREA DRAINS TO RD-2 AND (N) 3" RWL.  
1/4 ROOF AREA: 968 SQFT

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Job No. 21025.00

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PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA, 94707**

PROJECT TEAM

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CONTACT: KAREN MAR  
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1390 EL CAMINO REAL STE 100  
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CONTACT: MATT FRANTZ  
T: (650) 394-8869

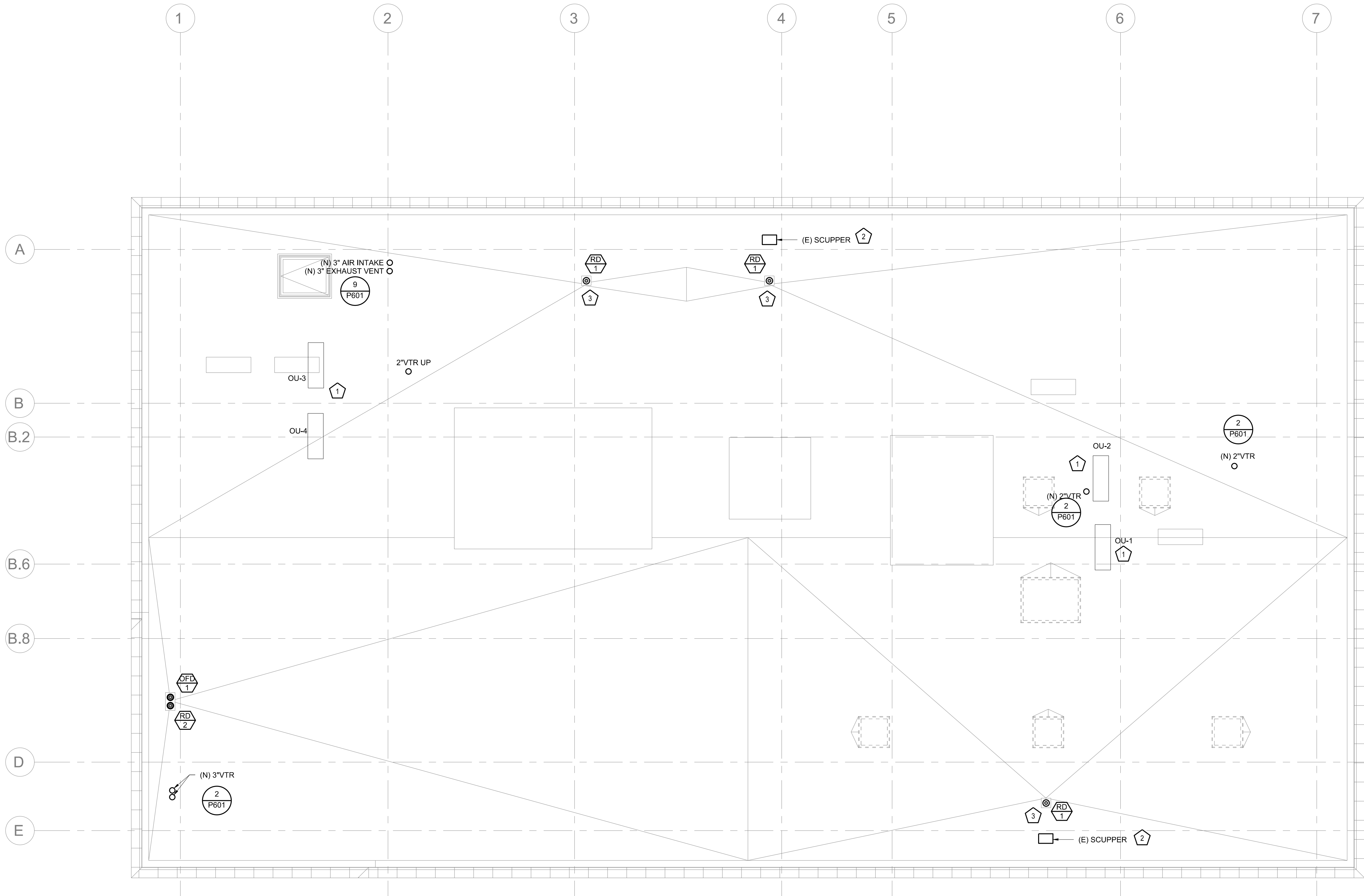
CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

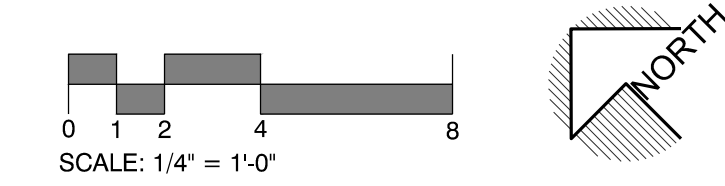
MEP: LIST ENGINEERING CO.  
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CONTACT: RON BLUE  
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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ESTIMATOR: MICROESTIMATION INC.  
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T: (415) 826-9626



**1 ROOF PLAN**  
P204 SCALE: 1/4" = 1'-0"



| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |
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JOB NO.

DESCRIPTION  
PLUMBING WASTE & VENT  
ROOF PLAN

**P204**

**SHHEET NOTES**

1. REMOVE (E) FIXTURES AND PIPING COMPLETE ABOVE FLOOR.
2. ALL PIPING AT CEILING.
3. POC TO (E) GAS METER. PROVIDE (N) 1-1/2" GAS WITH SEISMIC VALVE AND FLEXIBLE CONNECTION. CONTRACTOR TO COORDINATE WITH PG&E.
4. CONNECT 1/2" GAS TO IR. PROVIDE SOV, FLEX CONNECTION AND DIRT TRAP.
5. (N) 1/2" DCW UP, (N) 1/2" DHW UP
6. (N) 1" DCW UP.
7. RUN ALL PIPES AT BACK OF ASSEMBLY BAY INSIDE (N) WALL OR INSIDE (E) SOFFIT.

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA, 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
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 CONTACT: KAREN MAR  
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 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
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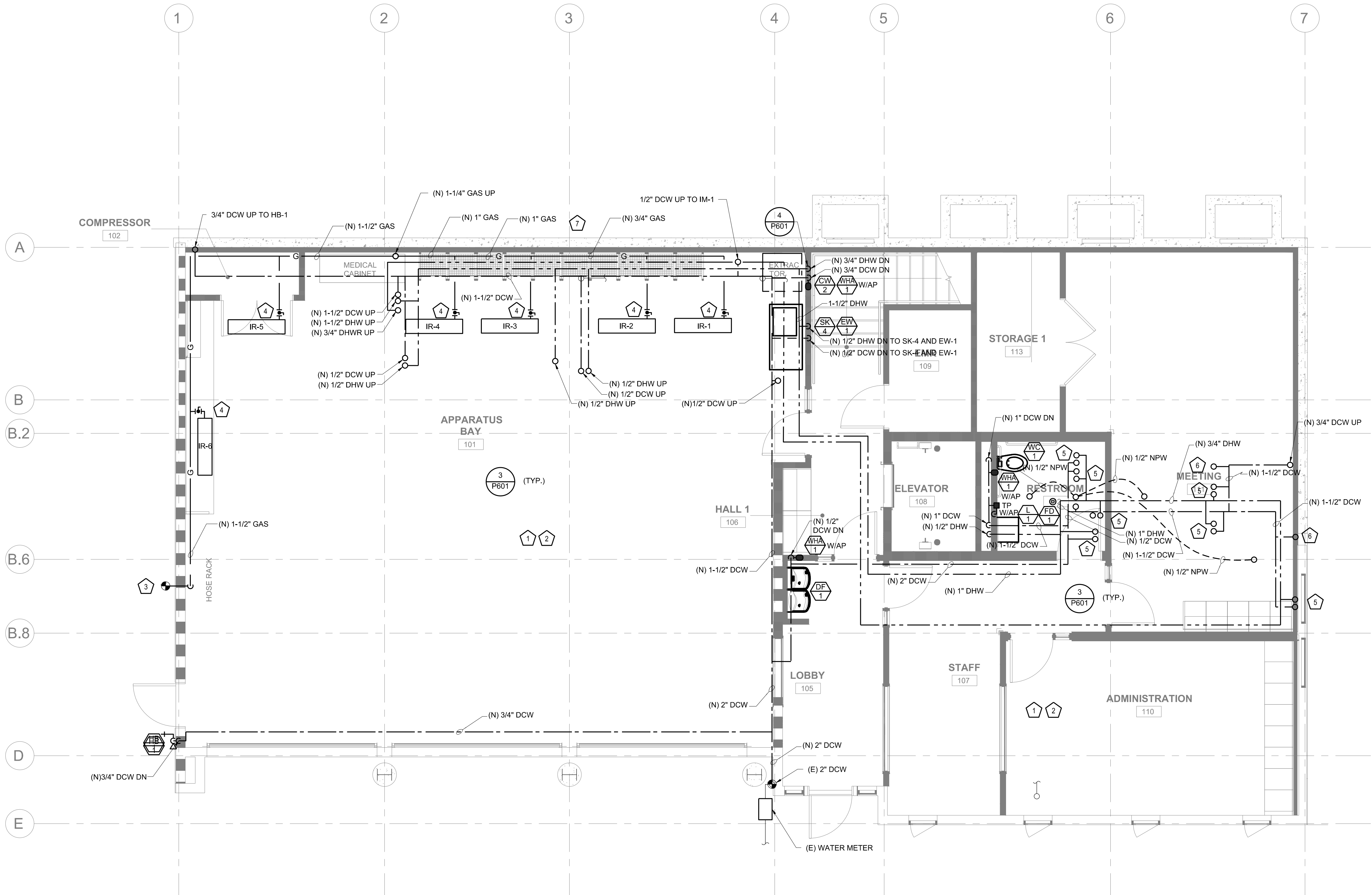
CIVIL: BKF ENGINEERS  
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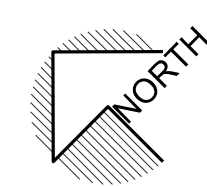
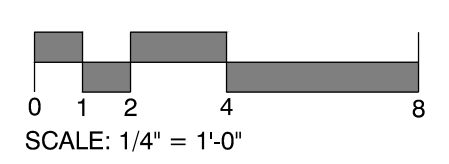
MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
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 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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ESTIMATOR: MICROESTIMATION INC.  
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 SAN FRANCISCO, CA 94110  
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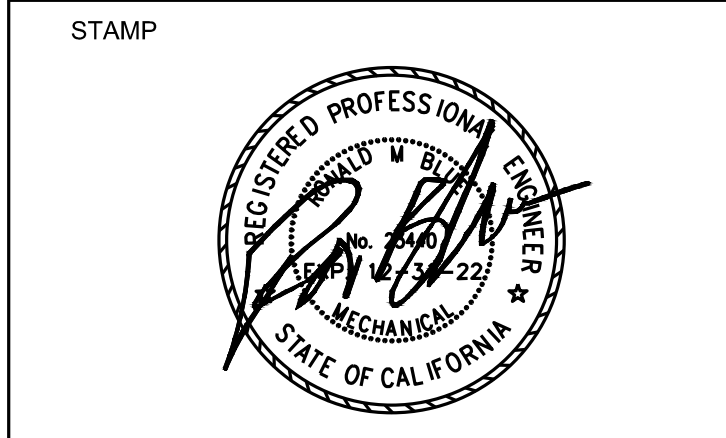
**1** GROUND FLOOR PLAN  
 P205 SCALE: 1/4" = 1'-0"



| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |
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JOB NO.

DESCRIPTION  
 PLUMBING DCW, DHW & GAS  
 GROUND FLOOR PLAN



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA, 94707**

PROJECT TEAM

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 KENSINGTON, CA 94707  
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 CONTACT: KAREN MAR  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
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CIVIL: BKF ENGINEERS  
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 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
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 T: (510) 879-4544

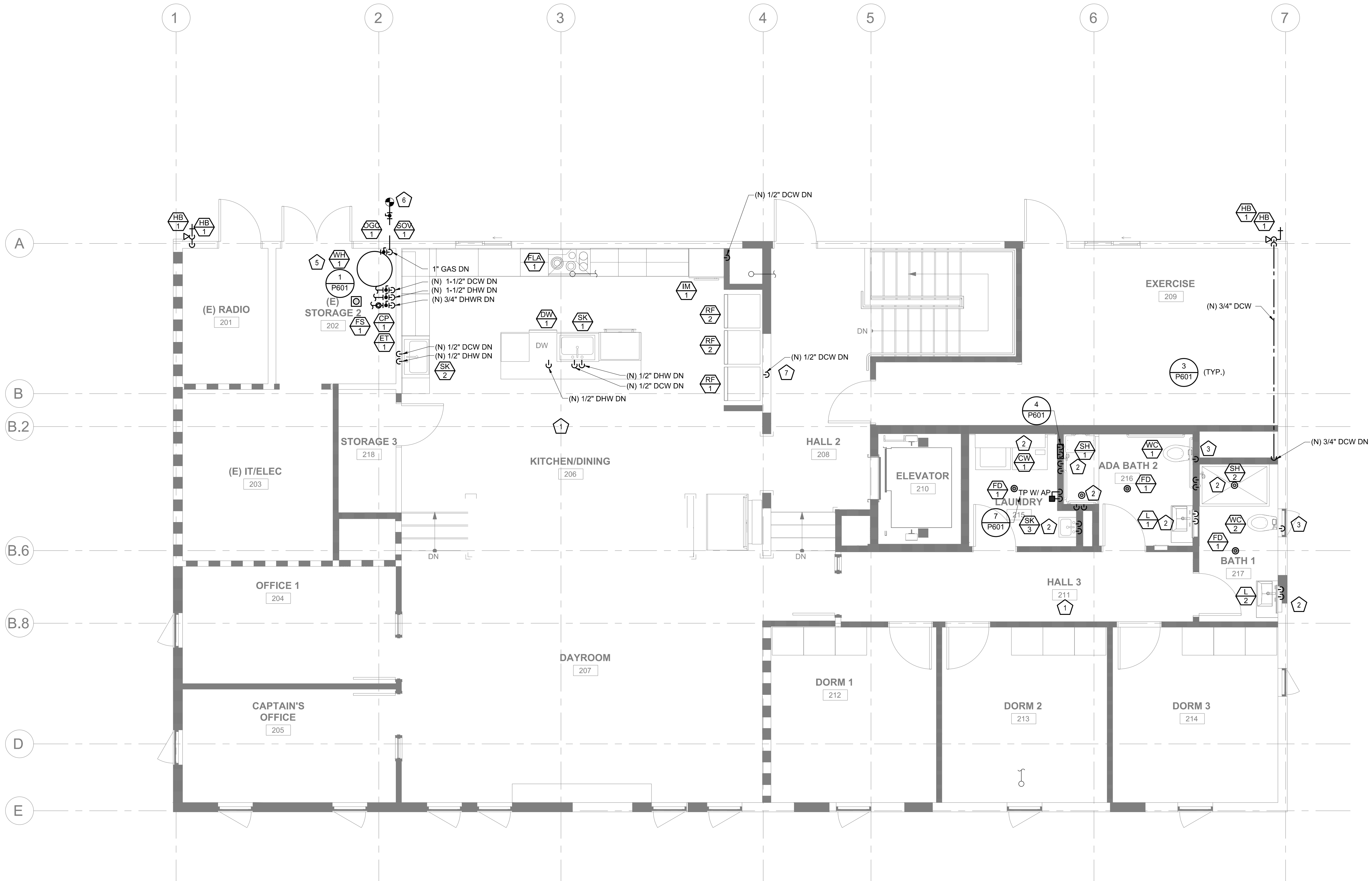
MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

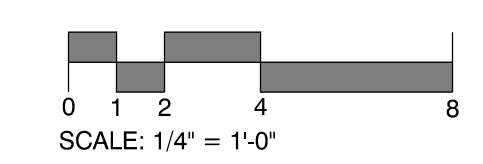
ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

**SHEET NOTES**

- REMOVE (E) FIXTURES AND PIPING COMPLETE.
- (N) 1/2"DCW DN, (N) 1/2"DHW DN
- (N) 1" DCW DN
- NOT USED.
- PROVIDE 3/4" GAS TO WH-1 WITH SOV, FLEX CONNECTION, AND DIRT TRAP.
- POC TO (E) GRILL OUTDOOR. PROVIDE AUTOMATIC SOV. SEE SCHEDULE.
- PROVIDE DCW CONNECTION TO EACH RF-1 AND RF-2.



**1 SECOND FLOOR PLAN**  
 P205 SCALE: 1/4"=1'-0"



| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |
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JOB NO.

DESCRIPTION  
 PLUMBING DCW, DHW & GAS  
 SECOND FLOOR PLAN



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA, 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
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| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |

JOB NO.

DESCRIPTION  
 DETAILS

**P601**

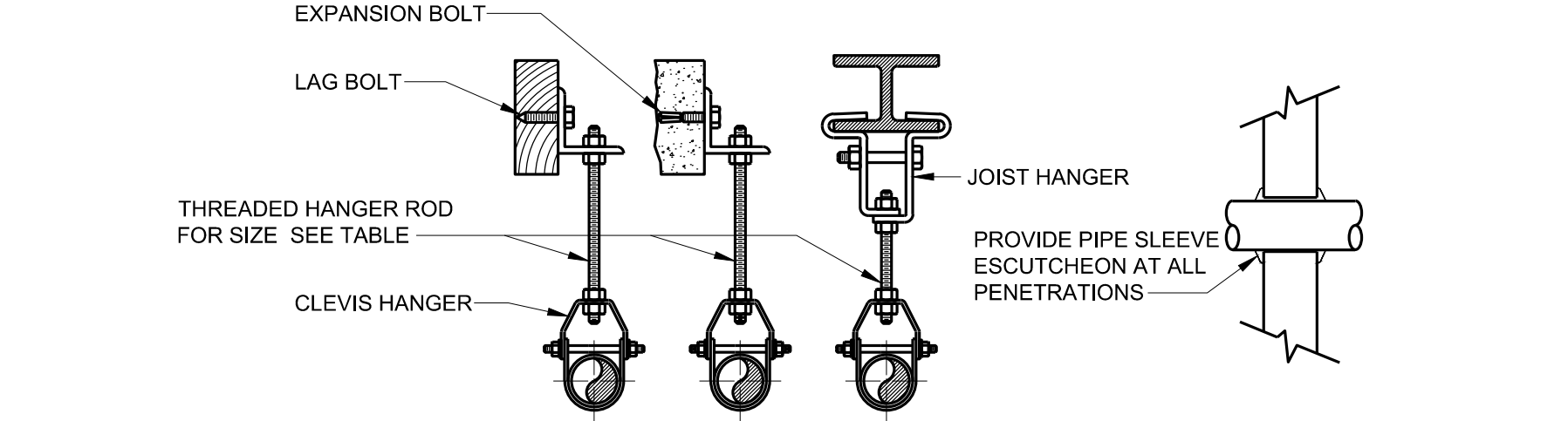
**HANGERS AND PIPING SUPPORTS**

| SIZE OF PIPE (INCH)                       | SPACING OF SUPPORTS (FEET) |                               | TYPE OF JOINT      |
|---|----------------------------|-------------------------------|--------------------|
|   | HORIZONTAL                 | VERTICAL                      |                    |
| GAS PIPING (STEEL, BRASS & TINNED COPPER) |                            |                               |                    |
| 1/2"                                      | 6'                         | 6'                            | THREADED OR WELDED |
| 3/4"-1"                                   | 8'                         | 8'                            |                    |
| 1-1/4" AND LARGER                         | 10'                        | EVERY FLOOR LEVEL             |                    |
| WATER OR DWV PIPING (STEEL & BRASS)       |                            |                               |                    |
| 3/4" & SMALLER                            | 10'                        | EVERY OTHER FLOOR             | THREADED OR WELDED |
| 1" AND LARGER                             | 12'                        | NOT TO EXCEED 25'             |                    |
| COPPER TUBE & PIPE                        |                            |                               |                    |
| 1-1/2" & SMALLER                          | 6'                         | EACH FLOOR, NOT TO EXCEED 10' | SOLDERED OR BRAZED |
| 2" AND LARGER                             | 10'                        |                               |                    |

2019 CALIFORNIA PLUMBING CODE TABLES 313.1 & TABLE 1210.2.4.1

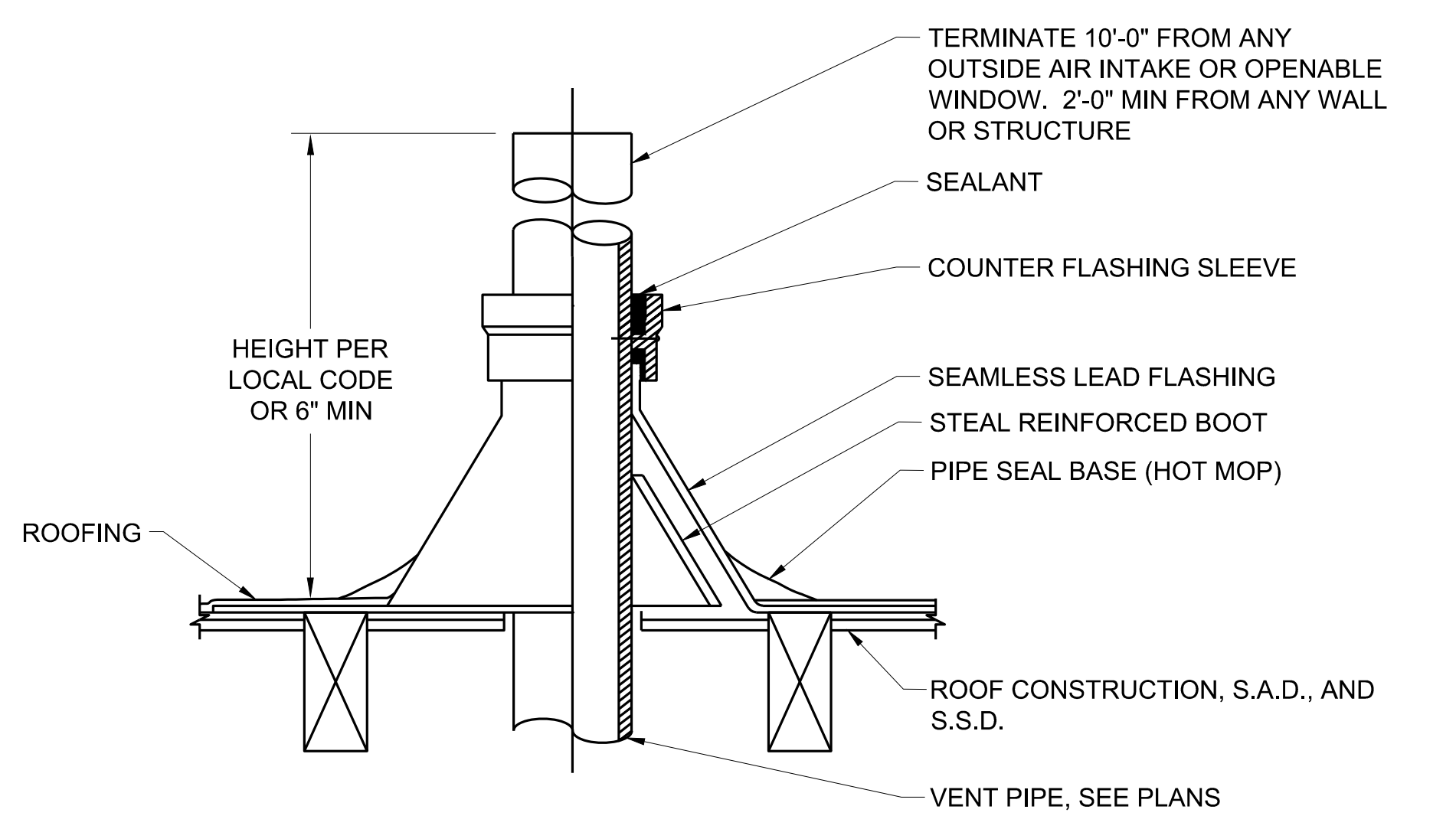
| PIPE SIZE  | THREADED HANGER ROD SIZE |
|------------|--------------------------|
| 1/2" TO 4" | 3/8"                     |
| 5" TO 8"   | 1/2"                     |
| 10" TO 12" | 5/8"                     |

2019 CALIFORNIA PLUMBING CODE TABLES 313.6

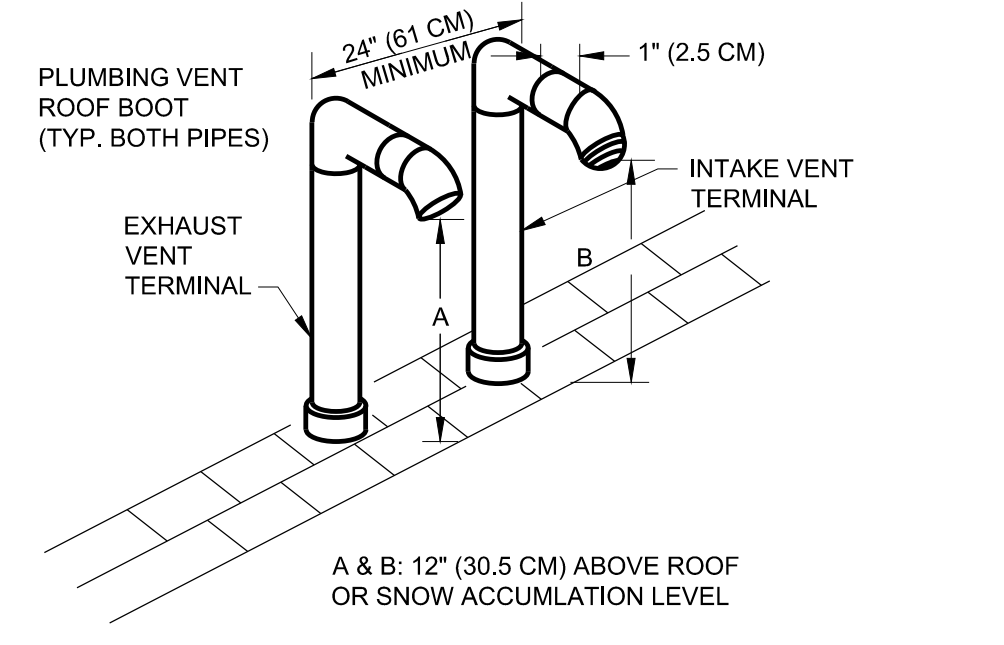


INSTALL LISTED PIPE HANGER SUPPORT COMPONENTS PER MFR. RECOMMENDATIONS. VERIFY ALL ATTACHMENT TO STRUCTURE WITH STRUCTURAL ENGINEER PRIOR TO INSTALLATION. PIPE HANGERS AND SUPPORTS, MATERIALS, DESIGN AND MANUFACTURE SHALL CONFORM TO ANSIMPSS SP-58.

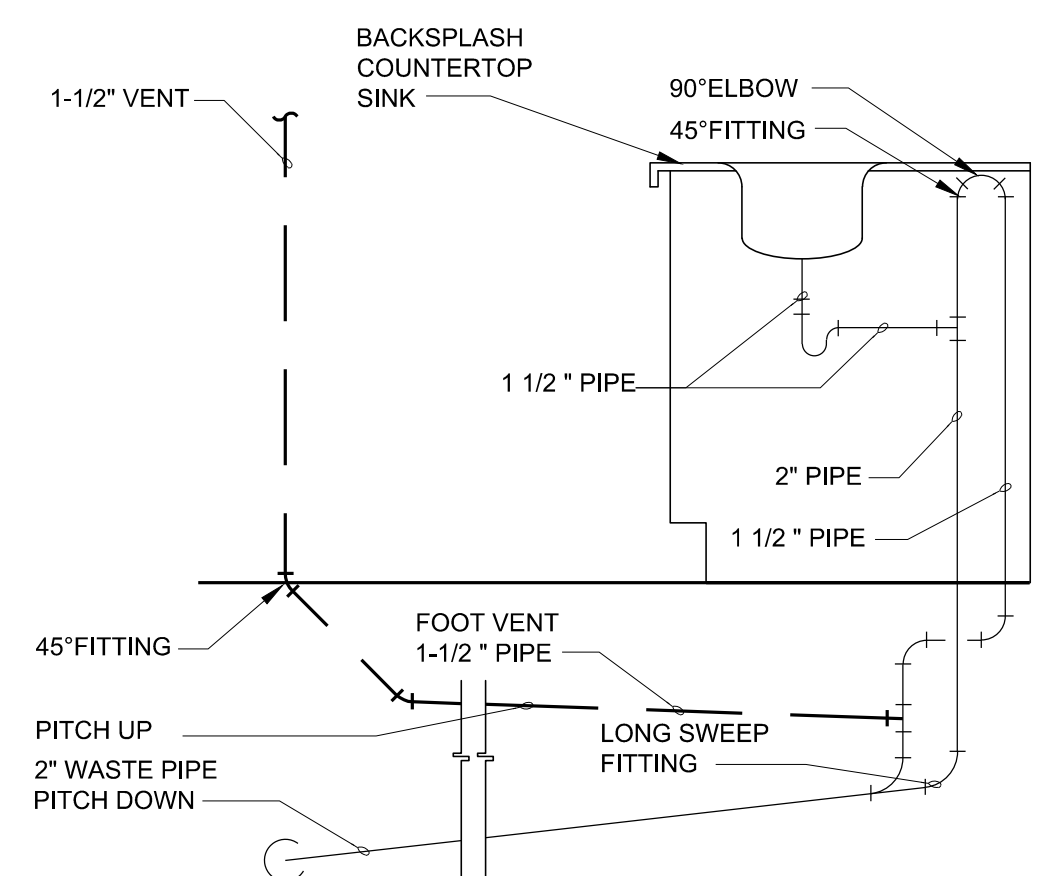
**3 PIPE SUPPORT**  
 P601 NO SCALE



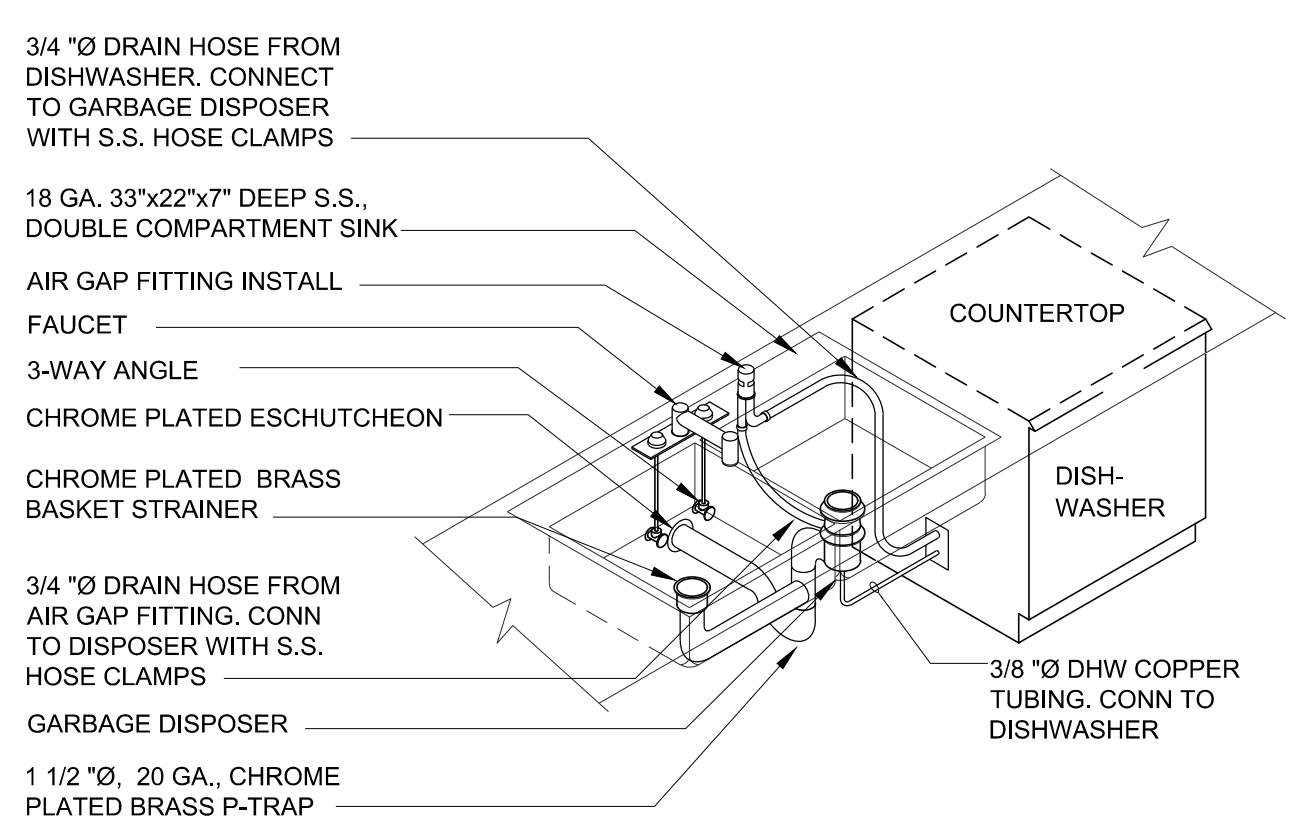
**2 VENT THROUGH ROOF**  
 P601 NO SCALE



**9 VERTICAL VENT TERMINATION**  
 P601 NO SCALE

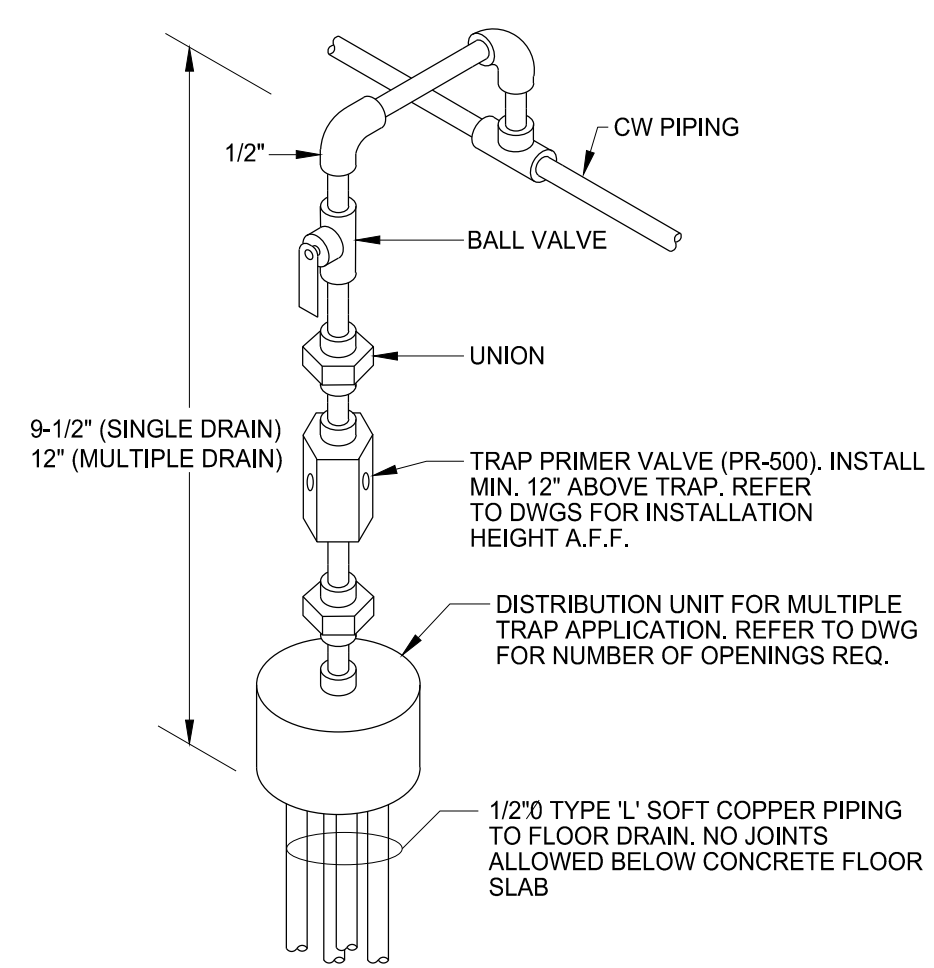


**6 ISLAND SINK VENT DETAIL**  
 P601 NO SCALE SEE PLAN VIEW

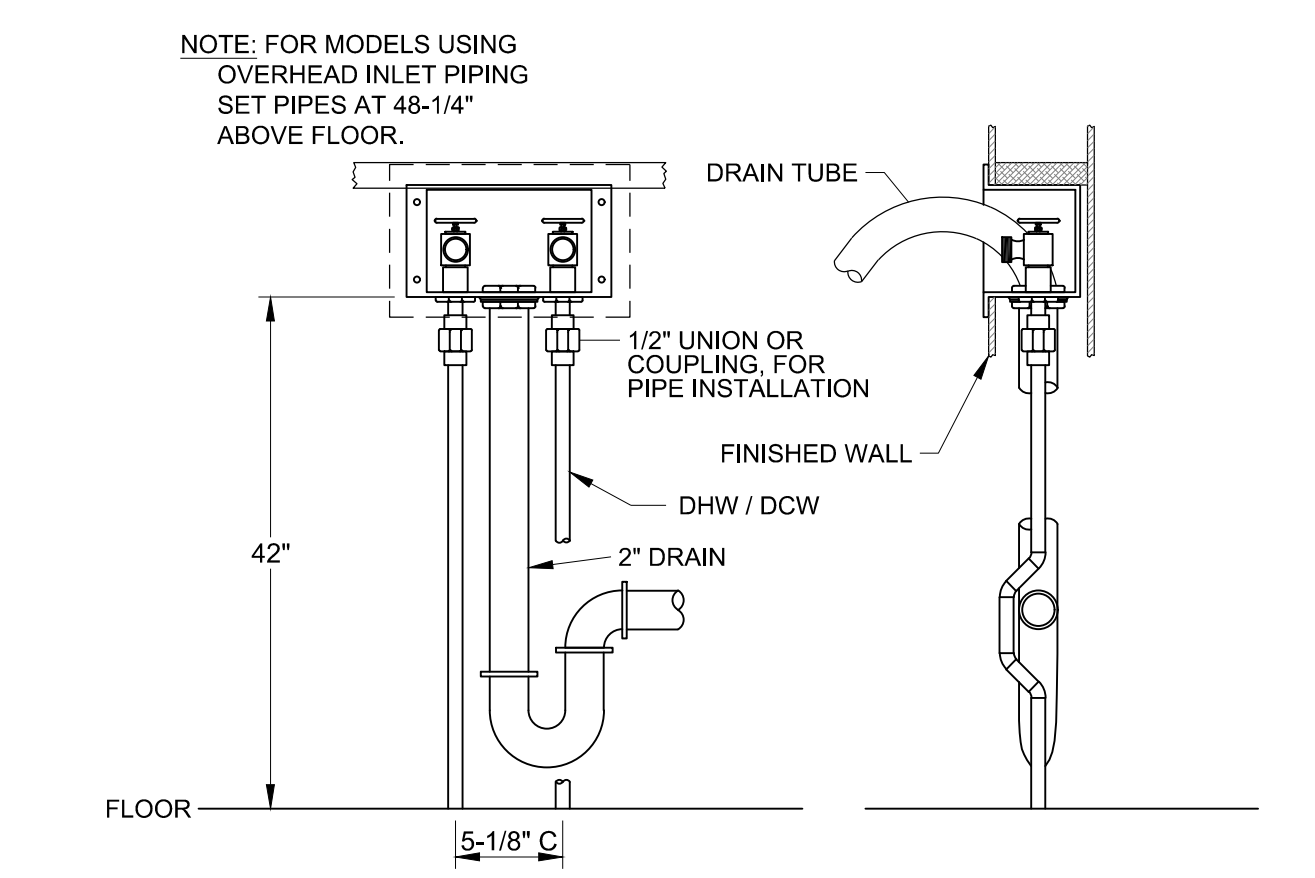


**5 SINK / DISHWASHER / DISPOSER DETAIL**  
 P601 NO SCALE

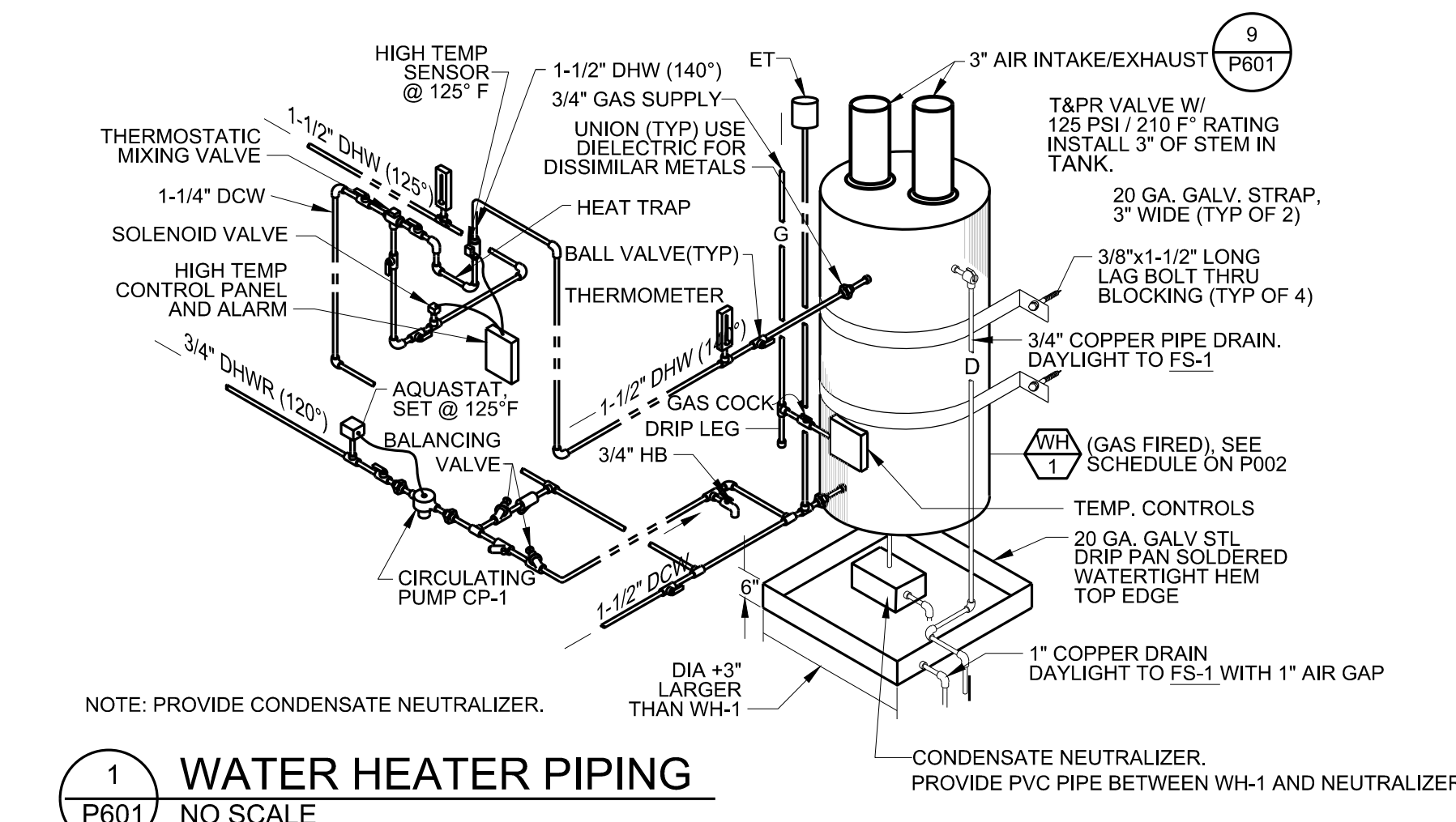
**8 NOT USED**  
 P601 NO SCALE



**7 TRAP PRIMER**  
 P601 NO SCALE



**4 CLOTHES WASHER WALL BOX**  
 P601 NO SCALE



**1 WATER HEATER PIPING**  
 P601 NO SCALE



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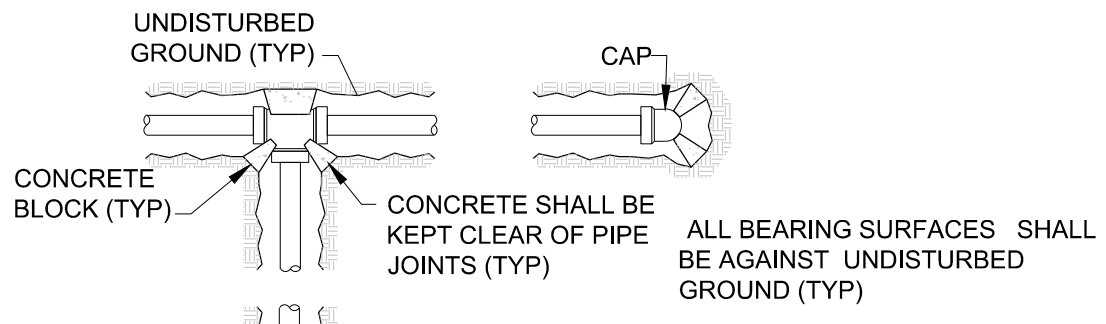
DESCRIPTION  
 FIRE PROTECTION TITLE SHEET

**FP001**

| SYMBOLS & ABBREVIATIONS (FIRE PROTECTION)          |   |
|--|---|
| ALARM BELL   | AC ASBESTOS CEMENT                        |
| AT ABOVE FINISH FLOOR                              | AFF ABOVE FINISH FLOOR                    |
| BUTTERFLY VALVE                                    | AFG ABOVE FINISH GRADE                    |
| CHECK VALVE  | BFV BUTTERFLY VALVE                       |
| DETECTOR CHECK VALVE                               | CI CAST IRON                              |
| DRAIN PIPE   | CLG CEILING                               |
| FIRE HYDRANT (2 HOSE OUTLET)                       | CONC. CONCRETE                            |
| FIRE HYDRANT (2 HOSE OUTLET AND PUMPER CONNECTION) | CV CHECK VALVE                            |
| (E) FIRE SPRINKLER PIPING                          | DCV DETECTOR CHECK VALVE                  |
| (N) FIRE SPRINKLER PIPING                          | DN DOWN                                   |
| FIRE SPRINKLER PIPING - UNDERGROUND (UG)           | DSP DRY STANDPIPE                         |
| FIRE SPRINKLER RISER                               | (E) EXISTING                              |
| FLOW DETECTOR SWITCH                               | EC ELECTRICAL CONTRACTOR                  |
| TWO WAY SEISMIC RESTRAINT                          | EQB EARTHQUAKE BRACE                      |
| FOUR WAY SEISMIC RESTRAINT                         | FDC FIRE DEPARTMENT CONNECTION            |
| GATE VALVE   | FH FIRE HYDRANT                           |
| MAIN TAP   | FS FIRE SPRINKLER                         |
| O S AND Y VALVE                                    | FSC FIRE SPRINKLER CONTRACTOR             |
| POST INDICATING VALVE                              | GPM GALLONS PER MINUTE                    |
| CONNECTION (FREE STANDING) SIAMESE FIRE DEPARTMENT | HV HOSE VALVE                             |
| CONNECTION (WALL TYPE) SIAMESE FIRE DEPARTMENT     | MJ MECHANICAL JOINT                       |
| SPRINKLER HEAD: FLUSH                              | (N) NEW                                   |
| SPRINKLER HEAD: PENDENT                            | NFPA NATIONAL FIRE PROTECTION ASSOCIATION |
| SPRINKLER HEAD: SIDEWALL                           | NIC NOT IN CONTRACT                       |
| SPRINKLER HEAD: UPRIGHT                            | NTS NOT TO SCALE                          |
| VALVE BOX  | PIV POST INDICATION VALVE                 |
| VALVE WITH TAMPER DETECTOR/SWITCH                  | OS&Y OUTSIDE SCREW AND YOKE               |
| WATER TOWER/TANK ABOVE-GROUND HORIZONTAL           | PSI POUNDS PER SQUARE INCH                |
| WATER TOWER/TANK ABOVE-GROUND VERTICAL             | PVC POLYVINYL CHLORIDE                    |
| 'U' HOOK   | REQ'D REQUIRED                            |
| WRAP AROUND 'U' HOOK                               | SHT. MTL. SHEET METAL                     |
| SIDE BEAM BRACKET ROD                              | SQ. FT. SQUARE FEET                       |
| COACH SCREW ROD                                    | ST STEEL                                  |
|  | TYP TYPICAL                               |
|  | W/ WITH                                   |
|  | WSP WET STANDPIPE                         |

**GENERAL FIRE PROTECTION NOTES**

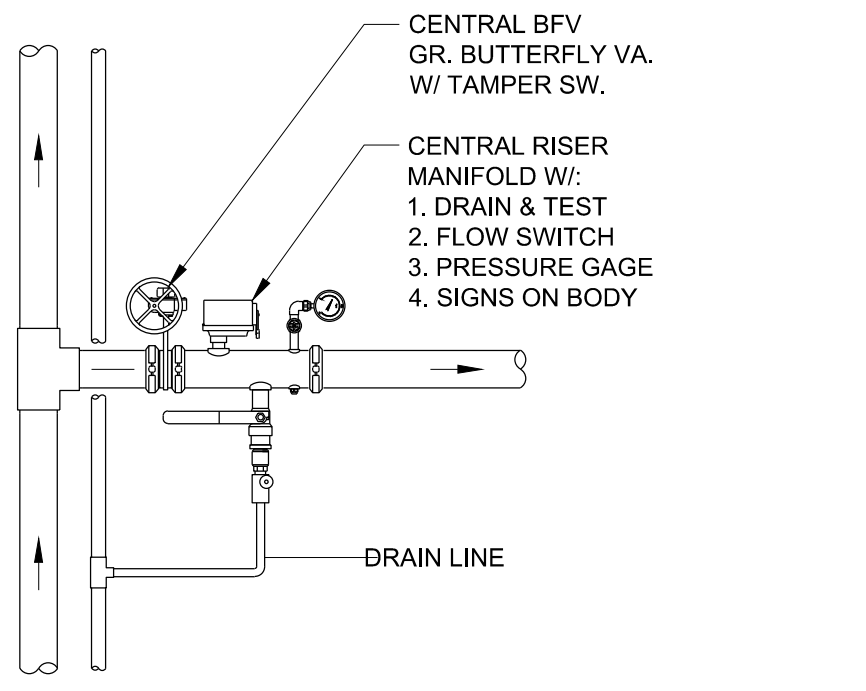
- ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA MECHANICAL PLUMBING, BUILDING AND FIRE CODES, NATIONAL FIRE PROTECTION CODES, AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING THE 2019 CALIFORNIA ENERGY CONSERVATION STANDARDS OF TITLE 24.
- REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLANS AND LOCATIONS OF CONCEALED SPACES, AND OTHER ARCHITECTURAL FEATURES THAT REQUIRE FIRE SPRINKLERS AS PER NFPA #13.
- REFER TO ELECTRICAL DRAWINGS FOR TYPE AND LOCATION OF LIGHT FIXTURES.
- REFER TO THE MECHANICAL DRAWINGS FOR DUCTWORK AND GRILLE LOCATIONS.
- REFER TO STRUCTURAL DRAWING FOR LOCATIONS OF BEAMS, SHEAR WALLS AND MEMBERS. ALL DRILLING OF STRUCTURAL BEAMS AND MEMBERS TO BE COORDINATED WITH THE STRUCTURAL ENGINEER. ALL HOLES SHALL BE MINIMUM SIZE AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO DRILLING.
- PROVIDE HIGH TEMPERATURE HEADS AS REQUIRED BY NFPA #13 AT OR NEAR HEATING EQUIPMENT (I.E., BOILER AND FURNACES, FLUES IN MECHANICAL ROOMS, SKYLIGHTS, ETC.).
- EXPOSED PIPING ALLOWED ONLY IN PARKING GARAGE.
- SPRINKLERS EXPOSED TO WEATHER SHALL BE OF THE WAX COATED OR CORROSION RESISTANT TYPE.
- ESCUTCHEONS IN FINISHED AREAS.
- DESIGN AND INSTALLATION SHALL CONFORM WITH NFPA PAMPHLETS.
- ALL MATERIALS AND DEVICES TO BE UL LISTED.
- SPRINKLER CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CATALOG DATA FOR ALL UL AND FM APPROVED COMPONENTS AND DEVICES TO THE CITY OF KENSINGTON FIRE MARSHAL'S OFFICE FOR APPROVAL AND OBTAIN PERMITS PRIOR TO INSTALLATION.
- SPRINKLER CONTRACTOR SHALL SUBMIT SPRINKLER HEAD LAYOUT ON ARCHITECTURAL REFLECTED CEILING PLANS FOR ARCHITECTURAL APPROVAL PRIOR TO ANY PIPING DESIGN AND/OR CALCULATIONS.
- NFPA CLASSIFICATION:  
 PARKING GARAGE/ MACHINE SHOP: ORDINARY HAZARD, GROUP ONE.  
 DORM/OFFICE: LIGHT HAZARD
- FIRE HYDRANT FLOW TEST DATA:  
 DATE: 10/21/2021  
 HYDRANT: 6CM56  
 LOCATION: EAST SIDE OF ARLINGTON AVENUE, 385 FT SOUTH OF OBERLIN AVENUE  
 STATIC PRESSURE: 123 PSI  
 RESIDUAL PRESSURE: 99 PSI  
 FLOW: 1500 GPM  
 PREDICTED FLOW AT 20 PSI: XXXX GPM



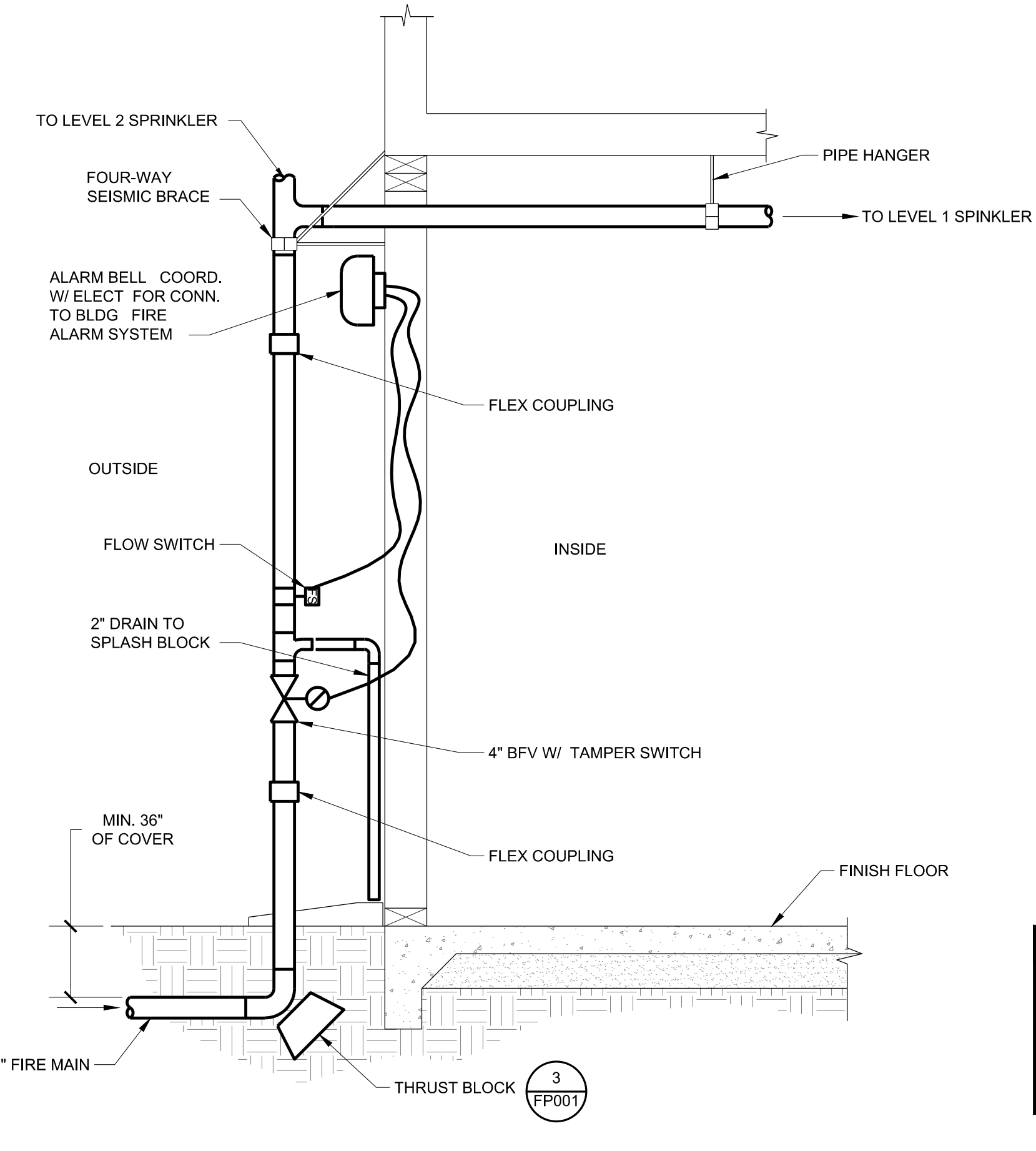
AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS.

| PIPE SIZE INCHES | 90° BEND SQ. FT. | 45° BEND SQ. FT. | TEE, PLUGS, CAPS, AND HYDRANTS SQ. FT. |
|------------------|------------------|------------------|--|
| 4                | 2                | 2                | 2                                      |
| 6                | 5                | 3                | 4                                      |
| 8                | 8                | 5                | 6                                      |

AREA IN TABLE HAVE BEEN DERIVED USING A WATER PRESSURE OF 225 POUNDS PER SQUARE INCH (15.5 BARS) AND A SOIL RESISTANCE OF 2,000 POUNDS PER SQUARE FOOT (1.0 BARS). THE VALUES GIVEN IN THIS TABLE INCLUDE A DESIGN SAFETY FACTOR OF 1.5.



**2 FLOOR VALVE CONTROL ASSEMBLY**  
 NO SCALE



**1 FIRE SPRINKLER RISER DETAIL**  
 NO SCALE

| DWG # | DRAWING DESCRIPTION                 |
|-------|-------------------------------------|
| FP001 | FIRE PROTECTION - TITLE SHEET       |
| FP201 | FIRE PROTECTION - GROUND FLOOR PLAN |
| FP202 | FIRE PROTECTION - SECOND FLOOR PLAN |

**3 THRUST BLOCK DETAIL**  
 NO SCALE



**SHEET NOTES**

- COORDINATE LOCATION OF THE BACKFLOW, FDC AND PIV WITH CIVIL.
- PROVIDE FIRE SPRINKLERS IN CEILING SPACE.

**List Engineering**  
 Mechanical Consultants  
 2 Harris Court Suite A7, Monterey, CA 93940  
 Telephone (831) 373-4390 / Facsimile (831) 373-6522  
 www.listengineering.com © LEC 2021  
 Job No. 21025.00

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA, 94707**

PROJECT TEAM

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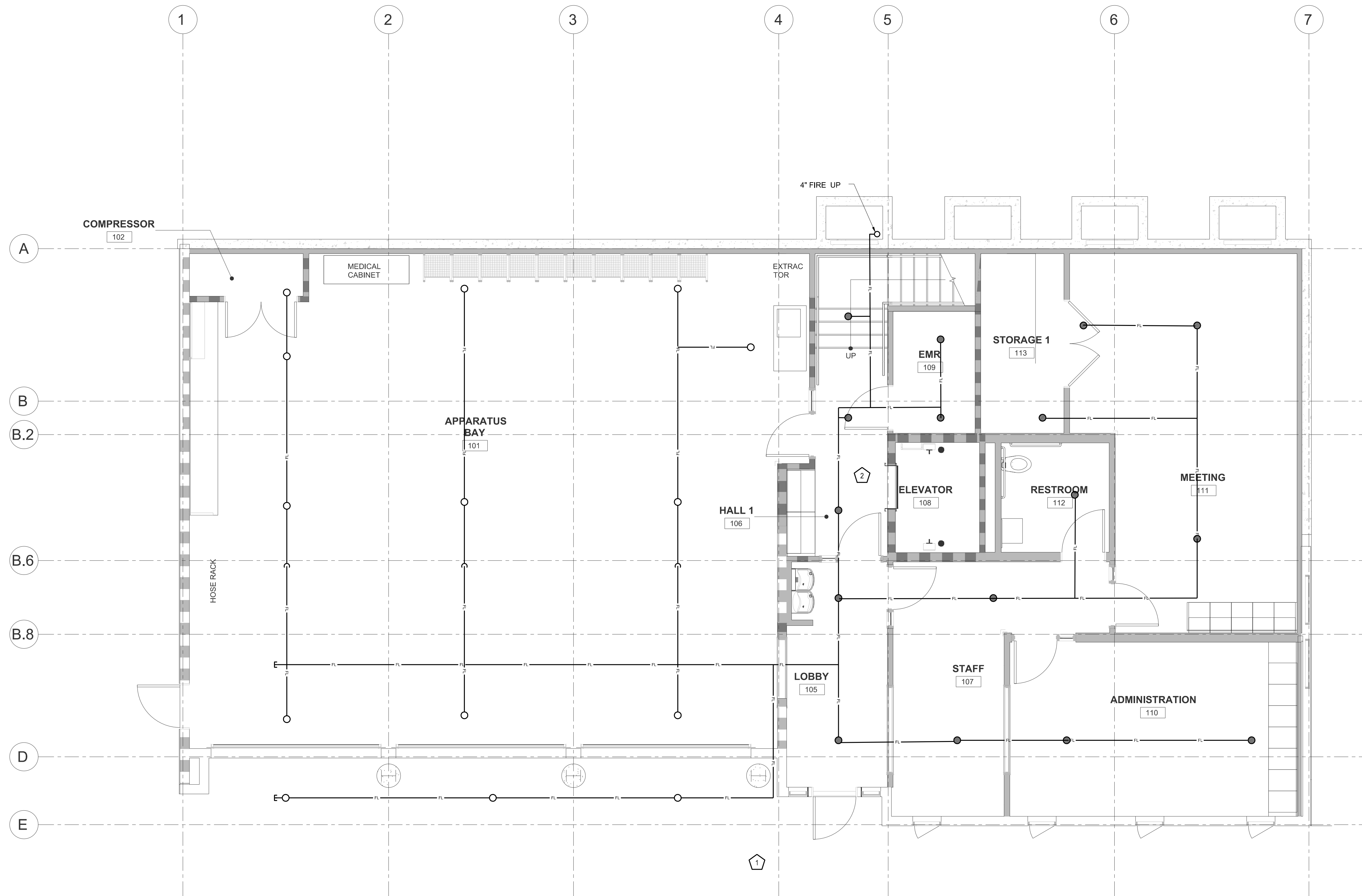
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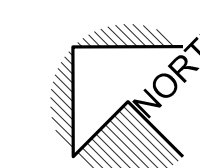
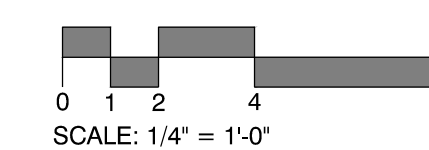
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**1 GROUND FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"



| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |
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JOB NO.

DESCRIPTION  
 FIRE PROTECTION GROUND FLOOR PLAN

**FP201**

**SHEET NOTES**

1. PROVIDE FIRE SPRINKLERS IN FLOOR CAVITY AND CEILING SPACE.

STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.**  
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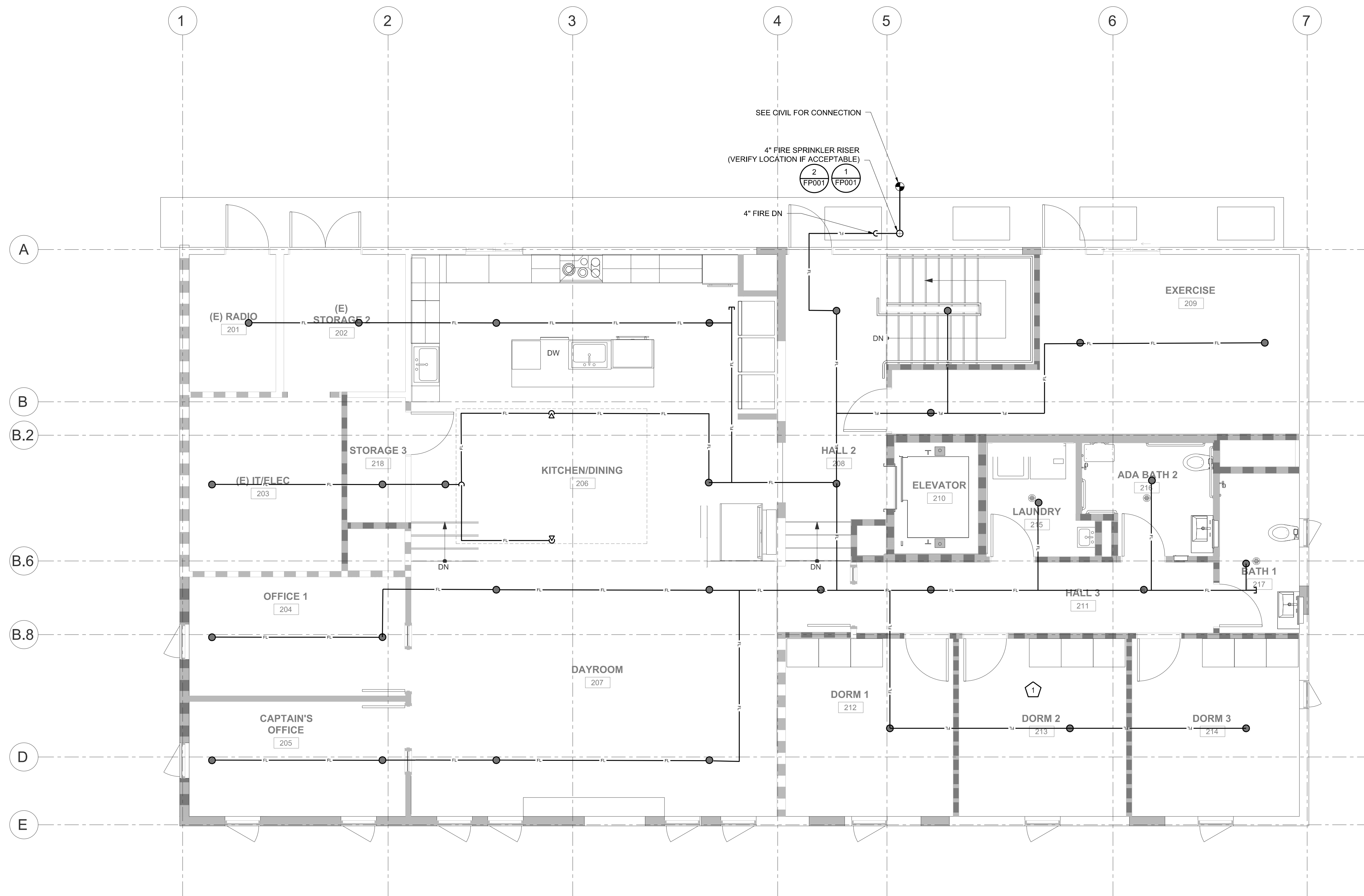
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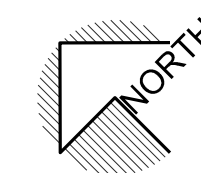
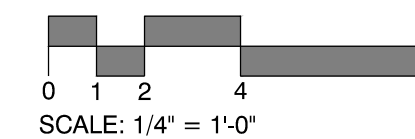
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 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626



**1 SECOND FLOOR PLAN**  
 FP202 SCALE: 1/4" = 1'-0"



| NO. | DESCRIPTION                | DATE     |
|-----|----------------------------|----------|
| 1   | ISSUED FOR BUILDING PERMIT | 04-01-22 |
|     |                            |          |
|     |                            |          |
|     |                            |          |
|     |                            |          |
|     |                            |          |
|     |                            |          |
|     |                            |          |
|     |                            |          |
|     |                            |          |
|     |                            |          |
|     |                            |          |
|     |                            |          |

JOB NO.

DESCRIPTION  
 FIRE PROTECTION SECOND FLOOR PLAN

**FP202**



SOME OF THESE SYMBOLS SHOWN MAY NOT BE USED ON THIS PROJECT

WIRING DEVICES table with symbols and descriptions for junction boxes, convenience receptacles, duplex devices, specialty outlets, and switches.

RACEWAYS table with symbols and descriptions for conduit runs (exposed, concealed, homerun) and raceway types (surface, cable tray).

DIGITAL LIGHTING CONTROLS table with symbols and descriptions for dimmer switches, scene controllers, daylight sensors, occupancy sensors, and plug load controllers.

LIGHTING table with symbols and descriptions for various luminaire types (recessed, surface, wall-mounted, directional, linear, LED tape strip, decorative, exit signs, emergency).

CONVENTIONS table with symbols and descriptions for numbered notes, sheet notes, overcurrent protective devices, equipment identification, feeder sizes, detail references, and luminaire identification tags.

FIRE ALARM table with symbols and descriptions for smoke detectors, heat detectors, manual pull stations, sprinkler system components, and fire alarm bells.

LINE VOLTAGE LIGHTING CONTROL table with symbols and descriptions for single-pole switches, three-way switches, four-way switches, dimmer switches, relays, timer controlled switches, and occupancy sensors.

POWER DISTRIBUTION table with symbols and descriptions for panelboards, electric motors, indoor exhaust fans, VAV box motors, fire/smoke dampers, magnetic motor starters, and ground fault relays.

POWER DISTRIBUTION table with symbols and descriptions for automatic/manual transfer switches, emergency generators, batteries, surge protection devices, control contactors, and digital metering units.

The Engineering Enterprise CONSULTING ENGINEERS logo and contact information (Alameda, Auburn, San Diego, Santa Barbara).

STAMP section containing a professional engineer seal for Paul T. Miller, No. E014866, Exp. 06/30/19, State of California.

PROJECT ADDRESS: 217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM section listing CLIENT (Kensington Fire Protection District), ARCHITECT (Mar/Jang Architecture), STRUCTURAL (ZFA Structural Engineers), CIVIL (BKF Engineers), GEOTECH (Haley Aldrich), MEP (List Engineering Co.), and AUDIO/VISUAL (Smith Fause McDonald Inc.).

Table with columns NO., DESCRIPTION, and DATE, containing one entry: ISSUED FOR BUILDING PERMIT on 04/01/2022.

JOB NO.

DESCRIPTION: ELECTRICAL SYMBOLS AND LEGEND

E002

**Branch Panel: (E) PANEL DP1**

Location: (E) IT/ELEC 203  
Mounting: SURFACE

| Load Served            | Amp  | P | #  | Served From |         | #        | P    | Amp   | Load Served        |                          |
|------------------------|------|---|----|-------------|---------|----------|------|-------|--------------------|--------------------------|
|                        |      |   |    | A (kVA)     | B (kVA) |          |      |       |                    |                          |
| IU UNITS GND FLOOR (2) | 20 A | 2 | 1  | 0.30        | 0.70    | 2        | 2    | 20 A  | IU UNITS 2ND FLOOR |                          |
| SPARE                  | 20 A | 1 | 5  | 0.00        | 9.01    | 6        | 2    | 100 A | PANEL DP2          |                          |
| OU-1                   | 40 A | 2 | 7  | 2.90        | 0.00    | 2.90     | 5.78 | 8     | 20 A               | SPARE                    |
| OU-2                   | 40 A | 2 | 11 | 2.90        | 4.56    | 2.90     | 0.00 | 12    | 100 A              | PANEL E                  |
| OU-3 (1)               | 40 A | 2 | 15 | 2.90        | 1.20    | 2.90     | 3.00 | 16    | 30 A               | APPARATUS AIR COMPR.     |
| OU-4                   | 40 A | 2 | 17 | 2.90        | 1.20    | 2.30     | 1.20 | 18    | 70 A               | ELEVATOR WITH SHUNT TRIP |
| HEATER AT GENERATOR    | 20 A | 1 | 23 | 2.30        | 5.50    | 1.80     | 5.50 | 24    | 225 A              | PANEL A LOADS ON SUBFEED |
|                        |      |   | 25 |             |         |          |      | 26    |                    |                          |
|                        |      |   | 27 |             |         |          |      | 28    |                    |                          |
|                        |      |   | 29 |             |         |          |      | 30    |                    |                          |
|                        |      |   | 31 |             |         |          |      | 32    |                    |                          |
|                        |      |   | 33 |             |         |          |      | 34    |                    |                          |
|                        |      |   | 35 |             |         |          |      | 36    |                    |                          |
|                        |      |   | 37 |             |         |          |      | 38    |                    |                          |
|                        |      |   | 39 |             |         |          |      | 40    |                    |                          |
|                        |      |   | 41 |             | 19.08   |          |      | 42    |                    |                          |
| <b>Total Load:</b>     |      |   |    | 51.35 kVA   |         | 51.76    |      |       |                    |                          |
| <b>Total Amps:</b>     |      |   |    | 428 A       |         | 431.32 A |      |       |                    |                          |

| Load Classification | Conn. Load | Demand Factor | Code Demand | Panel Totals                 |
|---------------------|------------|---------------|-------------|------------------------------|
| Other               | 70.53 kVA  | 100.00%       | 70.53 kVA   | Connected Load: 1103.11 kVA  |
| Lighting            | 3.6 kVA    | 125.00%       | 4.5 kVA     | Connected Amps: 429.62 A     |
| Receptacles         | 28.98 kVA  | 67.25%        | 19.49 kVA   | Code Demand Est... 94.52 kVA |
|                     |            |               |             | Code Demand Est... 393.83 A  |

**Notes:**  
225A, 3P SUBFEED BRKR SERVING PANEL "A"  
(1) REPLACE 30A/2P WITH 40A/2P  
(2) REPLACE (2) 20A/1P WITH (1) 20A/2P

**Branch Panel: (E) PANEL DP2**

Location: (E) IT/ELEC 203  
Mounting: SURFACE

| Load Served          | Amp  | P | #  | Served From DP1 |         | #       | P | Amp  | Load Served     |
|----------------------|------|---|----|-----------------|---------|---------|---|------|-----------------|
|                      |      |   |    | A (kVA)         | B (kVA) |         |   |      |                 |
| EXTRACTOR (1)        | 20 A | 2 | 1  | 1.08            | 2.00    | 2       | 2 | 30 A | DRYER (2)       |
| CONV. REC. GND FLOOR | 20 A | 1 | 5  | 0.90            | 1.10    | 6       | 1 | 20 A | WASHER          |
| PRINTER              | 20 A | 1 | 7  | 0.72            | 0.18    | 8       | 1 | 20 A | ELEVATOR REC.   |
| MONITORS             | 20 A | 1 | 9  | 0.54            | 0.00    | 10      | 1 | 20 A | SPARE           |
| PRINTER              | 20 A | 1 | 11 | 0.00            | 0.00    | 12      | 1 | 20 A | SPARE           |
| CONV. REC. GND FLOOR | 20 A | 1 | 13 | 1.08            | 0.00    | 14      | 1 | 20 A | SPARE           |
| CONV. REC. GND FLOOR | 20 A | 1 | 15 | 0.00            | 0.00    | 16      | 1 | 20 A | SPARE           |
| PRINTER              | 20 A | 1 | 17 | 0.90            | 0.00    | 18      | 1 | 20 A | SPARE           |
| CONV. REC. GND FLOOR | 20 A | 1 | 19 | 0.00            | 0.00    | 20      | 1 | 20 A | SPARE           |
| ELEVATOR PIT REC.    | 20 A | 1 | 21 | 0.18            | 0.00    | 22      | 1 | 20 A | SPARE           |
| REC. APPARATUS BAY   | 20 A | 1 | 23 | 0.72            | 0.00    | 24      | 1 | 20 A | SPARE           |
| REC. APPARATUS BAY   | 20 A | 1 | 25 | 1.08            | 0.15    | 26      | 1 | 20 A | FLAG POLE LIGHT |
| SPARE                | 20 A | 1 | 27 | 0.00            | 0.00    | 28      | 1 | 20 A | SPARE           |
| space                | --   | 1 | 29 | --              | --      | 30      | 1 | --   | space           |
|                      |      |   | 31 |                 |         | 32      |   |      |                 |
|                      |      |   | 33 |                 |         | 34      |   |      |                 |
|                      |      |   | 35 |                 |         | 36      |   |      |                 |
|                      |      |   | 37 |                 |         | 38      |   |      |                 |
|                      |      |   | 39 |                 |         | 40      |   |      |                 |
|                      |      |   | 41 |                 |         | 42      |   |      |                 |
| <b>Total Load:</b>   |      |   |    | 9.01 kVA        |         | 5.78    |   |      |                 |
| <b>Total Amps:</b>   |      |   |    | 75 A            |         | 48.17 A |   |      |                 |

| Load Classification | Conn. Load | Demand Factor | Code Demand | Panel Totals                 |
|---------------------|------------|---------------|-------------|------------------------------|
| Other               | 9.6 kVA    | 100.00%       | 9.6 kVA     | Connected Load: 14.79 kVA    |
| Lighting            | 0.15 kVA   | 125.00%       | 0.19 kVA    | Connected Amps: 61.63 A      |
| Receptacles         | 5.04 kVA   | 100.00%       | 5.04 kVA    | Code Demand Est... 14.83 kVA |
|                     |            |               |             | Code Demand Est... 61.78 A   |

**Notes:**  
(1) REPLACE (2) 20A/1P WITH (1) 20A/2P  
(2) REPLACE (2) 20A/1P WITH (1) 30A/2P

**Branch Panel: (E) PANEL A**

Location: (E) IT/ELEC 203  
Mounting: SURFACE

| Load Served           | Amp  | P | #  | Served From DP1 |         | #        | P | Amp  | Load Served           |
|-----------------------|------|---|----|-----------------|---------|----------|---|------|-----------------------|
|                       |      |   |    | A (kVA)         | B (kVA) |          |   |      |                       |
| CORD REELS            | 20 A | 1 | 1  | 0.72            | 3.60    | 2        | 2 | 40 A | INDUCTION COOKTOP (1) |
| CORD REELS            | 20 A | 1 | 3  | 0.00            | 3.60    | 4        | 1 | 20 A | SPARE                 |
| HEATER IGNITORS       | 20 A | 1 | 5  | 0.80            | 3.60    | 6        | 2 | 40 A | ELECTRIC OVEN         |
| DISHWASHER            | 20 A | 1 | 7  | 0.00            | 0.00    | 8        | 1 | 20 A | SPARE                 |
| GARBAGE DISPOSAL      | 20 A | 1 | 9  | 1.20            | 0.54    | 10       | 1 | 20 A | ROOF GFICI            |
| CONV. REC.            | 20 A | 1 | 11 | 0.90            | 0.36    | 12       | 1 | 20 A | EXTERIOR REC.         |
| MICROWAVE             | 20 A | 1 | 13 | 1.20            | 0.36    | 14       | 1 | 20 A | CONV. REC.            |
| LTG KITCHEN 2ND FLOOR | 20 A | 1 | 15 | 0.28            | 0.00    | 16       | 1 | 20 A | SPARE                 |
| CONV. REC.            | 20 A | 1 | 17 | 0.72            | 1.11    | 18       | 1 | 20 A | LTG APPARATUS BAY     |
| CONV. REC. MONITOR    | 20 A | 1 | 19 | 0.90            | 0.80    | 20       | 1 | 20 A | FRIG                  |
| GARBAGE DISPOSAL      | 20 A | 1 | 21 | 1.20            | 0.80    | 22       | 1 | 20 A | FRIG                  |
| ICE MAKER             | 20 A | 1 | 23 | 1.00            | 0.80    | 24       | 1 | 20 A | FRIG                  |
| CONV. REC.            | 20 A | 1 | 25 | 1.08            | 0.72    | 26       | 1 | 20 A | REC. GYM              |
| LIFT                  | 20 A | 1 | 27 | 1.20            | 0.54    | 28       | 1 | 20 A | MONITORS              |
| CONV. REC. OFFICES    | 20 A | 1 | 29 | 0.72            | 1.08    | 30       | 1 | 20 A | CONV. REC. SHADES     |
| PARKING LOT LTS       | 20 A | 1 | 31 | 0.14            | 0.18    | 32       | 1 | 20 A | RR CONV.              |
| CONV. REC.            | 20 A | 1 | 33 | 0.54            | 0.18    | 34       | 1 | 20 A | RR CONV.              |
| A/V TELECOM RACK      | 20 A | 1 | 35 | 1.00            | 1.26    | 36       | 1 | 20 A | BR REC.               |
| A/V TELECOM RACK      | 20 A | 1 | 37 | 1.00            | 1.44    | 38       | 1 | 20 A | BR REC.               |
| A/V TELECOM RACK      | 20 A | 1 | 39 | 1.00            | 0.00    | 40       | 1 | 20 A | SPARE                 |
| CONV. REC. ELEC. RM.  | 20 A | 1 | 41 | 0.36            | 0.32    | 42       | 1 | 20 A | EXTERIOR LIGHTS       |
|                       |      |   | 44 |                 | 19.08   |          |   |      |                       |
| <b>Total Load:</b>    |      |   |    | 22.49 kVA       |         | 19.08    |   |      |                       |
| <b>Total Amps:</b>    |      |   |    | 187 A           |         | 159.02 A |   |      |                       |

| Load Classification | Conn. Load | Demand Factor | Code Demand | Panel Totals                 |
|---------------------|------------|---------------|-------------|------------------------------|
| Other               | 16.14 kVA  | 100.00%       | 16.14 kVA   | Connected Load: 41.57 kVA    |
| Lighting            | 1.85 kVA   | 125.00%       | 2.31 kVA    | Connected Amps: 173.2 A      |
| Receptacles         | 23.58 kVA  | 71.20%        | 16.79 kVA   | Code Demand Est... 35.24 kVA |
|                     |            |               |             | Code Demand Est... 146.83 A  |

**Notes:**  
(1) REPLACE (2) 20A/1P WITH (1) 40A/2P

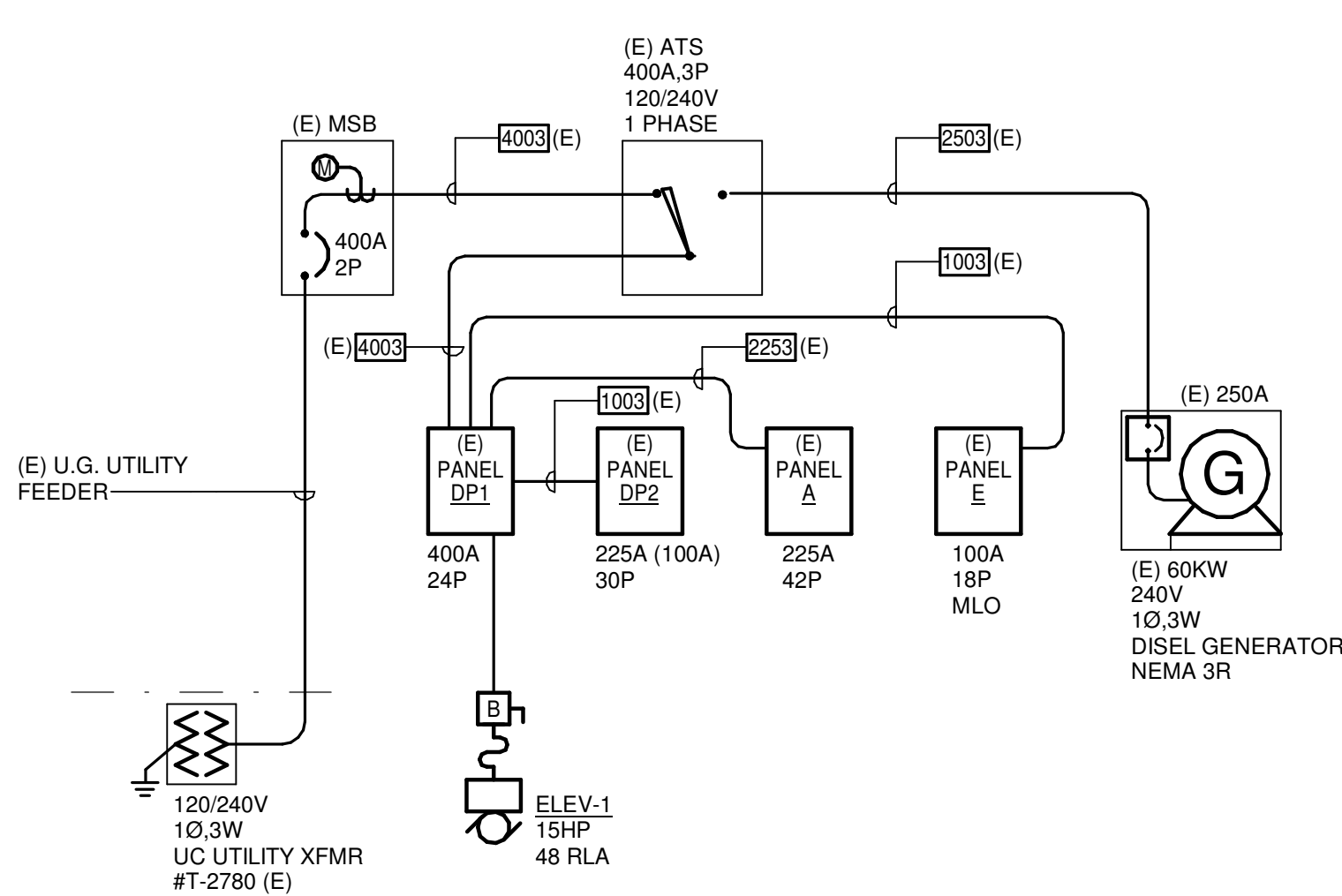
**Branch Panel: (E) PANEL E**

Location: (E) IT/ELEC 203  
Mounting: SURFACE

| Load Served        | Amp  | P | #  | Served From DP1 |         | #    | P | Amp  | Load Served         |
|--------------------|------|---|----|-----------------|---------|------|---|------|---------------------|
|                    |      |   |    | A (kVA)         | B (kVA) |      |   |      |                     |
| OVERHEAD DOOR      | 20 A | 1 | 1  | 1.10            | 0.00    | 2    | 1 | 20 A | SPARE               |
| OVERHEAD DOOR      | 20 A | 1 | 3  | 1.10            | 0.00    | 4    | 1 | 20 A | SPARE               |
| OVERHEAD DOOR      | 20 A | 1 | 5  | 1.10            | 0.00    | 6    | 1 | 20 A | SPARE               |
| SPARE              | 20 A | 1 | 7  | 0.00            | 0.00    | 8    | 1 | 20 A | SPARE               |
| 2ND FLOOR LIGHTING | 20 A | 1 | 9  | 0.67            | 0.93    | 10   | 1 | 20 A | LIGHTING 1ST FLOOR  |
| SPARE              | 20 A | 1 | 11 | 0.00            | 1.50    | 12   | 1 | 20 A | FA PANEL            |
| SPARE              | 20 A | 1 | 13 | 0.00            | 0.36    | 14   | 1 | 20 A | ELEC RM. CONV. REC. |
| SPARE              | 20 A | 1 | 15 | 0.00            | 0.40    | 16   | 1 | 20 A | EF-1 WITH RELAY     |
| SPARE              | 20 A | 1 | 17 | 0.00            | 0.40    | 18   | 2 | 20 A |                     |
|                    |      |   | 19 |                 |         | 20   |   |      |                     |
|                    |      |   | 21 |                 |         | 22   |   |      |                     |
|                    |      |   | 23 |                 |         | 24   |   |      |                     |
|                    |      |   | 25 |                 |         | 26   |   |      |                     |
|                    |      |   | 27 |                 |         | 28   |   |      |                     |
|                    |      |   | 29 |                 |         | 30   |   |      |                     |
|                    |      |   | 31 |                 |         | 32   |   |      |                     |
|                    |      |   | 33 |                 |         | 34   |   |      |                     |
|                    |      |   | 35 |                 |         | 36   |   |      |                     |
|                    |      |   | 37 |                 |         | 38   |   |      |                     |
|                    |      |   | 39 |                 |         | 40   |   |      |                     |
|                    |      |   | 41 |                 |         | 42   |   |      |                     |
| <b>Total Load:</b> |      |   |    | 4.56 kVA        |         | 3.00 |   |      |                     |
| <b>Total Amps:</b> |      |   |    | 38 A            |         | 25 A |   |      |                     |

| Load Classification | Conn. Load | Demand Factor | Code Demand | Panel Totals                |
|---------------------|------------|---------------|-------------|-----------------------------|
| Other               | 5.6 kVA    | 100.00%       | 5.6 kVA     | Connected Load: 7.56 kVA    |
| Lighting            | 1.6 kVA    | 125.00%       | 2.01 kVA    | Connected Amps: 31.52 A     |
| Receptacles         | 0.36 kVA   | 100.00%       | 0.36 kVA    | Code Demand Est... 7.97 kVA |
|                     |            |               |             | Code Demand Est... 33.19 A  |

**Notes:**



**1 SINGLE LINE DIAGRAM**  
SCALE: NONE

### FEEDER SCHEDULE

**FEEDER SCHEDULE GENERAL NOTES**

- COPPER FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH THHN/THWN-2 INSULATION IN EMT CONDUIT.
- ALUMINUM FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH XHHW-2 INSULATION IN EMT CONDUIT.
- FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON AN AMBIENT TEMPERATURE OF 30 DEGREES C (86 DEGREES F).
- FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED SIZE GROUND CONDUCTOR IN EACH CONDUIT.
- PER CEC ARTICLE 110.14, ALL FEEDERS SIZED AT #2 AWG OR LESS ARE CALCULATED PER 60 DEGREE TABLE. FEEDERS GREATER THAN #2 AWG ARE RATED 75 DEGREE.

**FEEDER SCHEDULE REMARKS**

- OVERSIZED 150% NEUTRAL, SUITABLE FOR SERVICE FROM K-13 RATED TRANSFORMERS.
- FEEDER APPROVED FOR USE WITH SEPARATELY DERIVED SYSTEM; GROUNDING AS REQUIRED BY CEC ARTICLES 240 AND 250.
- FEEDER GROUND AND BONDING JUMPER SHALL HAVE AN AREA NOT LESS THAN 12.5% OF THE AREA OF THE LARGEST PHASE CONDUCTOR.
- INCREASE CONDUIT TO THE NEXT LARGER TRADE SIZE WHEN USING SCHEDULE 40 OR 80 PVC CONDUIT.
- PER CEC SECTION 240.4(B), FOR OVERCURRENT DEVICES RATED 800A OR LESS, THE NEXT HIGHER STANDARD OVERCURRENT DEVICE RATING (ABOVE THE AMPACITY OF THE CONDUCTORS) CAN BE USED. RULE CAN NOT BE APPLIED IF 100% RATED BREAKERS ARE USED.
- PER CEC 240.21(C), THE PROVISIONS OF 240.4(B) SHALL NOT BE PERMITTED FOR TRANSFORMER SECONDARY CONDUCTORS.

| FEEDER TAG | FEEDER DESCRIPTION | CONDUIT | CONDUCTORS      |         | SEPARATELY DERIVED SYSTEM |                | REMARKS |
|------------|--------------------|---------|-----------------|---------|---------------------------|----------------|---------|
|            |                    |         | PHASE/NEUTRAL   | GROUND  | GROUNDING ELECTRODE       | BONDING JUMPER |         |
| 1003       | 95 AMP, 3 WIRE     | 1-1.25" | 3 #2 CU         | 1 #8 CU | -                         | -              | D.E     |
| 2253       | 230 AMP, 3 WIRE    | 1-2.50" | 3 #4/0 CU       | 1 #4 CU | -                         | -              | -       |
| 2503       | 255 AMP, 3 WIRE    | 1-2.00" | 3 #250 KCMIL CU | 1 #4 CU | -                         | -              | -       |
| 4003       | 380 AMP, 3 WIRE    | 1-3.00" | 3 #500 KCMIL CU | 1 #2 CU | -                         | -              | D.E     |

### LUMINAIRE SCHEDULE

**LUMINAIRE SCHEDULE NOTES:**  
REFER TO SPECIFICATION "265000 LIGHTING" FOR DETAILS ON TIER REQUIREMENTS. IN ABSENCE OF SPECIFICATION SECTION, REFER TO THE FOLLOWING TIER DEFINITIONS:

TIER 1 (LEGACY CRI 90): FOR APPLICATIONS WHERE COLOR FIDELITY IS CRITICAL, SUCH AS MUSEUMS, GALLERIES, HIGH-END RESIDENTIAL, ETC.  
R9 VALUE: MINIMUM 80. TM30 VALUES: Ri>85, 95>Rg>105.

TIER 2 (LEGACY CRI 80): FOR APPLICATIONS WHERE COLOR FIDELITY IS IMPORTANT, SUCH AS OFFICES, SCHOOLS, GENERAL INTERIOR AREAS, ETC.  
R9 VALUE: MINIMUM 90. TM30 VALUES: Ri >75, 92>Rg>110.

TIER 3 (LEGACY CRI 70): FOR APPLICATIONS WHERE COLOR FIDELITY IS NOT CRITICAL, SUCH AS EXTERIOR PARKING AND AREA LIGHTING, WAREHOUSES, ETC.  
R9 VALUE: MINIMUM 20. TM30 VALUES: Ri >70, 80>Rg>120.

| TYPE | MANUFACTURER CATALOG NUMBER | DESCRIPTION   | LIGHT SOURCE                                     | TIER | DRIVER, TRANSFORMER                     | WATTAGE | VOLTAGE |
|------|-----------------------------|---|--|------|---|---------|---------|
| F1   | NULITE BOUNCE SERIES        | RECESSED MODULAR 2X2 LUMINAIRE, SKYLIGHT FORMAT WITH REGRESSED PANEL.                       | LED 2000 NOMINAL INITIAL LUMENS 3000K            | 1    | INTEGRAL DIMMING DRIVER, 100%-10% RANGE | 19 W    | 120 V   |
| F1A  | NULITE BOUNCE SERIES        | SIMILAR TO TYPE 'F1' EXCEPT WITH INCREASED LUMEN OUTPUT                                     | LED 3500 NOMINAL INITIAL LUMENS 3000K            | 1    | INTEGRAL DIMMING DRIVER, 100%-10% RANGE | 36 W    | 120 V   |
| F2   | a.LIGHT D5 SERIES           | RECESSED LINEAR LUMINAIRE, 4 INCHES WIDE, 48 INCH LENGTH. FLUSH OPAL LENS.                  | LED 3600 NOMINAL INITIAL LUMENS 3000K            | 1    | INTEGRAL DIMMING DRIVER, 100%-10% RANGE | 32 W    | 120 V   |
| F3   | SIGNIFY FLUXSTREAM SERIES   | FOUR FOOT LENSED STRIP, NOMINAL 4 FOOT LENGTH.  | LED 3000 NOMINAL INITIAL LUMENS 3000K            | 2    | INTEGRAL NON-DIM DRIVER                 | 25 W    | 120 V   |
| F3E  | SIGNIFY FLUXSTREAM SERIES   | SIMILAR TO TYPE 'F3' EXCEPT WITH EMERGENCY BATTERY PACK.                                    | LED 3000 NOMINAL INITIAL LUMENS 3000K            | 2    | INTEGRAL NON-DIM DRIVER                 | 25 W    | 120 V   |
| F4   | WAC #180137-30-(FINISH)     | DECORATIVE VANITY LUMINAIRE   | LED 2150 NOMINAL INITIAL LUMENS 3000K            | 1    | -                                       | 28 W    | 120 V   |
| F5   | DMF DRD-ONE FRAME SERIES    | RECESSED 4 INCH DIAMETER DOWNLIGHT WITH REGRESSED LENS. WHITE CONE FINISH. WARM DIM MODULE. | LED 750 NOMINAL INITIAL LUMENS 3000K-1800K RANGE | 1    | INTEGRAL DIMMING DRIVER, 10             |         |         |

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRCC-ELC-E (Created 01/20)  
 CALIFORNIA ENERGY COMMISSION  
 CERTIFICATE OF COMPLIANCE NRCC-ELC-E

*This document is used to demonstrate compliance with mandatory requirements in §130.5 for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b) for alterations.*

Project Name: Kensington Fire Station Report Page: Page 1 of 4  
 Project Address: 217 Arlington Ave Kensington, CA Date Prepared: 3/31/2022

**A. GENERAL INFORMATION**

01 Project Location (city) Kensington 02 Occupancy Types Within Project:  
 Office  Retail  Warehouse  Hotel/ Motel  School  Support Areas  
 Parking Garage  High-Rise Residential  Relocatable  Healthcare Facilities  Other (Write In): Fire Station

**B. PROJECT SCOPE**  
 Table Instructions: Include any electrical service systems that are within the scope of the permit application.

| 01   | 02  | 03           | 04   | 05  | 06  |
|--|---|--------------|--|---|---|
| Electrical Service Designation/Description | Scope of Work <sup>1</sup>                  | Rating (kVA) | Utility Provided Metering System Exception to §130.5(a) <sup>2</sup> | System subject to CA Elec Code Article 517 Exception to §130.5(a)&(b) | Demand Response Controls<br>Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required. |
| Existing 400A 120/240V 1phase              | Add/Alt to feeders and branch circuits only |              | <input checked="" type="checkbox"/>                                  | <input checked="" type="checkbox"/>                                   |   |

<sup>1</sup> FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.  
<sup>2</sup> Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

**C. COMPLIANCE RESULTS**  
 Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D, for guidance and review the Table that indicates "No".

| 01                                    | 02                                      | 03                         | 04                                   | 05  |
|---------------------------------------|---|----------------------------|--------------------------------------|---|
| Service Electrical Metering §130.5(a) | AND Separation for Monitoring §130.5(b) | AND Voltage Drop §130.5(c) | AND Controlled Receptacles §130.5(d) | 05 Compliance Results                       |
| (See Table F)                         | (See Table G)                           | (See Table H)              | (See Table I)                        |   |
|                                       | AND                                     | AND                        | AND                                  | <b>COMPLIES with Exceptional Conditions</b> |

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRCC-ELC-E (Created 01/20)  
 CALIFORNIA ENERGY COMMISSION  
 CERTIFICATE OF COMPLIANCE NRCC-ELC-E

Project Name: Kensington Fire Station Report Page: Page 2 of 4  
 Project Address: 217 Arlington Ave Kensington, CA Date Prepared: 3/31/2022

**D. EXCEPTIONAL CONDITIONS**  
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table B indicates the project is exempt from §130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.  
 Table B indicates the project is exempt from §130.5(a) Service Electrical Metering requirements and §130.5(b) Separation of Electrical Circuits requirements because the system is subject to CA Elec Code Article 517.  
 Table H, indicates voltage drop calculations will be provided by the contractor.

**E. ADDITIONAL REMARKS**  
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Fire station is an essential services facility.

**F. SERVICE ELECTRICAL METERING**  
 This Section Does Not Apply

**G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING**  
 This Section Does Not Apply

**H. VOLTAGE DROP**  
 Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2Piii.

| 01   | 02  | 03   | 04   | 05  |
|--|---|--|--|---|
| Electrical Service Designation/Description | Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method   | Location of Voltage Drop Calculations <sup>1</sup> | Sheet Number for Voltage Drop Calculations in Construction Documents | Field Inspector<br>Pass Fail                      |
| Existing 400A 120/240V 1phase              | <input checked="" type="checkbox"/> Voltage drop < 5%<br><input type="checkbox"/> Permitted by CA Elec Code (Exception to §130.5(c)) <sup>2</sup> | Contractor Responsible                             |  | <input type="checkbox"/> <input type="checkbox"/> |

<sup>1</sup> NOTES If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.  
<sup>2</sup> FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRCC-ELC-E (Created 01/20)  
 CALIFORNIA ENERGY COMMISSION  
 CERTIFICATE OF COMPLIANCE NRCC-ELC-E

Project Name: Kensington Fire Station Report Page: Page 3 of 4  
 Project Address: 217 Arlington Ave Kensington, CA Date Prepared: 3/31/2022

**I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES**  
 This Section Does Not Apply

**J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**  
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCC/](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/)

| YES                                 | NO                       | Form/Title   | Field Inspector          |                          |
|-------------------------------------|--------------------------|--|--------------------------|--------------------------|
|                                     |                          |  | Pass                     | Fail                     |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | NRCC-ELC-01-E - Must be submitted for all buildings. | <input type="checkbox"/> | <input type="checkbox"/> |

**K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**  
 There are no Certificates of Acceptance applicable to electrical power distribution requirements.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 NRCC-ELC-E (Created 01/20)  
 CALIFORNIA ENERGY COMMISSION  
 CERTIFICATE OF COMPLIANCE NRCC-ELC-E

Project Name: Kensington Fire Station Report Page: Page 4 of 4  
 Project Address: 217 Arlington Ave Kensington, CA Date Prepared: 3/31/2022

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I certify that this Certificate of Compliance documentation is accurate and complete.

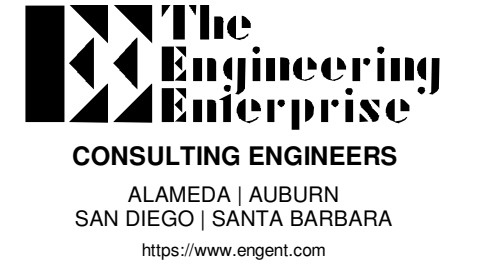
Documentation Author Name: Paul Miller Documentation Author Signature: *Paul Miller*  
 Company: The Engineering Enterprise Signature Date: March 31, 2022  
 Address: 1305 Marina Village Parkway CEA/ HERS Certification Identification (if applicable):  
 City/State/Zip: Alameda CA 94501 Phone: (510) 263-1522

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

I certify the following under penalty of perjury, under the laws of the State of California:  
 1. The information provided on this Certificate of Compliance is true and correct.  
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)  
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.  
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.  
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

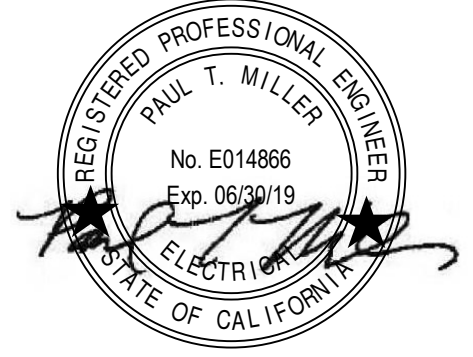
Responsible Designer Name: Paul Miller Responsible Designer Signature: *Paul Miller*  
 Company: The Engineering Enterprise Date Signed: March 31, 2022  
 Address: 1305 Marina Village Parkway License: E14866  
 City/State/Zip: Alameda CA 94501 Phone: (510) 263-1522

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020



ALAMEDA | AUBURN  
 SAN DIEGO | SANTA BARBARA  
<https://www.eneert.com>  
 TEE Project No.: 21186

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
 KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA 94117  
 CONTACT: KAREN MAR  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
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 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
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 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

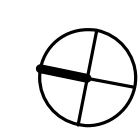
ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
|     | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
|     |                            |            |
|     |                            |            |
|     |                            |            |
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|     |                            |            |
|     |                            |            |

JOB NO.

DESCRIPTION

TITLE 24 FORMS



E004

**A. GENERAL INFORMATION**

|  |  |  |                                      |   |  |
|--|--|--|--------------------------------------|---|--|
| 01 Project Location (city)                                 | Kensington                                     | 04 Total Conditioned Floor Area (ft <sup>2</sup> )   | 5,146                                |   |  |
| 02 Climate Zone  | 3  | 05 Total Unconditioned Floor Area (ft <sup>2</sup> ) | 0                                    |   |  |
| 03 Occupancy Types Within Project (select all that apply): |  | 06 # of Stories (Habitable Above Grade)              | 2                                    |   |  |
| <input type="checkbox"/> Office                            | <input type="checkbox"/> Retail                | <input type="checkbox"/> Warehouse                   | <input type="checkbox"/> Hotel/Motel | <input type="checkbox"/> School                       | <input type="checkbox"/> Support Areas |
| <input type="checkbox"/> Parking Garage                    | <input type="checkbox"/> High-Rise Residential | <input type="checkbox"/> Relocatable                 | <input type="checkbox"/> Healthcare  | <input checked="" type="checkbox"/> Other (write in): | Fire Station                           |

**B. PROJECT SCOPE**

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(a)(2) for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

| Scope of Work   | Conditioned Spaces | Unconditioned Spaces    |                    |                         |
|---|--------------------|-------------------------|--------------------|-------------------------|
| 01  | 02                 | 03                      | 04                 | 05                      |
| My Project Consists of (check all that apply):          | Calculation Method | Area (ft <sup>2</sup> ) | Calculation Method | Area (ft <sup>2</sup> ) |
| <input checked="" type="checkbox"/> New Lighting System | Complete Building  | 5,146                   |                    |                         |
| <input type="checkbox"/> Altered Lighting System        |                    |                         |                    |                         |
| <b>Total Area of Work (ft<sup>2</sup>)</b>              |                    | <b>5,146</b>            |                    |                         |

**C. COMPLIANCE RESULTS**

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

| Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)(1). | Allowed Lighting Power per §140.6(b) (Watts) |                            |                                |                           |                       | Adjusted Lighting Power per §140.6(a) (Watts) |  | Compliance Results                           |                        |    |
|--|--|----------------------------|--------------------------------|---------------------------|-----------------------|---|--|--|------------------------|----|
|  | 01   | 02                         | 03                             | 04                        | 05                    | 06  | 07   |  | 08                     | 09 |
|  | Complete Building §140.6(c)(1)               | Area Category §140.6(c)(2) | Additional §140.6(c)(2)(5) (+) | Tailored §140.6(c)(3) (-) | Total Allowed (Watts) | Total Designed (Watts)                        | Adjustments PAF Control Credits §140.6(a)(2) (-) | Total Adjusted (Watts) *Includes Adjustments | 05 Must be ≥ 08 §140.6 | 09 |
|  | (See Table I)                                | (See Table J)              | (See Table J)                  | (See Table K)             |                       | (See Table F)                                 | (See Table P)                                    |  |                        |    |
| Conditioned:   | 3,344.9                                      |                            |                                |                           | 3,344.9               | 3,271   |  | 3,271  | COMPLIES               |    |
| Unconditioned:   |  |                            |                                |                           |                       |   |  |  |                        |    |

**I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS**

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

| Conditioned Spaces | Allowed Lighting Power per §140.6(b) (Watts)             |                            |                                |                           |                       | Additional Allowances / Adjustment |
|--------------------|--|----------------------------|--------------------------------|---------------------------|-----------------------|------------------------------------|
|                    | 01   | 02                         | 03                             | 04                        | 05                    |                                    |
| Area Description   | Complete Building or Area Category Primary Function Area | Area Category §140.6(c)(2) | Additional §140.6(c)(2)(5) (+) | Tailored §140.6(c)(3) (-) | Total Allowed (Watts) | Additional Allowances / Adjustment |
|                    | Office Building  |                            |                                |                           | 0.65 5,146 3,344.9    | PAF                                |
|                    | <b>TOTAL:</b>  | <b>5,146</b>               | <b>3,344.9</b>                 |                           |                       | See Tables J or P for detail       |

**J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM**

This Section Does Not Apply

**K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE**

This Section Does Not Apply

**L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY**

This Section Does Not Apply

**M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING**

This Section Does Not Apply

**N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS**

This Section Does Not Apply

**Controls Compliance (See Table H for Details)**

Rate Power Reduction Compliance (See Table Q for Details) DOES NOT COMPLY Not Applicable

**D. EXCEPTIONAL CONDITIONS**

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

**E. ADDITIONAL REMARKS**

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Building is an essential services facility

**F. INDOOR LIGHTING FIXTURE SCHEDULE**

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designated Wattage: Conditioned Spaces

| 01               | 02                             | 03                      | 04                            | 05                               | 06                        | 07                      | 08                      | 09           | 10              |
|------------------|--------------------------------|-------------------------|-------------------------------|----------------------------------|---------------------------|-------------------------|-------------------------|--------------|-----------------|
| Name or Item Tag | Complete Luminaire Description | Modular (Track) Fixture | Small Aperture & Color Change | Watts per luminaire <sup>2</sup> | How Wattage is determined | Total number luminaires | Exempt per §140.6(a)(3) | Design Watts | Field Inspector |
| F1               | Recessed 2x2 LED               |                         |                               | 19                               | Mfr. Spec <sup>2</sup>    | 19                      |                         | 361          | Pass            |
| F2               | Recessed down light LED        |                         |                               | 32                               | Mfr. Spec <sup>2</sup>    | 9                       |                         | 288          | Fail            |
| F3               | 4" strip LED                   |                         |                               | 25                               | Mfr. Spec <sup>2</sup>    | 7                       |                         | 175          | Pass            |
| F4E              | 4" strip LED battery backup    |                         |                               | 25                               | Mfr. Spec <sup>2</sup>    | 3                       |                         | 75           | Pass            |
| F4               | Vanity LED                     |                         |                               | 28                               | Mfr. Spec <sup>2</sup>    | 1                       |                         | 28           | Pass            |
| F5A              | Recessed LED down light        |                         |                               | 10                               | Mfr. Spec <sup>2</sup>    | 21                      |                         | 210          | Pass            |
| F5B              | Recessed LED down light        |                         |                               | 14                               | Mfr. Spec <sup>2</sup>    | 8                       |                         | 112          | Pass            |
| F7               | LED undercabinet light         |                         |                               | 10                               | Mfr. Spec <sup>2</sup>    | 6                       |                         | 60           | Pass            |
| F8               | LED cove light                 |                         |                               | 10                               | Mfr. Spec <sup>2</sup>    | 35                      |                         | 350          | Pass            |
| F7A              | LED strip                      |                         |                               | 73                               | Mfr. Spec <sup>2</sup>    | 4                       |                         | 292          | Pass            |
| F9               | 1x4 surface LED                |                         |                               | 72                               | Mfr. Spec <sup>2</sup>    | 15                      |                         | 1,080        | Pass            |

**Controls Compliance (See Table H for Details)**

Rate Power Reduction Compliance (See Table Q for Details) DOES NOT COMPLY Not Applicable

| 01  | 02                             | 03                      | 04                            | 05                               | 06                        | 07                      | 08                      | 09           | 10              |
|---|--------------------------------|-------------------------|-------------------------------|----------------------------------|---------------------------|-------------------------|-------------------------|--------------|-----------------|
| Name or Item Tag                                | Complete Luminaire Description | Modular (Track) Fixture | Small Aperture & Color Change | Watts per luminaire <sup>2</sup> | How Wattage is determined | Total number luminaires | Exempt per §140.6(a)(3) | Design Watts | Field Inspector |
| F11   | Wall mounted linear LED        |                         |                               | 120                              | Mfr. Spec <sup>2</sup>    | 2                       |                         | 240          | Pass            |
|   |                                |                         |                               |                                  |                           |                         |                         | 0            | Fail            |
| <b>Total Designed Watts CONDITIONED SPACES:</b> |                                |                         |                               |                                  |                           |                         |                         | <b>3,271</b> |                 |

<sup>1</sup> FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)(4) is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.  
<sup>2</sup> Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.

**G. MODULAR LIGHTING SYSTEMS**

This Section Does Not Apply

**H. INDOOR LIGHTING CONTROLS (Not Including PAFs)**

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a \* is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls

| 01                                   | 02                          | 03              |
|--------------------------------------|-----------------------------|-----------------|
| Mandatory Demand Response §110.12(c) | Shut-Off Controls §130.1(c) | Field Inspector |
|                                      |                             | Pass            |
|                                      |                             | Fail            |
| Not Required ≤ 10,000 SF             |                             |                 |
| See Area/Space Level Controls        |                             |                 |

Area Level Controls

| 04               | 05   | 06                      | 07                             | 08                          | 09                                     | 10                              | 11                               | 12              |
|------------------|--|-------------------------|--------------------------------|-----------------------------|--|---------------------------------|----------------------------------|-----------------|
| Area Description | Complete Building or Area Category Primary Function Area | Area Controls §130.1(a) | Multi-Level Controls §130.1(b) | Shut-Off Controls §130.1(c) | Primary/Skylight Daylighting §130.1(d) | Secondary Daylighting §140.6(d) | Interlocked Systems §140.6(a)(1) | Field Inspector |
|                  | All Other Building                                       | Manual ON/OFF           | Dimmer                         | Occ. Sensor                 | NA ≤ 80% (LP alt only)                 | NA                              |                                  | Pass            |
|                  |  |                         |                                |                             |  |                                 |                                  | Fail            |

All Other Building

Manual ON/OFF

Dimmer

Occ. Sensor

NA ≤ 80% (LP alt only)

NA

Field Inspector

**U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at [https://www.energy.ca.gov/title24/2019standards/2019\\_compliance\\_documents/Nonresidential\\_Documents/NRCC](https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC).

| YES                              | NO                               | Form/Title  | Field Inspector |
|----------------------------------|----------------------------------|---|-----------------|
| <input checked="" type="radio"/> | <input type="radio"/>            | NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls. | Pass            |
| <input checked="" type="radio"/> | <input type="radio"/>            | NRCA-LTI-03-A - Must be submitted for automatic daylight controls.                          | Pass            |
| <input type="radio"/>            | <input checked="" type="radio"/> | NRCA-LTI-04-A - Must be submitted for demand responsive lighting control.                   | Pass            |
| <input type="radio"/>            | <input checked="" type="radio"/> | NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).   | Pass            |
| <input type="radio"/>            | <input checked="" type="radio"/> | NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).    | Pass            |

Field Inspector

Pass

Fail

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

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Pass

Pass

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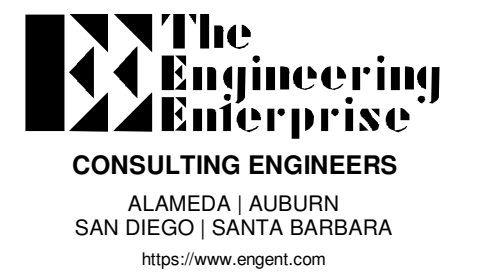
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ALAMEDA | AUBURN  
SAN DIEGO | SANTA BARBARA  
<https://www.engeer.com>

TEE Project No.: 21186

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.

KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
CONTACT: BILL HANSELL  
T: (415) 522-9064

ARCHITECT: MARJANG ARCHITECTURE  
930 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
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NO.

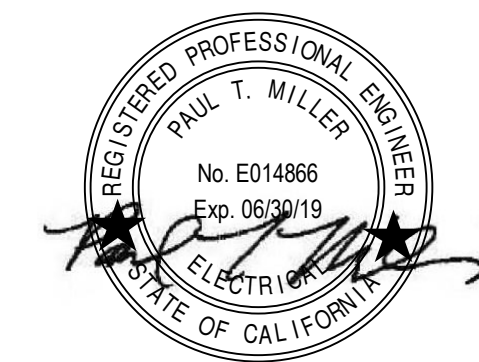
DESCRIPTION

ISSUED FOR BUILDING PERMIT

DATE

04/01/2022

STAMP

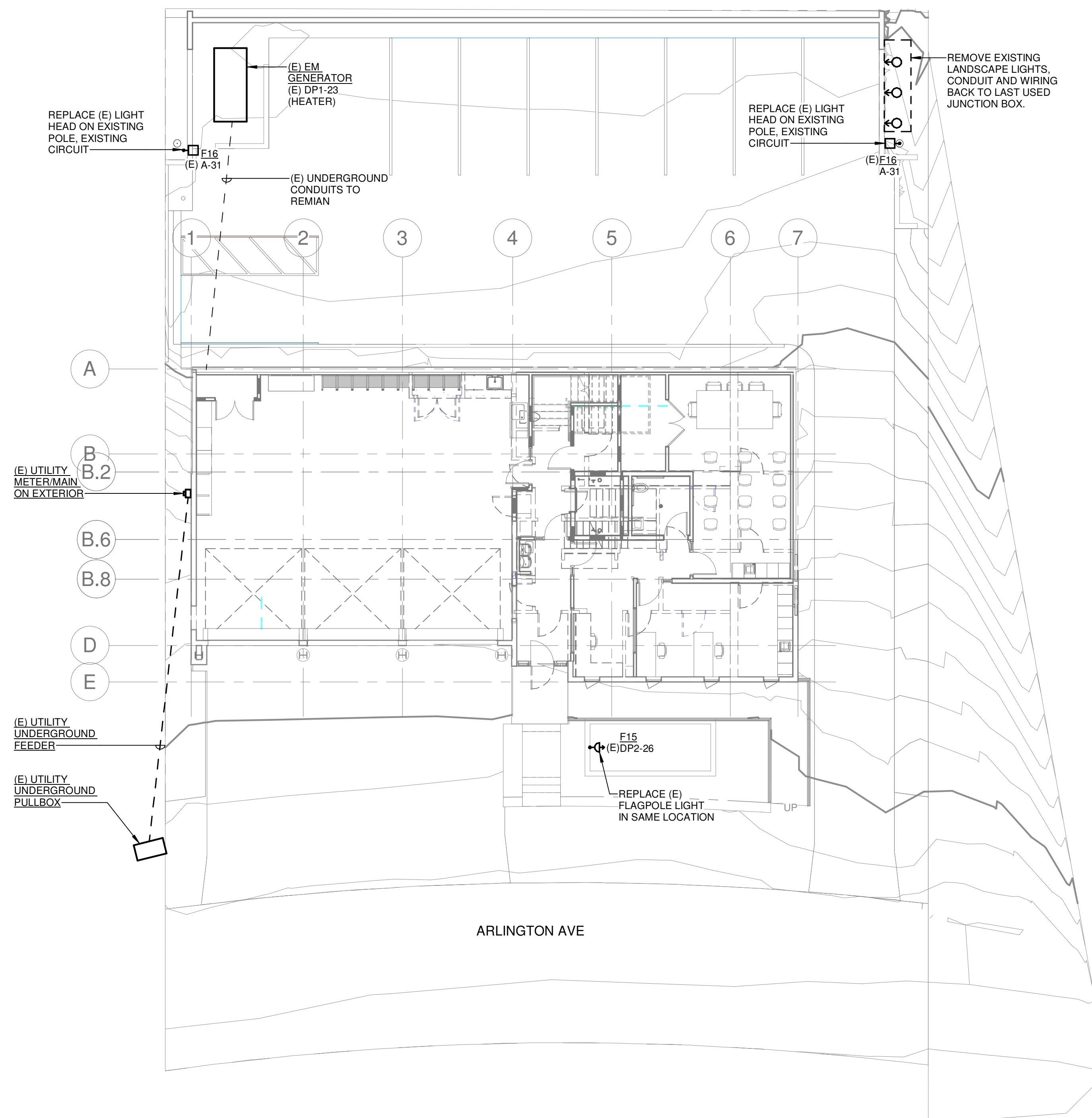


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**1 OVERALL SITE PLAN**  
 SCALE: 1" = 10'-0"

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
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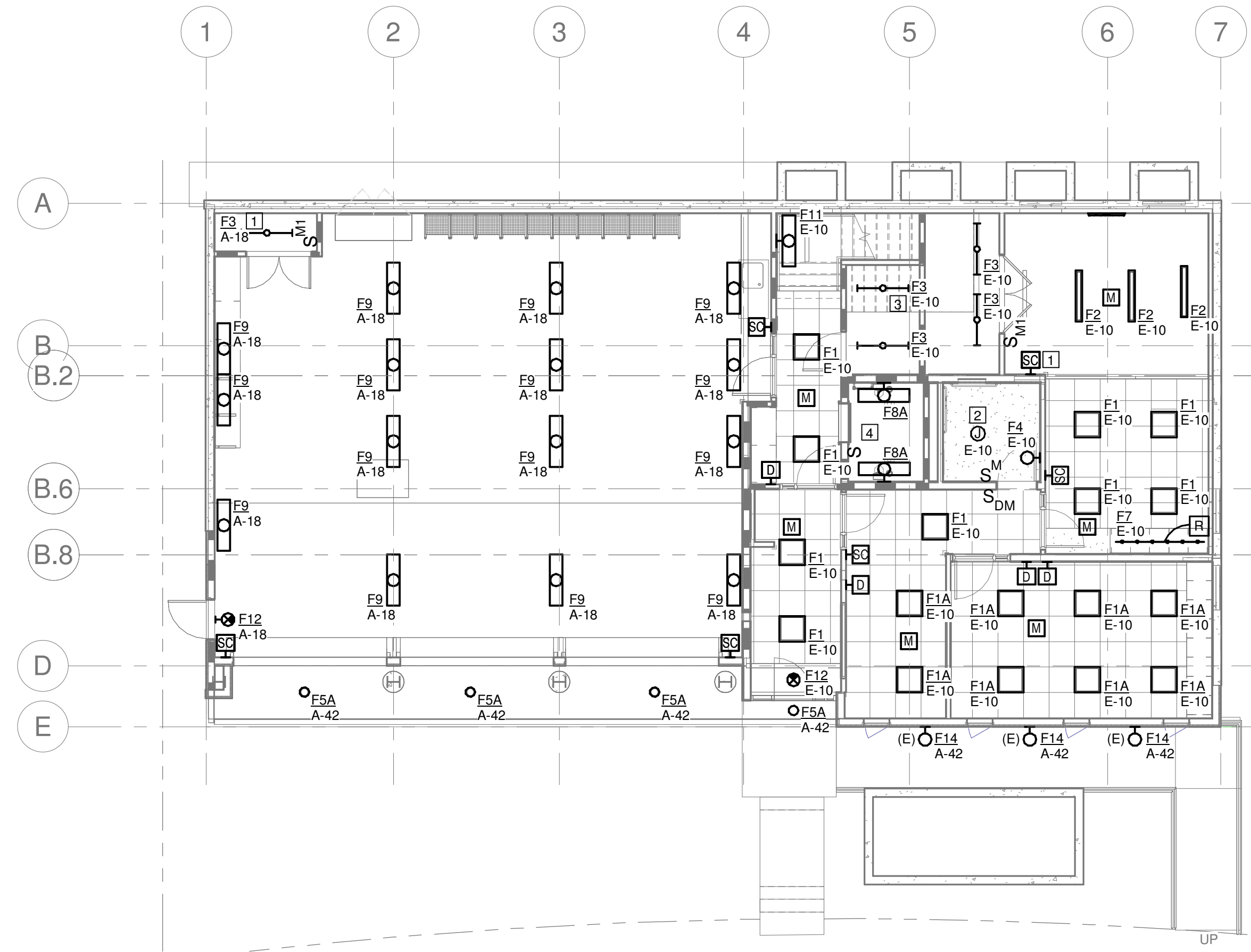
DESCRIPTION  
**SITE PLAN**

**E101**

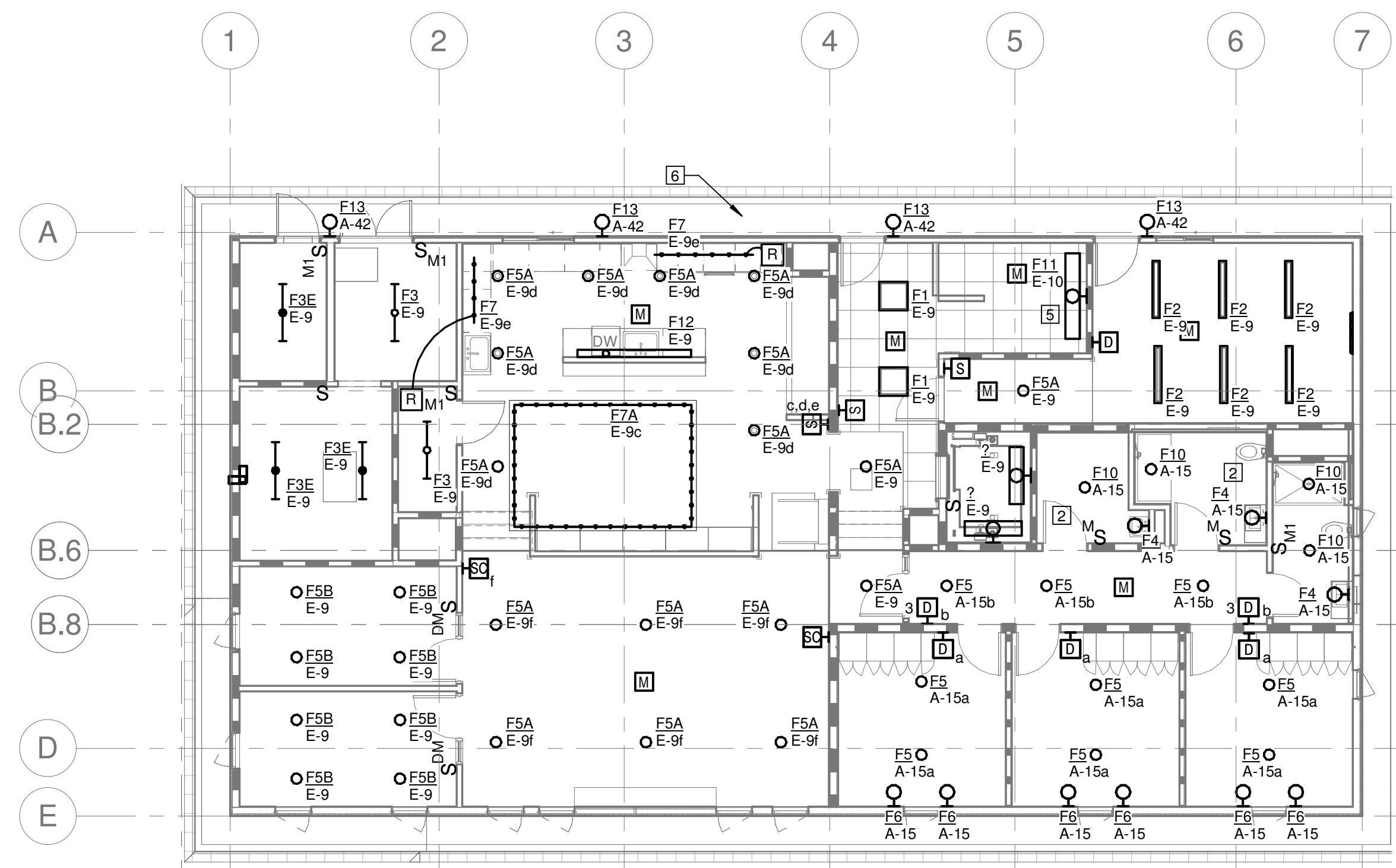


## NUMBERED SHEET NOTES

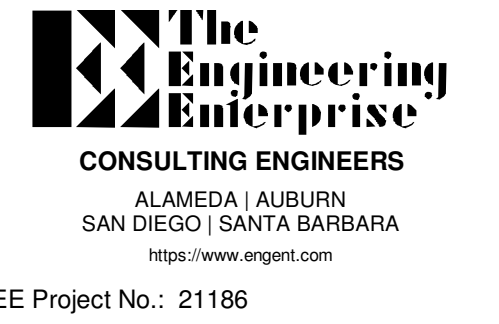
- |   |   |
|---|---|
| 1 | WALL MOUNT OVER DOOR.   |
| 2 | COMBO FAN/LIGHT.  |
| 3 | MOUNT UNDER STAIRS.   |
| 4 | MOUNT IN PIT.   |
| 5 | WALL MOUNTED ABOVE LANDING.   |
| 6 | REMOVE ALL SOFFIT MOUNTED LIGHTING AND WALL MOUNTED LIGHTS AND PATCH. |



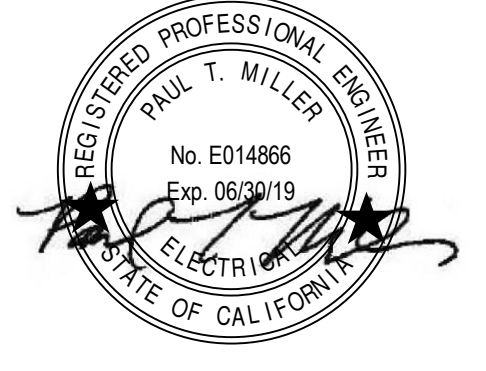
**1 LIGHTING PLAN - GROUND FLOOR**  
SCALE: 1/8" = 1'-0"



**2 LIGHTING PLAN - SECOND FLOOR**  
SCALE: 1/8" = 1'-0"



STAMP



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
KENSINGTON, CA, 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
217 ARLINGTON AVE  
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GEOTECH: HALEY ALDRICH  
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OAKLAND, CA 94612  
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MEP: LIST ENGINEERING CO.  
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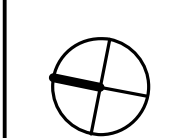
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
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CONTACT: PETER MCDONALD  
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ESTIMATOR: MICROESTIMATION INC.  
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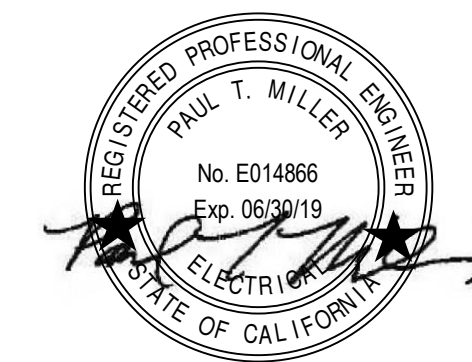
JOB NO.

DESCRIPTION  
**LIGHTING PLANS**



E201

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
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PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
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SAN CARLOS, CA 94070  
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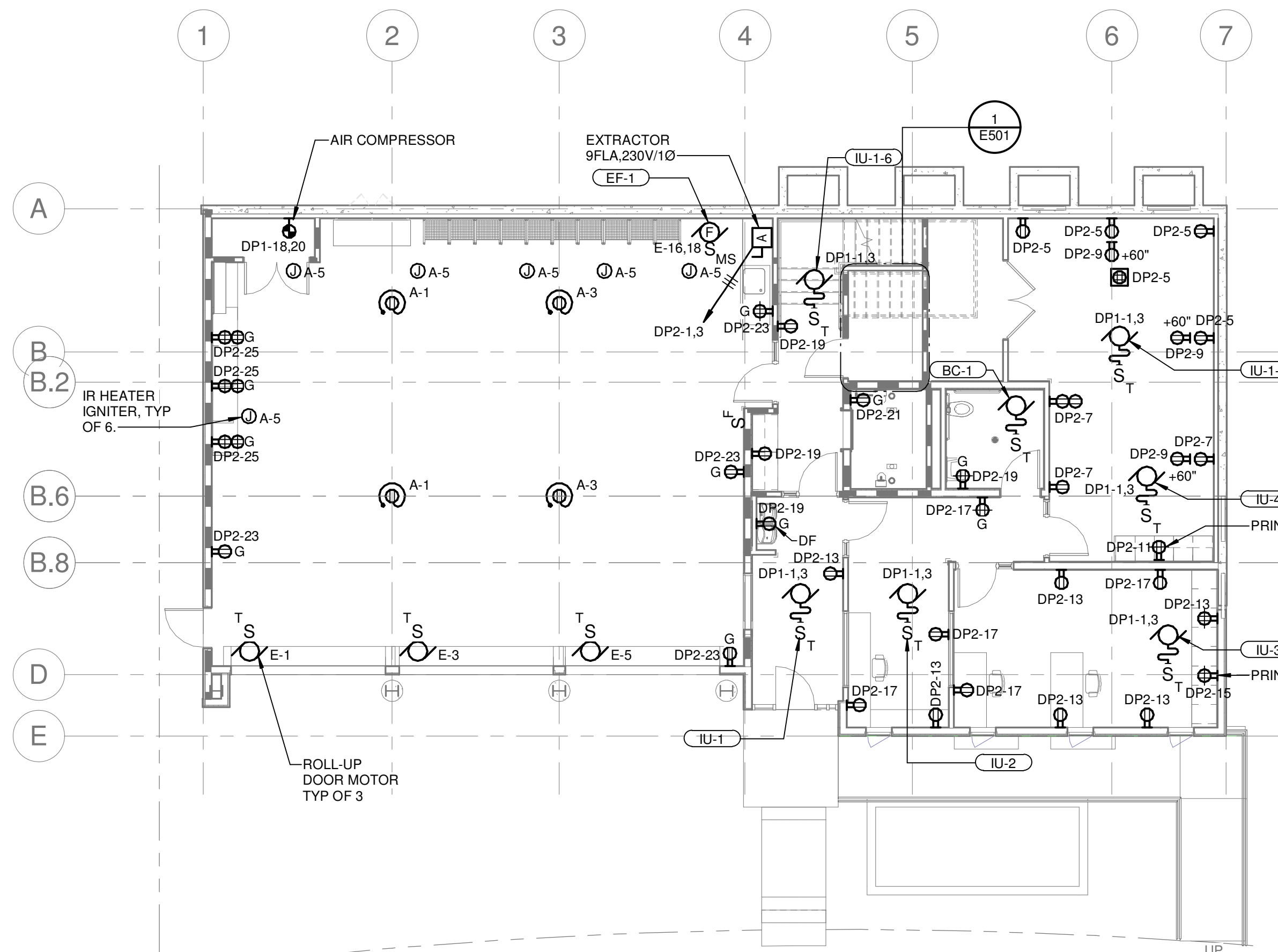
CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
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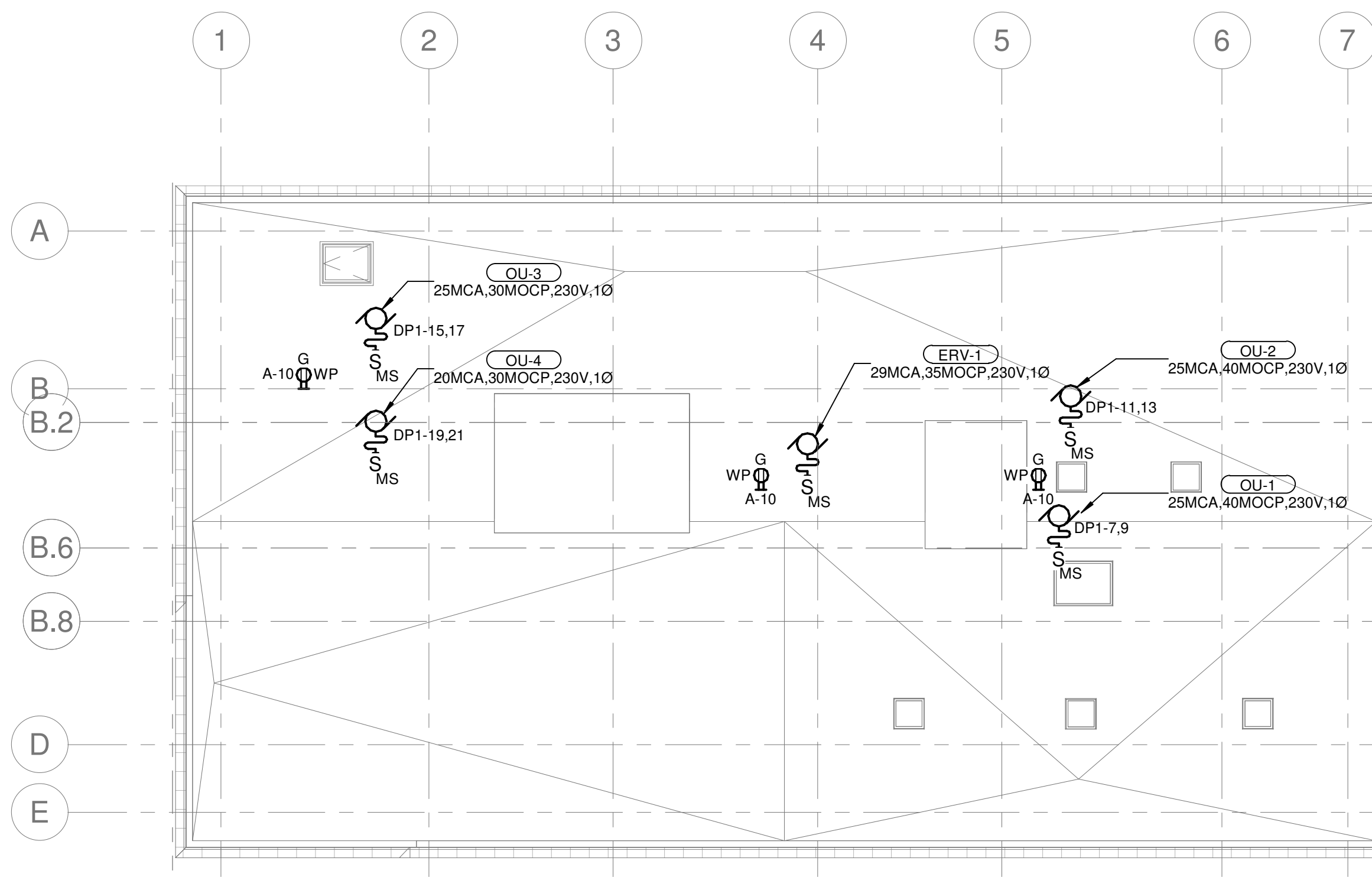
MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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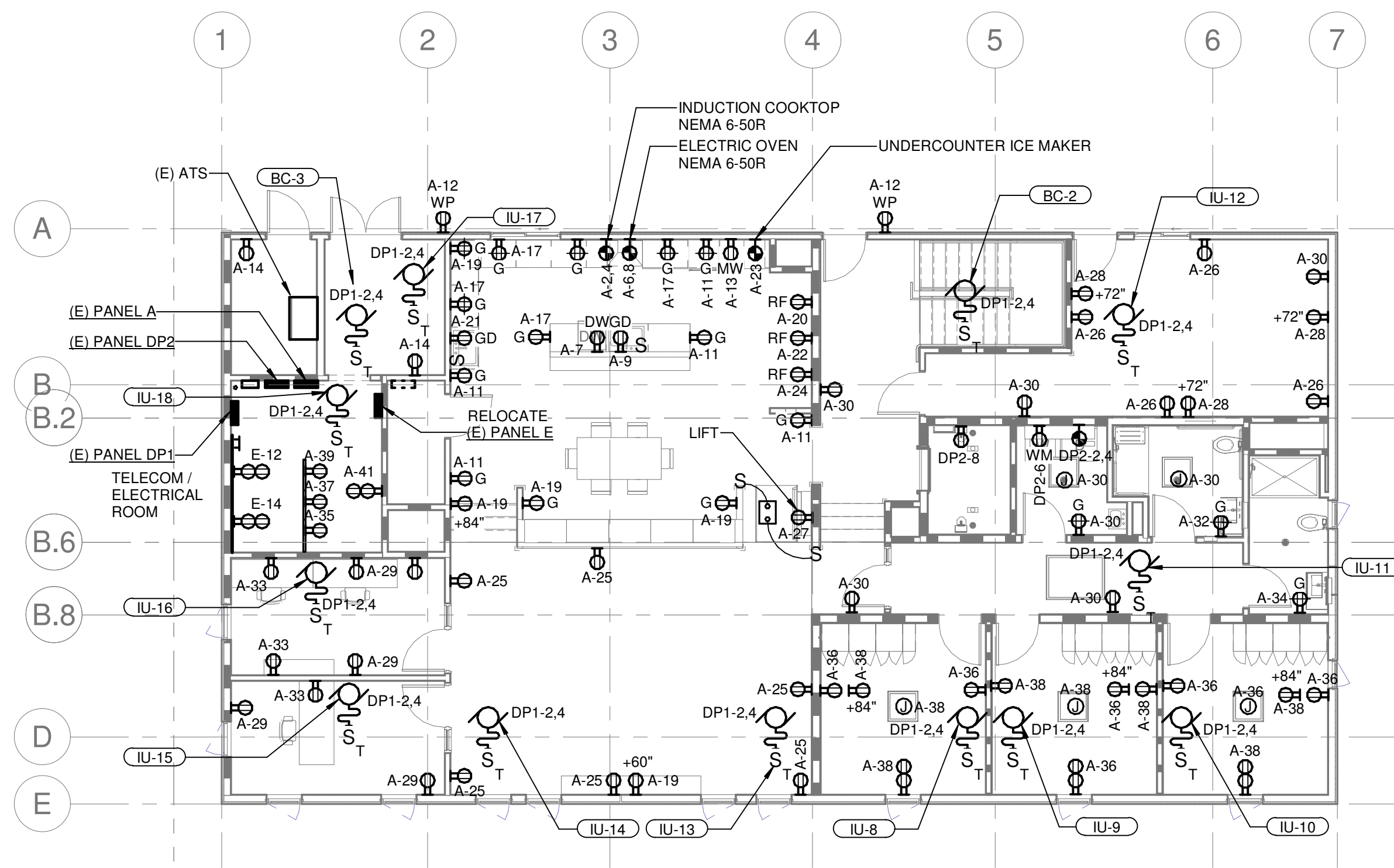
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE, #26  
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CONTACT: HENRY TOORYANI  
T: (415) 826-9626



1 POWER & LOW VOLTAGE PLAN - GROUND FLOOR  
SCALE: 1/8" = 1'-0"



3 POWER & LOW VOLTAGE PLAN - ROOF  
SCALE: 1/8" = 1'-0"



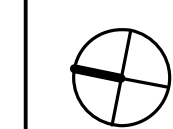
2 POWER & LOW VOLTAGE PLAN - SECOND FLOOR AND PARTIAL ROOF  
SCALE: 1/8" = 1'-0"

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JOB NO.

DESCRIPTION

POWER AND LOW VOLTAGE PLANS



E301

STAMP



PROJECT ADDRESS  
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 KENSINGTON, CA, 94707**

PROJECT TEAM

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 KENSINGTON, CA 94707  
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 CONTACT: KAREN MAR  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
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 SAN CARLOS, CA 94070  
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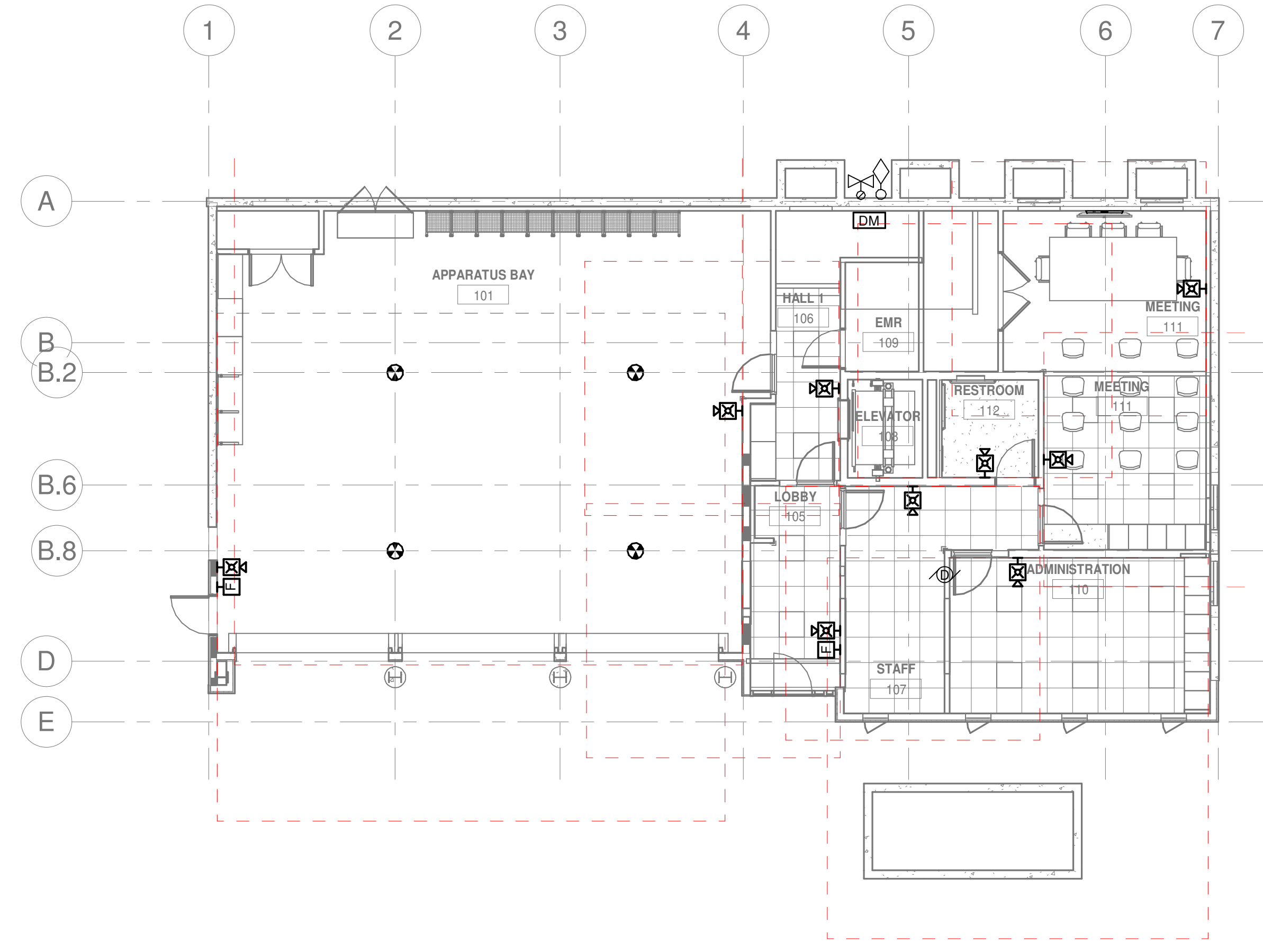
CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
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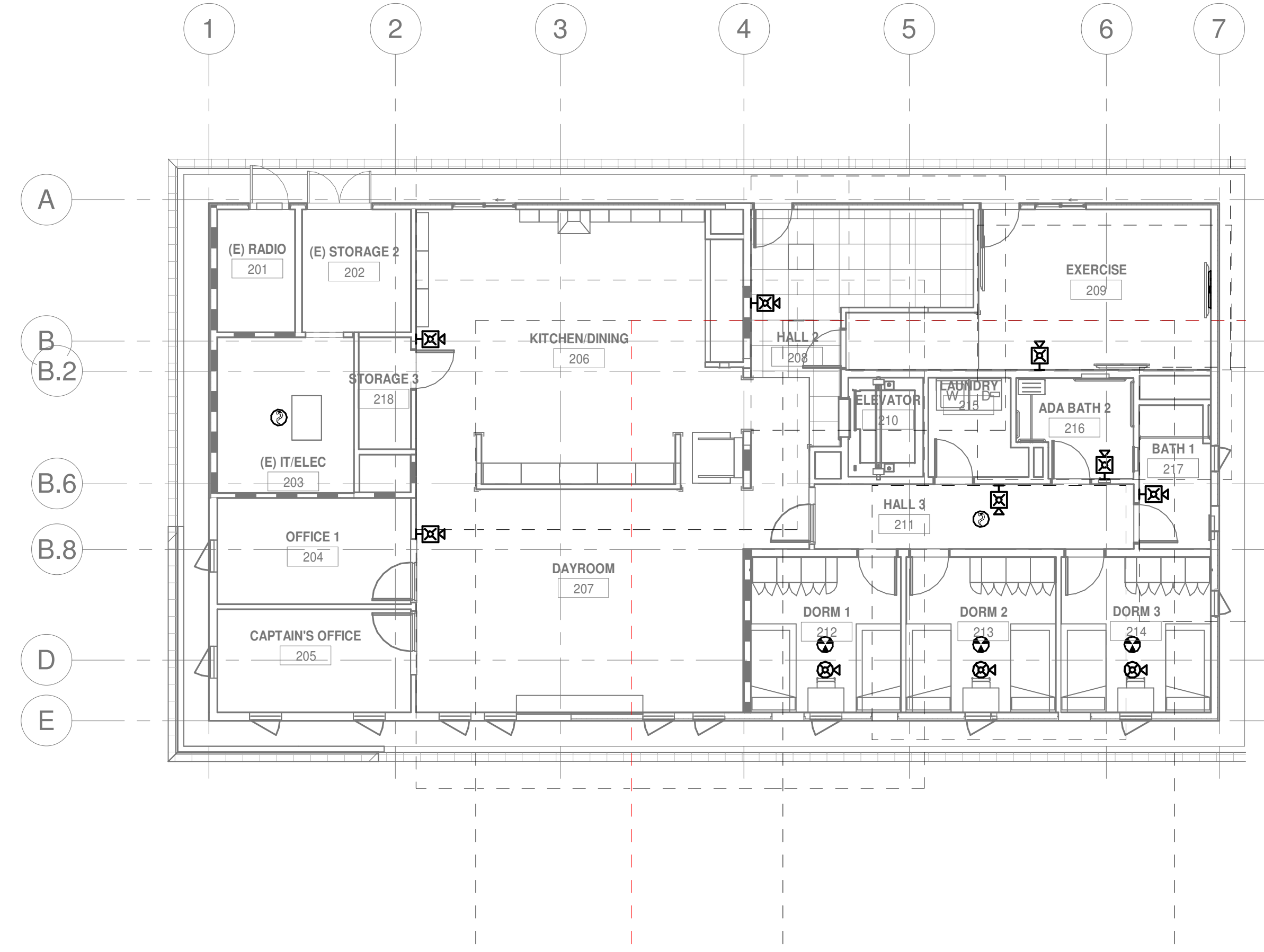
MEP: LIST ENGINEERING CO.  
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**1** 01\_Fire\_RCP  
 SCALE: 1/8" = 1'-0"



**2** 02\_Fire\_RCP  
 SCALE: 1/8" = 1'-0"

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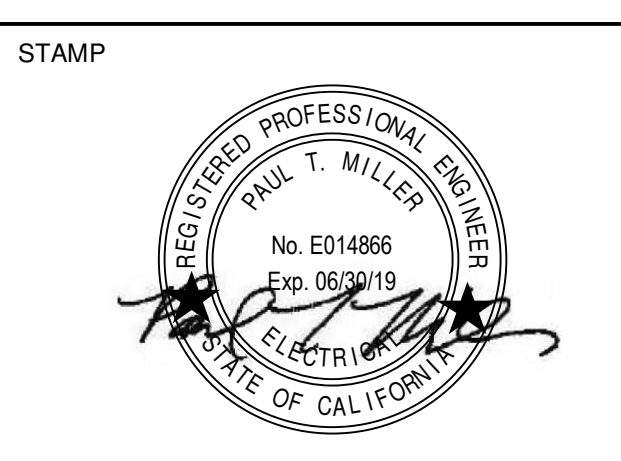
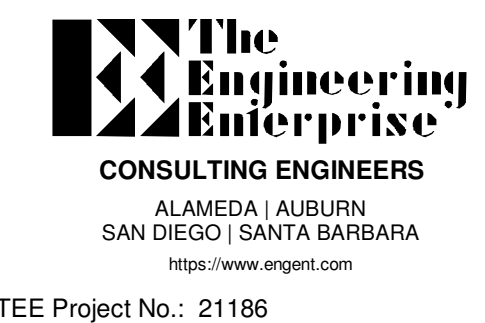
DESCRIPTION  
**FIRE ALARM PLANS**

**E401**

| FIRE ALARM SYSTEM CABLE SCHEDULE |   |                         |       |            |              |
|----------------------------------|---|-------------------------|-------|------------|--------------|
| CABLE TAG                        | CIRCUIT DESCRIPTION                     | CABLE TYPE              | GAUGE | CONDUCTORS | COLOR        |
| A                                | SIGNAL LINE CIRCUIT (SLC)               | FPL                     | #18   | 2          | RED JACKET   |
| B                                | NOTIFICATION APPLIANCE CIRCUIT (NAC)    | FPL                     | #12   | 2          | RED JACKET   |
| C                                | CONVENTIONAL SUPERVISED CIRCUIT / 24VDC | FPL                     | #14   | 2          | RED JACKET   |
| D                                | FIBER NETWORK                           | FIBER OPTIC             | N/A   | N/A        | GREY JACKET  |
| E                                | BOOSTER TRIGGER                         | FPL                     | #14   | 4          | RED JACKET   |
| F                                | UNDERGROUND SLC                         | WATER TIGHT             | #14   | 2          | BLACK JACKET |
| G                                | UNDERGROUND NAC                         | WATER TIGHT             | #12   | 2          | BLACK JACKET |
| H                                | UNDERGROUND SPEAKER CIRCUIT             | WATER TIGHT SHIELDED    | #14   | 2          | BLACK JACKET |
| I                                | UNDERGROUND FIBER NETWORK               | WATER TIGHT FIBER OPTIC | N/A   | N/A        | BLACK JACKET |
| J                                | SBUS                                    | FPL                     | #14   | 4          | RED JACKET   |
| K                                | VBUS                                    | FPL                     | #14   | 4          | RED JACKET   |
| L                                | UNDERGROUND SBUS                        | WATER TIGHT             | #14   | 4          | BLACK JACKET |
| M                                | UNDERGROUND VBUS                        | WATER TIGHT             | #14   | 4          | BLACK JACKET |
| S                                | SPEAKER CIRCUIT                         | FPL OVERALL SHIELDED    | #14   | 2          | RED JACKET   |

| FIRE ALARM SYSTEM MATRIX                    |              |                |               |                   |               |                    |              |          |                 |                |              |                      |
|---|--------------|----------------|---------------|-------------------|---------------|--------------------|--------------|----------|-----------------|----------------|--------------|----------------------|
|   | PULL STATION | SMOKE DETECTOR | HEAT DETECTOR | WATER FLOW SWITCH | TAMPER SWITCH | OPEN/SHORT CIRCUIT | GROUND FAULT | A/C LOSS | BATTERY TROUBLE | SYSTEM SILENCE | SYSTEM RESET | SMOKE DUCT DETECTORS |
| ALARM AT FACP & REMOTE ANNUNCIATOR(S)       | X            | X              | X             | X                 |               |                    |              |          |                 |                |              | X                    |
| SUPERVISORY AT FACP & REMOTE ANNUNCIATOR(S) |              |                |               |                   | X             |                    |              |          |                 |                |              |                      |
| TROUBLE AT FACP & REMOTE ANNUNCIATOR(S)     |              |                |               |                   |               | X                  | X            | X        | X               |                |              |                      |
| REPORT EVENT TO OFFSITE SUPERVISING STATION | X            | X              | X             | X                 | X             | X                  | X            | X        | X               |                |              | X                    |
| ACTIVATE EVACUATION SIGNALS                 | X            | X              | X             | X                 |               |                    |              |          |                 |                |              | X                    |
| DEACTIVATE VOICE MESSAGES                   |              |                |               |                   |               |                    |              |          |                 | X              | X            |                      |
| DEACTIVATE VISUAL SIGNALS                   |              |                |               |                   |               |                    |              |          |                 |                | X            |                      |
| RESET FACP TO NORMAL CONDITION              |              |                |               |                   |               |                    |              |          |                 |                | X            |                      |
| HVAC  | X            | X              | X             |                   |               |                    |              |          |                 |                |              | X                    |

- ### FIRE ALARM NOTES
- WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:  
STATE CALIFORNIA CODE OF REGULATIONS (CCR) 2019 TITLE 24 CALIFORNIA BUILDING CODE  
PART 2, 2019 CALIFORNIA BUILDING CODE (CBC)  
PART 3, 2019 CALIFORNIA ELECTRICAL CODE (CEC), 2019 NEC.  
PART 4, 2019 CALIFORNIA MECHANICAL CODE (CMC)  
PART 5, 2019 CALIFORNIA PLUMBING CODE (CPC)  
PART 9, 2019 CALIFORNIA FIRE CODE (CFC)
  - 2016 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13, 72, 80, 90A, 99, AND 101.
  - INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTATION AND SPECIFICATION, INCLUDING STATE FIRE MARSHALL LISTING SHEETS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY THE STATE FIRE MARSHALL.
  - UPON COMPLETION OF INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE STATE FIRE MARSHALL.
  - A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
  - ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD.
  - ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
  - ALL PENETRATIONS THROUGH RATED ASSEMBLIES, REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM SECTION.
  - AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBLES (Dba) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 Dba ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIED SPACE WITHIN THE BUILDING.
  - AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
  - THE CONTRACTOR SHALL ADJUST/INSTALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
  - VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
  - UNDERGROUND AND EXTERIOR CONDUIT SHALL HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
  - ALL FIRE ALARM WIRING SHALL BE FPL (FIRE POWER LIMITED) OR FPLP (FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
  - PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
  - IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION OF NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL AREA IS READY TO BE TURNED OVER TO THE OWNER.
  - ALL FIRE ALARM CIRCUITS ARE TO BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE THE CEILING, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON THE DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
  - FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
  - A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM A COMMON USE AREA PANEL AND SHALL HAVE OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXPANDERS.
  - THE INSTALLER CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72, FIGURE 10.18.2.1.1.
  - CONTROL PANELS, REMOTE ANNUNCIATORS SHALL BE MOUNTED WITH THE TOP OF THE CONTROL DEVICE OR KEYPAD TO BE A MAXIMUM OF 48".
  - THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
  - SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
  - OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
  - THE FIRE ALARM SYSTEM SHALL CONFORM TO 2019 CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE 760 AND 2016 CALIFORNIA FIRE CODE (CFC) SECTION 907.
  - BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT TO THE STATE FIRE MARSHALL TO THE EFFECT THAT THE SYSTEM HAS BEEN INSTALLED AND TESTED IN ACCORDANCE WITH THE 2016 NFPA 72 SECTION 14.4.1.
  - PROVIDE A RECORD OF COMPLETION PER NFPA 72 CHAPTER 7.5.6.
  - AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AND CBC 907.6.5.2. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UJFX OR UJIS BY UL OR SHALL MEET THE REQUIREMENTS OF FM STANDARDS 3011.
  - TEST, INSPECTION AND MAINTENANCE SHALL COMPLY WITH NFPA 72 CHAPTER 14 REQUIREMENTS.
  - EACH BUILDING TO BE A SEPARATE SPEAKER ZONE. (CFC 907.63).
  - FIRE ALARM DESIGN IS DIAGRAMMATICAL ONLY.
  - FULL DESIGN PROVIDED BY DESIGN BUILD CONTRACTOR AS DEFERRED SUBMITAL.



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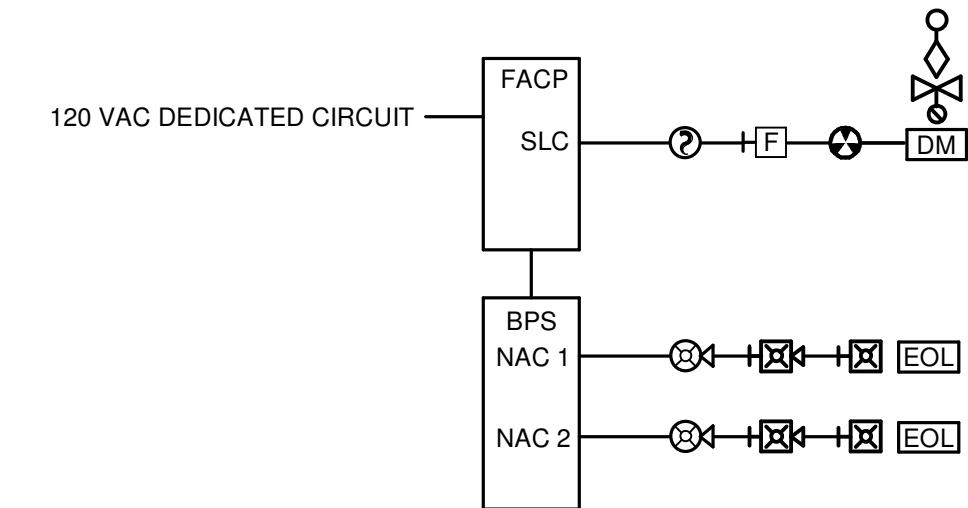
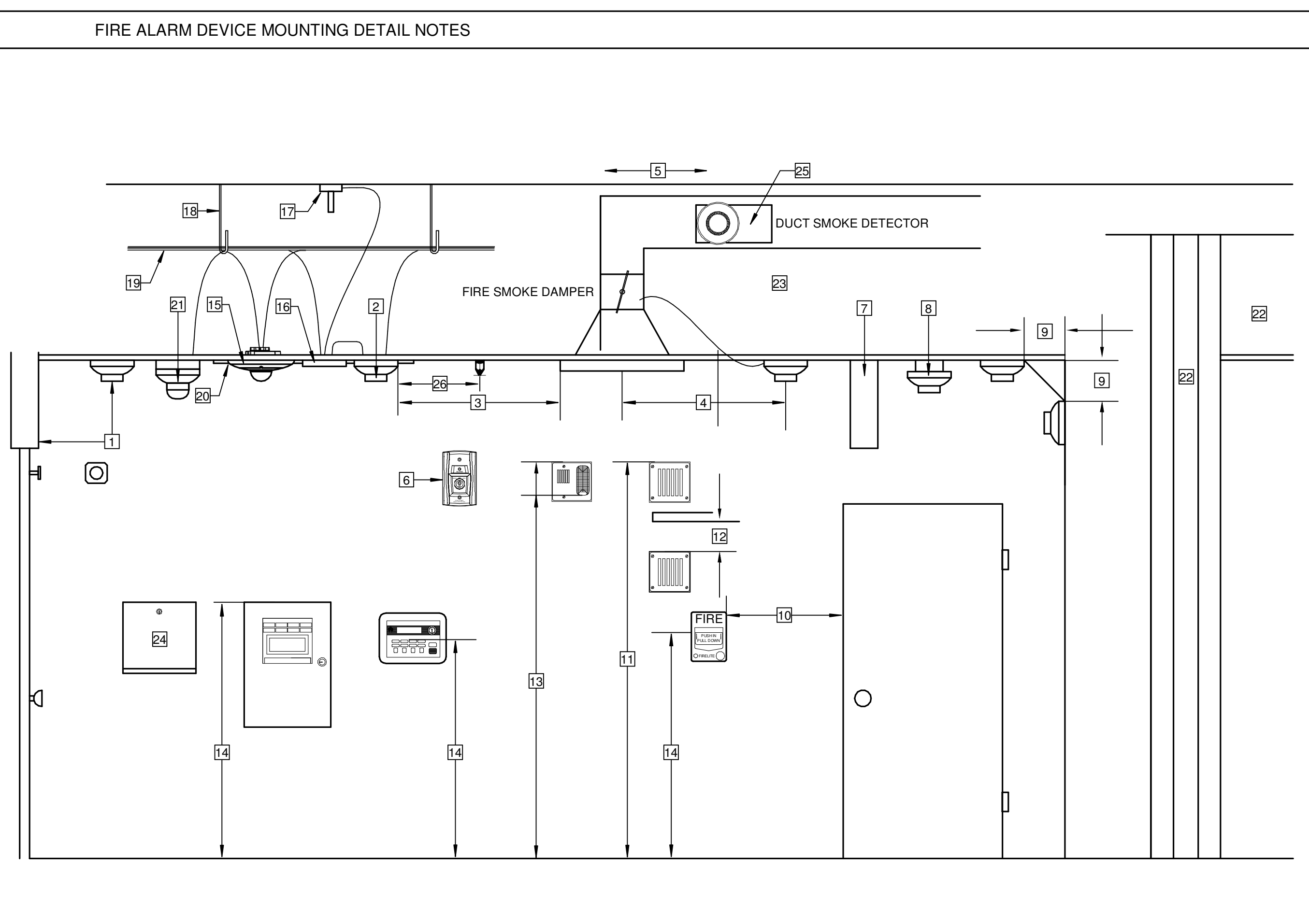
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- ### FIRE ALARM DEVICE MOUNTING DETAIL NOTES
- MOUNT DOOR HOLDER SMOKE DETECTOR MAXIMUM 3' FROM DOOR AND A MINIMUM OF 1' FROM DOOR.
  - NFPA 72 17.7.3.2.3.1 ON SMOOTH CEILINGS, SPACING FOR SMOKE DETECTORS SHALL BE IN ACCORDANCE WITH ONE OF THE FOLLOWING REQUIREMENTS:  
1. THE DISTANCE BETWEEN SMOKE DETECTORS SHALL NOT EXCEED SPACING OF 30'.  
2. ALL POINTS ON THE CEILING SHALL HAVE A DETECTOR WITHIN A DISTANCE EQUAL TO OR LESS THAN 21'.
  - NFPA 72 17.7.4.1 MOUNT SMOKE DETECTOR MINIMUM OF 3' AWAY FROM DIFFUSER VENT.
  - MOUNT SMOKE DETECTOR FOR FIRE SMOKE DAMPER (FSD) WITHIN 3' OF SUPPLY VENT.
  - DUCT SMOKE DETECTOR SHALL BE MOUNTED 6 TO 10 TIMES THE DIAMETER OF DUCT FROM BEND OR OBSTRUCTION.
  - NFPA 72 17.4.7 WHERE FIRE DETECTORS ARE INSTALLED IN CONCEALED LOCATIONS MORE THAN 10' AFF OR IN ARRANGMENTS WHERE THE DETECTOR'S ALARM OR SUPERVISORY INDICATOR IS NOT VISIBLE TO RESPONDING PERSONNEL, DETECTORS SHALL BE PROVIDED WITH A REMOTE INDICATOR OR SUPERVISORY INDICATION ACCEPTABLE WITH AUTHORITY HAVING JURISDICTION (AHJ).
  - NFPA 72 17.7.3.2.4.2 BEAM POCKET SPOT DETECTOR ARE REQUIRED FOR BEAMS GREATER THAN 18" BELOW CEILING AND SPACED MORE THAN 8' ON CENTER. EACH BAY FORMED BY BEAM SHALL BE TREATED AS A SEPARATE AREA. BEAMS LESS THAN 12" IN DEPTH AND SPACED LESS THAN 8' ON CENTER SHALL HAVE DETECTORS INSTALLED ON THE BOTTOM OF THE BEAM. OR, CEILINGS WITH BEAM DEPTHS LESS THAN 10 PERCENT OF THE CEILING HEIGHT, SMOOTH CEILING SPACING IS PERMITTED AND DETECTORS PLACED ON THE BOTTOM OF THE BEAM. BEAMS EQUAL TO OR GREATER THAN 10 PERCENT OF CEILING HEIGHT WITH BEAM SPACING GREATER THAN 40 PERCENT OF CEILING HEIGHT, SPOT DETECTORS SHALL BE LOCATED IN EACH CELL.
  - NFPA 72 17.6.3.3.1.1 BEAMS PROJECTING LESS THAN 4" SHALL BE TREATED AS A SMOOTH CEILING.
  - NFPA 72 17.6.3.3.1.3.1 SMOKE DETECTORS SHALL BE MOUNTED ON THE CEILING MINIMUM 4" FROM WALL, AND 4" MINIMUM TO 12" MAXIMUM FROM CEILING MOUNTED ON WALL.
  - NFPA 72 17.14.5 THE OPERABLE PART OF A MANUALLY ACTUATED ALARM-INITIATING DEVICE SHALL NOT BE LESS THAN 42" AFF AND NOT MORE THAN 48" AFF. NFPA 72 17.14.8.4 MANUAL FIRE ALARM BOXES SHALL BE LOCATED WITHIN 5' OF EACH EXIT DOORWAY ON EACH FLOOR.
  - NFPA 72 18.4.8.1 MOUNT EXTERNAL HORN AT 90° MINIMUM AND 100° MAXIMUM TO THE TOP OF THE DEVICE.
  - NFPA 72 18.5.5.2 WHERE LOW CEILING HEIGHTS DO NOT PERMIT WALL MOUNTING AT A MINIMUM OF 80", WALL MOUNTED VISIBLE APPLIANCES SHALL BE MOUNTED WITHIN 6" OF THE CEILING.
  - NFPA 72 18.5.5.1 WALL MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AFF AND NOT GREATER THAN 96" AFF.
  - CBC 1117B.0 (3) MOUNT FIRE ALARM CONTROL PANELS AND ANNUNCIATORS AT A MAXIMUM OF 48" TO THE TOP OF THE CONTROL PANEL OR KEY BOARDS.
  - CEILING MOUNTED HORN / SPEAKER STROBE
  - MONITOR MODULE
  - RATE OF RISE HEAT DETECTOR, MOUNTED IN ABOVE CEILING / ATTIC SPACE.
  - APPROVED WIRE MANAGEMENT, ie J-HOOK OR D-RING.
  - ABOVE CEILING CIRCUITS ROUTING IN AN ACCESSIBLE ATTIC SPACE.
  - NON-ACCESSIBLE CEILINGS MUST USE EITHER EMT OR APPROVED WIREMOLD RACEWAY, AS SHOWN ON PLANS.
  - MULTI-CRITERIA PHOTOELECTRIC SMOKE / CO DETECTOR WITH SOUNDER BASE. MOUNT IN AREAS WHERE FOSSIL FUEL IS USED.
  - NFPA 72 17.5.3.1.1 IN ACCESSIBLE SPACES THAT DO NOT MEET THIS CRITERIA MUST BE MADE ACCESSIBLE AND DETECTION MUST BE INSTALLED.  
  
SMOKE / HEAT DETECTION COVERAGE IS REQUIRED IN ALL COMBUSTIBLE AREAS, UNLESS:  
A. CEILING IS ATTACHED DIRECTLY TO THE UNDERSIDE OF THE SUPPORTING BEAM OR ROOF DECK.  
B. CONCEALED SPACE IS ENTIRELY FILLED WITH NON-COMBUSTIBLE INSULATION.  
C. THE SMALL CONCEALED SPACE OVER ROOMS THAT DO NOT EXCEED 50 SQ. FT. IN AREA.  
D. SPACES FORMED BY FACING STUDS OR SOLID JOISTS IN WALLS, FLOORS, OR CEILINGS WHERE THE FACING STUD OR SOLID JOIST IS LESS THAN 6".
  - NFPA 72 17.5.3.1.4 DETECTION FOR CONCEALED ACCESSIBLE SPACES ABOVE SUSPENDED CEILING USED AS A RETURN PLENUM SHALL BE PROVIDED AT EACH CONNECTION FROM RETURN AIR PLENUM AT CENTRAL AIR HANDLING UNIT.
  - NFPA 72 7.7.2 WITH EVERY NEW FIRE ALARM SYSTEM A DOCUMENTATION CABINET SHALL BE INSTALLED AT THE FIRE ALARM CONTROL PANEL OR AT ANOTHER LOCATION APPROVED BY AHJ. THE CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS".
  - NFPA 90A 6.4.2.1 SMOKE DETECTORS LISTED FOR USE IN AIR DISTRIBUTION SYSTEMS SHALL BE LOCATED AS FOLLOWS: DOWNSTREAM OF THE AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS IN AIR SUPPLY SYSTEMS HAVING A CAPACITY GREATER THAN 2000 CFM.
  - SMOKE DETECTORS SHALL NOT BE CLOSER THAN 1' FROM SPRINKLERS.



**1 FIRE ALARM RISER DIAGRAM**  
SCALE: NTS

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
| 1   | ISSUED FOR BUILDING PERMIT | 04/01/2022 |

JOB NO.

DESCRIPTION  
**FIRE ALARM RISER AND DETAILS**

**E402**

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
 KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
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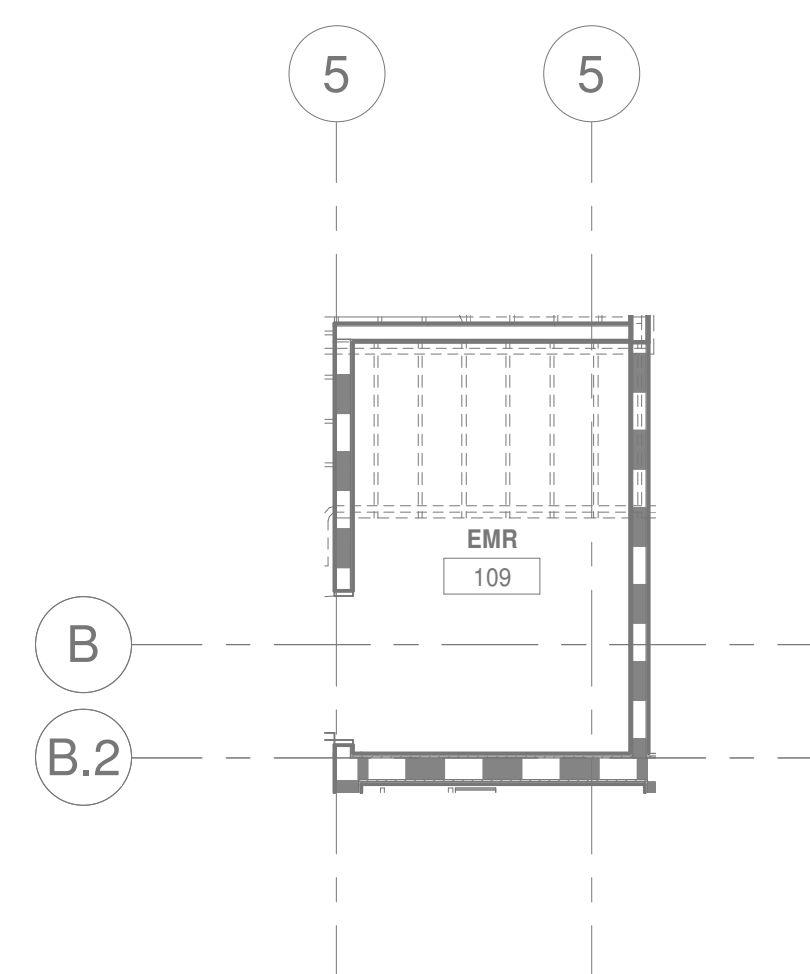
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MEP: LIST ENGINEERING CO.  
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AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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**1** ELEVATOR MACHINE ROOM - GROUND FLOOR  
 SCALE: 1/4" = 1'-0"

| NO. | DESCRIPTION                | DATE       |
|-----|----------------------------|------------|
|     | ISSUED FOR BUILDING PERMIT | 04/01/2022 |
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JOB NO.

DESCRIPTION  
**ENLARGED PLANS  
 AND DETAILS**

 **E501**

## GENERAL NOTES

### 1. GENERAL REQUIREMENTS

- A. REFER TO THE SPECIFICATIONS FOR COMPLETE REQUIREMENTS.  
LOCATION SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATION SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS
- B. DEVICE QUANTITIES SHOWN ON THE FLOOR PLANS AND REFLECTED CEILING PLAN TO TAKE PRECEDENCE OVER THE DEVICE QUANTITY SHOWN ON SINGLE-LINE AND FUNCTIONAL BLOCK DIAGRAMS
- C. QUANTITIES SHOWN ON THE FUNCTIONAL BLOCK DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE RACK ELEVATIONS.  
QUANTITIES SHOWN IN THE DEVICE SCHEDULES TAKE PRECEDENCE OVER THE QUANTITY SHOWN ON THE SINGLE-LINE DIAGRAMS, FLOOR PLANS AND REFLECTED CEILING PLANS
- D. LOCATION SHOWN ON THE LARGE-SCALE DRAWINGS TAKE PRECEDENCE OVER LOCATION SHOWN ON SMALL-SCALE DRAWINGS.
- E. KEY NOTES APPEARING WITHIN A KEYNOTE FIELD BUT NOT REFERENCED WITHIN A GIVING DRAWING SHALL BE CONSIDERED AS GENERAL NOTES
- F. WHERE AUDIOVISUAL SYSTEMS WIRING IS INDICATED WHERE RACEWAY IS NOT INDICATED, PROVIDE SUCH WIRING SUPPORT ABOVE CEILING VIA J-HOOKS.
- H. LOCATE SUCH HOOKS IN LOCATIONS THAT ARE ACCESSIBLE AS DEFINED BY THE CALIFORNIA ELECTRICAL CODE. DOCUMENT LOCATION ON RECORD DRAWINGS.

### 2. COORDINATE

- A. COORDINATE WITH THE WORK OF ALL SECTIONS OF THIS CONTRACT AND WITH ALL SEPARATE CONTRACTS. COORDINATE THE LOCATIONS OF BLOCKING, BACKING AND SUPPORT SYSTEMS REQUIRED. MAKE REASONABLE MINOR MOVES TO PRESERVE ARCHITECTURAL SYMMETRY AND ALIGNMENT WITH NO CLAIM FOR ADDITIONAL COST OR TIME.
- B. PRESENT CONFLICTS TO THE PROJECT MANAGER IN A TIMELY MANNER FOR RESOLUTION
- C. RELOCATION, REVISION OR CORRECTION CAUSED BY THE FAILURE OF THE CONTRACTOR TO COORDINATE THE WORK SHALL NOT BE SUBJECT FOR CLAIM FOR ADDITIONAL COST OR TIME.

### 3. PENETRATIONS

- A. AT PENETRATIONS OF RATED ASSEMBLIES REQUIRING OPENING PROTECTION PROVIDE A THROUGH PENETRATION FIRE STOP THAT HAS AN T AND F RATING AT LEAST EQUAL TO THAT OF THE ASSEMBLY PENETRATED  
REFER TO ARCHITECTURAL PLANS FOR CONSTRUCTION AND RATING OF DEMISING PARTITIONS. WHERE NOT INDICATED, ASSUME ALL INTERIOR WALLS EXTEND TO THE STRUCTURE OF THE FLOOR ABOVE.

### 4. SUPPORT

- A. PROVIDE ALL BLOCKING, BRIDGE, TIES, FASTENERS AND RELATED SUPPORT PROVISIONS FOR COMMUNICATION SYSTEMS WORK. COMPLY WITH APPLICABLE CODE REQUIREMENTS FOR MEANS OF SUPPORT OF ELECTRICAL EQUIPMENT OF THE SAME WEIGHT UNDER THE SAME MOUNTING CONDITIONS.  
DO NOT APPLY ANY LOAD TO BUILDING STRUCTURE WITHOUT FIRST OBTAINING WRITTEN APPROVAL OF THE PROJECT MANAGER. OBTAIN PER PROJECT PROCEDURES.

### 5. BOX, PANEL AND ENCLOSURE INSTALLATION

- A. COORDINATION: COORDINATE THE LOCATION OF ALL BOXES, PANELS, ENCLOSURES AND RELATED RACEWAY WITH THE WORK OF ALL SECTIONS IN THIS CONTRACT AND IN ALL SEPARATE CONTRACTS.  
ACCESS: VERIFY ACCESS TO BOXES, PANELS AND ENCLOSURES COMPLIES WITH THE APPLICABLE CODE. IN CASE OF APPARENT CONFLICT OR AMBIGUITY, SUBMIT IN A TIMELY MANNER FOR RESOLUTION.  
ALIGNMENT: INSTALL BOXES, PANELS, AND ENCLOSURES SQUARE AND PLUM. SET FLUSH MOUNTED UNIT SO THAT THE FACE OF THE COVER, BEZEL OR ESCUTCHEON IS IN THE SAME PLANE AS THE SURROUNDING FINISHED SURFACE. MOUNT BOXES, PANELS AND TRIM SO THAT THERE ARE NO GAPS, CRACKS OR OBVIOUS LINES BETWEEN THE TRIM IN THE ADJACENT FINISHED SURFACE.
- C. TYPE: UNLESS OTHERWISE NOTED PROVIDE STEEL BOXES, PANELS AND ENCLOSURES. COMPLY WITH DIVISION 27 REQUIREMENTS AND APPLICABLE CODE.

- E. SIZE: PROVIDE THE LARGEST OF THE SIZE REQUIRED BY CODE. SIZE REQUIRED BY APPLICABLE STANDARDS FOR TABLE RADIUS OR AS INDICATED ON THE DRAWINGS, WHICHEVER IS LARGER.  
PROVIDE BLANK COVERS OR PLATES AT BOXES AND ENCLOSURES WHERE NO DEVICES ARE INDICATED.
  - F. MATCH OTHER PLATES IN AREA, EXISTING OR NEW AS APPLIES.
- ### 6. RACEWAY
- PROVIDE RACEWAY TYPE AND QUANTITY AS INDICATED IN WIRING NOTES, PLAN NOTES, PLAN KEYNOTES OR AS OTHERWISE INDICATED. COMPLY WITH THE MOST RESTRICTIVE REQUIREMENTS OF DIVISION 27 FOR WIRING OF THE APPLICABLE CLASS IN THE APPLICABLE LOCATION. IN THE EVENT OF CONFLICT, PROVIDE A LARGER SIZE OR QUANTITY AS APPLIES.
  - A. FOR COMMUNICATION SYSTEMS, UNLESS OTHERWISE NOTED PROVIDE RACEWAY WITH CROSS-SECTIONAL AREA EQUIVALENT TO 1 INCH DIAMETER TRADE SIZE FOR COMMUNICATION STATION CABLING.
  - B. PULL BOXES: PROVIDE AS REQUIRED BY THE MOST RESTRICTIVE OF THE APPLICABLE CODE WITH THE PROVISIONS OF DIVISION 27. COORDINATE WITH WIRING CABLE BEND RADIUS.
- ### 7. GROUNDING AND BONDING
- COMPLY WITH ALL APPLICABLE CODES AND SECTION 27 05 26. REFER TO THE CALIFORNIA ELECTRICAL CODE AND RELATED REFERENCES THEREIN COMPLY WITH THE MOST RESTRICTIVE.
  - A. ALL CONDUCTIVE RACEWAY, RUNWAY, TRAY AND RELATED BOXES, PANELS AND ENCLOSURES AND CABINETS AS REQUIRED BY APPLICABLE CODE AND DIVISION 27.

## LEGEND

- SURFACE RACEWAY.  
FOR COMMUNICATIONS SYSTEM PROVIDED UNDER DIV. 27.
- MARK INDICATES RACEWAY DROP FROM CEILING.
- (E) UNDERGROUND DUCTS WITH NEW FILL. PER SCHEDULE, AND SPECIFICATION SECTION 27 10 00.
- NEW WIRE AND/OR CABLE IN EXPOSED CONDUIT OR RACEWAY. FILL PER SCHEDULE, PLANS AND SPECIFICATION SECTION 27 10 00.
- NEW WIRE AND/OR CABLE INSIDE NEW CONDUIT WALLS OR IN CEILING.
- NEW WIRE AND/OR CABLE IN (N) UNDERGROUND CONDUIT. FILL PER SCHEDULE, PLANS AND SPECIFICATION SECTION 27 10 00.
- CABLE/RACEWAY TURNS UP
- CABLE/RACEWAY TURNS DOWN
- HOME RUN
- CONDUIT TO CABLE TRANSITION POINT
- CABLES W/O CONDUIT ABOVE SUSPENDED CEILING, SUPPORTED BY J-HOOKS AT 4'-0" O.C. INSTALLATION PER SPEC. SECTION 27 05 29.
- WIRING NOTES
- KEYNOTES
- CABLE RUNWAY OR CABLE TRAY. TYPE & SIZE AS INDICATED ON PLANS AND SPECIFICATIONS SECTION 27 05 36.

## GENERAL SYMBOLS

- ROOM KEY  
ROOM NAME  
ROOM NUMBER
- DETAIL SYMBOL  
DRAWING NUMBER  
SHEET NUMBER
- DRAWING NUMBER  
SHEET NUMBER
- BLDG. SECTION KEY  
DRAWING NUMBER  
SHEET NUMBER
- WALL SECTION KEY  
DRAWING NUMBER  
SHEET NUMBER
- ELEVATION KEY  
DRAWING NUMBER  
SHEET NUMBER
- COLUMN GRID  
GRID LINES
- BUILDING LABEL
- DRAWING MATCH LINE
- REVISION SYMBOL  
REVISION NUMBER

**Smith, Fause & McDonald Inc.**  
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STAMP

DATE 03/11/2021  
RAY ENRIQUEZ  
REGIS. NO. 106011  
EXPIRES 12/31/2022

PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

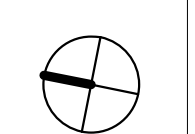
PROJECT TEAM

- CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
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| NO. | DESCRIPTION       | DATE       |
|-----|-------------------|------------|
|     | ISSUED FOR PERMIT | 04/01/2021 |
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JOB NO.  
0000 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
GENERAL NOTES, SYMBOLS AND LEGEND

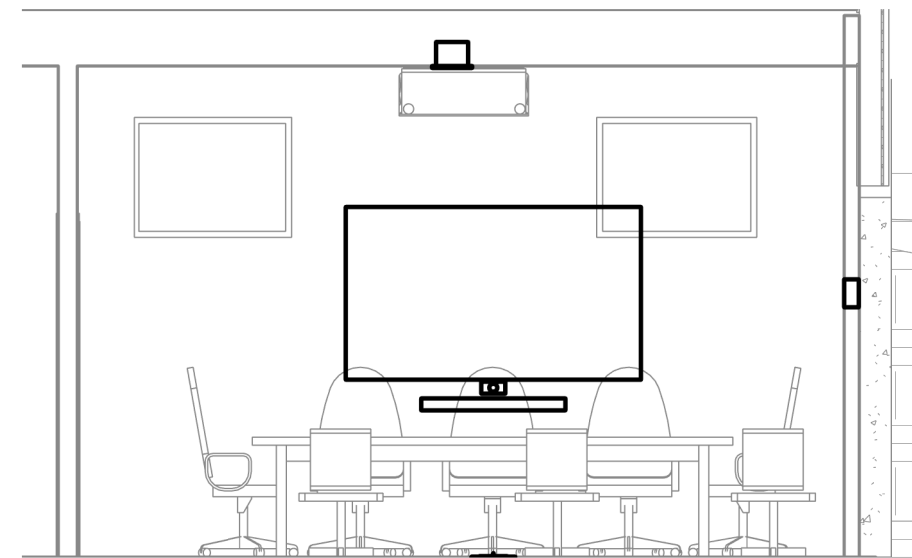


**TA001**

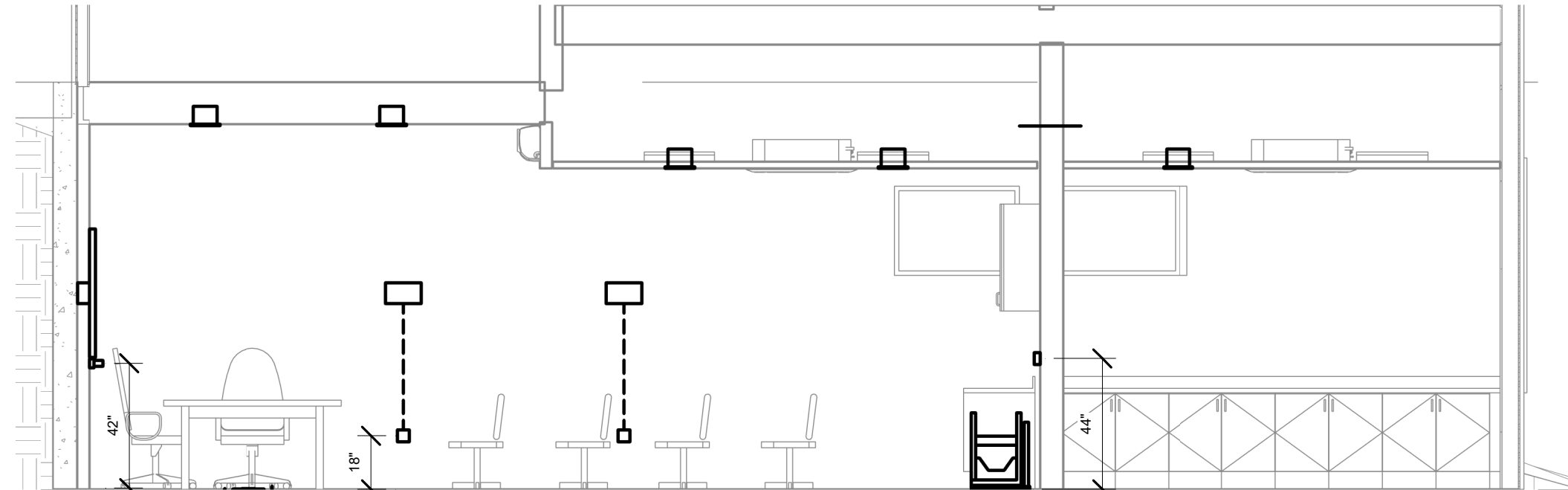








2 MEETING 111 - NORTH ELEVATION  
1/4" = 1'-0"



3 MEETING 111 - EAST ELEVATION  
1/4" = 1'-0"

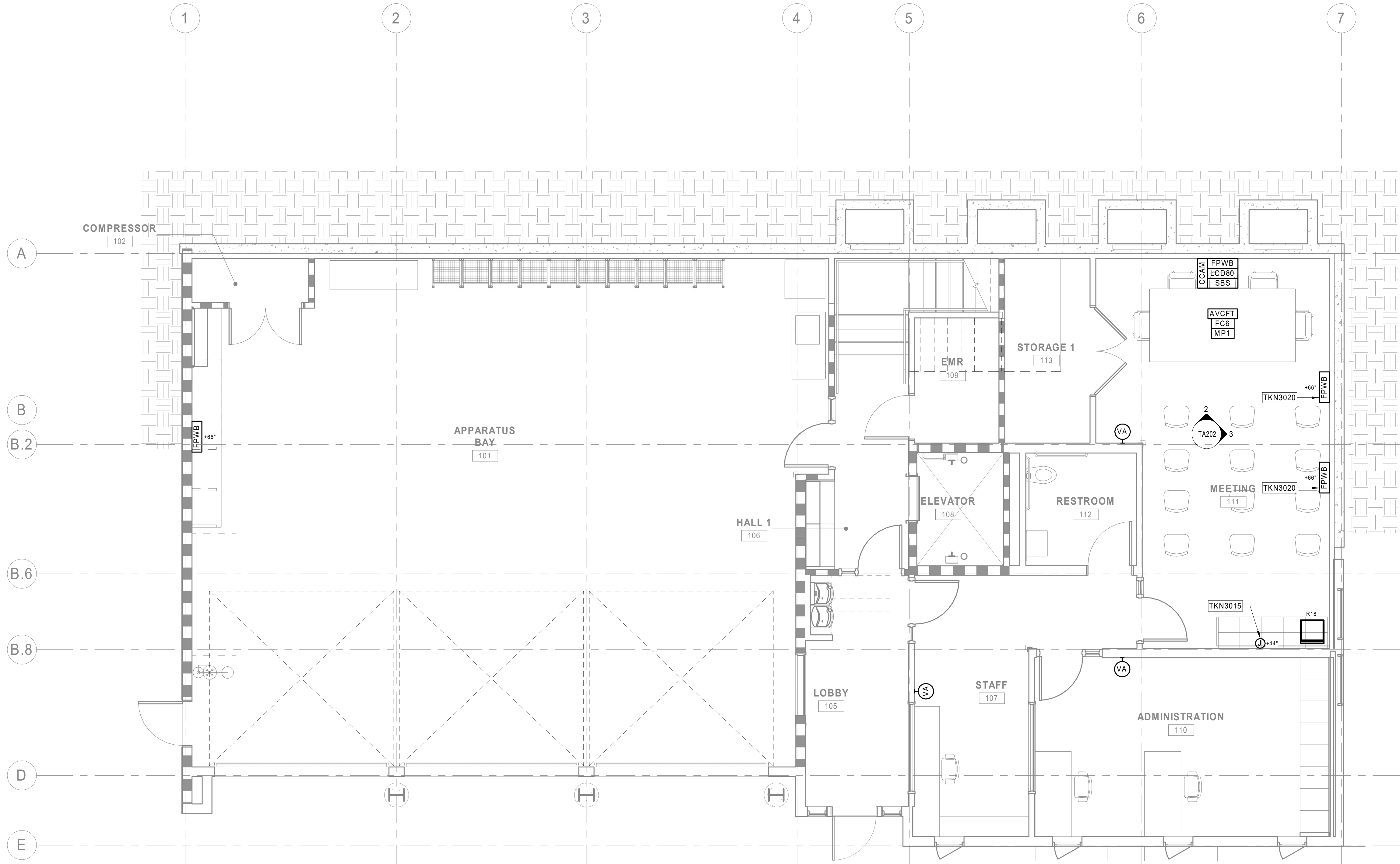
| KEYNOTES |   |
|----------|---|
| TKN3015  | PROVIDE A 4S BOX WITH 2 GANG RING AND BLANK FACEPLATE FLUSHED IN THE WALL, FOR FUTURE AV CAMERA. STUB 1"C. TO ACCESSIBLE CEILING. |
| TKN3020  | PROVIDE (1)1.5" C. DOWN TO A 5S BOX WITH 1 GANG RING AND BLANK FACEPLATE. INSTALL 5S BOX AT 18" AFF.                              |

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STAMP  
  
 DATE 03/11/2021  
 RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2021

PROJECT ADDRESS  
**217 ARLINGTON AVE.**  
**KENSINGTON, CA 94707**

PROJECT TEAM  
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1 AUDIOVISUAL - GROUND FLOOR PLAN  
1/4" = 1'-0"

| NO.  | DESCRIPTION        | DATE       |
|------|--------------------|------------|
| 100% | DESIGN DEVELOPMENT | 12/17/2021 |
|      | ISSUED FOR PERMIT  | 04/01/2021 |
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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 AUDIOVISUAL - GROUND FLOOR PLAN &  
 ELEVATIONS

**TA202**

STAMP

DATE 03/11/2021  
 RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2021

PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

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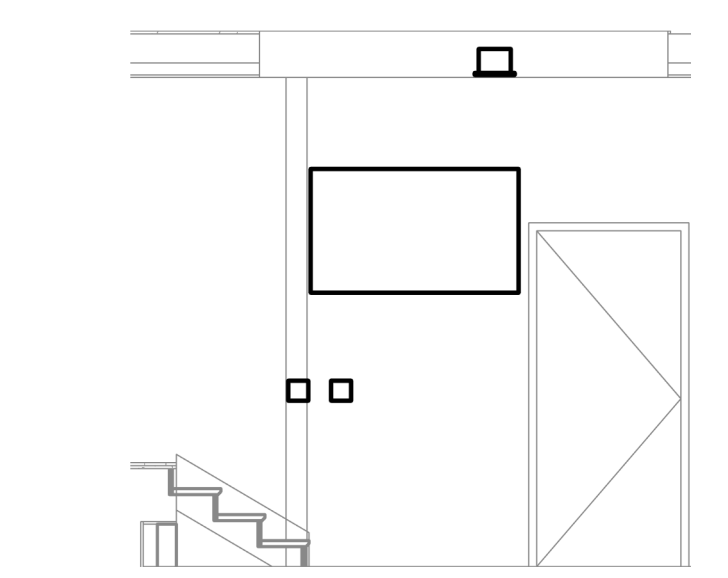
CIVIL: BKF ENGINEERS  
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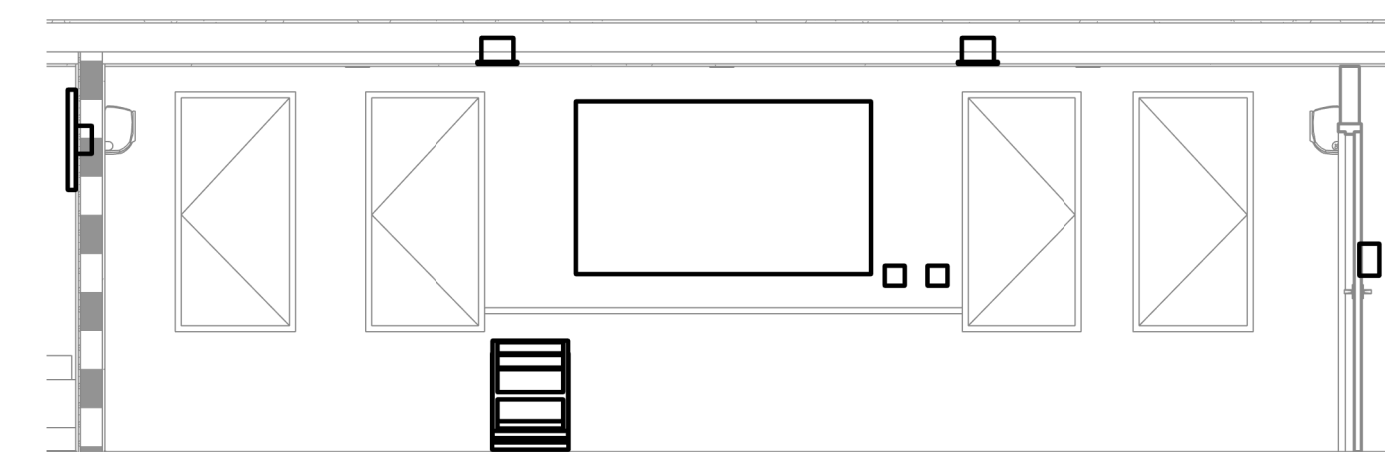
MEP: LIST ENGINEERING CO.  
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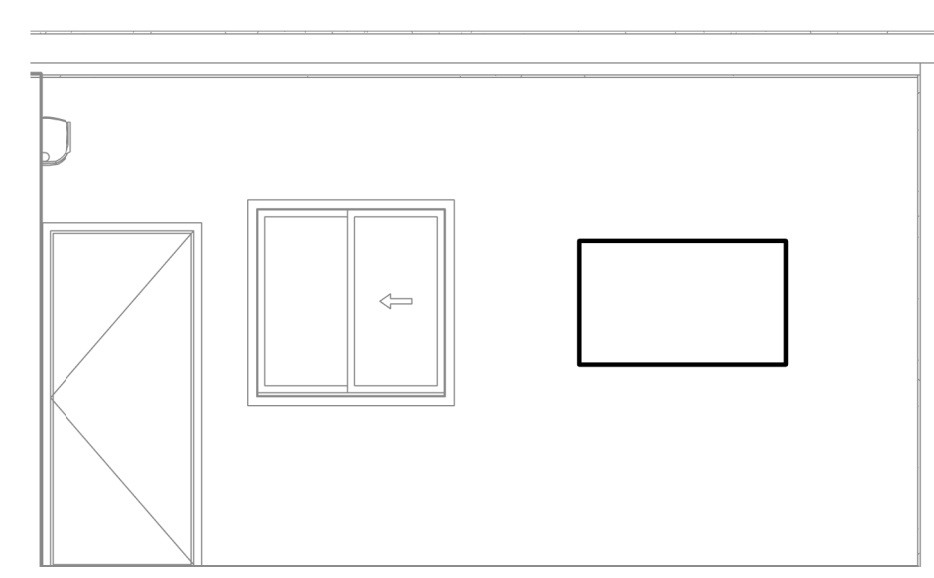
ESTIMATOR: MICROESTIMATION INC.  
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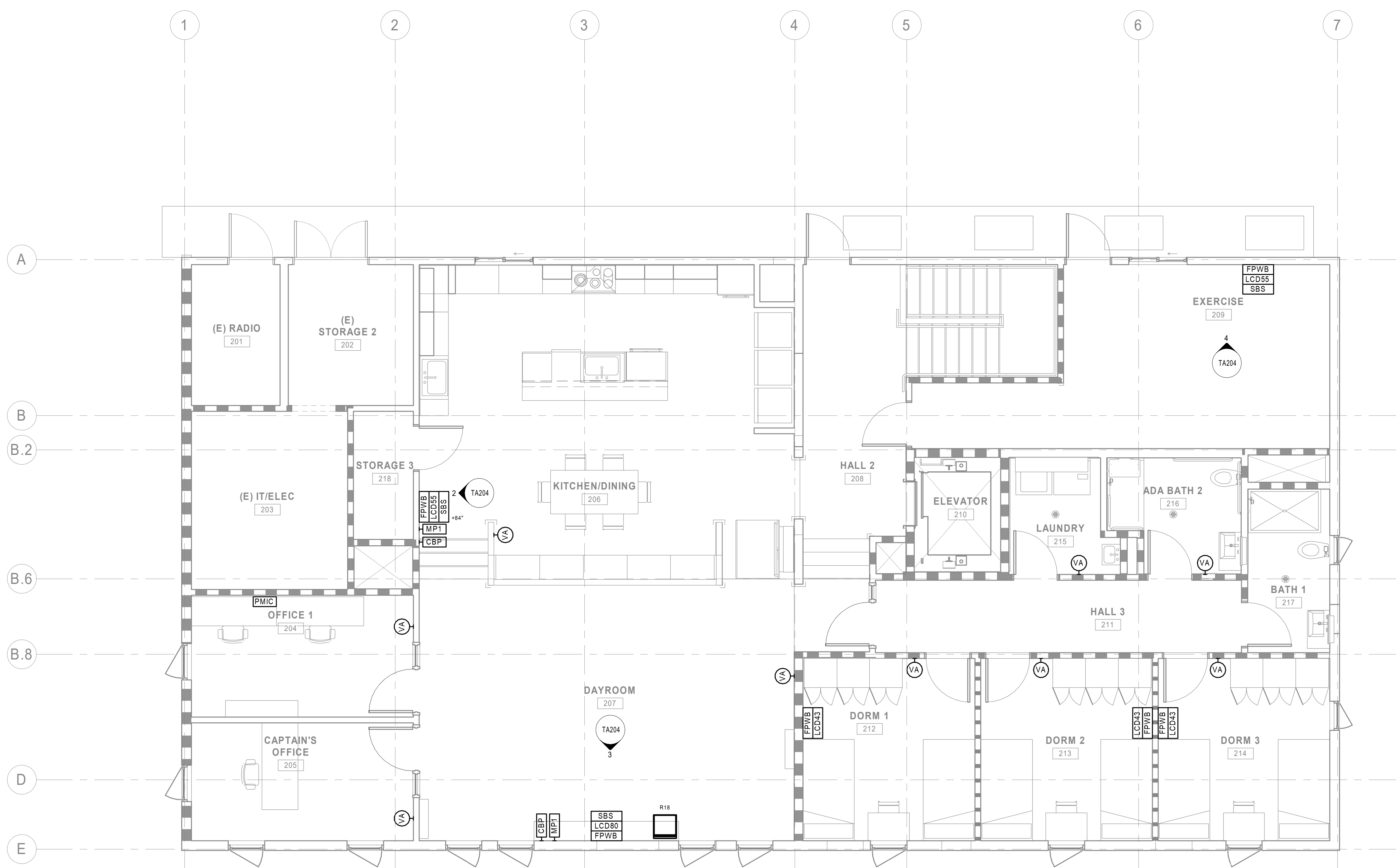
2 KITCHEN/DINING 206 - WEST ELEVATION  
 1/4" = 1'-0"



3 DAYROOM 207 - SOUTH ELEVATION  
 1/4" = 1'-0"



4 EXERCISE 209 - NORTH ELEVATION  
 1/4" = 1'-0"



1 AUDIOVISUAL - SECOND FLOOR PLAN  
 1/4" = 1'-0"

| NO.               | DESCRIPTION        | DATE       |
|-------------------|--------------------|------------|
| 100%              | DESIGN DEVELOPMENT | 12/17/2021 |
| ISSUED FOR PERMIT |                    | 04/01/2021 |


JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 AUDIOVISUAL - SECOND FLOOR PLAN

TA204

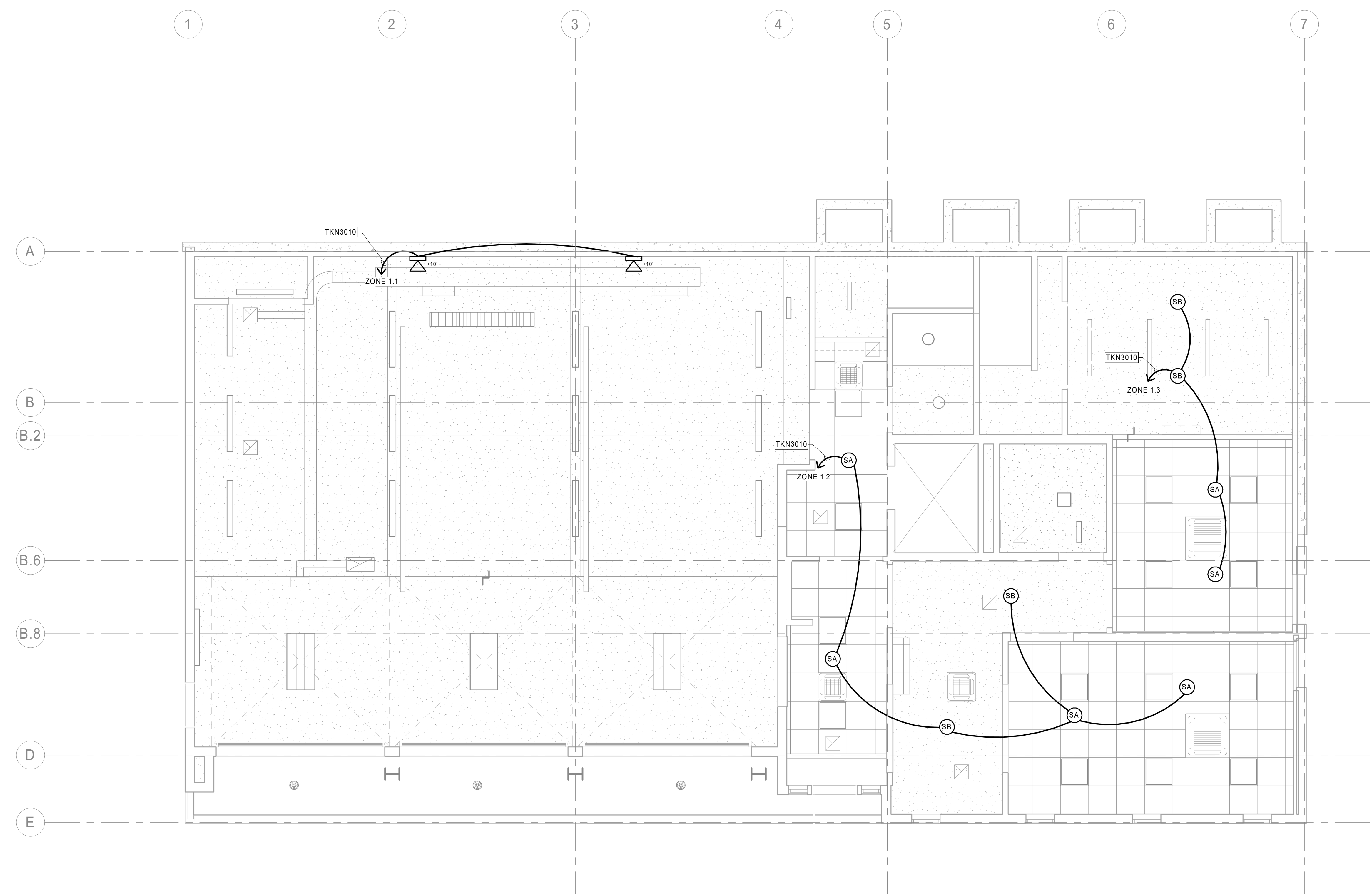
| KEYNOTES |                                      |
|----------|--------------------------------------|
| TKN3010  | H.R. 3/4" C. TO RACK IN IT ROOM 203. |

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 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390  
 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140  
 ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626



1 AUDIOVISUAL - FIRST FLOOR RCP  
 1/4" = 1'-0"

| NO. | DESCRIPTION       | DATE       |
|-----|-------------------|------------|
|     | ISSUED FOR PERMIT | 04/01/2021 |
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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 AUDIOVISUAL - FIRST FLOOR RCP

TA602





**SHEET NOTES**

- 1 THE PAGING SYSTEM UTILIZES A 70V DISTRIBUTION SYSTEM. REFER TO SPEC. SECTION 27 51 16 FOR OTHER REQUIREMENTS.
- 2 ON RECEIPT OF CLOSURE, WALL MTD VA AND VB ATTENUATORS DROP OUT OF CIRCUIT, PERMITTING UNATTENUATED SIGNAL TO PASS TO SPEAKERS.

**KEYNOTES**

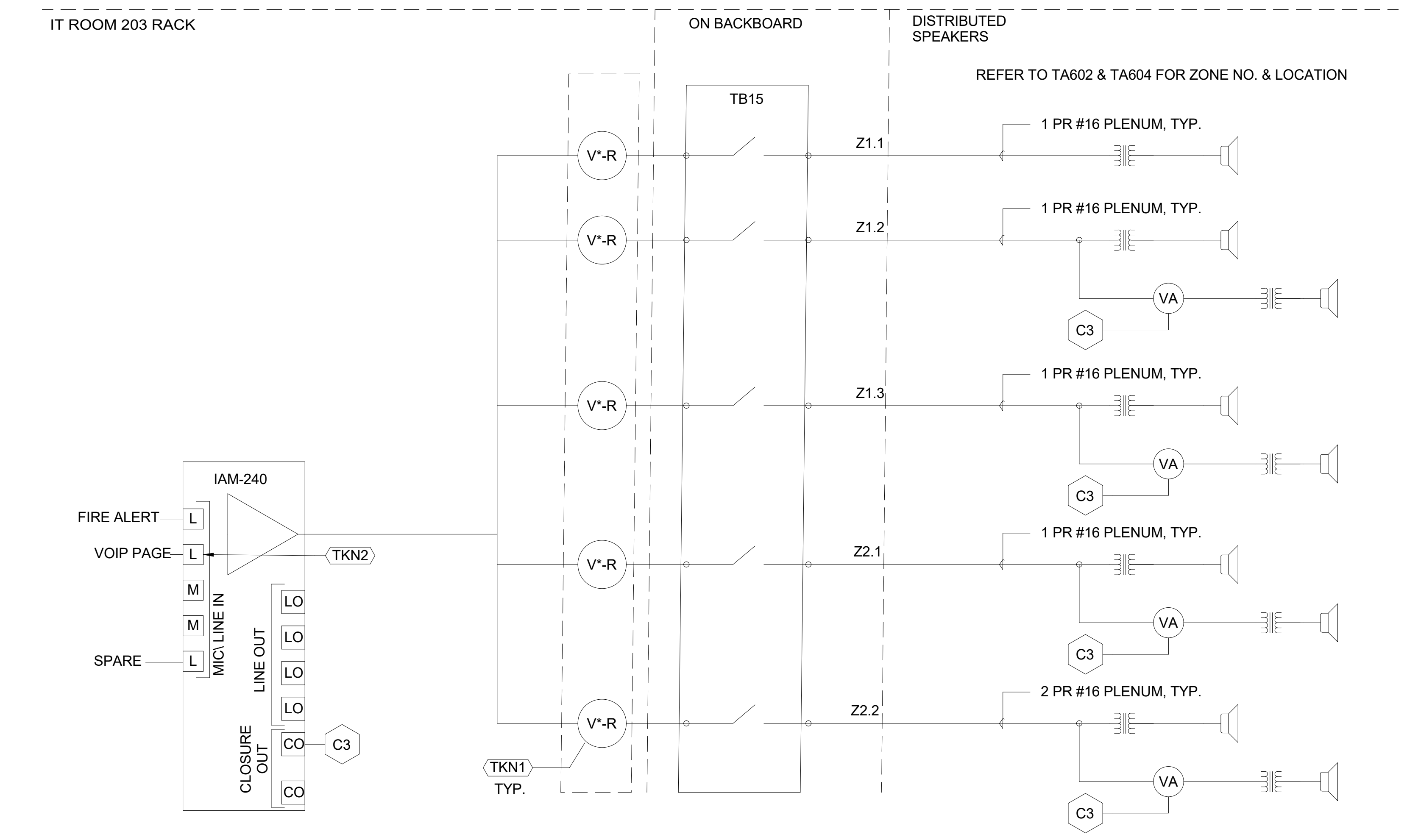
- TN COMMUNICATIONS SYSTEMS COMPLY WITH DIVISION 27.
- (TKN1) RACK MOUNTED VOLUME CONTROL. SIZE TO MATCH CONNECTED LOAD.
- (TKN2) PROVIDE TOA ZP-001T TELEPHONE ZONE PAGING MODULE TO BE USED TO RECEIVE PAGING INPUT FROM THE VOIP SYSTEM.

STAMP

DATE 03/11/2021  
 RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2021

PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

- PROJECT TEAM
- CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
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  - ARCHITECT: MARJANG ARCHITECTURE  
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  - CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200
  - GEOTECH: HALEY ALDRICH  
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**1 PUBLIC ADDRESS SINGLE LINE DIAGRAM**  
 NTS

| NO. | DESCRIPTION             | DATE       |
|-----|-------------------------|------------|
| 1   | 100% DESIGN DEVELOPMENT | 12/17/2021 |
| 2   | ISSUED FOR PERMIT       | 04/01/2021 |
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JOB NO.  
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DESCRIPTION  
 PUBLIC ADDRESS SINGLE LINE DIAGRAM

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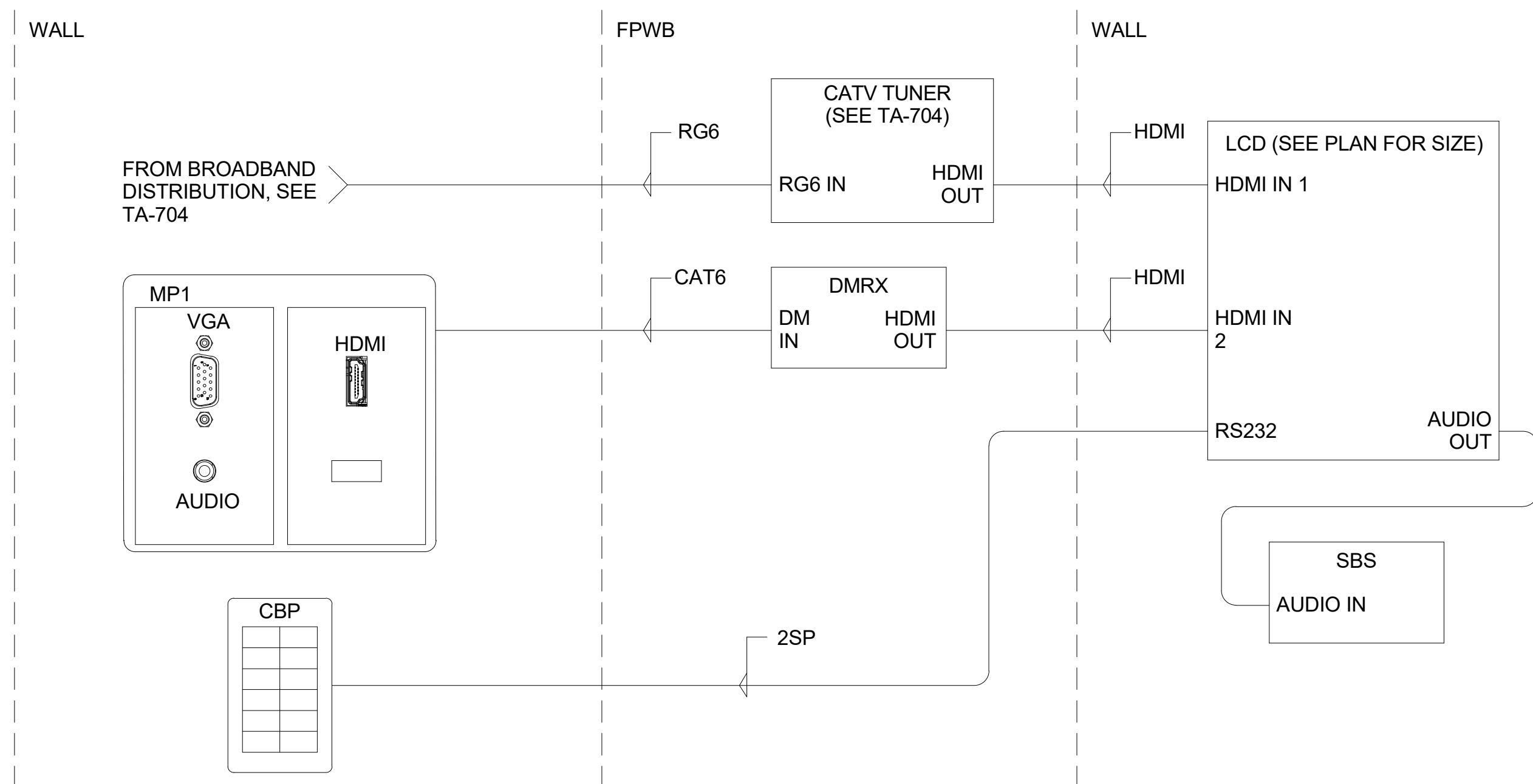
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DATE 03/11/2021

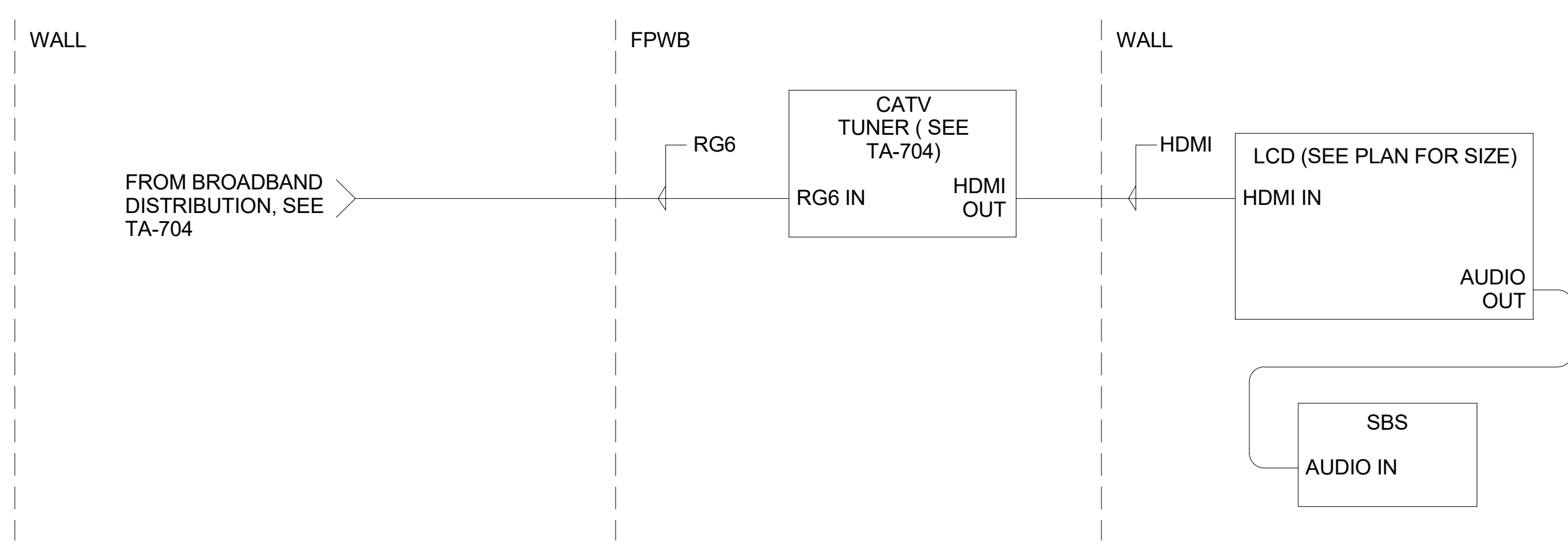
RAY ENRIQUEZ  
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 T: (415) 826-9626



**1 DAYROOM & KITCHEN/DINING AUDIOVISUAL FUNCTIONAL DIAGRAM**  
 NTS



**2 EXERCISE ROOM AUDIOVISUAL FUNCTIONAL DIAGRAM**  
 NTS

| NO. | DESCRIPTION       | DATE       |
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| 1   | ISSUED FOR PERMIT | 04/01/2021 |
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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 DAYROOM, KITCHEN/DINING & EXERCISE ROOM  
 AV FUNCTIONAL DIAGRAMS

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**RG6 LOSS AND EQUALIZATION**

|                               | 50 FEET | 100 FEET | 150 FEET | 200 FEET | 250 FEET | RANGE |
|-------------------------------|---------|----------|----------|----------|----------|-------|
| RG6 LOSS AT 55 MHZ            | 0.94    | 1.88     | 2.82     | 3.76     | 4.7      | 3.76  |
| RG6 LOSS AT 450 MHZ           | 2.14    | 4.28     | 6.42     | 8.56     | 10.7     | 8.56  |
| RG6 LOSS AT 750 MHZ           | 2.81    | 5.62     | 8.43     | 11.24    | 14.05    | 11.24 |
| STATION CABLE SLOPE           | -1.87   | -3.74    | -5.61    | -7.48    | -9.35    | 7.48  |
| 50 FT FEEDER SLOPE            | -1.87   | -1.87    | -1.87    | -1.87    | -1.87    |       |
| BBIDA EQUALIZER SLOPE         | 6       | 6        | 6        | 6        | 6        | 0     |
| BBSP4 OUTPUT PLUS CABLE SLOPE | 2.26    | 0.39     | -1.48    | -3.35    | -5.22    |       |
| TILT EQUALIZER                | 0       | 0        | 0        | 3        | 6        | 6     |
| RECEPTACLE TILT AT 750 MHZ    | 2.26    | 0.39     | -1.48    | -0.35    | 0.78     | 3.74  |

**SHEET NOTE**

1 WHERE CABLING IN PLENUM VOID IS NOT INSTALLED IN CONDUIT, PROVIDE PLENUM RATED CABLING.

**KEYNOTES**

TKN AUDIO VISUAL SYSTEMS: COMPLY WITH DIVISION 27.

- TKN1 REFER TO 'TV' PLATES ON PLANS FOR EXACT LOCATIONS AND QUANTITY.
- TKN2 PROVIDE TYPE RG6 TRIPLE SHIELD CABLE HOME RUN FROM EACH MATV DEVICE.
- TKN3 TERMINATE ALL UNUSED PORTS.
- TKN4 BOND BROADBAND PASSIVES TO GROUND.
- TKN5 PROVIDE TYPE RG11 TRIPLE SHIELD CABLE.
- TKN6 CONNECT DEVICES WITH CABLE LENGTH IN APPROXIMATE RANGE OF 200 TO 275 FEET.
- TKN7 CONNECT DEVICES WITH CABLE LENGTH IN APPROXIMATE RANGE OF 150 TO 200 FEET.
- TKN8 CONNECT DEVICES WITH CABLE LENGTH IN APPROXIMATE RANGE OF 100 TO 150 FEET.
- TKN9 CONNECT DEVICES WITH CABLE LENGTH IN APPROXIMATE RANGE OF 50 TO 100 FEET.

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 (415) 255-9140 Fax (415) 255-9180  
 www.sfmi.com info@sfmi.com

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 REGIS. NO. 106011  
 EXPIRES 12/31/2022

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**KENSINGTON, CA 94707**

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 CONTACT: KAREN MAR  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
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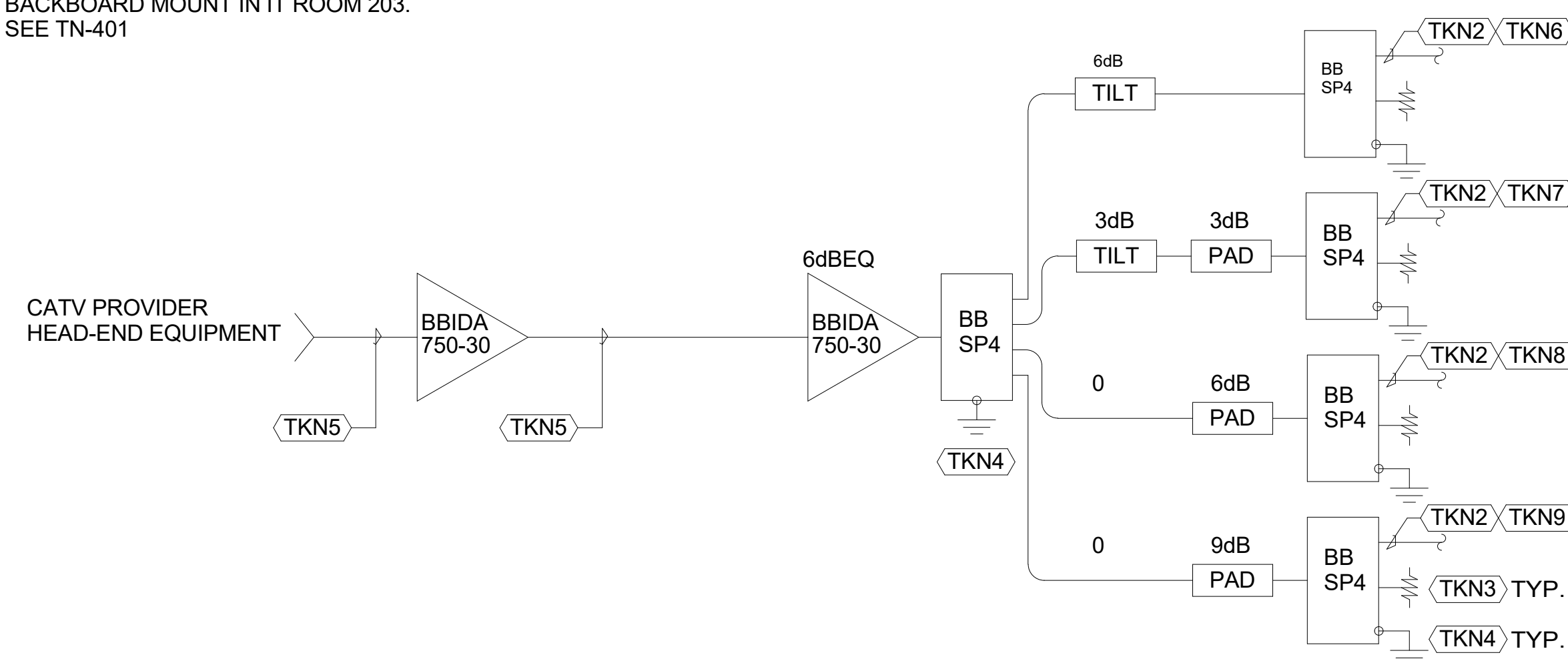
GEOTECH: HALEY ALDRICH  
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 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
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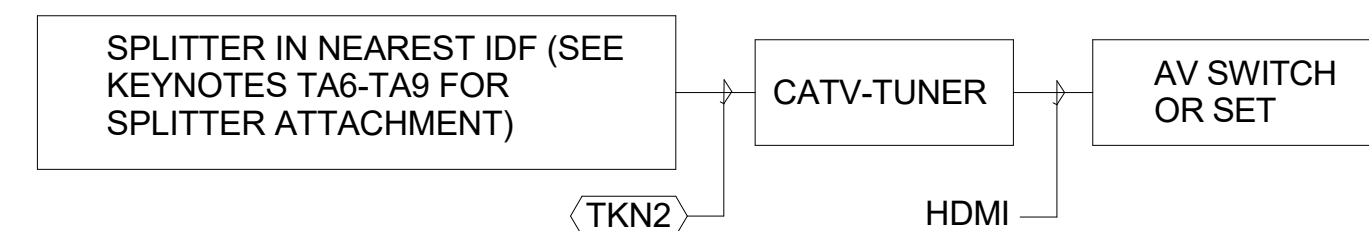
ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
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 CONTACT: HENRY TOORYANI  
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BACKBOARD MOUNT IN IT ROOM 203.  
 SEE TN-401



TYP. AT SET LOCATIONS:

- MEETING ROOM 111
- KITCHEN/DINING ROOM 206
- DAYROOM 207
- EXERCISE ROOM 209
- DORM 1 ROOM 212
- DORM 2 ROOM 213
- DORM 1 ROOM 214



**CATV SYSTEM DISTRIBUTION SINGLE LINE DIAGRAM**

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| NO. | DESCRIPTION       | DATE       |
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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

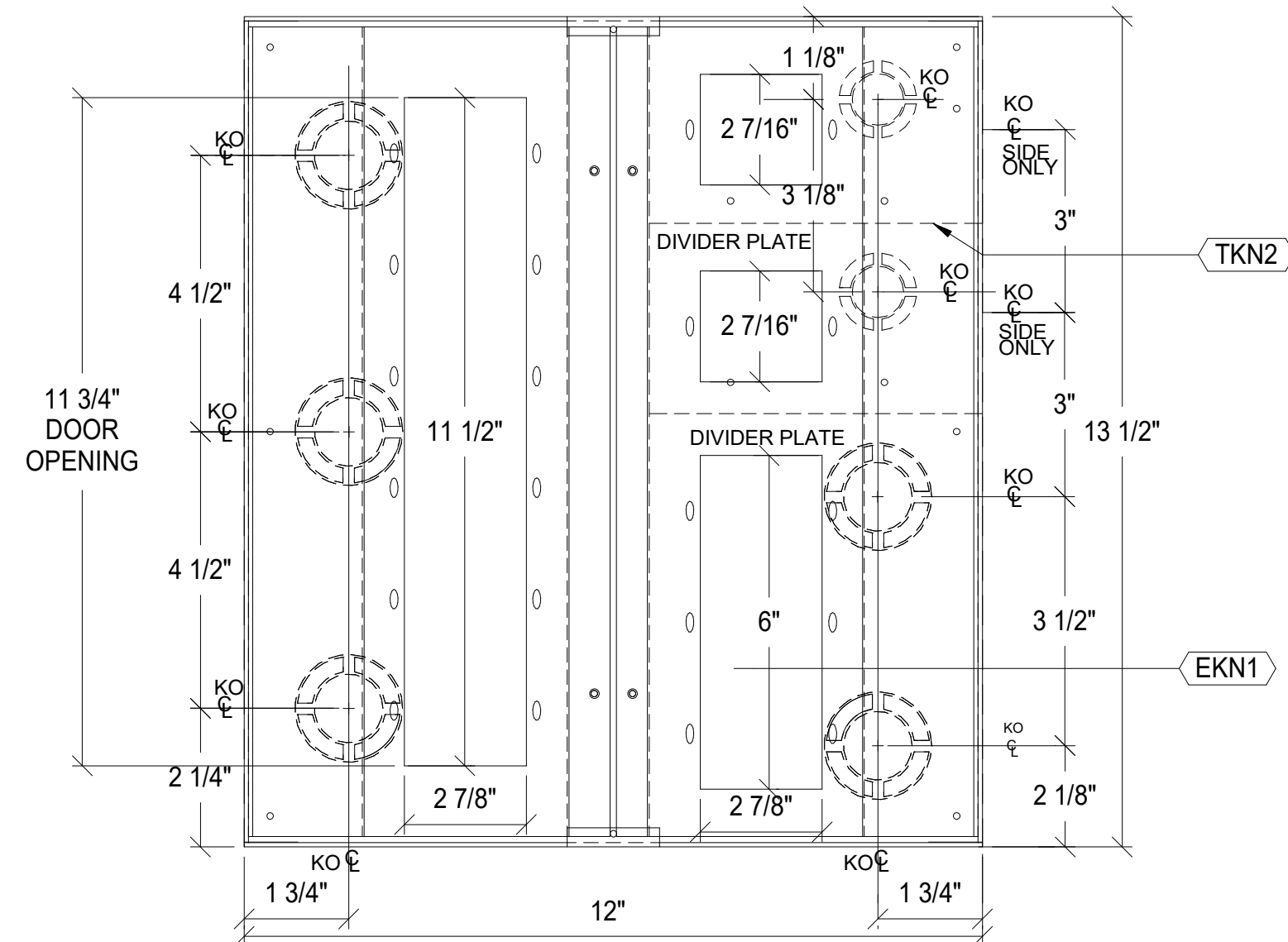
DESCRIPTION  
 CATV & DBS SYSTEMS DISTRIBUTION SINGLE  
 LINE DIAGRAMS

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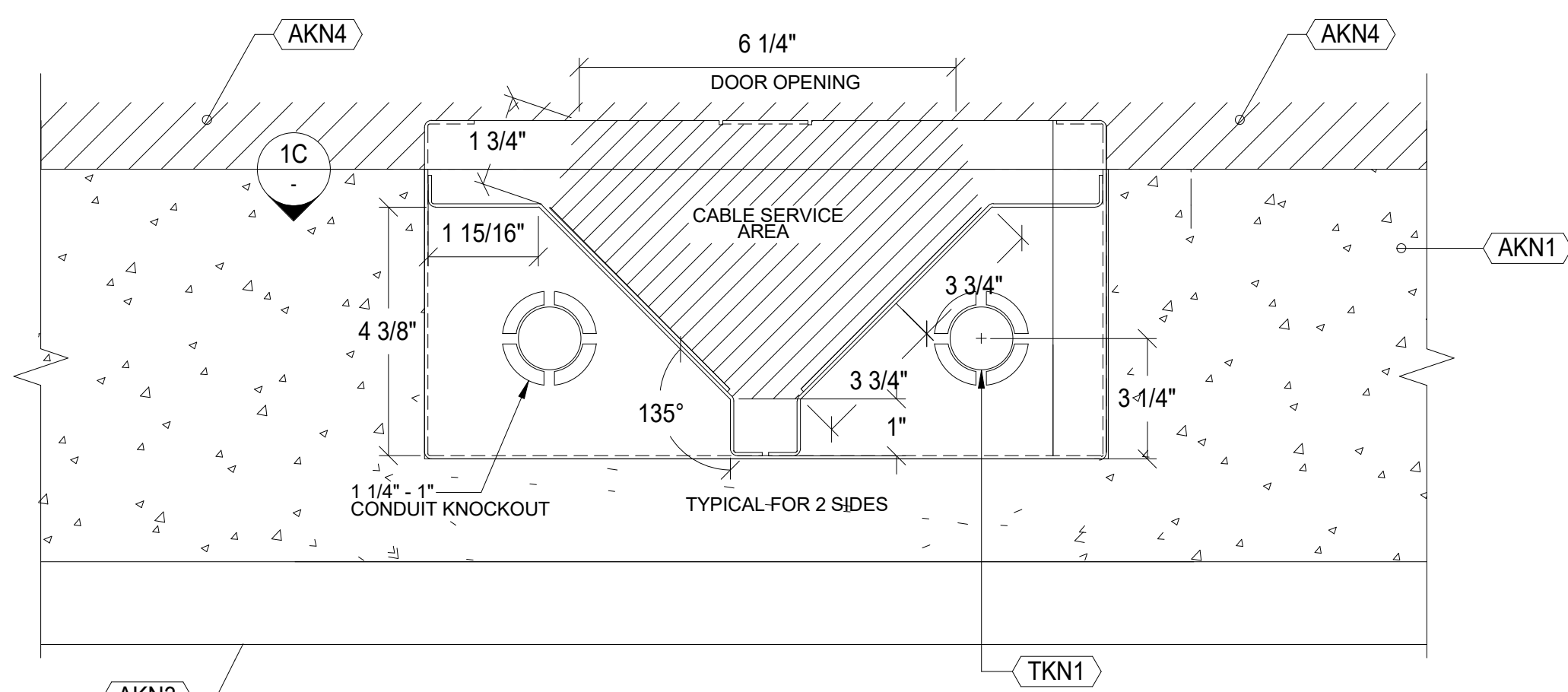




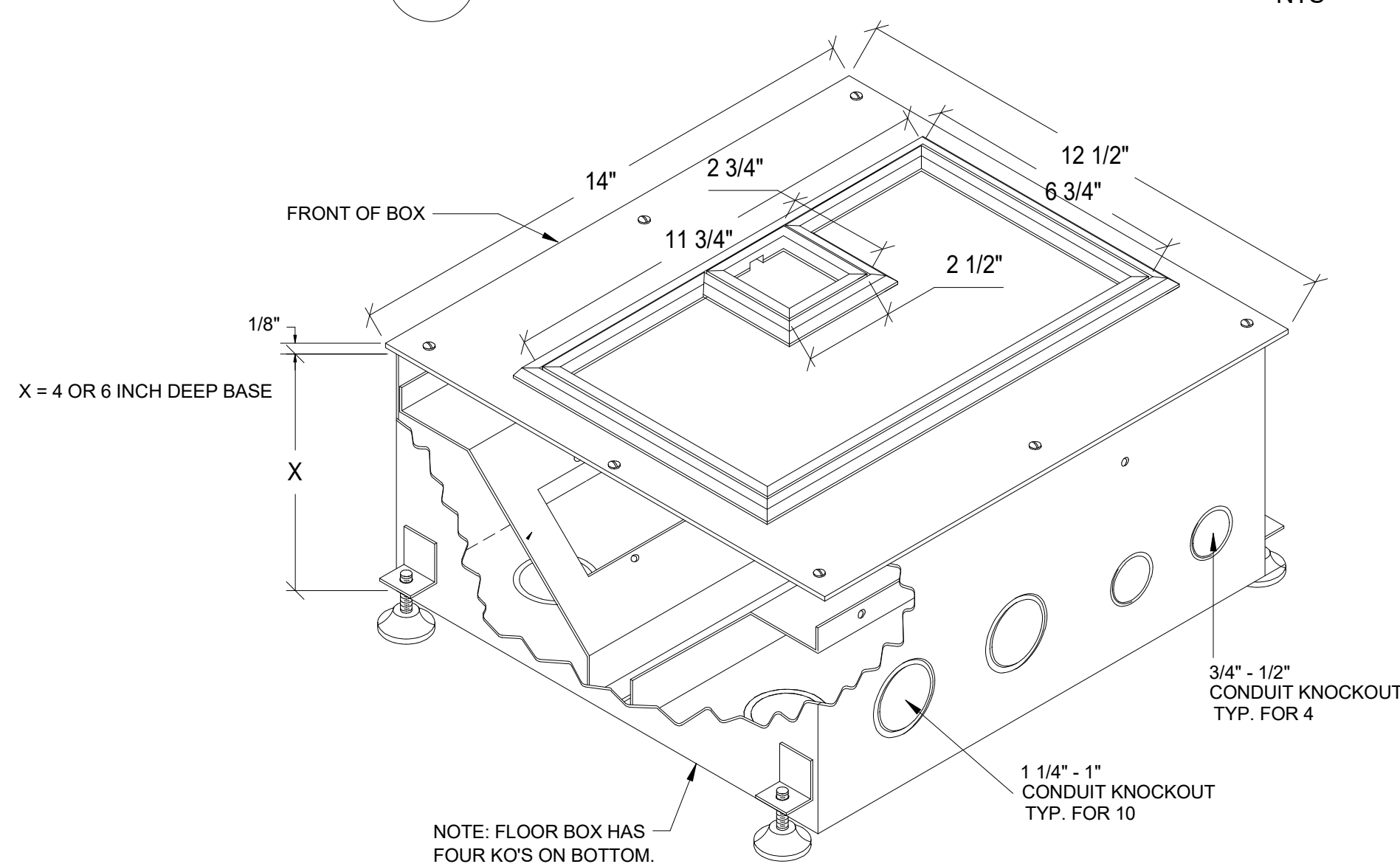
KO CENTER DIMENSIONS ARE TYPICAL FOR SIDE AND BOTTOM UNLESS OTHERWISE NOTED



1C PLAN VIEW



1B SIDE VIEW



1A SIDE VIEW

### FC6 FLOOR BOX - SLAB ON GRADE CONDITION

1

NTS

### SHEET NOTES

1. CONTRACTOR TO CONTACT FLOOR BOX MANUFACTURER FOR INSTALLATION INSTRUCTIONS PRIOR TO ROUGH-IN.

### KEYNOTES

- AKN ARCHITECTURAL: DIVISIONS 3 THROUGH 14.
- AKN1 SLAB - SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- AKN2 NOT USED.
- AKN3 MOISTURE BARRIER - SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- AKN4 CARPET OR SCHEDULED FLOOR FINISH. SEE ARCHITECTURAL DRAWINGS - EXTEND OVER FLOOR BOX INTO INSERTS.
- EKN ELECTRICAL: DIVISION 26.
- EKN1 QUAD ELECTRICAL POWER - SEE ELECTRICAL DRAWINGS.
- TKN COMMUNICATIONS SYSTEMS: CONFORM WITH DIVISION 27 AND 28.
- TKN1 BOX ACCEPTS 2-1/8" DEEP MIN. DEVICES.
- TKN2 CLASS 1/CLASS 2 BARRIER.

**Smith, Fause & McDonald Inc.**  
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*Ray Enriquez*  
 DATE 03/11/2021  
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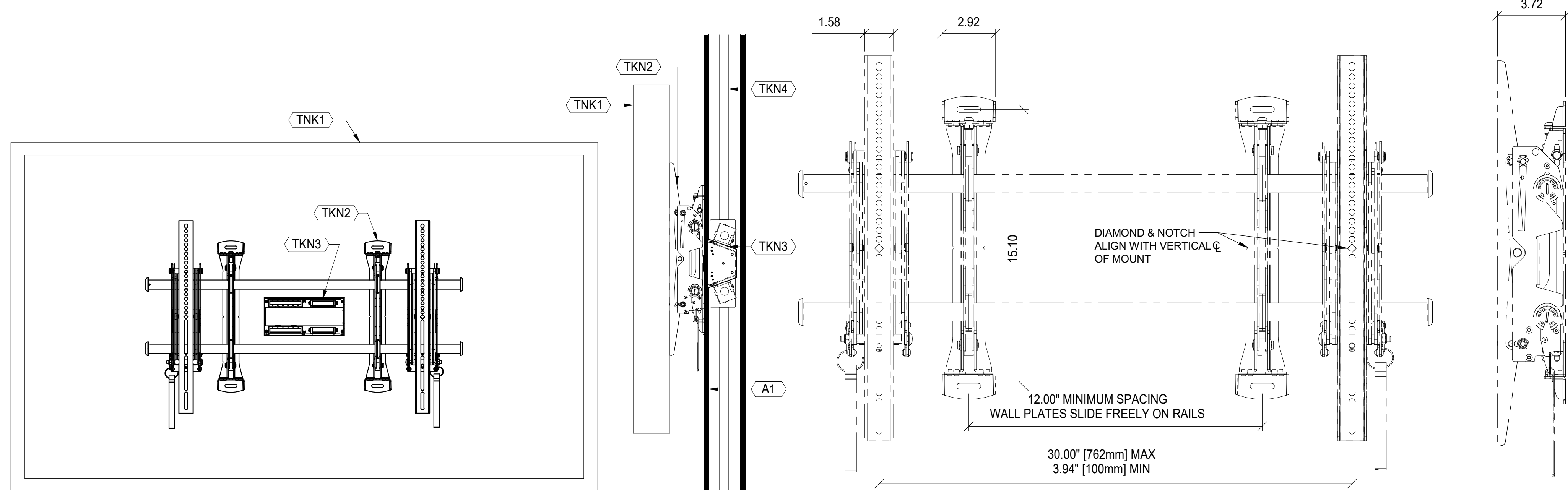
JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
DETAILS - F06 FLOOR BOX

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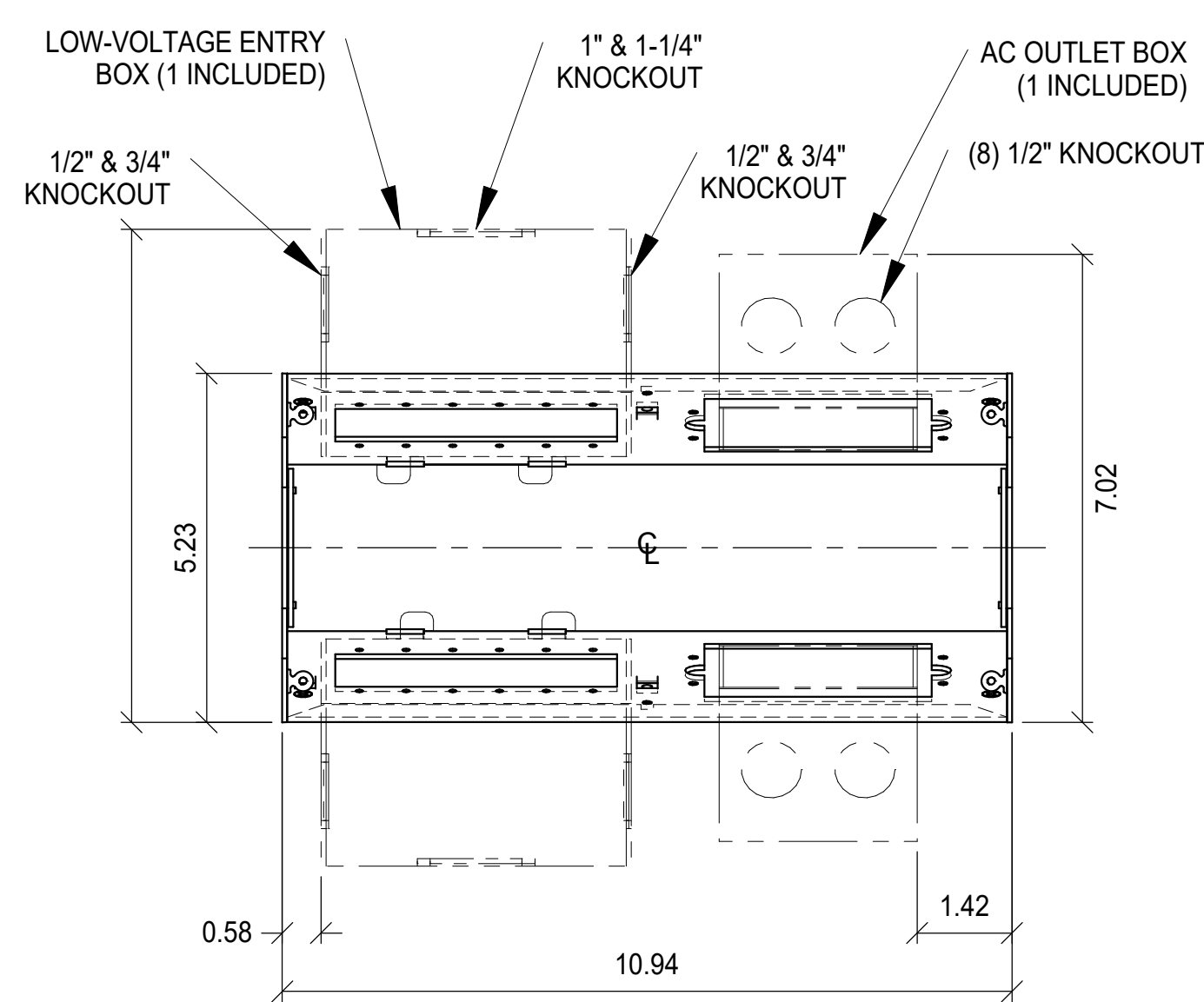
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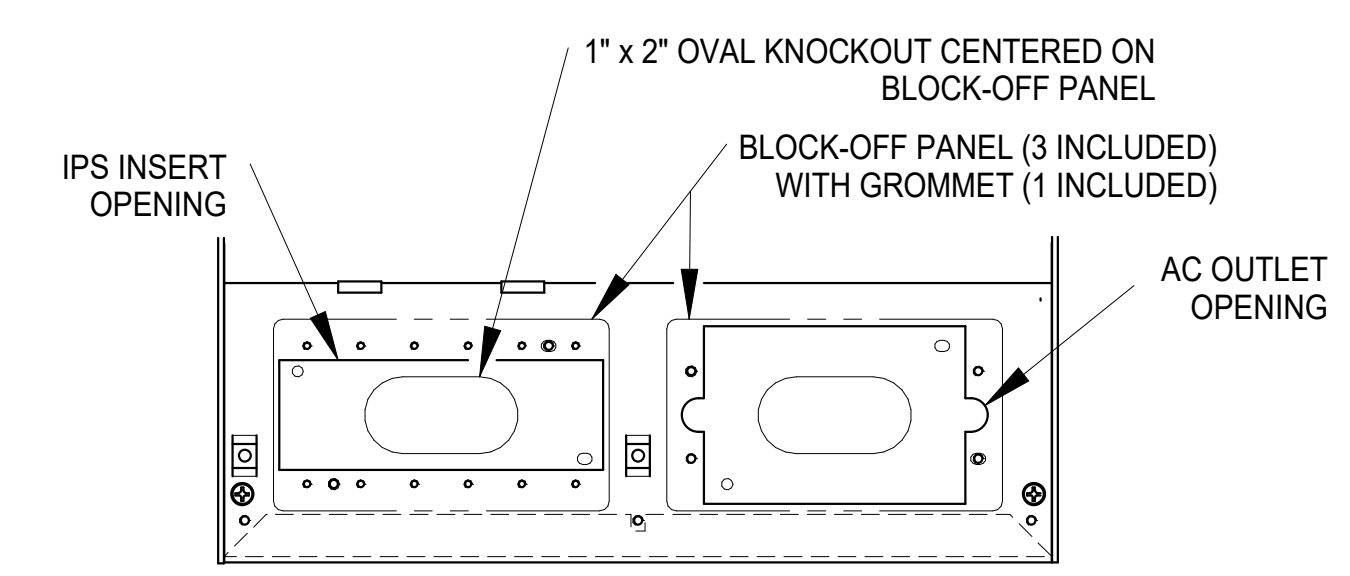


1A FRONT VIEW, 1B SIDE VIEW, 1C FRONT VIEW, 1D SIDE VIEW

1 FLAT PANEL MOUNT ASSEMBLY NTS



2A FRONT VIEW



2B TOP VIEW

2 FLAT PANEL WALL BOX - FPWB NTS

KEYNOTES

|      |  |
|------|--|
| A    | ARCHITECTURAL: COMPLY WITH DIVISIONS 2-14.                 |
| A1   | WALL CTKNITY WITH MINIMUM 200 LB. BACKING.                 |
| TKN  | TELECOMMUNICATIONS SYSTEMS: COMPLY WITH DIVISION 27.       |
| TKN1 | FLAT PANEL DISPLAY/LCD - NET WEIGHT NOT TO EXCEED 135 LBS. |
| TKN2 | FLAT PANEL MOUNT - NET WEIGHT NOT TO EXCEED 40 LBS.        |
| TKN3 | FLAT PANEL WALL BOX, FPWB1, RECESSED FLUSH IN WALL.        |
| TKN4 | IN-WALL CONDUIT RACEWAY.                                   |

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 EXPIRES 12/31/2022

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JOB NO.  
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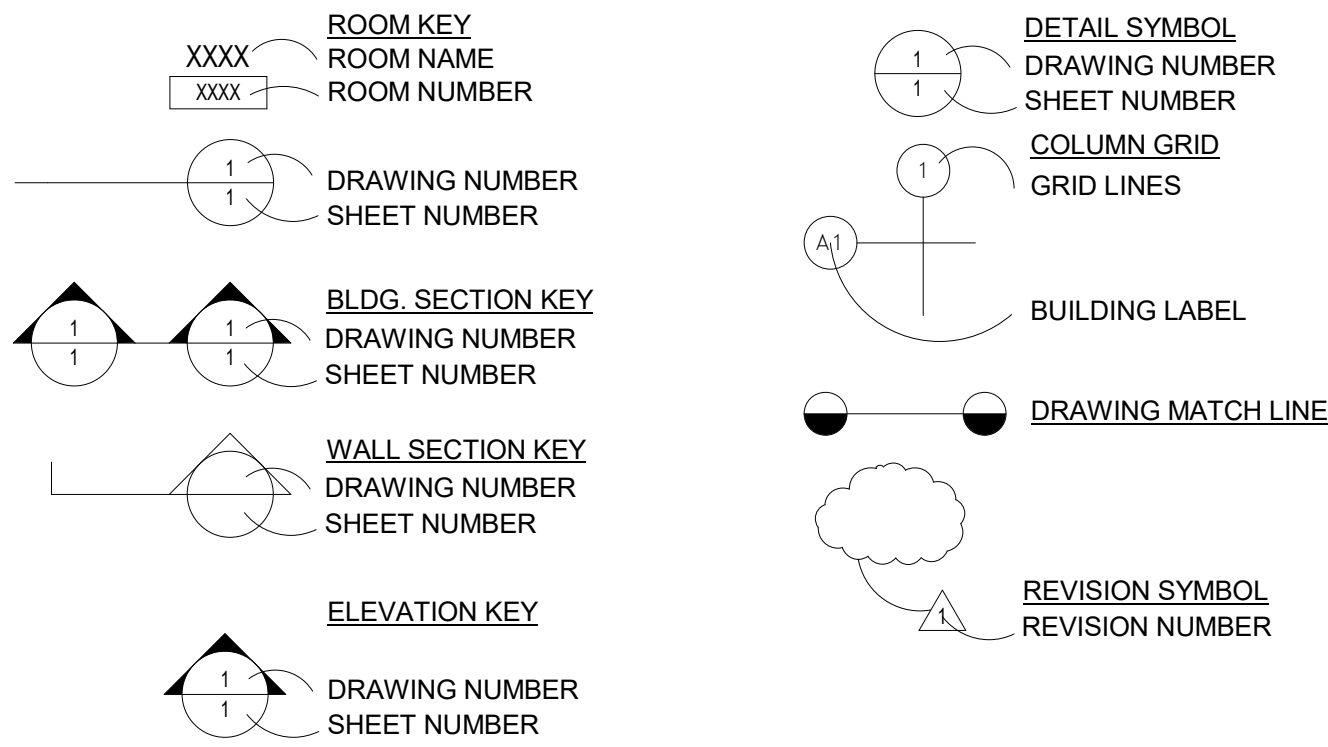
DESCRIPTION  
 DETAILS - FPWB & FLAT PANEL MOUNT

TA903

## COMMUNICATIONS SYSTEMS GENERAL NOTES

- REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.
- PROVIDE CONDUIT, BOXES AND FITTINGS SHOWN ON COMMUNICATIONS SYSTEMS (TN) SYSTEM DRAWINGS UNDER THE WORK OF SECTION 27 05 33 COMMUNICATIONS RACEWAYS, BOXES AND FITTINGS, UNLESS OTHERWISE INDICATED. PROVIDE 1 INCH TRADE SIZE MINIMUM. PROVIDE RACEWAY SIZE AS REQUIRED FOR A MAXIMUM OF 30 PERCENT WIRE FILL.
- PROVIDE FIRESTOPPING UNDER THE WORK OF SECTION 27 05 33 COMMUNICATIONS RACEWAYS, BOXES AND FITTINGS.
- LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS.
- DEVICE QUANTITIES SHOWN ON FLOOR PLANS AND REFLECTED CEILING PLANS TAKE PRECEDENCE OVER DEVICE QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS.
- QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON RACK ELEVATIONS.
- QUANTITIES SHOWN ON DEVICE SCHEDULES TAKE PRECEDENCE OVER QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS, FLOOR PLANS AND REFLECTED CEILING PLANS.
- LOCATIONS SHOWN ON LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON SMALL SCALE DRAWINGS.

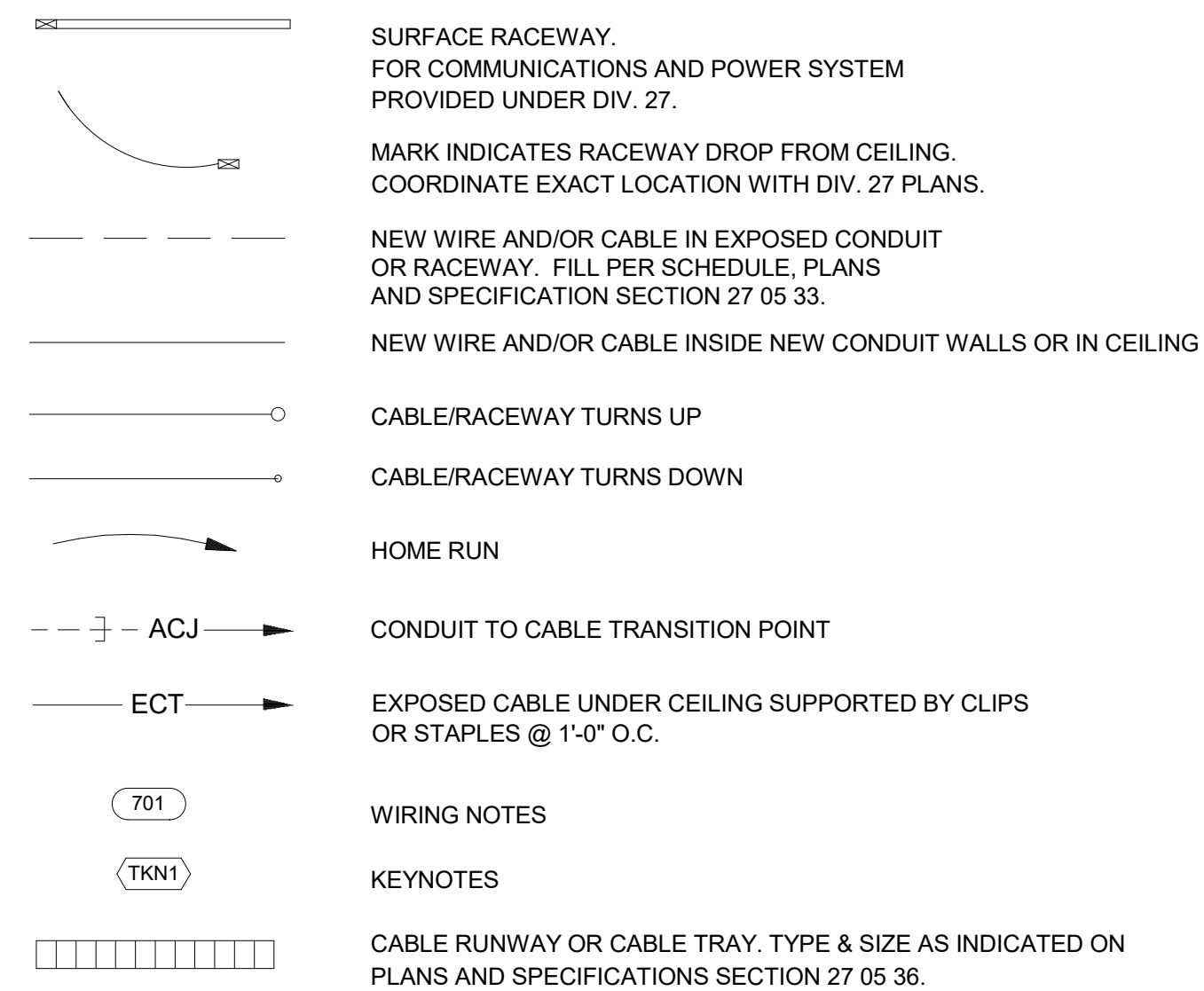
## GENERAL SYMBOLS



## MATERIAL & EQUIPMENT LEGEND

|         |  |              |   |
|---------|--|--------------|---|
| 1IDP    | 1" INNERDUCT, PLENUM RATED                               | UTP5e-4      | UNSHIELDED TWISTED PAIR, CAT. 5e  |
| 2IDP    | 2" INNERDUCT, PLENUM RATED                               | UTP5e-4P     | UNSHIELDED TWISTED PAIR, CAT. 5e PLENUM   |
| C5ePP   | CATEGORY 5e PATCH PANEL                                  | UTP5e-4OP    | UNSHIELDED TWISTED PAIR, CAT. 5e OUTSIDE PLANT  |
| C6PP    | CATEGORY 6 PATCH PANEL                                   | UTP6-4       | UNSHIELDED TWISTED PAIR, CAT. 6   |
| FOH-P   | FIBER OPTIC CABLE HYBRID, PLENUM RATED                   | UTP6-4P      | UNSHIELDED TWISTED PAIR, CAT. 6 PLENUM  |
| FOH-OPR | FIBER OPTIC CABLE HYBRID, OUTSIDE PLANT RISER RATED      | UTP6-4OP     | UNSHIELDED TWISTED PAIR, CAT. 6 OUTSIDE PLANT   |
| FOM-OPR | FIBER OPTIC CABLE, MULTI MODE OUTSIDE PLANT RISER RATED  | 110TBXX      | 110 TERMINAL BLOCK, CAT.5, XX-NO OF PAIRS   |
| FOS-OPR | FIBER OPTIC CABLE, SINGLE MODE OUTSIDE PLANT RISER RATED | 110PWTBXX    | 110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR, XX- NO OF PAIRS   |
| FPP     | FIBER PATCH PANEL  | PWC3PP       | PRE-WIRED, 50 PIN CONNECTOR (REAR) & RJ45 (FRONT) CAT.3 PATCH PANEL   |
| FSC     | FIBER SPLICE CLOSURE                                     | TB15         | TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.  |
| FSP     | FIBER SPLICE PANEL                                       |              |   |
| FTB     | FIBER TERMINAL BOX                                       |              |   |
| IDF     | INTERMEDIATE DISTRIBUTION FACILITY                       | <b>NOTE:</b> | SEE SPECIFICATION SECTIONS FOR REFERENCE DESCRIPTIONS AND REQUIREMENTS. FOR OTHER MATERIAL AND EQUIPMENT TYPES REFER TO SPECIFICATIONS. |
| MDF     | MAIN DISTRIBUTION FACILITY.                              |              |   |
| MM      | MULTI MODE OPTICAL FIBER                                 |              |   |
| MMP     | MULTIMEDIA PLATE   |              |   |
| MPOE    | MINIMUM POINT OF ENTRY                                   |              |   |
| OSP     | OUTSIDE PLANT  |              |   |
| SM      | SINGLE MODE OPTICAL FIBER                                |              |   |
| T.C.    | TELECOMMUNICATIONS CLOSET                                |              |   |
| T-OPD   | TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY                  |              |   |

## LEGEND



## JUNCTION BOX SCHEDULE

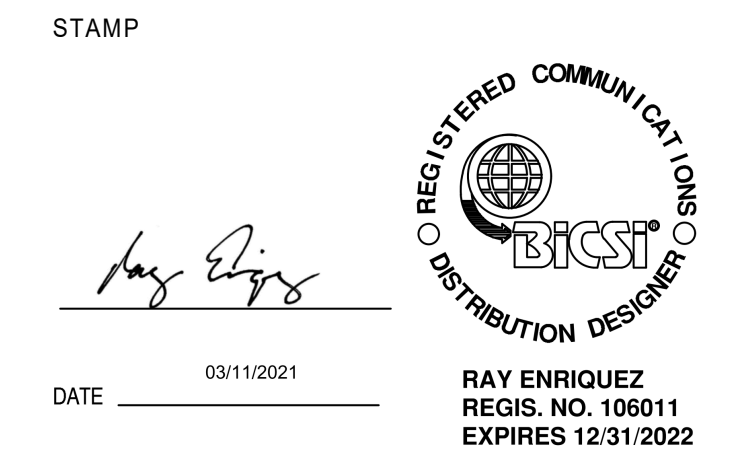
| SYMBOL | H (INCHES) | W (INCHES) | D (INCHES) |
|--------|------------|------------|------------|
| J1     | 6          | 6          | 4          |
| J2     | 8          | 8          | 4          |
| J3     | 12         | 12         | 4          |
| J4     | 12         | 12         | 6          |
| J5     | 12         | 12         | 8          |
| J6     | 16         | 12         | 8          |
| J7     | 18         | 18         | 6          |
| J8     | 20         | 16         | 6          |
| J9     | 20         | 16         | 8          |
| J10    | 20         | 20         | 6          |
| J11    | 20         | 20         | 8          |
| J12    | 24         | 20         | 6          |
| J13    | 24         | 20         | 8          |
| J14    | 24         | 24         | 8          |
| J15    | 30         | 24         | 8          |
| J16    | 30         | 30         | 8          |
| J17    | 36         | 30         | 8          |
| J18    | 36         | 36         | 8          |
| J19    | 48         | 24         | 6          |
| J20    | 48         | 36         | 6          |
| J21    | 48         | 48         | 6          |
| J22    | 8          | 8          | 8          |
| J23    | 10         | 10         | 8          |
| J24    | 12         | 12         | 8          |
| J25    | 16         | 12         | 8          |
| J26    | 18         | 12         | 8          |
| J28    | 18         | 18         | 8          |
| J29    | 24         | 12         | 8          |
| J30    | 24         | 18         | 8          |
| J31    | 24         | 20         | 8          |
| J32    | 24         | 24         | 8          |
| J33    | 30         | 24         | 8          |
| J34    | 30         | 30         | 8          |
| J35    | 36         | 24         | 8          |
| J36    | 36         | 30         | 8          |
| J37    | 36         | 36         | 8          |
| J38    | 12         | 12         | 10         |
| J39    | 18         | 12         | 10         |
| J40    | 18         | 18         | 10         |
| J41    | 24         | 12         | 10         |
| J42    | 24         | 18         | 10         |
| J43    | 24         | 24         | 10         |
| J44    | 30         | 24         | 10         |
| J45    | 30         | 30         | 10         |
| J46    | 36         | 24         | 10         |
| J47    | 36         | 36         | 10         |
| J48    | 12         | 12         | 12         |
| J49    | 18         | 18         | 12         |
| J50    | 24         | 12         | 12         |
| J51    | 24         | 18         | 12         |
| J52    | 24         | 24         | 12         |
| J53    | 30         | 24         | 12         |
| J54    | 30         | 30         | 12         |
| J55    | 36         | 24         | 12         |
| J56    | 48         | 48         | 12         |
| J57    | 30         | 30         | 16         |
| J58    | 48         | 48         | 16         |
| J59    | 48         | 48         | 16         |

**SUFFIX:**  
NONE - NEMA 1  
A - NEMA 12  
B - NEMA 3R  
C - NEMA 4  
D - NEMA 4X

**NOTE:**  
ALL JUNCTION BOXES TO BE HINGED TYPE, PROVIDED WITHOUT PRE-PUNCHED KNOCKOUTS. PENETRATIONS IN JUNCTION BOXES SHALL BE CUT OR PUNCHED AS REQUIRED FOR INSTALLATION. PAINT ALL INTERIOR BOXES TO MATCH WALL FINISH. COORDINATE FINISH WITH ARCH. PLANS.

## ABBREVIATIONS

|          |  |
|----------|--|
| 1SR-1    | SINGLE CHAMBER SURFACE RACEWAY                       |
| 3SR-2.5  | THREE CHAMBER SURFACE RACEWAY                        |
| A.D.A.   | AMERICANS WITH DISABILITIES ACT                      |
| ADF      | AREA DISTRIBUTION FACILITY                           |
| A.F.C.   | ABOVE FINISHED CEILING                               |
| A.F.F.   | ABOVE FINISHED FLOOR                                 |
| ALT      | ALTERNATE  |
| A.M.F.F. | ABOVE MEZZANINE FINISHED FLOOR                       |
| BDF      | BUILDING DISTRIBUTION FACILITY                       |
| B.F.C.   | BELOW FINISHED CEILING                               |
| BLDG.    | BUILDING   |
| B.O.H.   | BACK OF HOUSE  |
| C.       | CONDUIT  |
| CAT.     | CATEGORY   |
| CBC      | CALIFORNIA BUILDING CODE                             |
| CEC      | CALIFORNIA ELECTRICAL CODE                           |
| COMM.    | COMMUNICATIONS                                       |
| C.L.     | CENTERLINE   |
| C.O.     | CONDUIT ONLY   |
| CONT.    | CONTINUATION   |
| CS       | COMMUNICATIONS SYSTEM                                |
| (D)      | DEMOLISH EXISTING                                    |
| DED      | DEDUCTIVE  |
| ø, DIA.  | DIAMETER   |
| DIV      | DIVISION   |
| (E)      | EXISTING   |
| EA.      | EACH   |
| EIA      | ELECTRONIC INDUSTRIES ASSOCIATION                    |
| ELEV.    | ELEVATION  |
| E.O.L.   | END OF LINE  |
| EQPT.    | EQUIPMENT  |
| FIN      | FINISHED   |
| FUT      | FUTURE   |
| H.R.     | HOME RUN   |
| HT.      | HEIGHT   |
| J, JBOX  | JUNCTION BOX   |
| LAN      | LOCAL AREA NETWORK                                   |
| MATV     | MASTER ANTENNA TELEVISION                            |
| MAX.     | MAXIMUM  |
| MIN.     | MINIMUM  |
| MOD.     | MODULAR  |
| MON.     | MONUMENT   |
| (N)      | NEW  |
| NEC      | NATIONAL ELECTRICAL CODE                             |
| N.I.C.   | NOT IN CONTRACT                                      |
| NTS      | NOT TO SCALE   |
| O.C.     | ON CENTER  |
| O.D.     | OUTSIDE DIAMETER                                     |
| O.F.E.   | OWNER FURNISHED EQUIPMENT                            |
| OPP.     | OPPOSITE   |
| PNL.     | PANEL  |
| PROJ.    | PROJECT  |
| P.S.R.H. | PROJECT STANDARD RECEPTACLE HEIGHT +18" AFF. U.O.N.  |
| P.S.S.H. | PROJECT STANDARD SWITCH HEIGHT +48" AFF TO ♂, U.O.N. |
| RE.      | REFER TO   |
| REF.     | REFERENCE  |
| SIM.     | SIMILAR  |
| SM       | SINGLE MODE OPTICAL FIBER                            |
| SN       | SHEET NOTE   |
| SP       | SHELDIED PAIR - SEE SPECIFICATIONS                   |
| SPEC     | SPECIFICATION  |
| S.R.     | SURFACE RACEWAY                                      |
| STD      | STANDARD   |
| STP      | SHELDIED TWISTED PAIR                                |
| T.C.     | TELECOMMUNICATIONS CLOSET                            |
| TEL      | TELEPHONE  |
| TELCOM   | TELECOMMUNICATIONS                                   |
| TIA      | TELECOMMUNICATIONS INDUSTRY ASSOCIATION              |
| T-OPD    | TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY              |
| TP       | TWISTED PAIR   |
| TYP.     | TYPICAL  |
| U.O.N.   | UNLESS OTHERWISE NOTED                               |
| W/       | WITH   |
| WP       | WEATHERPROOF   |



PROJECT ADDRESS  
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KENSINGTON, CA 94707**




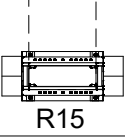

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CONTACT: HENRY TOORYANI  
T: (415) 826-9626

| NO. | DESCRIPTION             | DATE       |
|-----|-------------------------|------------|
|     | 100% DESIGN DEVELOPMENT | 12/17/2021 |
|     | ISSUED FOR PERMIT       | 04/01/2021 |
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JOB NO.  
0000 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
GENERAL NOTES, LEGEND, SYMBOLS,  
ABBREVIATIONS AND JBOX SCHEDULE

**TN001**

| SYMBOL  | DEVICE  | FUNCTION OR SERVICE | LOCATION  | WORK OF            | ROUGH-IN   | RACEWAY | ELEVATION              | CABLE FILL & HOMERUN DESTINATION, U.O.N. | FINISH   | WEIGHT, LB | DETAIL SHEET(S) |
|---|---|---------------------|---|--------------------|--|---------|------------------------|--|--|------------|-----------------|
|   | WALL SLEEVE/CONDUIT   | PATHWAY             | INDICATED   | 27 05 33           | N/A  | R5      |                        |  |  |            |                 |
|  | FLOOR BOX, CONCRETE SLAB, FOR AUDIO VISUAL.   | AUDIO VISUAL        | FLUSH IN FLOOR. COORDINATE EXACT LOCATION/DIMENSION WITH THE ARCHITECT. | 27 05 33           | FLOOR BOX FC6 WITH MANUFACTURERS "POUR PAN" TO PROTECT AT SLAB ON GRADE CONDITIONS.              | R4      | FLUSH IN FLOOR         | AS SCHEDULED                             | COORDINATE COVER TYPE WITH ARCHITECT. SUBMIT CUT-SHEETS. |            |                 |
|  | DATA AND VOICE DEVICE PLATE. DN1  | COMMUNICATIONS      | INDICATED   | 27 05 33, 27 15 00 | PROVIDE ONE (1) 5" SQUARE x 2.875" DEEP BOX WITH 1 GANG RING EQUAL TO RANDL INDUSTRIES 5 SQUARE. | R3      | +18" AFF TO CL, U.O.N. | AS SCHEDULED                             | WHITE  |            |                 |
|  | BROADBAND VIDEO DEVICE PLATE. DN2   | COMMUNICATIONS      | INDICATED   | 28 05 33, 27 15 00 | PROVIDE ONE (1) 5" SQUARE x 2.875" DEEP BOX WITH 1 GANG RING EQUAL TO RANDL INDUSTRIES 5 SQUARE. | R3      | INDICATED              | 1 TRIPLE SHIELD RG6 COAX                 |  |            |                 |
|  | FLOOR MOUNTED STATION CABLING/SWITCH RACK, 2 POST, 44 RU, SEISMIC RATED.                | COMMUNICATIONS      | FLOOR   | 27 11 16           |  |         | BOLT TO SLAB           |  | BLACK  | 250        |                 |
|  | FLOOR MOUNTED SERVER CABINET, 44 RU MIN, 30" WIDE MAX, 42" DEEP, 4 POST, SEISMIC RATED. | COMMUNICATIONS      | FLOOR   | 27 11 16           |  |         | BOLT TO SLAB.          |  | BLACK  | 500        |                 |

**NOTE NO.    DEVICE NOTES**

- DN1**    SUBSCRIPT INDICATES QUANTITY OF CATEGORY 6 CABLES PROVIDED AT WAO. EXAMPLE: 2D REPRESENTS 2 CAT6 CABLES AND JACKS TERMINATED AT THE INDICATED WAO AND SERVING TR.
- DN2**    SUBSCRIPT INDICATES QUANTITY OF COAX CABLES PROVIDED AT WAO. BROADBAND VIDEO CABLING IS RG-6. EXAMPLE: 1B IS 1 RG-6 TERMINATED AT THE INDICATED WAO AND SERVING TR.
- LR1**    LOCATION NOTES  
FLUSH IN FLOOR. COORDINATE EXACT LOCATION/DIMENSION WITH ARCHITECTURAL PLANS.

**RACEWAY NOTES**


- R1**    3/4" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.
- R2**    1" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.
- R3**    1.25" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.
- R4**    FOR AV, (2) 1-1/4" C TO 4 GANG COMPARTMENT STUBBED TO ACCESSIBLE CEILING. FOR TELECOM, (1) 1-1/4" TO 1 GANG COMPARTMENT AND HOMERUN THE CONDUIT UNDER THE SLAB DIRECTLY TO THE SERVING BDF OR IDF ROOM. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH-IN.
- R5**    UNLESS OTHERWISE SHOWN, PROVIDE (1) 4" EMT SLEEVE, WITH INSULATED THROAT BUSHING AT EACH END, STUBBED OUT 4 INCHES FROM FACE OF WALL, AT ELEVATION APPROXIMATELY 6 INCHES ABOVE ACCESSIBLE CEILING. INSTALL SLEEVE IN AN ACCESSIBLE LOCATION AS DEFINED IN CALIFORNIA ELECTRICAL CODE, ARTICLE 100 DEFINITIONS. PROVIDE FIRESTOPPING UNDER WORK OF SECTION 27 05 33. BOND TO GROUND. COMPLY WITH DIVISION 26 AND SECTION 27 05 26 GROUNDING.

ACCESSIBLE CEILING IS A T-BAR OR SIMILAR GRID BASED, PANELIZED REMOVABLE CEILING MEETING THE DEFINITION FOR ACCESSIBLE WIRING METHODS IN ARTICLE 100 OF THE CALIFORNIA ELECTRICAL CODE.



**Smith, Fause & McDonald Inc.**  
 351 8th Street, San Francisco, CA 94103  
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 www.sfmi.com info@sfmi.com

STAMP



DATE 03/11/2021    RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2022

PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**


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|-----|-------------------------|------------|
|     | 100% DESIGN DEVELOPMENT | 12/17/2021 |
|     | ISSUED FOR PERMIT       | 04/01/2021 |
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**JOB NO.**  
 0000    KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

**DESCRIPTION**  
 SYMBOL SCHEDULE

| KEYNOTES |   |
|----------|---|
| TKN1070  | PROVIDE 12"x12"x4"D NEMA BOX WITH HINGED COVER AND (1) 2" C. STUB CONDUIT UP TO THE ROOF. PROVIDE SERVICE ENTRANCE WEATHERHEAD FITTING ON TOP OF THE CONDUIT. |
| TKN1075  | MOUNT INSIDE THE FPWB. SEE TA202.   |

STAMP  
  
 DATE 03/11/2021  
 RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2022

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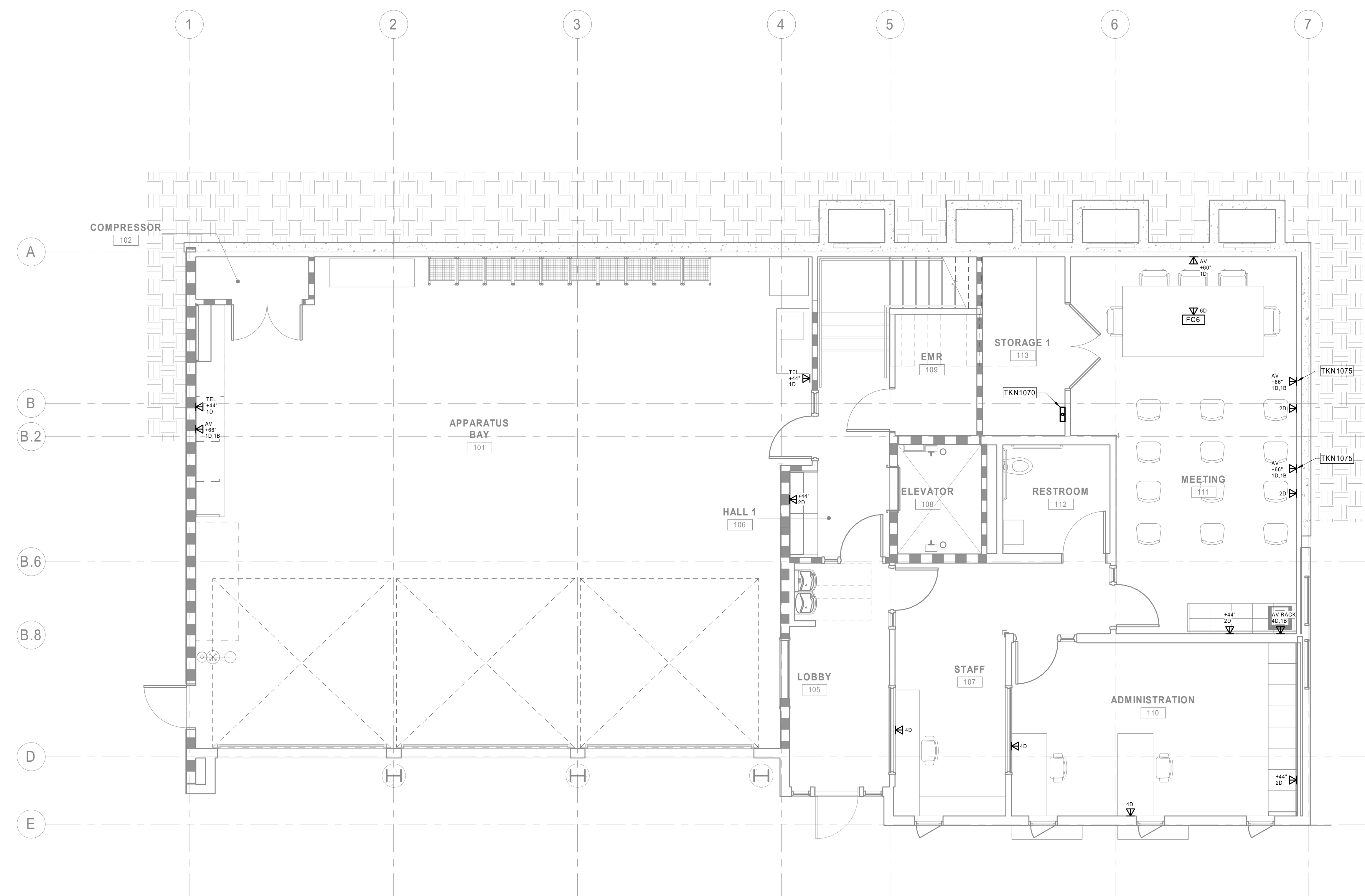
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| NO. | DESCRIPTION             | DATE       |
|-----|-------------------------|------------|
| 1   | 100% DESIGN DEVELOPMENT | 12/17/2021 |
| 2   | ISSUED FOR PERMIT       | 04/01/2021 |

JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 COMMUNICATIONS - GROUND FLOOR PLAN

 **TN202**



1 COMMUNICATIONS - GROUND FLOOR PLAN  
 1/4" = 1'-0"

STAMP

*Ray Enriquez*

DATE 03/11/2021

RAY ENRIQUEZ  
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T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

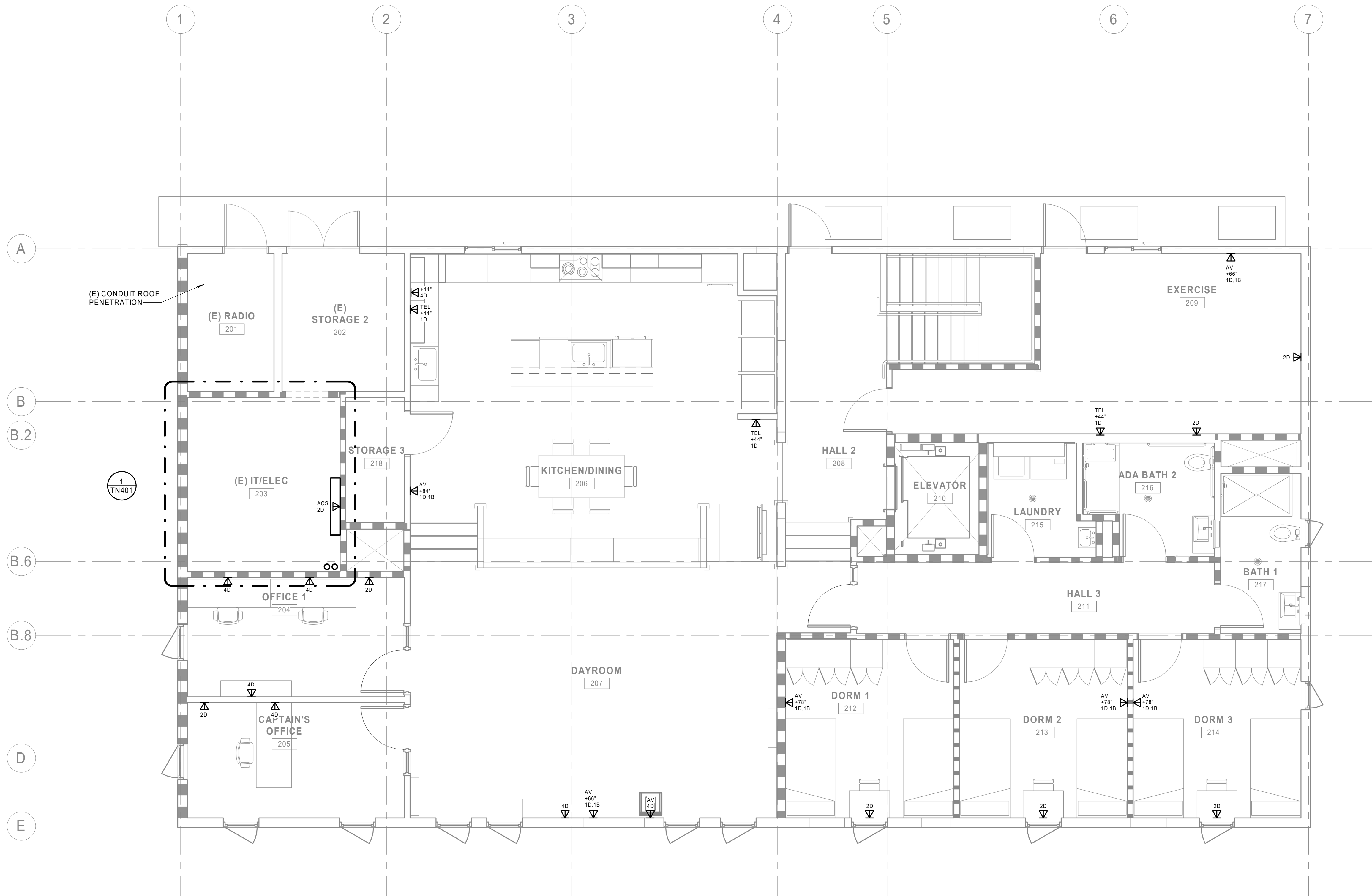
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626

| NO.  | DESCRIPTION        | DATE       |
|------|--------------------|------------|
| 100% | DESIGN DEVELOPMENT | 12/17/2021 |
|      | ISSUED FOR PERMIT  | 04/01/2021 |
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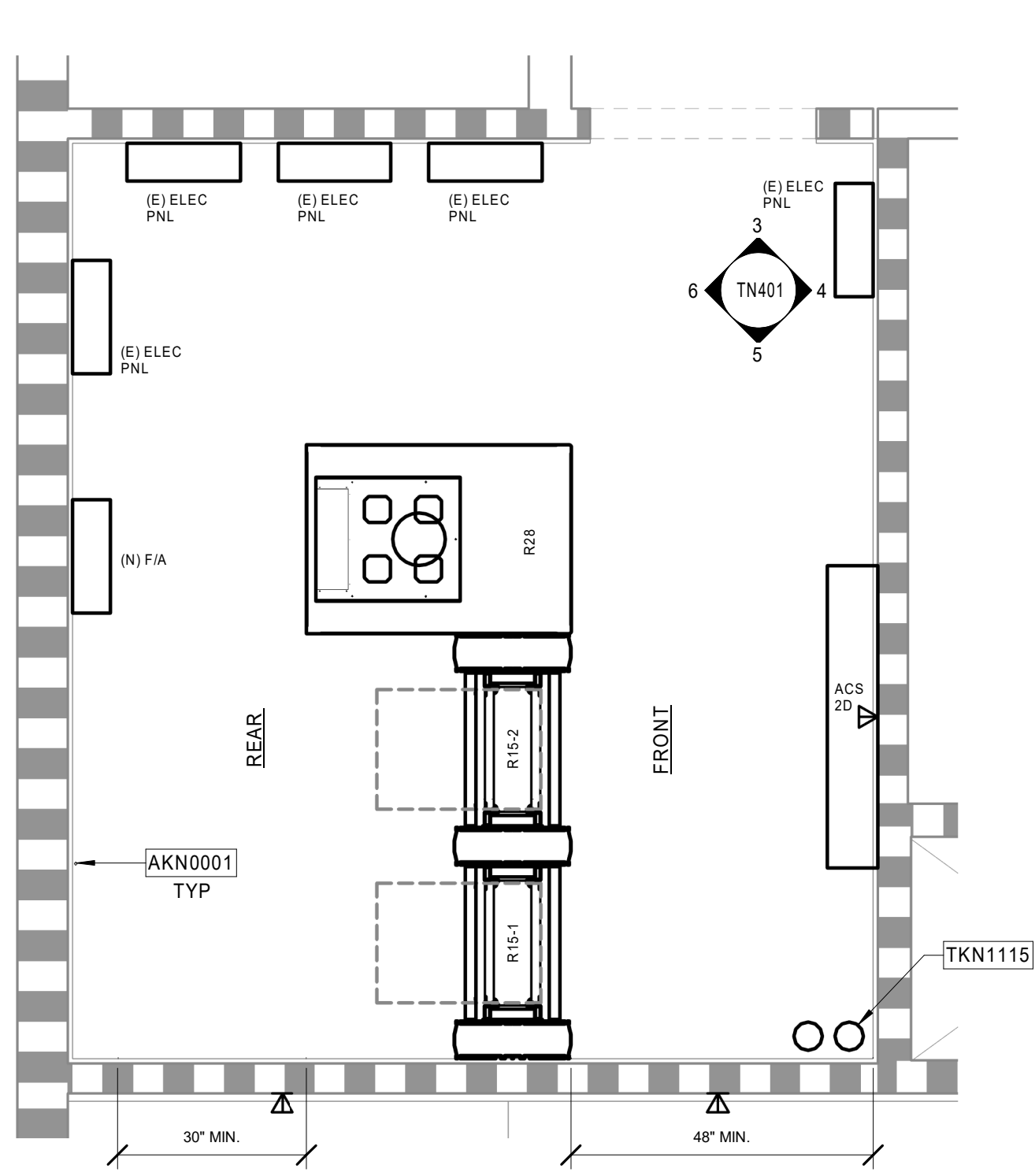
JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION COMMUNICATIONS - SECOND FLOOR PLAN

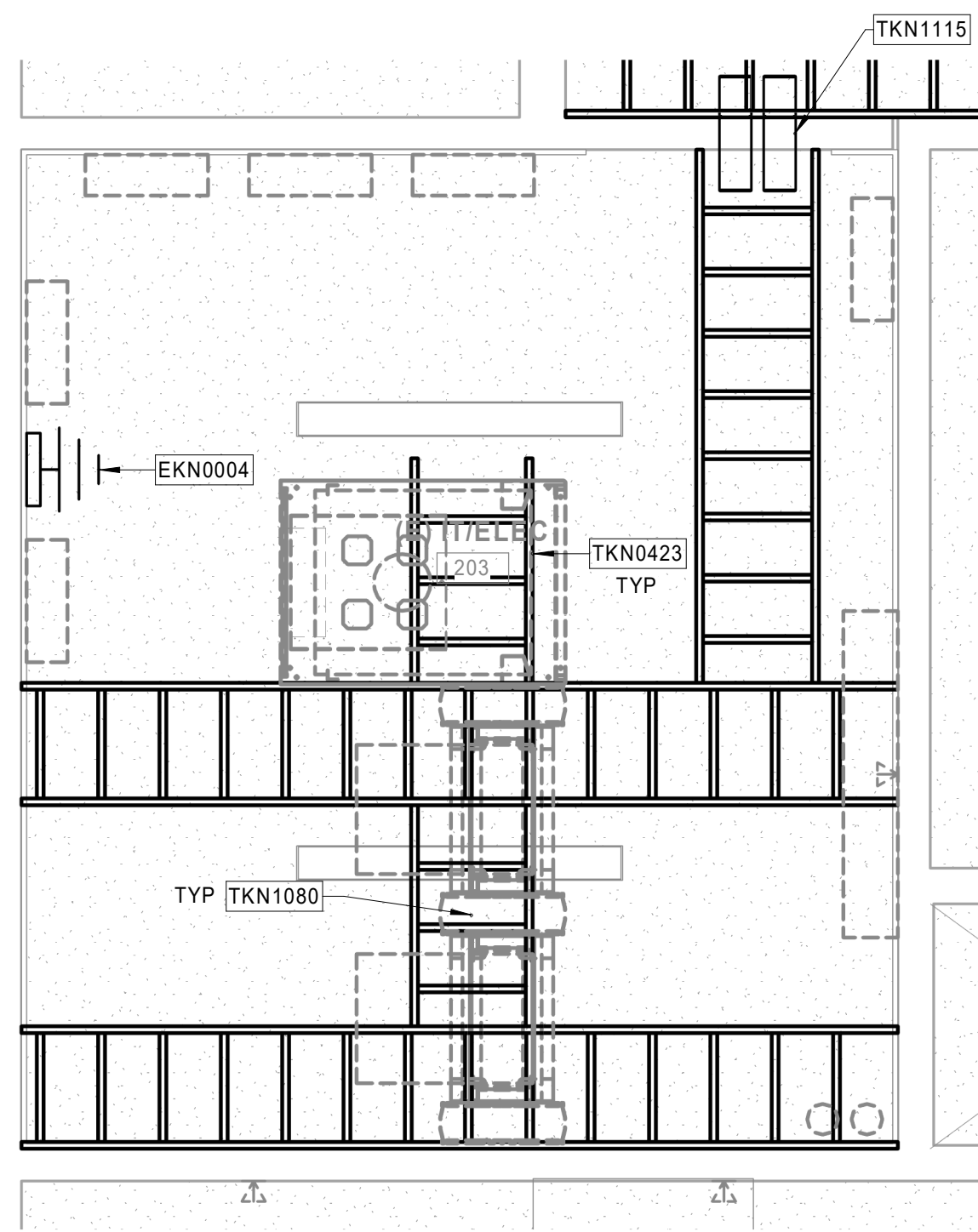
**TN204**



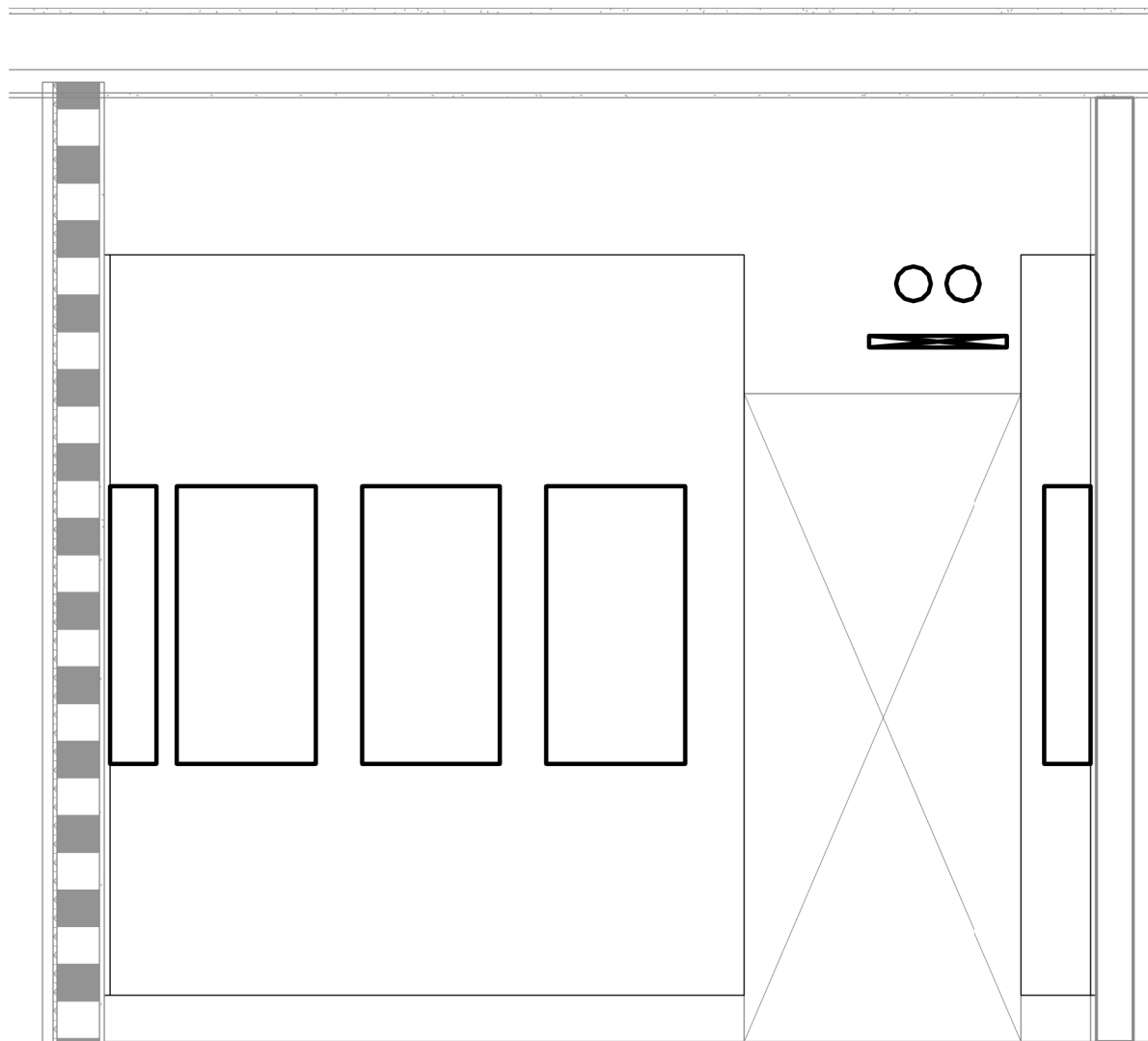
1 COMMUNICATIONS - SECOND FLOOR PLAN  
1/4" = 1'-0"



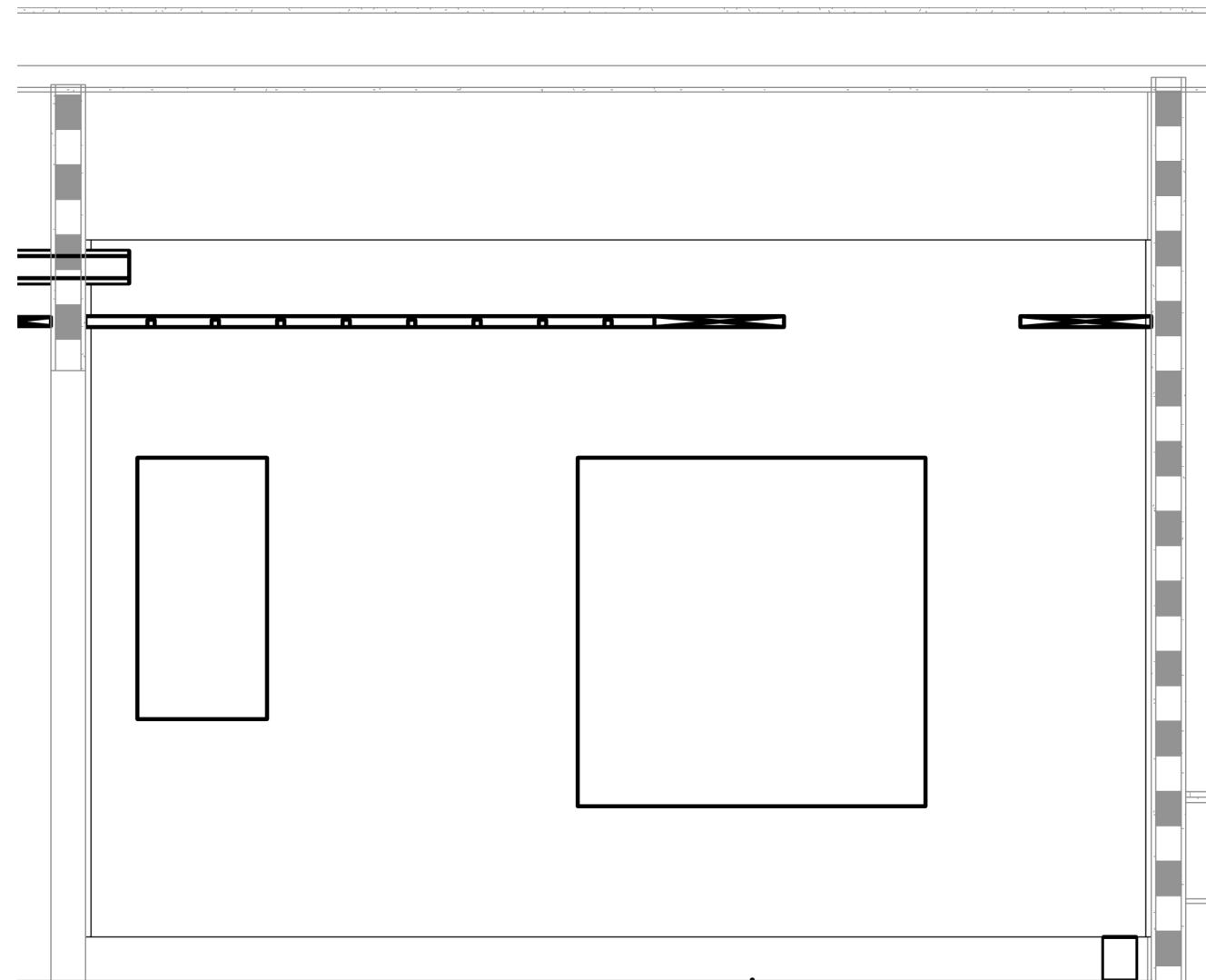
① (E) IT/ELE 203 - ENLARGED PLAN  
1/2" = 1'-0"



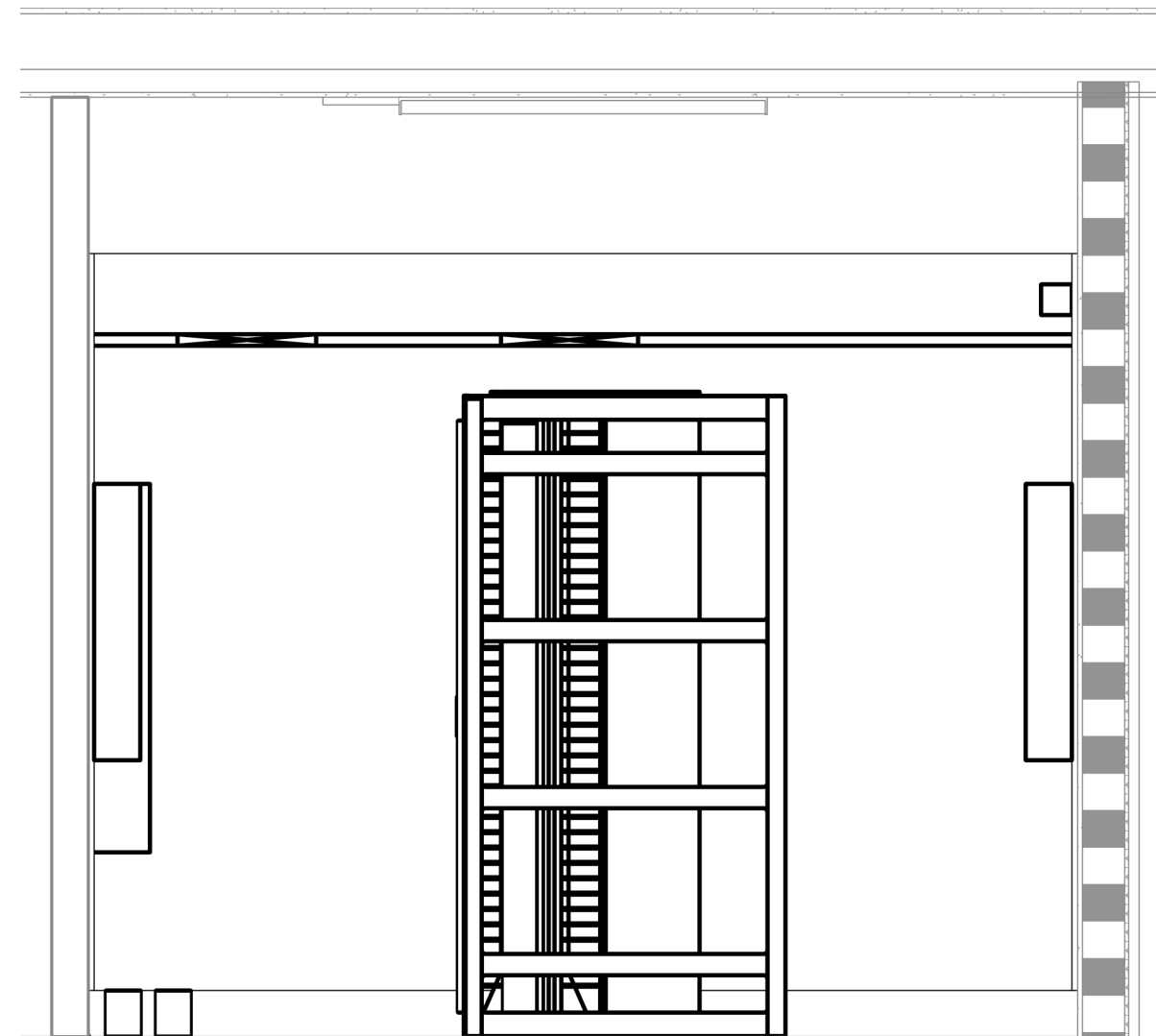
② (E) IT/ELE 203 - ENLARGED RCP  
1/2" = 1'-0"



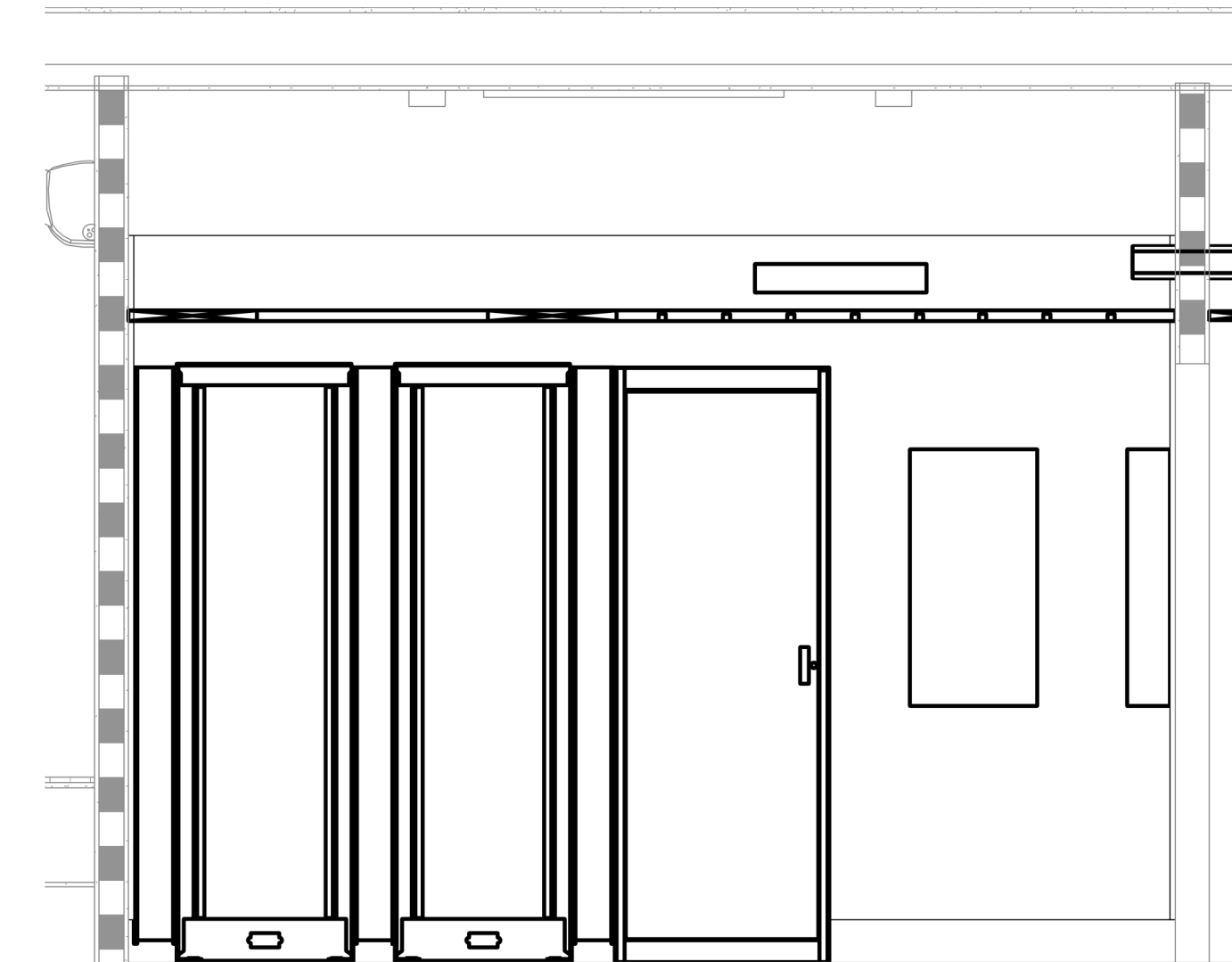
③ (E) IT/ELE 203 - NORTH ELEVATION  
1/2" = 1'-0"



④ (E) IT/ELE 203 - EAST ELEVATION  
1/2" = 1'-0"



⑤ (E) IT/ELE 203 - SOUTH ELEVATION  
1/2" = 1'-0"



⑥ (E) IT/ELE 203 - WEST ELEVATION  
1/2" = 1'-0"

| KEYNOTES |   |
|----------|---|
| AKN0001  | PROVIDE 3/4" THICK, FIRE-RESISTANT TREATED PLYWOOD BACKBOARD FROM 6" A.F.F. TO 8'-6" A.F.F., IN THE PERIMETER OR 4 SIDES OF THE ROOM. PAINT, COLOR WHITE. TRIM TO FIT. LEAVE ONE FIRE RATING STAMP PER SHEET OF PLYWOOD UNPAINTED. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. |
| EKN0004  | PROVIDE GROUNDING BUS BAR EQUIVALENT TO B-LINE SB-477-K. MOUNT ON THE BACKBOARD AT APPROX +84" A.F.F., BELOW THE CABLE TRAY   |
| TKN0423  | PROVIDE 18" WIDE CABLE RUNWAY (CR-18) SUPPORTED FROM CEILING/STRUCTURE. MOUNT BOTTOM @ 7'-6" A.F.F.   |
| TKN1080  | PROVIDE WATERFALL DROPOUTS FOR EACH RACK, TYP.  |
| TKN1115  | PROVIDE (2) 4" C. FIRESTOP CONDUIT PENETRATIONS.  |

**Smith, Fause & McDonald Inc.**  
 351 8th Street, San Francisco, CA 94103  
 (415) 255-9140 Fax (415) 255-9180  
 www.sfmi.com info@sfmi.com

STAMP  
*Ray Enriquez*  
 DATE 03/11/2021  
 REGISTERED COMMUNICATIONS DESIGNER  
 RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2022

PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA. 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
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ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

| NO. | DESCRIPTION       | DATE       |
|-----|-------------------|------------|
| 1   | ISSUED FOR PERMIT | 04/01/2021 |
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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
 (E) IT/ELE 203 - ENLARGED PLAN, RCP & ELEVATIONS

North Arrow  
**TN401**



| KEYNOTES |   |
|----------|---|
| TKN0009  | 4" C.   |
| TKN1110  | PROVIDE (2) 4" C. MOUNTED ON THE UNDERSIDE OF THE HIGHER CEILING OF THE APPARATUS BAY. FIRESTOP CONDUIT PENETRATIONS. |
| TKN1115  | PROVIDE (2) 4" C. FIRESTOP CONDUIT PENETRATIONS.  |

STAMP

*Ray Enriquez*

DATE 03/11/2021

RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2022

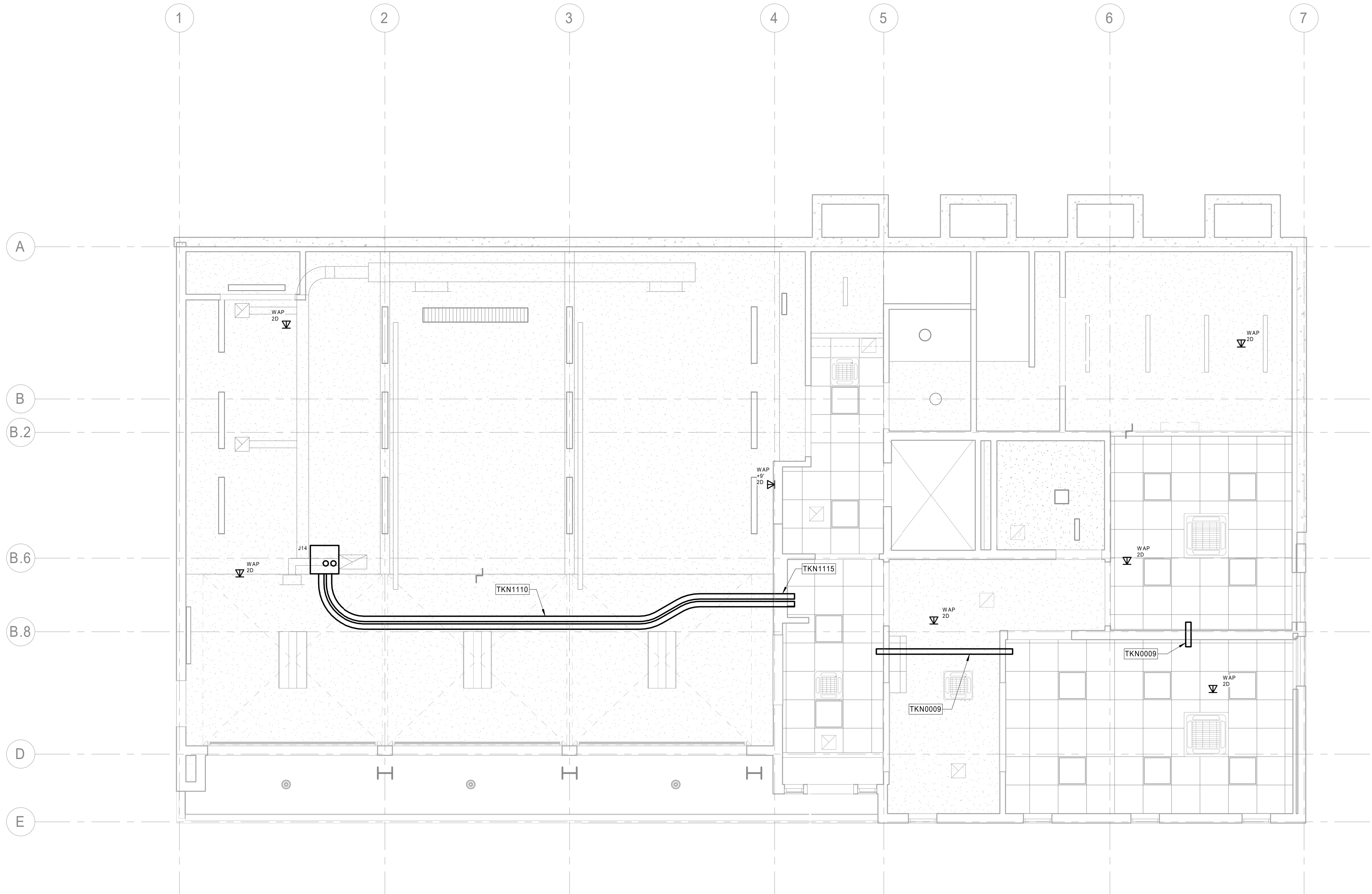
PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

- PROJECT TEAM
- CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064
- ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA. 94117  
 CONTACT: KAREN MAR  
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- STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
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- CIVIL: BKF ENGINEERS  
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 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200
- GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544
- MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390
- AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140
- ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
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| NO. | DESCRIPTION       | DATE       |
|-----|-------------------|------------|
|     | ISSUED FOR PERMIT | 04/01/2021 |

JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 COMMUNICATIONS - FIRST FLOOR RCP



① COMMUNICATIONS - FIRST FLOOR RCP  
 1/4" = 1'-0"



STAMP

DATE: 03/11/2021  
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|     | 100% DESIGN DEVELOPMENT | 12/17/2021 |
|     | ISSUED FOR PERMIT       | 04/01/2021 |
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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 DETAILS - DEVICES

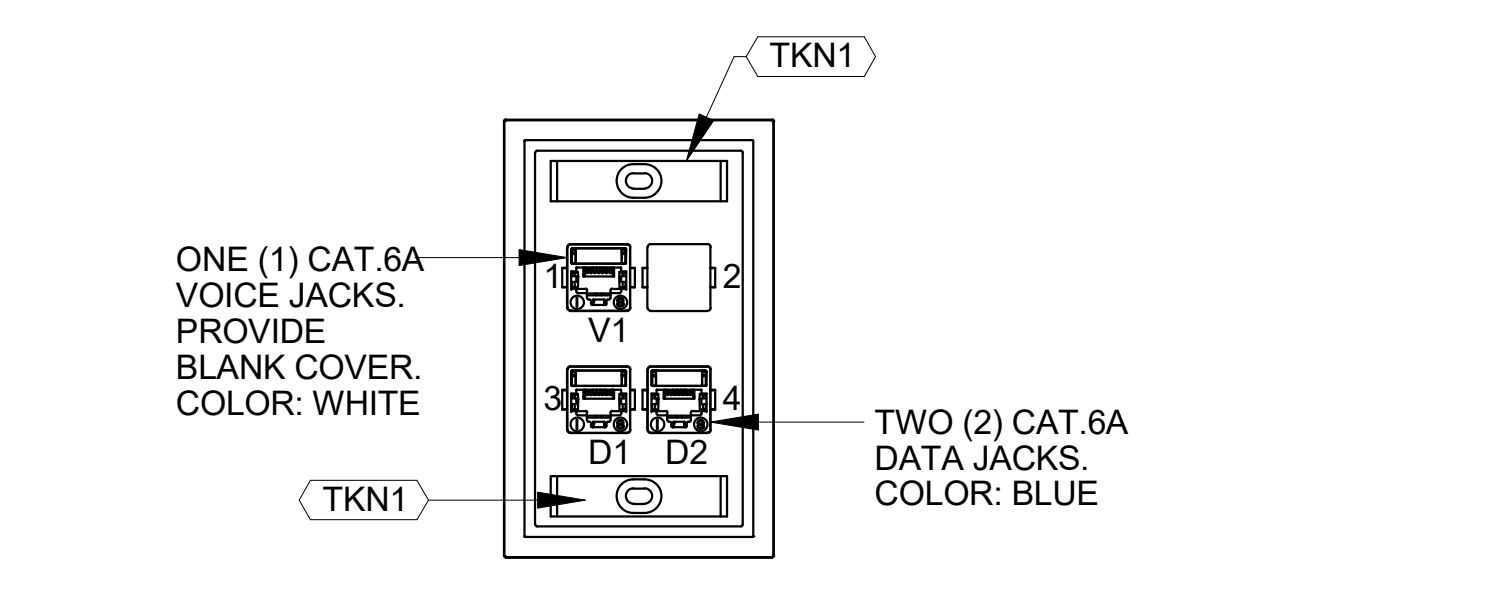
**TN901**

**SHEET NOTES**

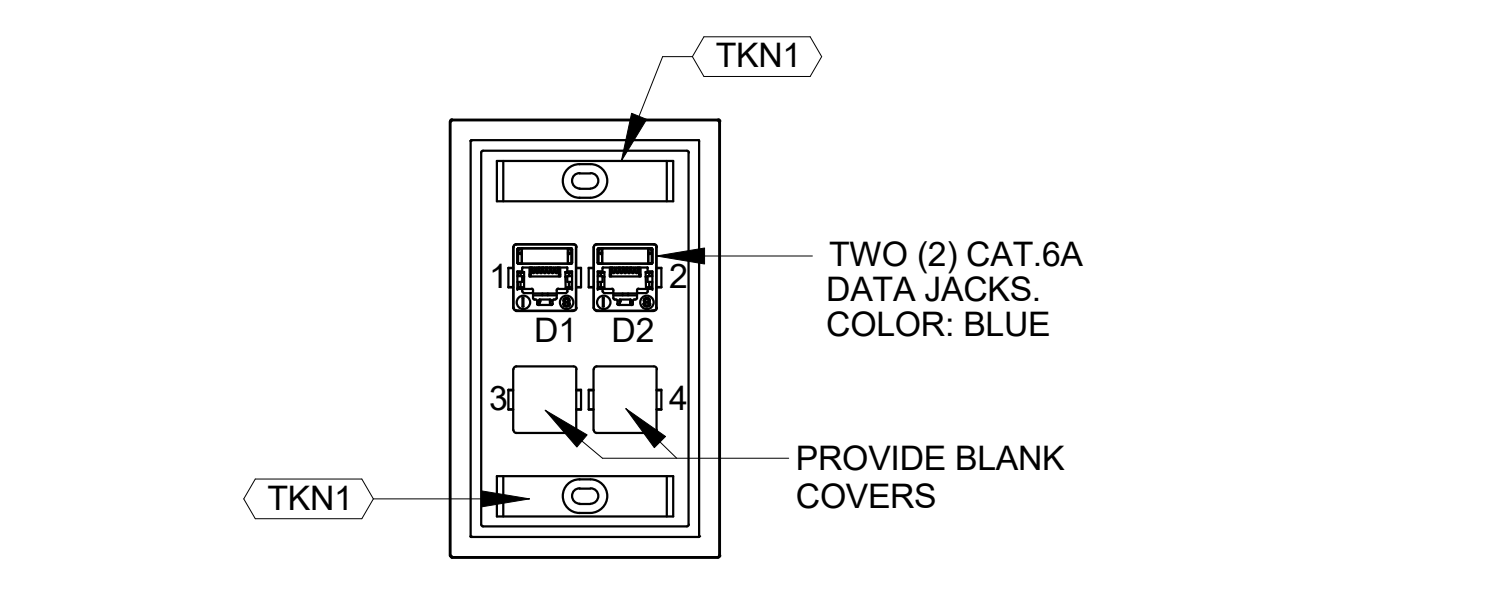
- RECEPTACLE ELEVATIONS ARE PROVIDED AS A CONVENIENCE FOR THE CONTRACTOR ONLY. RECEPTACLE ELEVATIONS GENERALLY REFLECT DESIGN BASIS OR SYSTEMS DESIGN BASIS ALTERNATES. CONTRACTOR TO COORDINATE ELEVATION WITH ALTERNATE SUBMITTED.
- RECEPTACLE ELEVATIONS MAY BE INCOMPLETE, REFER TO RECEPTACLE SCHEDULE FOR COMPLETE DETAILS.
- WHERE RECEPTACLE ELEVATIONS AND RECEPTACLE SCHEDULE CONFLICT. RECEPTACLE SCHEDULE TAKES PRECEDENCE OVER RECEPTACLE ELEVATIONS.

**KEYNOTES**

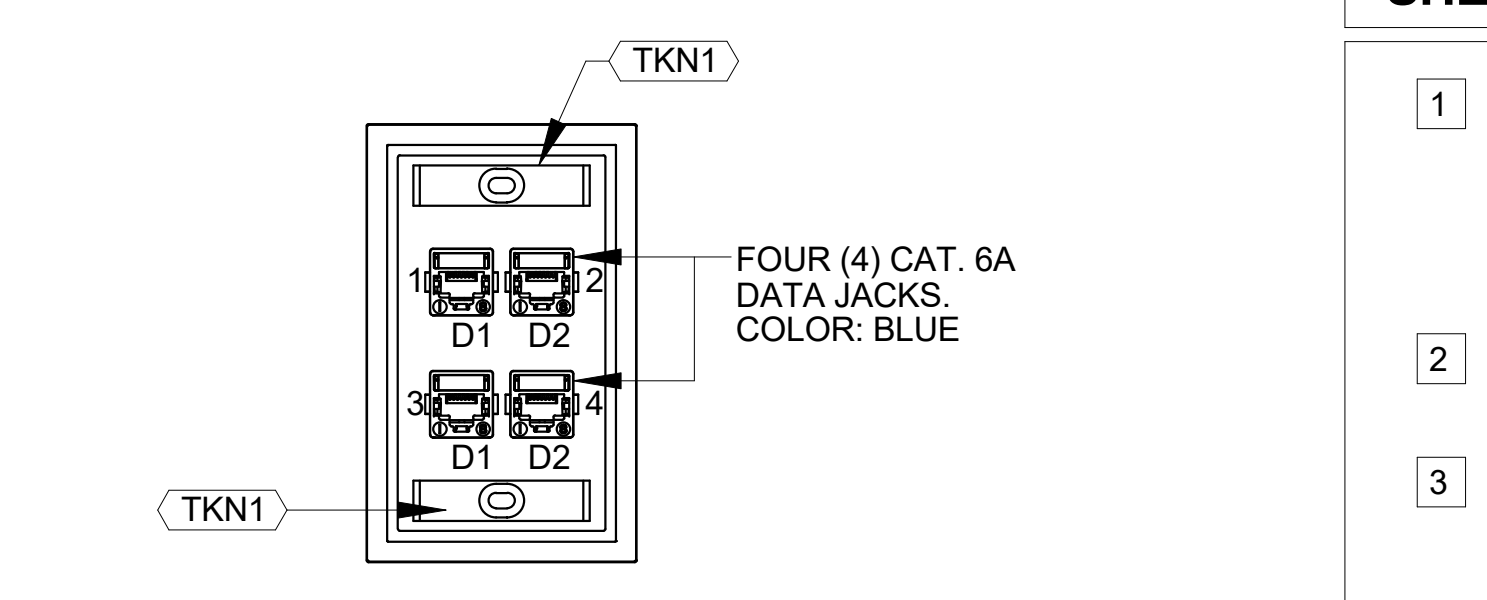
- TKN TELECOMMUNICATIONS SYSTEMS, WORK OF DIVISIONS 27.
- TKN1 LABEL THE OUTLET WITH THE IDF ROOM NUMBER, ROOM NUMBER OF THE WORK AREA, STATION NUMBER, JACK NUMBER (PREFIXED WITH TYPE "V" FOR VOICE, "D" FOR DATA) (EXAMPLE: "109 122-1-V1" WHERE "109" IS THE IDF, "122" IS THE ROOM WHERE THE JACK IS LOCATED, "1" IS THE STATION LOCATION, "V1" IS THE 1ST VOICE JACK IN THAT PARTICULAR WALL PLATE.
- TKN2 LABEL THE CABLE AND PATCH PANEL PORTS. MATCH THE JACKS LABEL.
- TKN3 PROVIDE 12" CLEAR ON ALL SIDES IN ORDER TO MOUNT THE TEL HANDSET. COORDINATE WITH ELECTRICAL AND SECURITY CONTRACTORS. HANDSET IS N.I.C.



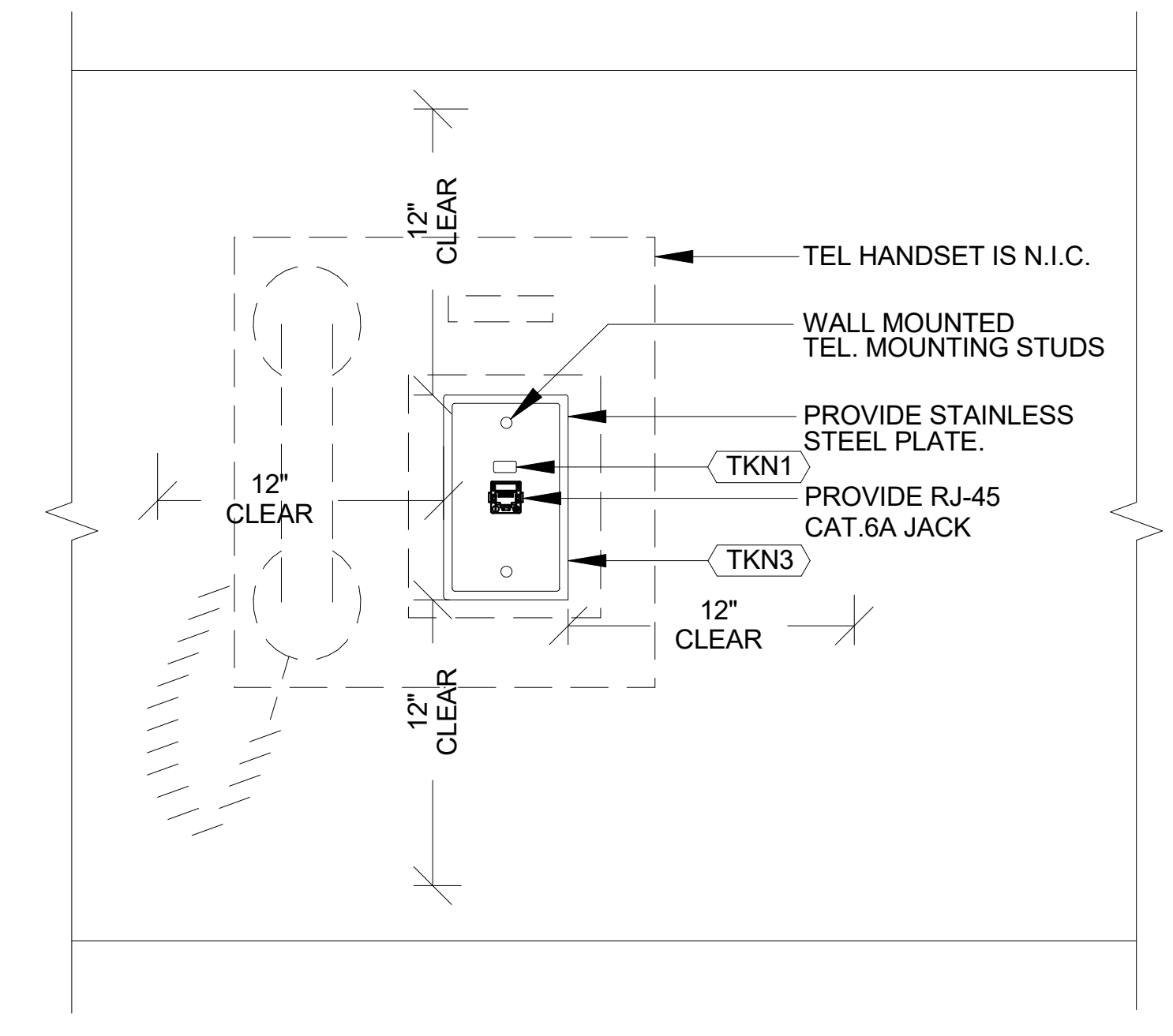
**1 1V, 2D OUTLET** NTS



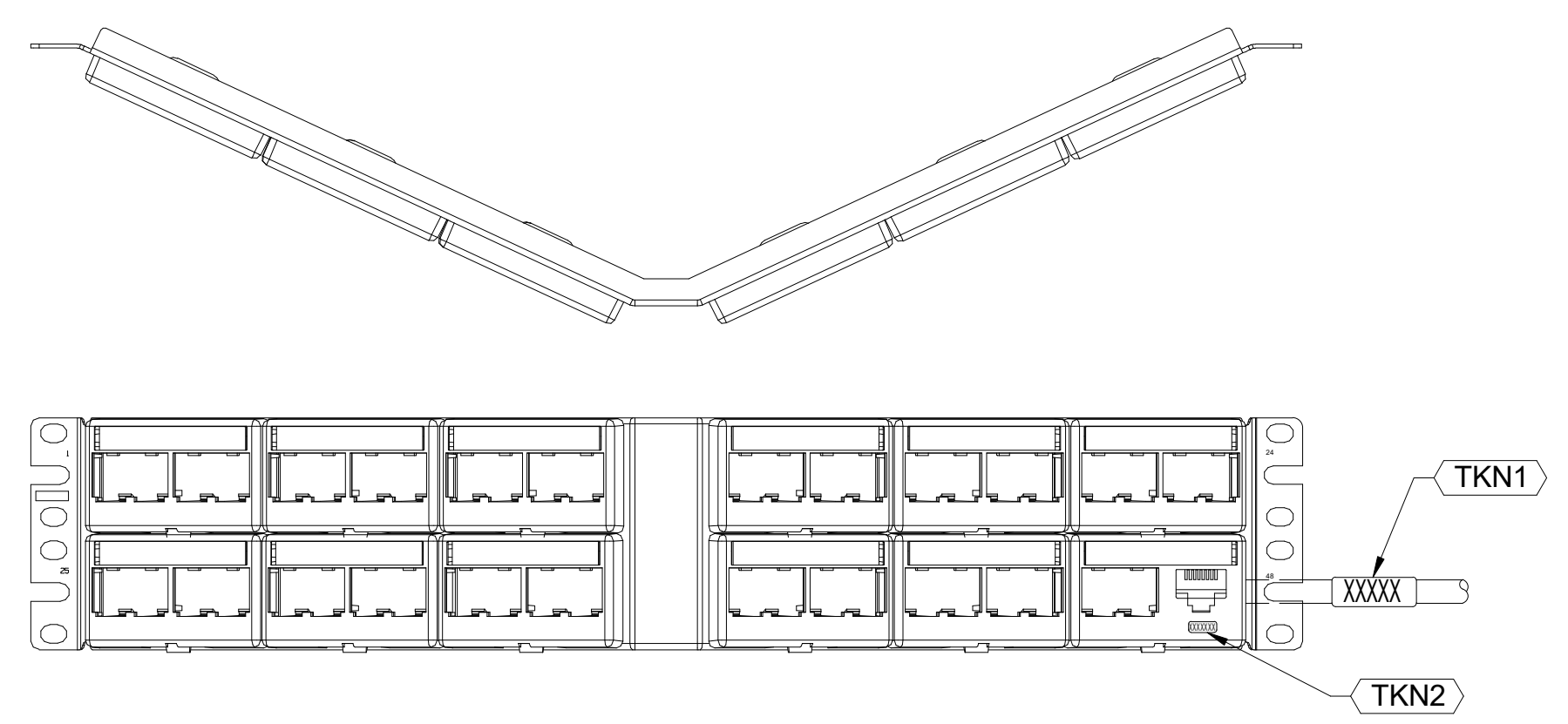
**2 2D OUTLET** NTS



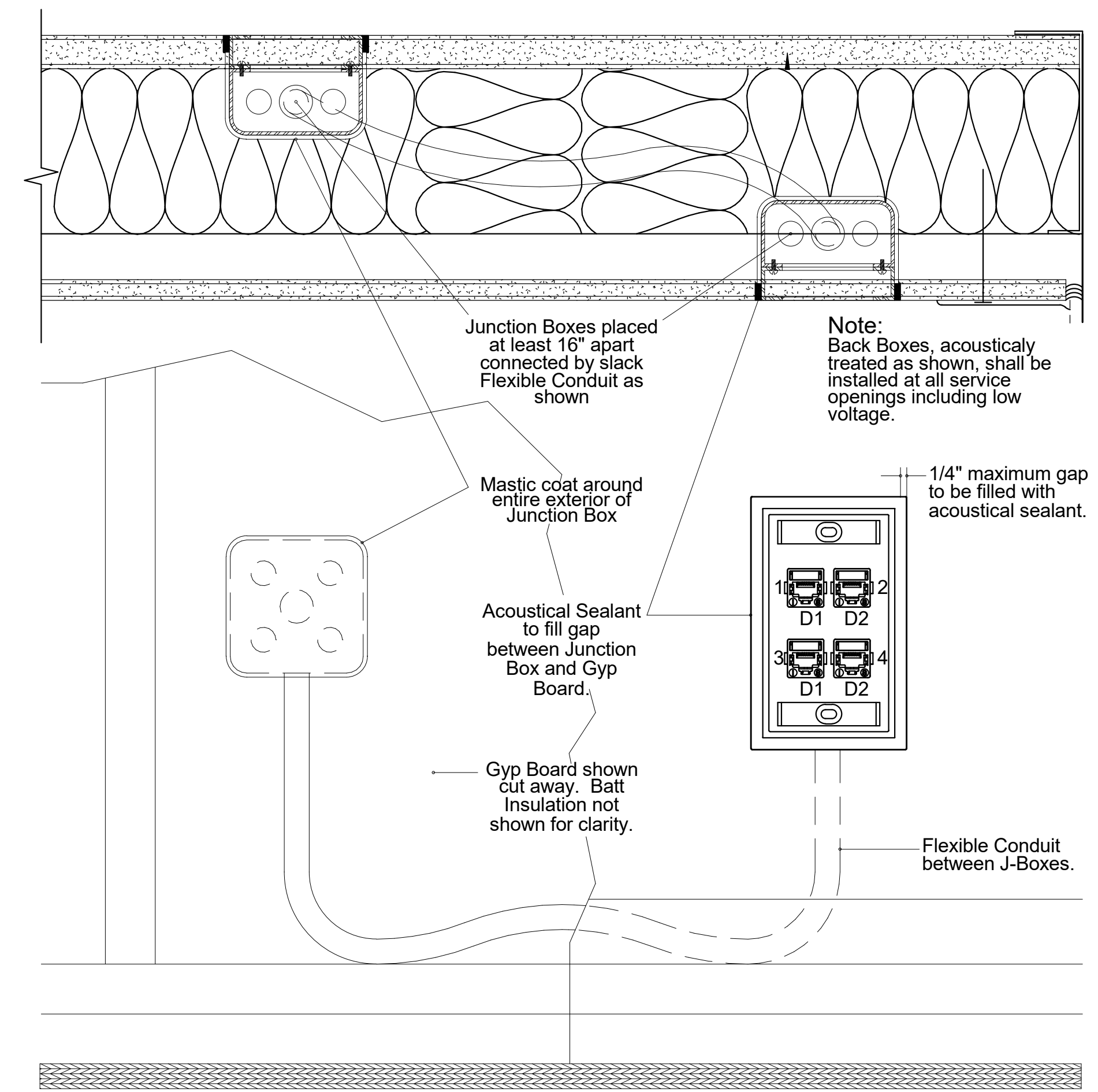
**1 4D OUTLET** NTS



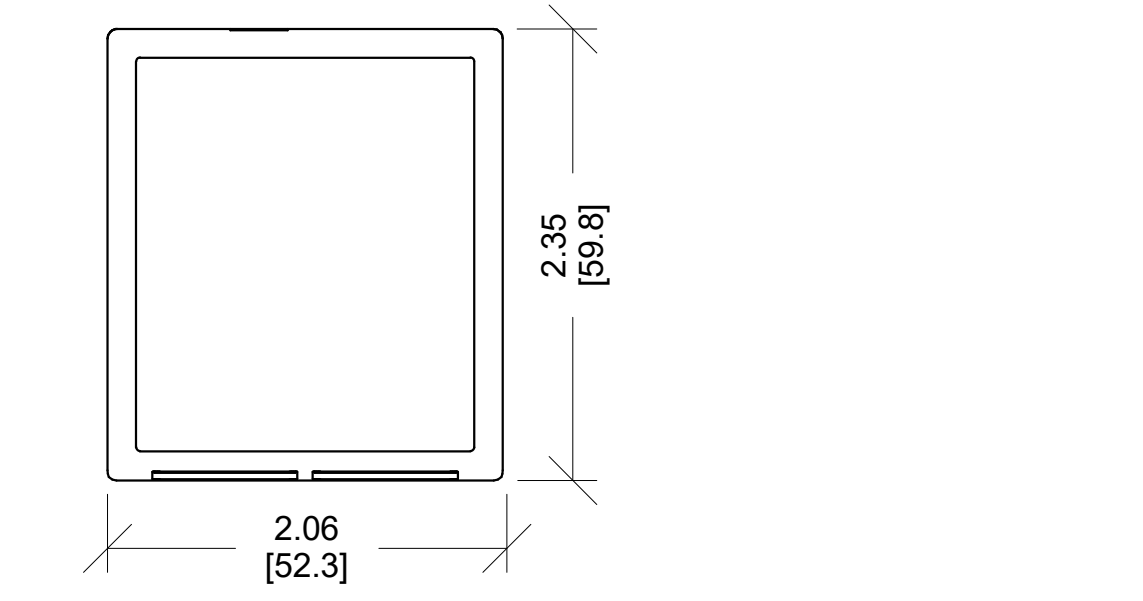
**4 1V OUTLET** NTS



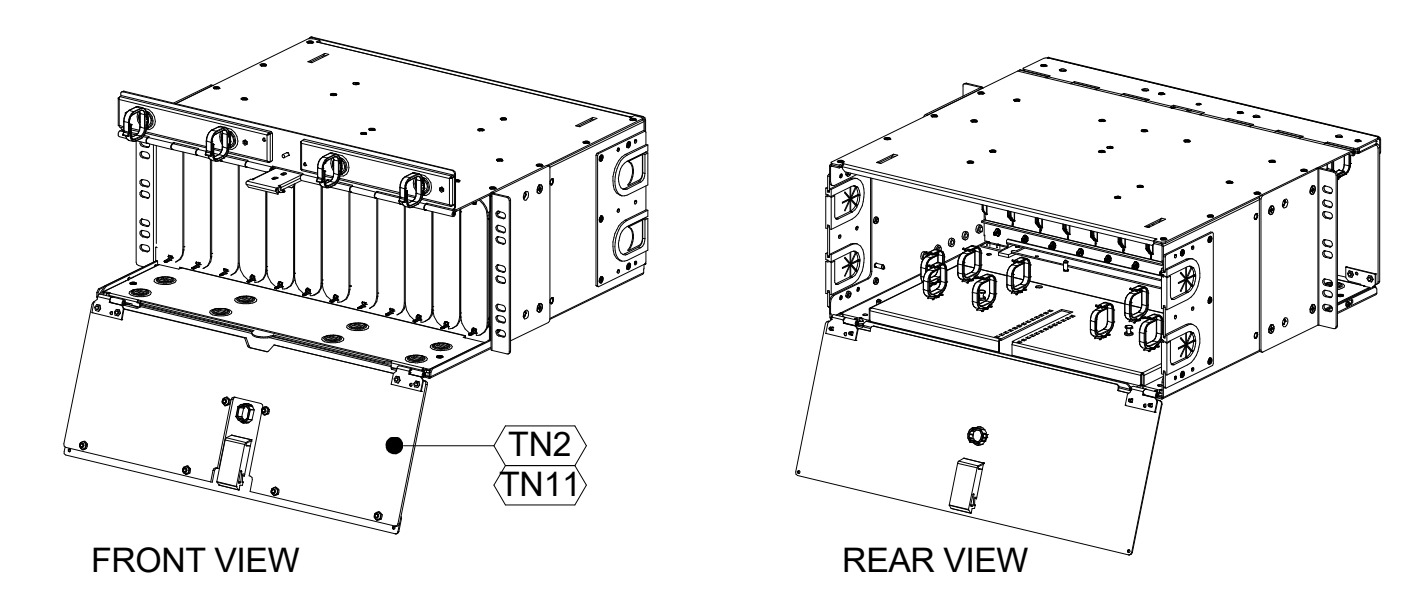
**5 PATCH PANEL AND CABLE LABELING** NTS



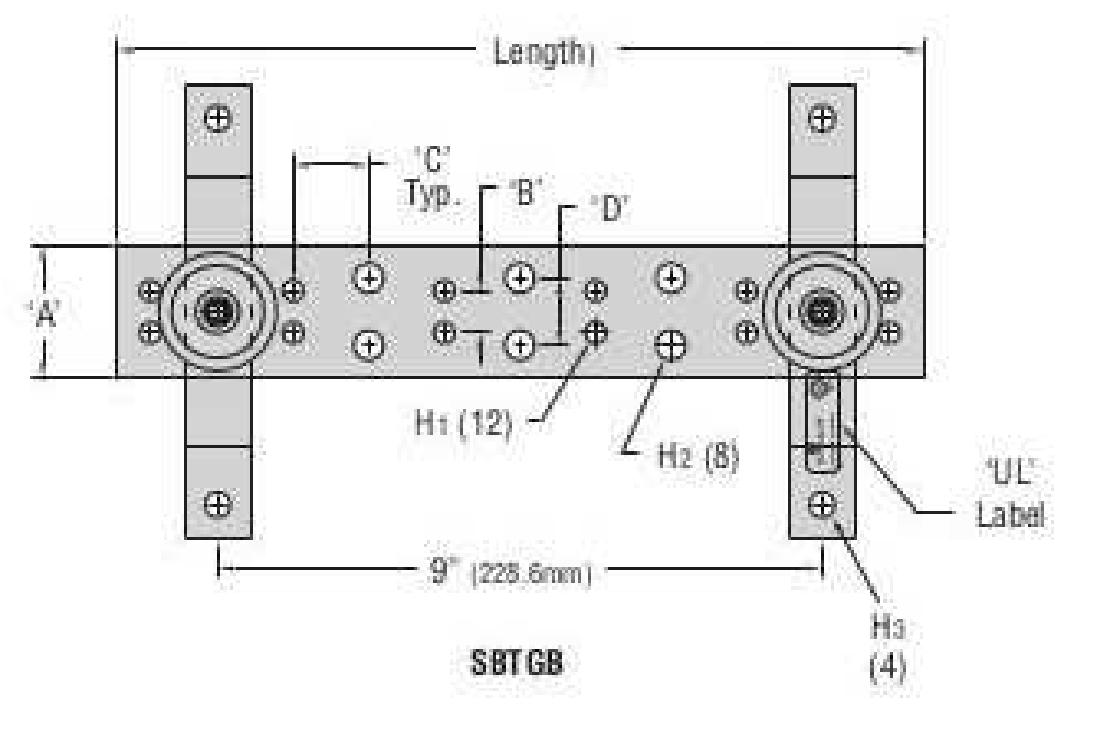
**7 ACOUSTIC SEALANT & INSULATION AT INTERIOR PARTITIONS** NTS



**8 TWO PORT SMB** NTS



**9 FIBER PATCH PANEL** NTS



**6 GROUNDING BUS BAR DETAIL** NTS

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DATE 03/11/2021 RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2022



PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
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ARCHITECT: MARJANG ARCHITECTURE  
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 SAN FRANCISCO, CA. 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869

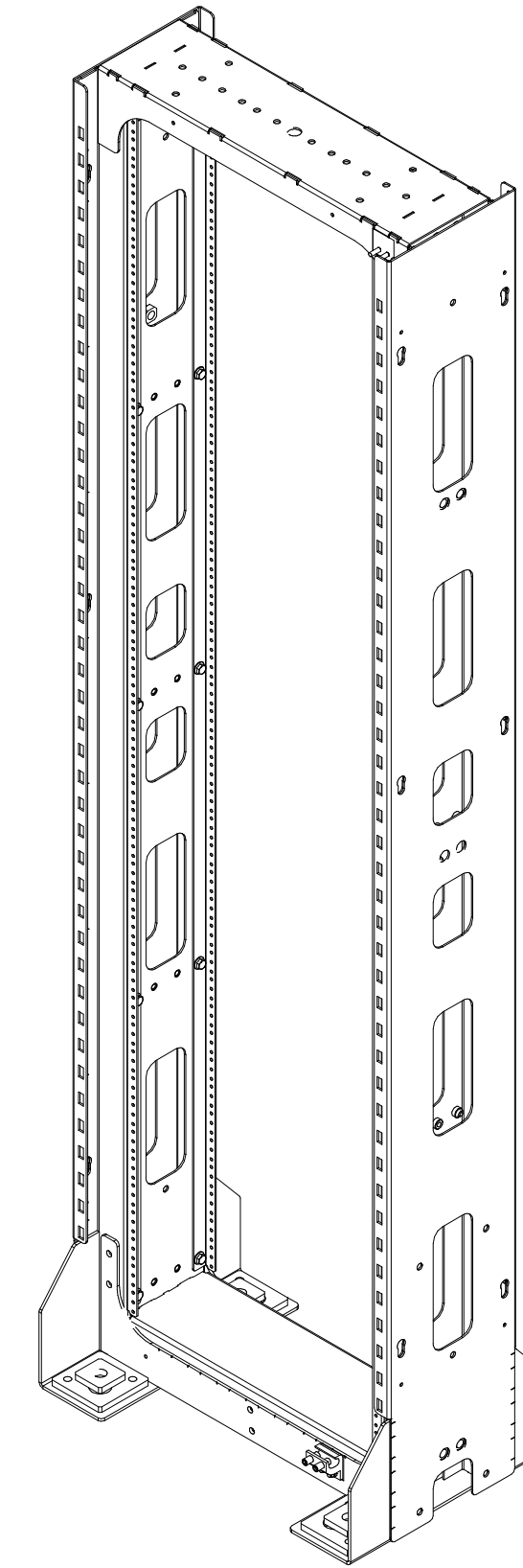
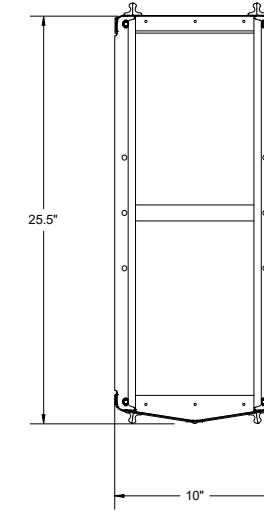
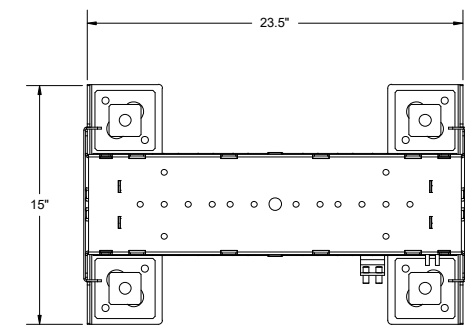
CIVIL: BKF ENGINEERS  
 1648 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544

MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
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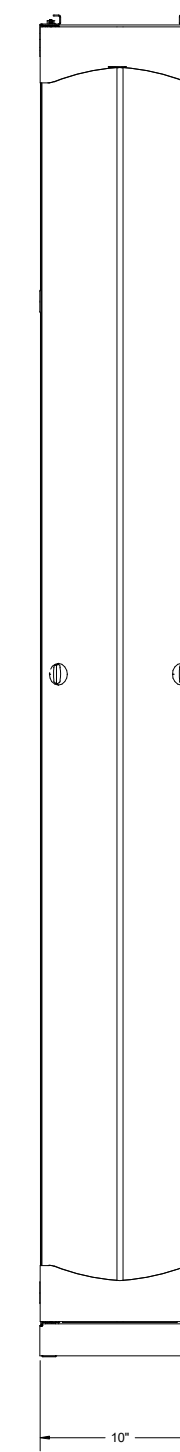
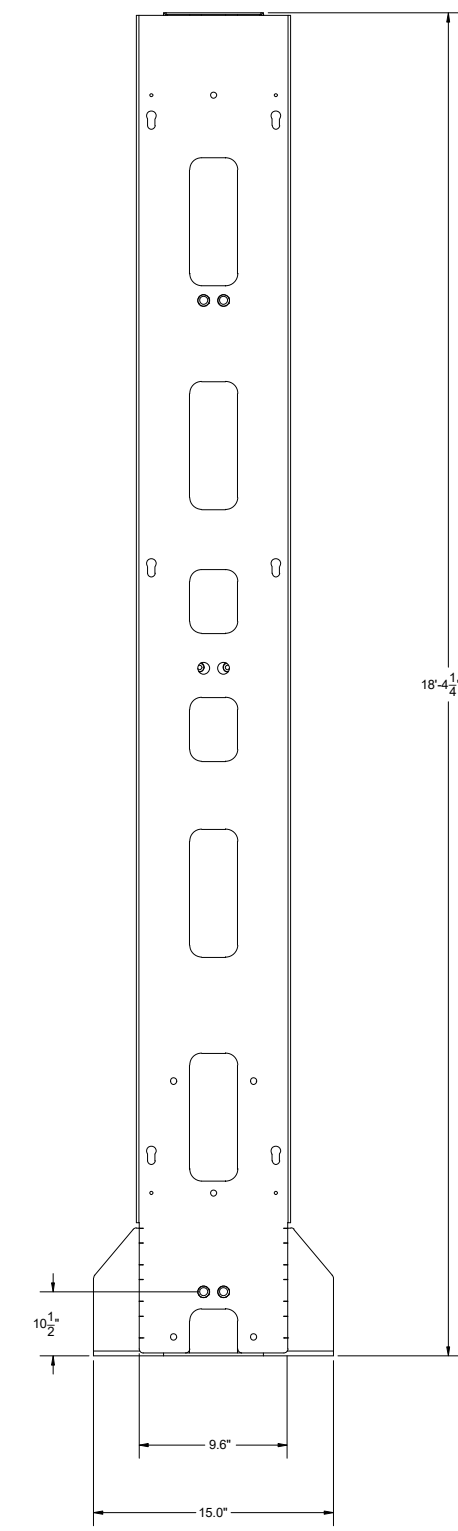
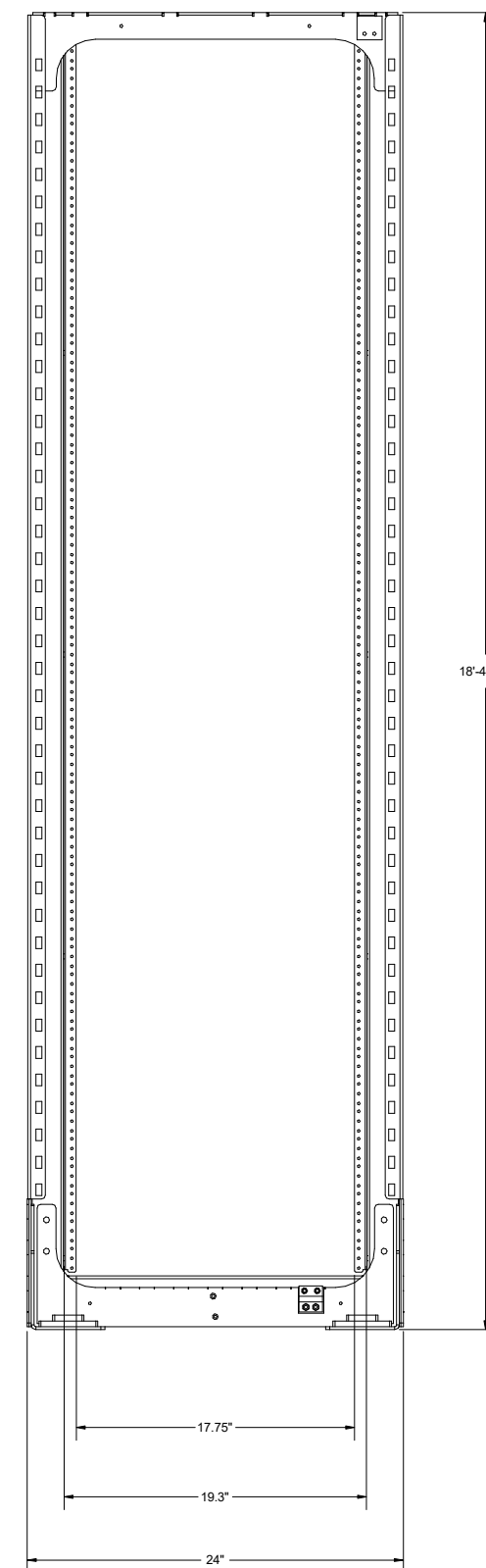
ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626



**1 R15 TOP VIEW** NTS

**2 WIRE MANAGER TOP VIEW** NTS

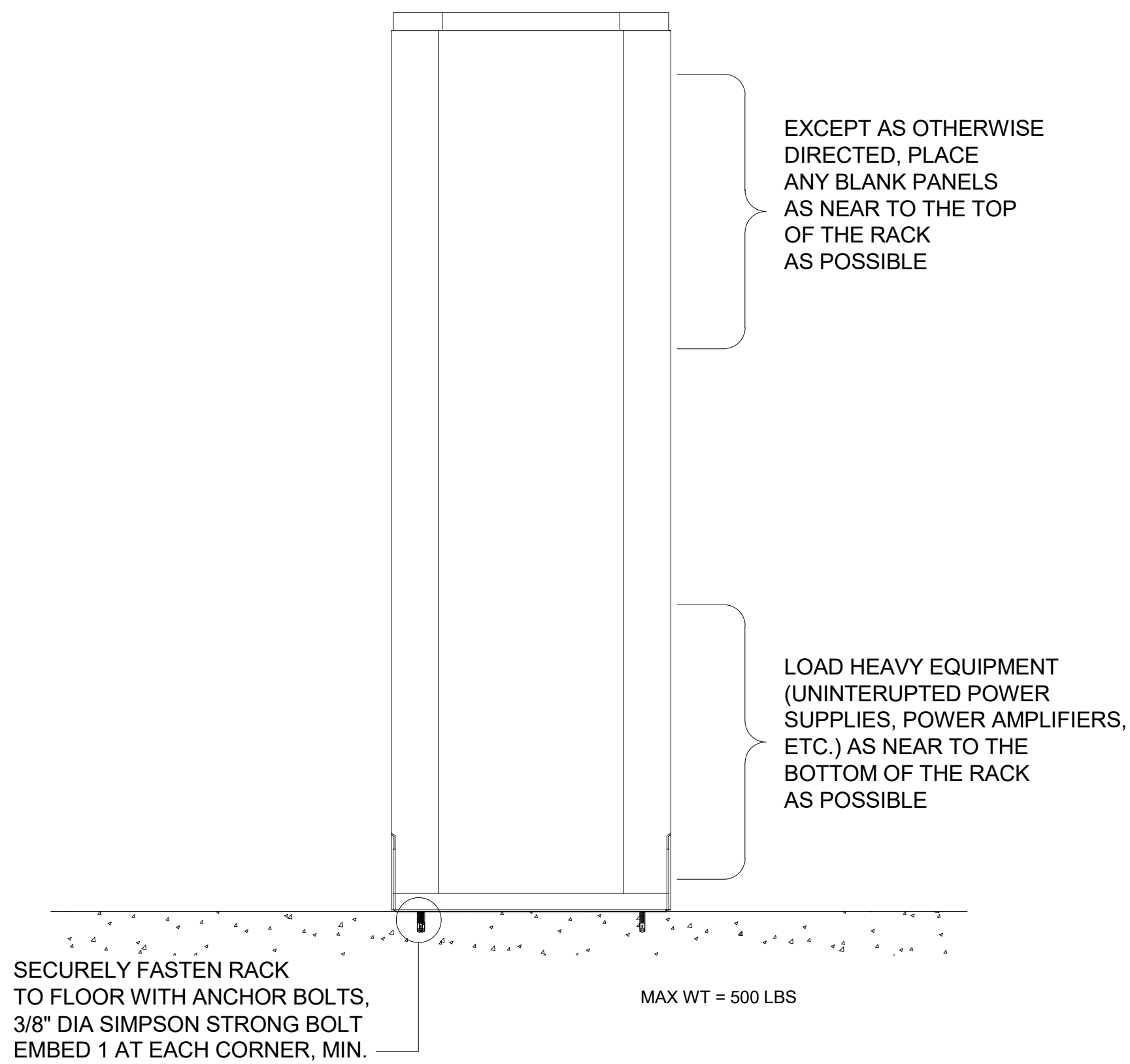
**3 ISOMETRIC** NTS



**4 R15 FRONT VIEW** NTS

**5 R15 SIDE VIEW** NTS

**6 WIRE MANAGER FRONT VIEW** NTS

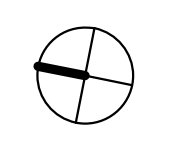


**7 RACK LOADING DETAILS** NTS

| NO.  | DESCRIPTION        | DATE       |
|------|--------------------|------------|
| 100% | DESIGN DEVELOPMENT | 12/17/2021 |
|      | ISSUED FOR PERMIT  | 04/01/2021 |
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JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

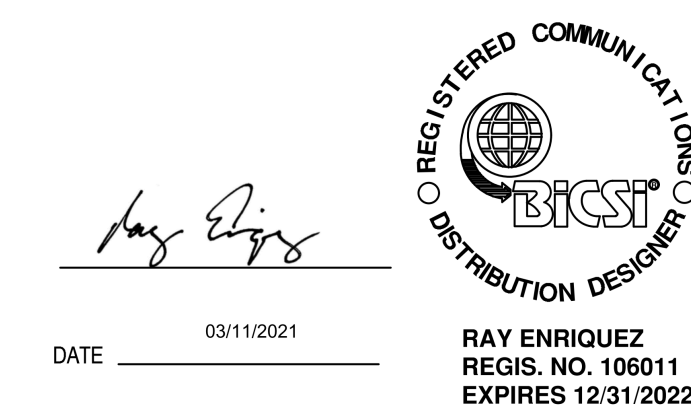
DESCRIPTION  
 DETAILS - RACK R15



**TN902**



STAMP

  
 DATE 03/11/2021  
 RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2022

PROJECT ADDRESS

**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

**CLIENT:** KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
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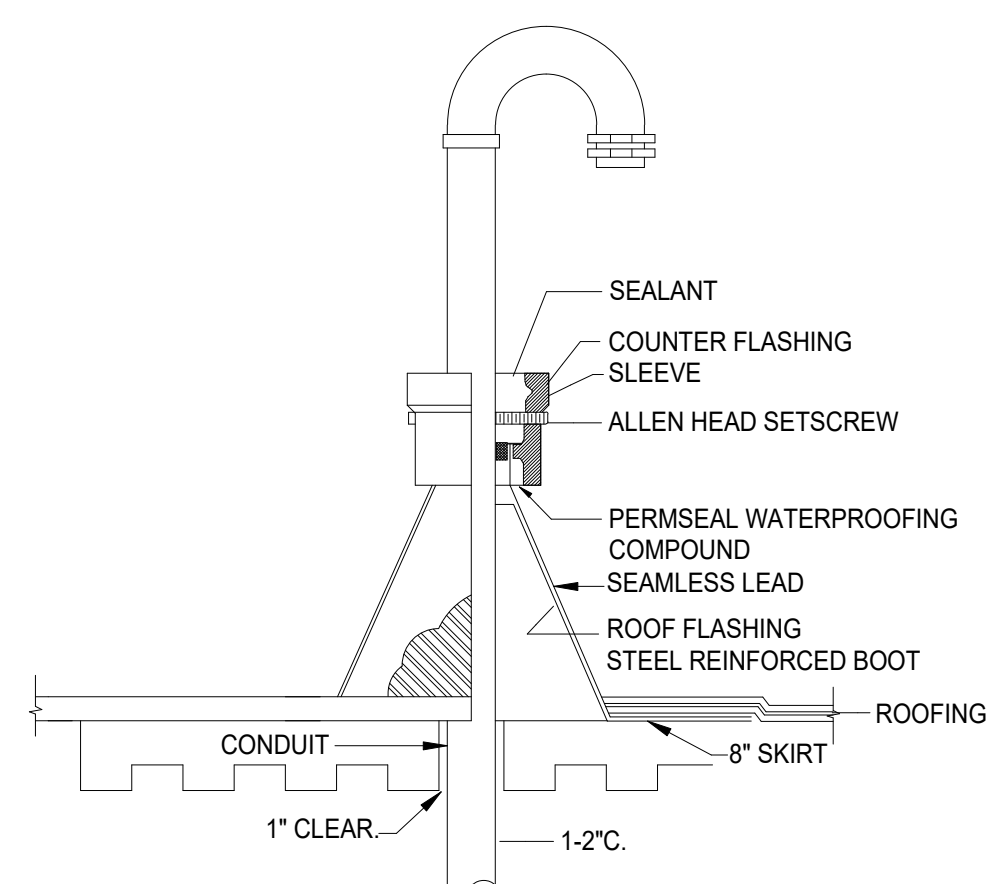
**CIVIL:** BKF ENGINEERS  
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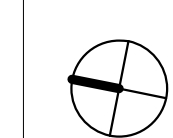


**1 DETAILS - ROOF ENTRANCE WEATHERHEAD** NTS

| NO. | DESCRIPTION       | DATE       |
|-----|-------------------|------------|
|     | ISSUED FOR PERMIT | 04/01/2021 |
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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 DETAILS - OUTSIDE PLANT

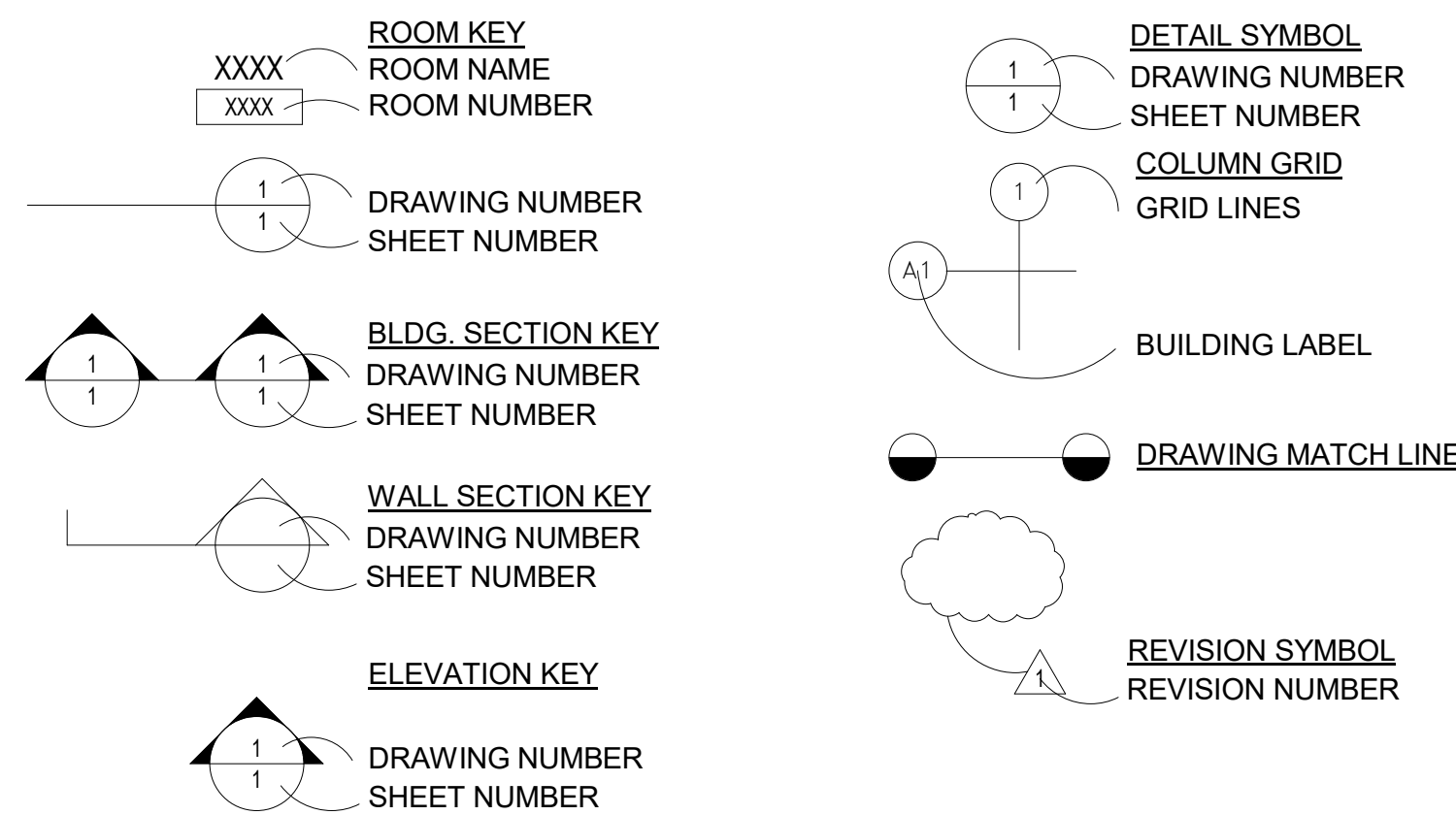


**TN904**

# ELECTRONIC SECURITY SYSTEMS GENERAL NOTES

- 1 REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.
- 2 PROVIDE CONDUIT, BOXES AND FITTINGS SHOWN ON ELECTRONIC SECURITY SYSTEMS (TY) SYSTEM DRAWINGS UNDER THE WORK OF SECTION 28 05 28 PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY. UNLESS OTHERWISE INDICATED, PROVIDE 1 INCH TRADE SIZE MINIMUM. PROVIDE RACEWAY SIZE AS REQUIRED FOR A MAXIMUM OF 30 PERCENT WIRE FILL.
- 3 PROVIDE FIRESTOPPING UNDER THE WORK OF SECTION 28 05 28 PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY.
- 4 LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS.
- 5 DEVICE QUANTITIES SHOWN ON FLOOR PLANS AND REFLECTED CEILING PLANS TAKE PRECEDENCE OVER DEVICE QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS.
- 6 QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON RACK ELEVATIONS.
- 7 QUANTITIES SHOWN ON DEVICE SCHEDULES TAKE PRECEDENCE OVER QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS, FLOOR PLANS AND REFLECTED CEILING PLANS.
- 8 LOCATIONS SHOWN ON LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON SMALL SCALE DRAWINGS.
- 9 NOT USED.
- 10 WIRING FOR THE WORK OF ELECTRONIC SECURITY SYSTEMS IS NOT PERMITTED TO SHARE CONDUIT, SLEEVES OR J-HOOKS WITH WIRING FOR WORK OF DIVISION 27. MAINTAIN AT LEAST 2 INCHES SEPARATION IF RUNNING PARALLEL. MAINTAIN AT LEAST 3 INCHES OF SEPARATION VERTICALLY IF CROSSING AT RIGHT ANGLES.

# GENERAL SYMBOLS

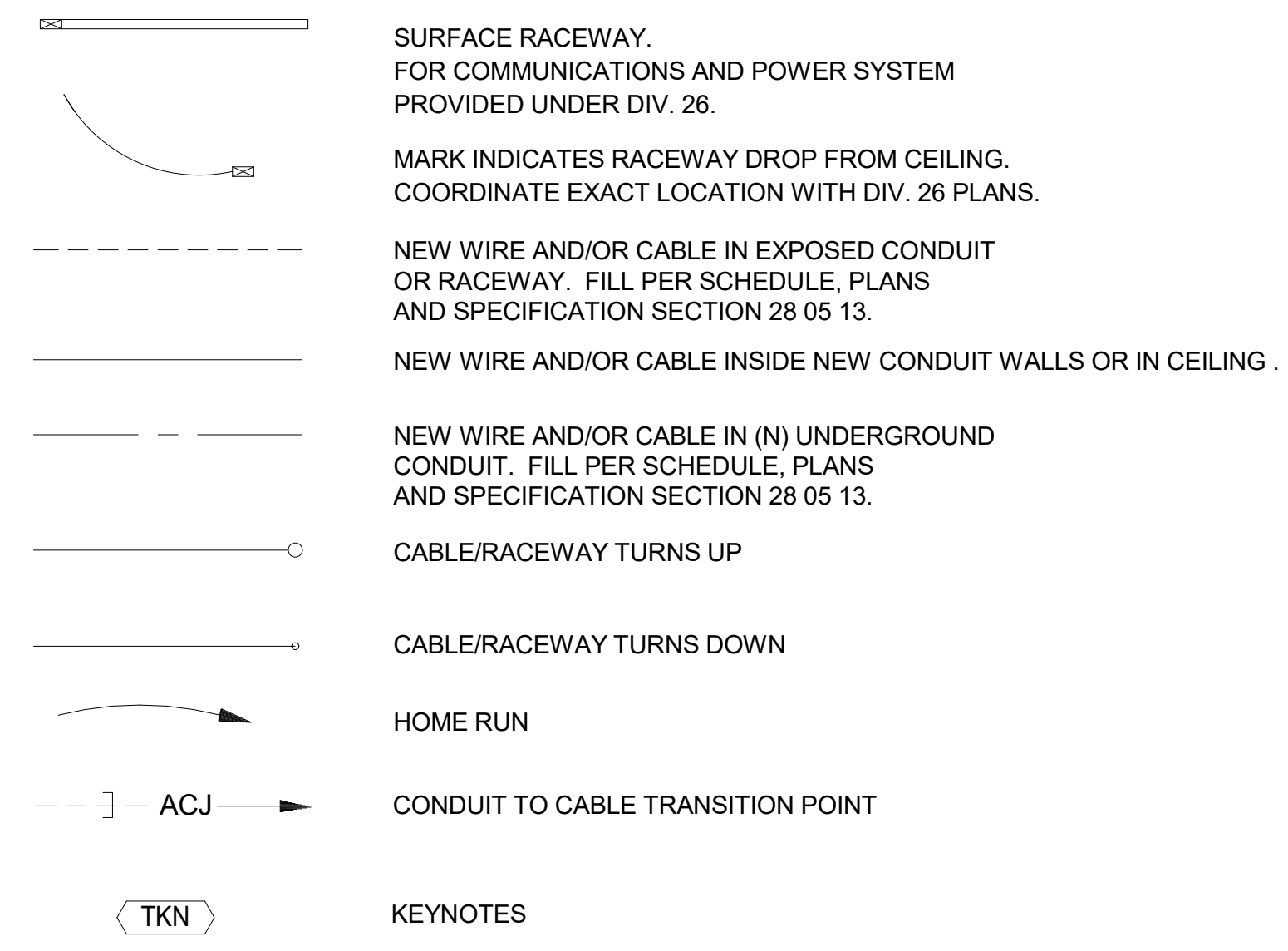


# MATERIAL & EQUIPMENT LEGEND

|         |  |           |   |
|---------|--|-----------|---|
| 1IDP    | 1" INNERDUCT, PLENUM RATED                               | OSP       | OUTSIDE PLANT   |
| 2IDP    | 2" INNERDUCT, PLENUM RATED                               | SM        | SINGLE MODE OPTICAL FIBER   |
| C5ePP   | CATEGORY 5e PATCH PANEL                                  | UTP5e-4   | UNSHIELDED TWISTED PAIR, CAT. 5e                                  |
| C6PP    | CATEGORY 6 PATCH PANEL.                                  | UTP5e-4P  | UNSHIELDED TWISTED PAIR, CAT. 5e PLENUM                           |
| FOH-P   | FIBER OPTIC CABLE HYBRID, PLENUM RATED                   | UTP5e-4OP | UNSHIELDED TWISTED PAIR, CAT. 5e OUTSIDE PLANT                    |
| FOH-OPR | FIBER OPTIC CABLE HYBRID, OUTSIDE PLANT RISER RATED      | UTP6-4    | UNSHIELDED TWISTED PAIR, CAT. 6                                   |
| FOM-OPR | FIBER OPTIC CABLE, MULTI MODE OUTSIDE PLANT RISER RATED  | UTP6-4P   | UNSHIELDED TWISTED PAIR, CAT. 6 PLENUM                            |
| FOS-OPR | FIBER OPTIC CABLE, SINGLE MODE OUTSIDE PLANT RISER RATED | UTP6-4OP  | UNSHIELDED TWISTED PAIR, CAT. 6 OUTSIDE PLANT                     |
| FPP     | FIBER PATCH PANEL  | 110TBXX   | 110 TERMINAL BLOCK, CAT.5, XX-NO OF PAIRS                         |
| FSC     | FIBER SPLICE CLOSURE                                     | 110PWTBXX | 110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR, XX- NO OF PAIRS |
| FSP     | FIBER SPLICE PANEL                                       | TB15      | TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.                          |
| FTB     | FIBER TERMINAL BOX                                       |           |   |
| IDF     | INTERMEDIATE DISTRIBUTION FACILITY                       |           |   |
| MDF     | MAIN DISTRIBUTION FACILITY.                              |           |   |
| MM      | MULTI MODE OPTICAL FIBER                                 |           |   |
| MMP     | MULTIMEDIA PLATE   |           |   |

**NOTE:**  
 SEE SPECIFICATION SECTIONS FOR REFERENCE DESCRIPTIONS AND REQUIREMENTS. FOR OTHER MATERIAL AND EQUIPMENT TYPES REFER TO SPECIFICATIONS.

# LEGEND



# JUNCTION BOX SCHEDULE

| SYMBOL | H (INCHES) | W (INCHES) | (INCHES) |
|--------|------------|------------|----------|
| J1     | 6          | 6          | 4        |
| J2     | 8          | 8          | 4        |
| J3     | 12         | 12         | 4        |
| J4     | 12         | 12         | 6        |
| J5     | 12         | 12         | 8        |
| J6     | 16         | 12         | 6        |
| J7     | 18         | 18         | 8        |
| J8     | 20         | 16         | 6        |
| J9     | 20         | 16         | 8        |
| J10    | 20         | 20         | 6        |
| J11    | 20         | 20         | 8        |
| J12    | 24         | 20         | 6        |
| J13    | 24         | 20         | 8        |
| J14    | 24         | 24         | 8        |
| J15    | 30         | 24         | 8        |
| J16    | 30         | 30         | 8        |
| J17    | 36         | 30         | 8        |
| J18    | 36         | 36         | 8        |

**SUFFIX:**  
 NONE - NEMA 1 C - NEMA 4  
 A - NEMA 12 D - NEMA 4X  
 B - NEMA 3R

**EXAMPLE:** J16C= 30"H X 30"W X 8"D HINGED NEMA 4 JBOX.

**NOTE 1**  
 ALL JUNCTION BOXES TO BE HINGED TYPE, PROVIDED WITHOUT PRE-PUNCHED KNOCKOUTS. PENETRATIONS IN JUNCTION BOXES SHALL BE CUT OR PUNCHED AS REQUIRED FOR INSTALLATION. PAINT ALL INTERIOR BOXES TO MATCH WALL FINISH. COORDINATE FINISH WITH ARCH. PLANS.

# ABBREVIATIONS

|          |  |
|----------|--|
| 1SR-1    | SINGLE CHAMBER SURFACE RACEWAY                       |
| 3SR-2.5  | THREE CHAMBER SURFACE RACEWAY                        |
| A.D.A.   | AMERICANS WITH DISABILITIES ACT                      |
| ADF      | AREA DISTRIBUTION FACILITY                           |
| A.F.C.   | ABOVE FINISHED CEILING                               |
| A.F.F.   | ABOVE FINISHED FLOOR                                 |
| ALT      | ALTERNATE  |
| A.M.F.F. | ABOVE MEZZANINE FINISHED FLOOR                       |
| BDF      | BUILDING DISTRIBUTION FACILITY                       |
| B.F.C.   | BELOW FINISHED CEILING                               |
| BLDG.    | BUILDING   |
| B.O.H.   | BACK OF HOUSE  |
| C.       | CONDUIT  |
| CAT.     | CATEGORY   |
| CBC      | CALIFORNIA BUILDING CODE                             |
| CEC      | CALIFORNIA ELECTRICAL CODE                           |
| COMM.    | COMMUNICATIONS                                       |
| C.L      | CENTERLINE   |
| C.O.     | CONDUIT ONLY   |
| CONT.    | CONTINUATION   |
| CS       | COMMUNICATIONS SYSTEM                                |
| (D)      | DEMOLISH EXISTING                                    |
| DED      | DEDUCTIVE  |
| ø, DIA.  | DIAMETER   |
| DIV      | DIVISION   |
| (E)      | EXISTING   |
| EA       | EACH   |
| EIA      | ELECTRONIC INDUSTRIES ASSOCIATION                    |
| ELEV.    | ELEVATION  |
| E.O.L.   | END OF LINE  |
| EQPT.    | EQUIPMENT  |
| FIN      | FINISHED   |
| FUT      | FUTURE   |
| H.R.     | HOME RUN   |
| HT.      | HEIGHT   |
| J, JBOX  | JUNCTION BOX   |
| LAN      | LOCAL AREA NETWORK                                   |
| MATV     | MASTER ANTENNA TELEVISION                            |
| MAX.     | MAXIMUM  |
| MIN.     | MINIMUM  |
| MOD.     | MODULAR  |
| MON.     | MONUMENT   |
| (N)      | NEW  |
| NEC      | NATIONAL ELECTRICAL CODE                             |
| N.I.C.   | NOT IN CONTRACT                                      |
| NTS      | NOT TO SCALE   |
| O.C.     | ON CENTER  |
| O.D.     | OUTSIDE DIAMETER                                     |
| O.F.E.   | OWNER FURNISHED EQUIPMENT                            |
| OPP.     | OPPOSITE   |
| PNL.     | PANEL  |
| PROJ.    | PROJECT  |
| P.S.R.H  | PROJECT STANDARD RECEPTACLE HEIGHT +18" AFF, U.O.N.  |
| P.S.S.H. | PROJECT STANDARD SWITCH HEIGHT +48" AFF TO Ⓢ, U.O.N. |
| RE.      | REFER TO   |
| REF.     | REFERENCE  |
| SIM.     | SIMILAR  |
| SM       | SINGLE MODE OPTICAL FIBER                            |
| SN       | SHEET NOTE   |
| SP       | SHIELDED PAIR - SEE SPECIFICATIONS                   |
| SPEC     | SPECIFICATION  |
| S.R.     | SURFACE RACEWAY                                      |
| STD      | STANDARD   |
| STP      | SHIELDED TWISTED PAIR                                |
| T.C.     | TELECOMMUNICATIONS CLOSET                            |
| TEL      | TELEPHONE  |
| TELCOM   | TELECOMMUNICATIONS                                   |
| TIA      | TELECOMMUNICATIONS INDUSTRY ASSOCIATION              |
| TP       | TWISTED PAIR   |
| TYP.     | TYPICAL  |
| U.O.N.   | UNLESS OTHERWISE NOTED                               |
| W/       | WITH   |
| WP       | WEATHERPROOF   |

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**RAY ENRIQUEZ**  
 REGIS. NO. 106011  
 EXPIRES 12/31/2022

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**KENSINGTON, CA 94707**

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 SAN FRANCISCO, CA 94110  
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| NO.  | DESCRIPTION        | DATE       |
|------|--------------------|------------|
| 100% | DESIGN DEVELOPMENT | 12/17/2021 |
|      | ISSUED FOR PERMIT  | 04/01/2021 |

**JOB NO.**  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

**DESCRIPTION**  
 GENERAL NOTES, LEGEND, SYMBOLS,  
 ABBREVIATIONS AND JBOX SCHEDULE

| SYMBOL   | DEVICE   | FUNCTION OR SERVICE | LOCATION                 | WORK OF              | ROUGH-IN  | RACEWAY                                       | ELEVATION                                  | CABLE FILL   | FINISH       | DETAIL SHEET(S) |
|----------|--|---------------------|--------------------------|----------------------|---|---|--|--|--------------|-----------------|
| 1<br>PTZ | CCTV IP CAMERA, PTZ, INDOOR/OUTDOOR.   | VISUAL SURVEILLANCE | WALL OR CLG AS INDICATED | 28 23 00             | FLUSH 4S BOX. 2 G. RING   | (1) 1" C. STUBBED UP TO ACCESSIBLE CEILING.   | AS SCHEDULED                               | 1 CAT 6 CABLE PER DIV 27.  | AS SPECIFIED | TY-902          |
| 3        | CCTV IP CAMERA, 180 DEGREE CAPABLE, THREE SENSOR MINIMUM, FIXED FOCUS, INDOOR/OUTDOOR.                 | VISUAL SURVEILLANCE | WALL OR CLG AS INDICATED | 28 23 00             | FLUSH 4S BOX. 2 G. RING   | (1) 1" C. STUBBED UP TO ACCESSIBLE CEILING.   | AS SCHEDULED                               | 1 CAT 6 CABLE PER DIV 27.  | AS SPECIFIED | TY-902          |
| 1        | CCTV IP CAMERA, 90 DEGREE CAPABLE, SINGLE SENSOR, FIXED FOCUS, INDOOR/OUTDOOR.                         | VISUAL SURVEILLANCE | WALL OR CLG AS INDICATED | 28 23 00             | FLUSH 4S BOX. 2 G. RING   | (1) 1" C. STUBBED UP TO ACCESSIBLE CEILING.   | AS SCHEDULED                               | 1 CAT 6 CABLE PER DIV 27.  | AS SPECIFIED | TY-902          |
| CR       | CARD READER, NARROW, DOOR MULLION MOUNT TYPE.  | ACCESS CONTROL      | INDICATED                | 28 05 28<br>28 13 00 | MOUNT ON DOOR MULLION.  | SEE TY-901                                    | +44" AFF TO CL U.O.N.                      | SEE ACS FUNCTIONAL DIAGRAM   | AS SPECIFIED | TY9.1           |
| CR       | CARD READER  | ACCESS CONTROL/IDS  | INDICATED                | 28 05 28<br>28 13 00 | FLUSH 4S BOX, 2-1/8" DEEP MIN., 1 GANG RING   | SEE TY-901                                    | +44" AFF TO CL U.O.N.                      | SEE ACS FUNCTIONAL DIAGRAM   | AS SPECIFIED | TY9.1           |
| CKP      | CARD READER, MULTI-PROTOCOL PROX/SMART WITH INTEGRAL KEYPAD. PROVIDE A HOOD ON ALL EXTERIOR LOCATIONS. | ACCESS CONTROL/IDS  | INDICATED                | 28 05 28<br>28 13 00 | FLUSH 4S BOX, 2-1/8" DEEP MIN., 1 GANG RING. PROVIDE COVER ON ALL EXTERIOR LOCATIONS. | SEE TY-901                                    | +44" AFF TO CL U.O.N.                      | SEE ACS FUNCTIONAL DIAGRAM   | AS SPECIFIED | TY-901          |
| DO       | DOOR OPERATOR FOR ADA PUSH PLATE.  | ACCESS CONTROL      | PEDESTAL                 | WO 2                 |   | SEE TY-901                                    | AS DETAILED ON ARCH PLANS                  | SEE ACS FUNCTIONAL DIAGRAM   |              | TY-901          |
| DS       | DOOR POSITION SWITCH   | ACCESS CONTROL/IDS  | LRI 1                    | 28 13 00             | LRI 1   | SEE TY-901                                    | AS DETAILED                                |  |              | TY-901          |
| DU       | ROLL-UP DOOR POSITION SWITCH   | ACCESS CONTROL/IDS  |                          | 28 16 19             |   | SEE TY-901                                    | AS DETAILED                                | SEE ACS FUNCTIONAL DIAGRAM   |              | TY-901          |
| EL       | ELECTRIC LOCK  | ACCESS CONTROL/IDS  | INDICATED                | WO1                  | MUD BOX AT SOLID GROUTED DOOR FRAMES  | SEE TY-901                                    | WIRE TO MIDDLE HINGE OF DOOR OPPOSITE LOCK |  |              | TY-901          |
| ER       | ELECTRIC LOCK WITH INTEGRAL REX MICROSWITCH  | ACCESS CONTROL/IDS  | INDICATED                | 08 71 00<br>WO1      | MUD BOX AT SOLID GROUTED DOOR FRAMES  | SEE TY-901                                    | AS DETAILED                                | PER FUNCTIONAL   |              | TY-901          |
| GC       | GARAGE ROLL-UP DOOR/PARKING GATE MOTOR CONTROLLER  | INTRUSION DETECTION | INDICATED                | 28 1300              | N/A - STUB TO MOTOR CONTROLLER AT LV TERMINAL SIDE.                                   | (1) 3/4" C. STUBBED UP TO ACCESSIBLE CEILING. |  | AS REQUIRED - COORDINATE INTERFACE TYPE WITH WORK OF DIV 8 AND 26. |              |                 |
| HS       | HATCH SWITCH   | ACCESS CONTROL/IDS  | ACCESS HATCH             | 28 13 00             | AS SPECIFIED  | (1) 1/2" C. UP TO ACCESSIBLE CEILING          | ACCESS HATCH                               | PER MANUFACTURER'S RECOMMENDATION                                  |              |                 |
| LA       | DOOR LOCAL ALARM   | ACCESS CONTROL/IDS  | INDICATED                | 28 13 00             | 4S BOX W/ 1 G RING, U.O.N.  | (1) 3/4" C. STUBBED UP TO ACCESSIBLE CEILING. | +84" AFF TO CL U.O.N.                      | SEE ACS FUNCTIONAL DIAGRAM   | AS SPECIFIED |                 |
| KP       | KEYPAD, INTRUSION. PROVIDE MULTIPLE ZONES OR PARTITIONS, AS DIRECTED BY THE CITY'S REPRESENTATIVE.     | INTRUSION DETECTION | INDICATED                | 28 13 00             | 4S BOX W/ 1 G RING, U.O.N.  | (1) 1" C. UP TO ACCESSIBLE CEILING SPACE.     | +44" AFF TO CL, U.O.N.                     | AS SPECIFIED   | AS SPECIFIED |                 |
| PO       | POWERED OPERATOR, MOTOR ASSISTED DOOR  | ACCESS CONTROL      | INDICATED                | WO2                  | N/A - STUB TO MOTOR CONTROLLER AT LV TERMINAL SIDE.                                   | SEE TY-901                                    | ABOVE THE DOOR FRAME.                      | SEE ACS FUNCTIONAL DIAGRAM   | N/A          |                 |
| RB       | RELEASE DOOR BUTTON, CASEWORK MOUNTED  | ACCESS CONTROL      | UNDERSIDE OF CASEWORK    | 28 16 19             | AS SPECIFIED  | (1) 3/4" C. STUBBED UP TO ACCESSIBLE CEILING. | TOP OF CASEWORK                            | SEE ACS FUNCTIONAL DIAGRAM   |              |                 |
| REX      | REQUEST-TO-EXIT BUTTON, WALL MOUNTED   | ACCESS CONTROL/IDS  | INDICATED                | 28 16 19             | 4S BOX W/ 1 G RING, U.O.N.  | SEE TY-901                                    | +44" AFF TO CL U.O.N.                      |  |              | TY-901          |
| VI       | VIDEO IP INTERCOM STATION AT DOOR, OFOI. PROVIDE ROUGH-IN ONLY.  | TELECOMMUNICATIONS  | AT DOOR                  | 28 23 00             | 4S BOX W/ 2 G RING, U.O.N.  | (1) 3/4" C. STUBBED UP TO ACCESSIBLE CEILING. | +44" AFF TO CL U.O.N.                      | 1 CAT 6 CABLE PER DIV 27.  | AS SPECIFIED |                 |
| VM       | VIDEO IP MASTER STATION, OFOI. PROVIDE ROUGH-IN ONLY.  | TELECOMMUNICATIONS  | WALL                     | 28 23 00             | 4S BOX W/ 2 G RING, U.O.N.  | (1) 3/4" C. STUBBED UP TO ACCESSIBLE CEILING. | +44" AFF TO CL U.O.N.                      | 1 CAT 6 CABLE PER DIV 27.  | AS SPECIFIED |                 |
| WS       | WINDOW POSITION SWITCH   | ACCESS CONTROL/IDS  | WINDOW                   | 28 13 00             | AS SPECIFIED  | (1) 1/2" C. UP TO ACCESSIBLE CEILING          | WINDOW                                     | PER MANUFACTURER'S RECOMMENDATION                                  |              |                 |

NOTE NO. WORK OF NOTES

- WO1 ELECTRIC LOCK, ELECTRIC STRIKE, TRANSFER HINGE AND PANIC DOOR REX INTEGRATED IN PANIC HARDWARE BY DIV. 8, LOW VOLTAGE FIELD WIRING AND POWER SUPPLIES BY DIVISION 28
- WO2 MOTOR ASSISTED POWER DOOR OPERATOR BY DIVISION 8 AND 26. DOOR ENTRY FROM UNSECURE SIDE UNDER CONTROL OF ACCESS CONTROL SYSTEM.

NOTE NO. LOCATION & ROUGH-IN NOTES

- LRI 1 TOP OF DOOR AND IN DOOR FRAME, NOT MORE THAN 6" FROM JAMB SIDE. INSTALLATION SHALL NOT COMPROMISE FIRE RATING OF DOOR.
- LRI 2 4S BOX W/ 1 GANG RING AND BLANK COVER PLATE
- LRI 3 4S BOX W/ BLANK COVER PLATE W/ GROMMET OPENING MTD WITHIN 6" OF LATCH AT UNDERSIDE OF ROOF. EXTEND HS TO HATCH FRAME AND INSTALL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.
- LRI 4 SURFACE MOUNT ON DOOR FRAME. INSTALLATION SHALL NOT COMPROMISE FIRE RATING OF DOOR.



STAMP

DATE 03/17/2021  
 RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2022

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| NO. | DESCRIPTION             | DATE       |
|-----|-------------------------|------------|
|     | 100% DESIGN DEVELOPMENT | 12/17/2021 |
|     | ISSUED FOR PERMIT       | 04/01/2021 |
|     |                         |            |
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|     |                         |            |
|     |                         |            |

JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 SYMBOL SHCHEDULE

**TY002**



KEYNOTES  
TKN2045 CONFIGURE THE READER TO PROVIDE ACCESS FOR A VALID FOB OR A VALID CODE.

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*Ray Enriquez*  
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EXPIRES 12/31/2022

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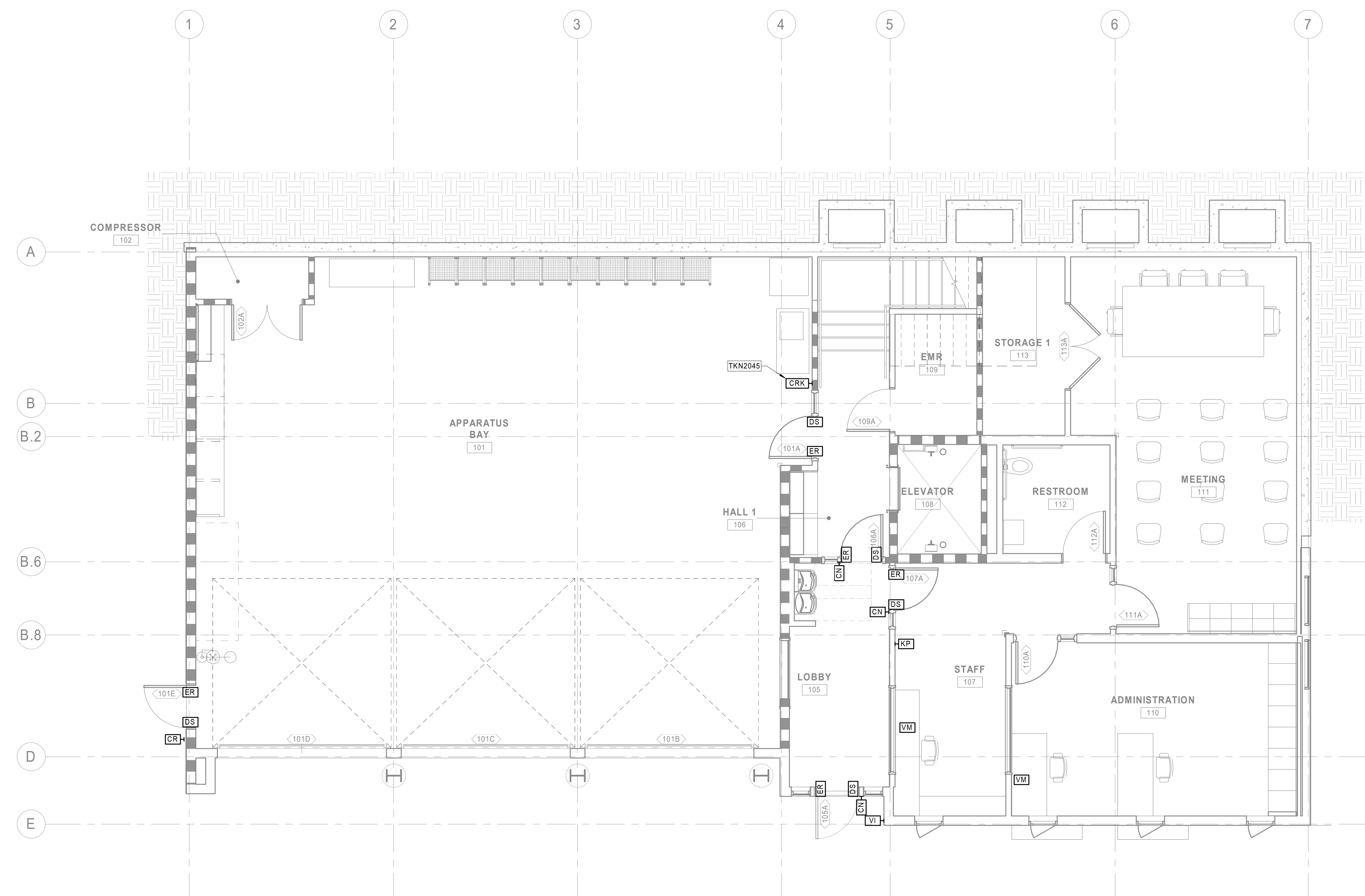
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| 100% | DESIGN DEVELOPMENT | 12/17/2021 |
|      | ISSUED FOR PERMIT  | 04/01/2021 |

JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
ELEC. SECURITY - GROUND FLOOR PLAN

TY202




1 ELEC. SECURITY - GROUND FLOOR PLAN  
1/4" = 1'-0"

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KEYNOTES  
 TKN2045 CONFIGURE THE READER TO PROVIDE ACCESS FOR A VALID FOB OR A VALID CODE.

**Smith, Fause & McDonald Inc.**  
 351 8th Street, San Francisco, CA 94103  
 (415) 255-9140 Fax (415) 255-9180  
 www.sfmi.com info@sfmi.com

STAMP  
  
 DATE 03/11/2021  
 RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2022

PROJECT ADDRESS  
 217 ARLINGTON AVE.  
 KENSINGTON, CA 94707

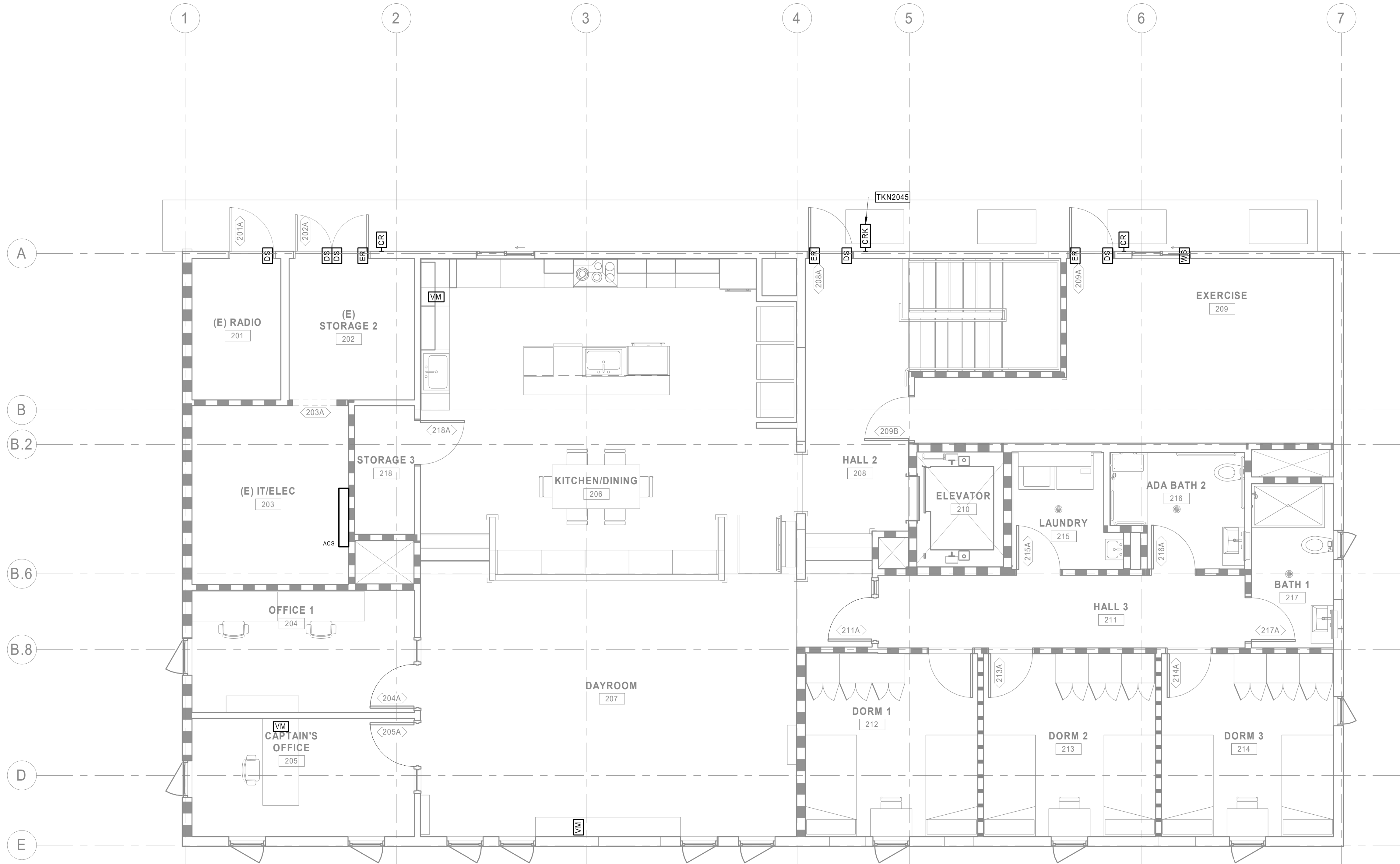
PROJECT TEAM  
 CLIENT: KENSINGTON FIRE PROTECTION DISTRICT  
 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064  
 ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA. 94117  
 CONTACT: KAREN MAR  
 T: (415) 522-0600  
 STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
 CONTACT: MATT FRANTZ  
 T: (650) 394-8869  
 CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200  
 GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
 CONTACT: CATHERINE ELLIS  
 T: (510) 879-4544  
 MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
 CONTACT: RON BLUE  
 T: (831) 373-4390  
 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140  
 ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

| NO.  | DESCRIPTION        | DATE       |
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| 100% | DESIGN DEVELOPMENT | 12/17/2021 |
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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 ELEC. SECURITY - SECOND FLOOR PLAN

 **TY204**




① ELEC. SECURITY - SECOND FLOOR PLAN  
 1/4" = 1'-0"

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PROJECT ADDRESS  
**217 ARLINGTON AVE.  
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PROJECT TEAM

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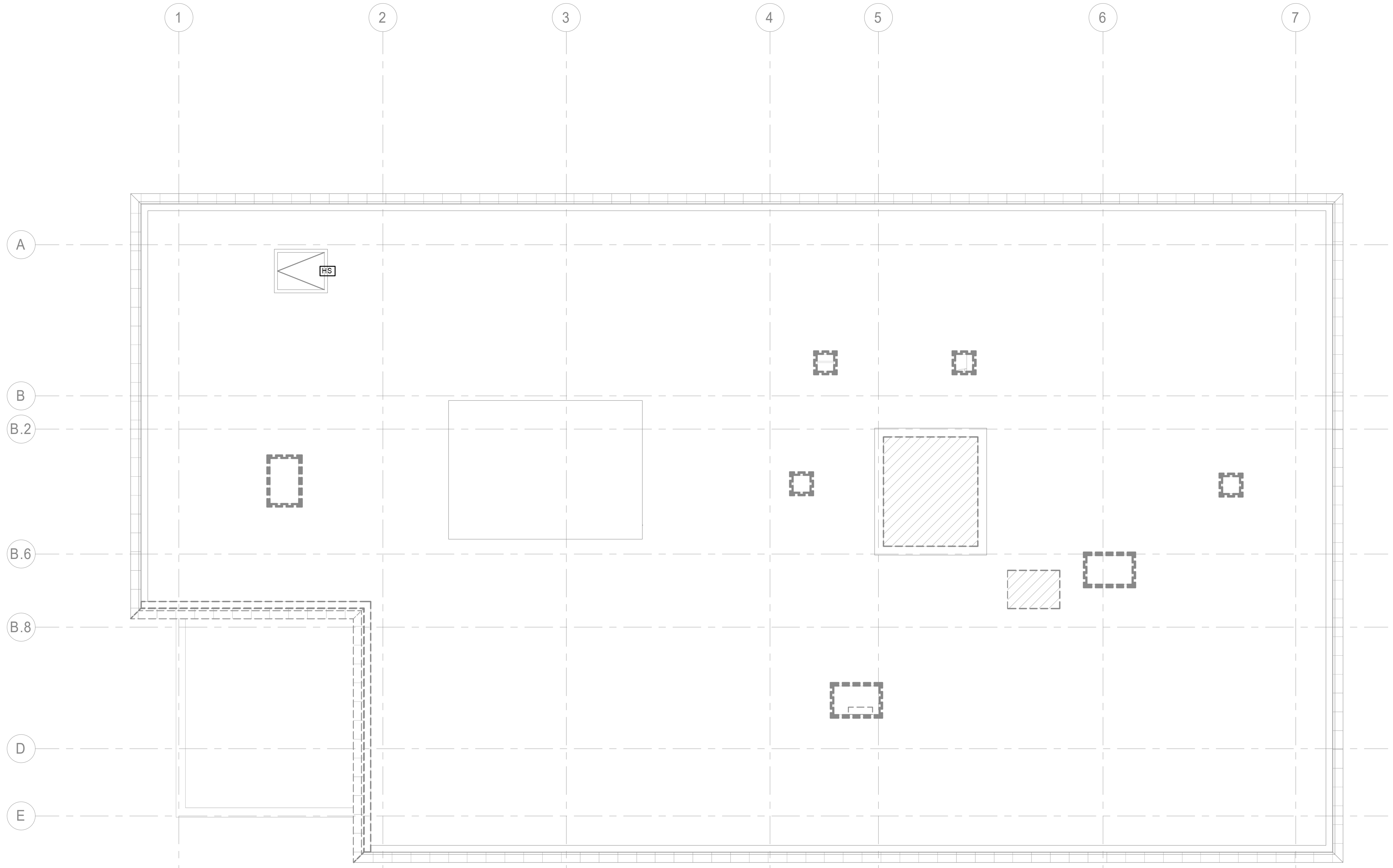
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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 ELEC. SECURITY - ROOF PLAN




① ELEC. SECURITY - ROOF PLAN  
 1/4" = 1'-0"



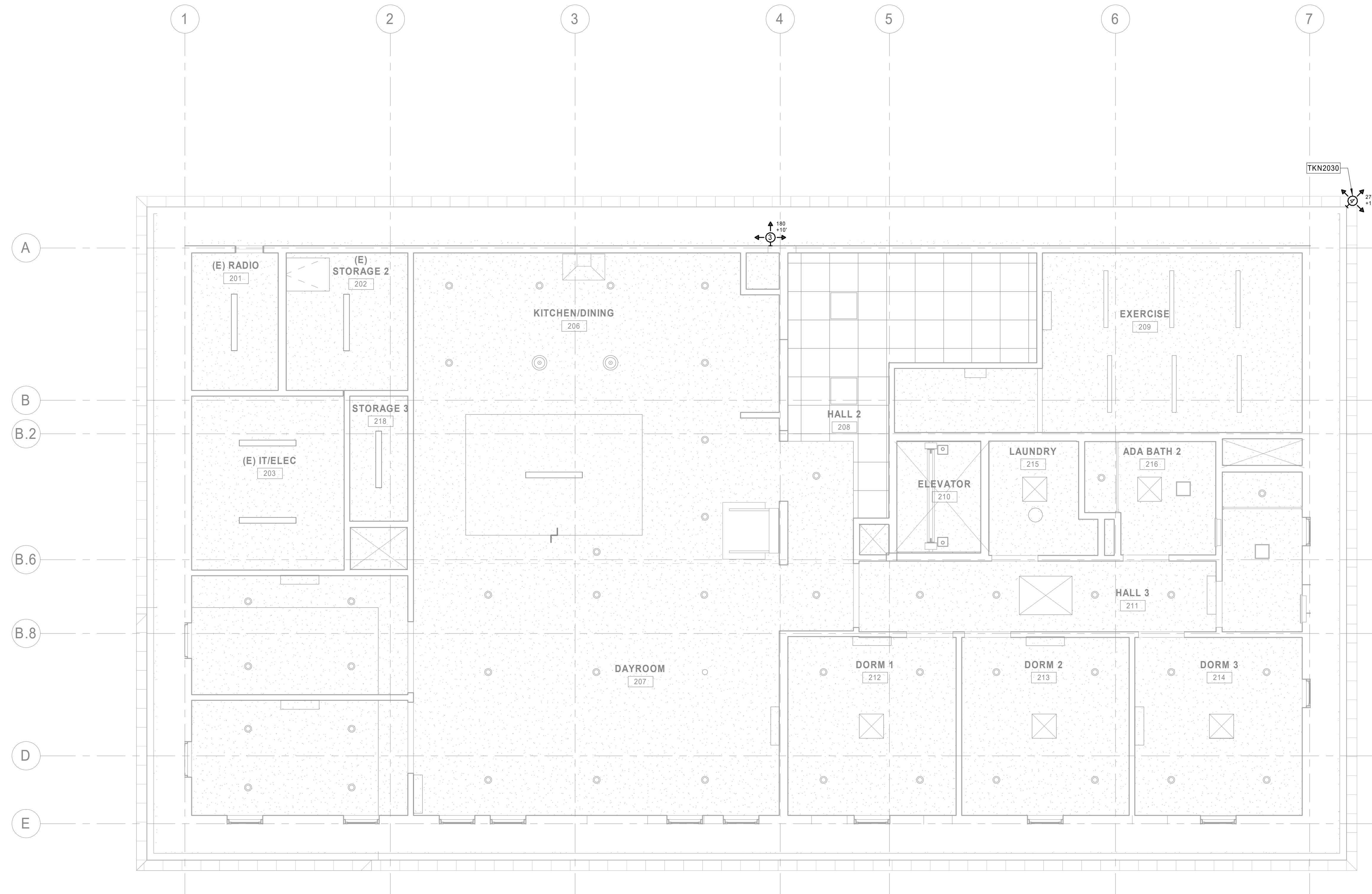
KEYNOTES  
 TKN2030 PROVIDE CORNER BRACKET TO HAVE A 270 DEGREE COVERAGE.

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① ELEC. SECURITY - SECOND FLOOR RCP  
 1/4" = 1'-0"

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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

DESCRIPTION  
 ELEC. SECURITY - SECOND FLOOR RCP

TY604

**SHEET NOTES**

1 FUNCTIONAL BLOCK DIAGRAMS ARE DIAGRAMMATIC. CONTRACTOR TO SUBMIT SHOP DRAWINGS INDICATING EXACT QTY AND LOCATION OF ACCESS CONTROLLERS AND RELATED HARDWARE REQUIRED TO MEET THE FUNCTIONAL REQUIREMENTS OF THE PROJECT.

**KEYNOTES**

- TKA ARCHITECTURAL: COMPLY WITH DIVISIONS 3 THROUGH 14 - SEE ARCHITECTURAL DRAWINGS.
- TKA1 DOOR POWER OPERATOR, WHERE OCCURS - REFER TO DOOR SCHEDULE AND DIVISION 8 SPECIFICATIONS.
- TKN TELECOMMUNICATIONS & ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISIONS 27 & 28.
- TKN1 PROVIDE AS MANY AS REQUIRED TO SUPPORT ALL END DEVICES AND SENSORS. REFER TO PLANS FOR QUANTITY.
- TKN2 NOT USED.
- TKN3 PROVIDE WIRE GAGE, SHIELDING, PAIR COUNT AND CONSTRUCTION AS REQUIRED TO SUIT DEVICE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. BRING ALL CONTACT POINTS BACK TO THE SECURITY ELECTRONICS TERMINAL ENCLOSURES AT THE IDF ROOMS - DO NOT LOOP OR DAISY CHAIN ANY FIELD DEVICES UNLESS THEY ARE SPECIFIED AS DIGITALLY ADDRESSABLE TYPE. PROVIDE JACKET TYPE IN CONFORMANCE WITH THE INSTALLATION CONDITIONS AND THE CALIFORNIA ELECTRIC CODE.
- TKN4 PLACE ALL SECURITY ELECTRONICS WIRING INSIDE TR'S AREA IN METALLIC RACEWAY FROM THE POINT OF ENTRY TO ROOM. WITHIN TR ROOM, PROTECT IN SURFACE MOUNTED GUTTER AT BACKBOARDS.
- TKN5 THE ADA DOOR OPERATOR/ACTUATOR SHALL BE CONTROLLED BY THE ACS CONTROLLER.
- TKN6 CAT 6 PATCH CORDS. PROVIDE QTY. AS REQUIRED.
- TKN7 MULTIMEDIA PLATE (BISCUIT BOX) BY FOR TERMINATION OF STATION CABLING. CONCEAL INSIDE ACS GUTTER.
- TKN8 PROVIDE POWER SUPPLY WITH 2-HR BATTERY BACKUP, AS SPECIFIED.
- TKN9 1 CAT 6 CABLE. REFER TO PLANS.
- TKN10 INPUT CLOSURE FROM FIRE ALARM PANEL. COORDINATE WITH THE CITY WHICH DOORS REQUIRE TO BE UNLOCKED.
- TKN11 WORK OF DIV. 27.

**SEQUENCE OF OPERATION**

- S01 IN THE NORMAL STATE, THE DOOR IS CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED FROM THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE AND BY DOOR HARDWARE FROM THE SECURED SIDE. THE REQUEST-TO-EXIST MICROSWITCH, OPERATED BY THE SECURED SIDE DOOR HARDWARE, WILL SHUNT THE ALARM. IF THE DOOR IS HELD PAST THE PRESET OPEN TIME OR IF THE DOOR IS LEFT OPEN OR IS FORCED OPEN, AN ALARM WILL BE SENT TO THE ELECTRONIC SYSTEM NETWORK UNTIL THE DOOR IS CLOSED. IF THE DOOR IS OPENED FROM THE UNSECURED SIDE WITH A KEY, A DOOR FORCED ALARM WILL BE GENERATED.
- S02 AFTER OFFICE HOURS, THE HANDICAP DOOR OPERATOR (DO) AT THE UNSECURED SIDE WILL BE NON-OPERATIONAL UNLESS A VALID ACCESS CARD IS PRESENTED TO THE CARD READER AFTER WHICH, PRESSING THE HANDICAP DOOR OPERATOR WILL UNLOCK AND OPEN THE DOOR.

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DATE 03/11/2021

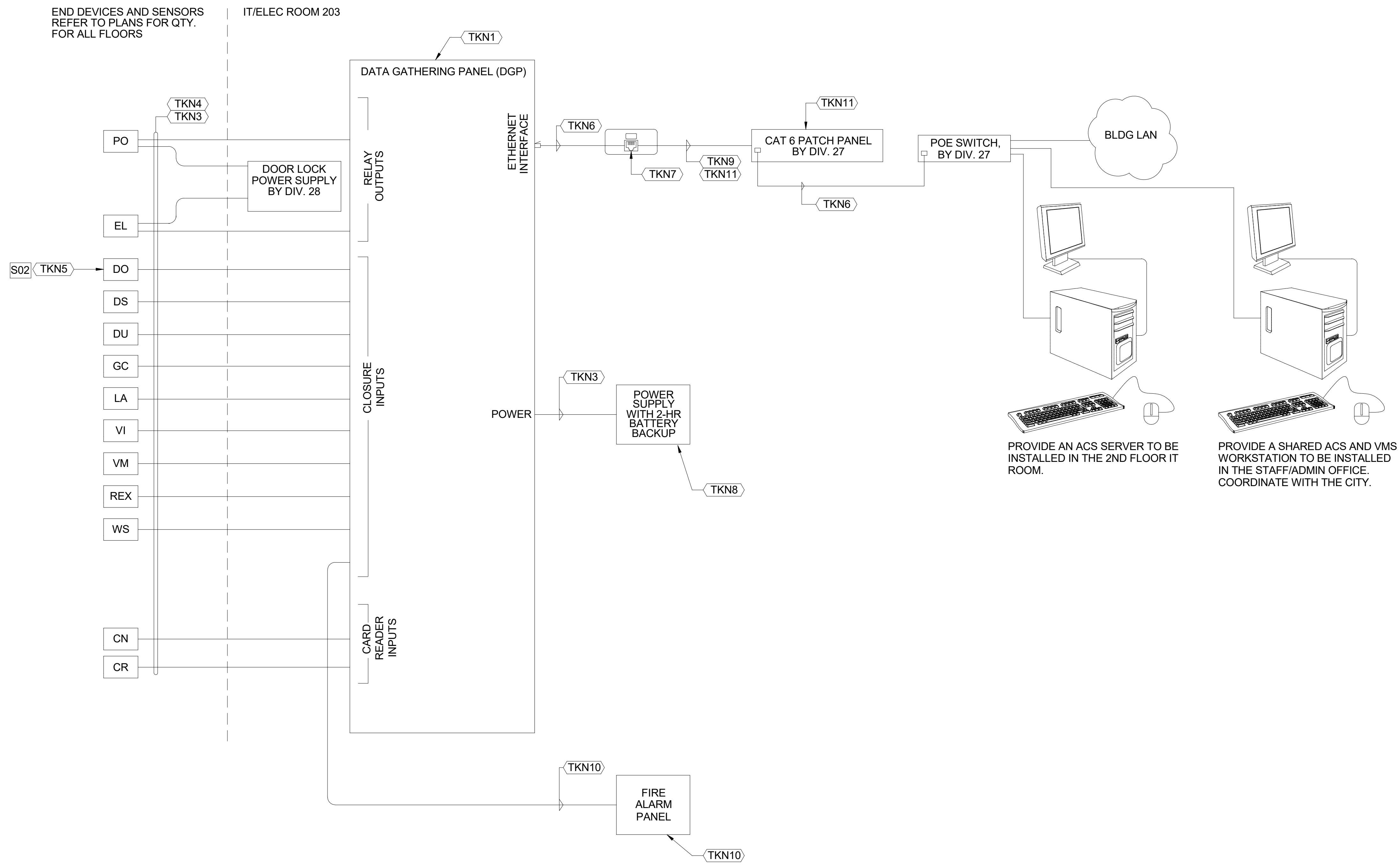
PROJECT ADDRESS  
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 KENSINGTON, CA 94707**

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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT  
 PUBLIC SAFETY BUILDING

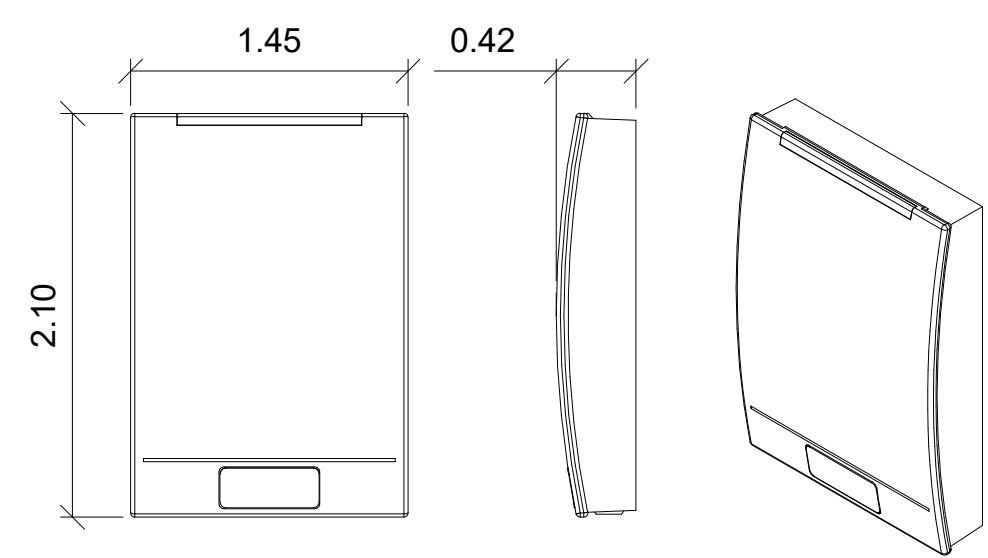
DESCRIPTION  
 ACCESS CONTROL AND IDS SINGLE LINE  
 DIAGRAM



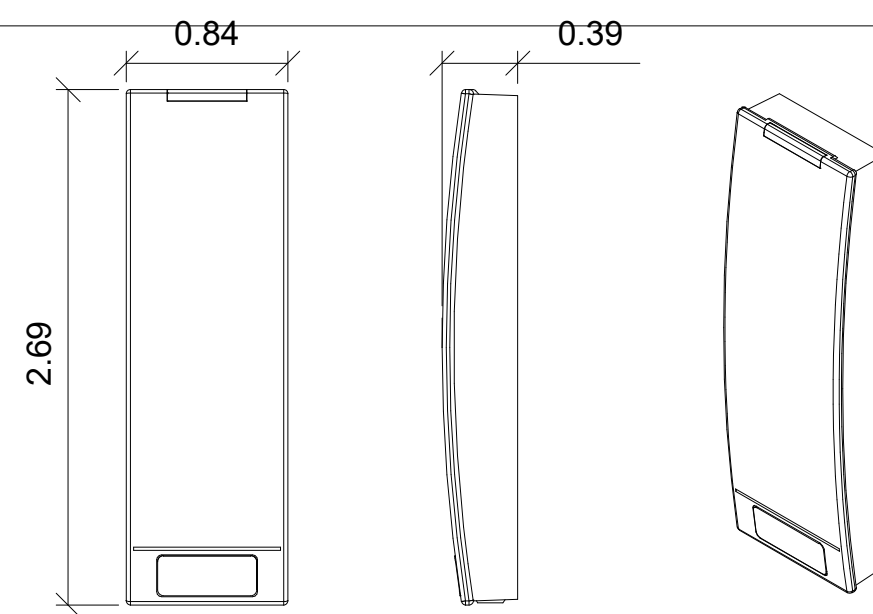
**1 ACCESS CONTROL AND IDS SINGLE LINE DIAGRAM**  
 NTS 1 S01 S02

END DEVICES AND SENSORS REFER TO PLANS FOR QTY. FOR ALL FLOORS

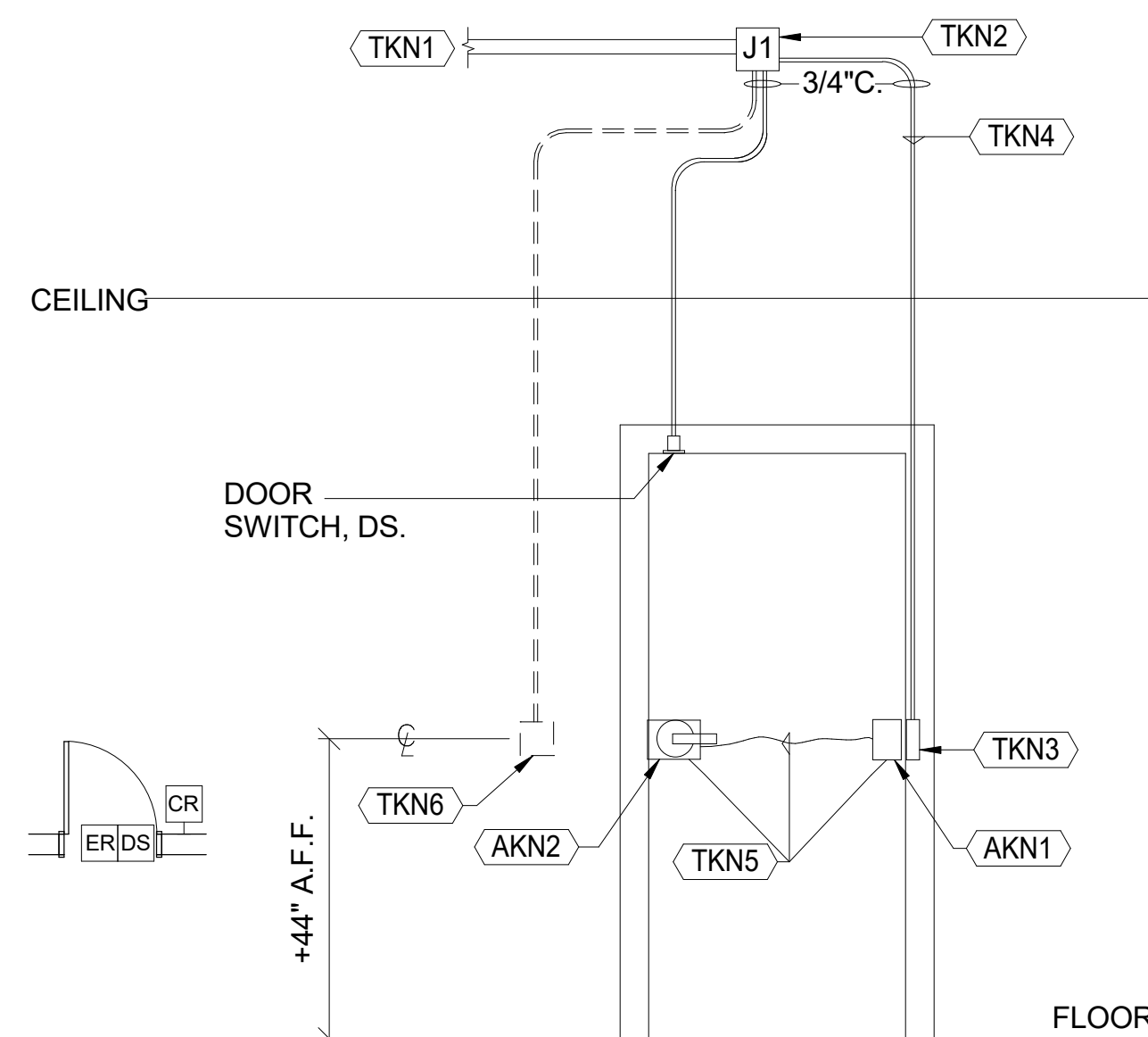
IT/ELEC ROOM 203



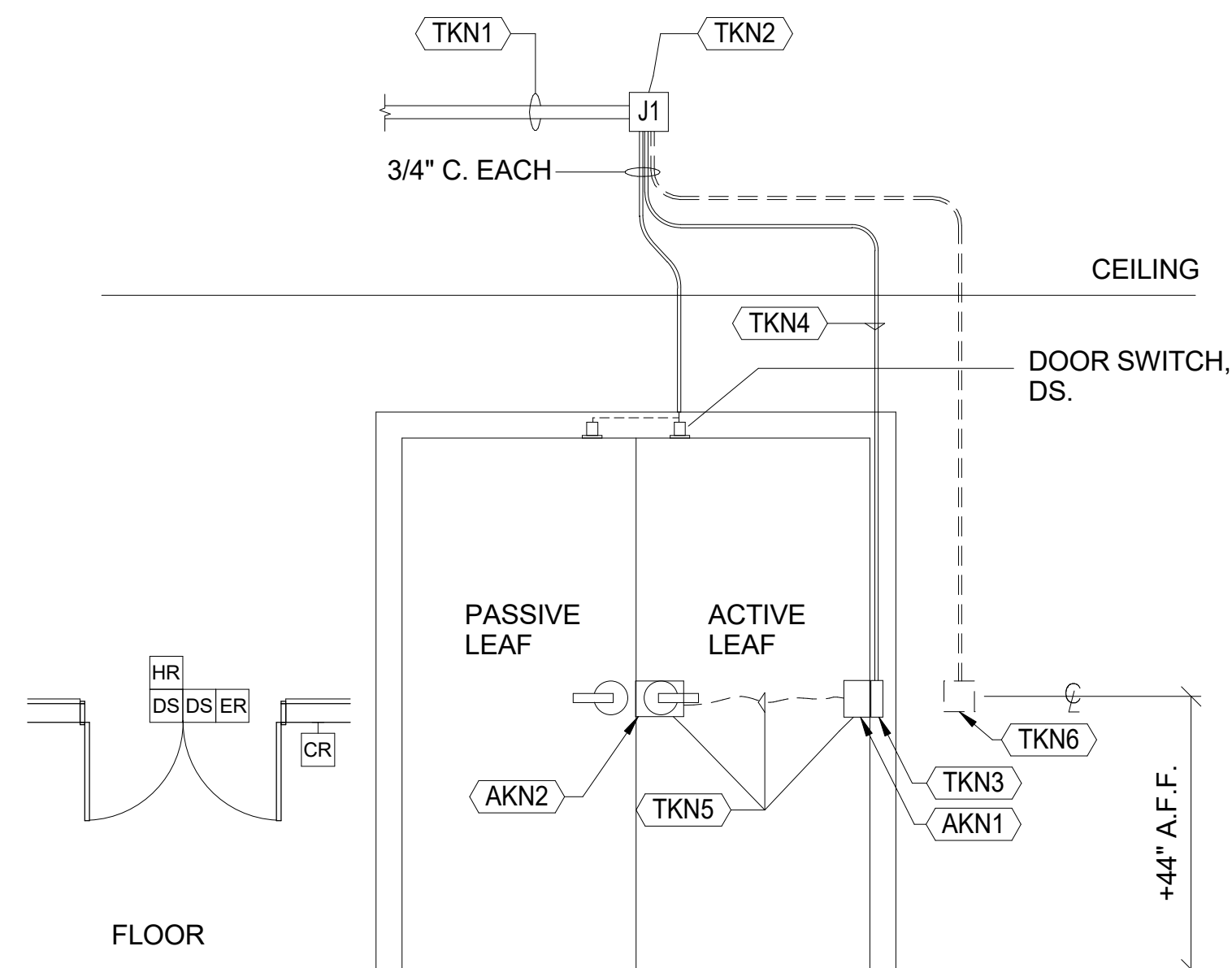
**1 CARD READER - TYPE CR** NTS



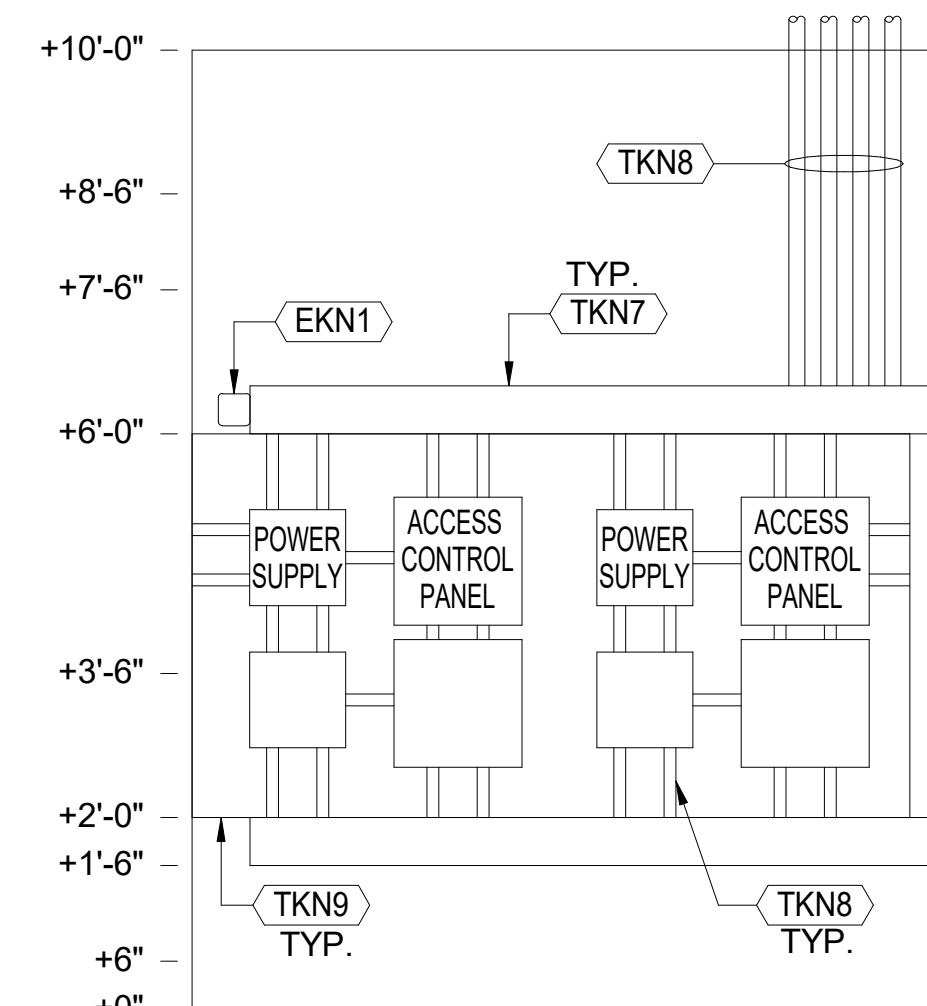
**2 CARD READER - TYPE CN** NTS



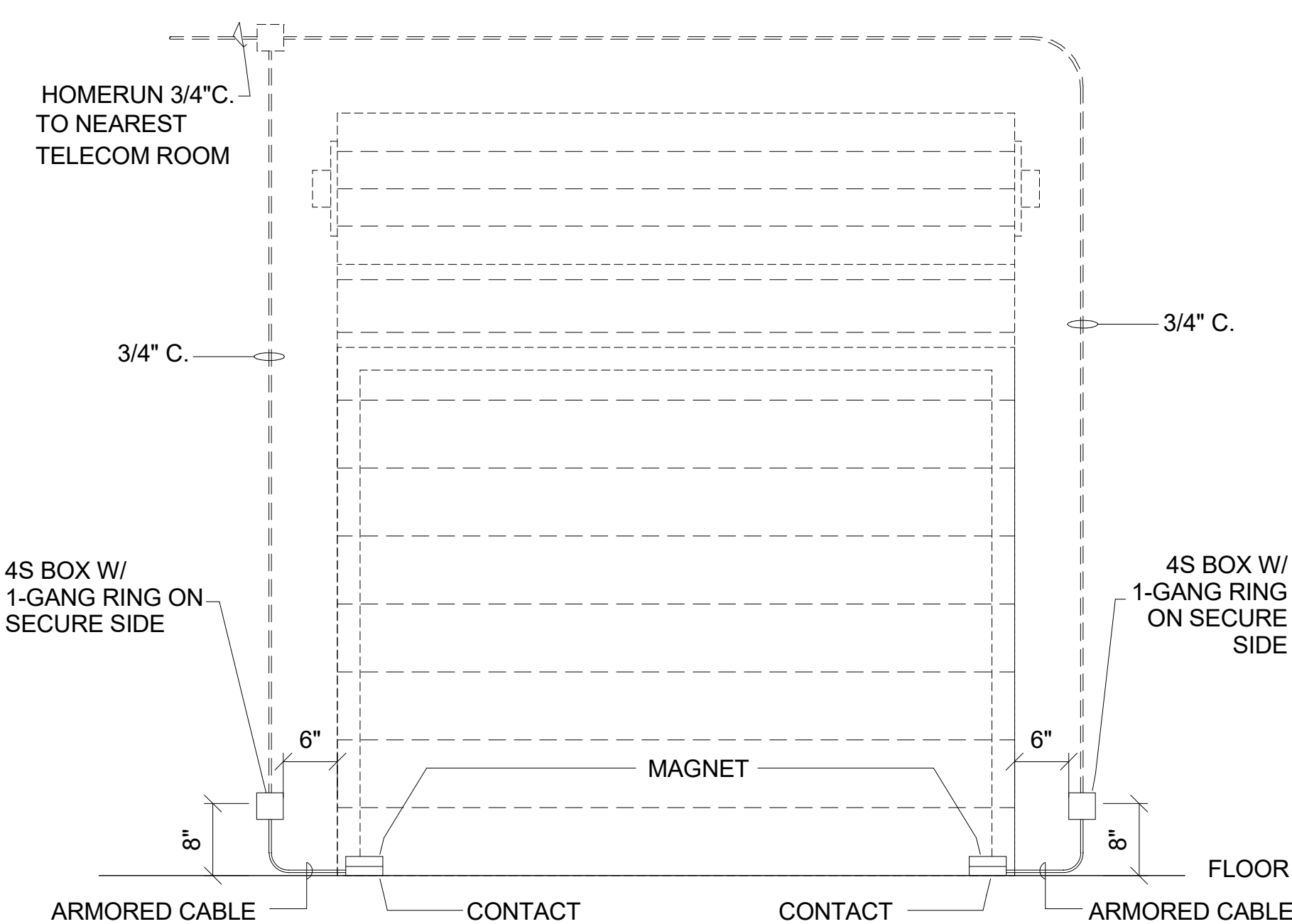
**3 TYPICAL ACCESS CONTROLLED SINGLE DOOR ELEVATION, DOOR HARDWARE EXIT ALARM SUPPRESSION** VIEW FROM SECURE SIDE, CEILING ACCESS NTS



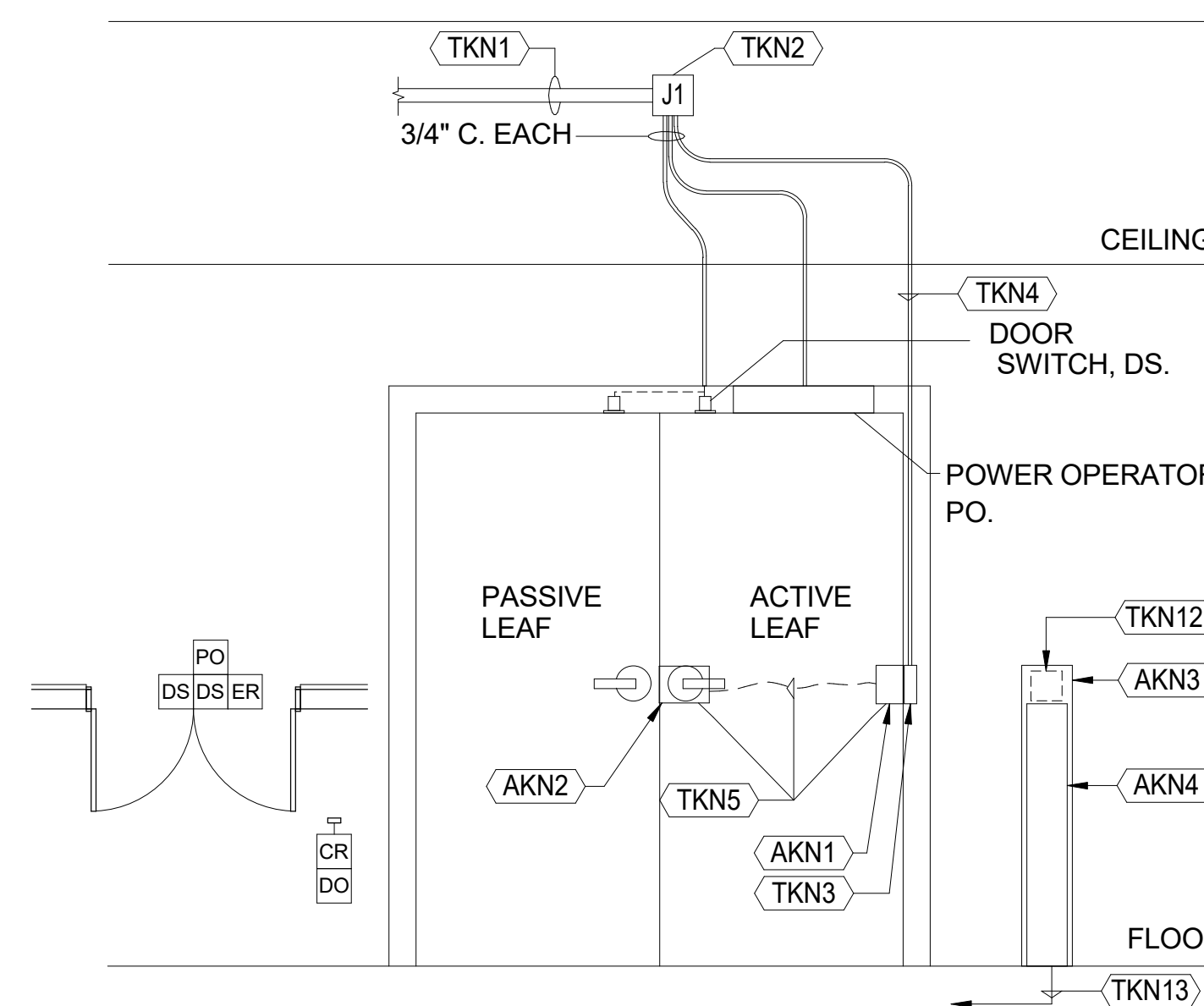
**4 TYPICAL ACCESS CONTROLLED DOUBLE DOOR OPENING, WALL MOUNT CARD READER, DOOR HARDWARE EXIT ALARM SUPPRESSION** VIEW FROM SECURE SIDE, CEILING ACCESS NTS



**5 ACS ELEVATION** VIEW FROM SECURE SIDE, CEILING ACCESS NTS



**6 DU - OVERHEAD DOOR POSITION SWITCH** VIEW FROM SECURE SIDE, CEILING ACCESS NTS



**7 TYPICAL ACCESS CONTROLLED DOUBLE DOOR OPENING, PEDESTAL MOUNT CARD READER, DOOR HARDWARE EXIT ALARM SUPPRESSION** VIEW FROM SECURE SIDE, CEILING ACCESS NTS

**SHEET NOTES**

- NOT EVERY DOOR CONDITION IS DEPICTED. REFER TO THE FLOOR PLANS FOR THE DEVICES REQUIRED AT EACH OPENING AND PROVIDE ROUGH-IN AS REQUIRED BASED ON SIMILAR ASSEMBLIES DETAILED ON THE TY SHEETS.
- AT ACCESSIBLE CEILING CONDITIONS, SUPPORT ELECTRONIC SECURITY CABLING ON CABLE HOOKS OR BASKET TRAYS.
- WHERE ESS SIGNAL CABLING IS CONSOLIDATED WITH A NETWORK OF CONDUITS AND PULL BOXES, MAINTAIN 40% MAXIMUM FILL.
- HORIZONTAL ARRANGEMENT OF DEVICES MAY VARY - REFER TO THE FLOOR PLANS FOR THE REQUIRED ARRANGEMENTS. CARD READERS SHOULD GENERALLY BE PLACED ADJACENT TO THE DOOR HANDLE OF THE ACCESS CONTROLLED DOOR. REFER TO THE DIVISION 8 HW SCHEDULES AND THE APPROVED DIVISION 8 SUBMITTALS TO DETERMINE WHETHER EL OR ES ARE USED AT EACH OPENING.

**KEYNOTES**

- AKN ARCHITECTURAL. WORK OF DIVISIONS 8.
- AKN1 TRANSFER HINGE WITH 2 PR CONDUCTORS MIN.
- AKN2 ER - DOOR HANDLE OR PANIC HARDWARE WITH MECHANICAL LOCK AND INTEGRAL ALARM SUPPRESSION MICRO-SWITCH TO DETECT OPERATION OF DOOR FROM SECURE SIDE.
- AKN3 ARCHITECTURAL PEDESTAL - WHERE OCCURS, SEE PLANS.
- AKN4 DO - POWERED DOOR OPERATOR SWITCH MOUNTED TO PEDESTAL OR WALL ON BOTH SECURE AND UN-SECURE SIDES OF OPENING. WIRED TO DGP BY DIVISION 28.
- EKN1 PROVIDE TWO DEDICATED 20A CKT., 120V HARDWIRED FOR ACCESS CONTROL SYSTEM POWER.
- TKN ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISION 28.
- TKN1 EXTEND 1.25" MIN C. TO THE NEAREST TELECOM ROOM.
- TKN2 LOCATE ABOVE DOOR AT SECURED ACCESSIBLE CEILING CONDITIONS. AT GYP CEILING CONDITIONS, LOCATE REMOTELY AT NEAREST UTILITY SPACE.
- TKN3 PROVIDE MUD BOX INSIDE DOOR FRAME AT GROUTED DOOR ASSEMBLIES.
- TKN4 STUB CONDUIT INSIDE DOOR FRAME TO ABOVE THE MIDDLE HINGE OPPOSITE DOOR HANDLE/EL/ER/ES/PANIC HW. MEASURE DOOR ON SITE. COORDINATE SIDE OF DOOR SCHEDULED TO RECEIVE ACTIVE DOOR HARDWARE, INCLUDING EL OR ES WITH WORK OF DIVISION 8
- TKN5 DOOR HARDWARE (DOOR HANDLE, ES, EL, ER, AND/OR PHR AS APPLIES) AND TRANSFER HINGE FURNISHED AND INSTALLED UNDER THE WORK OF DIVISION 8. WORK OF DIVISION 28 WIRES LOCKING HARDWARE VIA TRANSFER HINGE AND PROVIDES WIRING AND PATHWAY BACK TO DGP.
- TKN6 WALL OR PEDESTAL MOUNTED CARD READER WITH 4S BOX AND 1 GANG RING INSTALLED FACING UN-SECURE SIDE OF DOOR. REFER TO PLANS FOR LEFT OR RIGHT SIDE PLACEMENT.
- TKN7 PROVIDE 6"X6" METALLIC WIREWAY/GUTTER.
- TKN8 PROVIDE MULTIPLE 1"C. AND 2"C. AS REQUIRED.
- TKN9 PROVIDE 3/4" THICK FIRE RESISTANT TREATED PLYWOOD BACKBOARD. PROVIDE AS MANY AS SHOWN ON PLAN. PAINT COLOR WHITE TRIM TO FIT. LEAVE ONE FIRE RATING STAMP PER SHEET OF PLYWOOD UNPAINTED.
- TKN10 FUTURE WALL OR PEDESTAL MOUNTED CARD READER WITH 4S BOX AND 1 GANG RING INSTALLED FACING UN-SECURE SIDE OF DOOR. REFER TO PLANS FOR LEFT OR RIGHT SIDE PLACEMENT.
- TKN11 EXTEND 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
- TKN12 CARD READER MOUNTED TO WALL OR PEDESTAL AT POWER DOOR OPERATOR ENABLED ENTRIES ON UN-SECURE SIDE.
- TKN13 PROVIDE 1" C. TO NEAREST IDF ROOM.



STAMP

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER

RAY ENRIQUEZ  
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EXPIRES 12/31/2022

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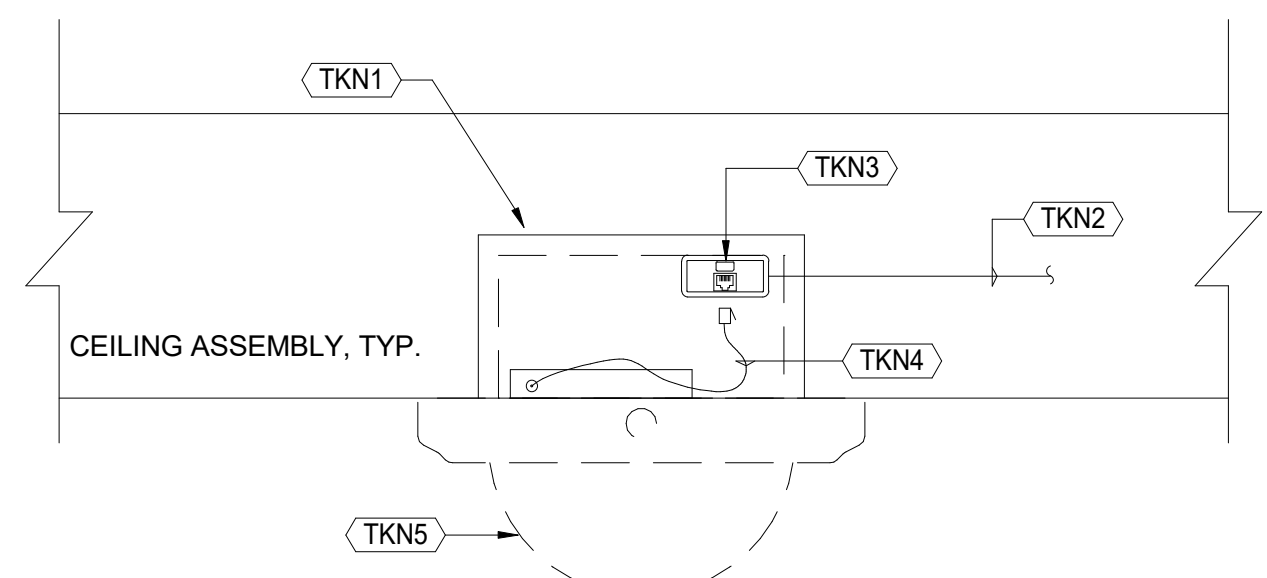
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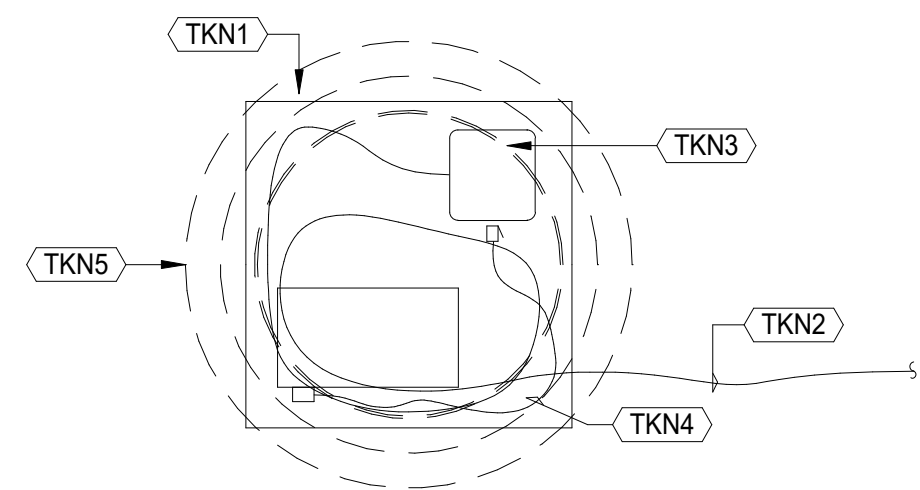
JOB NO.  
0000 KENSINGTON FIRE PROTECTION DISTRICT  
PUBLIC SAFETY BUILDING

DESCRIPTION  
DETAILS - ELECTRONIC SECURITY SYSTEMS  
ACCESS CONTROL

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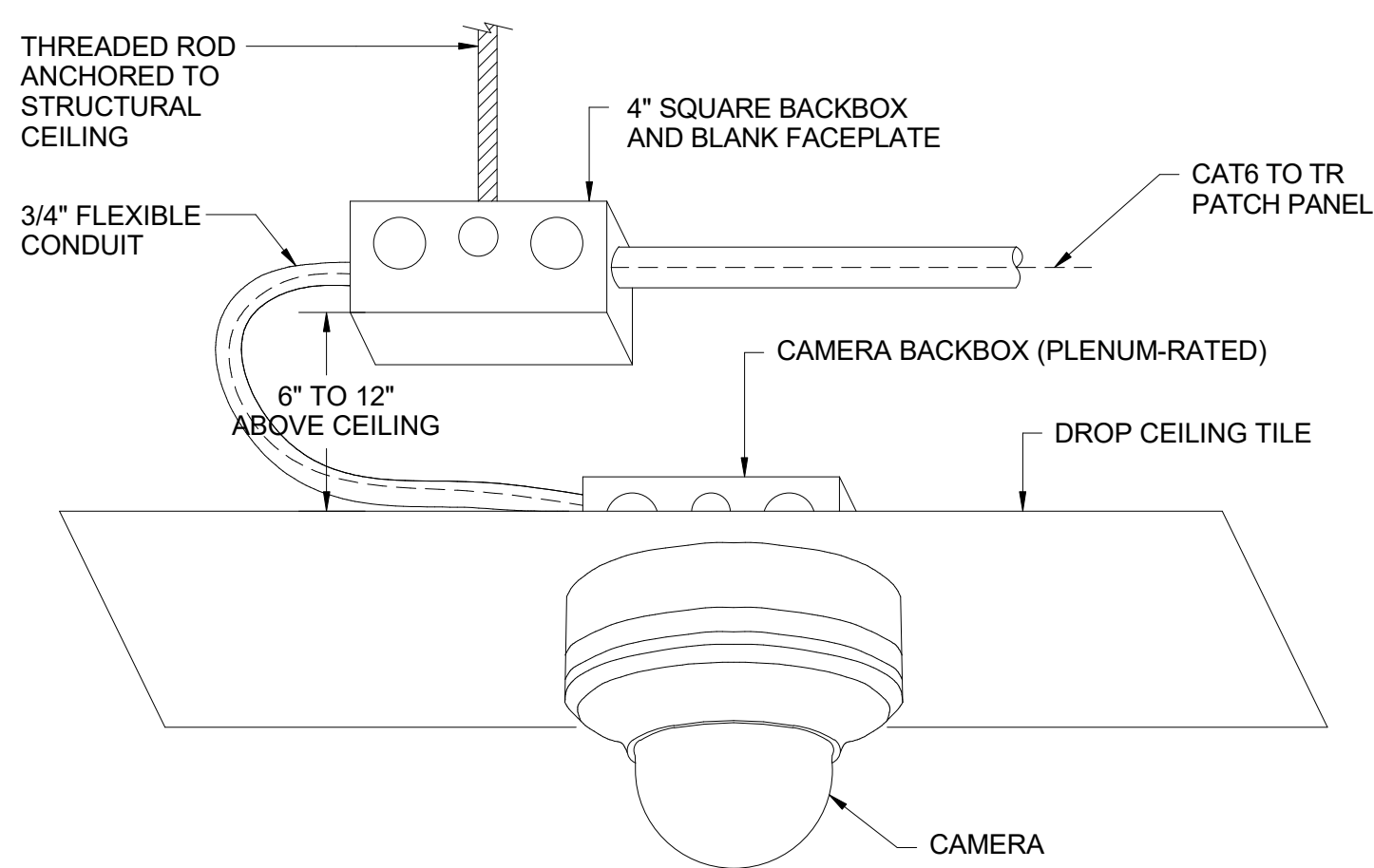
**1A SIDE VIEW** NTS



**1B TOP VIEW** NTS

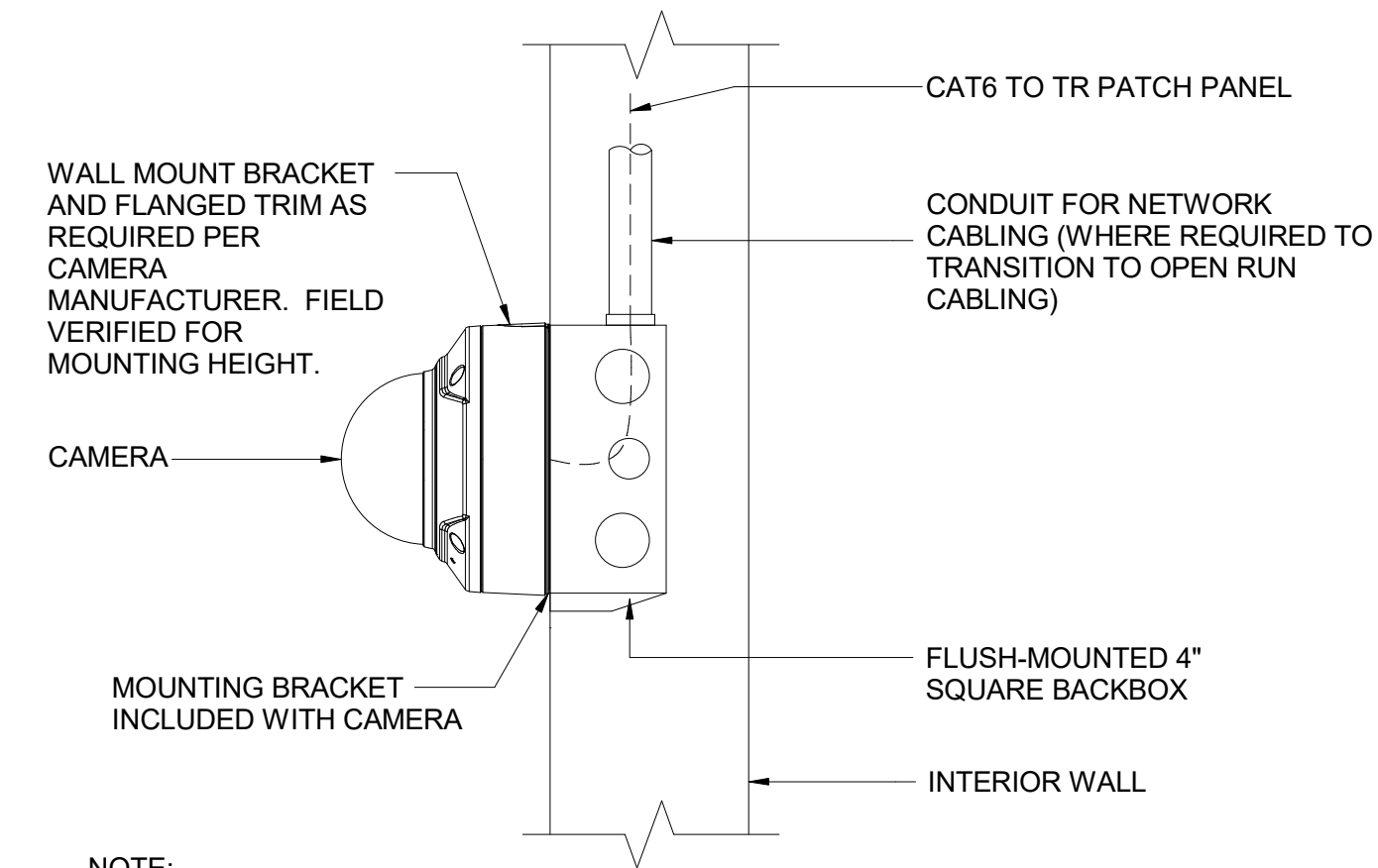
**1 IP CAMERA WIRING DETAIL**

CATEGORY MEDIA STATION CABLING TO IP CAMERAS TO TERMINATE AT PERMANENT ENCLOSURE/JACK ASSEMBLY, AND A PATCH CORD SHALL BE USED TO MAKE THE CONNECTION FROM THE PERMANENTLY INSTALLED JACK TO THE CAMERA.



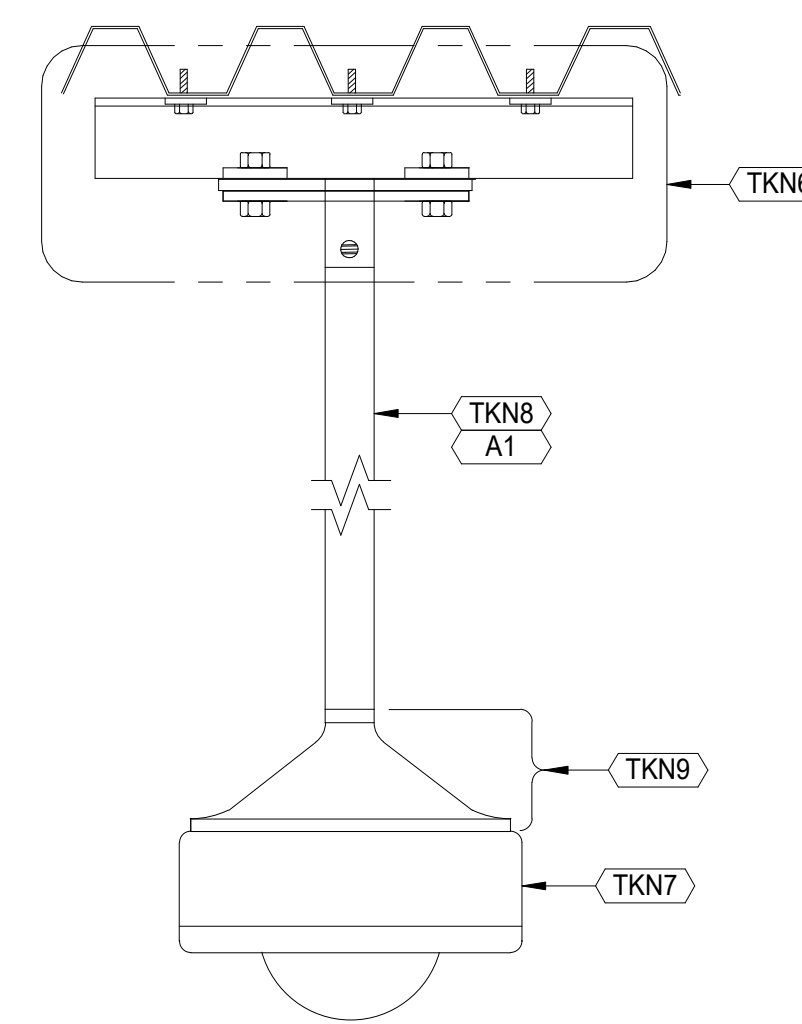
**NOTES:**  
 1) CAMERAS AND CONDUIT SHALL BE INDEPENDENTLY SUPPORTED AND SHALL NOT RELY ON CEILING SYSTEM CABLE SUPPORTS, FRAME OR TILES FOR SUPPORT.  
 2) WHERE CEILING-MOUNTED CAMERAS ARE TO BE INSTALLED ON CEILING TILES, THEY SHALL BE CENTERED ON THE TILE IN BOTH DIRECTIONS.

**3 DOME CAMERA DROP CEILING MOUNT TYP.** NTS

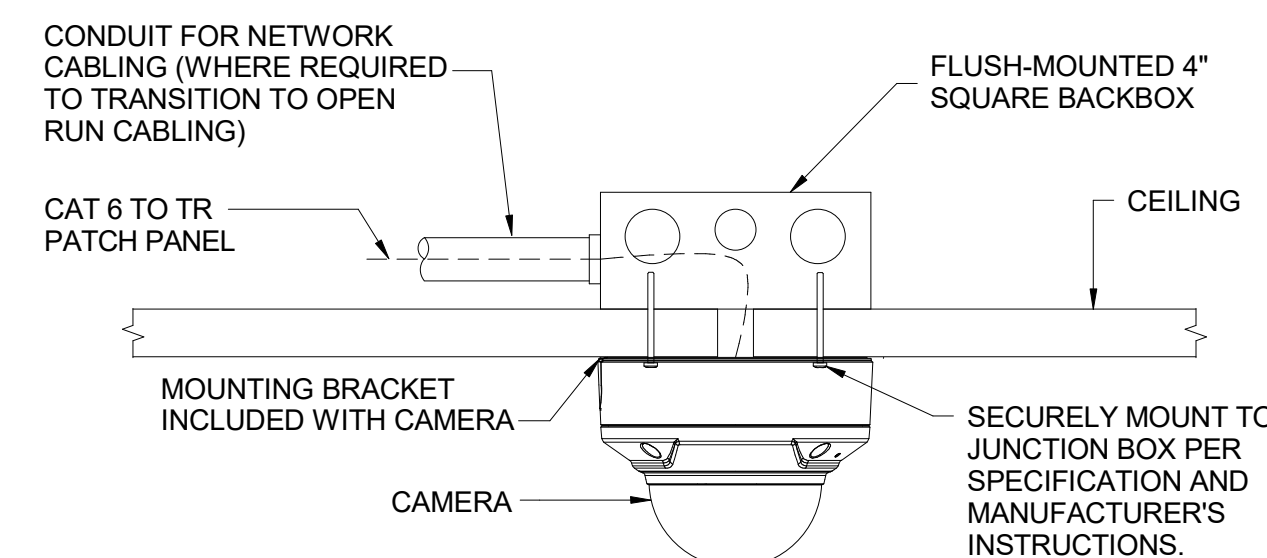


**NOTE:**  
 1) CAMERA SHALL BE INDEPENDENTLY FASTENED TO THE WALL VIA BACKBOX USING MANUFACTURER RECOMMENDED MOUNTING HARDWARE.

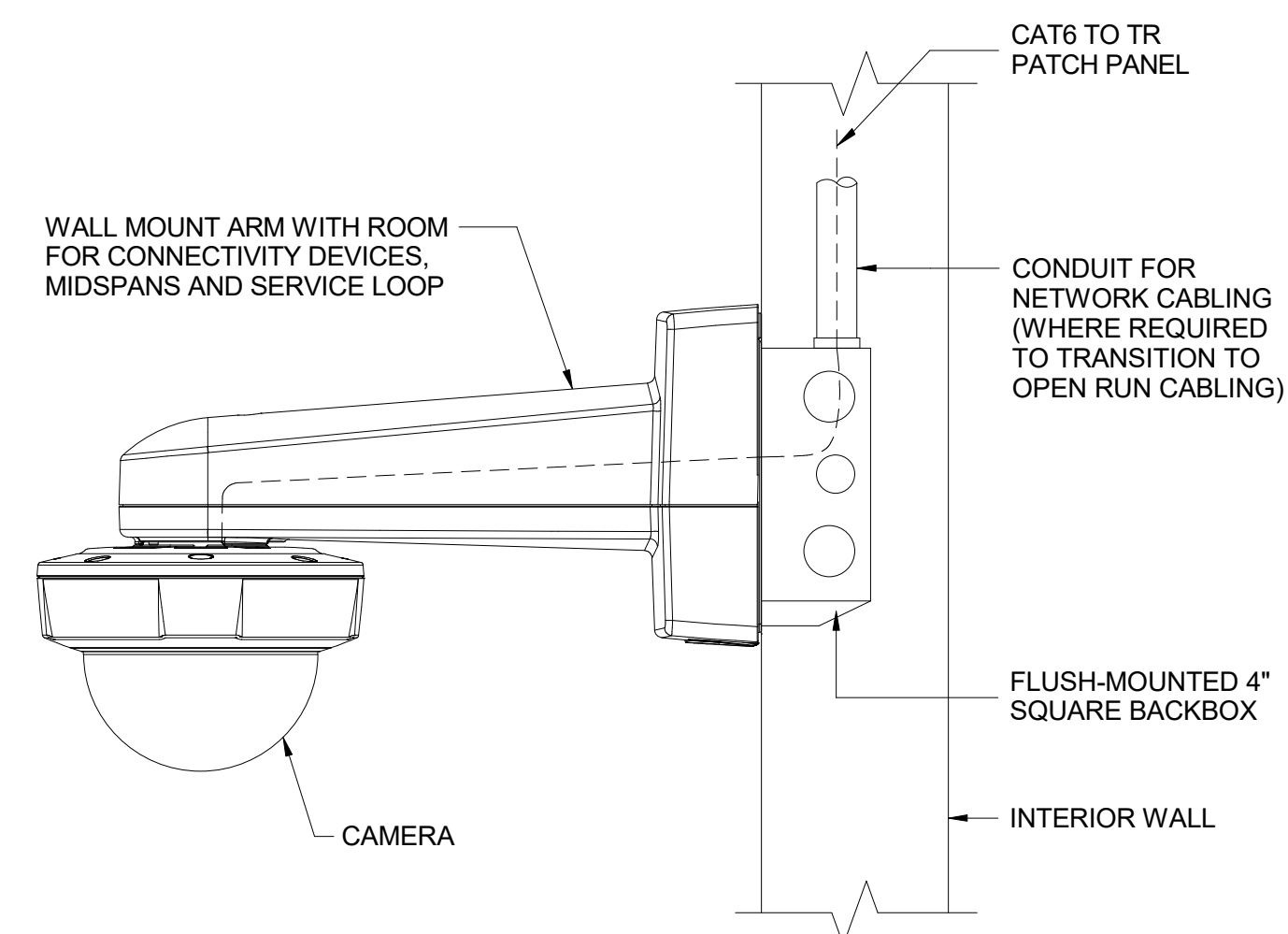
**4 DOME CAMERA WALL SURFACE MOUNT TYP.** NTS



**2 IP CAMERA PENDANT MOUNT** NTS  
 INTERIOR CEILING/STRUCTURE MOUNTED.

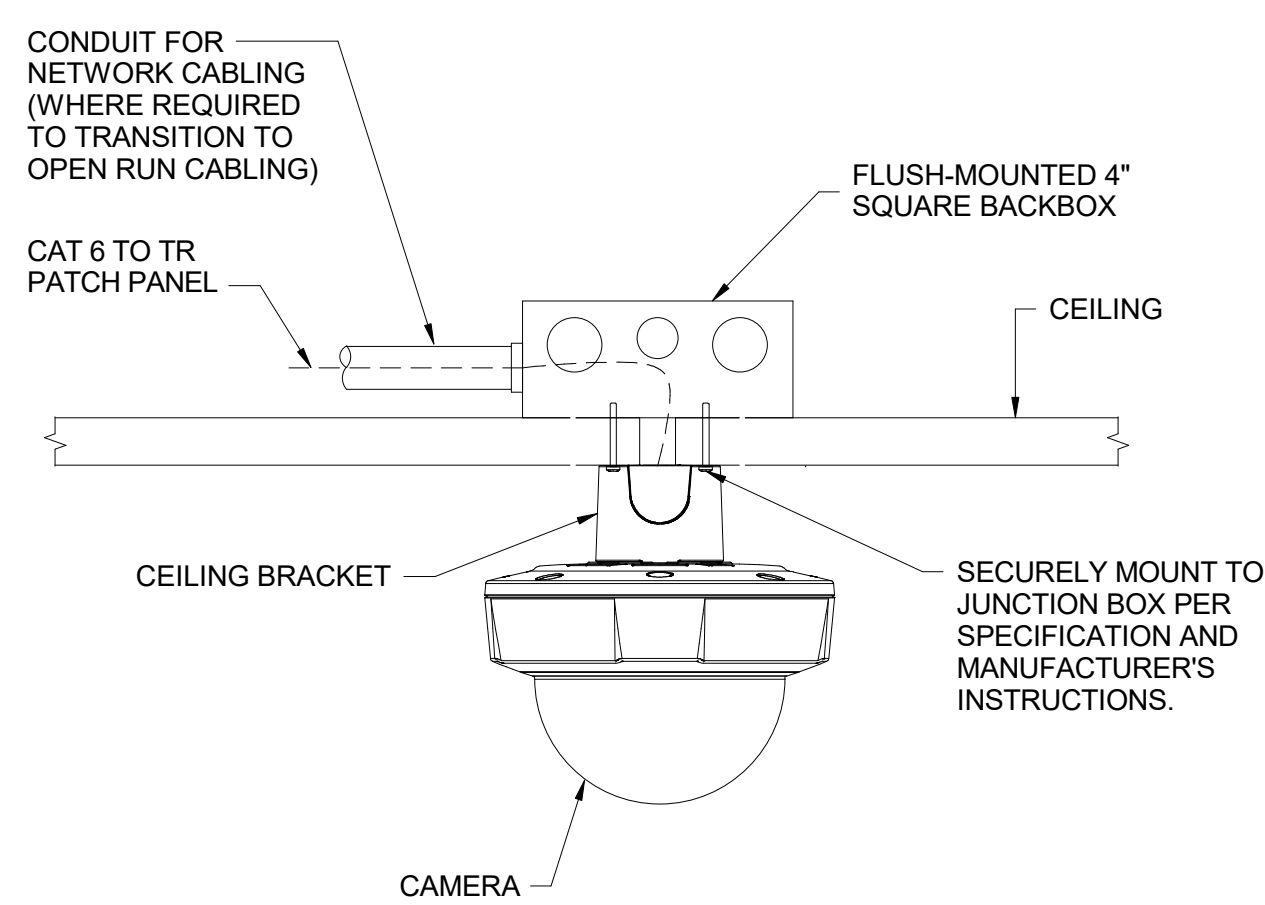


**5 DOME CAMERA CEILING MOUNT TYP.** NTS



**NOTE:**  
 1) FOR EXTERIOR CAMERA USE INCLUDED WEATHERPROOF HOUSING.

**6 180° CAMERA WALL ARM MOUNT TYP.** NTS



**7 180° CAMERA CEILING MOUNT TYP.** NTS

| KEYNOTES |   |
|----------|---|
| A        | ARCHITECTURAL. WORK OF DIVISIONS 3-14.  |
| A1       | PAINT AS DESCRIBED/REQUIRED IN DIVISION 9   |
| TN       | ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISION 28.   |
| TKN1     | 4S TYPE ELECTRICAL BACKBOX EQUAL TO RANDL INDUSTRIES T-55017 WHERE SURFACE MOUNT OF IP CAMERA TO FLUSH MOUNT BACKBOX WITH INTEGRAL STRUCTURED CABLING BISCUIT BOX REQUIRED. PROVIDE EXTERIOR GRADE BOX AT EXTERIOR CONDITIONS AS REQUIRED BY SECTION 28 05 28 - PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY |
| TKN2     | CATEGORY 6 STATION CABLING BY DIVISION 27.  |
| TKN3     | SMALL FORM FACTOR MULTIMEDIA ENCLOSURE SUITABLE FOR SURFACE MOUNTING WITH INTEGRAL UNIVERSITY STANDARD CATEGORY 6 JACK FOR TERMINATION OF STATION CABLING.  |
| TKN4     | CATEGORY SIX PATCH CORD PROVIDE LENGTH AS REQUIRED. WHERE CAMERA IS MOUNTED TO BACKBOX, COIL INSIDE BACKBOX.  |
| TKN5     | SURFACE MOUNT IP CAMERA SUPPORTED FROM FLUSH MOUNTED BACKBOX.   |
| TKN6     | PROVIDE EQUAL TO CHIEF MANUFACTURING CMA110, 8" X 8" STEEL PLATE CEILING PLATE FITTING WITH 1" NPT PIPE THREAD ADAPTER.   |
| TKN7     | IP SECURITY CAMERA.   |
| TKN8     | 1" NPT PIPE THREADED FOR PENDENT MOUNTING FROM STRUCTURE ABOVE.   |
| TKN9     | PENDANT MOUNT ADAPTER - SONY UNIMDPDH120 OR EQUAL.  |



STAMP

DATE 03/11/2021  
 RAY ENRIQUEZ  
 REGIS. NO. 106011  
 EXPIRES 12/31/2022

PROJECT ADDRESS  
**217 ARLINGTON AVE.  
 KENSINGTON, CA 94707**

PROJECT TEAM

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 217 ARLINGTON AVE  
 KENSINGTON, CA 94707  
 CONTACT: BILL HANSELL  
 T: (415) 378-9064

ARCHITECT: MARJANG ARCHITECTURE  
 930 COLE STREET STE 101  
 SAN FRANCISCO, CA. 94117  
 CONTACT: KAREN MAR  
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 1390 EL CAMINO REAL STE 100  
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 CONTACT: MATT FRANTZ  
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CIVIL: BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
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GEOTECH: HALEY ALDRICH  
 1956 WEBSTER ST #300  
 OAKLAND, CA 94612  
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MEP: LIST ENGINEERING CO.  
 2 HARRIS CT STE A7  
 MONTEREY, CA 93940  
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AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
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 T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE. #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

| NO.  | DESCRIPTION        | DATE       |
|------|--------------------|------------|
| 100% | DESIGN DEVELOPMENT | 12/17/2021 |
|      | ISSUED FOR PERMIT  | 04/01/2021 |
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JOB NO.  
 0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION  
 DETAILS - ELECTRONIC SECURITY SYSTEMS VIDEO SURVEILLANCE SYSTEMS

**TY902**