KENSINGTON PUBLIC SAFETY BUILDING

50% DESIGN DEVELOPMENT



217 Arlington Avenue KENSINGTON, CA 94707

50% DESIGN DEVELOPMENT NOVEMBER 19TH, 2021 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

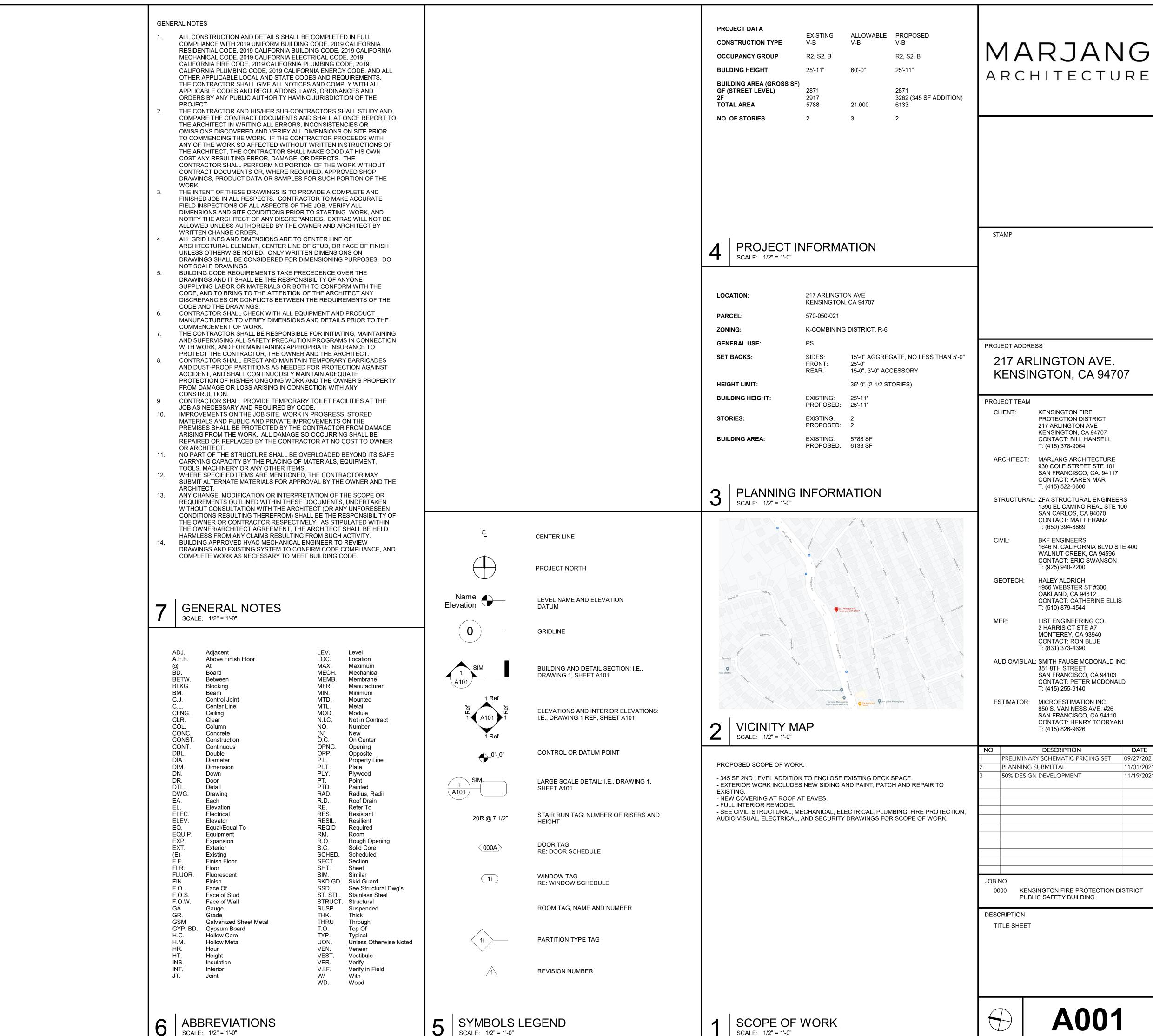
HALEY ALDRICH 1956 Webster Street, #300, Oakland CA 94612 (510) 879-4544

SPECIAL SYSTEMS, SECURITY, & ACOUSTICAL ENGINEERING

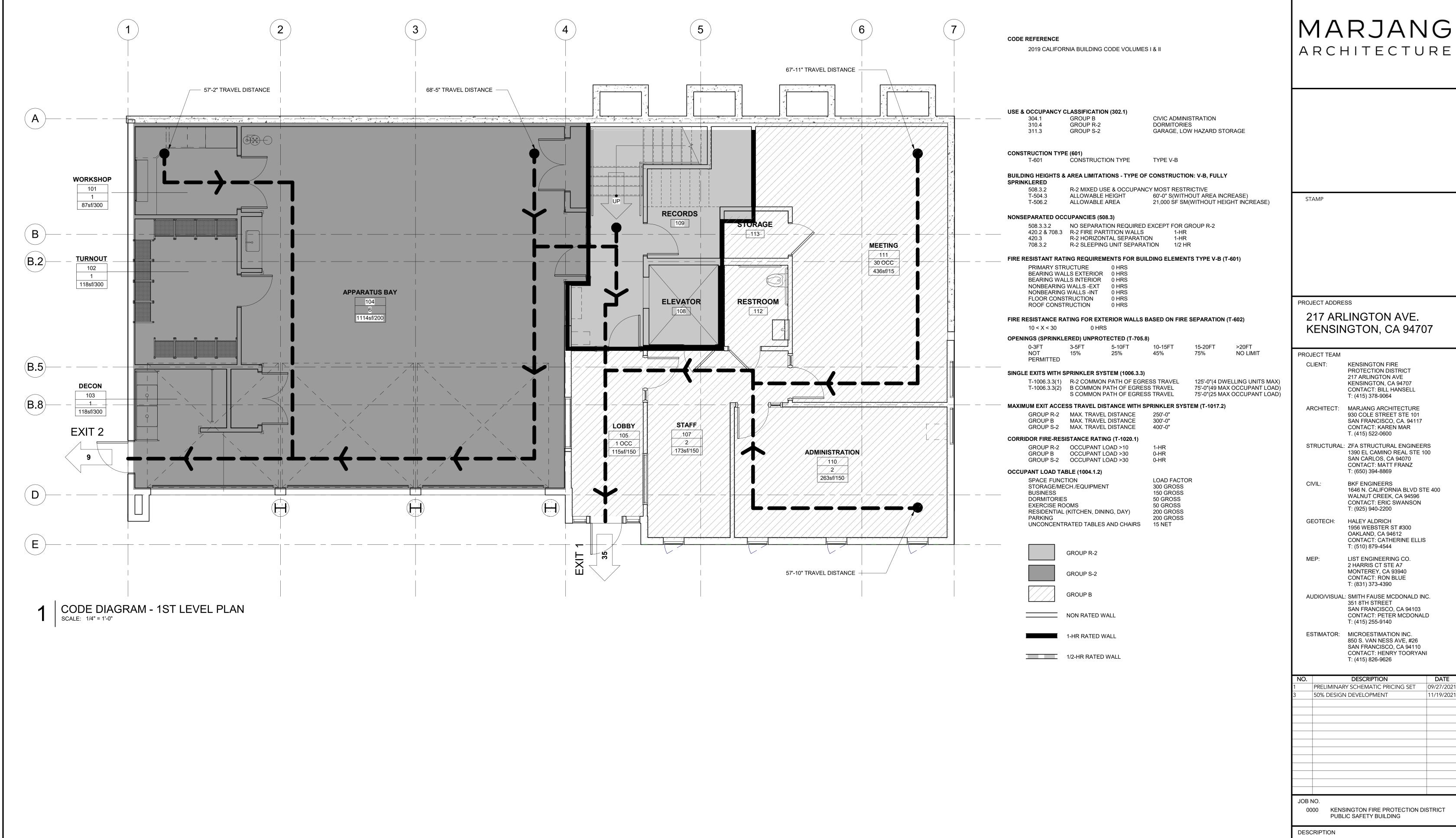
SMITH, FAUSE, & MCDONALD INC. 351 8th Street, San Francisco CA 94103 (415) 255-9140

ESTIMATOR

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

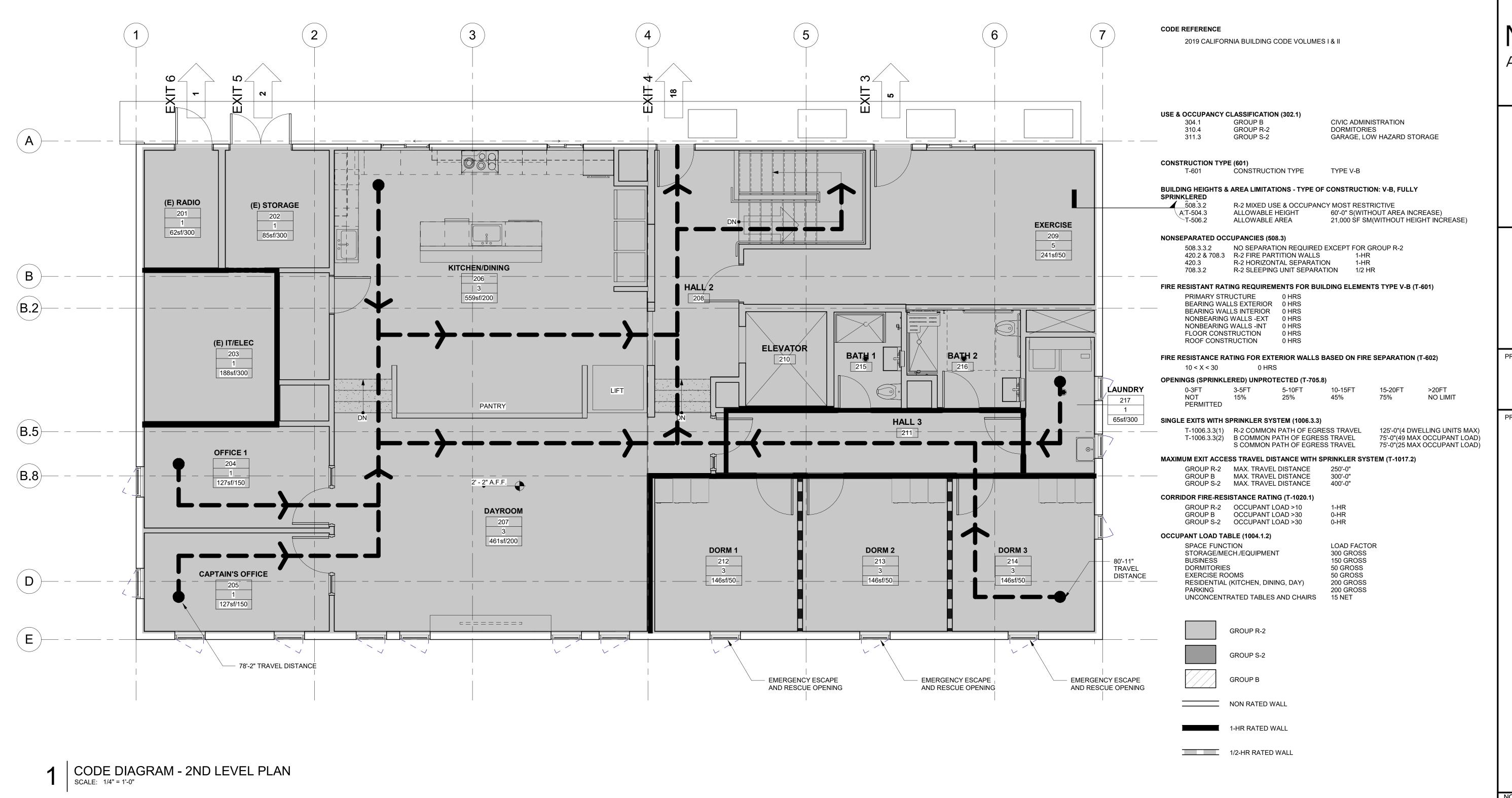


1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021



140.	DESCRIPTION	DAIL
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
·		
IOD N	10	

CODE DIAGRAM LEVEL 1



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

> 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) 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 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
3	50% DESIGN DEVELOPMENT	11/19/2021
JOB N	NO.	

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

CODE DIAGRAM LEVEL 2

REMODE

GRAPHIC SCALE (IN FEET) 1 inch = 10 ft.

+ 5³\.68 TB 529.53 GRATE (TYP) EXISTING BUILDING SD TRENCH_ SD TRENCH FL 516.16 5 SD TRENCH 516.16 TRENCH DRAIN-FL 516.10 + 5 ARLINGTON AVENUE

Reserve, per Site
Plan provided by
Jeffries Lyons and
Hill Architects
Dated 6/17/69

EXISTING ABBREVIATIONS LEGEND ASPHALT CONCRETE ASSESSOR'S PARCEL NUMBER WATER VALVE APN BLRD BOLLARD BENCHMARK CONC CONCRETE DROP INLET DIA DIAMETER POLE DRIVEWAY

TOP OF BOX

THRESHOLD

UTILITY BOX

WATER METER

TOP OF WALL

TYPICAL

VAULT

TOP FACE OF CURB

SSMH

THRESH

TB

TYP

SANITARY SEWER CLEAN OUT

SANITARY SEWER MANHOLE

ASSESSOR'S PARCEL NUMBER		
BOLLARD	- o -	SIGN
BENCHMARK		
CONCRETE	~ ₩	STREET LIGH
DROP INLET	•	
DIAMETER	- \$-	LIGHT POLE
DRIVEWAY	. 1	
ELECTRIC		FENCE
FINISHED FLOOR		
SURFACE FLOWLINE		CONCRETE
STORM DRAIN		
SANITARY SEWER		

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.

5' Wide Pole

Dated 6/17/69

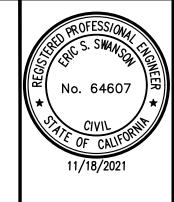
Reserve, per Site Plan provided by

Jeffries Lyons and Hill Architects

STATION	LATITUDE	LONGITUDE	HEIGHT (m)
SRB1	37°52'27.690029"	-122°16'1.075795"	54.6535
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.



REMOD

PERMIT AN TON

GRAPHIC SCALE (IN FEET) 1 inch = 10 ft.

1.5'

SIDEWALK

FULL HEIGHT

PROJECTION

-SIDEWALK

CONCRETE

WALKWAY

AT RAMP LANDING

FF=532.57

GUTTER

22.0' DRIVE AISLE

VEHICLES MAY OVERHANG

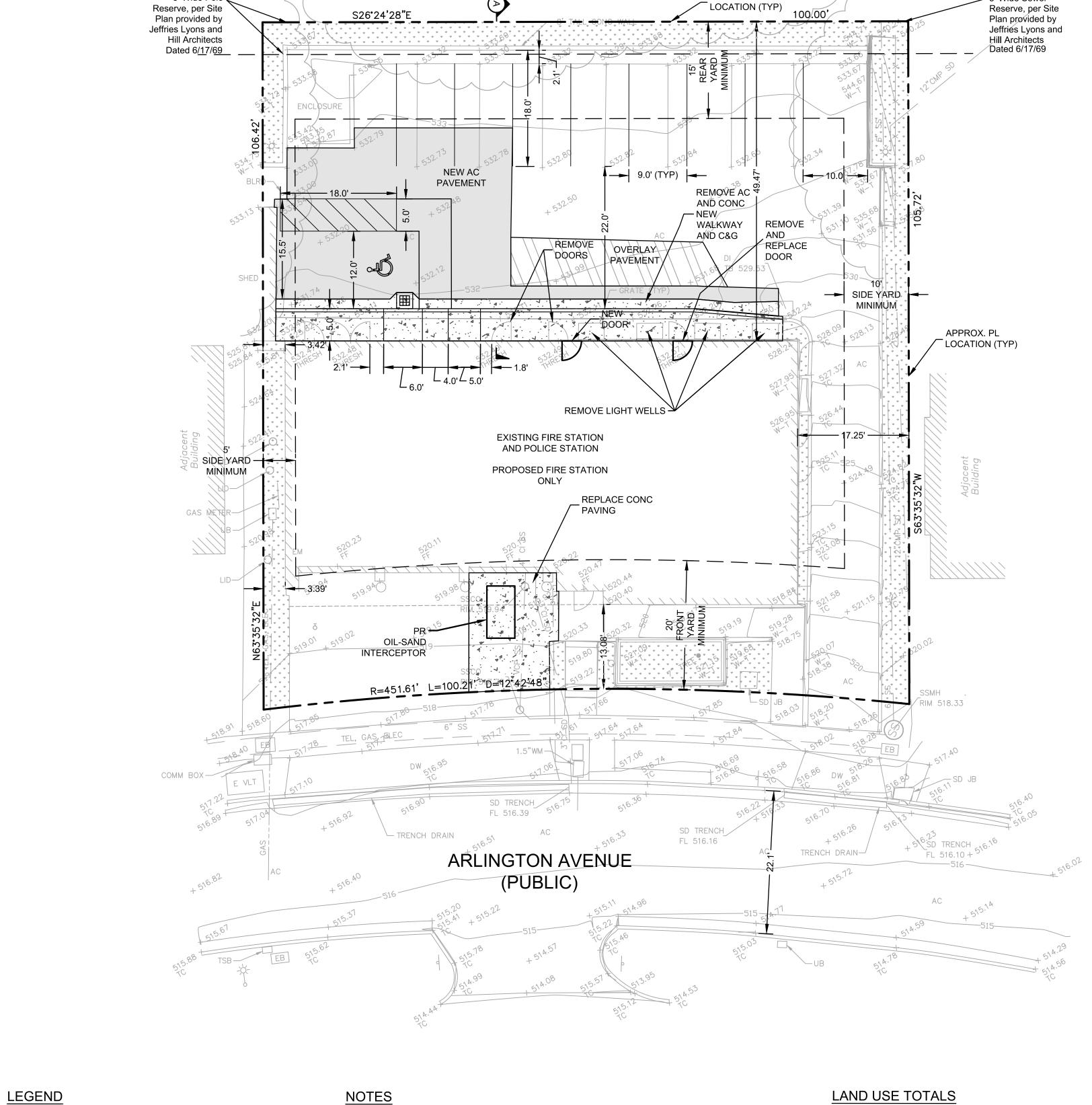
SIDEWALK BY UP TO 3'

NEW AC

PAVEMENT

CURB HEIGHT VARIES

4" TO 5.5" OUTSIDE THE RAMP



APPROX. PL

<u>NOTES</u>

PROVIDED DIMENSIONS.

5' Wide Pole

- 1. ALL DIMENSIONS ARE IN FEET AND DECIMALS, THEREFORE, CONTRACTOR TO NOTIFY THE CIVIL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES IN THE
- 2. REFER TO ARCHITECTURAL PLANS FOR BUILDING DETAILS.
- 3. FOR WALKS AND IN ADA ACCESSIBLE AREAS, CROSS SLOPES SHOULD NOT EXCEED 2% IN GRADE.
- 4. PROJECT DOES NOT PROPOSE TO REMOVE ANY TREES.
- 5. EXISTING BOUNDARY INFORMATION IS FROM RECORD INFORMATION ONLY AND IS NOT TIED TO MONUMENTS.
- 6. THE GENERAL PLAN DESIGNATION IS PS (PUBLIC/SEMI-PUBLIC).
- 7. THE ZONING DESIGNATION IS R-6 SINGLE-FAMILY RESIDENTIAL DISTRICT.
- 8. 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."
- 9. R-6 REQUIRES "THERE SHALL BE A SETBACK (FRONT YARD) OF AT LEAST TWENTY FEET FOR ANY STRUCTURE IN THE R-6 DISTRICT."
- 10. R-6 REQUIRES "THERE SHALL BE A REAR YARD FOR ANY PRINCIPAL STRUCTURE OF AT LEAST FIFTEEN FEET."
- 11. THE EXISTING BUILDING ENCROACHES IN SIDE AND FRONT MINIMUM SETBACKS.
- 12. THE PROJECT SITE IS IN A FEMA ZONE X AREA OF MINIMAL FLOOD HAZARD.

LAND USE TOTALS

OTAL SITE AREA	=10,427 SQ FT
OTAL (EX) IMPERVIOUS AREA	=9,094 SQ FT
OTAL (EX) LANDSCAPED AREA	=1,333 SQ FT
OTAL NEW IMPERVIOUS AREA	=0 SQ FT
OTAL REPLACED IMPERVIOUS AREA	=2,282 SQ FT
ROPOSED FINAL IMPERVIOUS AREA	=9,094 SQ FT
ROPOSED FINAL LANDSCAPED AREA	=1,333 SQ FT

>> 5' Wide Sewer



PARKING⁻

PAVEMENT

CROSS SECTION

NTS

PROPERTY LINE

BUILDING OVERHANG

NEW CONCRETE PAVEMENT

NEW ASPHALT OVERLAY

EXISTING LANDSCAPE

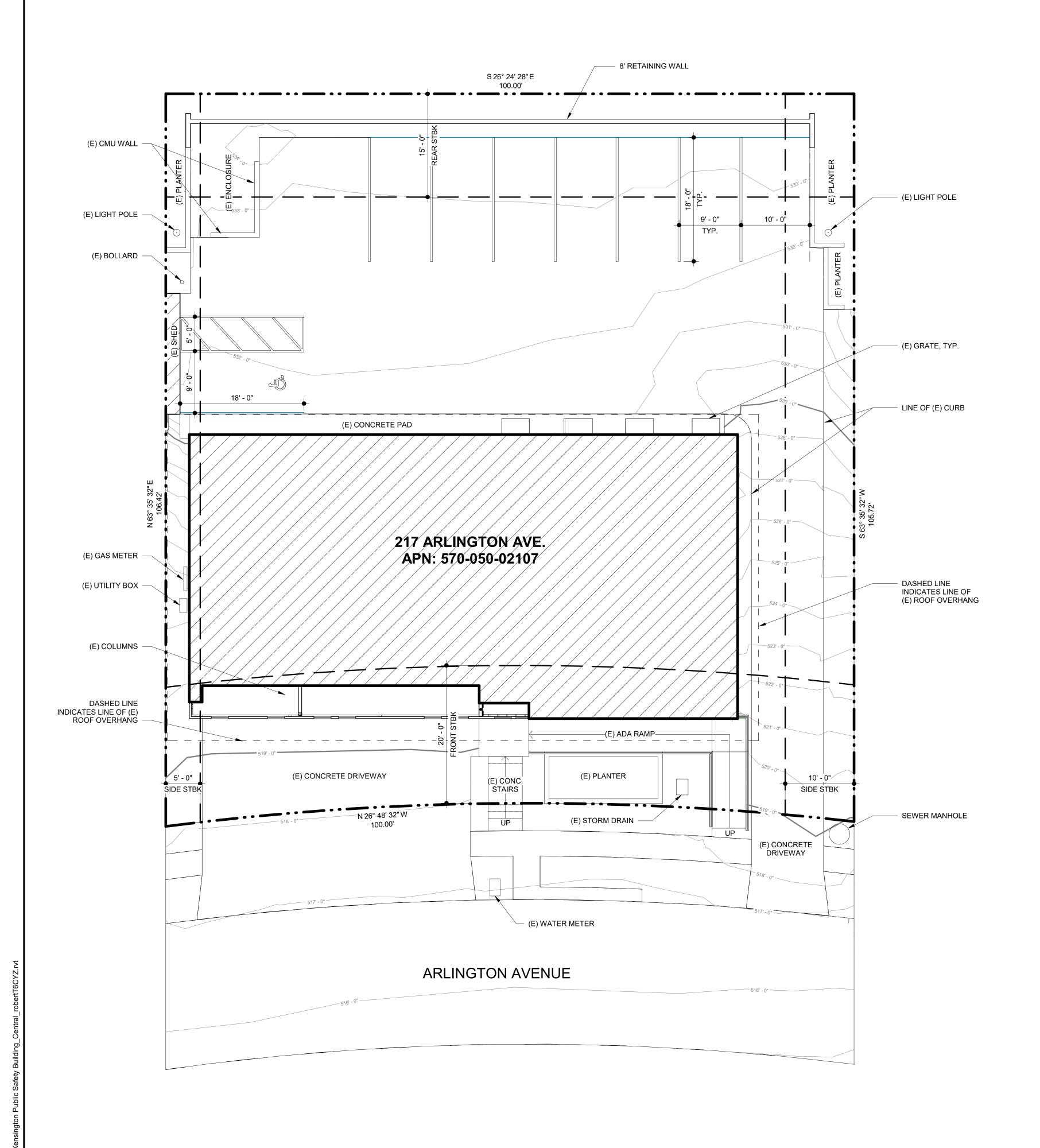
MINIMUM SETBACK REQUIREMENTS

NEW ASPHALT CONCRETE PAVEMENT

R-6 SINGLE-FAMILY RESIDENTIAL DISTRICT

<u>LEGEND</u>

— — — — — — GRADE BREAK LINE -----<----- FLOW LINE XX.XX ×



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KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 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

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CIVIL: **BKF ENGINEERS** 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596

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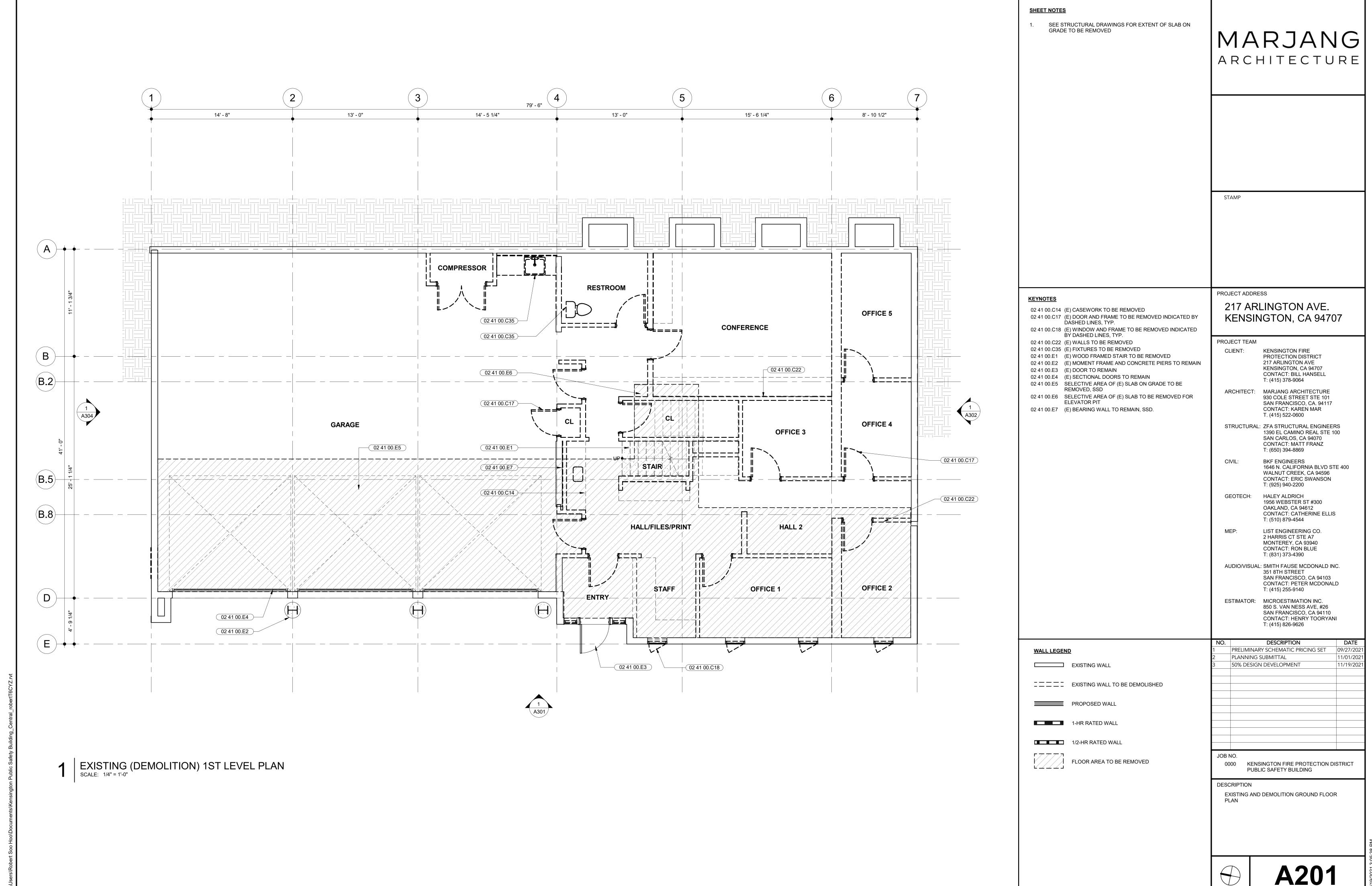
JOB NO.

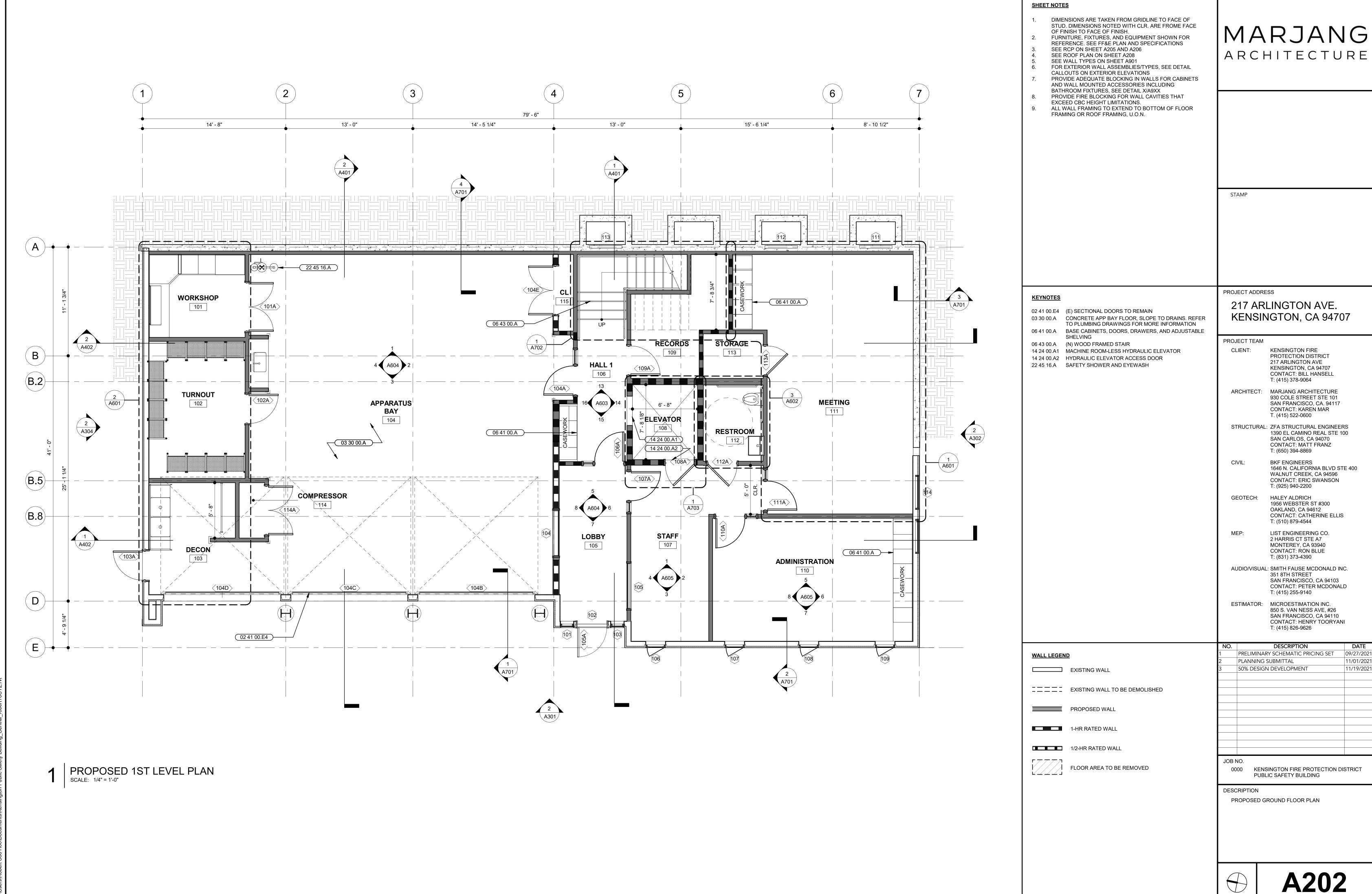
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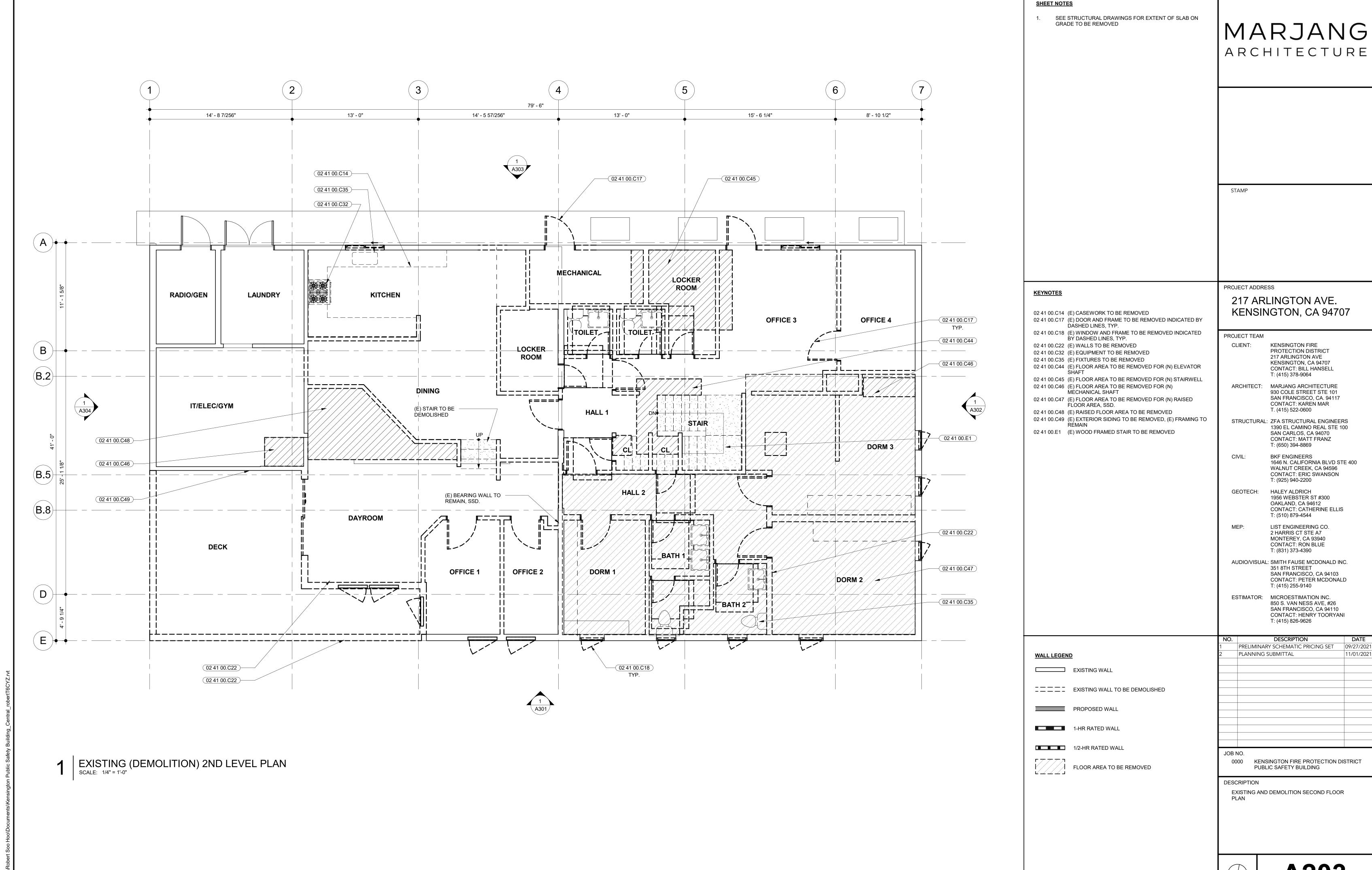
DESCRIPTION

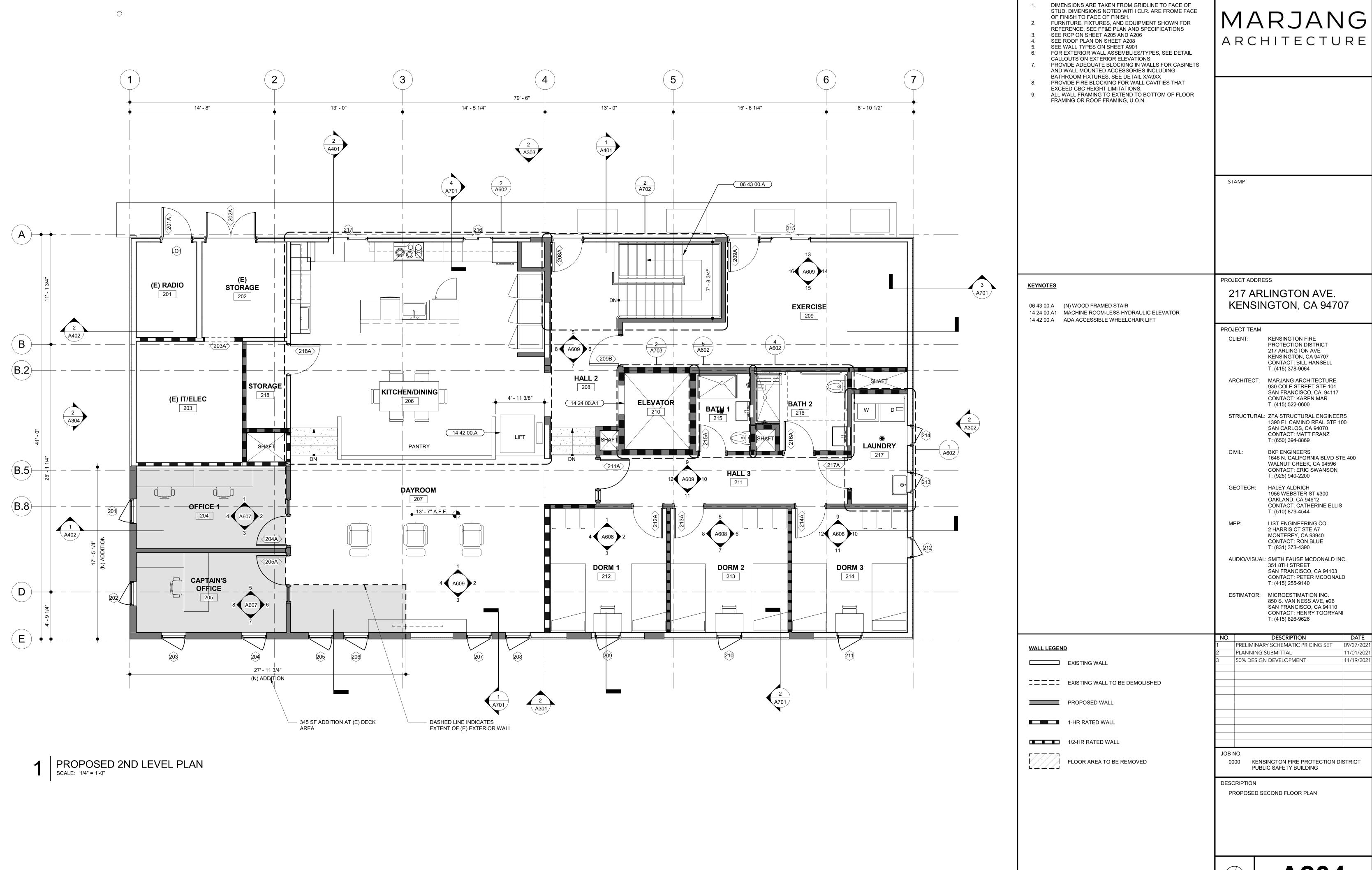
SITE PLAN

PROPOSED SITE PLAN SCALE: 1/8" = 1'-0"





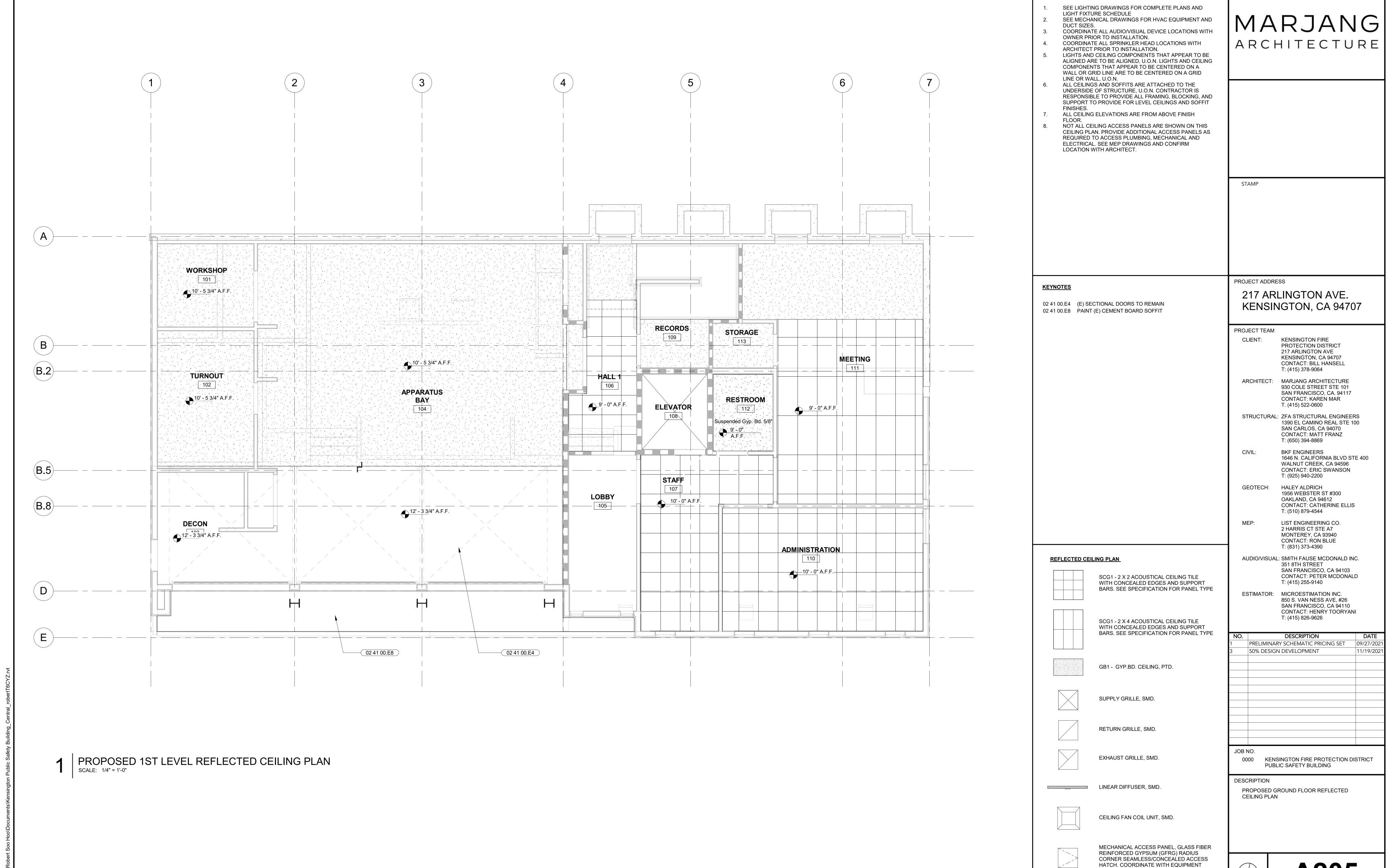




A20

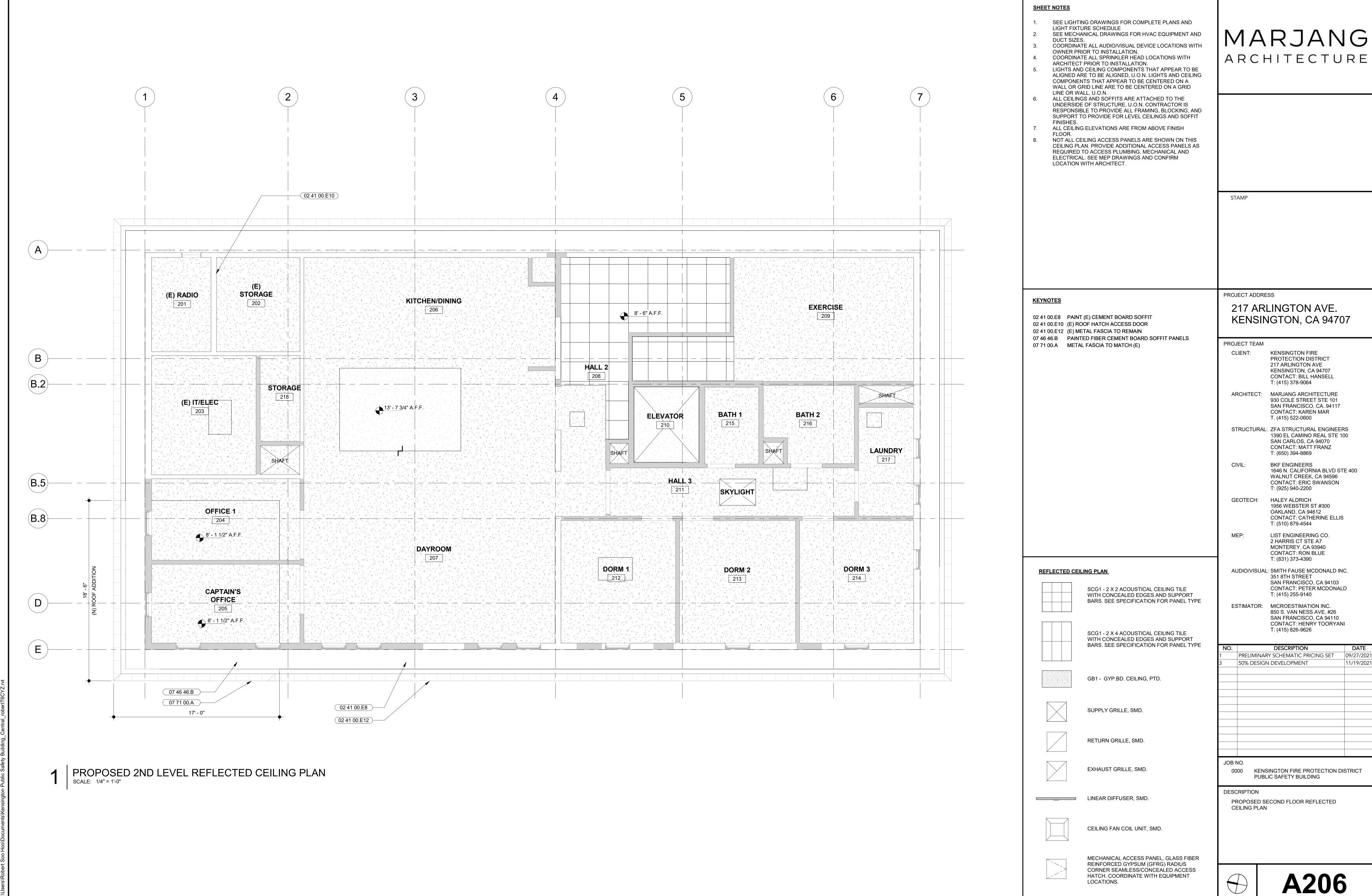
SHEET NOTES

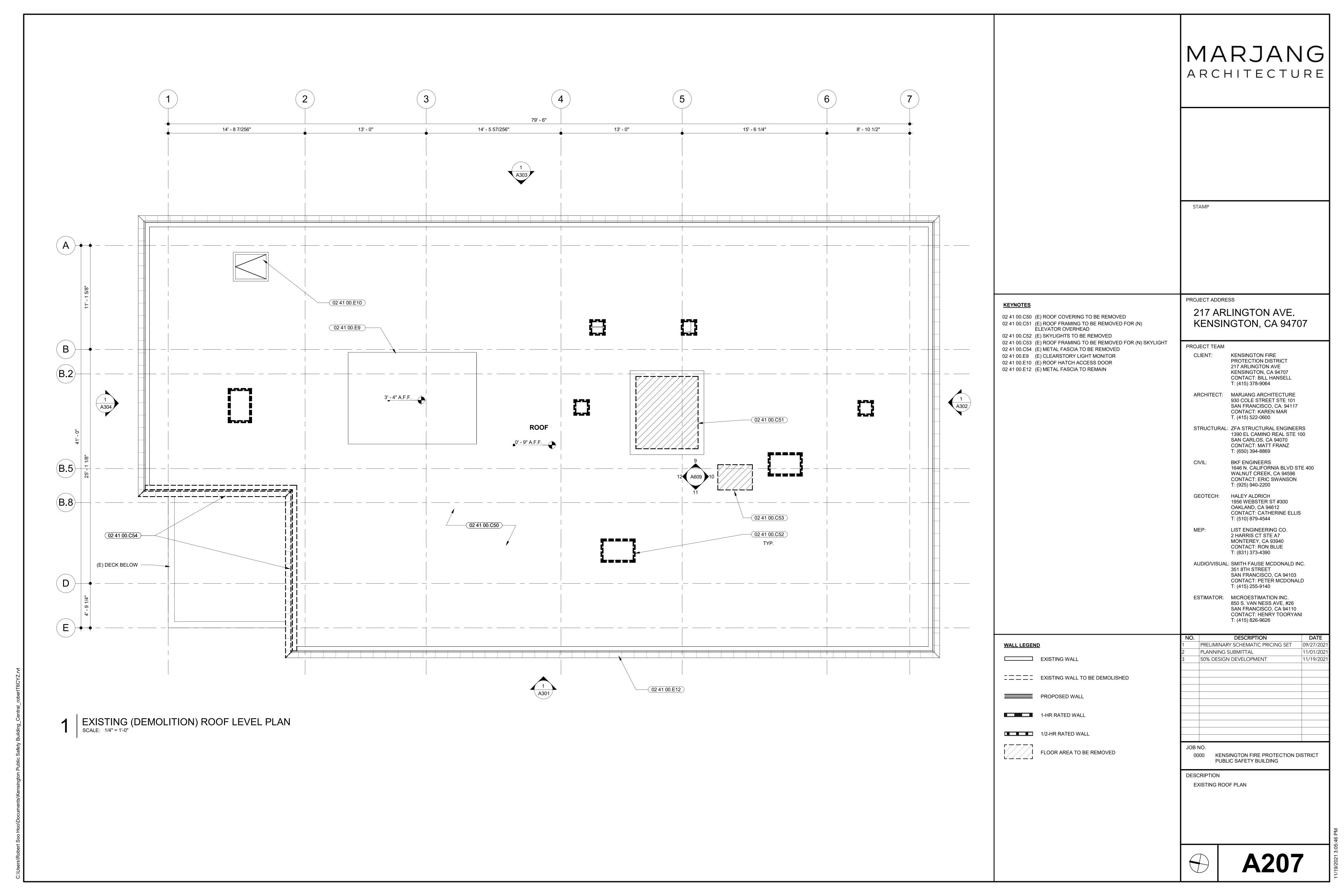
204

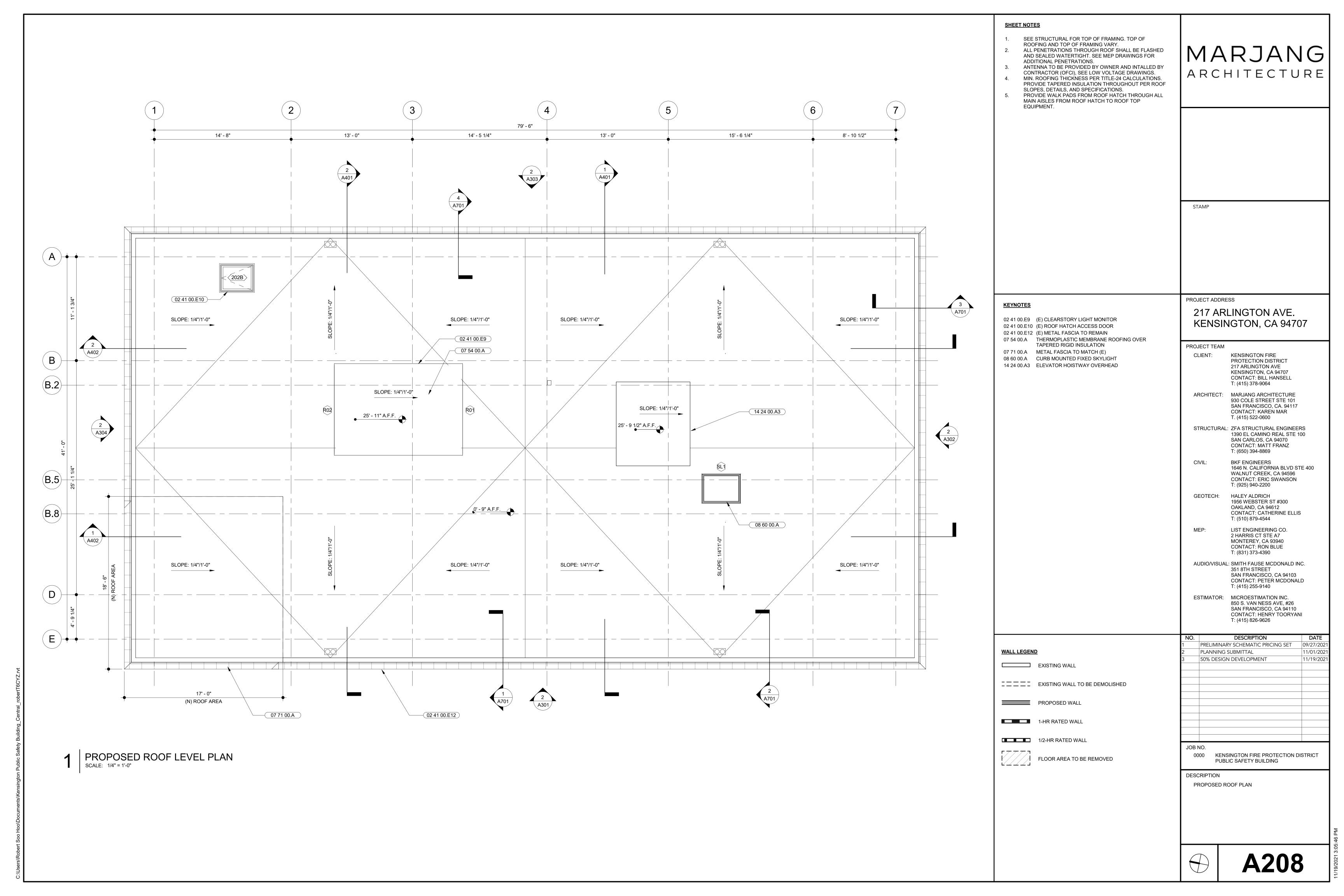


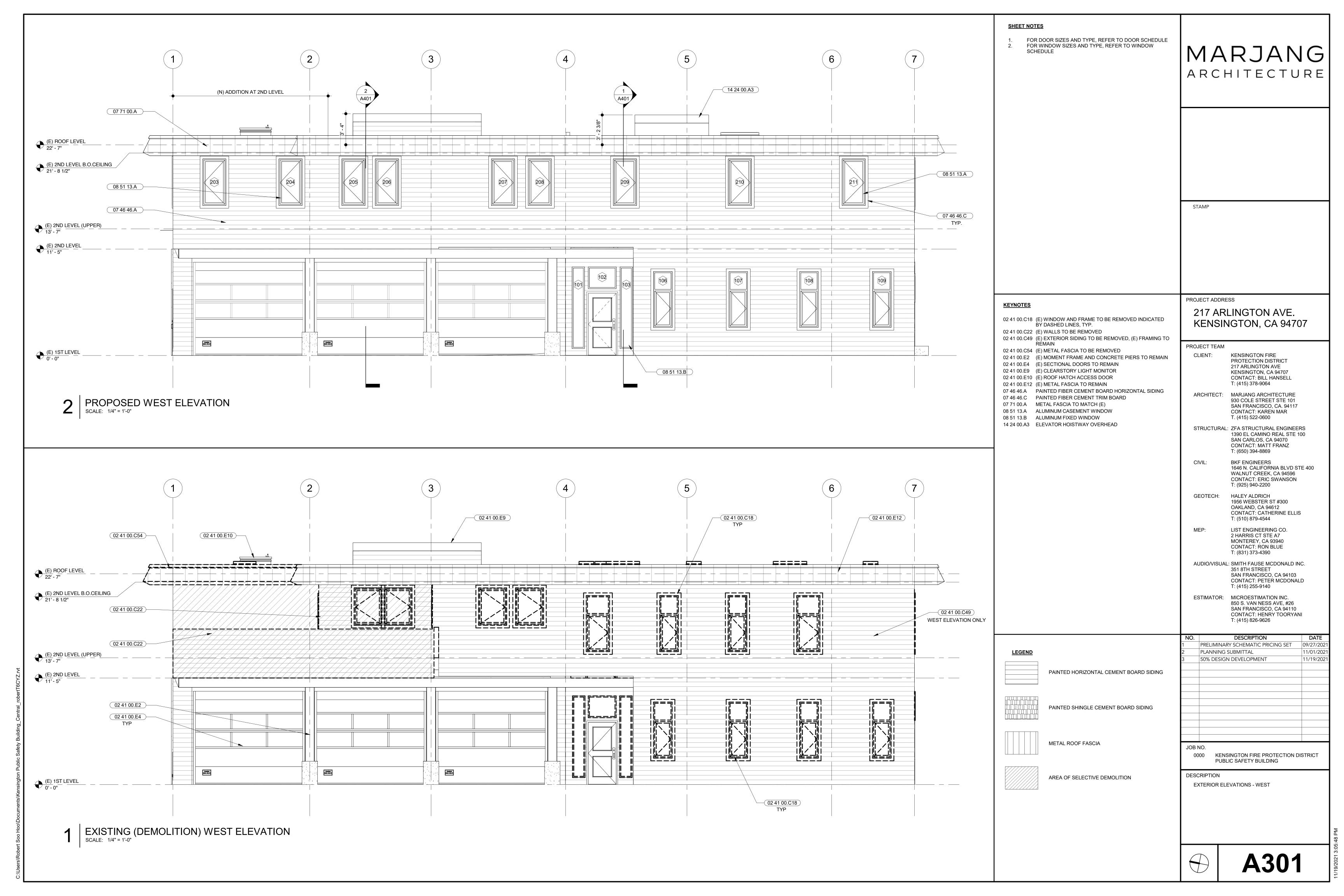
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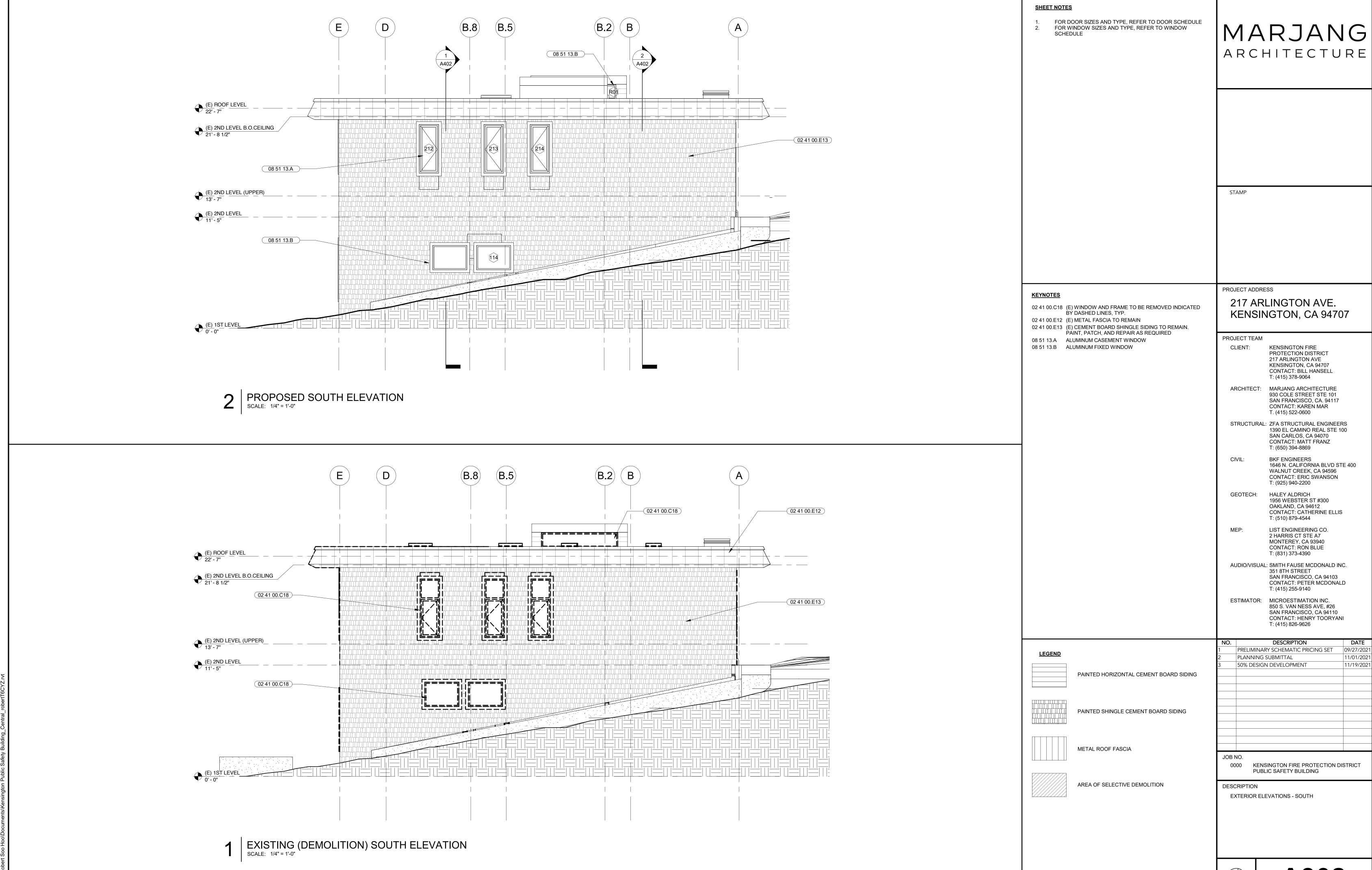
LOCATIONS.



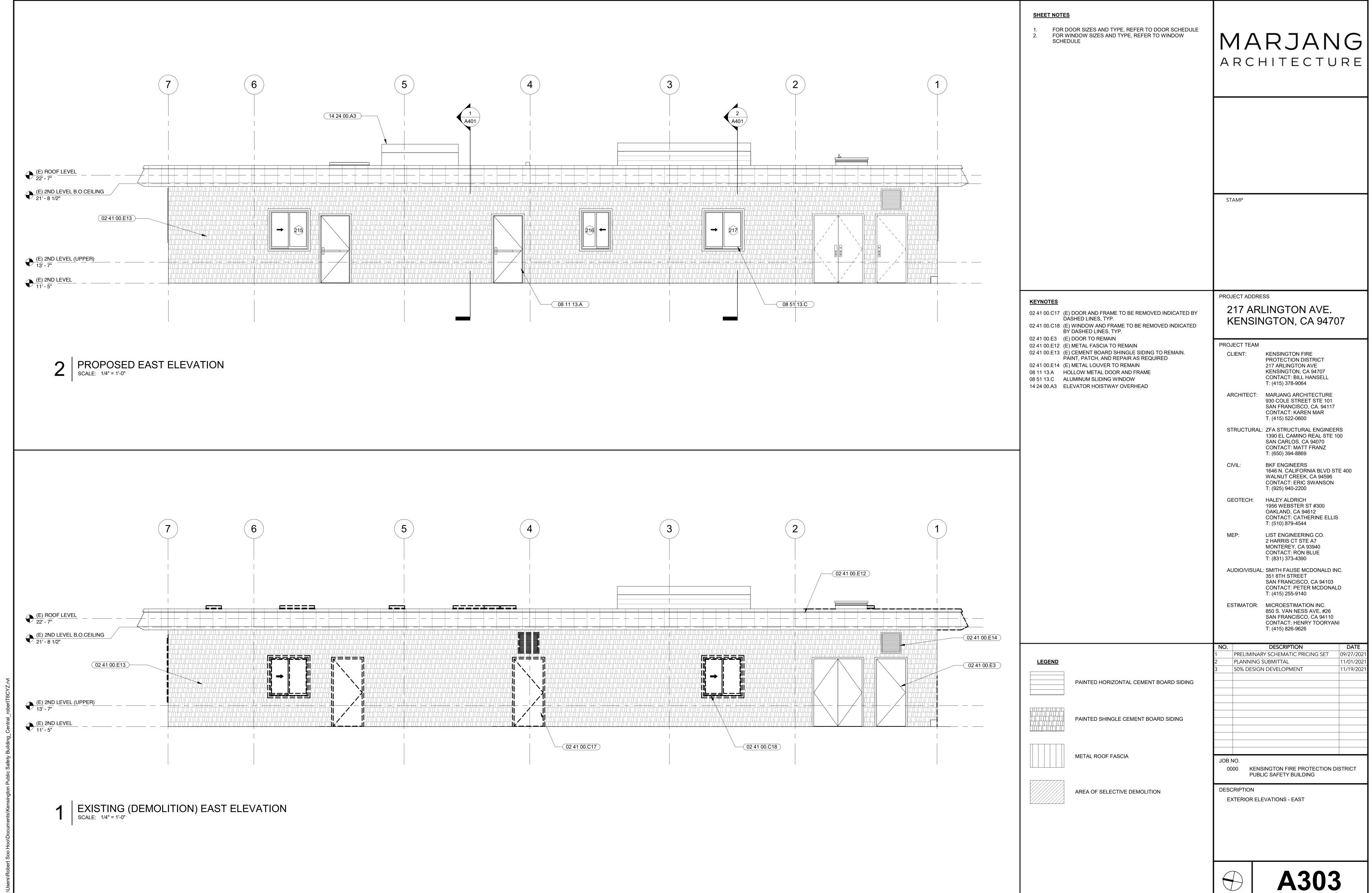


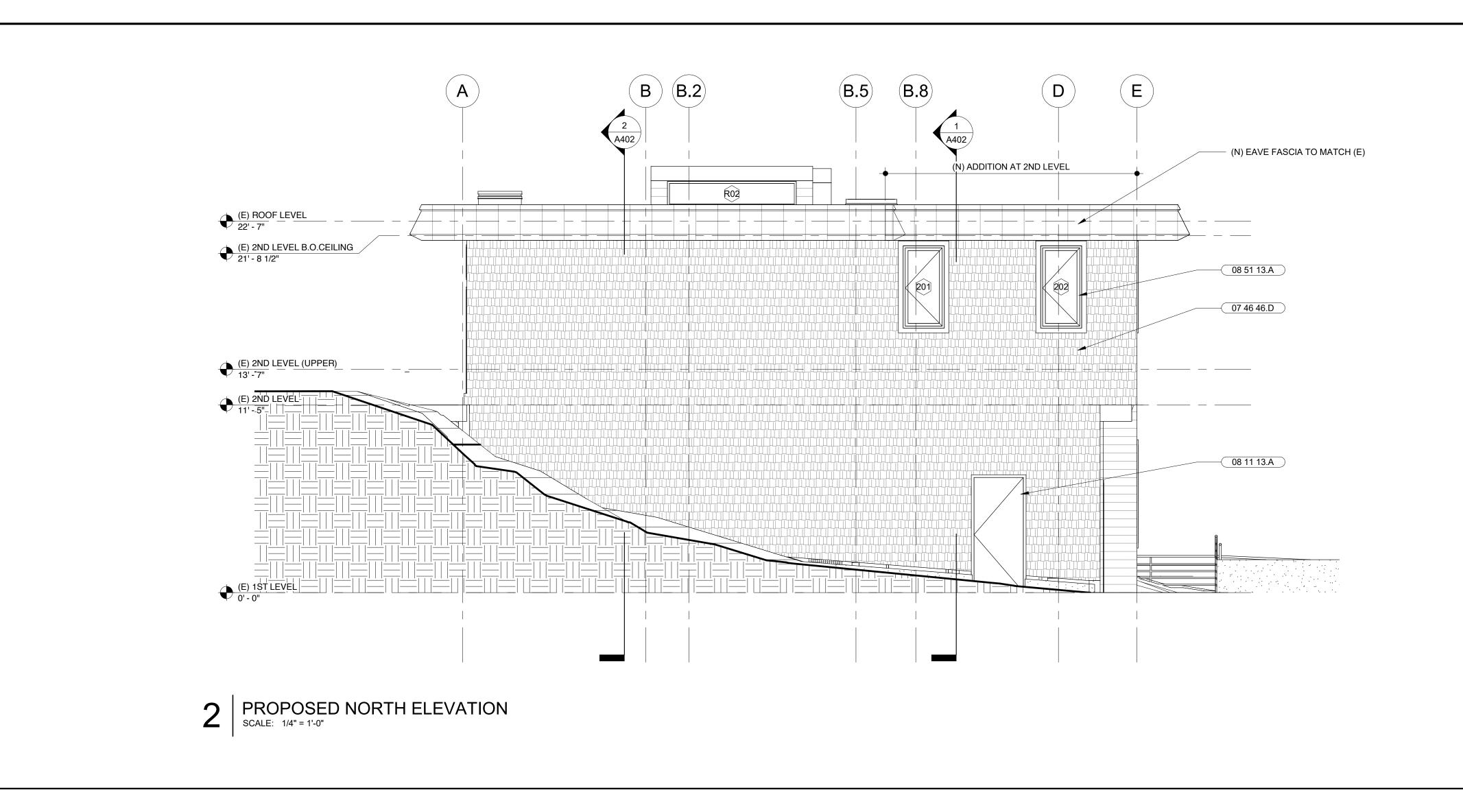


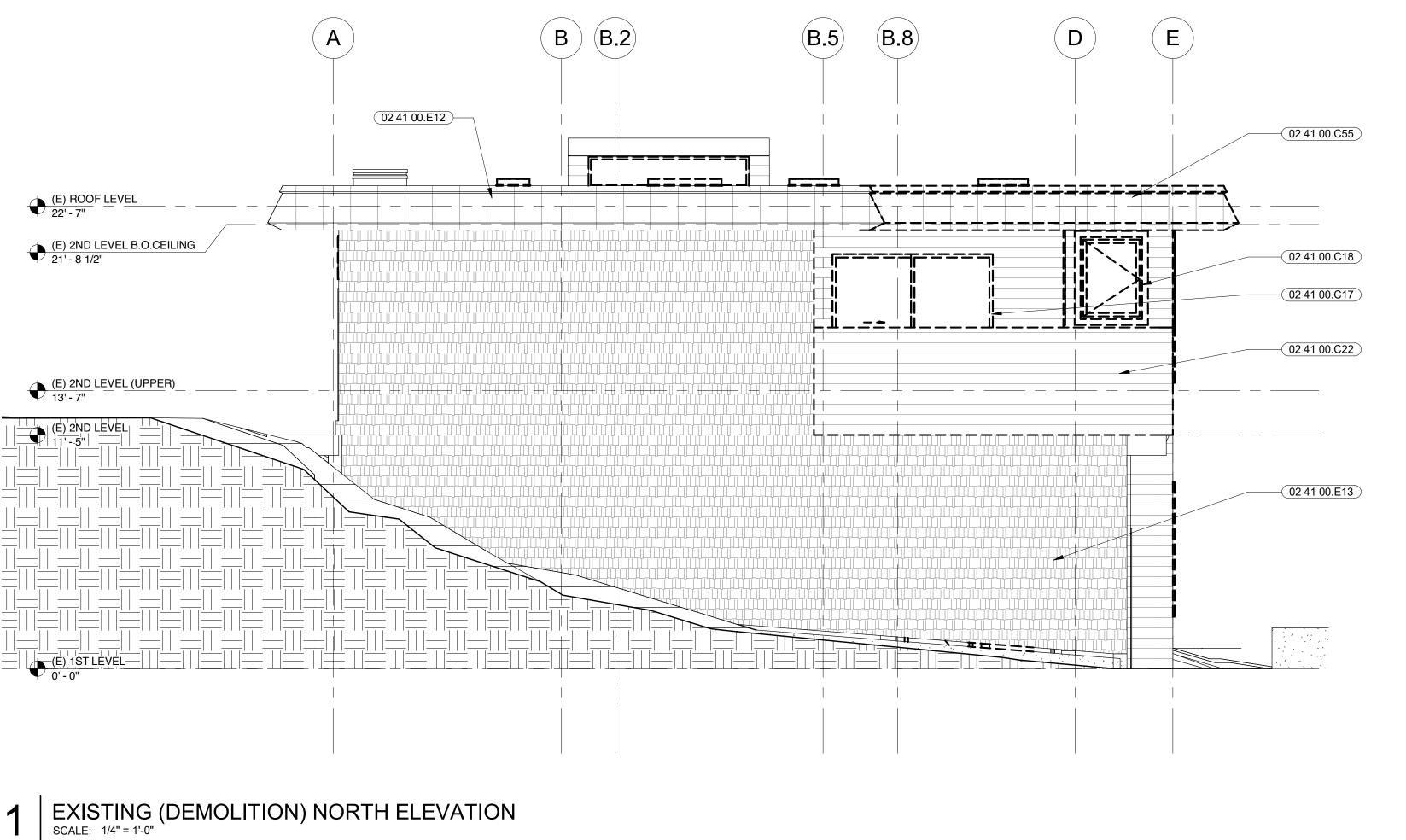


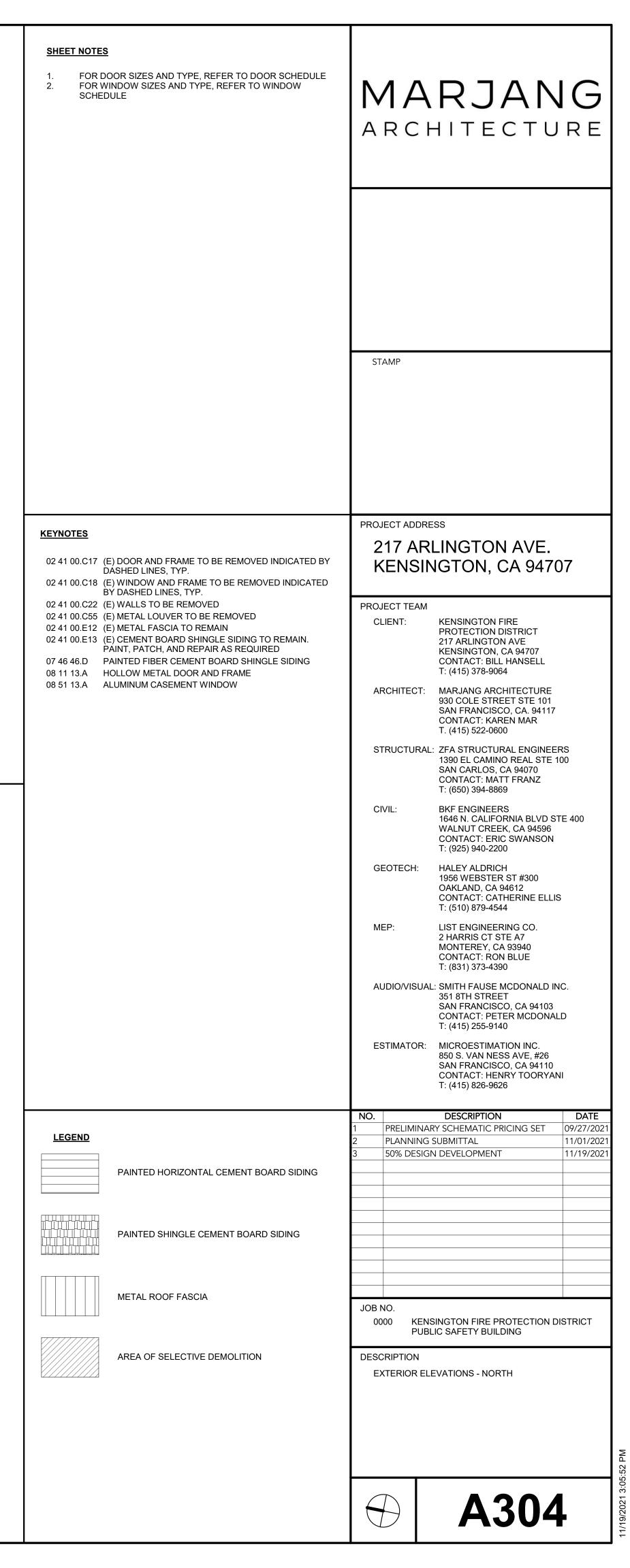


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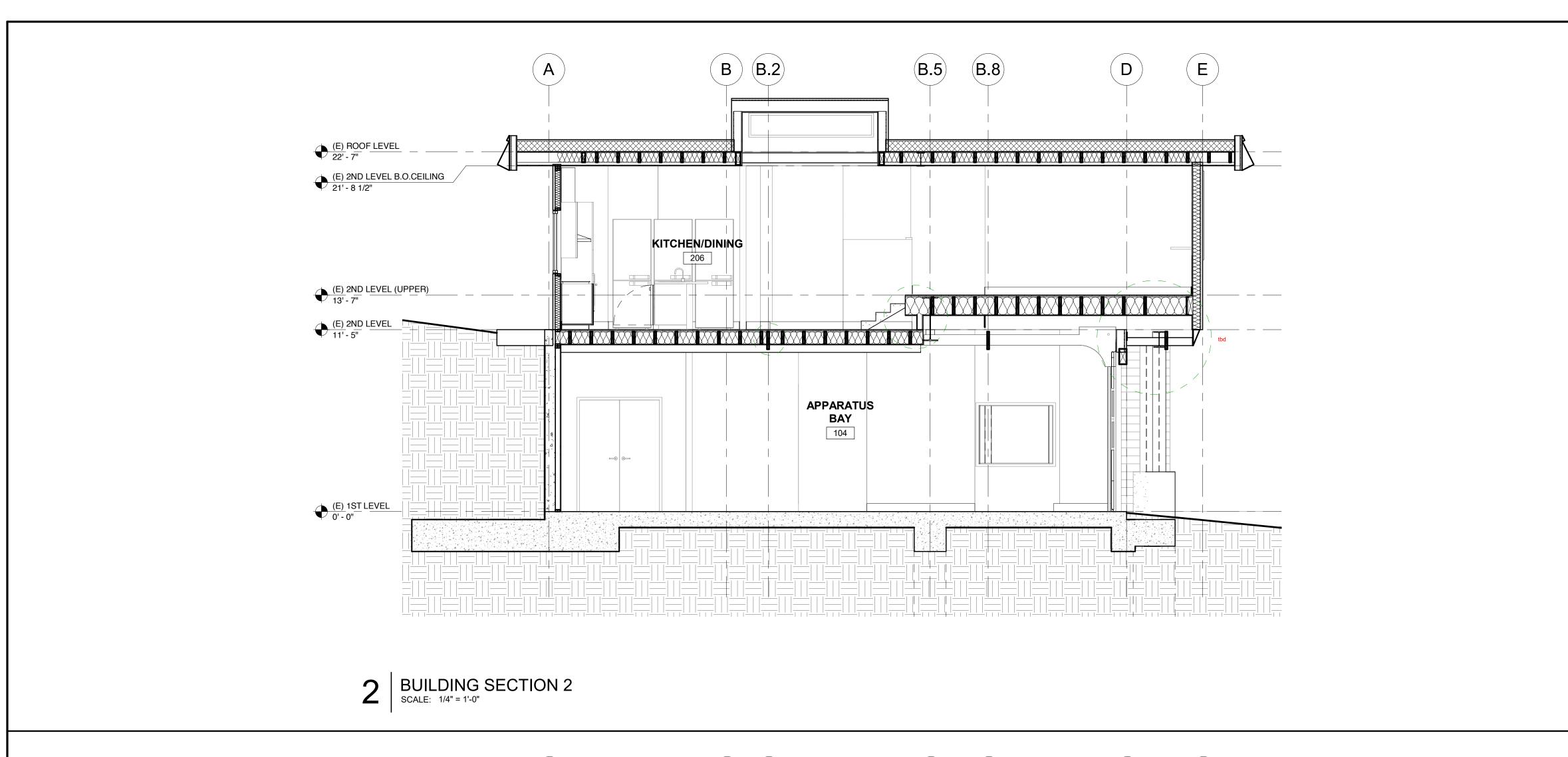


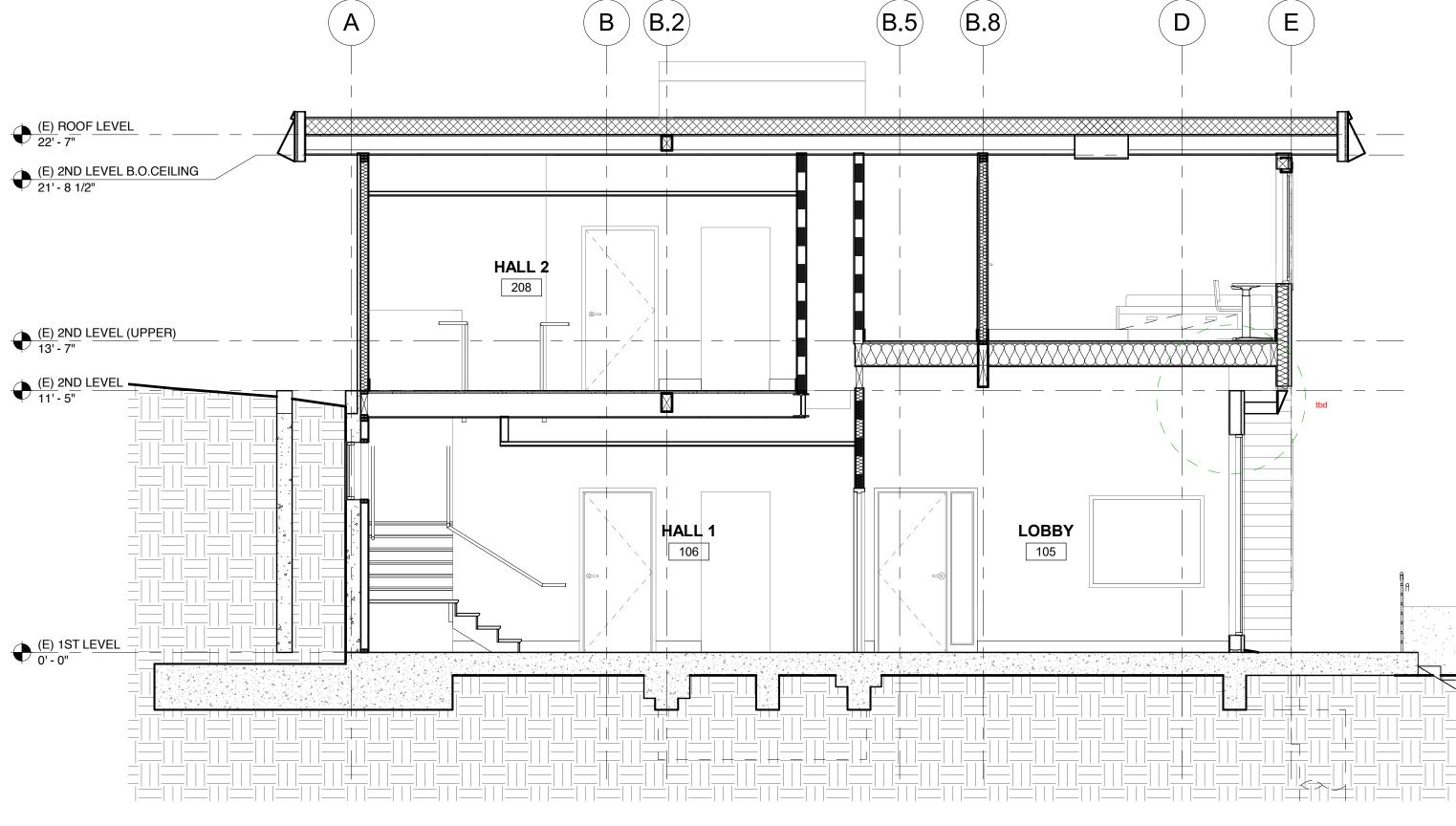






C:\Users\Robert Soo Hoo\Documents\Kensington Public Safety Building_





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

MARJANG

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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PROTECTION DISTRICT
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KENSINGTON, CA 94707
CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117

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1390 EL CAMINO REAL STE 100
SAN CARLOS, CA 94070
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NO. DESCRIPTION DATE

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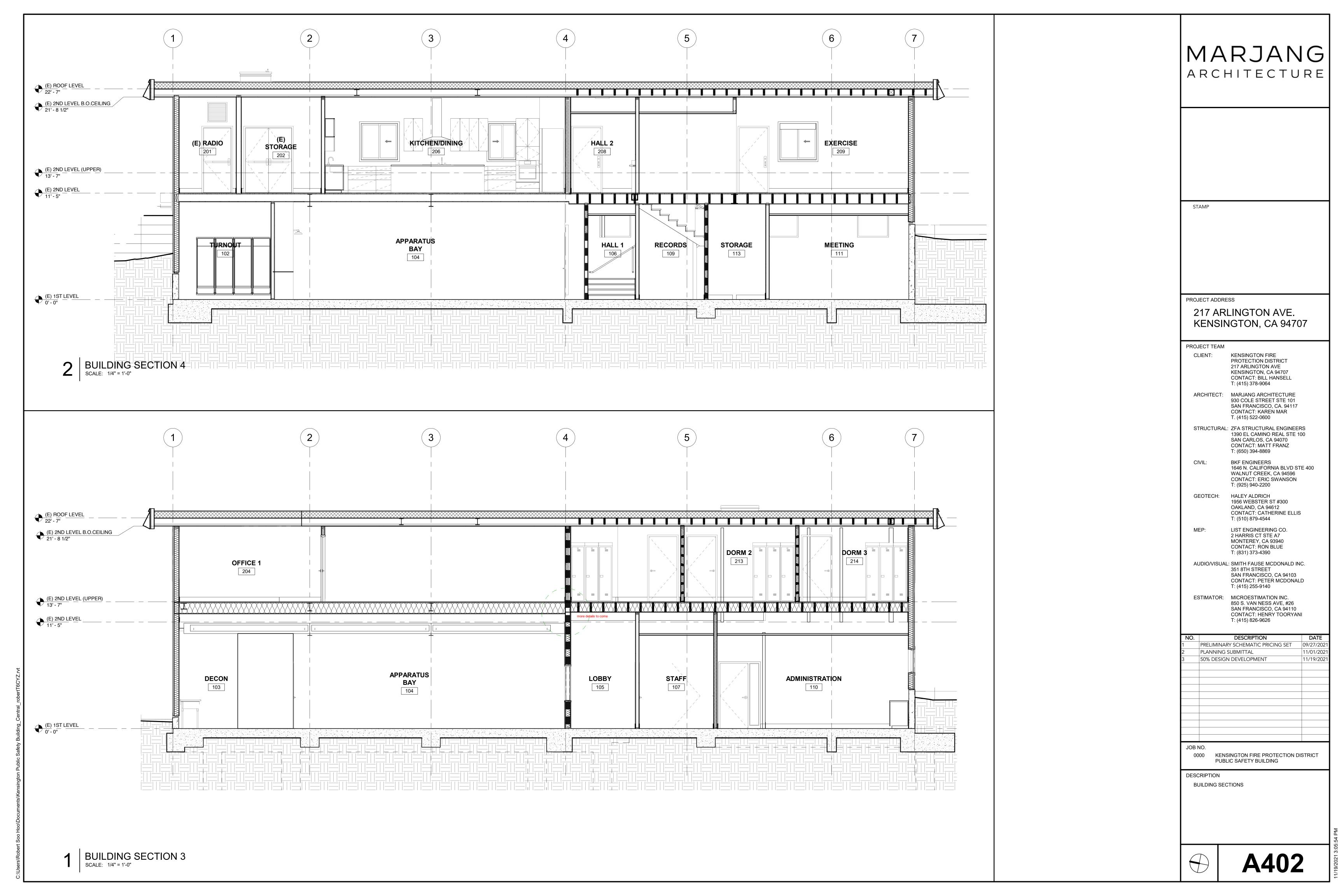
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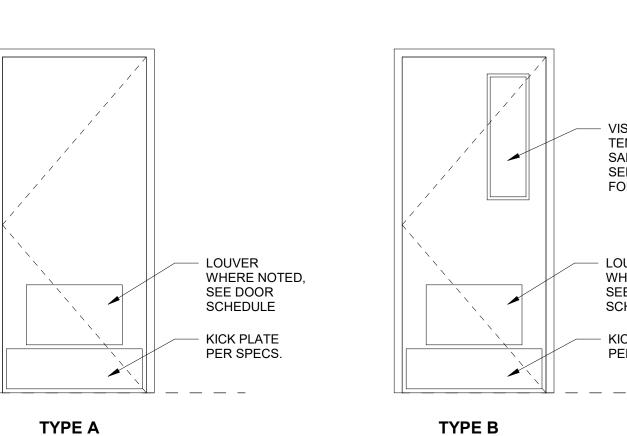
DESCRIPTION

BUILDING SECTIONS

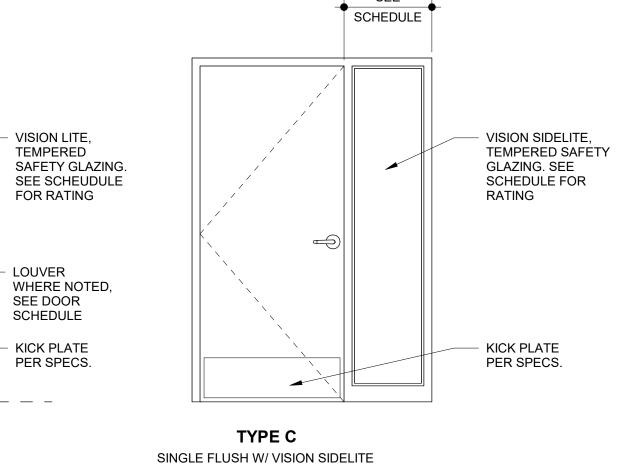
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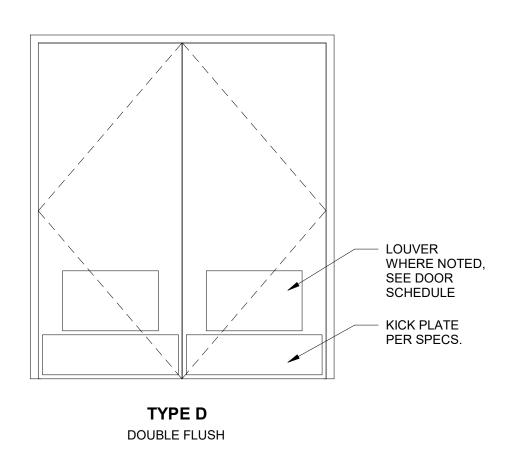


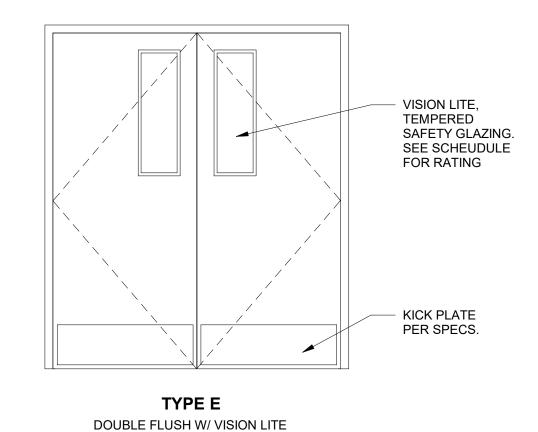
	DOOR SCHEDULE														
						SIZE			OOR	FF	RAME		DETAILS		
DOOR NO.	LOCATION	PHASE CREATED	HW SET FIRE RATING	TYPE	WIDTH	HEIGHT	THICK	MAT'L	FINISH	MAT'L	FINISH	HEAD	JAMB	THRESHOLD	REMARK
	<u> </u>		•	'	<u>'</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		•	•	•	<u>'</u>	
101A	WORKSHOP	New Construction		D	5' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				
102A	TURNOUT	New Construction		В	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				LOUVERED
103A		New Construction			3' - 0"	7' - 0"	0' - 1 3/4"								
103B	(E) RADIO	New Construction			3' - 0"	7' - 0"	0' - 1 3/4"								
103C	(E) STORAGE	New Construction			5' - 0"	7' - 0"	0' - 1 3/4"								
104A	APPARATUS BAY	New Construction	20 MIN	С	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				
104B	APPARATUS BAY	Existing			3' - 3 1/4"	6' - 6 3/4"									EXISTING ROLL-UP DOOR
104C	APPARATUS BAY	Existing			3' - 3 1/4"	6' - 6 3/4"									EXISTING ROLL-UP DOOR
104D	APPARATUS BAY	Existing		D	3' - 3 1/4"	6' - 6 3/4" 7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				EXISTING ROLL-UP DOOR
104E 105A	APPARATUS BAY LOBBY	New Construction Existing		D	5' - 0" 3' - 0"	6' - 8"	0' - 1 3/4"	HIVI	PAINTED	HIVI	PAINTED				LOUVERED PAINT AS REQUIRED
105A 106A	HALL 1	New Construction	20 MIN	C	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				PAINT AS REQUIRED
100A	STAFF	New Construction	20 IVIIIN	C	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
107A	ELEVATOR	New Construction		Δ	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				PER ELEVATOR MANUE. REQUIREMENTS
109A	RECORDS	New Construction		A	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				T ETT EEE VATOR WIND UTOF . THE GOTT EMERTED
110A	ADMINISTRATION	New Construction		C	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
111A	MEETING/E.O.C.	New Construction		C	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
112A	RESTROOM	New Construction		A	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
113A	STORAGE	New Construction		Α	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	НМ	PAINTED				
114A	COMPRESSOR	New Construction		D	5' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				LOUVERED
201A	(E) RADIO	Existing			3' - 0"	7' - 0"	0' - 1 3/4"								
202A	(E) STORAGE	Existing			5' - 0"	7' - 0"	0' - 1 3/4"								
202B	ROOF	Existing			3' - 0"	1' - 0 1/2"									ROOF HATCH
203A	(E) IT/ELEC	Existing			0' - 0"	0' - 0"									REMOVE DOOR AT (E) OPENING
204A	OFFICE 1	New Construction		С	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
205A	CAPTAIN'S OFFICE	New Construction		С	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
208A	HALL 2	New Construction		Α	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				
209A	EXERCISE	New Construction		A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				
209B		New Construction		-	3' - 0"	7' - 0"	0' - 1 3/4"								
211A	HALL 3	New Construction	00.1401	С	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
212A	DORM 1	New Construction	20 MIN	A	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
213A	DORM 2	New Construction	20 MIN	A	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
214A	DORM 3	New Construction	20 MIN	A	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
215A	BATH 1	New Construction	20 MIN	A	2' - 8"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
216A 217A	BATH 2 LAUNDRY	New Construction New Construction	20 MIN 20 MIN	A	3' - 0"	7' - 0" 7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT CLEAR COAT	HM HM	PAINTED PAINTED				LOUVERED
217A 218A	STORAGE	New Construction	ZU IVIIN	Δ	3' - 0"	7 - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				LOUVERED
210/1	OTOTAL	110W OOHSH GOLOH		1,,	0 .0	1 - 0	0 - 1 0/4	WOOD	OLLAN OUAT	1 1111	IAMILD	1	I .		



SINGLE FLUSH W/ VISION LITE







SCHEDULE - DOOR LEGEND SCALE: 1/2" = 1'-0"

SINGLE FLUSH

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.

3. ALL SIZES ARE FOR APPROXIMATE FOR PRICING, GC TO CONFIRM ACTUAL SIZE AND ROUGH OPENING PRIOR TO PLACING ORDER OR FABRICATION.

4. NOTE RAIL AND STILE DIMENSIONS, AND FABRICATE ACCORDINGLY.

5. CONFIRM BACKSET DIMENSIONS OF LEVERSETS AND LOCKSETS BEFORE CROSS BORING

6. 5/16" MAX UNDERCUT @ DOOR BOTTOMS. UNDERCUT ONLY AT CARPETED AREAS. UNDERCUT DOORS ARE IDENTIFIED IN DOOR SCHEDULE.

MARJANG

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CIVIL:

CLIENT: KENSINGTON FIRE
PROTECTION DISTRICT
217 ARLINGTON AVE
KENSINGTON, CA 94707
CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117

STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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CONTACT: KAREN MAR T. (415) 522-0600

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

BKF ENGINEERS 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596 CONTACT: ERIC SWANSON

GEOTECH: HALEY ALDRICH 1956 WEBSTER ST #300

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OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/202
3	50% DESIGN DEVELOPMENT	11/19/202

JOB NO.

0000 KENSINGTON FIRE PROTECTION DISTRICT

PUBLIC SAFETY BUILDING

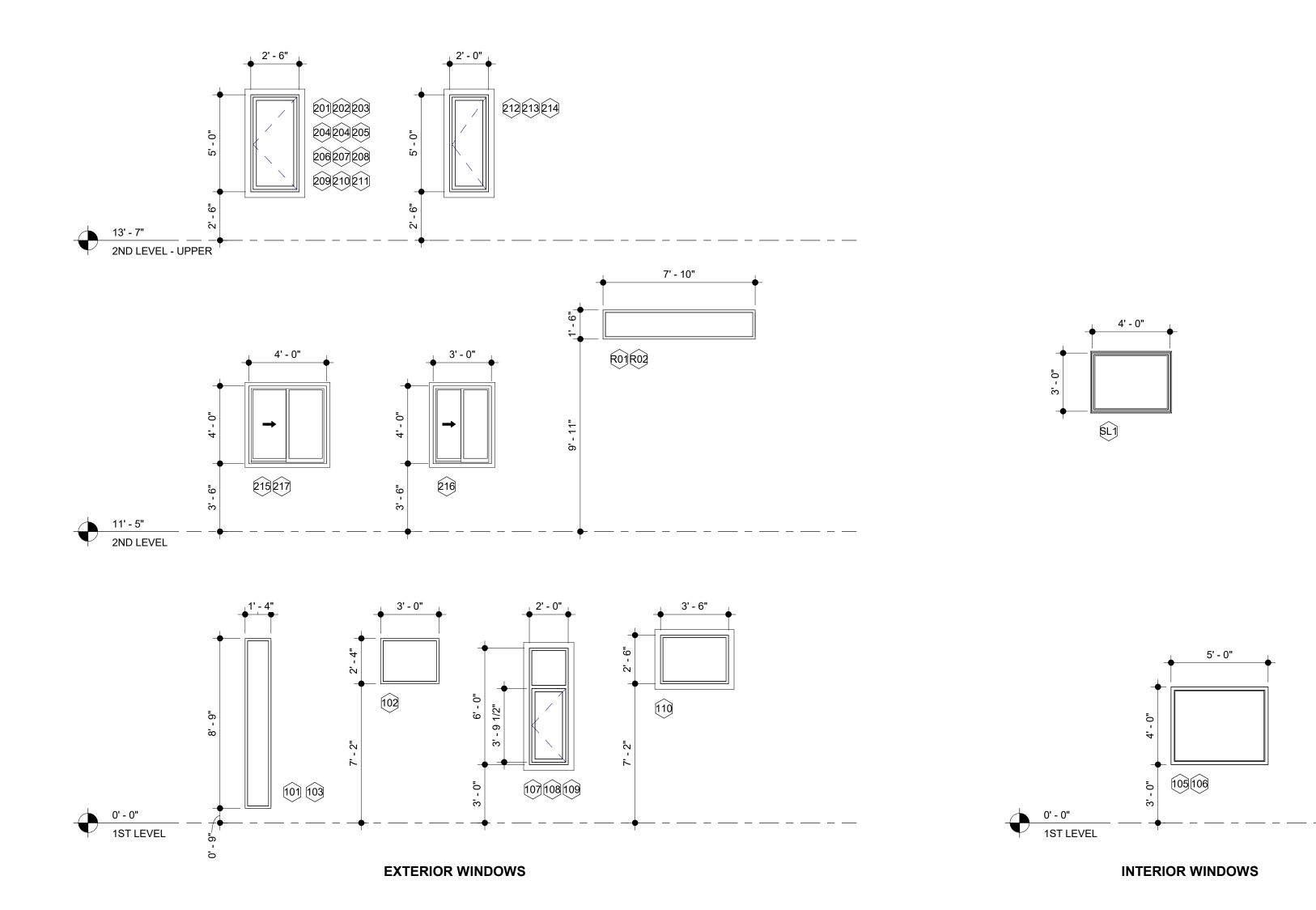
DESCRIPTION

DOOR SCHEDULE



\501

						WINDOV	/ SCHEDULE				
				OPE	NING			MATERIALS			
MARK LOCATION	PHASE CREATED	TYPE	CONSTRUCTION TYPE	WIDTH	HEIGHT	SILL HEIGHT	FINISH	GLAZING	TRIM	U-FACTOR	COMMENTS
101 LOBBY	New Construction	EXTERIOR	Window-Fixed	1' - 4"	8' - 9"	0' - 9"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
102 LOBBY	New Construction	EXTERIOR	Window-Fixed	3' - 0"	2' - 4"	7' - 2"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
103 LOBBY	New Construction	EXTERIOR	Window-Fixed	1' - 4"	8' - 9"	0' - 9"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
104 LOBBY	New Construction	INTERIOR	WINDOWHM_FRAME_W_SINGLE_PANE_10789	4' - 8"	3' - 8"	3' - 0"	PAINTED HM	TEMPERED	NONE		
105 LOBBY	New Construction	INTERIOR	WINDOWHM_FRAME_W_SINGLE_PANE_10789	4' - 8"	3' - 8"	3' - 0"	PAINTED HM	TEMPERED	NONE		
106 STAFF	New Construction	EXTERIOR	Window-Casement-Upper Lite-Trim	2' - 0"	6' - 0"	3' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
107 ADMINISTRATION	New Construction	EXTERIOR	Window-Casement-Upper Lite-Trim	2' - 0"	6' - 0"	3' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
108 ADMINISTRATION	New Construction	EXTERIOR	Window-Casement-Upper Lite-Trim	2' - 0"	6' - 0"	3' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
109 ADMINISTRATION	New Construction	EXTERIOR	Window-Casement-Upper Lite-Trim	2' - 0"	6' - 0"	3' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
111 MEETING	New Construction	EXTERIOR	Window-Fixed	3' - 4"	2' - 6"	6' - 8"	ALUM.		REPAIR AS REQUIRED		EXISTING TO REMAIN
112 MEETING	Existing	EXTERIOR	Window-Fixed	3' - 4"	2' - 6"	6' - 8"	ALUM.		REPAIR AS REQUIRED		EXISTING TO REMAIN
113 HALL1	Existing	EXTERIOR	Window-Fixed	3' - 4"	2' - 6"	6' - 8"	ALUM.		REPAIR AS REQUIRED		EXISTING TO REMAIN
114 ADMINISTRATION	New Construction	EXTERIOR	Window-Fixed-Trim	3' - 6"	2' - 6"	6' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
115 ADMINISTRATION	New Construction	EXTERIOR	Window-Fixed-Trim	3' - 6"	2' - 6"	6' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
201 OFFICE 1	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
202 CAPTAIN'S OFFICE	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
203 CAPTAIN'S OFFICE	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
204 CAPTAIN'S OFFICE	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
205 DAYROOM	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
206 DAYROOM	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
207 DAYROOM	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
208 DAYROOM	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
209 DORM 1	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
210 DORM 2	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
211 DORM 3	New Construction	EXTERIOR	Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
212 DORM 3	New Construction	EXTERIOR	Window-Casement-Trim	2' - 0"	5' - 0"	4' - 6"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
213 LAUNDRY	New Construction	EXTERIOR	Window-Casement-Trim	2' - 0"	5' - 0"	4' - 6"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
214 LAUNDRY	New Construction	EXTERIOR	Window-Casement-Trim	2' - 0"	5' - 0"	4' - 6"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
215 EXERCISE	New Construction	EXTERIOR	Window-Sliding-Double	4' - 0"	4' - 0"	3' - 6"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
216 KITCHEN/DINING	New Construction	EXTERIOR	Window-Sliding-Double	3' - 0"	4' - 0"	3' - 6"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
217 KITCHEN/DINING	New Construction	EXTERIOR	Window-Sliding-Double	4' - 0"	4' - 0"	3' - 6"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
LO1 (E) RADIO	Existing	EXTERIOR	Window-Louvers	2' - 0"	2' - 0"	7' - 8"	PAINTED HM	, - ,	REPAIR AS REQUIRED		EXISTING TO REMAIN
R01	New Construction	EXTERIOR	Window-Fixed	7' - 10"	1' - 6"	0' - 11"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	NONE		REPLACE EXISTING IN-KIND
R02	New Construction	EXTERIOR	Window-Fixed	7' - 10"	1' - 6"	0' - 11"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	NONE		REPLACE EXISTING IN-KIND
SL1 HALL 3	New Construction	EXTERIOR	Skylight	4' - 0"	3' - 0"	1	BRONZE ANOD. ALUM.	INSULATED, LOW-E	N/A		CURB MOUNTED FIXED
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WINDOW TYPICAL NOTES

1. ALL GLASS TO BE LOW-E, INSULATED, TEMPERED 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.

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3	50% DESIGN DEVELOPMENT	11/19/202

JOB NO.

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

WINDOW SCHEDULE



FINISH SCHEDULE									
WT	NAME	FLOOR FINISH	WALL FINISH	BASE FINISH	CEILING FINISH	COMMENTS			
101	WORKSHOP	SC-1	GB-1, P-2, PH-1	RB-1, CB-1	GB-1, P-2				
102	TURNOUT	SC-1	GB-2, P-2	RB-1	GB-2, P-2				
103	DECON	SC-1	GB-2, P-2, PH-1	RB-1	GB-2, P-2				
104	APPARATUS BAY	SC-1	GB-1, P-1, PH-1	RB-1, CB-1	GB-2, P-2				
105	LOBBY	RF-1	GB-1, P-1	RB-1	ACT-1				
106	HALL 1	RF-1	GB-1, P-1	RB-1	ACT-1				
107	STAFF	CP-1	GB-1, P-1	RB-1	ACT-1				
108	ELEVATOR								
109	RECORDS	CP-1	GB-1, P-1	RB-1	ACT-1				
110	ADMINISTRATION	CP-1	P-1, TS-1	RB-1	ACT-1				
111	MEETING	CP-1	GB-1, P-1	RB-1	ACT-1				
112	RESTROOM	TL-4	GB-2, P-2	RB-1	GB-2, P-2				
113	STORAGE	RF-1	GB-1, P-1	RB-1	GB-1, P-1				
114	COMPRESSOR	SC-1	GB-1, P-2	RB-1	GB-1, P-2				
115	CL								
201	(E) RADIO	SDT-1	GB-1, P-2	RB-1	GB-1, P-2				
202	(E) STORAGE	SDT-1	GB-1, P-2	RB-1	GB-1, P-2				
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	RB-1	GB-1, P-1				
205	CAPTAIN'S OFFICE	CP-1	GB-1, P-1	RB-1	GB-1, P-1				
206	KITCHEN/DINING	RF-1	GB-2, P-2	RB-1	GB-2, P-2				
207	DAYROOM	RF-1	GB-1, P-1	RB-1	GB-1, P-1				
208	HALL 2	RF-1	GB-1, P-2	RB-1	ACT-1, GB-1, P-2				
209	EXERCISE	RR-1	GB-2. P-2	RB-1	GB-1, P-2				
210	ELEVATOR		,		,				
211	HALL 3	CP-1	GB-1, P-2	RB-1	GB-1, P-2				
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	BATH 1	TL-3	GB-2, P-2, WT-1	WT-1	GB-2, P-2				
216	BATH 2	TL-3	GB-2, P-2, WT-1	WT-1	GB-2, P-2				
217	LAUNDRY	RF-1	GB-2, P-2	RB-1	GB-2, P-2				
	_ tortort	1 1 1	J 2, 1 2	1	J Z, 1 Z				

GB-1, P-2

GB-1, P-2

STORAGE

INTERIOR FINISH MATERIALS:

FLOOR

- PC-1 DENSIFIED POLISHED SEALED CONCRETE SPECIFICATION: 03 35 11 SYSTEM: SEE SPECIFICATIONS
- SC-1 SEALED CONCRETE SPECIFICATION: 03 35 11 MFR: ADVANCED FLOOR PRODUCTS SYSTEM: RETROPEL
- SDT-1 STATIC DISSIPATIVE TILE 1/8" SPECIFICATION: 09 65 00 SIZE:

COLOR:

COLOR:

COLOR:

SEE SPECIFICATION

- RR-1 RESILIENT ATHLETIC FLOORING SPECIFICATION: 09 65 00 SIZE:
- RF-1 RESILIENT FLOORING SPECIFICATION: 09 65 00 MFR: SIZE:
- RF-2 RESILIENT FLOORING SPECIFICATION: 09 65 00 SIZE: COLOR:
- CP-1 CARPET SPECIFICATION: 09 68 00 MFR: SIZE: COLOR:

INSTALLATION:

CP-2 CARPET SPECIFICATION: 09 68 00 MFR: SIZE: COLOR:

INSTALLATION:

- TL-3 PORCELAIN TILE FLOORING SPECIFICATION: 09 30 00 SIZE: COLOR: INSTALLATION:
- TL-4 PORCELAIN TILE FLOORING SPECIFICATION:09 30 00 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.B FINISH: LEVEL 5
- P-1 INTERIOR PAINT LOW VOC SPECIFICATION: 09 91 23 FINISH: EGG SHELL COLOR: TBD
- P-2 INTERIOR PAINT LOW VOC SPECIFICATION: 09 91 23 FINISH: SEMI-GLOSS COLOR: TBD
- P-3 INTERIOR PAINT METAL COATING LOW STANDARD PERFORMANCE ON SHOP PRIMED METAL SPECIFICATION: 09 91 23 FINISH: SEMI-GLOSS (METAL COATING) COLOR: TBD
- P-4 INTERIOR PAINT METAL COATING LOW PREMIUM PERFORMANCE ON SHOP PRIMED EXPOSED STRUCTURAL STEEL SPECIFICATION: 09 91 23 FINISH: SEMI-GLOSS (METAL COATING) COLOR: TBD
- TL-1 PORCELAIN WALL TILE: SPECIFICATION: 09 30 00.A SERIES: TRIM: BULLNOSE & OTHERS WHERE REQUIRED
- TL-2 PORCELAIN WALL TILE: SPECIFICATION: 09 30 00.A SERIES: SIZE: TRIM: BULLNOSE & OTHERS WHERE REQUIRED COLOR: TBD

COLOR: TBD

TS-1 THICK PHENOLIC CORE LAMINATE PANELS SPECIFICATION: 09 77 00 TYPE:

PANEL SIZE: 4'-0" X 8'-0" X .12" THK.

- SS-1 STAINLESS STEEL WALL BACKSPLASH SPECIFICATION: 05 59 00.D SEE SPECIFICATION
- FRL-1 FIBER REINFORCED LAMINATE PANELS SPECIFICATION: 09 77 10 TYPE:

FINISH:

PANEL SIZE:

- SPECIFICATION: 09 65 00.C STYLE: WALL BASE
- HEIGHT: RB-2 RESILIENT BASE - COVED SPECIFICATION" 09 65 00.C MFR: TARKETT STYLE:

MFR: TARKETT

RB-1 RESILIENT BASE

COLOR:

COLOR:

HEIGHT:

- CB-1 CONCRETE CURB SPECIFICATION: 03 00 00.B SEALED SEE SPECIFICATION
- CT-1 GLAZED CERAMIC TILE BASE SPECIFICATION: 09 30 00.B MFR: DALTILE TYPE: SIZE: COLOR:

CEILING

BL-1 ROLL DOWN BLINDS

COLOR:

MIRROR

PRODUCT NAME:

TS-1 TACKABLE SURFACE

SEE SPECIFICATION

SPECIFICATION: 12 21 23

SPECIFICATION: 10 11 00.B

SPECIFICATION: 08 83 00.A

- GB-1 GYPSUM BOARD CEILING SS-1 SIMULATED STONE COUNTERTOP SPECIFICATION: 09 29 00.A FINISH: LEVEL 5
- ACT-1 ACOUSTIC CEILING TILE SS-2 SIMULATED STONE COUNTERTOP SPECIFICATION: 09 51 23 MFR: ROCKFON SIZE: 2'-0" X 4'-0" EDGE: SQUARE TEGULAR COLOR: WHITE
 - SS-3 SIMULATED STONE COUNTERTOP SPECIFICATION: 12 36 61 MFR: -COLOR: -

SPECIFICATION: 12 36 61

SPECIFICATION: 12 36 61

CASEWORK

COLOR: -

MFR: -

COLOR: -

- CT-2 PLASTIC LAMINATE CLAD COUNTERTOP SPECIFICATION: 12 36 23 COLOR: TBD
- HPL-1 CABINET FACE HIGH PRESSURE LAMINATE SPECIFICATION: 12 36 61 MFR: TYPE: COLOR: EDGE BANDING:
- HPL-2 CABINET FACE HIGH PRESSURE LAMINATE SPECIFICATION: 12 36 61 TYPE: COLOR:
- **EDGE BANDING** HPL-3 CABINET FACE HIGH PRESSURE LAMINATE SPECIFICATION: 12 36 61 COLOR:

EDGE BANDING

- HPL-4 CABINET FACE HIGH PRESSURE LAMINATE SPECIFICATION: 12 36 61 TYPE: COLOR:
- EDGE BANDING MELAMINE INTERIOR CABINET FACE MFR: TBD (BASED ON LEED) FINISH: COMMERCIAL GRADE MELAMINE COLOR: TBD

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

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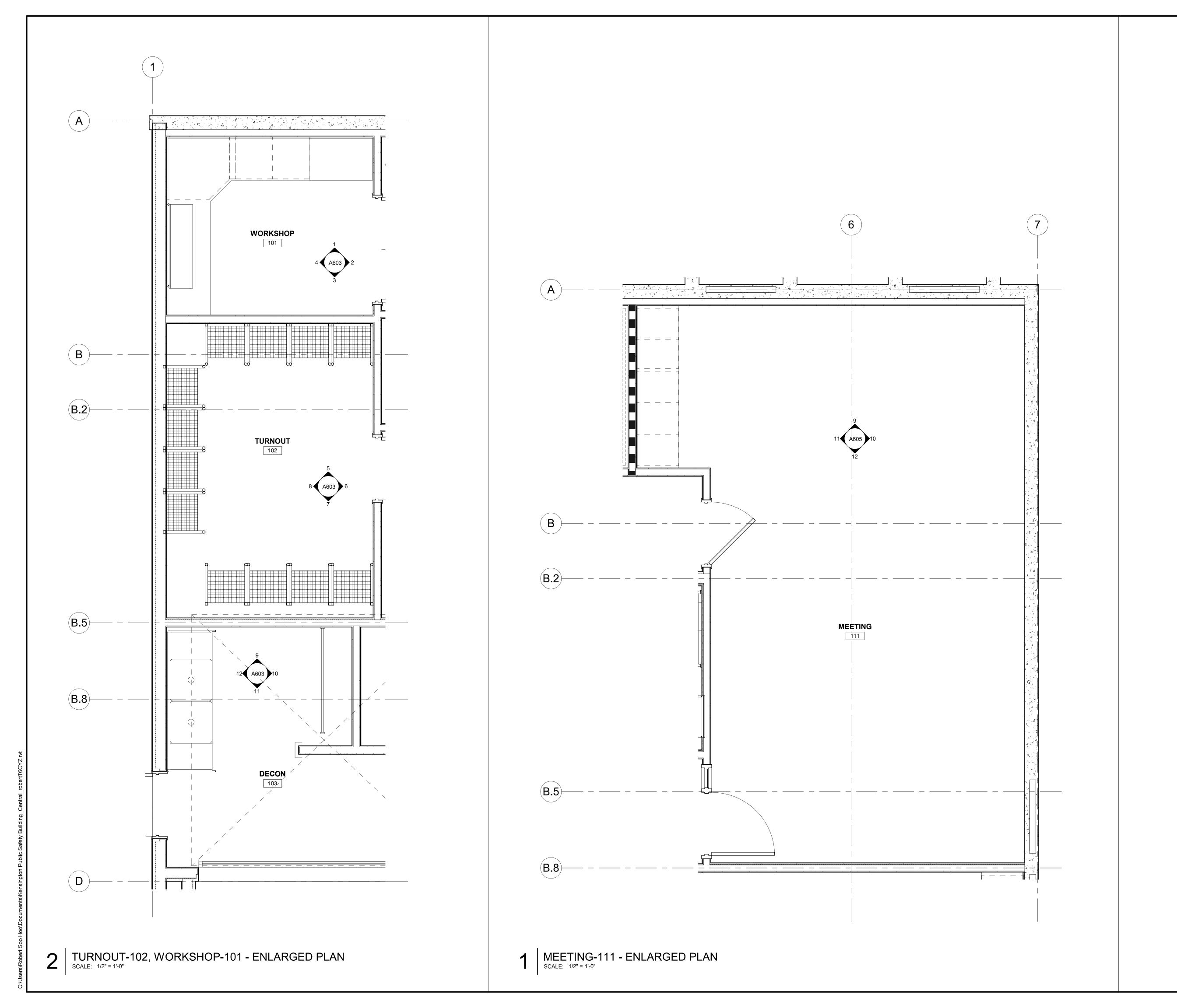
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NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/20
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JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT

PUBLIC SAFETY BUILDING

DESCRIPTION FINISH SCHEDULE



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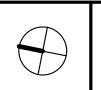
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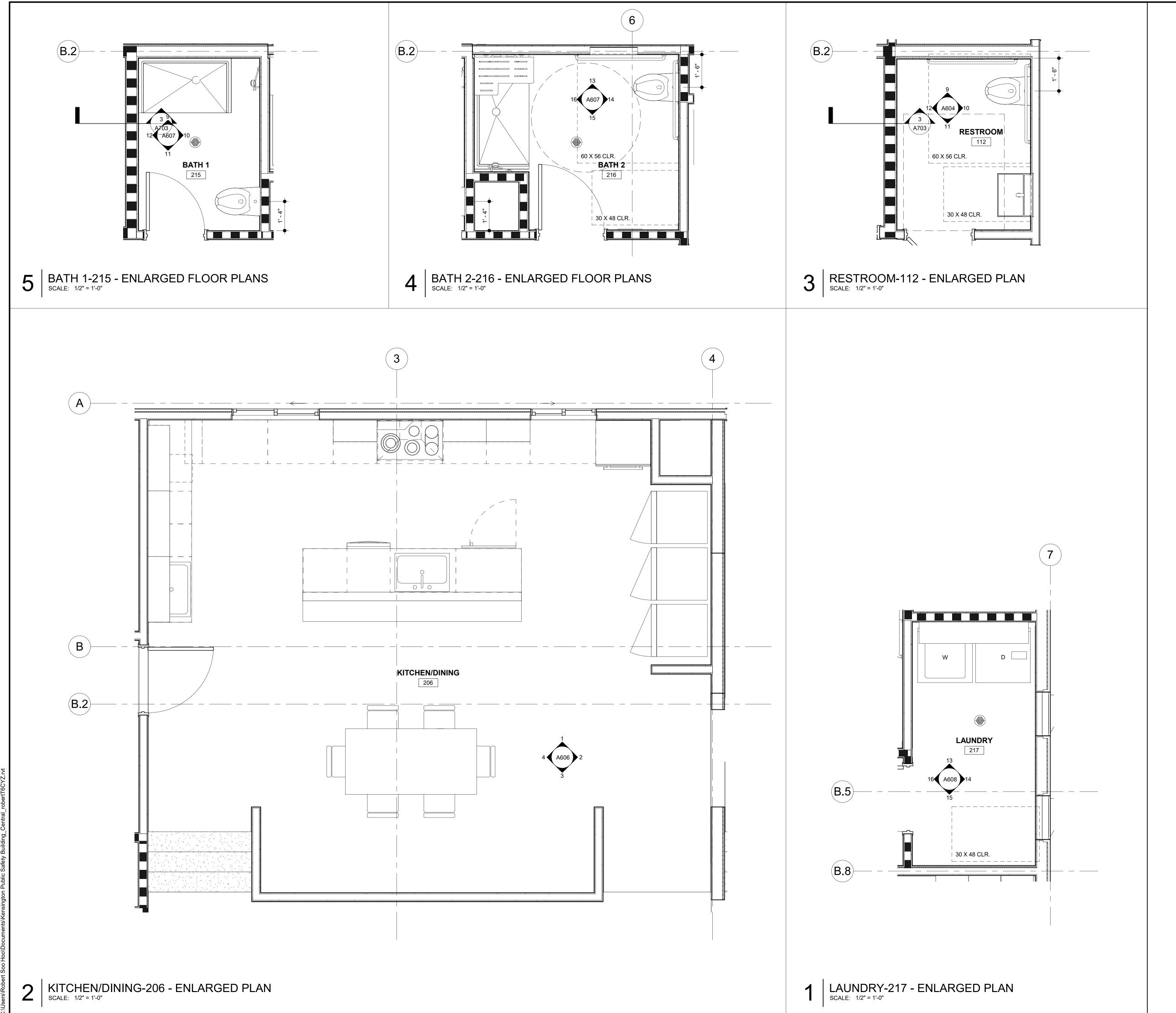
0000 KENSINGTON FIRE PROTECTION DISTRICT

PUBLIC SAFETY BUILDING

DESCRIPTION

ENLARGED PLAN & INTERIOR ELEVATIONS







0741

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OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS

T: (510) 879-4544

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

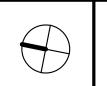
NO.	DESCRIPTION	DATE		
3	50% DESIGN DEVELOPMENT	11/19/2021		
JOB NO.				

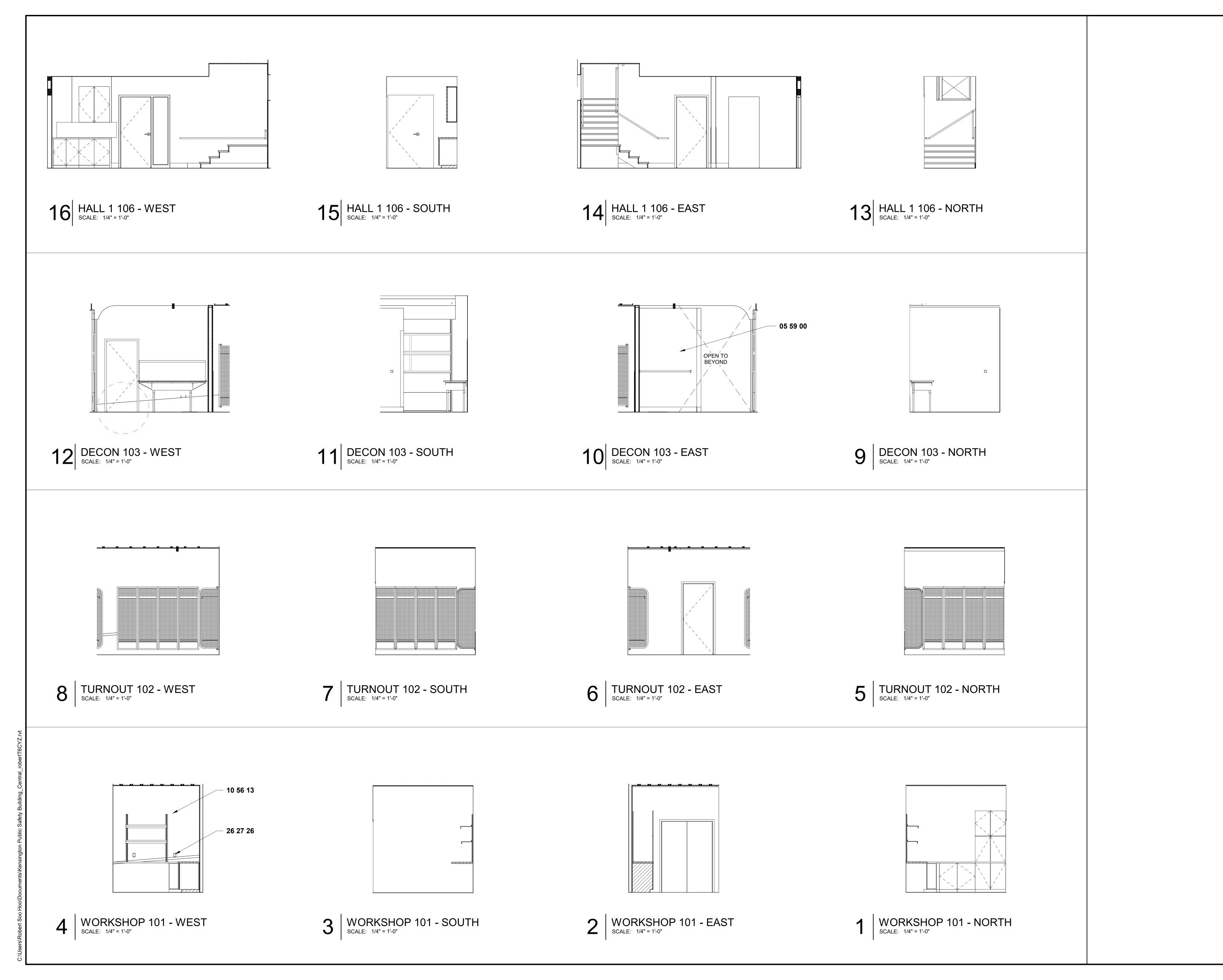
0000 KENSINGTON FIRE PROTECTION DISTRICT

PUBLIC SAFETY BUILDING

DESCRIPTION

ENLARGED PLAN & INTERIOR ELEVATIONS





PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CIVIL:

KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

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

T: (415) 378-9064

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

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

BKF ENGINEERS

HALEY ALDRICH 1956 WEBSTER ST #300

OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS

T: (510) 879-4544 LIST ENGINEERING CO.

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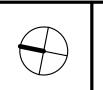
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

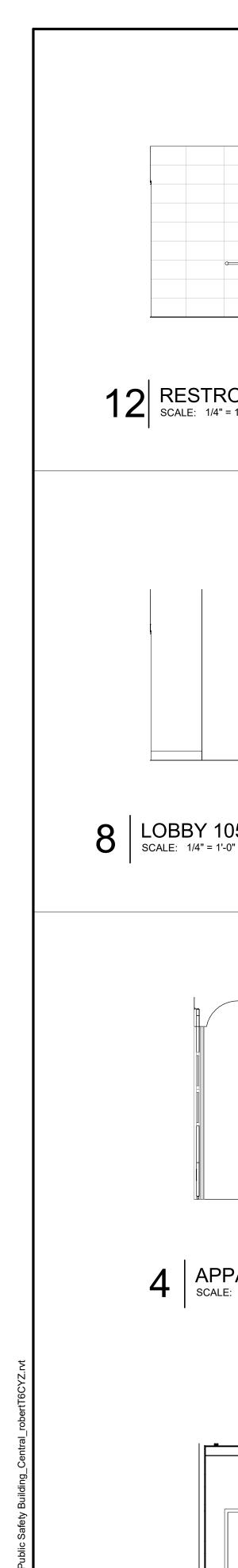
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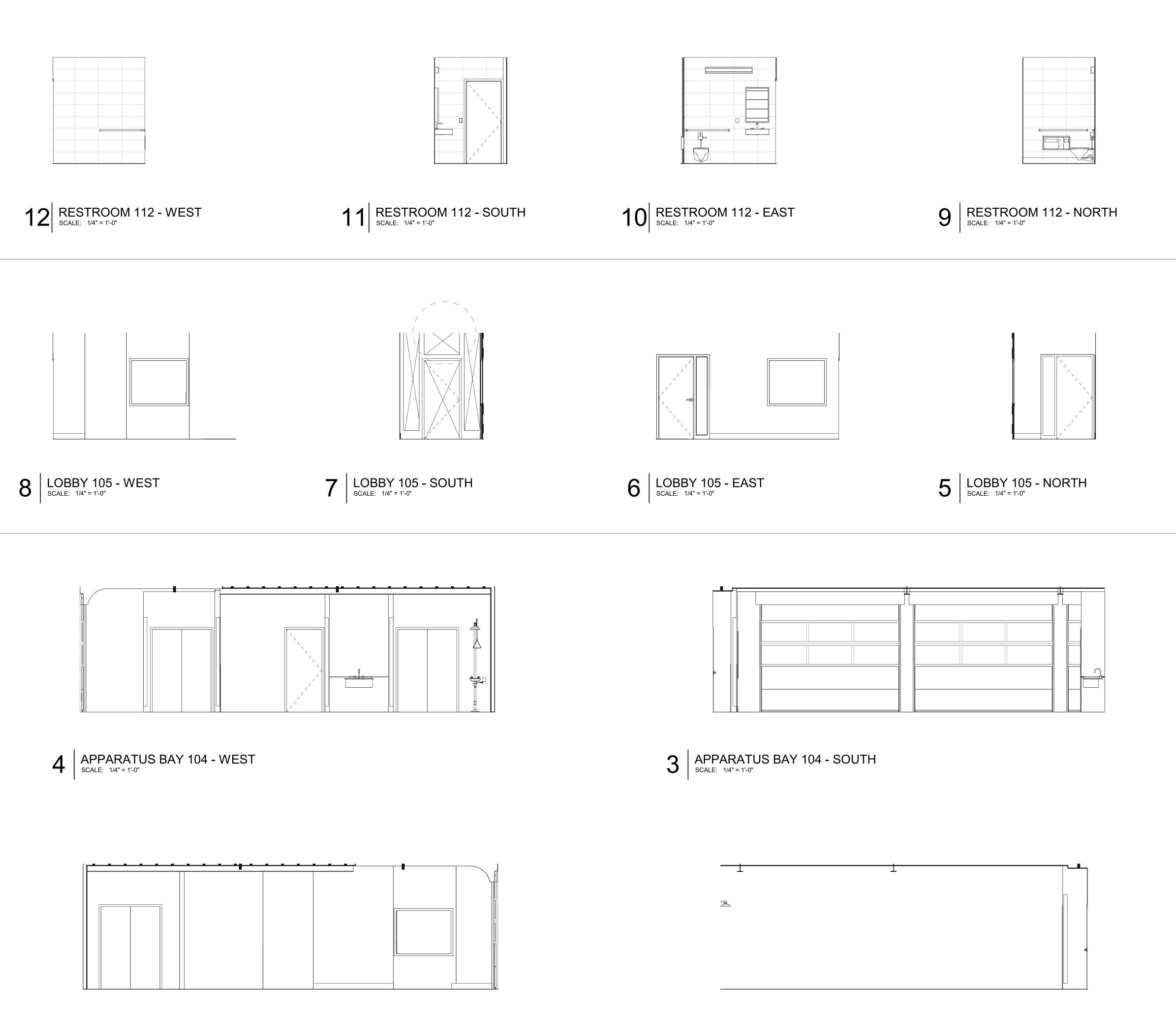
ENLARGED PLAN & INTERIOR ELEVATIONS





2 APPARATU SCALE: 1/4" = 1'-0"

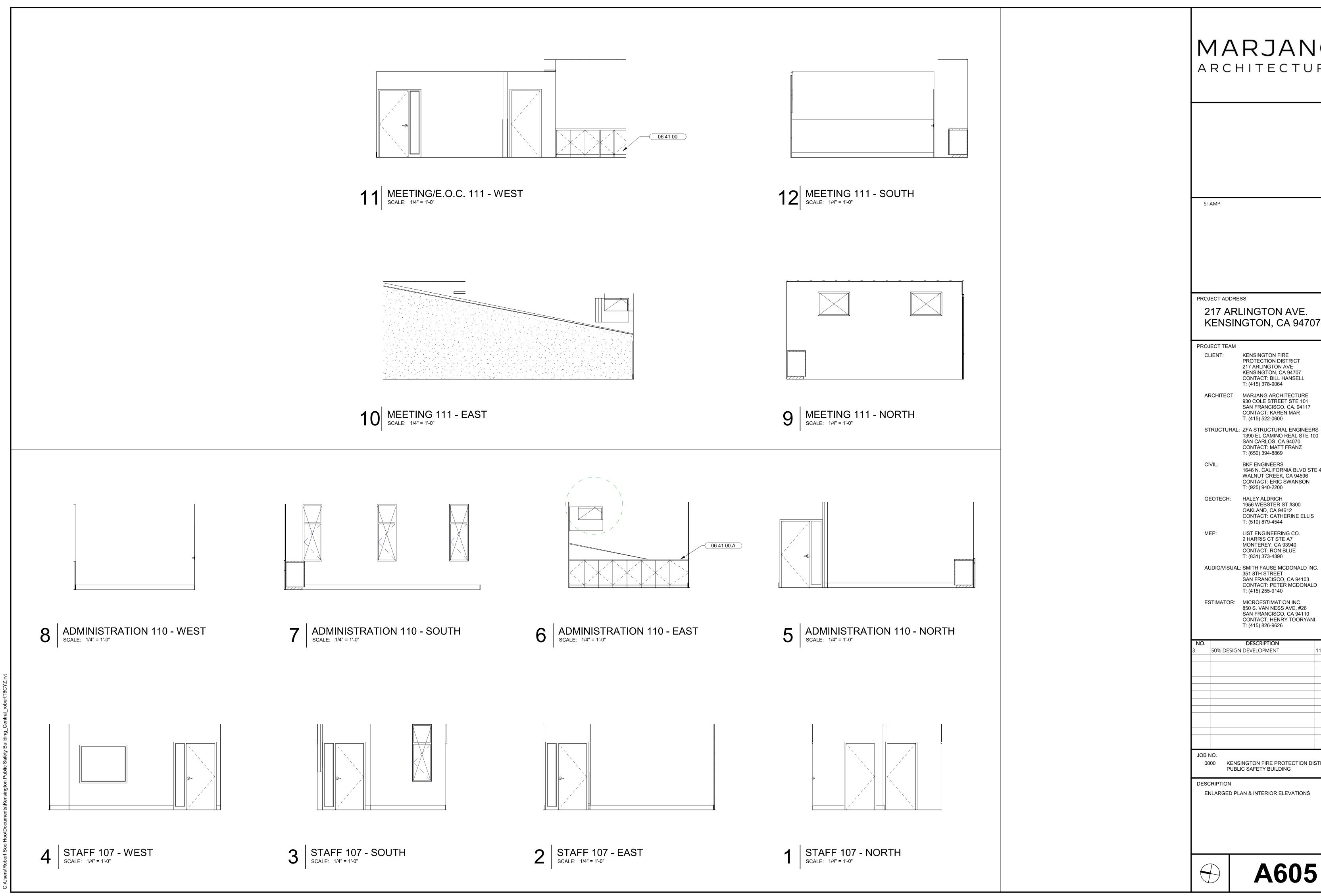
APPARATUS BAY 104 - EAST



APPARATUS BAY 104 - NORTH

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





217 ARLINGTON AVE. KENSINGTON, CA 94707

KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117

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SAN CARLOS, CA 94070
CONTACT: MATT FRANZ
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BKF ENGINEERS 1646 N. CALIFORNIA BLVD STE 400

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

HALEY ALDRICH

1956 WEBSTER ST #300 OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS

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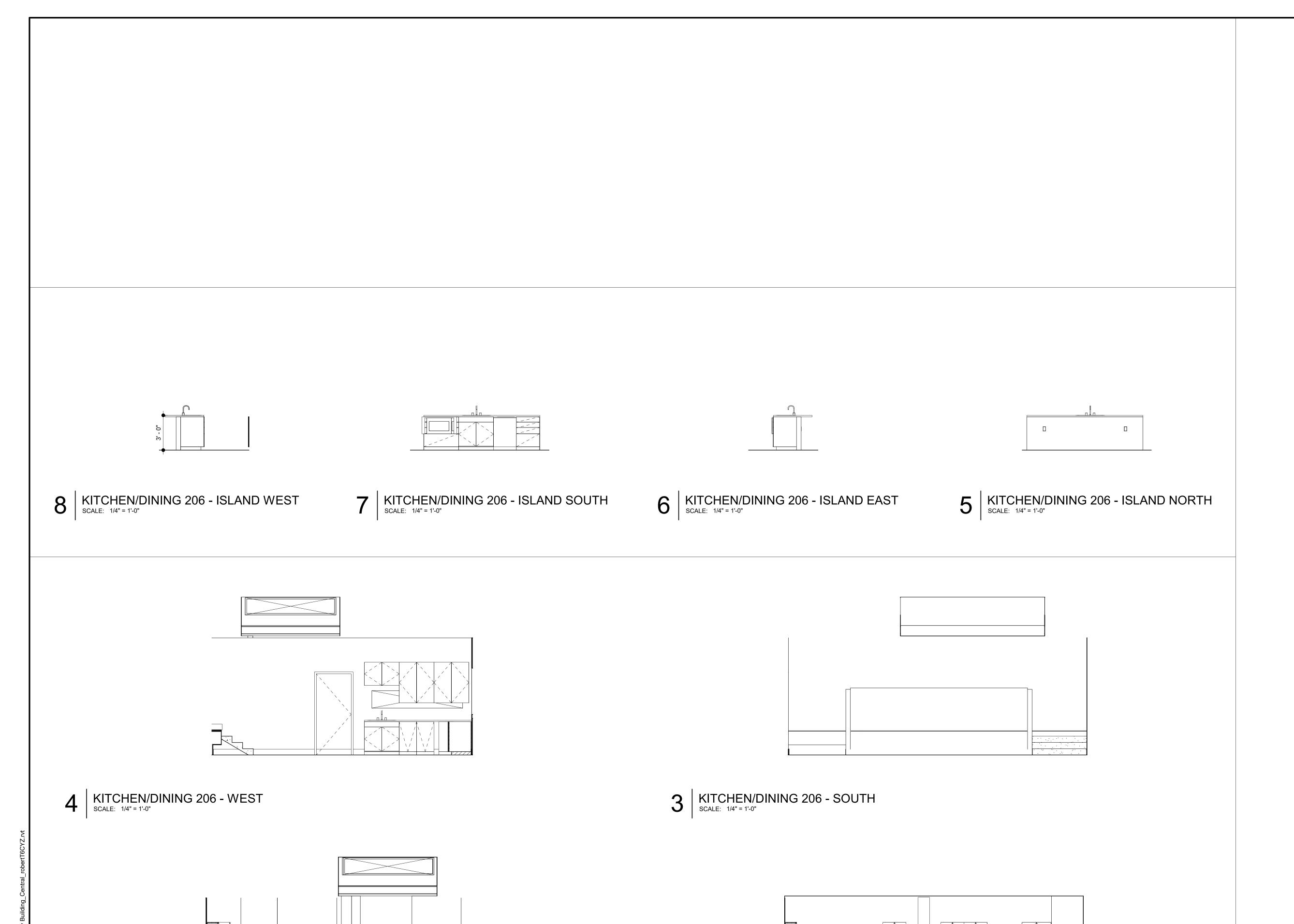
LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE

ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI

DESCRIPTION 50% DESIGN DEVELOPMENT 11/19/2021

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

ENLARGED PLAN & INTERIOR ELEVATIONS

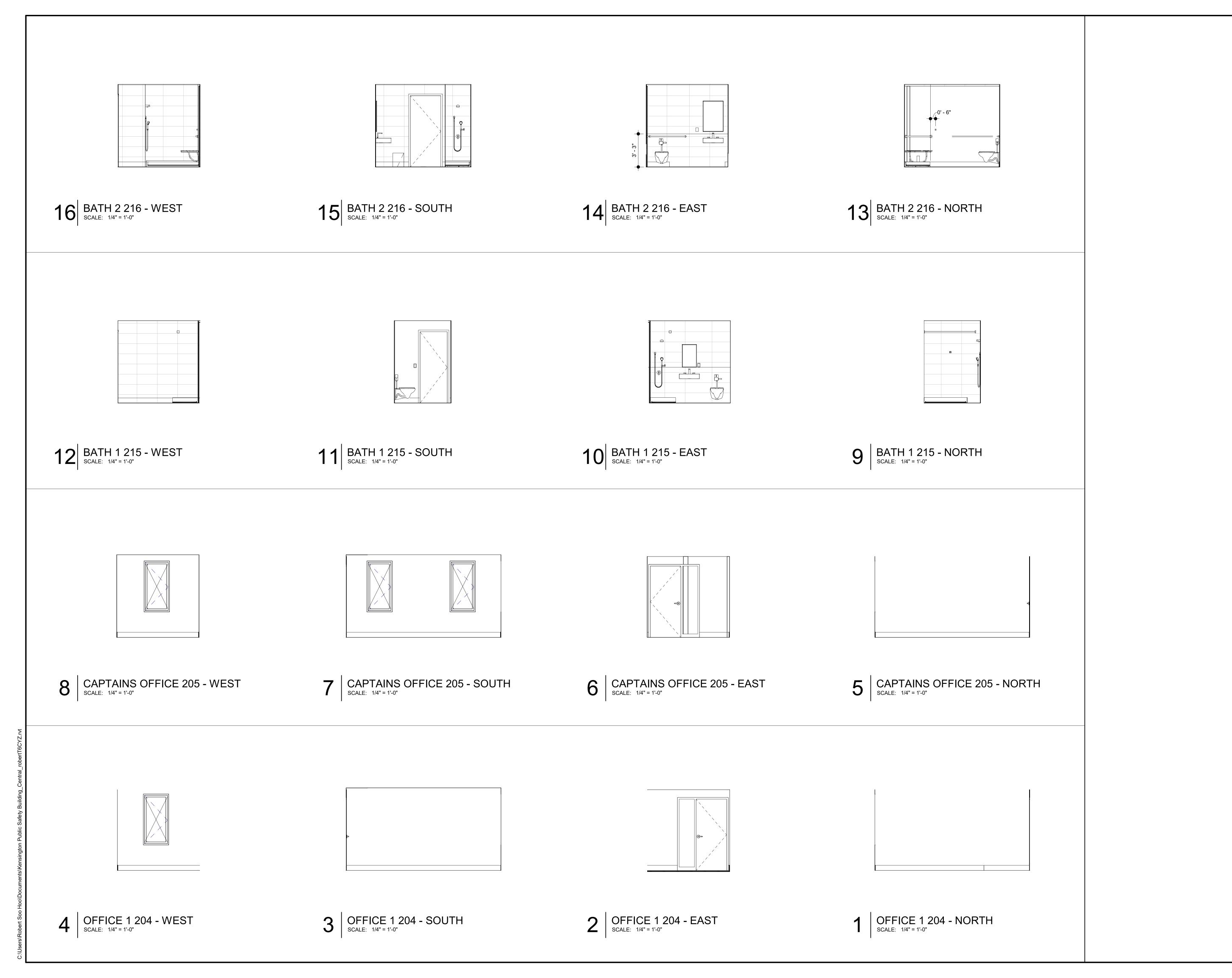


ARCHITECTURE PROJECT ADDRESS 217 ARLINGTON AVE. KENSINGTON, CA 94707 PROJECT TEAM KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL T: (415) 378-9064 ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117 CONTACT: KAREN MAR T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS
1390 EL CAMINO REAL STE 100
SAN CARLOS, CA 94070
CONTACT: MATT FRANZ
T: (650) 394-8869 **BKF ENGINEERS** 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596 CONTACT: ERIC SWANSON T: (925) 940-2200 HALEY ALDRICH 1956 WEBSTER ST #300 OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544 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 DESCRIPTION 50% DESIGN DEVELOPMENT 11/19/2021 JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING DESCRIPTION ENLARGED PLAN & INTERIOR ELEVATIONS

MARJANG

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

 \mathcal{D}



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

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

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HALEY ALDRICH 1956 WEBSTER ST #300

OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544

LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940

CONTACT: RON BLUE T: (831) 373-4390

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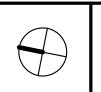
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PUBLIC SAFETY BUILDING

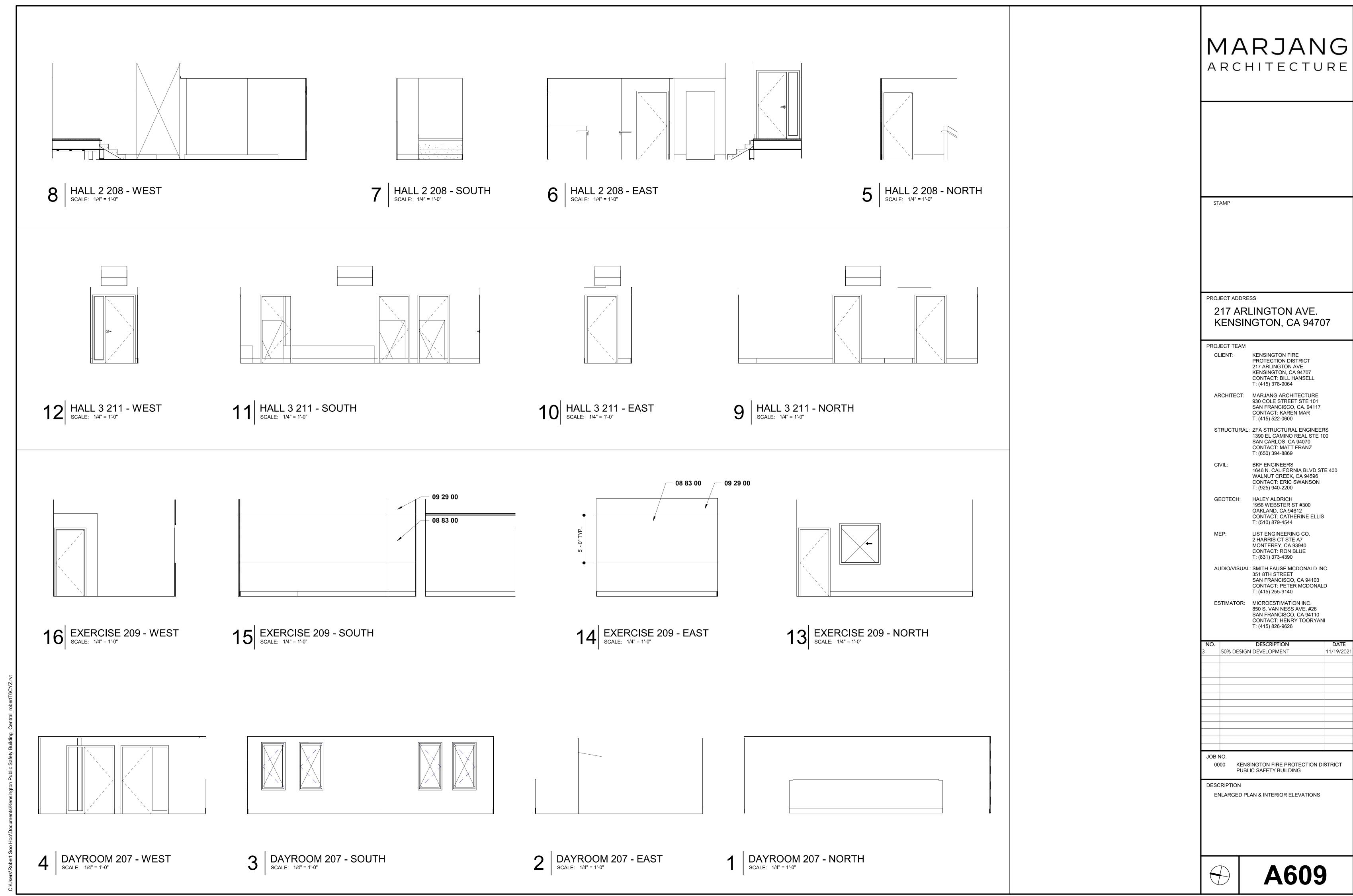
DESCRIPTION

ENLARGED PLAN & INTERIOR ELEVATIONS





11/19/2021



PROJECT ADDRESS

(E) ROOF LEVEL 22' - 7" (E) 2ND LEVEL B.O.CEILING 21' - 8 1/2"

(E) 2ND LEVEL (UPPER) 13' - 7"

(E) 2ND LEVEL 11' - 5"

(E) 1ST LEVEL 0' - 0"

Wall Section 1
SCALE: 3/8" = 1'-0"

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM CLIENT:

KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117 CONTACT: KAREN MAR

T: (415) 378-9064

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS 1390 EL CAMINO REAL STE 100 SAN CARLOS, CA 94070 CONTACT: MATT FRANZ T: (650) 394-8869

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

LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTEREY, CA 93040

T: (831) 373-4390

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

DESCRIPTION 50% DESIGN DEVELOPMENT 11/19/2021

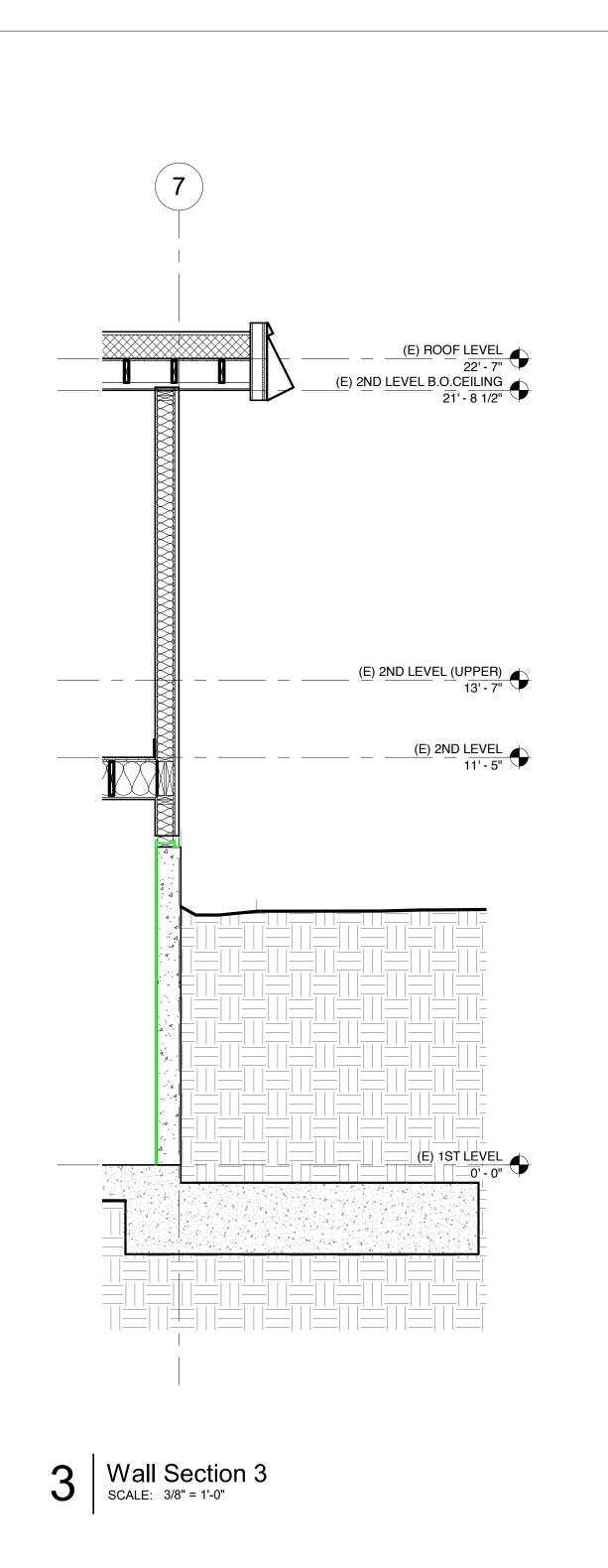
JOB NO.

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

WALL SECTIONS

A701



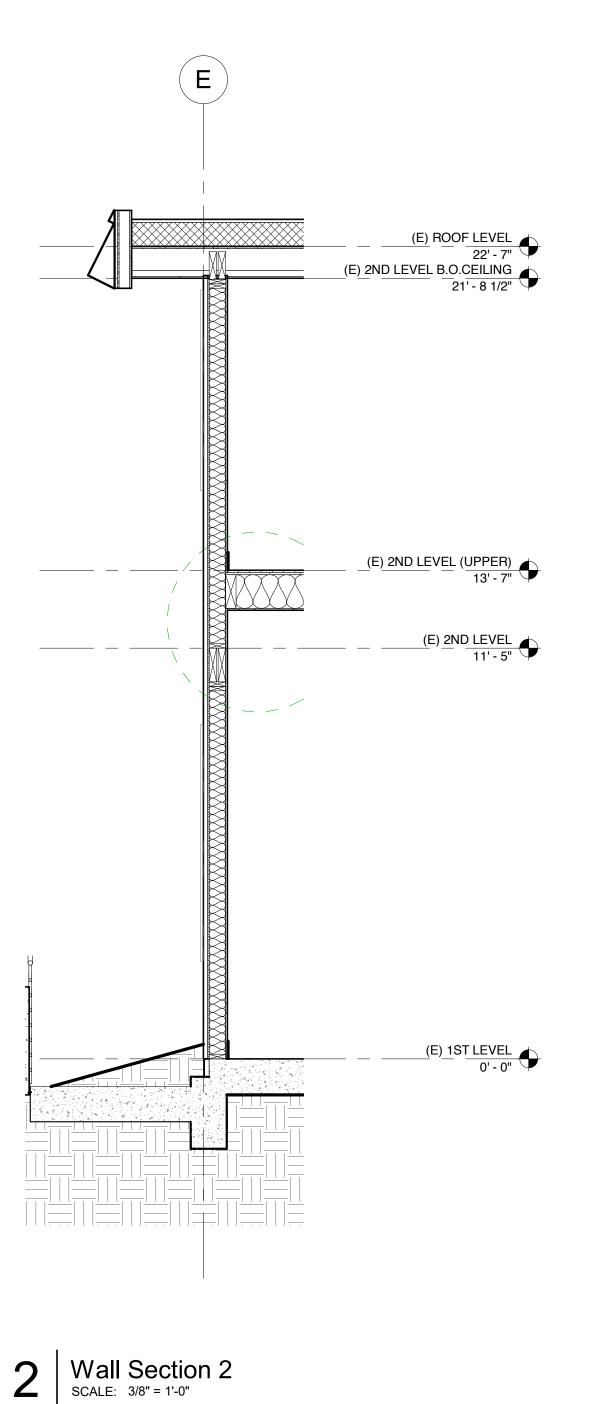
(E) ROOF LEVEL 22' - 7") 2ND LEVEL B.O.CEILING 21' - 8 1/2"

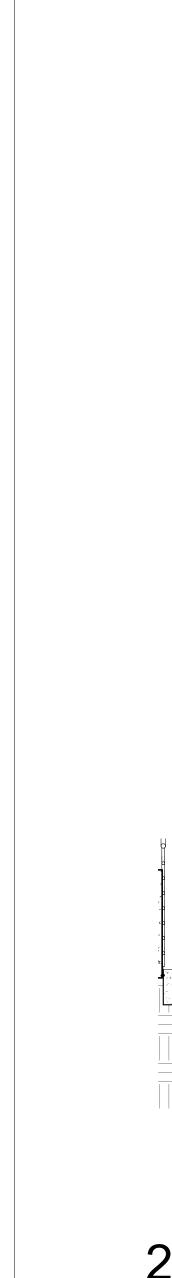
(E) 2ND LEVEL (UPPER) 13' - 7"

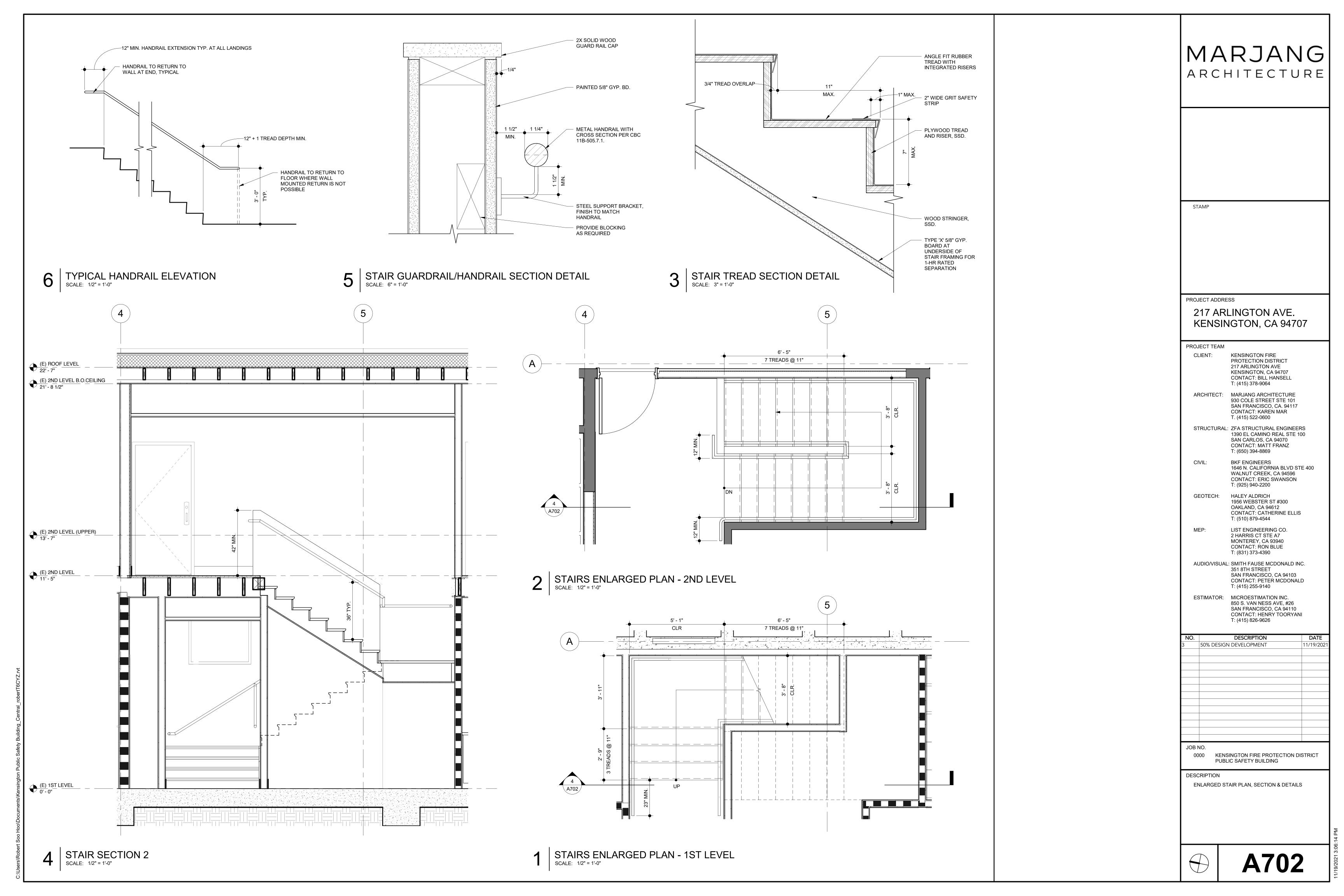
(E) 2ND LEVEL 11' - 5"

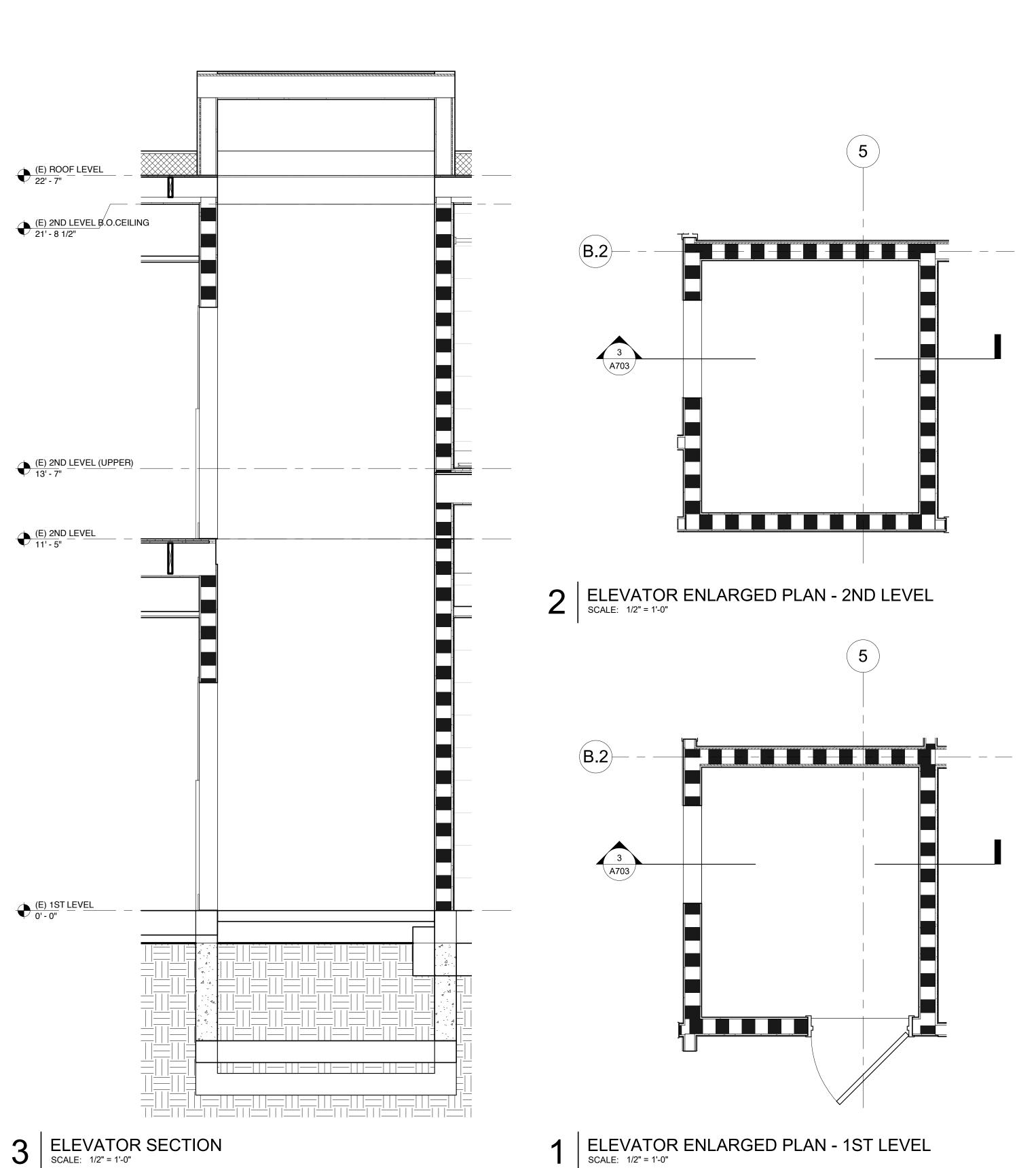
(E) 1ST LEVEL 0' - 0"

Wall Section 4
SCALE: 3/8" = 1'-0"









MARJANG ARCHITECTURE

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101

T: (415) 378-9064

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) 394-8869

BKF ENGINEERS

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

LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940

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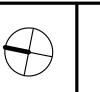
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JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT

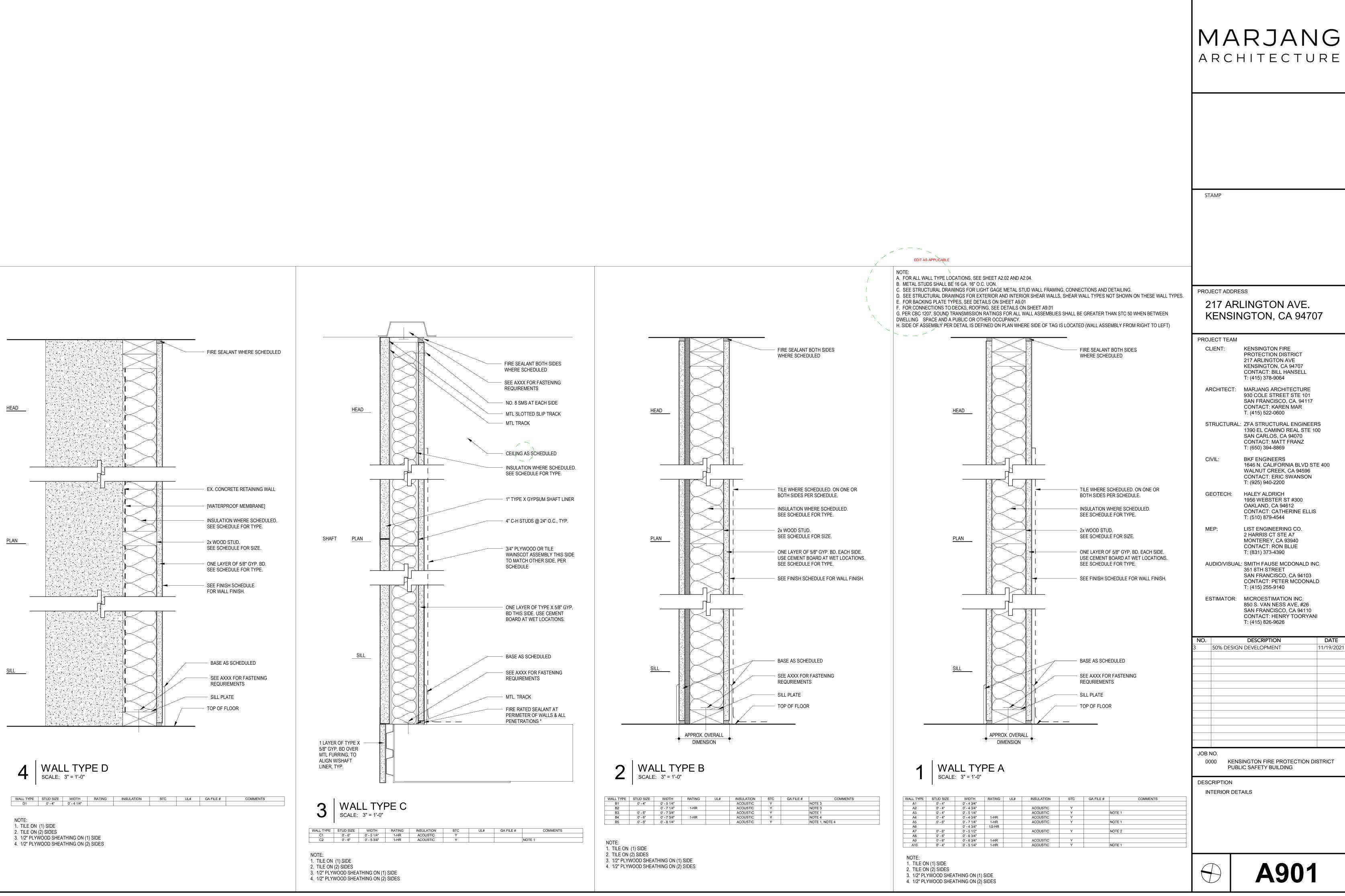
PUBLIC SAFETY BUILDING

DESCRIPTION

ENLARGED ELEVATOR PLAN, SECTION &



A703



OTHER NAIL REQUIREMENTS.

- 2. FIELD NAILING TO BE 12"oc UNO. 3. ALL SHEATHING NAILS TO BE COMMON WIRE. SEE E/S0.1 AND SPECIFICATIONS FOR
- 4. ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS ON PLANS TO HAVE SHEATHING AND PEN NAILING PER SHEAR WALL TYPE 'A'.
- 5. SHEAR WALL LENGTHS, WHERE NOTED, ARE MINIMUM. DO NOT LOCATE HOLDOWNS FROM THESE DIMENSIONS. SAD FOR ACTUAL WALL LENGTHS.
- 6. HOLDOWN REFERS TO SIMPSON STRONG TIE CO. HOLDOWNS. INSTALL HOLDOWNS AND REQUIRED POSTS PER 8/S1.2 AND 9/S1.2. SEE PLANS FOR OTHER REQUIREMENTS.
- 7. EDGE NAIL WALL SHEATHING TO STUDS OR POSTS WITH HOLDOWNS.
- 8. 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.
- 9. SHEAR WALLS MORE THAN ONE VERTICAL PANEL IN HEIGHT SHALL HAVE STAGGERED HORIZONTAL OR VERTICAL SPLICE JOINTS.
- 10. 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.
- 11. 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 3/16" LARGER THAN THE AB DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1¾", 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 4½" AND A MAXIMUM OF 12" FROM ENDS OF ALL SILL PLATES AND AT NOTCHES IN SILL PLATES.
- 12. NO OPENINGS ARE ALLOWED IN SHEAR WALLS UNLESS SHOWN ON THE STRUCTURAL PLANS. OPENINGS NOTED ARE PER 6/S1.2. COORDINATE ANY OPENINGS NOT SHOWN WITH THE STRUCTURAL ENGINEER

GALVANIZED GRADE BEAM

HEADER

HORIZONTAI

HK HORIZ

GLUE LAMINATED REAM

HOLD DOWN HOT-DIP GALVANIZED

HIGH STRENGTH BOLT

HORIZONTAL SLOTTED

HOLLOW STRUCTURAL

SHAPED WOOD BUILT

INSIDE DIAMETER

TEEL ANGLE

LAG SCREW

METAL BUILDING

MOMENT FRAME

MISCELLANEOUS

NOT APPLICABLE

ON CENTER

NON-SHRINK GROUT

OPPOSITE HAND

OPEN WEB TRUSS

POWER ACTUATED FASTENERS

PANEL EDGE NAIL PERPENDICULAR

POST ABOVE

PLATE or PROPERTY LINE

PARTIAL JOINT PENETRATION | WWR

NOT TO SCALE TOS NORMAL-WEIGHT CONCRETE TOT

MINIMUM

N/A NO or #

LIGHT GAGE METAL

IGHT GAGE METAL

LONG LEG HORIZONTAL

ONG LEG VERTICAL

FRAMING CONTRACTOR

IGHTWEIGHT CONCRETE

MANUFACTURER MISCELLANEOUS CHANNEL

MALLEABLE IRON WASHER

LAMINATED STRAND LUMBER SPEC LAMINATED VENEER LUMBER SQ

INTERIOR

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'_c = 3,000 PSI FOUNDATIONS (DESIGNED FOR 2,500 PSI)

F'_c = 3,000 PSI INTERIOR SLAB ON GRADE

PIPES - ASTM A53 GRADE B (Fy = 35,000 PSI)

ASTM A615 GRADE 60 OR A706 GRADE 60 ($F_v = 60,000 \text{ PSI}$)

STRUCTURAL STEEL (UNO): W SHAPES - ASTM A992 (Fy = 50,000 PSI) ANGLES, CHANNELS, AND PLATES - ASTM A36 (Fy = 36,000 PSI) RECTANGULAR HSS - ASTM A500 GRADE C (Fy = 50,000 PSI) ROUND HSS - ASTM A500 GRADE C (Fy = 46,000 PSI)

FASTENERS

POLINDS PER SOLIARE FO

POUNDS PER SQUARE INCH PARALLEL STRAND LUMBER

RADIUS REDUCED BEAM SECTION

REDWOOD AMERICAN STANDARD BEAM

SCHEDULE SEE ELECTRICAL DRAWING

STRUCTURAL ENGINEER C

SEISMIC FORCE RESISTING

SKYLIGHT SEE LANDSCAPE DRAWINGS

SHEET METAL SCREW SEE MECHANICAL DRAWIN

SPACING SEE PLUMBING DRAWINGS

SELECT STRUCTURAL

or STAINLESS STEEL

SLAB ON GRADE

SPECIFICATION

STAGGERED

STIFFENER

SHEAR WALL

THREADED

TOTAL LOAD TOE NAIL

TOP OF CONCRETE TOP OF FRAMING TOP OF MASONRY TOP OF PLYWOOD

UNLESS NOTED OTHERWIS VERTICAL

WI HOUT WOOD WELDED HEADED STUD WELDED WORK POINT/WATERPROOF WOOD SCREW WEIGHT

WELDED THREADED STUD WELDED WIRE

REINFORCEMENT

TOP OF STEEL

VERIFY IN FIFI D VERTICAL SLOTTED HOLE WIDE FLANGE STEEL BEAM

WITHOUT

SYMMETRICAL TOP AND BOTTOM

TONGUE AND GROOVE

SEE ARCHITECTURAL

SEE CIVIL DRAWINGS

PRESSURE TREATED

RAFTER REFERENCE REINFORCING

REQUIRED RETAINING

REVISION ROOF

SOLID BLOCK

SLIP CRITICAL

SHEATHING SIMILAR

SFRS

SHTG

THRD THRU

WHS WLD WP

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 _b (PSI)	F _v (PSI)	E (PSI)
6x POSTS	DOUGLAS FIR - #1	1200	170	1.6x10 ⁶
6x BEAMS	DOUGLAS FIR - #1	1350	170	1.6x10 ⁶
4x POSTS & BEAMS	DOUGLAS FIR - #1	1000	180	1.7x10 ⁶
2x JOISTS, RAFTERS	DOUGLAS FIR - #2	900	180	1.6x10 ⁶
P MATERIAL	DOUGLAS FIR - #2	900	180	1.6x10 ⁶
2x STUDS	DOUGLAS FIR - #2	900	180	1.6x10 ⁶

GLUE-LAMINATED WOOD DESIGN STRESSES: $F_b = 2,400 \text{ PSI}, F_v = 265 \text{ PSI FOR SIMPLE SPAN BEAMS}.$

MANUFACTURED WOOD PRODUCTS

MINOLACTORED WOOD FRODO	C13.	
LVL (JOISTS)	$F_b = 2,600 PSI$	$E = 2.0 \times 10^6 F$
LSL (BLOCKING, LEDGERS)	$F_{b} = 1,700 PSI$	$E = 1.3x10^6 F$
PSL (BEAMS, JOISTS)	$F_{b} = 2,900 \text{ PSI}$	$E = 2.2x10^6 F$
PSL (POSTS)	$F_c = 2,500 \text{ PSI}$	$E = 1.8x10^6 P$
,	(PARALLEL)	

FOR METAL CONNECTOR DESIGNATION REFER TO SIMPSON STRONG-TIE PER

EXISTING CONSTRUCTION NOTES

- 1. 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.
- 2. ALL WORK NOT INDICATED AS EXISTING (E) SHALL BE ASSUMED TO BE NEW (N).
- 3. 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 OF 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.
- 4. 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.

WOOD FRAMING NOTES

- 1. HEADERS, BEAMS, POSTS, TOP PLATE SPLICES, AND ETC., ARE PER 1/S1.2 AND 3/S1.2 WHERE NOT NOTED ON PLAN AND DETAILS.
- 2. ALL BEAMS AND JOISTS (EXCLUDING I JOISTS) SHALL BE SEAT CUT FOR FULL UNIFORM BEARING AT SUPPORTS, INCLUDING BEAM SEATS AND COLUMN CAPS.
- 3. 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.
- 4. 3½" AND 5½" WIDTHS MAY BE SUBSTITUTED FOR 3½" & 5½" WIDTHS, RESPECTIVELY, AT INDUSTRIAL APPEARANCE GRADE GLULAM MEMBERS UNO.
- 5. SEE 11/S1.2 FOR SHEATHING NAILING REQUIREMENTS. ALL NAILING NOT NOTED OR DETAILED OTHERWISE SHALL BE PER 10/S1.2. 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.
- 6. 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 <u>H/S0.1</u>TO POSTS AT ALL EXTERIOR WALLS AND INTERIOR SHEAR WALLS. POSTS AT HOLDOWNS TO BE FULL HEIGHT AND PER8/S1.2
- 8. FOR ROOF DRAINAGE, TOP OF FRAMING BETWEEN NOTED POINTS IS A STRAIGHT
- ALL MECHANICAL SUPPLY AND RETURN OPENINGS TO BE BETWEEN FRAMING UNO. 10. HSS OR PIPE COLUMNS IN STUD WALLS ARE TO BE TRIMMED PER 6/S1.3. REFER TO
- PLANS AND DETAILS FOR OTHER REQUIREMENTS. 11. 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 12. PROVIDE SOLID BLOCKING @ 8'-0"oc MAX FOR ALL 2x12 REPETITIVE FRAMING.
- PROVIDE SOLID BLOCKING OR SIMPSON TB X-BRIDGING @ 8'-0"oc MAX FOR ALL 11/2" LSL AND 13/4" LVL REPETITIVE FRAMING WITH A DEPTH OF 111/4" OR GREATER.
- 13. PROVIDE ADDITIONAL JOIST BELOW ALL OR ADJACENT TO NON-STRUCTURAL WALLS PARALLEL TO FRAMING, UNO.
- 14. ROUND HOLES IN STEEL PLATES TO BE 1/16" OVERSIZE. SLOTTED HOLES IN STEEL PLATES SHALL BE 1/16" 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 1/32" 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.
- 15. 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 1½" EDGE OF THE MEMBER.
- 16. THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND SHEATHING MEET THE REQUIREMENTS OF THE SPECIFICATIONS AT DESCRIPTION OF ALL PROVIDE TO SHALL THE TIME OF INSTALLATION AND AT CLOSE-IN. THE CONTRACTOR SHALL PROVIDE ALLOWANCE FOR DIFFERENTIAL SHRINKAGE BETWEEN FLOORS, ETC.
- 17. VENTING IS REQUIRED IN ENCLOSED FRAMING AREAS, SAD. DRILL BLOCKING AND LEDGERS AND PROVIDE SKIP BLOCKING AS DETAILED.
- 18. SAD FOR CEILING INFO. WHERE REQUIRED PROVIDE CEILING JOISTS PER 4/S1.3
- 19. ALL SHEATHING SHALL HAVE 1/8" GAP AT ALL EDGES AND JOINTS. TYPICAL
- A. FLAT ROOF SHEATHING (SLOPE 2:12 OR LESS): 19/32 " T&G APA RATED SHEATHING (40/20) EXP 1 WITH 10d @ 4"oc EDGES (PEN) AND 12"oc FIELD UNO ON PLANS. LAY PERPENDICULAR TO FRAMING MEMBERS. BLOCK EDGES WITH 2x4 LAID FLAT. NO PANELS LESS THAN 24" WIDE SHALL BE USED. STAGGER SHEETS.
- B. FLOOR SHEATHING: 23/32 T&G APA RATED SHEATHING (48/24) EXP 1 WITH 10d @ 4"oc EDGES (PEN) AND 12"oc FIELD UNO ON PLANS. LAY PERPENDICULAR TO & GLUE TO FRAMING MEMBERS IMMEDIATELY PRIOR TO FULL NAILING (DO NOT SPOT NAIL). BLOCK EDGES WITH 2x4 LAID FLAT AS NOTED ON THE PLANS AND DETAILS. NO PANELS LESS THAN 24" WIDE SHALL BE USED. STAGGER SHEETS. ALTERNATE FASTENER: SIMPSON WSV #9x2" MIN SCREW (ICC ESR-1472). MIN 11/4" FRAMING/BLOCKING EMBEDMENT.

√ FOUNDATION NOTES

- ALLOWABLE (ASD) FOUNDATION DESIGN PRESSURES ARE:
 - SHALLOW FOOTINGS: DEAD LOAD + LIVE LOAD = 3,000 PSF DEAD LOAD + LIVE LOAD + LATERAL = 4,000 PSF
- THE REQUIREMENTS OF THE GEOTECHNICAL REPORT NOTED BELOW, AND CHAPTER 18 OF THE CBC. ALL FOUNDATIONS SHALL BEAR ON FIRM, UNDISTURBED, NATIVE SOILS OR ENGINEERED FILL AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS. ENGINEERED FILL TO BE COMPACTED PER GEOTECHNICAL REPORT. INCREASE FILL AND OR FOOTING DEPTH AS REQUIRED BY GEOTECHNICAL ENGINEER. ALL FOOTING EXCAVATIONS SHALL BE AS NEAT AS PRACTICABLE. FOOTING WIDTH, WHICH EVER IS LESS, 6 INCHES MAXIMUM PER SIDE, LARGER

ALL SOILS WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND

- MAXIMUM OVER EXCAVATION IN WIDTH SHALL BE LESS THAN 12 INCHES OR 25% OF 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:
- **GEOTECHNICAL** REPORT NO. XX-XX DATED: XX-XX
- WHERE BOTTOM OF ADJACENT FOOTINGS ARE DIFFERENT PROVIDE STEPPED FOOTING PER 8/S1.1.
- 4. 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 (B PRIOR TO PLACEMENT OF CONCRETE. SEE SHEAR WALL SCHEDULE FOR ADDITIONAL REQUIREMENTS. MINIMUM TWO ANCHOR BOLTS PER SILL PIECE.
- TYPICAL SLAB: 4" CONCRETE REINFORCED WITH #3 @ 16"oc EACH WAY AT MID-DEPTH OVER VAPOR RETARDER (PER SPECIFICATIONS) AND 4" MINIMUM FREE DRAINING COMPACTED CRUSHED ROCK 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/S1.1 FOR PIPES AND CONDUITS.
- PROVIDE CONTROL JOINTS PER 6/S1.1(OR CONSTRUCTION/DOWEL JOINTS 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 JOINTS TO DIVIDE SLAB INTO RECTANGULAR AREAS WITH LONG DIMENSION LESS THAN 1.5 x SHORT DIMENSION. INSTALL JOINTS 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.
- 9. DO NOT UNDERCUT EXISTING FOUNDATIONS. NOTIFY ENGINEER FOR REVIEW AND POSSIBLE REVISIONS, IF EXISTING FOUNDATION CONDITIONS ARE NOT AS SHOWN.
- 10. TOP OF FOOTING ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR BASED ON INFORMATION FROM THE CIVIL DRAWINGS. GEOTECHNICAL REPORT. LANDSCAPE, ETC.

SPECIAL INSPECTION BY OWNERS

- 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:
- 1. 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
- **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 HOLDOWNS; 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 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.
- 6. SPECIAL CASES PER CBC SECTION 1705.1.1 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.

DESIGN CRITERIA

8 PSF

UTURE SOLAR:

DESIGN CRITERIA: 2019 CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2 (CBC) AND 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC) 50 PSF (REDUCIBLE) 20 PSF (REDUCIBLE) ROOF LIVE LOAD:

RISK CATEGORY ULTIMATE WIND SPEED (3 SEC GUST) IN MPH: 102 WIND DATA: WIND EXPOSURE: C INTERNAL WIND PRESSURE COEFFICIENT (GCPI) = ±0.18

COMPONENTS AND CLADDING DESIGN PRESSURES FOR SYSTEMS DESIGNED BY OTHERS SHALL COMPLY WITH THE "ASCE 7-16" DESIGN STANDARD EARTHQUAKE DATA: SEISMIC IMPORTANCE FACTOR, I. 1.5

> MAPPED SPECTRAL RESPONSE ACCELERATIONS: $S_s = 2.277g$; $S_1 = 0.880g$ SITE CLASS: C SPECTRAL RESPONSE COEFFICIENTS: $S_{DS} = 1.822g$; $S_{D1} = 0.821g$ SEISMIC DESIGN CATEGORY: F SEISMIC FORCE RESISTING SYSTEM(S): WOOD FRAMED SHEAR WALLS

RESPONSE MODIFICATION FACTOR(S): R = 6.5 DESIGN BASE SHEAR: 64k (ASD) SEISMIC RESPONSE COEFFICIENT(S), C_S = 0.42 (ULTIMATE) ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE

DESIGNED TO ADDRESS INADEQUATE WOOD SHEAR WALL CAPACITIES

SEISMIC FORCES ARE REDUCED TO 75% OF CURRENT CODE PER CEBC INTERIOR TENANT IMPROVEMENTS INCLUDING ROOF TOP MECHANICAL UNITS, REMOVAL OF EXISTING BEARING WALLS AND RESUPPORT OF SECOND FLOOR AND ROOF FRAMING. SEISMIC UPGRADES WERE

GENERAL NOTES

- . REFER TO SHEETS <u>S1.1</u>, <u>S1.2</u> AND <u>S1.3</u> FOR STANDARD DETAILS OF CONSTRUCTION. REFER TO THE PROJECT SPECIFICATIONS FOR MATERIALS AND METHODS.
- 2. 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
- 3. STRUCTURAL DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING
- 4. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.
- 5. REFER TO ARCHITECTURAL DRAWINGS FOR SIDEWALK SLABS AND DIMENSIONS.
- 6. COORDINATION OF MECHANICAL, ELECTRICAL, PLUMBING, AND SITE UTILITY SYSTEMS WITH THE STRUCTURAL SYSTEM IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. USE DETAILS ON SHEETS <u>\$1.1</u> THROUGH <u>\$1.3</u>. 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/S1.3.
- 8. 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.
- 9. SPECIAL INSPECTIONS ARE REQUIRED PER <u>D/S0.1</u> AND THE TESTING AND INSPECTION FORM
- 10. 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.
- 11. STRUCTURAL OBSERVATION PER CBC SECTION 1704.6 IS REQUIRED. NOTIFY ZFA FOR GENERAL ON SITE REVIEW OF:
- 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

12. 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

WORKING DAYS MINIMUM SCHEDULING NOTICE PRIOR TO REVIEW DATE.

A. ELEVATOR - STRUCTURAL DESIGN AND DRAWINGS OF ELEVATOR GUIDES, RAILS, SUPPORTS, ETC, SHALL BE PROVIDED BY THE ELEVATOR MANUFACTURER/SUPPLIER. CONFORM TO CAL OSHA REQUIREMENTS

ENGINEER FOR THE FOLLOWING ITEMS, UNLESS NOTED OTHERWISE:

B. STORE FRONT, CURTAIN WALL, GLAZING AND SKYLIGHT SYSTEMS: INCLUDE ATTACHMENTS TO STRUCTURE.

	SHEET INDEX						
S0.1	GENERAL NOTES AND SPECIFICATIONS						
S1.1	TYPICAL CONCRETE DETAILS						
S1.2	TYPICAL WOOD DETAILS						
S1.3	TYPICAL WOOD DETAILS						
S2.1	FOUNDATION PLAN						
S2.2	SECOND FLOOR FRAMING PLAN						
S2.3	ROOF FRAMING PLAN						
S3.1	ELEVATIONS & SCHEDULES						
S4.1	FOUNDATION DETAILS						
S6.1	SECOND FLOOR DETAILS						
S6.2	ROOF DETAILS						

MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS

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zfa job no. 21479

NO.	DESCRIPTION	DATE

JOB NO. 21479

KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

GENERAL NOTES AND SPECIFICATIONS

ABBREVIATIONS

ANCHOR BOLT

ADDITIONAL ALTERNATE

BRACED FRAME

BLOCK/BLOCKING

BEAM BOUNDARY NAIL

CALIFORNIA

CARRIAGE BOLT

CENTERLINE

CONCRETE

ORDINATE

OUNTERSINK UT WASHER

IAMETER

DIMENSION DISTANCE

DOWEL JOINT
DEAD LOAD
DOWN
DITTO
DRAWING
DOWEL
EACH
EACH END

FACH FACE

EQUAL EQUIPMENT EACH SIDE EACH WAY EXISTING

EXPANSION

FOUNDATION

FINISH GRADE

FACE NAIL FACE OF CONCRETE FACE OF MASONRY FACE OF STUD

ELECTRICAL FI FVATOR/FI FVATION

CONCRETE MASONRY UNI

DEFORMED BAR ANCHOR DOUBLE

DEMAND CRITICAL WELD

PENETRATION

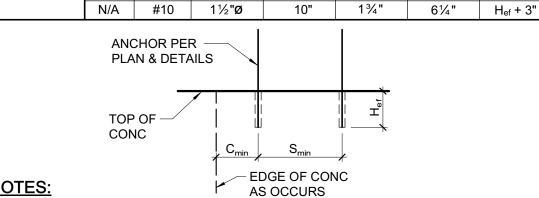
AMERICAN STANDARD

COLD FORMED STEEL CAST IN PLACE

CERTIFIED GLUED LUMBER Lb or # LGMF

ALUMINUM ARCHITECT

AIR CONDITIONING



1%**"ø**

10"

1¾"

61/4"

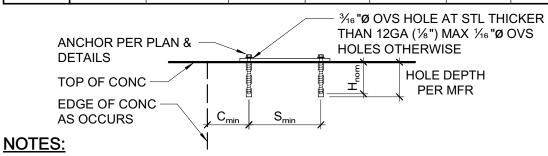
1¼"ø N/A

NOTES:

- 1. INSTALL ADHESIVE ANCHORS PER MANUFACTURER'S INFORMATION AND ICC
- 2. CONTRACTOR TO VERIFY MINIMUM EDGE DISTANCES, SPACING, AND THICKNESS ARE IN ACCORDANCE W/ SCHEDULE PRIOR TO INSTALLING ANCHOR.
- 3. 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.
- 4. 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.

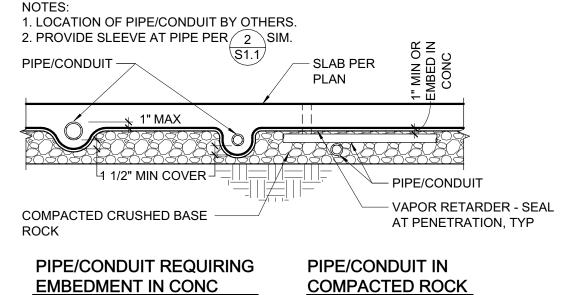


SCREW ANCHOR IN 2500 PSI MIN CONCRETE								
ANCHOR TYPE	ANCHOR AND PILOT HOLE DIA	MINIMUM EMBEDMENT H _{nom}	MINIMUM EDGE DIST C _{min}	MINIMUM SPCG S _{min}	MINIMUM CONCRETE THICKNESS H _{min}	INSTALL	MAXIMUM INSTALL TORQUE (FT-LB)	
	1/4"	1%"	1½"	1½"	31/4"	10	24	
SIMPSON TITEN HD (ICC-ESR 2713)	3/8"	2½"	13/4"	3"	4"	10	50	
	1/2"	31/4"	1¾"	3"	5"	10	65	
	5/8"	4"	13/4"	3"	6"	10	100	
	3/4"	5½"	1¾"	3"	8¾"	20	150	
	1/4"	1%"	1½"	1½"	3¼"	10	18	
HILTI	3/8"	2½"	1½"	3"	4"	10	40	
KH-EZ	1/2"	3"	13/4"	3"	4¾"	10	45	
(ICC-ESR	5/8"	31/4"	13/4"	4"	5"	10	85	
3027)	3/4"	4"	1¾"	4"	6"	20	95	

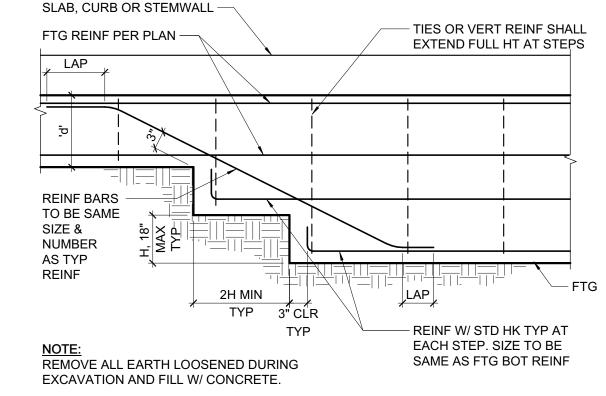


- 1. INSTALL SCREW ANCHORS PER MANUFACTURER'S INFORMATION AND ICC REPORT INSTRUCTIONS. SPECIAL INSPECTION IS REQUIRED PER SECTION 1705 OF THE CBC AND THE REQUIREMENTS OF THE ICC REPORTS. INSTALLED ANCHORS SHALL BRING CONNECTED PLIES INTO FIRM CONTACT, MEETING THE INSTALL TORQUE BUT NOT EXCEEDING THE MAXIMUM INSTALL TORQUE.
- 2. CONTRACTOR TO VERIFY MINIMUM EDGE DISTANCES, SPACING AND THICKNESS ARE IN ACCORDANCE W/ SCHEDULE PRIOR TO INSTALLING ANCHOR.
- 3. HOLES TO BE DRILLED W/ ROTARY DRILL ONLY. WHEN INSTALLING DRILLED-IN ANCHORS 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.
- 4. 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

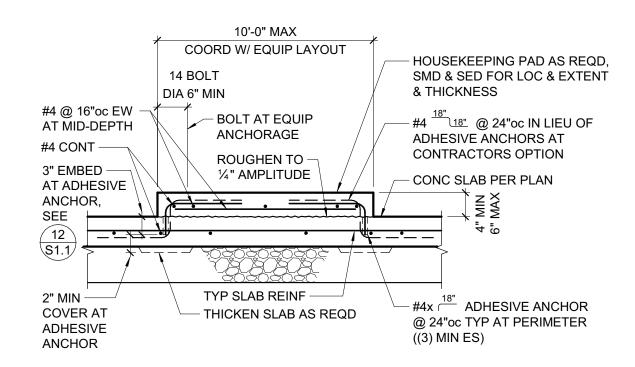




CONDUIT & PIPE AT SLAB ON GRADE



3/4" = 1'-0"



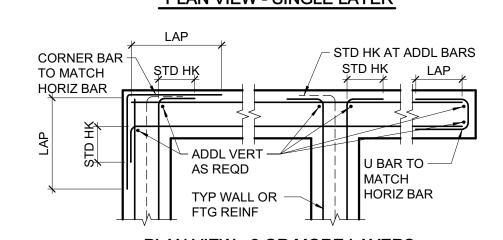
ROUGHEN JT TO EXPOSE REINF CONT THRU AGGREGATE TO 1/4" OR LAP PER AMPLITUDE KEY FROM BEVELED 2x8 DO NOT LOCATE WITHIN

48" OF HOLDOWN OR COL LOCATION OF JOINTS TO BE SUBMITTED TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACEMENT OF CONCRETE

TYPICAL HOUSEKEEPING PAD AT SLAB ON GRADE

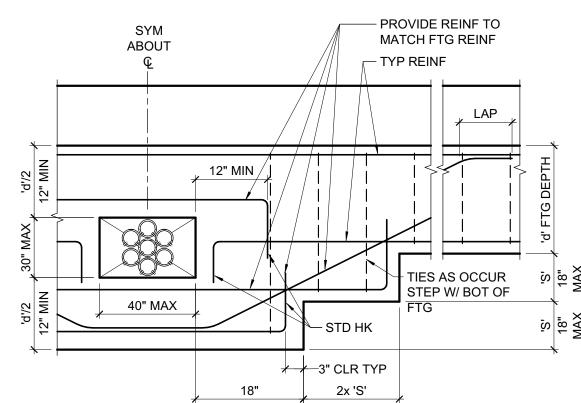
STD – ADDL VERT — (2) ADDL -AS REQD VERT AS - CORNER BAR TO REQD MATCH HORIZ BAR

✓ TYP WALL OR $-\!\!\!-\!\!\!/$ \perp FTG REINF PLAN VIEW - SINGLE LAYER



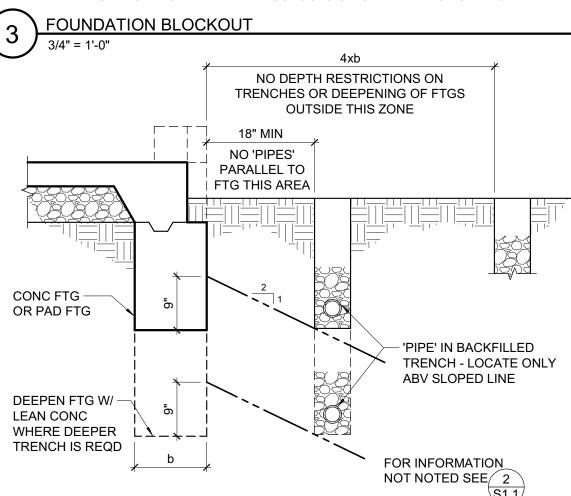
PLAN VIEW - 2 OR MORE LAYERS FOOTING REINFORCING AT CORNER AND INTERSECTION TO BE SIMILAR

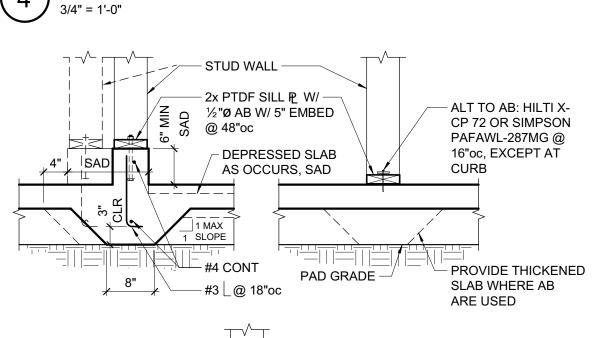
TYPICAL CORNER. INTERSECTION AND END REINFORCING



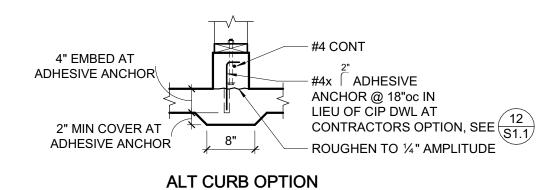
1. DO NOT LOCATE BLOCKOUT WITHIN 48" OF SHEAR WALL HOLD DOWN, IN FRAME

FOUNDATIONS OR COLUMN PAD FOOTINGS. 2. MINIMUM DISTANCE BETWEEN BLOCKOUTS OR OTHER PIPES TO BE 48".

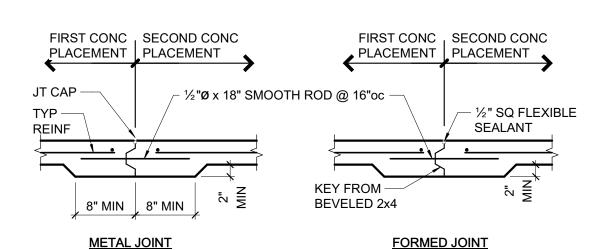




TRENCHING ADJACENT TO FOOTING



NON-BEARING STUD WALL AT SLAB



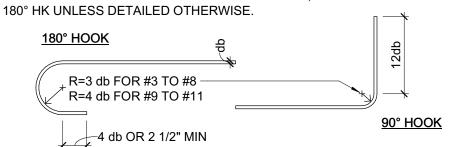
CONSTRUCTION/DOWEL JOINT - PLASTIC CJ OR - SAWCUT WITHIN 8 HOURS 1/8" MASONITE OR OF CONC PLACEMENT. ½" TOOLED JT FILLED USE JT SEALANT W/ FLEXIBLE SEALANT COMPOUND TO FILL CUT TYP SLAB ON GR TYP SLAB ON GR TYP REINF CONT THRU TYP REINF CONT THRU

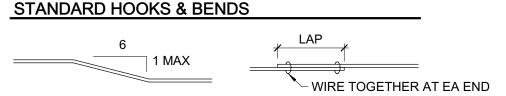
SLAB ON GRADE JOINTS

MINIMUM BAR LAPS FOR REINFORCING STEEL CONCRETE STRENGTH: 2500 PSI OR GREATER (STAGGER SPLICES) SIZE LAP LENGTH #9 115" #10 77" #11

(CLASS B TOP BAR) BAR SPCG SHALL NOT BE LESS THAN 4x BAR DIA OR 4". ★ WHERE COVER NOT LESS THAN 1½", #5 LAP LENGTH = 31" CONC COVER FOR REINF STL CAST AGAINST EARTH OR GR EXPOSED TO EARTH (FORMED) OR WEATHER #5 & SMALLER -#6 & LARGER -NOT EXPOSED TO EARTH OR WEATHER #5 & SMALLER

#6 & LARGER, & ALL BM STIRRUPS, COL TIES & SPIRALS - -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





COL BAR & STRUCT OFFSET

LOC VERT PIPES INSIDE

'PIPE' THRU FTG -

IN 'PIPE' SLEEVE

DEEPEN FTG AS REQD

CLEARANCES TO REINF

FOR PIPE COVER &

STL PER NOTE #3

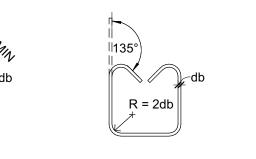
TYP REINF -

PER NOTE #3

- SEE NOTE #8 -

MINIMUM, UNO.

WRAPS MINIMUM, UNO.



TYPICAL REINFORCING DETAILS (fc = 2500psi MIN)

d + 3d 8" MAX 48" MIN TO NEXT BUNDLE

'PIPE' THRU FTG

'PIPE' SLEEVE

OPTIONAL BUNDLED

- "U" BARS, SIZE TO MATCH

TYP FTG REINF (#6 MAX),

CONT FTG PAD FTG SIMILAR -

18"oc, (2) MIN EXCEPT WHERE FTG HAS ONLY (1)

BAR T&B

1. SLEEVES: PROVIDE 2" MIN CLEAR ALL AROUND O.D. PIPE TO I.D. SLEEVE.

2. WRAPPED: PROVIDE 1/8" NOMINAL SHEET FOAM W/ (16) WRAPS MINIMUM.

DIA

1. 'PIPE' = ANY PENETRATION THRU OR EMBEDDED IN FOUNDATION.

d. UNDERGROUND FIRE LINES 4" AND LARGER:

5. NO 'PIPE' TO RUN PARALLEL IN FOOTINGS, STEM OR CURB.

SEAL ENDS PER ABOVE.

MINIMUM CONCRETE COVER AT PIPES TO BE 3".

2. ALL PIPES THROUGH FOOTINGS TO BE WRAPPED OR SLEEVED AS FOLLOWS:

3. WRAPPED AND SLEEVED PIPES SHALL HAVE 11/2" MIN CLEAR TO REINF STEEL.

SEAL SLEEVE ENDS W/ MASTIC OR PLASTIC BITUMINOUS CEMENT.

c. WRAPPED HORIZONTAL PIPES: PROVIDE 1/8" NOMINAL SHEET FOAM W/ (8)

4. CLEARANCE BETWEEN 'PIPES' TO BE 3d MIN TYP W/ A MAXIMUM OF (8) PIPES PER 48".

6. PVC CONDUIT ('PIPE') EMBEDDED IN CURB/STEM MAY BE WIRE TIED TO HORIZONTAL

GROUPS OF PIPES MAY BE BUNDLED AS SHOWN, EXCEPT IN PAD FOOTINGS.

7. NO HORIZONTAL PIPES ALLOWED THROUGH FOOTING WITHIN 2'-0" EACH SIDE OF

b. WRAPPED VERTICAL PIPES: PROVIDE 1/8" NOMINAL SHEET FOAM W/ (3) WRAPS

VERT PIPE (WRAPPED)

B PLAN VIEW

PER NOTE #3

THICKEN AT 'PIPE' AS REQD

TO PROVIDE CLEARANCE

TO REINF & CONC COVER

TO 'PIPE'. PROVIDE #4 HORIZ

135° STIRRUP STIRRUP TIES #3, #4, #5 #3, #4, #5

BKF ENGINEERS 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596 **CROSSTIE** CONTACT: ERIC SWANSON T: (925) 940-2200 #3, #4, #5

PROJECT ADDRESS

PROJECT TEAM

ARCHITECT:

CLIENT:

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

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CONTACT: KAREN MAR

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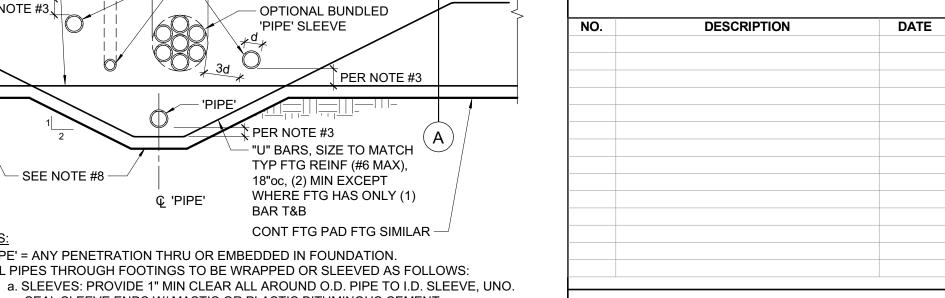
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC. 351 8TH STREET SAN FRANCISCO, CA 94103 CONTACT: PETER MCDONALD

T: (415) 255-9140 MICROESTIMATION INC. ESTIMATOR: 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI

T: (415) 826-9626

ZFA STRUCTURAL ENGINEERS 1390 el camino real | suite 100 zfa.com san carlos ca 94070 650.394.8869

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JOB NO. 21479

KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

TYPICAL CONCRETE **DETAILS**

PROVIDE 18" MIN OF COMPACTED FILL ABOVE PIPES UP TO 12"ø, FOR LARGER PIPES INCREASE COMPACTED FILL DEPTH 1'-0" FOR EACH 6" INCREASE IN PIPE DIAMETER. OTHERWISE DEEPEN FOOTING AS SHOWN.

HOLDOWNS OR STEEL COLUMNS. NO VERTICAL PIPES ALLOWED IN FOOTINGS AT

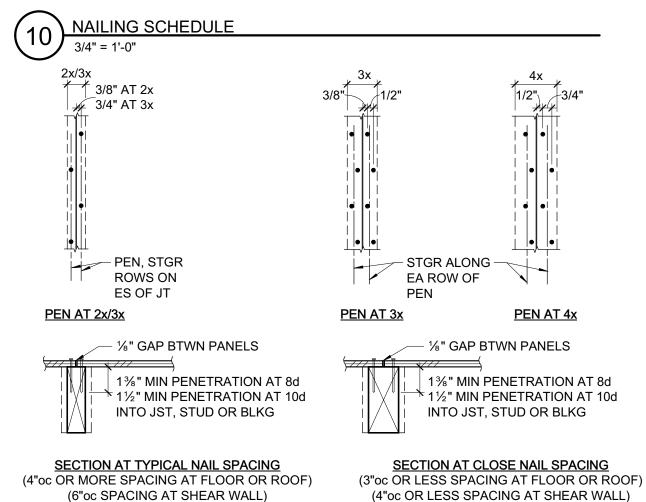
PROGRESS PRINT - NOT FOR CONSTRUCTION

2x BLKG AT ALL UNSUPPORTED -EDGES, 3x BLKG AS REQD PER AB TO OCCUR WITHIN SW SCHED AND WHERE SHTG MIDDLE THIRD OF SILL P., OCCURS ON ES OF WALL INCREASE P WASHER SIZE AS REQD ½" MAX CLR, ₱ WASHER EDGE TO INSIDE FACE OF SILL P SIZE, AB SIZE, AND AB SPCG PER SW SCHED, GALV P WASHER MIN 0.229" x 3" SQ _____ **BOT OF WALL CONDITION** VARIES, SEE PLAN **SECTION**

1. PEN = PLYWOOD/OSB EDGE NAILING PER SW SCHED

SCHEMATIC SHEAR WALL CONSTRUCTION

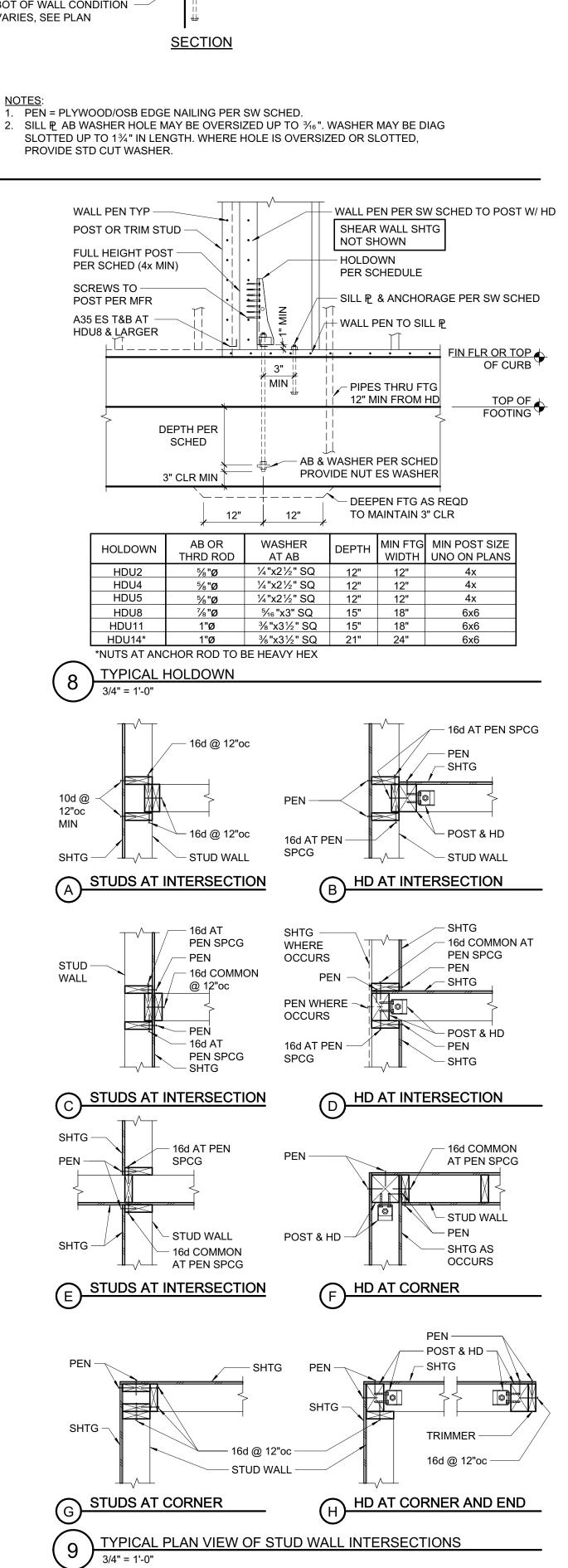
RIM JOIST TO TOP P, TOE NAIL TRUSSES, JOISTS OR RAFTERS AT ALL BEARING POINTS TOE NAILS EACH SIDE TRUSSES, JOISTS OR RAFTERS TO SIDE OF STUDS EIGHT (8) INCH JOISTS OR LESS FOR EACH ADDITIONAL 4 INCHES OF DEPTH OF JOIST BLOCKING BETWEEN JOISTS OR RAFTERS: TO JOIST OR RAFTERS - TOE NAILS EA SIDE, EA END TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE BLOCKING BETWEEN STUDS, EACH END TOE NAILS BRIDGING TO JOIST, TOE NAIL EACH END 2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL SOLE PLATE TO STUD, END NAIL STUD TO SOLE PLATE, TOE NAIL DOUBLE STUDS AT EXTERIOR WALLS, FACE NAIL DOUBLE STUDS, FACE NAIL	(2) 10d (3) 16d (1) 16d (2) 10d (2) 10d 0d OR (2) 16d
TRUSSES, JOISTS OR RAFTERS AT ALL BEARING POINTS TOE NAILS EACH SIDE	(2) 10d (3) 16d (1) 16d (2) 10d (2) 10d 0d OR (2) 16d
TOE NAILS EACH SIDE - TRUSSES, JOISTS OR RAFTERS TO SIDE OF STUDS EIGHT (8) INCH JOISTS OR LESS - FOR EACH ADDITIONAL 4 INCHES OF DEPTH OF JOIST - BLOCKING BETWEEN JOISTS OR RAFTERS: TO JOIST OR RAFTERS - TOE NAILS EA SIDE, EA END - TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE - BLOCKING BETWEEN STUDS, EACH END TOE NAILS - (2) 1 BRIDGING TO JOIST, TOE NAIL EACH END - 2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL - SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL - SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS - (3) TOP PLATE TO STUD, END NAIL - STUD TO SOLE PLATE. TOE NAIL -	(3) 16d (1) 16d (2) 10d (2) 10d 0d OR (2) 16d
TRUSSES, JOISTS OR RAFTERS TO SIDE OF STUDS EIGHT (8) INCH JOISTS OR LESS	(3) 16d (1) 16d (2) 10d (2) 10d 0d OR (2) 16d
EIGHT (8) INCH JOISTS OR LESS - FOR EACH ADDITIONAL 4 INCHES OF DEPTH OF JOIST - BLOCKING BETWEEN JOISTS OR RAFTERS: TO JOIST OR RAFTERS - TOE NAILS EA SIDE, EA END - TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE - BLOCKING BETWEEN STUDS, EACH END TOE NAILS - (2) 1 BRIDGING TO JOIST, TOE NAIL EACH END - 2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL - SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL - SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS - (3) TOP PLATE TO STUD, END NAIL - STUD TO SOLE PLATE. TOE NAIL -	(2) 10d (2) 10d 0d OR (2) 16d
BLOCKING BETWEEN JOISTS OR RAFTERS: TO JOIST OR RAFTERS - TOE NAILS EA SIDE, EA END TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE BLOCKING BETWEEN STUDS, EACH END TOE NAILS (2) 1 BRIDGING TO JOIST, TOE NAIL EACH END	(2) 10d (2) 10d 0d OR (2) 16d
BLOCKING BETWEEN JOISTS OR RAFTERS: TO JOIST OR RAFTERS - TOE NAILS EA SIDE, EA END TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE BLOCKING BETWEEN STUDS, EACH END TOE NAILS	(2) 10d (2) 10d 0d OR (2) 16d
TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE	(2) 10d 0d OR (2) 16d
TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE	(2) 10d 0d OR (2) 16d
BLOCKING BETWEEN STUDS, EACH END TOE NAILS (2) 1 BRIDGING TO JOIST, TOE NAIL EACH END (2) 2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL (3) SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL (4) BRACED WALL PANELS (5) TOP PLATE TO STUD, END NAIL (5) STUD TO SOLE PLATE, TOE NAIL (5) STUD TO SOLE PLATE.	0d OR (2) 16d
BRIDGING TO JOIST, TOE NAIL EACH END	
2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL	(2) 8d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	(2) 16d
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS (3 TOP PLATE TO STUD, END NAIL (3 STUD TO SOLE PLATE, TOE NAIL (4)	-16d @ 16"oc
BRACED WALL PANELS	
TOP PLATE TO STUD, END NAIL) 16d @ 16"oc
STUD TO SOLE PLATE, TOE NAIL DOUBLE STUDS AT EXTERIOR WALLS, FACE NAIL	(2) 16d
DOUBLE STUDS AT EXTERIOR WALLS, FACE NAIL DOUBLE STUDS, FACE NAIL	(4) 8d
DOUBLE STUDS, FACE NAIL	- 16d @ 12"oc
	- 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"0c ALONG	EACH EDGE
DOUBLE TOP PLATE LAP AT CORNER CONTINUOUS HEADER TO STUD, TOE NAIL	(3) 16d
CONTINUOUS HEADER TO STUD, TOE NAIL	(4) 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	(3) 164
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) 10u
BUILT-UP CORNER STUDS	(3) 16d
POST TO SILL/SOLE/TOP PLATE, EACH SIDE TOE NAIL	(3) 16d -16d @ 12"oc

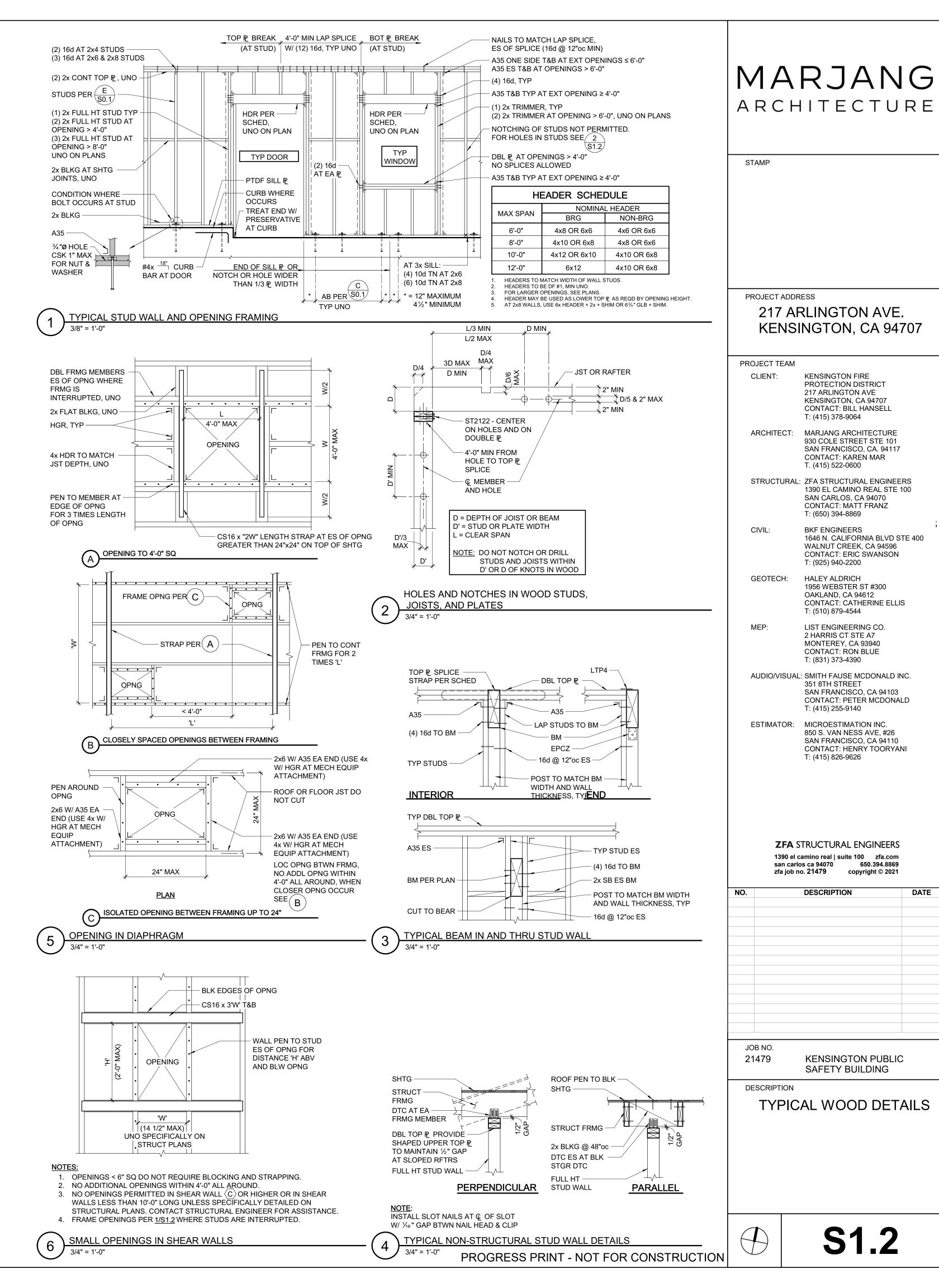


SHEATHING SHEETS ARE TO BE AS LARGE AS POSSIBLE. STAGGER SHEETS. JOINTS ARE TO BE CENTERED OVER BEARING. NAIL HEADS SHALL BE DRIVEN FLUSH W/ SHEATHING. MINIMUM SHEATHING SIZE IS 24" WIDTH x 48" LENGTH AT FLOOR AND ROOF, AND 12"x48" AT WALLS.

SHEATHING NAILING

1 1/2" = 1'-0"





KENSINGTON PUBLIC

SAFETY BUILDING

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351 8TH STREET

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DESCRIPTION

DATE

MICROESTIMATION INC.

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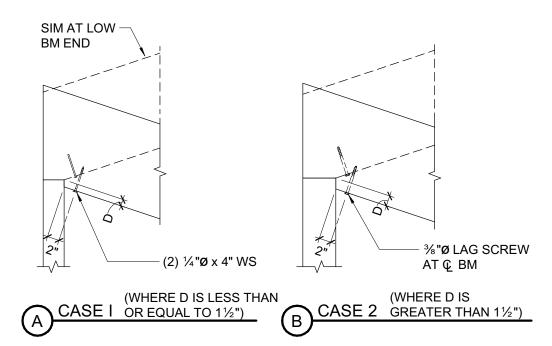
CONTACT: KAREN MAR

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CONTACT: MATT FRANZ

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MECHANICAL CURB DETAIL ABOVE 4x OR GLB

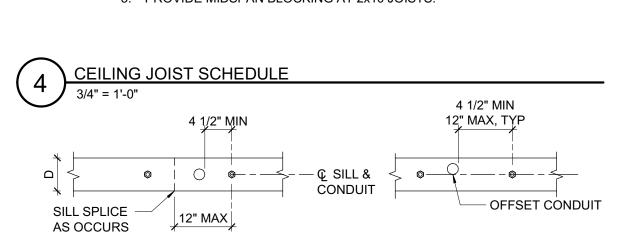


- 1. DO NOT OVERCUT NOTCHES OR SEAT CUTS. 2. D MAX = BEAM DEPTH/4 SEE OTHER DETAILS FOR ADDITIONAL NOTCH OR SEAT CUT SIZE INFORMATION.
- 3. MINIMUM LAG SCREW LENGTH = D + 2½".
- BEAM SEAT CUT/NOTCH REINFORCEMENT (8) $\frac{DL}{3/4"} = 1'-0"$

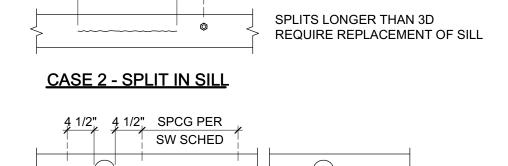
CEILING JOIST SCHEDULE									
MAX SPAN	JOIST SIZE	HANGER IF REQUIRED	LEDGER IF REQUIRED						
9'-0"	2x4 @ 16"oc	LU24	2x4 W/ (2) 16d @ 16"oc						
12'-6"	2x6 @ 16"oc	LU26	2x6 W/ (3) 16d @ 16"oc						
14'-0"	2x8 @ 16"oc	LU28	2x8 W/ (4) 16d @ 16"oc						
19'-0"	2x10 @ 16"oc	LU210	2x10 W/ (5) 16d @ 16"oc						

1. CEILING JOIST SCHEDULE IS BASED ON LL = 10 psf.

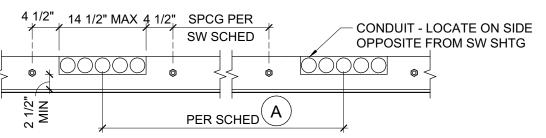
- 2. WHERE LEDGERS ARE NAILED THROUGH WALL SHTG, USE 20d NAILS IN LIEU OF 16d NAILS.
- 3. PROVIDE MIDSPAN BLOCKING AT 2x10 JOISTS.



CASE 1 - SINGLE, CONDUIT DIAMETER ≤ D/3, MIN SPCG = 16"oc



PER SCHED (A) CASE 3 - SINGLE, CONDUIT DIAMETER > D/3



TO BE INSTALLED AT CENTERLINE OF SILL PLATE PER <u>13/S1.1</u> WHERE NECESSARY. AB DIA AS REQD BY SW

(CHANNEL & HSS SIM)

CASE 4 - NOTCH FOR CONDUIT

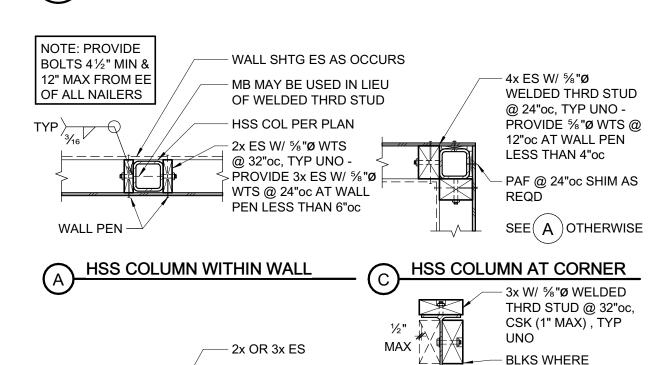
1.5D < L < 3D 4 1/2"

4 1/2"	14 1/2" 4 1/2	SPCG PER	V			
1 1	MAX	SW SCHED	1			
			 			
\$ 0 (\bigcirc	0	}
		PER SCHI	ED (A)			

CASE 5 - MULTI CONDUIT, DIAMETER > D/3

	SCHEE	DULE A		1.	ALL PENETRATIONS THROUGH SHEAR WALL SILL PLATE SHALL CONFORM TO
	CASE 3	CASE 4	CASE 5		THE REQUIREMENTS OF THIS DETAIL
sw(A)	48"	32"	48"		OR BE REROUTED PRIOR TO INSTALLATION OF SILL.
sw(B)	64"	48"	64"	2.	PROVIDE ADDITIONAL ANCHOR BOLTS
sw(c)	80"	64"	N/A		AS REQUIRED TO MEET INDICATED SPACINGS. ADDITIONAL ANCHOR BOLTS
SW(D)	N/A	N/A	N/A		TO BE INSTALLED AT CENTERLINE OF SILL PLATE PER 13/S1 1 WHERE

SCHED. HOLES IN PLATES AT 2x6 SHEAR WALLS



REQUIRED ALIGN — 2x TRIM STUD, W/ NAILER ABV SAD FOR END OF - 2x UNO, CSK NOT WALL LOC PERMITTED AT 2x SEE(A)OTHERWISE SEE(A)OTHERWISE HSS COLUMN AT END OF WALL WIDE FLANGE NAILER (EDGE OF OPNG SIM)

TYPICAL STEEL BEAM/COLUMN NAILERS

TOP PLATE SPLICE SCHEDULE								
MARK	LAP SPLICE (CASE 1)	STRAP SPLICE (CASE 2)						
Α	(12) 16d PER 4'-0" MIN LAP	MSTC28						
В	(22) 16d PER 4'-0" MIN LAP	MSTC40						
С	(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						

1. AT LAP SPLICES, SPACE NAILS @ 3"oc MIN (MAX 12"oc). STAGGER AT 21/2" GAGE. 2. USE STRAP SPLICE WHERE BM INTERSECTS TOP P. 3. NAILS TO MATCH LAP SPLICE ES OF SPLICE (16d @ 12"oc MAX)

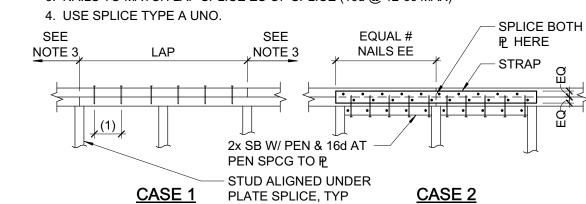
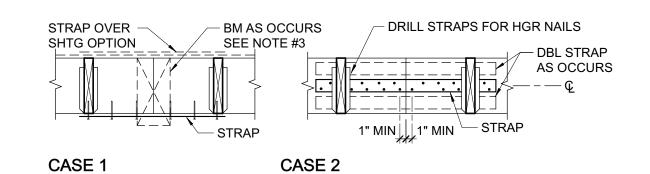
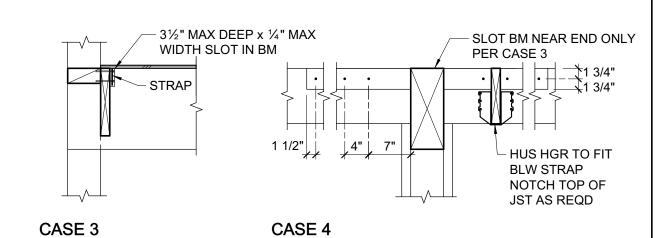


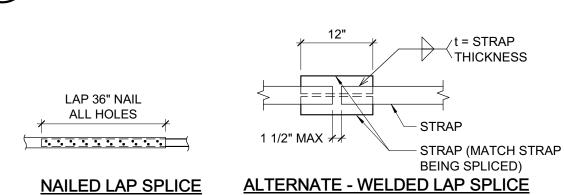
PLATE SPLICE, TYP TOP PLATE SPLICE SCHEDULE AND DETAILS

	LE	OGER SPLICE			
MARK	CASE	STRAP/PLATE	CASE	STRAP/PLATE	SPLICE NOTES: 1. PROVIDE 3x OR (2) 2x
A	1	MSTA24	-		STUDS AT SPLICE
B	1	MSTA30	-		2. ALL NAILS TO BE 10d
(c)	2	MSTI48	3	MSTI60	NAIL ALL HOLES
D	2	CMST14x5'-6"	3	CMST14x6'-0"	3. FOR CASE 1, SPLICE W/
⟨ E ⟩	2	(2) MSTI48	4	P. 1/4" W/ (6) 1"Ø MB ES OF SPLICE	MSTA36 AT BM
					4. USE SPLICE TYPE 'A'





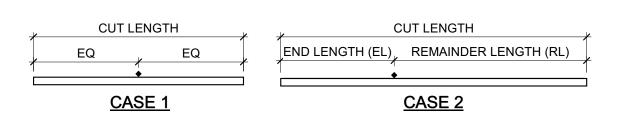
LEDGER OR RIM SPLICE SCHEDULE



		TI	E STRAP SC	CHEDULE			
MARK	STRAP	MIN. NAILING		MAX. NAIL SPACING (SEE NOTES #1 & #2)			
IVIAKK	STRAP	ES OF *	CASE 1	CAS	SE 2	LENGTH	
		L3 OF •	OAGE 1	EL	RL	(EL)	
A	CS16	(10) 10d	10d @ 4"oc STGR	FILL ALL NAIL HOLES	10d @ 4"oc STGR	12"	
B	CS14	(13) 10d	10d @ 4"oc STGR	FILL ALL NAIL HOLES	10d @ 4"oc STGR	16"	
©	CMSTC16	(25) 10d	10d @ 3"oc STGR	FILL ALL NAIL HOLES	10d @ 3"oc STGR	24"	
(D)	CMST14	(33) 10d	10d @ 3½"oc STGR	FILL ALL NAIL HOLES	10d @ 3½"oc STGR	32"	
E	CMST12	(43) 10d	10d @ 3½"oc STGR	FILL ALL NAIL HOLES	10d @ 3½"oc STGR	48"	

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

PROGRESS PRINT - NOT FOR CONSTRUCTION

MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS

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ZFA STRUCTURAL ENGINEERS 1390 el camino real | suite 100 zfa.com san carlos ca 94070 650.394.8869

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NO.	DESCRIPTION	DATE

JOB NO. 21479

KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

TYPICAL WOOD DETAILS

PAD FOOTING SCHEDULE				
MARK	SIZE	REINFORCING		
F6.0	6'-0" SQ x 18" DEEP	(7) #6 T&B EW		

13'-0"

ZELEVATOR GUIDE /

13'-6"

CF24

- 14" ELEVATOR

- ELEVATOR GUIDE

PIT SLAB

79'-6"

14'-5 1/4"

(E) 5'-0" SQ x -1'-3" FOOTING

(E) W12x58

	CO	NTI	NUOUS FOOTING	SCHEDULE
MARK	'b'	'd'	REINF 'a'	NOTES
CF24			(1) #5 T&B	

8'-10 1/2"

15'-6 1/4"

(E) 4" CONCRETE

SLAB ON GRADE

TYP AT PARTITION

(W) WOOD STUD WALL

TO REMAIN, PROVIDE

BRACING DURING CONSTRUCTION

S4.1 WALLS

/8" CONCRETE SLAB ON / -,GRADE W/ #4 @ 16"oc EW

FOUNDATION PLAN NOTES:

- 1. REFER TO SHEETS <u>S0.1</u>, <u>S1.1</u>, <u>S1.2</u> AND <u>S1.3</u> 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.
- 2. DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- 3. SEE DETAILS OR CURB PLAN FOR CURB LOCATIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES. PROVIDE LONGER ANCHOR BOLTS AT CURBS PER C/S0.1.
- 4. 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.
- 5. 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/S1.1 AND 3/S1.1
 - PIPES PARALLEL TO FOOTINGS SHALL BE PER 4/S1.1.
 - PIPES AT SLAB ON GRADE SHALL BE PER 7/S1.1.

PIPES THROUGH WOOD FRAMING SHALL BE PER 2/S1.2 AND 5/S1.3.

6. ELEVATION OF THE TOP OF FINISHED SLAB = 0'-0", UNLESS NOTED OTHERWISE.

		PLAN LEGEND
SYMBOL	REFERENCE DETAIL	DESCRIPTION
	<u>1/S1.2</u>	INDICATES STRUCTURAL WALL.
A 10'-0"	7/S1.2 H/S0.1	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.
	<u>E/S0.1</u>	INDICATES WOOD POST.
⊠•	<u>8/S1.2</u>	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
0, 🗆 , 📘	<u>6/S1.3</u>	INDICATES STEEL COLUMN.
		INDICATES FOUNDATION.
CF24		INDICATES CONTINUOUS FOOTING SIZE AND REINFORCING PER SCHEDULE.
F2.0		INDICATES PAD FOOTING SIZE AND REINFORCING PER SCHEDULE.
		INDICATES STEP IN ELEVATION, SEE ARCHITECTURAL DRAWINGS.
88		INDICATES GRIDLINE AT FACE OF SHEATHING.
88)—		INDICATES GRIDLINE AT CENTERLINE OF COLUMN
1 (\$3.1)		INDICATES ELEVATION.
		INDICATES EXISTING FOUNDATION.
		INDICATES EXISTING FRAMING.
		HATCHED REGION INDICATES NEW SLAB ON GRADE.
	<u>5/S4.1</u>	INDICATES 24"Ø x 16'-0" MIN DRILLED CONCRETE PIER.
		INDICATES EXISTING CONCRETE PIER TO REMAIN.

	<u>1/S1.2</u>	INDICATES STRUCTURAL WALL.			
A 10'-0"	7/S1.2 H/S0.1	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.			
	<u>E/S0.1</u>	INDICATES WOOD POST.			
⊠•	<u>8/S1.2</u>	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.			
0, □, ፲	<u>6/S1.3</u>	INDICATES STEEL COLUMN.			
		INDICATES FOUNDATION.			
CF24		INDICATES CONTINUOUS FOOTING SIZE AND REINFORCING PER SCHEDULE.			
F2.0		INDICATES PAD FOOTING SIZE AND REINFORCING PER SCHEDULE.			
		INDICATES STEP IN ELEVATION, SEE ARCHITECTURAL DRAWINGS.			
88		INDICATES GRIDLINE AT FACE OF SHEATHING.			
88		INDICATES GRIDLINE AT CENTERLINE OF COLUMN.			
1 \$3.1		INDICATES ELEVATION.			
		INDICATES EXISTING FOUNDATION.			
		INDICATES EXISTING FRAMING.			
		HATCHED REGION INDICATES NEW SLAB ON GRADE.			
	<u>5/S4.1</u>	INDICATES 24"Ø x 16'-0" MIN DRILLED CONCRETE PIER.			

		SHEAR W	/ALL S	CHED	ULE			
SW	W APA RATED NAILING		ANCHORAGE				REMARKS	
1 ~			%"ø BC	DLT FDN	ļ	AT FRAMING	3	11211111111111
	SHEATHING	(PEN)	2x SILL	3x SILL	16d	A35	SDS *	
$\langle A \rangle$	¹⁵ / ₃₂ " (32/16) EXP 1	10d @ 6"oc	32"oc	48"oc	6"oc	24"oc	16"oc	
$\langle B \rangle$	¹⁵ / ₃₂ " (32/16) EXP 1	10d @ 4"oc	24"oc	32"oc	4"oc	16"oc	10"oc	3x MIN AT
$\langle c \rangle$	¹⁵ / ₃₂ " (32/16) EXP 1	10d @ 3"oc	16"oc	24"oc	3"oc	8"oc	8"oc	ALL ADJOINING
(D)	¹⁵ ⁄ ₃₂ " (32/16) STRUC 1	10d @ 2"oc	-	16"oc	(2) ROWS @ 4"oc	8"oc	6"oc	PANEL EDGES
(E)	¹⁵ / ₃₂ " (32/16) STRUC 1 BOTH SIDES	10d @ 2"oc	-	12"oc	(2) ROWS @ 2"oc	6"oc	(2) ROWS @ 6"oc	

* 2x SILL: SDS1/4x41/2". 3x SILL: SDS1/4x6". FOR SDS @ 6"oc OR LESS, PROVIDE 4x BLKG BLW.

MARJANG ARCHITECTURE

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DESCRIPTION	DATE

21479

KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

FOUNDATION PLAN

S2.1

(B.2)

(B.8)

(E) 5'-0" SQ -FOOTING

14'-8"

FOUNDATION PLAN

(E) W12x58-

13'-0"

SHADED REGION **INDICATES 6" WIDE**

CONCRETE CURB

UNDER PARTITION

WALLS IN APPARATUS

CF24

9" CONCRETE SLAB ON GRADE W/ #4 @ 16"oc EW / T&B AT APPARATUS BAYS

(E) W12x58-

BAY, TYP PER <u>5/S1.1</u>

(E) CONCRETE

RETAINING WALL

(E) 7" CONCRETE SLAB ON GRADE

	LEDGER SPLICE SCHEDULE					
		OLIVOI LIOL	OOLIE	DOLL		
MARK	CASE	STRAP/PLATE	CASE	STRAP/PLATE		
A	1	MSTA24	-			
$\langle B \rangle$	1	MSTA30	-			
$\langle \! \hat{\wp} \! \rangle$	2	MSTI48	3	MSTI60		
(D)	2	CMST14x5'-6"	3	CMST14x6'-0"		
(∏)	2	(2) MSTI48	4	配兆" W/ (6) 1"Ø MB ES OF SPLICE		

PROVIDE BLOCKING

2x14 JOIST

(E) W33x118

2x14 JOIST

—(E) 6x12 BLW-

(E) W12x40

BELOW BEARING

STRAP

2x14 JOIST

DBL 2x10

-(E) 6x12 BLW-

(E) W12x40

SECOND FLOOR FRAMING PLAN

2x14 JOIST

(B.8)—

Ô OPÉN

-HDU2-

- STRAP

2x14 JOIST

2x14 JOIST

–(E) 6x12 BLW–

(E) W12x40

	TOP PLATE SPLICE SCHEDULE					
MARK	LAP SPLICE (CASE 1)	STRAP SPLICE (CASE 2)				
Α	(12) 16d PER 4'-0" MIN LAP	MSTC28				
В	(22) 16d PER 4'-0" MIN LAP	MSTC40				
С	(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				

11 S6.1

1050 LB(__

MAX\S6.^

+ STRAP.

STRAP

_(E) 51/8 x221/2 GLB

4 - 6x10 [-26"]

	TIE STRAP SCHEDULE					
MADIC				MAX. NAIL SPACING (SEE NOTES #1 & #2)		
MARK	STRAP	NAILING ES OF ◆	CASE 1	CAS	SE 2	LENGTH
		ES OF TOASE T	EL	RL	(EL)	
A	CS16	(10) 10d	10d @ 4"oc STGR	FILL ALL NAIL HOLES	10d @ 4"oc STGR	12"
B	CS14	(13) 10d	10d @ 4"oc STGR	FILL ALL NAIL HOLES	10d @ 4"oc STGR	16"
©	CMSTC16	(25) 10d	10d @ 3"oc STGR	FILL ALL NAIL HOLES	10d @ 3"oc STGR	24"
(D)	CMST14	(33) 10d	10d @ 3½"oc STGR	FILL ALL NAIL HOLES	10d @ 3½"oc STGR	32"
Œ	CMST12	(43) 10d	10d @ 3½"oc STGR	FILL ALL NAIL HOLES	10d @ 3½"oc STGR	48"

1. CASE 1 APPLIES UNLESS END LENGTH (EL) IS NOTED ON PLANS. WHERE END LENGTH (EL) IS NOTED, SEE CASE 2.

OPENING

6x10

ELEVATOR

BLOCK AND STRAP

- HATCHED REGION

TO BE INFILLED

9'-6" / HDU5

INDICATES (E) WINDOW

STRAP -

HDU8

BLOCK AND STRAP

9'-3"

2x12 JOISTS @ 16"oc, TYP

2. AS REQUIRED, PROVIDE CLOSER NAIL SPACING TO MEET MINIMUM NAILING EACH SIDE OF ◆ .

- (W) WOOD STUD WALL

TO REMAIN, PROVIDE

A 10'-3"

HDU2

51/2 x18 GLB [-191/4"]

- 2x12 JOISTS [-3"] @ 16"oc

PARTITION\\$6.1/

- DBL JOIST [-3"]

TYP AT

WALLS

INTERIOR

__4x10__

HATCHED REGION

- (N) WINDOW OPENING

(W) WOOD STUD WALL

TO REMAIN, PROVIDE

BRACING DURING

CONSTRUCTION

_INDICATES (E) _ | WINDOW TO BE INFILLED

BRACING DURING

CONSTRUCTION

FRAMING PLAN NOTES:

- 1. REFER TO SHEETS <u>S0.1</u>, <u>S1.2</u> AND <u>S1.3</u> 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.
- 2. DIMENSIONS ARE TO FACE OF SHEATHING UNLESS NOTED OTHERWISE. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- 3. 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

PENETRATIONS THROUGH SHEAR WALLS SHALL BE PER 6/S1.2.

PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.

PENETRATIONS THROUGH FLOORS/ROOFS SHALL BE PER 5/S1.2

- 4. 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.
- 5. 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.

		PLAN LEGEND
SYMBOL	REFERENCE DETAIL	DESCRIPTION
	<u>1/S1.2</u>	INDICATES STRUCTURAL WALL.
====	<u>1/S1.2</u>	INDICATES STRUCTURAL WALL ABOVE.
A 10'-0"	7/S1.2 H/S0.1	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.
	<u>E/S0.1</u>	INDICATES WOOD POST.
⊠•	<u>8/S1.2</u>	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
0, 🗆 , 📘	<u>6/S1.3</u>	INDICATES STEEL COLUMN.
3%x12 GLB C=1"	<u>E/S0.1</u>	INDICATES GLULAM BEAM SIZE AND CAMBER. WHERE NO CAMBER IS SPECIFIED SEE WOOD FRAMING NOTES FOR TYPICAL GLULAM BEAM CAMBER.
<u></u>	<u>11/S1.2</u>	INDICATES PANEL EDGE NAILING ALONG FULL LENGTH OF MEMBER.
E	<u>E/S0.1</u>	INDICATES HANGER.
		INDICATES LEDGER. SEE PLAN FOR SIZE AND ANCHORAGE.
88		INDICATES GRIDLINE AT FACE OF SHEATHING.
88)—		INDICATES GRIDLINE AT CENTERLINE OF COLUMN
1 \$3.1		INDICATES ELEVATION.
MU 1,000#]	<u>7/S1.3</u>	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.
STRAP	60-01-17	INDICATES POST WITH VERTICAL STRAP. POSTS WITH STRAP ARE FULL HEIGHT FROM SILL TO TOP PLATE.
A	<u>1/S1.3</u>	INDICATES TOP PLATE SPLICE. SPLICE TYPE SHAL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS.
A	<u>2/S1.3</u>	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.
A 4'-0"	3/S1.3	INDICATES TIE STRAP. SEE SCHEDULE FOR STRAP, NAILING AND LENGTH.

		PLAN LEGEND
SYMBOL	REFERENCE DETAIL	DESCRIPTION
	<u>1/S1.2</u>	INDICATES STRUCTURAL WALL.
====	<u>1/S1.2</u>	INDICATES STRUCTURAL WALL ABOVE.
A 10'-0"	7/S1.2 H/S0.1	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.
	<u>E/S0.1</u>	INDICATES WOOD POST.
⊠•	<u>8/S1.2</u>	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
0, 🗆 , 📘	<u>6/S1.3</u>	INDICATES STEEL COLUMN.
3½x12 GLB C=1"	<u>E/S0.1</u>	INDICATES GLULAM BEAM SIZE AND CAMBER. WHERE NO CAMBER IS SPECIFIED SEE WOOD FRAMING NOTES FOR TYPICAL GLULAM BEAM CAMBER.
<u></u>	<u>11/S1.2</u>	INDICATES PANEL EDGE NAILING ALONG FULL LENGTH OF MEMBER.
	<u>E/S0.1</u>	INDICATES HANGER.
		INDICATES LEDGER. SEE PLAN FOR SIZE AND ANCHORAGE.
88		INDICATES GRIDLINE AT FACE OF SHEATHING.
88)—		INDICATES GRIDLINE AT CENTERLINE OF COLUMN.
1 \$3.1		INDICATES ELEVATION.
[MU] [1,000#]	<u>7/S1.3</u>	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.
STRAP	60-01-17	INDICATES POST WITH VERTICAL STRAP. POSTS WITH STRAP ARE FULL HEIGHT FROM SILL TO TOP PLATE.
A	<u>1/S1.3</u>	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.
A	<u>2/S1.3</u>	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.
A 4'-0"	<u>3/S1.3</u>	INDICATES TIE STRAP. SEE SCHEDULE FOR STRAP, NAILING AND LENGTH.

	SHEAR WALL SCHEDULE													
SW	APA RATED	NAILING		AN	CHORA	GE		REMARKS						
300	SHEATHING	(PEN)	%"ø BC	LT FDN	F	AT FRAMING	3	INLIVIAINING						
	SHEATHING	(FEIN)	2x SILL	3x SILL	16d	A35	SDS*							
$\langle A \rangle$	¹⁵ / ₃₂ " (32/16) EXP 1	10d @ 6"oc	32"oc	48"oc	6"oc	24"oc	16"oc							
$\langle B \rangle$	¹⁵ / ₃₂ " (32/16) EXP 1	10d @ 4"oc	24"oc	32"oc	4"oc	16"oc	10"oc	3x MIN AT						
$\langle c \rangle$	¹⁵ / ₃₂ " (32/16) EXP 1	10d @ 3"oc	16"oc	24"oc	3"oc	8"oc	8"oc	ALL ADJOINING						
(D)	¹⁵ / ₃₂ " (32/16) STRUC 1	10d @ 2"oc	-	16"oc	(2) ROWS @ 4"oc	8"oc	6"oc	PANEL EDGES						
(E)	¹⁵ / ₃₂ " (32/16) STRUC 1 BOTH SIDES	10d @ 2"oc	-	12"oc	(2) ROWS @ 2"oc	6"oc	(2) ROWS @ 6"oc							
						·								

* 2x SILL: SDS¼x4½". 3x SILL: SDS¼x6". FOR SDS @ 6"oc OR LESS, PROVIDE 4x BLKG BLW.

MARJANG ARCHITECTURE

PROJECT ADDRESS

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PROJECT TEAM

CLIENT:

GEOTECH:

KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101

T: (415) 378-9064

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) 394-8869

1646 N. CALIFORNIA BLVD STE 400

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

HALEY ALDRICH

BKF ENGINEERS

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

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

> > T: (415) 255-9140

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC. 351 8TH STREET SAN FRANCISCO, CA 94103 CONTACT: PETER MCDONALD

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

> **ZFA** STRUCTURAL ENGINEERS 1390 el camino real | suite 100 zfa.com san carlos ca 94070 650.394.8869 zfa job no. 21479 copyright © 2021

).	DESCRIPTION	DATE
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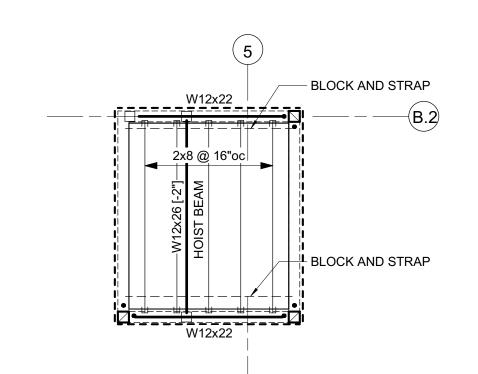
JOB NO. 21479

KENSINGTON PUBLIC SAFETY BUILDING

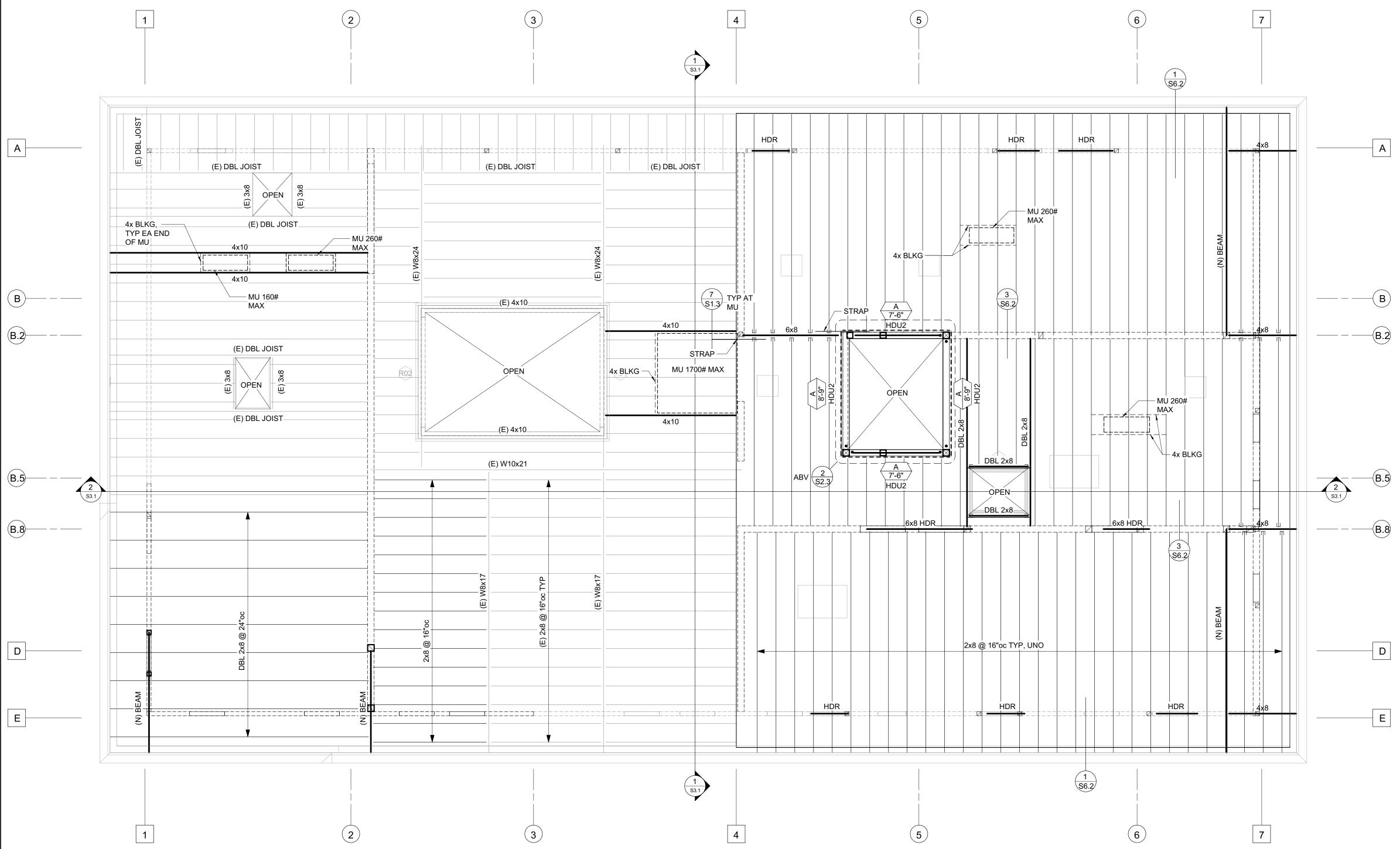
DESCRIPTION

SECOND FLOOR FRAMING PLAN

S2.2



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



FRAMING PLAN NOTES:

- REFER TO SHEETS <u>S0.1</u>, <u>S1.2</u> AND <u>S1.3</u> 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.
- 2. DIMENSIONS ARE TO FACE OF SHEATHING UNLESS NOTED OTHERWISE. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.

PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.

3. 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

PENETRATIONS THROUGH SHEAR WALLS SHALL BE PER 6/S1.2.

PENETRATIONS THROUGH FLOORS/ROOFS SHALL BE PER <u>5/S1.2</u>.

- 4. 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.
- 5. 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.

	REFERENCE	
SYMBOL	DETAIL	DESCRIPTION
	<u>1/S1.2</u>	INDICATES STRUCTURAL WALL.
====	<u>1/S1.2</u>	INDICATES STRUCTURAL WALL ABOVE.
A 10'-0"	7/S1.2 H/S0.1	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.
	<u>E/S0.1</u>	INDICATES WOOD POST.
⋈ •	<u>8/S1.2</u>	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
0, 🗆 , 📘	<u>6/S1.3</u>	INDICATES STEEL COLUMN.
31/8×12 GLB C=1"	<u>E/S0.1</u>	INDICATES GLULAM BEAM SIZE AND CAMBER. WHERE NO CAMBER IS SPECIFIED SEE WOOD FRAMING NOTES FOR TYPICAL GLULAM BEAM CAMBER.
<u></u>	<u>11/S1.2</u>	INDICATES PANEL EDGE NAILING ALONG FULL LENGTH OF MEMBER.
E	<u>E/S0.1</u>	INDICATES HANGER.
		INDICATES LEDGER. SEE PLAN FOR SIZE AND ANCHORAGE.
88		INDICATES GRIDLINE AT FACE OF SHEATHING.
<u></u>		INDICATES GRIDLINE AT CENTERLINE OF COLUMN
1 S3.1		INDICATES ELEVATION.
MU 1,000#]	<u>7/S1.3</u>	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.
STRAP	60-01-17	INDICATES POST WITH VERTICAL STRAP. POSTS WITH STRAP ARE FULL HEIGHT FROM SILL TO TOP PLATE.
A	<u>1/S1.3</u>	INDICATES TOP PLATE SPLICE. SPLICE TYPE SHAL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS.
A	<u>2/S1.3</u>	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.
(A) 4'-0"	3/S1.3	INDICATES TIE STRAP. SEE SCHEDULE FOR

MARJANG

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

GEOTECH:

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) 394-8869

1646 N. CALIFORNIA BLVD STE 400

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

HALEY ALDRICH

BKF ENGINEERS

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EP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
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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

> > DATE

DESCRIPTION

JOB NO. 21479

KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

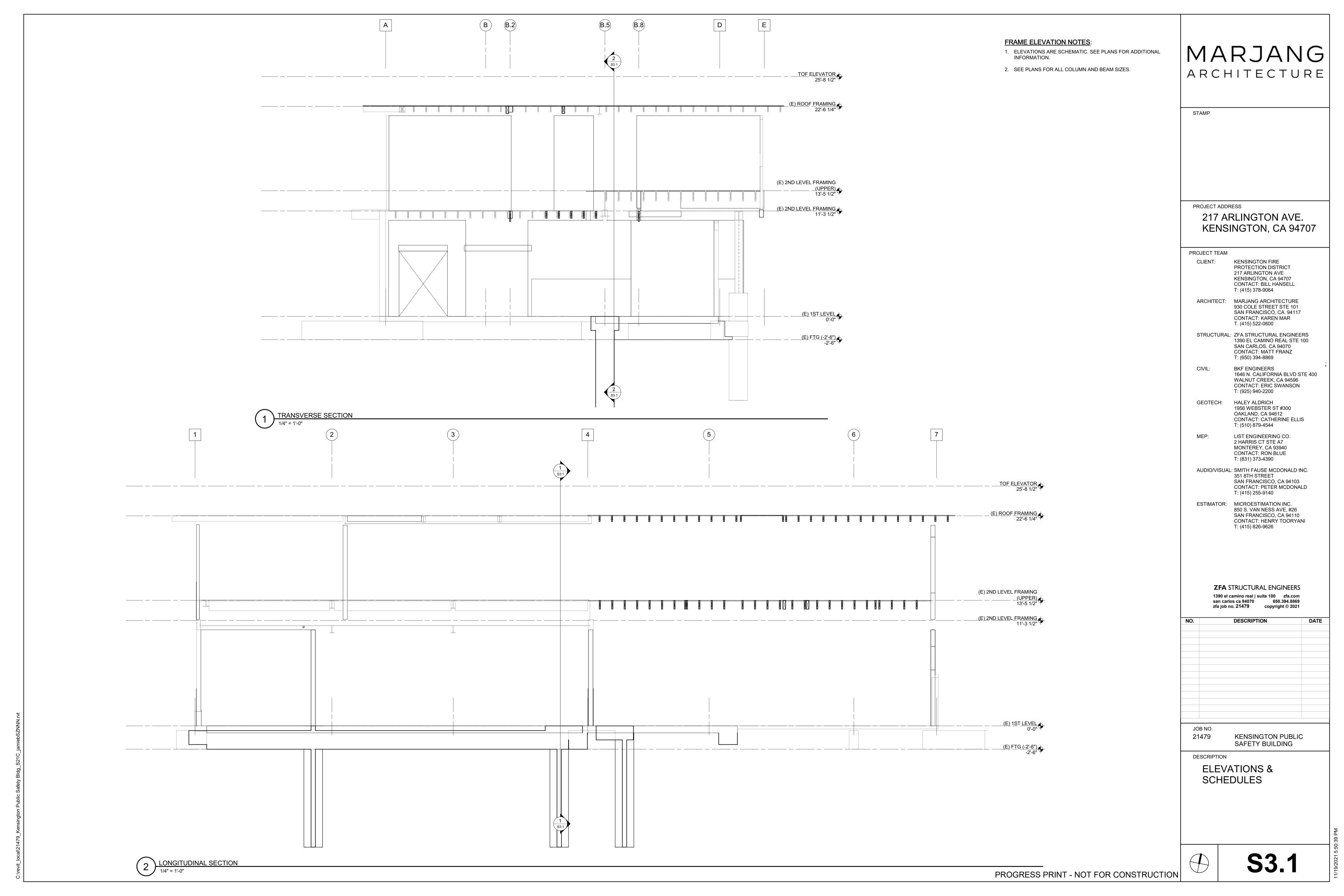
ROOF FRAMING PLAN

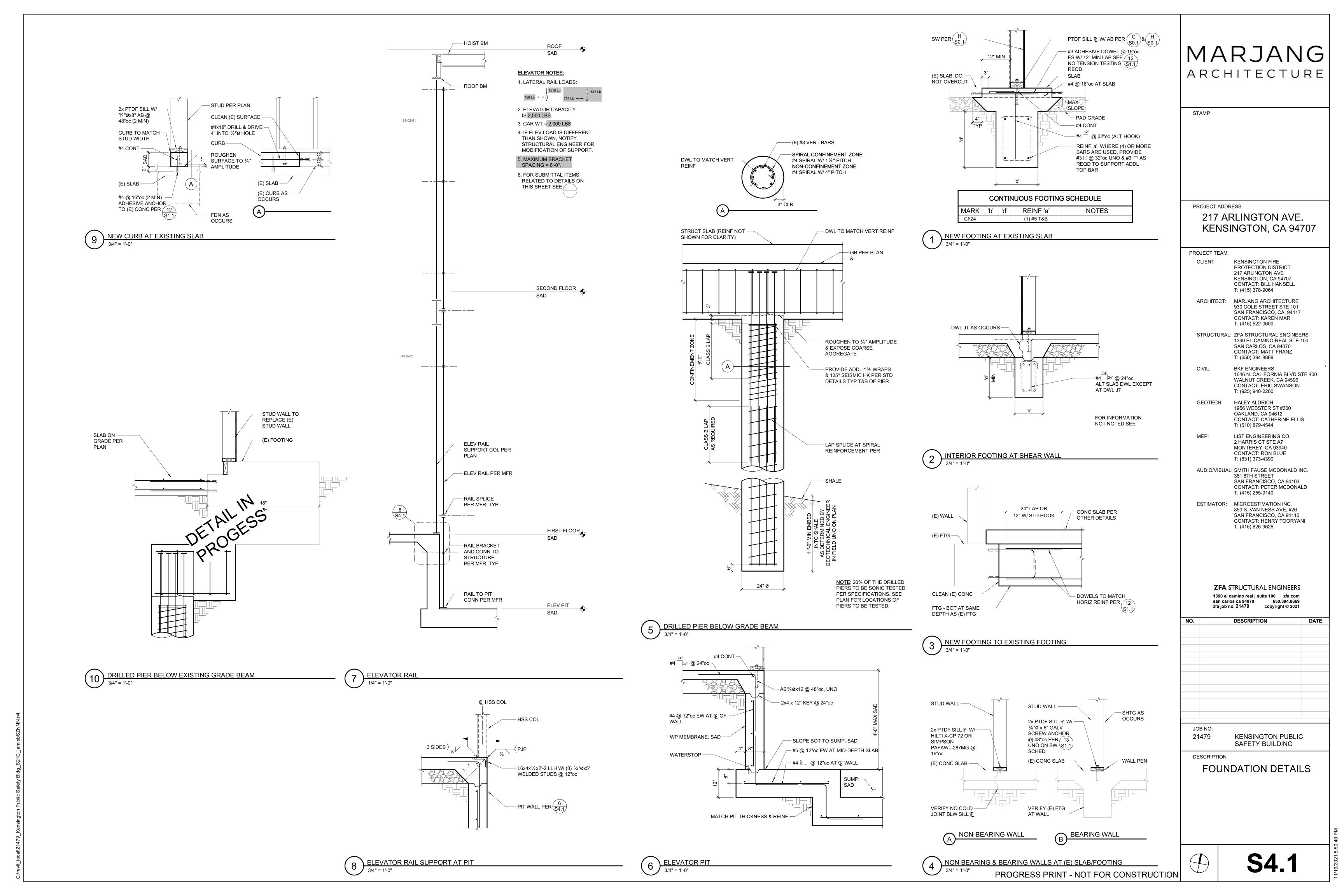
ROOF FRAMING PLAN

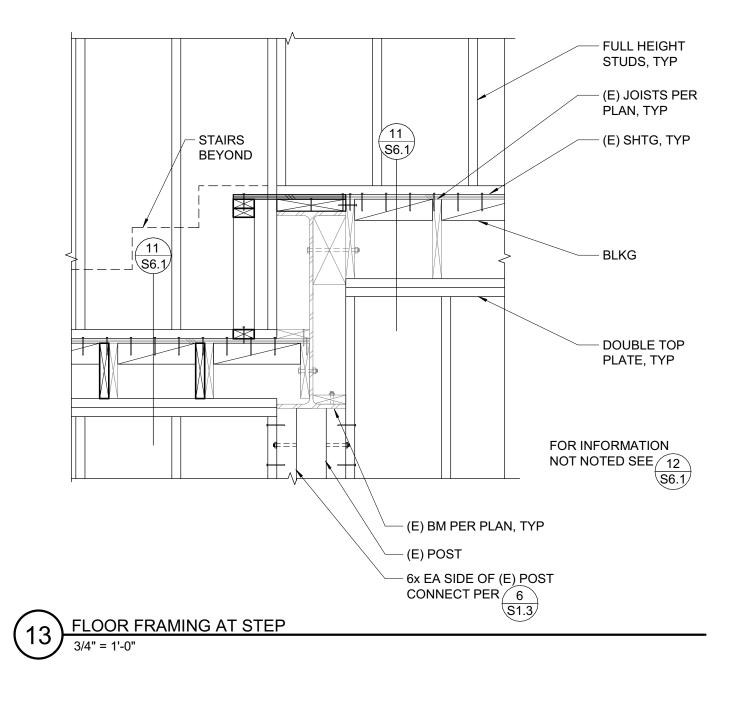
1/4" = 1'-0"

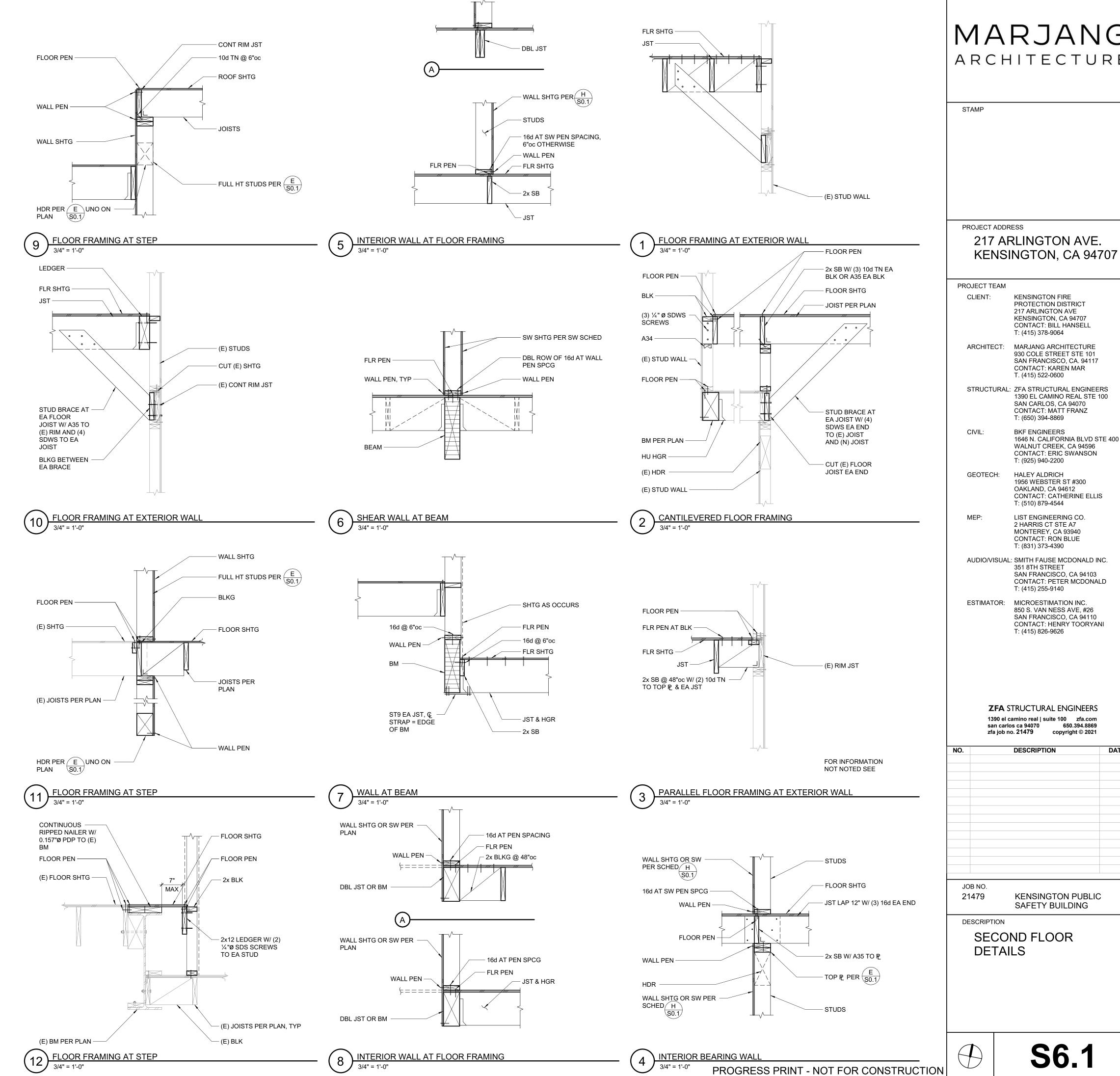
 \mathfrak{D}

S2.3









MARJANG ARCHITECTURE

PROJECT ADDRESS 217 ARLINGTON AVE.

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

STRUCTURAL: ZFA STRUCTURAL ENGINEERS 1390 EL CAMINO REAL STE 100 SAN CARLOS, CA 94070 CONTACT: MATT FRANZ

T. (415) 522-0600

T: (650) 394-8869 **BKF ENGINEERS** 1646 N. CALIFORNIA BLVD STE 400

WALNUT CREEK, CA 94596 CONTACT: ERIC SWANSON

T: (925) 940-2200 HALEY ALDRICH GEOTECH: 1956 WEBSTER ST #300

OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544

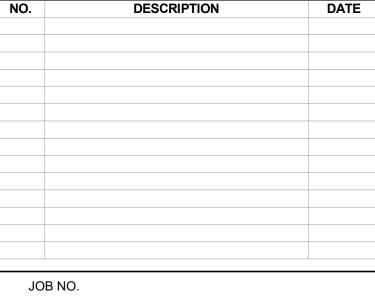
LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE T: (831) 373-4390

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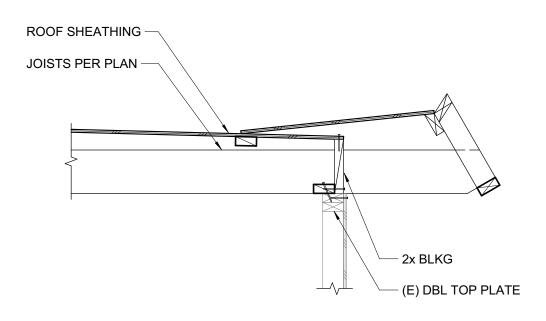


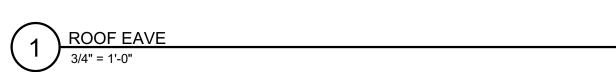
KENSINGTON PUBLIC SAFETY BUILDING

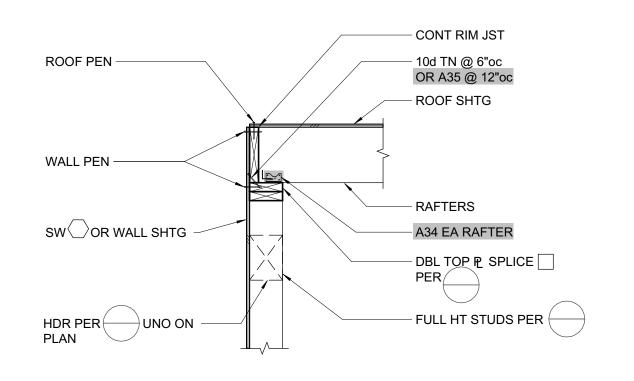
DESCRIPTION

SECOND FLOOR **DETAILS**

S6.1

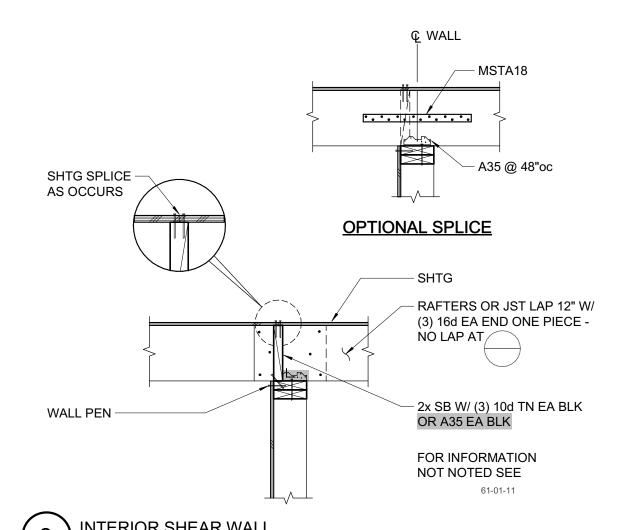






PERPENDICULAR FRAMING AT EXTERIOR WALL

3/4" = 1'-0"



MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS

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PROJECT TEAM CLIENT:

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DESCRIPTION DATE JOB NO.

21479

KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

ROOF DETAILS

S6.2

LOUVER	SCHEDULE								
CODE	LOCATION	HEIGHT	WIDTH	CFM	PRESS. DROP	WT	P/N	MFG.	REMARKS

SYMBOLS & ABBREVIATIONS (MECHANICAL)

	SYMBOL	.S & ABBREVIATIO	ONS (N	/IECHANICAL)
	⊠ вт	BYPASS TIMER	EC	ELECTRICAL CONTRACTOR
	Q	CENTER LINE	EDB	ENTERING DRY BULB
	—	CONDENSATE DRAIN	EOD	EXTENT OF DEMOLITION
			ETR	EXISTING TO REMAIN
	Ø	DIAMETER	EWB	ENTERING WET BULB
		EXHAUST, RETURN, SUPPLY	EWT °F	ENTERING WATER TEMPERATU
		AIR DUCT (EXISTING)	FC FC	DEGREES FAHRENHEIT FLEXIBLE CONNECTION
		EXHAUST, RETURN, SUPPLY	FD	FIRE DAMPER
		AIR DUCT (NEW)	FLA	FULL LOAD AMPS
		EXTENT OF DEMOLITION	FSD	FIRE SMOKE DAMPER
		EXTENT OF BEMOLITION	FT.HD.	FEET HEAD
\overline{A}		EXHAUST DUCT	FTR	FLUE THRU ROOF
		UP, DOWN, PENE & DEMO	GC	GENERAL CONTRACTOR
•	<u> </u>	FIRE/SMOKE DAMPER	GPM	GALLONS PER MINUTE
		FIRE DAMPER	HP	HORSE POWER
		POINT OF CONNECTION	KW	KILOWATTS
			LBS	POUNDS
-	<u> </u>	P/T PLUG	LWT	LEAVING WATER TEMPERATUR
		RETURN OR EXHAUST AIR	MBH	1,000 BTU/HR
	-	RETURN DUCT	MC (N)	MECHANICAL CONTRACTOR
		UP, DOWN, PENE & DEMO	(N) NIC	NEW NOT IN CONTRACT
	\$	SPEED CONTROL SWITCH	NTS	NOT TO SCALE
	Ψ		OBD	OPPOSED BLADE DAMPER
	X	SPIN-IN EXTRACTOR/DAMPER	OSA	OUTSIDE AIR
$\overline{}$		SUPPLY DUCT	PC	PLUMBING CONTRACTOR
		UP, DOWN, PENE & DEMO	PENE	PENETRATION
		SUPPLY OR OUTSIDE AIR	PD	PRESSURE DROP
	\bigcirc	THERMOSTAT at + 48"	PH	PHASE
_X	XX	TO BE REMOVED	POC	POINT OF CONNECTION
^			P/N	PART NUMBER
		TRANSFER AIR	PRV PSI	PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH
	-((TURNING VANES	P/T	PRESSURE / TEMPERATURE
		VOLUME DAMPER	RA	RETURN AIR
			RAD	RETURN AIR DUCT
	AD	400F00 D00D	(RL)	RELOCATE
	AD AFF	ACCESS DOOR ABOVE FINISH FLOOR	RPM	REVOLUTIONS PER MINUTE
	AL	ACOUSTICALLY LINED	SA	SUPPLY AIR
	AP	ACCESS PANEL	SAD	SUPPLY AIR DUCT
	BD	BALANCING DAMPER	SD	SUPPLY DIFFUSER
	BDD	BACKDRAFT DAMPER	SP	STATIC PRESSURE
	BHP	BRAKE HORSE POWER	SS	STAINLESS STEEL
	BJ	BETWEEN JOIST	STD	STANDARD
	BTU	BRITISH THERMAL UNIT	TV	TURNING VANES
	C.	CONDUIT	TYP UCD	TYPICAL UNDERCUT DOOR
	CA	COMBUSTION AIR	UON	UNLESS OTHERWISE NOTED
	CD	CONDENSATE DRAIN	V	VOLT
	CFM	CUBIC FEET PER MINUTE	V VD	VOLUME DAMPER
	DEMO	DEMOLITION	VIF	VERIFY IN FIELD
	CHWS	CHILLED WATER SUPPLY	W/	WITH
	CHWR DL	CHILLED WATER RETURN DOOR LOUVER	wc	WATER COLUMN
	UL	DOOK LOOVEK	I 14/ T	WEIGHT

WT

WEIGHT

W/O WITH OUT

EXHAUST AIR DUCT

EXISTING

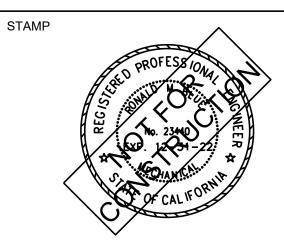
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GENERAL MECHANICAL NOTES

- 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. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE HOSPITAL IN ACCORDANCE WITH THE 2010 EDITION OF THE TITLE 24 CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24 CCR, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
- 18. ATTACHMENTS OF EQUIPMENT WEIGHING LESS THAN 400 LBS. AND SUPPORTED DIRECTLY FROM THE FLOOR OR ROOF STRUCTURE, FURNITURE OR TEMPORARY OR MOVEABLE EQUIPMENT WEIGHING LESS THAN 20 LBS. THAT IS SUPPORTED BY VIBRATION ISOLATOR DEVICES SUSPENDED FROM THE ROOF, WALL OR FLOOR NEED NOT BE DETAILED ON THE PLANS (CCR TITLE 24, PART 2, SECTION 7.125 EXCEPTION). HOWEVER, SUCH EQUIPMENT MUST BE SUPPORTED AND ANCHORED TO RESIST THE FORCES PRESCRIBED PER ASCE-7, CHAPTER 13 AS MODIFIED BY CBC 1613/1615 AND THE ANCHORAGE SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND OSHPD. THE INSPECTOR OF RECORD SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.
- 19. ROOFTOP UNIT ANCHORAGE: PROVIDE 3/8" DIA. EYEBOLTS THROUGH ROOFCURB WITH 1/8" DIA. STAINLESS STEEL AIRCRAFT CABLE LOOPS THROUGH RTU LIFTING LUGS. PROVIDE 1/8" SLACK IN LOOP. MIN. 4 PER UNIT.
- 20. DUCTWORK VISIBLE THROUGH DIFFUSERS AND REGISTERS SHALL BE PAINTED FLAT BLACK.
- 21. INSULATION MATERIAL SHALL MEET THE STATE QUALITY STANDARD PER SECTION 120.4 OF THE 2019 CALIFORNIA ENERGY CODE (CEC).
- 22. DOORS AND WINDOWS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 118
- 23. ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF
- SECTION 120.3 AND TABLE 120.3-A.
- 24. ALL HVAC SYSTEMS SHALL MEET THE CONTROL REQUIREMENTS PER SECTIONS 112 AND 122 CEC.
- 25. ALL HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE REQUIREMENTS OF SECTIONS 111-113, 115, AND 120-129 CEC.
- 26. MC SHALL PROVIDE CONCRETE INSERTS FOR HANGING EQUIPMENT, COORD. W. GC.



Job No. 21025.00



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

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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
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ЈОВ NO. **000**(KENSINGTON
PUBLIC SAFETY
BUILDING

DESCRIPTION

MECHANICAL -TITLE SHEET

M00²

VRF OUTI	/RF OUTDOOR UNIT SCHEDULE															
MARK	DESCRIPTION	LOCATION	NOMINAL CAPACITY	CAPACITY (BTUH)		MCA	MOCP	ELECT	EFFICIENCY	REFRIGERANT	CONTROL	WEIGHT	SIZE	PART NUMBER	MFG	REMARKS
			TONS	COOLING	HEATING			V/PH	IEER			(LBS)	L x W x H (IN)			
OU-1	HEAT RECOVERY VRF CONDENSER	ROOF	5	60,000	64,000	25	40	230/1		R-410A		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		R-410A		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		R-410A		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		R-410A		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 NOMINAL	CAPACITY (BTU	,	CFM	SA TEMP	OSA	ESP	Е	ELECTRICA		CONTROL	SOUND	WEIGHT	SIZE	PART	MFG	REMARKS
			TONS	CLG S / T	HEATING		CLG. DB / HTG	CFM	(IN)	MCA	MOCP	V/PH		dBA	(LBS)	(IN)	NO.		
IU-1	4-WAY CASSETTE (2x2)	LOBBY		5,500	6,100	265				0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	CONNECT TO BC-1,
IU-2	4-WAY CASSETTE (2x2)	STAFF		5,500	6,100	265				0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	CONNECT TO BC-1,
IU-3	4-WAY CASSETTE (3x3)	ADMINISTRATION		7,500	8,500	459				0.71	15	230/1	THERMOSTAT	29	66.6	33-1/16" x 33-1/16" x 9-11/16"	ARNU073TNA4	LG	CONNECT TO BC-1,
IU-4	4-WAY CASSETTE (3x3)	MEETING		9,600	10,900	477				0.71	15	230/1	THERMOSTAT	29	66.6	33-1/16" x 33-1/16" x 9-11/16"	ARNU093TNA4	LG	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	CONNECT TO BC-1
IU-6	4-WAY CASSETTE (2x2)	HALL 1		5,500	6,100	265				0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	CONNECT TO BC-1,
IU-7	4-WAY CASSETTE (2x2)	HALL 2		5,500	6,100	265				0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	CONNECT TO BC-1,
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	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	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	CONNECT TO BC-2
IU-11	WALL MOUNT	HALL 3		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	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	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	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	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	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	CONNECT TO BC-3
IU-17	HIGH STATIC DUCTED	KITCHEN		36,200	40,600	1,730			0.70	6.50	15	230/1	THERMOSTAT	46	192	61-1/2" x 27-1/8" x 18-1/8"	ARNU363B8A4	LG	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	CONNECT TO OU-4
				EACH PORT	SUM OF PORTS														
BC-1	6-Branch Unit	1ST FLOOR		60,000	230,000					0.27		230/1		38	68	31-1/4" x 18-15/16" x 8-5/8"	PRHR063A	LG	
BC-2	6-Branch Unit	DORMS, HALL 2&3, Exercise		60,000	230,000					0.27		230/1		38	68	31-1/4" x 18-15/16" x 8-5/8"	PRHR063A	LG	
BC-3	6-Branch Unit	OFFICES, KITCHEN, DAYROOM		60,000	230,000					0.27		230/1		38	68	31-1/4" x 18-15/16" x 8-5/8"	PRHR063A	LG	

NOTES:

1. PROVIDE OUTSIDE AIR INTAKE KIT (PTVK430).

ENERGY	RECOVERY VENTILATOR																	
CODE	DESCRIPTION	LOCATION	EXHAUST CFM	OUTSIDE AIR CFM	EA ESP	OSA ESP	EA HP	OSA HP	MCA	MOP	ELECT V/PH	EMERGENCY POWER	CONTROL	SIZE L x W x H (IN)	WEIGHT (LBS)	PART NO.	MFG	REMARKS
ERV-1	AIR TO AIR HEAT EXCHANGER	ROOF	3,200	1,800			3	2	45.0	60	230/1		SEE NOTE 2.	68-1/4" x 68-1/4" x 66-1/4"	1,700	RERV 1533	SPINNAKER	1.

NOTES:

- HEAT WHEEL, FAN VFDs, DISCONNECT, SMOKE DETECTOR, OSA DAMPER, BACKDRAFT DAMPER, 2" DEFLECTION SPRING ISOLATORS AT FANS, FLANGES, FLEX AND TRANSISTIONS AT DUCT CONNECTIONS, ROOF CURB
- MERV 13 FILTER ON OSA, UL-1812, DIRTY FILTER SENSOR. BALANCE TO AIRFLOWS ON PLANS. 2. FANS AND HEAT WHEEL TO RUN CONTINUOUSLY. OSA DAMPER TO CLOSE WHEN ERV IS OFF.

INFRARE	D RADIANT HEATER												
MARK	DESCRIPTION	LOCATION	HIGH INPUT BTUH	LOW INPUT BTUH	GAS PIPE	AMP	ELECT	CONTROL	WEIGHT	SIZE	PART NUMBER	MFG	REMARKS
					CONNECTION		V/PH		(LBS)	L x W x H (IN)			
IR-1	LOW INTENSITY INFRARED GAS HEATER	ASSEMBLY BAY	45,000	22,000	1/2" NPT	2.6	120/1	WALL SWITCH		111" x 18-1/2" x 8"	RSG 025	STERLING	1.
IR-2	INFRARED GAS HEATER	TURNOUT	35,000	24,000	1/2" NPT	0.1	120/1	WALL SWITCH	55	48" x 12" x 10"	RSW35-N2	STERLING	2.
IR-3	TUNGSTEN 2000W ELECTRIC HEATER	WORKSHOP, DECON				15	208/1	WALL SWITCH	20	44" x 8.5" x 3.5"	BH0420030	BROMIC	3.

NOTES:

- 1. PROVIDE HEAT SHEILD AND MOUNTING. CEILING MOUNT HORIZONTALLY. INSTALL PER MANUFACTURER INSTRUCTIONS. PROVIDE EXHAUST HOOD (Part #42924000) FOR EACH HEATER. ROOM EXHAUST TO BE AT LEAST 4 CFM/ 1000 BTUH INPUT.
- 2. CEILING MOUNT HORIZONTALLY. INSTALL PER MANUFACTURER INSTRUCTIONS. ROOM EXHAUST TO BE AT LEAST 4 CFM/ 1000 BTUH INPUT.
- 3. WALL MOUNT AT 45 DEGREES. INSTALL PER MANUFACTURER INSTRUCTIONS.



STAMP

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 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) 394-8869

> **BKF ENGINEERS** 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596 CONTACT: ERIC SWANSON

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

T: (925) 940-2200

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

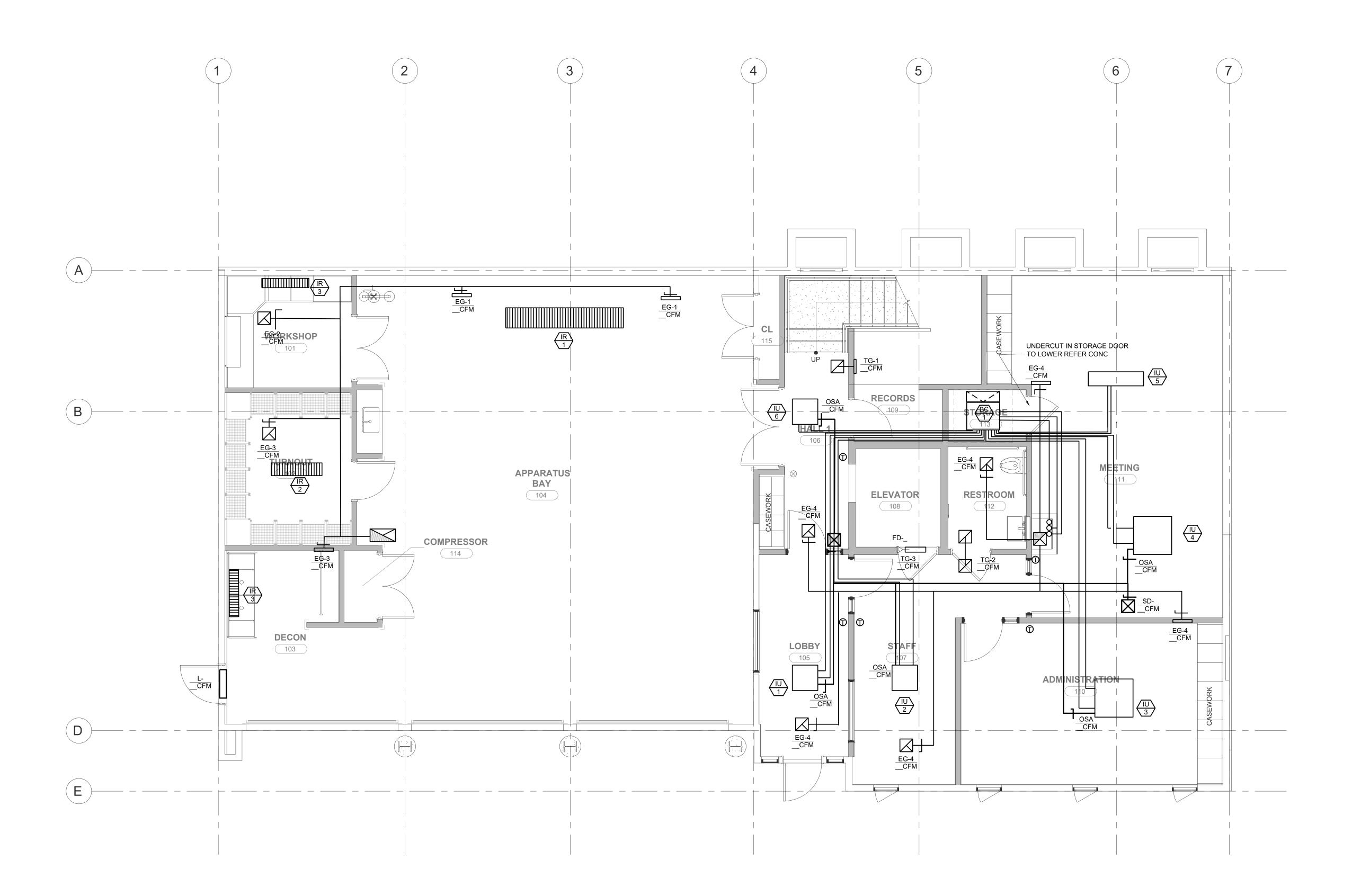
T: (415) 826-9626

KENSINGTON 0000 PUBLIC SAFETY BUILDING

DESCRIPTION

MECHANICAL -SCHEDULE

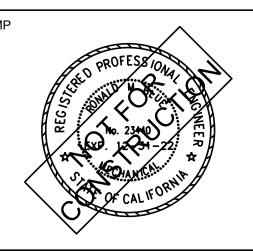












217 ARLINGTON AVE. KENSINGTON, CA, 94707

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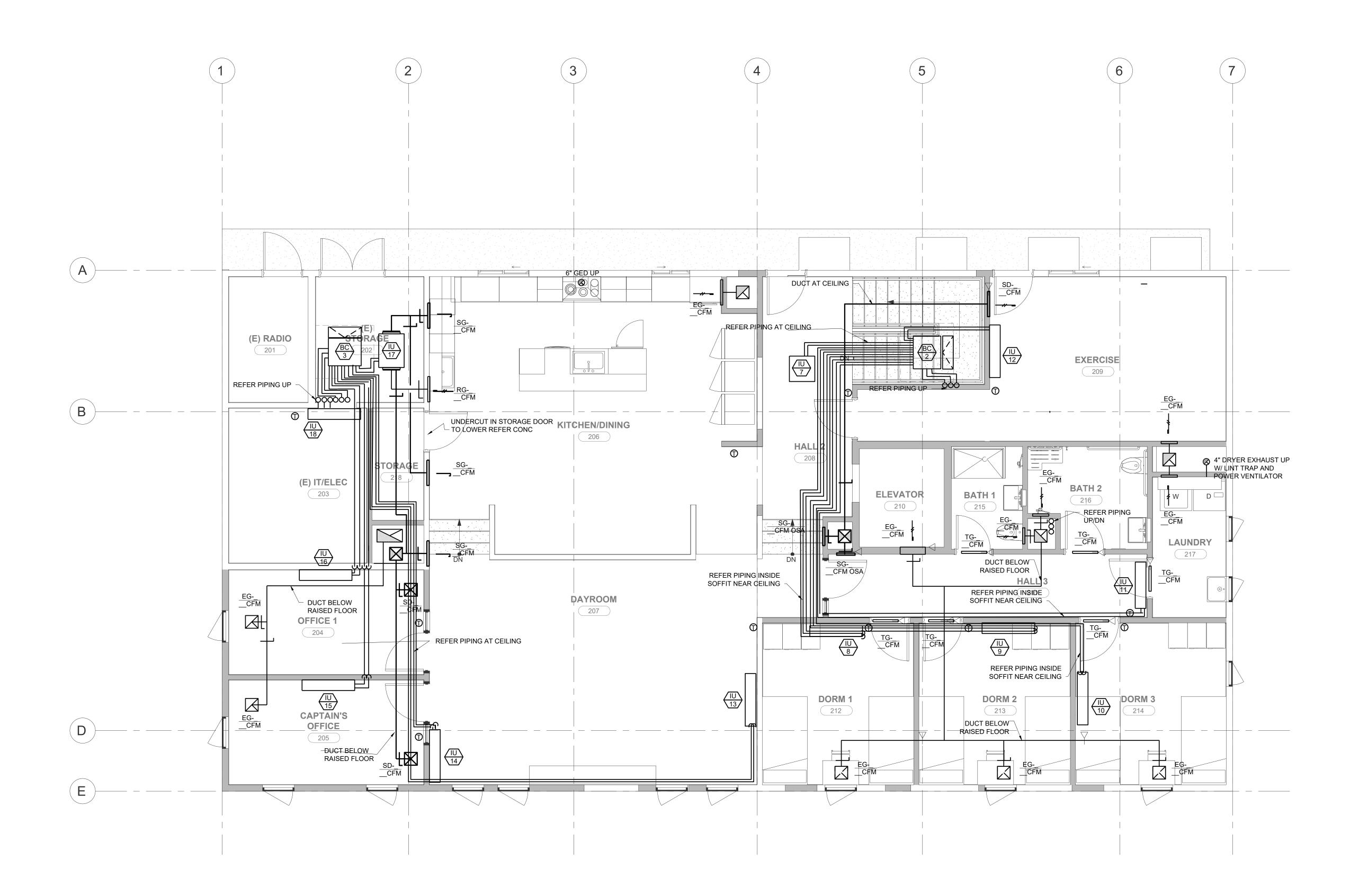
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

KENSINGTON **PUBLIC SAFETY** BUILDING

DESCRIPTION

MECHANICAL -**GROUND FLOOR** PLAN

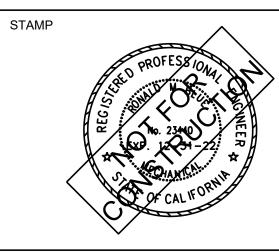












217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

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

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CONTACT: RON BLUE T: (831) 373-4390 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

2 HARRIS CT STE A7 MONTEREY, CA 93940

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

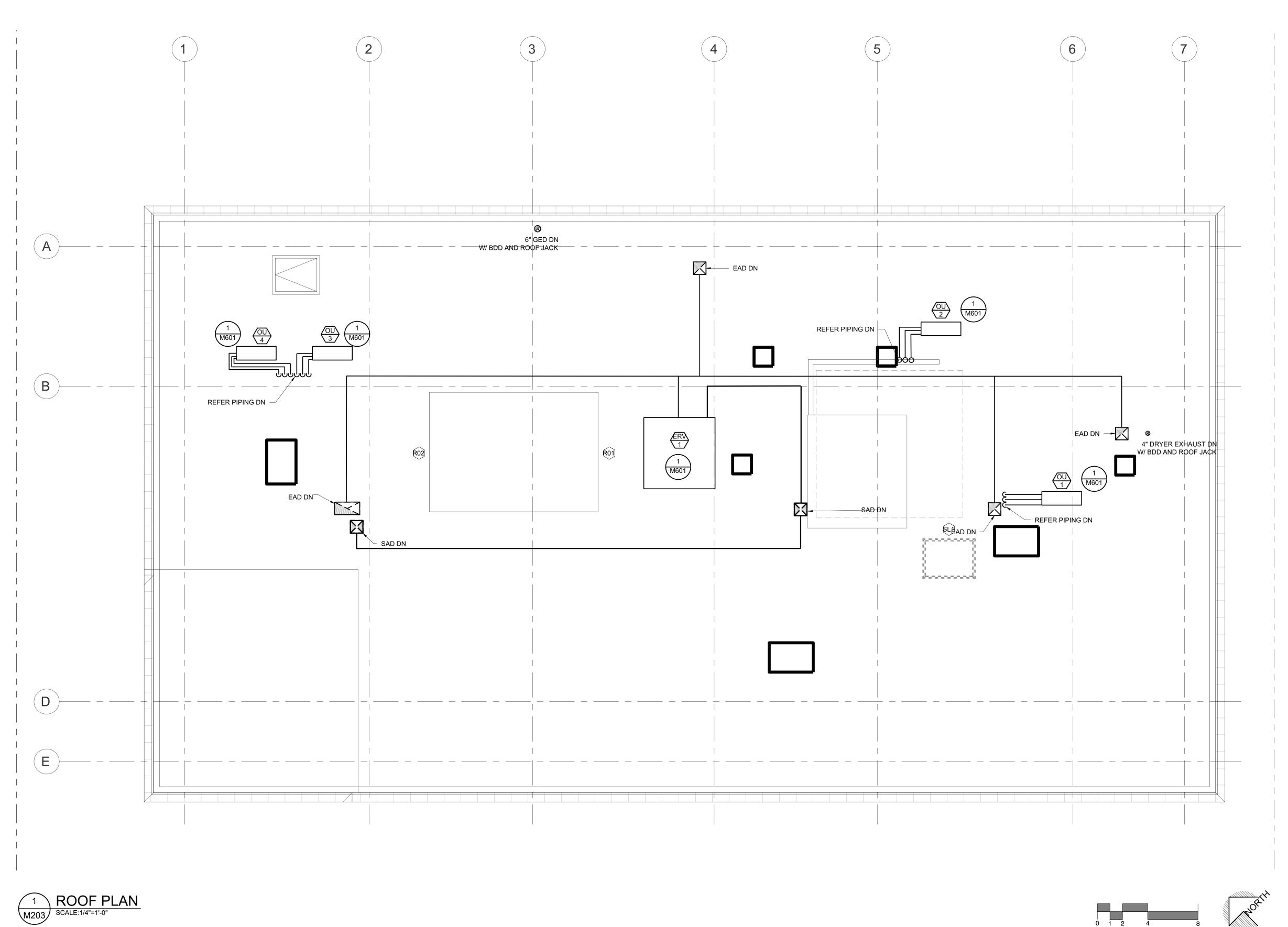
CONTACT: HENRY TOORYANI T: (415) 826-9626

KENSINGTON **PUBLIC SAFETY** BUILDING

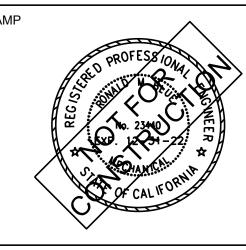
DESCRIPTION

MECHANICAL -SECOND FLOOR PLAN









217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

CIVIL:

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

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SAN FRANCISCO, CA. 94117
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS
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AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

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

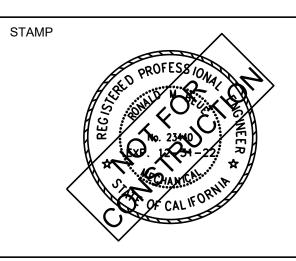
KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

MECHANICAL -**ROOF PLAN**







217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

CIVIL:

MEP:

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

CONTACT: KAREN MAR
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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

> BKF ENGINEERS 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596 CONTACT: ERIC SWANSON

GEOTECH: HALEY ALDRICH 1956 WEBSTER ST #300 OAKLAND, CA 94612

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T: (510) 879-4544

LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE

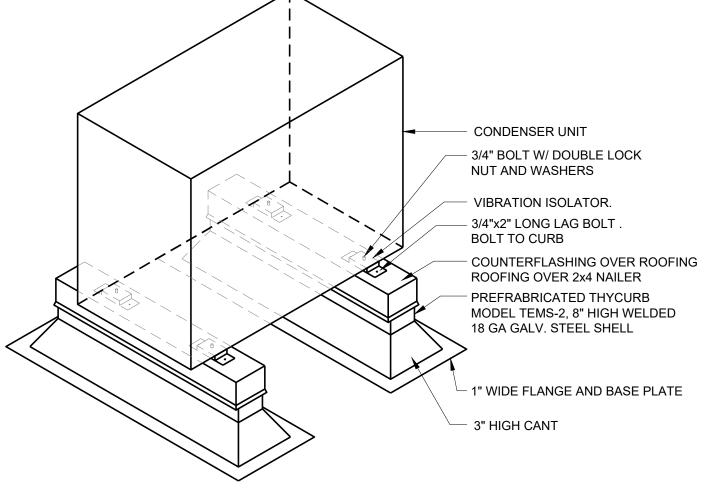
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC. 351 8TH STREET

T: (831) 373-4390

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 TOORYAN

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



1 ROOFTOP EQUIPMENT SUPPORT DETAIL
M601 NO SCALE

JOB NO. KENSINGTON
0000 PUBLIC SAFETY
BUILDING

DESCRIPTION

MECHANICAL -ROOF PLAN

M601

WATER H	IEATER SCHEDULE												
CODE	LOCATION	SERVICE	GAS MBH INPUT	TANK CAPACITY	GPH @ 100 F RISE	AMP	LECTRICA VOLT	\L I ph	WEIGHT (LBS)	HEIGHT (IN)	PART NO.	MFG	REMARKS
WH-1	STORAGE	DHW	1141 01	OAL ACTI	NOL	7 (IVII	VOLI		(EBO)	(114)	140.		

PUMP SO	CHEDULE															
CODE	LOCATION	SERVICE	GPM	FT. HD.	CONN.	PUMP	MIN	M	OTOR DA	TA			WT	P/N	MFG.	REMARKS
					SIZE	RPM	% EFF	H.P.	RPM	VOLT	PH	HZ	LBS			
CP-1	ADJACENT TO WATER HEATER	DHWR														

NOTES:

- LEAD FREE BRONZE.
- SECURE WITH STEEL STRUTS AND CLAMPS.

EXPANSI	ON TANK SCHEDULE			
SYMBOL	DESCRIPTION	CAPACITY (GAL)	MAKE & MODEL	REMARKS
ET-1	EXPANSION TANK	2.1	WATTS PLT-5	1,2

1. DO NOT PUT SHUT-OFF VALVE BETWEEN WATER IN AND EXPANSION TANK.

2. PROVIDE AND INSTALL UNION ON INLET TO ET-1.

_	DESCRIPTION	FU/FIXTURE	DCW FU	DHW FU	REMARKS
3	WATER CLOSET (TANK)	2.5	7.5	-	
3	LAVATORY	1	3	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	
1	CLOTHES WASHER	4	4	4	
		TOTAL:	27.5	20	
	DEMAND IN GPM:		19	14	

WA	ASTE FIXTURE UNIT CAI	CULATIONS	(DFU)	
QTY.	DESCRIPTION	DFU/FIXTURE	TOTAL DFU	REMARKS
3	WATER CLOSET (TANK)	4	12	
3	LAVATORY	2	0	
2	SHOWER	2	4	
1	DISHWASHER	2	2	
1	SERVICE SINK	3	3	
1	CLOTHES WASHER	2.5	2.5	
		TOTAL:	29.5	

METER ADDRESS:					
MINIMUM SUPPLY PRESSURE:				55	PSI
MAXIMUM FLOW RATE BASED ON FIXTURE UNITS:				19	GPM
LENGTH OF PIPE FROM METER TO FARTHEST FIXTURE:				125	FT
WATER PRESSURE CALCULATION:					
AVAILABLE PRESSURE:				55	PSI
RESIDUAL PRESSURE:				25	PSI
ELEVATION CHANGE:		10	FT	4	PSI
METER LOSS:				10	PSI
BACKFLOW PREVENTOR LOSS:				10	PSI
PRV LOSS:				0	PSI
MAXIMUM AVAILABLE FRICTION LOSS:				6	PSI
(MAX FRICTION) x 100 / (TOTAL LENGTH) =				4.52	PSI/100FT
	(E) WATER SERVICE SIZE:			1-1/2"	

THE ABOVE DOES NOT INCLUDE FIRE PROTECTION OR LANDSCAPE. THE ABOVE CALCULATION BASED ON 2019 CPC APPENDIX A.

1 🗸 1	BALANCING COCK	ABV CLG	ABOVE CEILING
ι Γι		AFCO	ACID FLOOR CLEANOUT
—— ●	BALL VALVE	AFD	ACID RESISTANT FLOOR DRAII
<u> </u>	CAP	AFF	ABOVE FINISH FLOOR
	CHECK VALVE	AGCO	ACID GRADE CLEANOUT
		AP	ACCESS PANEL
$ \blacksquare $	CLEANOUT	AV	ACID VENT
—— A ———	COMPRESSED AIR PIPING (E)	AVTR	ACID VENT THRU ROOF
D	- DEIONIZED WATER (EXISTING)	AW	ACID WASTE
	_ DOMESTIC COLD	AWCO	ACID WALL CLEANOUT
	WATER (EXISTING)	BV	BALL VALVE
	_ DOMESTIC COLD	CA	COMPRESSED AIR PIPING
	WATER (NEW)	СВ	CATCH BASIN
	- DOMESTIC HOT WATER	CD	CONDENSATE
	(EXISTING)	CFH	CUBIC FEET PER HOUR
	DOMESTIC HOT WATER (NEW)	CI	CAST IRON
	DOMESTIC HOT WATER RETURN	CP	CHROME PLATED
	(EXISTING)	DCW	DOMESTIC COLD WATER
	- DOMESTIC HOT WATER RETURN	DHW	DOMESTIC HOT WATER RETU
	(NEW)	DHWR DCV	DOMESTIC HOT WATER RETURN DETECTOR CHECK VALVE
	DIRECTION OF FLOW	DEV DF	DRINKING FOUNTAIN
DSP	- DRY STANDPIPE	DN	DOWN
—— FI ———		DS	DOWN SPOUT
	- FIRE SPRINKLER PIPING	DSP	DRY STAND PIPE
—— ——	FLANGED UNION	(E)	EXISTING
	FLOOR DRAIN/ AREA DRAIN	EC	ELECTRICAL CONTRACTOR
	FLOOR SINK	EL	ELEVATION
		EWH	ELECTRIC WATER HEATER
FM	- FORCE MAIN	(F)	FIRE SPRINKLER PIPING
G	- GAS PIPING (EXISTING)	FC	FLEX CONNECTOR
—— G ———	- GAS PIPING (NEW)	FCO	FLOOR CLEANOUT
	GAS COCK	FD	FLOOR DRAIN
		FL	FIRE LINE
	GATE VALVE	FM	FORCE MAIN
—— — ——	GLOBE VALVE	FS	FLOOR SINK
HPG	HIGH PRESSURE GAS	FSC	FIRE SPRINKLER CONTRACTO
пго-	PIPING	GC	GENERAL CONTRACTOR
	HOSE BIBB ((E) 3/4" MIN.)	GCO	GROUND CLEANOUT
	LIQUID PETROLEUM GAS	GPM	GALLONS PER MINUTE
—— LPG ———	PIPING (EXISTING)	GW	GREASE WASTE
	LIQUID PETROLEUM GAS	HB	HOSE BIBB
—— LPG ———	PIPING (NEW)	HPG	HIGH PRESSURE GAS
O2	OXYGEN PIPING (EXISTING)	DHWS	HOT WATER SUPPLY
O2		IE:	INVERT ELEVATION
-	OXYGEN PIPING (NEW)	LAV	LAVATORY
	PETES PLUG	LPG MC	LOW PRESSURE GAS MECHANICAL CONTRACTOR
	- PIPE (ABOVE THE CEILING)	MS	MOP SINK
<u> </u>	PIPE HANGER	NPW	NON POTABLE WATER
\wedge		(N)	NEW
\bigcirc	PIPE TURNING UP (RISE)	OFD	OVERFLOW DRAIN
<u> </u>	PIPE TURNING DOWN (DROP)	02	OXYGEN
	PIPE TEE DOWN	PC	PLUMBING CONTRACTOR
		PIV	POST INDICATION VALVE
	PRESSURE REDUCING VALVE	POC	POINT OF CONNECTION
<u> </u>	T & PRV RELIEF VALVE	POD	POINT OF DEMOLITION
	POINT OF CONNECTION	PP	PETES PLUG
	TO EXISTING	PRV	PRESSURE REDUCING VALVE
RWL	RAIN WATER LEADER (EXISTING)	PVC	POLYVINYL CHLORIDE PIPE
RWL	- RAIN WATER LEADER	RD	ROOF DRAIN
L		RPBFP	BACKFLOW PREVENTOR
——V——	REDUCER		REDUCED PRESSURE
	ROOF DRAIN	RWL	RAIN WATER LEADER
SD	- STORM DRAIN (EXISTING)	RTU	ROOF TOP UNIT
SD	- STORM DRAIN (NEW)	SD	STORM DRAIN
— ას 	,	SDCW	SOFT DOMESTIC COLD WATER
	STRAINER	SDHW	SOFT DOMESTIC HOT WATER
	SUB-SOIL PIPING	SK	SINK
——II——	UNION	SOV	SHUTOFF VALVE
111		SS	SANITARY SEWER
	\/A O	TP	TRAP PRIMER
VAC	- VACUUM PIPING (EXISTING)	IIID	URINAL
VAC	VACUUM PIPING (EXISTING)VACUUM PIPING (NEW)	UR V	VENT
	- VACUUM PIPING (NEW)	V	VENT
	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING)	V VB	VALVE BOX
VAC	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW)	V VB VAC	VALVE BOX VACUUM
	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING)	V VB VAC VIF	VALVE BOX VACUUM VERIFY IN FIELD
VAC	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW)	V VB VAC	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF
VAC	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING)	V VB VAC VIF VTR W	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE
VAC	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING) - (N) WASTE PIPING (ABOVE FLOOR)	V VB VAC VIF VTR	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE WATER CLOSET
VAC	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING) - (N) WASTE PIPING (ABOVE FLOOR) WASTE PIPING -	V VB VAC VIF VTR W WC WCO	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE WATER CLOSET WALL CLEANOUT
VAC	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING) - (N) WASTE PIPING (ABOVE FLOOR) WASTE PIPING - UNDERGROUND (NEW)	V VB VAC VIF VTR W WC	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE WATER CLOSET
VAC	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING) - (N) WASTE PIPING (ABOVE FLOOR) WASTE PIPING -	V VB VAC VIF VTR W WC WCO WH	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE WATER CLOSET WALL CLEANOUT WATER HEATER WATER HAMMER ARRESTOR
VAC	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING) - (N) WASTE PIPING (ABOVE FLOOR) WASTE PIPING - UNDERGROUND (NEW) - GREASE WASTE (EXISTING)	V VB VAC VIF VTR W WC WCO WH	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE WATER CLOSET WALL CLEANOUT WATER HEATER
	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING) - (N) WASTE PIPING (ABOVE FLOOR) - WASTE PIPING UNDERGROUND (NEW) - GREASE WASTE (EXISTING) - GREASE WASTE (NEW)	V VB VAC VIF VTR W WC WCO WH	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE WATER CLOSET WALL CLEANOUT WATER HEATER WATER HAMMER ARRESTOR
	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING) - (N) WASTE PIPING (ABOVE FLOOR) - WASTE PIPING - UNDERGROUND (NEW) - GREASE WASTE (EXISTING) - GREASE WASTE (NEW) - WET STANDPIPE (EXISTING)	V VB VAC VIF VTR W WC WCO WH	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE WATER CLOSET WALL CLEANOUT WATER HEATER WATER HAMMER ARRESTOR
	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING) - (N) WASTE PIPING (ABOVE FLOOR) - WASTE PIPING - UNDERGROUND (NEW) - GREASE WASTE (EXISTING) - GREASE WASTE (NEW) - WET STANDPIPE (EXISTING)	V VB VAC VIF VTR W WC WCO WH	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE WATER CLOSET WALL CLEANOUT WATER HEATER WATER HAMMER ARRESTOR
	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING) - (N) WASTE PIPING (ABOVE FLOOR) WASTE PIPING - UNDERGROUND (NEW) - GREASE WASTE (EXISTING) - GREASE WASTE (NEW) - WET STANDPIPE (EXISTING) - WET STANDPIPE (NEW) WATERHAMMER ARRESTOR	V VB VAC VIF VTR W WC WCO WH	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE WATER CLOSET WALL CLEANOUT WATER HEATER WATER HAMMER ARRESTOR
	- VACUUM PIPING (NEW) - VENT PIPING (EXISTING) - VENT PIPING (NEW) - ACID VENT - WASTE PIPING (EXISTING) - (N) WASTE PIPING (ABOVE FLOOR) - WASTE PIPING - UNDERGROUND (NEW) - GREASE WASTE (EXISTING) - GREASE WASTE (NEW) - WET STANDPIPE (EXISTING)	V VB VAC VIF VTR W WC WCO WH	VALVE BOX VACUUM VERIFY IN FIELD VENT THRU ROOF WASTE WATER CLOSET WALL CLEANOUT WATER HEATER WATER HAMMER ARRESTOR

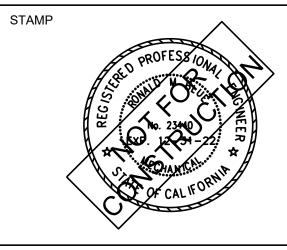
GENERAL PLUMBING NOTES

- 1. 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.
- 2. LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT SUPPORTS ARE DETAILED ON THE STRUCTURAL AND ARCHITECTURAL PLANS.
- 3. 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.
- 4. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, AND OTHER
- 5. ALL EQUIPMENT, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
- 6. PIPES SHALL BE SUPPORTED AND BRACED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS."
- 7. 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.
- 8. EXPOSED PIPING ALLOWED ONLY WHERE INDICATED. PROVIDE ESCUTCHEONS IN FINISHED AREAS.
- 9. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL PLUMBING EQUIPMENT.

DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.

- 10. PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR EQUIPMENT PROVIDED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EQUIPMENT.
- 11. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED BY AN APPROVED MATERIAL AS PRESCRIBED IN CBC SECTION 714.
- 12. 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.
- 13. FIELD VERIFY LOCATION AND SIZE OF ALL EXISTING PIPING, DUCTWORK AND EQUIPMENT PRIOR TO FABRICATION OF ANY NEW WORK.
- 14. ALL WATER CLOSETS CONTROLS SHALL BE ON THE SIDE OF THE FIXTURE AWAY FROM THE WALL.
- 15. ALL FAUCET CONTROLS SHALL BE OPERABLE WITH THE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.
- 16. PC SHALL PROVIDE CONCRETE INSERTS FOR HANGING PLUMBING EQUIPMENT, COORD. W/ GC.





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KENSINGTON **PUBLIC SAFETY** BUILDING

DESCRIPTION

PLUMBING -TITLE SHEET

P001

CODE	DESCRIPTION	ACCESSIBLE	MOUNTING TYPE			GOOSENECK	MIN. RO	DUGH-IN	CONN (IN)		LOCATION	REMARKS
			FLOOR	COUNTER TOP	WALL	SPOUT	W	V	CW	HW	NPW		
WC-1	WATER CLOSET	ADA	_	-	•	ı	4	2	1/2	ı	_	RESTROOM, BATH 2	1.1 GPF, FLUSH VALVE
WC-2	WATER CLOSET	_	_	-	•	ı	4	2	1/2	-	_	BATH 1	1.1 GPF, FLUSH VALVE
SH-1	SHOWER	ADA	-	-	•	1	_	ı	1/2	1/2	_	BATH 2	1.5 GPM
SH-2	SHOWER	_	-	_	•		_	-	1/2	1/2	-	BATH 1	1.5 GPM
L-1	LAVATORY	ADA	-	-	•	1	2	11/2	1/2	1/2	-	RESTROOM, BATH 2	0.50 GPM
L-2	LAVATORY	_	_	-	•	1	2	11/2	1/2	1/2	_	BATH 1	0.50 GPM
SK-1	KITCHEN SINK	ADA	-	•	-	•	2	11/2	1/2	1/2	_	KITCHEN	2.2 GPM
SK-2	KITCHEN SINK	_	-	•	_	•	2	11/2	1/2	1/2	-	KITCHEN	2.2 GPM
SK-3	LAUNDRY SINK	_	_	_	•	•	2	11/2	1/2	1/2	_	LAUNDRY	
SK-4	SERVICE SINK	_	•	_	•	•	2	11/2	1/2	1/2	_	DECON	1.2 GPM
CW-1	CLOTHES WASHER	_	•	_	_	_	2	11/2	1/2	1/2	_	LAUNDRY	PROVIDE WITH WHA
FD-1	FLOOR DRAIN	_	•	_	_	_	2	1 1/2	_	_	1/2"		TRAP PRIMER CONNECTION
FS-1	FLOOR SINK	_	•	_	_	_	2	1 1/2	_	_	1/2"		TRAP PRIMER CONNECTION
ES-1	EMERGENCY SHOWER/ EYEWASH	_	_	_	•	_	_	-	1-1/4"	1-1/4"	_	ASSEMBLY BAY	VACUUM BREAKER, 20GPM
HB-1	HOSE BIBB	_	_	_	•	_	_	_	3/4"	_	_	EXTERIOR	VACUUM BREAKER
DF-1	DRINKING FOUNTAIN			-									1.5 GPM
RD-1	ROOF DRAIN	_	•	-	_	-	2	1 1/2	-	_	1/2"	ROOF	TRAP PRIMER CONNECTION
OFD-1	OVERFLOW DRAIN	_	•	-	_	_	2	1 1/2	-	-	1/2"	ROOF	TRAP PRIMER CONNECTION
SOI-1	SAND & OIL INTERCEPTOR			-		-1	4"	3"					STRIEM OS-100, BURRIED, TO SANITARY SEWER

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 &	ABOVE GROUND	ALL	TYPE "L" COPPER HARD	WROT SOLDER	95-5 SOLDER	2
DOMESTIC HOT WATER RETURN						
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.

INSULATION SCHEDULE										
SYSTEM	FLUID			PIPE SIZE			INSULATION	COVER ON	FITTING	FITTING
TYPE	TEMP RANGE	<1"	1 1/4"- 2"	2 1/2"- 4"	5"-6"	6>	TYPE	JACKET	INSULATION	JACKET
	(°F)		INSU	LATION THICK	NESS			TYPE	TYPE	TYPE
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

1. GLASS FIBER WITH PREFORMED PIPE INSULATION WITH STANDARD JACKET. 2. GLASS FIBER BLANKET INSULATION WITH VAPOR BARRIER R4.2 MIN.

3. FLEXIBLE ELASTROMETRIC CELLULAR INSULATION (I.E "ARMSTRONG ARNAFLEX")

4. CELLULAR GLASS FORMED PIPE INSULATION. ALUMINUM JACKET.

6. POLYETHYLENE POLYPROPYLENE.

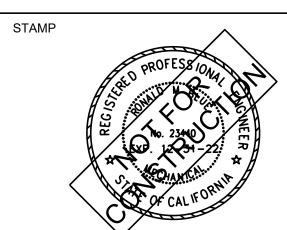
1. ON BRANCH LINES 10' LONG & CONN. DIRECTLY TO FIXTURE OR TERMINAL UNIT USE 1/2" INSULATION.

2. DIMESTIC 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.

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KENSINGTON 0000 PUBLIC SAFETY BUILDING

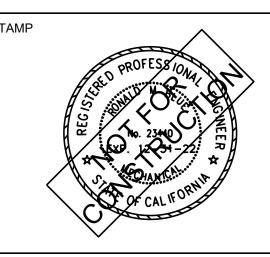
DESCRIPTION

PLUMBING -SCHEDULE

P002

- 1. (E) FD TO REMAIN.
- 2. REMOVE (E) FIXTURES AND PIPING COMPLETE ABOVE FLOOR.
- 3. CONTRACTOR TO VERIFY (E) WASTE BELOW FLOOR PRIOR TO DEMOLITION.
- 4. PROVIDE (N) CAP TO UNUSED PORTION OF PIPE.
- 5. PROVIDE (N) WCO.





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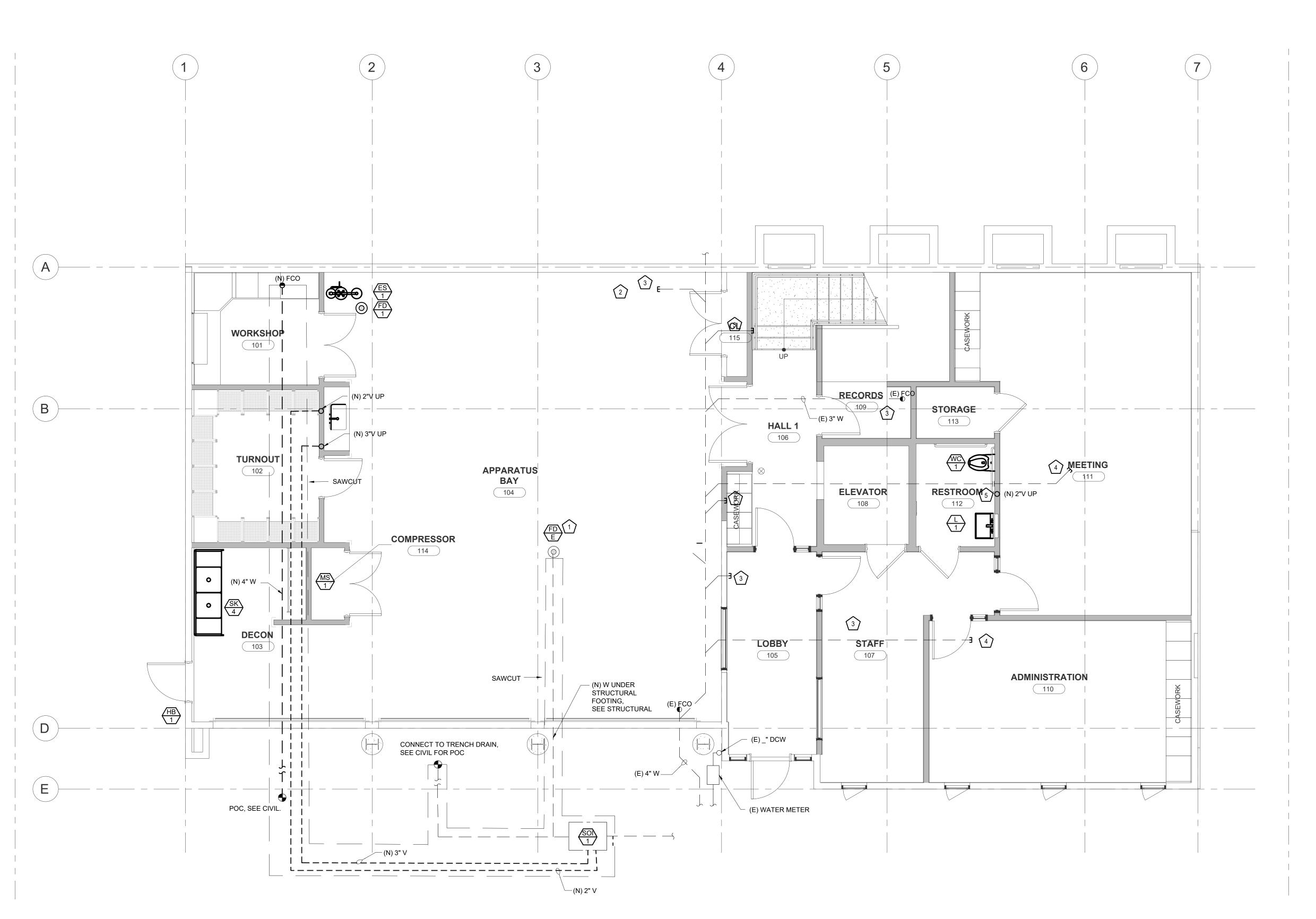
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JOB NO. **00** KENSINGTON 00 PUBLIC SAFETY BUILDING

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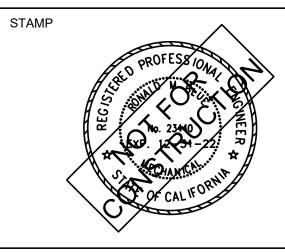
PLUMBING -GROUND FLOOR PLAN



1 GROUND FLOOR PLAN
P201 SCALE:1/4"=1'-0"







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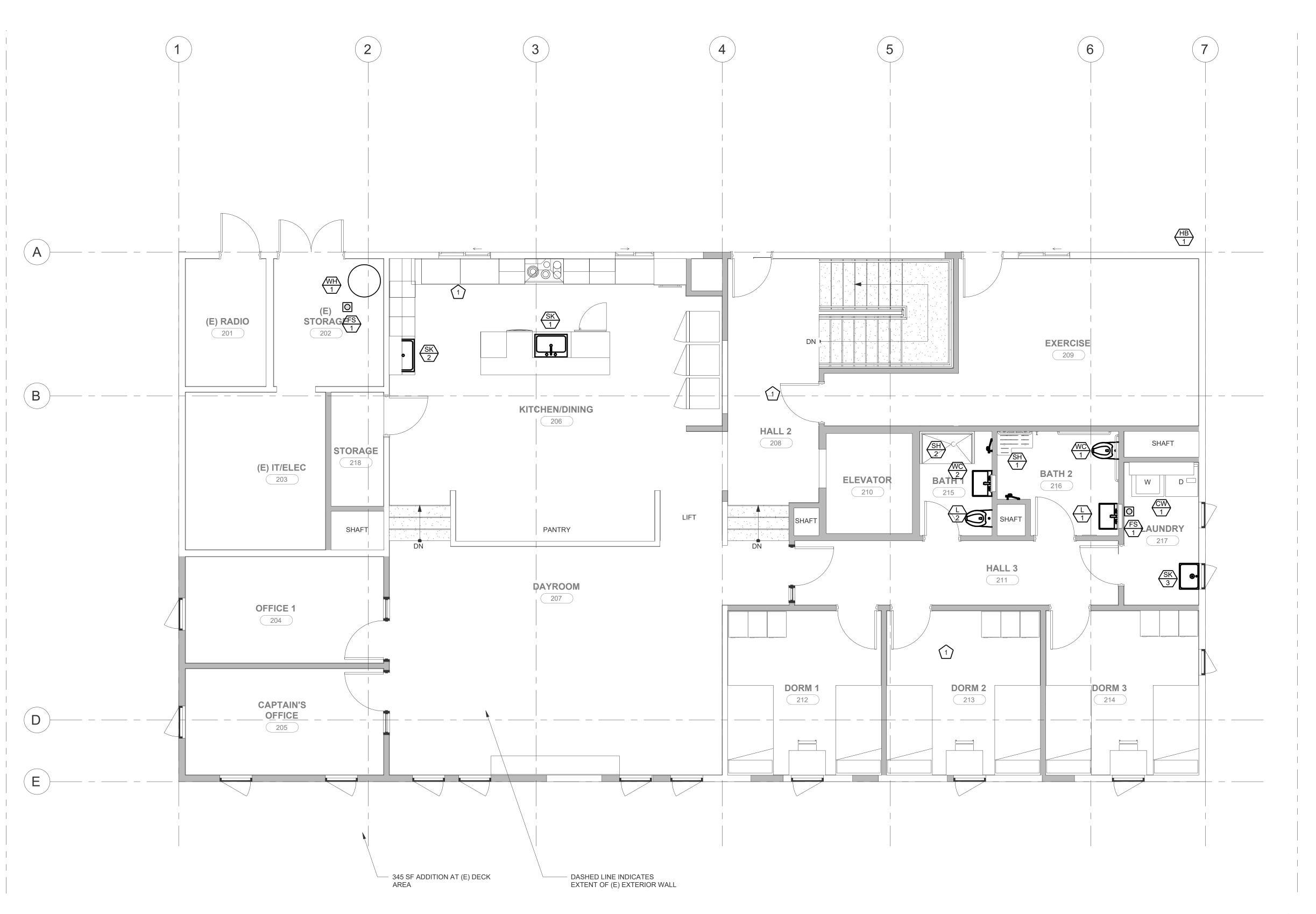
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KENSINGTON **PUBLIC SAFETY** BUILDING

DESCRIPTION

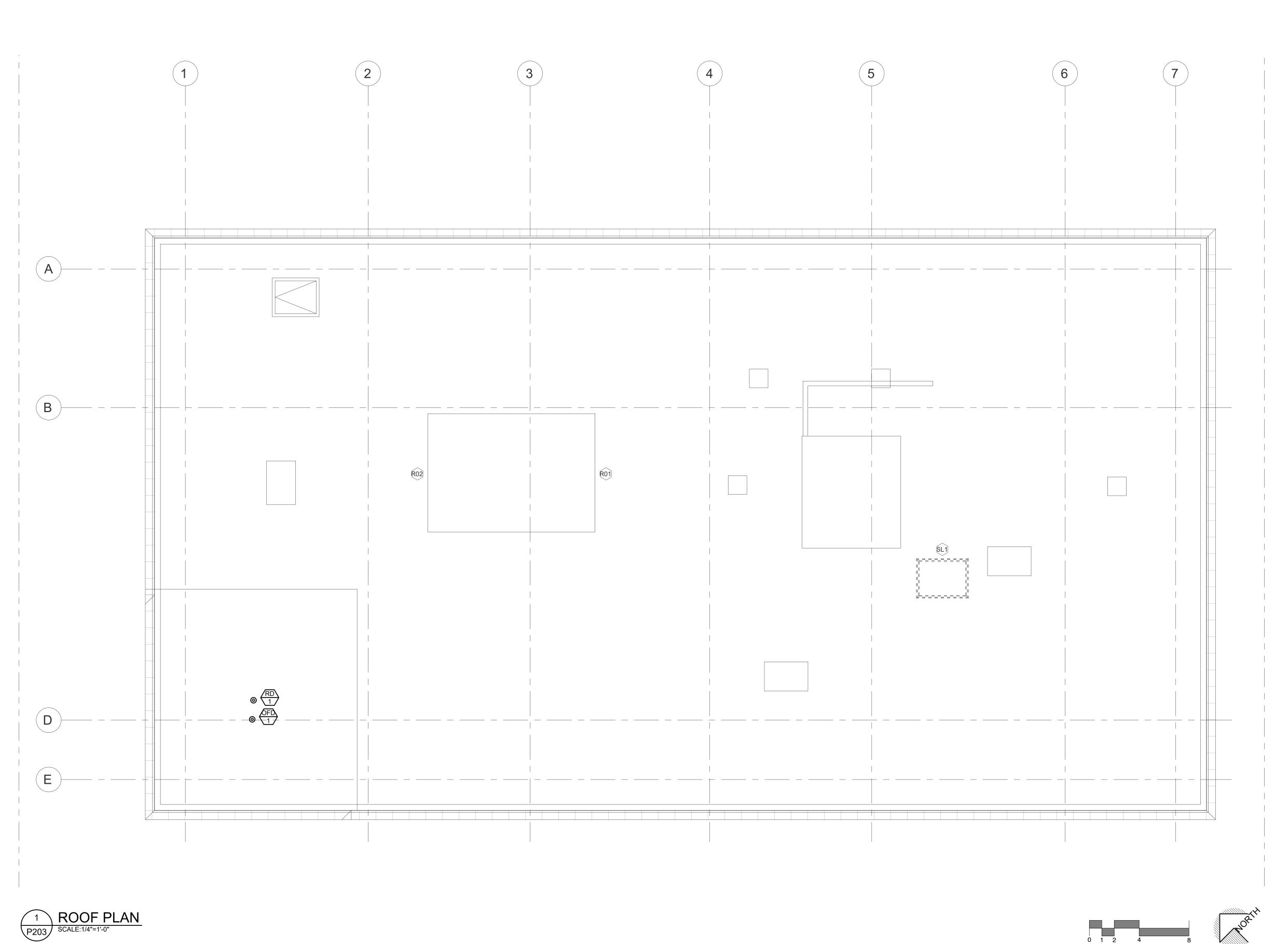
PLUMBING -SECOND FLOOR PLAN



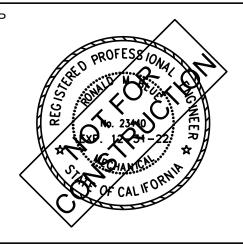












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KENSINGTON 0000 PUBLIC SAFETY BUILDING

DESCRIPTION

PLUMBING -ROOF **DEMOLITION PLAN**

SYMBOLS & ABBREVIATIONS (FIRE PROTECTION) ALARM BELL AC ASBESTOS CEMENT AFF ABOVE FINISH FLOOR AFG ABOVE FINISH GRADE **BUTTERFLY VALVE** BFV **BUTTERFLY VALVE** N CI CAST IRON CHECK VALVE CLG CEILING \square DETECTOR CHECK VALVE CONC. CONCRETE -D-DRAIN PIPE CV CHECK VALVE DCV DETECTOR CHECK VALVE FIRE HYDRANT (2 HOSE OUTLET) DOWN DN FIRE HYDRANT (2 HOSE OUTLET DSP DRY STANDPIPE AND PUMPER CONNECTION (E) EXISTING (E) FIRE SPRINKLER PIPING EC ELECTRICAL CONTRACTOR EQB (N) FIRE SPRINKLER PIPING EARTHQUAKE BRACE FDC FIRE DEPARTMENT CONNECTION — — FIRE SPRINKLER PIPING -FΗ FIRE HYDRANT UNDERGROUND (UG) FS FIRE SPRINKLER FIRE SPRINKLER RISER FSC FIRE SPRINKLER CONTRACTOR GPM GALLONS PER MINUTE FLOW DETECTOR SWITCH HOSE VALVE HV TWO WAY SEISMIC RESTRAINT MJ MECHANICAL JOINT FOUR WAY SEISMIC RESTRAINT \bowtie NFPA NATIONAL FIRE PROTECTION GATE VALVE ASSOCIATION MAIN TAP NIC NOT IN CONTRACT O S AND Y VALVE NTS NOT TO SCALE PIV POST INDICATION VALVE POST INDICATING VALVE OS&Y OUTSIDE SCREW AND YOKE CONNECTION (FREE STANDING) POUNDS PER SQUARE INCH SIAMESE FIRE DEPARTMENT PVC POLYVINYL CHLORIDE CONNECTION (WALL TYPE) REQ'D REQUIRED SIAMESE FIRE DEPARTMENT SHT. MTL. SHEET METAL SQ. FT. SQUARE FEET SPRINKLER HEAD: FLUSH ST STEEL SPRINKLER HEAD: PENDENT TYP TYPICAL SPRINKLER HEAD: SIDEWALL W/ WITH \bigcirc WSP WET STANDPIPE SPRINKLER HEAD: UPRIGHT VALVE BOX VALVE WITH TAMPER DETECTOR/SWITCH WATER TOWER/TANK ABOVE-**GROUND HORIZONTAL** WATER TOWER/TANK ABOVE-GROUND VERTICAL 'U' HOOK WRAP AROUND 'U' HOOK SIDE BEAM BRACKET ROD COACH SCREW ROD

TO LEVEL 2 SPRINKLER - PIPE HANGER FOUR-WAY SEISMIC BRACE → TO LEVEL 1 SPINKLER ALARM BELL COORD. W/ ELECT FOR CONN. TO BLDG FIRE ALARM SYSTEM — FLEX COUPLING OUTSIDE FLOW SWITCH -INSIDE 2" DRAIN TO SPLASH BLOCK - 4" BFV W/ TAMPER SWITCH MIN. 36" OF COVER FLEX COUPLING - FINISH FLOOR 6" FIRE MAIN — THRUST BLOCK (FP001)

DRAWIN	G INDEX
DWG#	DRAWING DESCRIPTION
FP001	FIRE PROTECTION - TITLE SHEET
FP201	FIRE PROTECTION - GROUND FLOOR PLAN
FP202	FIRE PROTECTION - SECOND FLOOR PLAN

GENERAL FIRE PROTECTION NOTES

1. 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.

2. 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.

3. REFER TO ELECTRICAL DRAWINGS FOR TYPE AND LOCATION OF LIGHT FIXTURES.

4. REFER TO THE MECHANICAL DRAWINGS FOR DUCTWORK AND GRILLE LOCATIONS.

5. 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.

6. 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.).

7. EXPOSED PIPING ALLOWED ONLY IN PARKING GARAGE.

8. SPRINKLERS EXPOSED TO WEATHER SHALL BE OF THE WAX COATED OR CORROSION RESISTANT TYPE.

9. ESCUTCHEONS IN FINISHED AREAS.

10. DESIGN AND INSTALLATION SHALL CONFORM WITH NFPA PAMPHLETS.

11. ALL MATERIALS AND DEVICES TO BE UL LISTED.

12. 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.

13. SPRINKLER CONTRACTOR SHALL SUBMIT SPRINKLER HEAD LAYOUT ON ARCHITECTURAL REFLECTED CEILING PLANS FOR ARCHITECTURAL APPROVAL PRIOR TO ANY PIPING DESIGN AND/OR CALCULATIONS.

14. FPC SHALL PROVIDE CONCRETE INSERTS FOR HANGING FIRE PROTECTION EQUIPMENT, COORD. W/ GC.

15. NFPA CLASSIFICATION:

PARKING GARAGE: ORDINARY HAZARD, GROUP ONE

DORM/OFFICE: LIGHT HAZARD

16. FIRE HYDRANT FLOW TEST DATA:

DATE: 10/21/2021

HYDRANT: 6CM56

LOCATION: EAST SIDE OF ARLINGTON AVENUE, 300 FT SOUTH OF OBERLIN AVENUE

STATIC PRESSURE: 122 PSI

RESIDUAL PRESSURE: 100 PSI

FLOW: 1500 GPM

PREDICTED FLOW AT 20 PSI: XXXX GPM



T: (831) 373-4390 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC. 351 8TH STREET SAN FRANCISCO, CA 94103 CONTACT: PETER MCDONALD

HALEY ALDRICH

T: (510) 879-4544

1956 WEBSTER ST #300 OAKLAND, CA 94612

LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE

CONTACT: CATHERINE ELLIS

GEOTECH:

MEP:

List Engineering

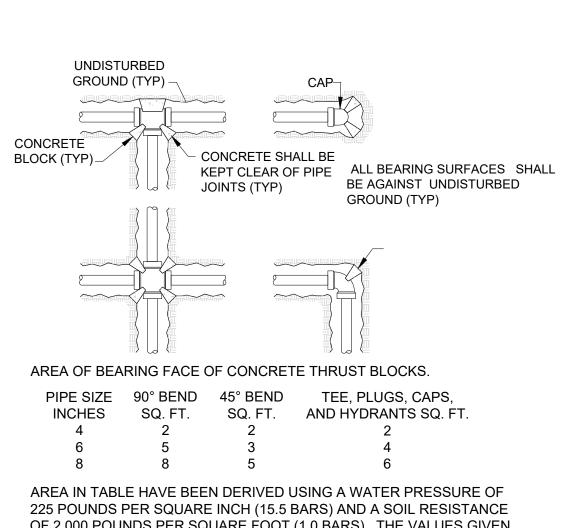
T: (415) 255-9140 ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI

T: (415) 826-9626

KENSINGTON **PUBLIC SAFETY** BUILDING

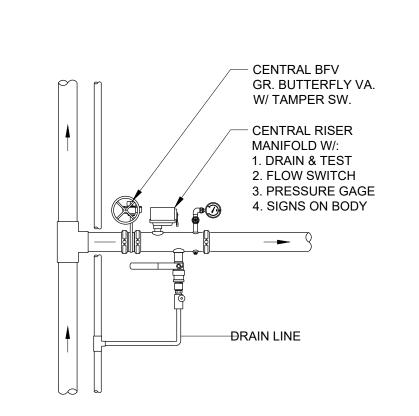
DESCRIPTION

FIRE PROTECTION -TITLE SHEET



OF 2,000 POUNDS PER SQUARE FOOT (1.0 BARS). THE VALUES GIVEN IN THIS TABLE INCLUDE A DESIGN SAFETY FACTOR OF 1.5.

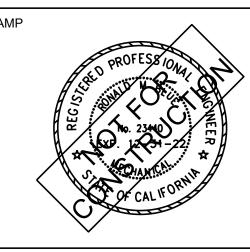




FLOOR VALVE CONTROL ASSEMBLY FP001/ NO SCALE



FIRE SPRINKLER RISER DETAIL



217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

CIVIL:

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) 394-8869

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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2 HARRIS CT STE A7
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CONTACT: RON BLUE

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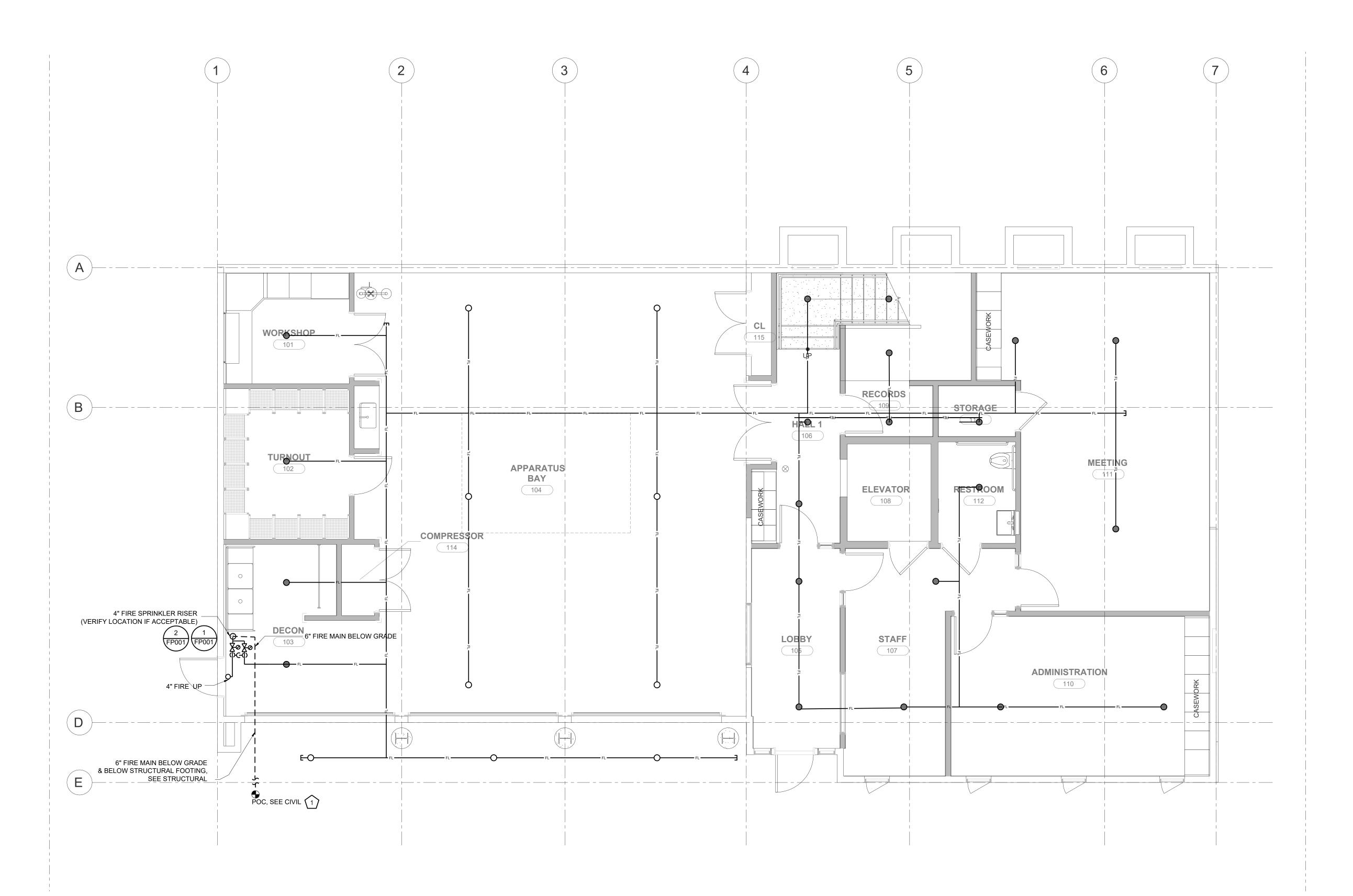
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

JOB NO. **000**

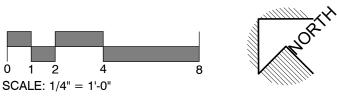
KENSINGTON
) PUBLIC SAFETY
BUILDING

DESCRIPTION

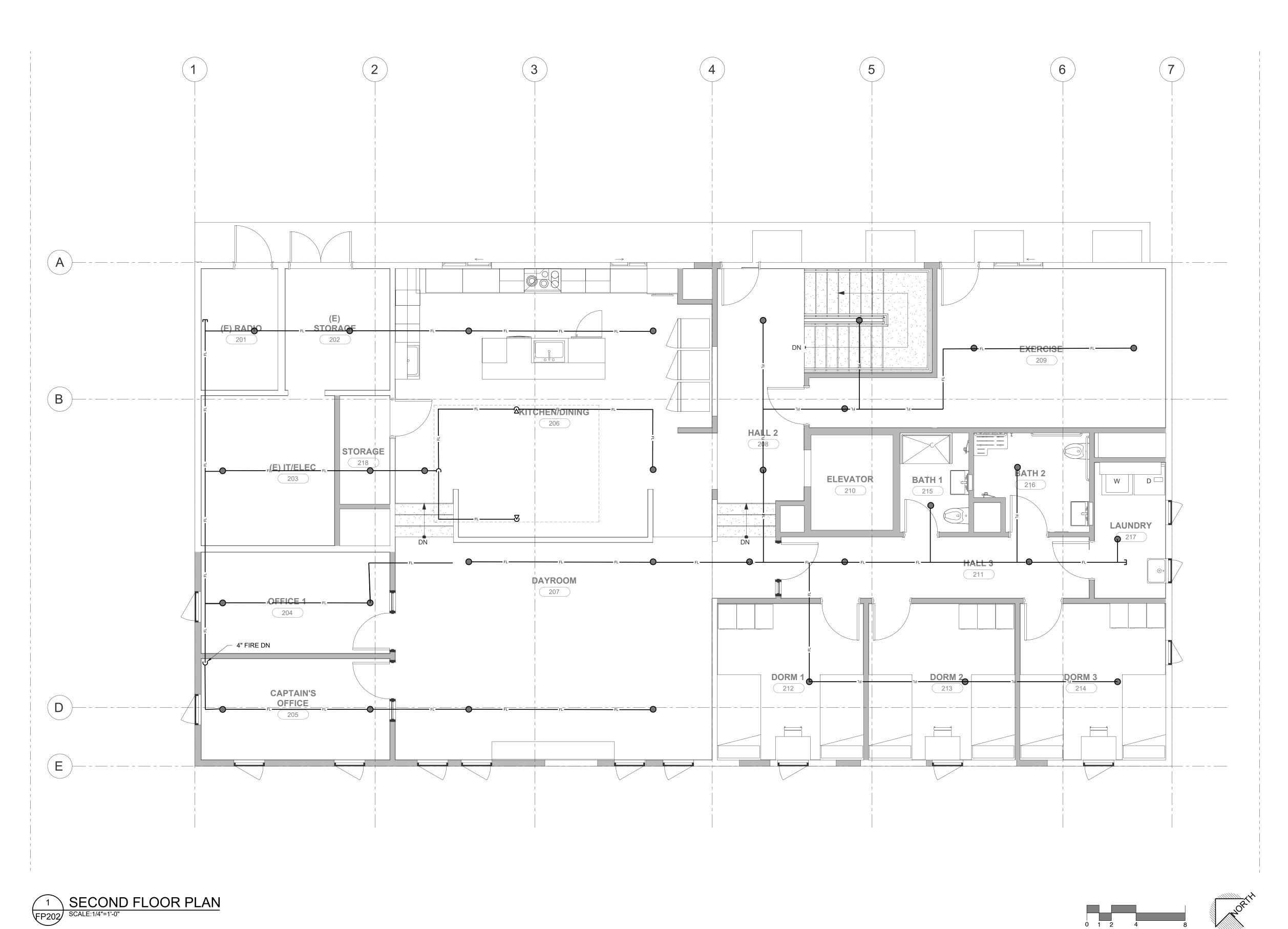
FIRE PROTECTION -GROUND FLOOR PLAN





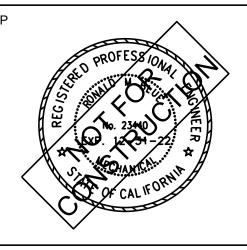












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HALEY ALDRICH 1956 WEBSTER ST #300 GEOTECH: OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544

> 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

KENSINGTON **PUBLIC SAFETY** BUILDING

DESCRIPTION

FIRE PROTECTION -SECOND FLOOR PLAN

PROJECT GENERAL NOTES

- # Note
- ** EXISTING CONDITIONS

 THE EXISTING CONDITIONS INDICATED IN THIS DRAWING SET WERE DEVELOPED FROM VARIOUS SOURCES WHICH WERE NOT ALL FIELD VERIFIED AND NOT ALL CONDITIONS ARE SHOWN. LOCATIONS, ROUTING, ELEVATIONS, SIZES, ETC. ARE SHOWN SCHEMATICALLY. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- DRAWINGS INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. FINAL LOCATIONS SHALL BE ADJUSTED TO MEET FIELD CONDITIONS
- THE CONTRACTOR SHALL VISIT THE JOBSITE AND VERIFY ALL EXISTING CONDITIONS BEFORE CONSTRUCTION AND SHALL INCLUDE IN THE BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS, SPECIFICATIONS AND ALL APPLICABLE CODES.
- ** DEMO & GENERAL CONDITIONS
- CONTRACTOR SHALL REMOVE ALL LEFT OVER CONDUIT, WIRE, SCRAPS, ETC. AND LEAVE PREMISES CLEAN AND FREE OF TRASH OR DEBRIS RESULTING FROM THEIR WORK.
- 5 CONTRACTOR SHALL DISCONNECT AND REMOVE ALL DEMOLISHED DEVICES AND FIXTURES AS SHOWN ON DEMOLITION PLAN. TURN OVER TO OWNER EXISTING DEVICES AND FIXTURES THAT ARE NOT REUSED. PROPERLY DISCARD IF THE OWNER DOES NOT WANT.
- 6 RECONNECT EXISTING DEVICES WHOSE CIRCUITS HAVE BEEN INTERRUPTED BY DEMOLITION BY PROVIDING NEW CONNECTIONS TO ANOTHER EXISTING DEVICE OR PANEL. VERIFY CIRCUIT LOADING ON EXISTING CIRCUIT.
- 7 WHEN A DEVICE IS REMOVED FROM AN EXISTING WALL WHICH WILL REMAIN, PATCH WALL TO MATCH EXISTING OR NEW FINISH.
- 8 MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE CENTERLINE OF DEVICES, COORDINATE WITH ARCHITECTURAL DRAWINGS.
- 9 CLEAN EXISTING LIGHTING FIXTURES WITHIN THE PROJECT AREA AS PART OF THIS PROJECT. INCLUDE NEW LAMPS WHERE COLOR INCONSISTENCIES EXIST, OR WHERE LAMPS ARE BURNED OUT/NOT INSTALLED.
- *** SITE & SITE LIGHTING
- 10 THERE SHALL BE A MINIMUM OF 24" OF COVER OVER UNDERGROUND CONDUITS, UON. INCLUDE A MINIMUM 12" SEPARATION BETWEEN ALL LOW VOLTAGE AND LINE VOLTAGE RACEWAYS. INSTALL A WARNING/MARKER TAPE 12 INCHES OVER THE CONDUIT.
- 11 PROVIDE CONCRETE BASES FOR ALL SITE POLE MOUNTED FIXTURES, BOLLARDS, AND SIGN LIGHTING, UON.
- MINIMUM SIZE CONDUIT USED ON THE SITE SHALL BE 1.0"C, WITH MINIMUM #10 CONDUCTORS, UON.
 CONTRACTOR SHALL SIZE ALL INDOOR AND EXTERIOR JUNCTION/PULLBOXES PER THE MINIMUM CODE REQUIREMENTS OF CEC ARTICLE 314, WHEN NOT INDICATED ON THE PLANS.
- *** EQUIPMENT, CONDUIT, WIRE, BOXES & DEVICES
- 14 PROVIDE INDIVIDUAL GFCI RECEPTACLES AT EACH LOCATION SHOWN, DO NOT USE FEED-THRU GFCI TYPE RECEPTACLES. LOCATE RECEPTACLE AT END OF A BRANCH CIRCUIT WIRE
- 15 WHERE RECEPTACLES ARE LOCATED OUTSIDE OR IN WET/DAMP LOCATIONS PROVIDE WEATHER
- RESISTANT TYPE, UON.

 16 CONDUIT SIZE SHALL BE 0.75 MINIMUM, U.O.N.
- 17 ALL CONDUCTORS ON THIS PROJECT SHALL BE COPPER.
- 18 FEEDER AND BRANCH CIRCUIT HOMERUNS SHALL BE INSTALLED IN CONDUIT. MC TYPE CABLE SHALL NOT BE USED FOR ANY HOMERUNS ON THIS PROJECT.
- 19 INSTALL AND CONNECT A CODE SIZED INSULATED OR BARE COPPER GROUNDING CONDUCTOR IN ALL BRANCH CIRCUITS AND FEEDERS.
- 20 ALL DEVICES SHALL HAVE TYPE ON TAPE LABELS INDICATING THE PANELBOARD AND CIRCUIT
 SERVING EACH DEVICE TYPICAL OF ALL DEVICES INCLUDED ON THIS PROJECT.
- SERVING EACH DEVICE, TYPICAL OF ALL DEVICES INCLUDED ON THIS PROJECT.

 21 PROVIDE INSULATING BUSHINGS OR INSULATED THROAT ON THE ENDS OF ALL EMPTY CONDUIT
 SUEEVES AND INSTALL A POLYETHYLENE BUILLING BODE.
- SLEEVES AND INSTALL A POLYETHYLENE PULLING ROPE.

 22 WHERE CIRCUITS ARE SHOWN ON THE DRAWINGS WITH HOMERUNS THAT SHARE NEUTRAL CONDUCTORS THE CONTRACTOR SHALL PROVIDE HANDLE TIES BETWEEN ALL BRANCH CIRCUIT
- BREAKER LOADS WHICH SHARE A NEUTRAL.

 23 PROVIDE DEDICATED CONDUIT/PATHWAYS FOR ALL 0-10v LIGHTING CONTROL SIGNALS SEPARATE
- FROM ALL LINE VOLTAGE RACEWAY.

 24 ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHER-PROTECTED AND LISTED FOR
- EXTERIOR USE.

 25 PROVIDE TYPE WRITTEN PANEL SCHEDULES UPDATED TO INCLUDE ALL FIELD MODIFICATIONS AND
- SCOPE ITEMS ASSOCIATED WITH THIS PROJECT.

 26 PROVIDE ENGRAVED NAMEPLATES FOR ELECTRICAL BOARDS, DISCONNECTS, AND SWITCHGEAR.
- *** FIRE ALARM & FIRE RATED ITEMS
- 27 ALL CIRCUIT BREAKERS SERVING THE FIRE ALARM CONTROL PANEL AND FIRE ALARM SYSTEM
- COMPONENTS SHALL HAVE LOCKABLE HANDLES, AND PAINTED RED FOR EASY IDENTIFICATION.

 28 ALL CONDUIT, OUTLET BOXES, AND RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS OR FLOOR ASSEMBLIES SHALL BE A UL LISTED ASSEMBLY THAT PROTECTS THE RATED ASSEMBLY. INCLUDE FIRE RATED DEVICE BOX ASSEMBLIES WHEN REQUIRED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED WALLS AND FLOORS AS APPLICABLE.
- 29 PROVIDE A REMOTE TEST/RESET STATION FOR EACH SMOKE DUCT DETECTOR NOT ACCESSIBLE FROM THE ROOF OR CEILING SPACE. LOCATE STATION ON THE WALLS OR LOW CEILING BELOW THE DUCT DETECTOR AND LABEL WITH THE HVAC UNITS IDENTIFICATION NUMBER. INCLUDE AN ADDRESSABLE FA CONTROL MODULE FOR MONITORING.
- *** CODE REQUIREMENTS & ELECTRICAL CLEARANCES
- 30 ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE (CEC).
- 31 CONTRACTOR IS RESPONSIBLE TO SUBMIT REVISED LAYOUT OF EQUIPMENT IN ELECTRICAL SPACES FOR WRITTEN APPROVAL BY ENGINEER IF PROPOSED INSTALLATION LAYOUT DIFFERS FROM CONSTRUCTION DOCUMENTS. SUBMISSION MUST BE APPROVED PRIOR TO RELEASE OF ORDER FOR EQUIPMENT AND PRIOR TO INSTALLATION.
- REQUIRED ELECTRICAL EQUIPMENT WORKING SPACE DEPTH SHALL NOT BE LESS THAN THAT INDICATED IN CEC TABLE 110.26. THE WIDTH OF THE WORKING SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT SHALL BE THE WIDTH OF THE EQUIPMENT OR 30", WHICHEVER IS GREATER. THIS REQUIREMENT ALSO APPLIES TO DISCONNECT SWITCHES.
- 33 ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES
- AND BEAR THEIR LABEL, OR ETL.

 34 PROVIDE ALL NEW BOARDS, BREAKERS, SWITCHES, ETC. IN ACCORDANCE WITH THE CONTRACTOR PREPARED POWER SYSTEM STUDY. NO EQUIPMENT SHALL BE PURCHASED, INSTALLED, AND/OR
- RELEASED PRIOR TO ENGINEER REVIEW AND APPROVAL OF THE POWER SYSTEM STUDY.

 35 CONTRACTOR SHALL PROVIDE ARC FLASH LABELS FOR ALL ELECTRICAL EQUIPMENT WITHIN THE SCOPE OF THIS PROJECT. THESE LABELS SHALL BE GENERATED BY THE CONTRACTOR FROM THE POWER SYSTEM STUDY AND SUBMITTED WITH THE POWER SYSTEM STUDY SUBMITTAL FOR ENGINEER REVIEW AND APPROVAL. THIS INCLUDES ALL FIELD MARKING OF KAIC VALUES ON EXISTING OR NEW BOARDS PER THE CEC.
- WIRING SPACE IN PANELBOARDS, DISTRIBUTION PANELS AND SWITCHBOARDS SHALL BE DEDICATED TO CONDUCTORS TERMINATED IN THAT ENCLOSURE. PANELBOARDS, DISTRIBUTION PANELS AND SWITCHBOARDS SHALL NOT BE USED AS PULL AND/OR SPLICE BOXES FOR CONDUCTORS THAT TERMINATE IN OTHER ENCLOSURES. DO NOT SPLICE CONDUCTORS IN EQUIPMENT.
- 37 NEW CIRCUIT BREAKERS INSTALLED IN EXISTING EQUIPMENT SHALL BE PROVIDED TO MATCH THE KAIC RATINGS AND THE MANUFACTURER OF THE EXISTING.
- 38 PROVIDE CLEAR SIGNAGE ON ALL ELECTRICAL EQUIPMENT PER CEC TO INDICATE THE ARC FLASH HAZARD WARNING, AND THE MAXIMUM AVAILABLE FAULT CURRENT. WHEN MODIFICATIONS OCCUR THAT AFFECT THE MAXIMUM FAULT CURRENT THE CONTRACTOR SHALL RECALCULATE AS NECESSARY AND REMARK THE EQUIPMENT.

PROJECT GENERAL NOTES

Note *** COORDINATION

- 39 REFER TO MECHANICAL & PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT. PROVIDE ALL LINE VOLTAGE AND LOW VOLTAGE WIRING, CONTROL WIRING, INTERLOCK CABLING, AND CONDUIT REQUIRED.
- PROVIDE A DISCONNECTING MEANS AT ALL MOTORS, WHETHER INDICATED ON THE PLANS OR NOT.
 PROVIDE FUSES IN DISCONNECTS FOR MECHANICAL EQUIPMENT AS COORDINATED WITH THE UNITS NAMEPLATE AND MANUFACTURERS INSTALLATION INSTRUCTIONS. FUSES SHALL BE CURRENT
- LIMITING TYPE.

 42 PROVIDE A GFCI TYPE DEVICE WITH WEATHER PROOF WHILE IN USE COVER WITHIN 25' OF ALL
- 42 PROVIDE A GECLTYPE DEVICE WITH WEATHER PROOF WHILE IN USE COVER WITHIN 25' OF A EXTERIOR HVAC/PLUMBING EQUIPMENT.
- 43 WORK PERFORMED FROM THESE DRAWINGS SHALL ALSO COMPLY WITH THE PROJECT SPECIFICATIONS. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL TAKE PRECEDENT.

 44 CONTRACTOR SHALL CONFIRM THAT ALL LIGHTING FIXTURES SPECIFIED. AND THE CEILING TYPES.
- 45 BUILDING EXPANSION JOINTS ARE NOT INDICATED ON THE ELECTRICAL DRAWINGS (UON) AND SHALI BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS. INCLUDE FLEXIBLE EXPANSION WIRING METHODS AT EXPANSION JOINTS TO MEET THE DEFLECTION AND EXPANSION REQUIREMENTS OF THE BUILDING.

FIXTURE TRIMS, AND FRAMES ARE ALL COMPATIBLE PRIOR TO THE CONTRACTOR LIGHTING FIXTURE

- *** MISCELLANEOUS
- 46 IN ADDITION TO THE WORK SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE ALL CONDUIT, BACK BOXES, AND RACEWAY REQUIRED FOR THE FIRE ALARM SYSTEM, SECURITY SYSTEM, AV SYSTEM, AND TELECOM SYSTEM ON THIS PROJECT. PLEASE REFER THE LOW VOLTAGE SYSTEM DRAWINGS AND SPECIFICATIONS FOR DEVICE LOCATIONS, ADDITIONAL INFORMATION, AND COMPLETE SCOPE OF WORK.
- 47 PROVIDE ALL LABOR, EXIT SIGNS, AND MATERIAL COSTS FOR THE COMPLETE INSTALLATION OF 5 ADDITIONAL LED EDGE LIT EXIT SIGNS. THE INSTALLATION LOCATIONS ARE TO BE DETERMINED DURING THE FINAL PROJECT INSPECTION WITH THE AHJ. TURN OVER ANY UNUSED EXIT SIGNS TO THE OWNER'S ATTIC STOCK FOR FUTURE USE
- THE OWNER'S ATTIC STOCK FOR FUTURE USE.

 48 PROVIDE SPECIALTY COLOR DEVICES AND COVERPLATES FOR ALL GENERATOR POWERED DEVICES

 COORDINATE THE COLOR MITH SPECIAL ATTIONS AND OWNERS REPRESENTATIVE HON.
- COORDINATE THE COLOR WITH SPECIFICATIONS AND OWNERS REPRESENTATIVE UON.

 49 PER CEC ARTICLE 517 PROVIDE SEPARATE ELECTRICAL RACEWAYS.

 50 ALL INDOOR FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL HAVE A 4" HOUSEKEEPING PAD. ALI
- OUTDOOR ELECTRICAL EQUIPMENT SHALL HAVE A 6" HOUSEKEEPING PAD.

 51 CONTRACTOR SHALL PREPARE RED LINED AS-BUILT DOCUMENTS REPRESENTING THE ACTUAL FIELD POLITINGS AND INSTALL ATION LOCATIONS FOR ALL ITEMS ON THIS PROJECT.
- FIELD ROUTINGS AND INSTALLATION LOCATIONS FOR ALL ITEMS ON THIS PROJECT.

 52 SURFACE MOUNTED CONDUIT WHERE APPROVED, AND INSTALLED, SHALL BE PAINTED TO MATCH
- THE ARCHITECTURAL FINISHES IN THAT AREA.
 53 CONDUIT ROUTING (WHERE SHOWN) IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT
- RUNS TO SUIT FILED CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES.

 54 DRAWINGS INDICATE JUNCTION BOXES WITH HOMERUNS ON THE PLANS, BUT THE CONTRACTOR SHALL PROVIDE ALL INTERMEDIATE RACEWAY WORK AND CONDUCTORS/CABLING BETWEEN THE DEVICES. FIXTURES, AND JUNCTION BOXES AS COORDINATED WITH ALL FIELD CONDITIONS AND
- DEVICES, FIXTURES, AND JUNCTION BOXES AS COORDINATED WITH ALL FIELD CONDITIONS AND TRADES.

 55 CONTRACTOR SHALL PREPARE A DETAILED CONDUIT ROUTING DIAGRAM, INCLUDING MAJOR CONDUIT RUNS FROM PANELS OF ORIGIN OUT TO ALL BRANCH CIRCUIT CONNECTIONS (DOWN TO
- REVIEW AND APPROVAL BY THE ENGINEER AND OWNER. THIS SHALL BE SUBMITTED, REVIEWED, AND APPROVED PRIOR TO ANY ROUGH-IN WORK IN THE FIELD.

 56 THE DRAWINGS DO NOT FULLY REPRESENT THE ENTIRE INSTALLATION FOR THE SYSTEMS INDICATED BELOW. THE CONTRACTOR IS REQUIRED TO COMPLETE THE DESIGN FOR THESE SYSTEMS AS

THE DEVICE LEVEL), LIGHT FIXTURE CONNECTIONS, CONTROLS, ETC. AS A SHOP DRAWING FOR

SPECIFIED HEREIN AND AS INDICATED ON THE DRAWINGS. CAD OR REVIT SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION:

LIGHTING AND DEVICE BRANCH CIRCUITING- DRAWINGS INDICATE ABOVE CEILING POWER JUNCTION BOXES, HOMERUNS, CIRCUITING AT EACH JUNCTION BOX, AND LOCAL MEANS OF CONTROL.

CORRESPONDING CIRCUIT NUMBERS ARE INDICATED ADJACENT TO LIGHTING FIXTURES AND

RECEPTACLES. CONNECTIONS TO ALL FIXTURES AND DEVICES ARE NOT INDICATED ON THE PLANS BUT ARE REQUIRED.

•FIRE ALARM SYSTEM- DRAWINGS INDICATE THE LOCATION OF ALL CONTROL PANEL COMPONENTS, INITIATING DEVICES, ANNUNCIATING DEVICES, COMMUNICATIONS SYSTEM COMPONENTS, AUXILIARY

ALL SYSTEM EQUIPMENT, DEVICES, ETC. ARE NOT INDICATED AND SHALL BE COMPLETED BY THE

FIRE ALARM SYSTEM SHOP DRAWING DESIGNER.

REQUIRED.

EQUIPMENT CONTROL AND CONDUIT BETWEEN BUILDINGS. CONDUITS WIRE AND CABLING BETWEEN

·SECURITY SYSTEM- THE DRAWINGS INDICATE THE LAYOUT AND LOCATION OF CONTROL CONSOLE(S), COMPONENTS, AS WELL AS LOCATION OF ALL SECURITY DEVICES, (IE: CCTV CAMERAS, CARD READERS, DOOR LOCKS AND CONTACTS, INTERCOM STATIONS, DURESS STATIONS, PERSONAL SECURITY SYSTEM RECEIVERS, ETC.). CONDUITS, WIRING, AND CABLING BETWEEN ALL COMPONENTS, EQUIPMENT, AND DEVICES, ETC. ARE NOT INDICATED ON THE PLANS BUT ARE

ABBREVIATIONS AMPERES LCP LIGHTING CONTROL PANEL ARC FAULT CIRCUIT INTERRUPTER MBGB MAIN BUILDING GROUND BUS MCB MAIN CIRCUIT BREAKER AMPERE OVERCURRENT FRAME SIZE (WHEN APPLIED TO CIRCUIT MCC MOTOR CONTROL CENTER BREAKERS) OR AMPERE FUSE SIZE (WHEN APPLIED TO FUSES) MLO MAIN LUGS ONLY ABOVE FINISHED FLOOR MT EMPTY CONDUIT ASYMMETRIC INTERRUPTING CURRENT MTS MANUAL TRANSFER SWITCH ALUMINUM AMPERE OVERCURRENT TRIP (WHEN APPLIED TO CIRCUIT BREAKERS) NC NORMALLY CLOSED AUDIO / VIDEO NF NON-FUSED ATS AUTOMATIC TRANSFER SWITCH NIEC NOT IN ELECTRICAL CONTRACT NL NIGHT LIGHT, UNSWITCHED **BUILDING AUTOMATION SYSTEM** BOLTED PRESSURE CONTACT SWITCH NO NORMALLY OPEN CONDUIT NTS NOT TO SCALE OC ON CENTER CCTV CLOSED CIRCUIT TELEVISION CEC CALIFORNIA ELECTRICAL CODE OFCI OWNER FURNISHED CONTRACTOR INSTALLED **CURRENT LIMITING CIRCUIT BREAKER** OR FUSE PA PUBLIC ADDRESS CIRCULATION PUMP PRIMARY DAYLIGHT ZONE **CURRENT TRANSFORMER** PNL PANEL CU PQM POWER QUALITY METER DRINKING FOUNTAIN POTENTIAL TRANSFORMER EXISTING TO REMAIN PVC POLYVINYL CHLORIDE **ELECTRICAL CONTRACTOR** EXISTING TO BE REMOVED EXHAUST FAN REMOVE AND RELOCATE EXPLOSION PROOF SEE ARCHITECTURAL DRAWINGS EPO EMERGENCY POWER OFF TIME CLOCK EMT ELECTRICAL METALLIC TUBING TWISTED-PAIR EWH ELECTRIC WATER HEATER SDZ SECONDARY DAYLIGHT ZONE SURGE PROTECTION DEVICE FUSED (F) FUTURE TRANSFORMER FACP FIRE ALARM CONTROL PANEL TYP TYPICAL FFCP FIREMAN'S FAN CONTROL PANEL UON UNLESS OTHERWISE NOTED FULL LOAD AMPERES UPS UNINTERRUPTIBLE POWER SUPPLY

FMC FLEXIBLE METAL CONDUIT

FIRE/SMOKE DAMPER

PANEL

GROUND

GB GROUND BUS

PANEL

GND GROUND

FRAP FIREMAN'S REMOTE ANNUNCIATOR

GFCI GROUND FAULT CIRCUIT INTERRUPTER

GRAP GENERATOR REMOTE ANNUNCIATOR

HPC HIGH PRESSURE CONTACT SWITCH

GRC GALVANIZED RIGID CONDUIT

HNC HOME NETWORK CABINET

ISOLATED GROUND

IMC	INTERMEDIATE METAL CONDUIT	4W	4-WIRE	
	Д	APPLIANCES		•
DO	DOUBLE OVEN	MW	MICROWAVE	
DW	DISHWASHER	RF	REFRIGERATOR	
ED	ELECTRIC DRYER	RH	RANGE HOOD	
EO	ELECTRIC OVEN/RANGE	UR	UNDERCOUNTER REFRIGERATOR	
GD	GARBAGE DISPOSER	WC	WINE COOLER	
GR	GAS RANGE	WM	WASHING MACHINE	

VOLTS

VA VOLTS-AMPS

2SP TWO SPEED

1Ø 1-PHASE

3Ø 3-PHASE

1P 1-POLE

2P 2-POLE

3W 3-WIRE

3-POLE

VM VENDING MACHINE

VFD VARIABLE FREQUENCY DRIVE

WAP WIRELESS ACCESS POINT

WEATHERPROOF

	ELECTRICAL SHEET INDEX			
		2020.01.01 SCHEMATIC DESIGN	2020.02.01 DESIGN DEVELOPMENT	2020 03.01 CONSTRUCTION DOCUMENTS
SHEET NO.	SHEET NAME	202	202	202
E001	NOTES, ABBREVIATIONS, AND SHEET INDEX			
E002	SYMBOLS			
E003	SYMBOLS			
E004 E005	SCHEDULE AND SINGLE LINE DIAGRAM TITLE 24 FORMS			
E005	TITLE 24 FORMS			
E000	TITLE 24 FORIVIO			
E101	SITE PLAN			
E201	LIGHTING PLANS			
E301	POWER AND LOW VOLTAGE PLANS			
E401	ENLARGED PLANS AND DETAILS			



ALAMEDA, CA 94501

(510) 769-7600

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM
CLIENT:

IENT: KENSINGTON FIRE
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SAN FRANCISCO, CA. 94117
CONTACT: KAREN MAR

CONTACT: KAREN MAR
T. (415) 522-0600

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1390 EL CAMINO REAL STE 100

SAN CARLOS, CA 94070 CONTACT: MATT FRANZ T: (650) 394-8869

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

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

LIST ENGINEERING CO.

2 HARRIS CT STE A7

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

1186 KENSINGTON

DESCRIPTION BUILDING

NOTES, ABBREVIATIONS, AND SHEET INDEX

001



STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

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NO.	DESCRIPTION	DAT	
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21186 KENSINGTON PUBLIC SAFETY

DESCRIPTION BUILDING

SCHEDULE AND SINGLE LINE DIAGRAM

E004



STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

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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

21186 KENSINGTON PUBLIC SAFETY

DESCRIPTION BUILDING

TITLE 24 FORMS

E005



STAMP



PROJECT ADDRESS

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PROJECT TEAM

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PROTECTION DISTRICT
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NO. DESCRIPTION DATE

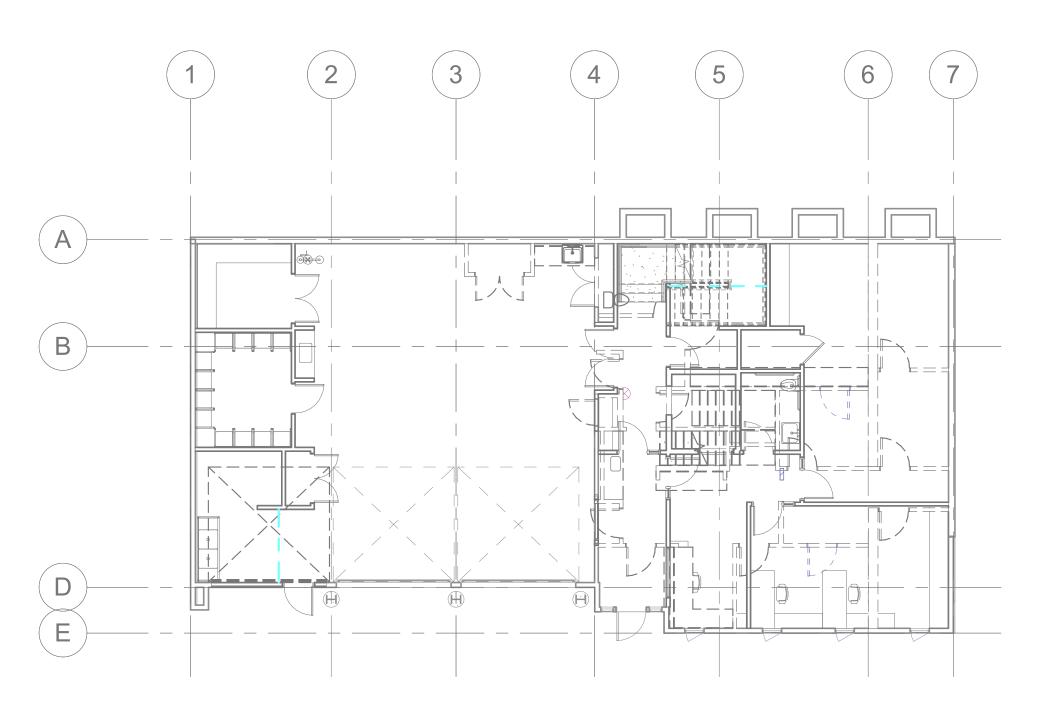
21186 KENSINGTON
PUBLIC SAFETY

DESCRIPTION BUILDING
TITLE 24 FORMS

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E006

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STAMP



PROJECT ADDRESS

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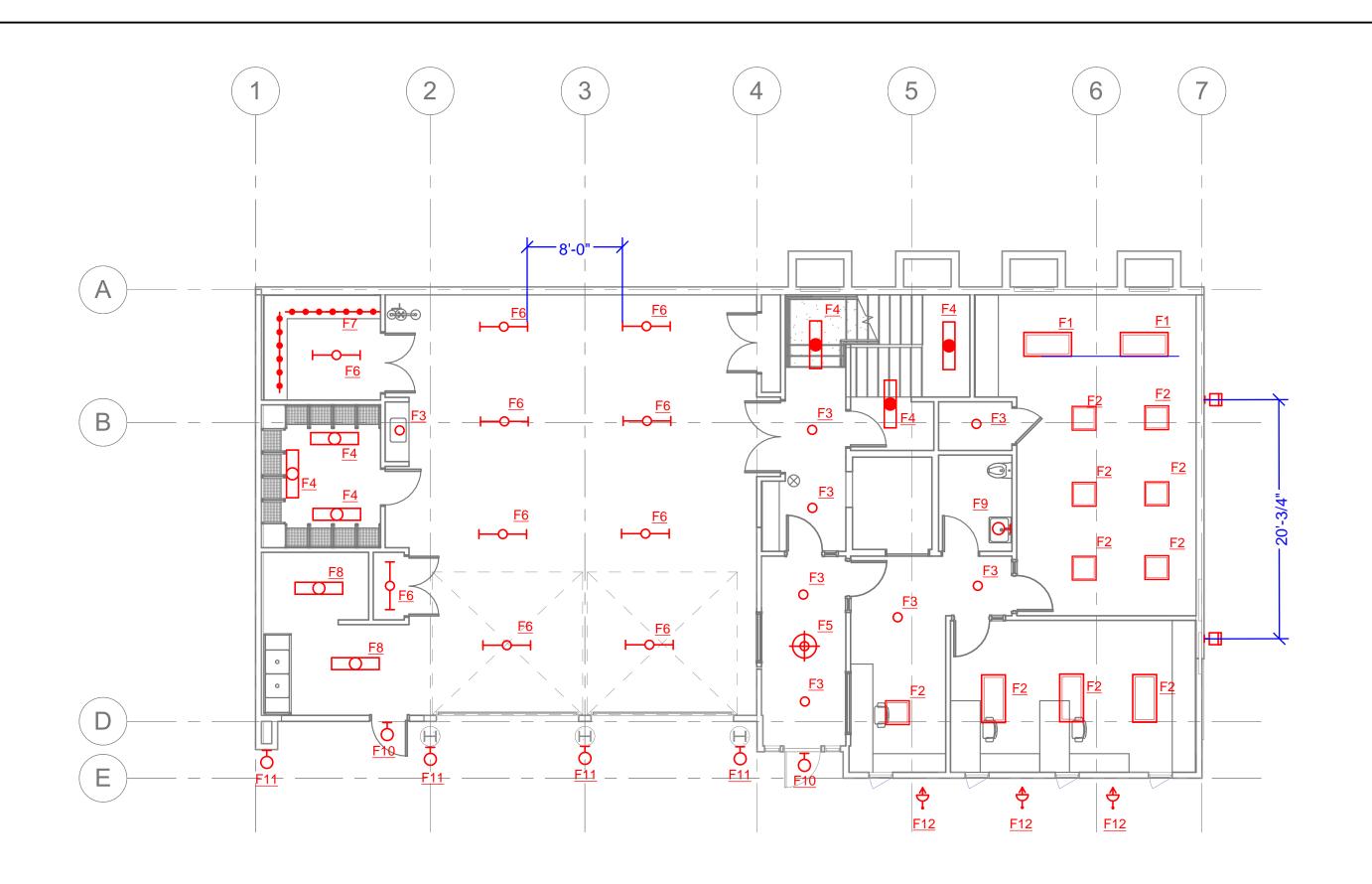
DESCRIPTION DATE

21186 KENSINGTON PUBLIC SAFETY

DESCRIPTION BUILDING

SITE PLAN

E101



The Engineering Enterprise Consulting Engineers

> THE POWER HOUSE 1305 MARINA VILLAGE PARKWAY ALAMEDA, CA 94501 (510) 769-7600

STAMP



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217 ARLINGTON AVE. KENSINGTON, CA, 94707

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DESCRIPTION

DATE

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

		TBD			WRAPAROUND LED FIXTURE.
	F5	TEKA #BSM-6-SD24-LED-L16-COLOR-A- MSH-HSR	TIER 2 LED 3000K 870 NOMINAL INITIAL LUMENS	20 WATTS 120VAC	LOBBY PENDANT, 24 INCH DIAMETER, 6 INCH STEM
	F6	LITHONIA, WILLIAMS, COLUMBIA, OR EQUAL	TIER 2 LED 4000K 2000 NOMINAL INITIAL LUMENS		FOUR FOOT STRIP, NOMINAL 4 FOOT LENGTH. PROVIDE EMERGENCY BATTERY PACK WHERE INDICATED ON PLANS
	F7	TBD			UNDERCABINET TAPE/ROPE LIGHT IN EXTRUDED ALUMINUM HOUSING WITH DIFFUSING LENS.
_	F8	LITHONIA, WILLIAMS, COLUMBIA, OR EQUAL	TIER 2 LED 4000K 2000	120VAC	ENCLOSED AND GASKETED LED, NOMINAL 4 FOOT LENGTH. PROVIDE EMERGENCY BATTERY PACK WHERE INDICATED (

2200 NOMINAL INITIAL

LUMENS

3000K

870 NOMINAL

INITIAL LUMENS

LED

LED

120VAC

120VAC

120VAC

1000

NOMINAL INITIAL

LUMINAIRE SCHEDULE

LAMP TYPE | VOLTAGE

MANUFACTURER & CATALOG

NUMBER

TBD

TBD

TBD

#S7R-9-30K-10 (FINISH) -Z10U

PHILIPS LIGHTOLIER

TECH LIGHTING

GARDCO OR EQUAL

JA8 LISTED

#700BCSAGW-25-FINISH-LED930

TBD

TBD

TBD

#BSM-6-SD24-LED-L16-COLOR-A-

TBD

EVENLITE #RZR SERIES

TYPE

F3

F16

EXIT

IMAGE

'ANITY SCONCE. 4 INCH HEIGHT, 25 INCH LENGTH, 3 INCH 120VAC DEPTH. FROSTED LENS. 5% DIMMING.

LED AREA LIGHT AT SIDE DRIVEWAY. FULL CUTOFF, TYPE 2

IN-GRADE UPLIGHTS FOR FAÇADE.

18 WATTS LED PENDANT LIGHT AT KITCHEN ISLAND. 12" DIAMETER.

" DIAMETER DOWNLIGHTS AT KITCHEN PANTRY

1 WATT EXIT SIGN WITH INTEGRAL BATTERY BACKUP.

TIER 2 LED 20 WATTS LED PENDANT LIGHT AT KITCHEN TABLE. 24" DIAMETER.

NEMA DISTRIBUTION,

DESCRIPTION

2X4 LED VOLUMETRIC TROFFER.

SAME AS F1 EXCEPT 2X2

LOW PROFILE SURFACE MOUNTED LENSED 8" WIDE ACRYLIC

TIER 2 LED 14.4 7" DIA. SURFACE DOWNLIGHT / WALLMOUNT. J-BOX MOUNTED

WATTS 120VAC 0-10V INTEGRAL DIMMING DRIVER.

CAST ALUMINUM LED SCONCE WITH SILICON GASKET, TEMPERED GLASS LENS, INTEGRAL PHOTOCELL, FULL DECORATIVE SCONCE ON FAÇADE. LED LAMPS.

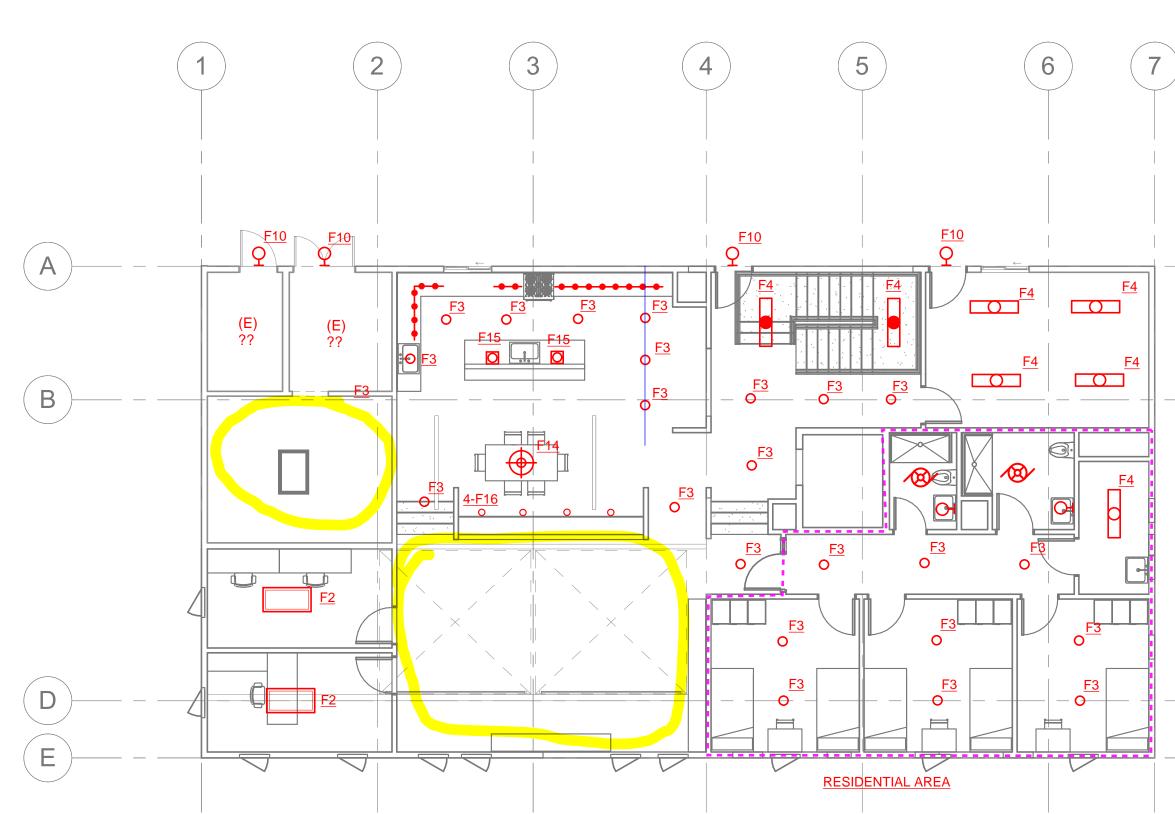
21186 KENSINGTON PUBLIC SAFETY

DESCRIPTION BUILDING

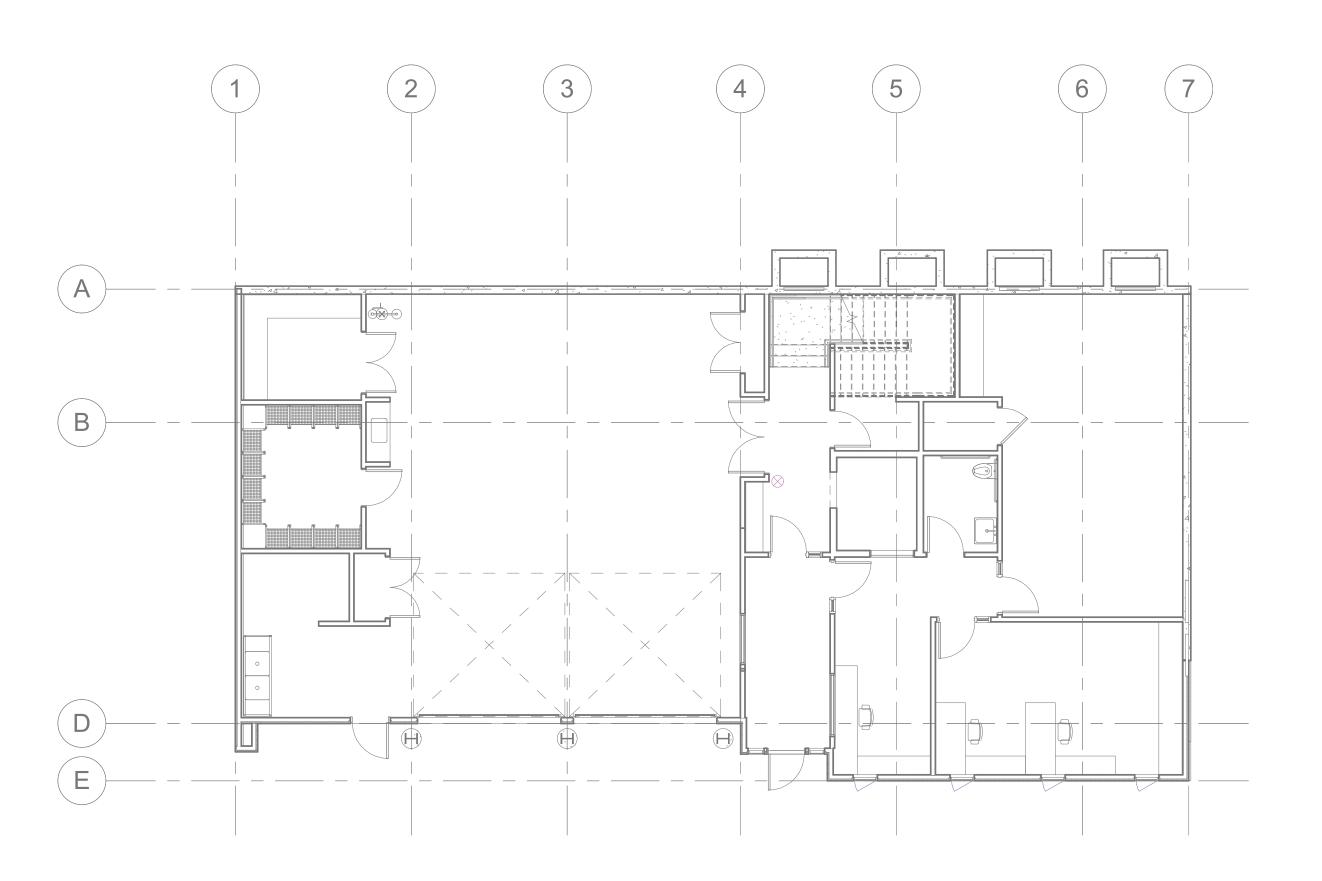
LIGHTING PLANS

E201

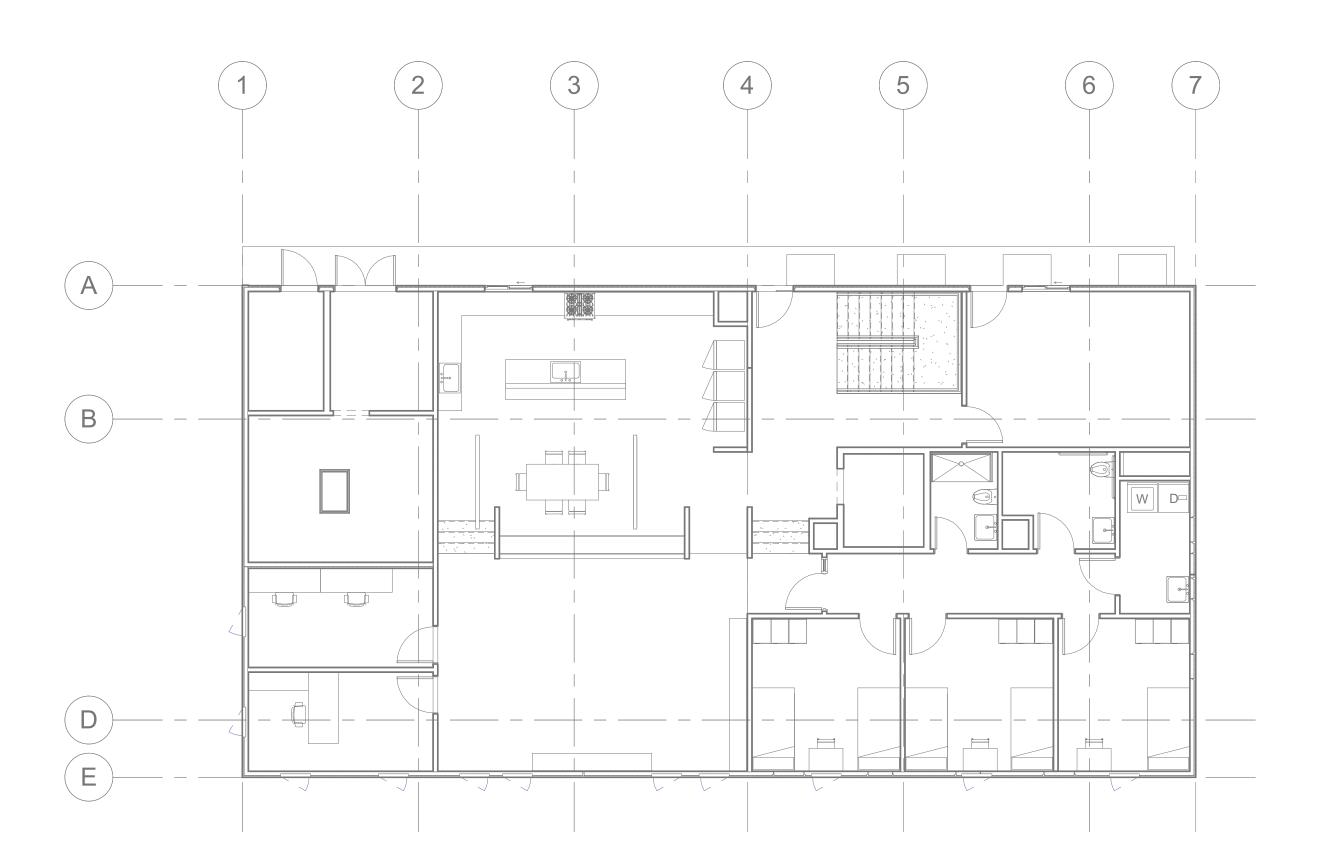
LIGHTING PLAN - GROUND FLOOR SCALE: 1/8" = 1'-0"



LIGHTING PLAN - SECOND FLOOR



POWER AND LOW VOLTAGE PLAN - GROUND FLOOR SCALE: 1/8" = 1'-0"



POWER AND LOW VOLTAGE PLAN - SECOND FLOOR AND PARTIAL ROOF SCALE: 1/8" = 1'-0"

The Engineering Enterprise Consulting Engineers

THE POWER HOUSE 1305 MARINA VILLAGE PARKWAY ALAMEDA, CA 94501 (510) 769-7600

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

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

DESCRIPTION

21186 KENSINGTON PUBLIC SAFETY

DESCRIPTION BUILDING

POWER AND LOW **VOLTAGE PLANS**

E301



THE POWER HOUSE 1305 MARINA VILLAGE PARKWAY ALAMEDA, CA 94501 (510) 769-7600

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DESCRIPTION

DATE

21186 KENSINGTON PUBLIC SAFETY

DESCRIPTION BUILDING

ENLARGED PLANS AND DETAILS

 \mathfrak{D}

E401

PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

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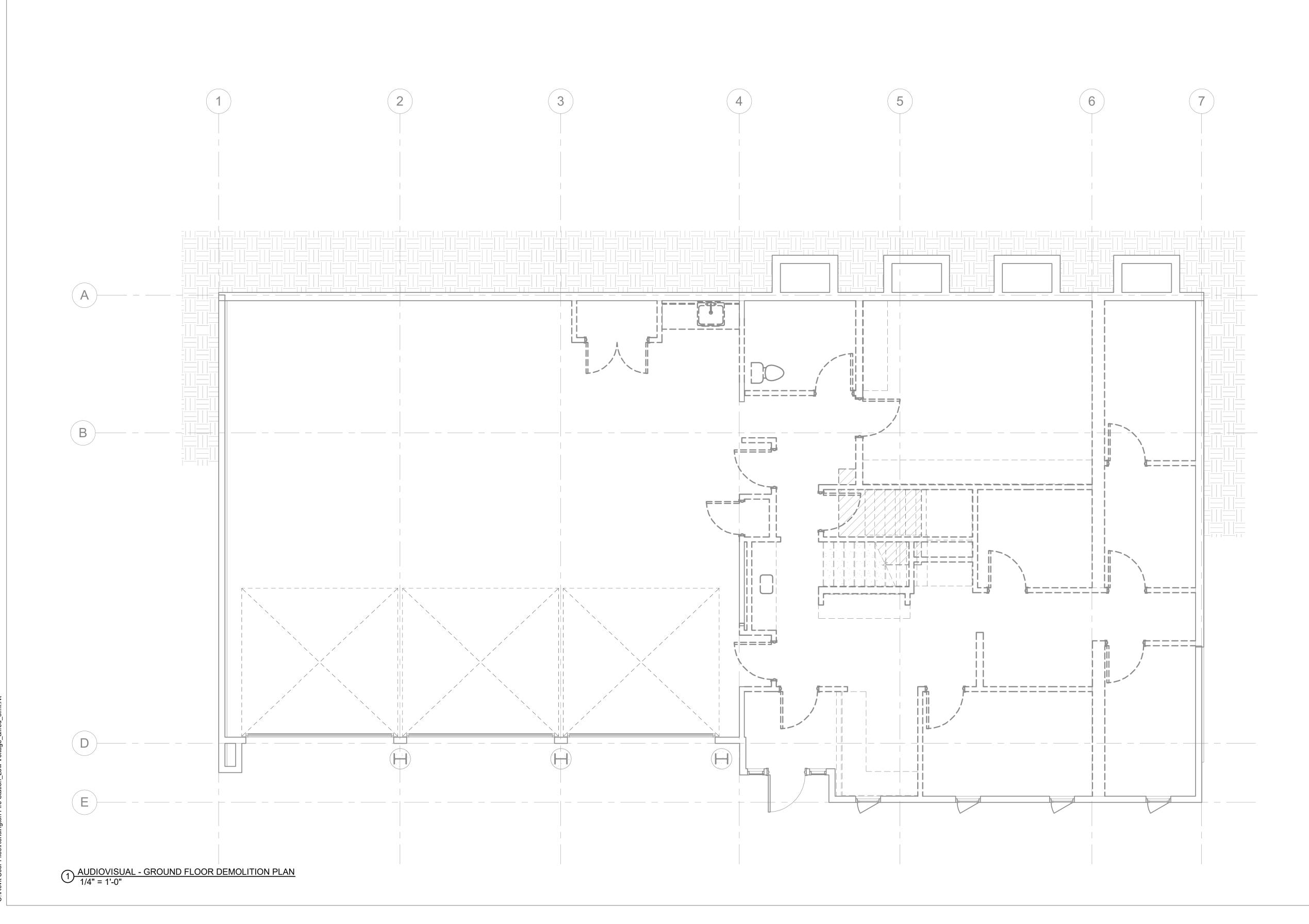
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

DESCRIPTION

0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

AUDIOVISUAL - GROUND FLOOR DEMOLITION PLAN



PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117

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CONTACT: ERIC SWANSON T: (925) 940-2200 GEOTECH: HALEY ALDRICH 1956 WEBSTER ST #300

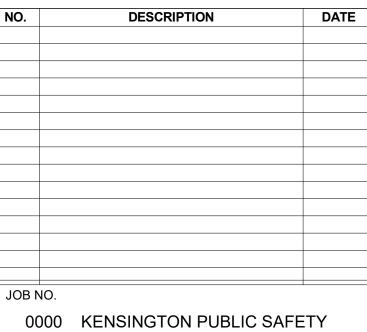
OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544 LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940

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

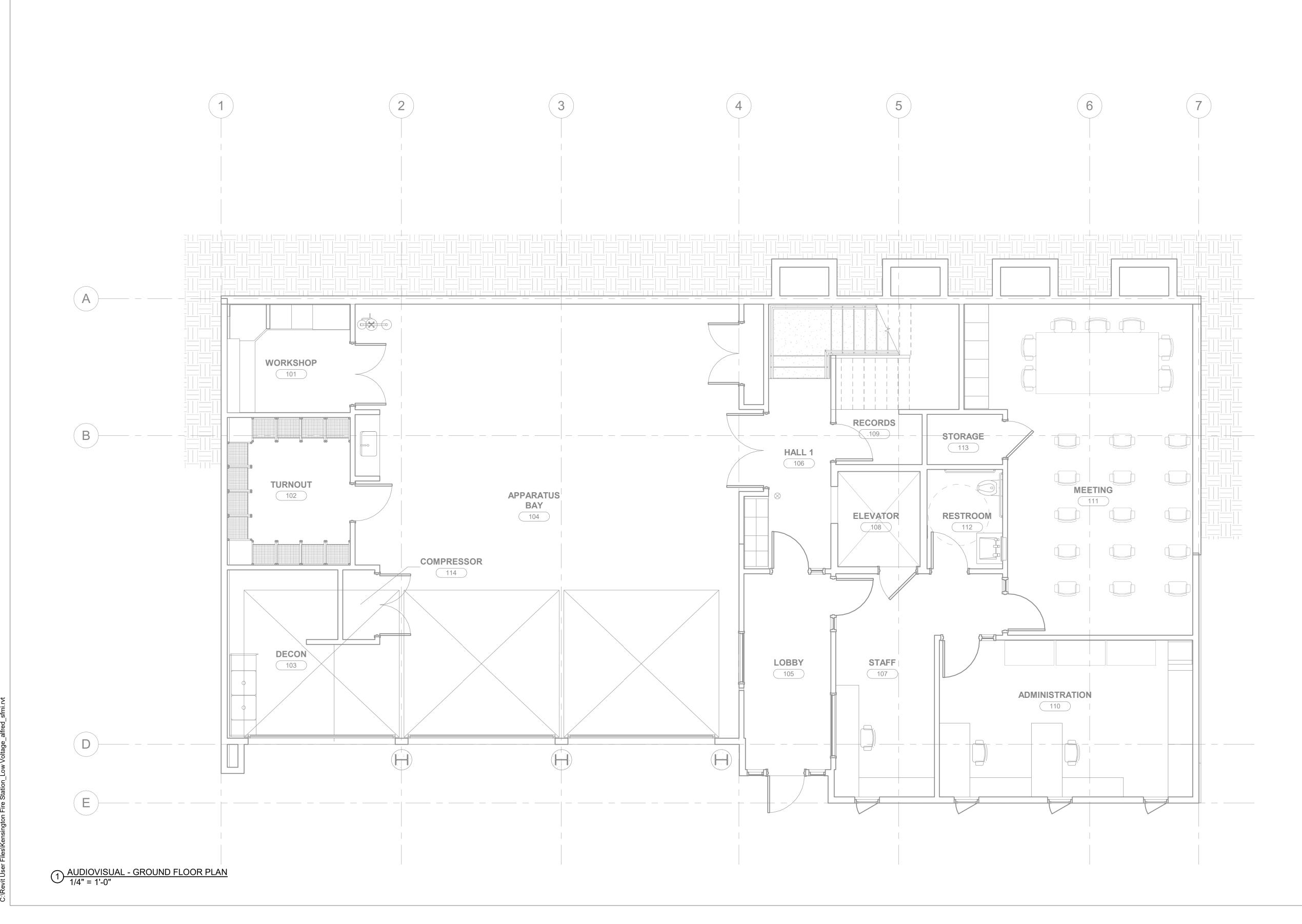
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626



BUILDING

DESCRIPTION

AUDIOVISUAL - GROUND FLOOR



MARJANG ARCHITECTURE

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

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GEOTECH: HALEY ALDRICH 1956 WEBSTER ST #300 OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS

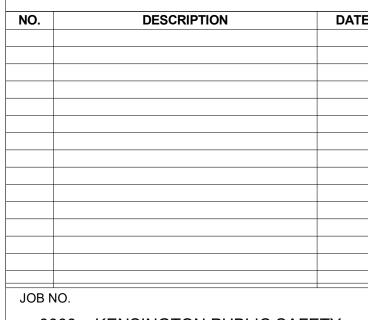
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LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC. 351 8TH STREET

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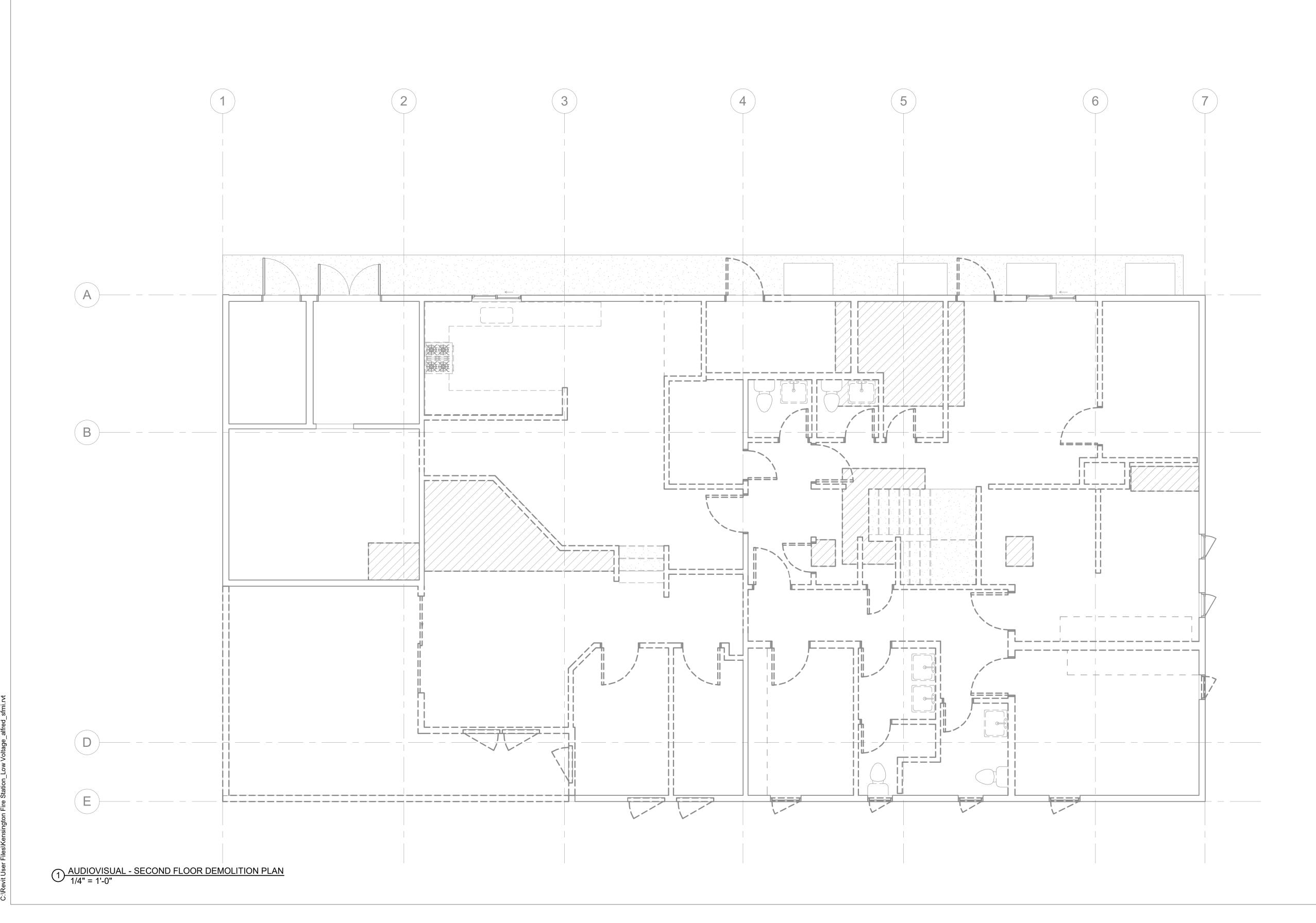
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626



0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

AUDIOVISUAL - SECOND FLOOR DEMOLITION PLAN



MARJANG ARCHITECTURE

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117 CONTACT: KAREN MAR

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T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS 1390 EL CAMINO REAL STE 100 SAN CARLOS, CA 94070

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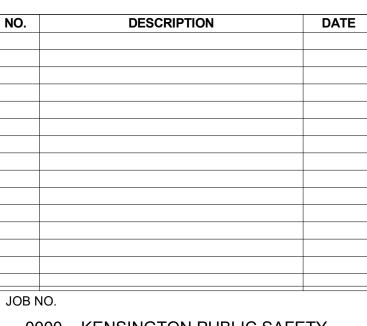
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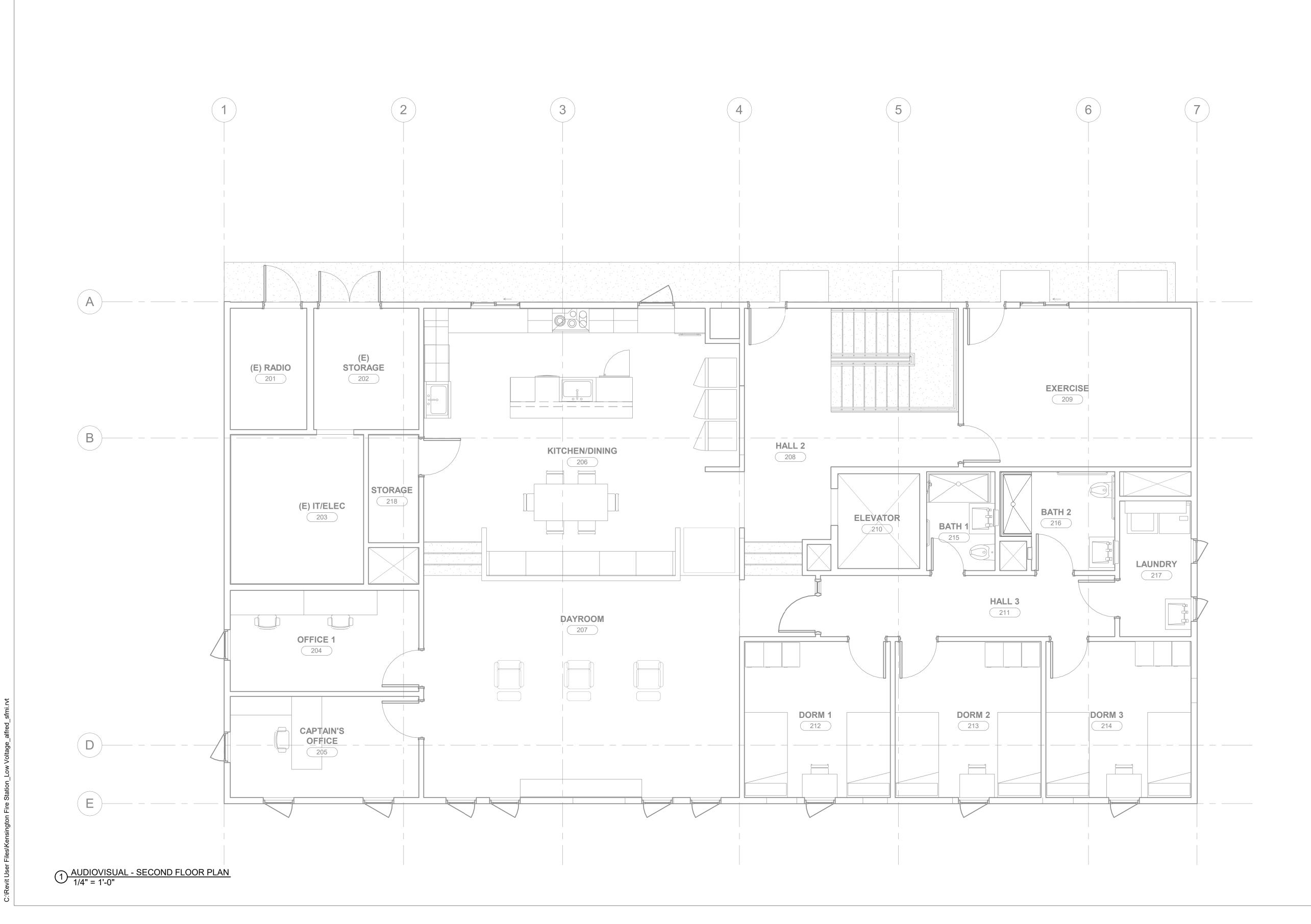


0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

AUDIOVISUAL - SECOND FLOOR

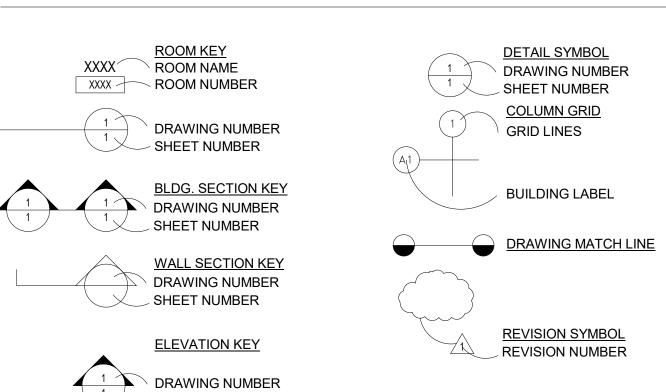




COMMUNICATIONS SYSTEMS GENERAL NOTES

- 1 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.
- 3 PROVIDE FIRESTOPPING UNDER THE WORK OF SECTION 27 05 33 COMMUNICATIONS RACEWAYS, BOXES AND FITTINGS.
- 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.

GENERAL SYMBOLS



MATERIAL & EQUIPMENT LEGEND

SHEET NUMBER

1" INNERDUCT, PLENUM RATED

2" INNERDUCT, PLENUM RATED

C5ePP	CATEGORY 5e PATCH PANEL
C6PP	CATEGORY 6 PATCH PANEL.
FOH-P	FIBER OPTIC CABLE HYBRID, PLENUM RATED
FOH-OPR	FIBER OPTIC CABLE HYBRID, OUTSIDE PLANT RISER RATED
FOM-OPR	FIBER OPTIC CABLE, MULTI MODE OUTSIDE PLANT RISER RATED
FOS-OPR	FIBER OPTIC CABLE, SINGLE MODE OUTSIDE PLANT RISER RATED
FPP	FIBER PATCH PANEL
FSC	FIBER SPLICE CLOSURE
FSP	FIBER SPLICE PANEL
FTB	FIBER TERMINAL BOX
IDF	INTERMEDIATE DISTRIBUTION FACILITY
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

TELECOMMUNICATIONS CLOSET

UTP5e-4OP UNSHIELDED TWISTED PAIR, CAT. 5e OUTSIDE PLANT UNSHIELDED TWISTED PAIR, CAT. 6 UTP6-4P UNSHIELDED TWISTED PAIR, CAT. 6 PLENUM UTP6-4OP UNSHIELDED TWISTED PAIR, CAT. 6 OUTSIDE PLANT 110TBXX 110 TERMINAL BLOCK, CAT.5, XX-NO OF PAIRS 110PWTBXX 110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR, XX- NO OF PAIRS PRE-WIRED, 50 PIN CONNECTOR (REAR) & RJ45 (FRONT)

UNSHIELDED TWISTED PAIR, CAT. 5e

UNSHIELDED TWISTED PAIR, CAT. 5e PLENUM

CAT.3 PATCH PANEL

TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.

UTP5e-4

UTP5e-4P

SEE SPECIFICATION SECTIONS FOR REFERENCE DESCRIPTIONS AND REQUIREMENTS. FOR OTHER MATERIAL AND EQUIPMENT

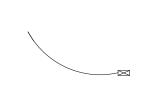
TYPES REFER TO SPECIFICATIONS.

LEGEND

T.C.

T-OPD

2IDP



SURFACE RACEWAY.

TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY

FOR COMMUNICATIONS AND POWER SYSTEM

PROVIDED UNDER DIV. 27.

MARK INDICATES RACEWAY DROP FROM CEILING. COORDINATE EXACT LOCATION WITH DIV. 27 PLANS.

NEW WIRE AND/OR CABLE IN EXPOSED CONDUIT

OR RACEWAY. FILL PER SCHEDULE, PLANS AND SPECIFICATION SECTION 27 05 33.

NEW WIRE AND/OR CABLE INSIDE NEW CONDUIT WALLS OR IN CEILING

CABLE/RACEWAY TURNS UP

HOME RUN

CABLE/RACEWAY TURNS DOWN

CONDUIT TO CABLE TRANSITION POINT

____ ECT____

EXPOSED CABLE UNDER CEILING SUPPORTED BY CLIPS OR STAPLES @ 1'-0" O.C.

701 $\langle \mathsf{TKN1} \rangle$

KEYNOTES

WIRING NOTES

CABLE RUNWAY OR CABLE TRAY. TYPE & SIZE AS INDICATED ON PLANS AND SPECIFICATIONS SECTION 27 05 36.

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:			

SUFFIX:

NONE - NEMA 1

A - NEMA 12 B - NEMA 3R

C - NEMA 4 D - NEMA 4X

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.

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 J33	24 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

	REVIATIONS
1SR-1	SINGLE CHAMBER SURFACE RACEWAY
3SR-2.5 A.D.A.	THREE CHAMBER SURFACE RACEWAY AMERICANS WITH DISABILITIES ACT
ADF	AREA DISTRIBUTION FACILITY
A.F.C.	ABOVE FINISHED CEILING
A.F.F. ALT	ABOVE FINISHED FLOOR ALTERNATE
ALT A.M.F.F.	/ · _ ·
BDF	BUILDING DISTRIBUTION FACILITY
B.F.C. BLDG.	BELOW FINISHED CEILING BUILDING
B.O.H.	BACK OF HOUSE
C.	CONDUIT
CAT.	CATEGORY
CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
COMM. C.L.	COMMUNICATIONS CENTERLINE
C.L. C.O.	
	CONDUIT ONLY
CONT. CS	CONTINUATION COMMUNICATIONS SYSTEM
	DEMOLISH EXISTING
(D) DED	DEDUCTIVE
⊅⊵D ∅, DIA.	DIAMETER
φ, DIA. DIV	DIVISION
(E)	EXISTING
(<u>L)</u> EA.	EACH
EIA	ELECTRONIC INDUSTRIES ASSOCIATION
ELEV.	ELEVATION
E.O.L.	
EQPT.	
FIN	FINISHED
FUT	
H.R.	HOME RUN
HT.	HEIGHT
J, JBOX	
J, JBOA LAN	
MATV	
MAX.	MAXIMUM
MIN.	MINIMUM
MOD.	MODULAR
MON.	MONUMENT
(N)	
NEC	
N.I.C.	NOT TO SCALE
NTS O.C.	NOT TO SCALE ON CENTER
O.C. O.D.	OUTSIDE DIAMETER
O.F.E.	
OPP.	OPPOSITE
PNL.	PANEL
	PROJECT
	PROJECT STANDARD RECEPTACLE HEIGHT +18" AFF, U.O.
	PROJECT STANDARD RECEPTACLE HEIGHT +18 AFF, U.O. PROJECT STANDARD SWITCH HEIGHT +48" AFF TO £, U.O.
Р.З.З.П. RE:	REFER TO
REF.	REFERENCE
SIM.	SIMILAR

SIMILAR SINGLE MODE OPTICAL FIBER

SHEET NOTE SHIELDED PAIR - SEE SPECIFICATIONS SPECIFICATION

S.R. SURFACE RACEWAY STD STANDARD STP SHIELDED TWISTED PAIR T.C. TELECOMMUNICATIONS CLOSET TEL TELEPHONE

TELCOM TELECOMMUNICATIONS TELECOMMUNICATIONS INDUSTRY ASSOCIATION TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY

TWISTED PAIR TYP. **TYPICAL**

> UNLESS OTHERWISE NOTED WITH WEATHERPROOF

MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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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

DESCRIPTION JOB NO.

0000 KENSINGTON 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 & HOMERUN DESTINATION, U.O.N.	FINISH	WEIGHT, LB	DETAIL SHEET(S)
[]	WALL SLEEVE/CONDUIT	PATHWAY	INDICATED	27 05 33	N/A	R5					
FC6	FLOOR BOX, CONCRETE SLAB, FOR AUDIO VISUAL.	AUDIO VISUAL	FLUSH IN FLOOR. COORDINATE EXACT LOCATION/DIMENSION WITH THE ARCHITECT.		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.		
3D <u>√</u>	DATA AND VOICE DEVICE PLATE. DN1	COMMUNICATIONS	INDICATED		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		
1B <u>√</u>	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			
<u> </u>	FLOOR MOUNTED STATION CABLING/SWITCH RACK, 2 POST, 44 RU, SEISMIC RATED.	COMMUNICATIONS	FLOOR	27 11 16			BOLT TO SLAB		BLACK	250	
R28	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

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.

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.

LOCATION NOTES

FLUSH IN FLOOR. COORDINATE EXACT LOCATION/DIMENSION WITH ARCHITECTURAL PLANS.

RACEWAY NOTES

3/4" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.

1" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.

1.25" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.

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.

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.

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

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MONTEREY, CA 93940

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DESCRIPTION

JOB NO.

0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

SYMBOL SCHEDULE



PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

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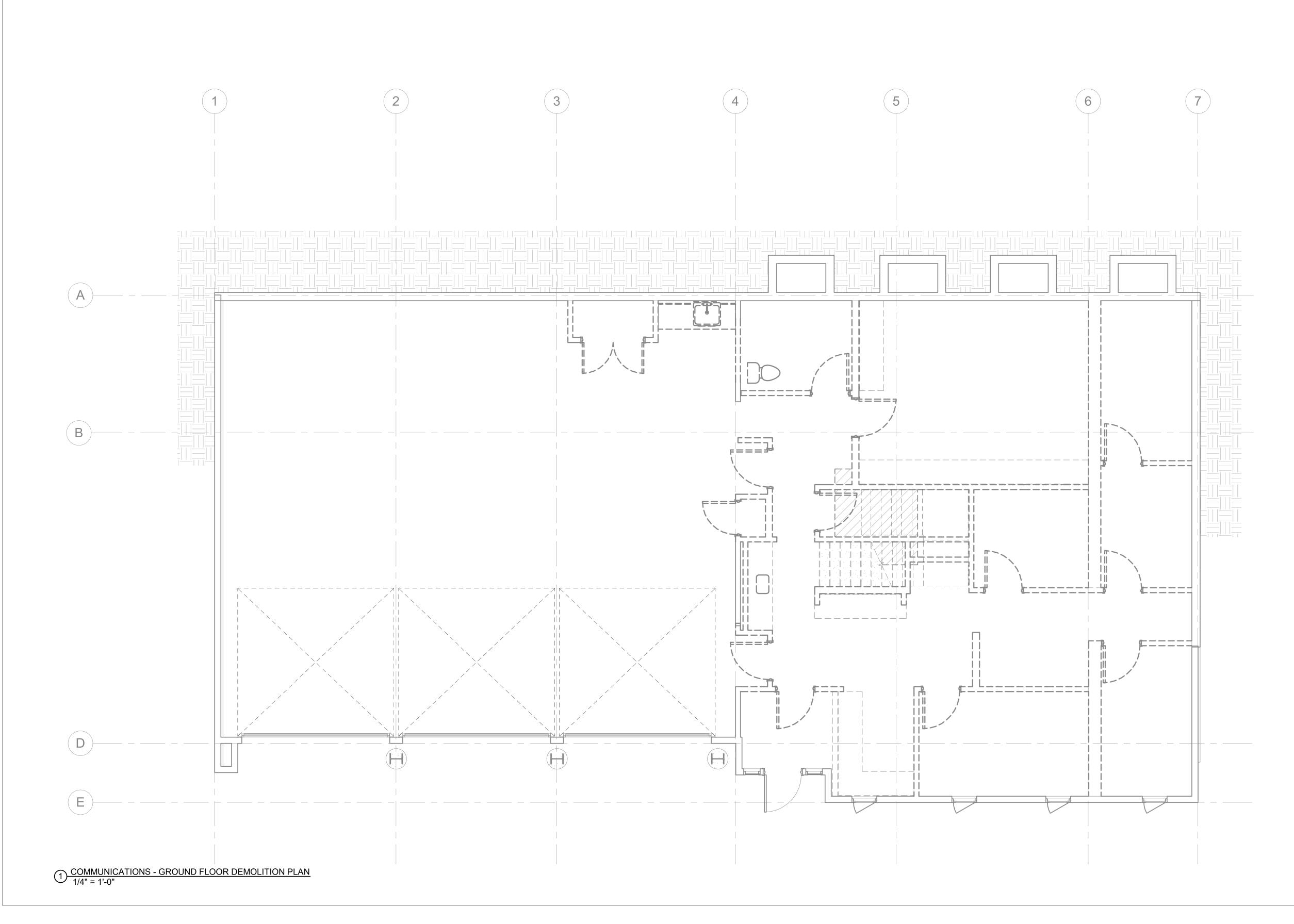
DESCRIPTION

0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

COMMUNICATIONS - GROUND FLOOR DEMOLITION PLAN

TN201



PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 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 T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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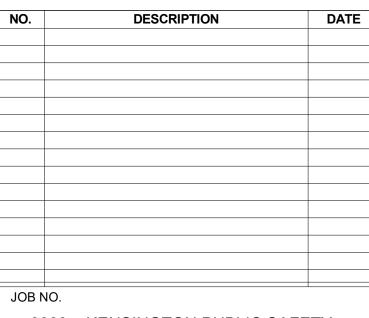
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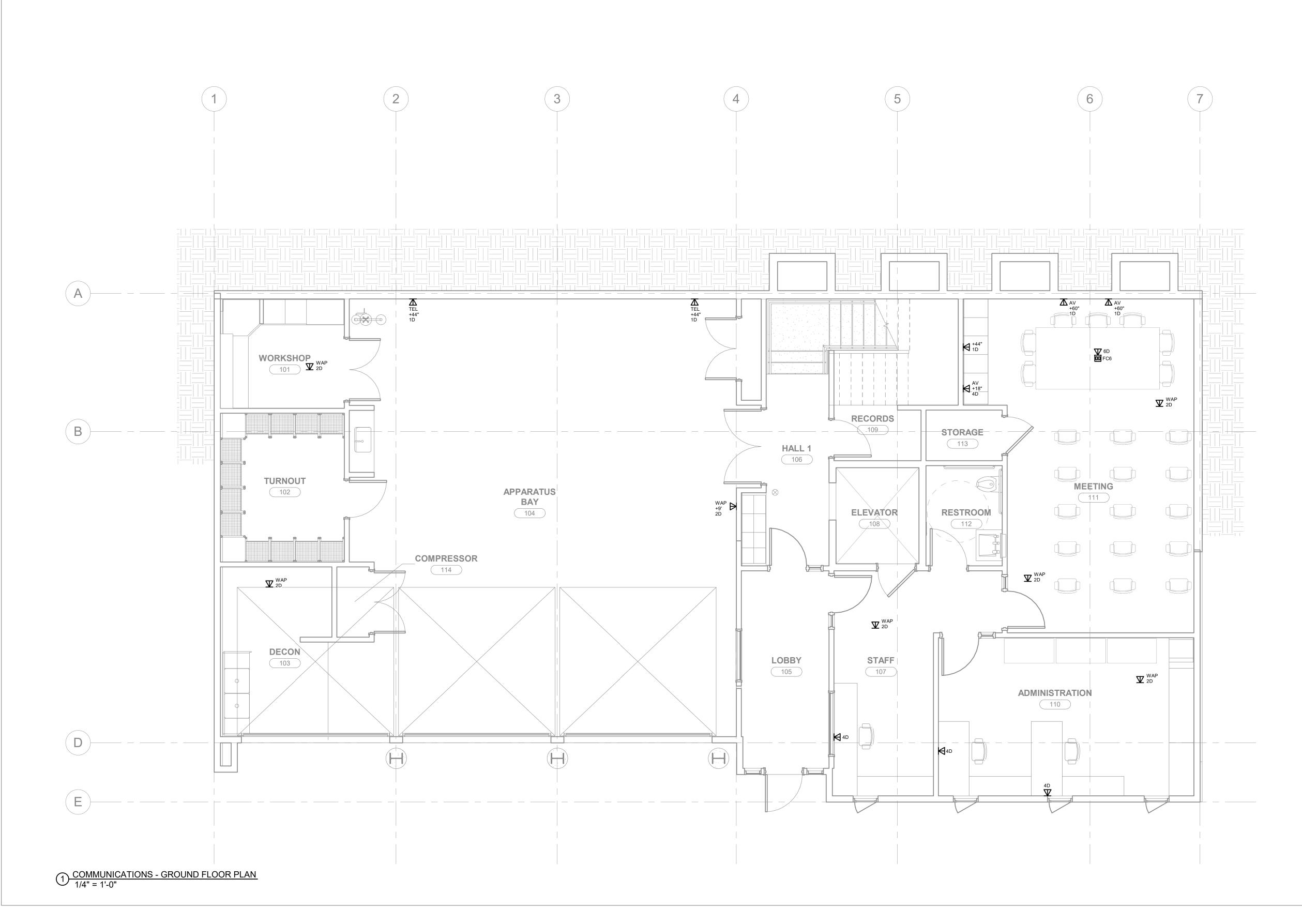


0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

COMMUNICATIONS - GROUND FLOOR PLAN

TN202



PROJECT TEAM

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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 FRANZ

T: (650) 394-8869 BKF ENGINEERS 1646 N. CALIFORNIA BLVD STE 400

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

> LIST ENGINEERING CO. 2 HARRIS CT STE A7

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

MONTEREY, CA 93940 CONTACT: RON BLUE T: (831) 373-4390

351 8TH STREET SAN FRANCISCO, CA 94103 CONTACT: PETER MCDONALD

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

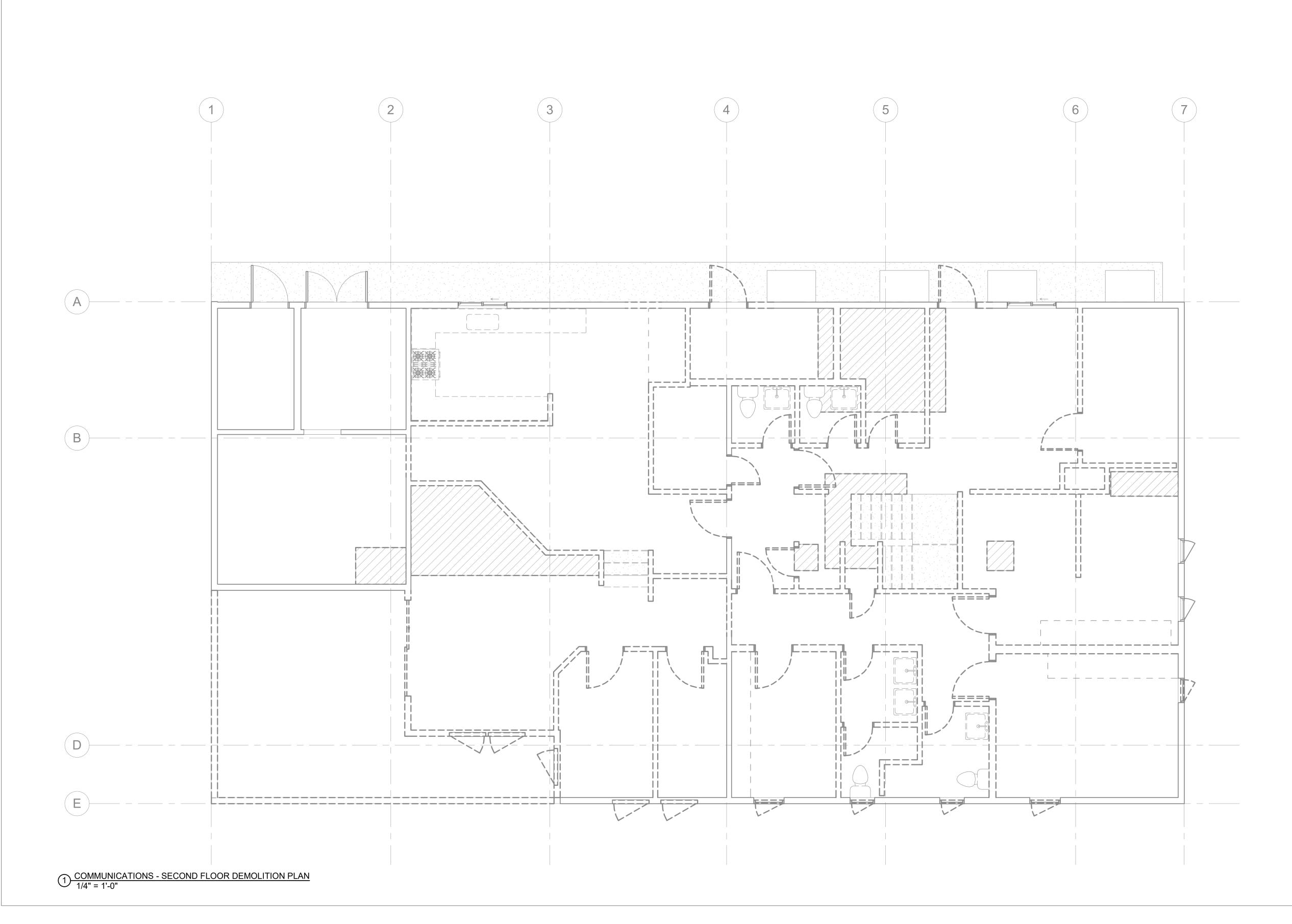
T: (415) 255-9140 ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

DESCRIPTION

0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

COMMUNICATIONS - SECOND FLOOR DEMOLITION PLAN



PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117

T: (415) 378-9064

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) 394-8869

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

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LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE

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SAN FRANCISCO, CA 94103
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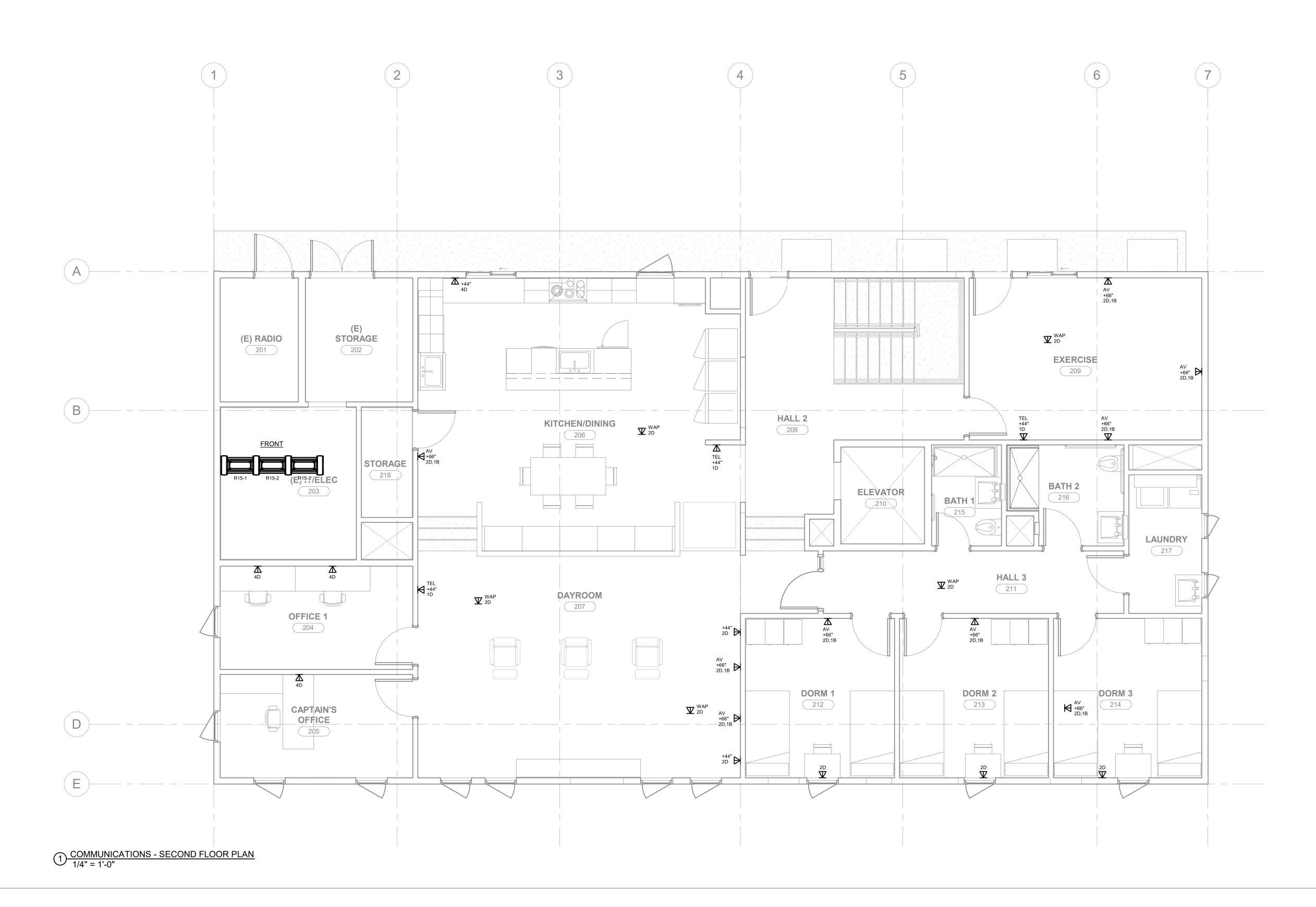
DESCRIPTION

0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

COMMUNICATIONS - SECOND FLOOR PLAN

TN204



PROJECT TEAM

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ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101

T: (415) 378-9064

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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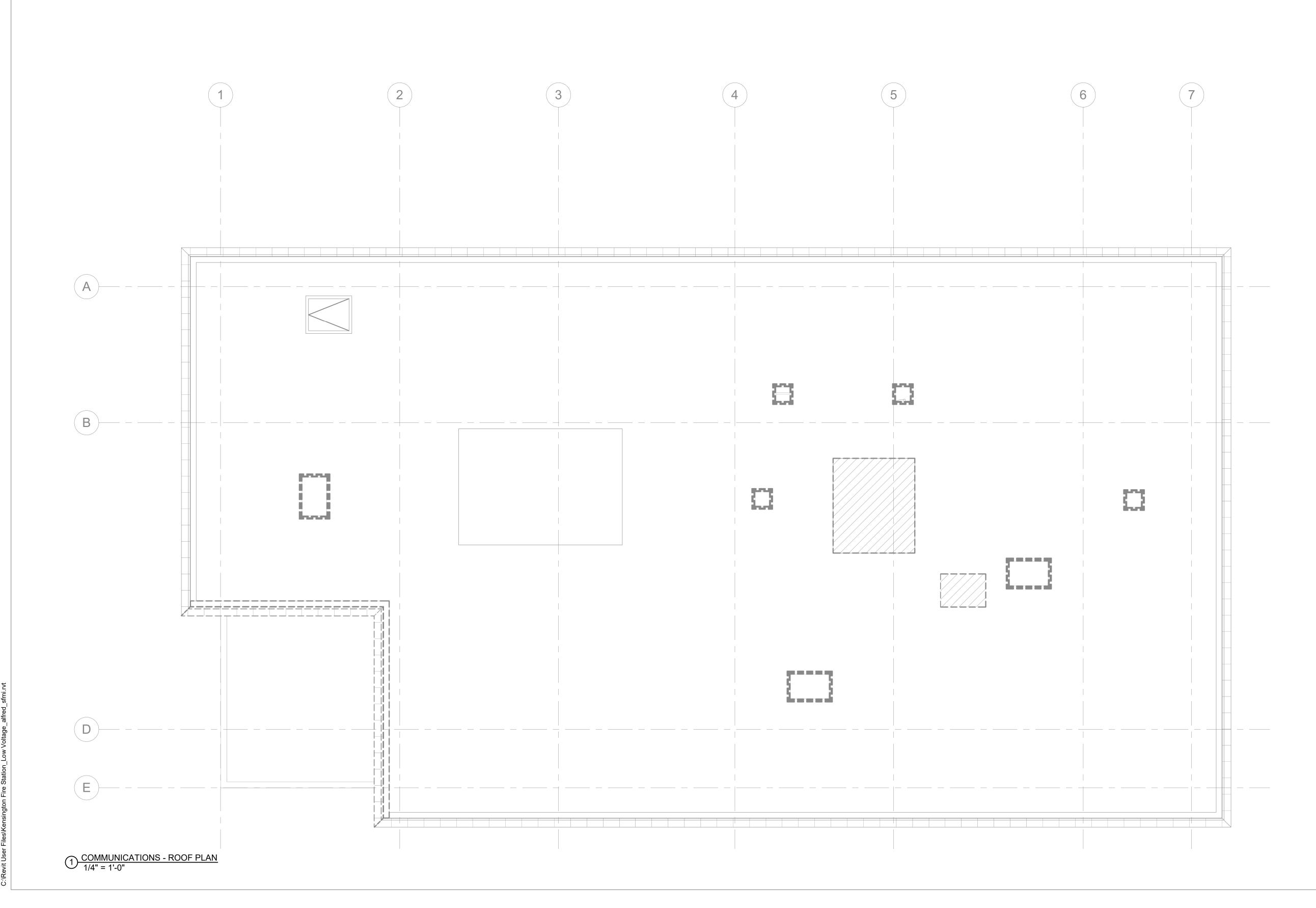
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DESCRIPTION

0000 KENSINGTON PUBLIC SAFETY BUILDING

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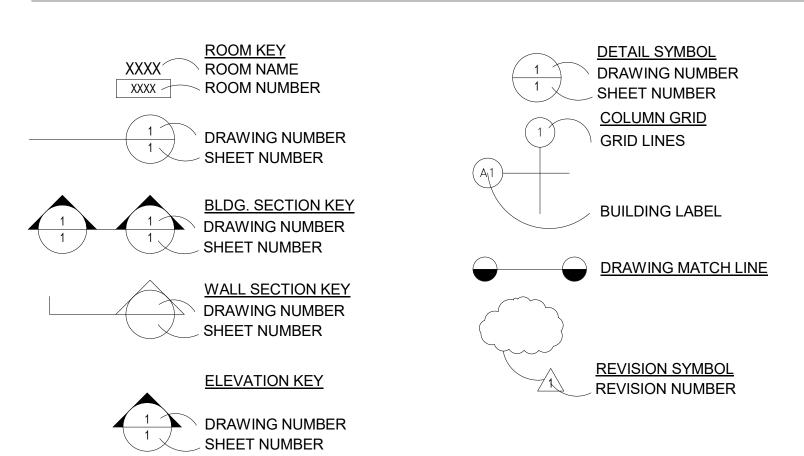
COMMUNICATIONS - ROOF PLAN



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

MULTI MODE OPTICAL FIBER

SEE SPECIFICATION SECTIONS FOR REFERENCE DESCRIPTIONS AND REQUIREMENTS. FOR OTHER MATERIAL AND EQUIPMENT

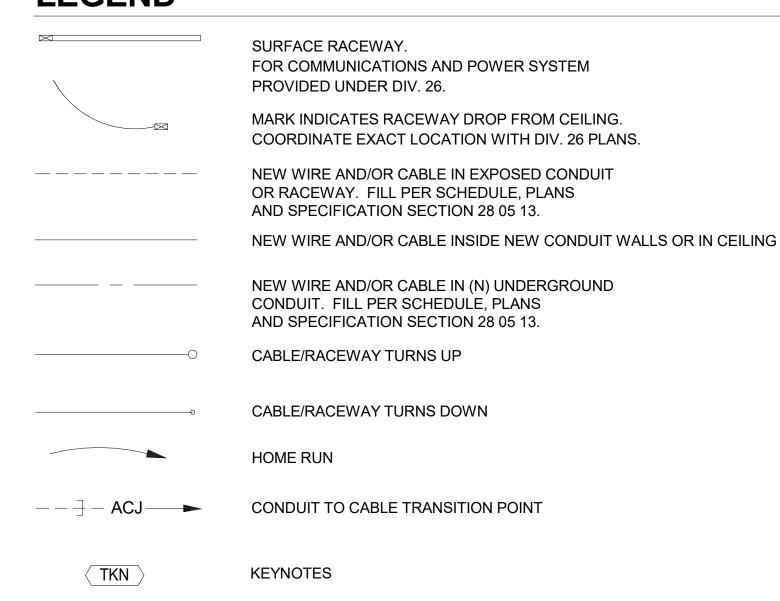
MULTIMEDIA PLATE

TYPES REFER TO SPECIFICATIONS.

MMP

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		, ,
FSP	FIBER SPLICE PANEL	110PWTBXX	110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR, XX- NO OF PAIRS
FTB	FIBER TERMINAL BOX	TB15	TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.
IDF	INTERMEDIATE DISTRIBUTION FACILITY	וטוט	TERMINAL BLOCK WITH 13 AMF SWITCH BLADE.
MDF	MAIN DISTRIBUTION FACILITY.		

LEGEND



JUNCTION BOX SCHEDULE

	T		
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.

19R-1 SINGLE 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 CEILING A.F.F. ABOVE FINISHED CEILING A.F.F. ABOVE FINISHED CEILING B.F.C. BLOW FINISHED CEILING B.F.C. BLOW FINISHED CEILING B.F.C. BLOW FINISHED CEILING B.D.H. BACK OF HOUSE C. CONDUIT CAT. CATEGORY CBC CALIFORNIA BUILDING CODE CEC CALIFORNIA BUILDING CODE CEC CALIFORNIA ELECTRICAL CODE COMM. COMMUNICATIONS C.L. CENTERLINE C.O. CONDUIT ONLY CONTINUATION CS COMMUNICATIONS SYSTEM (D) DEMOLISH EXISTING DED DEDUCTIVE ¬, DIA, DIAMETER DIV DIVISION (E) EXISTING EA. EACH ELECTRONIC INDUSTRIES ASSOCIATION ELEV. ELEVATION E.O.L. END OF LINE EQPT. EQUIPMENT FIN FINISHED FUT URE H.R. HOME RUN H.T. 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.F.E. OWNER FURNISHED EQUIPMENT OPP. OPPOSITE PNL. PANEL PROJECT STANDARD RECEPTACLE HEIGHT +48" AFF, IL PROJ. PROJECT STANDARD SWITCH HEIGHT +48" AFF, IL P.S.S.H. PROJECT STANDARD SWITCH HEIGHT +48" AFF, IL P.S.S.	
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TEL TELEPHONE	
TELCOM TELECOMMUNICATIONS	
TIA TELECOMMUNICATIONS INDUSTRY ASSOCIATION	
THE TELECOMMUNICATIONS INDUSTRY ASSOCIATION	

TWISTED PAIR

WEATHERPROOF

UNLESS OTHERWISE NOTED

TYPICAL

MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

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HALEY ALDRICH 1956 WEBSTER ST #300 OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS

T: (510) 879-4544 LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC. SAN FRANCISCO, CA 94103

T: (831) 373-4390

CONTACT: RON BLUE

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

DESCRIPTION JOB NO.

0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS AND JBOX SCHEDULE



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CLIENT:

KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELI 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 FRANZ

> **BKF ENGINEERS** 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596 CONTACT: ERIC SWANSON

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

NOTE NO. WORK OF NOTES

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**

MOTOR ASSISTED POWER DOOR OPERATOR BY DIVISION 8 AND 26. DOOR ENTRY FROM WO2 UNSECURE SIDE UNDER CONTROL OF ACCESS CONTROL SYSTEM.

NOTE NO. LOCATION & ROUGH-IN NOTES

TOP OF DOOR AND IN DOOR FRAME, NOT MORE THAN 6" FROM JAMB SIDE. LRI 1 INSTALLATION SHALL NOT COMPROMISE FIRE RATING OF DOOR.

LRI 2 4S BOX W/ 1 GANG RING AND BLANK COVER PLATE

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 LRI 3 WITH MANUFACTURER INSTRUCTIONS.

SURFACE MOUNT ON DOOR FRAME. INSTALLATION SHALL NOT COMPROMISE FIRE LRI 4

RATING OF DOOR.

DESCRIPTION JOB NO.

0000 KENSINGTON PUBLIC SAFETY

BUILDING

DESCRIPTION

SYMBOL SHCEDULE

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117

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

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GEOTECH: HALEY ALDRICH 1956 WEBSTER ST #300 OAKLAND, CA 94612 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

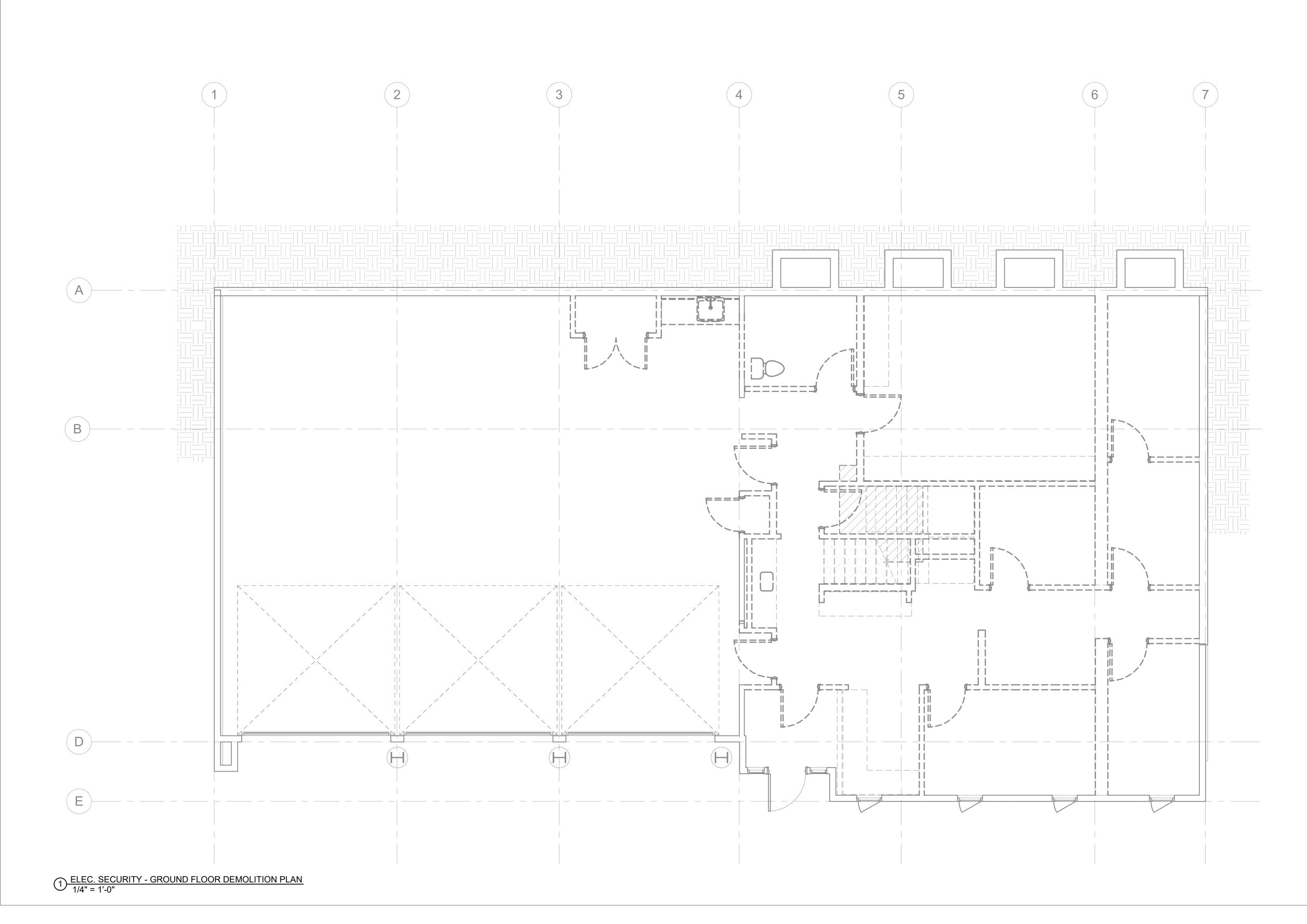
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

DESCRIPTION

0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

ELEC. SECURITY - GROUND FLOOR DEMOLITION PLAN



PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE CLIENT: KENSINGTON, CA 94707 CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101

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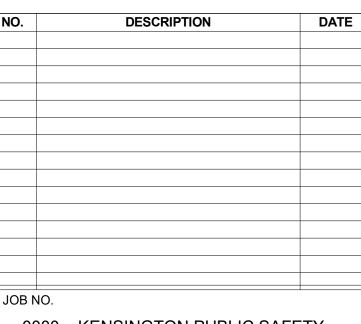
T: (510) 879-4544 LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

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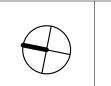
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626



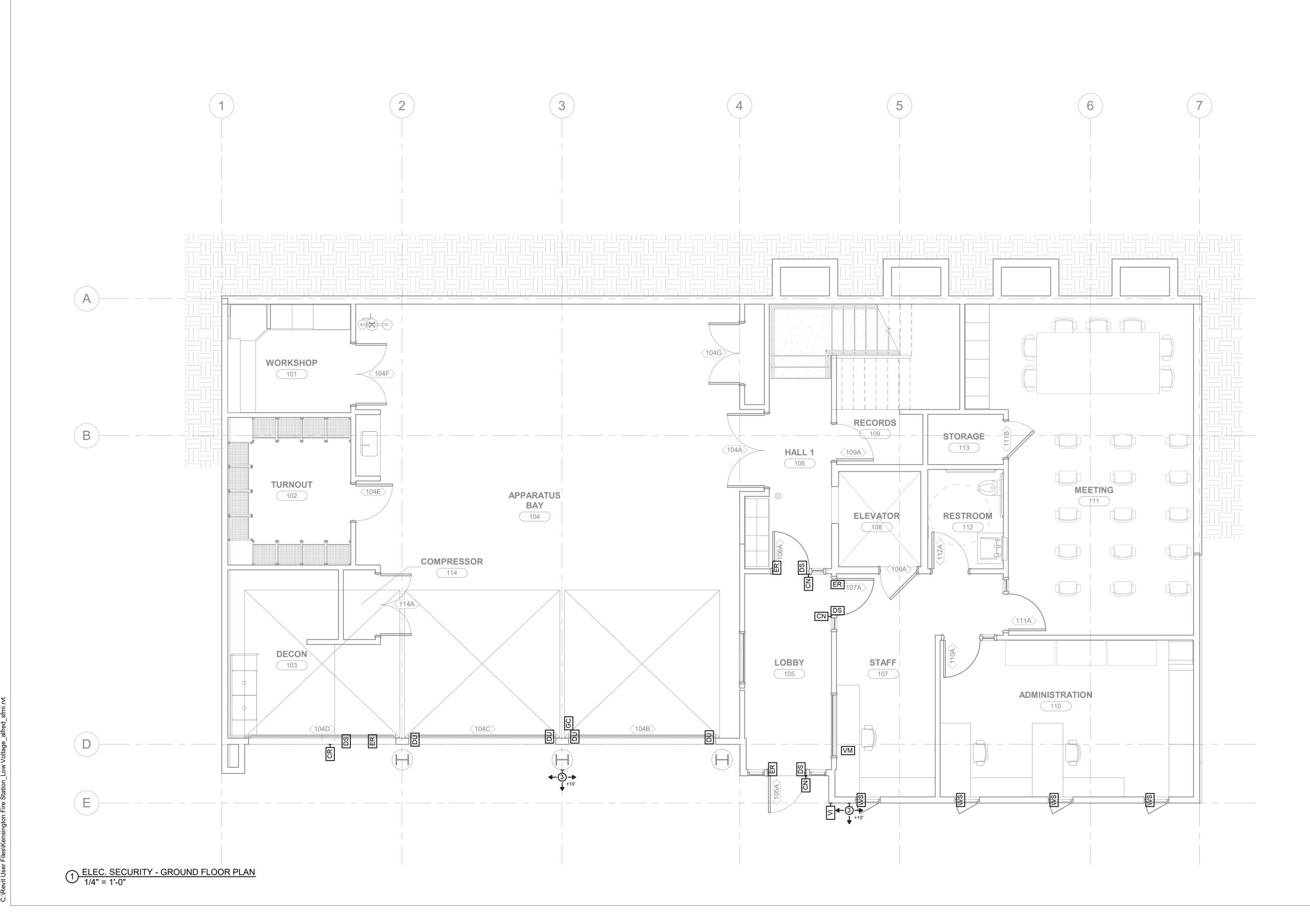
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

ELEC. SECURITY - GROUND FLOOR



TY202



PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117 CONTACT: KAREN MAR

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T: (415) 378-9064

STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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T: (650) 394-8869 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

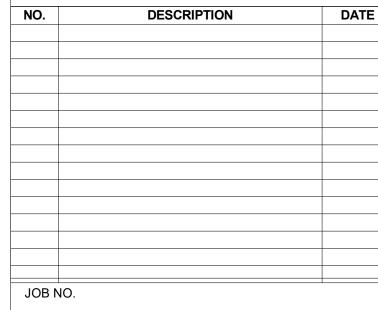
T: (510) 879-4544 LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940

T: (831) 373-4390 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

CONTACT: RON BLUE

351 8TH STREET SAN FRANCISCO, CA 94103 CONTACT: PETER MCDONALD T: (415) 255-9140

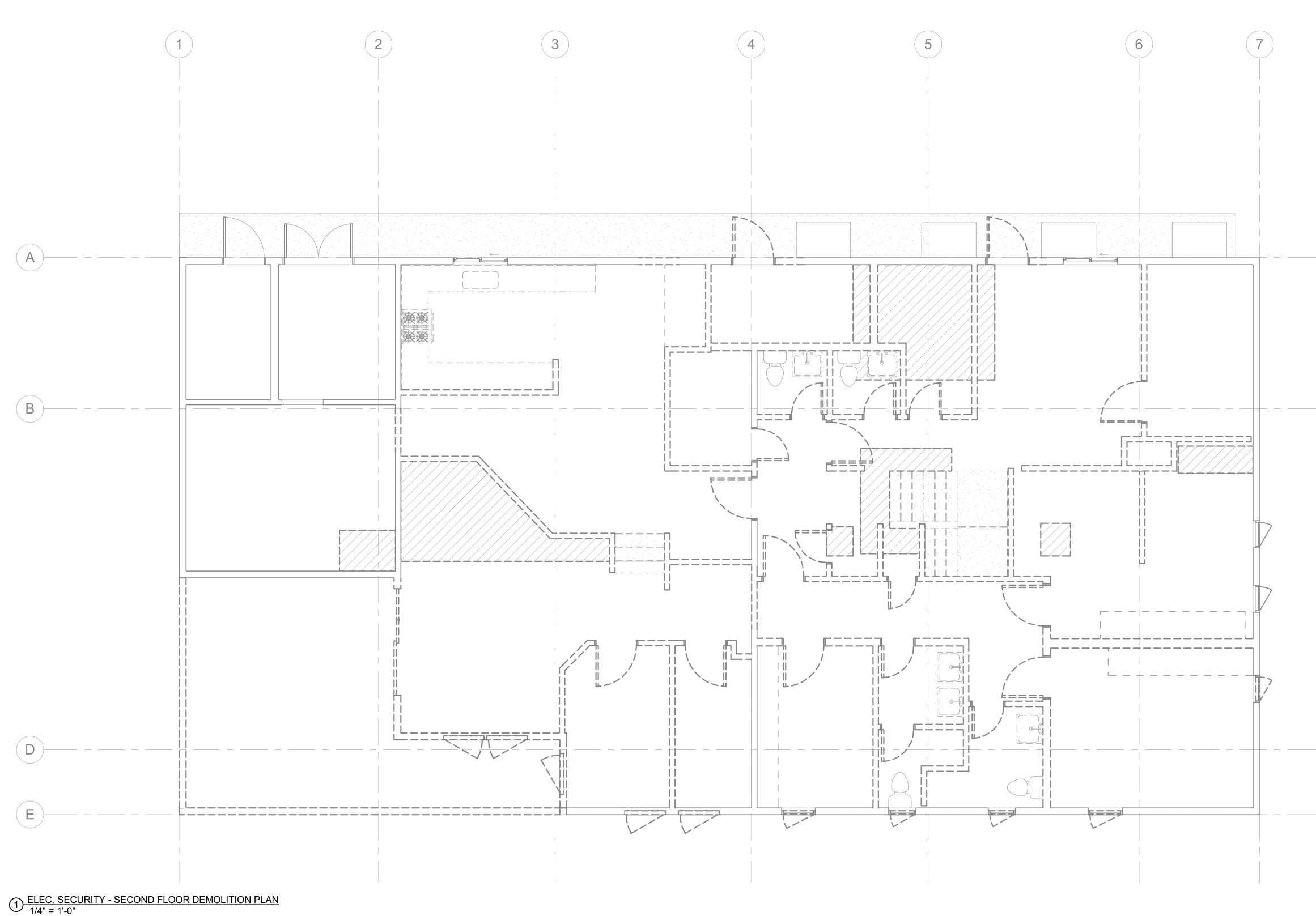
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626



0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

ELEC. SECURITY - SECOND FLOOR DEMOLITION PLAN



PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE CLIENT: 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) 394-8869

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

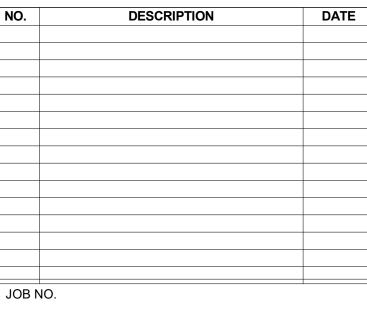
GEOTECH: HALEY ALDRICH 1956 WEBSTER ST #300

OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544

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 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

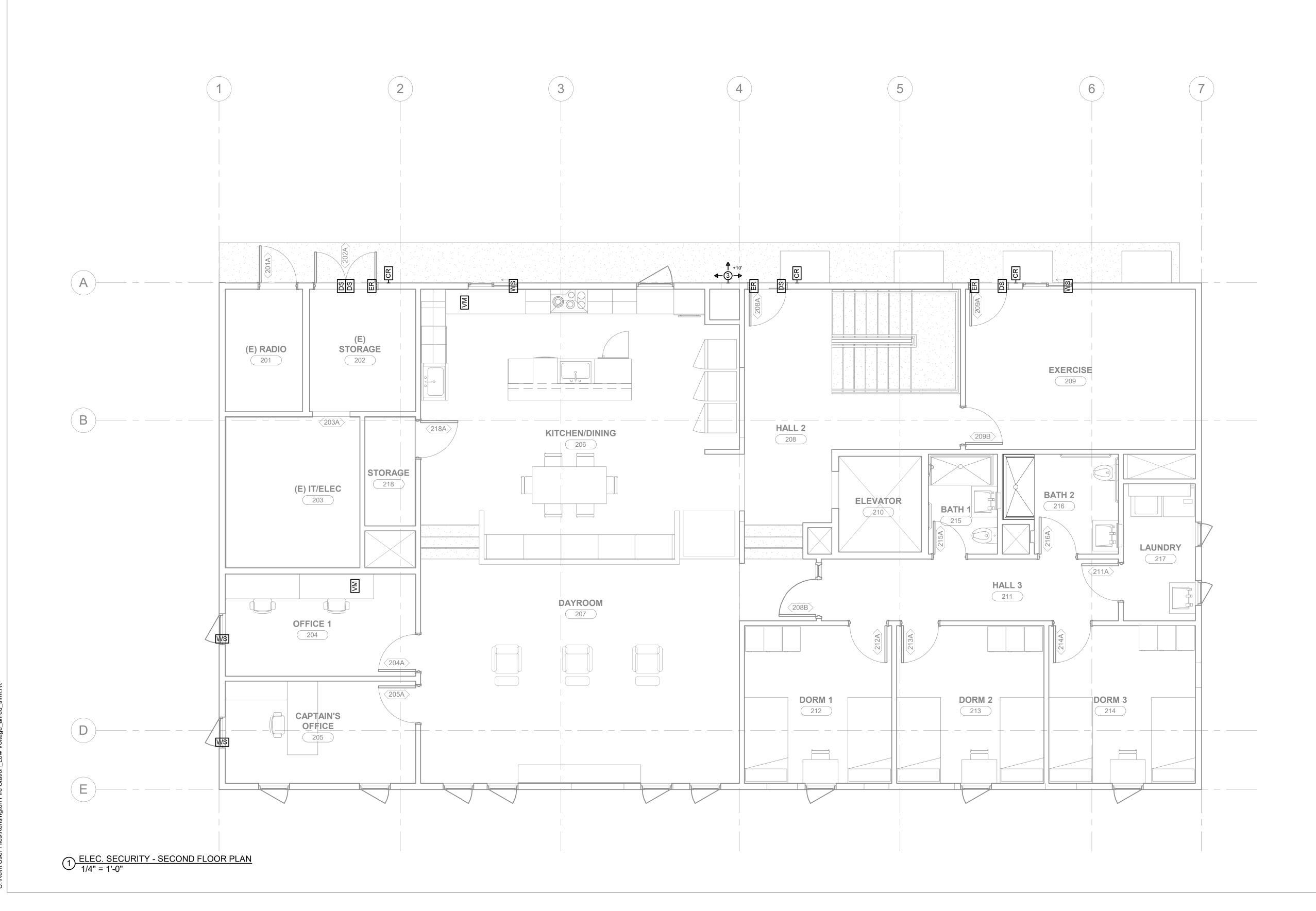


0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

ELEC. SECURITY - SECOND FLOOR

TY204



PROJECT TEAM

KENSINGTON FIRE PROTECTION DISTRICT CLIENT: 217 ARLINGTON AVE KENSINGTON, CA 94707 CONTACT: BILL HANSELL

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GEOTECH: HALEY ALDRICH 1956 WEBSTER ST #300

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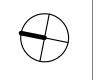
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

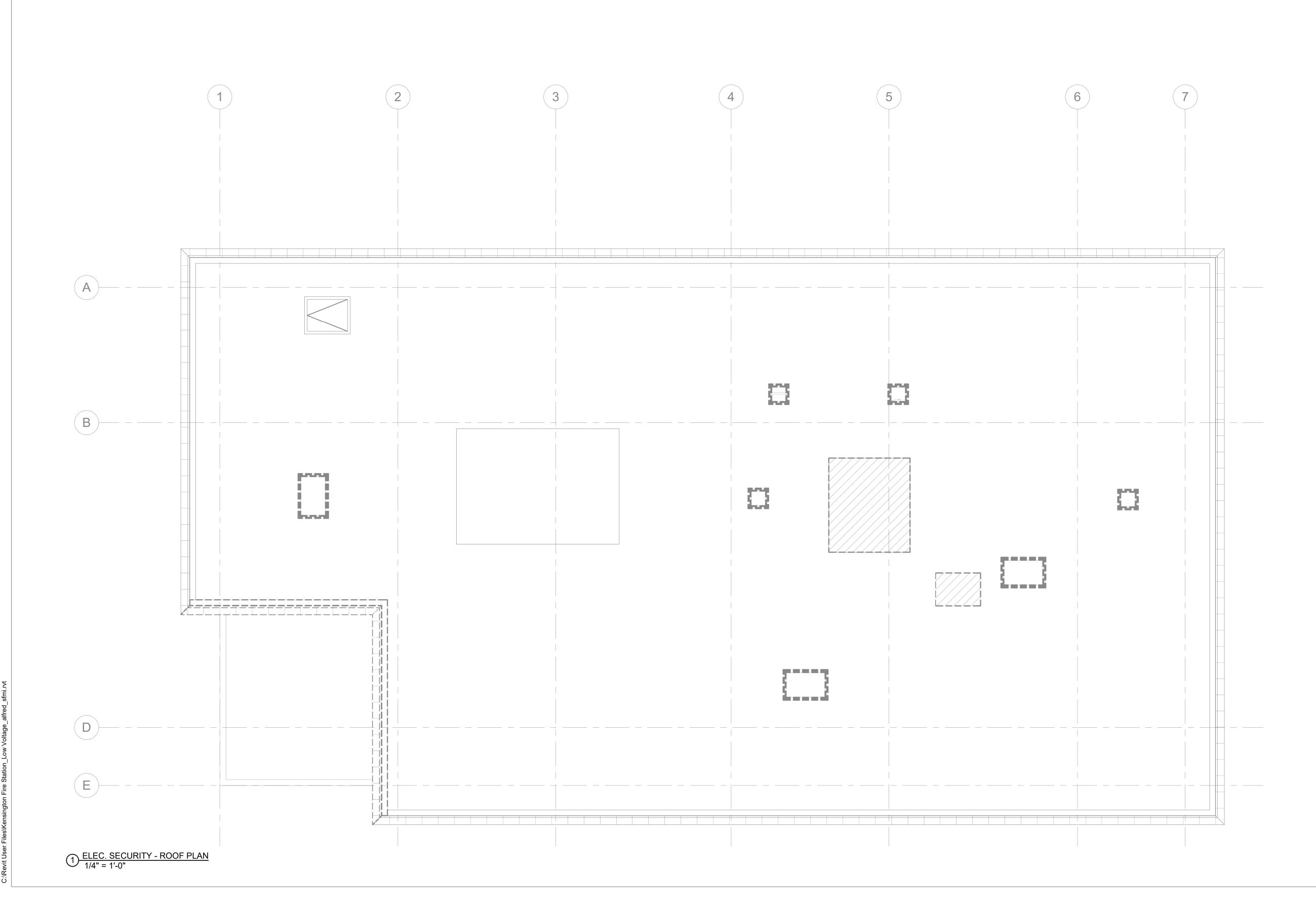
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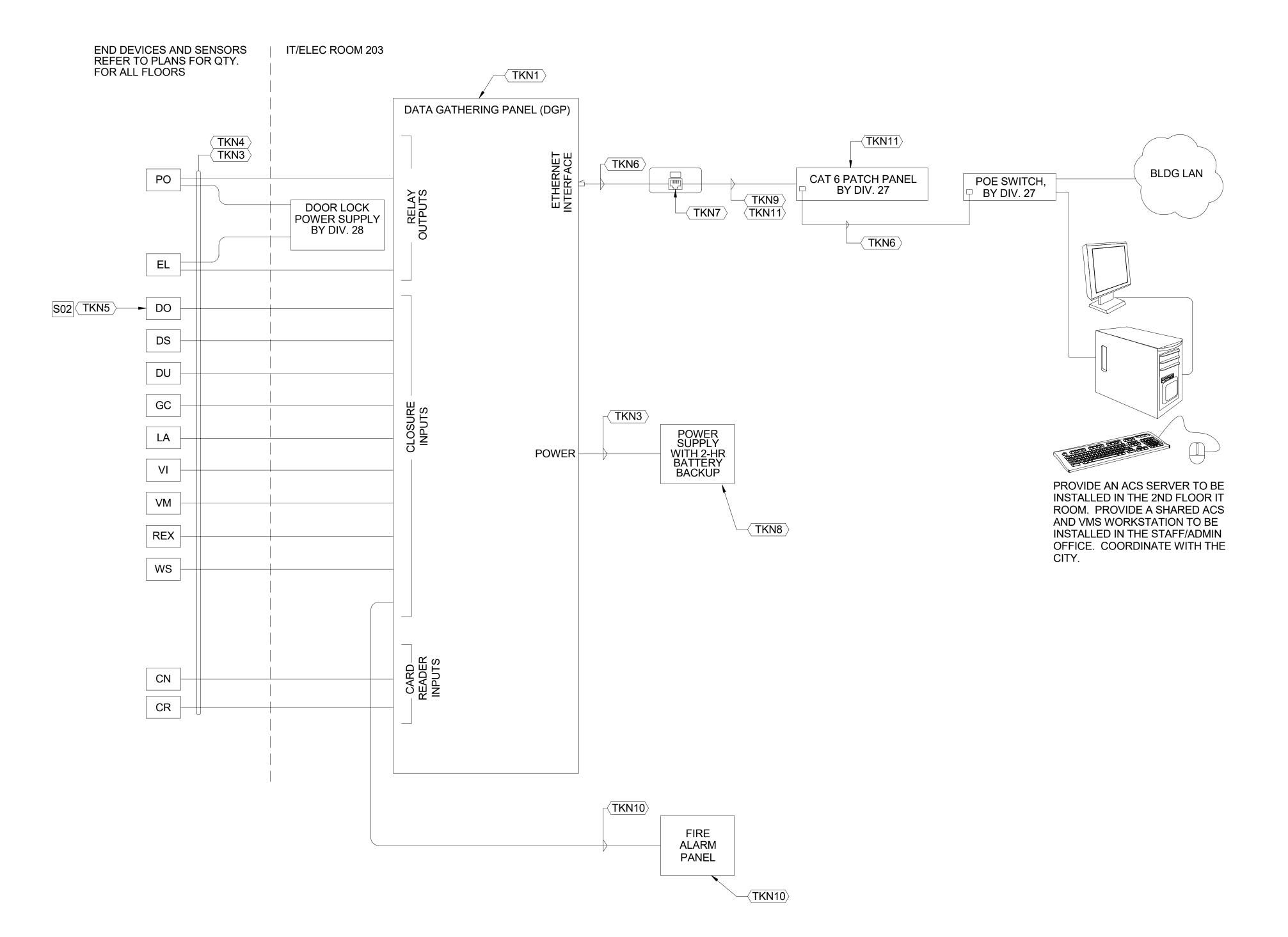
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

ELEC. SECURITY - ROOF PLAN







SHEET NOTES

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.

MARJANG

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.

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.

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 MULTMEDIA 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

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.

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.

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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VIL: BKF ENGINEERS

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GEOTECH: HALEY ALDRICH
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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 DAT

JOB NO.

0000 KENSINGTON PUBLIC SAFETY

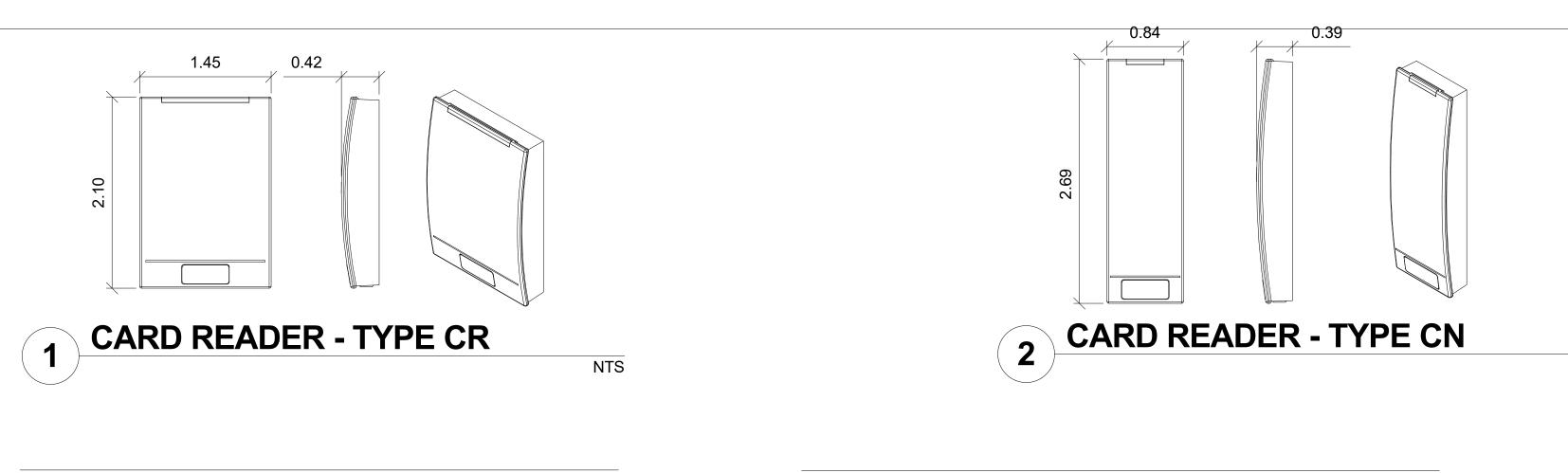
BUILDING

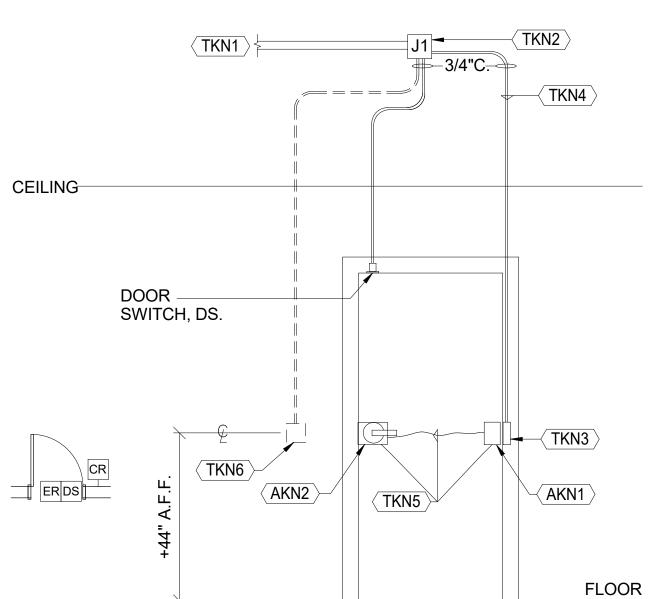
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ACCESS CONTROL AND IDS SINGLE LINE DIAGRAM

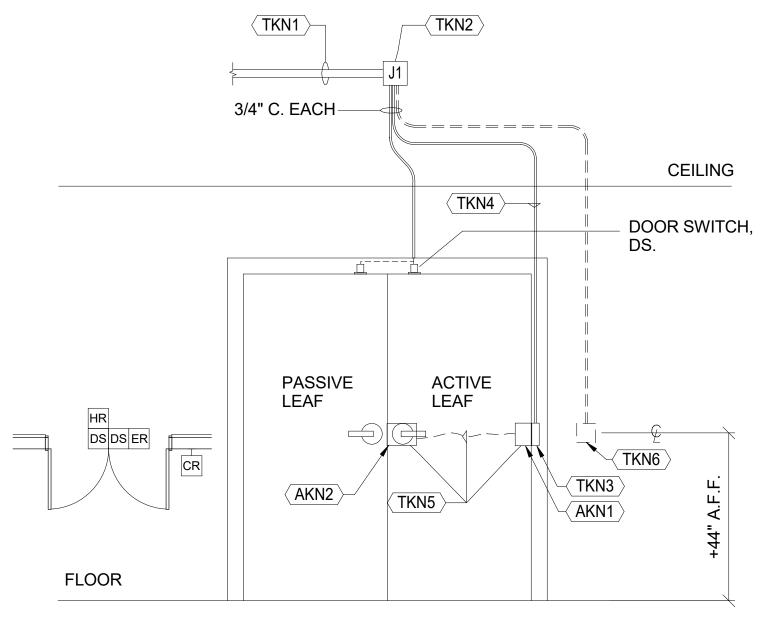


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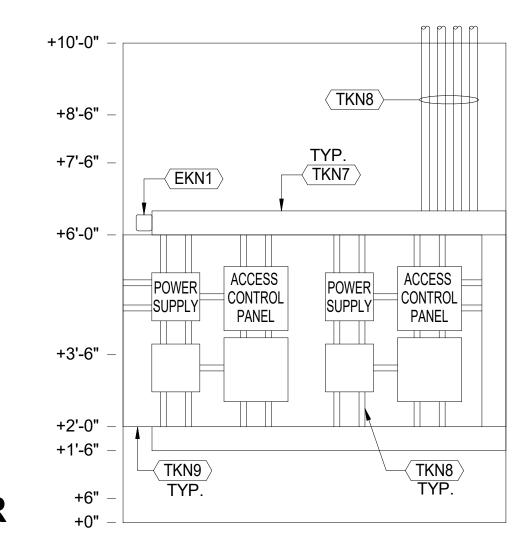




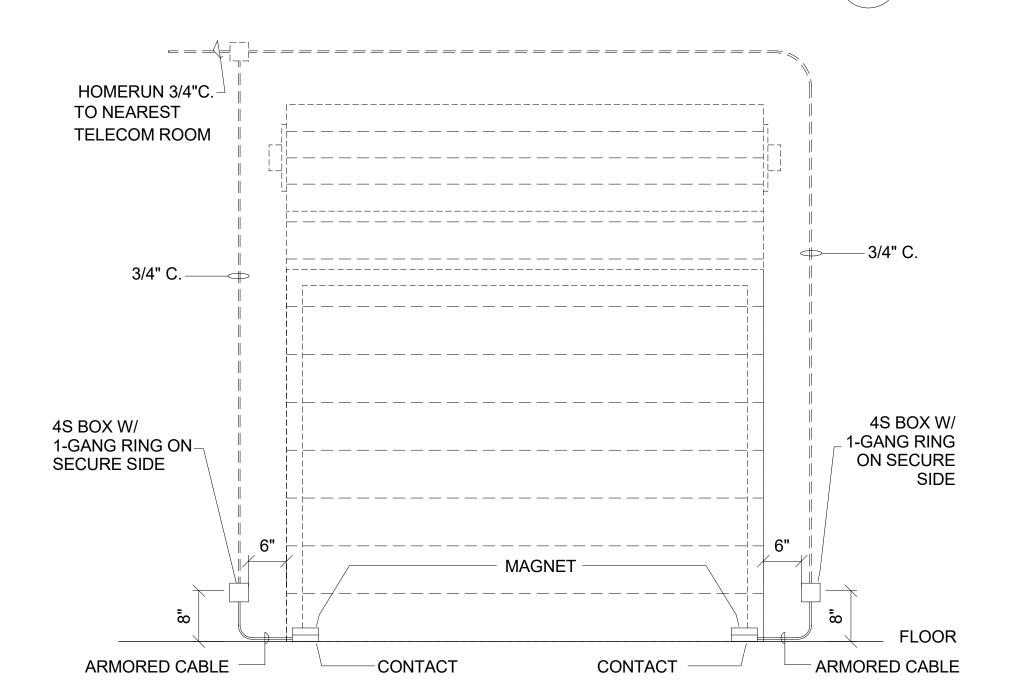
TYPICAL ACCESS CONTROLLED SINGLE DOOR ELEVATION, DOOR HARDWARE EXIT ALARM SUPPRESSION



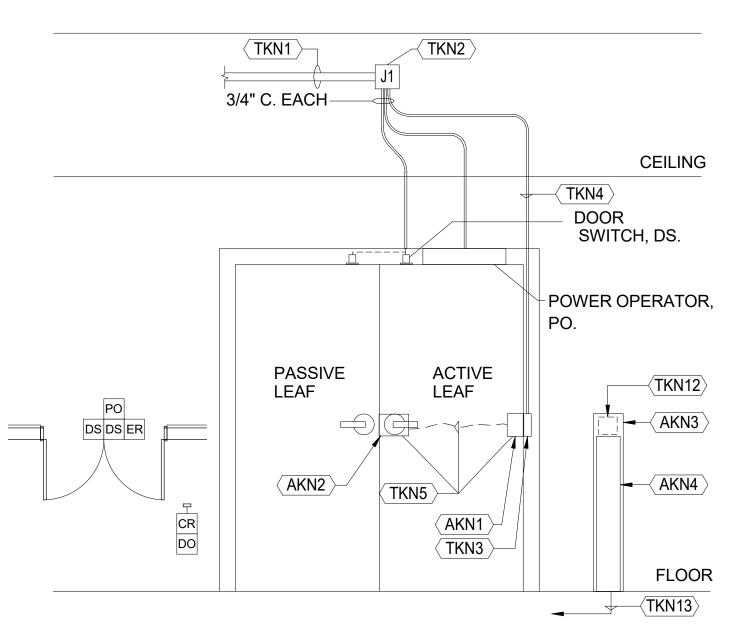
TYPICAL ACCESS CONTROLLED DOUBLE DOOR OPENING, WALL MOUNT CARD READER, DOOR HARDWARE EXIT ALARM SUPPRESSION



ACS ELEVATION VIEW FROM SECURE SIDE, CEILING ACCESS NTS



DU - OVERHEAD DOOR POSITION SWITCH



TYPICAL ACCESS CONTROLLED DOUBLE DOOR OPENING, PEDESTAL MOUNT CARD READER, DOOR HARDWARE EXIT ALARM SUPPRESSION VIEW FROM SECURE SIDE, CEILING ACCESS

SHEET NOTES

KEYNOTES

- 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.
- 2. 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.

ARCHITECTURAL. WORK OF DIVISIONS 8.

TRANSFER HINGE WITH 2 PR CONDUCTORS MIN.

DETECT OPERATION OF DOOR FROM SECURE SIDE.

OF OPENING. WIRED TO DGP BY DIVISION 28.

ACCESS CONTROL SYSTEM POWER.

ER - DOOR HANDLE OR PANIC HARDWARE WITH MECHANICAL

ARCHITECTURAL PEDESTAL - WHERE OCCURS, SEE PLANS.

DO - POWERED DOOR OPERATOR SWITCH MOUNTED TO

PROVIDE TWO DEDICATED 20A CKT, 120V HARDWIRED FOR

LOCK AND INTEGRAL ALARM SUPPRESSION MICRO-SWITCH TO

PEDESTAL OR WALL ON BOTH SECURE AND UN-SECURE SIDES

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

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 HANSELI** T: (415) 378-9064

MARJANG ARCHITECTURE 930 COLE STREET STE 101

T. (415) 522-0600

CONTACT: MATT FRANZ

ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISION 28

EXTEND 1.25" MIN C. TO THE NEAREST TELECOM ROOM.

LOCATE ABOVE DOOR AT SECURED ACCESSIBLE CEILING CONDITIONS. AT GYP CEILING CONDITIONS, LOCATE REMOTELY AT NEAREST UTILITY SPACE.

PROVIDE MUD BOX INSIDE DOOR FRAME AT GROUTED DOOR ASSEMBLIES.

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**

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.

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.

PROVIDE 6"X6" METALLIC WIREWAY/GUTTER.

TKN8 PROVIDE MULTIPLE 1"C. AND 2"C. AS REQUIRED.

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.

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.

EXTEND 1" CONDUIT TO ACCESSIBLE CEILING SPACE.

CARD READER MOUNTED TO WALL OR PEDESTAL AT POWER DOOR OPERATOR ENABLED ENTRIES ON UN-SECURE SIDE.

PROVIDE 1" C. TO NEAREST IDF ROOM.

SAN FRANCISCO, CA. 94117 CONTACT: KAREN MAR

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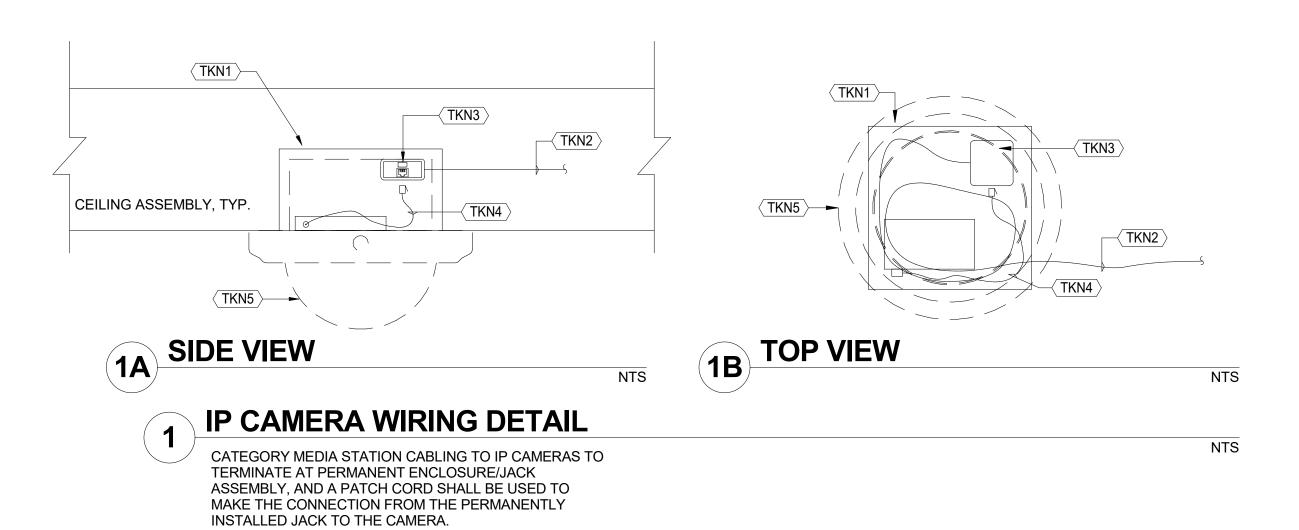
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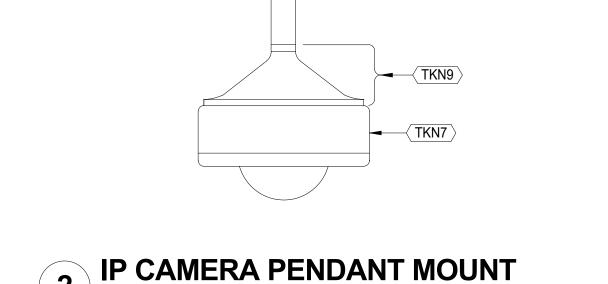
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

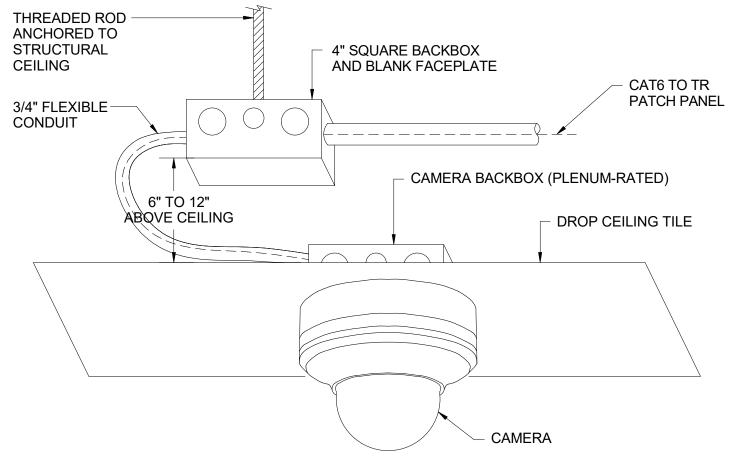
DETAILS - ELECTRONIC SECURITY SYSTEMS ACCESS CONTROL





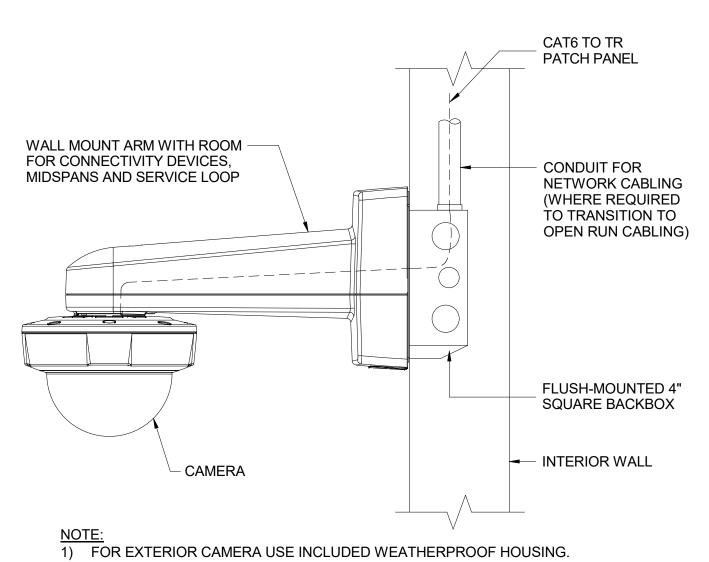


INTERIOR CEILING/STRUCTURE MOUNTED



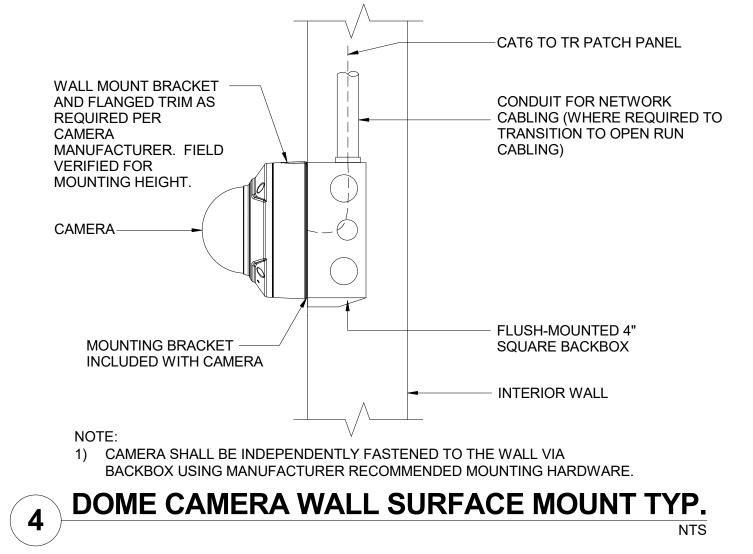
NOTES:
1) CAMERAS AND CONDUIT SHALL BE INDEPENDENTLY SUPPORTED AND SHALL NOT RELY ON CEILING SYSTEM CABLE SUPPORTS, FRAME OR TILES FOR SUPPORT.
2) WHERE CEILING-MOUNTED CAMERAS ARE TO BE INSTALLED ON CEILING TILES, THEY SHALL BE CENTERED ON THE TILE IN BOTH DIRECTIONS.

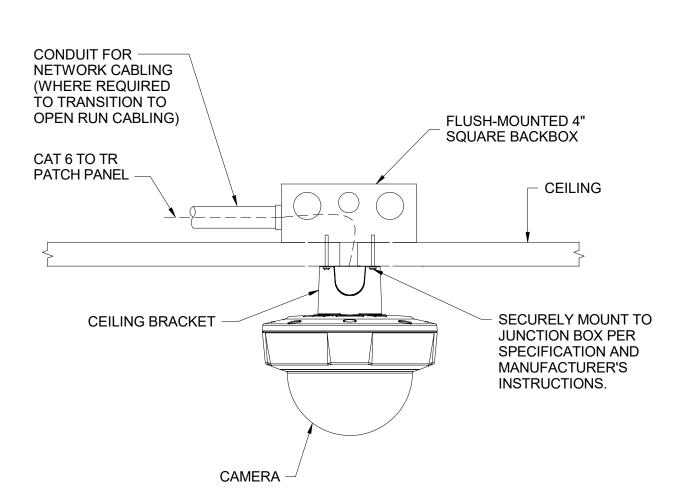
3 DOME CAMERA DROP CEILING MOUNT TYP.



6 180° CAMERA WALL ARM MOUNT TYP.

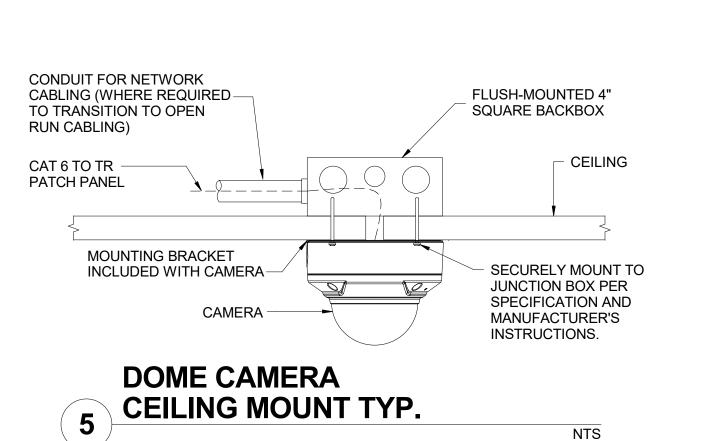
NTS





7 180° CAMERA CEILING MOUNT TYP.

NTS



NTS

KEYNOTES

A1 PAINT AS DESCRIBED/REQUIRED IN DIVISION 9

TN ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISION 28.

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

ARCHITECTURAL. WORK OF DIVISIONS 3-14.

TKN2 CATEGORY 6 STATION CABLING BY DIVISION 27.

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.

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 PIP SECURITY CAMERA.

1" NPT PIPE THREADED FOR PENDENT MOUNTING FROM STRUCTURE ABOVE.

TKN9 PENDANT MOUNT ADAPTER - SONY UNIMDPDH120 OR EQUAL.

MARJANG

07440

PROJECT ADDRESS

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PROJECT TEAM

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NO. DESCRIPTION DATE

JOB NO.

0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION

DETAILS - ELECTRONIC SEURITY SYSTEMS VIDEO SURVEILLANCE SYSTEMS



Γ**Y902**