

# PRELIMINARY SCHEMATIC PRICING SET

## KENSINGTON PUBLIC SAFETY BUILDING



**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

217 Arlington Avenue  
KENSINGTON, CA 94707

PRELIMINARY SCHEMATIC PRICING SET  
09-27-2021

APPROVALS:

# NOT FOR CONSTRUCTION

X  
qX

X  
X













STAMP

PROJECT ADDRESS  
 217 ARLINGTON AVE.  
 KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

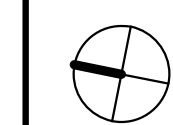
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
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ESTIMATOR: MICROESTIMATION INC.  
 850 S. VAN NESS AVE, #26  
 SAN FRANCISCO, CA 94110  
 CONTACT: HENRY TOORYANI  
 T: (415) 826-9626

NO.	DESCRIPTION	DATE
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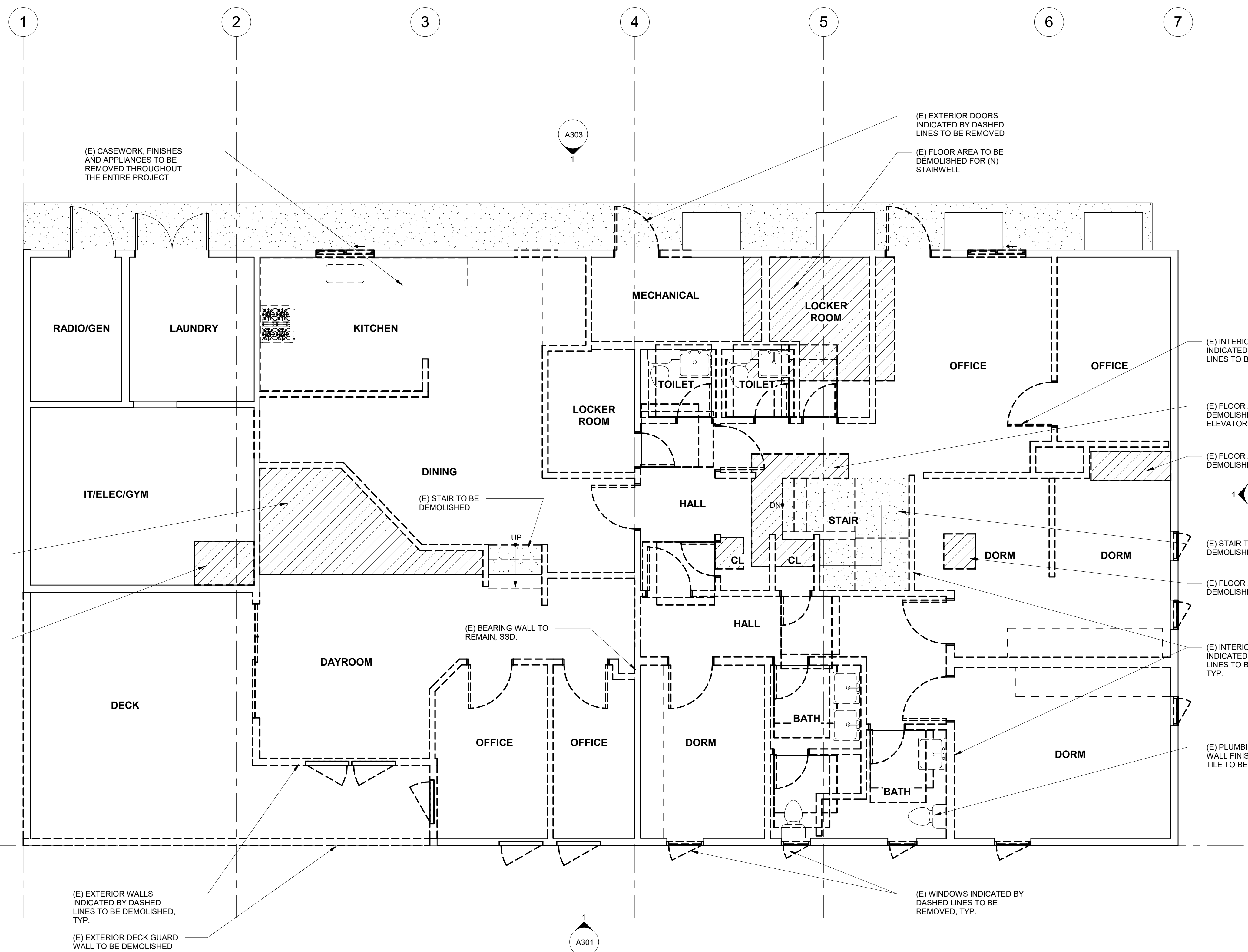
JOB NO.  
 0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
 EXISTING AND DEMOLITION SECOND FLOOR PLAN



**A203**

9/27/2021 4:09:09 PM



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

**WALL LEGEND**

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

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





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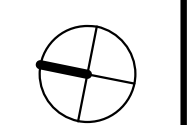
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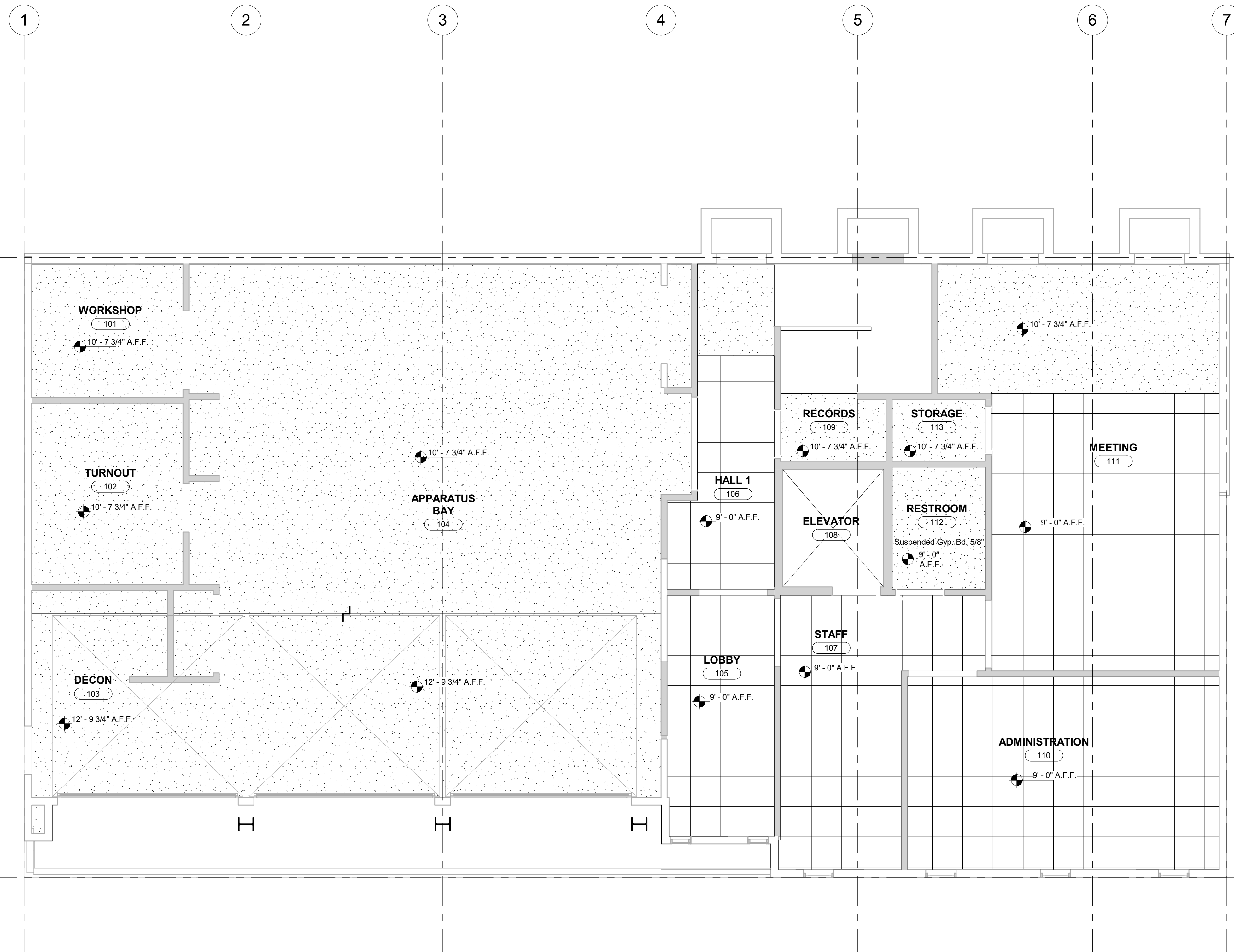
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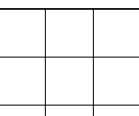

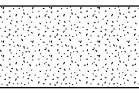
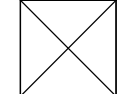
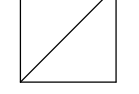
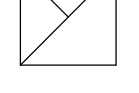

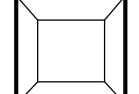
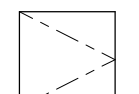
JOB NO.  
0000 KENSINGTON PUBLIC SAFETY  
BUILDING

DESCRIPTION  
PROPOSED GROUND FLOOR  
REFLECTED CEILING PLAN



**A205**



-  SCG1 - 2 X 2 ACOUSTICAL CEILING TILE WITH CONCEALED EDGES AND SUPPORT BARS. SEE SPECIFICATION FOR PANEL TYPE
-  SCG1 - 2 X 4 ACOUSTICAL CEILING TILE WITH CONCEALED EDGES AND SUPPORT BARS. SEE SPECIFICATION FOR PANEL TYPE
-  GB1 - GYP BD. CEILING, PTD.
-  SUPPLY GRILLE, SMD.
-  RETURN GRILLE, SMD.
-  EXHAUST GRILLE, SMD.
-  LINEAR DIFFUSER, SMD.
-  CEILING FAN COIL UNIT, SMD.
-  MECHANICAL ACCESS PANEL, GLASS FIBER REINFORCED GYPSUM (GFRG) RADIUS CORNER SEAMLESS/CONCEALED ACCESS HATCH. COORDINATE WITH EQUIPMENT LOCATIONS.

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

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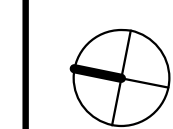
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NO.	DESCRIPTION	DATE
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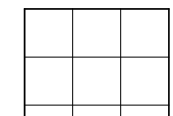
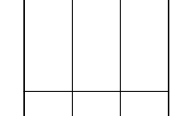
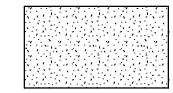
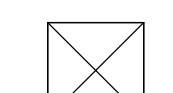
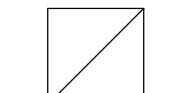
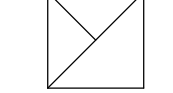

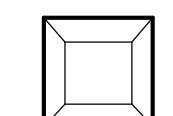
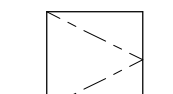
JOB NO.  
0000 KENSINGTON PUBLIC SAFETY  
BUILDING

DESCRIPTION  
PROPOSED SECOND FLOOR  
REFLECTED CEILING PLAN



**A206**



-  SCG1 - 2 X 2 ACOUSTICAL CEILING TILE WITH CONCEALED EDGES AND SUPPORT BARS. SEE SPECIFICATION FOR PANEL TYPE
-  SCG1 - 2 X 4 ACOUSTICAL CEILING TILE WITH CONCEALED EDGES AND SUPPORT BARS. SEE SPECIFICATION FOR PANEL TYPE
-  GB1 - GYP.BD. CEILING, PTD.
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**1** PROPOSED 2ND LEVEL REFLECTED CEILING PLAN

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

STAMP

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 KENSINGTON, CA 94707**

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ARCHITECT: MARJANG ARCHITECTURE  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
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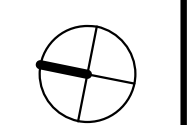
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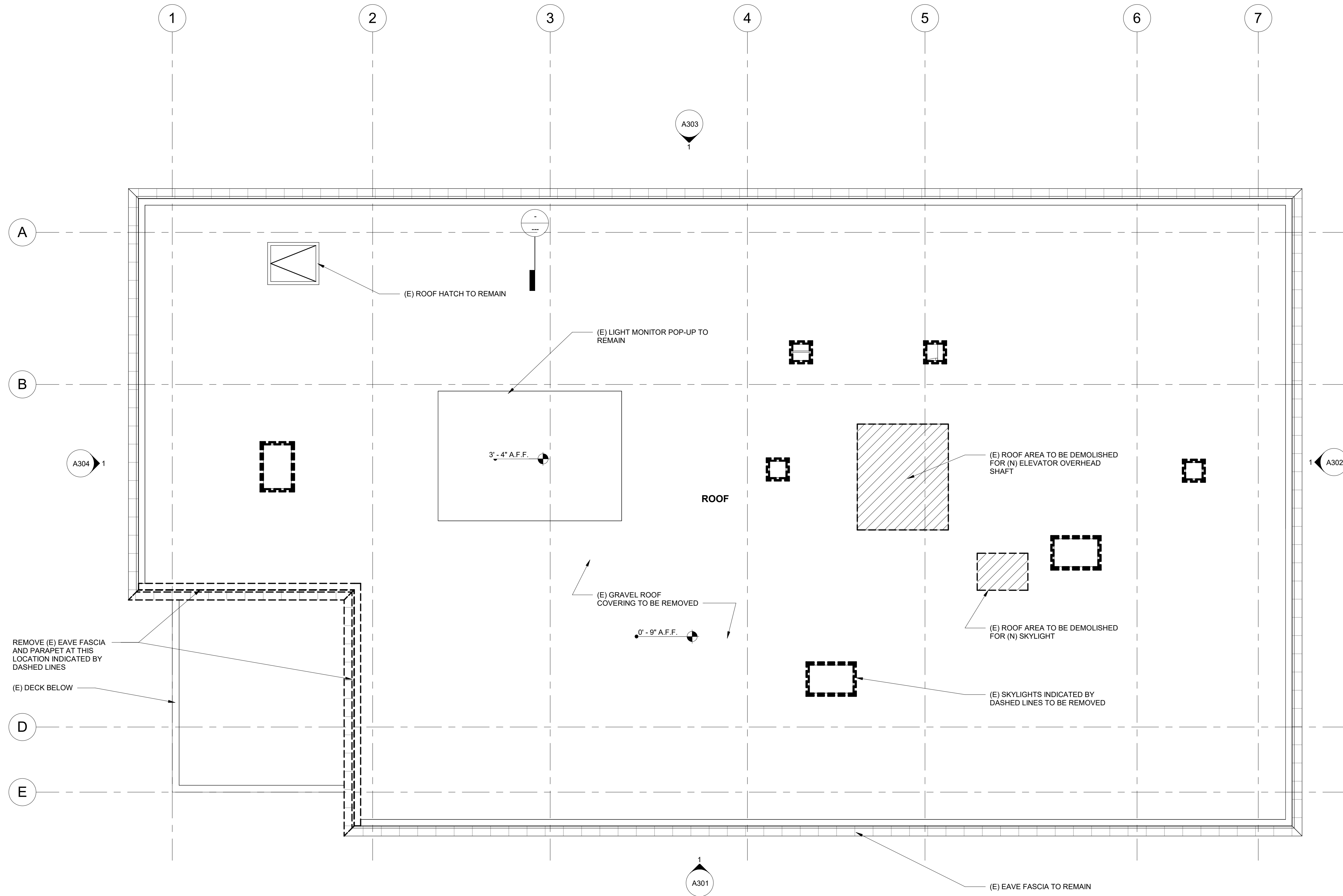
NO.	DESCRIPTION	DATE
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JOB NO.  
**0000 KENSINGTON PUBLIC SAFETY BUILDING**

DESCRIPTION  
**EXISTING ROOF PLAN**



**A207**



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

**WALL LEGEND**

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

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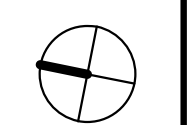
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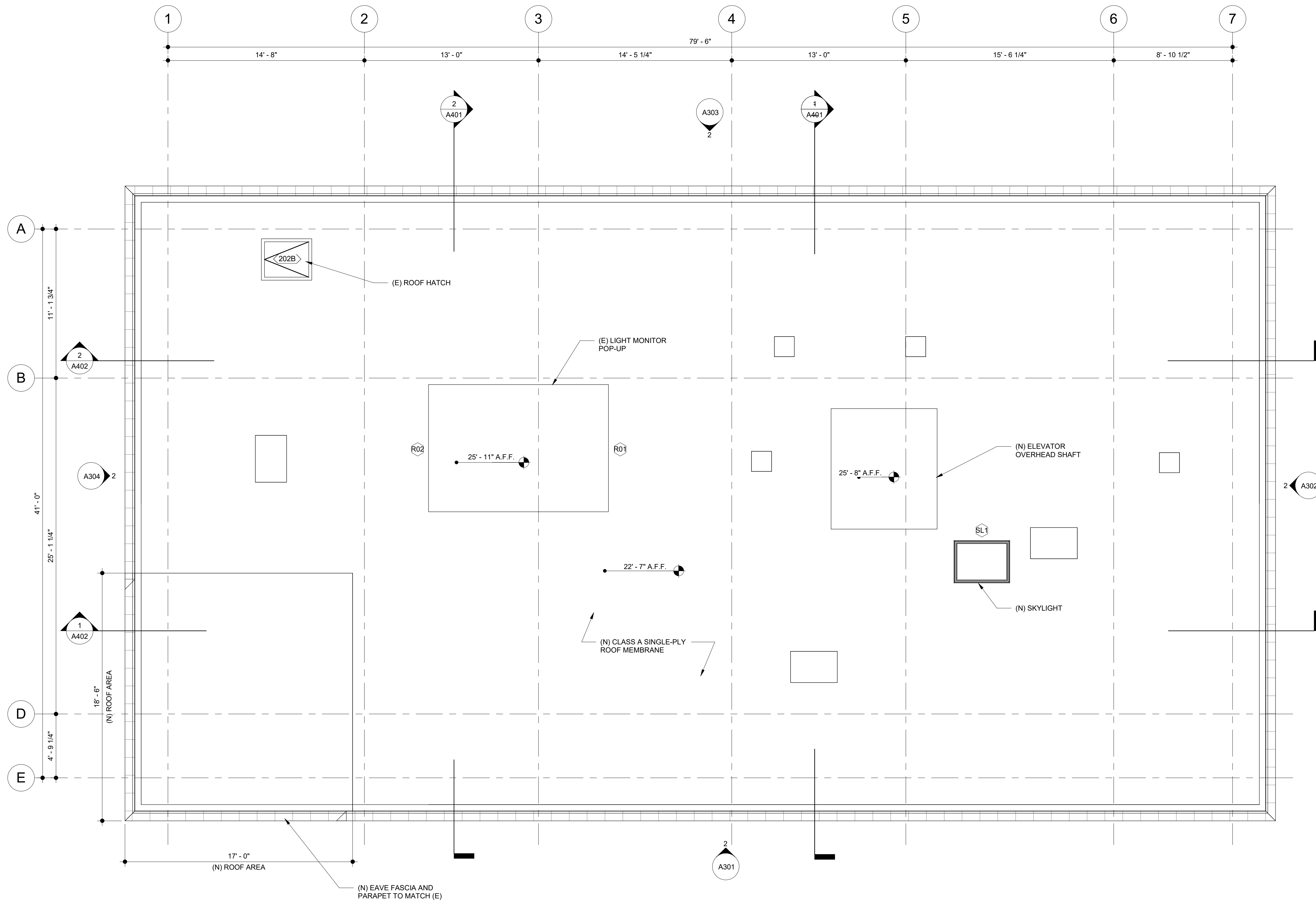
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DESCRIPTION  
PROPOSED ROOF PLAN



**A208**



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

**WALL LEGEND**

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

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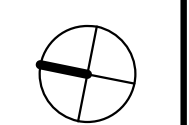
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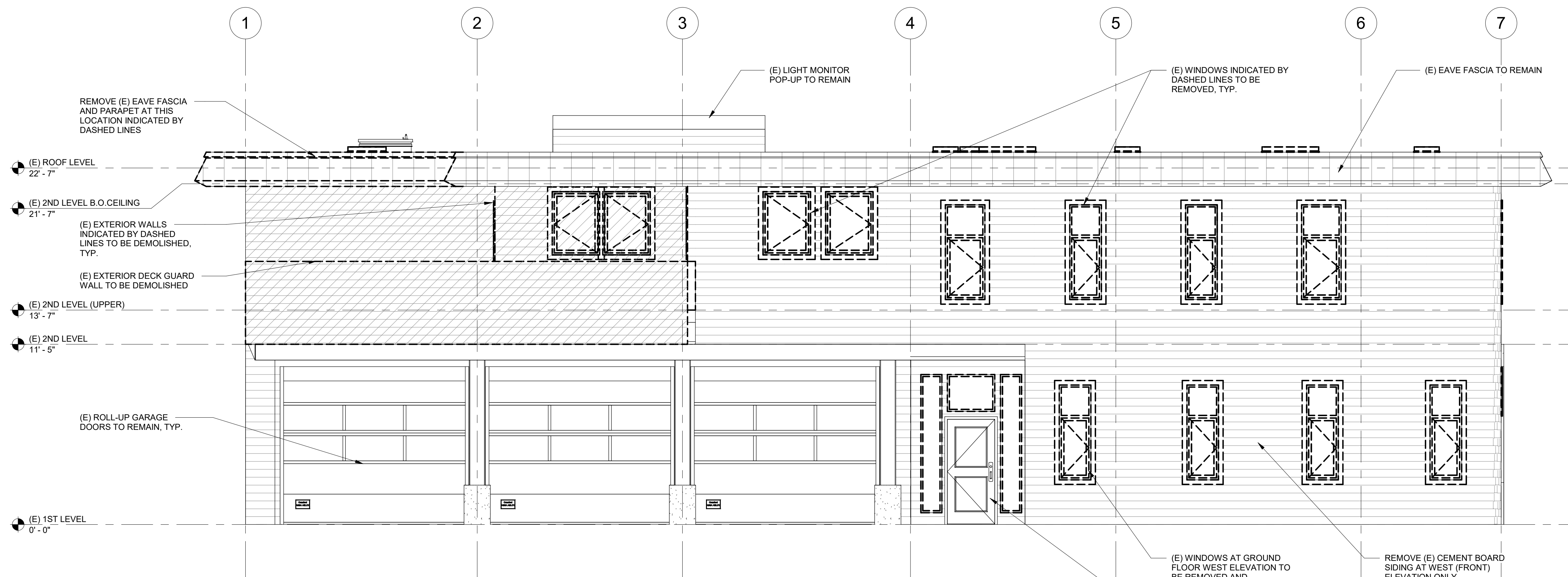
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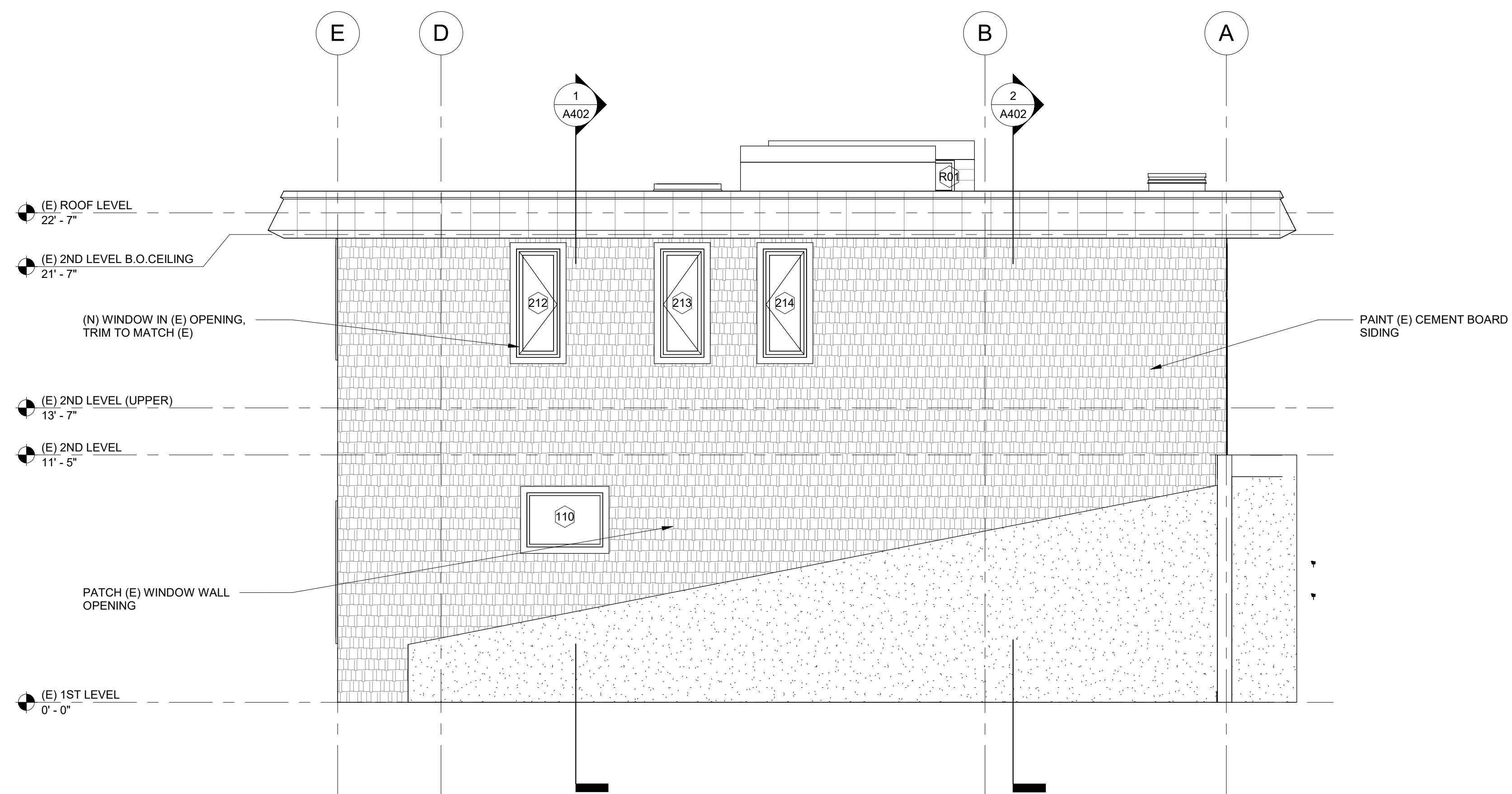
**A301**



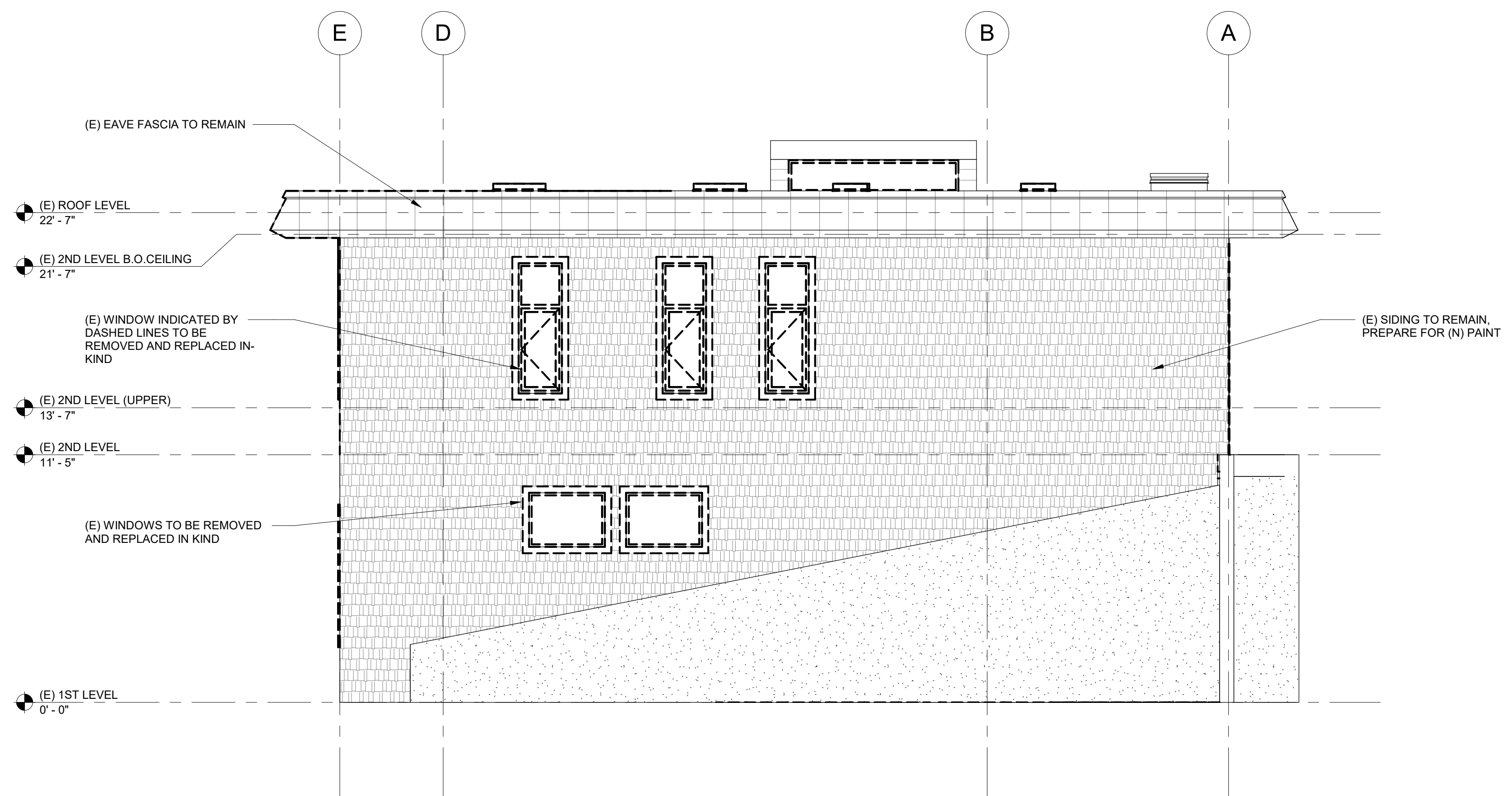
**2 | PROPOSED WEST ELEVATION**  
 SCALE: 1/4" = 1'-0"



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



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



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

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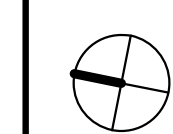
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

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

NO.	DESCRIPTION	DATE
<b>NOT FOR CONSTRUCTION</b>		

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY  
BUILDING

DESCRIPTION  
EXTERIOR ELEVATIONS - SOUTH



**A302**

STAMP

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

PROJECT TEAM

CLIENT: CITY OF KENSINGTON  
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

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

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

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

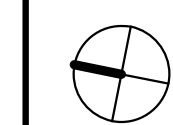
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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SAN FRANCISCO, CA 94103  
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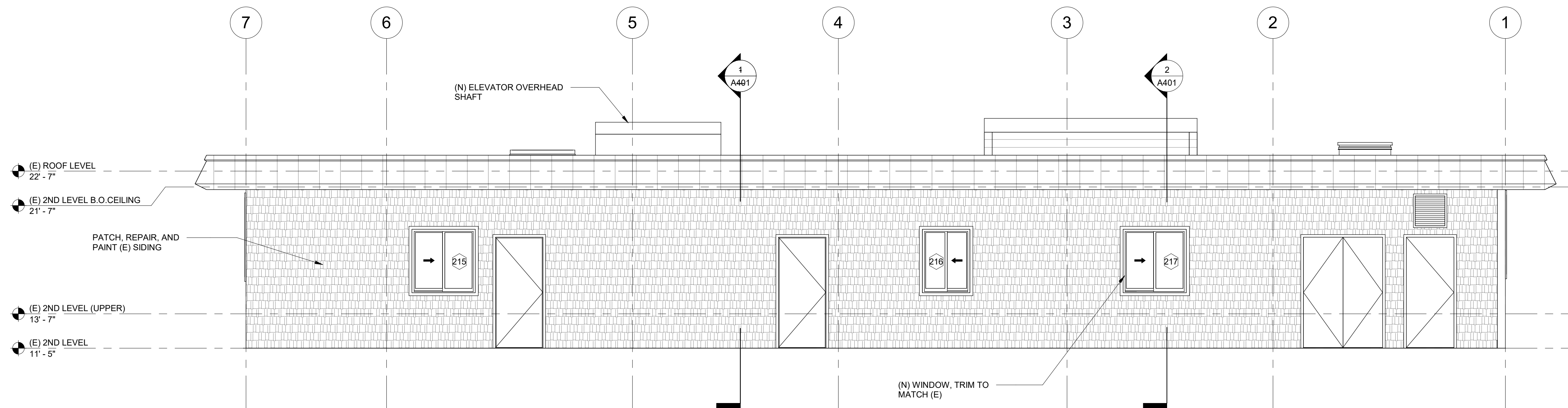
JOB NO.  
**0000 KENSINGTON PUBLIC SAFETY  
BUILDING**

DESCRIPTION  
**EXTERIOR ELEVATIONS - EAST**

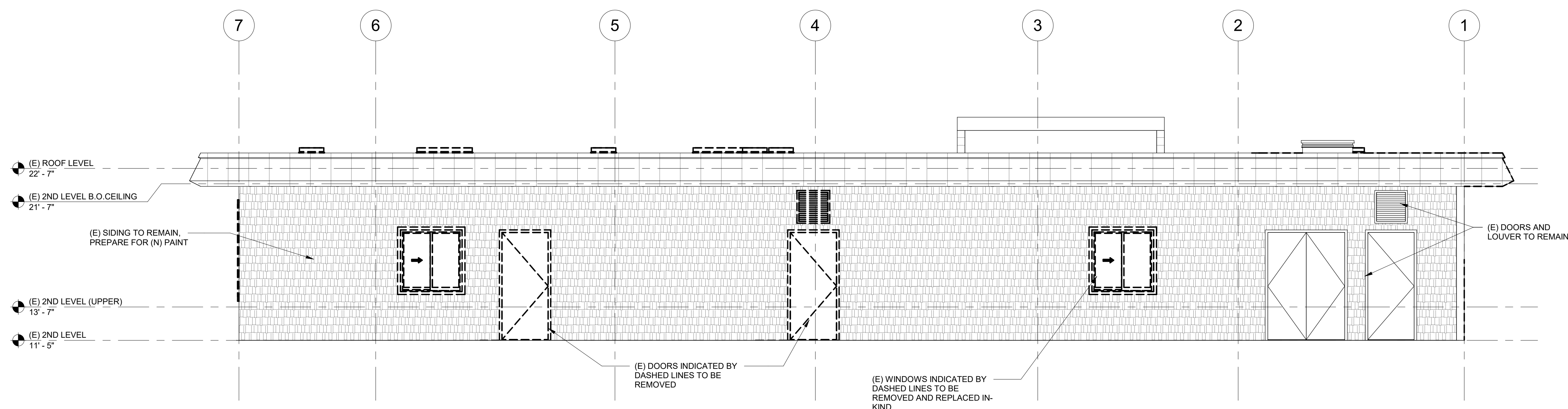


**A303**

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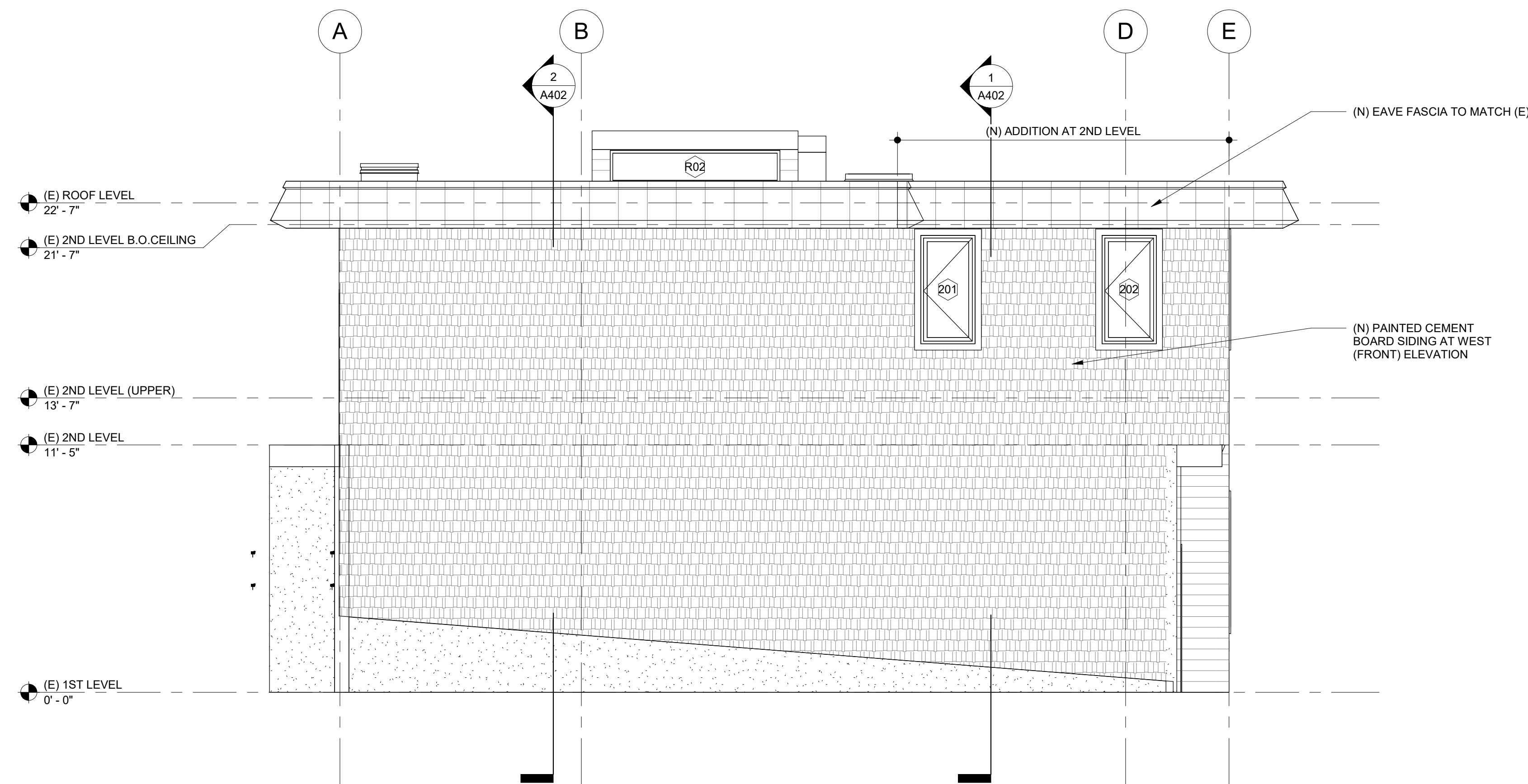
**2 | PROPOSED EAST ELEVATION**  
SCALE: 1/4" = 1'-0"



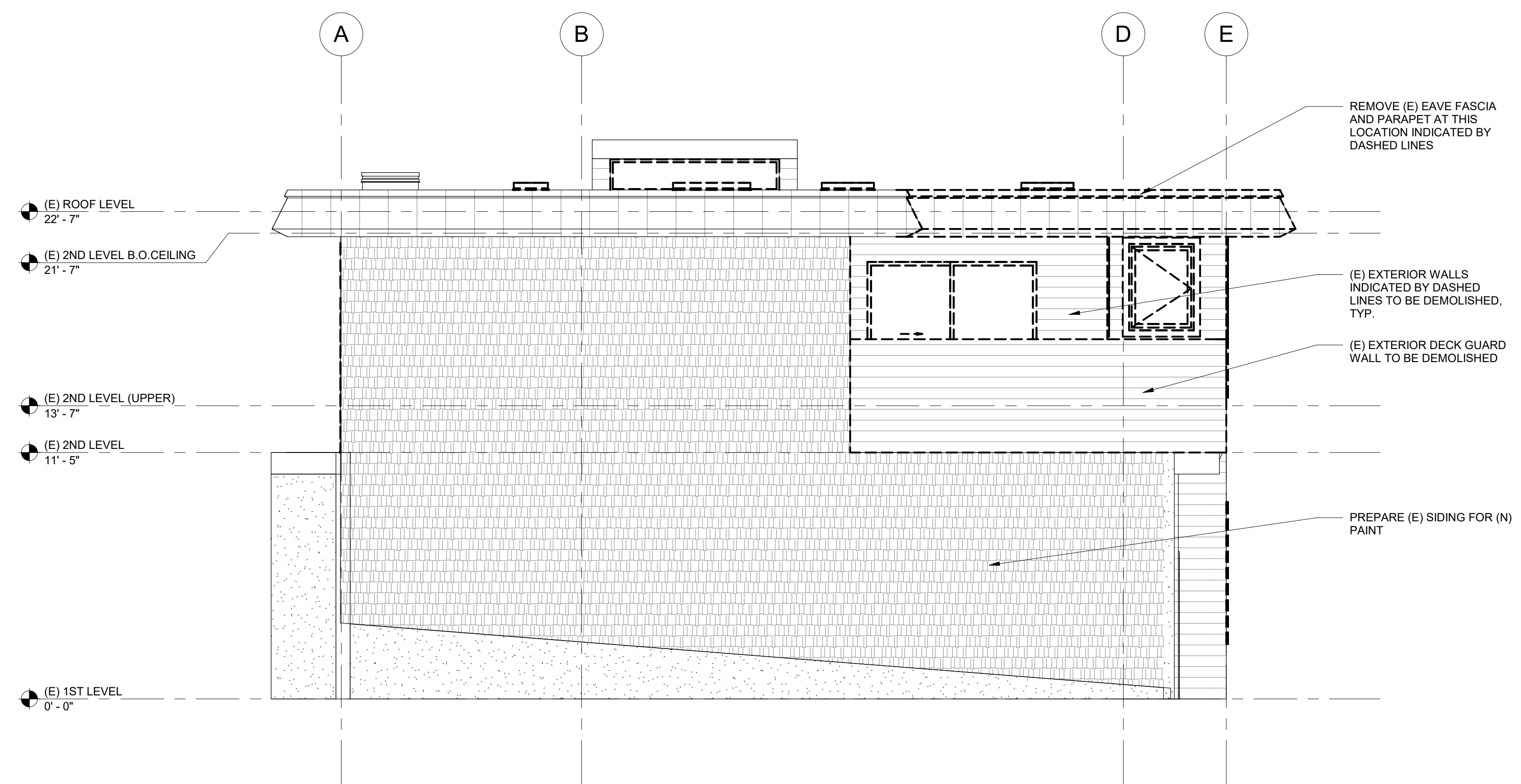
**1 | EXISTING (DEMOLITION) EAST ELEVATION**  
SCALE: 1/4" = 1'-0"

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



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

STAMP

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

PROJECT TEAM

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

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

STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANZ  
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CIVIL: BKF ENGINEERS  
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GEOTECH: HALEY ALDRICH  
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OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
T: (510) 879-4544

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

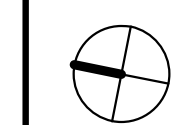
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

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

NO.	DESCRIPTION	DATE
<b>NOT FOR CONSTRUCTION</b>		

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
EXTERIOR ELEVATIONS - NORTH



**A304**

STAMP

PROJECT ADDRESS  
217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: CITY OF KENSINGTON  
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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2 HARRIS CT STE A7  
MONTEREY, CA 93940  
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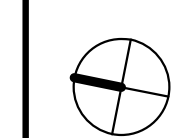
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
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SAN FRANCISCO, CA 94103  
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NO.	DESCRIPTION	DATE
<b>NOT FOR CONSTRUCTION</b>		

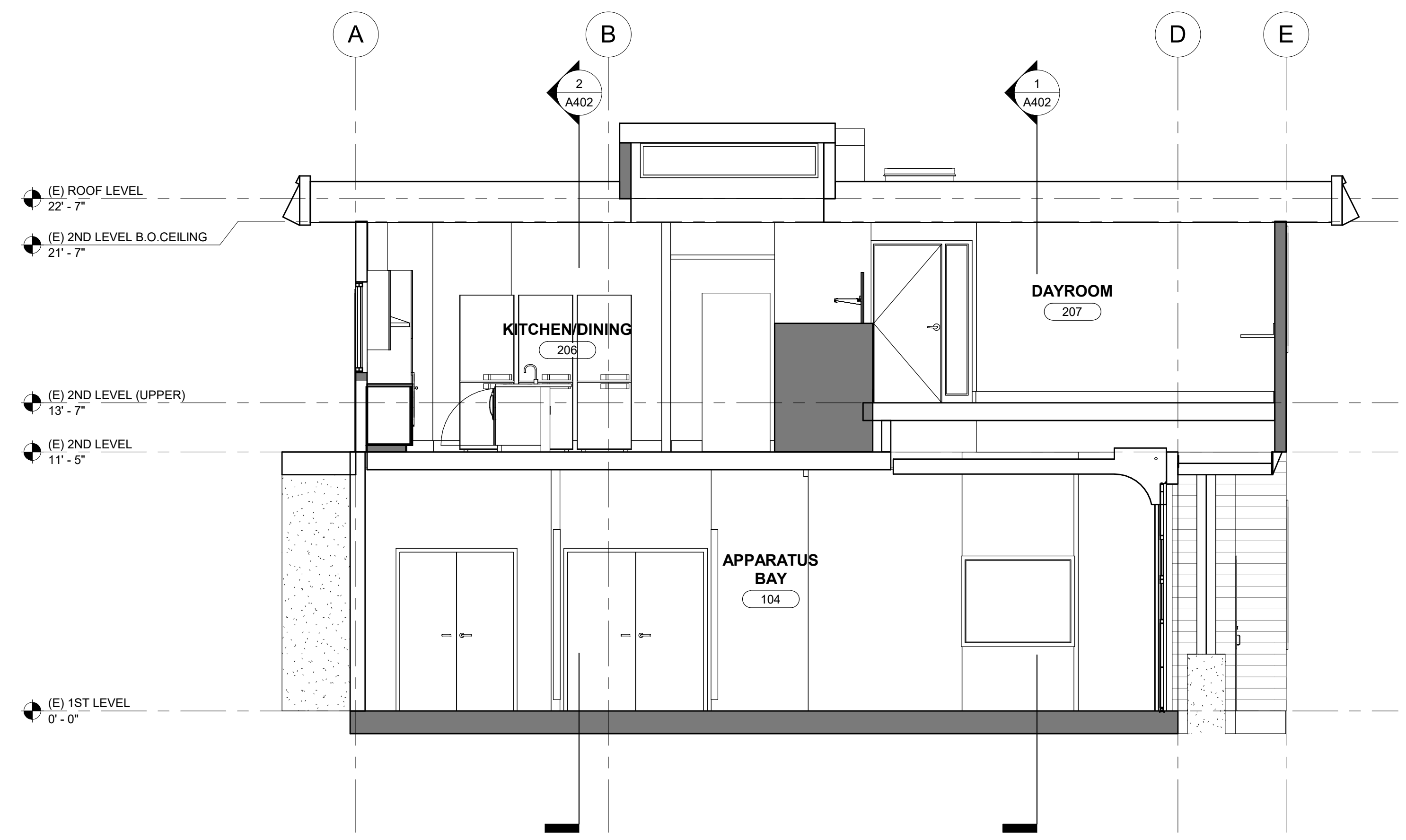
JOB NO.  
0000 KENSINGTON PUBLIC SAFETY  
BUILDING

DESCRIPTION  
BUILDING SECTIONS

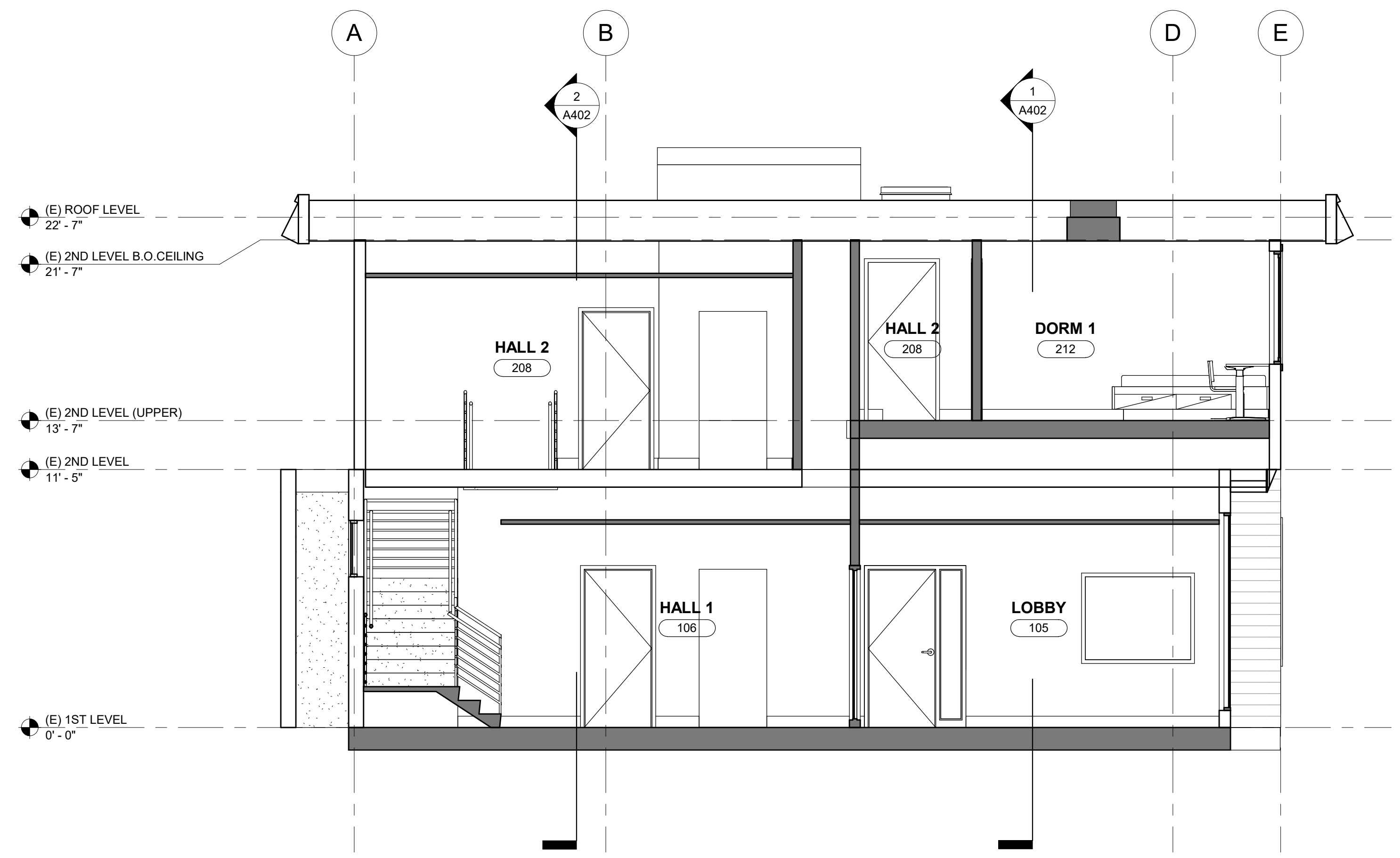


**A401**

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



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

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STAMP

PROJECT ADDRESS  
217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: CITY OF KENSINGTON  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
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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  
T: (650) 394-8869

CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
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1956 WEBSTER ST #300  
OAKLAND, CA 94612  
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MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
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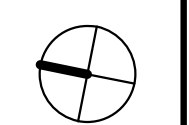
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
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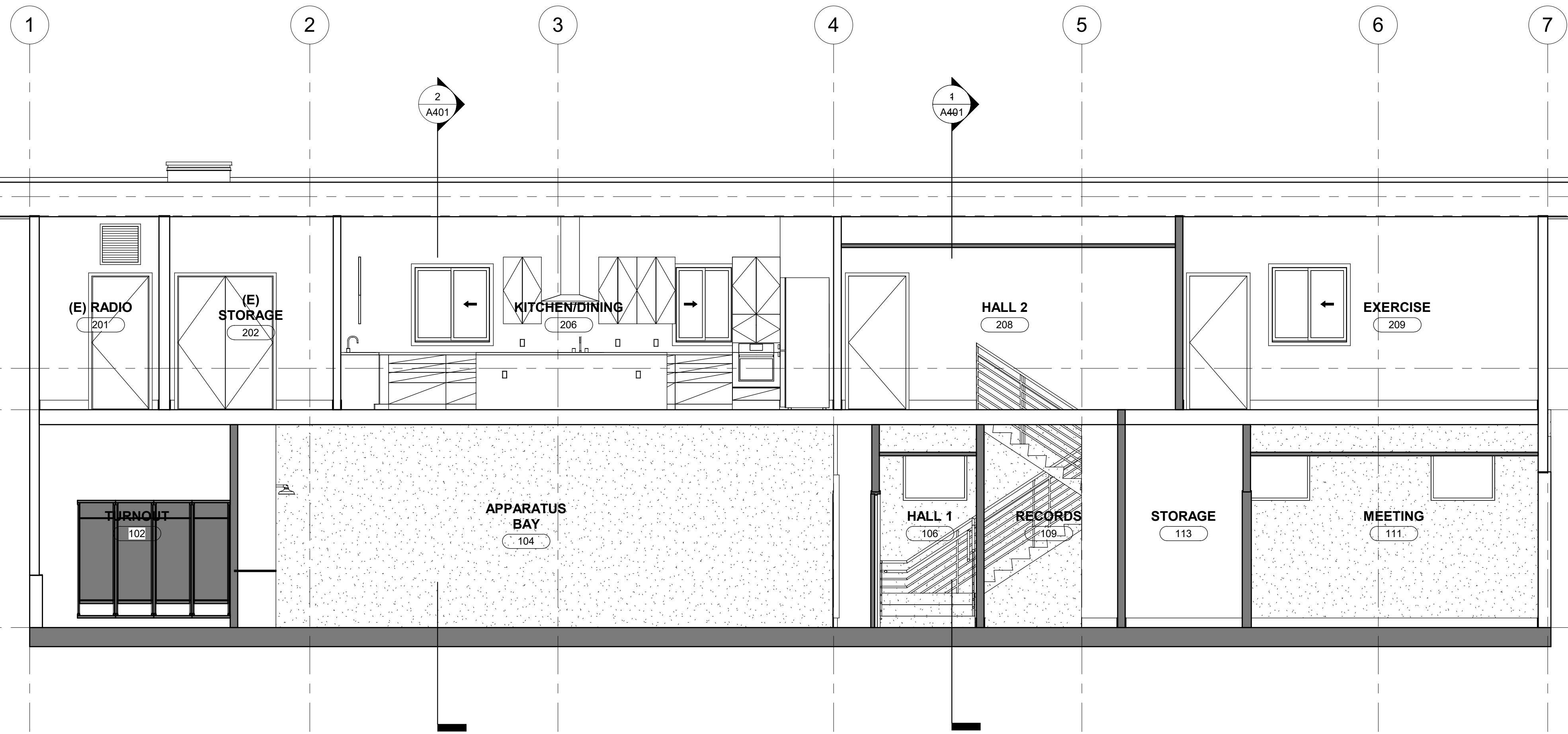
NO.	DESCRIPTION	DATE
<b>NOT FOR CONSTRUCTION</b>		

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY  
BUILDING

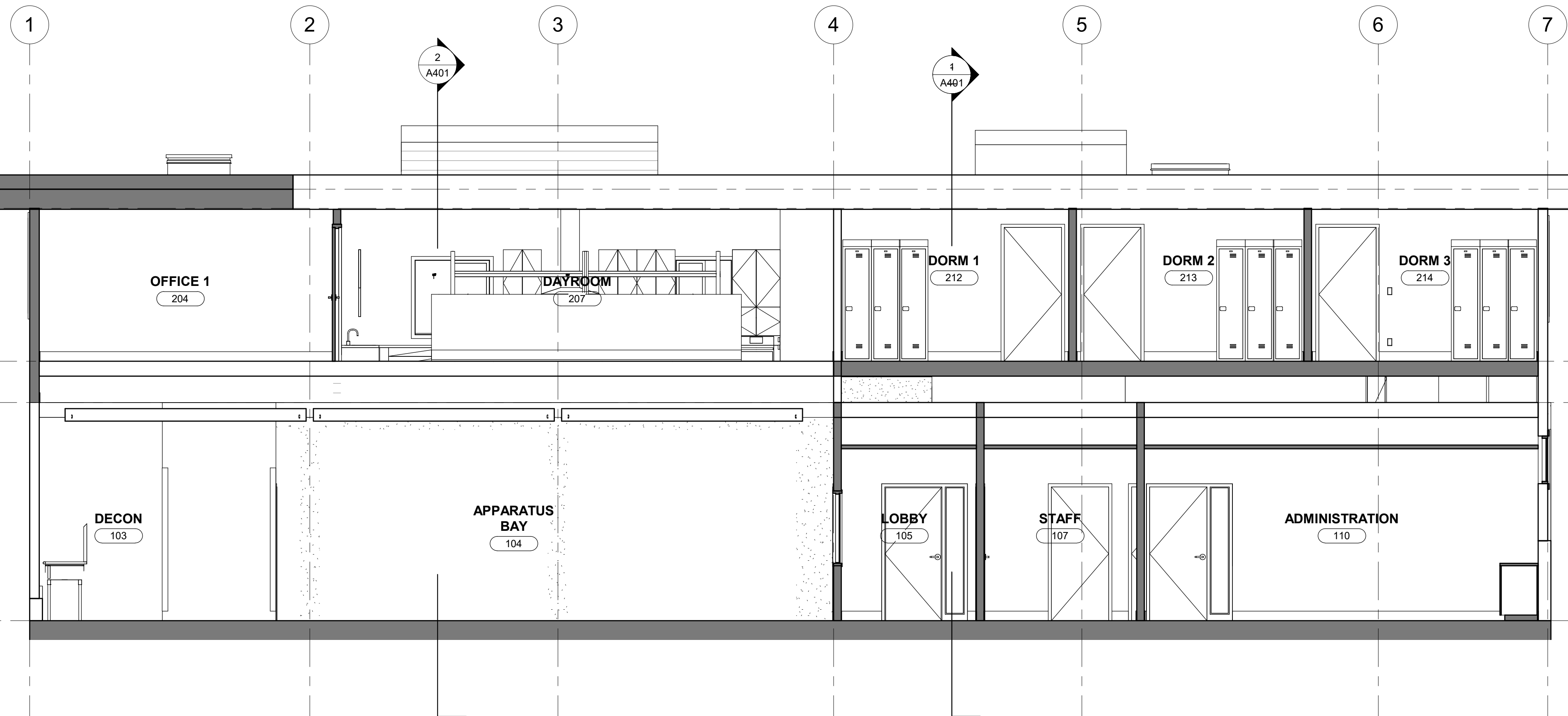
DESCRIPTION  
BUILDING SECTIONS



**A402**



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

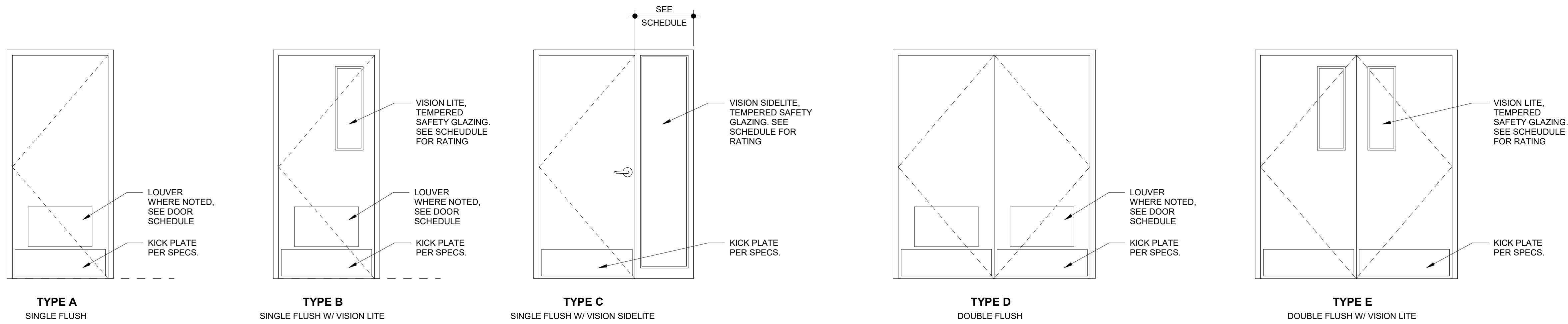


**1** BUILDING SECTION 3  
SCALE: 1/4" = 1'-0"

DOOR TYPICAL NOTES

1. 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.
2. 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.

DOOR NO.	LOCATION	PHASE CREATED	HW SET	FIRE RATING	TYPE	SIZE			DOOR		FRAME		DETAILS		REMARK
						WIDTH	HEIGHT	THICK	MATL	FINISH	MATL	FINISH	HEAD	JAMB	
101A	WORKSHOP	New Construction			D	9'-0"	7'-0"	0'-1 3/4"	HM	PAINTED	HM	PAINTED			
102A	TURNOUT	New Construction			B	9'-0"	7'-0"	0'-1 3/4"	HM	PAINTED	HM	PAINTED			LOUVERED
103A	APPARATUS BAY	New Construction		20 MN	E	9'-0"	7'-0"	0'-1 3/4"	HM	PAINTED	HM	PAINTED			
104B	APPARATUS BAY	Existing				3'-3 1/4"	6'-6 3/4"	0'-1 3/4"							EXISTING ROLL-UP DOOR
104C	APPARATUS BAY	Existing				3'-3 1/4"	6'-6 3/4"	0'-1 3/4"							EXISTING ROLL-UP DOOR
104D	APPARATUS BAY	Existing				3'-3 1/4"	6'-6 3/4"	0'-1 3/4"							EXISTING ROLL-UP DOOR
104E	APPARATUS BAY	New Construction			D	9'-0"	7'-0"	0'-1 3/4"	HM	PAINTED	HM	PAINTED			LOUVERED
105A	LOBBY	Existing				9'-0"	6'-0"	0'-1 3/4"							PAINT AS REQUIRED
106A	HALL 1	New Construction		20 MN	C	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
107A	STAFF	New Construction			C	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
108A	ELEVATOR	New Construction			A	3'-0"	7'-0"	0'-1 3/4"	HM	PAINTED	HM	PAINTED			PER ELEVATOR MANUF. REQUIREMENTS
109A	RECORDS	New Construction			A	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
110A	ADMINISTRATION	New Construction			C	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
111A	MEETINGS 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			A	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
114A	COMPRESSOR	New Construction			D	9'-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				3'-0"	7'-0"	0'-1 3/4"							
202B	ROOF	Existing				3'-0"	11'-0 1/2"	0'-1 3/4"							ROOF HATCH REMOVE DOOR AT (E) OPENING
203A	(E) TELEC	Existing				3'-0"	7'-0"	0'-1 3/4"							
204A	OFFICE 1	New Construction			C	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
205A	CAPTAIN'S OFFICE	New Construction			C	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
206A	HALL 2	New Construction			A	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	EXERCISE	New Construction			B	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
211A	HALL 3	New Construction			C	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
212A	DORM 1	New Construction		20 MN	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
213A	DORM 2	New Construction		20 MN	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
214A	DORM 3	New Construction		20 MN	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
215A	BATH 1	New Construction		20 MN	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
216A	BATH 2	New Construction		20 MN	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
217A	LAUNDRY	New Construction		20 MN	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			
218A	STORAGE	New Construction		20 MN	A	3'-0"	7'-0"	0'-1 3/4"	WOOD	CLEAR COAT	HM	PAINTED			LOUVERED



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

STAMP

PROJECT ADDRESS  
217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: CITY OF KENSINGTON  
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NO.	DESCRIPTION	DATE
<b>NOT FOR CONSTRUCTION</b>		

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
DOOR SCHEDULE

MARK	LOCATION	PHASE CREATED	TYPE	CONSTRUCTION TYPE	OPENING			FINISH	MATERIALS		TRIM	U-FACTOR	COMMENTS
					WIDTH	HEIGHT	SILL HEIGHT		GLAZING				
101	LOBBY	New Construction	EXTERIOR	Window-Fixed	3'-4"	6'-0"	0'-0"	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'-0"	0'-0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND	
104	LOBBY	New Construction	INTERIOR	WINDOW - HM FRAME, W_SINGLE_PANE_10789	4'-0"	3'-0"	3'-0"	PAINTED HM	TEMPERED	NONE			
105	LOBBY	New Construction	INTERIOR	WINDOW - HM FRAME, W_SINGLE_PANE_10789	4'-0"	3'-0"	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	
110	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	Existing	EXTERIOR	Window-Fixed	3'-4"	2'-0"	6'-8"	ALUM.		REPAIR AS REQUIRED		EXISTING TO REMAIN	
112	MEETING	Existing	EXTERIOR	Window-Fixed	3'-4"	2'-0"	6'-8"	ALUM.		REPAIR AS REQUIRED		EXISTING TO REMAIN	
113	HALL 1	Existing	EXTERIOR	Window-Fixed	3'-4"	2'-0"	6'-8"	ALUM.		REPAIR AS REQUIRED		EXISTING TO REMAIN	
201	OFFICE 1	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)			
202	CAPTAINS OFFICE	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)			
203	CAPTAINS OFFICE	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)			
204	CAPTAINS OFFICE	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)			
205	DAYROOM	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)			
206	DAYROOM	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)			
207	DAYROOM	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)			
208	DAYROOM	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)			
209	DORM 1	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)			
210	DORM 2	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND	
211	DORM 3	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND	
212	DORM 3	New Construction	EXTERIOR	Window-Casement-Trim	2'-0"	5'-0"	4'-8"	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'-8"	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'-8"	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'-0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND	
216	KITCHEN/DINING	New Construction	EXTERIOR	Window-Sliding-Double	4'-0"	4'-0"	3'-0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND	
217	KITCHEN/DINING	New Construction	EXTERIOR	Window-Sliding-Double	4'-0"	4'-0"	3'-0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND	
LO1	(E) RADIO	Existing	EXTERIOR	Window-Louver	2'-0"	7'-8"	0'-0"	PAINTED HM		REPAIR AS REQUIRED		EXISTING TO REMAIN	
R01		New Construction	EXTERIOR	Window-Fixed	7'-10"	1'-0"	0'-11"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	NONE		REPLACE EXISTING IN-KIND	
R02		New Construction	EXTERIOR	Window-Fixed	7'-10"	1'-0"	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"	0'-0"	BRONZE ANOD. ALUM.	INSULATED, LOW-E	N/A		CURB MOUNTED FIXED	

**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.

STAMP

**PROJECT ADDRESS**

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

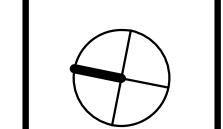
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NO.	DESCRIPTION	DATE
<b>NOT FOR CONSTRUCTION</b>		

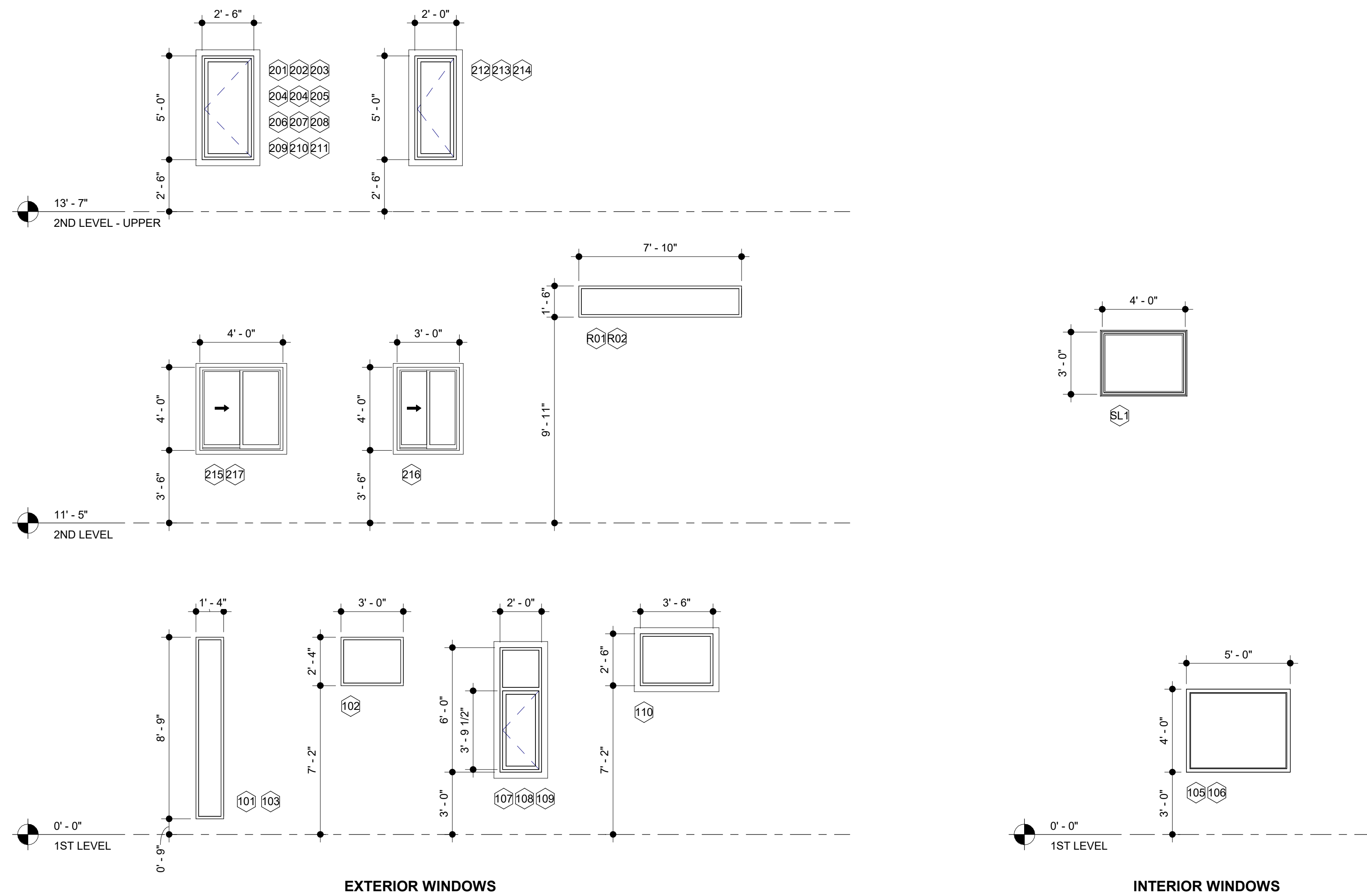
**JOB NO.**  
0000 KENSINGTON PUBLIC SAFETY BUILDING

**DESCRIPTION**  
WINDOW SCHEDULE



**A502**

**WINDOW ELEVATIONS**  
SCALE: 1/4" = 1'-0"



THE DESIGN SHOWN IS BASED ON LOADING FOR RISK CATEGORY 4 ESSENTIAL FACILITY PER THE CEBC (75% NEW BUILDING DESIGN LOADS)

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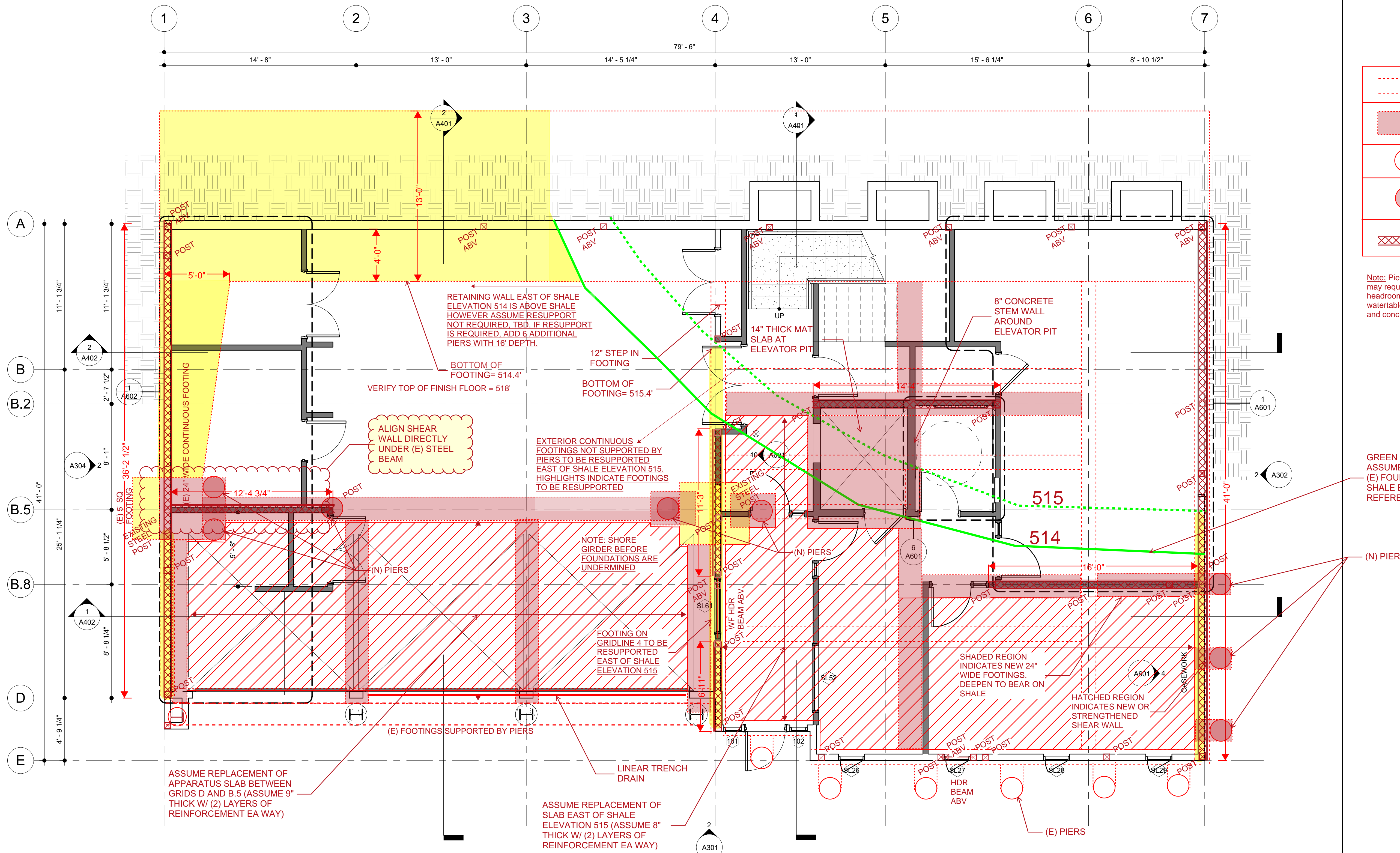
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PLAN LEGEND

	INDICATES EXISTING FOOTING
	INDICATES NEW FOOTING. MINIMUM 24" WIDE FOOTINGS W/ TIED REINFORCING (ASSUME 110LB/CY)
	INDICATES EXISTING PIER
	INDICATES NEW 24" DIAMETER PIER WITH A MINIMUM OF 8' EMBEDMENT INTO SHALE (SEE NOTE B.V.I). ASSUME ALL PIERS USE CLOSELY SPACED SPIRAL TIES WITH 100LB/CY OF REINFORCING STEEL.
	INDICATES NEW OR STRENGTHENED SHEAR WALL

Note: Piers at low headroom conditions (apparatus bay) may require spliced cages and specialized low headroom drilling equipment. Due to height of water table assume drilled piers may need to be cased and concrete installed via the tremie method

GREEN LINE INDICATES ASSUMED LOCATED WHERE (E) FOUNDATION BEARS ON SHALE BELOW, FOR REFERENCE ONLY



SHADED REGION INDICATES NEW 24" WIDE FOOTINGS. DEEPEN TO BEAR ON SHALE

HATCHED REGION INDICATES NEW OR STRENGTHENED SHEAR WALL

WALL LEGEND

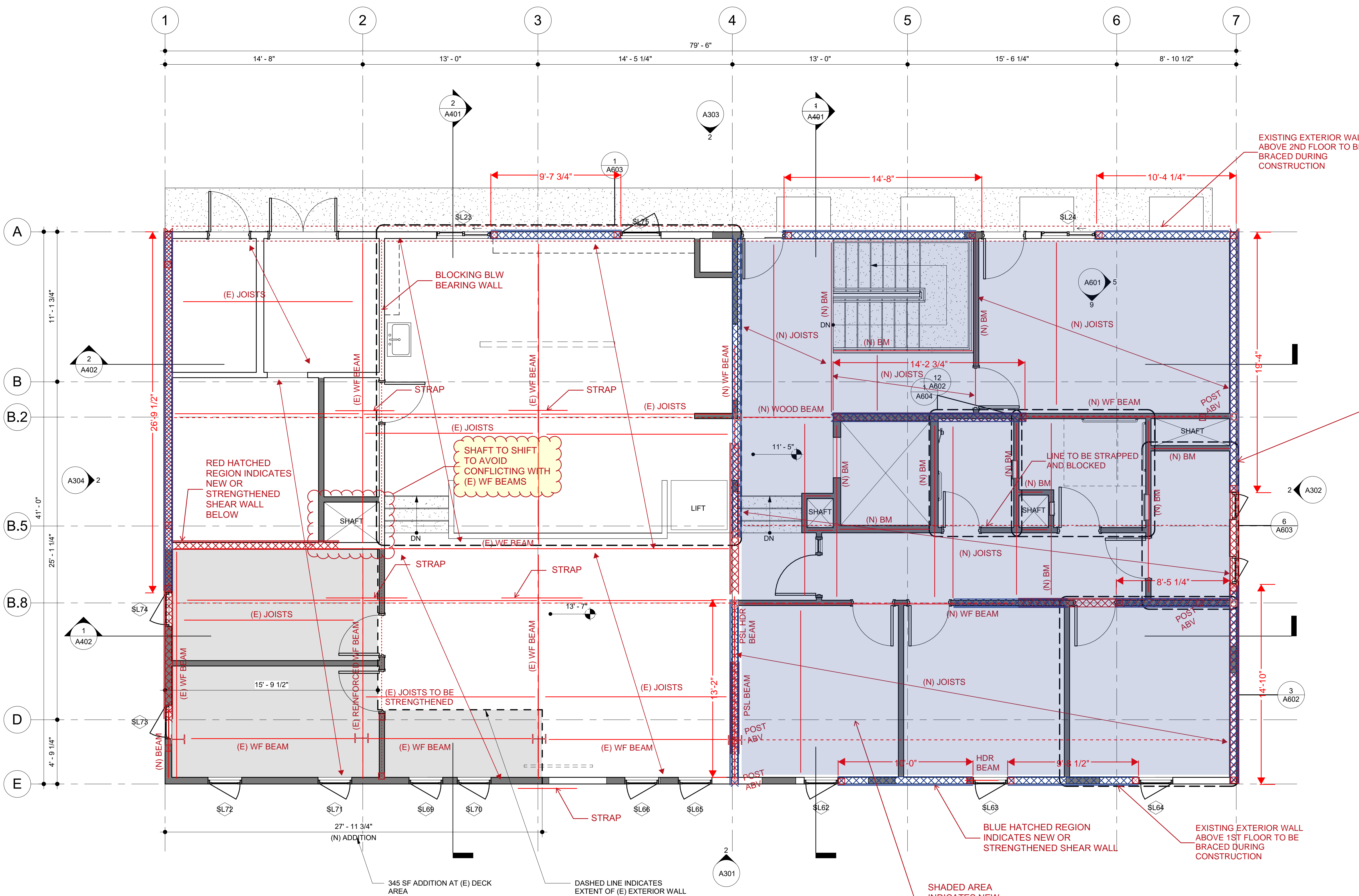
	EXISTING WALL
	EXISTING WALL TO BE DEMOLISHED
	PROPOSED WALL
	PROPOSED 1-HR RATED WALL
	PROPOSED 1/2-HR RATED WALL
	AREA TO BE DEMOLISHED

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

NO.	DESCRIPTION	DATE

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
PROPOSED GROUND FLOOR PLAN



**PLAN LEGEND**

	INDICATES WOOD POST
	INDICATES STEEL POST
	INDICATES NEW OR STRENGTHENED SHEAR WALL
	INDICATES NEW OR STRENGTHENED SHEAR WALL BLW

EXISTING EXTERIOR WALL ABOVE 2ND FLOOR TO BE BRACED DURING CONSTRUCTION

EXISTING EXTERIOR WALL ABOVE 1ST FLOOR TO BE BRACED DURING CONSTRUCTION

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NO.	DESCRIPTION	DATE

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

**WALL LEGEND**

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

JOB NO.  
 0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
 PROPOSED SECOND FLOOR PLAN

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KENSINGTON, CA 94707

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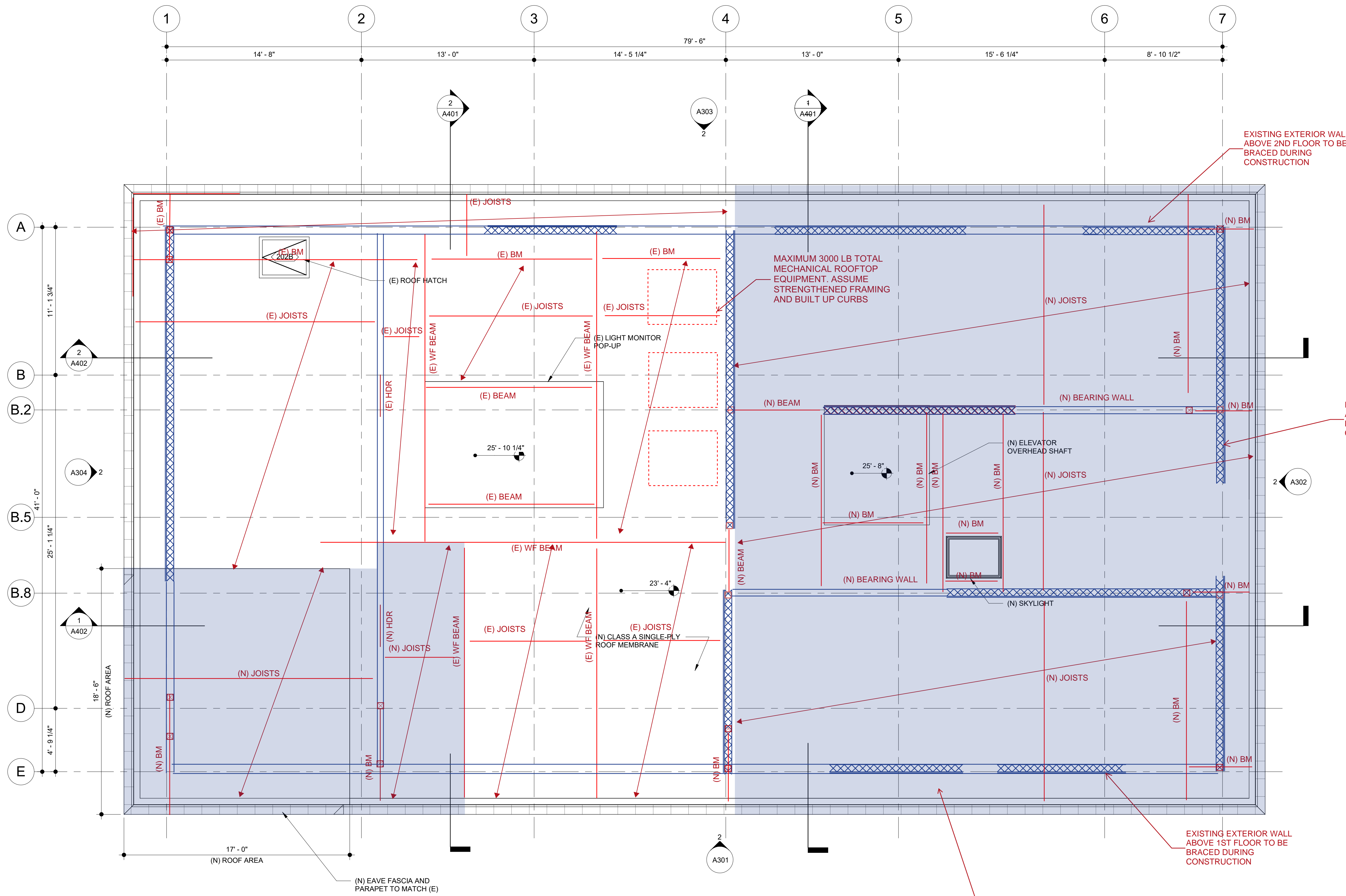
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**PLAN LEGEND**

	INDICATES WOOD POST
	INDICATES STEEL POST
	INDICATES NEW OR STRENGTHENED SHEAR WALL BLW



EXISTING EXTERIOR WALL ABOVE 1ST FLOOR TO BE BRACED DURING CONSTRUCTION

EXISTING EXTERIOR WALL ABOVE 2ND FLOOR TO BE BRACED DURING CONSTRUCTION

EXISTING EXTERIOR WALL ABOVE 1ST FLOOR TO BE BRACED DURING CONSTRUCTION

SHADED AREA INDICATES NEW FRAMING, TYP

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

**WALL LEGEND**

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

NO.	DESCRIPTION	DATE

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
PROPOSED ROOF PLAN

S208





LOUVER SCHEDULE									
CODE	LOCATION	HEIGHT	WIDTH	CFM	PRESS. DROP	WT	PIN	MFG.	REMARKS

### SYMBOLS & ABBREVIATIONS (MECHANICAL)

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

### GENERAL MECHANICAL NOTES

- 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.
- LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES ARE DETAILED ON THE ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM ELEVATIONS.
- LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT SUPPORTS ARE DETAILED ON THE STRUCTURAL AND ARCHITECTURAL PLANS.
- PLATFORMS, CURBS AND FLASHING FOR EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS. COORDINATE THE EXACT SIZES OF REQUIRED OPENINGS AND SUPPORT FOR THE FURNISHED EQUIPMENT.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH THE APPLICABLE SMACNA STANDARDS.
- 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.
- MANUAL DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES AND REGISTERS.
- ALL EQUIPMENT, DUCTS, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
- PIPES AND DUCTWORK SHALL BE SUPPORTED AND BRACED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS."
- EXPOSED PIPING ALLOWED ONLY WHERE INDICATED. PROVIDE ESCUTCHEONS IN FINISHED AREAS.
- PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR EQUIPMENT PROVIDED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EQUIPMENT.
- PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED BY AN APPROVED MATERIAL AS PRESCRIBED IN CBC SECTION 714.
- REFER TO STRUCTURAL DRAWING FOR LOCATIONS OF BEAMS, SHEAR WALLS AND MEMBERS. ALL DRILLING OF STRUCTURAL BEAMS AND MEMBERS TO BE COORDINATED WITH THE STRUCTURAL ENGINEER. ALL HOLES SHALL BE MINIMUM SIZE AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO DRILLING.
- FIELD VERIFY LOCATION AND SIZE OF ALL EXISTING PIPING, DUCTWORK AND EQUIPMENT PRIOR TO FABRICATION OF ANY NEW WORK.
- 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.
- 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.
- 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 16131615 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.
- 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.
- DUCTWORK VISIBLE THROUGH DIFFUSERS AND REGISTERS SHALL BE PAINTED FLAT BLACK.
- INSULATION MATERIAL SHALL MEET THE STATE QUALITY STANDARD PER SECTION 120.4 OF THE 2019 CALIFORNIA ENERGY CODE (CEC).
- DOORS AND WINDOWS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 118 CEC.
- ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTION 120.3 AND TABLE 120.3-A.
- ALL HVAC SYSTEMS SHALL MEET THE CONTROL REQUIREMENTS PER SECTIONS 112 AND 122 CEC.
- ALL HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE REQUIREMENTS OF SECTIONS 111-113, 115, AND 120-129 CEC.
- MC SHALL PROVIDE CONCRETE INSERTS FOR HANGING EQUIPMENT, COORD. W. GC.

**MARJANG**  
ARCHITECTURE

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CONTRACTOR:

STRUCTURAL:

CIVIL:

GEOTECH:

SEPTIC:

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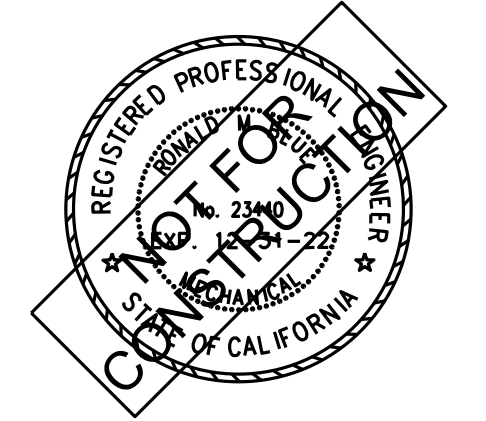
JOB NO. **0000** **KENSINGTON PUBLIC SAFETY BUILDING**

DESCRIPTION **MECHANICAL - TITLE SHEET**

**M001**



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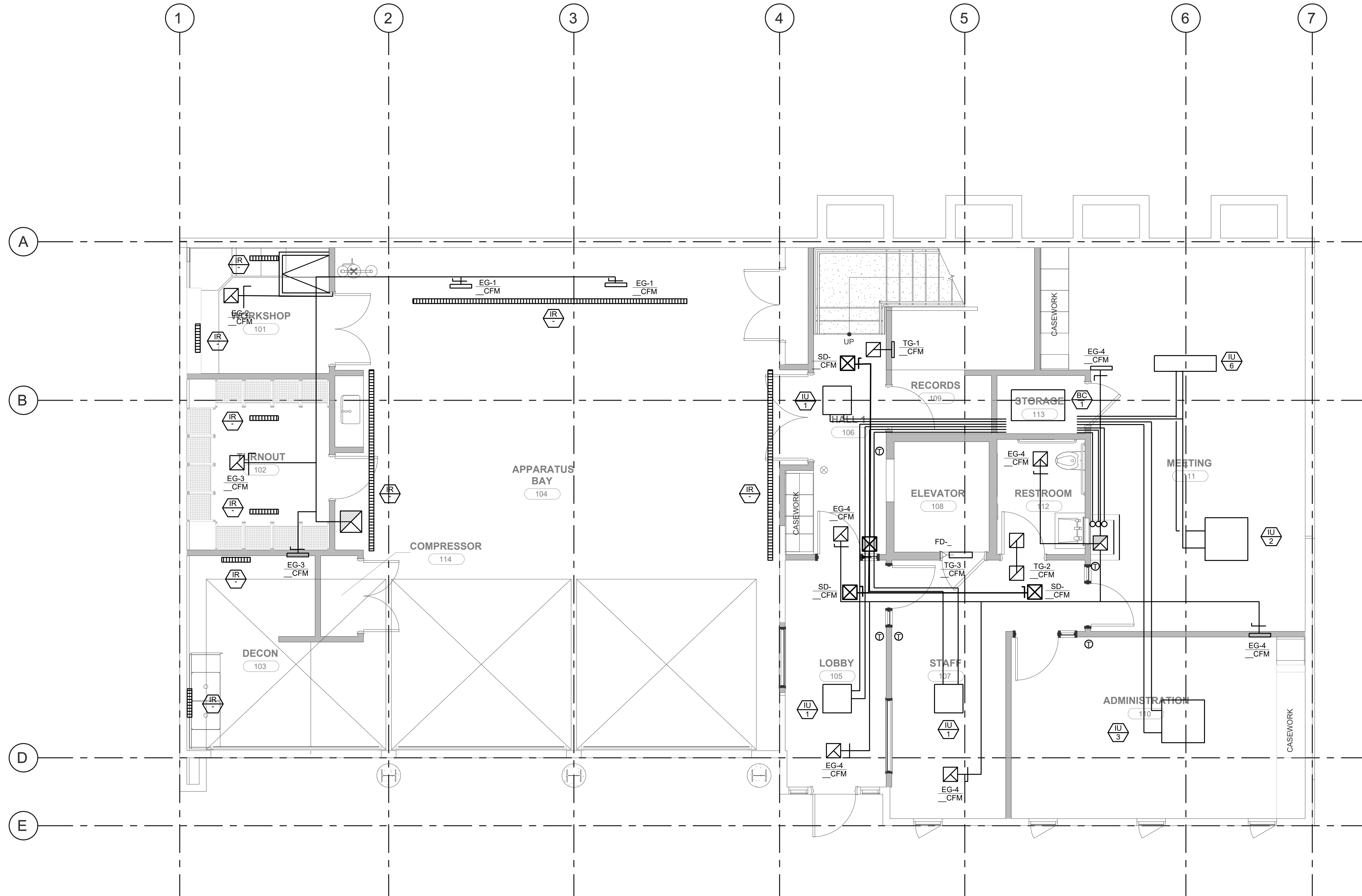


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KENSINGTON, CA, 94707

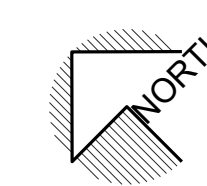
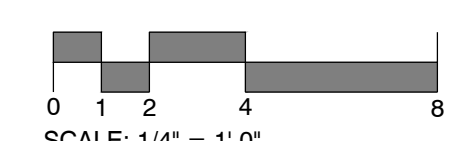
PROJECT TEAM  
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LANDSCAPE:  
CONTRACTOR:  
STRUCTURAL:  
CIVIL:  
GEOTECH:  
SEPTIC:

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1 GROUND FLOOR PLAN  
M201 SCALE: 1/4" = 1'-0"

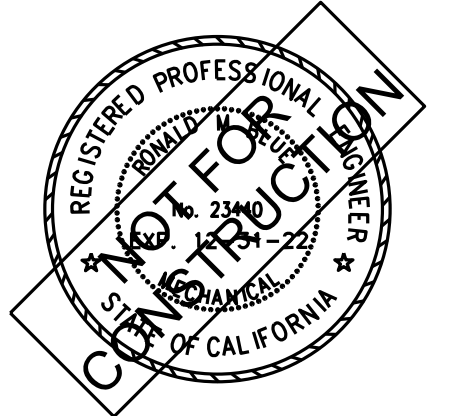


JOB NO. 0000 KENSINGTON  
PUBLIC SAFETY  
BUILDING

DESCRIPTION  
MECHANICAL -  
GROUND FLOOR  
PLAN

M201

STAMP



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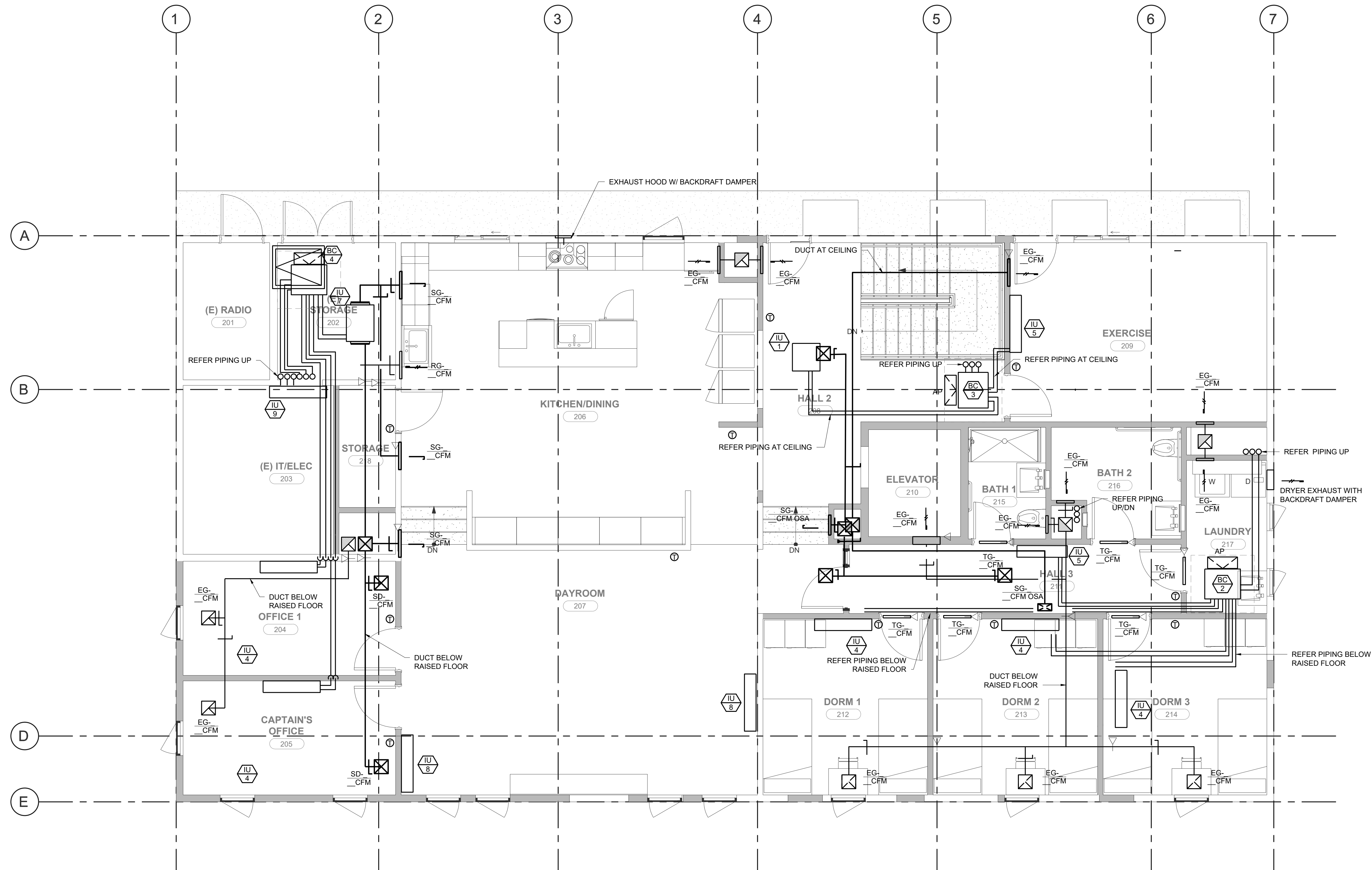
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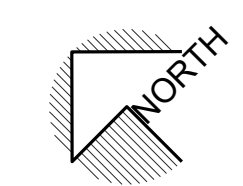
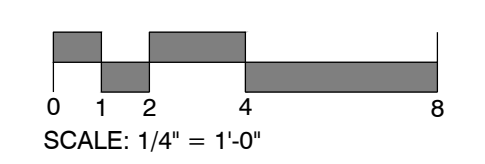
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1 SECOND FLOOR PLAN  
M202 SCALE: 1/4" = 1'-0"



JOB NO. 0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
MECHANICAL - SECOND FLOOR PLAN

STAMP



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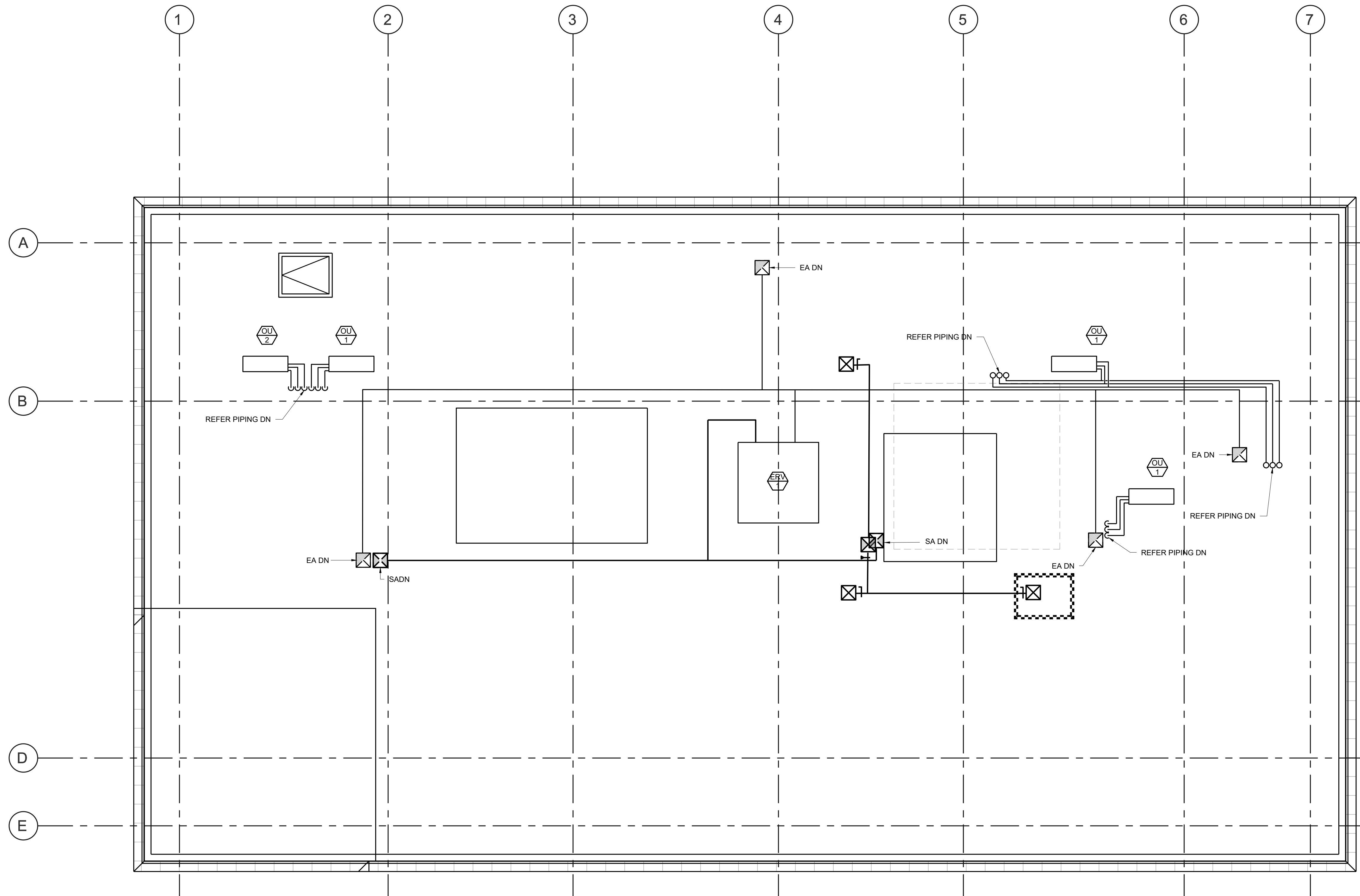
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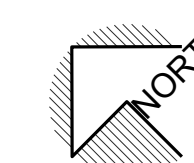
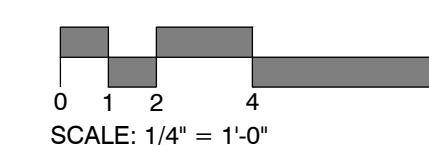
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1 ROOF PLAN  
M203 SCALE: 1/4" = 1'-0"



JOB NO. 0000 KENSINGTON  
PUBLIC SAFETY  
BUILDING

DESCRIPTION  
MECHANICAL -  
ROOF  
DEMOLITION PLAN

**M203**

WATER HEATER SCHEDULE												
CODE	LOCATION	SERVICE	GAS MBH INPUT	TANK CAPACITY	GPH @ 100 F RISE	ELECTRICAL		WEIGHT (LBS)	HEIGHT (IN)	PART NO	MFG	REMARKS
						AMP	VOLT	PH				
WH-1	STORAGE	DHW										

PUMP SCHEDULE																
CODE	LOCATION	SERVICE	GPM	FT. HD.	CONN. SIZE	PUMP RPM	MIN % EFF	MOTOR DATA				WT LBS	P/N	MFG.	REMARKS	
								H.P.	RPM	VOLT	PH	HZ				
CP-1	ADJACENT TO WATER HEATER	DHWR														

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

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

- NOTE:
- DO NOT PUT SHUT-OFF VALVE BETWEEN WATER IN AND EXPANSION TANK.
  - PROVIDE AND INSTALL UNION ON INLET TO ET-1.

WATER FIXTURE UNIT CALCULATION (SFU) - NEW					
QTY.	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	

WASTE FIXTURE UNIT CALCULATIONS (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	

WATER PIPING SIZING CALCULATION	
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"

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

### SYMBOLS & ABBREVIATIONS (PLUMBING)

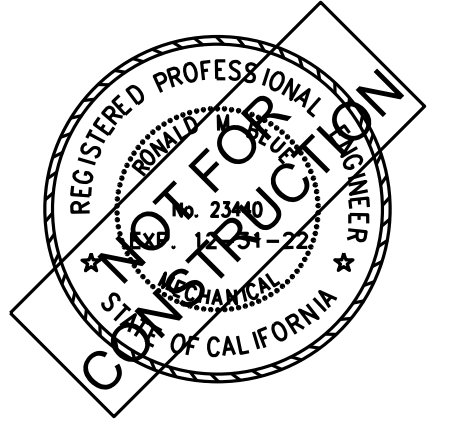
	BALANCING COCK	ABV.CLG.	ABOVE CEILING
	BALL VALVE	AFCD	ACID FLOOR CLEANOUT
	CAP	AFD	ACID RESISTANT FLOOR DRAIN
	CHECK VALVE	AFV	ACID VENT
	CLEANOUT	AGCO	ACID GRADE CLEANOUT
	COMPRESSED AIR PIPING (E)	AP	ACCESS PANEL
	DEIONIZED WATER (EXISTING)	AV	ACID VENT
	DOMESTIC COLD WATER (EXISTING)	AVTR	ACID VENT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

### GENERAL PLUMBING NOTES

- ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING THE 2019 CALIFORNIA ENERGY CONSERVATION STANDARDS OF TITLE 24.
- LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT SUPPORTS ARE DETAILED ON THE STRUCTURAL AND ARCHITECTURAL PLANS.
- PLATFORMS, CURBS AND FLASHING FOR EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS. COORDINATE THE EXACT SIZES OF REQUIRED OPENINGS AND SUPPORT FOR THE FURNISHED EQUIPMENT.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- ALL EQUIPMENT, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
- PIPES SHALL BE SUPPORTED AND BRACED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS."
- COORDINATE PLUMBING SYSTEMS WITH WORK OF OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- EXPOSED PIPING ALLOWED ONLY WHERE INDICATED. PROVIDE ESCUTCHEONS IN FINISHED AREAS.
- MAINTENANCE LABEL SHALL BE AFFIXED TO ALL PLUMBING EQUIPMENT.
- PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR EQUIPMENT PROVIDED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EQUIPMENT.
- PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED BY AN APPROVED MATERIAL AS PRESCRIBED IN CBC SECTION 714.
- REFER TO STRUCTURAL DRAWING FOR LOCATIONS OF BEAMS, SHEAR WALLS AND MEMBERS. ALL DRILLING OF STRUCTURAL BEAMS AND MEMBERS TO BE COORDINATED WITH THE STRUCTURAL ENGINEER. ALL HOLES SHALL BE MINIMUM SIZE AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO DRILLING.
- FIELD VERIFY LOCATION AND SIZE OF ALL EXISTING PIPING, DUCTWORK AND EQUIPMENT PRIOR TO FABRICATION OF ANY NEW WORK.
- ALL WATER CLOSETS CONTROLS SHALL BE ON THE SIDE OF THE FIXTURE AWAY FROM THE WALL.
- ALL FAUCET CONTROLS SHALL BE OPERABLE WITH THE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.
- PC SHALL PROVIDE CONCRETE INSERTS FOR HANGING PLUMBING EQUIPMENT, COORD. W/ GC.

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ARCHITECTURE

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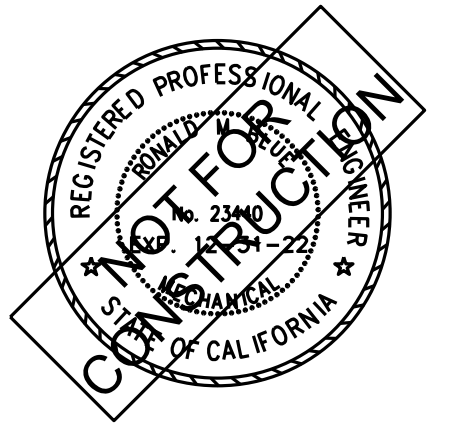
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JOB NO. 0000 KENSINGTON  
PUBLIC SAFETY  
BUILDING

DESCRIPTION  
PLUMBING -  
TITLE SHEET

P001

STAMP



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PLUMBING FIXTURE/EQUIPMENT CONNECTION SCHEDULE													
CODE	DESCRIPTION	ACCESSIBLE	MOUNTING TYPE			GOOSENECK SPOUT	MIN. ROUGH-IN CONN (IN)					LOCATION	REMARKS
			FLOOR	COUNTER TOP	WALL		W	V	CW	HW	NPW		
WC-1	WATER CLOSET	ADA	*	-	-	-	4	2	1/2	-	-	BATHROOM	1.28 GPF, VANDAL RESISTANT
SH-1	SHOWER	ADA	*	-	-	-	-	-	1/2	1/2	-	BATHROOM	1.8 GPM @ 80PSI, VANDAL RESISTANT
L-1	LAVATORY	ADA	-	-	*	-	2	1 1/2	1/2	1/2	-	BATHROOM	0.50 GPM, VANDAL RESISTANT
SK-1	KITCHEN SINK	-	*	-	-	-	2	1 1/2	1/2	1/2	-		
SK-2	KITCHEN SINK	-	-	*	-	-	2	1 1/2	1/2	1/2	-		
SK-3	LAUNDRY SINK	-	-	-	*	-	2	1 1/2	1/2	1/2	-		
CW-1	CLOTHES WASHER	-	*	-	-	-	2	1 1/2	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	EMERGENCY SHOWER	-	-	-	*	-	-	-	1-1/4"	1-1/4"	-		VACUUM BREAKER
SOI-1	SAND & OIL INTERCEPTOR	-	-	-	-	-	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 & DOMESTIC HOT WATER RETURN	ABOVE GROUND	ALL	TYPE "L" COPPER HARD	WROT SOLDER	95-5 SOLDER	2
NATURAL FUEL GAS	ALL	2-1/2" & LARGER	STD. WT. BLACK STEEL	FORGED SEAMLESS WELD	WELDED	PER CODE
	ALL	2" & SMALLER	STD. WT. BLACK STEEL	150 LB. BLACK MALLEABLE	SCREWED	PER CODE

- NOTES:  
1. 10' HEAD OF WATER COLUMN ABOVE LOWEST NEW CONNECTION WITH NO LOSS OF WATER FOR TWO HOURS.  
2. 200 PSI WATER PRESSURE FOR TWO HOURS.

INSULATION SCHEDULE										
SYSTEM TYPE	FLUID TEMP RANGE (°F)	PIPE SIZE					INSULATION TYPE	COVER ON JACKET TYPE	FITTING INSULATION TYPE	FITTING JACKET TYPE
		<1"	1 1/4"-2"	2 1/2"-4"	5"-6"	6">				
HEATING HOT WATER DOMESTIC	105-140	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1	1	2	4
DOMESTIC COLD WATER	N/A	1/2"	1/2"	1/2"	1"	1"	1 OR 6	1	2 OR 6	4
REFRIGERANT SUCTION	N/A			1/2"			3	5	3	3
EXTERNAL DUCT WRAP	N/A			1 1/2"			2	N/A	N/A	N/A

- TYPE:  
1. GLASS FIBER WITH PREFORMED PIPE INSULATION WITH STANDARD JACKET.  
2. GLASS FIBER BLANKET INSULATION WITH VAPOR BARRIER R4.2 MIN.  
3. FLEXIBLE ELASTOMETRIC CELLULAR INSULATION (I.E "ARMSTRONG ARNAFLEX")  
4. CELLULAR GLASS FORMED PIPE INSULATION.  
5. ALUMINUM JACKET.  
6. POLYETHYLENE POLYPROPYLENE.

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

JOB NO. 0000  
KENSINGTON  
PUBLIC SAFETY  
BUILDING

DESCRIPTION  
PLUMBING -  
SCHEDULE

P002

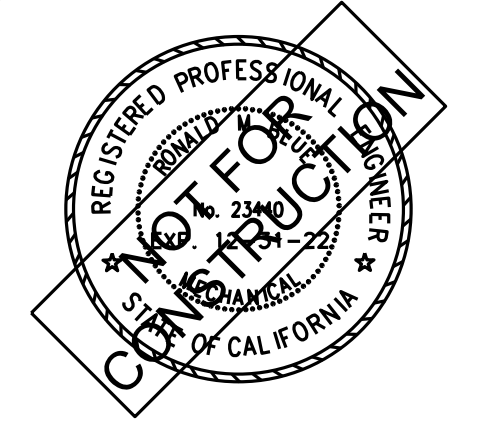


**SHEET NOTES**

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.

**MARJANG  
ARCHITECTURE**

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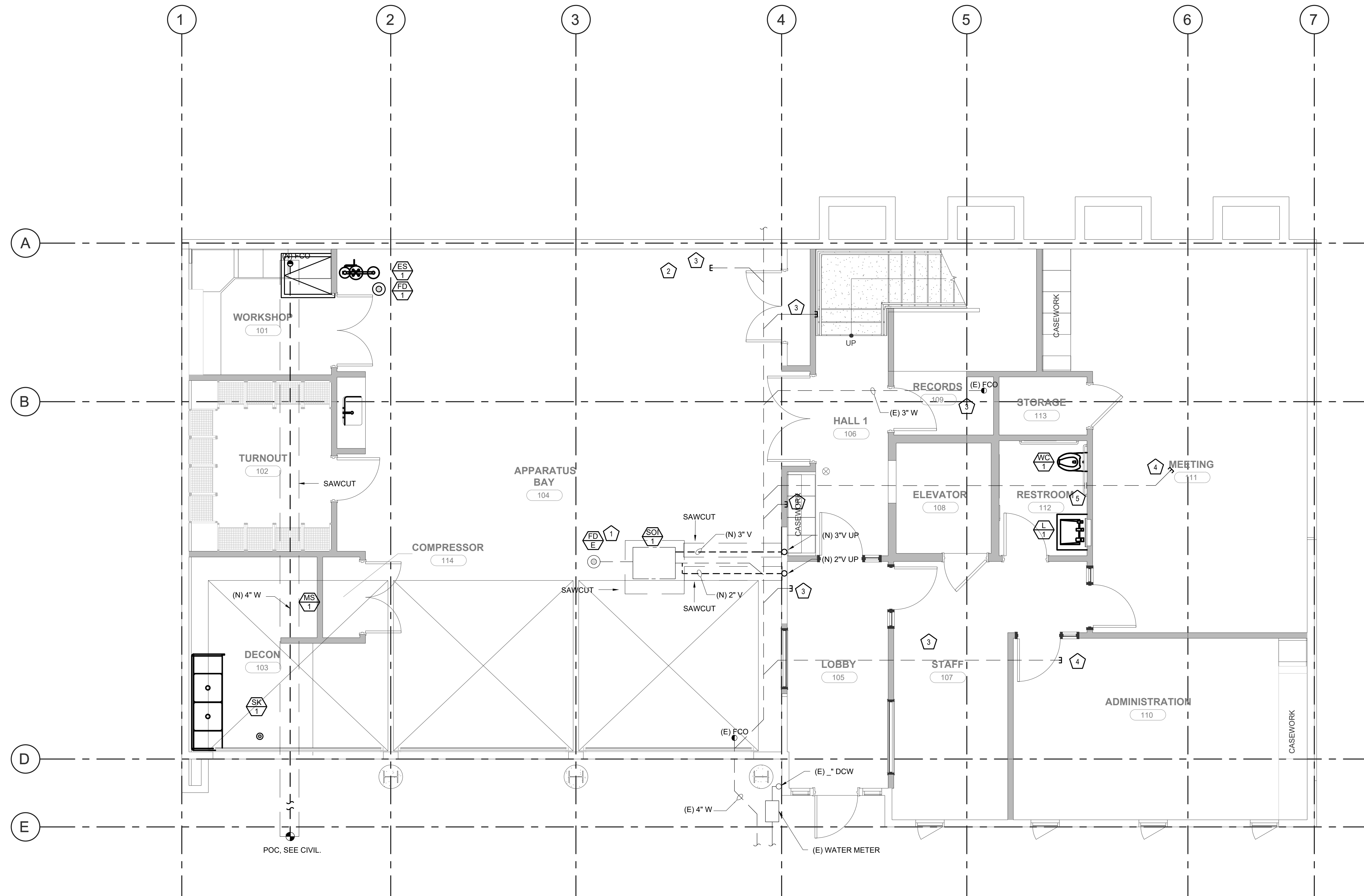
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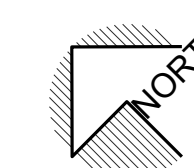
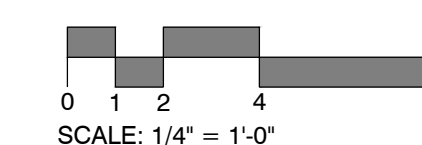
GEOTECH:

SEPTIC:

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



JOB NO. 0000 KENSINGTON  
PUBLIC SAFETY  
BUILDING

DESCRIPTION  
PLUMBING -  
GROUND FLOOR  
PLAN

**P201**

**SHEET NOTES**

1. REMOVE (E) FIXTURES AND PIPING COMPLETE.

**MARJANG  
ARCHITECTURE**

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE.  
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PROJECT TEAM

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LANDSCAPE:

CONTRACTOR:

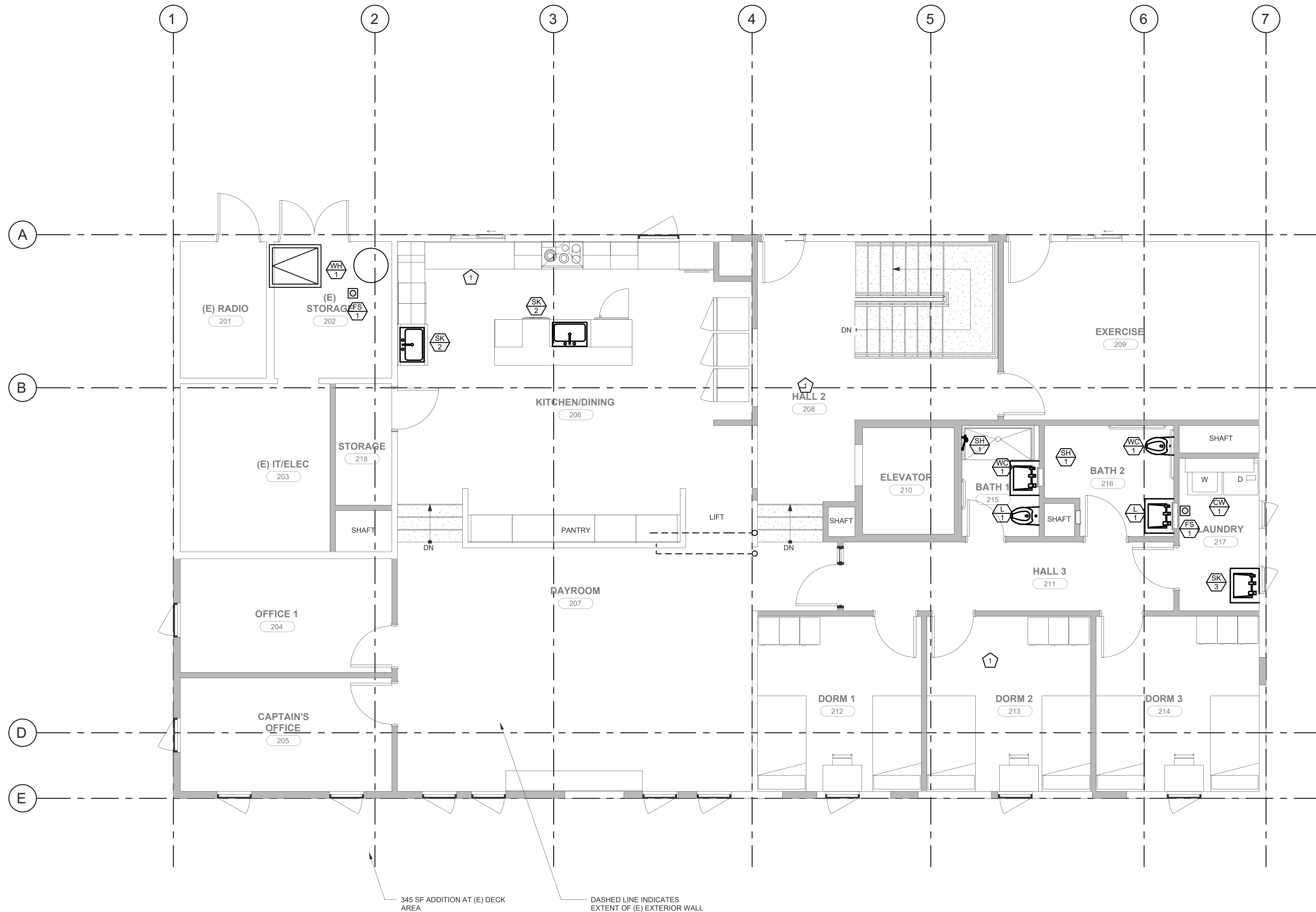
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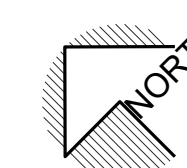
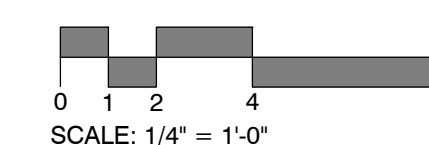
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**1 SECOND FLOOR PLAN**  
P202 SCALE: 1/4" = 1'-0"

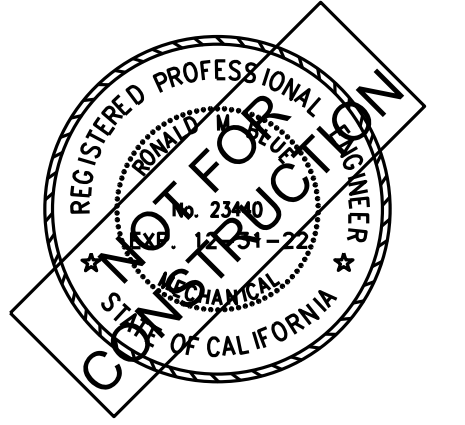


JOB NO. 0000 KENSINGTON  
PUBLIC SAFETY  
BUILDING

DESCRIPTION  
PLUMBING -  
SECOND FLOOR  
PLAN

**P202**

STAMP



PROJECT ADDRESS

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KENSINGTON, CA, 94707

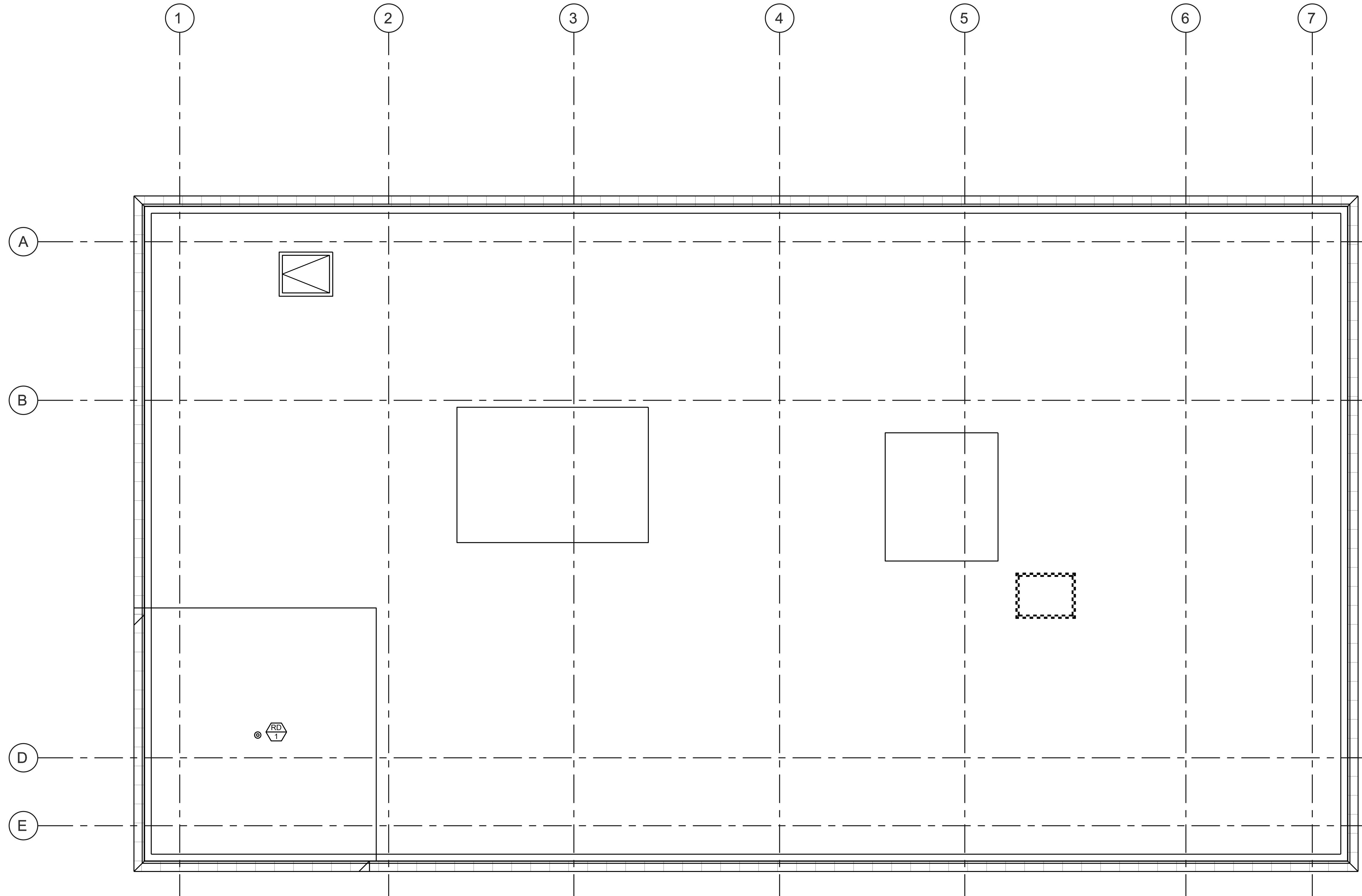
PROJECT TEAM

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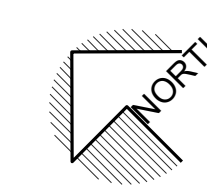
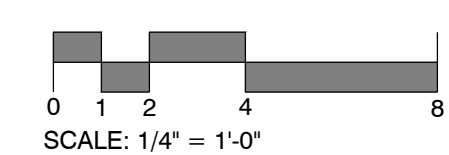
ARCHITECT: MARJANG ARCHITECTURE  
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CONTRACTOR:  
STRUCTURAL:  
CIVIL:  
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1 ROOF PLAN  
P203 SCALE: 1/4" = 1'-0"



JOB NO. 0000 KENSINGTON PUBLIC SAFETY BUILDING

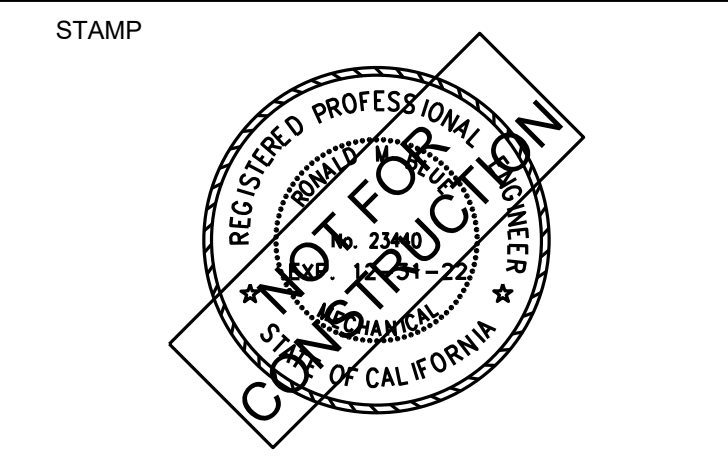
DESCRIPTION  
PLUMBING - ROOF DEMOLITION PLAN

**SYMBOLS & ABBREVIATIONS (FIRE PROTECTION)**

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

**GENERAL FIRE PROTECTION NOTES**

- ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA MECHANICAL PLUMBING, BUILDING AND FIRE CODES, NATIONAL FIRE PROTECTION CODES, AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING THE 2019 CALIFORNIA ENERGY CONSERVATION STANDARDS OF TITLE 24.
- REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLANS AND LOCATIONS OF CONCEALED SPACES, AND OTHER ARCHITECTURAL FEATURES THAT REQUIRE FIRE SPRINKLERS AS PER NFPA #13.
- REFER TO ELECTRICAL DRAWINGS FOR TYPE AND LOCATION OF LIGHT FIXTURES.
- REFER TO THE MECHANICAL DRAWINGS FOR DUCTWORK AND GRILLE LOCATIONS.
- REFER TO STRUCTURAL DRAWING FOR LOCATIONS OF BEAMS, SHEAR WALLS AND MEMBERS. ALL DRILLING OF STRUCTURAL BEAMS AND MEMBERS TO BE COORDINATED WITH THE STRUCTURAL ENGINEER. ALL HOLES SHALL BE MINIMUM SIZE AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO DRILLING.
- PROVIDE HIGH TEMPERATURE HEADS AS REQUIRED BY NFPA #13 AT OR NEAR HEATING EQUIPMENT (I.E., BOILER AND FURNACES, FLUES IN MECHANICAL ROOMS, SKYLIGHTS, ETC.).
- EXPOSED PIPING ALLOWED ONLY IN PARKING GARAGE.
- SPRINKLERS EXPOSED TO WEATHER SHALL BE OF THE WAX COATED OR CORROSION RESISTANT TYPE.
- ESCUTCHEONS IN FINISHED AREAS.
- DESIGN AND INSTALLATION SHALL CONFORM WITH NFPA PAMPHLETS.
- ALL MATERIALS AND DEVICES TO BE UL LISTED.
- SPRINKLER CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CATALOG DATA FOR ALL UL AND FM APPROVED COMPONENTS AND DEVICES TO THE CITY OF KENSINGTON FIRE MARSHAL'S OFFICE FOR APPROVAL AND OBTAIN PERMITS PRIOR TO INSTALLATION.
- SPRINKLER CONTRACTOR SHALL SUBMIT SPRINKLER HEAD LAYOUT ON ARCHITECTURAL REFLECTED CEILING PLANS FOR ARCHITECTURAL APPROVAL PRIOR TO ANY PIPING DESIGN AND/OR CALCULATIONS.
- FPC SHALL PROVIDE CONCRETE INSERTS FOR HANGING FIRE PROTECTION EQUIPMENT, COORD. W/ GC.
- NFPA CLASSIFICATION:  
 PARKING GARAGE: ORDINARY HAZARD, GROUP ONE.  
 DORM/OFFICE: LIGHT HAZARD
- FIRE HYDRANT FLOW TEST DATA:  
 DATE:  
 HYDRANT:  
 LOCATION:  
 STATIC PRESSURE: XX PSI  
 RESIDUAL PRESSURE: XX PSI  
 FLOW: XXXX GPM  
 PREDICTED FLOW AT 20 PSI: XXXX GPM



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

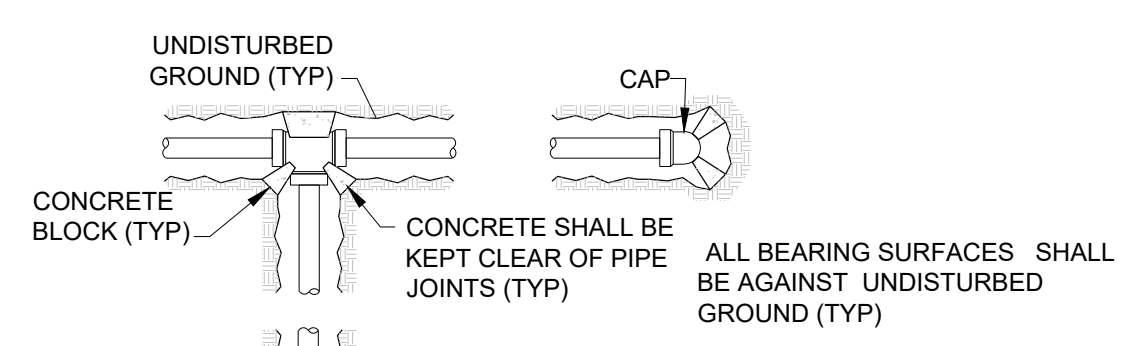
PROJECT TEAM  
 CLIENT: JIM AND JANE PARK  
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JOB NO. **0000**  
**KENSINGTON PUBLIC SAFETY BUILDING**

DESCRIPTION  
**FIRE PROTECTION - TITLE SHEET**

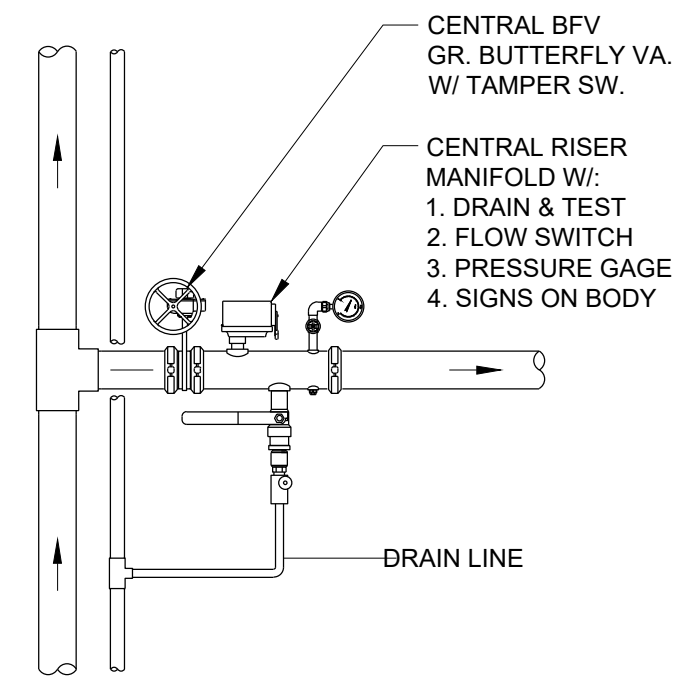


AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS.

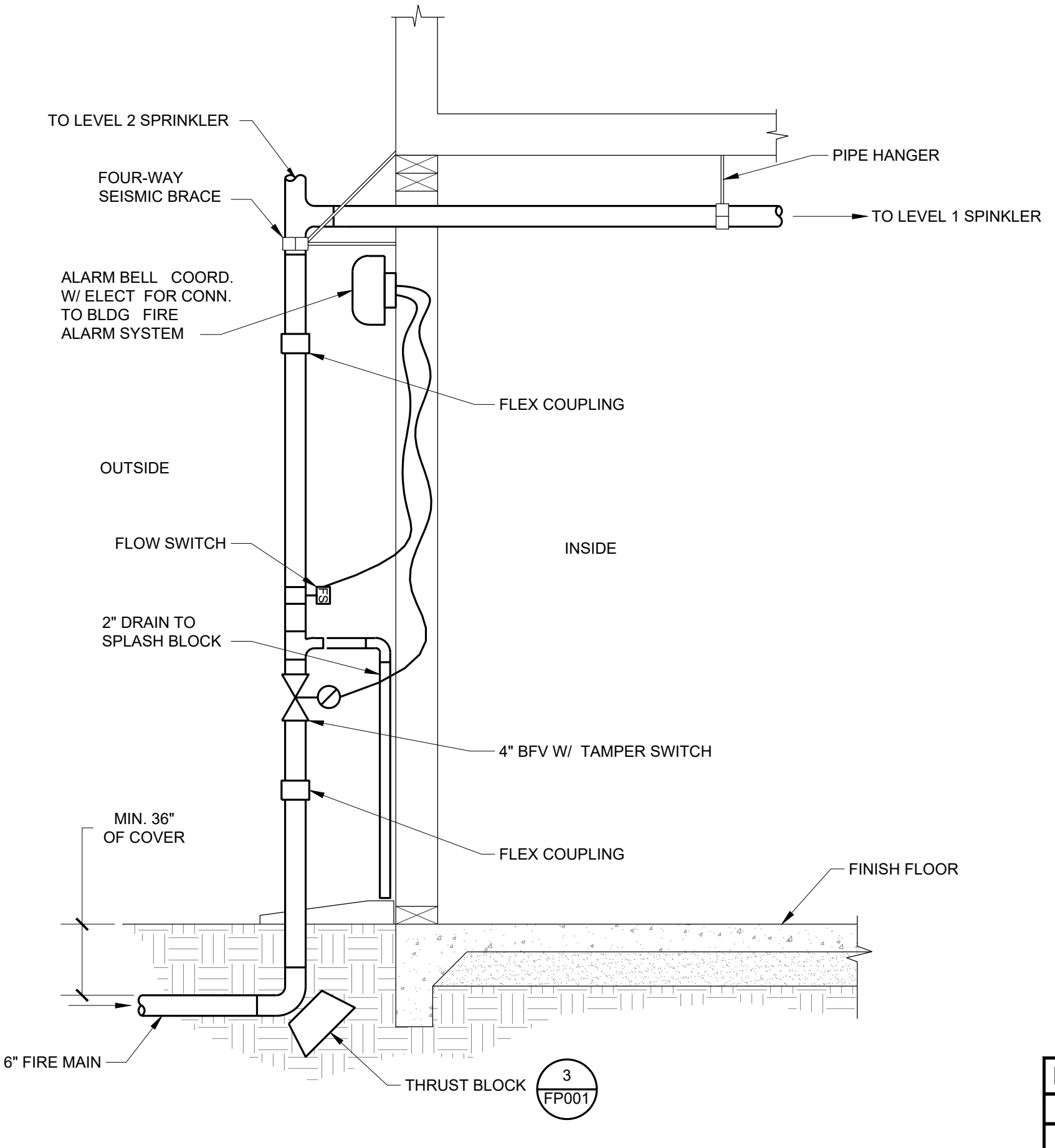
PIPE SIZE INCHES	90° BEND SQ. FT.	45° BEND SQ. FT.	TEE, PLUGS, CAPS, AND HYDRANTS SQ. FT.
4	2	2	2
6	5	3	4
8	8	5	6

AREA IN TABLE HAVE BEEN DERIVED USING A WATER PRESSURE OF 225 POUNDS PER SQUARE INCH (15.5 BARS) AND A SOIL RESISTANCE OF 2,000 POUNDS PER SQUARE FOOT (1.0 BARS). THE VALUES GIVEN IN THIS TABLE INCLUDE A DESIGN SAFETY FACTOR OF 1.5.

**3 THRUST BLOCK DETAIL**  
 NO SCALE  
 FP001



**2 FLOOR VALVE CONTROL ASSEMBLY**  
 NO SCALE  
 FP001



**1 FIRE SPRINKLER RISER DETAIL**  
 NO SCALE  
 FP001

**DRAWING INDEX**

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

**FP001**

**SHEET NOTES**

- COORDINATE LOCATION OF THE BACKFLOW, FDC AND PIV WITH THE CIVIL.

**MARJANG ARCHITECTURE**

STAMP

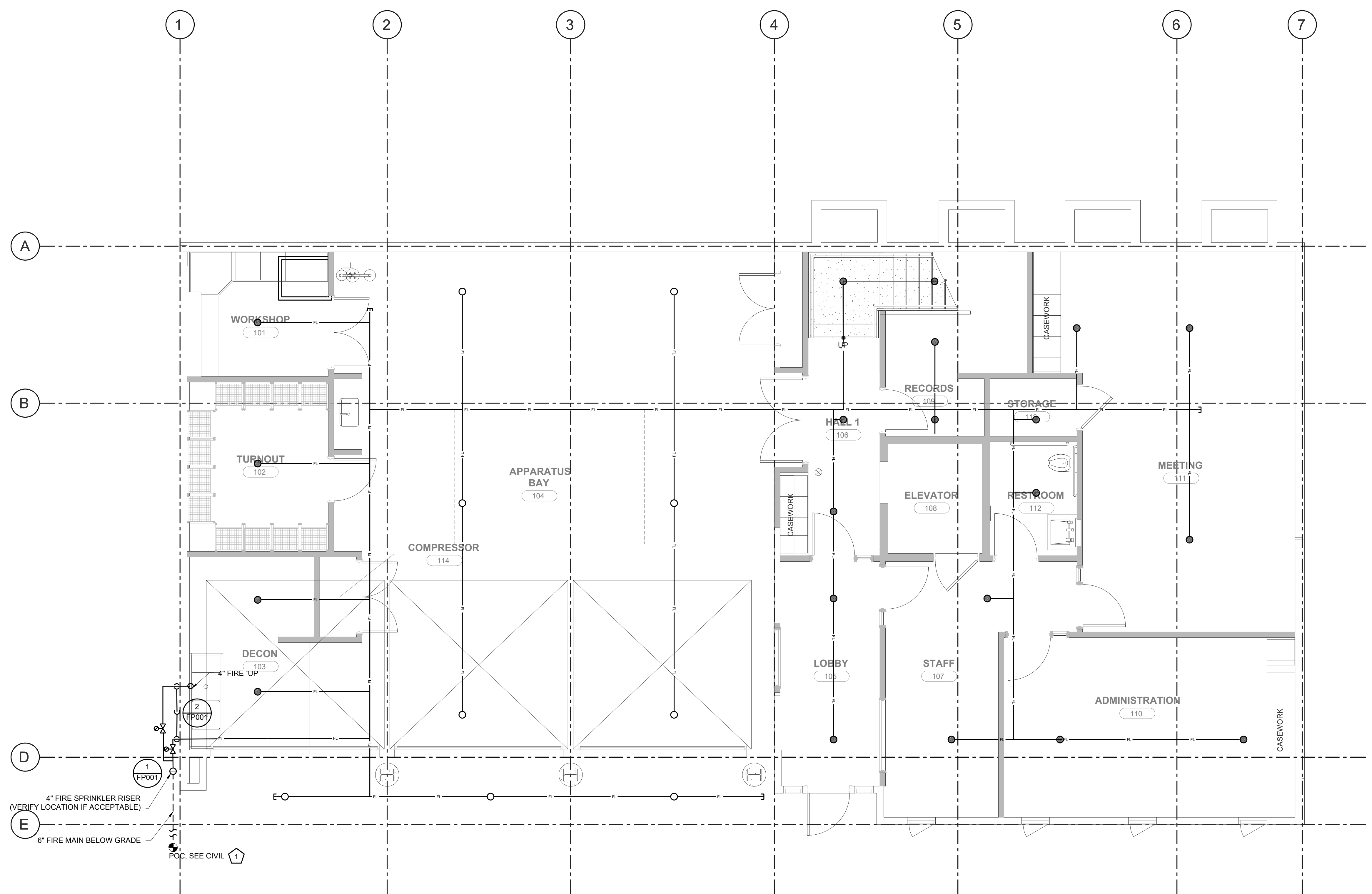


PROJECT ADDRESS  
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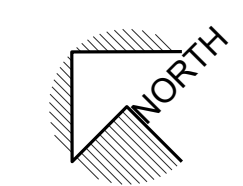
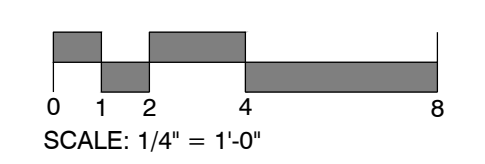
PROJECT TEAM  
 CLIENT: JIM AND JANE PARK  
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**1 GROUND FLOOR PLAN**  
 FP201 SCALE: 1/4" = 1'-0"

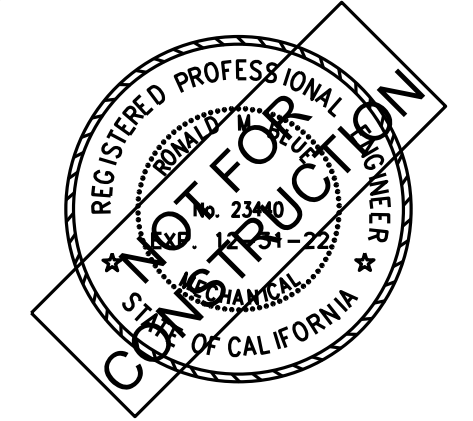


JOB NO. **KENSINGTON  
 0000 PUBLIC SAFETY  
 BUILDING**

DESCRIPTION  
**FIRE PROTECTION -  
 GROUND FLOOR  
 PLAN**

**FP201**

STAMP

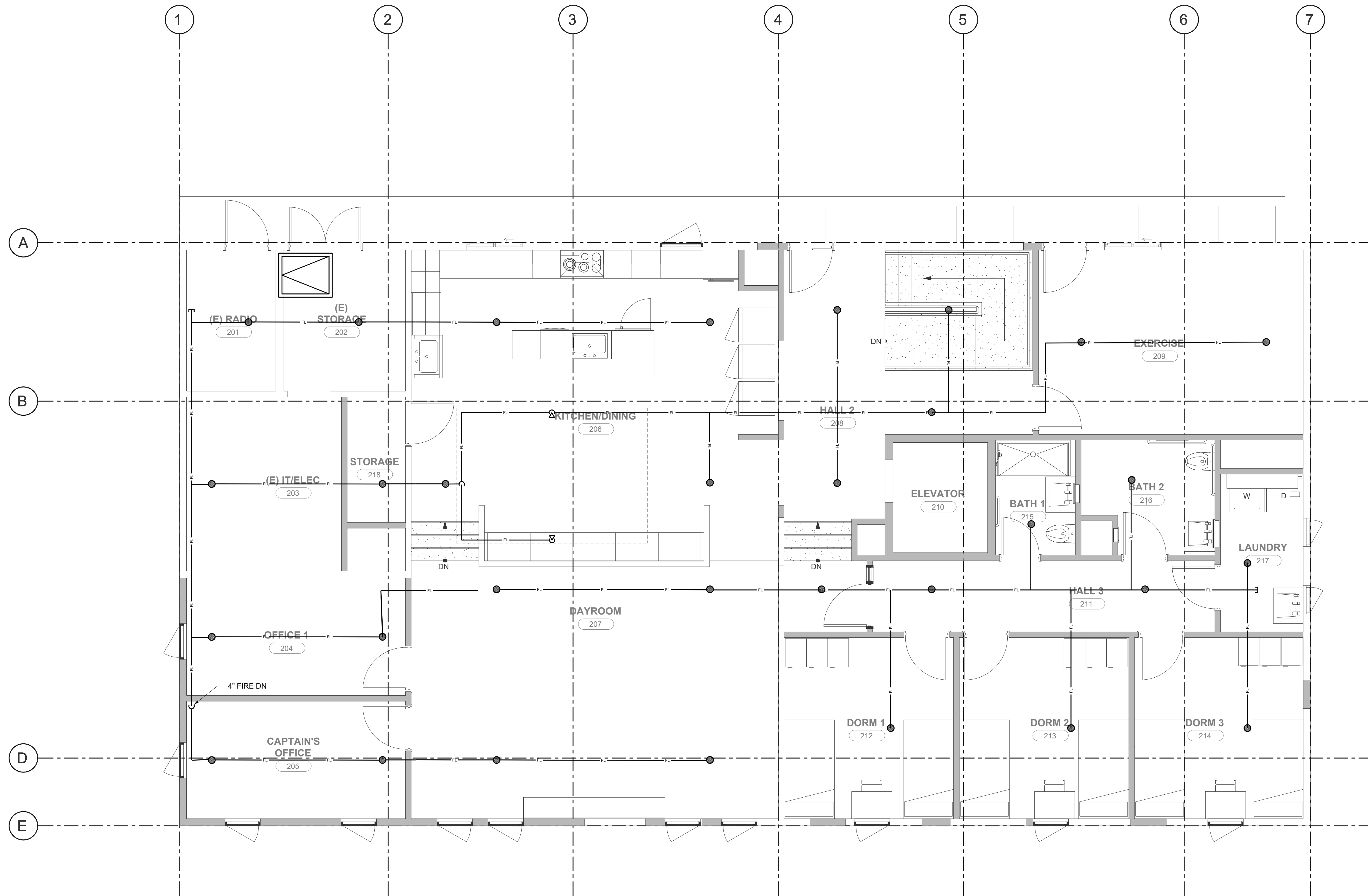


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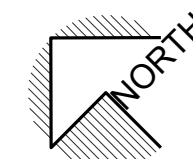
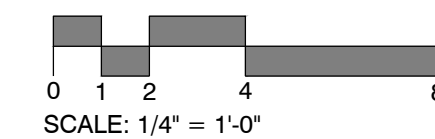
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1 SECOND FLOOR PLAN  
FP202 SCALE: 1/4" = 1'-0"



JOB NO. 0000 KENSINGTON  
PUBLIC SAFETY  
BUILDING

DESCRIPTION  
FIRE PROTECTION -  
SECOND FLOOR  
PLAN

**FP202**

PROJECT GENERAL NOTES

Table with project general notes. Column 1: # Note. Column 2: Content. Notes include existing conditions, demo & general conditions, site & site lighting, equipment, and code requirements.

PROJECT GENERAL NOTES

Table with project general notes. Column 1: # Note. Column 2: Content. Notes cover coordination, miscellaneous items, and fire alarm system details.

ABBREVIATIONS

Table of abbreviations. Columns: Symbol, Description, Symbol, Description. Includes terms like LCP, MBGB, MCC, etc.

APPLIANCES

Table of appliances. Columns: Symbol, Description, Symbol, Description. Includes DW, ED, EO, GD, GR, MW, RF, RH, UR, WC, WM.

ELECTRICAL SHEET INDEX

Table for electrical sheet index. Columns: SHEET NO., SHEET NAME, and vertical design phases: SCHEMATIC DESIGN, DESIGN DEVELOPMENT, CONSTRUCTION DOCUMENTS, SUBMITTAL 04.

MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS
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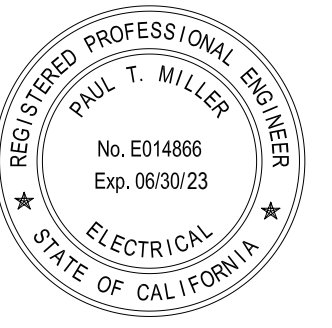
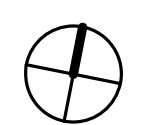


Table with 3 columns: NO., DESCRIPTION, DATE. Blank rows for project details.

JOB NO. 21186 KENSINGTON PUBLIC SAFETY

DESCRIPTION BUILDING
NOTES, ABBREVIATIONS, AND SHEET INDEX



E001

WIRING DEVICES

Table listing wiring devices with symbols and descriptions. Includes Junction Box, Duplex Convenience Receptacle, Specialty Outlet, and Control Station.

RACEWAYS

Table listing raceway types with symbols and descriptions. Includes Conduit Run Exposed, Conduit Run Concealed, Conduit Homerun, Conduit Turned Up, Conduit Turned Down, Conduit Capped, Conduit Sleeve, Flexible Metallic Conduit, and Cable Tray.

LIGHTING

Table listing lighting fixtures with symbols and descriptions. Includes Luminaire (recessed, surface, suspended), Strip Luminaire, Directional Luminaire, Linear Luminaire, and Exit Sign.

DIGITAL LIGHTING CONTROLS

Table listing digital lighting controls with symbols and descriptions. Includes Single Zone Dimmer Switch, Single Zone Switch, Scene or Multi-Zone Controller, Daylight Harvesting Sensor, Occupancy Sensor, Plug Load Controller, and Lighting Control Occupancy Sensor.

FIRE ALARM

Table listing fire alarm devices with symbols and descriptions. Includes Smoke Detector, Heat Detector, Manual Pull Station, Sprinkler System, and Fire Alarm Bell.

TELECOMMUNICATIONS

Table listing telecommunications devices with symbols and descriptions. Includes Telecommunication Device, Wireless Access Point, and Quantity of Data/Voice Devices.

AUDIO/VISUAL

Table listing audio/visual devices with symbols and descriptions. Includes Loudspeaker, AV Program Speaker, Audio and Video Interface Plate, Audio and Video Cable Display Plate, Projector, and Video Conferencing Camera.

MARJANG ARCHITECTURE

STAMP

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

PROJECT TEAM: CLIENT: JIM AND JANE PARK... ARCHITECT: MARJANG ARCHITECTURE

LANDSCAPE: CONTRACTOR: STRUCTURAL: CIVIL: GEOTECH: SEPTIC:

The Engineering Enterprise Consulting Engineers THE POWER HOUSE 1305 MARINA VILLAGE PARKWAY ALAMEDA, CA 94501 (510) 769-7600

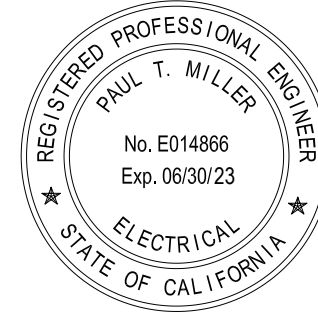


Table with columns: NO., DESCRIPTION, DATE

JOB NO. 21186 KENSINGTON PUBLIC SAFETY BUILDING SYMBOLS

E002



SYMBOLS LIST

POWER DISTRIBUTION

Table listing symbols for Power Distribution: SWITCHGEAR, PANELBOARD (277/480V and 120/208V), DRY-TYPE STEP-DOWN TRANSFORMER, ELECTRIC MOTOR, INDOOR EXHAUST FAN MOTOR, INDOOR FAN POWERED VAV BOX MOTOR, MOTOR OPERATED FIRE/SMOKE DAMPER, COMBINATION EXHAUST FAN AND DOWNLIGHT FIXTURE, SAFETY DISCONNECT SWITCH, MAGNETIC MOTOR STARTER, COMBINATION MAGNETIC MOTOR STARTER, PACKAGE MOTOR CONTROLLER, VARIABLE FREQUENCY DRIVE (VFD), ELECTRONICALLY COMMUTATED MOTOR CONTROLLER (ECM), DRIVEN GROUND ROD, ELECTRICAL VEHICLE CHARGING STATION, CABLE TO BUS TERMINATION LUGS, BOLTED PRESSURE OR HIGH PRESSURE CONTACT, GROUP MOUNTED MOLDED CASE CIRCUIT BREAKER, INDIVIDUALLY FIXED MOUNTED INSULATED-CASE OR POWER CIRCUIT BREAKER, INDIVIDUALLY DRAW-OUT MOUNTED INSULATED-CASE OR POWER CIRCUIT BREAKER, MEDIUM-VOLTAGE, INDIVIDUALLY DRAW-OUT MOUNTED VACUUM CIRCUIT BREAKER, MEDIUM-VOLTAGE LOAD INTERRUPTER SWITCH (FUSED AND NON-FUSED), GROUND FAULT RELAY INTEGRAL WITH CIRCUIT BREAKER, SHUNT-TRIP INTEGRAL WITH OVERCURRENT PROTECTION DEVICES, KIRK-KEY INTERLOCK, PRIVATE METER, UTILITY METER, PRIVATE METER IN SEPARATE ENCLOSURE, GROUND FAULT RELAY WITH SHUNT TRIP, GROUND FAULT ALARM, TRANSFORMER, CONNECTION TO GROUND, CURRENT TRANSFORMERS, POTENTIAL TRANSFORMERS.

POWER DISTRIBUTION

Table listing symbols for Power Distribution: AUTOMATIC OR MANUAL TRANSFER SWITCH, AUTOMATIC TRANSFER & BY-PASS ISOLATION SWITCH, EMERGENCY GENERATOR, BATTERIES, NEUTRAL SERVICE DISCONNECT LINK, SURGE PROTECTION DEVICE (SPD), CONTROL CONTACTOR, NORMALLY OPEN CONTACT, NORMALLY CLOSED CONTACT, DIGITAL METERING UNIT, GROUND BUS, NEUTRAL BUS.

LINE VOLTAGE LIGHTING CONTROL

Table listing symbols for Line Voltage Lighting Control: SINGLE-POLE, SINGLE-THROW SWITCH; THREE-WAY SWITCH; FOUR-WAY SWITCH; SINGLE-POLE, SINGLE-THROW SWITCH, KEY-OPERATED; SINGLE-POLE, SINGLE-THROW SWITCH, WITH PILOT LIGHT; WALLBOX DIMMER SWITCH; SINGLE-POLE, TIMER CONTROLLED SWITCH; SINGLE-POLE, SINGLE-THROW SWITCH, EXPLOSION PROOF; LINE VOLTAGE SINGLE RELAY VACANCY SENSOR; SINGLE-POLE, SINGLE-THROW SWITCH WITH WEATHERPROOF COVER; SINGLE-POLE SWITCH WITH AUTOMATIC HUMIDITY CONTROL; DUAL LEVEL OCCUPANCY SENSOR SWITCH; SINGLE LEVEL OCCUPANCY SENSOR SWITCH; COMBINATION OCCUPANCY SENSOR AND DIMMER SWITCH; OCCUPANCY SENSOR FOR AREA COVERAGE; PHOTOELECTRIC CELL SENSOR; EGRESS LIGHTING TRANSFER DEVICE.

DISTRIBUTED ANTENNA SYSTEM (ERRCS)

Table listing symbols for Distributed Antenna System (ERRCS): OMNI ANTENNA - PUBLIC SERVICE; OMNI ANTENNA - CELLULAR; DAS ANNUNCIATOR PANEL; DAS REMOTE PANEL; BI-DIRECTIONAL AMPLIFIER; UNINTERRUPTIBLE POWER SUPPLY; DONOR ANTENNA.

SECURITY

Table listing symbols for Security: ALARM MONITORING CONTACT; ELECTRIC DOOR LOCK; ELECTRIC DOOR STRIKE; ELECTROMAGNETIC DOOR LOCK; ELECTRIFIED PANIC HARDWARE; MECHANICAL PANIC HARDWARE; REQUEST-TO-EXIT SWITCH; POWER TRANSFER HINGE; DOOR RELEASE MOTION SENSOR; REMOTE ELECTRIC LOCK RELEASE BUTTON; DURESS STATION; AREA MOTION SENSOR; AREA MOTION SENSOR; GLASS BREAK DETECTOR; CARD READER CONTROLLER; KEY PAD CONTROLLER; REMOTE MOUNTED POWER SUPPLY; 90, 180, 270, 360 DEGREE CCTV CAMERA; PAN/TILT/ZOOM (PTZ) CCTV CAMERA; 90, 180, 270 DEGREE CCTV CAMERA; PAN/TILT/ZOOM (PTZ) CCTV CAMERA; CCTV MONITOR; INTRUSION ALARM CONTROL PANEL; DOOR ACCESS CONTROL PANEL.

CONVENTIONS

Table listing conventions: NUMBERED NOTE; NUMBERED SHEET NOTE; OVERCURRENT PROTECTIVE DEVICE SPACE IDENTIFICATION TAG; EQUIPMENT IDENTIFICATION TAG; FEEDER SIZE; DETAIL REFERENCE; LUMINAIRE IDENTIFICATION TAG; UNDERGROUND CONDUIT DESIGNATION; SWITCHBOARDS, DISTRIBUTION BOARDS, AND PANELBOARDS; MOTOR CONTROL CENTERS; TRANSFORMERS; SIGNAL SYSTEM TERMINALS.

MARJANG ARCHITECTURE

STAMP

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

PROJECT TEAM: CLIENT: JIM AND JANE PARK; ARCHITECT: MARJANG ARCHITECTURE; CONTRACTOR: KAREN MAR

LANDSCAPE; CONTRACTOR; STRUCTURAL; CIVIL; GEOTECH; SEPTIC.

The Engineering Enterprise Consulting Engineers logo and address: THE POWER HOUSE, 1305 MARINA VILLAGE PARKWAY, ALAMEDA, CA 94501

Table with columns: NO., DESCRIPTION, DATE. Empty rows for notes.

JOB NO. 21186 KENSINGTON PUBLIC SAFETY

DESCRIPTION BUILDING SYMBOLS

E003

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# MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS

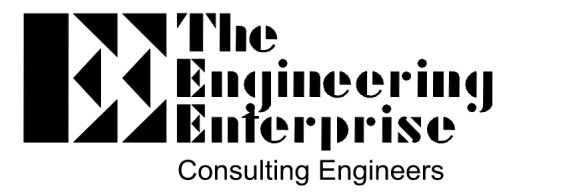
217 ARLINGTON AVE.  
KENSINGTON, CA, 94707

PROJECT TEAM

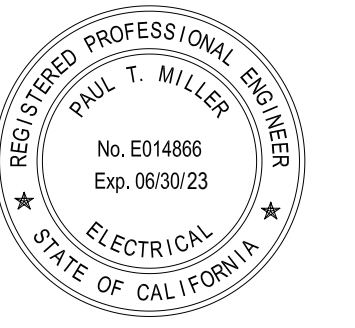
CLIENT: JIM AND JANE PARK  
80 JUNIPERO SERRA BLVD.  
SAN FRANCISCO, CA  
CONTACT: JANE PARK  
EMAIL: JANEWPARK@GMAIL.COM

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T. (415) 522-0600  
CONTACT: KAREN MAR  
EMAIL: KAREN@MARJANG.COM

LANDSCAPE:  
CONTRACTOR:  
STRUCTURAL:  
CIVIL:  
GEOTECH:  
SEPTIC:



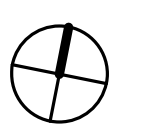
THE POWER HOUSE  
1305 MARINA VILLAGE PARKWAY  
ALAMEDA, CA 94501  
(510) 769-7600



NO.	DESCRIPTION	DATE

JOB NO.  
**21186 KENSINGTON  
PUBLIC SAFETY**

DESCRIPTION **BUILDING  
TITLE 24 FORMS**



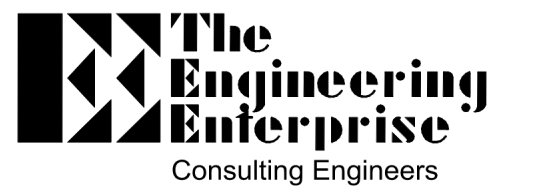
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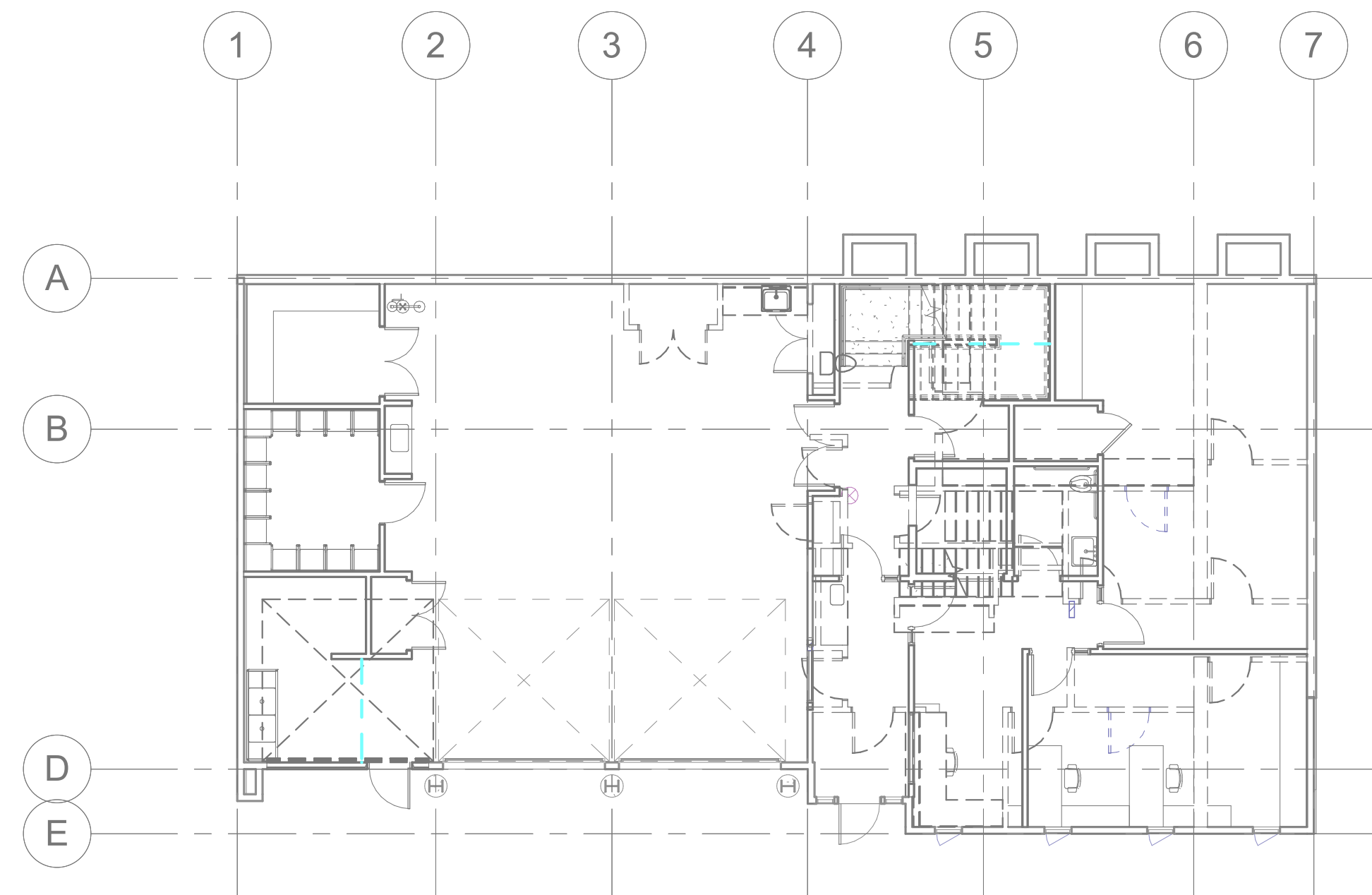
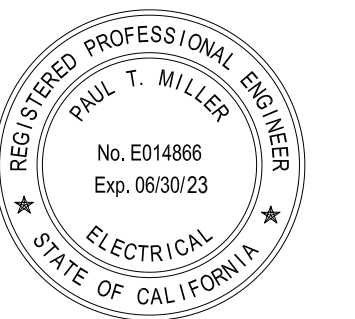
PROJECT ADDRESS  
217 ARLINGTON AVE.  
KENSINGTON, CA, 94707

PROJECT TEAM  
CLIENT: JIM AND JANE PARK  
80 JUNIPERO SERRA BLVD.  
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EMAIL: KAREN@MARJANG.COM

LANDSCAPE:  
CONTRACTOR:  
STRUCTURAL:  
CIVIL:  
GEOTECH:  
SEPTIC:



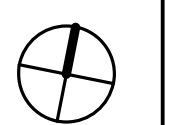
THE POWER HOUSE  
1305 MARINA VILLAGE PARKWAY  
ALAMEDA, CA 94501  
(510) 769-7600



1 OVERALL SITE PLAN  
SCALE: 1" = 10'-0"

NO.	DESCRIPTION	DATE

JOB NO. 21186 KENSINGTON  
PUBLIC SAFETY  
DESCRIPTION BUILDING  
SITE PLAN



E101

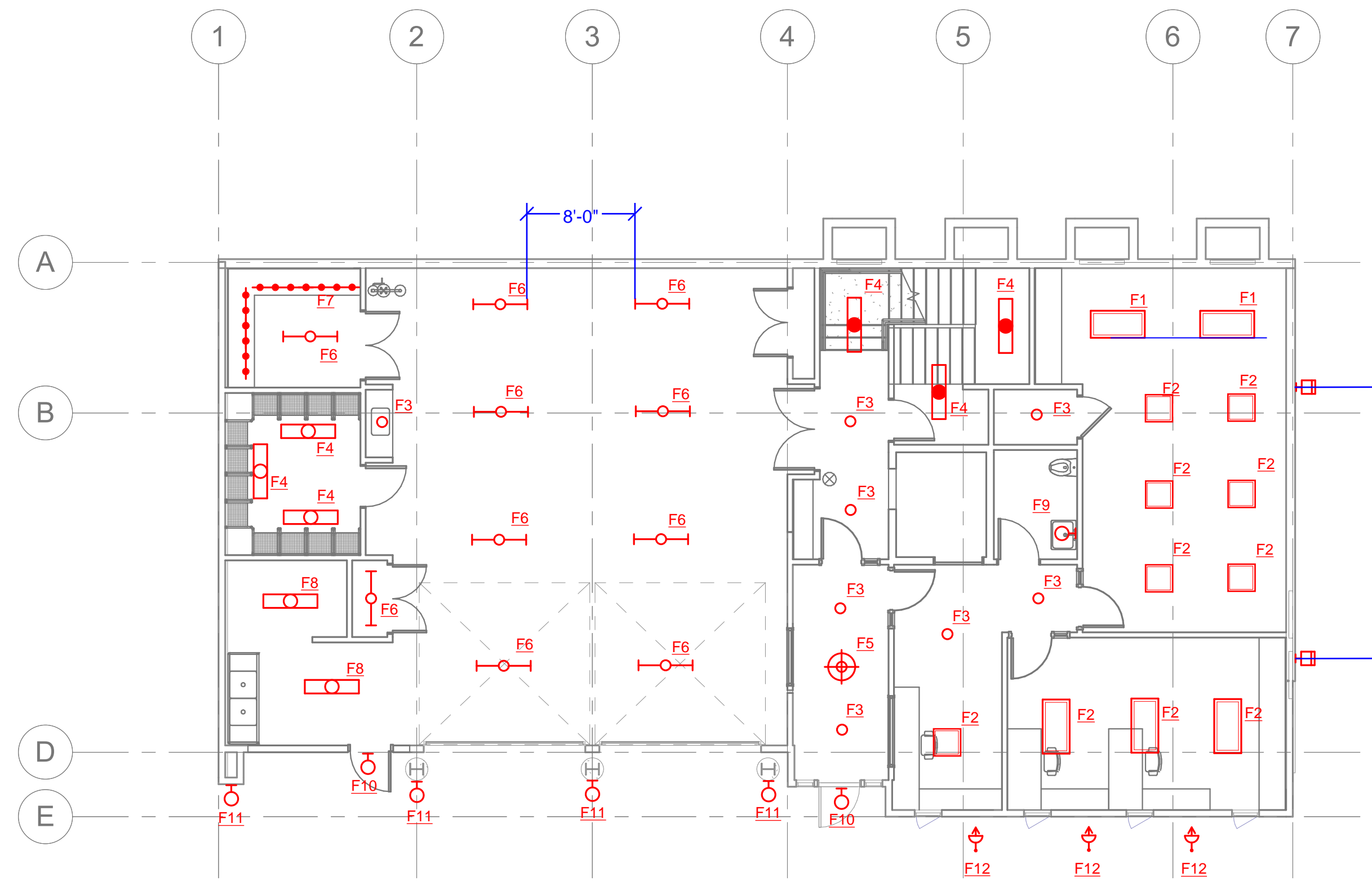
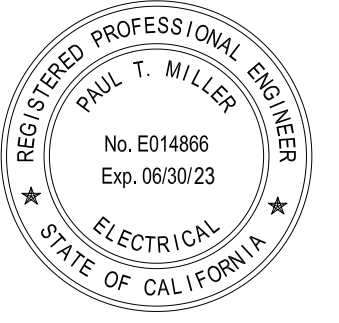
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PROJECT ADDRESS  
217 ARLINGTON AVE.  
KENSINGTON, CA, 94707

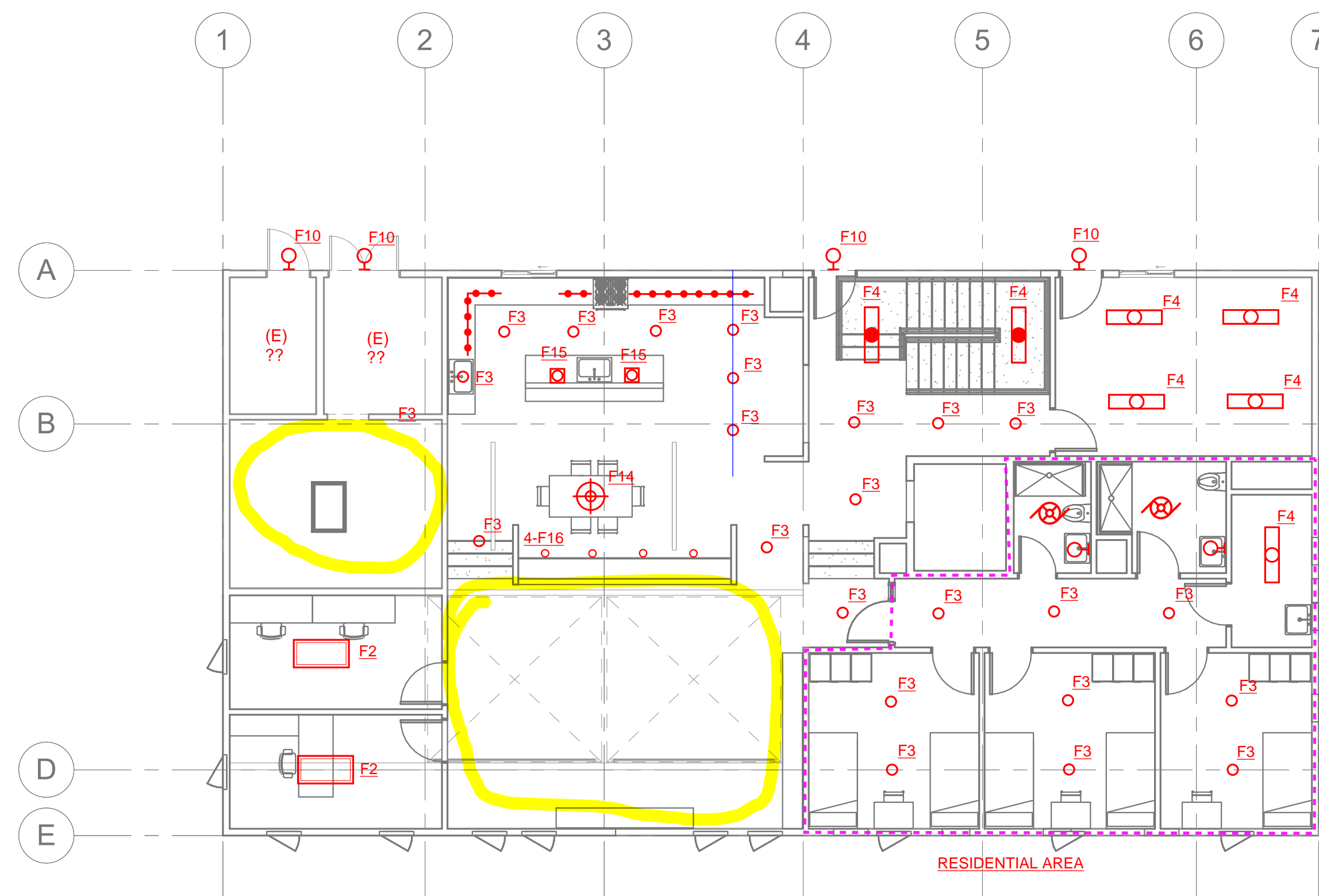
PROJECT TEAM  
CLIENT: JIM AND JANE PARK  
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LANDSCAPE:  
CONTRACTOR:  
STRUCTURAL:  
CIVIL:  
GEOTECH:  
SEPTIC:

**The Engineering Enterprise**  
Consulting Engineers  
THE POWER HOUSE  
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ALAMEDA, CA 94501  
(510) 769-7600



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



**2 LIGHTING PLAN - SECOND FLOOR**  
SCALE: 1/8" = 1'-0"

LUMINAIRE SCHEDULE					
TYPE	IMAGE	MANUFACTURER & CATALOG NUMBER	LAMP TYPE	WATTAGE, VOLTAGE	DESCRIPTION
F1		TBD			2X4 LED VOLUMETRIC TROFFER.
F2		TBD			SAME AS F1 EXCEPT 2X2
F3		PHILIPS LIGHTOLIER #STR-9-30K-10 (FINISH) -Z10U JA8 LISTED	TIER 2 LED 3000K 1000 NOMINAL INITIAL	14.4 WATTS 120VAC	7" DIA. SURFACE DOWNLIGHT / WALLMOUNT. J-BOX MOUNTED. 0-10V INTEGRAL DIMMING DRIVER.
F4		TBD			LOW PROFILE SURFACE MOUNTED LENSED 8" WIDE ACRYLIC 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	23 WATTS 120VAC	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 NOMINAL INITIAL LUMENS	23 WATTS 120VAC	ENCLOSED AND GASKETED LED, NOMINAL 4 FOOT LENGTH. PROVIDE EMERGENCY BATTERY PACK WHERE INDICATED ON PLANS.
F9		TECH LIGHTING #700BCSAGW-25-FINISH-LED930 JA8 LISTED	TIER 3 LED 3000K 2200 NOMINAL INITIAL LUMENS	35 WATTS 120VAC	VANITY SCONCE. 4 INCH HEIGHT, 25 INCH LENGTH, 3 INCH DEPTH. FROSTED LENS. 5% DIMMING.
F10		GARDCO OR EQUAL			CAST ALUMINUM LED SCONCE WITH SILICON GASKET, TEMPERED GLASS LENS, INTEGRAL PHOTOCELL, FULL CUTOFF.
F11		TBD			DECORATIVE SCONCE ON FAÇADE. LED LAMPS.
F12		TBD			IN-GRADE UPLIGHTS FOR FAÇADE
F13		TBD			LED AREA LIGHT AT SIDE DRIVEWAY. FULL CUTOFF, TYPE 2 NEMA DISTRIBUTION.
F14		TEKA #BSM-6-SD24-LED-L16-COLOR-A-MSH-HSR	TIER 2 LED 3000K 870 NOMINAL INITIAL LUMENS	20 WATTS 120VAC	LED PENDANT LIGHT AT KITCHEN TABLE. 24" DIAMETER.
F15		TBD	LED	18 WATTS 120VAC	LED PENDANT LIGHT AT KITCHEN ISLAND. 12" DIAMETER.
F16		TBD	LED		3" DIAMETER DOWNLIGHTS AT KITCHEN PANTRY
X1		EVENLITE #RZR SERIES	LED	1 WATT 120VAC	EXIT SIGN WITH INTEGRAL BATTERY BACKUP.

Page 1

NO.	DESCRIPTION	DATE

JOB NO. 21186 KENSINGTON PUBLIC SAFETY BUILDING LIGHTING PLANS

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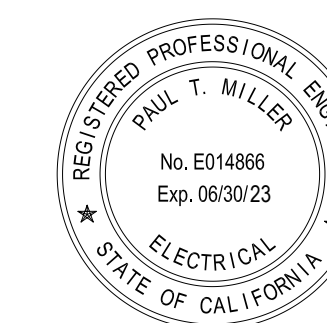
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PROJECT ADDRESS  
217 ARLINGTON AVE.  
KENSINGTON, CA, 94707

PROJECT TEAM  
CLIENT: JIM AND JANE PARK  
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EMAIL: KAREN@MARJANG.COM  
LANDSCAPE:  
CONTRACTOR:  
STRUCTURAL:  
CIVIL:  
GEOTECH:  
SEPTIC:

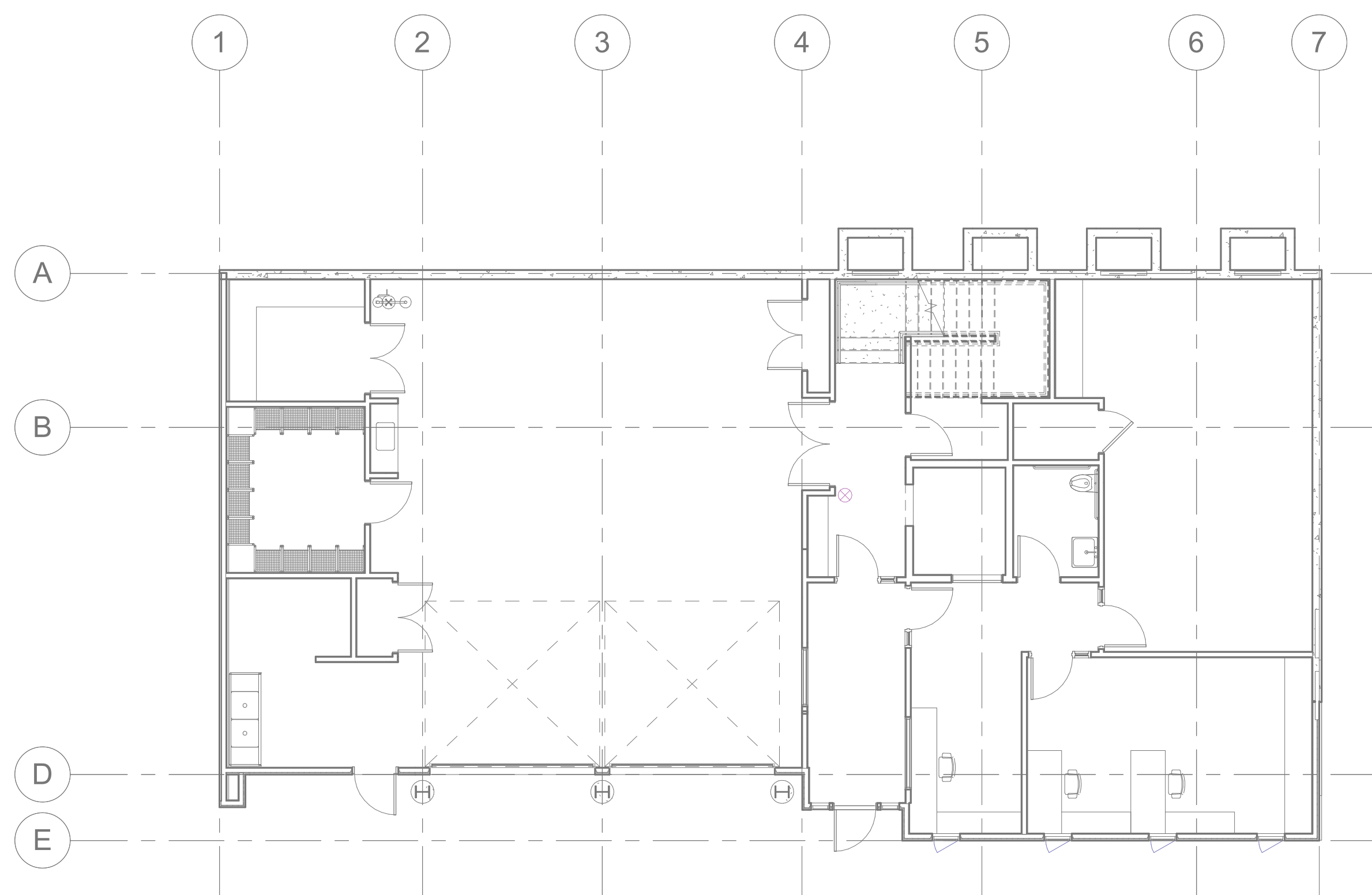


THE POWER HOUSE  
1305 MARINA VILLAGE PARKWAY  
ALAMEDA, CA 94501  
(510) 769-7600

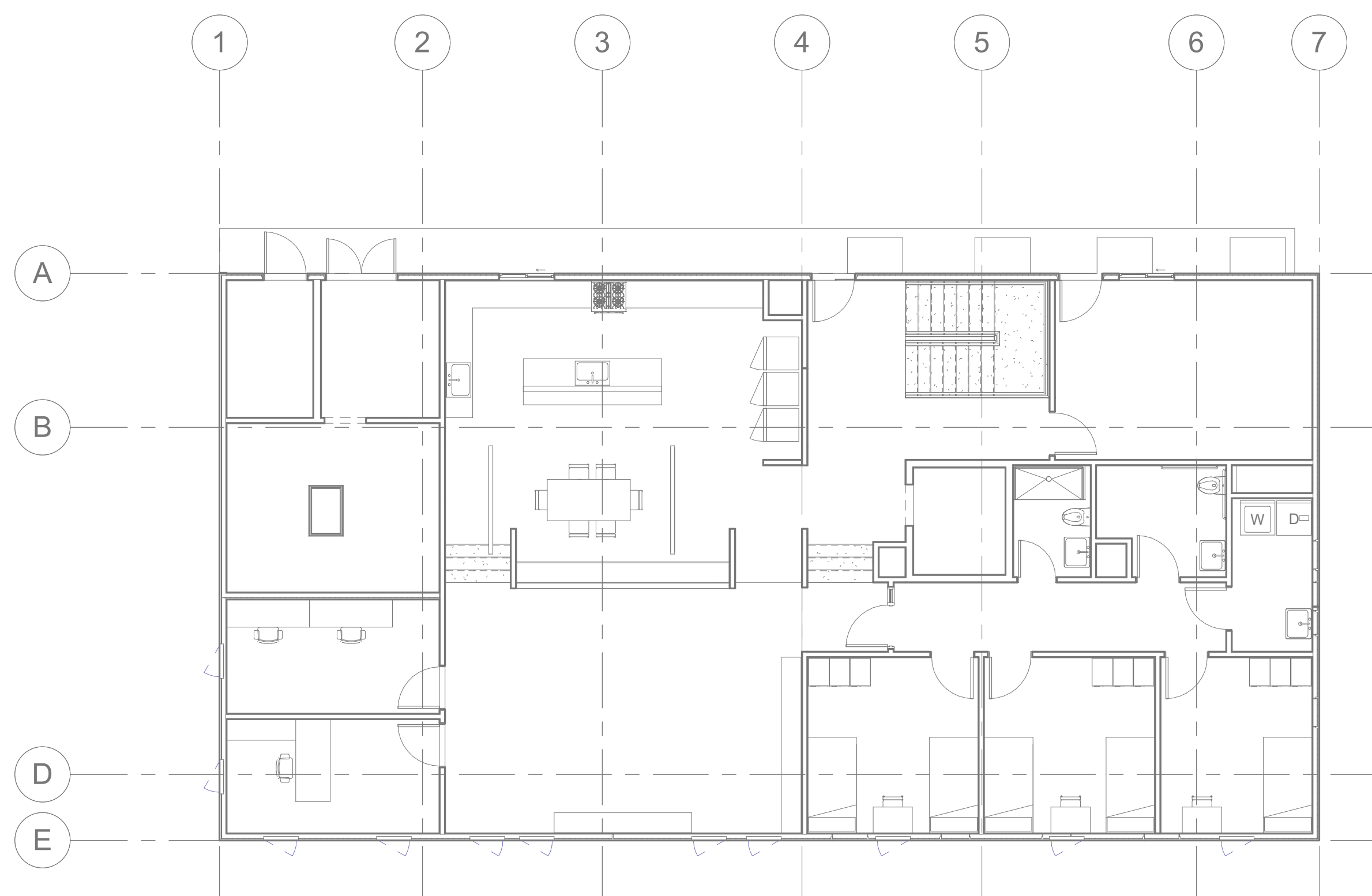


NO.	DESCRIPTION	DATE

JOB NO. 21186 KENSINGTON  
PUBLIC SAFETY  
BUILDING  
POWER AND LOW  
VOLTAGE PLANS



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



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

**MARJANG  
ARCHITECTURE**

STAMP

PROJECT ADDRESS

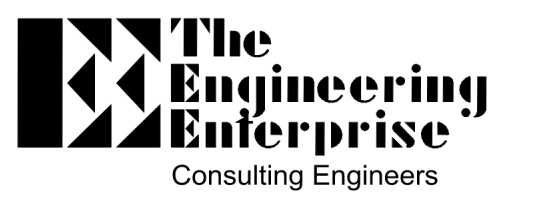
217 ARLINGTON AVE.  
KENSINGTON, CA, 94707

PROJECT TEAM

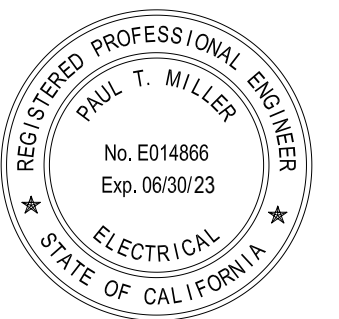
CLIENT: JIM AND JANE PARK  
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CONTACT: KAREN MAR  
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LANDSCAPE:  
CONTRACTOR:  
STRUCTURAL:  
CIVIL:  
GEOTECH:  
SEPTIC:



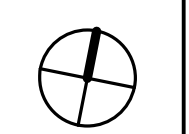
THE POWER HOUSE  
1305 MARINA VILLAGE PARKWAY  
ALAMEDA, CA 94501  
(510) 769-7600



NO.	DESCRIPTION	DATE

JOB NO. 21186 KENSINGTON PUBLIC SAFETY

DESCRIPTION BUILDING ENLARGED PLANS AND DETAILS



**E401**



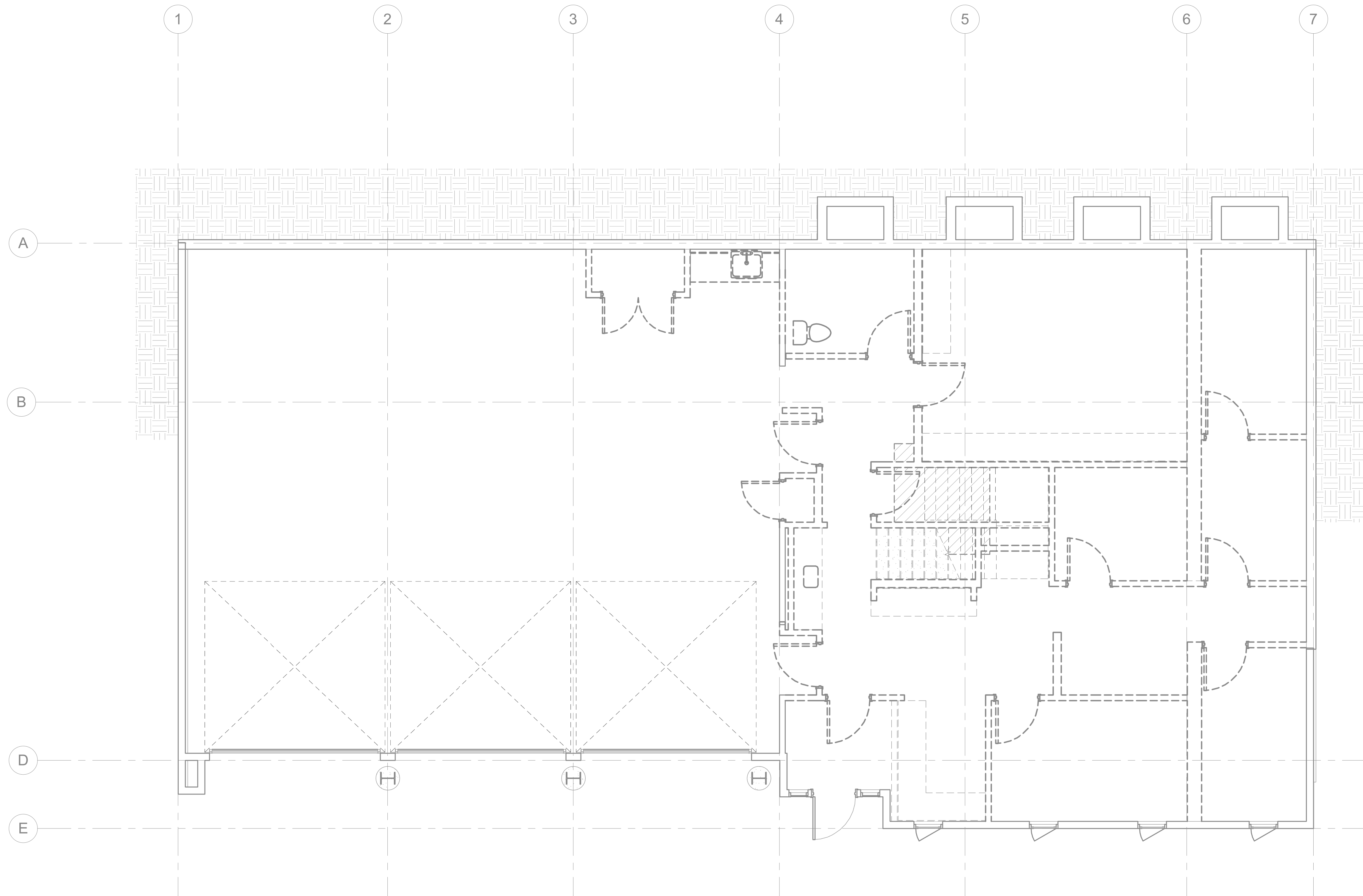
KEYNOTES

MARJANG  
ARCHITECTURE

STAMP

PROJECT ADDRESS  
217 ARLINGTON AVE.  
KENSINGTON, CA 94707

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

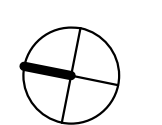


1 AUDIOVISUAL - GROUND FLOOR DEMOLITION PLAN  
1/4" = 1'-0"

NO.	DESCRIPTION	DATE

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY  
BUILDING

DESCRIPTION  
AUDIOVISUAL - GROUND FLOOR  
DEMOLITION PLAN



TA201

STAMP

PROJECT ADDRESS

 217 ARLINGTON AVE.  
 KENSINGTON, CA 94707

PROJECT TEAM

**CLIENT:** CITY OF KENSINGTON  
 217 ARLINGTON AVE  
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**STRUCTURAL:** ZFA STRUCTURAL ENGINEERS  
 1390 EL CAMINO REAL STE 100  
 SAN CARLOS, CA 94070  
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 T: (650) 394-8869

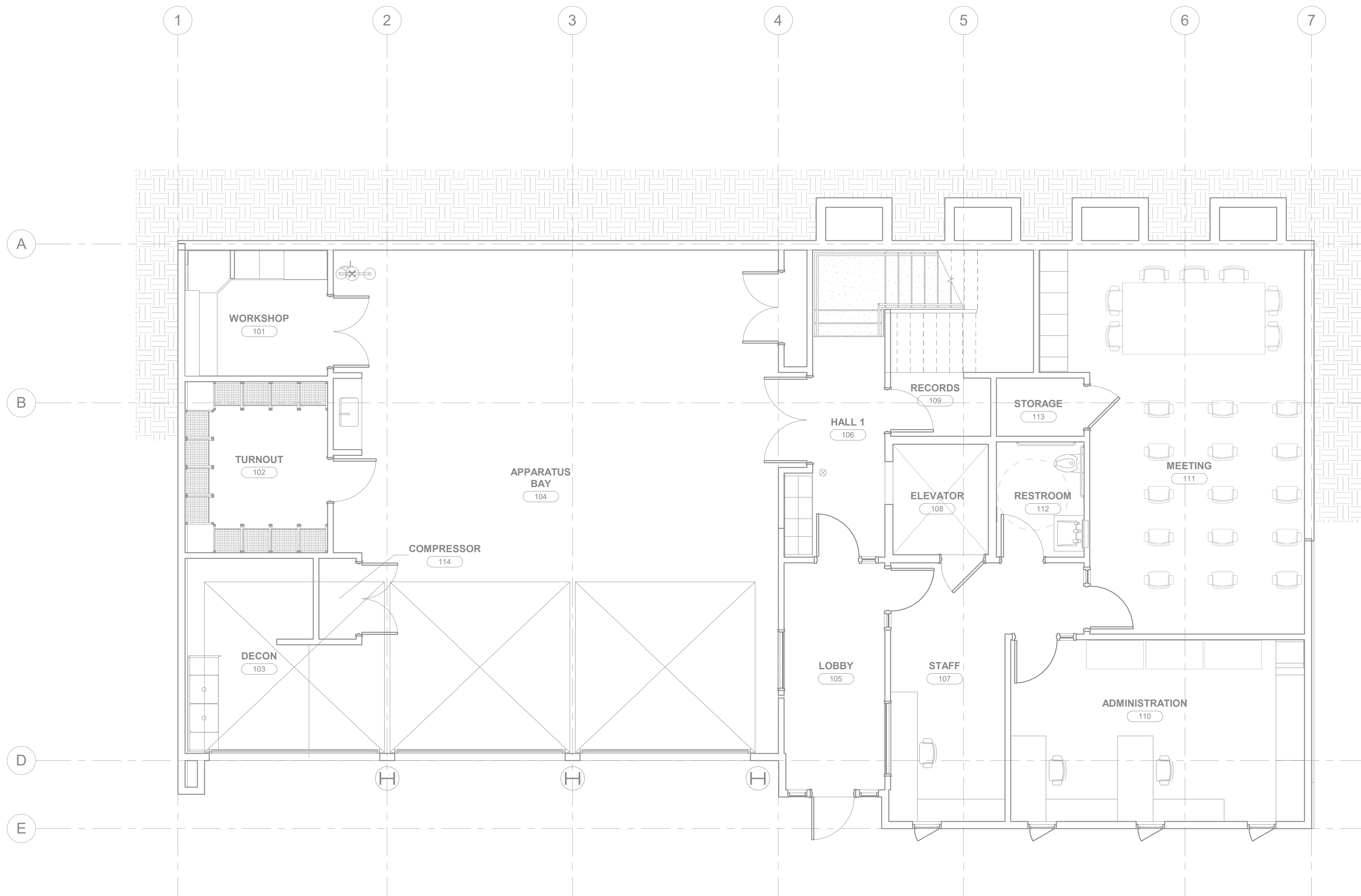
**CIVIL:** BKF ENGINEERS  
 1646 N. CALIFORNIA BLVD STE 400  
 WALNUT CREEK, CA 94596  
 CONTACT: ERIC SWANSON  
 T: (925) 940-2200

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

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

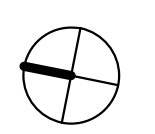
**AUDIO/VISUAL:** SMITH FAUSE MCDONALD INC.  
 351 8TH STREET  
 SAN FRANCISCO, CA 94103  
 CONTACT: PETER MCDONALD  
 T: (415) 255-9140

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


 1 AUDIOVISUAL - GROUND FLOOR PLAN  
 1/4" = 1'-0"

NO.	DESCRIPTION	DATE

 JOB NO.  
 0000 KENSINGTON PUBLIC SAFETY  
 BUILDING

 DESCRIPTION  
 AUDIOVISUAL - GROUND FLOOR  
 PLAN

**TA202**

KEYNOTES

STAMP

PROJECT ADDRESS

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**KENSINGTON, CA 94707**

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T: (650) 394-8869

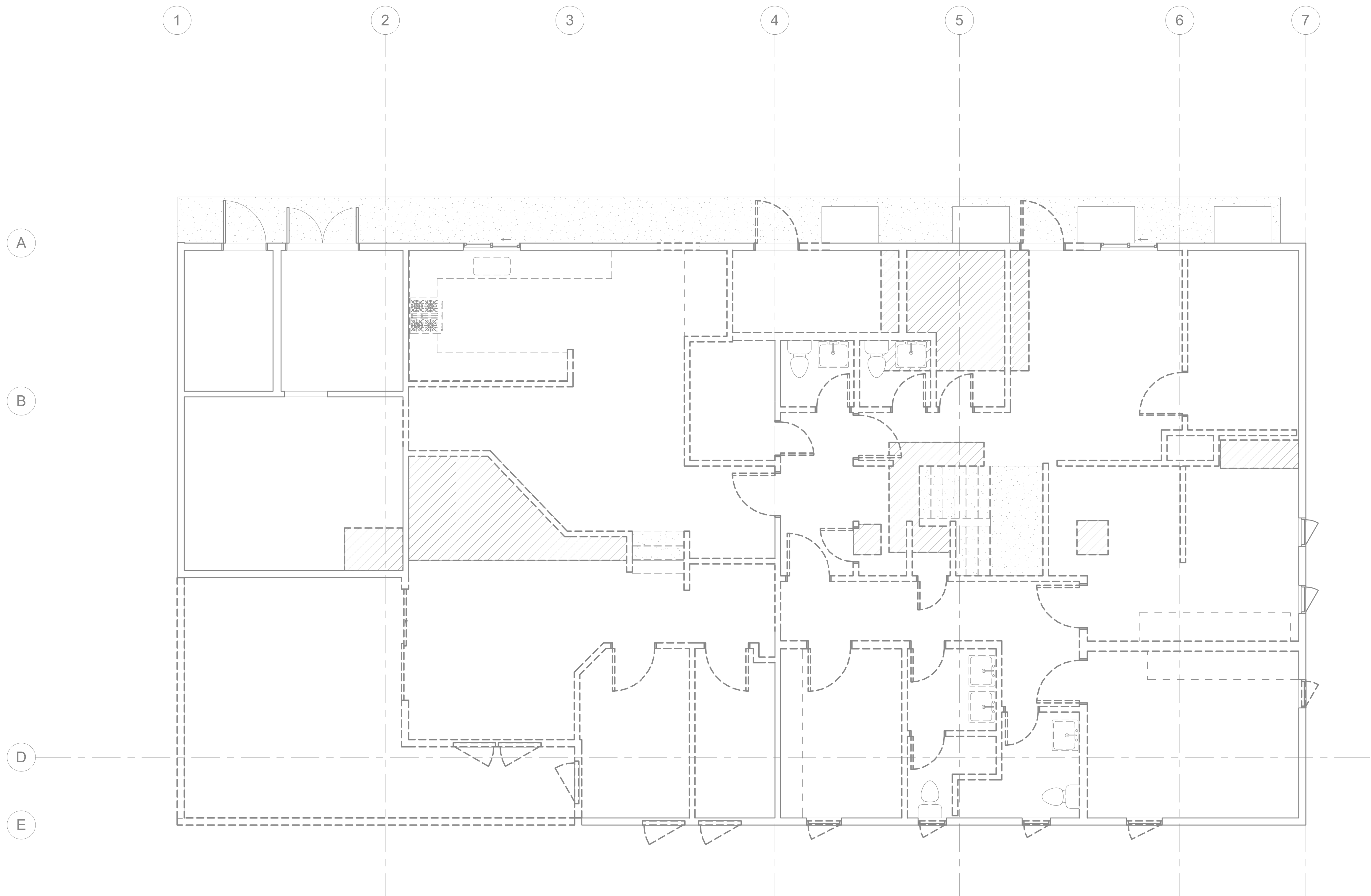
CIVIL: BKF ENGINEERS  
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CONTACT: ERIC SWANSON  
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NO.	DESCRIPTION	DATE

JOB NO. 0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
AUDIOVISUAL - SECOND FLOOR DEMOLITION PLAN

 **TA203**

① AUDIOVISUAL - SECOND FLOOR DEMOLITION PLAN  
1/4" = 1'-0"

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PROJECT ADDRESS  
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KENSINGTON, CA 94707

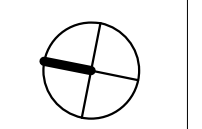
PROJECT TEAM  
CLIENT: CITY OF KENSINGTON  
217 ARLINGTON AVE  
KENSINGTON, CA 94707  
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ARCHITECT: MARJANG ARCHITECTURE  
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ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626



NO.	DESCRIPTION	DATE

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
AUDIOVISUAL - SECOND FLOOR PLAN



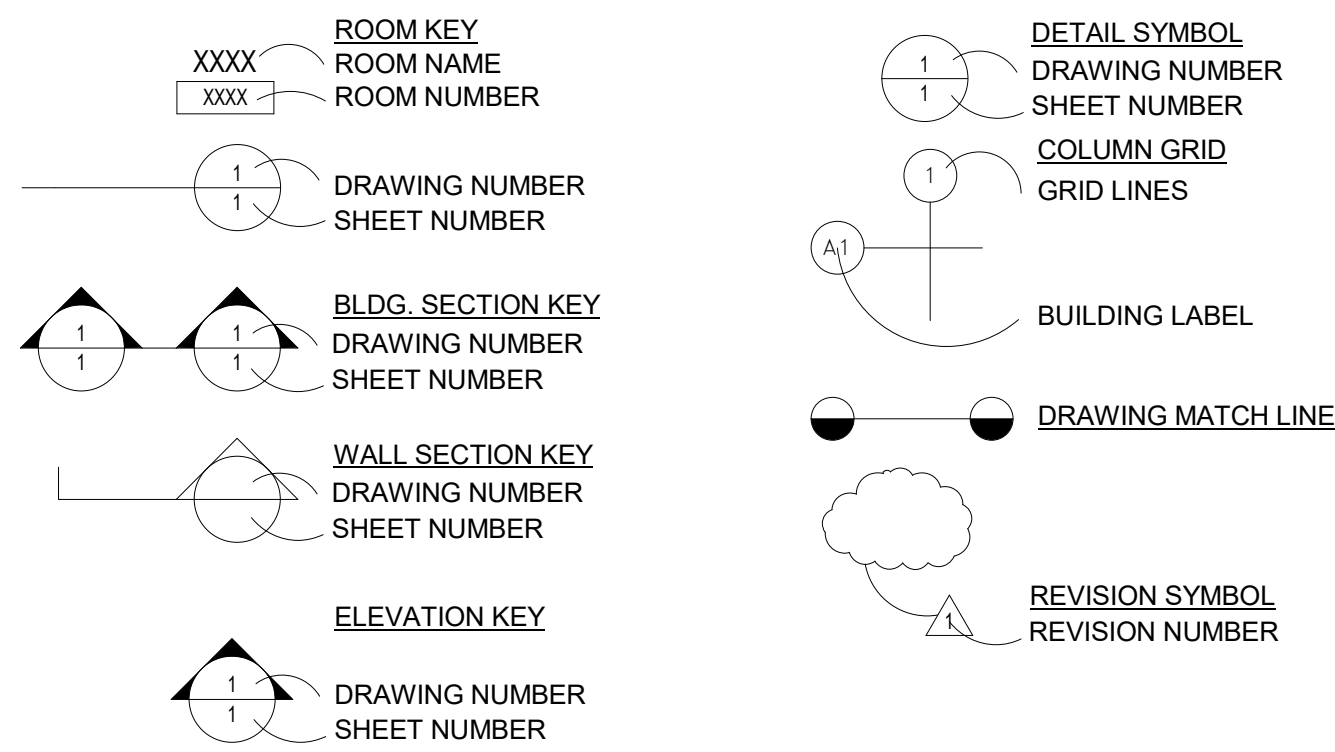
TA204

1 AUDIOVISUAL - SECOND FLOOR PLAN  
1/4" = 1'-0"

## COMMUNICATIONS SYSTEMS GENERAL NOTES

- REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.
- PROVIDE CONDUIT, BOXES AND FITTINGS SHOWN ON COMMUNICATIONS SYSTEMS (TN) SYSTEM DRAWINGS UNDER THE WORK OF SECTION 27 05 33 COMMUNICATIONS RACEWAYS, BOXES AND FITTINGS. UNLESS OTHERWISE INDICATED, PROVIDE 1 INCH TRADE SIZE MINIMUM. PROVIDE RACEWAY SIZE AS REQUIRED FOR A MAXIMUM OF 30 PERCENT WIRE FILL.
- PROVIDE FIRESTOPPING UNDER THE WORK OF SECTION 27 05 33 COMMUNICATIONS RACEWAYS, BOXES AND FITTINGS.
- LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS.
- DEVICE QUANTITIES SHOWN ON FLOOR PLANS AND REFLECTED CEILING PLANS TAKE PRECEDENCE OVER DEVICE QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS.
- QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON RACK ELEVATIONS.
- QUANTITIES SHOWN ON DEVICE SCHEDULES TAKE PRECEDENCE OVER QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS, FLOOR PLANS AND REFLECTED CEILING PLANS.
- LOCATIONS SHOWN ON LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON SMALL SCALE DRAWINGS.

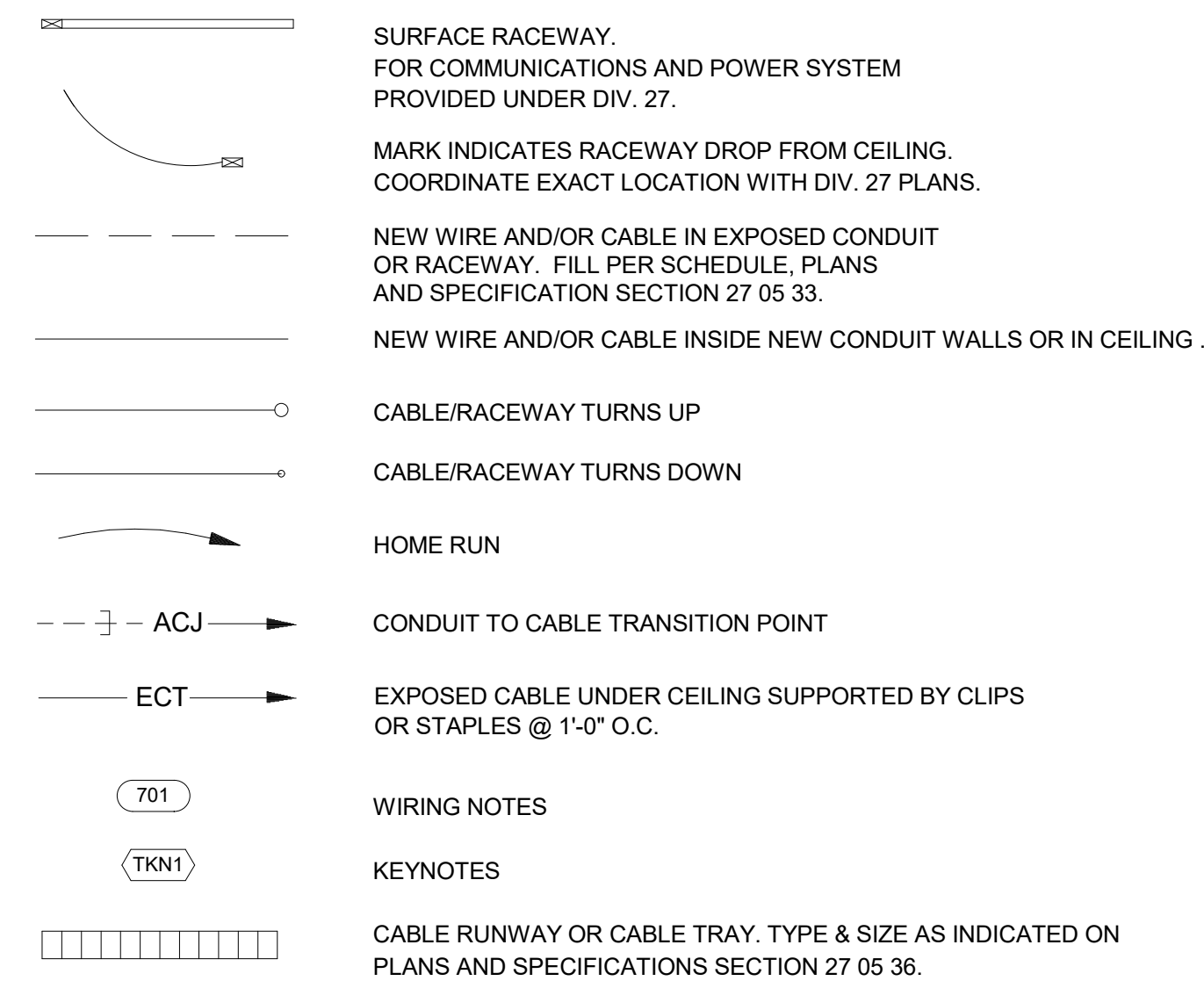
## GENERAL SYMBOLS



## MATERIAL & EQUIPMENT LEGEND

1IDP	1" INNERDUCT, PLENUM RATED	UTP5e-4	UNSHIELDED TWISTED PAIR, CAT. 5e
2IDP	2" INNERDUCT, PLENUM RATED	UTP5e-4P	UNSHIELDED TWISTED PAIR, CAT. 5e PLENUM
C5ePP	CATEGORY 5e PATCH PANEL	UTP5e-4OP	UNSHIELDED TWISTED PAIR, CAT. 5e OUTSIDE PLANT
C6PP	CATEGORY 6 PATCH PANEL	UTP6-4	UNSHIELDED TWISTED PAIR, CAT. 6
FOH-P	FIBER OPTIC CABLE HYBRID, PLENUM RATED	UTP6-4P	UNSHIELDED TWISTED PAIR, CAT. 6 PLENUM
FOH-OPR	FIBER OPTIC CABLE HYBRID, OUTSIDE PLANT RISER RATED	UTP6-4OP	UNSHIELDED TWISTED PAIR, CAT. 6 OUTSIDE PLANT
FOM-OPR	FIBER OPTIC CABLE, MULTI MODE OUTSIDE PLANT RISER RATED	110TBXX	110 TERMINAL BLOCK, CAT.5, XX-NO OF PAIRS
FOS-OPR	FIBER OPTIC CABLE, SINGLE MODE OUTSIDE PLANT RISER RATED	110PWTBXX	110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR, XX- NO OF PAIRS
FPP	FIBER PATCH PANEL	PWC3PP	PRE-WIRED, 50 PIN CONNECTOR (REAR) & RJ45 (FRONT) CAT.3 PATCH PANEL
FSC	FIBER SPLICE CLOSURE	TB15	TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.
FSP	FIBER SPLICE PANEL		
FTB	FIBER TERMINAL BOX		
IDF	INTERMEDIATE DISTRIBUTION FACILITY		
MDF	MAIN DISTRIBUTION FACILITY		
MM	MULTI MODE OPTICAL FIBER		
MMP	MULTIMEDIA PLATE		
MPOE	MINIMUM POINT OF ENTRY		
OSP	OUTSIDE PLANT		
SM	SINGLE MODE OPTICAL FIBER		
T.C.	TELECOMMUNICATIONS CLOSET		
T-OPD	TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY		

## LEGEND



## JUNCTION BOX SCHEDULE

SYMBOL	H (INCHES)	W (INCHES)	D (INCHES)
J1	6	6	4
J2	8	8	4
J3	12	12	4
J4	12	12	6
J5	12	12	8
J6	16	12	8
J7	18	18	6
J8	20	16	6
J9	20	16	8
J10	20	20	6
J11	20	20	8
J12	24	20	6
J13	24	20	8
J14	24	24	8
J15	30	24	8
J16	30	30	8
J17	36	30	8
J18	36	36	8
J19	48	24	6
J20	48	36	6
J21	48	48	6
J22	8	8	8
J23	10	10	8
J24	12	12	8
J25	16	12	8
J26	18	12	8
J28	18	18	8
J29	24	12	8
J30	24	18	8
J32	24	24	8
J33	30	24	8
J34	30	30	8
J35	36	24	8
J36	36	30	8
J37	36	36	8
J38	12	12	10
J39	18	12	10
J40	18	18	10
J41	24	12	10
J42	24	18	10
J43	24	24	10
J44	30	24	10
J45	30	30	10
J46	36	24	10
J47	36	36	10
J48	12	12	12
J49	18	18	12
J50	24	12	12
J51	24	18	12
J52	24	24	12
J53	30	24	12
J54	30	30	12
J55	36	24	12
J56	48	48	12
J57	30	30	16
J58	48	48	16
J59	48	48	16

**SUFFIX:**  
NONE - NEMA 1  
A - NEMA 12  
B - NEMA 3R  
C - NEMA 4  
D - NEMA 4X

**NOTE:**  
ALL JUNCTION BOXES TO BE HINGED TYPE, PROVIDED WITHOUT PRE-PUNCHED KNOCKOUTS. PENETRATIONS IN JUNCTION BOXES SHALL BE CUT OR PUNCHED AS REQUIRED FOR INSTALLATION. PAINT ALL INTERIOR BOXES TO MATCH WALL FINISH. COORDINATE FINISH WITH ARCH. PLANS.

## ABBREVIATIONS

1SR-1	SINGLE CHAMBER SURFACE RACEWAY
3SR-2.5	THREE CHAMBER SURFACE RACEWAY
A.D.A.	AMERICANS WITH DISABILITIES ACT
ADF	AREA DISTRIBUTION FACILITY
A.F.C.	ABOVE FINISHED CEILING
A.F.F.	ABOVE FINISHED FLOOR
ALT	ALTERNATE
A.M.F.F.	ABOVE MEZZANINE FINISHED FLOOR
BDF	BUILDING DISTRIBUTION FACILITY
B.F.C.	BELOW FINISHED CEILING
BLDG.	BUILDING
B.O.H.	BACK OF HOUSE
C.	CONDUIT
CAT.	CATEGORY
CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
COMM.	COMMUNICATIONS
C.L.	CENTERLINE
C.O.	CONDUIT ONLY
CONT.	CONTINUATION
CS	COMMUNICATIONS SYSTEM
(D)	DEMOLISH EXISTING
DED	DEDUCTIVE
∅, DIA.	DIAMETER
DIV	DIVISION
(E)	EXISTING
EA.	EACH
EIA	ELECTRONIC INDUSTRIES ASSOCIATION
ELEV.	ELEVATION
E.O.L.	END OF LINE
EQPT.	EQUIPMENT
FIN	FINISHED
FUT	FUTURE
H.R.	HOME RUN
HT.	HEIGHT
J. JBOX	JUNCTION BOX
LAN	LOCAL AREA NETWORK
MATV	MASTER ANTENNA TELEVISION
MAX.	MAXIMUM
MIN.	MINIMUM
MOD.	MODULAR
MON.	MONUMENT
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.E.	OWNER FURNISHED EQUIPMENT
OPP.	OPPOSITE
PNL.	PANEL
PROJ.	PROJECT
P.S.R.H.	PROJECT STANDARD RECEPTACLE HEIGHT +18" AFF. U.O.N.
P.S.S.H.	PROJECT STANDARD SWITCH HEIGHT +48" AFF TO ∅, U.O.N.
RE:	REFER TO
REF.	REFERENCE
SIM.	SIMILAR
SM	SINGLE MODE OPTICAL FIBER
SN	SHEET NOTE
SP	SHIELDED PAIR - SEE SPECIFICATIONS
SPEC	SPECIFICATION
S.R.	SURFACE RACEWAY
STD	STANDARD
STP	SHIELDED TWISTED PAIR
T.C.	TELECOMMUNICATIONS CLOSET
TEL	TELEPHONE
TELCOM	TELECOMMUNICATIONS
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
T-OPD	TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY
TP	TWISTED PAIR
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W/	WITH
WP	WEATHERPROOF

# MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.  
KENSINGTON, CA 94707

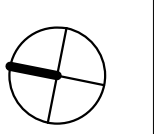
PROJECT TEAM

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

NO.	DESCRIPTION	DATE

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY  
BUILDING

DESCRIPTION  
GENERAL NOTES, LEGEND,  
SYMBOLS, ABBREVIATIONS AND  
JBOX SCHEDULE



# TN001

STAMP

PROJECT ADDRESS

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

PROJECT TEAM

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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.	27 05 33	FLOOR BOX FC6 WITH MANUFACTURERS "POUR PAN" TO PROTECT AT SLAB ON GRADE CONDITIONS.	R4	FLUSH IN FLOOR	AS SCHEDULED	COORDINATE COVER TYPE WITH ARCHITECT. SUBMIT CUT-SHEETS.		
3D ∇	DATA AND VOICE DEVICE PLATE. DN1	COMMUNICATIONS	INDICATED	27 05 33, 27 15 00	PROVIDE ONE (1) 5" SQUARE x 2.875" DEEP BOX WITH 1 GANG RING EQUAL TO RANDL INDUSTRIES 5 SQUARE.	R3	+18" AFF TO CL, U.O.N.	AS SCHEDULED	WHITE		
1B ∇	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			
[Rack] R15	FLOOR MOUNTED STATION CABLING/SWITCH RACK, 2 POST, 44 RU, SEISMIC RATED.	COMMUNICATIONS	FLOOR	27 11 16			BOLT TO SLAB		BLACK	250	
[Cabinet] 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

DN1                    SUBSCRIPT INDICATES QUANTITY OF CATEGORY 6 CABLES PROVIDED AT WAO.  
EXAMPLE:  
2D REPRESENTS 2 CAT6 CABLES AND JACKS TERMINATED AT THE INDICATED WAO AND SERVING TR.

DN2                    SUBSCRIPT INDICATES QUANTITY OF COAX CABLES PROVIDED AT WAO.  
BROADBAND VIDEO CABLING IS RG-6.  
EXAMPLE:  
1B IS 1 RG-6 TERMINATED AT THE INDICATED WAO AND SERVING TR.

LOCATION NOTES

LR1                    FLUSH IN FLOOR. COORDINATE EXACT LOCATION/DIMENSION WITH ARCHITECTURAL PLANS.

RACEWAY NOTES

R1                    3/4" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.

R2                    1" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.

R3                    1.25" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.

R4                    FOR AV, (2) 1-1/4" C TO 4 GANG COMPARTMENT STUBBED TO ACCESSIBLE CEILING. FOR TELECOM, (1) 1-1/4" TO 1 GANG COMPARTMENT AND HOMERUN THE CONDUIT UNDER THE SLAB DIRECTLY TO THE SERVING BDF OR IDF ROOM. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH-IN.

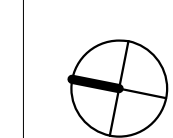
R5                    UNLESS OTHERWISE SHOWN, PROVIDE (1) 4" EMT SLEEVE, WITH INSULATED THROAT BUSHING AT EACH END, STUBBED OUT 4 INCHES FROM FACE OF WALL, AT ELEVATION APPROXIMATELY 6 INCHES ABOVE ACCESSIBLE CEILING. INSTALL SLEEVE IN AN ACCESSIBLE LOCATION AS DEFINED IN CALIFORNIA ELECTRICAL CODE, ARTICLE 100 DEFINITIONS. PROVIDE FIRESTOPPING UNDER WORK OF SECTION 27 05 33. BOND TO GROUND. COMPLY WITH DIVISION 26 AND SECTION 27 05 26 GROUNDING.

ACCESSIBLE CEILING IS A T-BAR OR SIMILAR GRID BASED, PANELIZED REMOVABLE CEILING MEETING THE DEFINITION FOR ACCESSIBLE WIRING METHODS IN ARTICLE 100 OF THE CALIFORNIA ELECTRICAL CODE.

NO.	DESCRIPTION	DATE

JOB NO.  
**0000    KENSINGTON PUBLIC SAFETY BUILDING**

DESCRIPTION  
**SYMBOL SCHEDULE**



**TN002**

STAMP

PROJECT ADDRESS  
217 ARLINGTON AVE.  
KENSINGTON, CA 94707

PROJECT TEAM

CLIENT: CITY OF KENSINGTON  
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ARCHITECT: MARJANG ARCHITECTURE  
830 COLE STREET STE 101  
SAN FRANCISCO, CA 94117  
CONTACT: KAREN MAR  
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1390 EL CAMINO REAL STE 100  
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1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
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GEOTECH: HALEY ALDRICH  
1956 WEBSTER ST #300  
OAKLAND, CA 94612  
CONTACT: CATHERINE ELLIS  
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MEP: LIST ENGINEERING CO.  
2 HARRIS CT STE A7  
MONTEREY, CA 93940  
CONTACT: RON BLUE  
T: (831) 373-4390

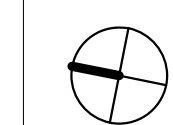
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.  
351 8TH STREET  
SAN FRANCISCO, CA 94103  
CONTACT: PETER MCDONALD  
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
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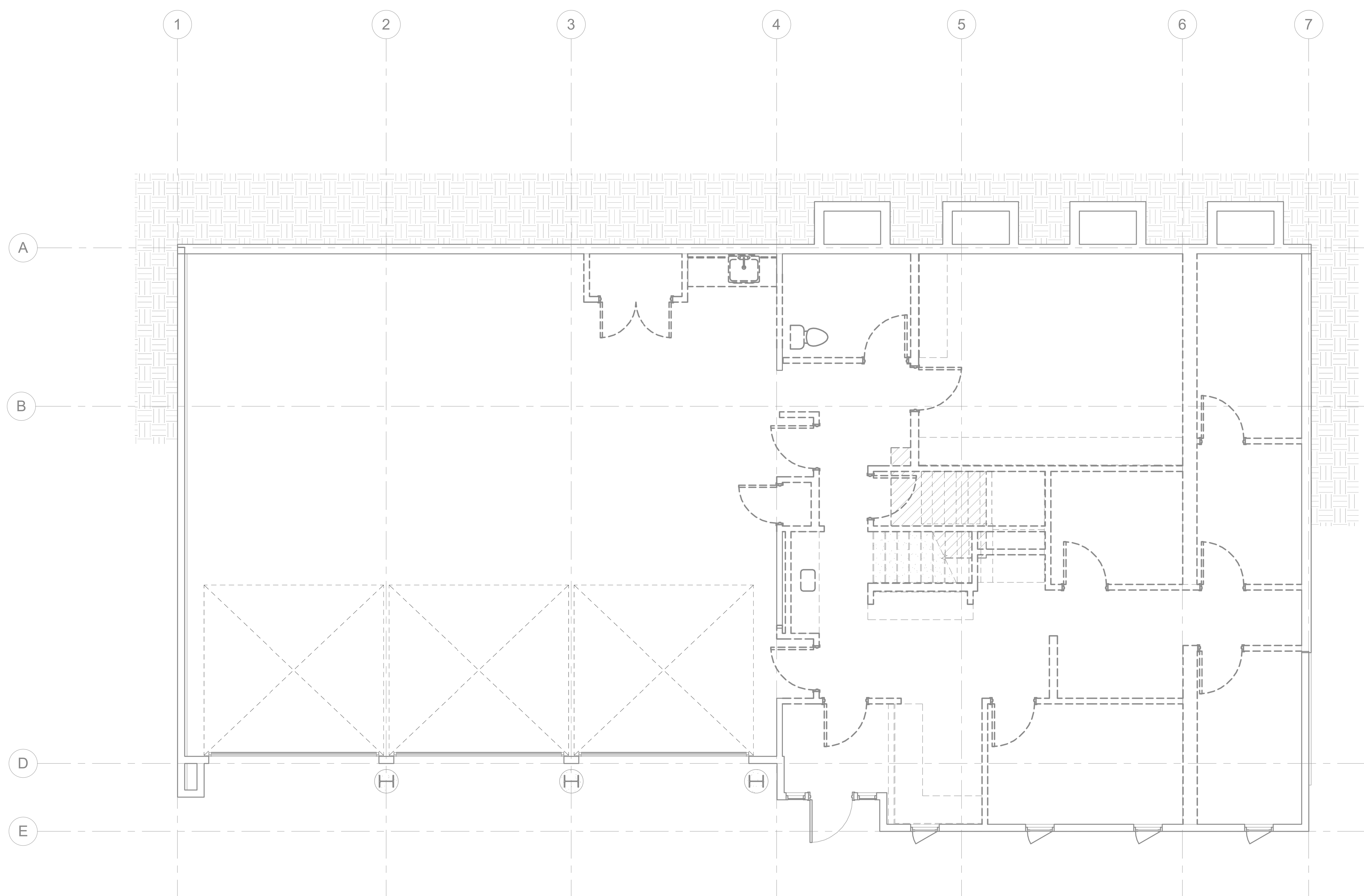
NO.	DESCRIPTION	DATE

JOB NO. 0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
COMMUNICATIONS - GROUND FLOOR DEMOLITION PLAN



**TN201**



1 COMMUNICATIONS - GROUND FLOOR DEMOLITION PLAN  
1/4" = 1'-0"

STAMP

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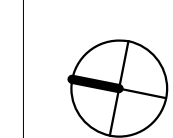
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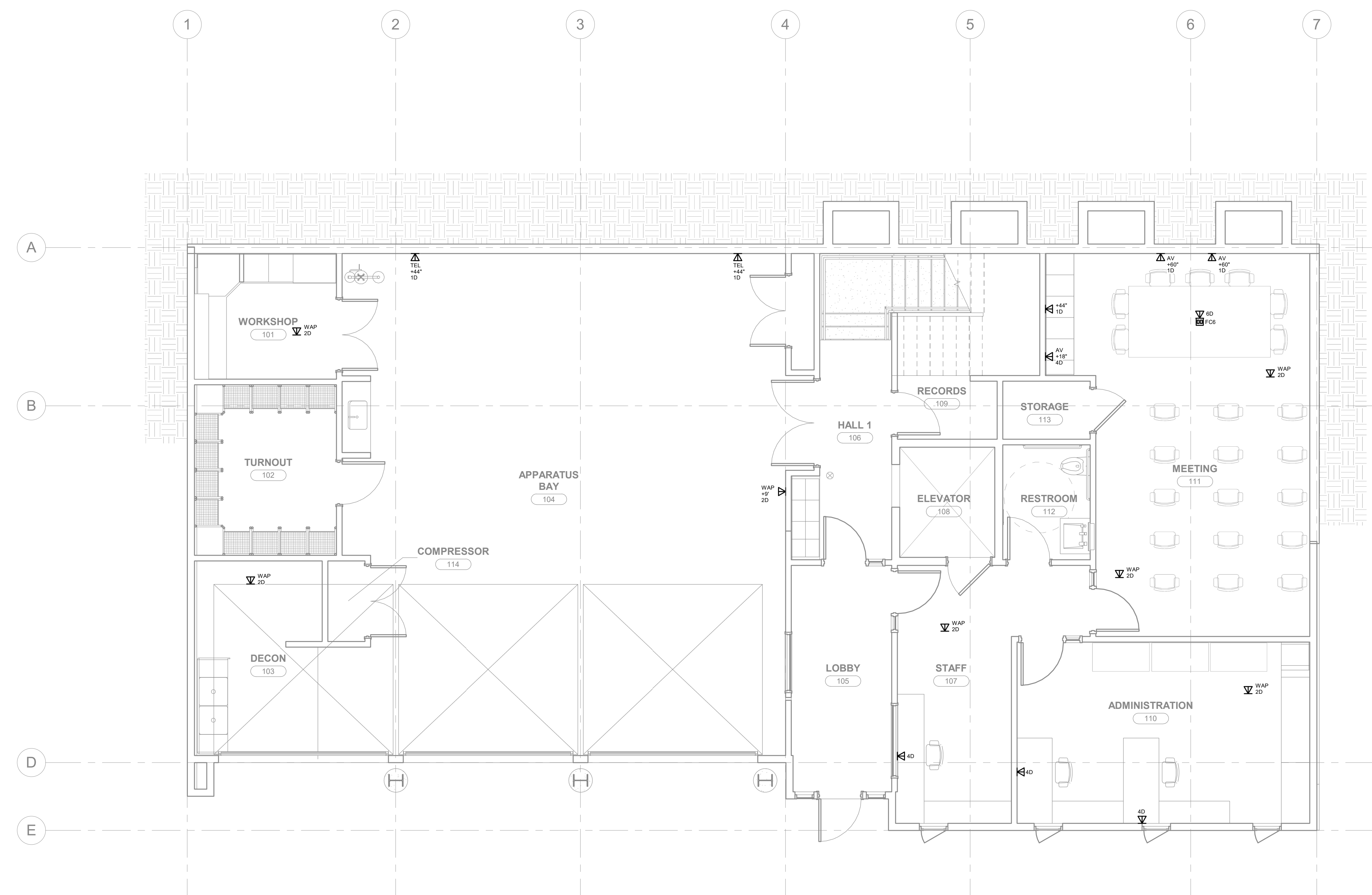
NO.	DESCRIPTION	DATE

JOB NO.  
**0000 KENSINGTON PUBLIC SAFETY  
BUILDING**

DESCRIPTION  
**COMMUNICATIONS - GROUND  
FLOOR PLAN**



## TN202



**1 COMMUNICATIONS - GROUND FLOOR PLAN**  
1/4" = 1'-0"



STAMP

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

PROJECT TEAM

CLIENT: CITY OF KENSINGTON  
217 ARLINGTON AVE  
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830 COLE STREET STE 101  
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS  
1390 EL CAMINO REAL STE 100  
SAN CARLOS, CA 94070  
CONTACT: MATT FRANZ  
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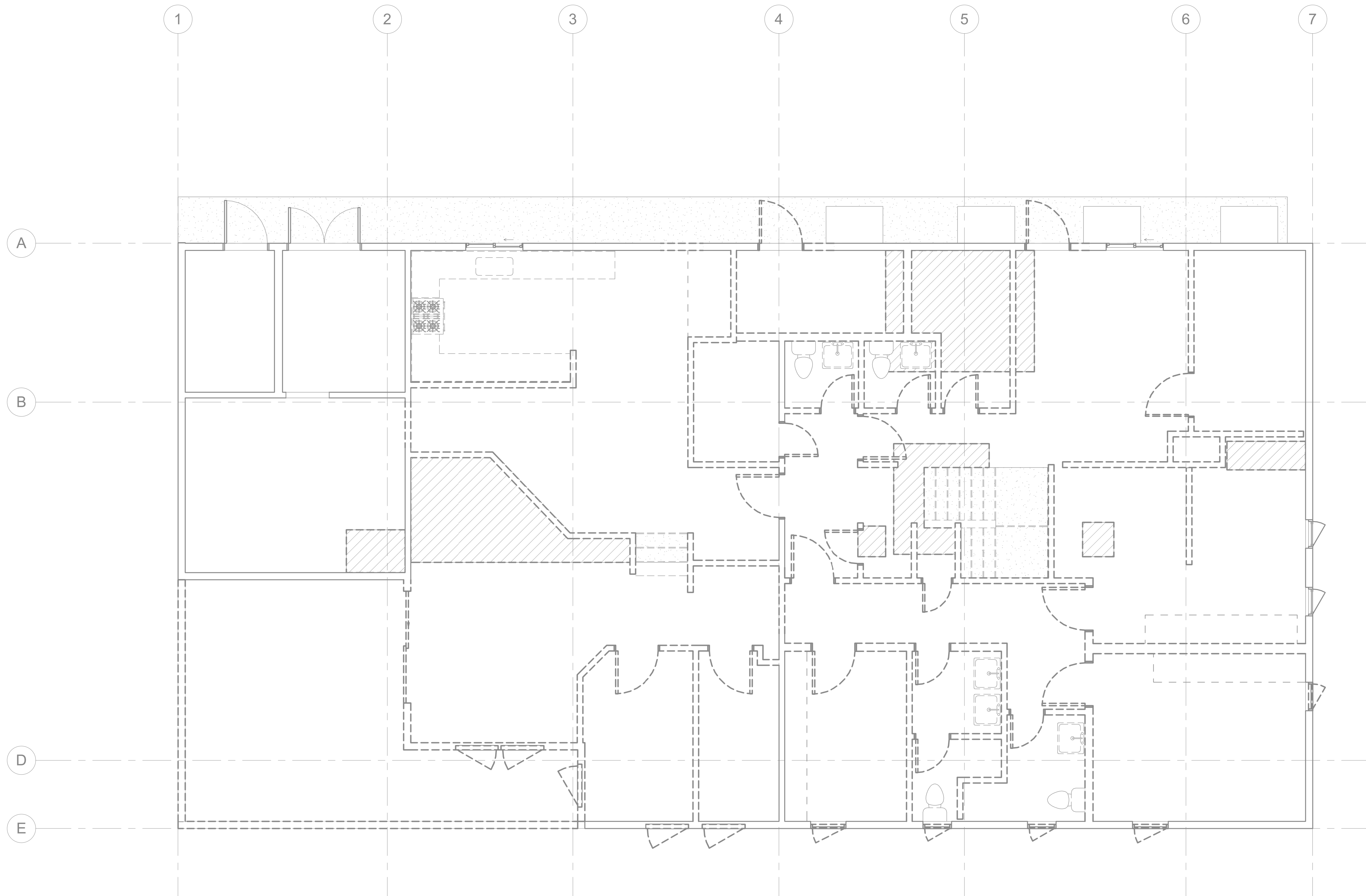
CIVIL: BKF ENGINEERS  
1646 N. CALIFORNIA BLVD STE 400  
WALNUT CREEK, CA 94596  
CONTACT: ERIC SWANSON  
T: (925) 940-2200

GEOTECH: HALEY ALDRICH  
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CONTACT: CATHERINE ELLIS  
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MEP: LIST ENGINEERING CO.  
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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  
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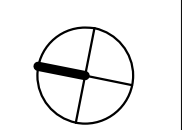
ESTIMATOR: MICROESTIMATION INC.  
850 S. VAN NESS AVE. #26  
SAN FRANCISCO, CA 94110  
CONTACT: HENRY TOORYANI  
T: (415) 826-9626



NO.	DESCRIPTION	DATE

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY  
BUILDING

DESCRIPTION  
COMMUNICATIONS - SECOND  
FLOOR DEMOLITION PLAN



**TN203**

1 COMMUNICATIONS - SECOND FLOOR DEMOLITION PLAN  
1/4" = 1'-0"



KEYNOTES

# MARJANG ARCHITECTURE

STAMP

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

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CLIENT: CITY OF KENSINGTON  
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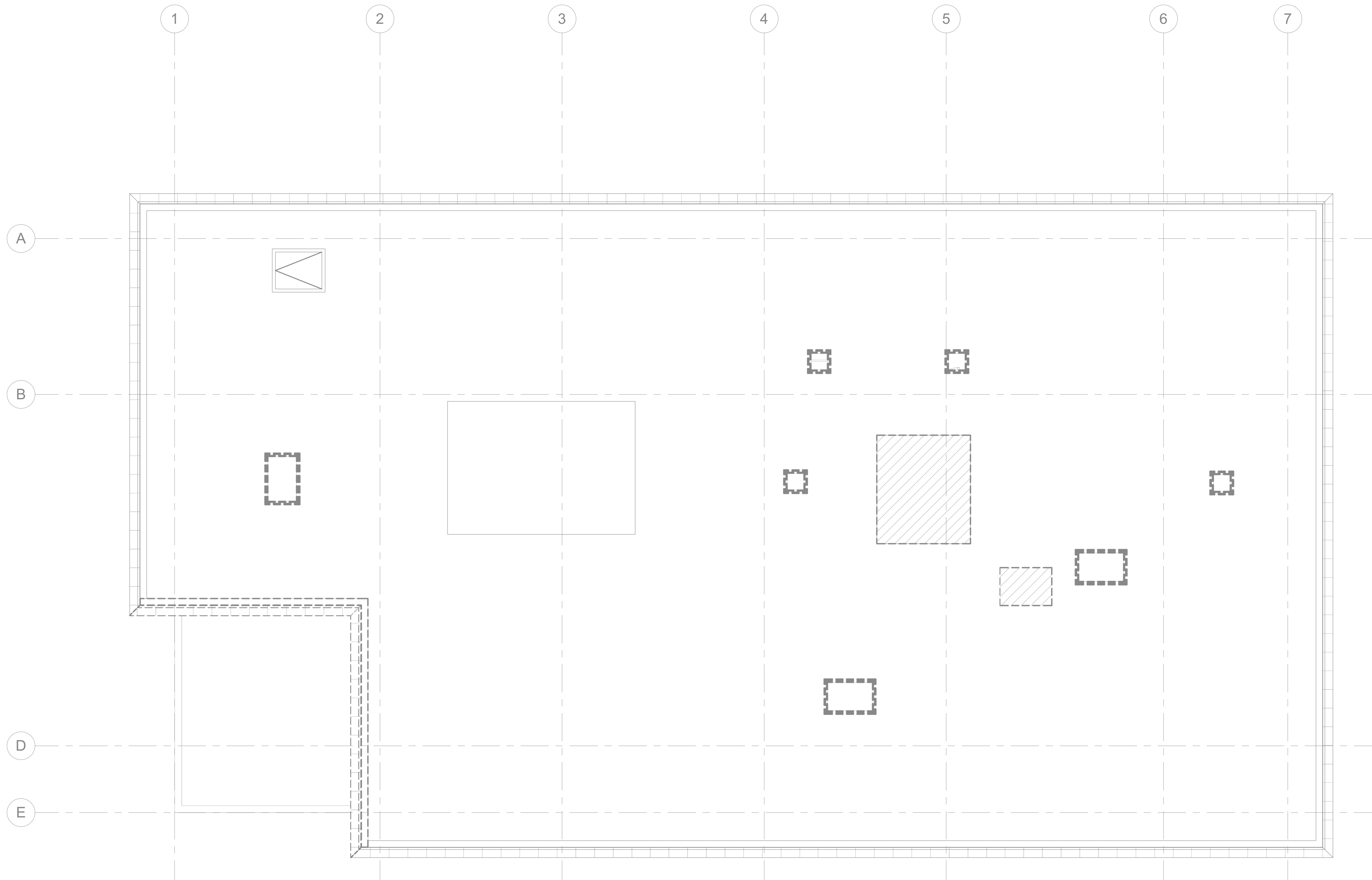
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NO.	DESCRIPTION	DATE

JOB NO.  
**0000 KENSINGTON PUBLIC SAFETY BUILDING**

DESCRIPTION  
**COMMUNICATIONS - ROOF PLAN**

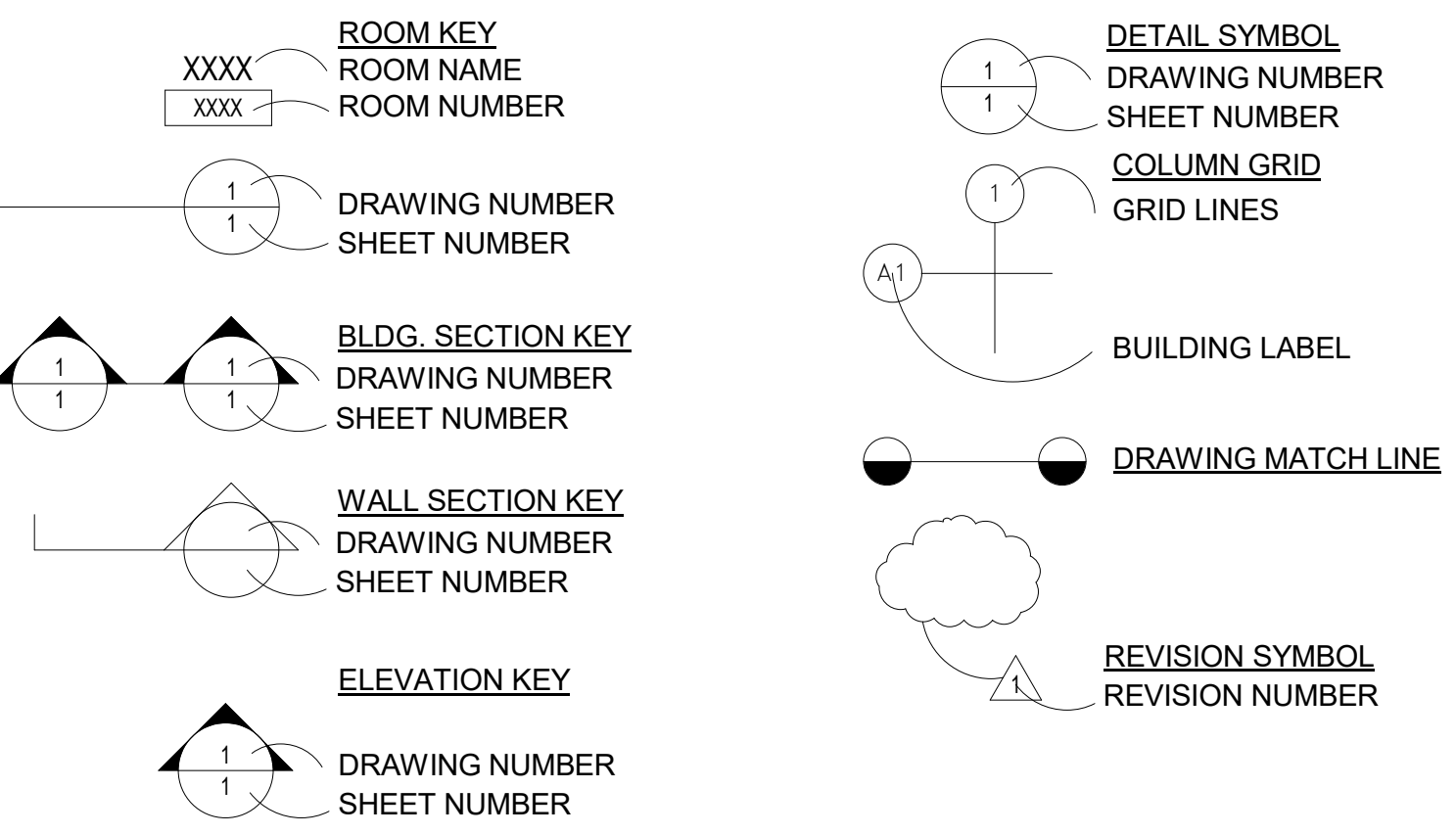
 **TN206**

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

# 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 3 INCHES SEPARATION IF RUNNING PARALLEL. MAINTAIN AT LEAST 3 INCHES OF SEPARATION VERTICALLY IF CROSSING AT RIGHT ANGLES.

# GENERAL SYMBOLS

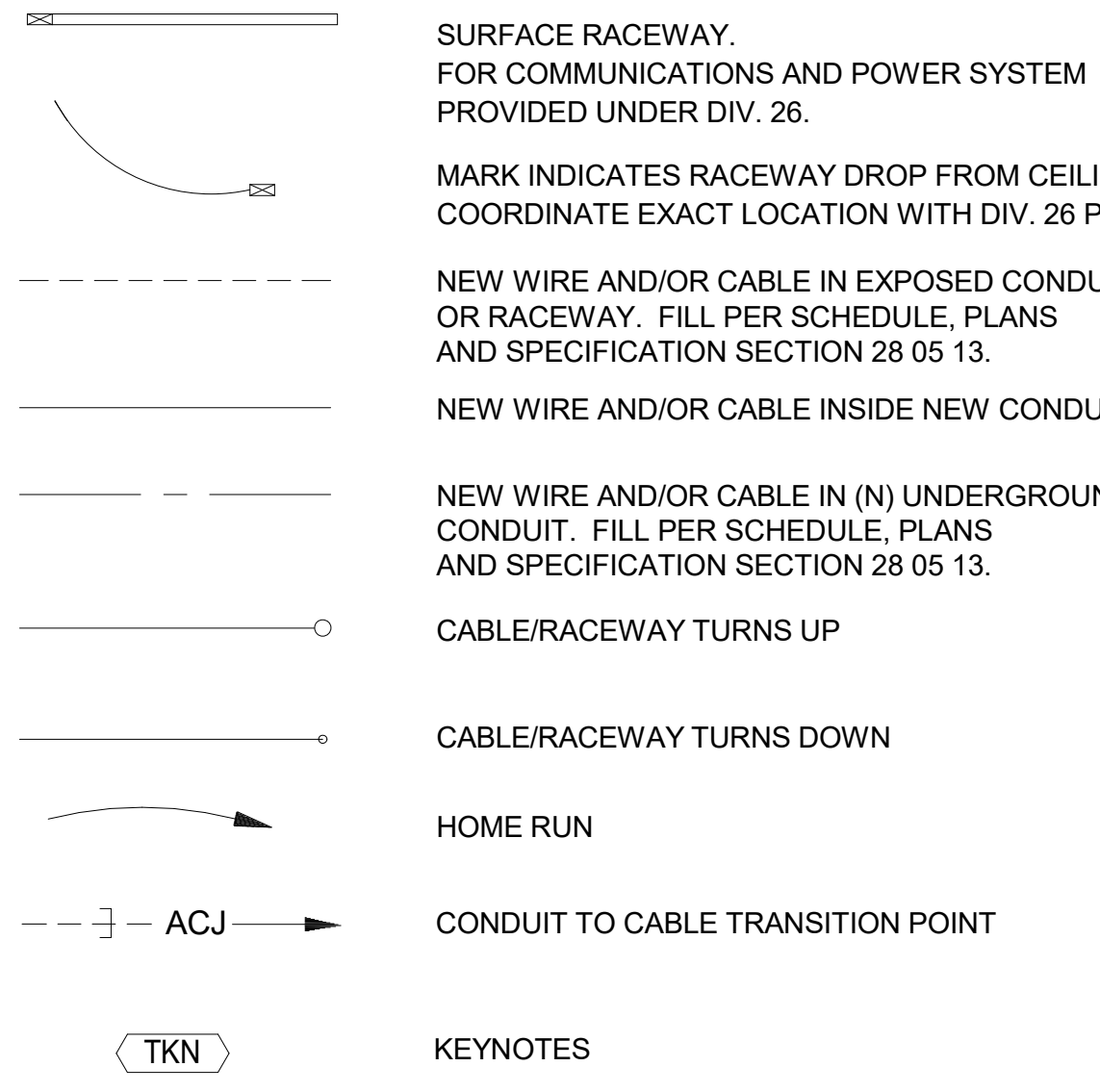


# MATERIAL & EQUIPMENT LEGEND

1IDP	1" INNERDUCT, PLENUM RATED	OSP	OUTSIDE PLANT
2IDP	2" INNERDUCT, PLENUM RATED	SM	SINGLE MODE OPTICAL FIBER
C5ePP	CATEGORY 5e PATCH PANEL	UTP5e-4	UNSHIELDED TWISTED PAIR, CAT. 5e
C6PP	CATEGORY 6 PATCH PANEL.	UTP5e-4P	UNSHIELDED TWISTED PAIR, CAT. 5e PLENUM
FOH-P	FIBER OPTIC CABLE HYBRID, PLENUM RATED	UTP5e-4OP	UNSHIELDED TWISTED PAIR, CAT. 5e OUTSIDE PLANT
FOH-OPR	FIBER OPTIC CABLE HYBRID, OUTSIDE PLANT RISER RATED	UTP6-4	UNSHIELDED TWISTED PAIR, CAT. 6
FOM-OPR	FIBER OPTIC CABLE, MULTI MODE OUTSIDE PLANT RISER RATED	UTP6-4P	UNSHIELDED TWISTED PAIR, CAT. 6 PLENUM
FOS-OPR	FIBER OPTIC CABLE, SINGLE MODE OUTSIDE PLANT RISER RATED	UTP6-4OP	UNSHIELDED TWISTED PAIR, CAT. 6 OUTSIDE PLANT
FPP	FIBER PATCH PANEL	110TBXX	110 TERMINAL BLOCK, CAT.5, XX-NO OF PAIRS
FSC	FIBER SPLICE CLOSURE	110PWTBXX	110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR, XX- NO OF PAIRS
FSP	FIBER SPLICE PANEL	TB15	TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.
FTB	FIBER TERMINAL BOX		
IDF	INTERMEDIATE DISTRIBUTION FACILITY		
MDF	MAIN DISTRIBUTION FACILITY.		
MM	MULTI MODE OPTICAL FIBER		
MMP	MULTIMEDIA PLATE		

**NOTE:**  
SEE SPECIFICATION SECTIONS FOR REFERENCE DESCRIPTIONS AND REQUIREMENTS. FOR OTHER MATERIAL AND EQUIPMENT TYPES REFER TO SPECIFICATIONS.

# LEGEND



# JUNCTION BOX SCHEDULE

SYMBOL	H (INCHES)	W (INCHES)	(INCHES)
J1	6	6	4
J2	8	8	4
J3	12	12	4
J4	12	12	6
J5	12	12	8
J6	16	12	6
J7	18	18	8
J8	20	16	6
J9	20	16	8
J10	20	20	6
J11	20	20	8
J12	24	20	6
J13	24	20	8
J14	24	24	8
J15	30	24	8
J16	30	30	8
J17	36	30	8
J18	36	36	8

**SUFFIX:**  
NONE - NEMA 1                          C - NEMA 4  
A - NEMA 12                          D - NEMA 4X  
B - NEMA 3R

**EXAMPLE:** J16C= 30"H X 30"W X 8"D HINGED NEMA 4 JBOX.

**NOTE 1**  
ALL JUNCTION BOXES TO BE HINGED TYPE, PROVIDED WITHOUT PRE-PUNCHED KNOCKOUTS. PENETRATIONS IN JUNCTION BOXES SHALL BE CUT OR PUNCHED AS REQUIRED FOR INSTALLATION. PAINT ALL INTERIOR BOXES TO MATCH WALL FINISH. COORDINATE FINISH WITH ARCH. PLANS.

# ABBREVIATIONS

1SR-1	SINGLE CHAMBER SURFACE RACEWAY
3SR-2.5	THREE CHAMBER SURFACE RACEWAY
A.D.A.	AMERICANS WITH DISABILITIES ACT
ADF	AREA DISTRIBUTION FACILITY
A.F.C.	ABOVE FINISHED CEILING
A.F.F.	ABOVE FINISHED FLOOR
ALT	ALTERNATE
A.M.F.F.	ABOVE MEZZANINE FINISHED FLOOR
BDF	BUILDING DISTRIBUTION FACILITY
B.F.C.	BELOW FINISHED CEILING
B.DG.	BUILDING
B.O.H.	BACK OF HOUSE
C.	CONDUIT
CAT.	CATEGORY
CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
COMM.	COMMUNICATIONS
C.L.	CENTERLINE
C.O.	CONDUIT ONLY
CONT.	CONTINUATION
CS	COMMUNICATIONS SYSTEM
(D)	DEMOLISH EXISTING
DED	DEDUCTIVE
ø, DIA.	DIAMETER
DIV	DIVISION
(E)	EXISTING
EA	EACH
EIA	ELECTRONIC INDUSTRIES ASSOCIATION
ELEV.	ELEVATION
E.O.L.	END OF LINE
EQPT.	EQUIPMENT
FIN	FINISHED
FUT	FUTURE
H.R.	HOME RUN
HT.	HEIGHT
J. JBOX	JUNCTION BOX
LAN	LOCAL AREA NETWORK
MATV	MASTER ANTENNA TELEVISION
MAX.	MAXIMUM
MIN.	MINIMUM
MOD.	MODULAR
MON.	MONUMENT
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.E.	OWNER FURNISHED EQUIPMENT
OPP.	OPPOSITE
PNL.	PANEL
PROJ.	PROJECT
P.S.R.H	PROJECT STANDARD RECEPTACLE HEIGHT +18" AFF, U.O.N.
P.S.S.H.	PROJECT STANDARD SWITCH HEIGHT +48" AFF TO Ⓞ, U.O.N.
RE:	REFER TO
REF.	REFERENCE
SIM.	SIMILAR
SM	SINGLE MODE OPTICAL FIBER
SN	SHEET NOTE
SP	SHIELDED PAIR - SEE SPECIFICATIONS
SPEC	SPECIFICATION
S.R.	SURFACE RACEWAY
STD	STANDARD
STP	SHIELDED TWISTED PAIR
T.C.	TELECOMMUNICATIONS CLOSET
TEL	TELEPHONE
TELCOM	TELECOMMUNICATIONS
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TP	TWISTED PAIR
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W/	WITH
WP	WEATHERPROOF

# MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS  
**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

NO.	DESCRIPTION	DATE

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	FINISH	DETAIL SHEET(S)
① PTZ	CCTV IP CAMERA, PTZ, INDOOR/OUTDOOR.	VISUAL SURVEILLANCE	WALL OR CLG AS INDICATED	28 23 00	FLUSH 4S BOX. 2 G. RING	(1) 1" C. STUBBED UP TO ACCESSIBLE CEILING.	AS SCHEDULED	1 CAT 6 CABLE PER DIV 27.	AS SPECIFIED	TY-902
③	CCTV IP CAMERA, 180 DEGREE CAPABLE, THREE SENSOR MINIMUM, FIXED FOCUS, INDOOR/OUTDOOR.	VISUAL SURVEILLANCE	WALL OR CLG AS INDICATED	28 23 00	FLUSH 4S BOX. 2 G. RING	(1) 1" C. STUBBED UP TO ACCESSIBLE CEILING.	AS SCHEDULED	1 CAT 6 CABLE PER DIV 27.	AS SPECIFIED	TY-902
①	CCTV IP CAMERA, 90 DEGREE CAPABLE, SINGLE SENSOR, FIXED FOCUS, INDOOR/OUTDOOR.	VISUAL SURVEILLANCE	WALL OR CLG AS INDICATED	28 23 00	FLUSH 4S BOX. 2 G. RING	(1) 1" C. STUBBED UP TO ACCESSIBLE CEILING.	AS SCHEDULED	1 CAT 6 CABLE PER DIV 27.	AS SPECIFIED	TY-902
HCN	CARD READER, NARROW, DOOR MULLION MOUNT TYPE.	ACCESS CONTROL	INDICATED	28 05 28 28 13 00	MOUNT ON DOOR MULLION.	SEE TY-901	+44" AFF TO CL U.O.N.	SEE ACS FUNCTIONAL DIAGRAM	AS SPECIFIED	TY9.1
HOR	CARD READER	ACCESS CONTROL/IDS	INDICATED	28 05 28 28 13 00	FLUSH 4S BOX, 2-1/8" DEEP MIN., 1 GANG RING	SEE TY-901	+44" AFF TO CL U.O.N.	SEE ACS FUNCTIONAL DIAGRAM	AS SPECIFIED	TY9.1
CKP	CARD READER, MULTI-PROTOCOL PROX/SMART WITH INTEGRAL KEYPAD. PROVIDE A HOOD ON ALL EXTERIOR LOCATIONS.	ACCESS CONTROL/IDS	INDICATED	28 05 28 28 13 00	FLUSH 4S BOX, 2-1/8" DEEP MIN., 1 GANG RING. PROVIDE COVER ON ALL EXTERIOR LOCATIONS.	SEE TY-901	+44" AFF TO CL U.O.N.	SEE ACS FUNCTIONAL DIAGRAM	AS SPECIFIED	TY-901
DO	DOOR OPERATOR FOR ADA PUSH PLATE.	ACCESS CONTROL	PEDESTAL	WO 2		SEE TY-901	AS DETAILED ON ARCH PLANS	SEE ACS FUNCTIONAL DIAGRAM		TY-901
DS	DOOR POSITION SWITCH	ACCESS CONTROL/IDS	LRI 1	28 13 00	LRI 1	SEE TY-901	AS DETAILED			TY-901
DU	ROLL-UP DOOR POSITION SWITCH	ACCESS CONTROL/IDS		28 16 19		SEE TY-901	AS DETAILED	SEE ACS FUNCTIONAL DIAGRAM		TY-901
EL	ELECTRIC LOCK	ACCESS CONTROL/IDS	INDICATED	WO1	MUD BOX AT SOLID GROUTED DOOR FRAMES	SEE TY-901	WIRE TO MIDDLE HINGE OF DOOR OPPOSITE LOCK			TY-901
ER	ELECTRIC LOCK WITH INTEGRAL REX MICROSWITCH	ACCESS CONTROL/IDS	INDICATED	08 71 00 WO1	MUD BOX AT SOLID GROUTED DOOR FRAMES	SEE TY-901	AS DETAILED	PER FUNCTIONAL		TY-901
GC	GARAGE ROLL-UP DOOR/PARKING GATE MOTOR CONTROLLER	INTRUSION DETECTION	INDICATED	28 1300	N/A - STUB TO MOTOR CONTROLLER AT LV TERMINAL SIDE.	(1) 3/4" C. STUBBED UP TO ACCESSIBLE CEILING.		AS REQUIRED - COORDINATE INTERFACE TYPE WITH WORK OF DIV 8 AND 26.		
HS	HATCH SWITCH	ACCESS CONTROL/IDS	ACCESS HATCH	28 13 00	AS SPECIFIED	(1) 1/2" C. UP TO ACCESSIBLE CEILING	ACCESS HATCH	PER MANUFACTURER'S RECOMMENDATION		
LA	DOOR LOCAL ALARM	ACCESS CONTROL/IDS	INDICATED	28 13 00	4S BOX W/ 1 G RING, U.O.N.	(1) 3/4" C. STUBBED UP TO ACCESSIBLE CEILING.	+84" AFF TO CL U.O.N.	SEE ACS FUNCTIONAL DIAGRAM	AS SPECIFIED	
PO	POWERED OPERATOR, MOTOR ASSISTED DOOR	ACCESS CONTROL	INDICATED	WO2	N/A - STUB TO MOTOR CONTROLLER AT LV TERMINAL SIDE.	SEE TY-901	ABOVE THE DOOR FRAME.	SEE ACS FUNCTIONAL DIAGRAM	N/A	
RB	RELEASE DOOR BUTTON, CASEWORK MOUNTED	ACCESS CONTROL	UNDERSIDE OF CASEWORK	28 16 19	AS SPECIFIED	(1) 3/4" C. STUBBED UP TO ACCESSIBLE CEILING.	TOP OF CASEWORK	SEE ACS FUNCTIONAL DIAGRAM		
REX	REQUEST-TO-EXIT BUTTON, WALL MOUNTED	ACCESS CONTROL/IDS	INDICATED	28 16 19	4S BOX W/ 1 G RING, U.O.N.	SEE TY-901	+44" AFF TO CL U.O.N.			TY-901
VI	VIDEO IP INTERCOM STATION AT DOOR, OFOI. PROVIDE ROUGH-IN ONLY.	TELECOMMUNICATIONS	AT DOOR	28 23 00	4S BOX W/ 2 G RING, U.O.N.	(1) 3/4" C. STUBBED UP TO ACCESSIBLE CEILING.	+44" AFF TO CL U.O.N.	1 CAT 6 CABLE PER DIV 27.	AS SPECIFIED	
VM	VIDEO IP MASTER STATION, OFOI. PROVIDE ROUGH-IN ONLY.	TELECOMMUNICATIONS	WALL	28 23 00	4S BOX W/ 2 G RING, U.O.N.	(1) 3/4" C. STUBBED UP TO ACCESSIBLE CEILING.	+44" AFF TO CL U.O.N.	1 CAT 6 CABLE PER DIV 27.	AS SPECIFIED	
WS	WINDOW POSITION SWITCH	ACCESS CONTROL/IDS	WINDOW	28 13 00	AS SPECIFIED	(1) 1/2" C. UP TO ACCESSIBLE CEILING	WINDOW	PER MANUFACTURER'S RECOMMENDATION		

**NOTE NO. WORK OF NOTES**

- WO1 ELECTRIC LOCK, ELECTRIC STRIKE, TRANSFER HINGE AND PANIC DOOR REX INTEGRATED IN PANIC HARDWARE BY DIV. 8, LOW VOLTAGE FIELD WIRING AND POWER SUPPLIES BY DIVISION 28
- WO2 MOTOR ASSISTED POWER DOOR OPERATOR BY DIVISION 8 AND 26. DOOR ENTRY FROM UNSECURE SIDE UNDER CONTROL OF ACCESS CONTROL SYSTEM.

**NOTE NO. LOCATION & ROUGH-IN NOTES**

- LRI 1 TOP OF DOOR AND IN DOOR FRAME, NOT MORE THAN 6" FROM JAMB SIDE. INSTALLATION SHALL NOT COMPROMISE FIRE RATING OF DOOR.
- LRI 2 4S BOX W/ 1 GANG RING AND BLANK COVER PLATE
- LRI 3 4S BOX W/ BLANK COVER PLATE W/ GROMMET OPENING MTD WITHIN 6" OF LATCH AT UNDERSIDE OF ROOF. EXTEND HS TO HATCH FRAME AND INSTALL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.
- LRI 4 SURFACE MOUNT ON DOOR FRAME. INSTALLATION SHALL NOT COMPROMISE FIRE RATING OF DOOR.

**MARJANG ARCHITECTURE**

STAMP

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KENSINGTON, CA 94707**

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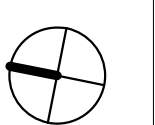
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NO.	DESCRIPTION	DATE

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
SYMBOL SHCHEDULE



**TY002**

STAMP

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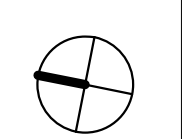
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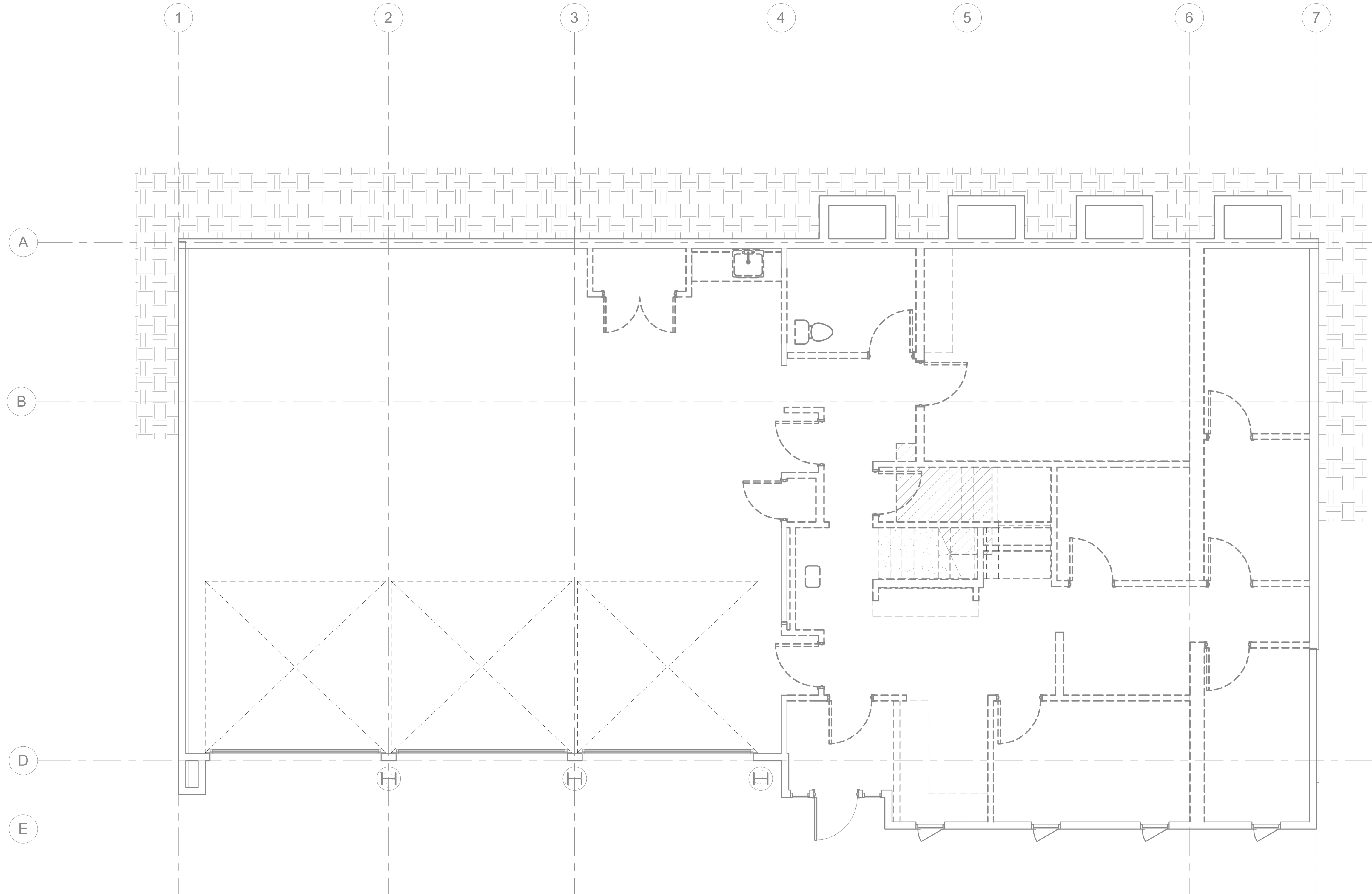
NO.	DESCRIPTION	DATE

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
ELEC. SECURITY - GROUND FLOOR DEMOLITION PLAN



# TY201



1 ELEC. SECURITY - GROUND FLOOR DEMOLITION PLAN  
1/4" = 1'-0"

KEYNOTES

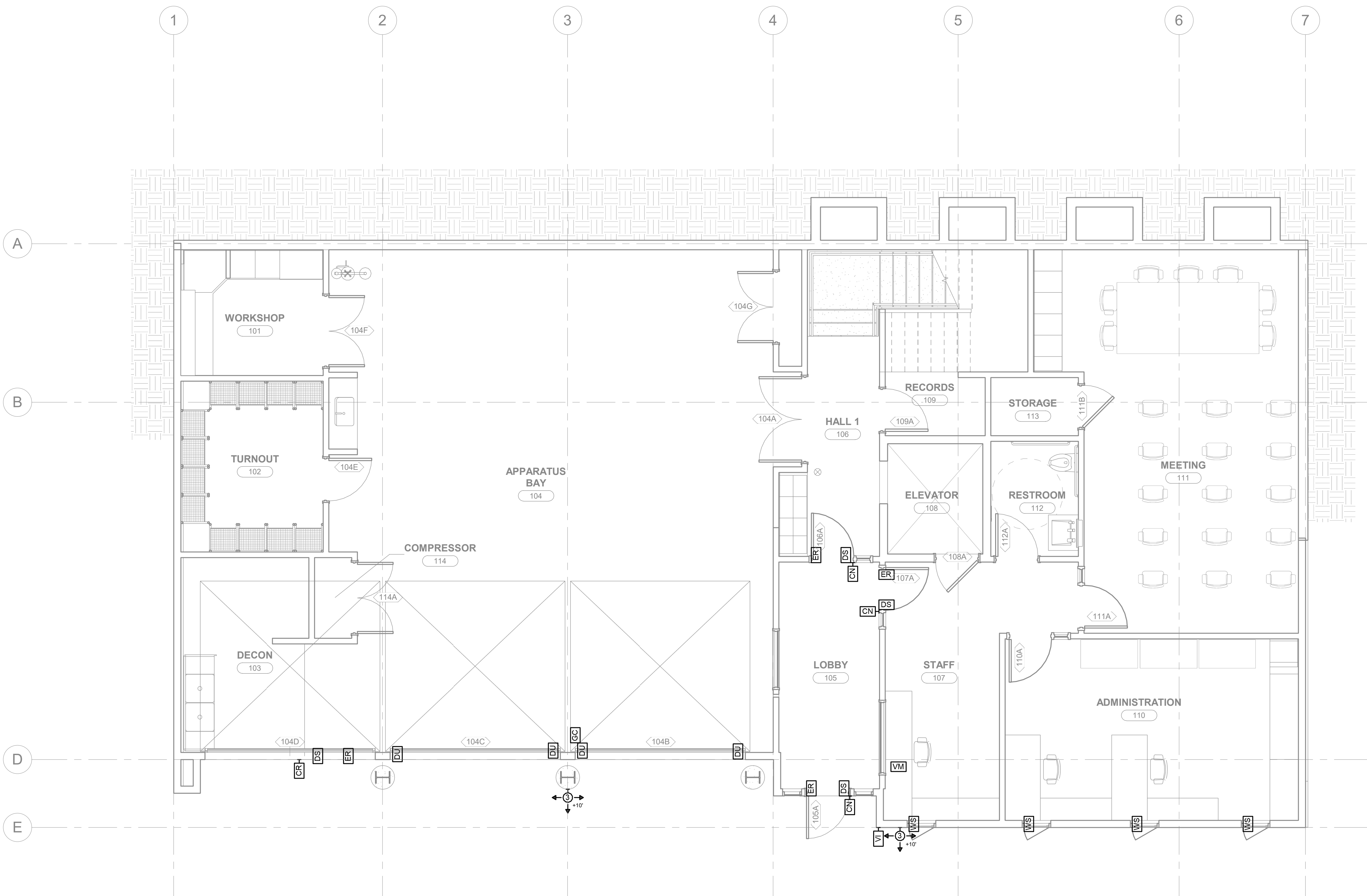
**MARJANG**  
ARCHITECTURE

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NO.	DESCRIPTION	DATE

JOB NO. 0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
ELEC. SECURITY - GROUND FLOOR PLAN

**TY202**

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**1 ELEC. SECURITY - GROUND FLOOR PLAN**  
1/4" = 1'-0"

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KEYNOTES

MARJANG ARCHITECTURE

STAMP

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KENSINGTON, CA 94707

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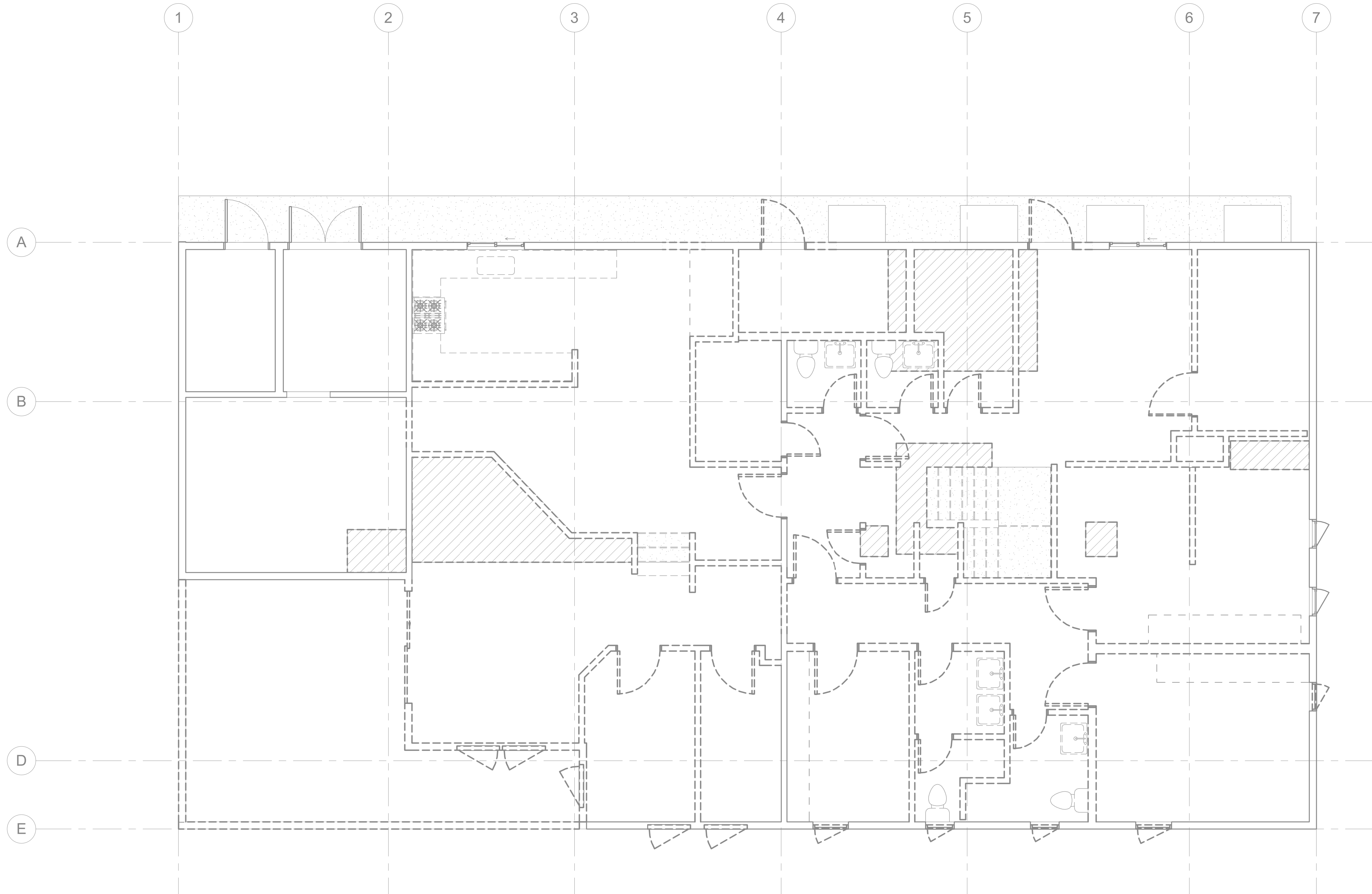
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CONTACT: HENRY TOORYANI  
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NO.	DESCRIPTION	DATE

JOB NO.  
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
ELEC. SECURITY - SECOND FLOOR DEMOLITION PLAN

TY203

1 ELEC. SECURITY - SECOND FLOOR DEMOLITION PLAN  
1/4" = 1'-0"

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SHEET NOTES

1 FUNCTIONAL BLOCK DIAGRAMS ARE DIAGRAMMATIC. CONTRACTOR TO SUBMIT SHOP DRAWINGS INDICATING EXACT QTY AND LOCATION OF ACCESS CONTROLLERS AND RELATED HARDWARE REQUIRED TO MEET THE FUNCTIONAL REQUIREMENTS OF THE PROJECT.

KEYNOTES

- TKA ARCHITECTURAL: COMPLY WITH DIVISIONS 3 THROUGH 14 - SEE ARCHITECTURAL DRAWINGS.
- TKA1 DOOR POWER OPERATOR, WHERE OCCURS - REFER TO DOOR SCHEDULE AND DIVISION 8 SPECIFICATIONS.
- TKN TELECOMMUNICATIONS & ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISIONS 27 & 28.
- TKN1 PROVIDE AS MANY AS REQUIRED TO SUPPORT ALL END DEVICES AND SENSORS. REFER TO PLANS FOR QUANTITY.
- TKN2 NOT USED.
- TKN3 PROVIDE WIRE GAGE, SHIELDING, PAIR COUNT AND CONSTRUCTION AS REQUIRED TO SUIT DEVICE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. BRING ALL CONTACT POINTS BACK TO THE SECURITY ELECTRONICS TERMINAL ENCLOSURES AT THE IDF ROOMS - DO NOT LOOP OR DAISY CHAIN ANY FIELD DEVICES UNLESS THEY ARE SPECIFIED AS DIGITALLY ADDRESSABLE TYPE. PROVIDE JACKET TYPE IN CONFORMANCE WITH THE INSTALLATION CONDITIONS AND THE CALIFORNIA ELECTRIC CODE.
- TKN4 PLACE ALL SECURITY ELECTRONICS WIRING INSIDE TR'S AREA IN METALLIC RACEWAY FROM THE POINT OF ENTRY TO ROOM. WITHIN TR ROOM, PROTECT IN SURFACE MOUNTED GUTTER AT BACKBOARDS.
- TKN5 THE ADA DOOR OPERATOR/ACTUATOR SHALL BE CONTROLLED BY THE ACS CONTROLLER.
- TKN6 CAT 6 PATCH CORDS. PROVIDE QTY. AS REQUIRED.
- TKN7 MULTIMEDIA PLATE (BISCUIT BOX) BY FOR TERMINATION OF STATION CABLING. CONCEAL INSIDE ACS GUTTER.
- TKN8 PROVIDE POWER SUPPLY WITH 2-HR BATTERY BACKUP, AS SPECIFIED.
- TKN9 1 CAT 6 CABLE. REFER TO PLANS.
- TKN10 INPUT CLOSURE FROM FIRE ALARM PANEL. COORDINATE WITH THE CITY WHICH DOORS REQUIRE TO BE UNLOCKED.
- TKN11 WORK OF DIV. 27.

SEQUENCE OF OPERATION

- S01 IN THE NORMAL STATE, THE DOOR IS CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED FROM THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE AND BY DOOR HARDWARE FROM THE SECURED SIDE. THE REQUEST-TO-EXIST MICROSWITCH, OPERATED BY THE SECURED SIDE DOOR HARDWARE, WILL SHUNT THE ALARM. IF THE DOOR IS HELD PAST THE PRESET OPEN TIME OR IF THE DOOR IS LEFT OPEN OR IS FORCED OPEN, AN ALARM WILL BE SENT TO THE ELECTRONIC SYSTEM NETWORK UNTIL THE DOOR IS CLOSED. IF THE DOOR IS OPENED FROM THE UNSECURED SIDE WITH A KEY, A DOOR FORCED ALARM WILL BE GENERATED.
- S02 AFTER OFFICE HOURS, THE HANDICAP DOOR OPERATOR (DO) AT THE UNSECURED SIDE WILL BE NON-OPERATIONAL UNLESS A VALID ACCESS CARD IS PRESENTED TO THE CARD READER AFTER WHICH, PRESSING THE HANDICAP DOOR OPERATOR WILL UNLOCK AND OPEN THE DOOR.

STAMP

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PROJECT TEAM

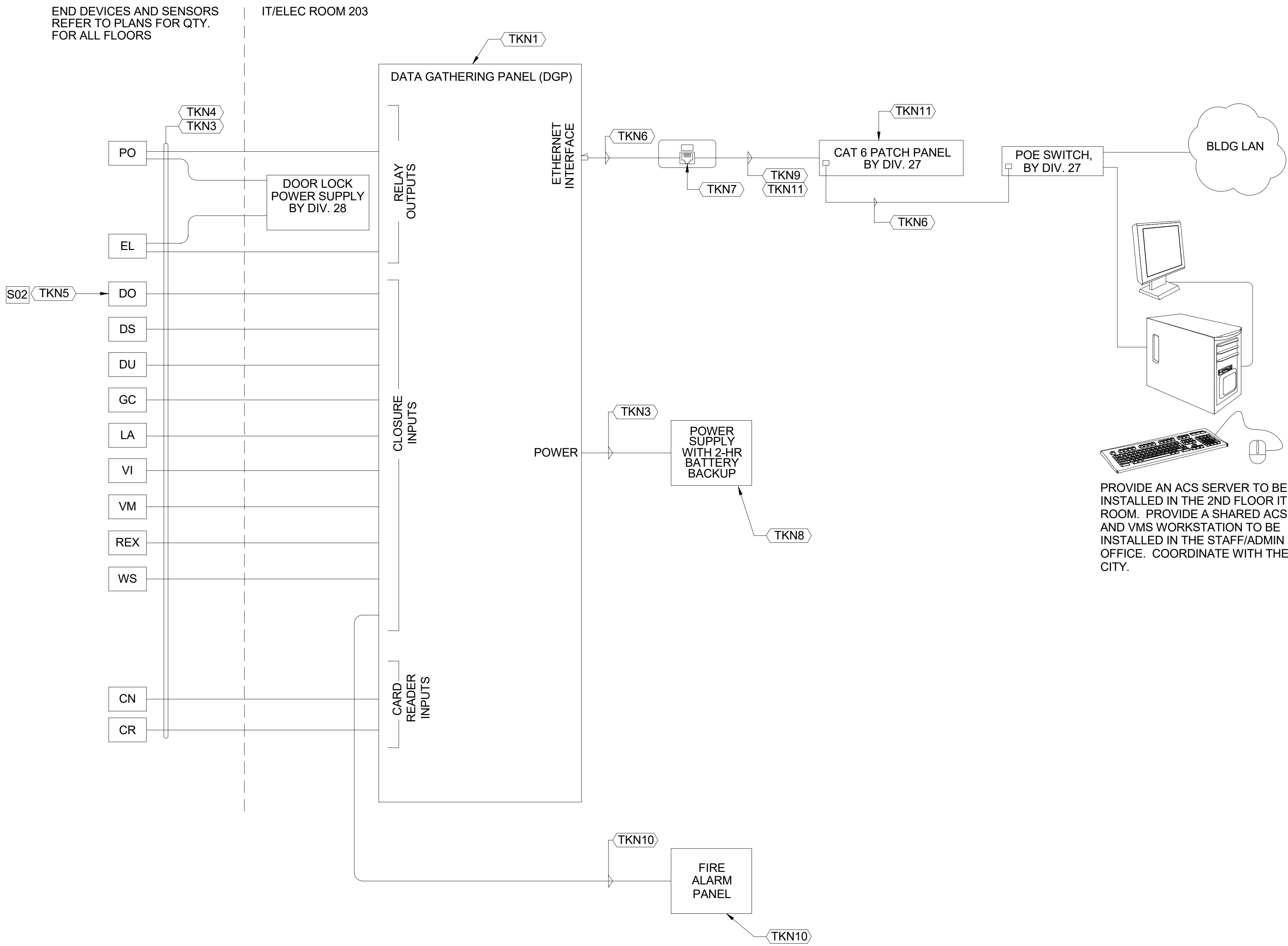
- CLIENT: CITY OF KENSINGTON  
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NO.	DESCRIPTION	DATE

JOB NO.  
 0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
 ACCESS CONTROL AND IDS SINGLE LINE DIAGRAM

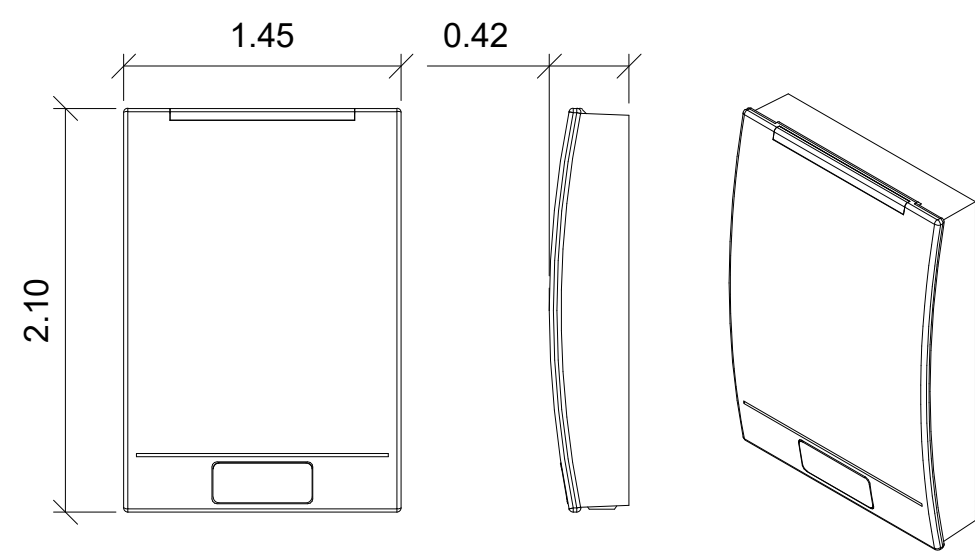
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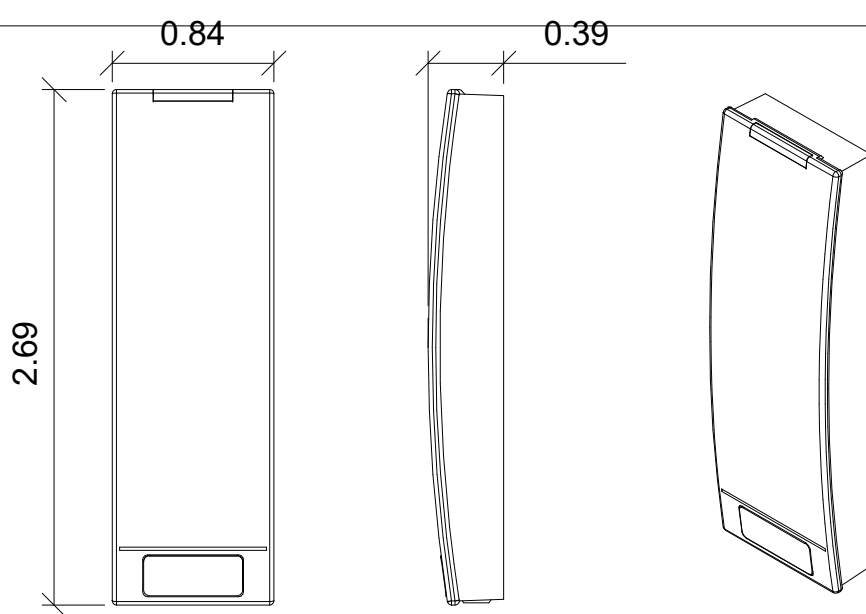
1 ACCESS CONTROL AND IDS SINGLE LINE DIAGRAM

NTS

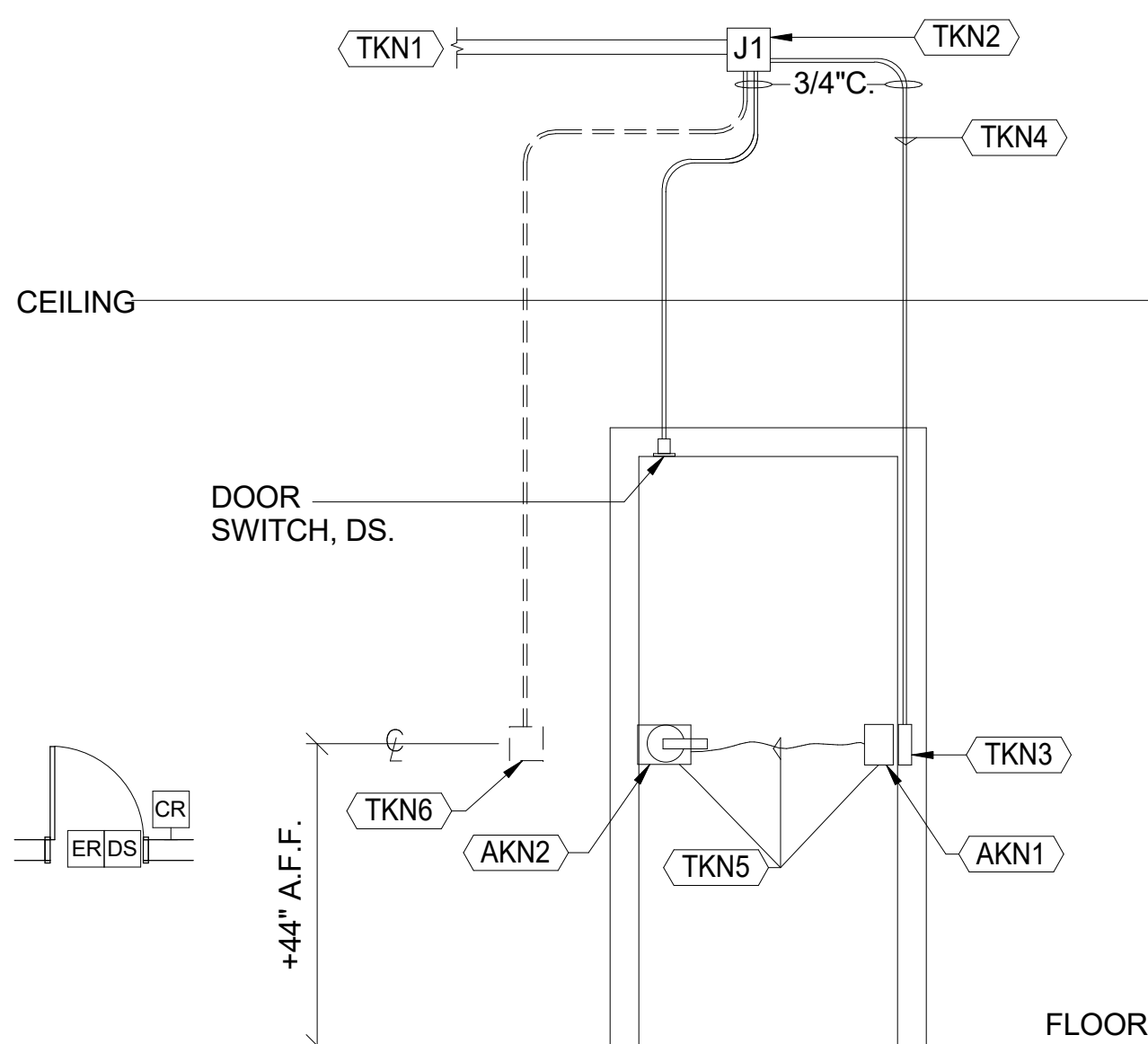
1 S01 S02



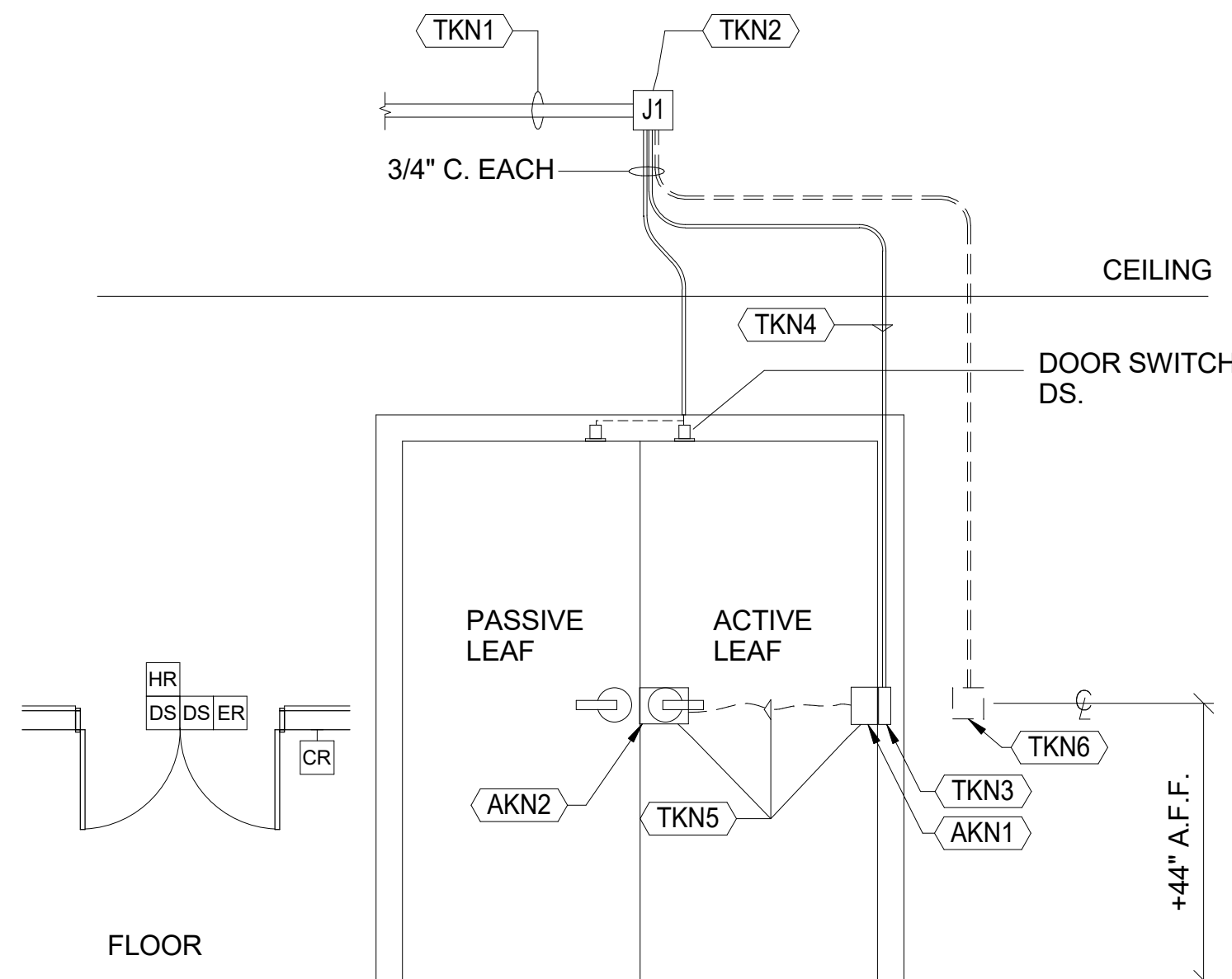
1 **CARD READER - TYPE CR** NTS



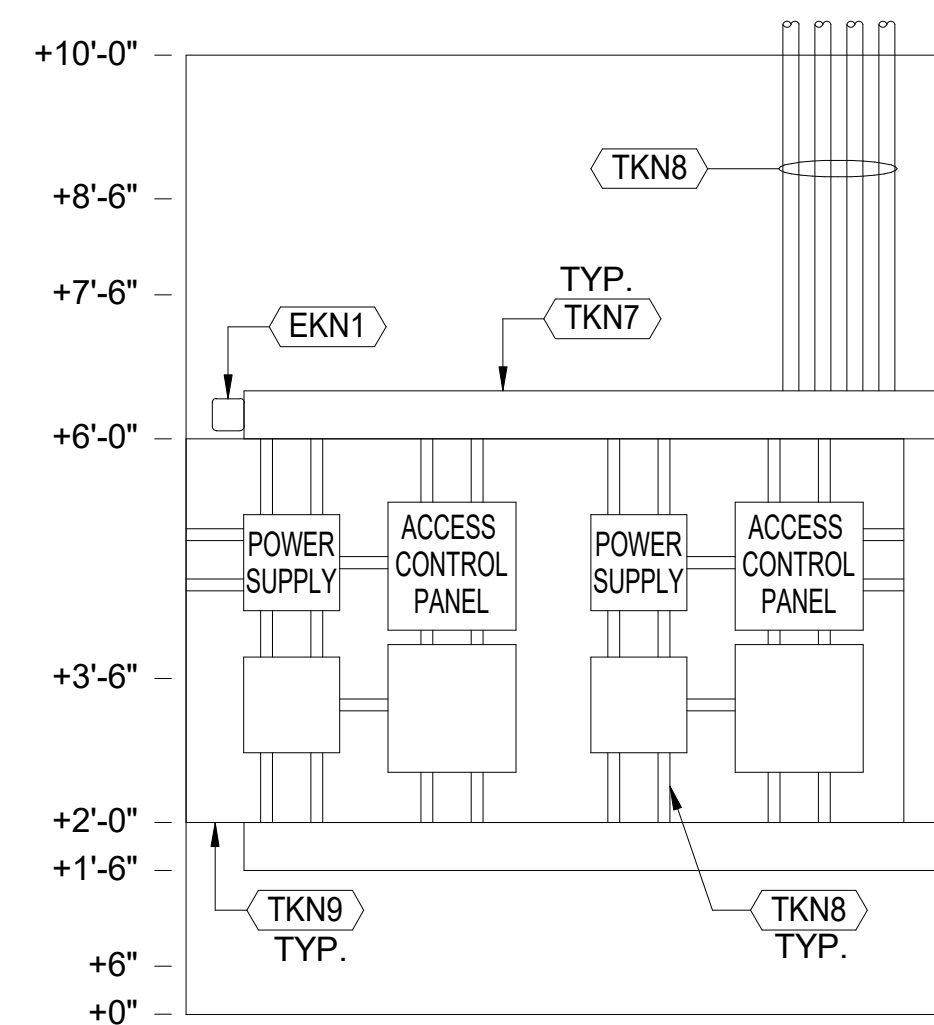
2 **CARD READER - TYPE CN** NTS



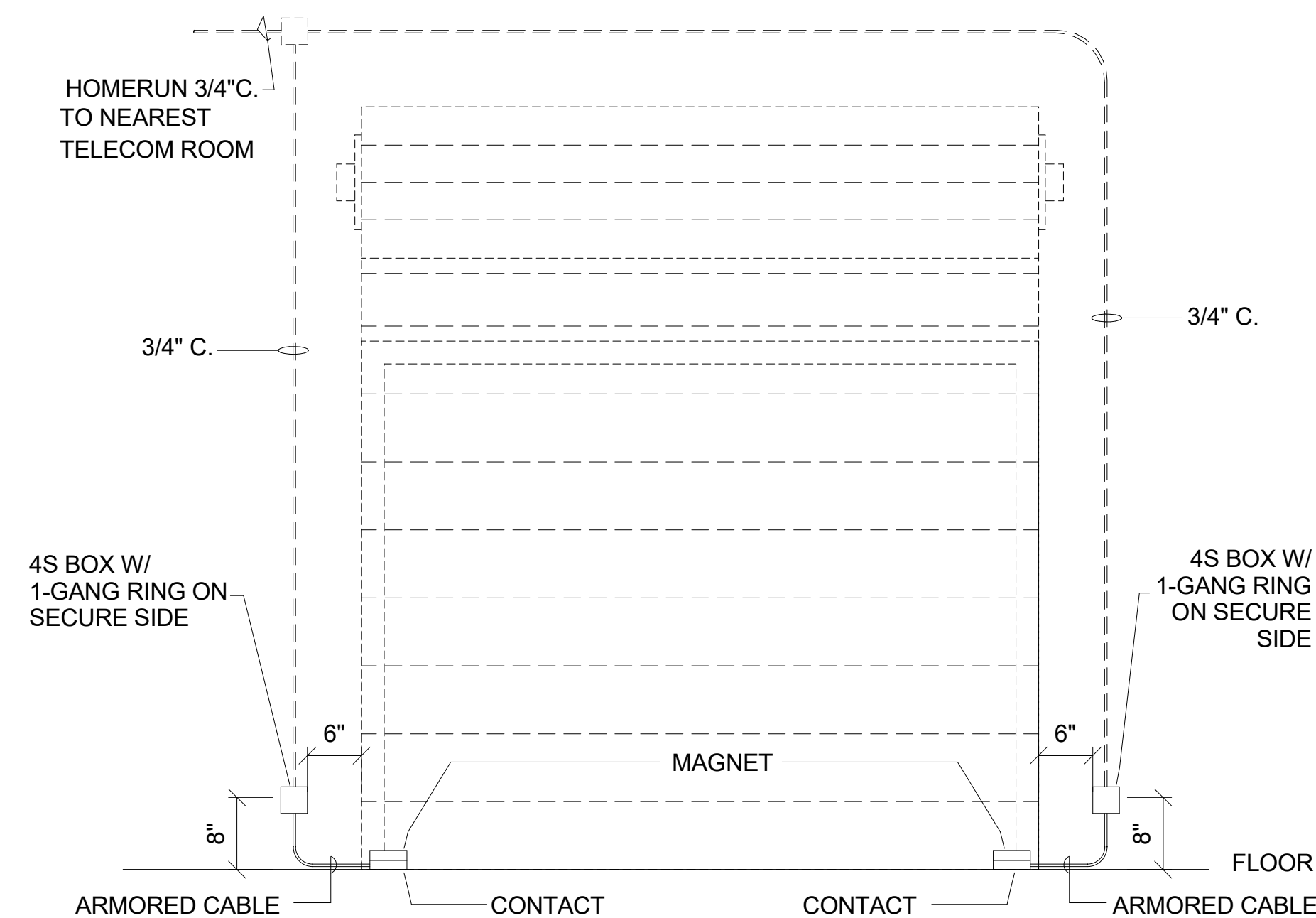
3 **TYPICAL ACCESS CONTROLLED SINGLE DOOR ELEVATION, DOOR HARDWARE EXIT ALARM SUPPRESSION** NTS



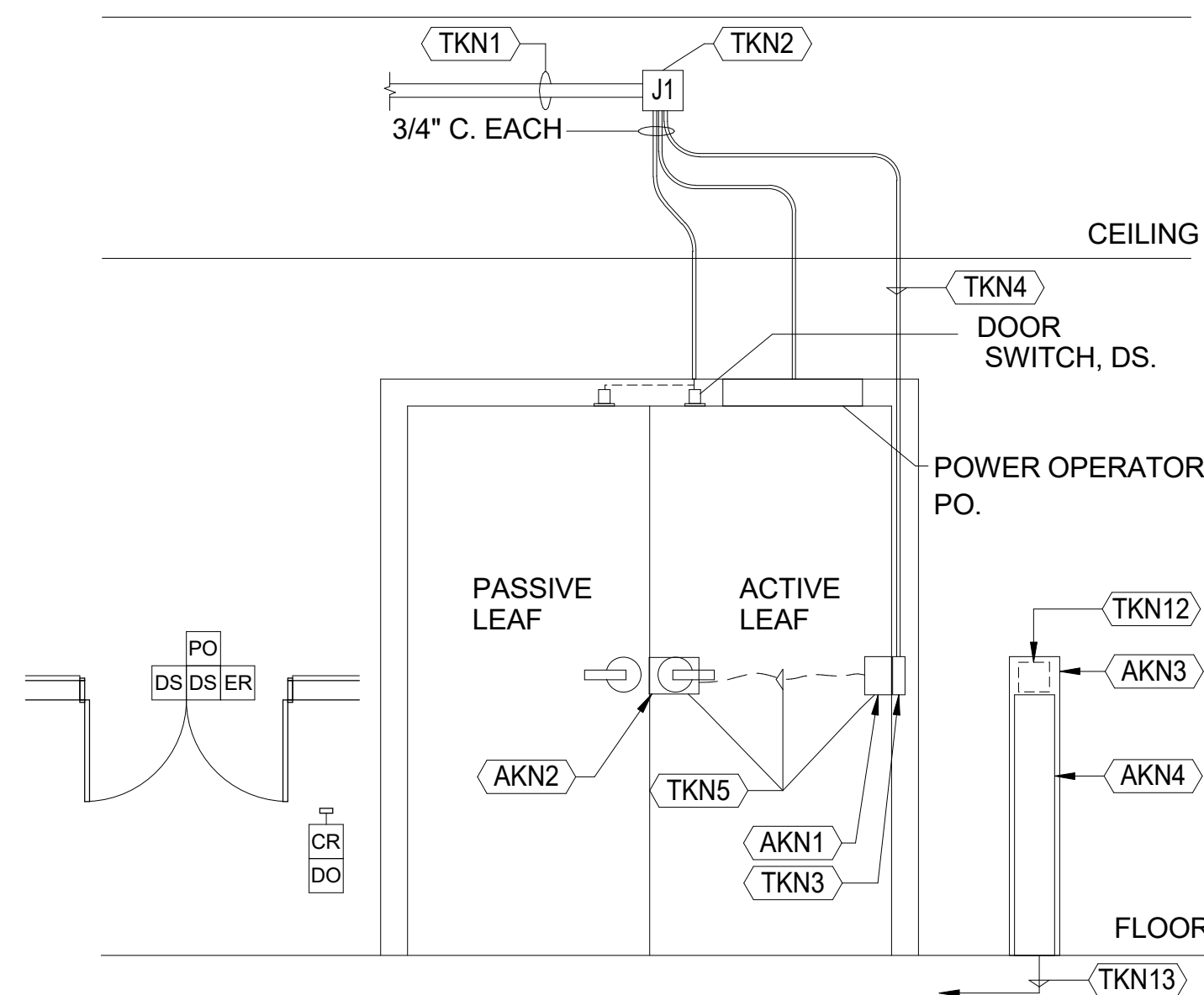
4 **TYPICAL ACCESS CONTROLLED DOUBLE DOOR OPENING, WALL MOUNT CARD READER, DOOR HARDWARE EXIT ALARM SUPPRESSION** NTS



5 **ACS ELEVATION** NTS



6 **DU - OVERHEAD DOOR POSITION SWITCH** NTS



7 **TYPICAL ACCESS CONTROLLED DOUBLE DOOR OPENING, PEDESTAL MOUNT CARD READER, DOOR HARDWARE EXIT ALARM SUPPRESSION** NTS

**SHEET NOTES**

1. 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.
3. WHERE ESS SIGNAL CABLING IS CONSOLIDATED WITH A NETWORK OF CONDUITS AND PULL BOXES, MAINTAIN 40% MAXIMUM FILL.
4. HORIZONTAL ARRANGEMENT OF DEVICES MAY VARY - REFER TO THE FLOOR PLANS FOR THE REQUIRED ARRANGEMENTS. CARD READERS SHOULD GENERALLY BE PLACED ADJACENT TO THE DOOR HANDLE OF THE ACCESS CONTROLLED DOOR. REFER TO THE DIVISION 8 HW SCHEDULES AND THE APPROVED DIVISION 8 SUBMITTALS TO DETERMINE WHETHER EL OR ES ARE USED AT EACH OPENING.

**KEYNOTES**

- AKN ARCHITECTURAL. WORK OF DIVISIONS 8.
- AKN1 TRANSFER HINGE WITH 2 PR CONDUCTORS MIN.
- AKN2 ER - DOOR HANDLE OR PANIC HARDWARE WITH MECHANICAL LOCK AND INTEGRAL ALARM SUPPRESSION MICRO-SWITCH TO DETECT OPERATION OF DOOR FROM SECURE SIDE.
- AKN3 ARCHITECTURAL PEDESTAL - WHERE OCCURS, SEE PLANS.
- AKN4 DO - POWERED DOOR OPERATOR SWITCH MOUNTED TO PEDESTAL OR WALL ON BOTH SECURE AND UN-SECURE SIDES OF OPENING. WIRED TO DGP BY DIVISION 28.
- EKN1 PROVIDE TWO DEDICATED 20A CKT, 120V HARDWIRED FOR ACCESS CONTROL SYSTEM POWER.
- TKN ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISION 28.
- TKN1 EXTEND 1.25" MIN C. TO THE NEAREST TELECOM ROOM.
- TKN2 LOCATE ABOVE DOOR AT SECURED ACCESSIBLE CEILING CONDITIONS. AT GYP CEILING CONDITIONS, LOCATE REMOTELY AT NEAREST UTILITY SPACE.
- TKN3 PROVIDE MUD BOX INSIDE DOOR FRAME AT GROUTED DOOR ASSEMBLIES.
- TKN4 STUB CONDUIT INSIDE DOOR FRAME TO ABOVE THE MIDDLE HINGE OPPOSITE DOOR HANDLE/EL/ER/ES/PANIC HW. MEASURE DOOR ON SITE. COORDINATE SIDE OF DOOR SCHEDULED TO RECEIVE ACTIVE DOOR HARDWARE, INCLUDING EL OR ES WITH WORK OF DIVISION 8
- TKN5 DOOR HARDWARE (DOOR HANDLE, ES, EL, ER, AND/OR PHR AS APPLIES) AND TRANSFER HINGE FURNISHED AND INSTALLED UNDER THE WORK OF DIVISION 8. WORK OF DIVISION 28 WIRES LOCKING HARDWARE VIA TRANSFER HINGE AND PROVIDES WIRING AND PATHWAY BACK TO DGP.
- TKN6 WALL OR PEDESTAL MOUNTED CARD READER WITH 4S BOX AND 1 GANG RING INSTALLED FACING UN-SECURE SIDE OF DOOR. REFER TO PLANS FOR LEFT OR RIGHT SIDE PLACEMENT.
- TKN7 PROVIDE 6"x6" METALLIC WIREWAY/GUTTER.
- TKN8 PROVIDE MULTIPLE 1"C. AND 2"C. AS REQUIRED.
- TKN9 PROVIDE 3/4" THICK FIRE RESISTANT TREATED PLYWOOD BACKBOARD. PROVIDE AS MANY AS SHOWN ON PLAN. PAINT COLOR WHITE TRIM TO FIT. LEAVE ONE FIRE RATING STAMP PER SHEET OF PLYWOOD UNPAINTED.
- TKN10 FUTURE WALL OR PEDESTAL MOUNTED CARD READER WITH 4S BOX AND 1 GANG RING INSTALLED FACING UN-SECURE SIDE OF DOOR. REFER TO PLANS FOR LEFT OR RIGHT SIDE PLACEMENT.
- TKN11 EXTEND 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
- TKN12 CARD READER MOUNTED TO WALL OR PEDESTAL AT POWER DOOR OPERATOR ENABLED ENTRIES ON UN-SECURE SIDE.
- TKN13 PROVIDE 1" C. TO NEAREST IDF ROOM.

**MARJANG ARCHITECTURE**

STAMP

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NO.	DESCRIPTION	DATE

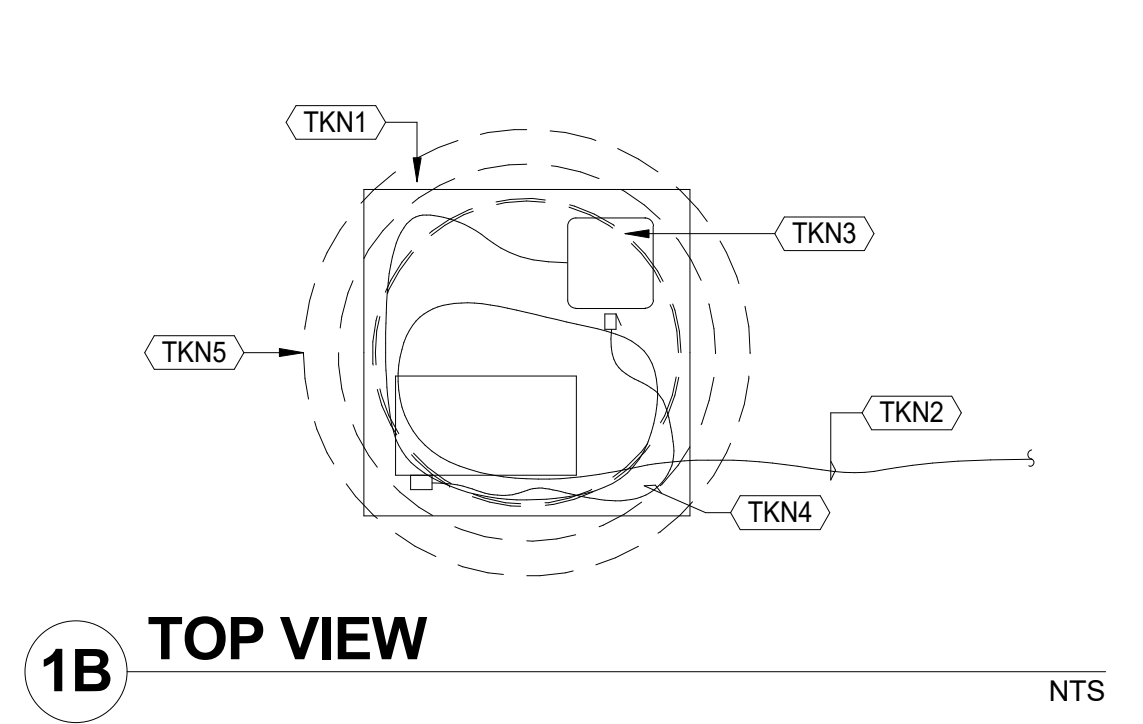
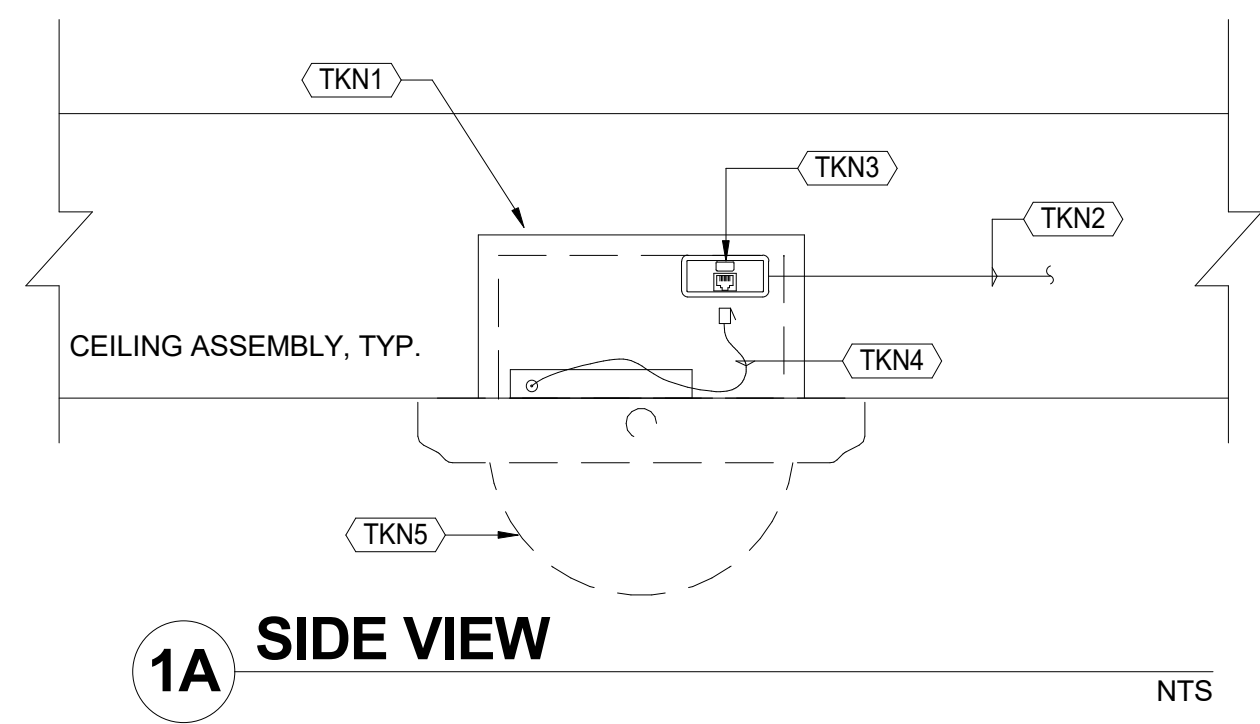
JOB NO.  
0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
DETAILS - ELECTRONIC SECURITY SYSTEMS ACCESS CONTROL

**TY901**

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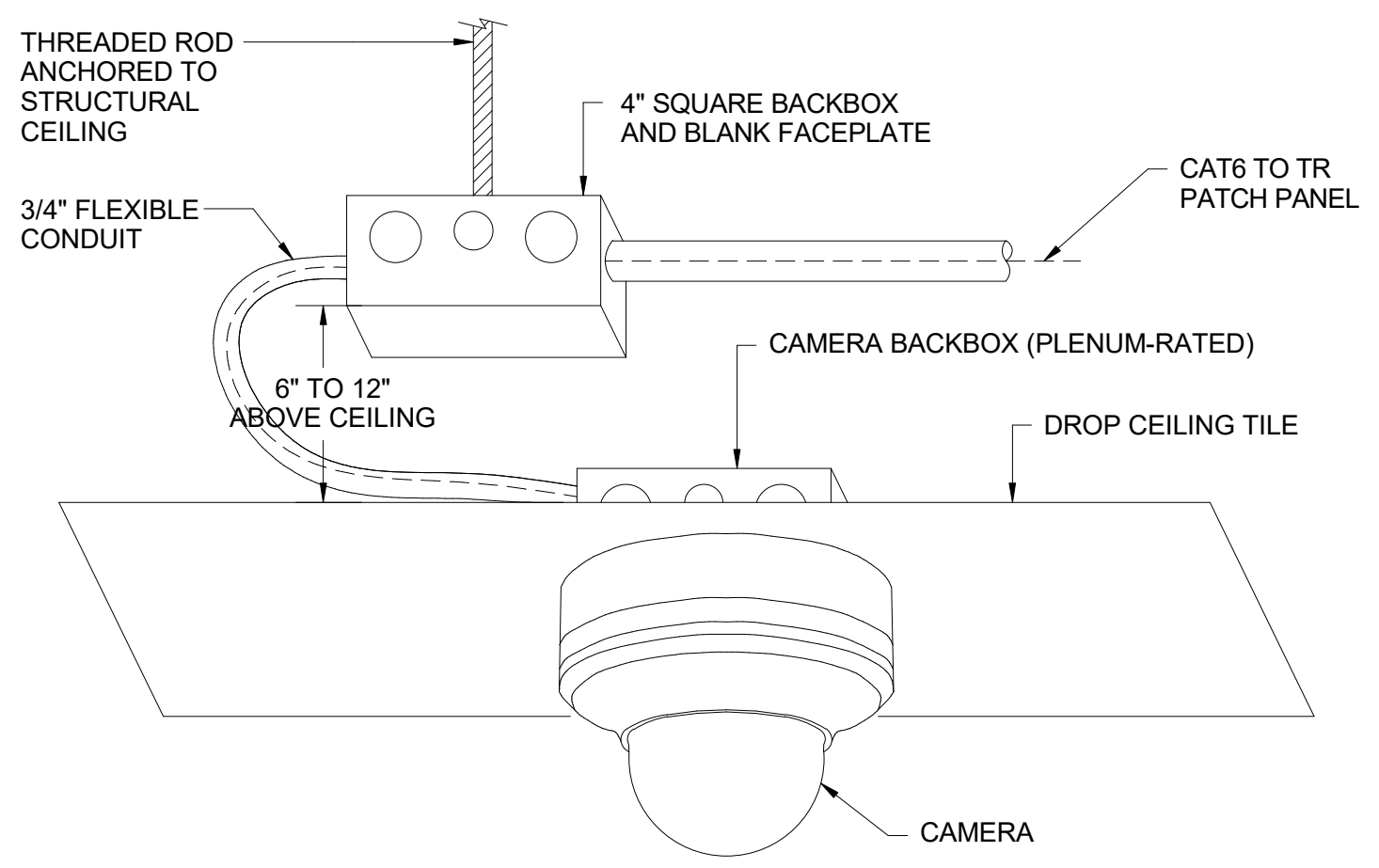


1A SIDE VIEW

1B TOP VIEW

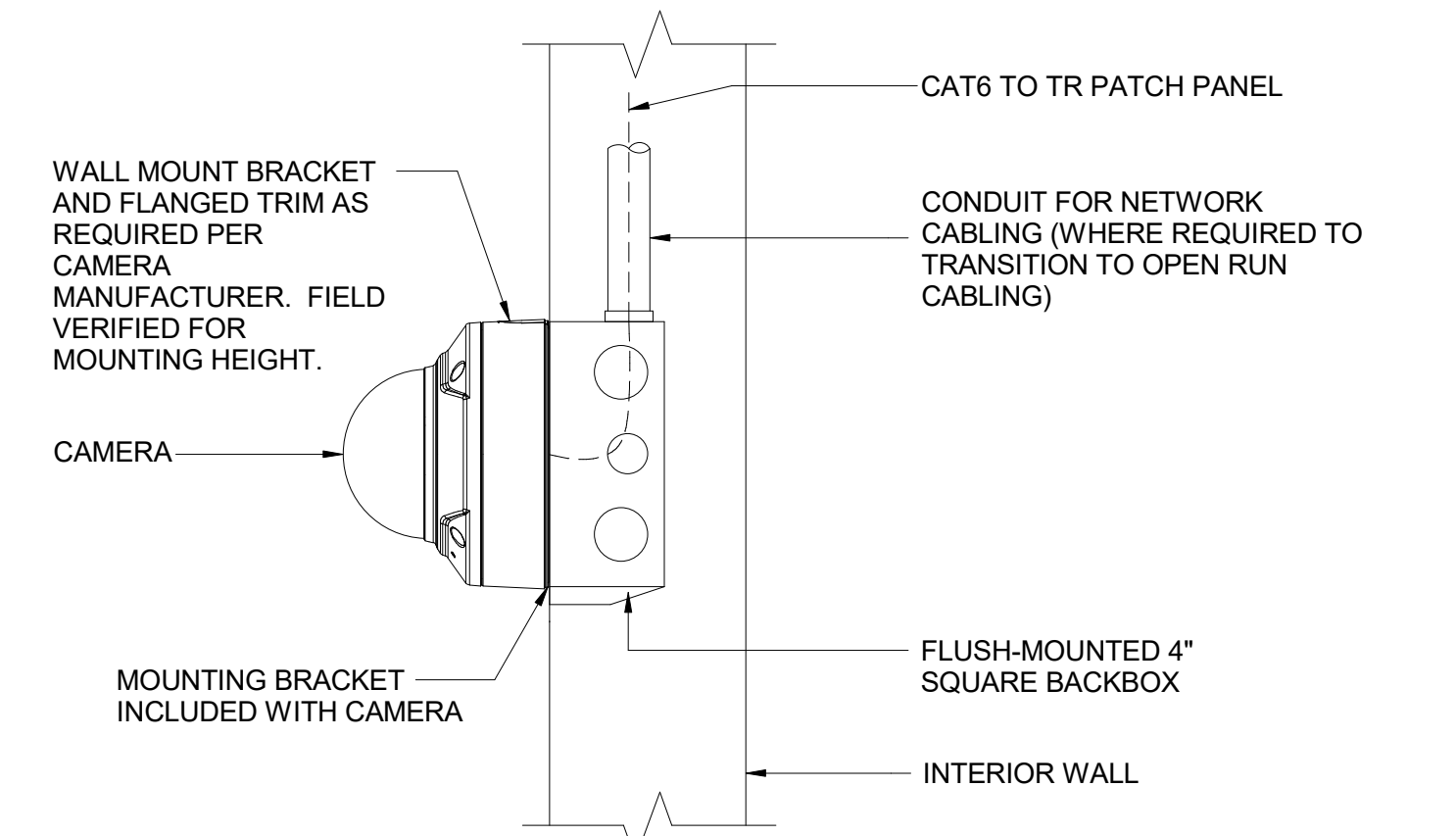
1 IP CAMERA WIRING DETAIL

CATEGORY MEDIA STATION CABLING TO IP CAMERAS TO TERMINATE AT PERMANENT ENCLOSURE/JACK ASSEMBLY, AND A PATCH CORD SHALL BE USED TO MAKE THE CONNECTION FROM THE PERMANENTLY INSTALLED JACK TO THE CAMERA.



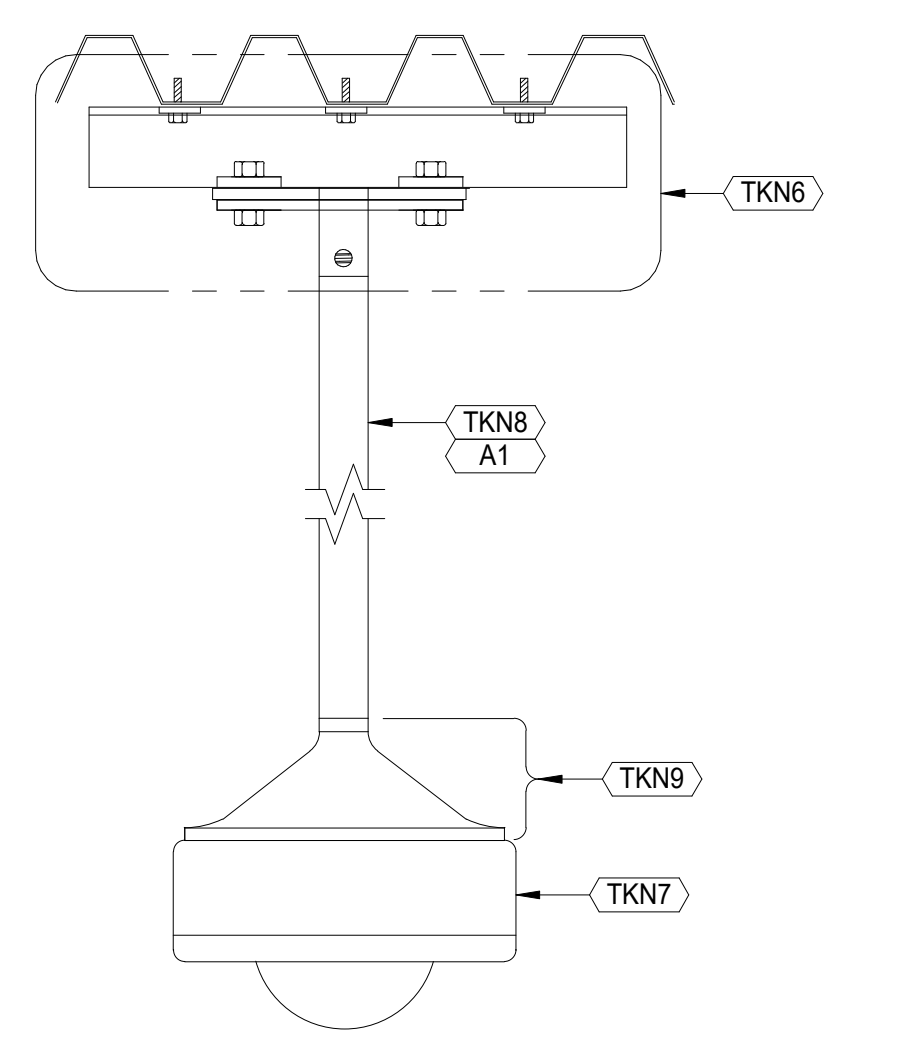
NOTES:  
 1) CAMERAS AND CONDUIT SHALL BE INDEPENDENTLY SUPPORTED AND SHALL NOT RELY ON CEILING SYSTEM CABLE SUPPORTS, FRAME OR TILES FOR SUPPORT.  
 2) WHERE CEILING-MOUNTED CAMERAS ARE TO BE INSTALLED ON CEILING TILES, THEY SHALL BE CENTERED ON THE TILE IN BOTH DIRECTIONS.

3 DOME CAMERA DROP CEILING MOUNT TYP.

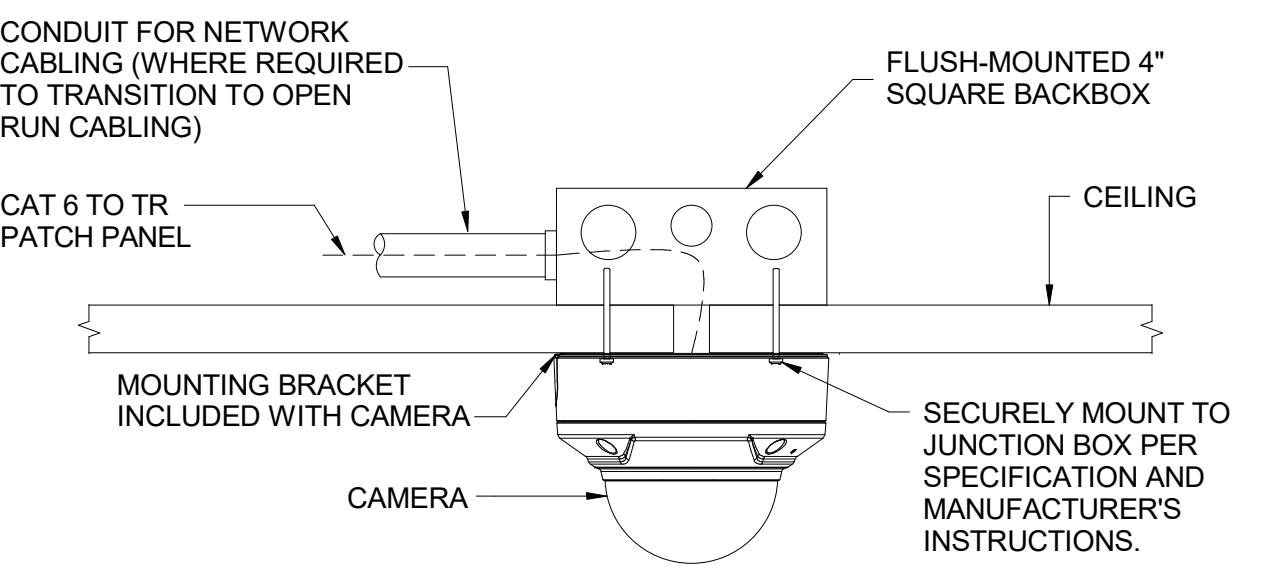


NOTE:  
 1) CAMERA SHALL BE INDEPENDENTLY FASTENED TO THE WALL VIA BACKBOX USING MANUFACTURER RECOMMENDED MOUNTING HARDWARE.

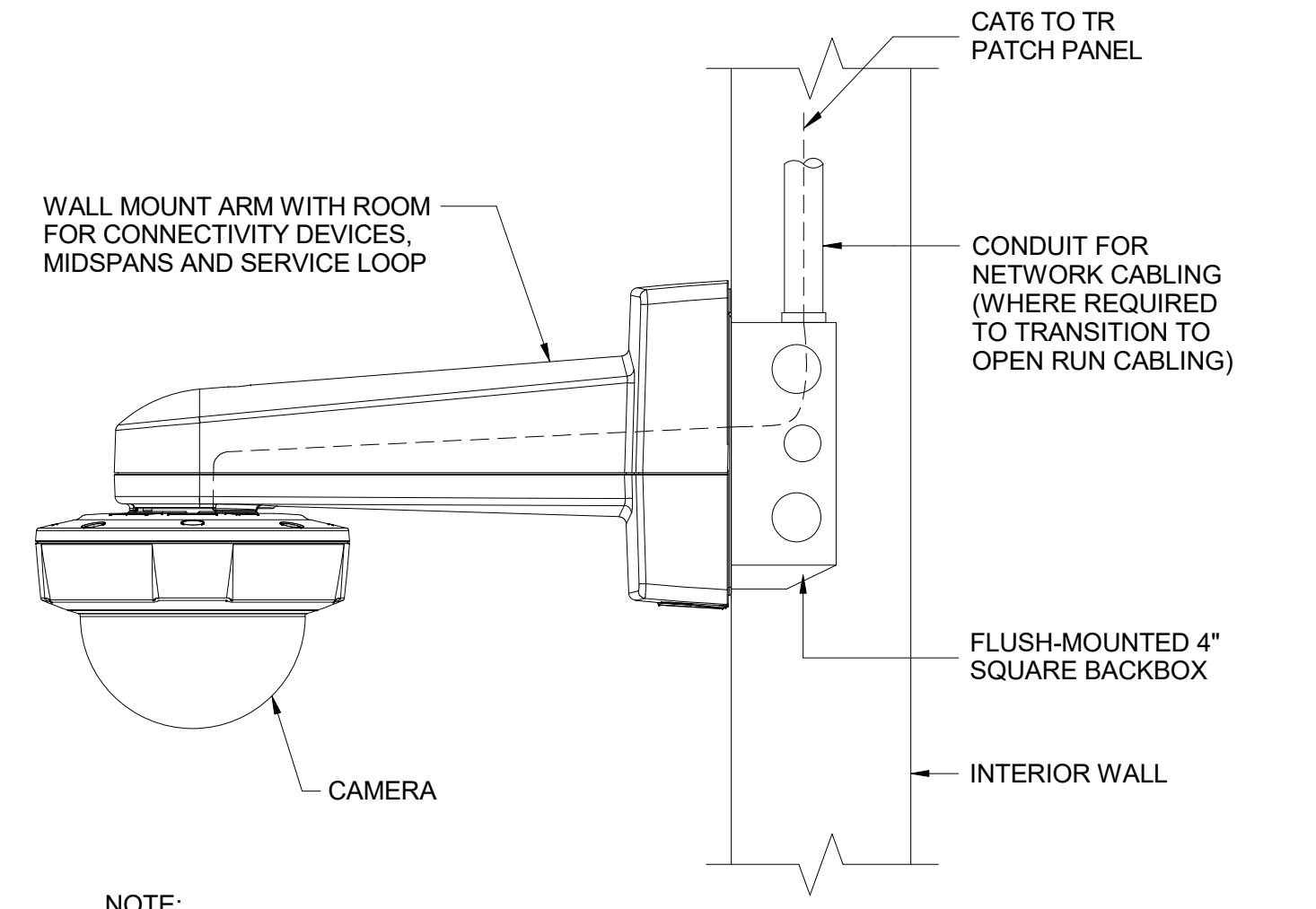
4 DOME CAMERA WALL SURFACE MOUNT TYP.



2 IP CAMERA PENDANT MOUNT

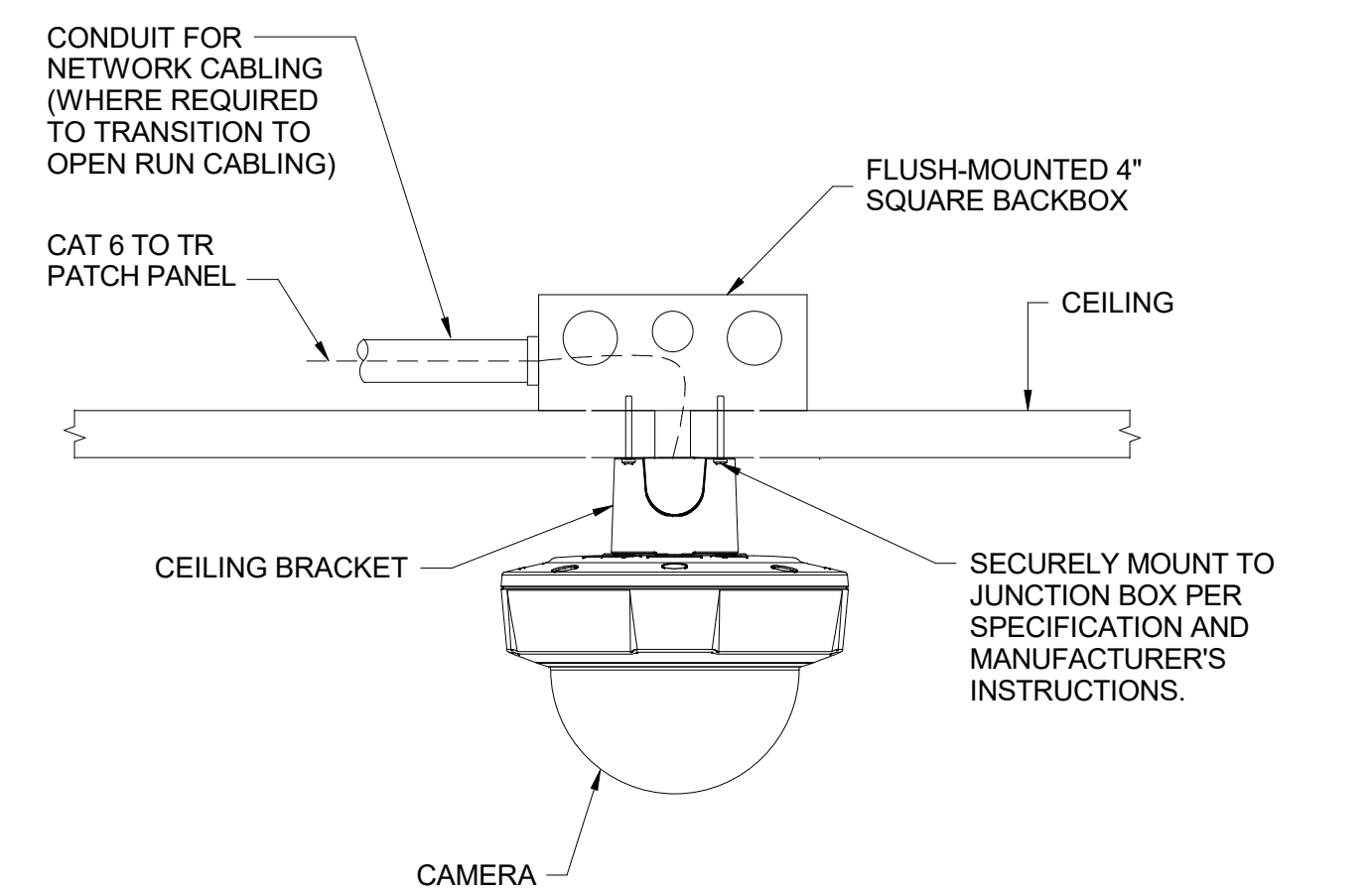


5 DOME CAMERA CEILING MOUNT TYP.



NOTE:  
 1) FOR EXTERIOR CAMERA USE INCLUDED WEATHERPROOF HOUSING.

6 180° CAMERA WALL ARM MOUNT TYP.



7 180° CAMERA CEILING MOUNT TYP.

KEYNOTES	
A	ARCHITECTURAL. WORK OF DIVISIONS 3-14.
A1	PAINT AS DESCRIBED/REQUIRED IN DIVISION 9
TN	ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISION 28.
TKN1	4S TYPE ELECTRICAL BACKBOX EQUAL TO RANDL INDUSTRIES T-55017 WHERE SURFACE MOUNT OF IP CAMERA TO FLUSH MOUNT BACKBOX WITH INTEGRAL STRUCTURED CABLING BISCUIT BOX REQUIRED. PROVIDE EXTERIOR GRADE BOX AT EXTERIOR CONDITIONS AS REQUIRED BY SECTION 28 05 28 - PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY
TKN2	CATEGORY 6 STATION CABLING BY DIVISION 27.
TKN3	SMALL FORM FACTOR MULTIMEDIA ENCLOSURE SUITABLE FOR SURFACE MOUNTING WITH INTEGRAL UNIVERSITY STANDARD CATEGORY 6 JACK FOR TERMINATION OF STATION CABLING.
TKN4	CATEGORY SIX PATCH CORD PROVIDE LENGTH AS REQUIRED. WHERE CAMERA IS MOUNTED TO BACKBOX, COIL INSIDE BACKBOX.
TKN5	SURFACE MOUNT IP CAMERA SUPPORTED FROM FLUSH MOUNTED BACKBOX.
TKN6	PROVIDE EQUAL TO CHIEF MANUFACTURING CMA110, 8" X 8" STEEL PLATE CEILING PLATE FITTING WITH 1" NPT PIPE THREAD ADAPTER.
TKN7	IP SECURITY CAMERA.
TKN8	1" NPT PIPE THREADED FOR PENDENT MOUNTING FROM STRUCTURE ABOVE.
TKN9	PENDANT MOUNT ADAPTER - SONY UNIMDPDH120 OR EQUAL.

STAMP

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NO.	DESCRIPTION	DATE

JOB NO.  
 0000 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION  
 DETAILS - ELECTRONIC SECURITY SYSTEMS VIDEO SURVEILLANCE SYSTEMS