

KENSINGTON PUBLIC SAFETY BUILDING

ISSUED FOR BUILDING PERMIT

This job may need to comply with local fire district ordinances
Please contact the Fire Department plan check staff.
Kensington Fire District – (510) 527-8395

Contra Costa County Building Inspection

By: ROSALINA ACUFF 8:23 am, Aug 01, 2022



217 Arlington Avenue KENSINGTON, CA 94707

BUILDING PERMIT PLAN CHECK RESPONSE JULY 22ND, 2022

APPROVALS:

BILL HANSELL Kensington General Manager

CITY OF KENSINGTON

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

CONTRA COSTA COUNTY

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

ARCHITECT

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

STRUCTURAL ENGINEERING

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

CIVIL ENGINEERING

BKF ENGINEERS

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

MECHANICAL ENGINEERING

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

GEOTECHNICAL ENGINEER

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

SPECIAL SYSTEMS, SECURITY, & ACOUSTICAL ENGINEERING

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

ESTIMATOR

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

BUILDING INSPECTION DIVISION

PERMIT NUMBER

BICA22-004407

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

9:58 am, Aug 05, 2022

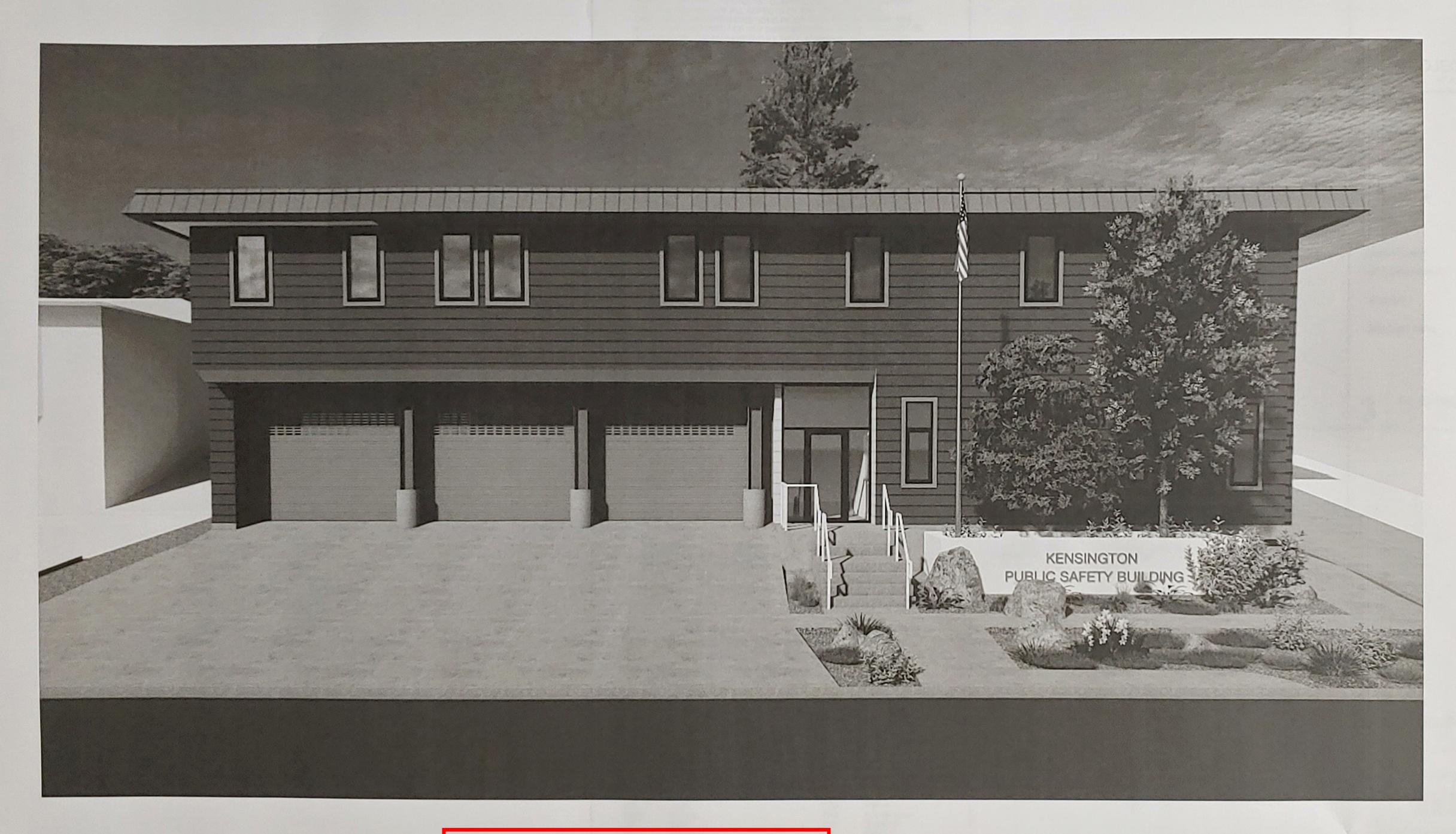
REVIEWED

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STA OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STALAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FRO BUILDING OFFICIAL.

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KENSINGTON PUBLIC SAFETY BUILDING

ISSUED FOR BUILDING PERMIT



217 Arlington Avenue KENSINGTON, CA 94707



BUILDING PERMIT PLAN CHECK RESPONSE JULY 22ND, 2022

APPROVALS:

BILL HANSELL Kensington General Manager

A STEGE SANITARY DISTRICT PERMIT AND PAYMENT
OF FEES ARE REQUIRED PRIOR TO PERFORMING
WORK ON SEWER LINES.

APPROVED AS IS.
CONDITIONAL APPROVAL:
INSTALL 'BACKFLOW PREVENTION
DEVICE PER DISTRICT ORDINANCE.
MINIMUM SEWER LATERAL SIZE:

4"Ø - Single Family Dwelling.

GREASE INTERCEPTOR REQUIRED.

GREASE INTERCEPTOR REQUIRED.

ABANDONED SEWER LATERALS SHALL BE
CARPED AT THE MAIN

Owelling. **

Dwelling. **

ED.

HALL BE

PERMIT NUMBER

BIC A22-004407

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

7:50 am, Aug 29, 2022

REVIEWED

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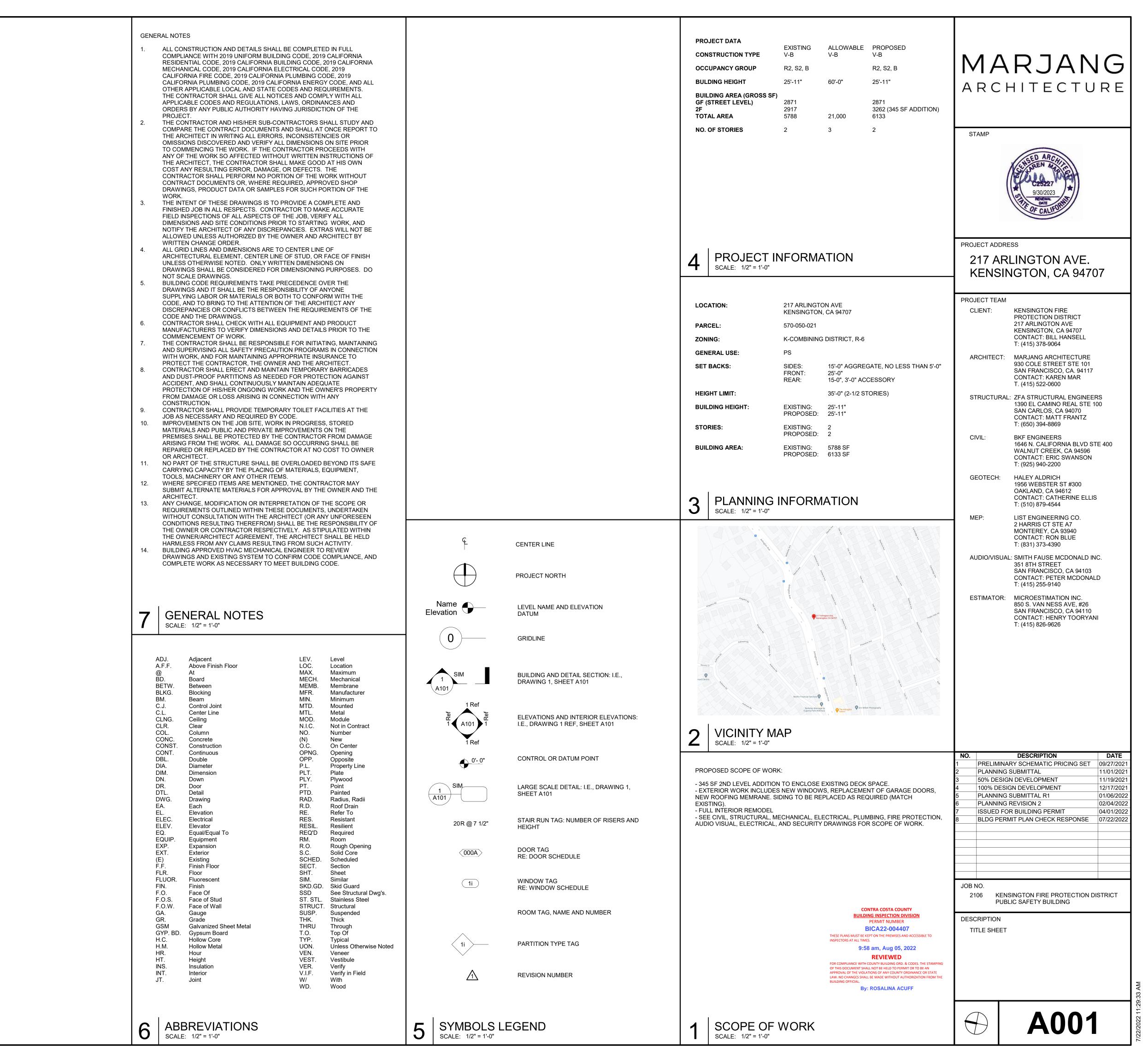
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R703.6.2.1 Weep Screeds (California Building Code 2019)

A minimum 0.019 inch (0.5mm)(No. 26 galvanized sheet gauge), corrosion-resistant or plastic weep screed, with a minimum vertical attachment flange of 3 ½ inches (89mm) shall be provided at or below the foundation plate line on exterior stud walls in accordance with ASTM C926. The weep screed shall be placed a minimum of 4 inches (102mm) above earth or 2 inches above paved areas and shall be a type that will allow trapped water to drain to the exterior of the structure. The weather resistant barrier shall lap the attachment flange. The exterior lath shall cover and terminate on the attachment flange of the weed screed.

1804.4 Site Grading (California Building Code 2019)

The ground immediately adjacent to the foundation shall be sloped away from the building at a slope not less than one unit vertical in 20 units horizontal (5% slope) for a minimum distance of 10 feet (3048mm) of horizontal surface, a 5-percent slope shall be provided to an approved alternate method of diverting water away from the foundation. Swales used for this purpose shall be sloped a minimum of 2-percent where located within 10 feet (3048 mm) of the building foundation. Impervious surfaces within 10 feet (3048 mm) of the building foundation shall be sloped a minimum of 2-percent away from the building.

Exception: Where climatic or soil conditions warrant, the slope of the ground away from the building foundation shall be permitted to be reduced to not less than one vertical unit in 48 units horizontal (2-percent

The procedure used to establish the final ground level adjacent to the foundation shall account for additional settlement of the backfill.

716-8.602 Drainage Disposal (Contra Costa County Ordinance 99-46) If the drainage device discharges onto natural ground, an energy dissipater may be required.

SUPERCEDED

KEEP SHEET FOR APPROVED/REVIEWED STAMPS

By: ROSALINA ACUFF

8:02 am, Aug 01, 2022

GENERAL NOTES

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

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

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

Grading Reviewed By: Jonathan Bodnar 3:21 pm, May 18, 2022

PROJECT DATA EXISTING ALLOWABLE PROPOSED **CONSTRUCTION TYPE** V-B V-B V-B **OCCUPANCY GROUP** R2, S2, B R2, S2, B **BULDING HEIGHT** 25'-11" 60'-0" 25'-11" **BUILDING AREA (GROSS SF)** 2871 **GF (STREET LEVEL)** 2917 3262 (345 SF ADDITION) **TOTAL AREA** 5788 21,000 6133

PROJECT INFORMATION

217 ARLINGTON AVE

570-050-021

PS

SIDES:

FRONT:

REAR:

EXISTING:

EXISTING:

PROPOSED:

PROPOSED:

EXISTING:

PLANNING INFORMATION

PROPOSED: 6133 SF

KENSINGTON, CA 94707

K-COMBINING DISTRICT, R-6

25'-11"

5788 SF

15'-0" AGGREGATE, NO LESS THAN 5'-0"

15-0", 3'-0" ACCESSORY

35'-0" (2-1/2 STORIES)

NO. OF STORIES

LOCATION:

PARCEL:

ZONING:

GENERAL USE:

SET BACKS:

HEIGHT LIMIT:

STORIES:

BUILDING HEIGHT

BUILDING AREA:

MARJANG ARCHITECTURE

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

T: (415) 378-9064

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

1390 EL CAMINO REAL STE 100 SAN CARLOS, CA 94070 CONTACT: MATT FRANTZ

STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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

T: (925) 940-2200

T: (650) 394-8869

HALEY ALDRICH 1956 WEBSTER ST #300 OAKLAND, CA 94612

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CONTACT: RON BLUE

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T: (415) 826-9626

DESCRIPTION

09/27/2021

11/01/2021 11/19/2021

12/17/2021

01/06/2022

02/04/2022

PRELIMINARY SCHEMATIC PRICING SET

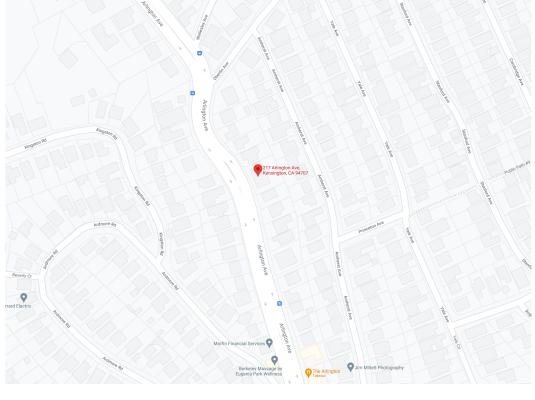
PLANNING SUBMITTAL

50% DESIGN DEVELOPMENT

PLANNING SUBMITTAL R1

PLANNING REVISION 2

100% DESIGN DEVELOPMENT



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

PROPOSED SCOPE OF WORK:

 345 SF 2ND LEVEL ADDITION TO ENCLOSE EXISTING DECK SPACE. - EXTERIOR WORK INCLUDES NEW WINDOWS, REPLACEMENT OF GARAGE DOORS, NEW ROOFING MEMRANE. SIDING TO BE REPLACED AS REQUIRED (MATCH EXISTING). - FULL INTERIOR REMODEL

- SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO VISUAL, ELECTRICAL, AND SECURITY DRAWINGS FOR SCOPE OF WORK.

> CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 9:58 am, Aug 05, 2022 REVIEWED

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ISSUED FOR BUILDING PERMIT 04/01/2022 JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT

TITLE SHEET

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

SYMBOLS LEGEND

CENTER LINE

PROJECT NORTH

DATUM

GRIDLINE

LEVEL NAME AND ELEVATION

BUILDING AND DETAIL SECTION: I.E.,

ELEVATIONS AND INTERIOR ELEVATIONS:

LARGE SCALE DETAIL: I.E., DRAWING 1,

STAIR RUN TAG: NUMBER OF RISERS AND

I.E., DRAWING 1 REF, SHEET A101

CONTROL OR DATUM POINT

SHEET A101

HEIGHT

DOOR TAG

WINDOW TAG

RE: DOOR SCHEDULE

RE: WINDOW SCHEDULE

PARTITION TYPE TAG

REVISION NUMBER

ROOM TAG, NAME AND NUMBER

DRAWING 1, SHEET A101

Name Elevation

A101

20R @ 7 1/2"

(000A)

SCOPE OF WORK

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

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

By: ROSALINA ACUFF

PUBLIC SAFETY BUILDING **DESCRIPTION**

FIRE PROTECTION FIRE PROTECTION TITLE SHEET FP001 FP201 FIRE PROTECTION GROUND FLOOR PLAN FP202 FIRE PROTECTION SECOND FLOOR PLAN ELECTRICAL NOTES, ABBREVIATIONS, AND SHEET INDEX E001 E002 ELECTRICAL SYMBOLS AND LEGEND E003 SCHEDULE AND SINGLE LINE DIAGRAM E004 TITLE 24 FORMS E005 TITLE 24 FORMS E101 SITE PLAN LIGHTING PLANS E201 E301 POWER AND LOW VOLTAGE PLANS FIRE ALARM PLANS E401 FIRE ALARM RISER AND DETAILS E402 E501 **ENLARGED PLANS AND DETAILS** AUDIOVISUAL TA001 GENERAL NOTES, SYMBOLS, AND LEGEND TA002 ABBREVIATIONS, LEGEND & JUNCTION BOX SCHEDULE TA003 SYMBOL SCHEDULE TA202 AUDIO VISUAL - GROUND FLOOR PLAN & ELEVATIONS TA204 AUDIO VISUAL - SECOND FLOOR PLAN AUDIO VISUAL - FIRST FLOOR RCP TA602 TA604 AUDIO VISUAL - SECOND FLOOR RCP TA701 MEETING ROOM 111 AUDIOVISUAL FUNCTIONAL DIAGRAM TA702 PUBLIC ADDRESS SINGLE LINE DIAGRAM TA703 DAYROOM, KITCHEN-DINING & EXERCISE ROOM AV FUNCTIONAL CATV & DBS SYSTEMS DISTRIBUTION SINGLE LINE DIAGRAMS TA704 TA901 DETAILS - RACK R18 DETAILS - FC6 FLOOR BOX TA902 TA903 DETAILS - FPWB & FLAT PANEL MOUNT COMMUNICATIONS TN001 COMMUNICATIONS - GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS, AND JBOX SCHEDULE TN002 COMMUNICATIONS - SYMBOL SCHEDULE TN202 COMMUNICATIONS - GROUND FLOOR PLAN TN204 COMMUNICATIONS - SECOND FLOOR PLAN TN401 (E) IT-ELEC 203 - ENLARGED PLAN, RCP & ELEVATIONS TN602 COMMUNICATIONS - FIRST FLOOR RCP COMMUNICATIONS - SECOND FLOOR RCP TN604 TN901 **DETAILS - DEVICES** TN902 DETAILS - RACK R15 TN903 DETAILS - RACK R28 TN904 DETAILS - OUTSIDE PLANT SECURITY TY001 GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS, AND JBOX SCHEDULE SYMBOL SCHEDULE TY002 TY202 ELEC-SECURITY - GROUND FLOOR PLAN TY204 ELEC-SECURITY - SECOND FLOOR PLAN TY205 ELEC-SECURITY - ROOF PLAN TY602 ELEC-SECURITY - FIRST FLOOR RCP TY604 ELEC-SECURITY - SECOND FLOOR RCP ACCESS CONTROLS AND IDS SINGLE LINE DIAGRAM DETAILS - ELECTRONIC SECURITY SYSTEMS ACCESS CONTROL TY901 DETAILS - ELECTRONIC SECURITY SYSTEMS VIDEO SURVEILLANCE TY902 SYSTEMS

> PLANNING SUBMITTAL 11/01/2021 50% DESIGN DEVELOPMENT 11/19/2021 100% DESIGN DEVELOPMENT 12/17/2021 PLANNING SUBMITTAL R1 01/06/2022 PLANNING REVISION 2 02/04/2022 ISSUED FOR BUILDING PERMIT 04/01/2022 BLDG PERMIT PLAN CHECK RESPONSE 07/22/2022

MARJANG

ARCHITECTURE

STAMP

PROJECT ADDRESS

PROJECT TEAM

ARCHITECT:

CIVIL:

GEOTECH:

CLIENT:

217 ARLINGTON AVE.

KENSINGTON, CA 94707

KENSINGTON FIRE

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T. (415) 522-0600

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HALEY ALDRICH

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PROTECTION DISTRICT

KENSINGTON, CA 94707

CONTACT: BILL HANSELL

MARJANG ARCHITECTURE

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SAN CARLOS, CA 94070

CONTACT: MATT FRANTZ

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CONTACT: ERIC SWANSON

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CONTACT: CATHERINE ELLIS

OAKLAND, CA 94612

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351 8TH STREET

T: (415) 255-9140

T: (415) 826-9626

DESCRIPTION

09/27/2021

PRELIMINARY SCHEMATIC PRICING SET

ESTIMATOR: MICROESTIMATION INC.

930 COLE STREET STE 101

SAN FRANCISCO, CA. 94117

1390 EL CAMINO REAL STE 100

1646 N. CALIFORNIA BLVD STE 400

217 ARLINGTON AVE

JOB NO.

CONTRA COSTA COUNTY

BUILDING INSPECTION DIVISION

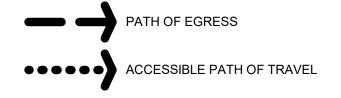
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PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

SHEET INDEX

CODE SITE PLAN LEGEND



LIFE SAFETY EGRESS & ACCESSIBILITY SITE PLAN

MARJANG ARCHITECTURE



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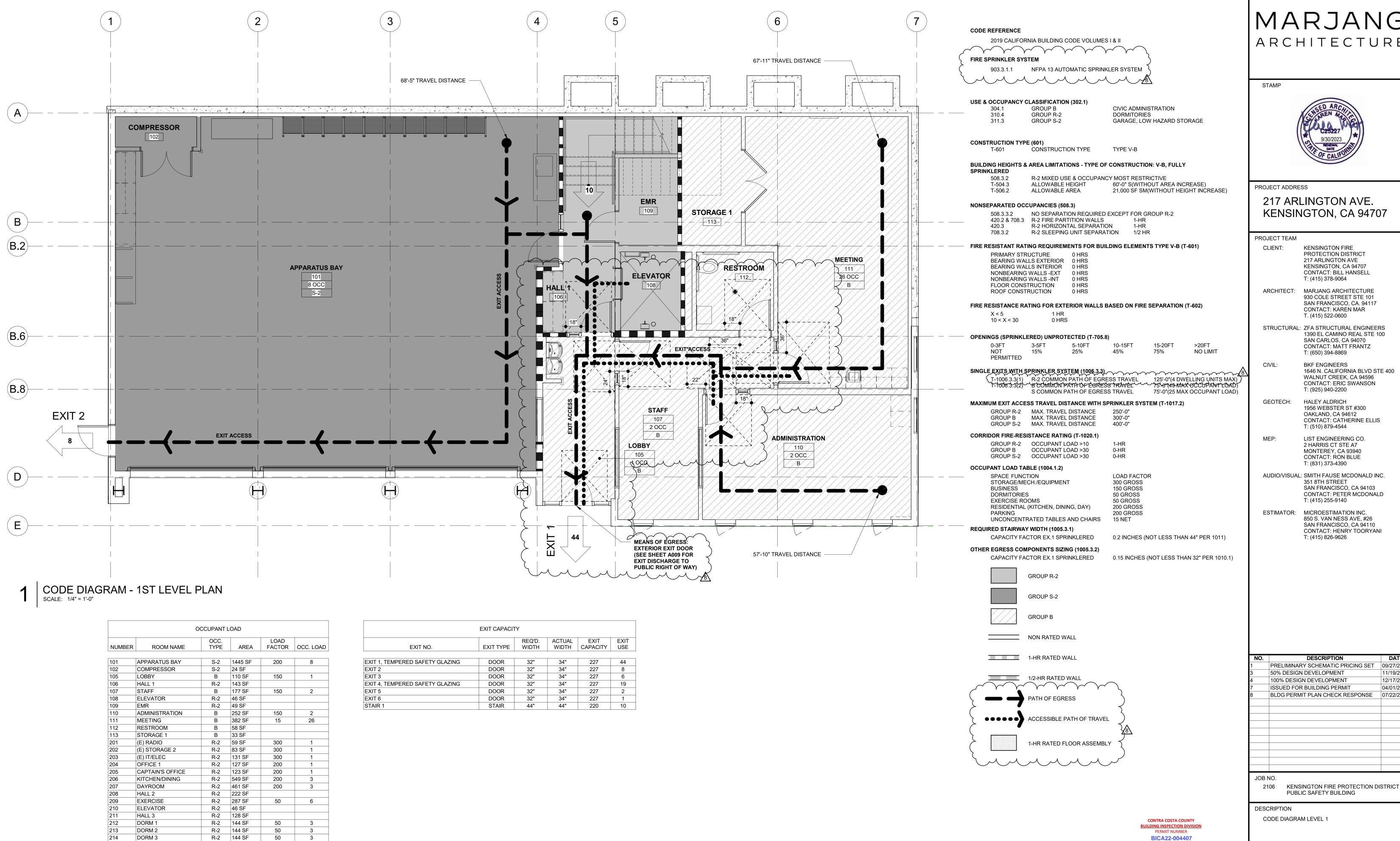
By: ROSALINA ACUFF

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

CODE DIAGRAM - SITE PLAN







215

216

218

LAUNDRY

BATH 1

ADA BATH 2

STORAGE 3

R-2 54 SF

R-2 66 SF

R-2 62 SF

R-2 36 SF

200

MARJANG ARCHITECTURE



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS 1390 EL CAMINO REAL STE 100

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

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

T: (925) 940-2200

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

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

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

SAN FRANCISCO, CA 94110

CONTACT: HENRY TOORYANI

CONTACT: RON BLUE

T: (831) 373-4390

T: (415) 255-9140 ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26

T: (415) 826-9626

DESCRIPTION PRELIMINARY SCHEMATIC PRICING SET 09/27/2021 50% DESIGN DEVELOPMENT 11/19/2021 12/17/2021 100% DESIGN DEVELOPMENT ISSUED FOR BUILDING PERMIT 04/01/2022 BLDG PERMIT PLAN CHECK RESPONSE 07/22/2022

PUBLIC SAFETY BUILDING

CODE DIAGRAM LEVEL 1

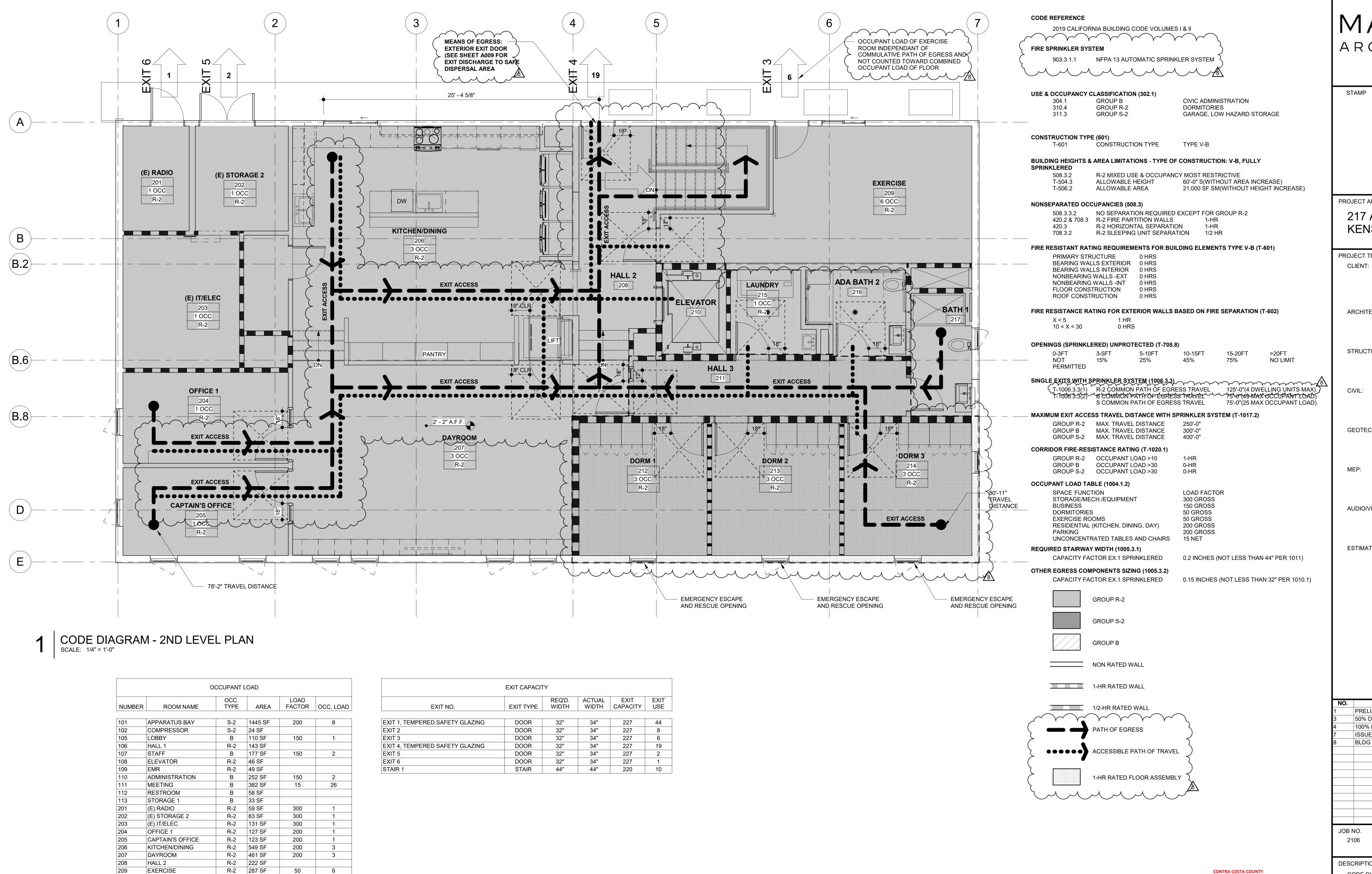
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9:58 am, Aug 05, 2022

REVIEWED

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF

INSPECTORS AT ALL TIMES.



ELEVATOR

HALL 3

DORM 1

DORM 2

DORM 3

LAUNDRY

BATH 1

ADA BATH 2

STORAGE 3

212

213

R-2 46 SF

R-2 | 128 SF

R-2 144 SF

R-2 144 SF

R-2 144 SF

R-2 54 SF

R-2 66 SF

R-2 62 SF

R-2 | 36 SF

50

50

50

200

MARJANG ARCHITECTURE



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

T: (415) 826-9626

DESCRIPTION	DATE
PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
50% DESIGN DEVELOPMENT	11/19/2021
100% DESIGN DEVELOPMENT	12/17/2021
ISSUED FOR BUILDING PERMIT	04/01/2022
BLDG PERMIT PLAN CHECK RESPONSE	07/22/2022
	PRELIMINARY SCHEMATIC PRICING SET 50% DESIGN DEVELOPMENT 100% DESIGN DEVELOPMENT ISSUED FOR BUILDING PERMIT

2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

BUILDING INSPECTION DIVISION

PERMIT NUMBER

BICA22-004407

9:58 am, Aug 05, 2022

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN

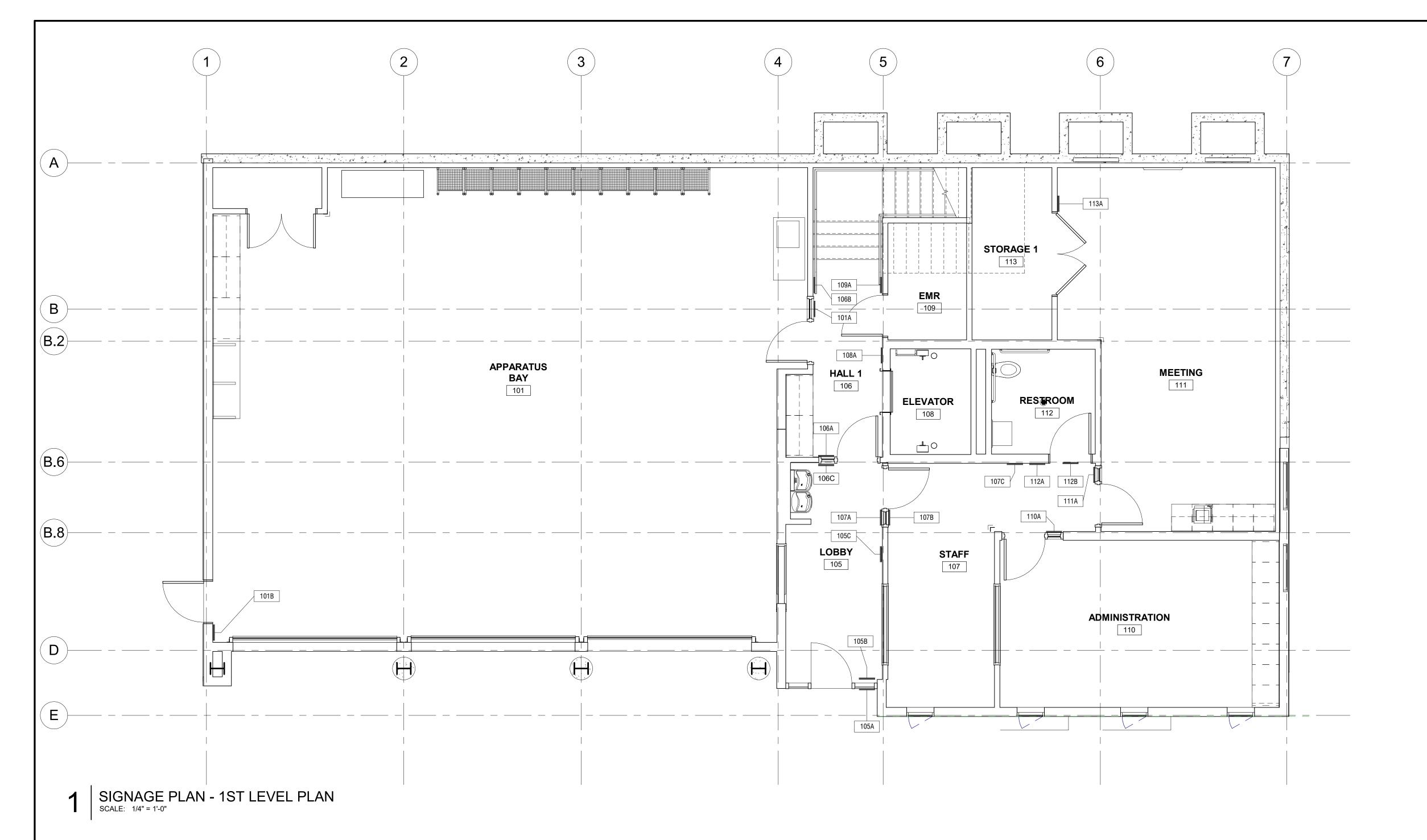
LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

By: ROSALINA ACUFF

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INSPECTORS AT ALL TIMES.

CODE DIAGRAM LEVEL 2



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

SHEET NOTES

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

MARJANG ARCHITECTURE

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CLIENT:

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

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

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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

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

BKF ENGINEERS

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

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

MONTEREY, CA 93940 CONTACT: RON BLUE

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

ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26

T: (415) 255-9140

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

Ю.	DESCRIPTION	DATE
	100% DESIGN DEVELOPMENT	12/17/2021
	ISSUED FOR BUILDING PERMIT	04/01/2022
	BLDG PERMIT PLAN CHECK RESPONSE	07/22/2022

JOB NO.

2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

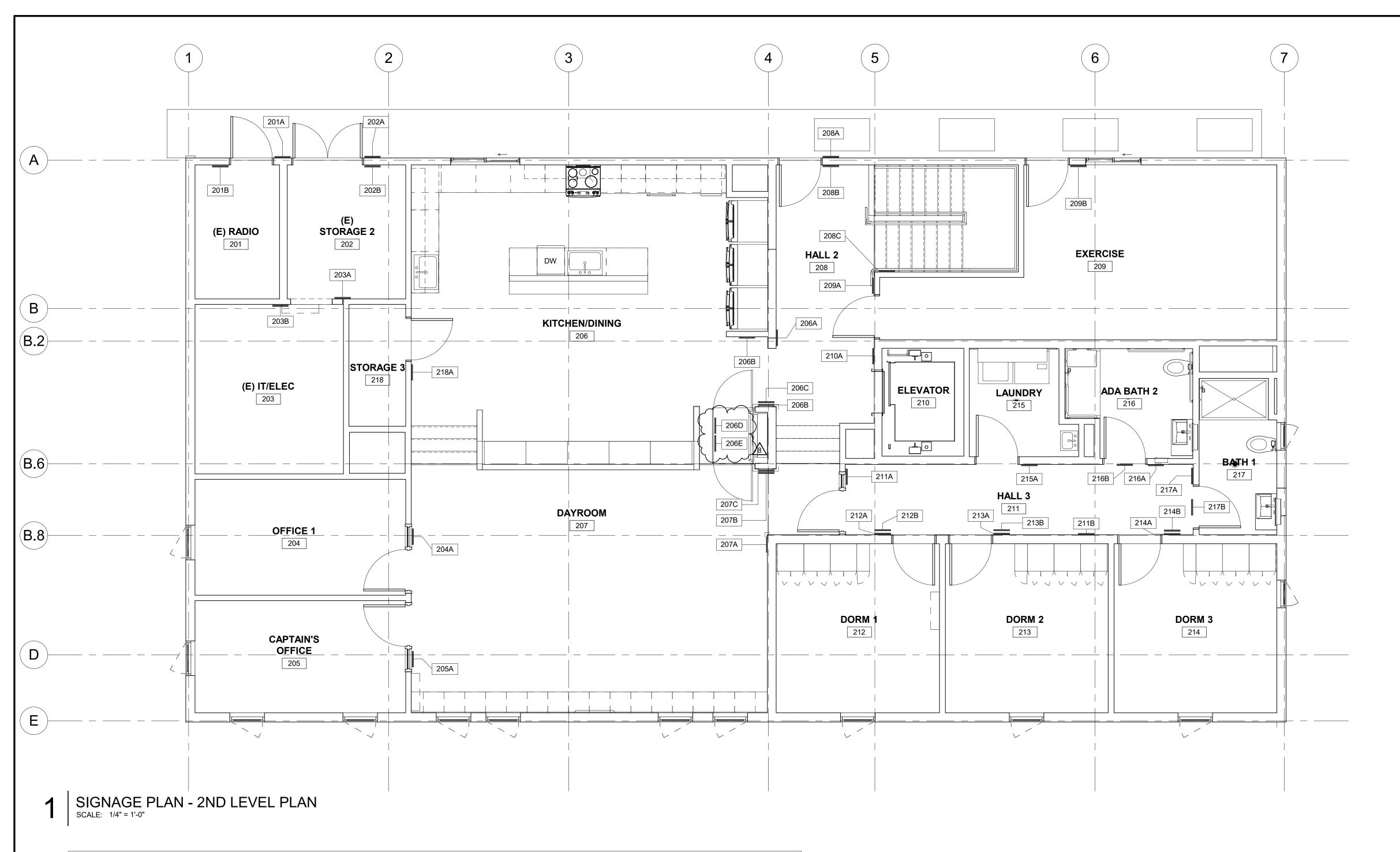
GROUND FLOOR SIGNAGE PLAN

BUILDING INSPECTION DIVISION PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

CONTRA COSTA COUNTY

9:58 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

By: ROSALINA ACUFF



			SIGNAGE SCHEDULE - 2ND LEVEL			
SIGN ID	ROOM LOCATION	SIGN TYPE	LANGUAGE	DETAIL REFERENCE	MOUNTING LOCATION	BRAILLE AND TACTILE
201A	RADIO	ROOM ID	201 RADIO	1/A014	EXTERIOR	YES
201B	RADIO	DIRECTIONAL	EXIT	2/A014	WALL MOUNT	YES
202A	STORAGE 2	ROOM ID	202 STORAGE 2	1/A014	EXTERIOR	YES
202B	STORAGE 2	DIRECTIONAL	EXIT	2/A014	WALL MOUNT	YES
203A	IT/ELECTRICAL	ROOM ID	203 IT AND ELECTRICAL	1/A014	WALL MOUNT	YES
203B	IT/ELECTRICAL	DIRECTIONAL	EXIT ROUTE	2/A014	WALL MOUNT	YES
204A	OFFICE 1	ROOM ID	204 OFFICE	1/A014	WALL MOUNT	YES
205A	CAPTAIN'S OFFICE	ROOM ID	205 CAPTAIN'S OFFICE	1/A014	WALL MOUNT	YES
206A	KITCHEN / DINING	ROOM ID	206 KITCHEN AND DINING	1/A014	WALL MOUNT	YES
206B	KITCHEN / DINING	FIRE EXTINGUISHER FLAG	SEE DETAIL	1/A015	WALL MOUNT	NO
206B	KITCHEN / DINING	DIRECTIONAL	NO FREIGHT	2/A014	WALL MOUNT	YES
206C √	KITCHEM / DINHAG	Y ISA Y Y Y Y Y Y	ISAY YY YY YY YY	187A014 V	WALL MOUNT /	NO Y
206D	DAYROOM	ISA	ISA	13/A014	WALL MOUNT	NO
206E	DAYROOM	DIRECTIONAL	NO FREIGHT	2/A014	WALL MOUNT	YES
\ 207A\	DAXBQOM /	A ROOM(ID ~ ~ ~ ~ ~ ~	201/ DAYROOM ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	1/(A014	WALL MQUNT	XES ~
207B	DAYROOM	TSA	ISA O O O O O	13/A014	WALL MOUNT	NO ON
207C	DAYROOM	DIRECTIONAL	NO FREIGHT	2/A014	WALL MOUNT	YES
208A	HALL 2	ISA	ISA	14/A014	EXTERIOR WALL MOUNT	NO
208B	HALL 2	DIRECTIONAL	EXIT	2/A014	WALL MOUNT	YES
208C	HALL 2	STAIR LEVEL IDENTIFICATION	*2	6/A015	WALL MOUNT	YES
209A	EXERCISE ROOM	ROOM ID	209 EXERCISE ROOM	1/A014	WALL MOUNT	YES
209B	EXERCISE ROOM	DIRECTIONAL	EXIT	2/A014	WALL MOUNT	YES
210A	ELEVATOR	IN CASE OF FIRE	SEE DETAIL	5/A015	WALL MOUNT	NO
211A	HALL 3	DIRECTIONAL	EXIT ROUTE	2/A014	GLASS MOUNT	YES
211B	HALL 3	EMERGENCY EVACUATION NOTICE	EXIT MAP, EVACUATION INSTRUCTIONS PER DETAIL	14/A015	WALL MOUNT	NO
212A	DORM 1	ROOM ID	212 DORM 1	1/A014	WALL MOUNT	YES
212B	DORM 1	ISA	ISA	14/A014	WALL MOUNT	NO
213A	DORM 2	ROOM ID	213 DORM 2	1/A014	WALL MOUNT	YES
213B	ISA	ISA	ISA	14/A014	WALL MOUNT	NO
214A	DORM 3	ROOM ID	214 DORM 3	1/A014	WALL MOUNT	YES
214B	ISA	ISA	ISA	14/A014	WALL MOUNT	NO
215A	LAUNDRY	ROOM ID	215 LAUNDRY	1/A014	WALL MOUNT	YES
216A	ADA BATHROOM	RESTROOM ID	ALL GENDER RESTROOM	5/A014	WALL MOUNT	YES
216B	ADA BATHROOM	RESTROOM SYMBOL	ALL GENDER SYMBOL	6/A014	DOOR MOUNT	YES
217A	BATHROOM	RESTROOM ID	ALL GENDER RESTROOM	5/A014	WALL MOUNT	YES
217B	BATHROOM	RESTROOM SYMBOL	ALL GENDER SYMBOL	6/A014	DOOR MOUNT	YES
218A	STORAGE 3	ROOM ID	218 STORAGE 3	1/A014	WALL MOUNT	YES

SHEET NOTES

- SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND
- AND ABBREVIATIONS ON SHEET A001. FOR SIGNAGE DETAILS, SYMBOLS, AND MOUNTING
- HEIGHTS, SEE SHEETS A014, A015. VERIFY EXACT SIGNAGE LOCATIONS AND MOUNTING
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- CONFIRM FINAL LOCATIONS OF ALL CITY REQUIRED SIGNAGE WITH CLIENT AND ARCHITECT PRIOR TO
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MARJANG ARCHITECTURE

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

T: (415) 378-9064

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

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

1646 N. CALIFORNIA BLVD STE 400

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

BKF ENGINEERS

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

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

LIST ENGINEERING CO.

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

T: (415) 826-9626

CONTACT: HENRY TOORYANI

DESCRIPTION	DATE
100% DESIGN DEVELOPMENT	12/17/2021
ISSUED FOR BUILDING PERMIT	04/01/2022
BLDG PERMIT PLAN CHECK RESPONSE	07/22/2022

JOB NO.

2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

SECOND FLOOR SIGNAGE PLAN

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF

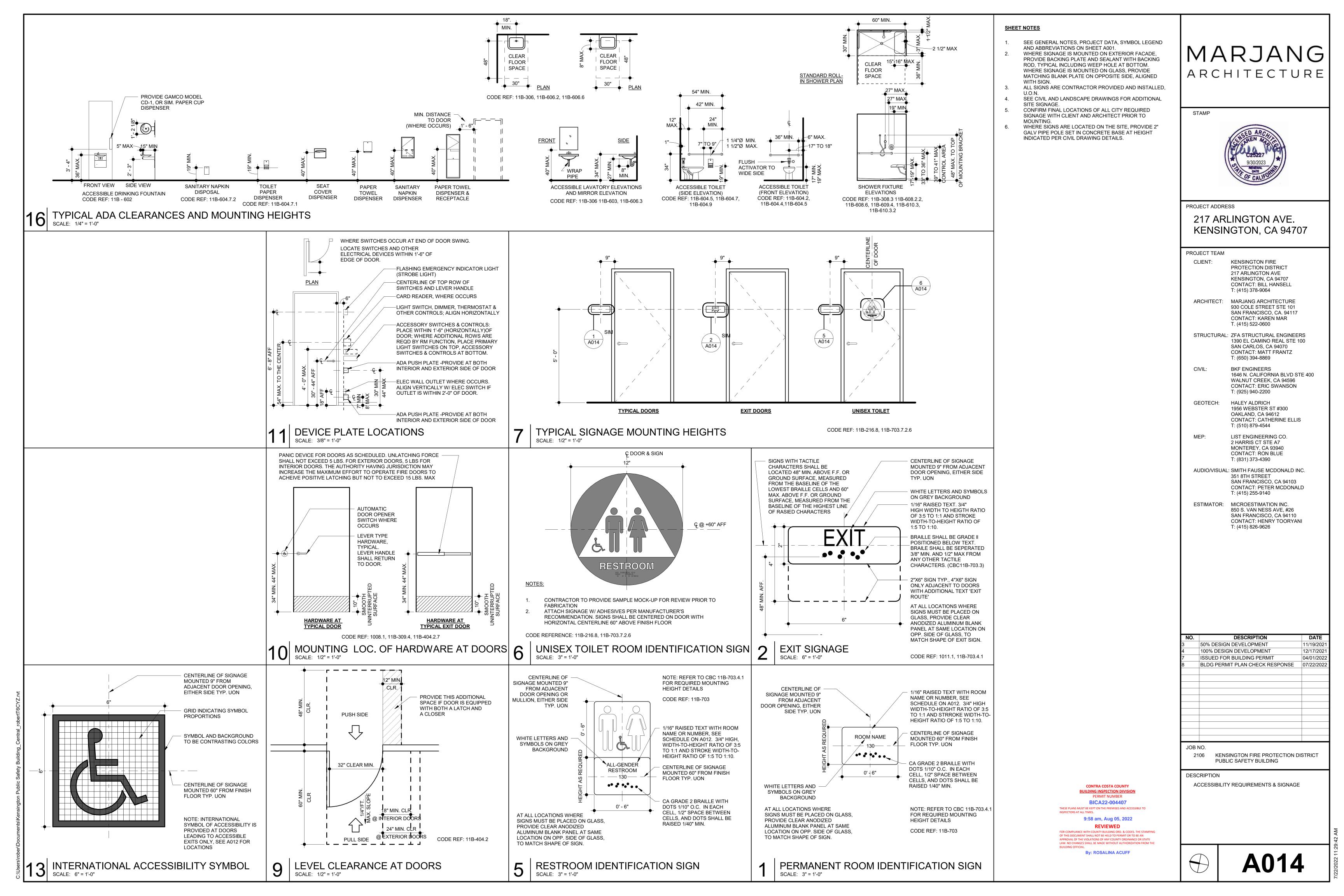
CONTRA COSTA COUNTY

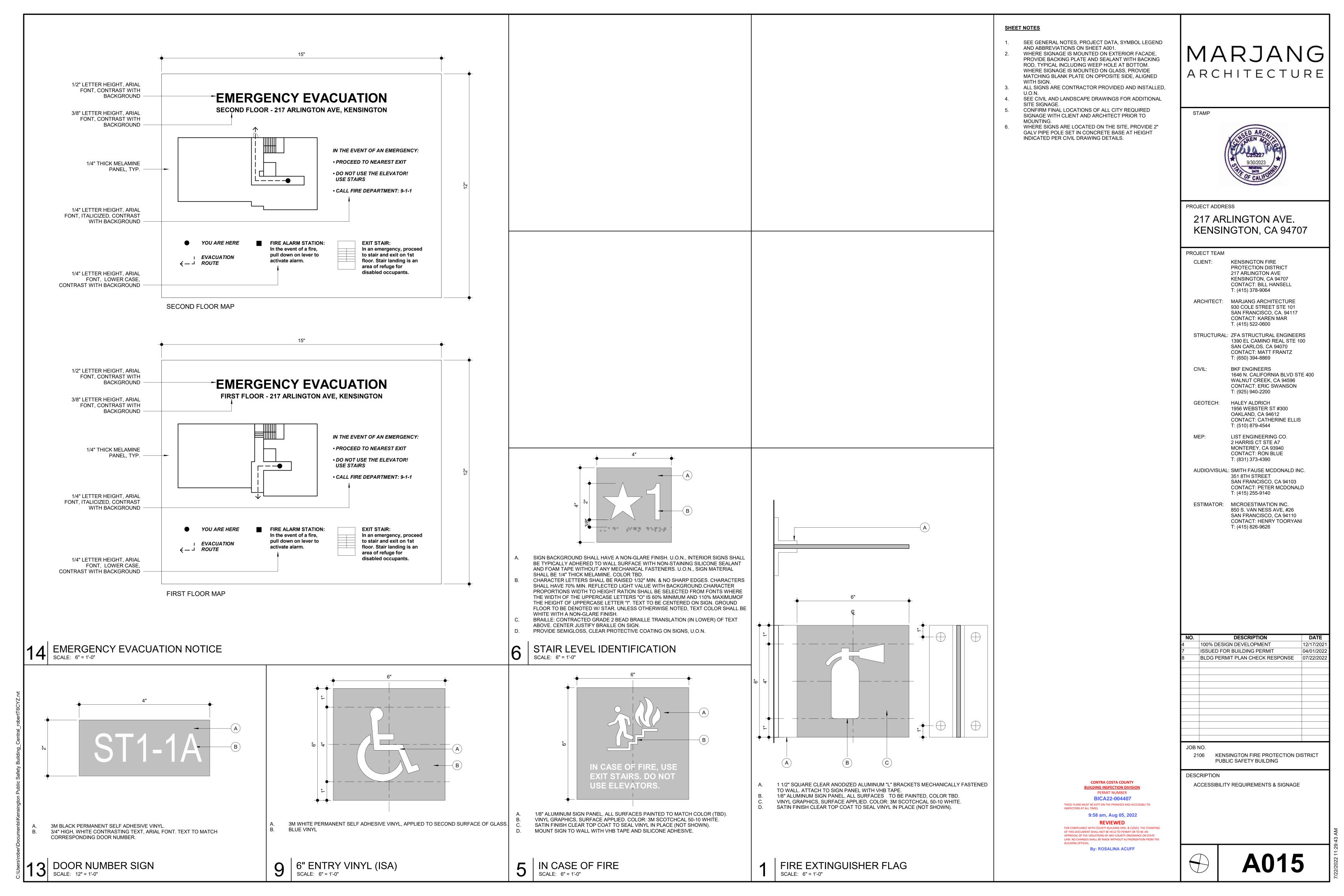
BUILDING INSPECTION DIVISION PERMIT NUMBER

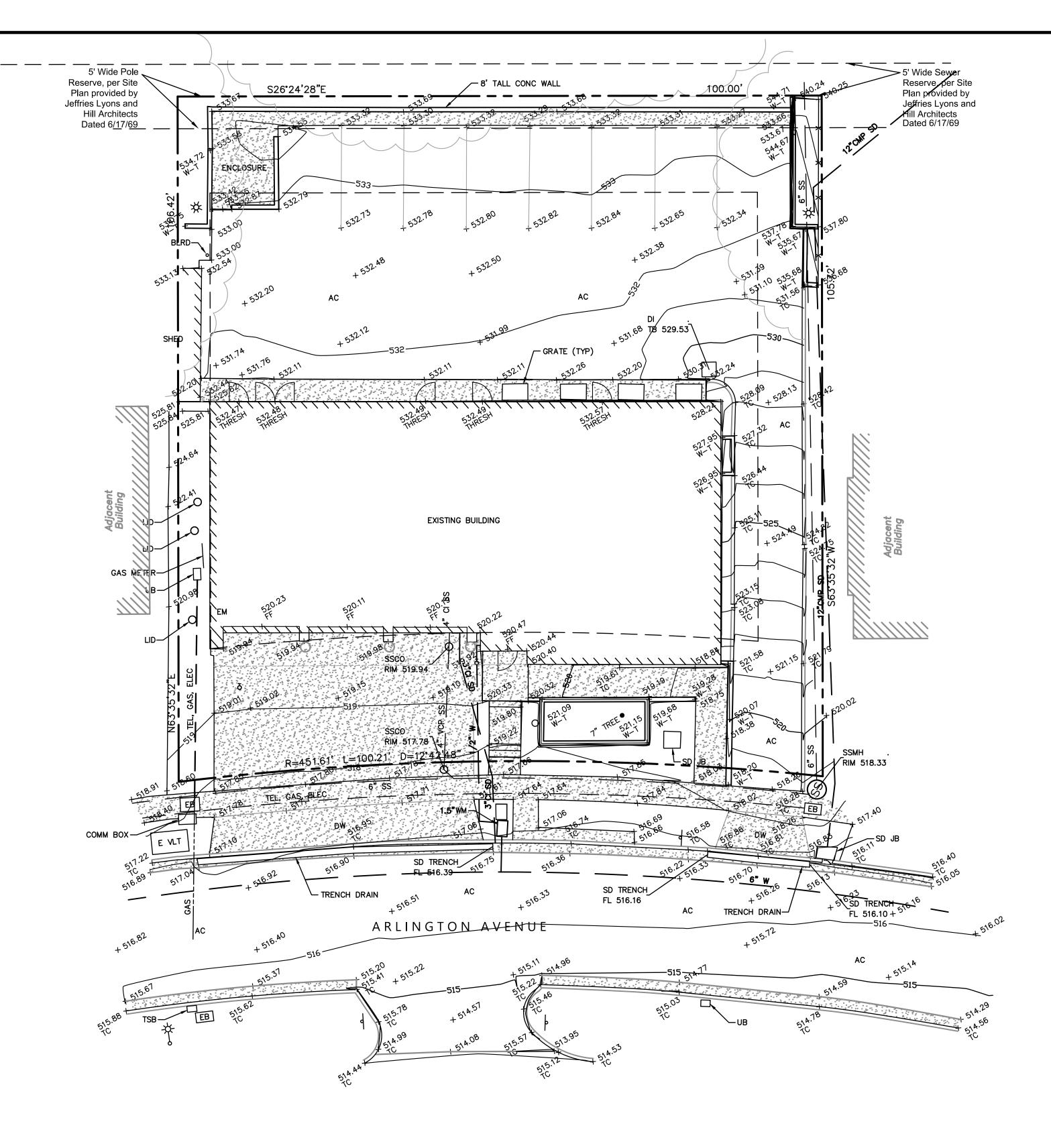
BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

9:58 am, Aug 05, 2022

INSPECTORS AT ALL TIMES.







EXISTI	NG ABBREVIATIONS	<u>LEGEND</u>	
AC	ASPHALT CONCRETE	δ	WATER VAL
APN BLRD	ASSESSOR'S PARCEL NUMBER BOLLARD	- o -	SIGN
BM CONC	BENCHMARK CONCRETE	~ ☆	STREET LIGI
DI DIA	DROP INLET DIAMETER	☆	LIGHT POLE
DW E	DRIVEWAY ELECTRIC	——————————————————————————————————————	FENCE
FF FL	FINISHED FLOOR SURFACE FLOWLINE	2	CONCRETE
SD SS	STORM DRAIN SANITARY SEWER	1.05° 0. 1. 0 0.0 0. 0 0.00	CONCILIE
SSCO	SANITARY SEWER CLEAN OUT		

SANITARY SEWER MANHOLE TOP OF BOX

TB TC TOP FACE OF CURB THRESH THRESHOLD TYP TYPICAL UTILITY BOX VLT VAULT WM WATER METER

TOP OF WALL

SSMH

BASIS OF BEARINGS

HEIGHT (m) LATITUDE LONGITUDE STATION 37°52'27.690029" -122°16'1.075795" 54.6535 SRB1 SIGMA (mm) 2.07 2.00 6.03

THE BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 3, EPOCH 2017.50, IN

ACCORDANCE WITH CALIFORNIA PUBLIC RESOURCES CODE SECTIONS

8801-8819; SAID COORDINATES ARE BASED LOCALLY UPON

FIELD-OBSERVED TIES RELATIVE TO CALIFORNIA SPATIAL REFERENCE NETWORK STATION SRB1. DISTANCES ARE GRID BASED. DIVIDE BY A COMBINED SCALE FACTOR OF 0.99991317 TO OBTAIN GROUND

DISTANCES. VALUES SHOWN BELOW IN THE TABLE ARE IN ITRF 2014.

BENCHMARK

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



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

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CLIENT:

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

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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

MONTEREY, CA 93940 CONTACT: RON BLUE T: (831) 373-4390 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

LIST ENGINEERING CO.

2 HARRIS CT STE A7

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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
2	PLANNING SUBMITTAL	11/01/202
3	PLANNING REVISION 2	02/04/202
4	PLANNING REVISION 3	03/11/202
5	ISSUED FOR BUILDING PERMIT	04/01/202
6	PLAN CHECK COMMENTS	07/22/202

JOB NO.

211363 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

EXISTING CONDITIONS

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

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER

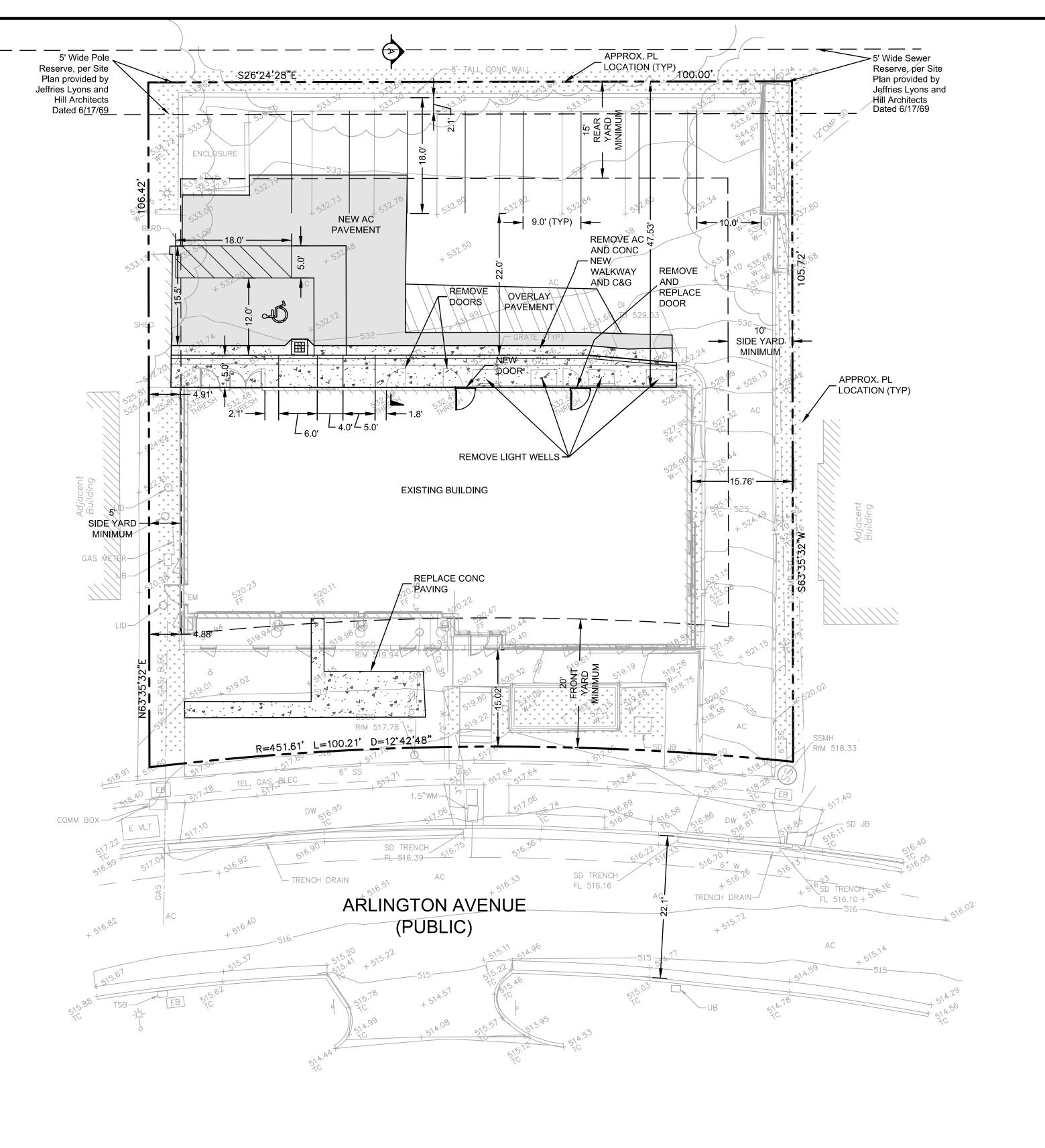
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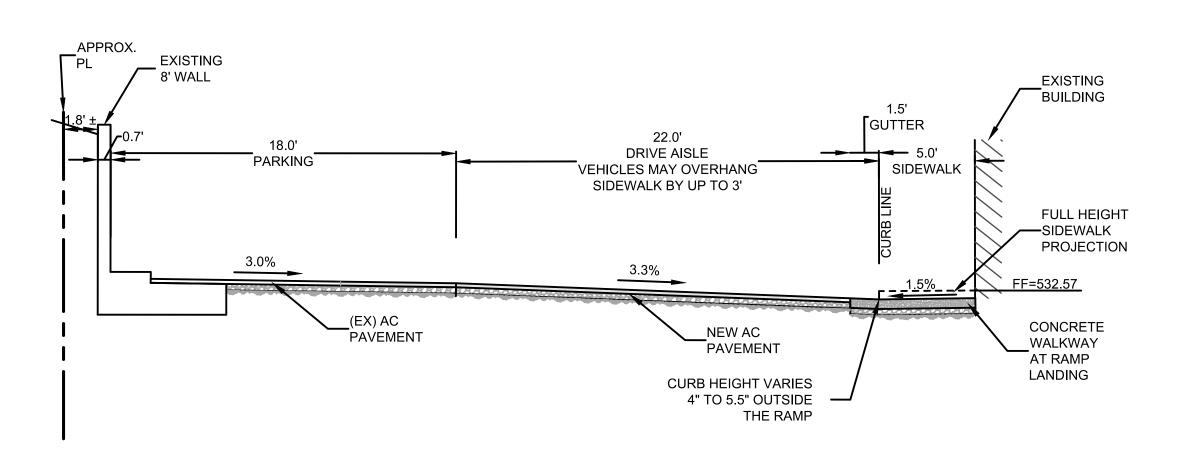
9:58 am, Aug 05, 2022

REVIEWED

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By: ROSALINA ACUFF





(A) CROSS SECTION NTS



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

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CLIENT:

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

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

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

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

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

DESCRIPTION DATE PLANNING SUBMITTAL 11/01/202 PLANNING REVISION 2 02/04/202 PLANNING REVISION 3 03/11/202 ISSUED FOR BUILDING PERMIT 04/01/202 PLAN CHECK COMMENTS

JOB NO.

211363 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

HORIZONTAL CONTROL AND PARKING STRIPING PLAN

1. ALL DIMENSIONS ARE IN FEET AND DECIMALS, THEREFORE, CONTRACTOR TO NOTIFY THE CIVIL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES IN THE

PROVIDED DIMENSIONS. 2. REFER TO ARCHITECTURAL PLANS FOR BUILDING DETAILS.

NOTES

LEGEND

PROPERTY LINE

BUILDING OVERHANG

NEW CONCRETE PAVEMENT

NEW ASPHALT OVERLAY

EXISTING LANDSCAPE

MINIMUM SETBACK REQUIREMENTS

NEW ASPHALT CONCRETE PAVEMENT

R-6 SINGLE-FAMILY RESIDENTIAL DISTRICT

3. FOR WALKS AND IN ADA ACCESSIBLE AREAS, CROSS SLOPES SHOULD NOT EXCEED 2% IN GRADE.

4. PROJECT DOES NOT PROPOSE TO REMOVE ANY TREES.

5. EXISTING BOUNDARY INFORMATION IS FROM RECORD INFORMATION ONLY AND IS NOT TIED TO MONUMENTS.

6. THE GENERAL PLAN DESIGNATION IS PS (PUBLIC/SEMI-PUBLIC).

7. THE ZONING DESIGNATION IS R-6 SINGLE-FAMILY RESIDENTIAL DISTRICT.

8. R-6 REQUIRES "THERE SHALL BE AN AGGREGATE SIDE YARD WIDTH OF AT LEAST FIFTEEN FEET. NO SIDE YARD SHALL BE LESS THAN 5 FEET WIDE."

9. R-6 REQUIRES "THERE SHALL BE A SETBACK (FRONT YARD) OF AT LEAST TWENTY FEET FOR ANY STRUCTURE IN THE R-6 DISTRICT." 10. R-6 REQUIRES "THERE SHALL BE A REAR YARD FOR ANY PRINCIPAL STRUCTURE

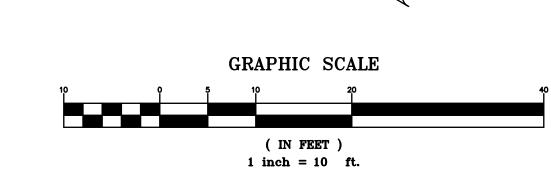
OF AT LEAST FIFTEEN FEET."

12. THE PROJECT SITE IS IN A FEMA ZONE X - AREA OF MINIMAL FLOOD HAZARD.

11. THE EXISTING BUILDING ENCROACHES IN SIDE AND FRONT MINIMUM SETBACKS.

LAND USE TOTALS

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



CONTRA COSTA COUNTY

BUILDING INSPECTION DIVISION

PERMIT NUMBER

BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

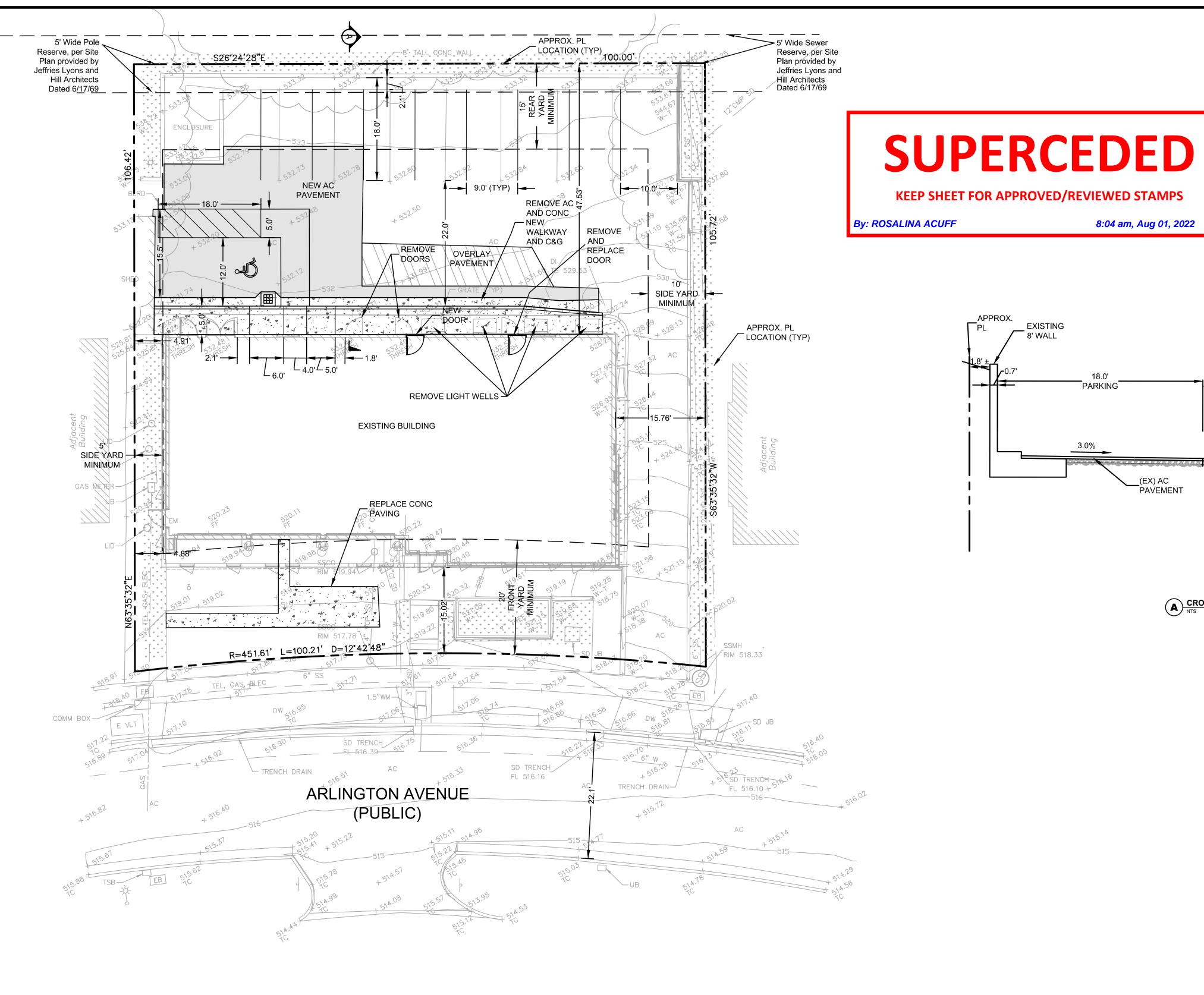
9:58 am, Aug 05, 2022

LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

By: ROSALINA ACUFF

OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN

INSPECTORS AT ALL TIMES.



CONTRA COSTA COUNTY CONSERVATION AND DEVELOPMENT COMMUNITY DEVELOPMENT DIVISION HAS ONLY APPROVED THE FOLLOWING: REVIEWED UNDER CDVR21-01040 FOR

PARKING PLAN

ANY DEVIATIONS, MODIFICATIONS, OR ADDITIONS TO THIS PLAN MUST BE REVIEWED AND APPROVED BY CONTRA COSTA COUNTY COMMUNITY DEVELOPMENT **BEFORE MODIFICATION. PLANNING APPROVED BY:**

Department of Conservation and Development

1.5' GUTTER

SIDEWALK

22.0'

DRIVE AISLE

VEHICLES MAY OVERHANG

SIDEWALK BY UP TO 3'

NEW AC

__PAVEMENT

CURB HEIGHT VARIES

4" TO 5.5" OUTSIDE

THE RAMP

EXISTING BUILDING

FULL HEIGHT

PROJECTION

-SIDEWALK

FF=532.57

CONCRETE

WALKWAY

AT RAMP

LANDING

8:04 am, Aug 01, 2022

_PAVEMENT

CROSS SECTION NTS

EXISTING

PARKING



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

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

T. (415) 522-0600

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

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

T: (925) 940-2200

T: (650) 394-8869

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

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

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

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

CONTACT: PETER MCDONALD T: (415) 255-9140

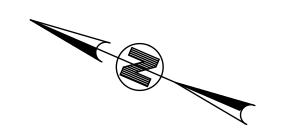
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

LAND USE TOTALS

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

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

9:58 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF



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

PLANNING REVISION 2 02/04/202 PLANNING REVISION 3 03/11/202 ISSUED FOR BUILDING PERMIT 04/01/202 JOB NO.

DESCRIPTION

PLANNING SUBMITTAL

DATE

11/01/202

211363 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

HORIZONTAL CONTROL AND PARKING STRIPING PLAN

1. ALL DIMENSIONS ARE IN FEET AND DECIMALS, THEREFORE, CONTRACTOR TO NOTIFY THE CIVIL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES IN THE

PROVIDED DIMENSIONS. 2. REFER TO ARCHITECTURAL PLANS FOR BUILDING DETAILS.

<u>NOTES</u>

LEGEND

PROPERTY LINE

BUILDING OVERHANG

NEW CONCRETE PAVEMENT

NEW ASPHALT OVERLAY

EXISTING LANDSCAPE

MINIMUM SETBACK REQUIREMENTS

NEW ASPHALT CONCRETE PAVEMENT

R-6 SINGLE-FAMILY RESIDENTIAL DISTRICT

3. FOR WALKS AND IN ADA ACCESSIBLE AREAS, CROSS SLOPES SHOULD NOT EXCEED 2% IN GRADE.

4. PROJECT DOES NOT PROPOSE TO REMOVE ANY TREES.

5. EXISTING BOUNDARY INFORMATION IS FROM RECORD INFORMATION ONLY AND IS NOT TIED TO MONUMENTS.

6. THE GENERAL PLAN DESIGNATION IS PS (PUBLIC/SEMI-PUBLIC).

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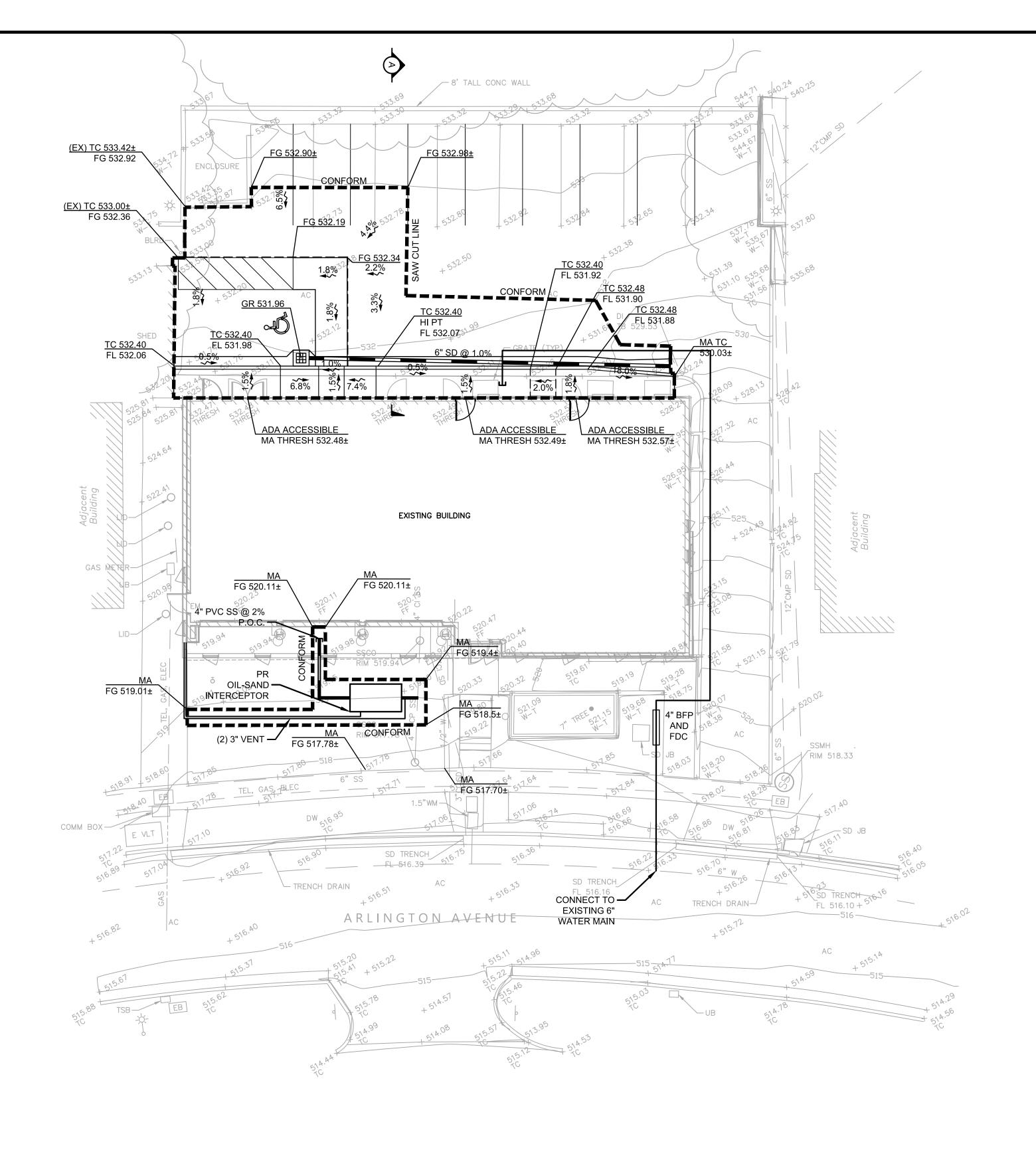
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11. THE EXISTING BUILDING ENCROACHES IN SIDE AND FRONT MINIMUM SETBACKS. 12. THE PROJECT SITE IS IN A FEMA ZONE X - AREA OF MINIMAL FLOOD HAZARD.

=10,427 SQ FT =9,094 SQ FT =1,333 SQ FT



<u>LEGEND</u>

— — — — — — SAW CUT LINE — — — — — — GRADE BREAK LINE ____<____ FLOW LINE SURFACE SLOPE XX.XX X SPOT ELEVATION STORM DRAIN LINE SANITARY SEWER LINE

FIRE WATER LINE

ABBREVIATIONS

ASPHALT CONCRETE BACK OF WALK **EXISTING** FINISH FLOOR FINISH GRADE FLOWLINE HIGH POINT LOW POINT

MATCH

TOP OF CURB

TOP OF TREATMENT SURFACE

TC

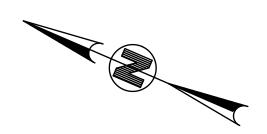
<u>NOTES</u>

1. INSTALL EPOXY COATED FITTINGS. CONTRACTOR TO APPLY MASTIC.

CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION
PERMIT NUMBER BICA22-004407

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By: ROSALINA ACUFF



GRAPHIC SCALE

(IN FEET) 1 inch = 10 ft.

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

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

CONTACT: MATT FRANTZ

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

T: (925) 940-2200

T: (650) 394-8869

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

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

T: (831) 373-4390

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

T: (415) 255-9140

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

2	PLANNING SUBMITTAL	11/01/20
3	PLANNING REVISION 2	02/04/20
4	PLANNING REVISION 3	03/11/20
5	ISSUED FOR BUILDING PERMIT	04/01/20
6	PLAN CHECK COMMENTS	07/22/20

DESCRIPTION

DATE

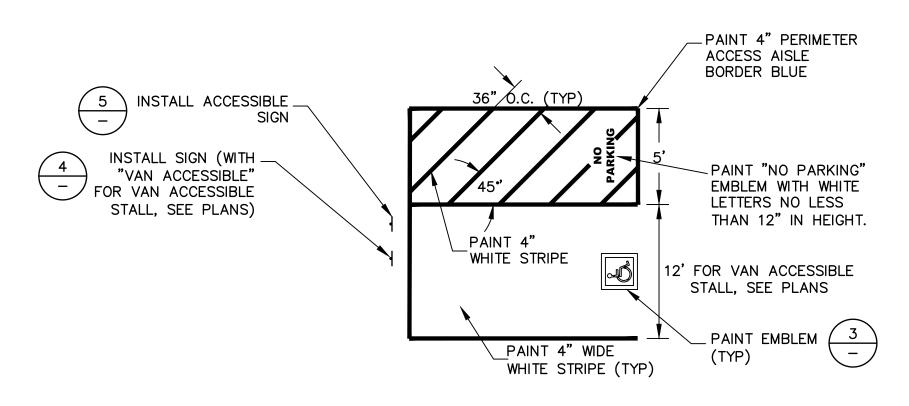
JOB NO.

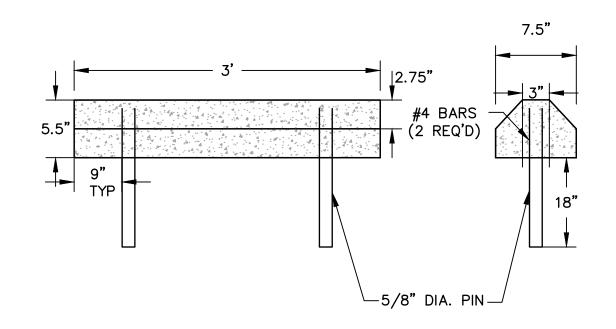
211363 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

GRADING AND UTILITY PLAN

C3.0

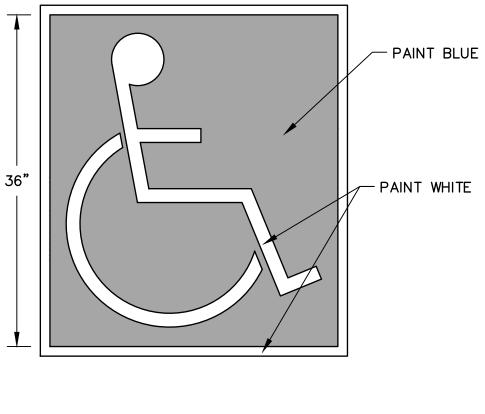




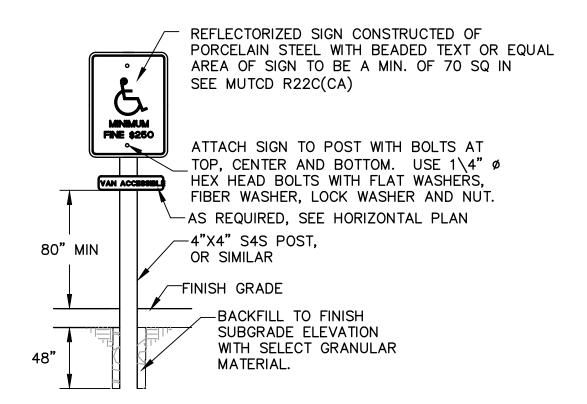
WHEEL STOP



ACCESSIBLE PARKING ENTRANCE SIGN







ACCESSIBLE SIGNAGE DETAIL



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

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM CLIENT:

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

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101

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

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

T: (650) 394-8869

T: (925) 940-2200

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

CONTACT: ERIC SWANSON

GEOTECH: HALEY ALDRICH 1956 WEBSTER ST #300

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

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

LIST ENGINEERING CO.

2 HARRIS CT STE A7

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	DAIL
2	PLANNING SUBMITTAL	11/01/202
3	PLANNING REVISION 2	02/04/202
4	PLANNING REVISION 3	03/11/202
5	ISSUED FOR BUILDING PERMIT	04/01/202
6	PLAN CHECK COMMENTS	07/22/202

JOB NO.

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION**

PERMIT NUMBER BICA22-004407

9:58 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

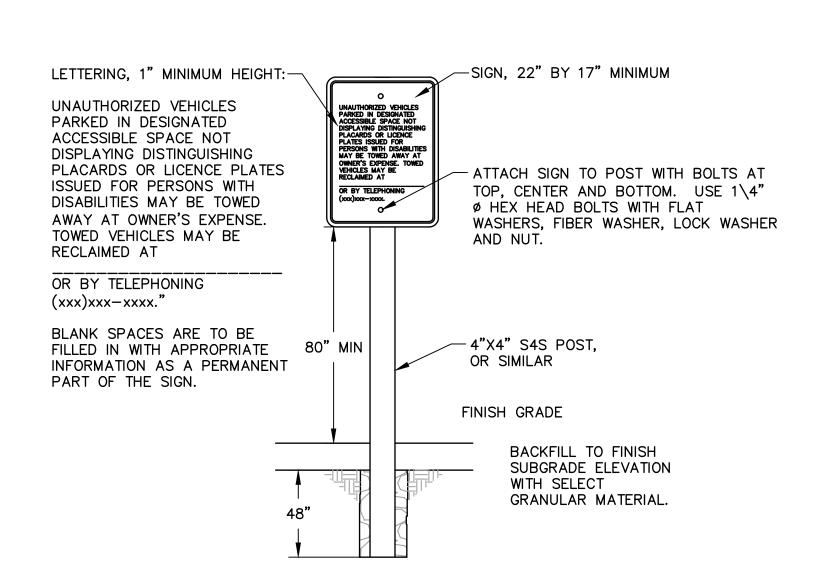
INSPECTORS AT ALL TIMES.

211363 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

DETAILS

C4.0



CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 9:58 am, Aug 05, 2022 FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF

MARJANG ARCHITECTURE



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CLIENT:

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

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T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS

T: (650) 394-8869

1390 EL CAMINO REAL STE 100 SAN CARLOS, CA 94070 CONTACT: MATT FRANTZ

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

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

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

T: (831) 373-4390 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC. 351 8TH STREET

CONTACT: RON BLUE

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

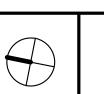
NO.	DESCRIPTION	DATE
2	PLANNING SUBMITTAL	11/01/202
3	50% DESIGN DEVELOPMENT	11/19/202
4	100% DESIGN DEVELOPMENT	12/17/202
5	PLANNING SUBMITTAL R1	01/06/202
6	PLANNING REVISION 2	02/04/202
7	ISSUED FOR BUILDING PERMIT	04/01/202
8	BLDG PERMIT PLAN CHECK RESPONSE	07/22/202

JOB NO.

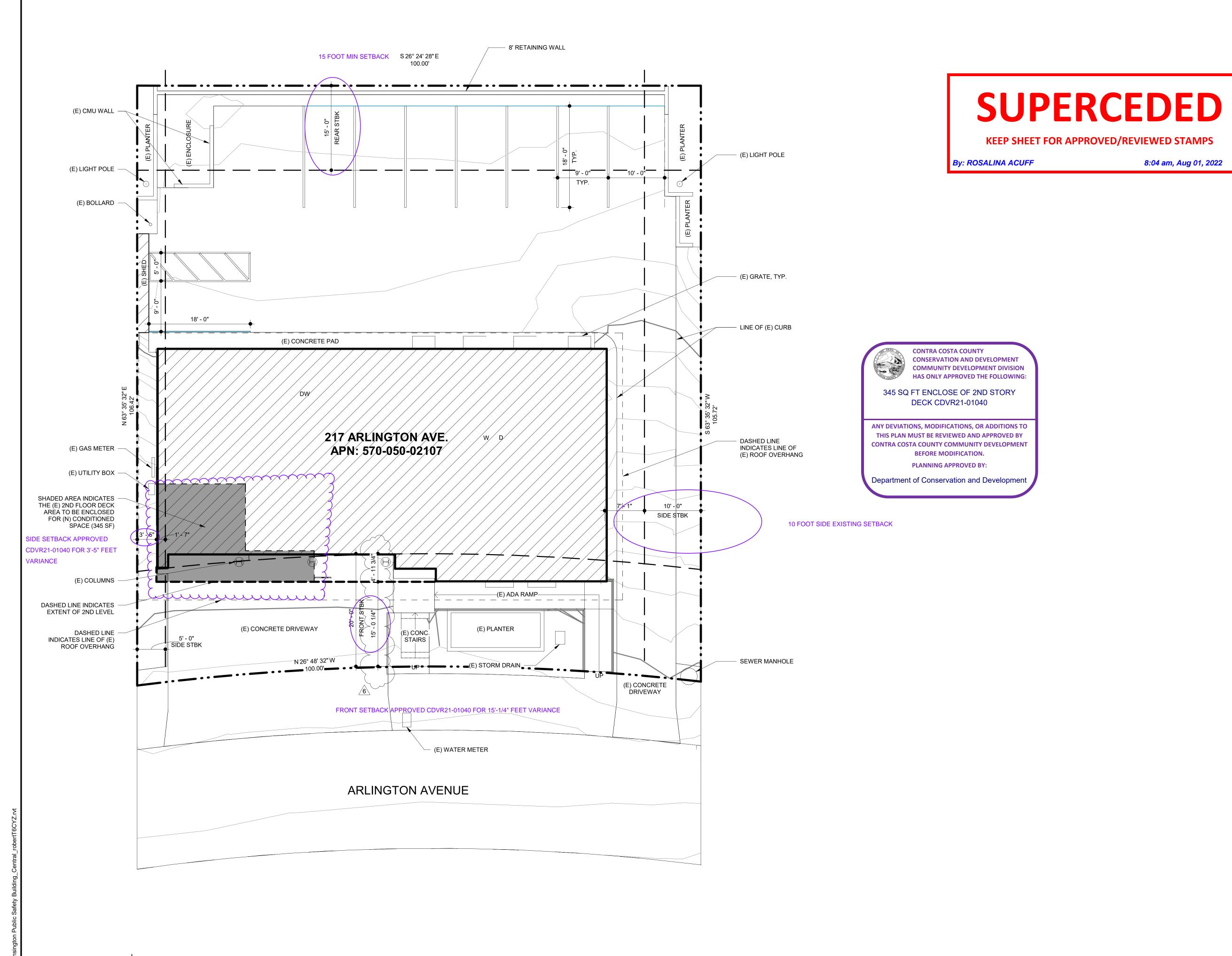
2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

SITE PLAN



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



CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 9:58 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF

MARJANG ARCHITECTURE

8:04 am, Aug 01, 2022



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CLIENT:

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

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

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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

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

CONTACT: ERIC SWANSON T: (925) 940-2200

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

HALEY ALDRICH

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

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

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

ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26

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

NO.	DESCRIPTION	DATE
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021
5	PLANNING SUBMITTAL R1	01/06/2022
6	PLANNING REVISION 2	02/04/2022
7	ISSUED FOR BUILDING PERMIT	04/01/2022

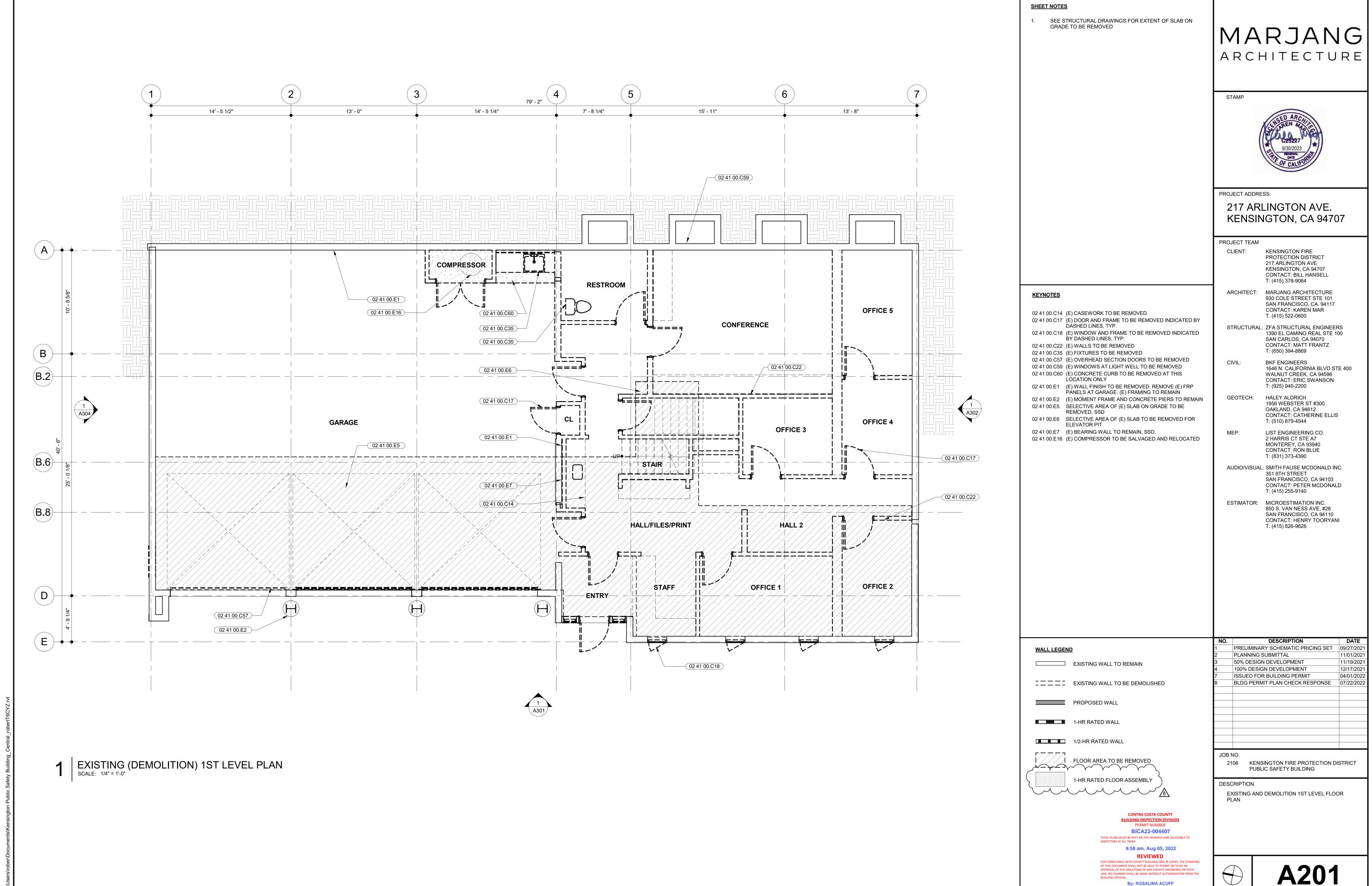
JOB NO.

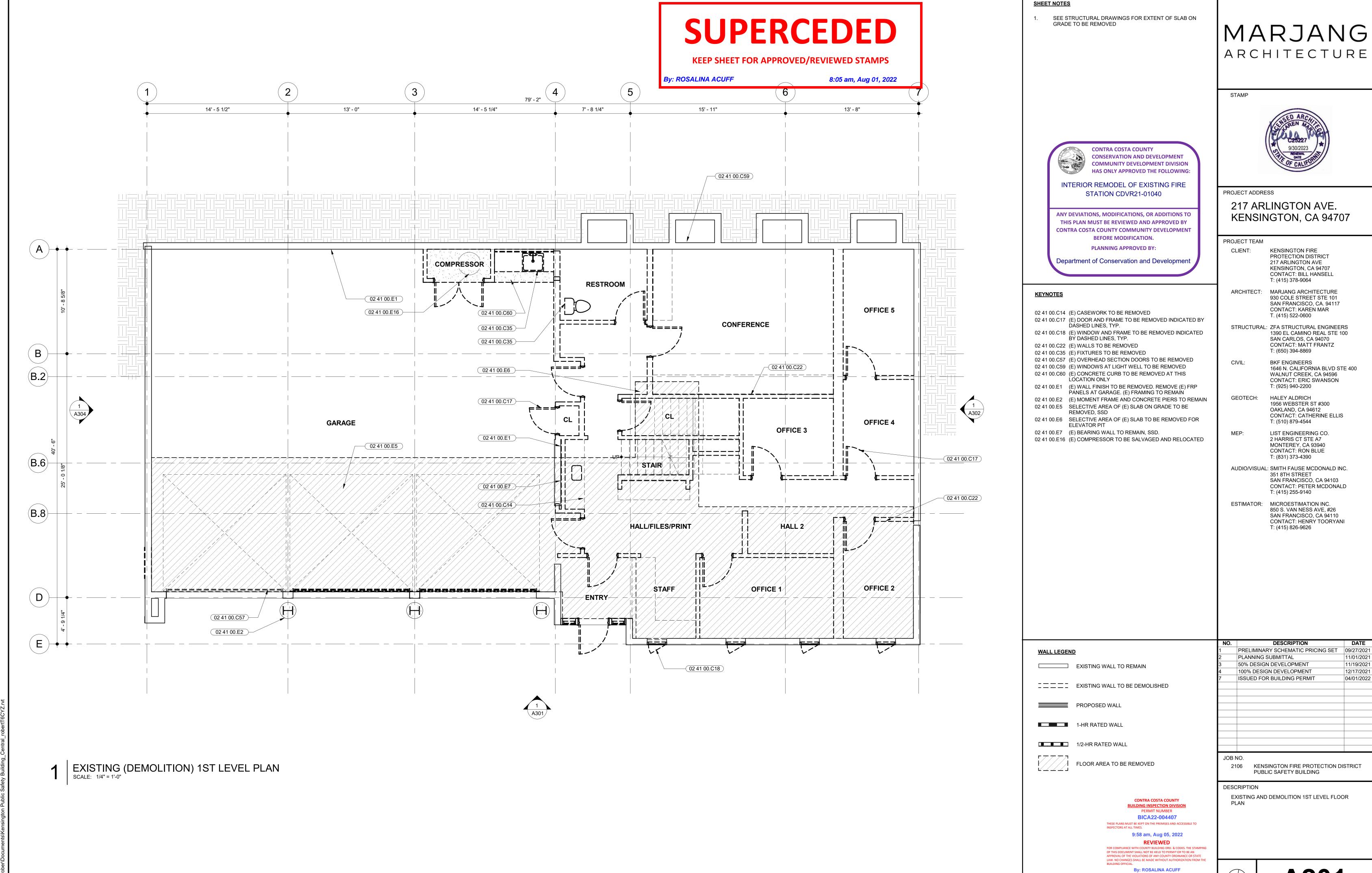
2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

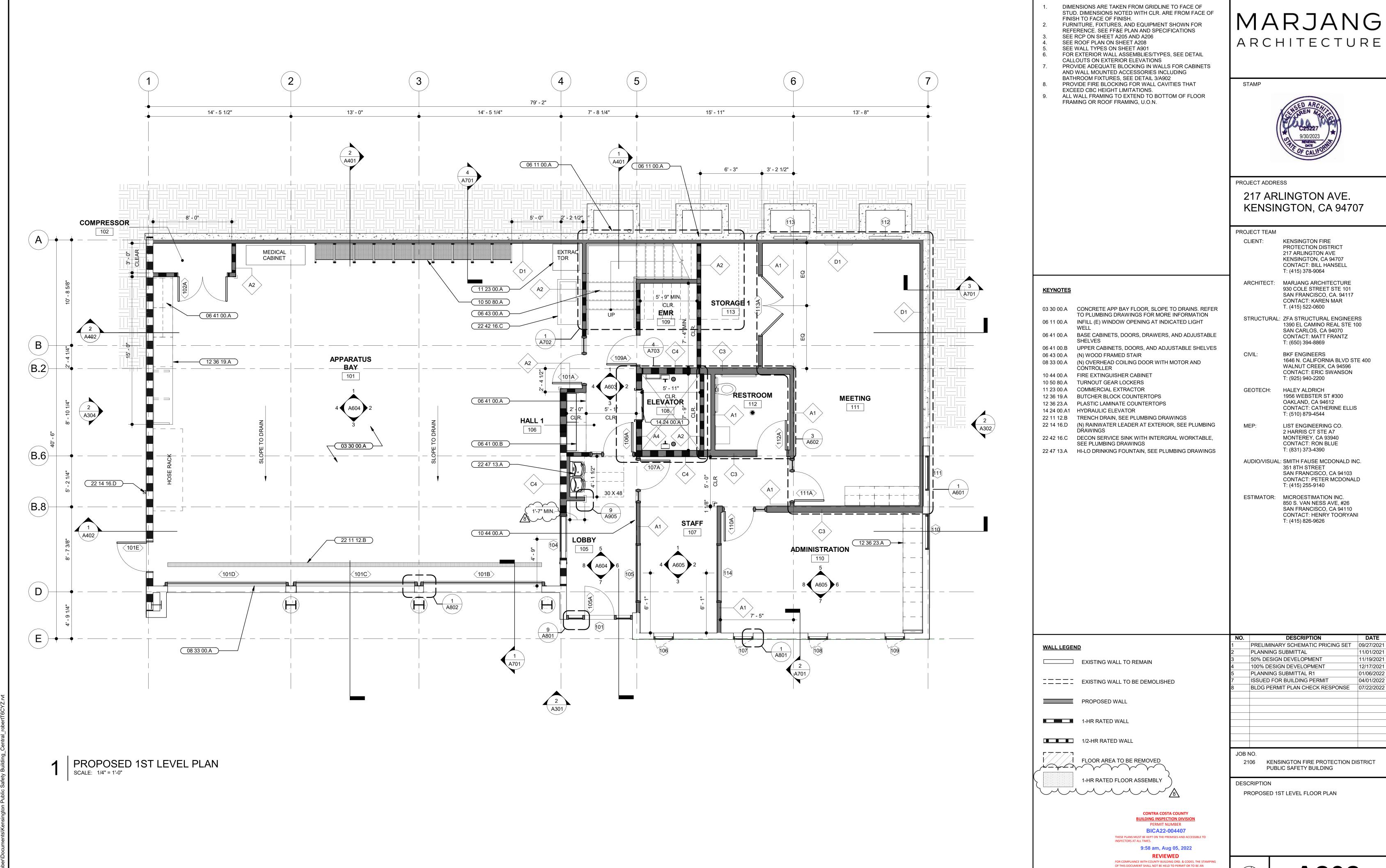
DESCRIPTION

SITE PLAN





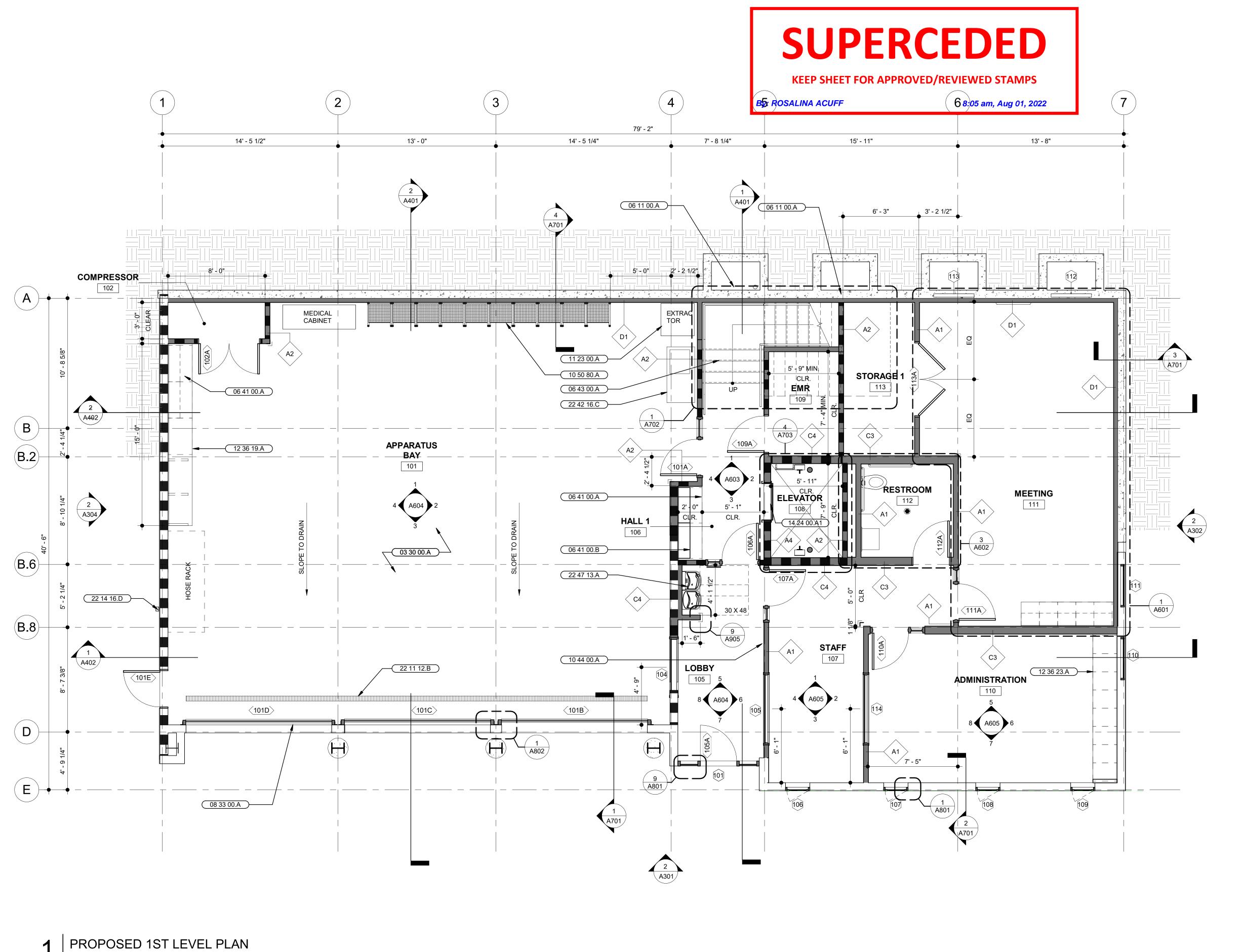




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SHEET NOTES

A202



SHEET NOTES

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



CONTRA COSTA COUNTY CONSERVATION AND DEVELOPMENT COMMUNITY DEVELOPMENT DIVISION HAS ONLY APPROVED THE FOLLOWING:

INTERIOR REMODEL OF EXISTING FIRE STATION CDVR21-01040

ANY DEVIATIONS, MODIFICATIONS, OR ADDITIONS TO THIS PLAN MUST BE REVIEWED AND APPROVED BY CONTRA COSTA COUNTY COMMUNITY DEVELOPMENT **BEFORE MODIFICATION.**

PLANNING APPROVED BY:

Department of Conservation and Development

KEYNOTES

03 30 00.A CONCRETE APP BAY FLOOR, SLOPE TO DRAINS. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION INFILL (E) WINDOW OPENING AT INDICATED LIGHT 06 11 00.A

BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE

UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES (N) WOOD FRAMED STAIR 06 43 00.A

(N) OVERHEAD COILING DOOR WITH MOTOR AND CONTROLLER

FIRE EXTINGUISHER CABINET TURNOUT GEAR LOCKERS

11 23 00.A COMMERCIAL EXTRACTOR 12 36 19.A BUTCHER BLOCK COUNTERTOPS 12 36 23.A PLASTIC LAMINATE COUNTERTOPS

14 24 00.A1 HYDRAULIC ELEVATOR TRENCH DRAIN, SEE PLUMBING DRAWINGS 22 11 12.B (N) RAINWATER LEADER AT EXTERIOR, SEE PLUMBING

DECON SERVICE SINK WITH INTERGRAL WORKTABLE. SEE PLUMBING DRAWINGS 22 47 13.A HI-LO DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS MARJANG ARCHITECTURE



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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1390 EL CAMINO REAL STE 100

CONTACT: MATT FRANTZ T: (650) 394-8869 **BKF ENGINEERS**

SAN CARLOS, CA 94070

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

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

T: (510) 879-4544

T: (831) 373-4390

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

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

WALL LEGEND

EXISTING WALL TO REMAIN

EXISTING WALL TO BE DEMOLISHED

PROPOSED WALL

1-HR RATED WALL

1/2-HR RATED WALL

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407

9:58 am, Aug 05, 2022 OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN

LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM T By: ROSALINA ACUFF

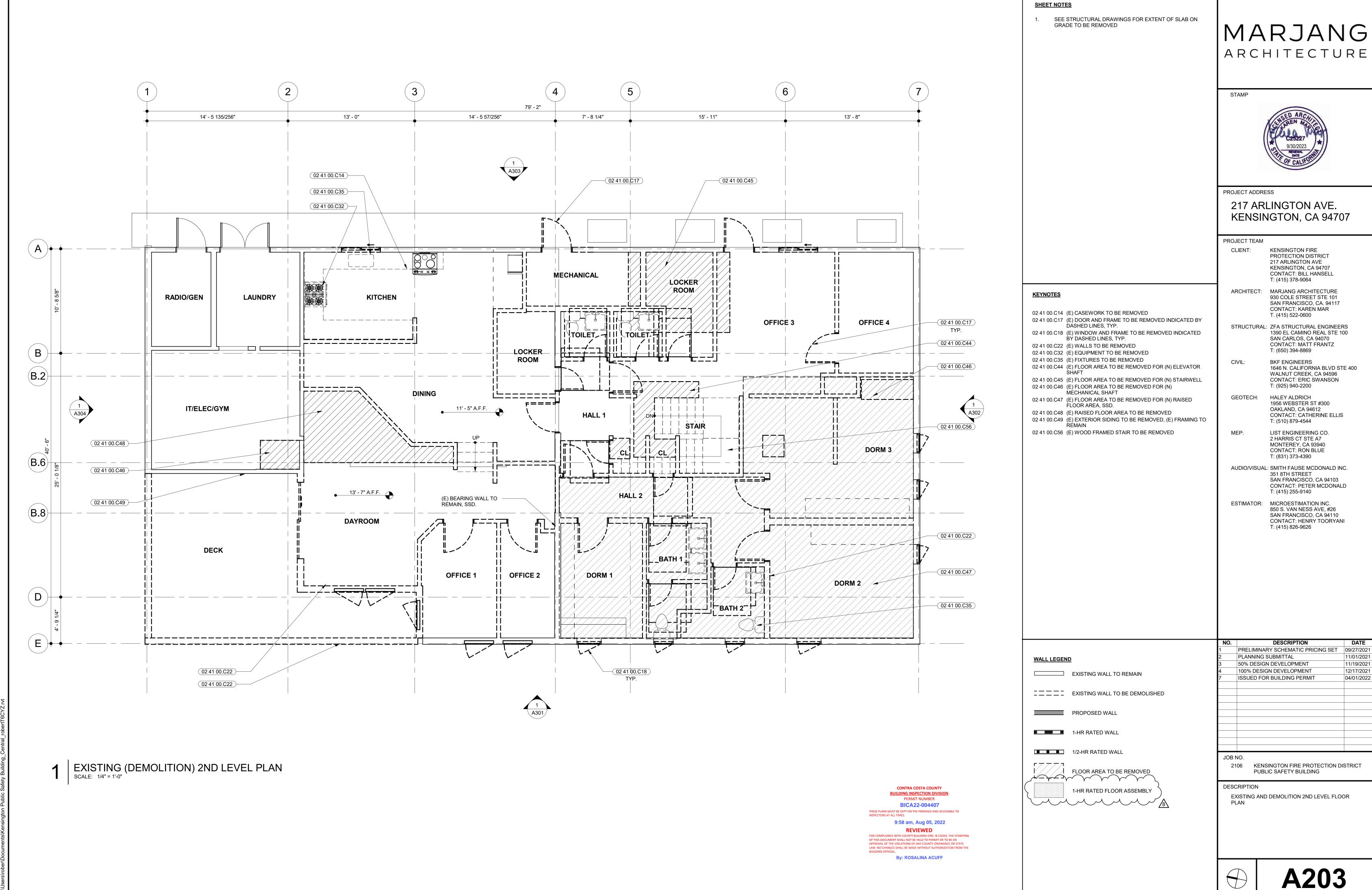
DESCRIPTION PRELIMINARY SCHEMATIC PRICING SET 09/27/2021 PLANNING SUBMITTAL 11/01/2021 11/19/2021 50% DESIGN DEVELOPMENT 100% DESIGN DEVELOPMENT 12/17/2021 PLANNING SUBMITTAL R1 01/06/2022 ISSUED FOR BUILDING PERMIT 04/01/2022 JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT

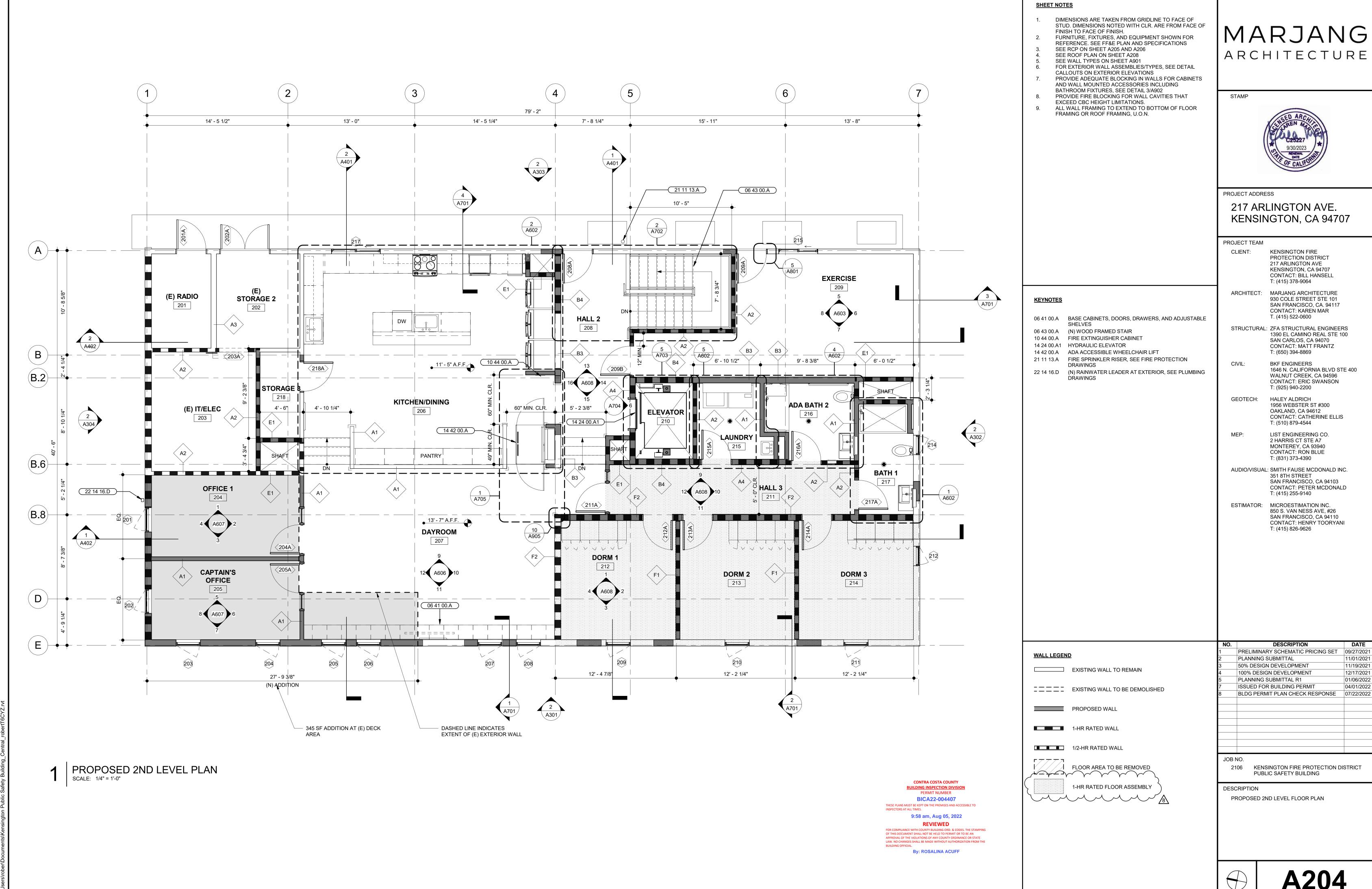
PUBLIC SAFETY BUILDING

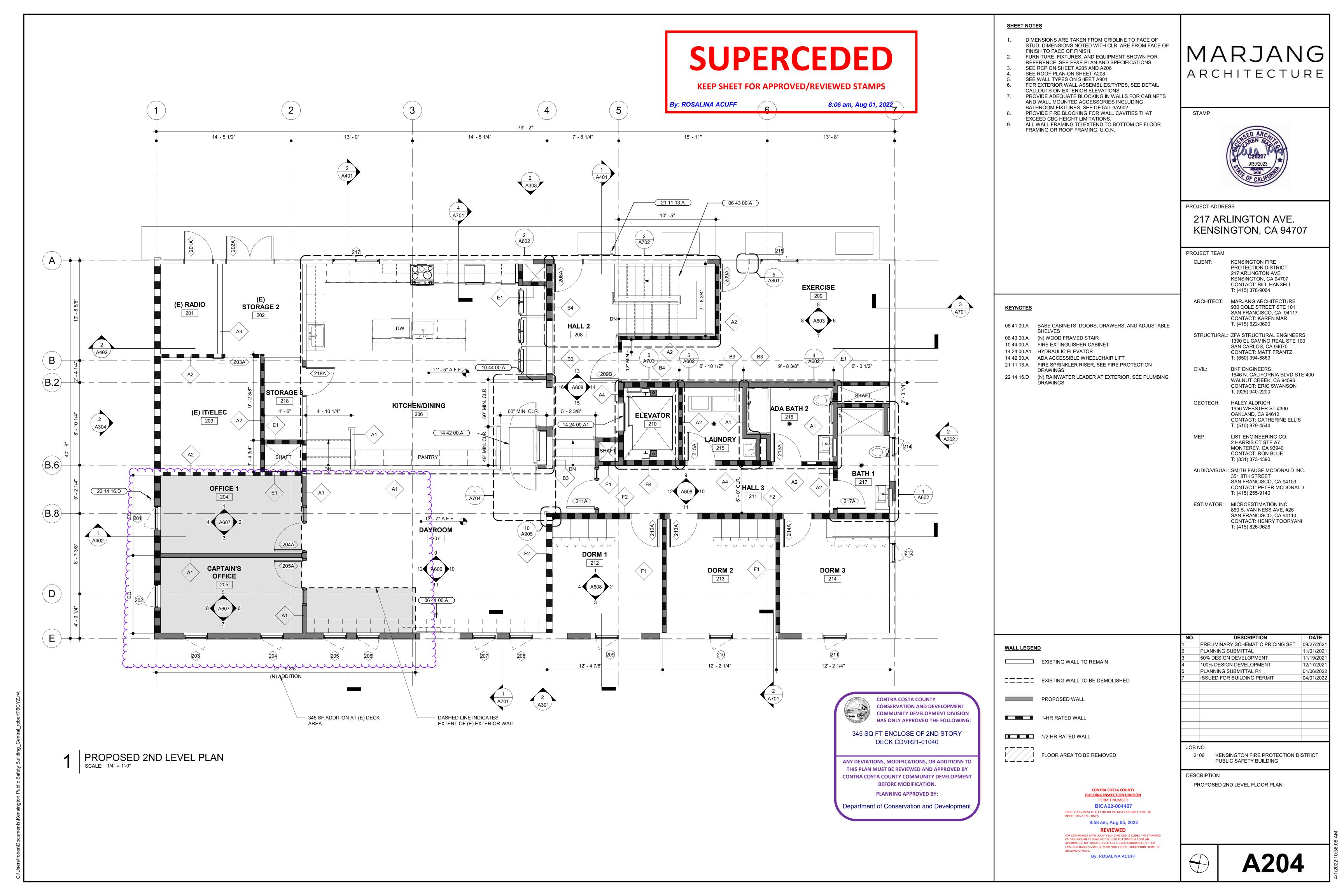
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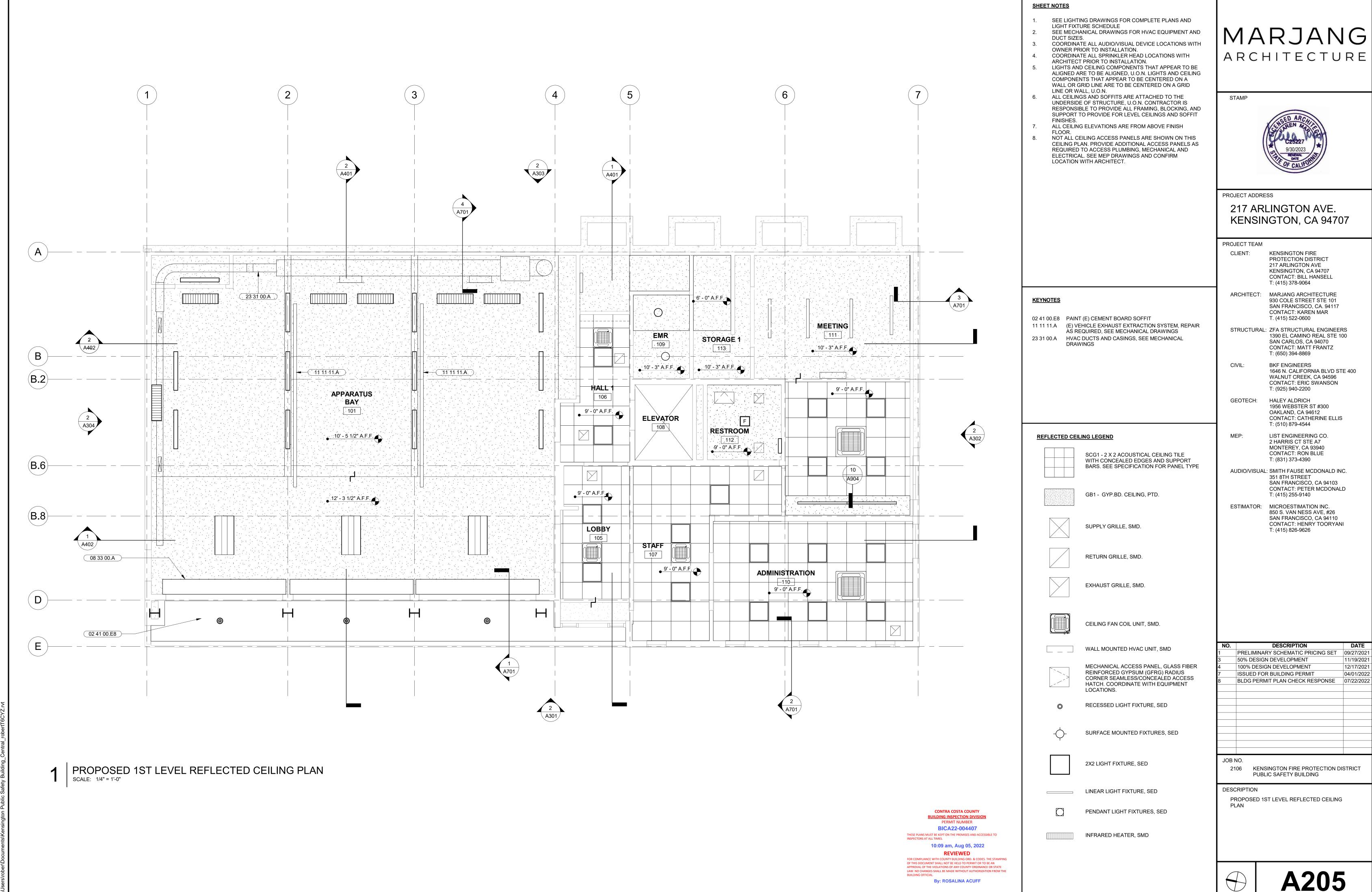
PROPOSED 1ST LEVEL FLOOR PLAN

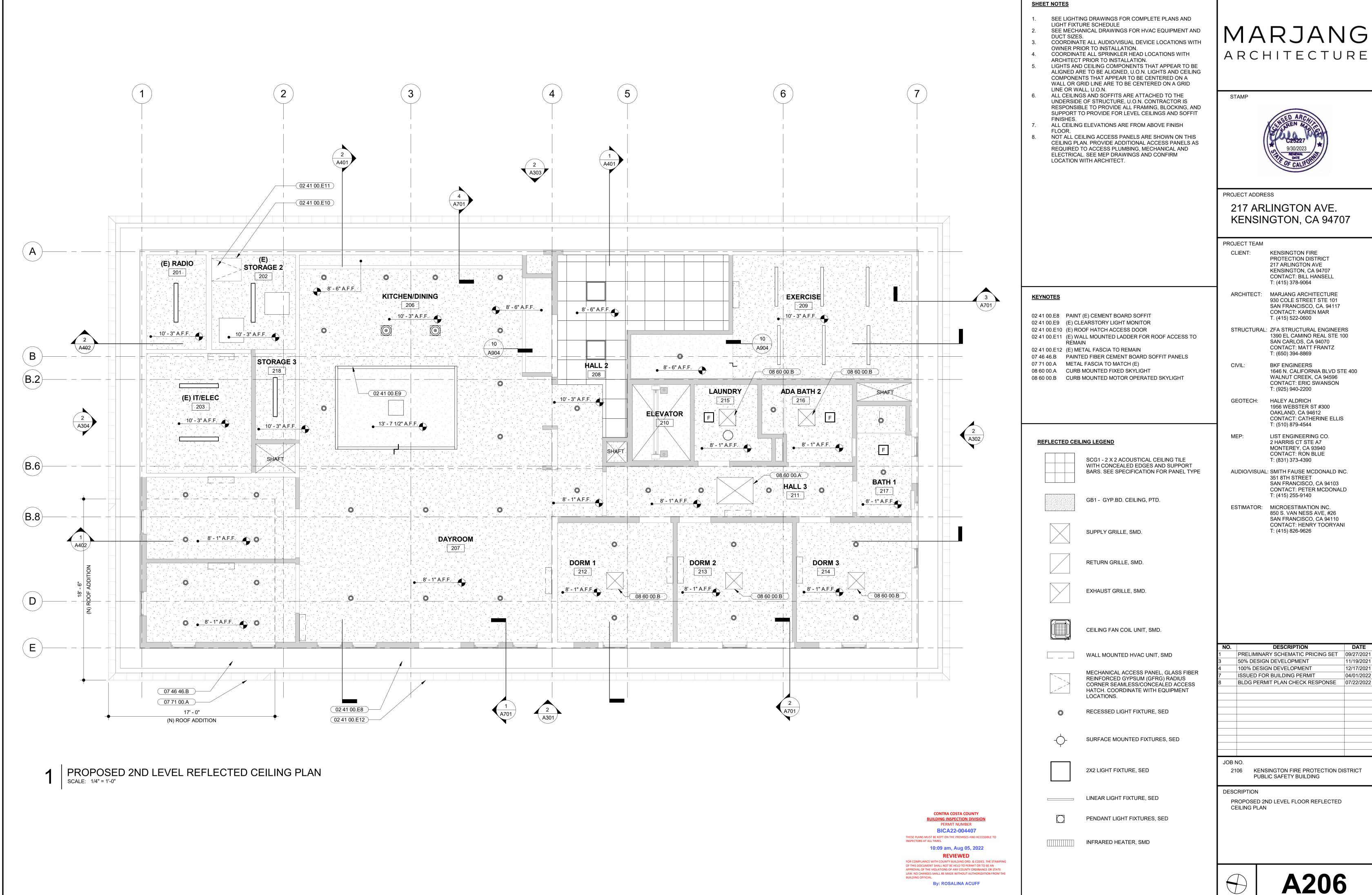
PROPOSED 1ST LEVEL PLAN SCALE: 1/4" = 1'-0"

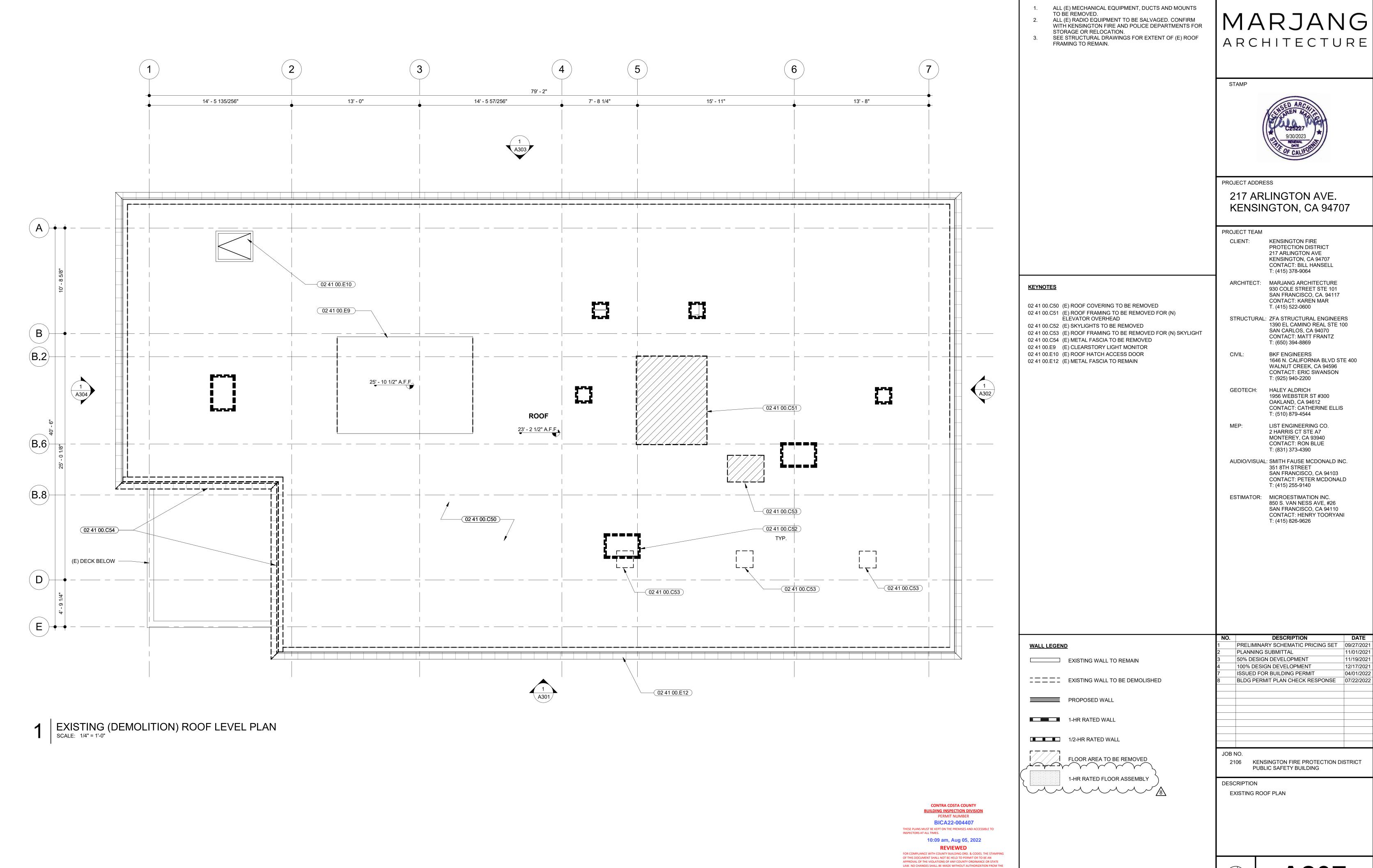






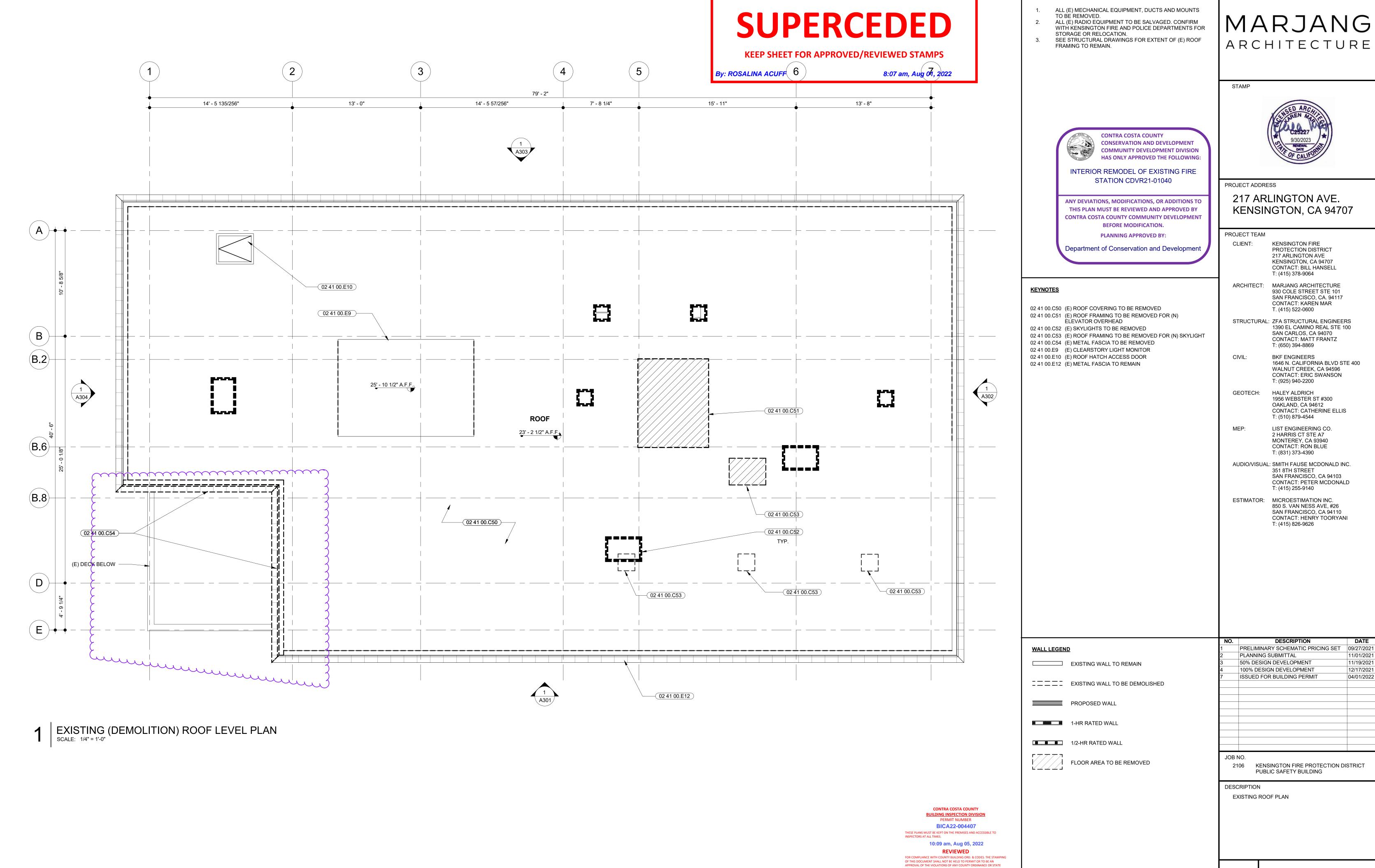






SHEET NOTES

By: ROSALINA ACUFF



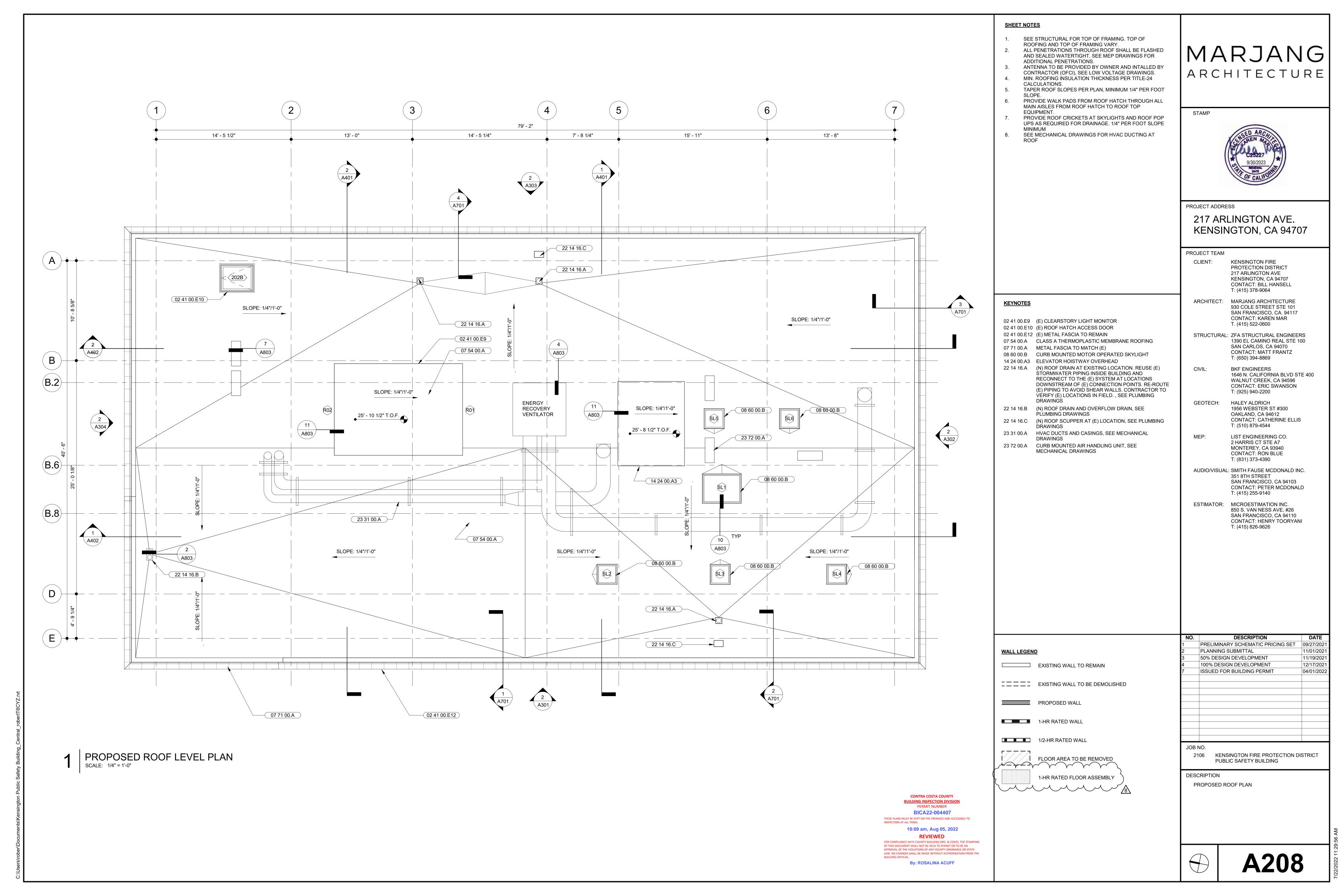
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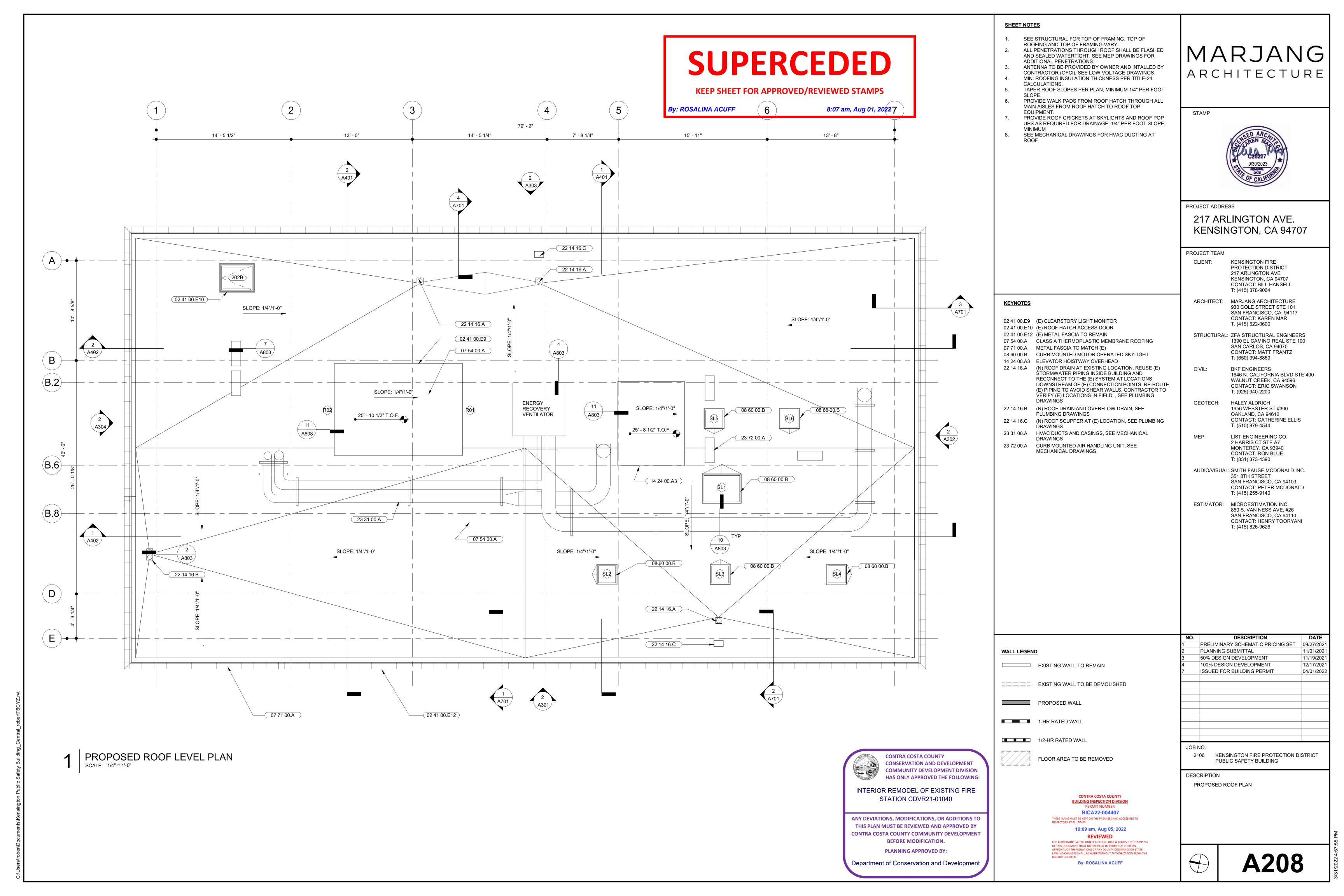
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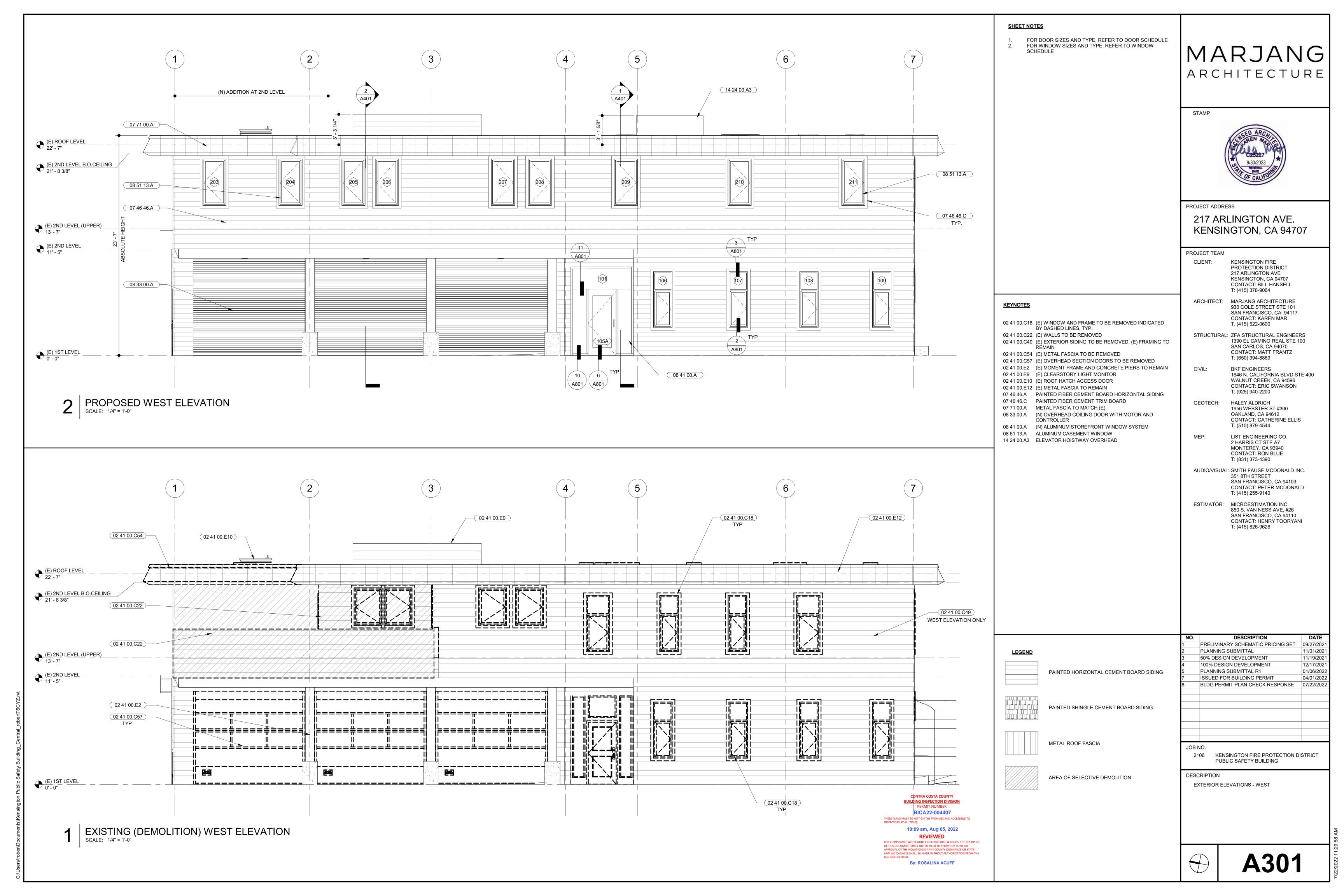
SHEET NOTES

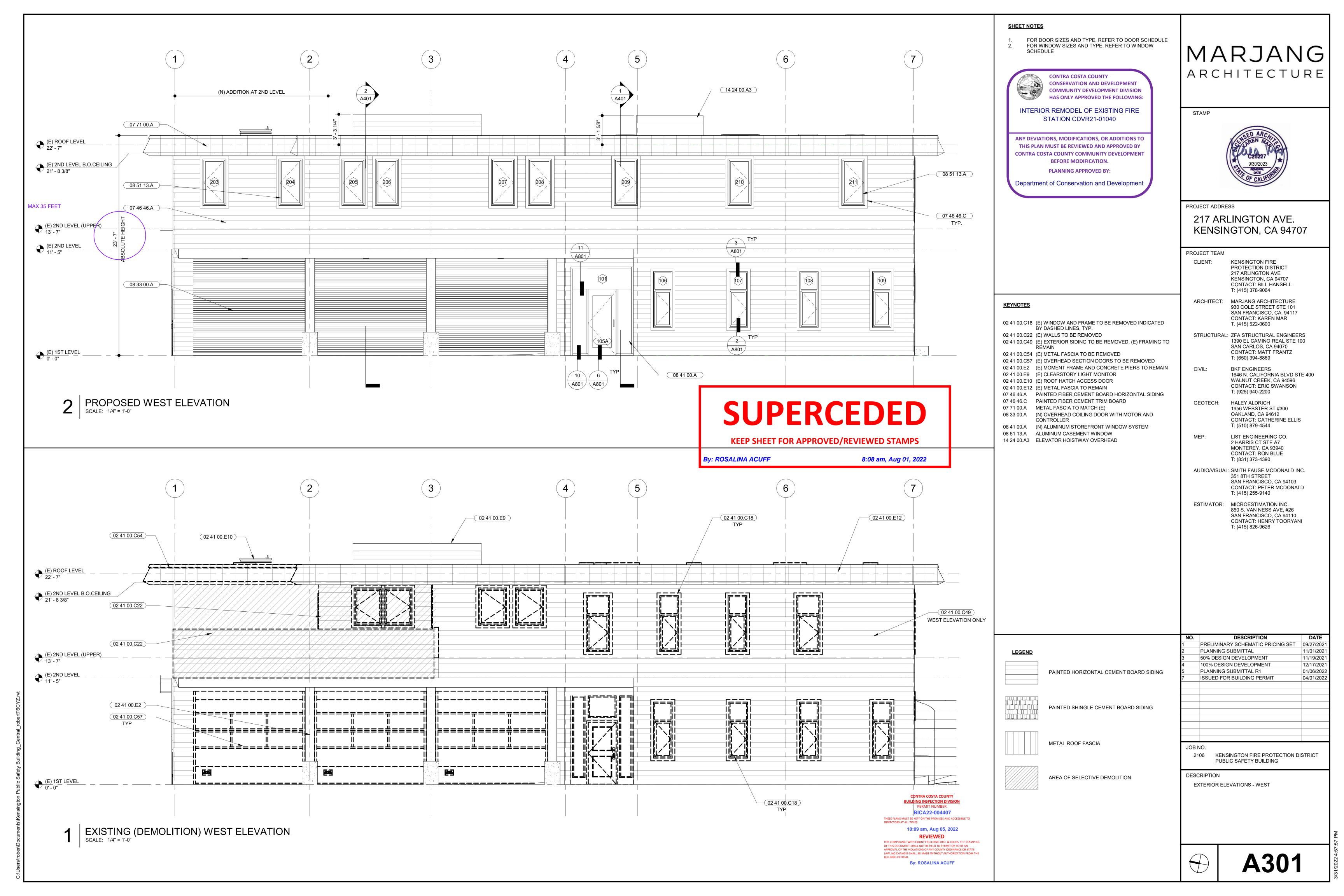
LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL.

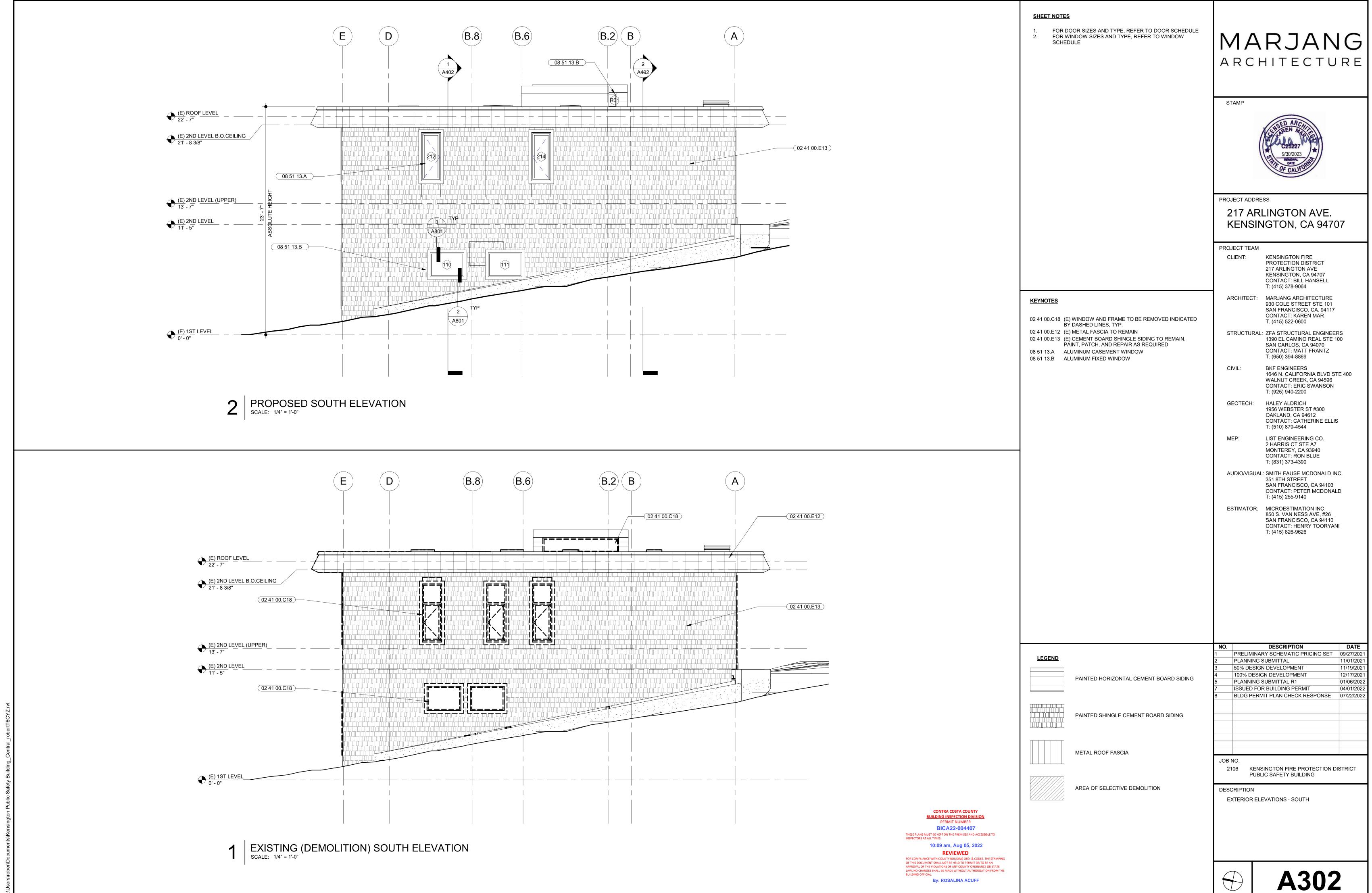
By: ROSALINA ACUFF

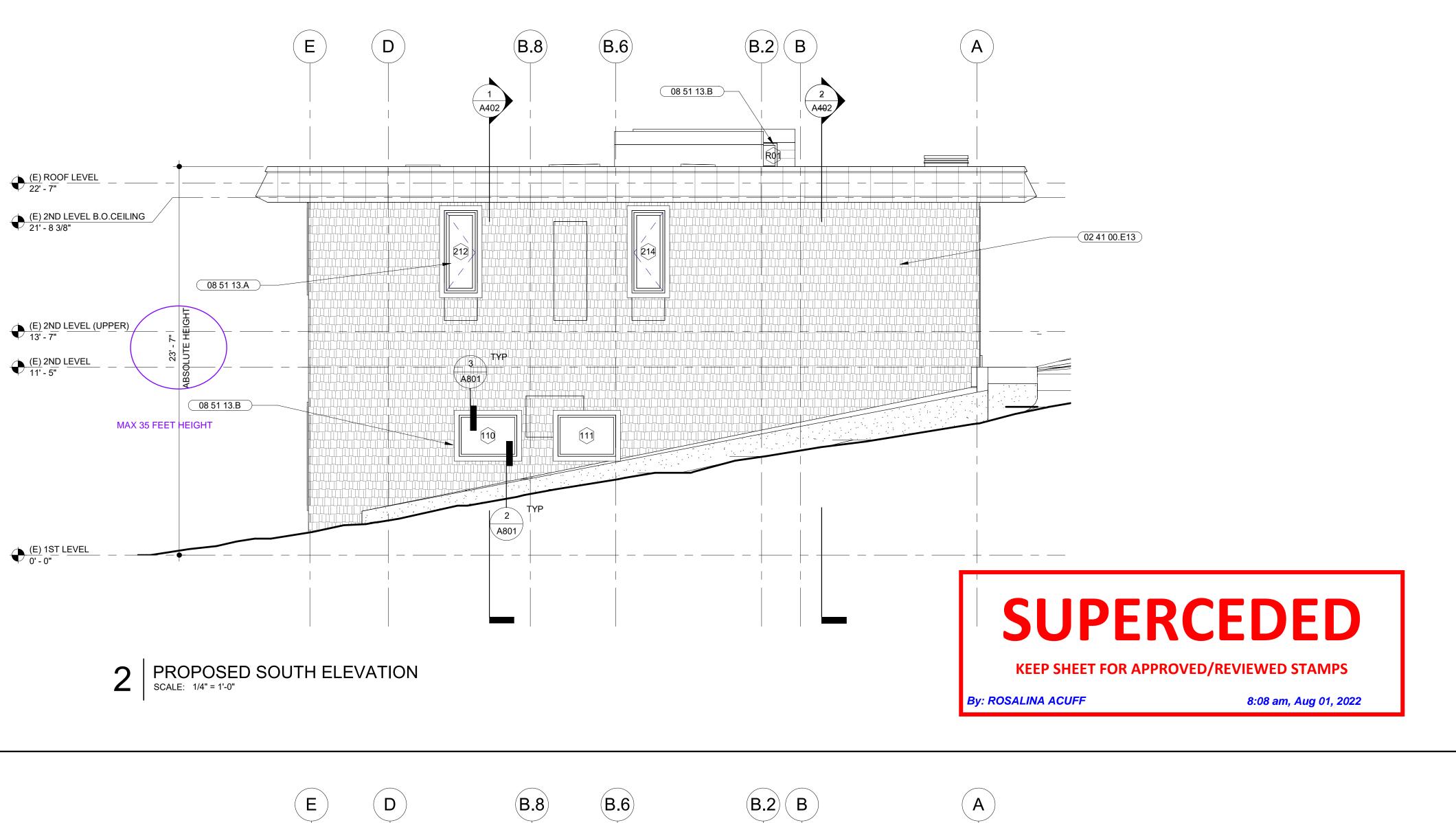


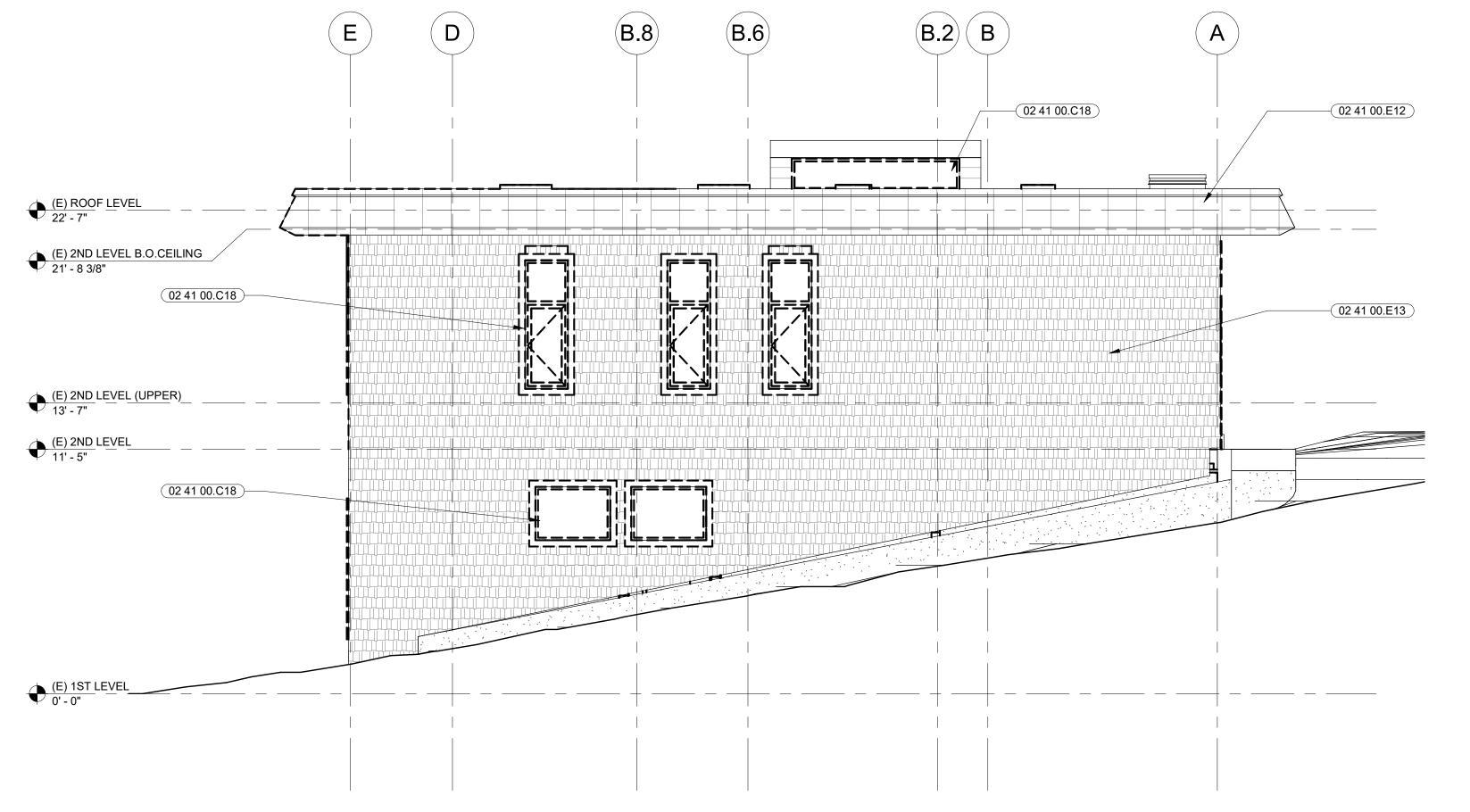












EXISTING (DEMOLITION) SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION
PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO 10:09 am, Aug 05, 2022

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE

By: ROSALINA ACUFF

SHEET NOTES

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



KEYNOTES

CONTRA COSTA COUNTY CONSERVATION AND DEVELOPMENT COMMUNITY DEVELOPMENT DIVISION HAS ONLY APPROVED THE FOLLOWING:

INTERIOR REMODEL OF EXISTING FIRE STATION CDVR21-01040

ANY DEVIATIONS, MODIFICATIONS, OR ADDITIONS TO

THIS PLAN MUST BE REVIEWED AND APPROVED BY CONTRA COSTA COUNTY COMMUNITY DEVELOPMENT BEFORE MODIFICATION.

Department of Conservation and Development

PLANNING APPROVED BY:

02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED

PÁINT, PATCH, AND REPAIR AS REQUIRED

02 41 00.E13 (E) CEMENT BOARD SHINGLE SIDING TO REMAIN.

BÝ DASHED LINES, TYP.

02 41 00.E12 (E) METAL FASCIA TO REMAIN

08 51 13.A ALUMINUM CASEMENT WINDOW

08 51 13.B ALUMINUM FIXED WINDOW

MARJANG ARCHITECTURE

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

CONTACT: MATT FRANTZ

T: (650) 394-8869 **BKF ENGINEERS** 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596

CONTACT: ERIC SWANSON

HALEY ALDRICH 1956 WEBSTER ST #300

T: (925) 940-2200

OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544 LIST ENGINEERING CO.

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

2 HARRIS CT STE A7 MONTEREY, CA 93940

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

CONTACT: HENRY TOORYANI

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

T: (415) 826-9626

DESCRIPTION PRELIMINARY SCHEMATIC PRICING SET

PLANNING SUBMITTAL

50% DESIGN DEVELOPMENT

PLANNING SUBMITTAL R1

100% DESIGN DEVELOPMENT

ISSUED FOR BUILDING PERMIT

09/27/2021

11/01/2021

11/19/2021

12/17/2021

01/06/2022

04/01/2022

PAINTED HORIZONTAL CEMENT BOARD SIDING

<u>LEGEND</u>

PAINTED SHINGLE CEMENT BOARD SIDING



METAL ROOF FASCIA



AREA OF SELECTIVE DEMOLITION

JOB NO.

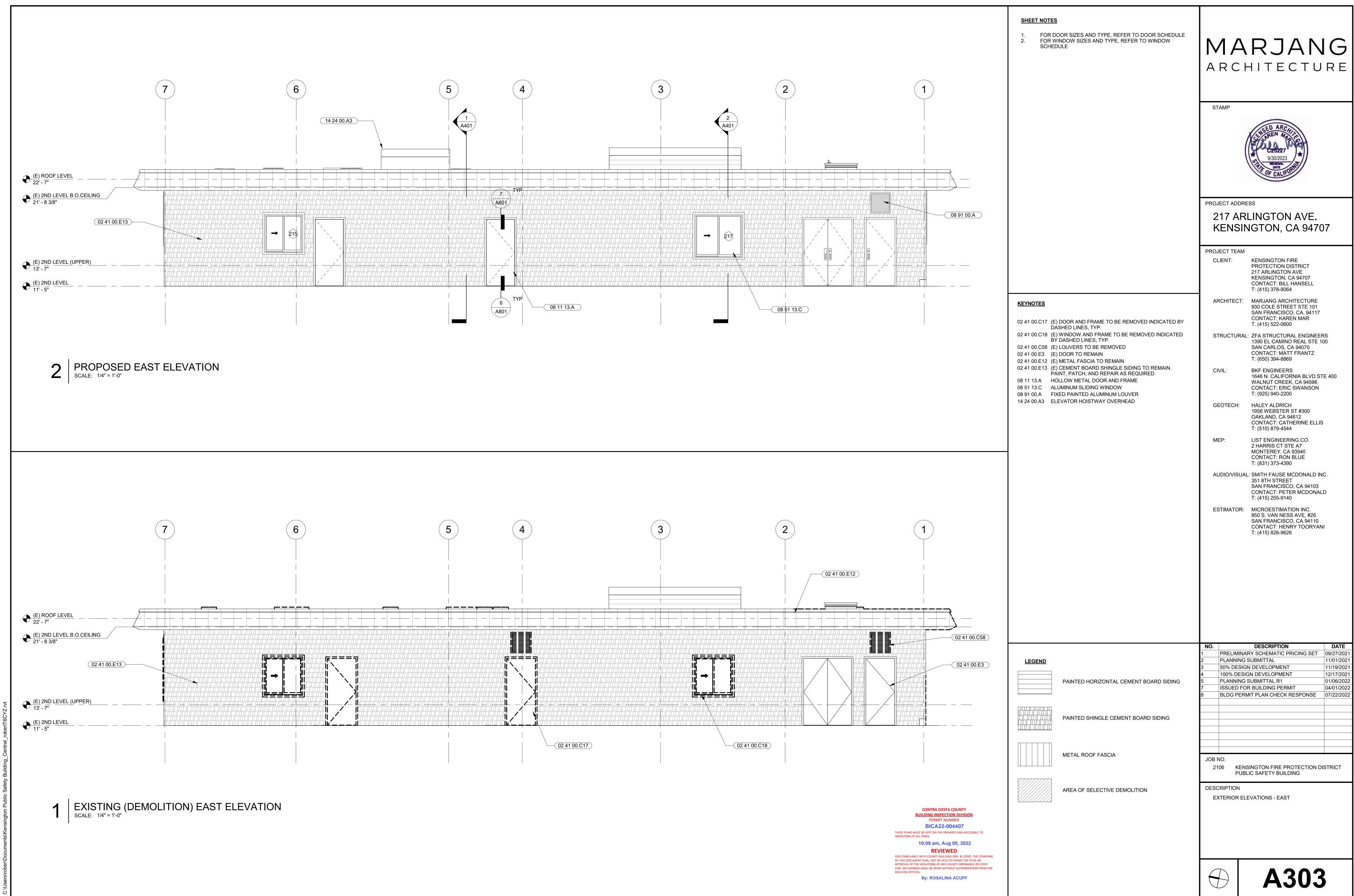
2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

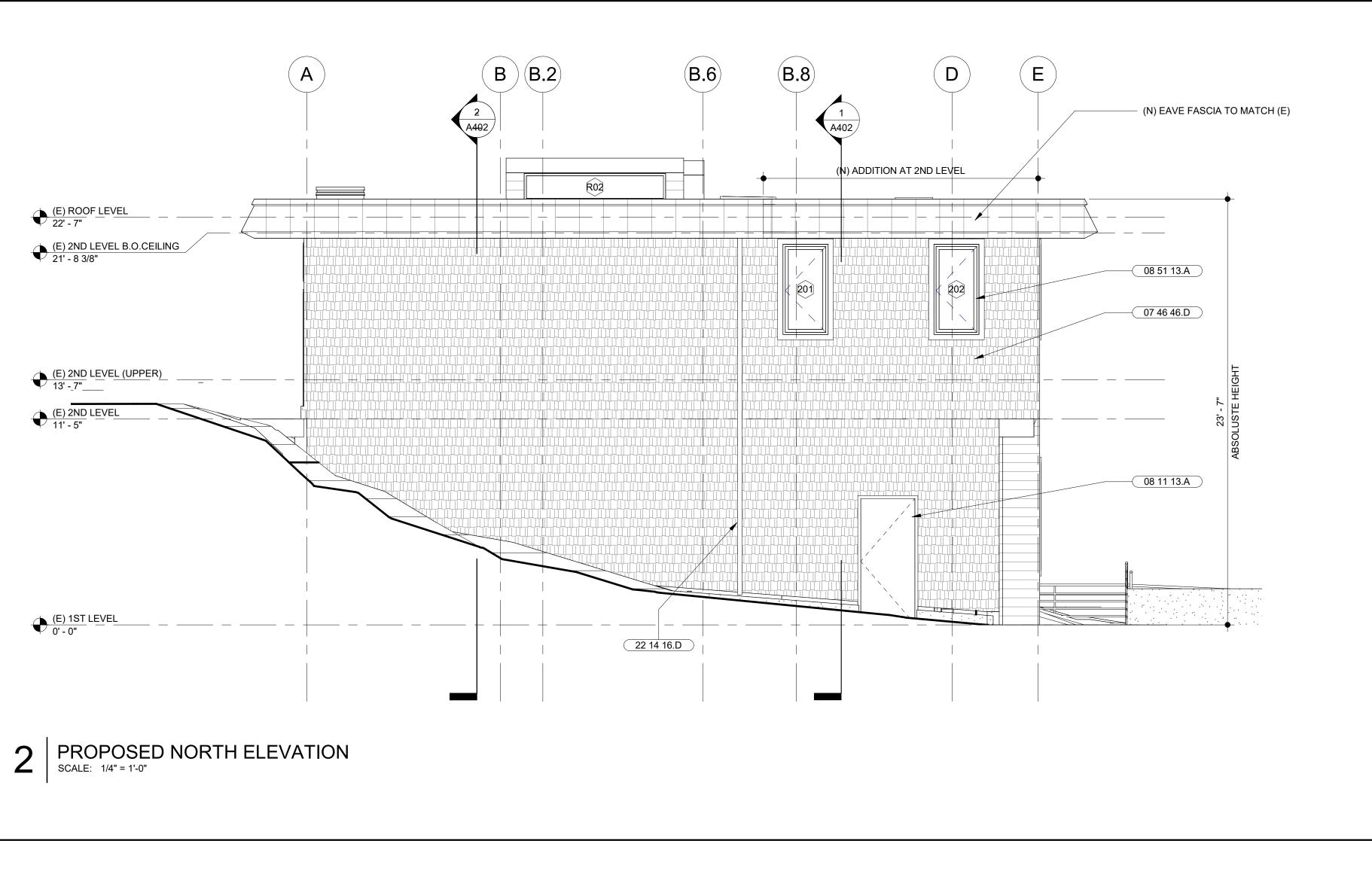
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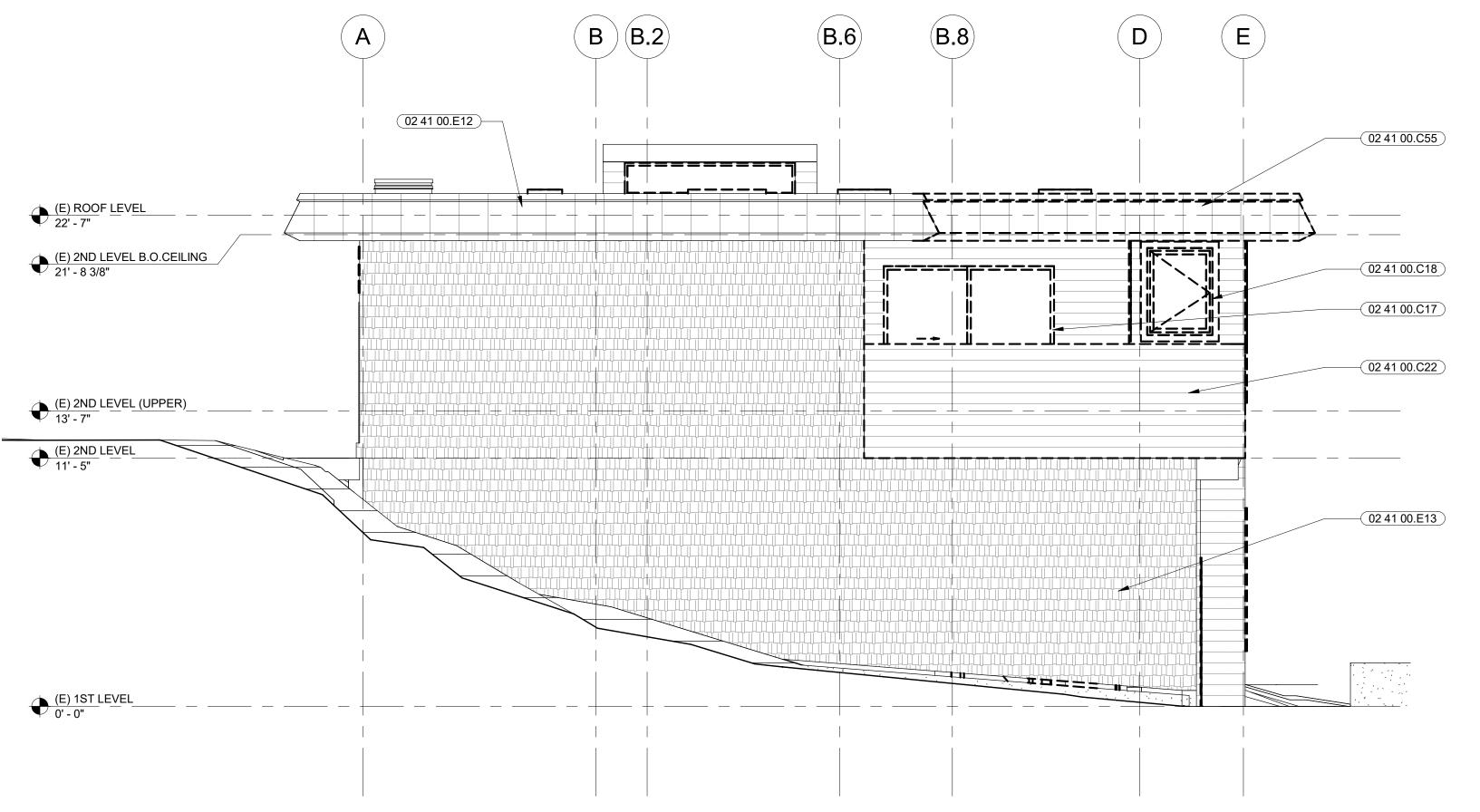
EXTERIOR ELEVATIONS - SOUTH



A302







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

02 41 00.C17 (E) DOOR AND FRAME TO BE REMOVED INDICATED BY

02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED

02 41 00.E13 (E) CEMENT BOARD SHINGLE SIDING TO REMAIN.

07 46 46.D PAINTED FIBER CEMENT BOARD SHINGLE SIDING

PAINT, PATCH, AND REPAIR AS REQUIRED

22 14 16.D (N) RAINWATER LEADER AT EXTERIOR, SEE PLUMBING

DASHED LINES, TYP.

02 41 00.C22 (E) WALLS TO BE REMOVED

DRAWINGS

02 41 00.E12 (E) METAL FASCIA TO REMAIN

BÝ DASHED LINES, TYP.

02 41 00.C55 (E) METAL LOUVER TO BE REMOVED

08 11 13.A HOLLOW METAL DOOR AND FRAME 08 51 13.A ALUMINUM CASEMENT WINDOW

MARJANG ARCHITECTURE



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS 1390 EL CAMINO REAL STE 100

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

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

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

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

MONTEREY, CA 93940

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

351 8TH STREET SAN FRANCISCO, CA 94103

CONTACT: PETER MCDONALD T: (415) 255-9140

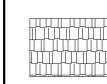
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI

T: (415) 826-9626

LEGEND

KEYNOTES

PAINTED HORIZONTAL CEMENT BOARD SIDING



PAINTED SHINGLE CEMENT BOARD SIDING



METAL ROOF FASCIA



CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION
PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

10:09 am, Aug 05, 2022

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE

By: ROSALINA ACUFF

INSPECTORS AT ALL TIMES.

AREA OF SELECTIVE DEMOLITION

04/01/2022 ISSUED FOR BUILDING PERMIT BLDG PERMIT PLAN CHECK RESPONSE JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT

DESCRIPTION PRELIMINARY SCHEMATIC PRICING SET

PLANNING SUBMITTAL

50% DESIGN DEVELOPMENT

PLANNING SUBMITTAL R1

100% DESIGN DEVELOPMENT

09/27/2021

11/01/2021

11/19/2021

12/17/2021

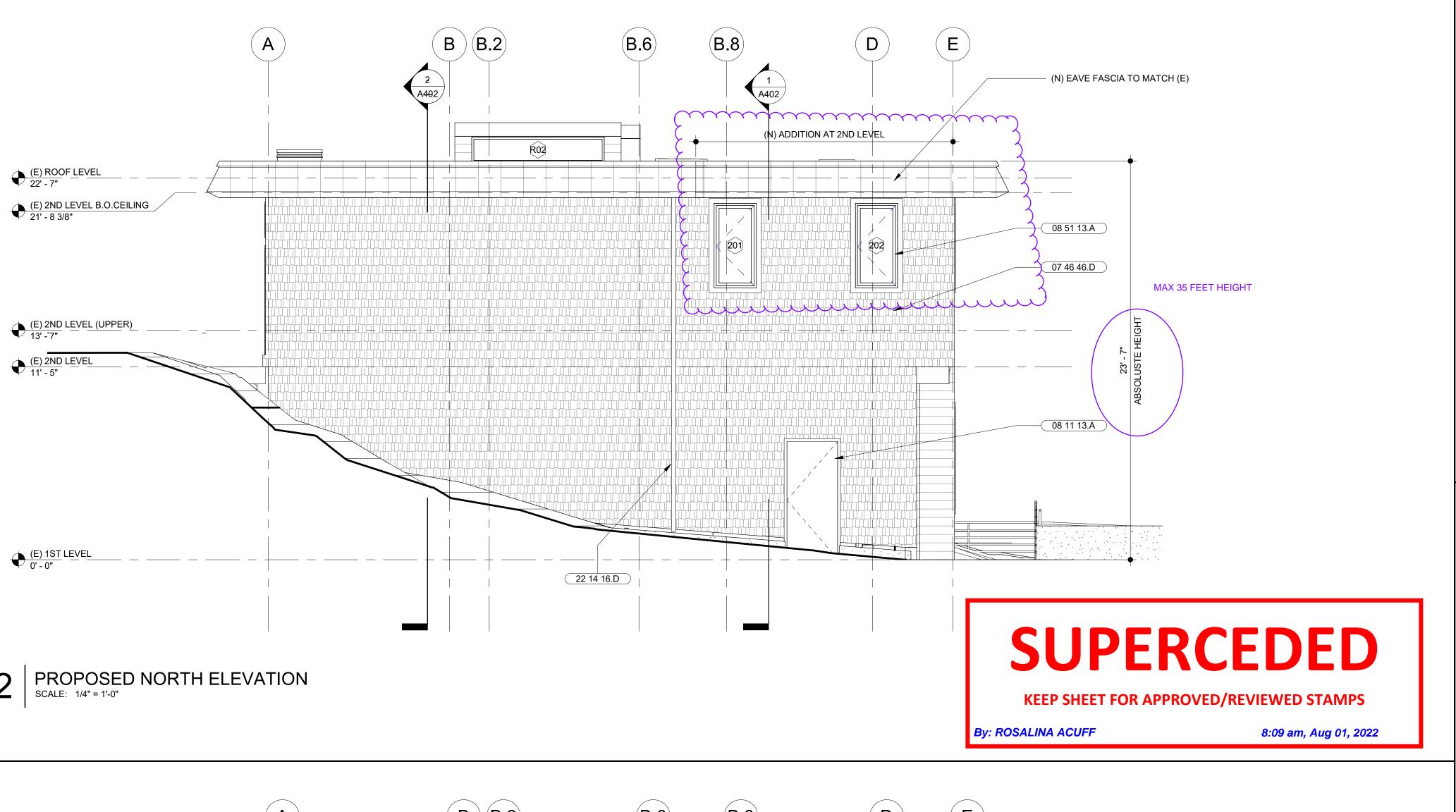
01/06/2022

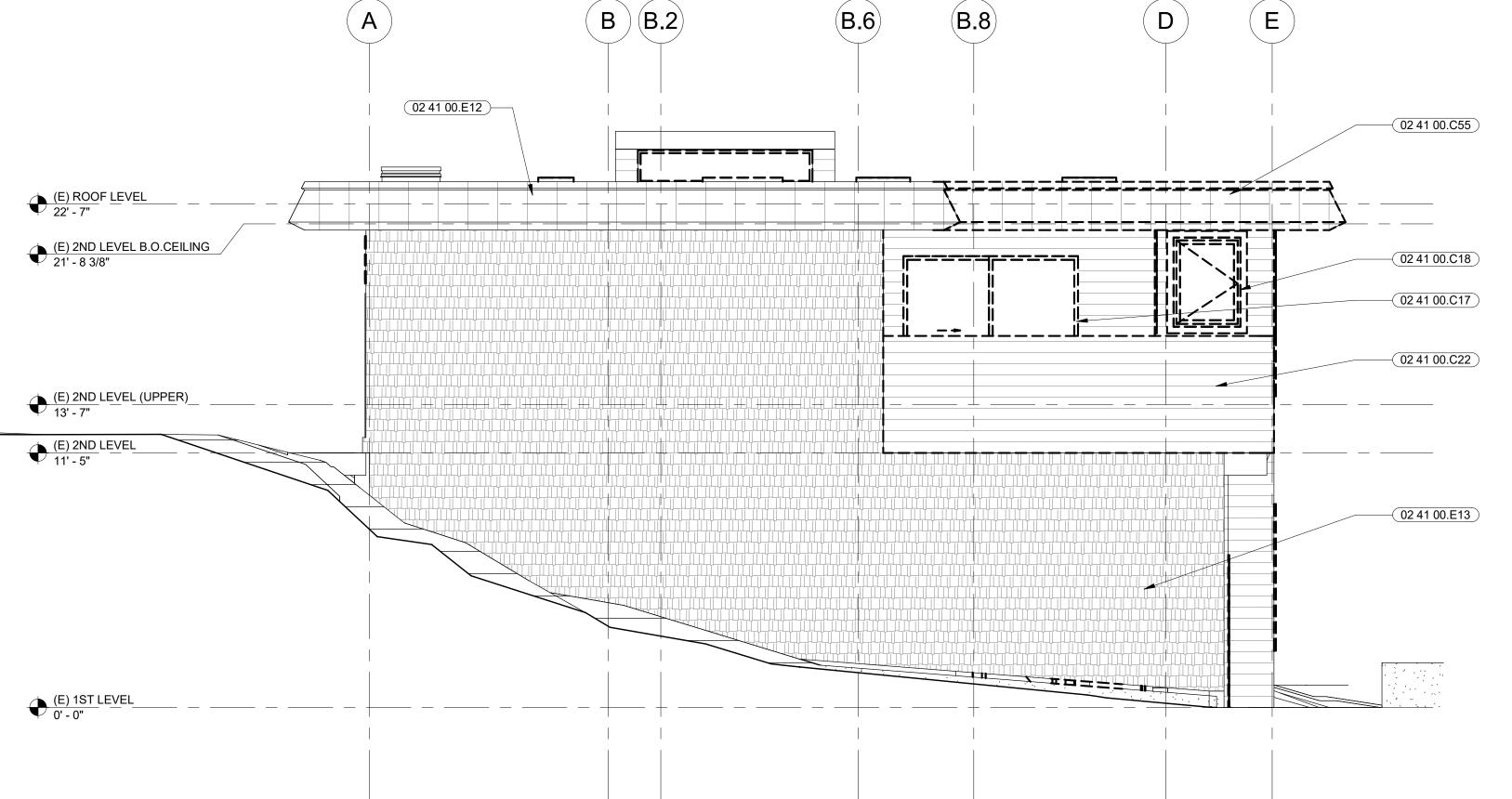
PUBLIC SAFETY BUILDING

DESCRIPTION **EXTERIOR ELEVATIONS - NORTH**

EXISTING (DEMOLITION) NORTH ELEVATION

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





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



KEYNOTES

CONTRA COSTA COUNTY
CONSERVATION AND DEVELOPMENT
COMMUNITY DEVELOPMENT DIVISION
HAS ONLY APPROVED THE FOLLOWING:

INTERIOR REMODEL OF EXISTING FIRE STATION CDVR21-01040

ANY DEVIATIONS, MODIFICATIONS, OR ADDITIONS TO THIS PLAN MUST BE REVIEWED AND APPROVED BY CONTRA COSTA COUNTY COMMUNITY DEVELOPMENT BEFORE MODIFICATION.

PLANNING APPROVED BY:

02 41 00.C17 (E) DOOR AND FRAME TO BE REMOVED INDICATED BY

02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED

02 41 00.E13 (E) CEMENT BOARD SHINGLE SIDING TO REMAIN.

07 46 46.D PAINTED FIBER CEMENT BOARD SHINGLE SIDING

22 14 16.D (N) RAINWATER LEADER AT EXTERIOR, SEE PLUMBING

PAINT, PATCH, AND REPAIR AS REQUIRED

DASHED LINES, TYP.

02 41 00.C22 (E) WALLS TO BE REMOVED

02 41 00.E12 (E) METAL FASCIA TO REMAIN

BÝ DASHED LINES, TYP.

02 41 00.C55 (E) METAL LOUVER TO BE REMOVED

08 11 13.A HOLLOW METAL DOOR AND FRAME

08 51 13.A ALUMINUM CASEMENT WINDOW

Department of Conservation and Development

MARJANG

STAME



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS 1390 EL CAMINO REAL STE 100

SAN CARLOS, CA 94070

CONTACT: MATT FRANTZ

T: (650) 394-8869

BKF ENGINEERS

1646 N. CALIFORNIA BLVD STE 400

WALNUT CREEK, CA 94596 CONTACT: ERIC SWANSON

T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300

OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544 LIST ENGINEERING CO.

T: (831) 373-4390

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

2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE

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

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

T: (415) 826-9626

DESCRIPTION
PRELIMINARY SCHEMATIC PRICING SET

PLANNING SUBMITTAL

50% DESIGN DEVELOPMENT

100% DESIGN DEVELOPMENT

ISSUED FOR BUILDING PERMIT

PLANNING SUBMITTAL R1

09/27/2021

11/01/2021

11/19/2021

12/17/2021

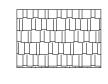
01/06/2022

04/01/2022

<u>LEGEND</u>

PA

PAINTED HORIZONTAL CEMENT BOARD SIDING



PAINTED SHINGLE CEMENT BOARD SIDING



METAL ROOF FASCIA



AREA OF SELECTIVE DEMOLITION

JOB NO.

2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

EXTERIOR ELEVATIONS - NORTH



304

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

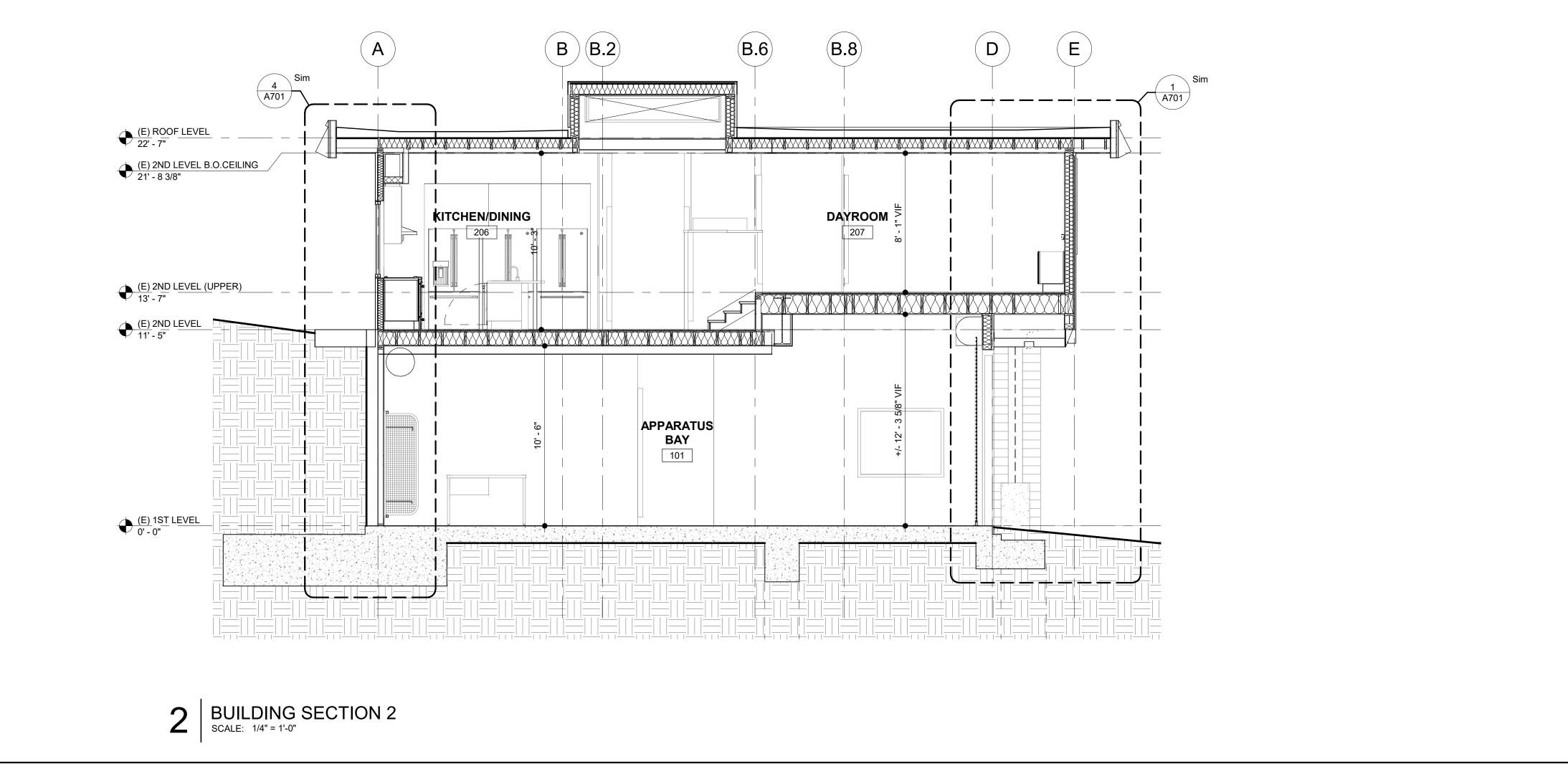
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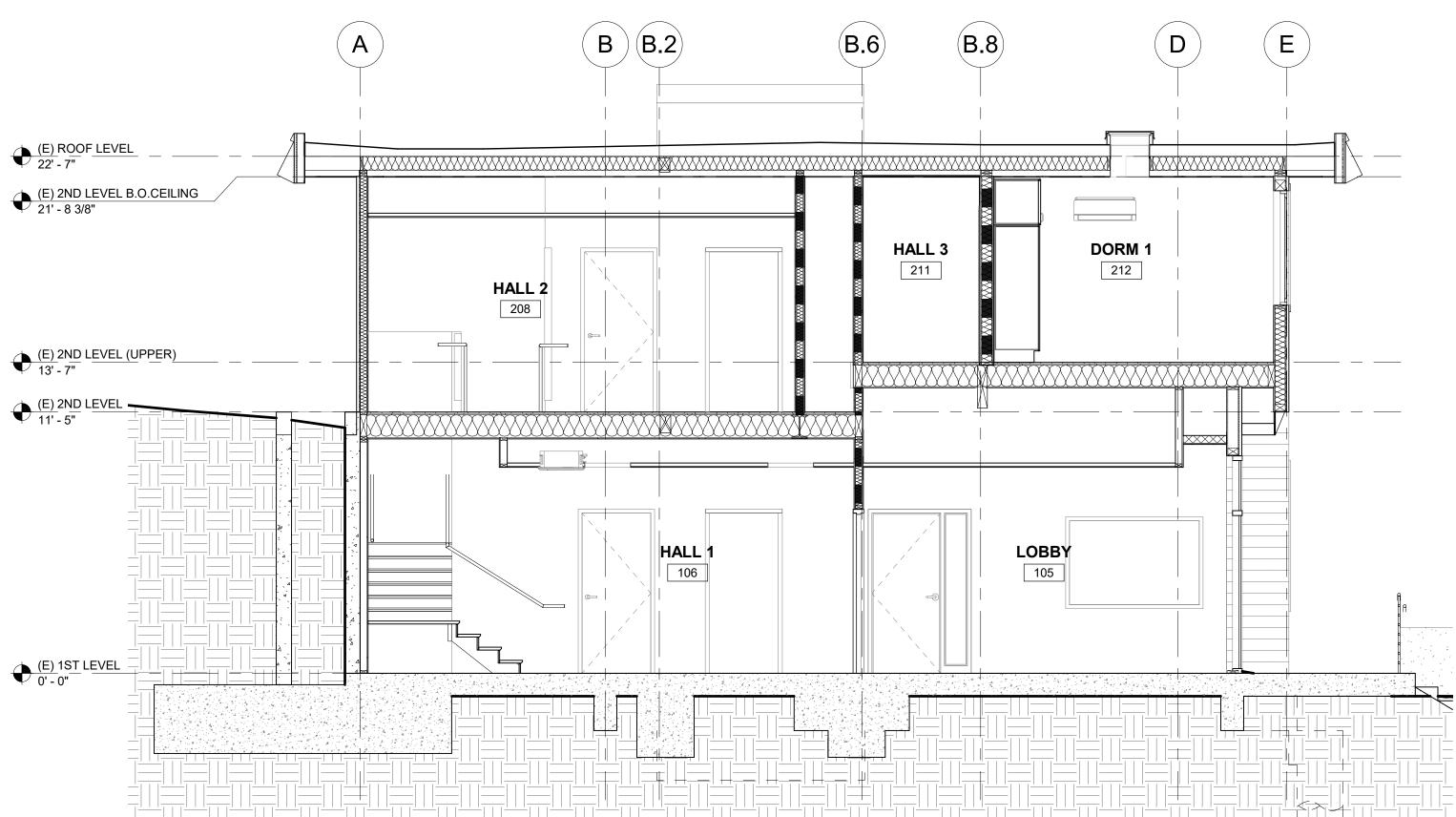
REVIEWED

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL.

By: ROSALINA ACUFF

CONTRA COSTA COUNTY
BUILDING INSPECTION DIVISION
PERMIT NUMBER
BICA22-004407
THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO





CONTRA COSTA COUNTY
BUILDING INSPECTION DIVISION

PERMIT NUMBER
BICA22-004407

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

10:09 am, Aug 05, 2022

REVIEWED

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL.

By: ROSALINA ACUFF

MARJANG

STAME



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM CLIENT:

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

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

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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

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

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

HALEY ALDRICH

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

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

T: (831) 373-4390

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

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

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

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

0.	DESCRIPTION	DATE
	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
	PLANNING SUBMITTAL	11/01/2021
	50% DESIGN DEVELOPMENT	11/19/2021
	100% DESIGN DEVELOPMENT	12/17/2021
	ISSUED FOR BUILDING PERMIT	04/01/2022
	BLDG PERMIT PLAN CHECK RESPONSE	07/22/2022

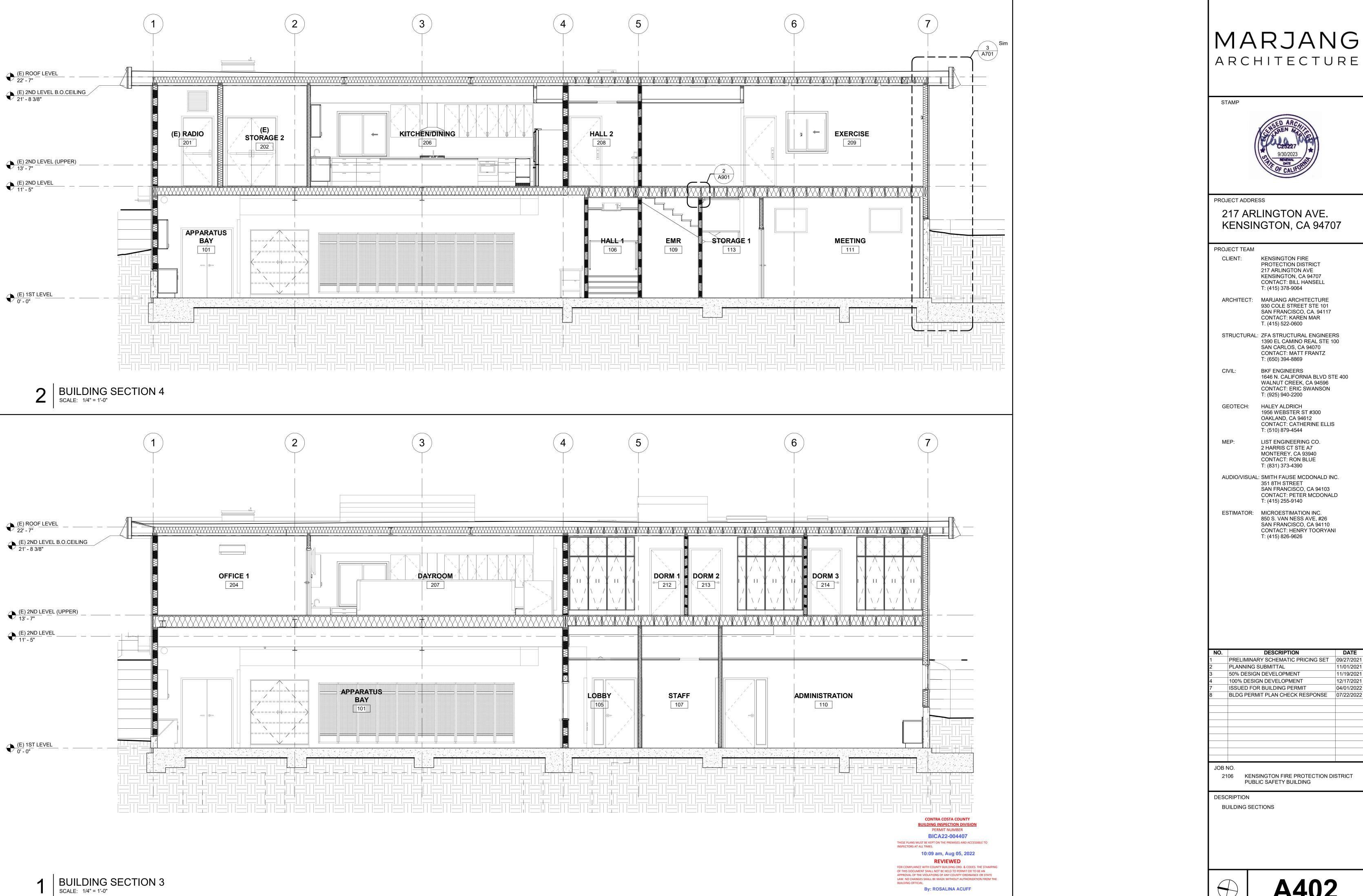
JOB NO.

2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

BUILDING SECTIONS

 \bigoplus



ARCHITECTURE

09/27/2021 11/01/2021 11/19/2021 12/17/2021 04/01/2022 07/22/2022



PAINTED

TYPE D

DOUBLE FLUSH

5/A903

6/A903

LOUVER WHERE

DOOR SCHEDULE

KICK PLATE PER

TYPE E

DOUBLE FLUSH W/ VISION LITE

NOTED, SEE

WOOD

0' - 1 3/4"

VISION LITE, TEMPERED

LOUVER WHERE NOTED,

KICK PLATE PER SPECS.

SEE DOOR SCHEDULE

SAFETY GLAZING. SEE

SCHEUDULE FOR

RATING

SINGLE FLUSH W/ VISION LITE

CLEAR COAT

НМ

VISION SIDELITE.

GLAZING. SEE

RATING

KICK PLATE

PER SPECS.

TYPE C

SINGLE FLUSH W/ VISION SIDELITE

SCHEDULE FOR

TEMPERED SAFETY

DOOR TYPICAL NOTES

RAIL AND STILE WIDTH

PER MANUF.

GLAZING

TYPE F

STOREFRONT RAIL & SITLE SINGLE FULL LITE

FULL VISION LITE,

TEMPERED SAFETY

KICK PLATE PER SPECS.

REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF

VISION LITE, TEMPERED

SAFETY GLAZING. SEE

SCHEDULE FOR RATING

KICK PLATE PER SPECS.

- 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. UNDERCUT DOORS ARE IDENTIFIED IN DOOR SCHEDULE.

MARJANG ARCHITECTURE

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CLIENT:

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

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

T. (415) 522-0600

BKF ENGINEERS

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

CONTACT: MATT FRANTZ T: (650) 394-8869

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

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

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CONTACT: RON BLUE

T: (415) 255-9140 ESTIMATOR: MICROESTIMATION INC.

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

DESCRIPTION PRELIMINARY SCHEMATIC PRICING SET

BLDG PERMIT PLAN CHECK RESPONSE

50% DESIGN DEVELOPMENT

100% DESIGN DEVELOPMENT ISSUED FOR BUILDING PERMIT 09/27/2021

11/19/2021 12/17/2021

04/01/2022

07/22/2022

850 S. VAN NESS AVE, #26

		VALENCE, CONFIRM CONTROLLER LOCATION. PROVIDE MANUAL CHAIN
		TRACK MOUNTED AT BACK OF WALL OPENING
		SLATS PER SPEC
T/D= 0		
TYPE G OVERHEAD COILING ROLL-UP DOOI	R	

OVERHEAD COILING

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:09 am, Aug 05, 2022

JOB NO. 2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING DESCRIPTION DOOR SCHEDULE

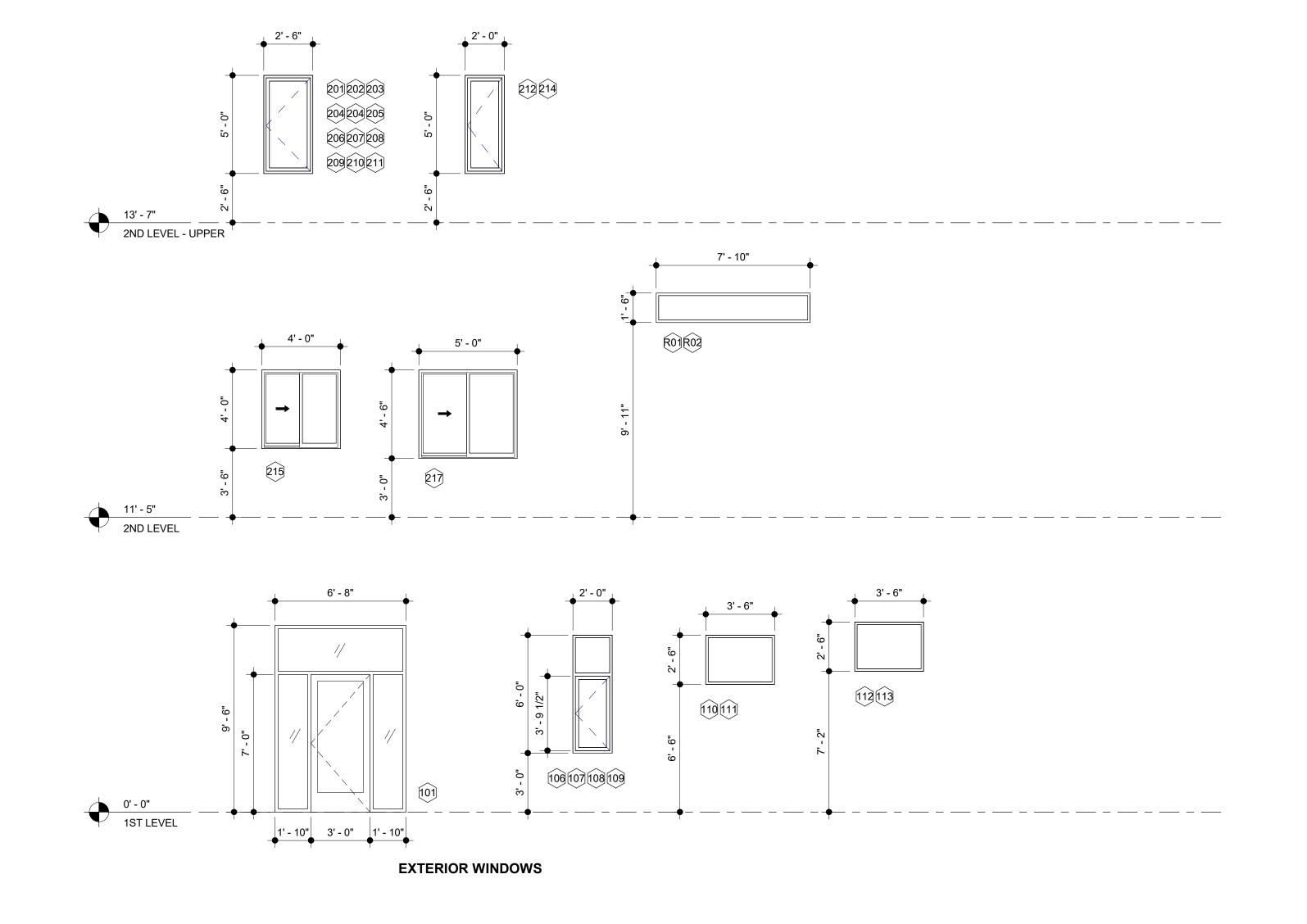
New Construction

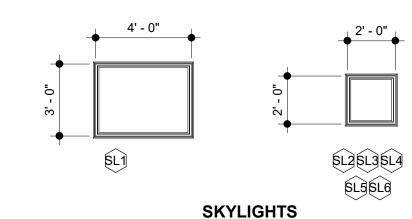
TYPE A

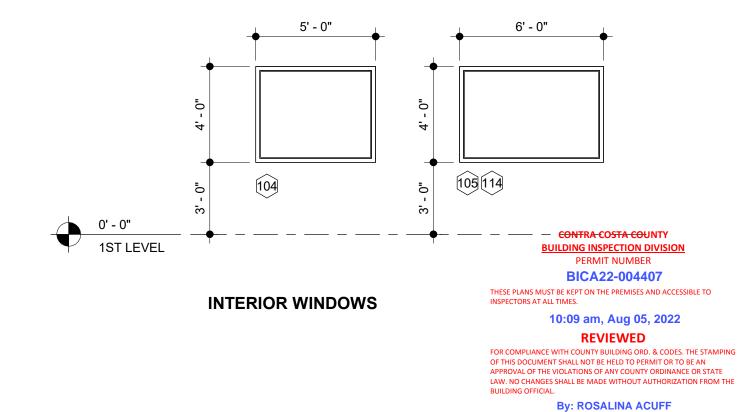
SINGLE FLUSH

LOUVER WHERE NOTED,

SEE DOOR SCHEDULE







WINDOW TYPICAL NOTES

1. ALL GLASS TO BE LOW-E, INSULATED, TEMPERED SAFETY GLAZING W/ BUG VISIBLE. 2. ALL WINDOWS HAVE MANUFACTURER'S U-FACTOR LISTING (T24 CALCULATION SHOW ENERGY COMPLIANCE OVER MINIMUM 0.40 REQUIRED).

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

MARJANG ARCHITECTURE

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

T: (415) 378-9064

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

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

T: (650) 394-8869

T: (925) 940-2200

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

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

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

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

MONTEREY, CA 93940 CONTACT: RON BLUE

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

T: (415) 255-9140 ESTIMATOR: MICROESTIMATION INC.

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

NO.	DESCRIPTION	DATE		
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021		
3	50% DESIGN DEVELOPMENT	11/19/2021		
4	100% DESIGN DEVELOPMENT	12/17/2021		
7	ISSUED FOR BUILDING PERMIT	04/01/2022		
8	BLDG PERMIT PLAN CHECK RESPONSE	07/22/2022		

2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

WINDOW SCHEDULE

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

INTERIOR FINISH MATERIALS:

FLOOR

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

 NOSE: SQUARE

 SIZE: VIF

 COLOR: TBD
- CP-1 CARPET TILE
 SPECIFICATION: 09 68 00
 MFR: SHAW
 TYPE: PATCRAFT ARTEFACT
 SIZE: PLANK
 COLOR: TBD
 INSTALLATION: ASHLAR
- CP-2 CARPET TILE
 SPECIFICATION: 09 68 00
 MFR: TBD
 SIZE:
 COLOR:
 INSTALLATION:

INSTALLATION:

TL-3 PORCELAIN TILE FLOORING SPECIFICATION: 09 30 00 MFR: TBD SIZE: COLOR:

WALL

- GB-1 GYPSUM BOARD SPECIFICATION: 09 29 00 FINISH: LEVEL 5
- GB-2 GYPSUM BOARD MOISTURE RESISTANT SPECIFICATION: 09 29 00 FINISH: LEVEL 5
- P-1 INTERIOR PAINT LOW VOC SPECIFICATION: 09 91 23 MFR: FINISH: EGG SHELL COLOR: TBD
- P-2 INTERIOR PAINT LOW VOC SPECIFICATION: 09 91 23 MFR: FINISH: SEMI-GLOSS COLOR: TBD
- P-3 INTERIOR PAINT METAL COATING LOW VOC STANDARD PERFORMANCE ON SHOP PRIMED METAL SPECIFICATION: 09 91 23 MFR: FINISH: SEMI-GLOSS (METAL COATING) COLOR: TBD
- P-4 INTERIOR PAINT METAL COATING LOW VOC PREMIUM PERFORMANCE ON SHOP PRIMED EXPOSED STRUCTURAL STEEL SPECIFICATION: 09 91 23 MFR:
 FINISH: SEMI-GLOSS (METAL COATING)
- TL-1 PORCELAIN WALL TILE:
 SPECIFICATION: 09 30 00.A
 MFR: TBD
 SERIES:
 SIZE:
 TRIM: BULLNOSE & OTHER WHERE REQUIRED

COLOR: TBD

COLOR: TBD

- TL-2 PORCELAIN WALL TILE:
 SPECIFICATION: 09 30 00.A
 MFR:
 SERIES:
 SIZE:
 TRIM: BULLNOSE & OTHERS WHERE REQUIRED
 COLOR: TBD
- PH-1 THICK PHENOLIC CORE LAMINATE PANELS SPECIFICATION: 09 77 10.A MFR: NEVAMAR THICKLAM TYPE: CLASS A FINISH: HPL SILVERLINE HAUTE PANEL SIZE: 4'-0" X 8'-0" X .18"
- FRL-1 FIBER REINFORCED LAMINATE PANELS
 SPECIFICATION: 09 77 10.B
 MFR: NEVAMAR FRL
 TYPE: CLASS A
 FINISH: TBD
 PANEL SIZE: 3'-0" X 8'-0" X.125" THK

CEILING

RB-1 RESILIENT BASE

COLOR:

HEIGHT:

STYLE:

COLOR:

HEIGHT:

CB-1 CONCRETE CURB

SEALED

MFR: TARKETT

STYLE: WALL BASE

RB-2 RESILIENT BASE - COVED

MFR: TARKETT

SPECIFICATION: 09 65 00.C

SPECIFICATION" 09 65 00.C

SPECIFICATION: 03 00 00.B

SEE SPECIFICATION

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

MISC.

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

CASEWORK

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

 HPL-2 CABINET FACE HIGH PRESSURE LAMINATE SPECIFICATION: 12 36 61

 MFR: WILSONART

 TYPE: TRACELESS
 COLOR: TBD
- HPL-3 CABINET FACE HIGH PRESSURE LAMINATE SPECIFICATION: 12 36 61 MFR: WILSONART TYPE: TRACELESS COLOR: TBD EDGE BANDING: MATCH

EDGE BANDING: MATCH

- HPL-4 CABINET FACE HIGH PRESSURE LAMINATE SPECIFICATION: 12 36 61
 MFR: WILSONART
 TYPE: TRACELESS
 COLOR: TBD
 EDGE BANDING: MATCH
- ML-1 MELAMINE INTERIOR CABINET FACE
 MFR: TBD
 FINISH: COMMERCIAL GRADE MELAMINE (NON VOC)
 COLOR: TBD

MARJANG

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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

IL: 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

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

T: (510) 879-4544

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

T: (831) 373-4390

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

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

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4 100% DESIGN DEVELOPMENT 12/17/2021
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8 BLDG PERMIT PLAN CHECK RESPONSE 07/22/2022

JOB NO.

2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

FINISH SCHEDULE

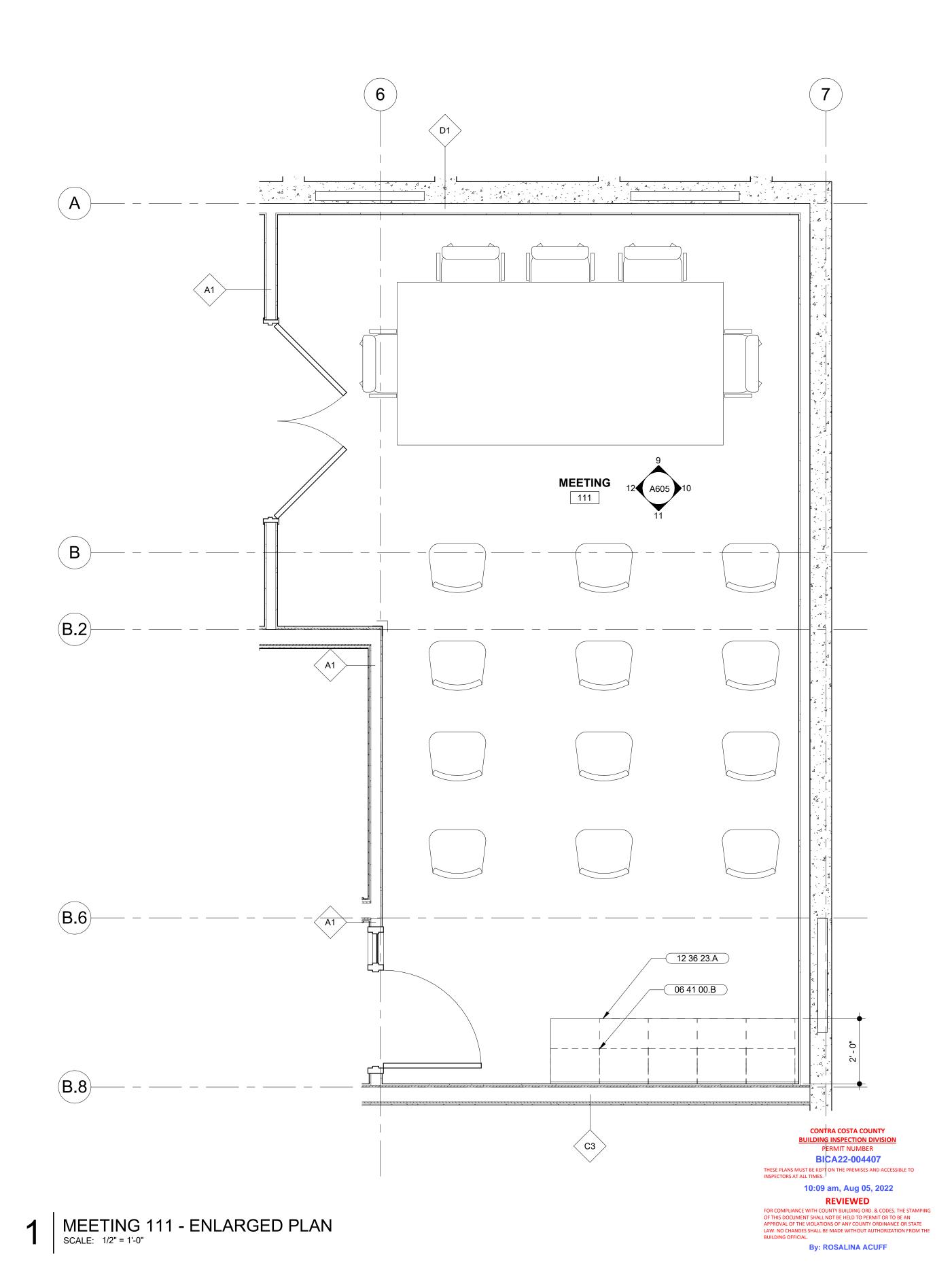


503

CONTRA COSTA COUNTY
BUILDING INSPECTION DIVISION
PERMIT NUMBER
BICA22-004407
THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

10:09 am, Aug 05, 2022
REVIEWED
FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

By: ROSALINA ACUFF



1. ALL DIMENSIONS ARE TO FACE OF FINISH FOR REQUIRED CLEARANCES, U.O.N.

2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION. 3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING,

WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE 4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAIL

6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES,

7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503 8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.

AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.

9. FFE SHOWN FOR REFERENCE, OFCI

KEYNOTES

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

MARJANG ARCHITECTURE

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS 1390 EL CAMINO REAL STE 100

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

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

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

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MONTEREY, CA 93940 CONTACT: RON BLUE

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

ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26

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

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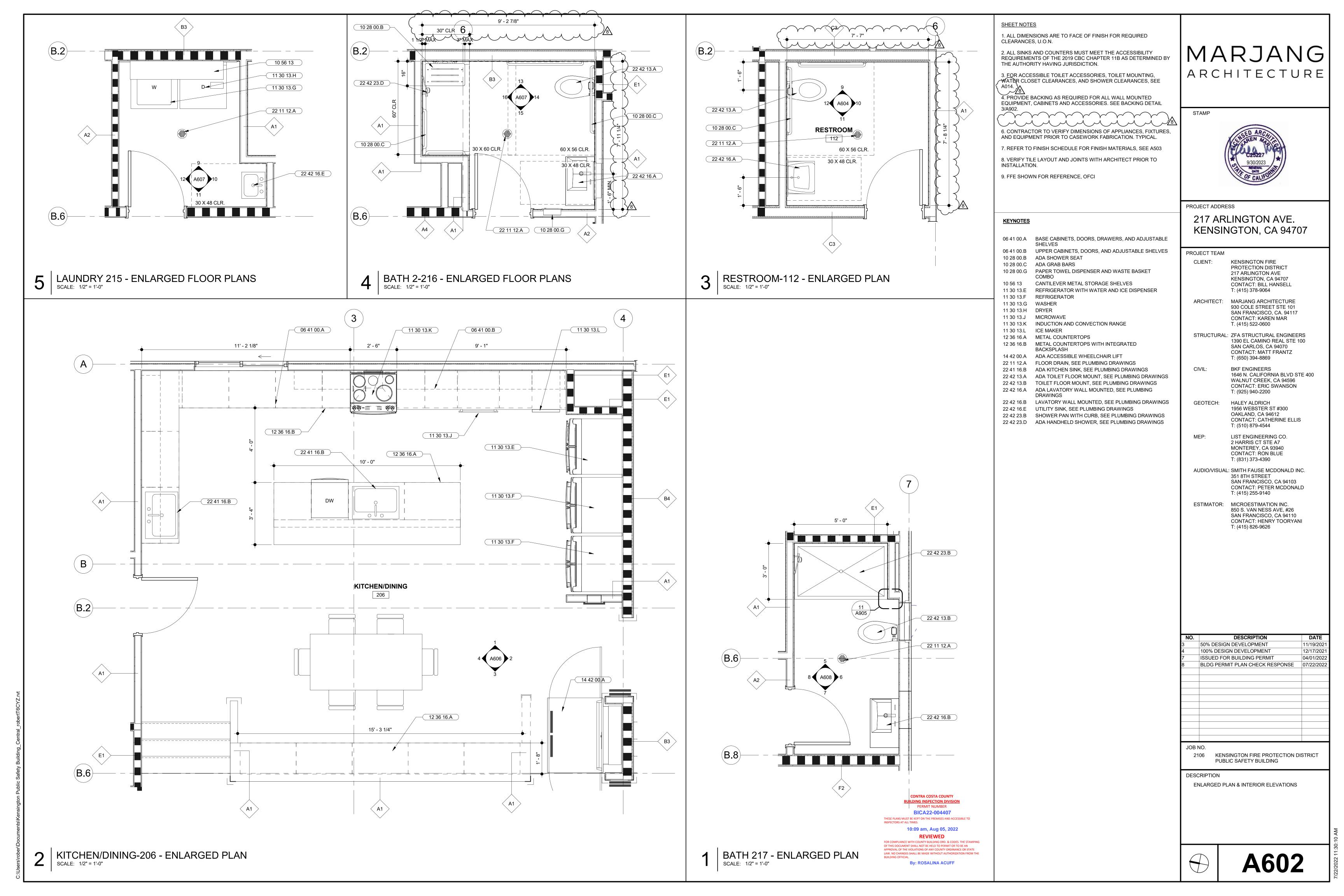
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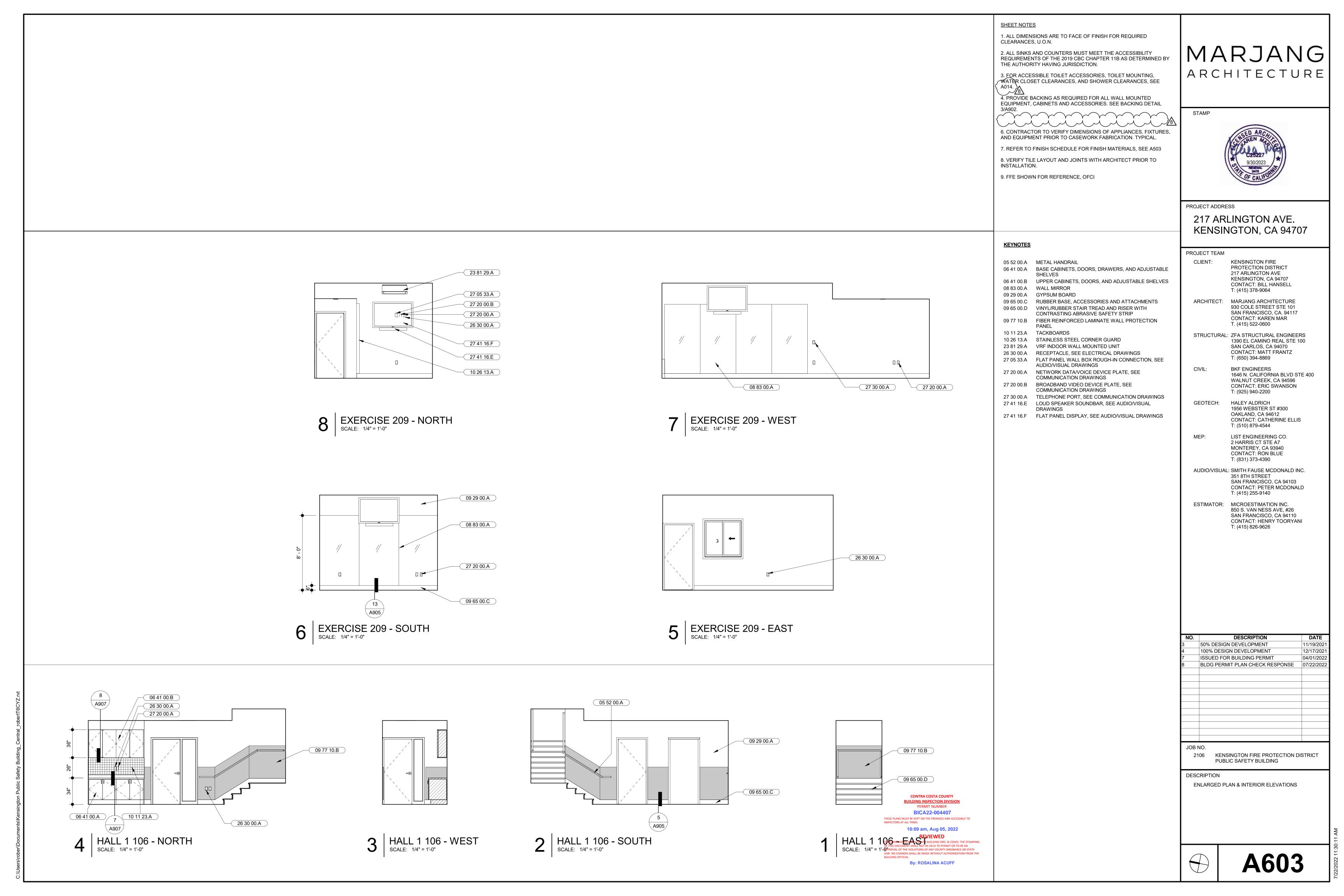
2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

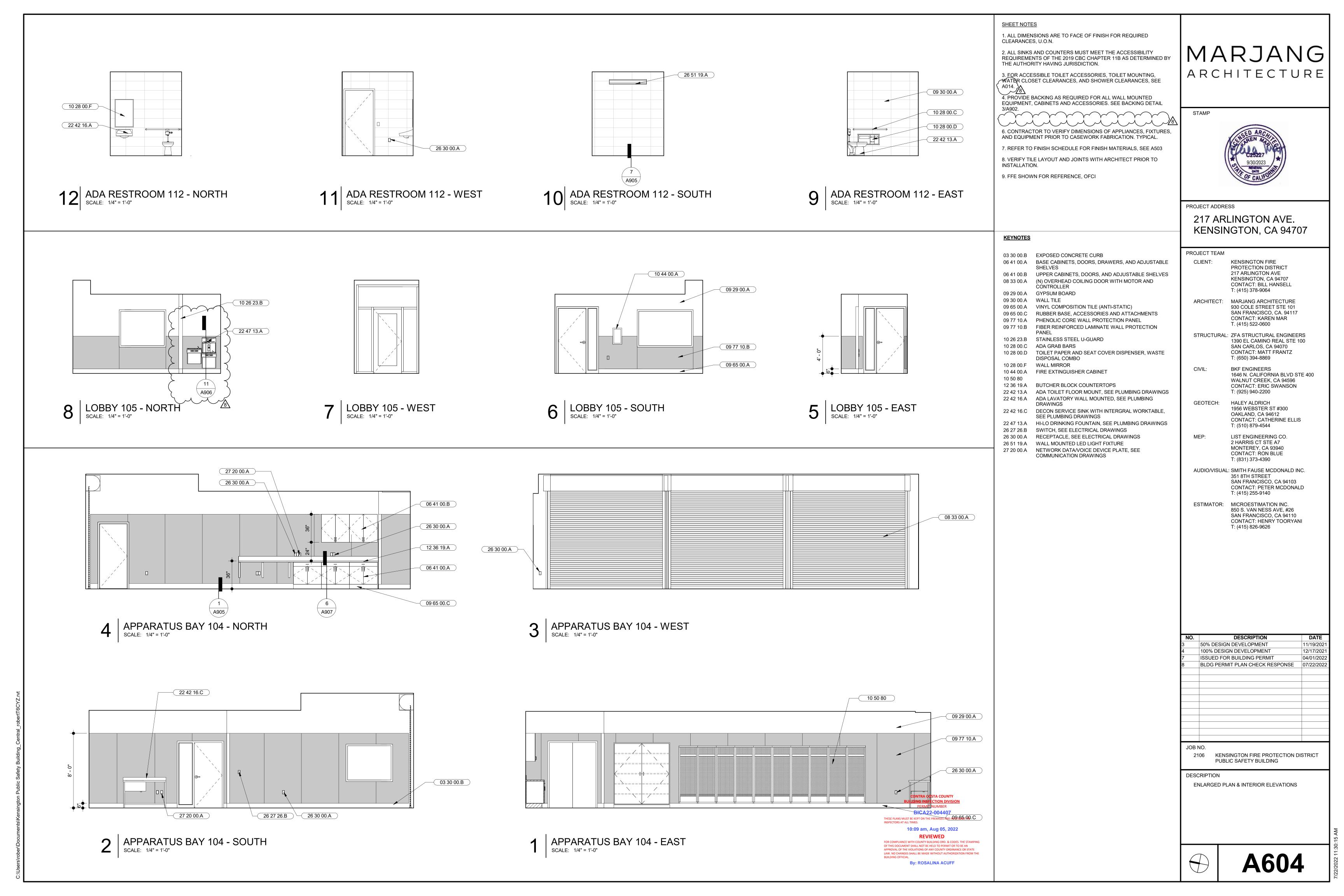
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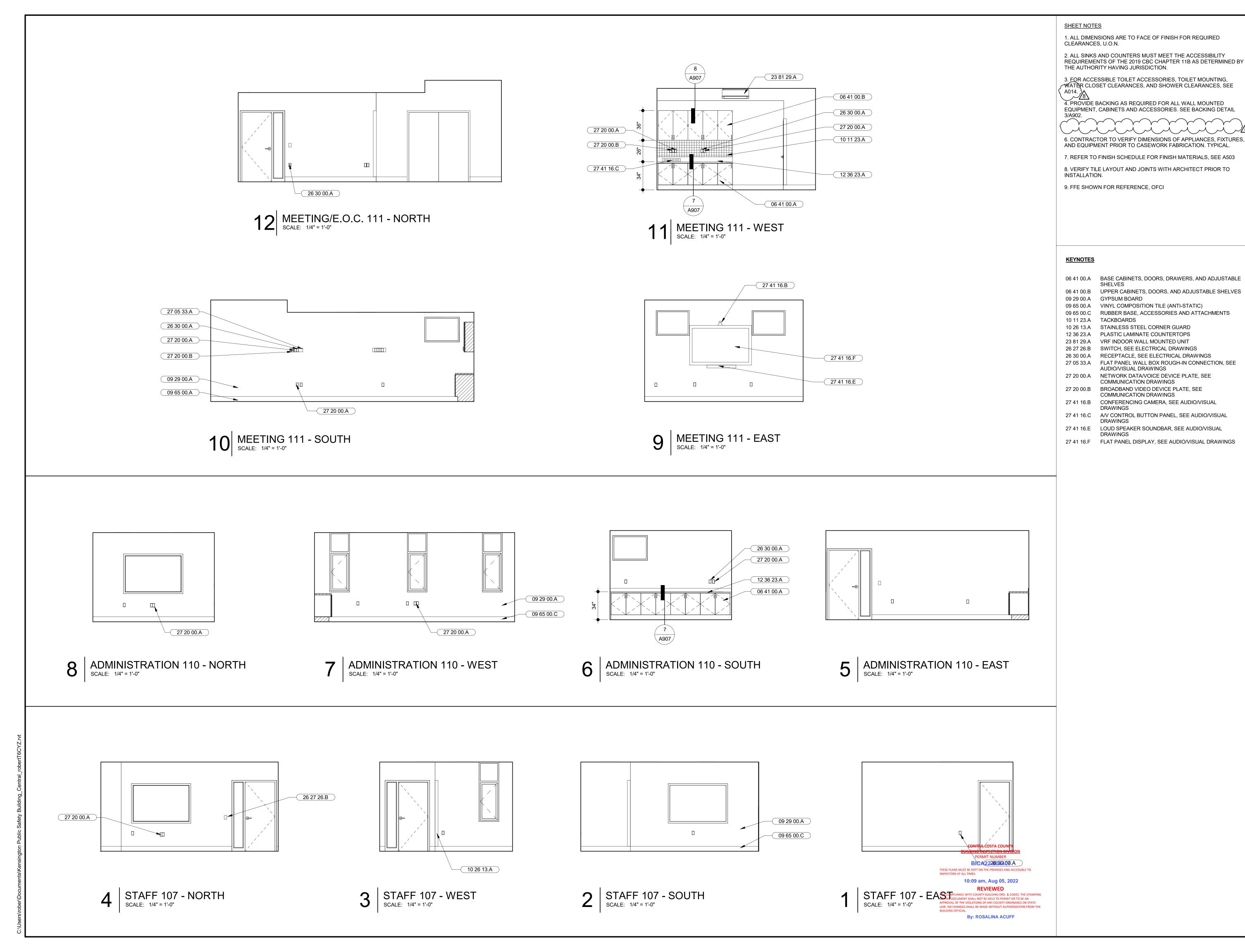
ENLARGED PLAN & INTERIOR ELEVATIONS











MARJANG

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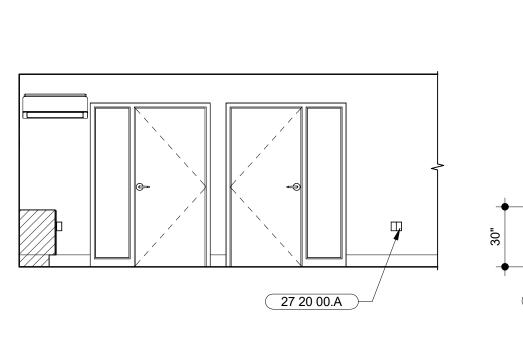
2106 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

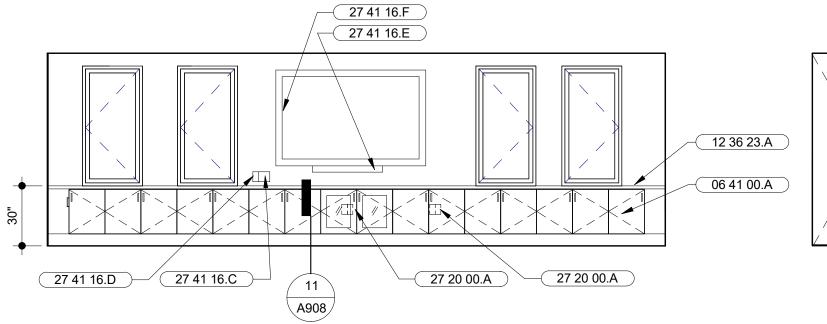
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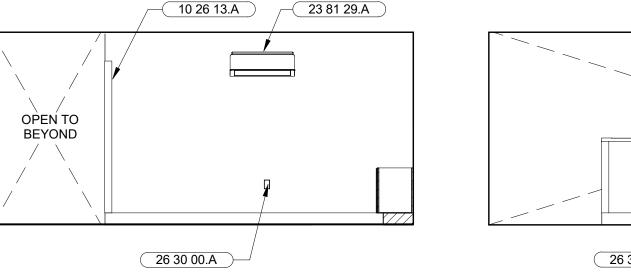
ENLARGED PLAN & INTERIOR ELEVATIONS

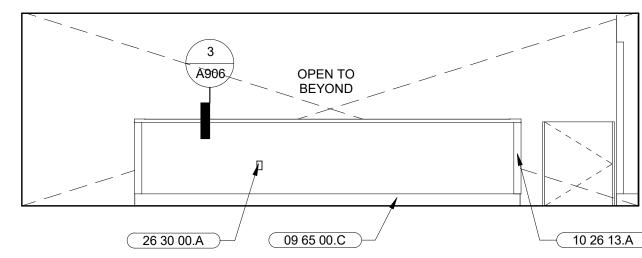


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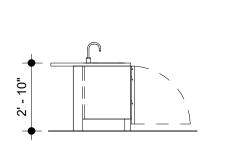
12 DAYROOM 207 - NORTH SCALE: 1/4" = 1'-0"

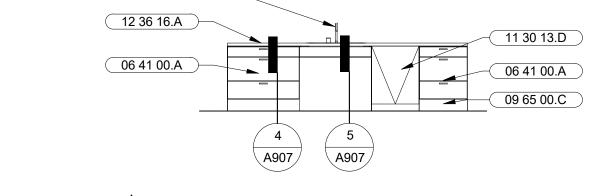
DAYROOM 207 - WEST SCALE: 1/4" = 1'-0"

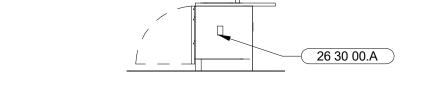
22 41 16.B

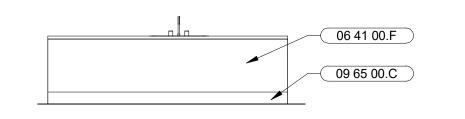
DAYROOM 207 - SOUTH SCALE: 1/4" = 1'-0"

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









LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

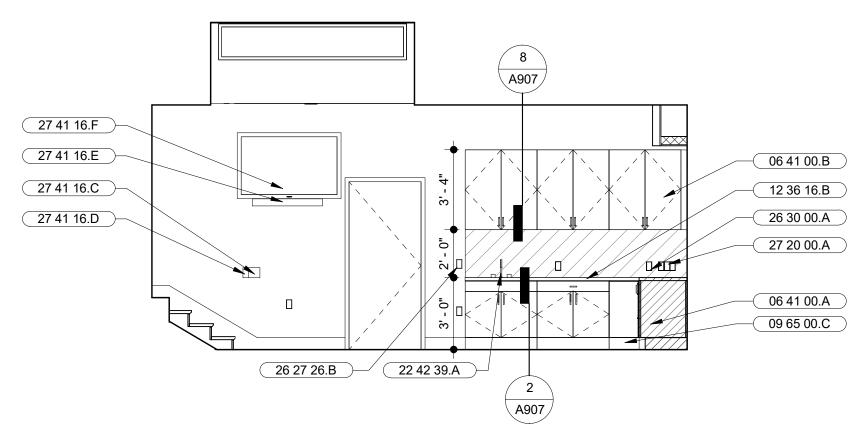
By: ROSALINA ACUFF

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

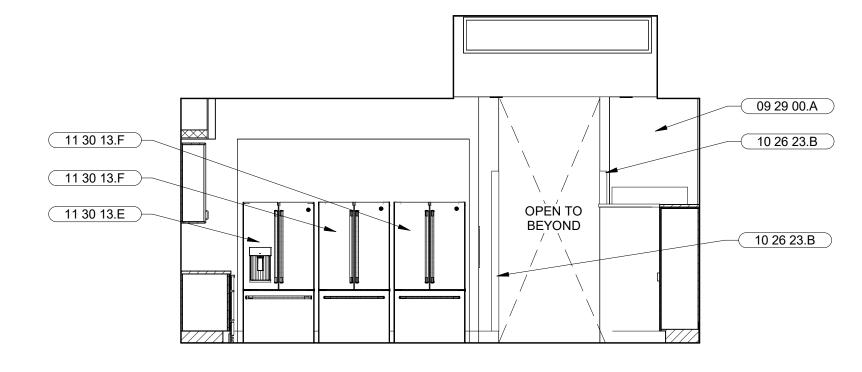
KITCHEN/DINING 206 - ISLAND WEST SCALE: 1/4" = 1'-0"

KITCHEN/DINING 206 - ISLAND SOUTH

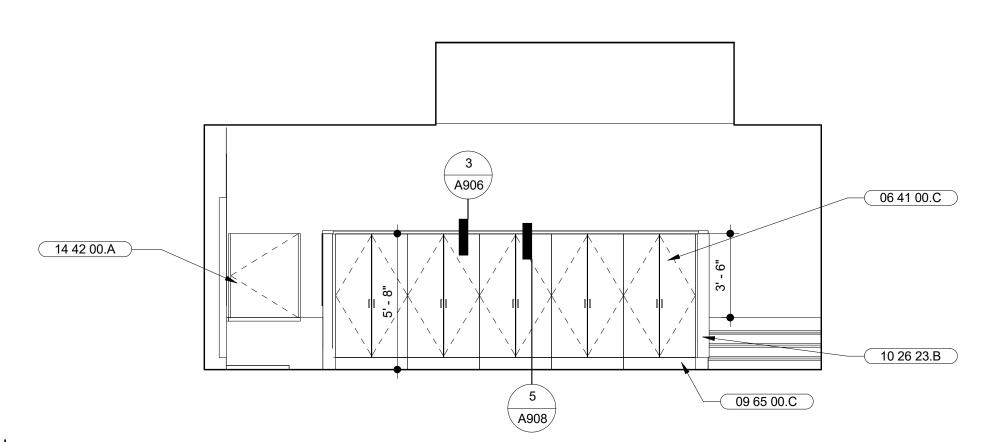
SCALE: 1/4" = 1'-0"



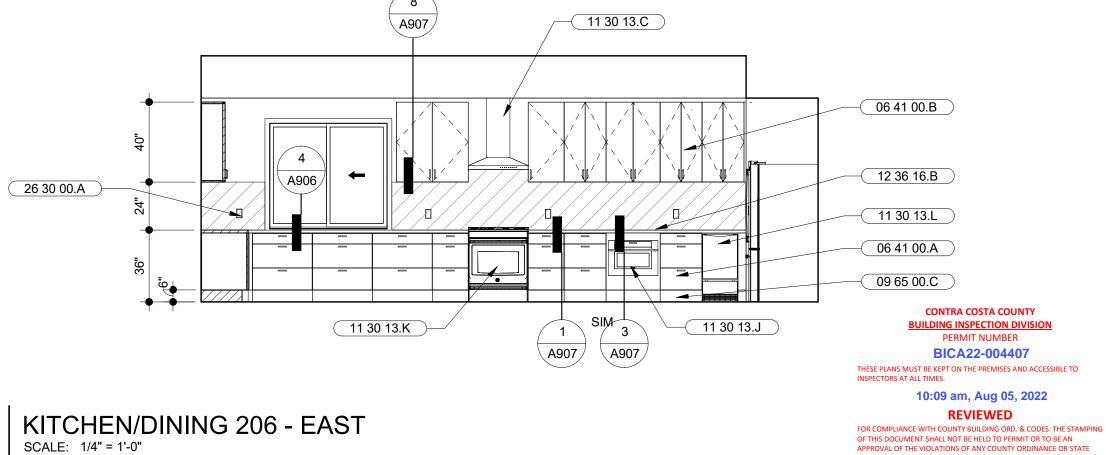
KITCHEN/DINING 206 - NORTH SCALE: 1/4" = 1'-0"



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



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



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

SHEET NOTES

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3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A014.

4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAIL

6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL. 7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503

8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO

9. FFE SHOWN FOR REFERENCE, OFCI

KEYNOTES

INSTALLATION.

06 41 00.A BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES

06 41 00.B UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES

06 41 00.C FULL HEIGHT CABINETS, LOCKABLE DOORS AND ADJUSTABLE SHELVES

06 41 00.F MATCHING CASEWORK WALL PANEL AT ISLAND PLUMBING WALL

09 29 00.A GYPSUM BOARD 09 65 00.C RUBBER BASE, ACCESSORIES AND ATTACHMENTS

10 26 13.A STAINLESS STEEL CORNER GUARD

10 26 23.B STAINLESS STEEL U-GUARD 11 30 13.C EXHAUST HOOD OVER RANGE

11 30 13.D DISHWASHER

11 30 13.E REFRIGERATOR WITH WATER AND ICE DISPENSER 11 30 13.F REFRIGERATOR

11 30 13.J MICROWAVE

11 30 13.K INDUCTION AND CONVECTION RANGE

11 30 13.L ICE MAKER 12 36 16.A METAL COUNTERTOPS

12 36 16.B METAL COUNTERTOPS WITH INTEGRATED

BACKSPLASH 12 36 23.A PLASTIC LAMINATE COUNTERTOPS

14 42 00.A ADA ACCESSIBLE WHEELCHAIR LIFT 22 41 16.B ADA KITCHEN SINK, SEE PLUMBING DRAWINGS

22 42 39.A KITCHEN FAUCET, SEE PLUMBING DRAWINGS

23 81 29.A VRF INDOOR WALL MOUNTED UNIT 26 27 26.B SWITCH, SEE ELECTRICAL DRAWINGS

26 30 00.A RECEPTACLE, SEE ELECTRICAL DRAWINGS

27 20 00.A NETWORK DATA/VOICE DEVICE PLATE, SEE COMMUNICATION DRAWINGS

27 41 16.C A/V CONTROL BUTTON PANEL, SEE AUDIO/VISUAL

27 41 16.D WALL PLATE PRESENTER INPUT, SEE AUDIO/VISUAL **DRAWINGS**

27 41 16.E LOUD SPEAKER SOUNDBAR, SEE AUDIO/VISUAL

DRAWINGS 27 41 16.F FLAT PANEL DISPLAY, SEE AUDIO/VISUAL DRAWINGS

MARJANG ARCHITECTURE

STAMP



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T: (415) 826-9626

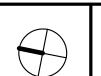
NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021
7	ISSUED FOR BUILDING PERMIT	04/01/2022
8	BLDG PERMIT PLAN CHECK RESPONSE	07/22/2022

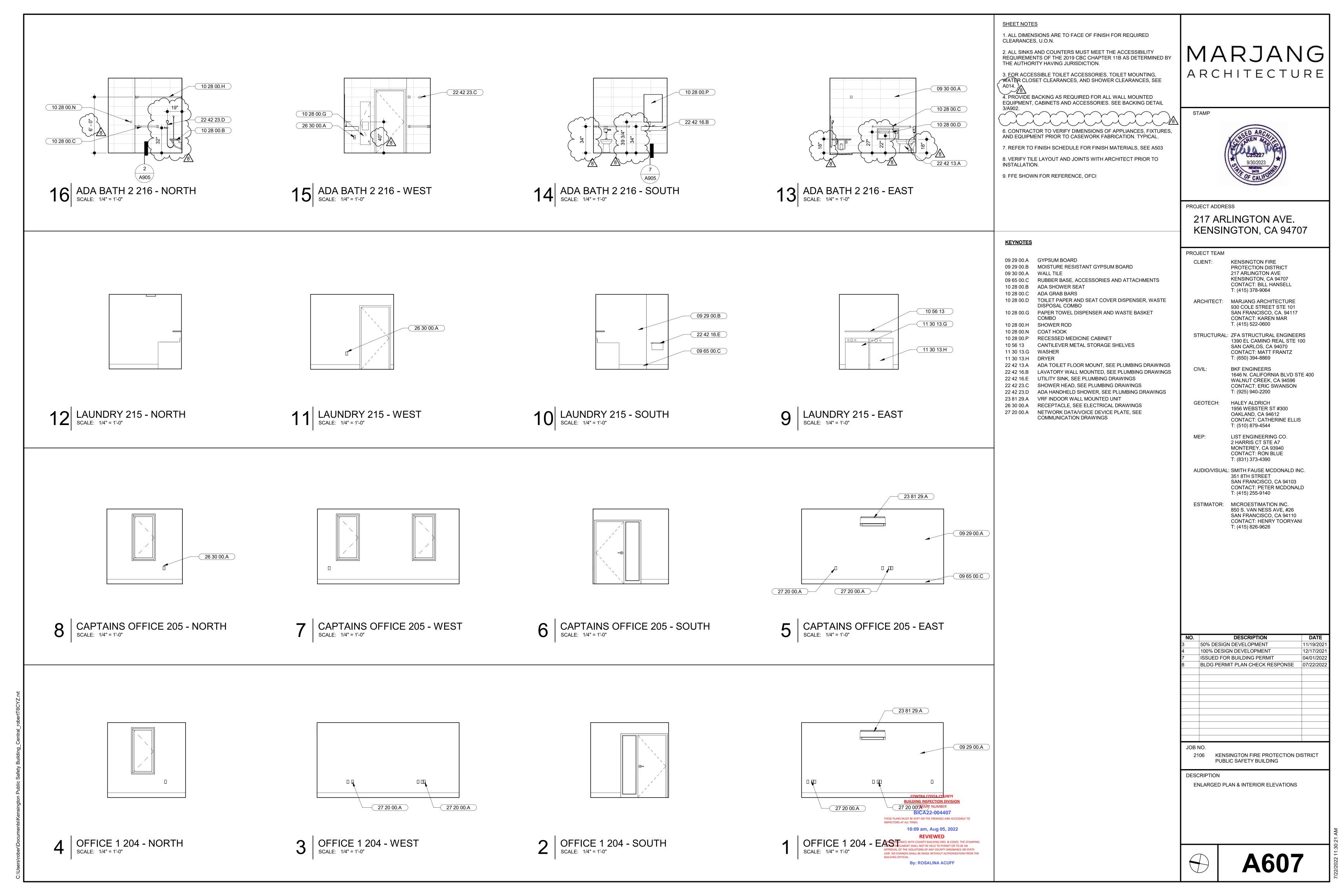
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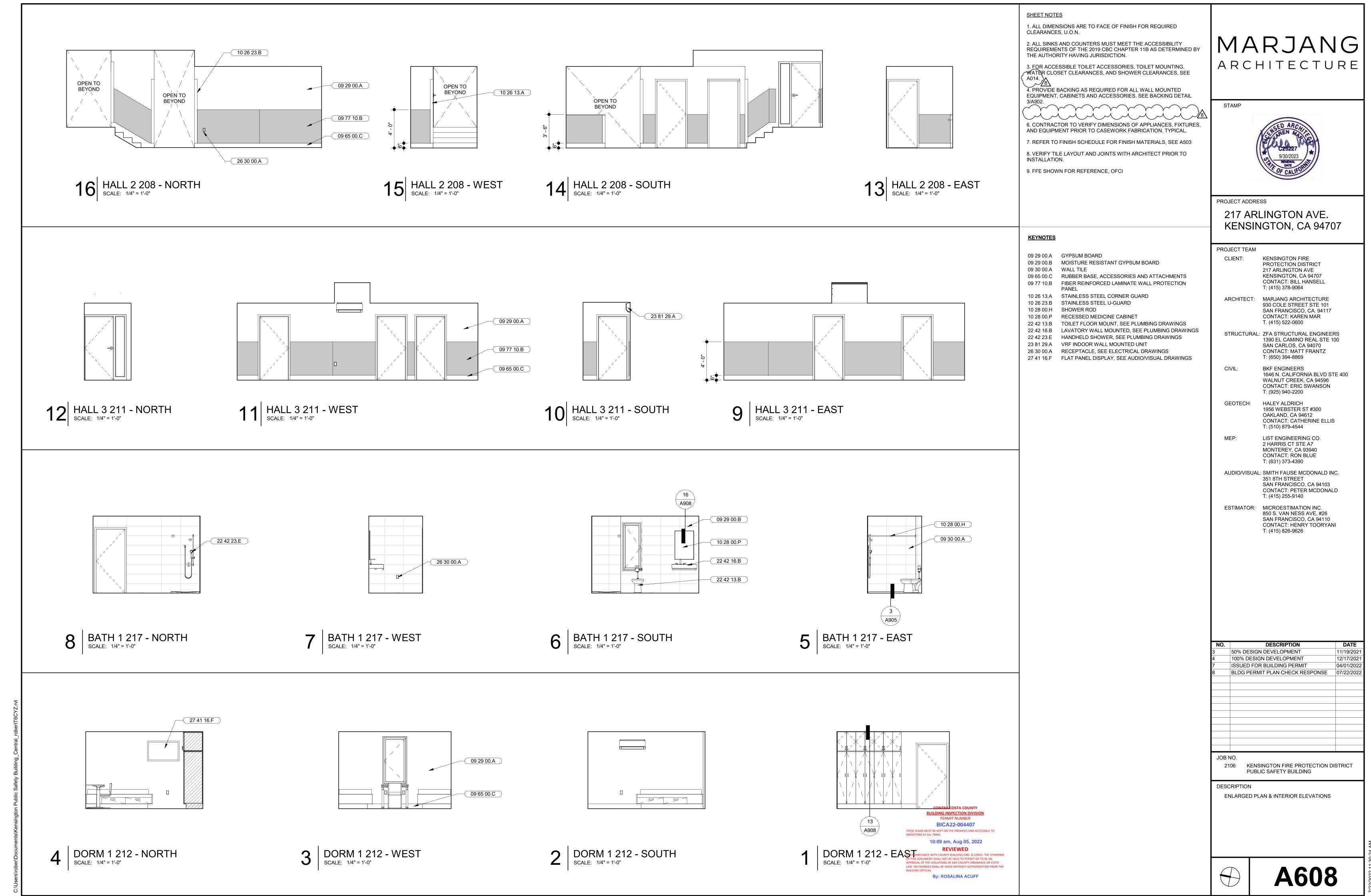
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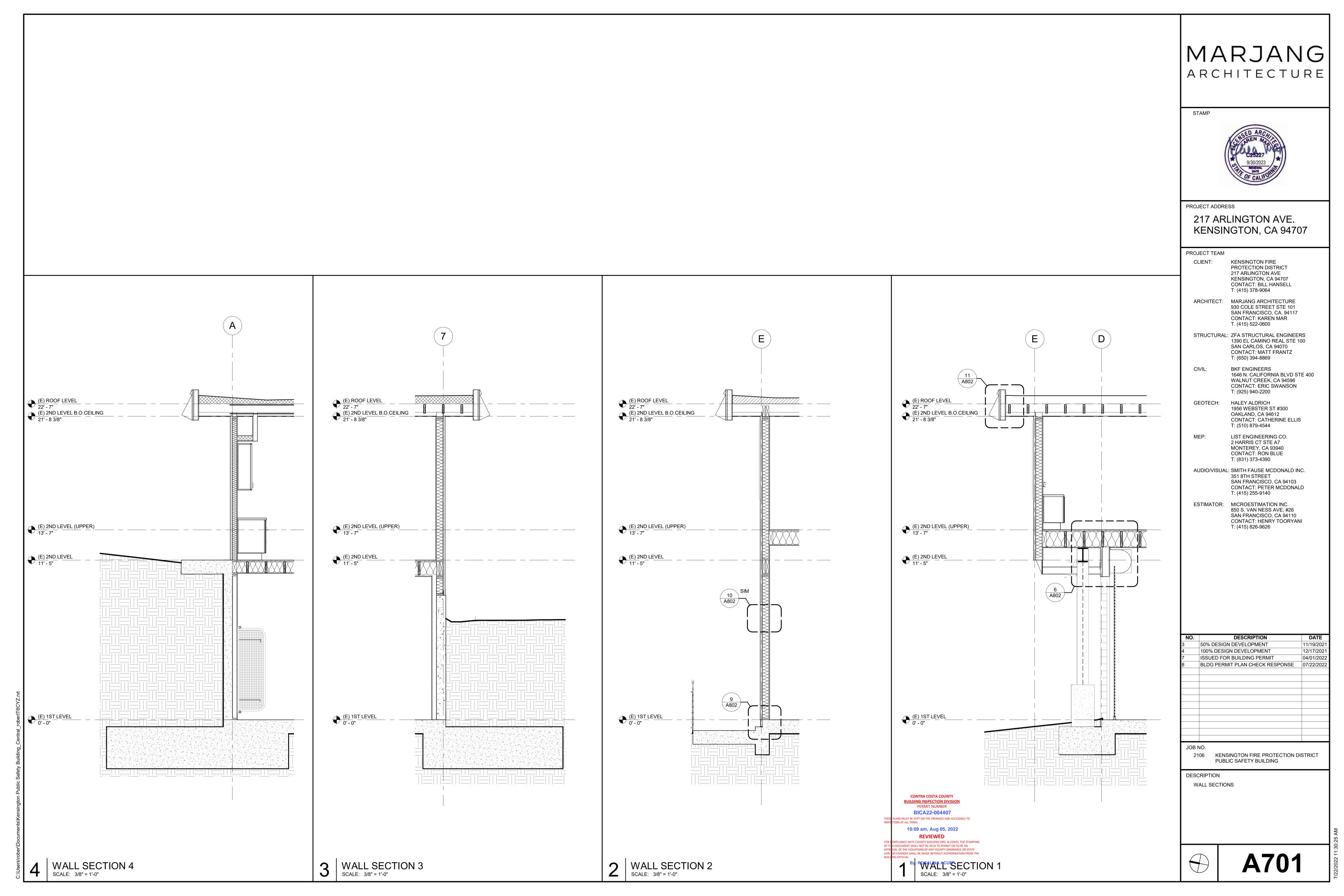
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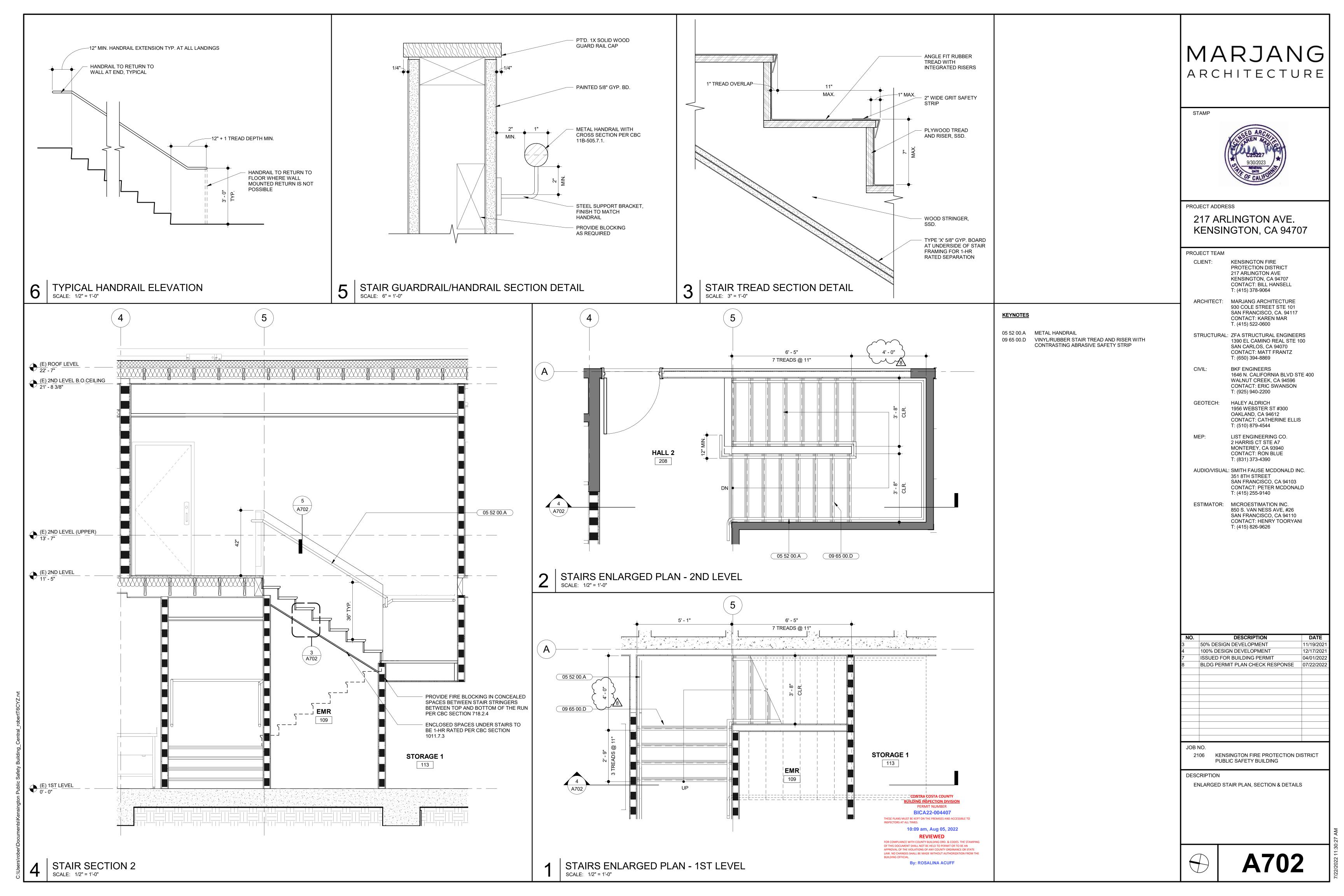
ENLARGED PLAN & INTERIOR ELEVATIONS

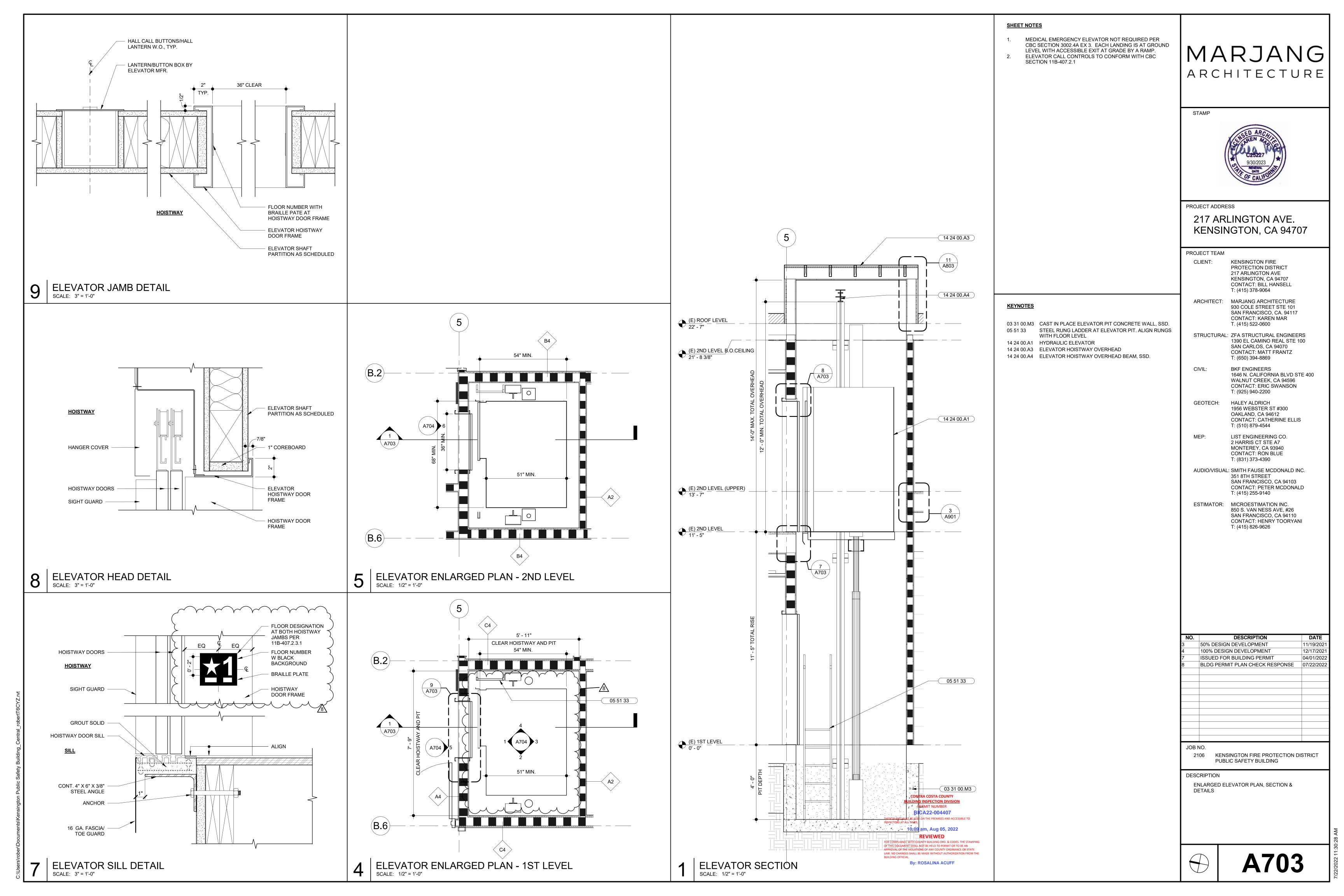


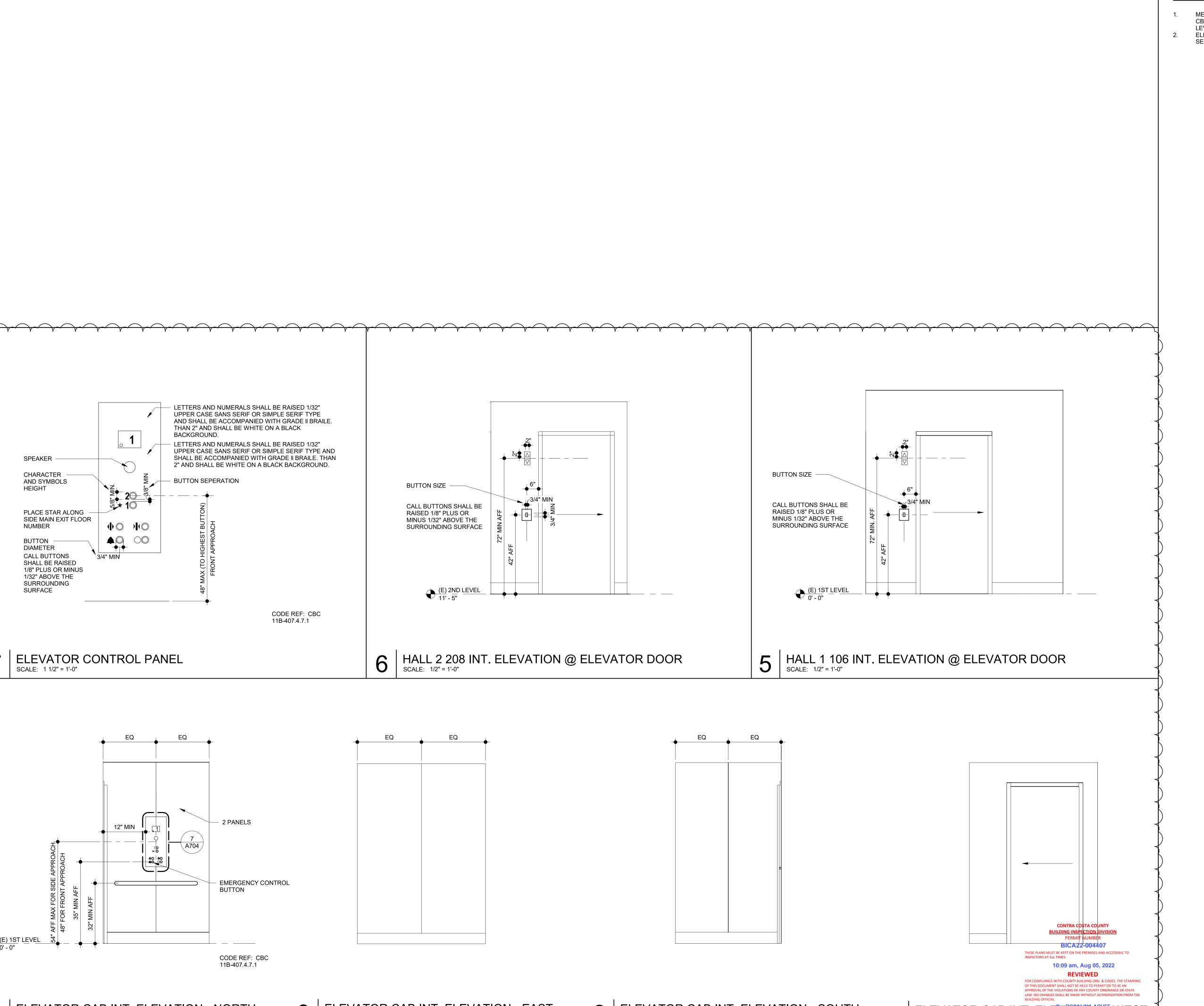












- 1. MEDICAL EMERGENCY ELEVATOR NOT REQUIRED PER CBC SECTION 3002.4A EX 3. EACH LANDING IS AT GROUND LEVEL WITH ACCESSIBLE EXIT AT GRADE BY A RAMP.
- 2. ELEVATOR CALL CONTROLS TO CONFORM WITH CBC SECTION 11B-407.2.1

MARJANG

STAMP



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NO. DESCRIPTION DATE

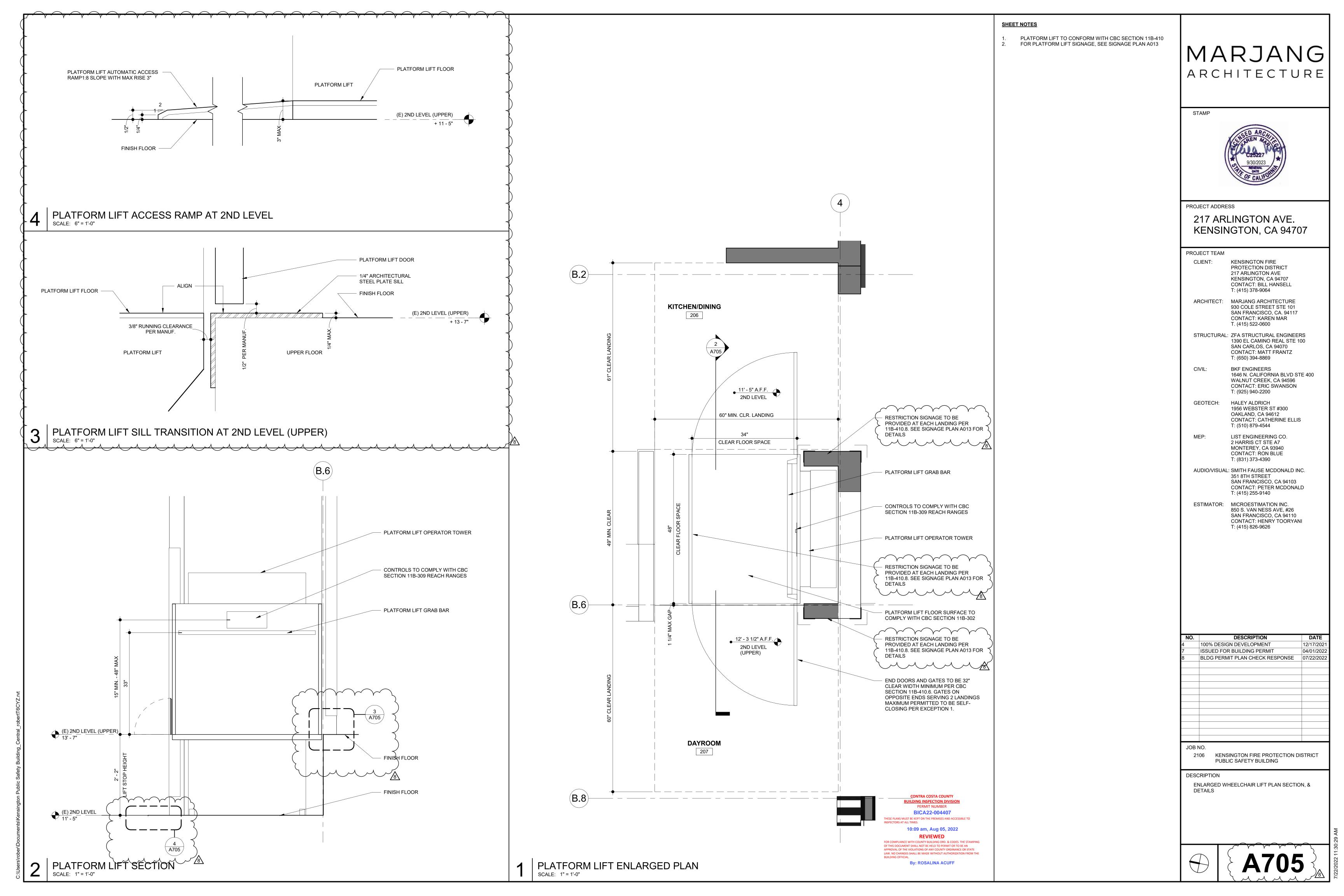
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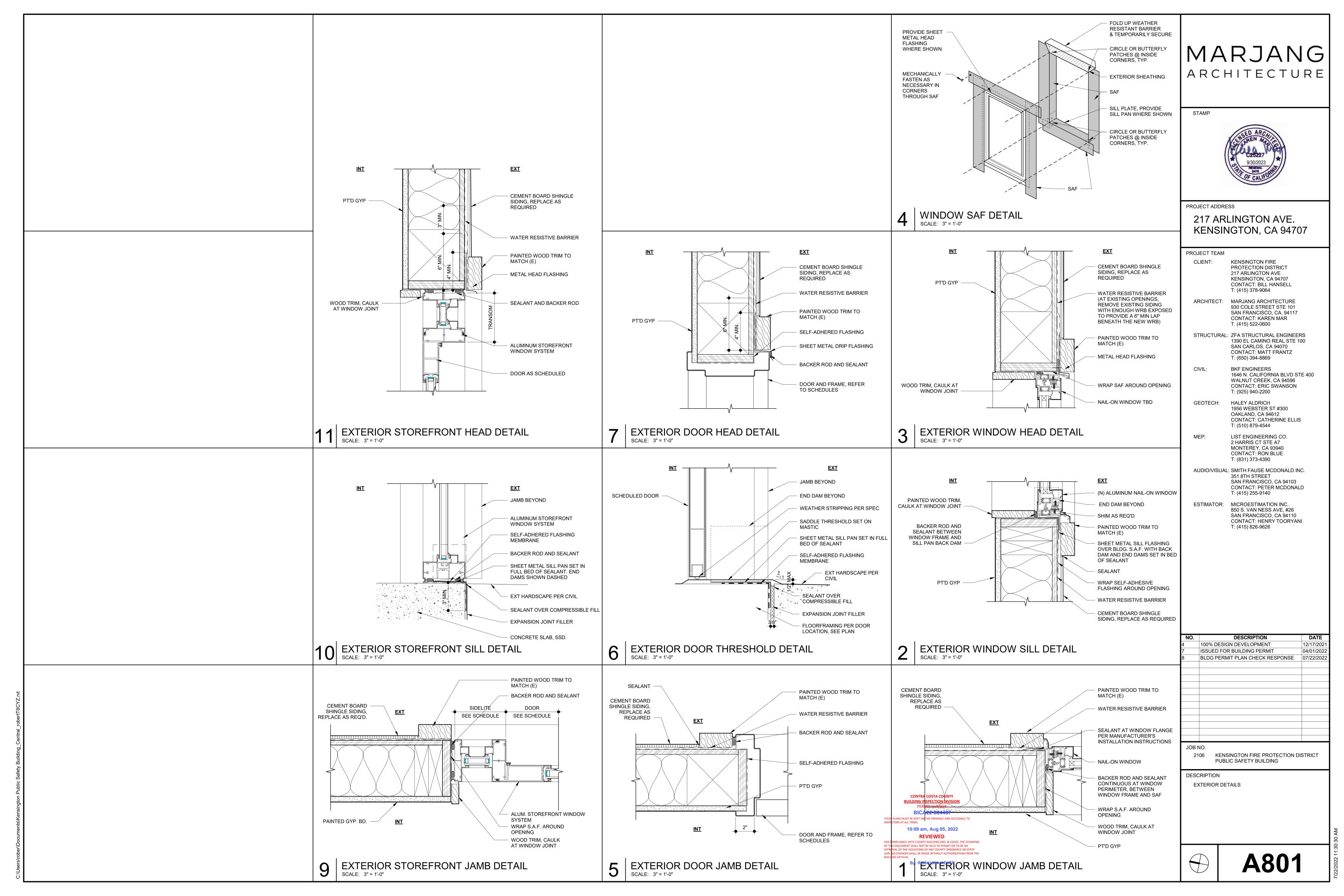
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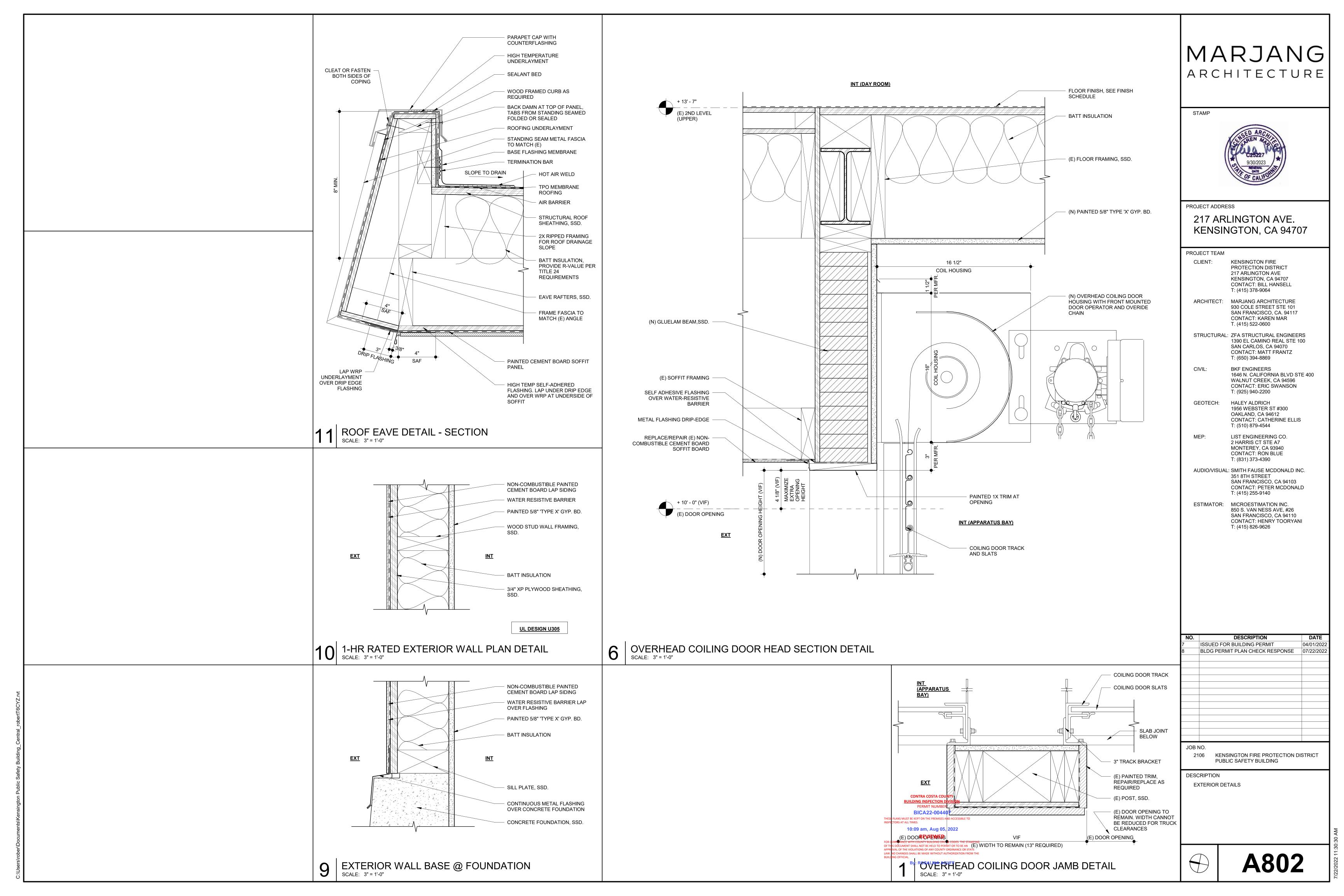
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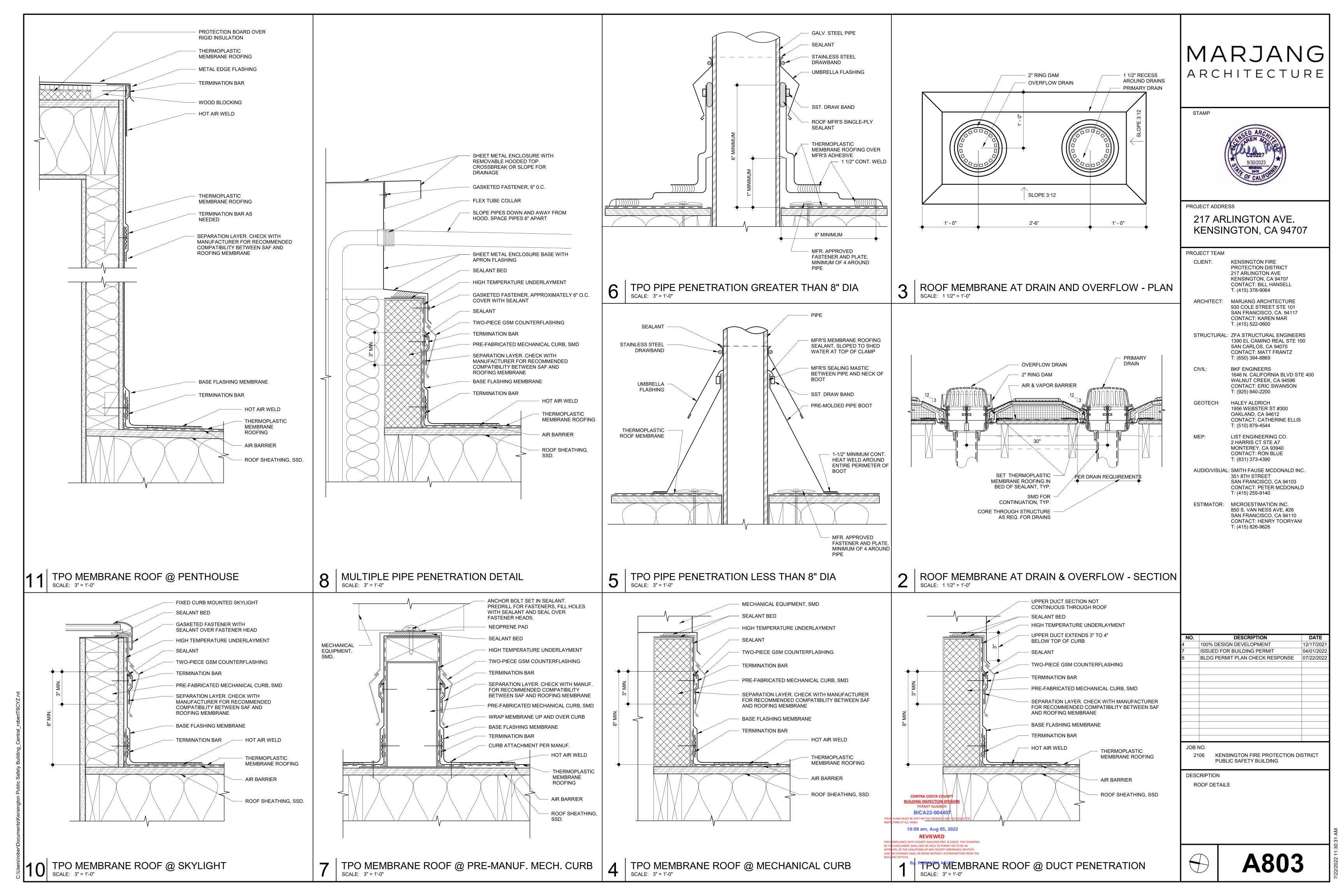
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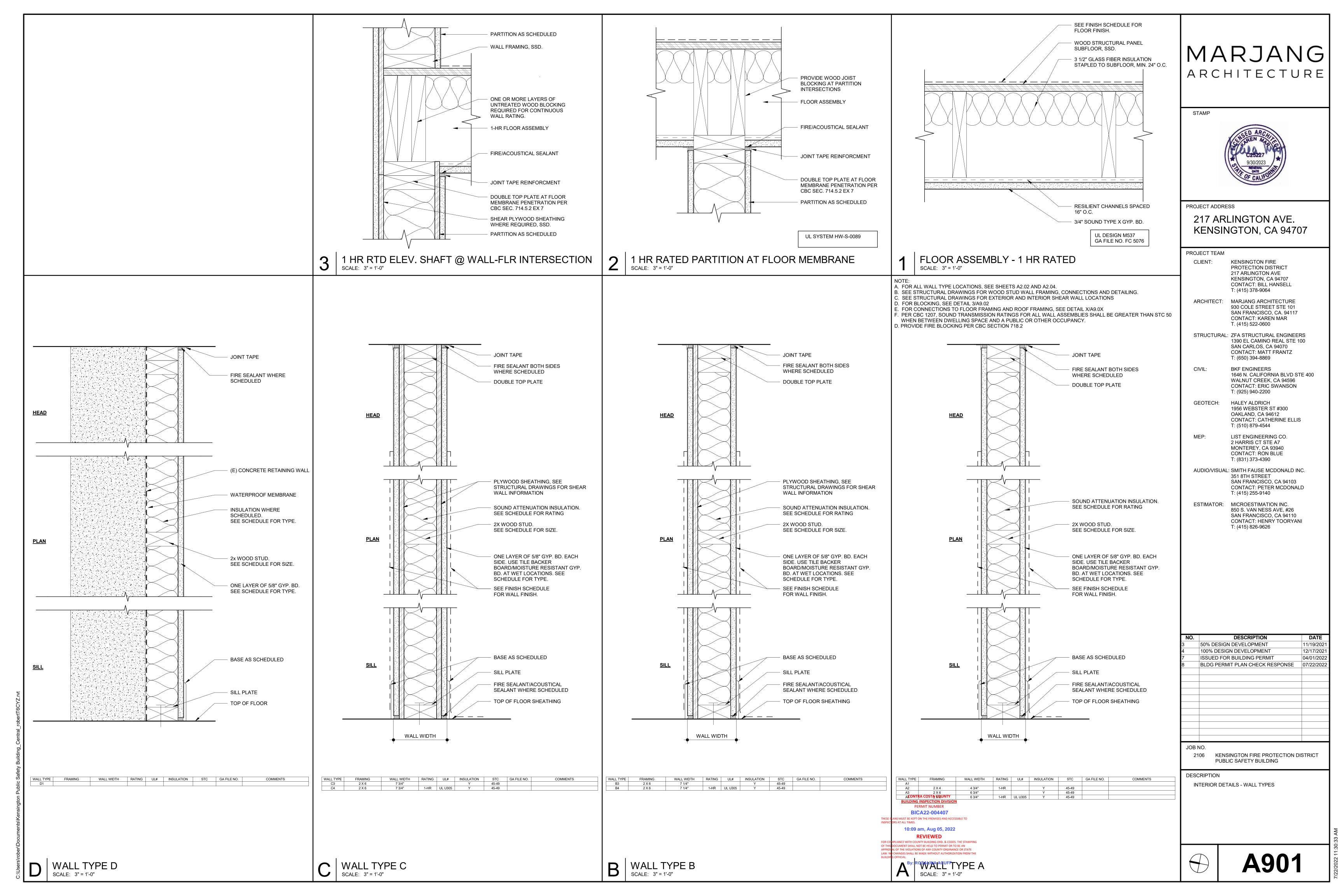
ENLARGED ELEVATIONS

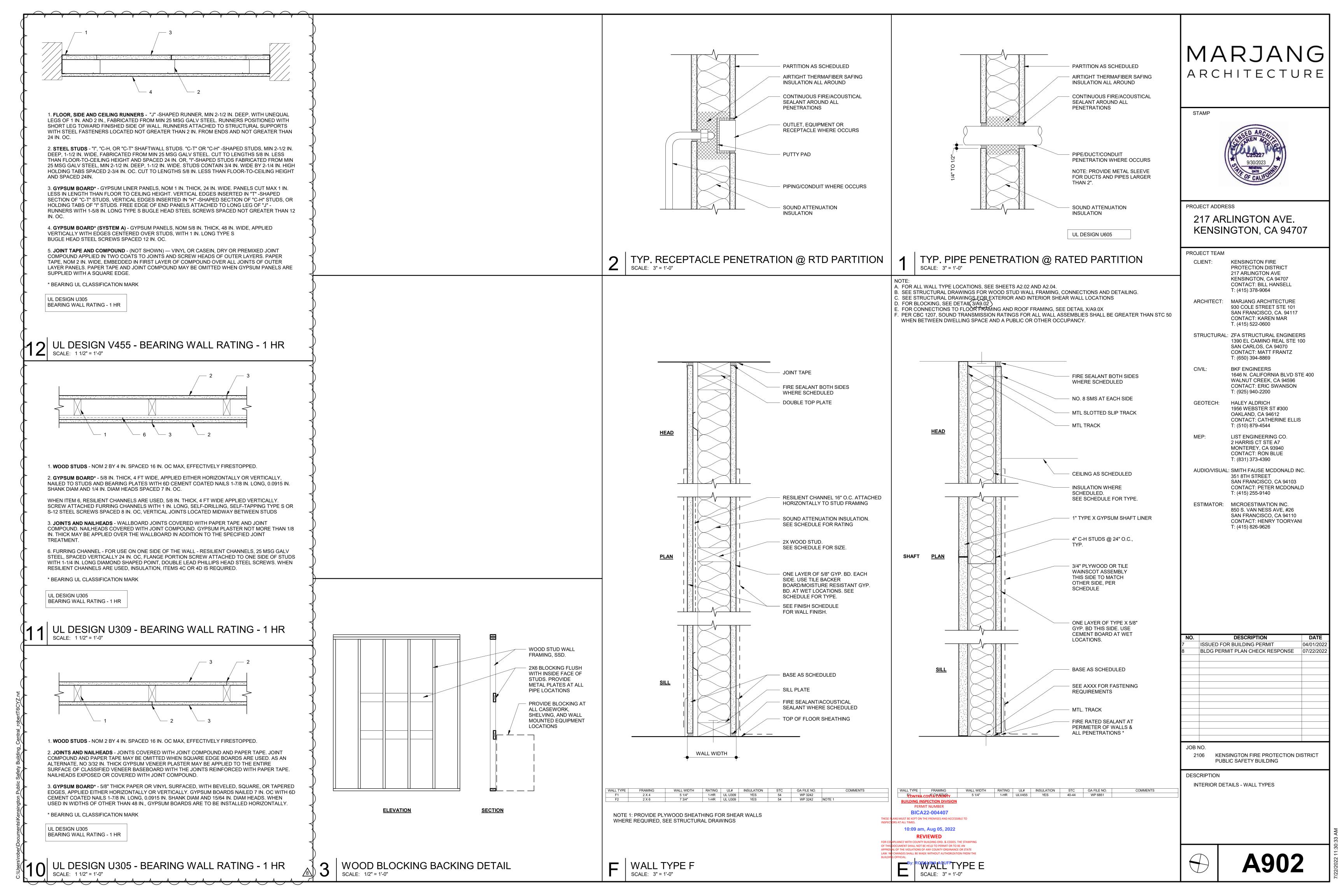


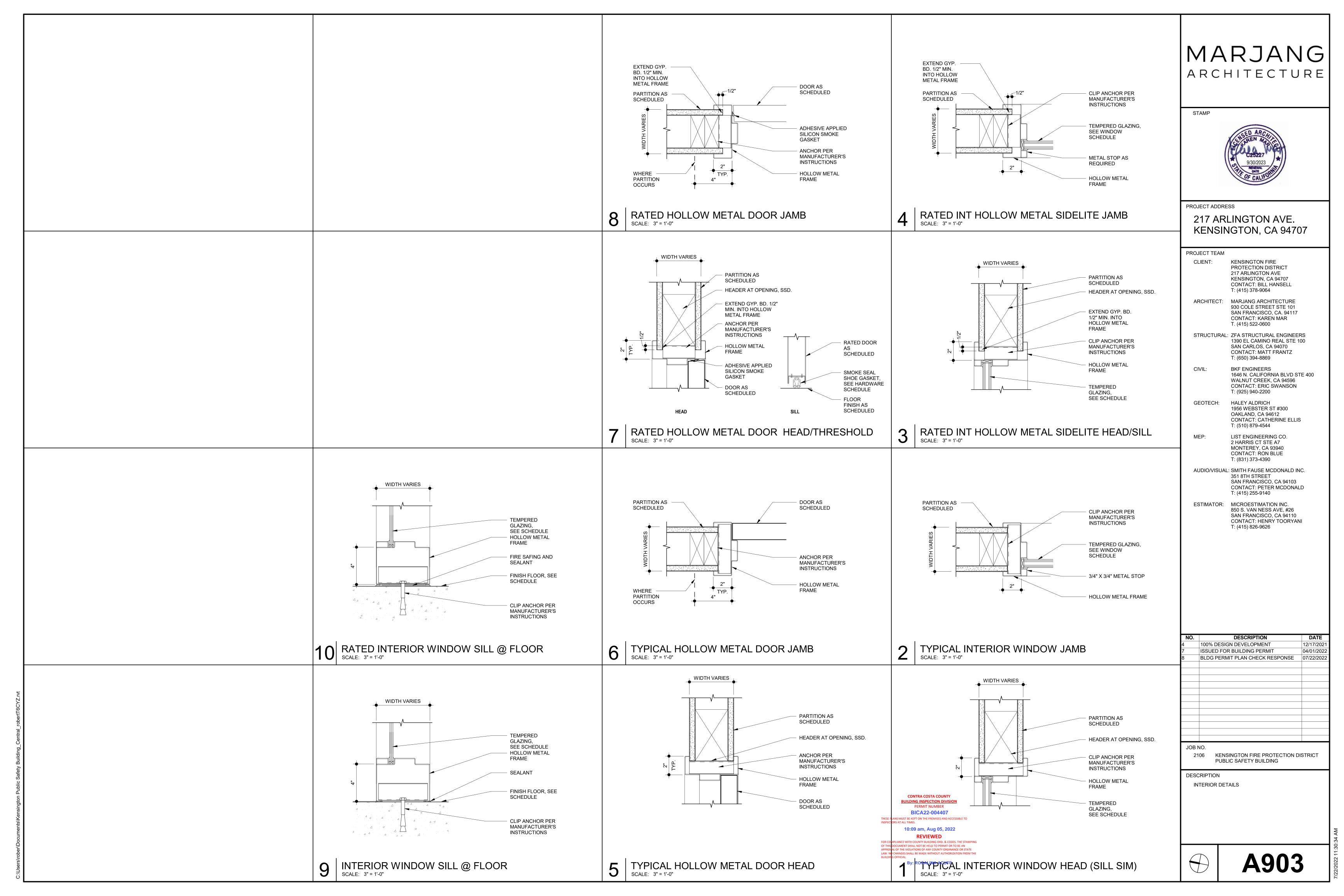


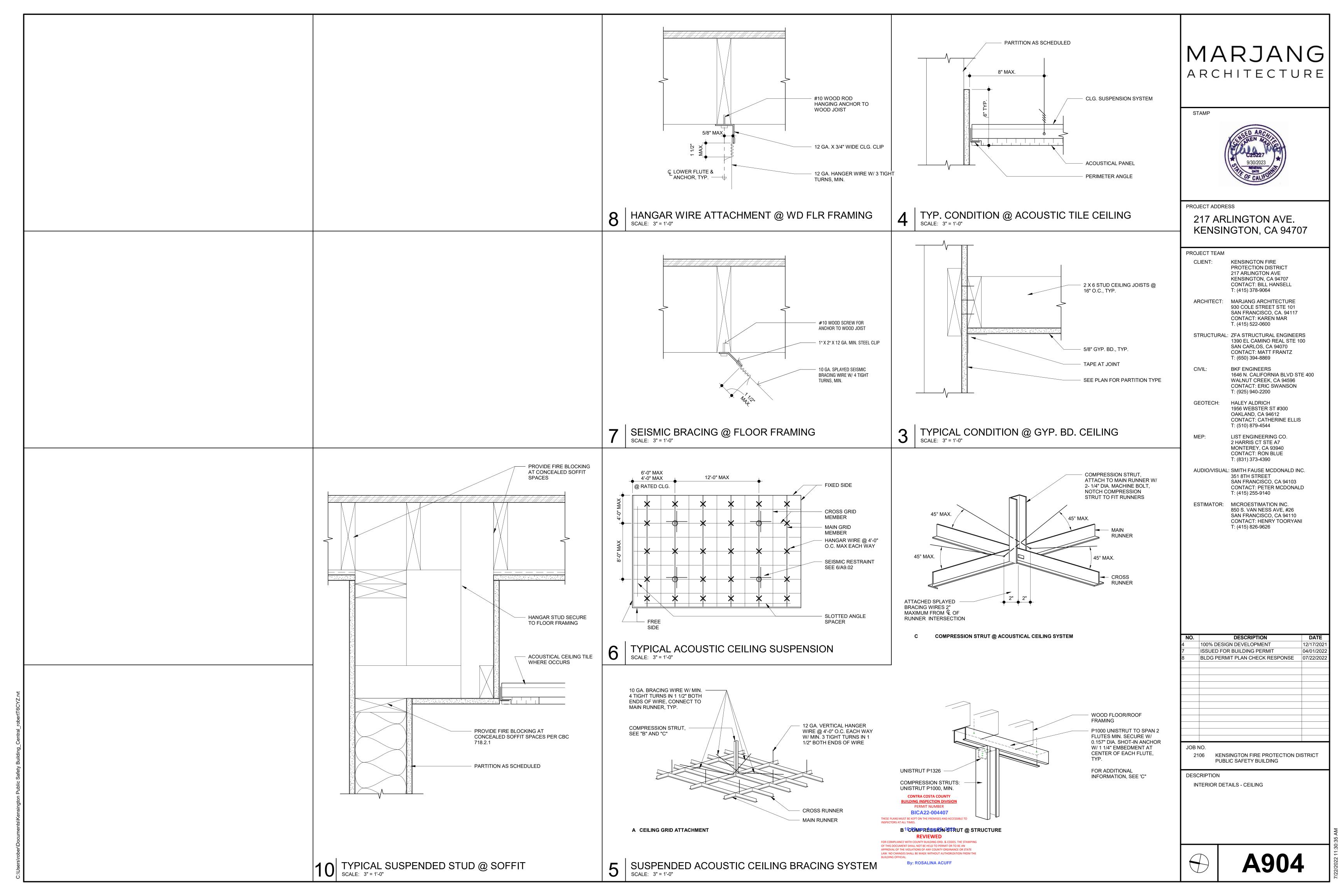


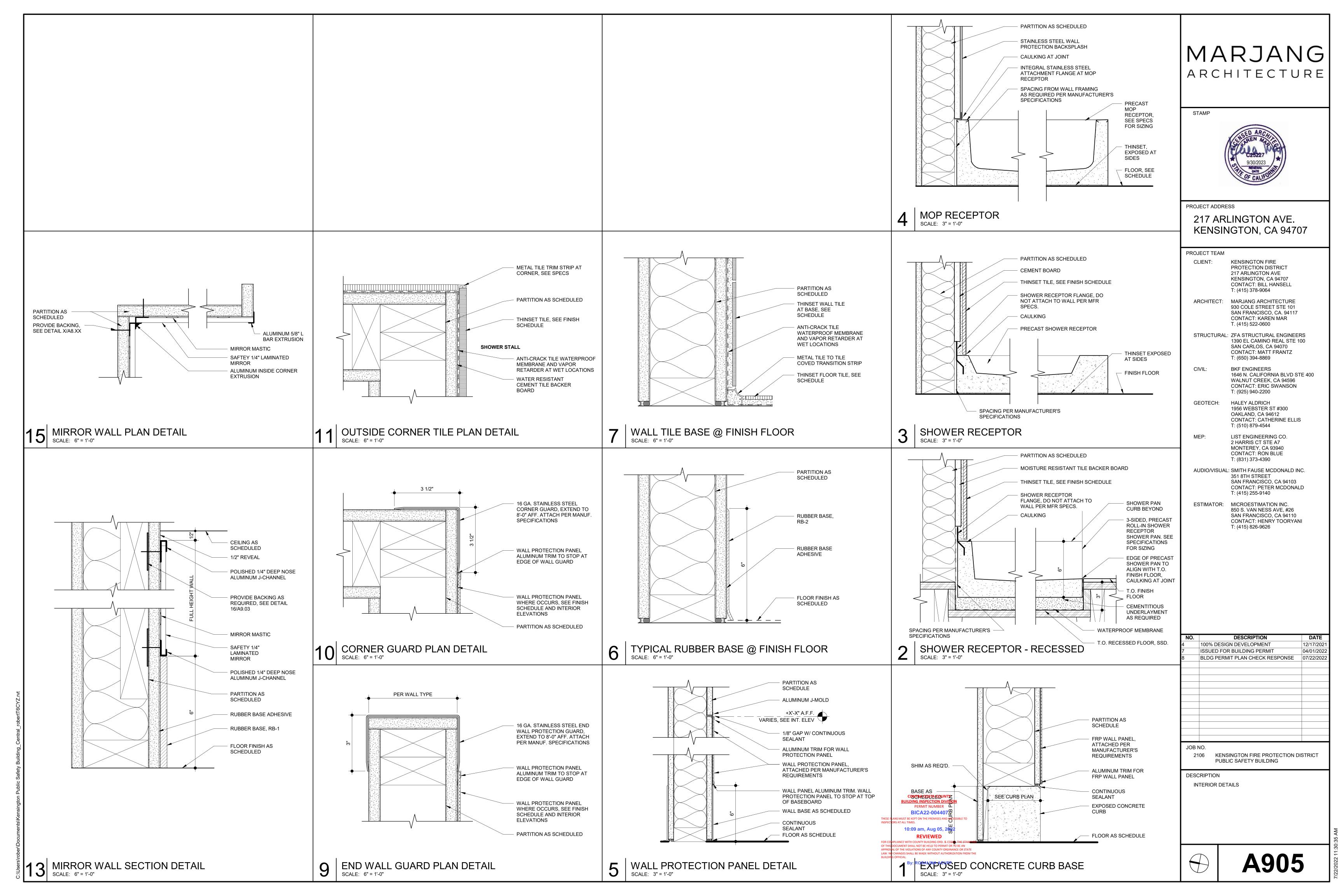


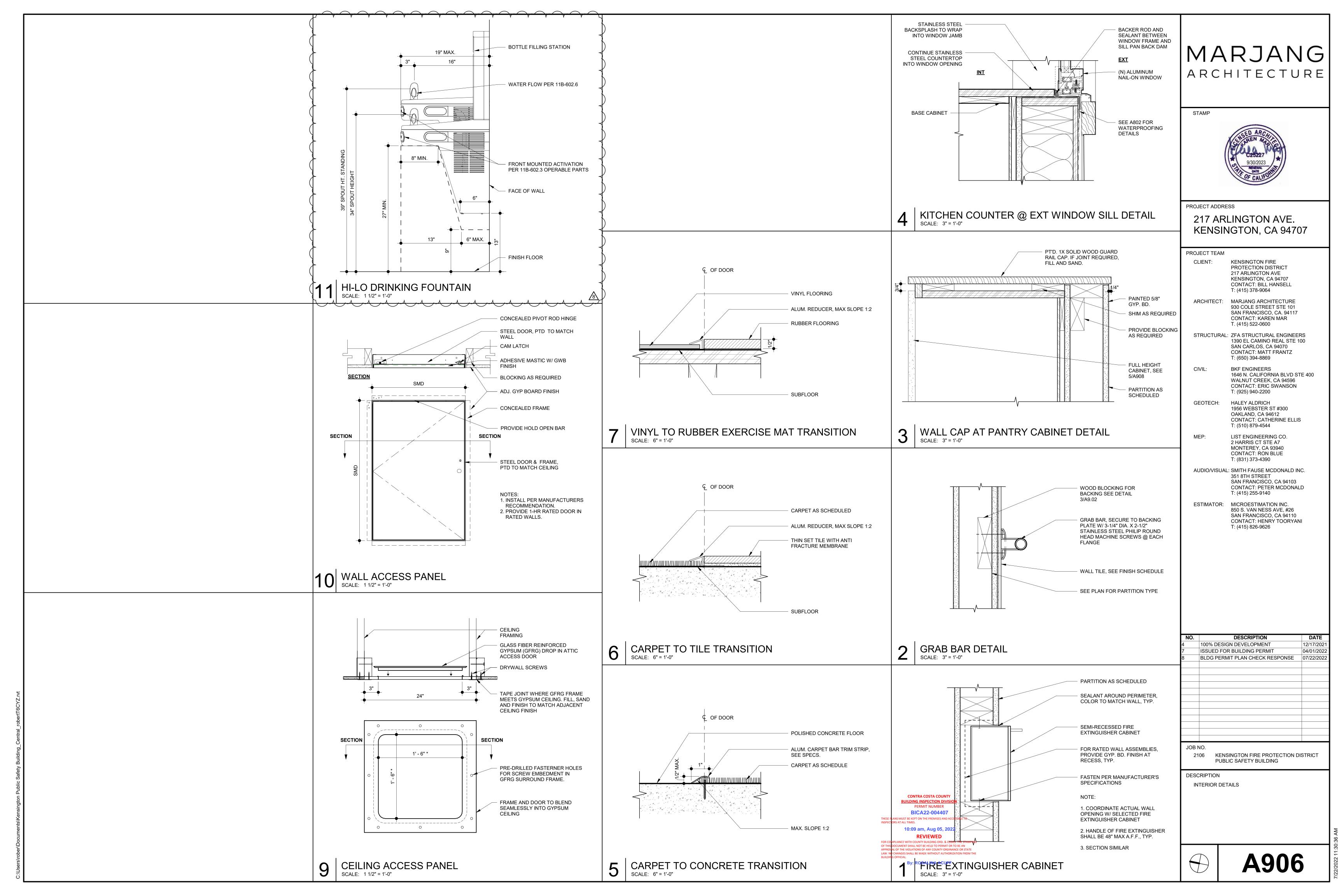


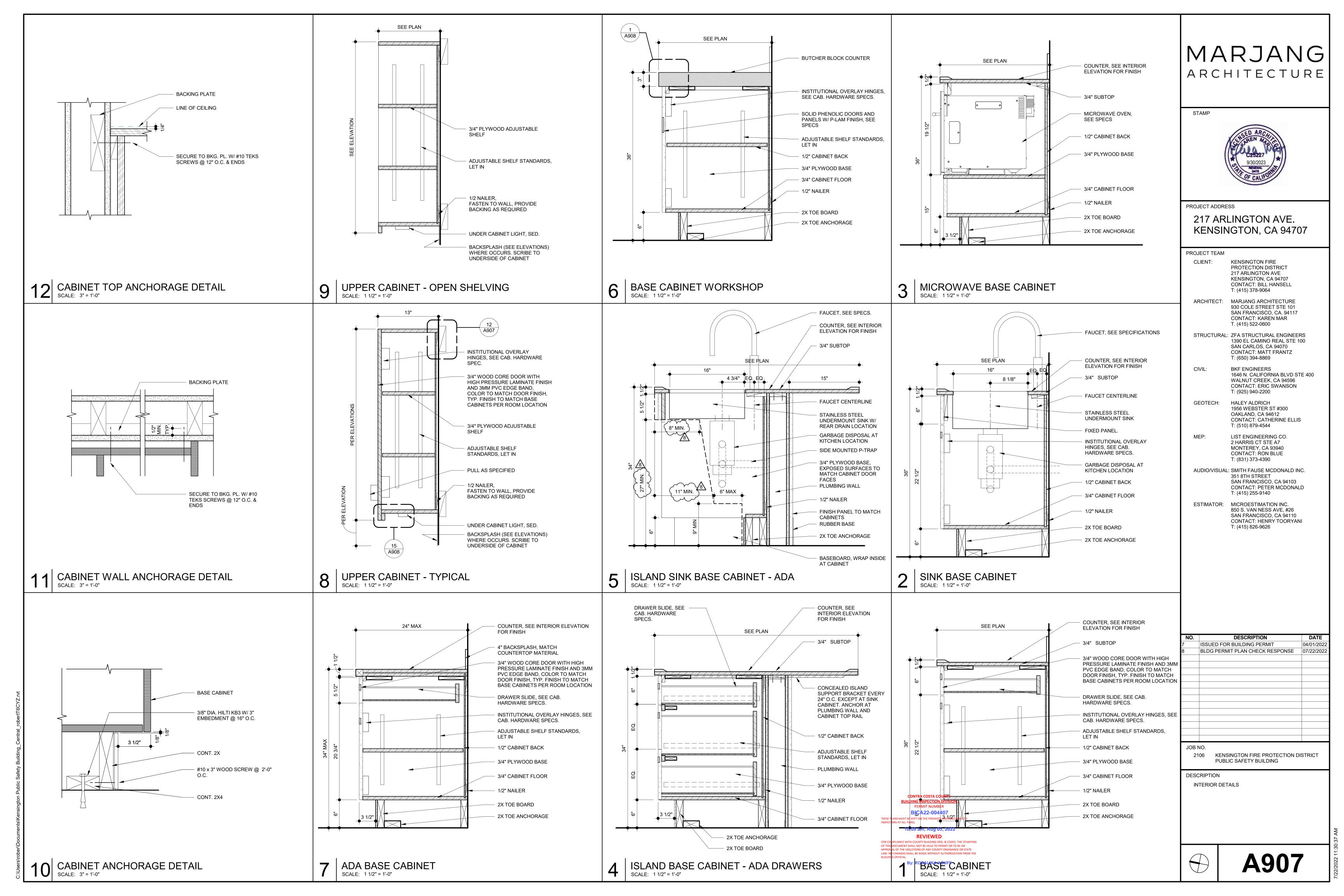


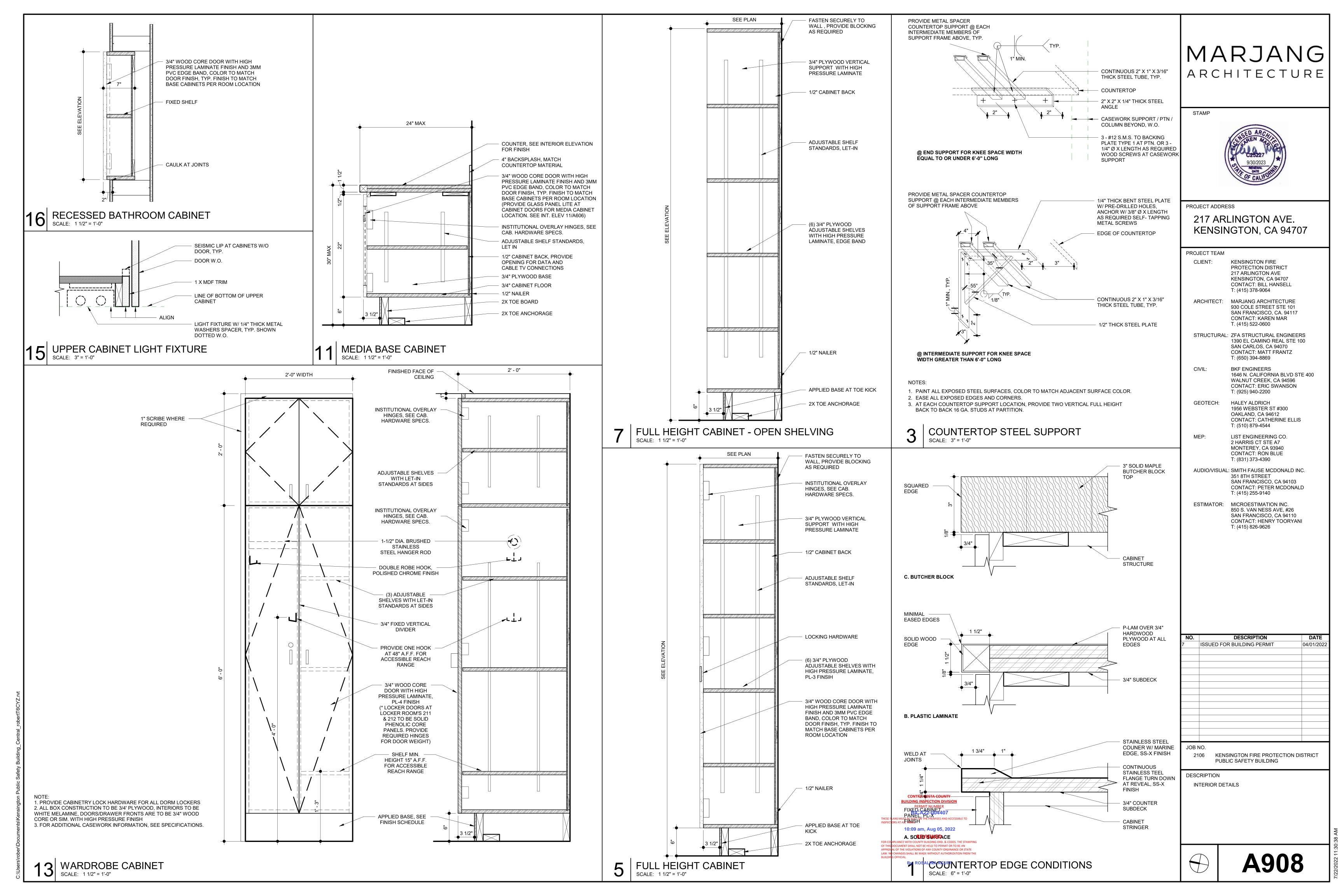












CAMBER IN INCHES.

WHERE NOT NOTED ON PLAN AND DETAILS.

REQUIREMENTS AT EXTERIOR EXPOSURES.

PLANS AND DETAILS FOR OTHER REQUIREMENTS.

WHERE HANGERS ARE SHOWN ON PLAN.

WALLS PARALLEL TO FRAMING, UNO.

1½" EDGE OF THE MEMBER.

PANEL POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

PARALLEL STRAND LUMBE

REDUCED BEAM SECTION

AMERICAN STANDARD BEAM

STRUCTURAL ENGINEER OF

SEISMIC FORCE RESISTING

SEE LANDSCAPE DRAWINGS

SEE MECHANICAL DRAWING

SEE PLUMBING DRAWINGS

SHEET METAL SCREW

SLAB ON GRADE

SPECIFICATION

STAGGERED

STRUCTURAL SHEAR WALL SYMMETRICA

THREADED

TOP AND BOTTO

TOTAL LOAD TOE NAIL TOP OF CONCRETE

TOP OF MASONRY

TOP OF PLYWOOD

UNLESS NOTED OTHERWISI

WIDE FLANGE STEEL BEAM WITH

WORK POINT/WATERPROOF

WEIGHT WELDED THREADED STUD

WELDED HEADED STUD WELDED

TOP OF STEEL

VERIFY IN FIFI D

WOOD SCREW

WITHOUT

TONGUE AND GROOVE THICK

SQUARE SELECT STRUCTURAL

or STAINLESS STEE

SEE ARCHITECTURAL

SEE CIVIL DRAWINGS

PRESSURE TREATED

DOUGLAS FIR

REFERENCE

REINFORCING

SOLID BLOCK

SLIP CRITICAL

SIMII AR

REQUIRED RETAINING REVISION

PTDF

SCD SCHED SED SEOR

SFRS

SKYL7 SLD

ABBREVIATIONS

ADJACENT

ADDITIONAL ALTERNATE

ARCHITEC

BLK/BLKG

ALASKAN YELLOW CED

BEYOND AMERICAN STANDARD

COLD FORMED STEEL CAST IN PLACE

CERTIFIED GLUED LUMBER | Lb or #

CONCRETE MASONRY UNIT | MAX

EFORMED BAR ANCHOR

DEMAND CRITICAL WELD

ELEVATOR/ELEVATION

QUIPMENT

EACH SIDE EACH WAY

FOUNDATION

FINISH GRADE

FACE OF STUD

FACE OF CONCRETE

FACE NAIL

FAR SIDE

BRACED FRAME BUILDING

BLOCK/BLOCKING

BEAM BOUNDARY NAIL

BETWEEN BUILT-UP

CALIFORNIA

CANTILEVER CARRIAGE BOLT

CENTERLINE COMPLETE JOINT

PENETRATION

CONCRETE

COORDINATE

JT WASHER

DIAMETER

GAGE or GAUGE GALVANIZED

GLUE LAMINATED BEAM

HIGH STRENGTH BOLT

HORIZONTAL SLOTTED

HOLLOW STRUCTURAL

INSIDE DIAMETER

POUND(s) LIGHT GAGE METAL

LAG SCREW

METAL BUILDING

MECHANICAL

MINIMUM

MECH UNIT

OVER ON CENTER

OPPOSITE OVERSIZED

POST ABOVE

FASTENERS

MOMENT FRAME

MANUFACTURER

MISCELLANEOUS

NEW NOT APPLICABLE

NEAR SIDE NON-SHRINK GROUT

OUTSIDE DIAMETER

OPPOSITE HAND

OTHERWISE OPEN WEB TRUSS

POWER ACTUATED

PANEL EDGE NAIL

PERPENDICULAR

PI ATE or PROPERTY LINE

POUNDS PER LINEAR FOOT

MANUFACTURER

LIGHT GAGE METAL

LIVE LOAD LONG LEG HORIZONTAL LONG LEG VERTICAL

LIGHTWEIGHT CONCRETE

MISCELLANEOUS CHANNEL

MALLEABLE IRON WASHER

NOT TO SCALE
NORMAL-WEIGHT CONCRETE
TOS

PANEL EDGE SCREWS
PARTIAL JOINT PENETRATION
WTS

LAMINATED STRAND LUMBER SPEC LAMINATED VENEER LUMBER SQ

I SHAPED WOOD BUILT

HIGH STRENGTH GROU

HOLD DOWN HOT-DIP GALVANIZED

GRADE BEAM

HEADER

HOOK

INTERIOR

HORIZONTAL

OF THE SHEAR WALL SCHEDULE.

PER <u>8/S103</u> .

2. ALL BEAMS AND JOISTS (EXCLUDING I JOISTS) SHALL BE SEAT CUT FOR FULL

4. 3½" AND 5½" WIDTHS MAY BE SUBSTITUTED FOR 3½" & 5½" WIDTHS.

MAY BE CLEAR ZINC COATED. SEE SPECIFICATIONS FOR ADDITIONAL

6. EXTERIOR STUD WALL SHALL BE 2x6 @ 16"oc UNLESS NOTED OTHERWISE.

UNIFORM BEARING AT SUPPORTS, INCLUDING BEAM SEATS AND COLUMN CAPS.

3. THE GENERAL CONTRACTOR SHALL MEASURE GLULAM BEAM SIZES AND CAMBERS

PRIOR TO ERECTION. PROVIDE 5,000 FT. RADIUS CAMBER ON ALL SIMPLE SPAN

GLULAM BEAMS UNO. WHERE INDICATED ON PLAN, C = ¾" INDICATES MIDSPAN

RESPECTIVELY, AT INDUSTRIAL APPEARANCE GRADE GLULAM MEMBERS UNO.

5. SEE 11/S103 FOR SHEATHING NAILING REQUIREMENTS. ALL NAILING NOT NOTED OR

MATERIAL SHALL BE HOT DIP GALVANIZED. NAILS AT BORATE TREATED LUMBER

MEET CBC PENETRATION REQUIREMENTS. NAILS INTO PRESSURE TREATED

INTERIOR BEARING WALLS AND SHEAR WALLS SHALL BE 2x6 @ 16"oc UNLESS

7. WOOD POST SIZES ARE TO MATCH BEAM AND STUD WIDTH, UNO. WHERE POST

INTERIOR SHEAR WALLS. POSTS AT HOLDOWNS TO BE FULL HEIGHT AND

8. FOR ROOF DRAINAGE, TOP OF FRAMING BETWEEN NOTED POINTS IS A STRAIGHT

9. ALL MECHANICAL SUPPLY AND RETURN OPENINGS TO BE BETWEEN FRAMING UNO.

10. HSS OR PIPE COLUMNS IN STUD WALLS ARE TO BE TRIMMED PER 6/S104. REFER TO

11. JOISTS AND RAFTERS ARE PER PLAN. UNLESS NOTED OTHERWISE, PROVIDE "LU"

HANGER AT FLUSH FRAMING AND "HU" HANGER WHERE HANGER IS SHOWN

12. PROVIDE SOLID BLOCKING @ 8'-0"oc MAX FOR ALL 2x14 REPETITIVE FRAMING.

13. PROVIDE ADDITIONAL JOIST BELOW ALL OR ADJACENT TO NON-STRUCTURAL

TIMES THE BOLT DIAMETER. THE DIRECTION OF THE SLOTTED LENGTH IS

WASHERS AT EXPOSED CONDITIONS OR AS INDICATED.

LEDGERS AND PROVIDE SKIP BLOCKING AS DETAILED.

11/4" FRAMING/BLOCKING EMBEDMENT.

STEEL NOTES

REQUIREMENTS.

FAYING SURFACE PREPARATION, UNO.

CONTRACTOR PER C/S0.1.

14. ROUND HOLES IN STEEL PLATES TO BE 1/16" OVERSIZE. SLOTTED HOLES IN STEEL

PLATES SHALL BE $\frac{1}{16}$ " WIDER THAN THE BOLT DIAMETER AND HAVE A LENGTH OF 2

INDICATED ON THE DETAILS (VSH OR HSH). INSTALL BOLT AT THE CENTER LINE OF

THE HOLE. BOLT HOLES IN WOOD SHALL BE ROUND AND 1/32 OVERSIZE. CUT OFF

BOLT THREADED END FLUSH WITH NUT WHEN REQUIRED BY FINISHES AND 1"

MAXIMUM FROM NUT OTHERWISE. PROVIDE STANDARD CUT WASHERS UNDER

15. ALL BOLTED OR NAILED STRAP CONNECTIONS SHALL HAVE AN EQUAL NUMBER OF

BOLTS OR NAILS EACH SIDE OF THE SPLICE JOINT. THE FIRST BOLT OR NAIL FROM

EACH SIDE OF THE SPLICED OR STRAPPED MEMBER SHALL BE EQUIDISTANT FROM

THE SPLICE. STRAPS USING 16d NAILS ON 2x MATERIAL TO BE INSTALLED ON THE

16. THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING

17. VENTING IS REQUIRED IN ENCLOSED FRAMING AREAS, SAD. DRILL BLOCKING AND

18. SAD FOR CEILING INFO. WHERE REQUIRED PROVIDE CEILING JOISTS PER 4/S104

19. ALL SHEATHING SHALL HAVE 1/8" GAP AT ALL EDGES AND JOINTS. TYPICAL

A. FLAT ROOF SHEATHING (SLOPE 2:12 OR LESS): 19/32 " T&G APA RATED

1. COORDINATE TOP OF FOOTING ELEVATIONS AS DETERMINED BY THE

ON ARCHITECTURAL DRAWINGS AND STRUCTURAL DRAWINGS.

SHEATHING (40/20) EXP 1 WITH 8d @ 4"oc EDGES (PEN) AND 12"oc FIELD UNO ON

PLANS. LAY PERPENDICULAR TO FRAMING MEMBERS. BLOCK EDGES WITH 2x4

4"oc EDGES (PEN) AND 12"oc FIELD UNO ON PLANS. LAY PERPENDICULAR TO &

GLUE TO FRAMING MEMBERS IMMEDIATELY PRIOR TO FULL NAILING (DO NOT

SPOT NAIL). BLOCK EDGES WITH 2x4 LAID FLAT AS NOTED ON THE PLANS AND

DETAILS. NO PANELS LESS THAN 24" WIDE SHALL BE USED. STAGGER SHEETS.

ALTERNATE FASTENER: SIMPSON WSV #9x2" MIN SCREW (ICC ESR-1472). MIN

2. TOP OF STEEL ELEVATIONS ARE TO BE DETERMINED BY THE CONTRACTOR BASED

3. ALL FRAMING AND CONNECTIONS ALONG GRID LINES OR OTHERWISE INDICATED

AS (SFRS) ARE PART OF THE SEISMIC FORCE RESISTING SYSTEM. TESTING AND

INSPECTION OF FRAMING AND CONNECTIONS INDICATED AS SFRS SHALL MEET ALL

REQUIREMENTS OF AISC 341 AND AWS D1.8. SEE SPECIFICATIONS FOR ADDITIONAL

B. FLOOR SHEATHING: 23/32 " T&G APA RATED SHEATHING (48/24) EXP 1 WITH 10d @

LAID FLAT. NO PANELS LESS THAN 24" WIDE SHALL BE USED. STAGGER SHEETS.

ALLOWANCE FOR DIFFERENTIAL SHRINKAGE BETWEEN FLOORS, ETC.

UMBER AND SHEATHING MEET THE REQUIREMENTS OF THE SPECIFICATIONS AT.

THE TIME OF INSTALLATION AND AT CLOSE-IN. THE CONTRACTOR SHALL PROVIDE

HEAD AND NUT WHERE BOLT BEARS ON WOOD. USE PLATE OR MALLEABLE IRON

SKEWED PER PLAN AND/OR HANGER SEAT IS INDICATED TO BE SLOPED. HANGER

SIZE TO BE CORRECT FULL SIZE FOR JOIST SIZE (I.E. LU210 FOR 2x10). FILL ALL NAIL

HOLES. UNLESS NOTED OTHERWISE, PROVIDE "HU" HANGER AT 4x AND 6x BEAMS

NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR OTHER INTERIOR WALL

FRAMING SIZES. COORDINATE STUD AND PLATE SIZES WITH THE REQUIREMENTS

OCCURS ABOVE RAISED FLOOR, PROVIDE SOLID BLOCKING AT FLOOR FRAMING TO MATCH WIDTH OF POST. PEN PER C/S002 TO POSTS AT ALL EXTERIOR WALLS AND

DETAILED OTHERWISE SHALL BE PER 10/S103. NAIL LENGTH TO BE SUFFICIENT TO

AS DELIVERED TO THE JOB SITE AND SHALL REPORT FINDINGS TO THE ENGINEER

ALL SOILS WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE REQUIREMENTS OF THE GEOTECHNICAL REPORT NOTED BELOW, AND CHAPTER 18 OF THE CBC. ALL GRADE BEAMS AND SLABS SHALL BEAR ON FIRM, SCARIFIED AND COMPACTED, NATIVE SOILS OR SHALE AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS. SURFACES EXPOSED BY EXCAVATION SHOULD BE SCARIFIED TO A DEPTH OF 8 INCHES AND COMPACTED PER GEOTECHNICAL REPORT. CONTINUOUS FOOTINGS MUST BEAR ON SHALE. INCREASE FILL AND OR FOOTING DEPTH AS REQUIRED BY GEOTECHNICAL ENGINEER. ALL FOOTING EXCAVATIONS SHALL BE AS NEAT AS PRACTICABLE. MAXIMUM OVER EXCAVATION IN WIDTH SHALL BE LESS THAN 12 INCHES OR 25% OF FOOTING WIDTH, WHICH EVER IS LESS. 6 INCHES MAXIMUM PER SIDE. LARGER OVER-EXCAVATIONS IN WIDTH SHALL BE FILLED WITH ADDITIONAL REINFORCED CONCRETE AS DIRECTED BY THE ENGINEER, OR FORMWORK SHALL BE PROVIDED. OVER-EXCAVATIONS IN DEPTH MAY BE FILLED WITH LEAN CONCRETE OR COMPACTED APPROVED BACKFILL. ALL LOOSE SOILS SHALL BE REMOVED FROM EXCAVATIONS PRIOR TO PLACEMENT OF REINFORCING OR CONCRETE. GEOTECHNICAL REPORT BY:

HALEY & ALDRICH, INC. REPORT NO. 0201747-000 DATED: 11/29/2021

HALEY & ALDRICH, INC. SUPPLEMENTAL GEOTECHNICAL RECOMMENDATIONS DATED: 03/17/2022

3. WHERE BOTTOM OF ADJACENT FOOTINGS ARE DIFFERENT PROVIDE STEPPED FOOTING PER 8/S101

USE 5/8" DIAMETER x 12" (18" AT CURBS) ANCHOR BOLTS (AB) AT 48"oc WHERE NOT OTHERWISE NOTED. MINIMUM EMBEDMENT INTO CONCRETE IS 7" (EXCLUDING CURB) UNLESS DETAILED OTHERWISE. ANCHOR BOLTS ARE TO BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. SEE SHEAR WALL SCHEDULE FOR ADDITIONAL REQUIREMENTS. MINIMUM TWO ANCHOR BOLTS PER SILL PIECE.

TYPICAL SLAB: CONCRETE REINFORCED SLABS WITH THICKNESS AND REINFORCEMENT PER FOUNDATION PLAN OVER VAPOR RETARDER (PER SPECIFICATIONS) AND 6" THICK LAYER OF COMPACTED CLASS 2 AGGREGATE BASE ON SUBGRADE PER THE GEOTECHNICAL RECOMMENDATIONS, AND AS APPROVED BY THE GEOTECHNICAL ENGINEER. DO NOT DRIVE CONCRETE TRUCKS OR LARGE SCREED MACHINES ON VAPOR RETARDER WITHOUT ADDITIONAL BUFFER MATERIAL AND APPROVAL FROM THE STRUCTURAL ENGINEER.

REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR DEPRESSED SLABS FOR ARCHITECTURAL FLOORING OR INSERTS, SLOPED SLABS TO DRAIN AND PIPES OR CONDUITS AT SLAB. SEE 7/S101 FOR PIPES AND CONDUITS.

PROVIDE CONTROL JOINTS PER 6/S101 (OR CONSTRUCTION/DOWEL JOINTS AT CONTRACTOR'S OPTION) AS SHOWN ON PLAN AND AS REQUIRED TO MEET A MAXIMUM SPACING IN FEET OF 3 TIMES THE SLAB DEPTH IN INCHES (FOR EXAMPLE 3x4" = 12'-0"oc MAX) AND 15'-0"oc MAX. INSTALL JOINTS TO DIVIDE SLAB INTO RECTANGULAR AREAS WITH LONG DIMENSION LESS THAN 1.5 x SHORT DIMENSION. INSTALL JOINTS AT FACE OF STUDS OF WALL WHERE POSSIBLE. SUBMIT JOINT LAYOUT PLAN FOR REVIEW PRIOR TO PLACEMENT.

DRILLING FOR CAST IN PLACE CONCRETE PIERS REQUIRES OBSERVATION AND APPROVAL OF GEOTECHNICAL ENGINEER, ALL PIERS SHALL BE POURED IN ONE CONTINUOUS POUR WITH STEEL IN PLACE. ALL PIERS TO BE VIBRATED WHILE POURING CONCRETE.

DO NOT UNDERCUT EXISTING FOUNDATIONS. NOTIFY ENGINEER FOR REVIEW AND POSSIBLE REVISIONS, IF EXISTING FOUNDATION CONDITIONS ARE NOT AS SHOWN.

10. TOP OF FOOTING ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR BASED ON INFORMATION FROM THE CIVIL DRAWINGS, GEOTECHNICAL REPORT, LANDSCAPE, ETC.

SPECIAL INSPECTION BY OWNERS \ TESTING AGENCY

SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED BY AN APPROVED AGENCY IN ACCORDANCE WITH CBC CHAPTER 17 AND THE STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED BY CBC SECTIONS 1704.2.3 AND 1704.3 FOR BUILDING STRUCTURAL ELEMENTS SUMMARIZED AS FOLLOWS:

STRUCTURAL STEEL CONSTRUCTION PER CBC SECTIONS 1705.2, 1705.12.1, 1705.13.1. AND TABLE 1705.2.3 INCLUDING MATERIAL IDENTIFICATION, SHOP AND FIELD WELDING, AND INSTALLATION OF HIGH-STRENGTH BOLTS.

CONCRETE CONSTRUCTION PER CBC SECTIONS 1705.3, AND TABLE 1705.3 INCLUDING FORMWORK, REINFORCING STEEL, CAST-IN-PLACE BOLTS, MIX DESIGNS, CONCRETE SAMPLES, AND PLACEMENT FOR ALL CONCRETE. REINFORCING DOWELS FROM FOOTINGS TO RETAINING WALLS SHALL BE INSPECTED PRIOR TO PLACEMENT OF FOOTING CONCRETE AND WALL GROUT OR CONCRETE. CONTINUOUS OR ISOLATED SPREAD FOOTINGS WITH DESIGN STRENGTH NO GREATER THAN 2500 PSI, NON-STRUCTURAL SLABS ON GRADE, AND EXTERIOR FLATWORK DO NOT REQUIRE SPECIAL INSPECTION PER CBC SECTION

WOOD CONSTRUCTION PER CBC SECTIONS 1705.5, 1705.11.1, AND 1705.12.2 INCLUDING NAILING, BOLTING, AND ANCHORING OF ALL DRAG STRUTS; TOP PLATE SPLICES, LEDGER SPLICES, SIMPSON HARDWARE, BRACES, AND HOLDOWNS; AND NAILING, BOLTING, AND ANCHORING OF ALL SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS WHERE THE FASTENER SPACING OF THE SHEATHING IS 4" APART OR LESS.

SOILS PER CBC SECTION 1705.6, TABLE 1705.6, AND THE APPROVED SOILS REPORT INCLUDING SUBGRADE PREPARATION, FOUNDATION BEARING MATERIALS AND DEPTH OF EXCAVATIONS, AND VERIFICATION, PLACEMENT AND TESTING OF CONTROLLED FILL.

DRILLED CONCRETE PIER FOUNDATIONS PER CBC SECTION 1705.8, TABLE 1705.8 AND THE APPROVED SOILS REPORT INCLUDING DRILLING OPERATIONS, PIER SIZE AND EMBEDMENT, END BEARING STRATA CAPACITY, AND PLACEMENT OF REINFORCEMENT AND CONCRETE. ADDITIONAL INSPECTIONS FOR CONCRETE ARE REQUIRED PER CBC SECTION 1705.3, AND AS NOTED ABOVE.

4. ALL BOLTS THAT ARE A PART OF THE SFRS ARE TO BE SLIP CRITICAL WITH CLASS A SPECIAL CASES PER CBC SECTION 1705.1.1 AND PRODUCT ICC REPORTS FOR ALL STRUCTURAL MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN THE CBC OR REFERENCED STANDARDS INCLUDING POST-INSTALLED ANCHOR BOLTS IN CONCRETE AND CMU, AND PRE-MANUFACTURED SHEAR PANELS AND BRACED FRAMES.

DESIGN CRITERIA

RISK CATEGORY:

<u>WIND DATA</u>:

SCOPE:

DESIGN CRITERIA: 2019 CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2 (CBC) AND 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC) FLOOR LIVE LOAD: 50 PSF (REDUCIBLE) 20 PSF (REDUCIBLE) ROOF LIVE LOAD: UTURE SOLAR: 8 PSF

> ULTIMATE WIND SPEED (3 SEC GUST) IN MPH: 102 WIND EXPOSURE: C INTERNAL WIND PRESSURE COEFFICIENT (GCPI) = ±0.18 COMPONENTS AND CLADDING DESIGN PRESSURES FOR SYSTEMS

DESIGNED BY OTHERS SHALL COMPLY WITH THE "ASCE 7-16" DESIGN STANDARD EARTHQUAKE DATA: SEISMIC IMPORTANCE FACTOR, I. 1.5 MAPPED SPECTRAL RESPONSE ACCELERATIONS: S_S = 2.277g; S₁ = 0.880g

> SITE CLASS: C SPECTRAL RESPONSE COEFFICIENTS: S_{DS} = 1.822g; S_{D1} = 0.821g SEISMIC DESIGN CATEGORY: F SEISMIC FORCE RESISTING SYSTEM(S): WOOD FRAMED SHEAR WALLS AND STEEL ORDINARY MOMENT FRAMES RESPONSE MODIFICATION FACTOR(S): R = 6.5, R=3.5

> SEISMIC RESPONSE COEFFICIENT(S), $C_S = 0.420$, $C_S = 0.781$ (ULTIMATE) ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE SEISMIC FORCES ARE REDUCED TO 75% OF CURRENT CODE PER CEBC

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

GENERAL NOTES

. REFER TO SHEETS <u>\$101</u>, <u>\$102</u>, <u>\$103</u>, <u>\$104</u> AND <u>\$105</u> FOR STANDARD DETAILS OF CONSTRUCTION, REFER TO THE PROJECT SPECIFICATIONS FOR MATERIALS AND METHODS.

DESIGN BASE SHEAR: 68k (ASD)

2. BUILDING DIMENSIONS SHOWN ARE FOR GENERAL REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS (SAD) FOR ALL ACTUAL BUILDING DIMENSIONS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER SO CLARIFICATION CAN BE MADE PRIOR TO COMMENCING WORK.

STRUCTURAL DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING

4. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.

5. REFER TO ARCHITECTURAL DRAWINGS FOR SIDEWALK SLABS AND DIMENSIONS.

SYSTEMS WITH THE STRUCTURAL SYSTEM IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. USE DETAILS ON SHEETS \$101 THROUGH \$105. AT CONDITIONS WHERE THESE DETAILS DO NOT APPEAR TO APPLY, NOTIFY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION. AT CONDITIONS WHERE FIELD MODIFICATIONS OF MECHANICAL, ELECTRICAL, PLUMBING, OR SITE UTILITIES AFFECT STRUCTURAL SYSTEMS, NOTIFY STRUCTURAL ENGINEER PRIOR TO

VERIFY WEIGHTS AND LOCATIONS OF MECHANICAL UNITS WITH MECHANICAL ENGINEER PRIOR TO PLACEMENT. UNITS VARYING OVER 10% IN WEIGHT SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION (MECHANICAL WEIGHTS SHOWN ARE MAXIMUM). CONTRACTOR TO VERIFY MECHANICAL UNIT SIZES AND WEIGHTS AS INSTALLED PRIOR TO INSTALLATION OF SPECIAL FRAMING

8. SHORING AND BRACING DESIGN, MATERIALS AND INSTALLATION SHALL BE PROVIDED BY THE GENERAL CONTRACTOR, AND SHALL BE ADEQUATE FOR ALL LOADS. LEAVE IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY AND UNTIL FINAL STRUCTURAL CONSTRUCTION IS COMPLETED. THE CONTRACTOR SHALL

10. VEHICULAR TRAFFIC, HEAVY EQUIPMENT AND MATERIAL STAGING SHALL NOT BE ALLOWED ADJACENT TO ANY RETAINING/BASEMENT WALL, NEW OR EXISTING WITHIN A HORIZONTAL DISTANCE EQUAL TO THE WALL HEIGHT MEASURED FROM THE BOTTOM OF FOOTING OR 5'-0" WHICHEVER IS GREATER, UNLESS APPROVED BY THE STRUCTURAL ENGINEER OR NOTED OTHERWISE. WITHIN THIS ZONE, ONLY HAND-OPERATED EQUIPMENT ("WHACKERS", VIBRATORY PLATES, OR PNEUMATIC

11. STRUCTURAL OBSERVATION PER CBC SECTION 1704.6 IS REQUIRED. NOTIFY ZFA

WOOD SHEAR WALLS, SHEAR PANELS AND FLOOR/ROOF DIAPHRAGMS

COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM. STRUCTURAL WOOD FRAMING.

12. SUBMIT ENGINEERING FOR DEFERRED APPROVAL ITEMS TO ARCHITECT/ENGINEER FOR REVIEW AND SUBMITTAL TO THE BUILDING DEPARTMENT FOR APPROVAL PRIOR TO FABRICATION. DEFERRED APPROVAL ITEMS SHALL BE DESIGNED AND DETAILED BY MANUFACTURER TO ACCOMMODATE HORIZONTAL AND VERTICAL MOVEMENTS AS NOTED IN STRUCTURAL DRAWINGS. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE DIMENSIONS AND DETAILS SHOWN ON THE SHOP DRAWINGS PRIOR TO SUBMITTAL. MANUFACTURER TO PROVIDE DRAWINGS AND CALCULATIONS DESIGNED IN ACCORDANCE WITH THE CBC AND SPECIFICATIONS,

A. ELEVATOR - STRUCTURAL DESIGN AND DRAWINGS OF ELEVATOR GUIDES, RAILS, SUPPORTS, ETC, SHALL BE PROVIDED BY THE ELEVATOR

6. COORDINATION OF MECHANICAL, ELECTRICAL, PLUMBING, AND SITE UTILITY INSTALLATION.

TO ENSURE CORRECT PLACEMENT UNDER CURBS, ETC. SEE 7/S104

ENGAGE A LICENSED CIVIL OR STRUCTURAL ENGINEER TO PROVIDE SHORING.

9. SPECIAL INSPECTIONS ARE REQUIRED PER <u>D/S001</u> AND THE TESTING AND INSPECTION FORM.

COMPACTORS) SHALL BE USED TO COMPACT THE BACKFILL SOILS.

FOR GENERAL ON SITE REVIEW OF:

MINIMUM FOOTING SIZE AND REINFORCING STEEL.

INCLUDING NAILING, BOLTING, ANCHORAGE AND OTHER FASTENING TO OTHER

NOTIFY ZFA FOR REVIEW PRIOR TO COVERING ABOVE LISTED WORK. PROVIDE 2 WORKING DAYS MINIMUM SCHEDULING NOTICE PRIOR TO REVIEW DATE.

PREPARED AND SIGNED BY A CALIFORNIA LICENSED CIVIL OR STRUCTURAL ENGINEER FOR THE FOLLOWING ITEMS, UNLESS NOTED OTHERWISE:

MANUFACTURER/SUPPLIER. CONFORM TO CAL OSHA REQUIREMENTS.

SHEET INDEX S001 GENERAL NOTES AND SPECIFICATIONS 8002 GENERAL NOTES AND SPECIFICATIONS S101 TYPICAL CONCRETE DETAILS S102 TYPICAL CONCRETE GRADE BEAM DETAILS S103 TYPICAL WOOD DETAILS S104 TYPICAL WOOD DETAILS S105 TYPICAL STEEL FRAMING DETAILS S201 FOUNDATION PLAN S202 | SECOND FLOOR FRAMING PLAN 203 ROOF FRAMING PLAN

SHEET INDEX S301 ELEVATIONS & SECTIONS 302 ELEVATIONS & SECTIONS S401 FOUNDATION DETAILS S402 FOUNDATION DETAILS S403 FOUNDATION AND ELEVATOR DETAILS S404 FOUNDATION DETAILS S601 STAIR FRAMING DETAILS S602 SECOND FLOOR DETAILS S603 | SECOND FLOOR DETAILS S604 SECOND FLOOR DETAILS 8605 ROOF DETAILS

ZFA STRUCTURAL ENGINEERS

zfa.com 1390 el camino real | suite 100 650.394.8869 san carlos ca 94070 copyright © 2022 **zfa job no.** 21479

Structural Reviewed

8:39 am. Aug 05, 2022

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

T: (415) 378-9064

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

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

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

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

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

> T: (510) 879-4544 LIST ENGINEERING CO. 2 HARRIS CT STE A7

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

MONTEREY, CA 93940

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

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

> **CONTRA COSTA COUNTY** BUILDING INSPECTION DIVISION BICA22-004407

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO 10:10 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD, & CODES, THE STAMPING

APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE W. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/202
3	50% DESIGN DEVELOPMENT	11/19/20
4	100% DESIGN DEVELOPMENT	12/17/20
5	PERMIT SUBMITTAL	4/01/202
8	PLAN CHECK COMMENTS	7/22/202

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

GENERAL NOTES AND **SPECIFICATIONS**





SPECIAL INSPECTION REQUIREMENTS



(This is intended to be a guide. The registered design professional is still responsible for preparing the statement of special inspections per Section 1704.3)

For this project, list the required inspections for CBC Chapter 17

Permit #: BICA22-004407 Project Address: 217 Arlington Ave., Kensington, Ca 94707

CONSTRUCTION TYPE REQUIRING INSPECTION		LIST OF REQUIRED INSPECTIONS
Special Cases (Section 1705.1.1)	X	Post installed anchors
Steel Construction (1705.2)		Structural steel welding. (Per AISC 360 Tables N5.4-1 thru N5.4-3) Structural steel bolting (Per AISC 360 Tables N5-6.1 thru N5.6-3) Cold-formed steel deck (Per SDI QA/QC) Open-web steel joists and joist girders Cold-form steel trusses spanning 60 feet or greater
Concrete Construction (Section 1705.3)		Inspect reinforcement, including prestressing tendons, and verify placement. Reinforcing bar welding. Inspect anchors cast in concrete. Inspect epoxy anchors. Inspect mechanical anchors. Verify use of required design mix. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. Inspect concrete and shotcrete placement for proper application techniques. Verify maintenance of specified curing temperature and techniques. Inspect prestressed concrete. Inspect erection of precast concrete members. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs. Inspect formwork for shape, location and dimensions of the concrete member being formed. Preconstruction tests for shotcrete (Per 1704.5.4, 1908.5)
Masonry Construction (Section 1705.4)		In accordance with the quality assurance program requirements of TMS 402/ACI 530/ASCE 5 and TMS 602/ACI 530.1/ASCE 6
Wood Construction (Section 1705.5)		High-load diaphragms. Metal-plate-connected wood trusses spanning 60 feet or greater.
Soils (Section 1705.6)		Verify materials below shallow foundations are adequate to achieve the design bearing capacity. Verify excavations are extended to proper depth and have reached proper material. Perform classification and testing of compacted fill materials. Verify use of proper materials, densities, and lift thicknesses. Prior to placement of competed fill, inspect subgrade, and verify that site has been prepared property.
Driven Deep Foundations (Section 1705.7)		Verify element materials, sizes and lengths comply with the requirement. Determine capacities of test elements, and conduct additional load tests as required. Inspect driving operations and maintain complete and accurate records for each element.
CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:10 am, Aug 05, 2022		Verify placement locations, plumbness, type and size of hammer, blows per foot of penetration, and record tip and butt elevations. For steel elements, perform additional special inspections in accordance with Section 1705.2. For concrete elements and concrete-filled elements, perform tests and additional special inspections in accordance with Section 1705.3. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.

REVIEWED

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL.

For this project, list the required inspections for CBC Chapter 17

Cast-in-place Deep Foundations (Section 1705.8)	
	☑ Soils Engineer, ☐ Special Inspector (approved for "PDC"), or
	 □ Engineer of Record (for one and two family dwellings). □ Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes. □ For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3.
Helical Piles (Section 1705.9)	☐ Installation of helical pile foundations
Fabricated Items (Section 1705.10)	Special inspections of fabricated items shall be performed in accordance with Section 1704.2.5.
Wind Resistance (Section 1705.11)	☐ Structural wood ☐ Cold-formed steel light-frame construction ☐ Wind-resisting components
Seismic Resistance (Section 1705.12 & 1705.13)	□ Structural steel ☒ Structural wood □ Cold-formed steel light-frame construction ☒ Designated seismic systems □ Architectural components □ Plumbing, mechanical, and electrical components □ Storage racks □ Seismic isolation systems □ Cold-formed steel special bolted moment frames
Fire Resistive Construction (Section 1705.14)	☐ Spray applied materials (1705.14) ☐ Mastic and Intumescent coatings (1705.15) ☐ Penetrations and joints (1705.17)
Exterior Insulation and Finish Systems (EIFS) (Section 1705.16)	
Testing For Smoke Control (Section 1705.18)	
Structural Observation for seismic resistance	X
Acknowledgements: (Choose one) Owner, Owner,	Design Professional, or ☐ Contractor
Name: Matt Frantz S	Signature: Matt Int Date: 7/22/22



CONTRA COSTA COUNTY DEPARTMENT OF CONSERVATION & DEVELOPMENT **BUILDING INSPECTION DIVISION** 30 Muir Road Martinez, CA 94553

RECOGNIZED SPECIAL INSPECTION AND TESTING AGENCIES

EFFECTIVE 06/06/22 -06/06/23

RC=Reinforced Concrete SS=Structural Steel Welding/Bolting PDC = Piling, Drilled Piers & Caissons

Key

PC=Prestressed/Post-tensioned Concrete FP=Spray-Applied Fireproofing GEF = Grading, Excavation, & Filling

SM=Structural Masonry URM= Unreinforced Masonry Push/Torque Tests Only SWC = Structural Wood

PDC = Piling, Drilled Piers & C	aissons GEF = Grading, Excavation, & Filling					SWC = Structural Wood							
Agency Name	HQ Address	Phone/Fax	RC	PC	SM	SS	FP	URM	PDC	GEF	SWC		
A1 Inspection Services	1754 Mission Street San Francisco, CA 94109	(415) 621-8001 (415) 358-4409	X	X	Х	X	X						
ACE Quality Control	1050 Melody Lane, Suite 160 Roseville, CA 95678	(916) 742-5096	X	X	X	X	X	X	X	X	X		
Achievement Engineering Corp.	2455 Autmnvale Drive, Unit E San Jose, CA 95131	(408) 217-9174 (408) 217-9632	X	X	X	X	X	X	X	X			
Achievement Engineering Corp.	250 King Street, Suite 1108 San Francisco, CA 94107	(800) 653-1397 (408) 217-9632	X	X	Х	X	X	X	X	X			
Achievement Engineering Corp.	5070 North 6 th Street Fresno, CA	(408) 217-1974 (408) 217-9632	X	X	X	X	X	X	X	X			
AECOM Technical Services	300 Lakeside Drive Suite 400 Oakland, CA 94612	(510) 893-3600							X				
AGS Inc.	5 Freelon Street San Francisco, CA 94107	(415) 777-2166 (415) 777-2167	X						X	X			
Alan Kropp & Associates, Inc. (Geotechnical Consultants)	2140 Shattuck Avenue, Suite 910 Berkeley, CA 94704	(510) 841-5095 (510) 841-8357							X	X			
Alta Vista Solutions	6475 Christie Avenue, Suite 425 Emeryville, CA 94608	(510) 594-0510 (510) 5940511	X	X	X	X	X	X					
Applied Materials & Engineering, Inc.	980 41st Street Oakland, CA 94608	(510) 420-8190 (510) 420-8186	X	X	X	X	X	X					
Aries Engineering	5357 Persimmon Grove Ct. San Jose, CA 95123	(408) 634-0087 N/A	X						X	X			
B.S.K. Associates	399 Lindbergh Avenue Livermore, CA 94551	(925) 315-3151 (925) 315-3152	X	X	X	X	X	X	X	X			
BAEZ Geotechnical Group (BGG)	2060 Colorado Ave., Suite B Turlock, CA 95382	(209) 632-3779 (209) 632-3771	X	X	X	X	X	X	X	X			
BAEZ Geotechnical Group (BGG)	1686 Second Street, Suite 205 Livermore, CA 94550	(925) 766-1616	X	X	X	X	X	X	X	X			
BAGG	138 Charcot Avenue San Jose, CA 95131	(650) 852-9133 (650) 852-9138	X	X	X	X	X	X	X	X			
Berlogar Stevens & Assoiciates (BSA)	5587 Sunol Boulevard Pleasanton, CA 94566	(925) 484-0220 (925) 846-9645	X	X									
Biggs Cardosa Associates, Inc.*	1871 The Alameda, Suite 200 San Jose, CA 95126	(408) 296-5515 (408) 296-8114	X	X	X	X		X					
Cal Engineering & Geology, Inc (CE&G)	1870 Olympic Blvd., Suite 100 Walnut Creek, CA 94596	(925) 935-9771 (925) 935-9773	X						X				
Capex Engineering Inc.	74 Shanico Common Fremont, CA 94539	(510) 668-1815 (510) 490-8690	X	X	X	X	X	X					
Consolidated Engineering Labs	2001 Crow Canyon Rd., Ste 100 San Ramon, CA 94583-5387	(925) 314-7100 (925) 855-7140	X	X	X	X	X	X	X	X			
Construction Materials Testing, Inc.	2278-F Pike Court Concord, CA 94520-1252	(925)825-2840 (925)682-7953	X	X	X	X	X	X					
Construction Testing Services	2142 Rheem Drive, Suite E Pleasanton, CA 94588	(925) 462-5151 (925) 462-5183	X	X	X	X	X	X					
Critical Weld Inspections, Inc.	350 West Channel Road Benicia, CA 94510	(707) 297-6795 (510) 217-6179	X	X	X	X	X						
CTE CAL, Inc.	46716 Fremont Blvd. Fremont, CA 94538	(510) 573-6362 (510) 573-6684	X	X	X	X	X	X	X	X			
Dynamic Consultants, Inc	1300 Space Park Way Mountain View, CA 94043	(650) 967-6982 (650) 967-6955	X	X	X	X	X	X					
Earth Systems Consultants	47853 Warm Springs Blvd. Fremont, CA 94539-7400	(510) 353-0320 (510) 353-0344	X	X	X	X	X	X					
ENNGEO Incorporated	Crow Canyon Rd., Suite 200 San Ramon, CA 94583-1545	(925) 838-1600 (925) 838-7425	X	X	X	X	X	X					

Agencies have not been evaluated for geotechnical special inspection or nondestructive testing. Agencies may not be qualified to perform all aspects of special inspection. Agencies may have offices in more than one location. Chief Building Officials may add and/or remove from this list.

^{*} Agency Subcontracts Laboratory Services.

^{**} Inclusion as a recognized special inspection and testing agency is conditional upon receipt of agreement letter with approved concrete testing laboratory.

^{***} Pacific InterWest Building Consultant approved for Shear/Diaphragm Nailing Only.

Agency Name	HQ Address	Phone/Fax	RC	PC	SM	SS	FP	URM	PDC	GEF	SWC
ESI (Earthquake & Structures, Inc.)	6355 Telegraph Ave., Ste. 101 Oakland, CA 94609	(510) 601-1065 (510) 601-1808	X	X	X	X			X		
Forsythe Engineering Consultants*	1760 Industrial Way Suite 1	(707) 259-1292				X	X	X			
, , ,	Napa, CA 94558 6671 Brisa Street	(707) 259-1393 (925) 961-5271									
Geocon Consultants, Inc.	Livermore, CA 94550	(925) 371-5915	X	X	X	X	X	X	X	X	X
HP Inspections	690 Sunol Street, Bldg. H San Jose, CA 95123	(408) 288-8460 (408) 271-0902	X	X	X	X	X	X			
Hultgren – Tillis Engineers	2221 Commerce Avenue, Suite A-1 Concord, CA 94520	(925) 685-6300 (925) 685-6768							X	X	
Inspection Consultants	1515 North C Street Sacramento, CA 95814	(916) 321-5580 (916) 321-5590	X	X	X	X	X	X			
Inspection Consultants	315 14 th Street, Suite 2 Oakland, CA 94612	(510) 635-9211	X	X	X	X	X	X			
Inspection Services Inc.	1798 University Ave Berkeley CA 94703	(415) 243-3265 (415) 243-3266	X	X	X	X	X	X			
KC Engineering Co.	865 Cotting Lane, Suite A Vacaville, CA 95688	(707) 447-4025 (707) 447-4143	X	X	X	X	X	X	X	X	
Kleinfelder Inc.	7133 Koll Center Parkway #100 Pleasanton, CA 94566	(925) 484-1700 (925) 484-2977	X	X	X	X	X	X			
Korbmacher Engineering Inc.	480 Preston Court, Suite B Livermore, CA 94551	(925) 454-9033 (925) 454-9564	X	X	X	X					
Krazan and Associates Inc.	545 Parrott Street San Jose, Ca 95112	(408) 271-2200 (408) 271-2201	X	X	X	X	X	X			
MatriScope, Inc	3102 Industrial Boulevard West Sacramento, CA 95691	(510) 763-3601 (510) 763-1388	X	X	X	X	X	X			
Mid Pacific Engineering, Inc. (MPE)	840 Embarcadero Dr. Ste. 20 West Sacramento, CA 95605	(916) 927-7000 (916) 372-9900	X	X	X	X	X		X	X	
Mid Pacific Engineering, Inc. (MPE)	2915 Innsbruck Dr. Ste. A Redding, CA 96003	(530) 246-9499 (530) 246-9527	X	X	X	X	X		X	X	
Neil O. Anderson and Associates	902 Industrial Way Lodi, CA 95240	(209) 367-3701 (209) 333-8303	X	X	X	X	X				
Nichols Consulting Engineers	501 Canal Blvd, Suite C Point Richmond, CA 94804	(510) 215-3620 (510) 215-2898							X		
Nichols Engineering Consultants*	6743 Dublin Boulevard, #15 Dublin, CA 94568	(925) 829-8090 (925) 829-0235	X	X	X	X	X	X			
Ninyo & Moore	2020 Challenger Drive, Suite 103 Alameda, CA 94501	(510) 343.3000 (510) 343-3001	X	X	X	X	X				
Ninyo & Moore	2149 O'Toole Ave. Suite 30 San Jose, CA 95131	(408) 435-9000 (408) 435-9006	X	X	X	X	X	X	X	X	
Norcon	470 3 rd Street, Ste 105 San Francisco, CA 94107	(415) 692-0519	X	X	X	X	X				
Northbay Inspection and Technical Service (NIS)	2089 West F Street Napa, CA 94558	(707) 738-9369	X	X	X	X	X				
Pacific InterWest Building Consultants***	1600 S. Main Street, Suite 380 Walnut Creek, CA 94596	(925) 939-5500 (925) 939-9561									
Paragon Geotechnical, Inc.	1049 Kimi Way Placerville, CA 95667	(530) 642-2281	X						X	X	
Picot Inspection LLC	1262 62n Ave Oakland, CA 94621	(510) 847-8990 (510) 430-1106	X	X	X	X	X	X			
PJC & Associates**	600 Martin Ave, Suite 210 Rohnert Park, CA 94928	(707) 584-4804 (707) 584-4811	X	X	X	X			X	X	
PSI	365 Victor Street, Suite C Salinas, CA 93907	(831) 757-3536 (831) 757-6265	X	X	X	X	X	X			
Raney Geotechnical Inc.	3140 Beacon Boulevard West Sacramento, CA 95691	(916) 371-0434 (916) 371-1809	X	X	X	X	X	X	X	X	X
Quantum Geotechincal, Inc	6288 San Ignaciao Avenue Ste D San Jose, CA 95119	(408) 629-3822 (408) 629-3825	X	X		X	X	X	X	X	
Quantum Geotechincal, Inc	1110 Burnett Avenue Concord, CA 94520	(925) 788-2751	X	X		X	X	X	X	X	
RES Engineers, Inc.	1250 Misourri Street Ste. 207 San Francisco CA 94107	(415) 822-4625 (415) 822-8925	X	X	X	X	X	X			
RMA Group	5075 Commercial Circle, Unit C Concord, CA 94520	(325) 243-6662 (925) 798-1206	X	X	X	X	X				
Salem Engineering Group, Inc	4055 West Shaw Ave., Suite 110 Fresno, CA 93722	(559) 271-9700 (559) 275-0827	X		X	X	X		X	X	
Signet Testing Laboratories	3121 Diablo Avenue Hayward, CA 94545	(510) 887-8484 (510) 783-4295	X	X	X	X	X	X	X	X	
Smith-Emery Company	PO Box 880550, Hunters Point Shipyard, Bldg. 114 San Francisco, CA 94188	(415) 330-3000 (415) 330-3030	х	X	X	X	X	X			
Stevens, Ferrone & Bailey Engineering Company, Inc.	1600 Willow Pass Court Concord, CA 94520	(925) 688-1001 (925) 688-1005	X	X	X	X	X				
Agencies have not been evaluated for			A:		1	-1:C-1	4		, C		_4:

Agencies have not been evaluated for geotechnical special inspection or nondestructive testing. Agencies may not be qualified to perform all aspects of special inspection. Agencies may have offices in more than one location. Chief Building Officials may add and/or remove from this list.

^{*} Agency Subcontracts Laboratory Services.

** Inclusion as a recognized special inspection and testing agency is conditional upon receipt of agreement letter with approved concrete testing laboratory.

^{***} Pacific InterWest Building Consultant approved for Shear/Diaphragm Nailing Only.

Agency Name	HQ Address	Phone/Fax	RC	PC	SM	SS	FP	URM	PDC	GEF	SWC
Summit Associates	2300 Clayton Road Concord, CA 94520	(925) 363-5560 (925) 36-5511	X	X	X	X	X			X	
T. Makdissy Consulting, Inc.	6280 San Ignacio Ave., Ste M San Jose, CA 95119	(408) 227-8595 (408) 227-1672	X	X	X		X				
TEAM Industrial Services, Inc.	4716 East Second Street Benicia, CA 94510	(707) 748-5800 (707) 748-5804	X	X	X	X	X	X	X	X	
Terracon Consultants, Inc.	18001 W. 106 th St., Ste 300 Olathe, KS 66061	(925) 609-7224 (925) 609-6324	X	X	X	X	X	X	X	X	
Terrasearch Inc.	6840 Via Del Oro, #110 San Jose, CA 95119	(408) 362-4920 (408) 362-4926	X	X	X	X	X	X			
Testing Engineers Inc.	2811 Teagarden Street San Leandro, CA 94577	(510) 835-3142 (510) 834-3777	X	X	X	X	X	X			
Twining Laboratories, Inc.	2527 Fresno Street Fresno, CA 93721	(559) 268-7021 (559) 268-7126	X	X	X	X	X	X			
Valley Inspection Incorporated	326 Woodrow Avenue Vallejo, CA 94591-7302	(707) 552-7037 (707) 552-7022				X					
Wallace Kuhl & Associates, Inc.	3251 Beacon Blvd., Suite 300 3 rd Floor West Sacramento, CA 95691	(916)-372-1434 (916)-372-2565	X	X	X	X	X	X	X	X	
Youngdahl Consulting Group, Inc.	1234 Glenhaven Ct. El Dorado Hills, CA 95762	(916) 933-0633 (916) 933-6482	X	X	X	X	X	X	X	X	

RC=Reinforced Concrete SS=Structural Steel Welding/Bolting PDC = Piling, Drilled Piers & Caissons Key

PC=Prestressed/Post-tensioned Concrete FP=Spray-Applied Fireproofing GEF = Grading, Excavation, & Filling

SM=Structural Masonry URM= Unreinforced Masonry Push/Torque Tests Only

Agencies have not been evaluated for geotechnical special inspection or nondestructive testing. Agencies may not be qualified to perform all aspects of special inspection. Agencies may have offices in more than one location. Chief Building Officials may add and/or remove from this list.

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^{***} Pacific InterWest Building Consultant approved for Shear/Diaphragm Nailing Only.

Special Inspection & Testing Agreement

ACKNOWLEDGEMENTS

Application N	Humber: BICA22-004407	
Project Locat	tion: 217 Arlington Ave., Kensington	n, Ca 94707
	ude name, telephone and fax): $\frac{Bill\;Ha}{A}$	
Return to :	Department of Conservation & Deve Building Inspection Division 30 Muir Road Martinez CA 94553 Attn: Abed Chowdhury, SE	elopment
Owner/Owne	er's Agent: Bill Hansell	
Signature:/	er's Agent: Bill Hansell	Date:07/28/2022
Contractor:		
Signature:		Date:
Project Engin	eer or Architect: Matt Frantz Matt Int	
Signature:	Matt Int	Date:
Special Inspe	ctor or Inspection Agency:	
Signature:		Date:
ACCEPTED FC	OR THE CONTRA COSTA COUNTY BUILDI	NG INSPECTION DEPARTMENT:
Signature:		Date:
	Engineer	

3. ALL SHEATHING NAILS TO BE COMMON WIRE. SEE E/S001 AND SPECIFICATIONS FOR OTHER NAIL REQUIREMENTS.

4. ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS ON PLANS TO HAVE SHEATHING AND PEN NAILING PER SHEAR WALL TYPE 'A'.

5. SHEAR WALL LENGTHS, WHERE NOTED, ARE MINIMUM. DO NOT LOCATE HOLDOWNS FROM THESE DIMENSIONS. SAD FOR ACTUAL WALL LENGTHS.

6. HOLDOWN REFERS TO SIMPSON STRONG TIE CO. HOLDOWNS. INSTALL HOLDOWNS AND REQUIRED POSTS PER 8/S103 AND 9/S103. SEE PLANS FOR OTHER REQUIREMENTS.

7. EDGE NAIL WALL SHEATHING TO STUDS OR POSTS WITH HOLDOWNS.

8. PORTIONS OF INTERIOR WALL SURFACES ADJACENT TO SPECIFIED SHEAR WALLS SHALL BE SHEATHED FOR THE FULL, UNINTERRUPTED LENGTH TO MATCH EXTERIOR WALLS OR WITH GYPSUM BOARD OF THE SAME THICKNESS TO PROVIDE AN EVEN WALL SURFACE FOR FINISH MATERIALS.

9. SHEAR WALLS MORE THAN ONE VERTICAL PANEL IN HEIGHT SHALL HAVE STAGGERED HORIZONTAL OR VERTICAL SPLICE JOINTS.

10. WHERE PANELS ARE APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6"oc ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3x OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.

11. ANCHOR BOLTS (AB) FOR SHEAR WALLS SHALL INCLUDE STEEL PLATE WASHERS, A MINIMUM OF 0.229 INCH BY 3 INCHES SQUARE IN SIZE, BETWEEN THE SILL PLATE AND NUT. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/16" LARGER THAN THE AB DIAMETER AND A SLOT LENGTH NOT TO EXCEED 13/4". PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. PLATE WASHER TO EXTEND WITHIN 1/2" OF SHEAR WALL SHEATHING UNO. PROVIDE OVERSIZED PLATE WASHER OR OFFSET AB AS REQUIRED. AT DOUBLE-SIDED SHEAR WALLS, STAGGER AB AS REQUIRED. AB TO BE PLACED A MINIMUM OF 41/2" AND A MAXIMUM OF 12" FROM ENDS OF ALL SILL PLATES AND AT NOTCHES IN SILL PLATES.

12. NO OPENINGS ARE ALLOWED IN SHEAR WALLS UNLESS SHOWN ON THE STRUCTURAL PLANS. OPENINGS NOTED ARE PER6/S103. COORDINATE ANY OPENINGS NOT SHOWN WITH THE STRUCTURAL ENGINEER.

ADMINISTRATIVE REQUIREMENTS FOR ESSENTIAL SERVICE \ FACILITIES

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

1. APPROVED PLANS AND SPECIFICATIONS PER CAC SECTION 4-207 - APPROVED PLANS AND SPECIFICATIONS SHALL MEAN, PLANS, SPECIFICATIONS, ADDENDA AND CHANGE ORDERS WHICH HAVE BEEN DULY APPROVED BY THE APPROPRIATE ENFORCEMENT AGENCY PURSUANT TO SECTIONS 16013 AND 16016 OF THE HEALTH AND SAFETY CODE AND WHICH ARE IDENTIFIED BY A STAMP BEARING THE NAME OF THE ENFORCEMENT AGENCY. THE IDENTIFICATION NUMBER. THE DATE AND SIGNATURE OF THE QUALIFIED REVIEWER AS REQUIRED IN SECTION 16011 OF THE ESSENTIAL SERVICES BUILDING SEISMIC SAFETY ACT OF 1986 (ACT).

2. OBSERVATIONS OF WORK PER CAC SECTION 4-211 (a) - THE OBSERVATION OF WORK OF CONSTRUCTION, RECONSTRUCTION, ALTERATION OR ADDITION SHALL BE UNDER THE GENERAL RESPONSIBLE CHARGE OF THE ARCHITECT, STRUCTURAL ENGINEER, CIVIL ENGINEER OR, UNDER CERTAIN CONDITIONS, A REGISTERED MECHANICAL OR ELECTRICAL ENGINEER FOR WORK INVOLVING ONLY THOSE RESPECTIVE BRANCHES OF ENGINEERING. A GEOTECHNICAL ENGINEER SHALL PROVIDE THE OBSERVATIONS FOR PLACEMENT OF FILLS AND SHALL SUBMIT A VERIFIED REPORT ATTESTING TO THE COMPLIANCE OF THE ENGINEERED FILL.

3. PROJECT INSPECTOR PER CAC SECTION 4-211 (b) - THE OWNER MUST PROVIDE FOR AND REQUIRE COMPETENT. ADEQUATE AND CONTINUOUS INSPECTION OF ALL CONSTRUCTION WORK BY A PROJECT INSPECTOR APPROVED FOR EACH INDIVIDUAL PROJECT BY THE ENFORCEMENT AGENCY.

4. SPECIAL INSPECTION PER CAC SECTION 4-211 (c) - SPECIAL INSPECTION BY INSPECTORS SPECIALLY APPROVED BY THE ENFORCEMENT AGENCY MAY BE REQUIRED PER THE STATEMENT OF SPECIAL INSPECTION FORM AND AS SUMMARIZED PER D/S0.1.

5. SUPERVISION OF CONSTRUCTION BY THE ENFORCEMENT AGENCY PER CAC SECTION 4-212 - DURING THE CONSTRUCTION, RECONSTRUCTION, REPAIR, ALTERATION OF OR ADDITION TO ANY ESSENTIAL SERVICES BUILDING. THE ENFORCEMENT AGENCY AS PROVIDED IN THE ACT SHALL MAKE SUCH SITE VISITS AND OBSERVATIONS AS IN ITS JUDGMENT IS NECESSARY OR PROPER FOR ENFORCEMENT OF THE ACT AND THE PROTECTION OF THE SAFETY OF THE OCCUPANT OF THE BUILDING AND THE PUBLIC.

6. TESTING PER CAC SECTION 4-213 (a) - GENERAL. TESTS OF MATERIALS ARE REQUIRED AS SET FORTH IN THE APPROVED PLANS AND SPECIFICATIONS AND IN PART 2, TITLE 24, CCR AND D/S0.1. A LIST OF ALL REQUIRED TESTS OF MATERIALS AND OF ALL REQUIRED SPECIAL INSPECTIONS SHALL BE PREPARED AND SUBMITTED BY THE ARCHITECT, STRUCTURAL ENGINEER, OR CIVIL ENGINEER IN GENERAL RESPONSIBLE CHARGE OF THE PROJECT AT THE TIME THE PLANS AND SPECIFICATIONS ARE STAMPED FOR IDENTIFICATION BY THE ENFORCEMENT AGENCY.

7. VERIFIED REPORTS PER CAC SECTION 4-214 - ALL PARTIES DEFINED IN SECTION 4-214 SHALL SUBMIT VERIFIED REPORTS TO THE ENFORCEMENT AGENCY. THESE REPORTS SHALL STATE THAT THE WORK DURING THE PERIOD COVERED BY THE REPORT HAS BEEN PERFORMED AND MATERIALS HAVE BEEN USED AND INSTALLED IN EVERY MATERIAL RESPECT IN COMPLIANCE WITH THE DULY APPROVED PLANS AND SPECIFICATIONS.

8. CHANGES IN THE APPROVED PLANS AND SPECIFICATIONS PER CAC SECTION 4-215 - ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS EXCEPT WHERE DOCUMENTS AUTHORIZING CHANGES HAVE BEEN SUBMITTED BY THE RESPONSIBLE ARCHITECT OR REGISTERED ENGINEER TO THE ENFORCEMENT AGENCY FOR REVIEW AND APPROVAL. THESE DOCUMENTS SHALL DESCRIBE THE AUTHORIZED CHANGES, SHOW THE INCREASE OR DECREASE IN THE CONTRACT COST INVOLVED AND SHALL CONTAIN THE SIGNATURES OF THE RESPONSIBLE ARCHITECT OR REGISTERED ENGINEER AND THE OWNER AND SHALL BEAR THE APPROVAL STAMP OF THE ENFORCEMENT AGENCY.

9. FINAL CERTIFICATION OF COMPLIANCE PER CAC SECTION 4-216 - THE CERTIFICATION OF COMPLIANCE FOR THE ESSENTIAL SERVICES BUILDING SHALL BE ISSUED BY THE ENFORCEMENT AGENCY WHEN THE PROJECT HAS BEEN COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS AS TO SAFETY OF DESIGN AND CONSTRUCTION WITH SECTION 16000-16023 OF THE HEALTH AND SAFETY CODE (ESSENTIAL SERVICES BUILDING SEISMIC SAFETY ACT) AND WITH THE REQUIREMENTS OF THE CAC. THE CERTIFICATION OF COMPLIANCE WILL BE EVIDENCED BY A LETTER OR A CERTIFICATE OF OCCUPANCY EACH OF WHICH SHALL CONTAIN A STATEMENT THAT THE BUILDING DESIGN AND REVIEW OF THE WORK OF CONSTRUCTION HAVE BEEN COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 16000 THROUGH 16023 OF THE HEALTH AND SAFETY CODE AND OF PART 1, TITLE 24, CCR. THE CERTIFICATE OF COMPLIANCE WILL BE DIRECTED TO THE OWNER OF THE ESSENTIAL SERVICES BUILDING.

10. DUTIES PER CAC 4-217 THROUGH 4-220 - EACH PARTY, AS DEFINED IN THESE SECTIONS, SHALL COMPLY WITH THE DUTIES STATED IN EACH SECTION.

MATERIAL DATA

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

CONCRETE 28-DAY MINIMUM DESIGN STRENGTH: F'_c = 3,000 PSI FOUNDATIONS F'_c = 3,000 PSI DRILLED PIERS F'_c = 3,000 PSI INTERIOR SLAB ON GRADE

REINFORCING STEEL: ASTM A615 GRADE 60 OR A706 GRADE 60 (F_v = 60,000 PSI)

STRUCTURAL STEEL (UNO): W SHAPES - ASTM A992 (Fy = 50,000 PSI)

ANGLES, CHANNELS, AND PLATES - ASTM A36 (Fy = 36,000 PSI) RECTANGULAR HSS - ASTM A500 GRADE C (Fy = 50,000 PSI) ROUND HSS - ASTM A500 GRADE C (Fy = 46,000 PSI) PIPES - ASTM A53 GRADE B (Fy = 35,000 PSI)

FASTENERS:

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

WOOD BASE DESIGN STRESSES (UNO):

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

GLUE-LAMINATED WOOD DESIGN STRESSES:

 $F_b = 2,400 \text{ PSI}, F_v = 265 \text{ PSI FOR SIMPLE SPAN BEAMS}.$

MANUFACTURED WOOD PRODUCTS:

LVL (JOISTS) $F_{b} = 2,600 \text{ PSI}$ $E = 2.0x10^6 PSI$ $F_{b} = 1,700 \text{ PSI}$ $E = 1.3x10^6 PSI$ LSL (BLOCKING, LEDGERS) PSL (BEAMS, JOISTS) $F_{b} = 2,900 \text{ PSI}$ $E = 2.2x10^6 PSI$ $E = 1.8x10^6 PSI$ PSL (POSTS) $F_c = 2,500 \text{ PSI}$ (PARALLEL)

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

EXISTING CONSTRUCTION NOTES

1. IN PREPARING THE PROJECT PLANS, THE SOURCE OF INFORMATION WAS BASED ON THE EXISTING BUILDING PLANS PREPARED BY, JEFFRIES LYONS AND HILL ARCHITECTS, DATED SEPTEMBER 19, 1969. THE CONTRACTOR SHALL VERIFY ALL EXISTING JOB CONDITIONS, REVIEW THE PLANS AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ALL DISCREPANCIES AND EXCEPTIONS BEFORE PROCEEDING WITH ANY WORK. DRAWINGS FOR THE EXISTING CONSTRUCTION ARE AVAILABLE FOR REVIEW.

2. ALL WORK NOT INDICATED AS EXISTING (E) SHALL BE ASSUMED TO BE NEW (N).

3. ANY REMOVAL, CUTTING, DRILLING, ETC OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE. SMALL TOOLS SHALL BE USED IN ORDER NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE STRUCTURE. IF STRUCTURAL MEMBERS OR MECHANICAL, ELECTRICAL, OR ARCHITECTURAL ELEMENTS NOT INDICATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT/ENGINEER SHALL BE IMMEDIATELY NOTIFIED AND PRIOR APPROVAL SHALL BE OBTAINED BEFORE REMOVAL OF THE MEMBERS.

4. DO NOT OVER CUT EXISTING WOOD, CONCRETE, MASONRY OR OTHER WORK TO REMAIN. CUTS SHALL BE MADE NEATLY TO A CORNER, THEN ALTERNATE MEANS SHALL BE USED TO REMOVE REMAINING MATERIAL. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF OVER CUT MATERIAL AS DIRECTED BY THE ARCHITECT AND/OR ENGINEER.

5. EXISTING DAMAGED STRUCTURAL MEMBERS WHICH ARE UNCOVERED SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND REPAIR.

6. EXISTING CONCRETE SURFACE ABUTTING NEW CONCRETE SHALL BE ROUGHENED TO 1/4" AMPLITUDE AND THOROUGHLY CLEANED OF DUST, LOOSE AGGREGATE, LAITANCE, ETC.

7. EXISTING REINFORCING AND/OR STEEL EMBEDS THAT ARE EXPOSED DURING DEMOLITION SHALL BE WIRE-BRUSHED AND FOREIGN MATERIAL REMOVED PRIOR TO PLACEMENT OF NEW CONCRETE.

8. REMODELING REQUIRES ASSUMPTIONS BE MADE REGARDING EXISTING CONDITIONS WHICH MAY NOT BE VERIFIABLE WITHOUT DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF THE STRUCTURE. THIS ANALYSIS DOES NOT MAKE ANY GUARANTEE TO THE ADEQUACY OF THE STRUCTURAL DESIGN OF THE EXISTING BUILDING NOT SPECIFICALLY ADDRESSED IN THE STRUCTURAL CALCULATIONS. ZFA SHALL NOT BE RESPONSIBLE FOR UNSATISFACTORY PERFORMANCE OF EXISTING PORTIONS OF THE STRUCTURE NOT SPECIFICALLY ADDRESSED IN THE CONSTRUCTION DOCUMENTS.

9. DIFFERENTIAL SETTLEMENT BETWEEN NEW AND EXISTING CONSTRUCTION AT REMODEL OR ADDITION FOUNDATION INTERFACES CAN BE EXPECTED. ZFA SHALL NOT BE RESPONSIBLE FOR UNSATISFACTORY PERFORMANCE RESULTING FROM THESE CONDITIONS.

> CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

10:11 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD, & CODES, THE STAMPING

APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE W. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF

ZFA STRUCTURAL ENGINEERS

1390 el camino real | suite 100 650.394.8869 san carlos ca 94070 copyright © 2022 **zfa job no.** 21479

> Structural Reviewed 8:39 am. Aug 05. 2022

zfa.com

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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

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

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

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

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

2 HARRIS CT STE A7

MONTEREY, CA 93940

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

T: (415) 255-9140

T: (415) 826-9626

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

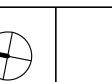
DESCRIPTION DATE PRELIMINARY SCHEMATIC PRICING SET 9/27/2021 50% DESIGN DEVELOPMENT 11/19/2021 100% DESIGN DEVELOPMENT 12/17/2021 PERMIT SUBMITTAL 4/01/2022 PLAN CHECK COMMENTS 7/22/2022

21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

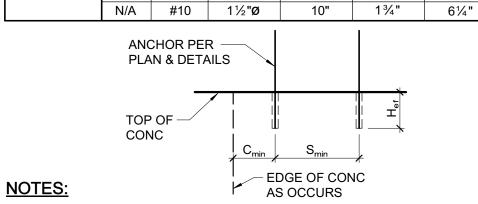
DESCRIPTION

JOB NO.

GENERAL NOTES AND **SPECIFICATIONS**



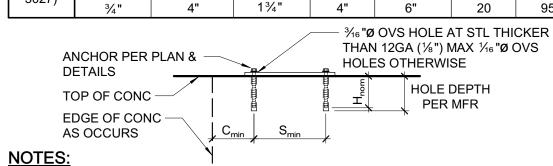
ADHESIVE	ANC	HOR	HOR PILOT		MIN EDGE	MIN	MIN CONC
TYPE	THRD ROD	REBAR	HOLE	EMBED UNO H _{ef}	DISTANCE C _{min}	SPCG S _{min}	DEPTH H _{min}
	3/8 "Ø	#3	½ "ø	3"	1¾"	3"	H _{ef} + 2½"
	½" Ø	#4	%" Ø	4"	13/4"	3"	H _{ef} + 31// ₈ "
SIMPSON	5⁄8 "Ø	#5	³/₄ "Ø	5"	13/4"	3"	H _{ef} + 3¾"
SET-XP (ICC-ESR	3/4 "Ø	#6	7∕8 "Ø	6"	1¾"	3"	H _{ef} + 4%"
2508)	7∕8 "Ø	#7	1"Ø	7"	1¾"	3"	H _{ef} + 4"
,	1"Ø	#8	11/8 "ø	8"	1¾"	3"	H _{ef} + 5%"
	1¼"ø	#10	1% "ø	10"	2¾"	6"	H _{ef} + 6 1/8 "
	3% "Ø	N/A	7∕₁6 "Ø	3"	1¾"	1%"	
	N/A	#3	½ "Ø	3"	1¾"	1%"	H _{ef} + 1½"
HILTI HIT-	½" ø	N/A	%16 "Ø	4"	1¾"	2½"	
HY 200R	N/A	#4	5∕8 "Ø	4"	1¾"	2½"	
(ICC-ESR	5% "ø	#5	³⁄4 "Ø	5"	1¾"	31/8"	H _{ef} + 1½"
3187)	3/4 "Ø	#6	7∕8 "Ø	6"	1¾"	3¾"	H _{ef} + 1¾"
	7∕8 "ø	#7	1"Ø	7"	1¾"	4%"	H _{ef} + 2"
	1"Ø	#8	11/8 "Ø	8"	1¾"	5"	H _{ef} + 21/4"
	N/A	#9	1%"Ø	9"	1¾"	5%"	11 . 03/1
	1¼"ø	N/A	1%"Ø	10"	1¾"	61/4"	H _{ef} + 2¾"
	N/A	#10	1½"Ø	10"	13/4"	6¼"	H _{ef} + 3"



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

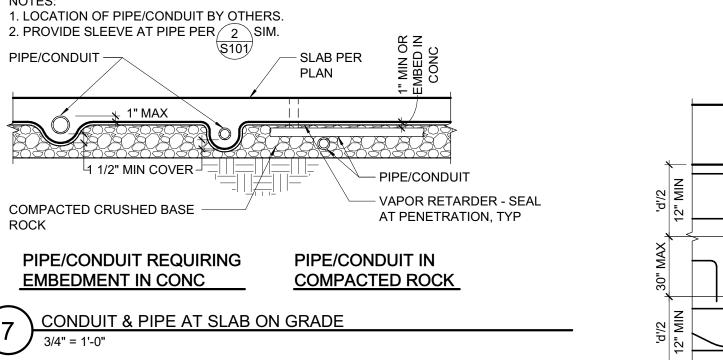


SCREW ANCHOR IN 2500 PSI MIN CONCRETE									
ANCHOR TYPE	ANCHOR AND PILOT HOLE DIA	MINIMUM EMBEDMENT H _{nom}	MINIMUM EDGE DIST C _{min}	MINIMUM SPCG S _{min}	MINIMUM CONCRETE THICKNESS H _{min}	INSTALL	MAXIMUM INSTALL TORQUE (FT-LB)		
	1/4"	1%"	1½"	1½"	31/4"	10	24		
	3/8"	2½"	13/4"	3"	4"	10	50		
SIMPSON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



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

SCREW ANCHOR IN CONCRETE



SLAB, CURB OR STEMWALL TIES OR VERT REINF SHALL FTG REINF PER PLAN -EXTEND FULL HT AT STEPS **REINF BARS** TO BE SAME SIZE & NUMBER AS TYP REINF 3" CLR REINF W/ STD HK TYP AT EACH STEP. SIZE TO BE SAME AS FTG BOT REINF REMOVE ALL EARTH LOOSENED DURING

EXCAVATION AND FILL W/ CONCRETE.

2" MIN -

COVER AT

ADHESIVE

ANCHOR

3/4" = 1'-0"

10'-0" MAX COORD W/ EQUIP LAYOUT HOUSEKEEPING PAD AS REQD, 14 BOLT SMD & SED FOR LOC & EXTENT & THICKNESS DIA 6" MIN #4 @ 16"oc EW -#4 18" @ 24"oc IN LIEU OF - BOLT AT EQUIP AT MID-DEPTH ANCHORAGE ADHESIVE ANCHORS AT #4 CONT — **CONTRACTORS OPTION** ROUGHEN TO -3" EMBED -1/4" AMPLITUDE CONC SLAB PER PLAN AT ADHESIVE ANCHOR, SEE TYP SLAB REINF ——

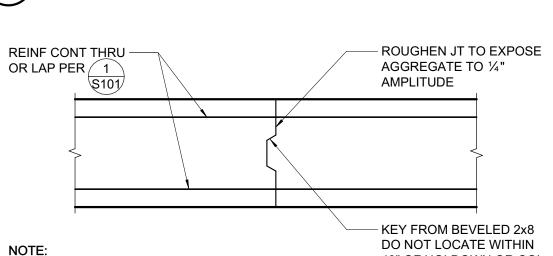
— THICKEN SLAB AS REQD

TYPICAL HOUSEKEEPING PAD AT SLAB ON GRADE

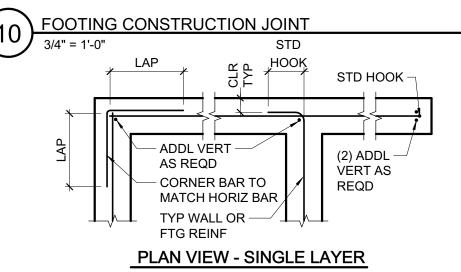
- #4x ADHESIVE ANCHOR

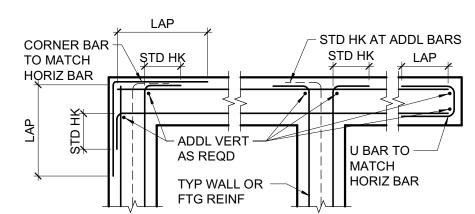
@ 24"oc TYP AT PERIMETER

((3) MIN ES)

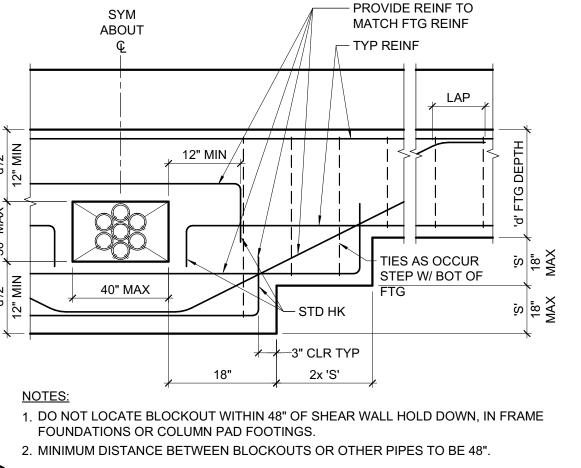


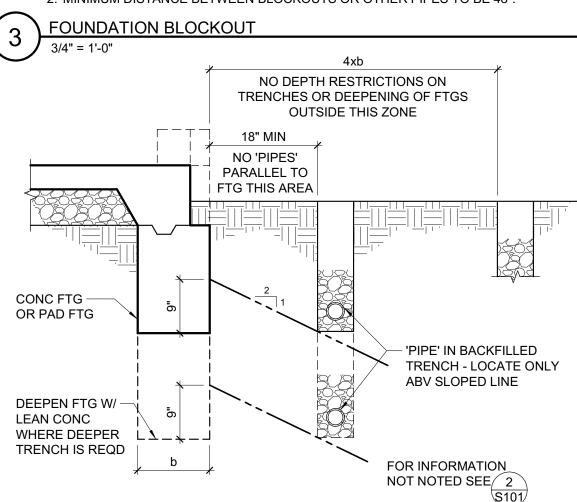
48" OF HOLDOWN OR COL LOCATION OF JOINTS TO BE SUBMITTED TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACEMENT OF CONCRETE

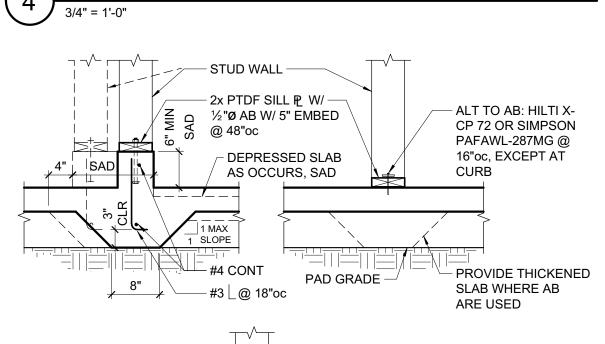




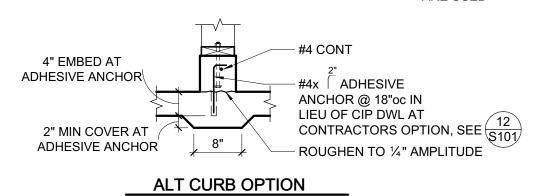
PLAN VIEW - 2 OR MORE LAYERS FOOTING REINFORCING AT CORNER AND INTERSECTION TO BE SIMILAR TYPICAL CORNER, INTERSECTION AND END REINFORCING



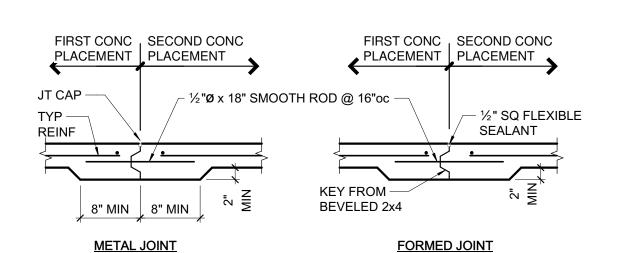




TRENCHING ADJACENT TO FOOTING



NON-BEARING STUD WALL AT SLAB



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

SLAB ON GRADE JOINTS

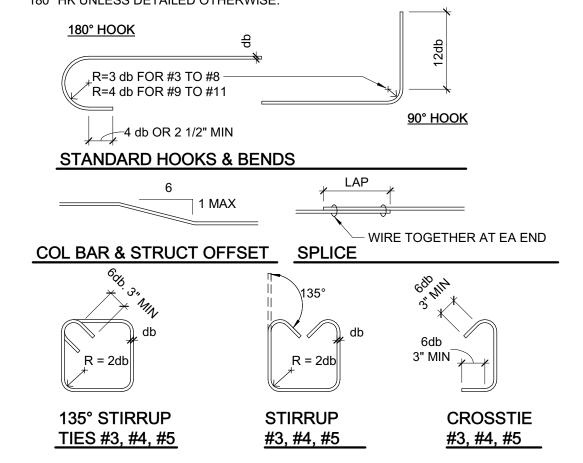
CONSTRUCTION/DOWEL JOINT

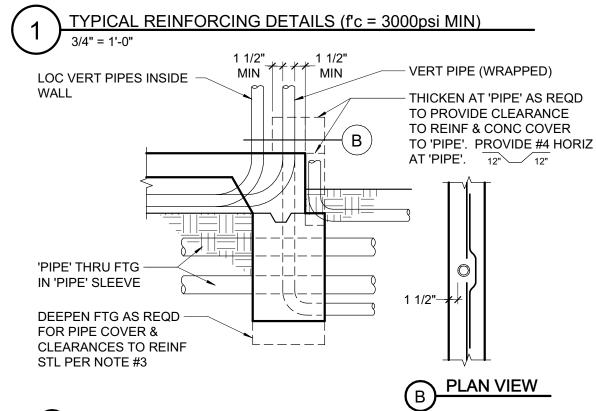
001101	MINIMUM BAR LAPS FOR REINFORCING STEEL CONCRETE STRENGTH: 3000 PSI OR GREATER - (STAGGER SPLICES)								
CONC	RETE STRENGT	H: 3000 P	STOR GREATER	R - (STAGE	ER SPLICES)				
SIZE	LAP LENGTH	SIZE	LAP LENGTH	SIZE	LAP LENGTH				
#3	17"	#6	34"	#9	86"				
#4	24"	#7	56"	#10	105"				
#5	34" X	#8	70"	#11	126"				

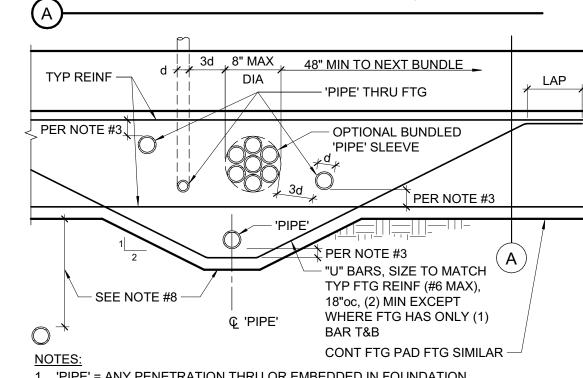
(CLASS B TOP BAR) BAR SPCG SHALL NOT BE LESS THAN 4x BAR DIA OR 4". * WHERE COVER NOT LESS THAN 1½", #5 LAP LENGTH = 28"

CONC COVER FOR REINF STL CAST AGAINST EARTH OR GR EXPOSED TO EARTH (FORMED) OR WEATHER #5 & SMALLER-#6 & LARGER -NOT EXPOSED TO EARTH OR WEATHER #5 & SMALLER-#6 & LARGER, & ALL BM STIRRUPS, COL TIES & SPIRALS - - - - - 11/2"

ALL REINF SHALL EXTEND AS FAR AS POSSIBLE. WHERE BAR SPLICES ARE REQUIRED. BARS SHALL BE LAPPED PER SCHEDULE ABOVE UNLESS DETAILED OTHERWISE. WHERE REINF TERMINATES AT END OF MEMBER, REINF SHALL END IN A STD 90° OR 180° HK UNLESS DETAILED OTHERWISE.







1. 'PIPE' = ANY PENETRATION THRU OR EMBEDDED IN FOUNDATION. 2. ALL PIPES THROUGH FOOTINGS TO BE WRAPPED OR SLEEVED AS FOLLOWS: a. SLEEVES: PROVIDE 1" MIN CLEAR ALL AROUND O.D. PIPE TO I.D. SLEEVE, UNO.

SEAL SLEEVE ENDS W/ MASTIC OR PLASTIC BITUMINOUS CEMENT. b. WRAPPED VERTICAL PIPES: PROVIDE 1/8" NOMINAL SHEET FOAM W/ (3) WRAPS

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

d. UNDERGROUND FIRE LINES 4" AND LARGER:

1. SLEEVES: PROVIDE 2" MIN CLEAR ALL AROUND O.D. PIPE TO I.D. SLEEVE. SEAL ENDS PER ABOVE. 2. WRAPPED: PROVIDE 1/8" NOMINAL SHEET FOAM W/ (16) WRAPS MINIMUM.

3. WRAPPED AND SLEEVED PIPES SHALL HAVE 1½" MIN CLEAR TO REINF STEEL. MINIMUM CONCRETE COVER AT PIPES TO BE 3".

4. CLEARANCE BETWEEN 'PIPES' TO BE 3d MIN TYP W/ A MAXIMUM OF (8) PIPES PER 48". GROUPS OF PIPES MAY BE BUNDLED AS SHOWN, EXCEPT IN PAD FOOTINGS. 5. NO 'PIPE' TO RUN PARALLEL IN FOOTINGS, STEM OR CURB.

6. PVC CONDUIT ('PIPE') EMBEDDED IN CURB/STEM MAY BE WIRE TIED TO HORIZONTAL 7. NO HORIZONTAL PIPES ALLOWED THROUGH FOOTING WITHIN 2'-0" EACH SIDE OF HOLDOWNS OR STEEL COLUMNS.

PROVIDE 18" MIN OF COMPACTED FILL ABOVE PIPES UP TO 12"Ø, FOR LARGER PIPES 8. INCREASE COMPACTED FILL DEPTH 1'-0" FOR EACH 6" INCREASE IN PIPE DIAMETER. OTHERWISE DEEPEN FOOTING AS SHOWN.

PIPES THRU FOOTING

ZFA STRUCTURAL ENGINEERS 1390 el camino real | suite 100 650.394.8869

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> Structural Reviewea By: Kristen Palenchar 8:39 am, Aug 05, 2022

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

CONTACT: RON BLUE

CONTACT: PETER MCDONALD T: (415) 255-9140 ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26

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

CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

10:11 am, Aug 05, 2022 REVIEWED

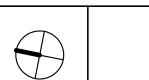
FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE By: ROSALINA ACUFF

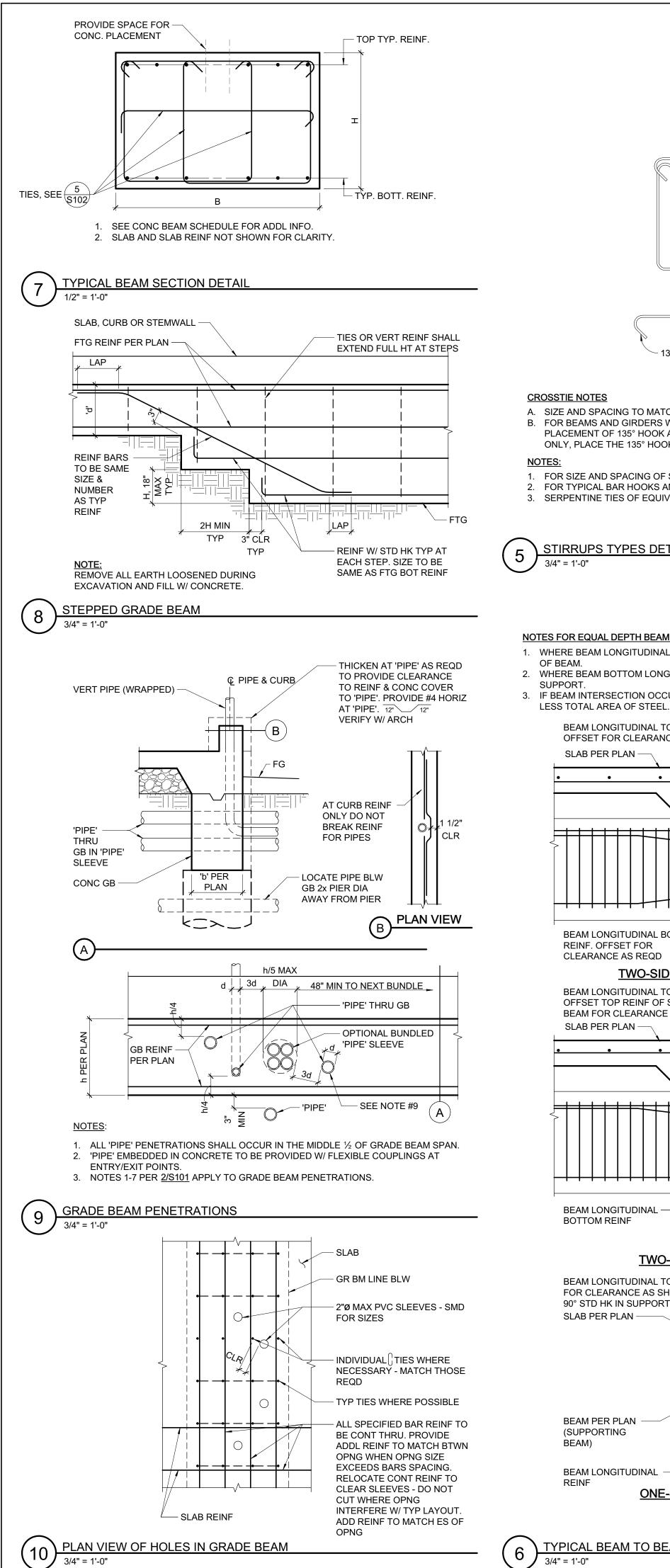
NO.	DESCRIPTION	DAT
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2
3	50% DESIGN DEVELOPMENT	11/19/2
4	100% DESIGN DEVELOPMENT	12/17/2
5	PERMIT SUBMITTAL	4/01/2
8	PLAN CHECK COMMENTS	7/22/2

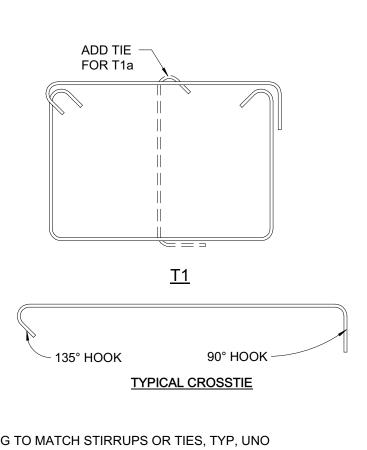
JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

TYPICAL CONCRETE **DETAILS**





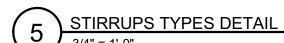


A. SIZE AND SPACING TO MATCH STIRRUPS OR TIES, TYP, UNO

B. FOR BEAMS AND GIRDERS WHERE SLAB OCCURS ON BOTH SIDES OF MEMBER, ALTERNATE PLACEMENT OF 135° HOOK AT EACH CONSECUTIVE CROSSTIE. WHERE SLAB OCCURS ON ONE SIDE ONLY, PLACE THE 135° HOOK ON THE SIDE WITHOUT SLAB AT EACH CONSECUTIVE CROSSTIE.

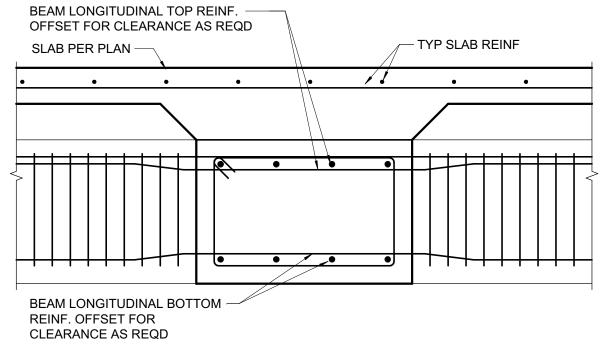
1. FOR SIZE AND SPACING OF STIRRUPS SEE SCHEDULE.

2. FOR TYPICAL BAR HOOKS AND BENDS SEE TYPICAL DETAILS. 3. SERPENTINE TIES OF EQUIVALENT CONFIGURATION ARE STRUCTURALLY ACCEPTABLE.

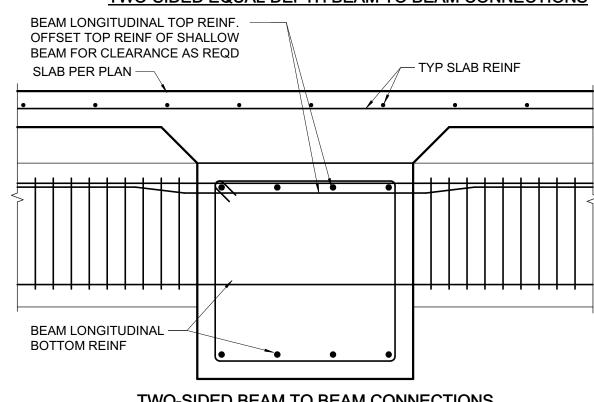


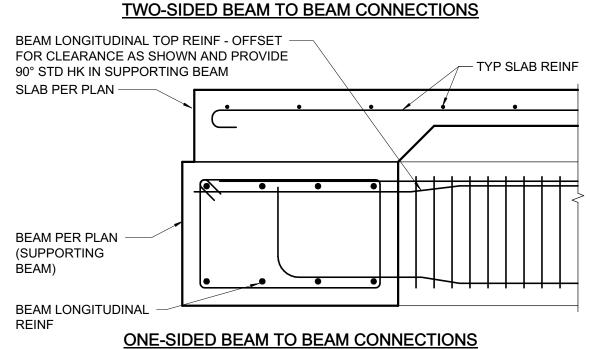
NOTES FOR EQUAL DEPTH BEAM CONNECTIONS:

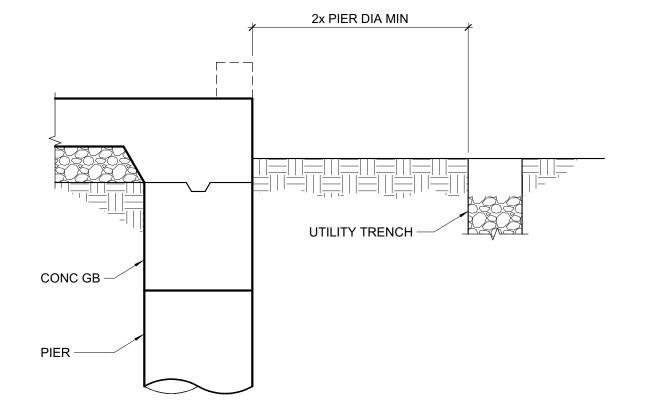
- 1. WHERE BEAM LONGITUDINAL TOP REINF CONFLICTS, OFFSET GROUP OF BARS CLOSEST TO MIDSPAN
- 2. WHERE BEAM BOTTOM LONGITUDINAL REINF CONFLICTS, OFFSET GROUP OF BARS CLOSEST TO
- 3. IF BEAM INTERSECTION OCCURS AT SAME LOCATION IN BOTH BEAMS OFFSET GROUP OF BARS WITH



TWO-SIDED EQUAL DEPTH BEAM TO BEAM CONNECTIONS





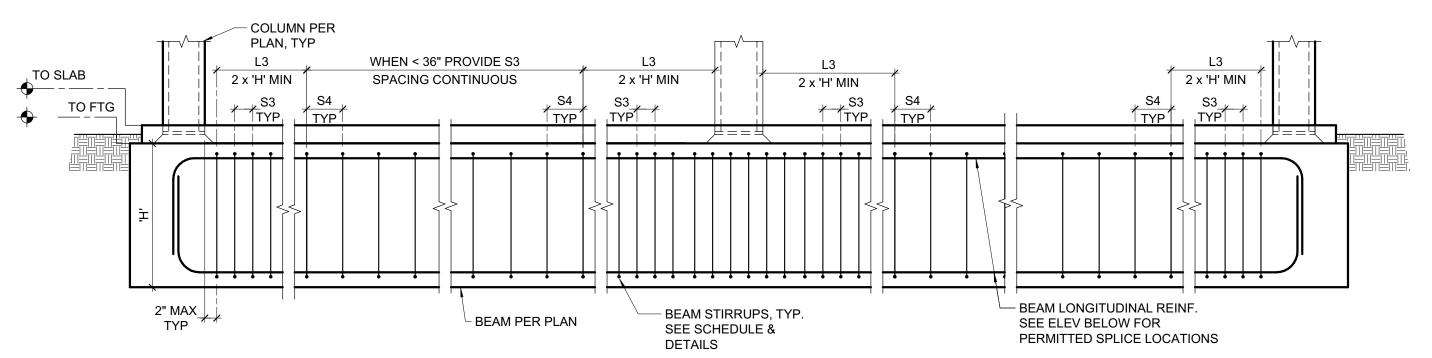


TRENCHING ADJACENT TO GRADE BEAM

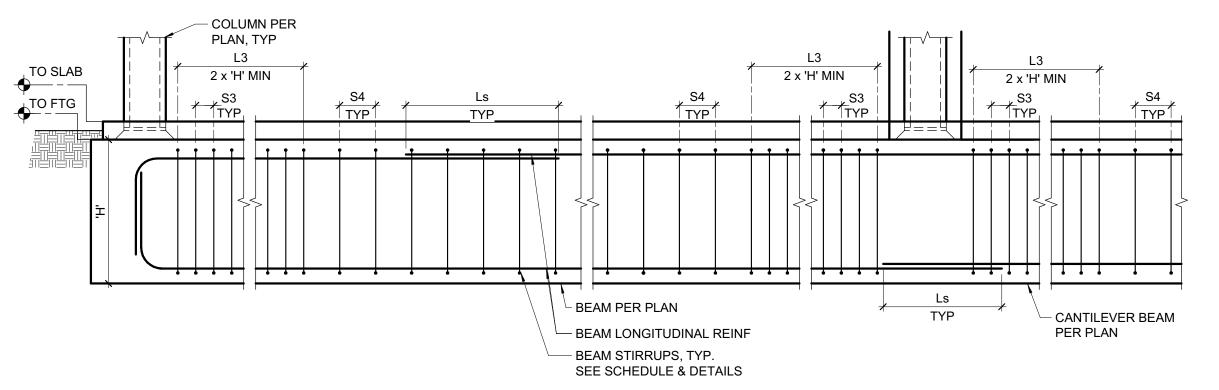
				CON	NCRETE	E GRAI	DE BEA	M (GB) SCHE	DULE			
LONGITUDINAL REINFORCEMENT STIRRUPS AND TIES													
MARK			ВОТ	ТОМ	TC)P				SPAG	CING		
WARK	В	Н	TYP	ADD	TYP	ADD "A"	SIDE BARS	TYP	SIZE	S3	S4	LENGTH L ₃	REMARKS
GB24	24"	24"	(3)-#5	-	(3)-#5	-	-			10"	10"	FULL	
GB24A	24"	30"	(4)-#8	-	(4)-#8	-	-			6"	10"	5'	135° HK ES
GB30	30"	30"	(5)-#6	-	(5)-#6	-	-	T1	#4	10"	10"	FULL	
GB24B	24"	24"	(3)-#5	-	(3)-#5	-	-			6"	10"	4'	135° HK ES
GB24C	24"	24"	(4)-#7	-	(4)-#7	-	-			10"	10"	FULL	
9.18274£S	24"	36"	(4)-#9	-	(4)-#9	-	-			4"	10"	5'	135° HK ES

- 2. ALL BEAM LONGITUDINAL REINF TO BE ASTM A706. 3. FOR TYPICAL GRAVITY COLUMN TO BEAM CONNECTION, SEE 5/S401.
- 4. FOR TYPICAL BEAM TO BEAM INTERSECTION, SEE 6/S102

CONCRETE BEAM SCHEDULE

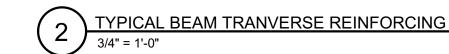


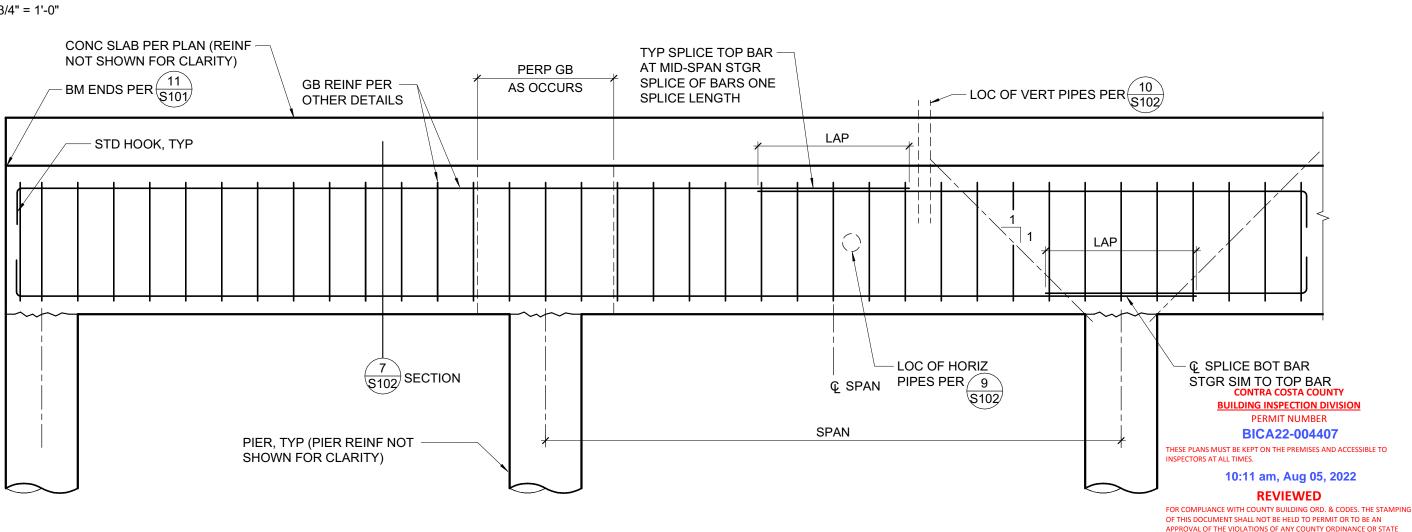
TYPICAL ELEVATION AT GRADE BEAM SUPPORTING GRAVITY COLUMN



TYPICAL GRADE BEAM ELEVATION

- 1. LAP TOP BEAM LONGITUDINAL BARS AT MIDSPAN & BOTTOM BARS OVER SUPPORTS. SEE 1/S101 FOR LAP LENGTHS.
- 2. BEAM LONGITUDINAL BARS TO BE TERMINATED WITH 90° STANDARD HOOK UNLESS DETAILED OTHERWISE. 3. WHERE BAR EXTENSIONS ARE NOTED IN PLAN OR IN OTHER SPECIFIC DETAILS THIS LENGTH GOVERNS.
- 4. COLUMN TIES AND LONGITUDINAL REINF TO EXTEND THROUGH BEAM COLUMN JOINT.





GRADE BEAM REINFORCING SPLICE DETAIL

ZFA STRUCTURAL ENGINEERS

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Structural Reviewed By: Kristen Palenchar 8:39 am, Aug 05, 2022

650.394.8869

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PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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> SAN FRANCISCO, CA 94103 CONTACT: PETER MCDONALD T: (415) 255-9140

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021
5	PERMIT SUBMITTAL	4/01/2022
8	PLAN CHECK COMMENTS	7/22/2022
	10	

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

TYPICAL CONCRETE **GRADE BEAM DETAILS**



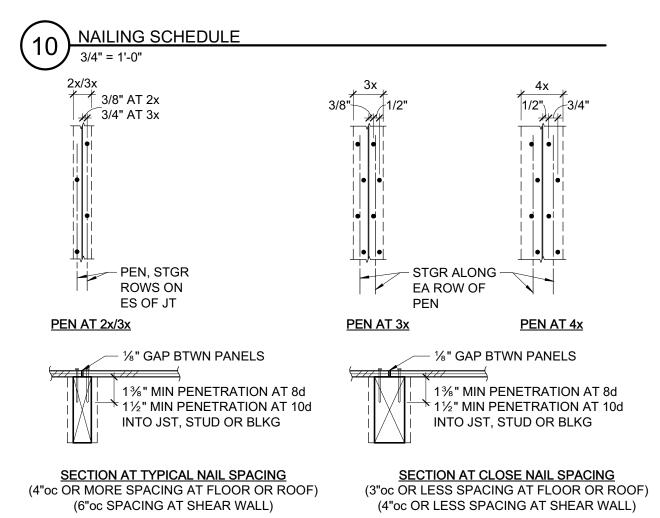
LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

2x BLKG AT ALL UNSUPPORTED -EDGES, 3x BLKG AS REQD PER AB TO OCCUR WITHIN SW SCHED AND WHERE SHTG MIDDLE THIRD OF SILL P., OCCURS ON ES OF WALL INCREASE P WASHER SIZE AS REQD 1/2" MAX CLR, P WASHER EDGE TO INSIDE FACE OF SILL P SIZE, AB SIZE, AND SHTG AB SPCG PER SW SCHED, GALV P WASHER MIN 0.229" x 3" SQ _____ **BOT OF WALL CONDITION** VARIES, SEE PLAN **SECTION**

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

SCHEMATIC SHEAR WALL CONSTRUCTION

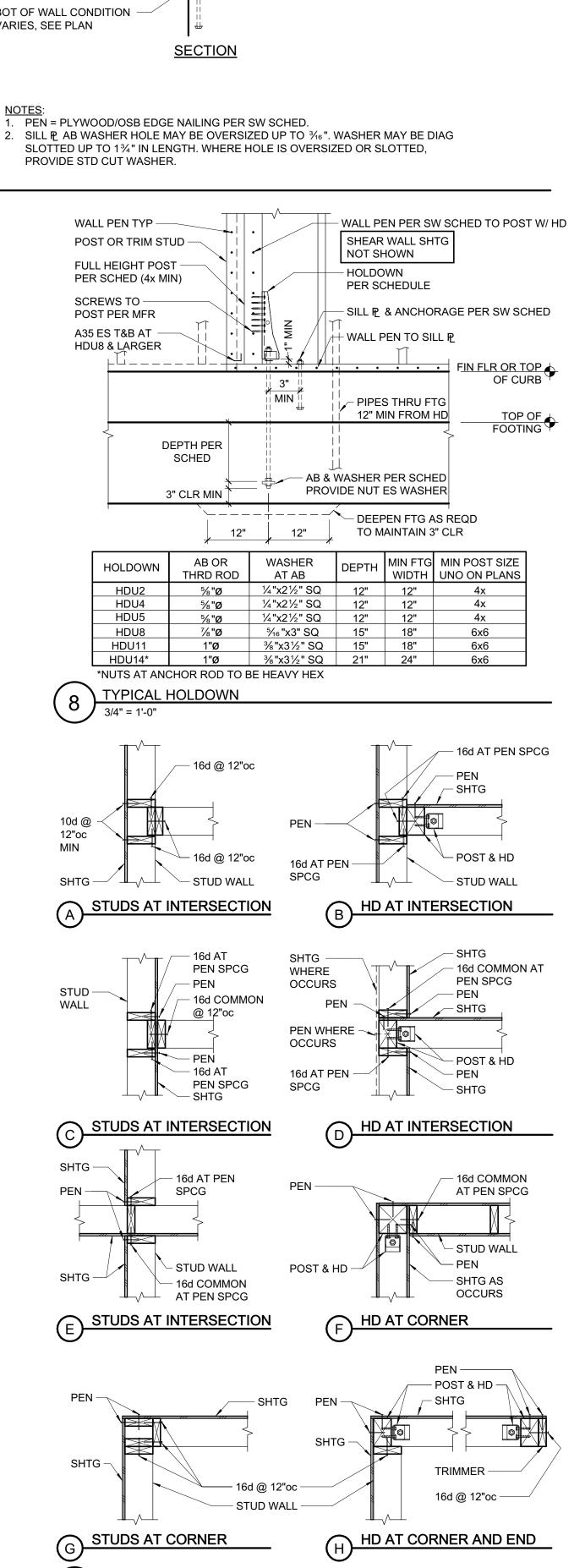
RIM JOIST TO TOP P, TOE NAIL	· 10d @ 6"oc
TRUSSES, JOISTS OR RAFTERS AT ALL BEARING POINTS	
TOE NAILS EACH SIDE	(2) 10d
TRUSSES, JOISTS OR RAFTERS TO SIDE OF STUDS	
EIGHT (8) INCH JOISTS OR LESS FOR EACH ADDITIONAL 4 INCHES OF DEPTH OF JOIST	(3) 16d
FOR EACH ADDITIONAL 4 INCHES OF DEPTH OF JOIST	(1) 16d
BLOCKING BETWEEN JOISTS OR RAFTERS:	
TO JOIST OR RAFTERS - TOE NAILS EA SIDE, EA END	(2) 10d
TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE	(2) 10d
BLOCKING BETWEEN STUDS, EACH END TOE NAILS.	(2) 10d OR (2) 16d
BLOCKING BETWEEN STUDS, EACH END TOE NAILS	· · · · · (2) 8d
2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL	(2) 16d
2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL	16d @ 16"oc
SOLE PLATE TO JOIST OR BLOCKING AT	
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS TOP PLATE TO STUD, END NAIL STUD TO SOLE PLATE, TOE NAIL	· (3) 16d @ 16"oc
TOP PLATE TO STUD, END NAIL	(2) 16d
STUD TO SOLE PLATE, TOE NAIL	(4) 8d
DOUBLE STUDS AT EXTERIOR WALLS, FACE NAIL	16d @ 12"oc
DOUBLE STUDS, FACE NAIL	16d @ 24"oc
DOUBLE TOP PLATES, FACE NAIL	16d @ 12"oc
DOUBLE STUDS, FACE NAIL	(3) 16d
CONTINUOUS READER. TWO PIECES - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ALONO LACIT LOCE
DOUBLE TOP PLATE LAP AT CORNER	(3) 160
CONTINUOUS HEADER TO STUD, TOE NAIL	· (4) 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	(3) 16d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) 16d
BUILT-UP CORNER STUDS	16d @ 12"oc
POST TO SILL/SOLE/TOP PLATE, EACH SIDE TOE NAIL	(4) 104



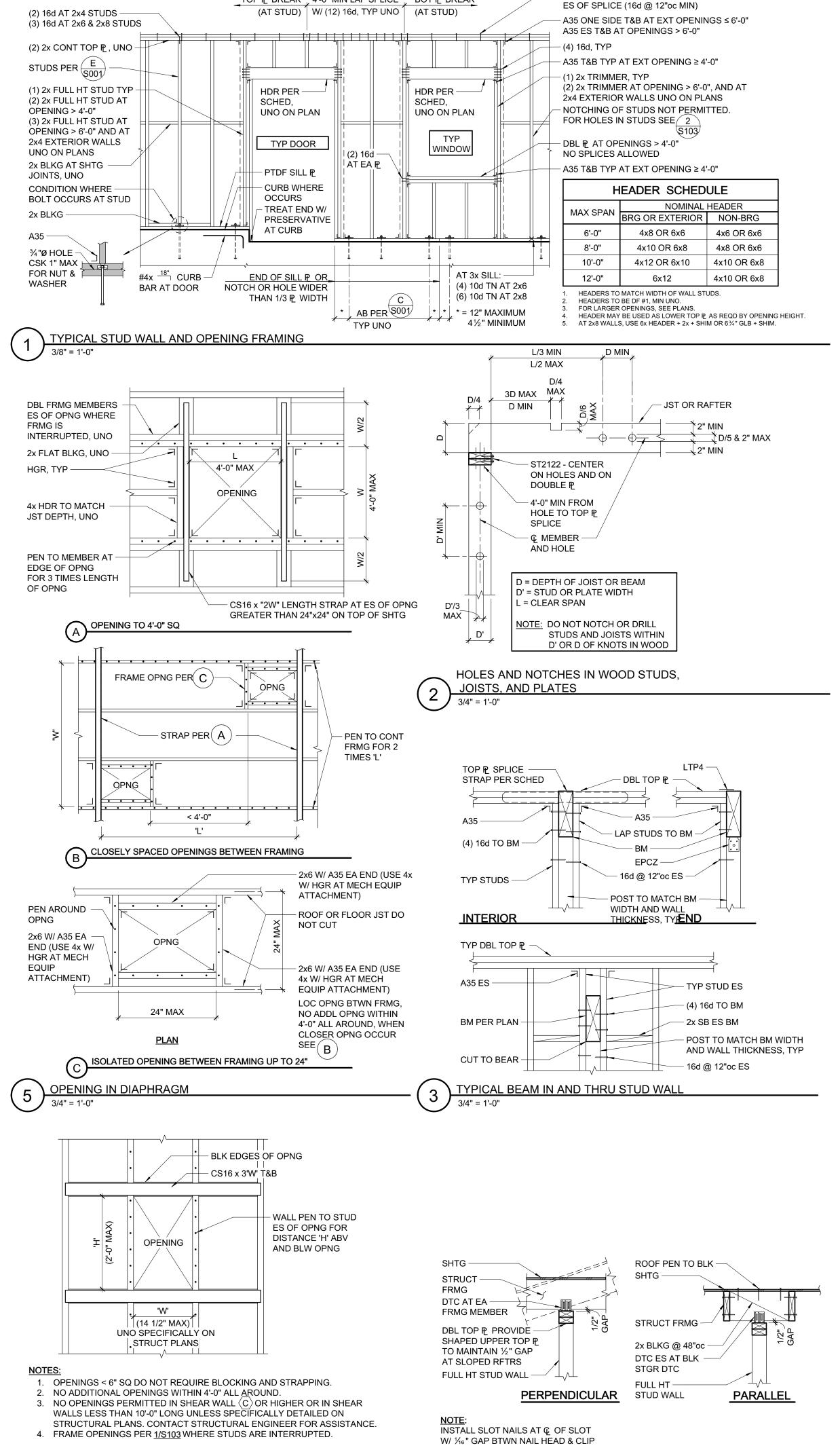
SHEATHING SHEETS ARE TO BE AS LARGE AS POSSIBLE. STAGGER SHEETS. JOINTS ARE TO BE CENTERED OVER BEARING. NAIL HEADS SHALL BE DRIVEN FLUSH W/ SHEATHING. MINIMUM SHEATHING SIZE IS 24" WIDTH x 48" LENGTH AT FLOOR AND ROOF, AND 12"x48" AT WALLS.

SHEATHING NAILING

1 1/2" = 1'-0"



TYPICAL PLAN VIEW OF STUD WALL INTERSECTIONS



SMALL OPENINGS IN SHEAR WALLS

3/4" = 1'-0"

TOP P BREAK 4'-0" MIN LAP SPLICE BOT P BREAK

ZFA STRUCTURAL ENGINEERS

1390 el camino real | suite 100 san carlos ca 94070 **zfa job no.** 21479

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NAILS TO MATCH LAP SPLICE,



PROJECT ADDRESS

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PROJECT TEAM

CLIENT:

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

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

> CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:11 am, Aug 05, 2022

REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF

NO.	DESCRIPTION	DAIL
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/202
3	50% DESIGN DEVELOPMENT	11/19/20
4	100% DESIGN DEVELOPMENT	12/17/20
5	PERMIT SUBMITTAL	4/01/202
8	PLAN CHECK COMMENTS	7/22/202
JOB	NO.	•

21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

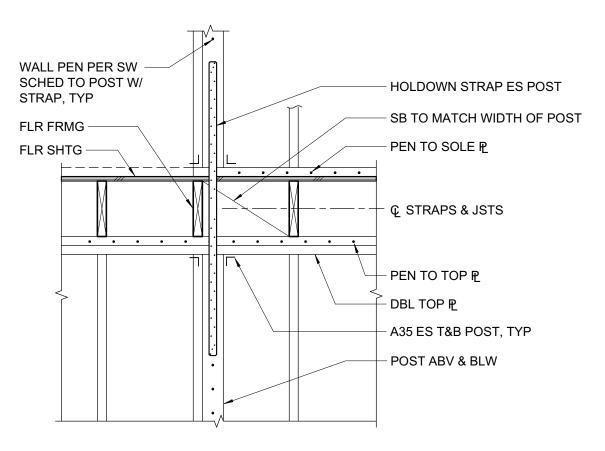
DESCRIPTION

TYPICAL WOOD DETAILS

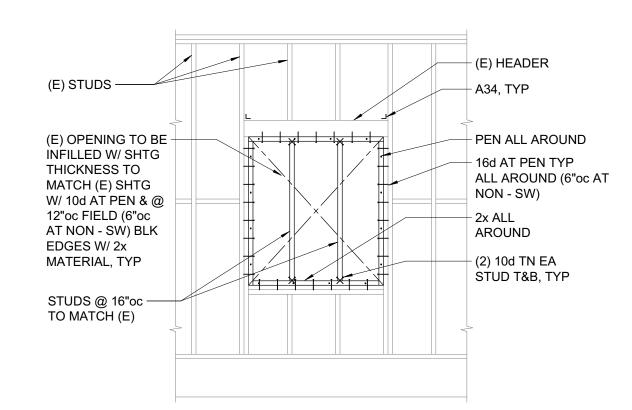
TYPICAL NON-STRUCTURAL STUD WALL DETAILS

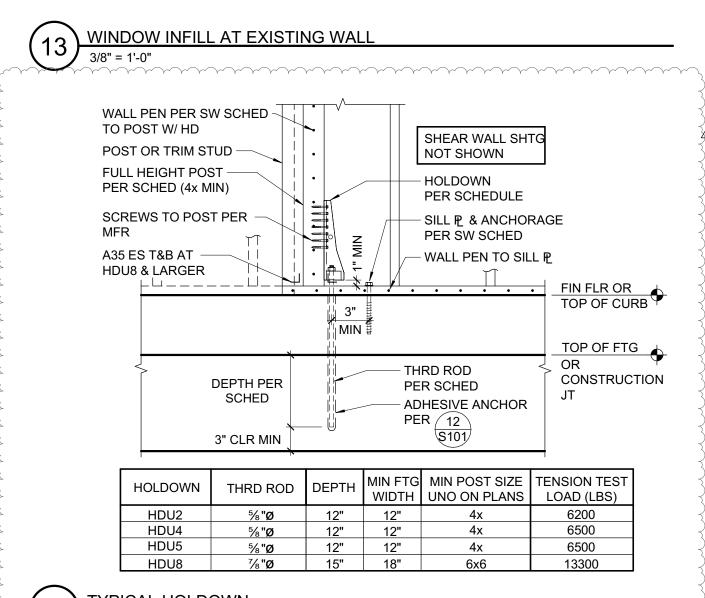
· 4) 3/4" = 1'-0"

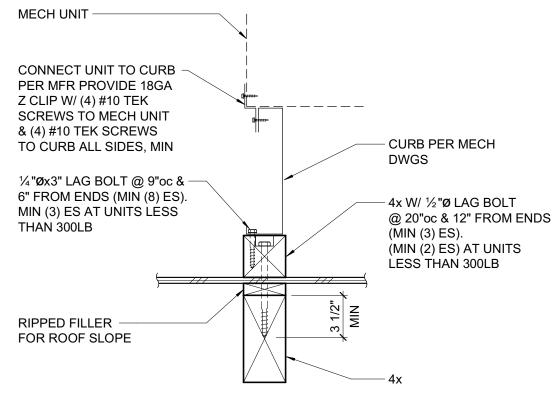
INTERIOR WALL AT FLOOR FRAMING



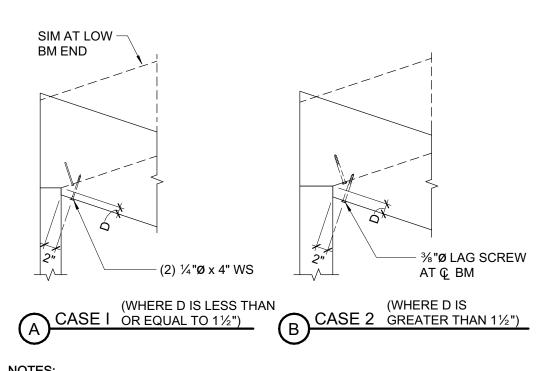
STRAP HOLDOWN AT FRAMED FLOOR







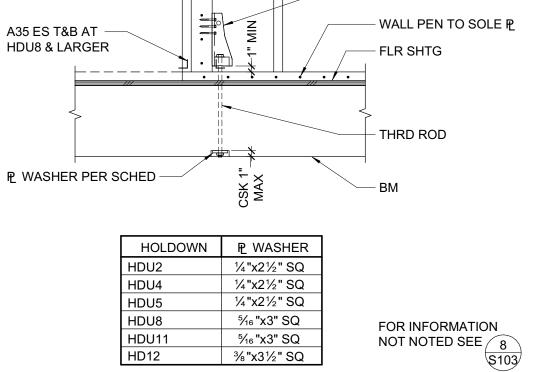
MECHANICAL CURB DETAIL ABOVE 4x OR GLE



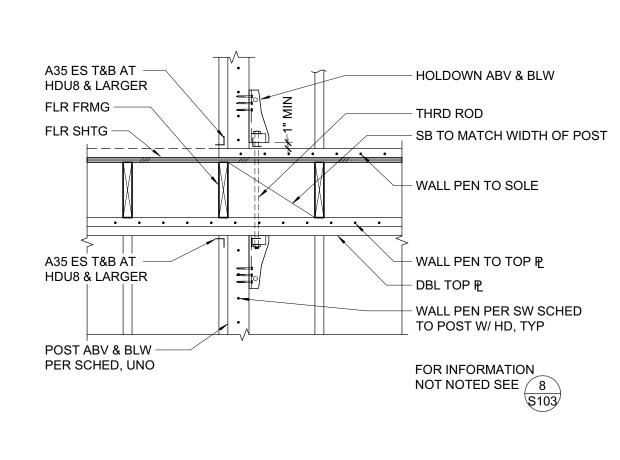
1. DO NOT OVERCUT NOTCHES OR SEAT CUTS. 2. D MAX = BEAM DEPTH/4 SEE OTHER DETAILS FOR ADDITIONAL NOTCH OR SEAT CUT SIZE INFORMATION.

BEAM SEAT CUT/NOTCH REINFORCEMENT 3/4" = 1'-0" HOLDOWN, CENTER ON BM

3. MINIMUM LAG SCREW LENGTH = D + 2½".



TYPICAL HOLDOWN OVER BEAM

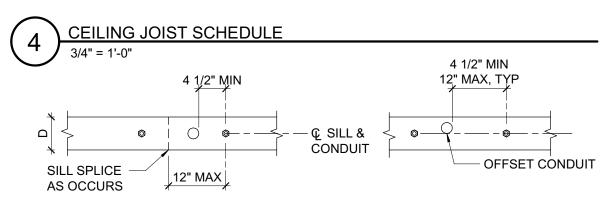


TYPICAL HOLDOWN FROM FLOOR TO FLOOR

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

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

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

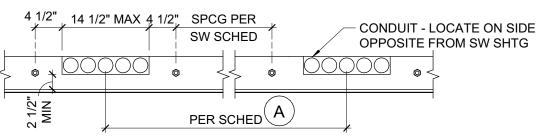


CASE 1 - SINGLE, CONDUIT DIAMETER ≤ D/3, MIN SPCG = 16"oc

	SPLITS LONGER THAN 3D REQUIRE REPLACEMENT OF SILL
CASE 2 - SPLIT IN SILL	
4 1/2" 4 1/2" SPCG PER SW SCHED	

CASE 3 - SINGLE, CONDUIT DIAMETER > D/3

PER SCHED (A)



CASE 4 - NOTCH FOR CONDUIT

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

	4 1/2"	լ14 1/2"  ϟ 1	/2" SPCG PER	<u>_</u>			
	1	MAX	SW SCHED				
_	©	90	©	© >>	• •) 0	
			PER SCH	ED A			

CASE 5 - MULTI CONDUIT, DIAMETER > D/3

SCHEDULE A							
	CASE 3	CASE 4	CASE 5				
$sw\langle A \rangle$	48"	32"	48"				
sw(B)	64"	48"	64"	2.			
sw(C)	80"	64"	N/A				
sw(D)	N/A	N/A	N/A				

(EDGE OF OPNG SIM)

NOTE: PROVIDE

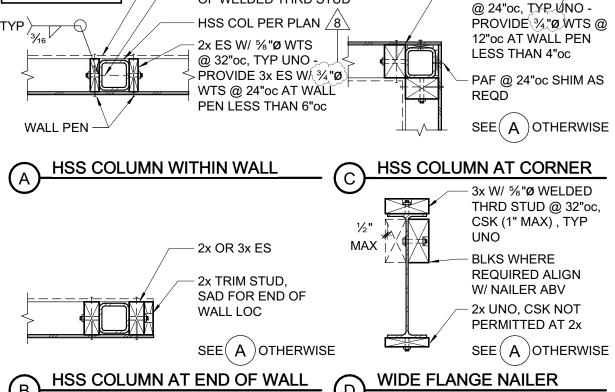
BOLTS 4½" MIN &

12" MAX FROM EE

OF ALL NAILERS

ALL PENETRATIONS THROUGH SHEAR WALL SILL PLATE SHALL CONFORM TO THE REQUIREMENTS OF THIS DETAIL OR BE REROUTED PRIOR TO INSTALLATION OF SILL. PROVIDE ADDITIONAL ANCHOR BOLTS AS REQUIRED TO MEET INDICATED SPACINGS. ADDITIONAL ANCHOR BOLTS TO BE INSTALLED AT CENTERLINE OF SILL PLATE PER <u>13/S101</u> WHERE NECESSARY. AB DIA AS REQD BY SW

SCHED. HOLES IN PLATES AT 2x6 SHEAR WALLS



- WALL SHTG ES AS OCCURS

- MB MAY BE USED IN LIEU

OF WELDED THRD STUD

(CHANNEL & HSS SIM) TYPICAL STEEL BEAM/COLUMN NAILERS

- 4x ES W/ %"Ø ^{/8}\

WELDED THRD/STUD

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

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

3. NAILS TO MATCH LAP SPLICE ES OF SPLICE (16d @ 12"oc MAX)

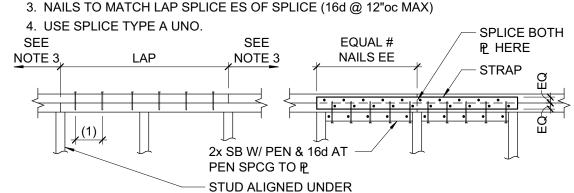
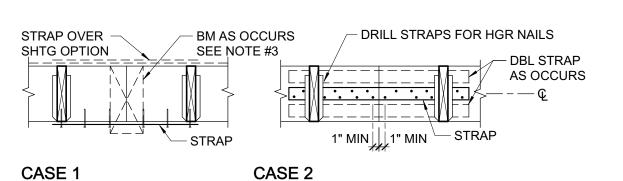
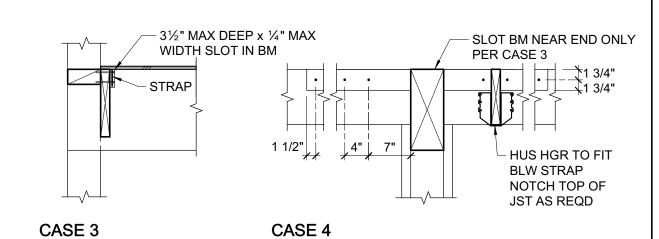


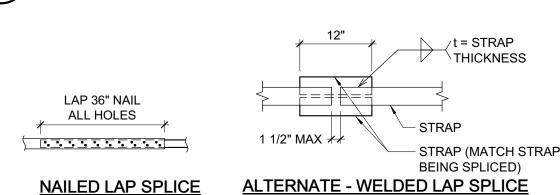
PLATE SPLICE, TYP TOP PLATE SPLICE SCHEDULE AND DETAILS

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





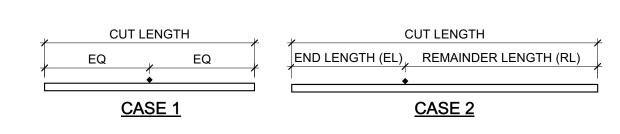
EDGER OR RIM SPLICE SCHEDULE



	TIE STRAP SCHEDULE								
MARK	077040	MIN.	MAX. NAIL SPACING (SEE NOTES #1 & #2)						
MARK	STRAP	NAILING ES OF ◆	CASE 1	CASE 2					
		ES OF ¥	CAGL 1	EL	RL	(EL)			
A	CS16	(10) 10d	10d @ 4"oc STGR	FILL ALL NAIL HOLES	10d @ 4"oc STGR	12"			
B	CS14	(13) 10d	10d @ 4"oc STGR	FILL ALL NAIL HOLES	10d @ 4"oc STGR	16"			
©	CMSTC16	(25) 10d	10d @ 3"oc STGR	FILL ALL NAIL HOLES	10d @ 3"oc STGR	24"			
(D)	CMST14	(33) 10d	10d @ 3½"oc STGR	FILL ALL NAIL HOLES	10d @ 3½"oc STGR	32"			
E	CMST12	(43) 10d	10d @ 3½"oc STGR	FILL ALL NAIL HOLES	10d @ 3½"oc STGR	48"			

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

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



3. LOCATE STRAPS OVER SHEATHING AND BLOCK UNDER STRAP W/ FLAT 2x6 (2x4 AT CS16/CS14) WHERE NO FRAMING OCCURS, UNO.

4. SEE PLANS FOR STRAP LENGTHS, LOCATIONS AND DETAILS, UNO.

5. SPLICE STRAPS AS SHOWN WHERE LENGTH PER PLAN EXCEEDS AVAILABLE PRODUCT LENGTH

ZFA STRUCTURAL ENGINEERS zfa.com

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> Structural Reviewed By: Kristen Palenchar 8:39 am, Aug 05, 2022

STAMP

zfa job no. 21479



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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T: (925) 940-2200

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

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

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

CONTACT: RON BLUE

CONTACT: PETER MCDONALD T: (415) 255-9140 ESTIMATOR: MICROESTIMATION INC.

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

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:11 am, Aug 05, 2022 OR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING

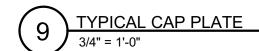
OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF

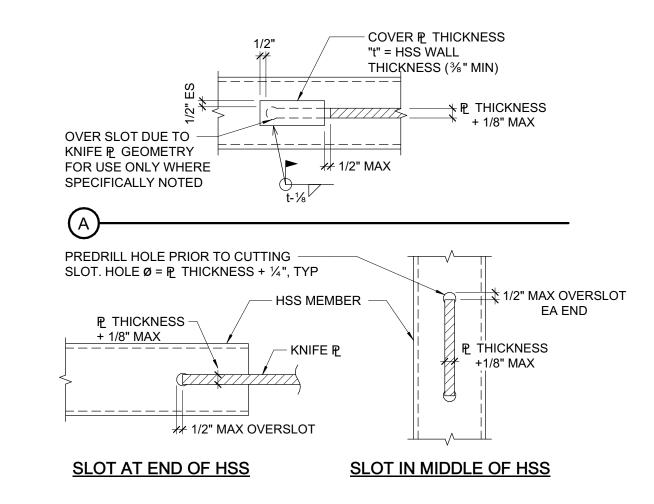
NO.	DESCRIPTION	DATE
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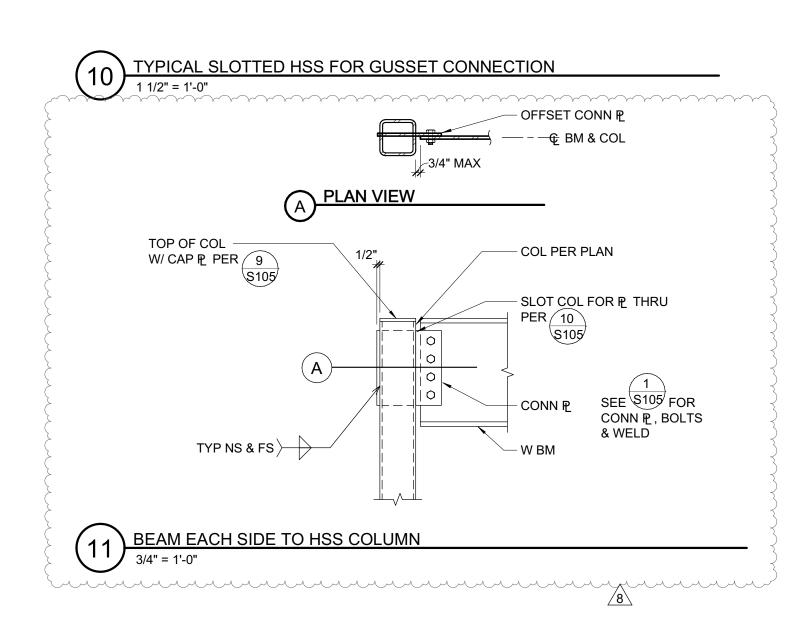
21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

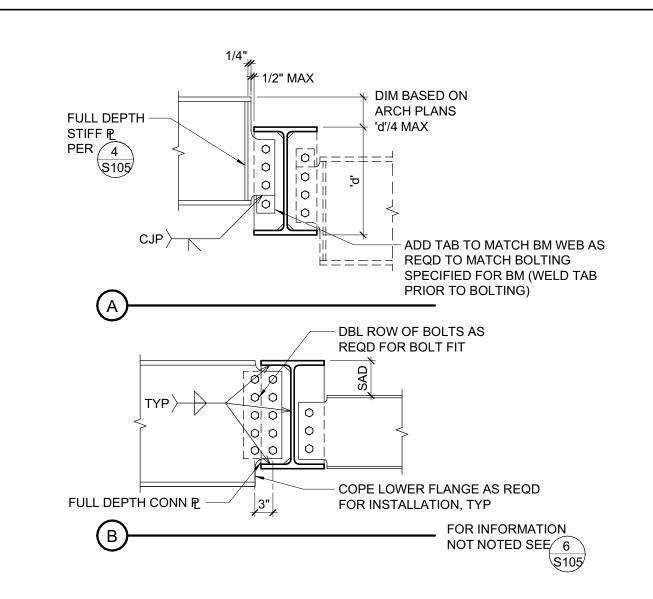
DESCRIPTION

TYPICAL WOOD DETAILS

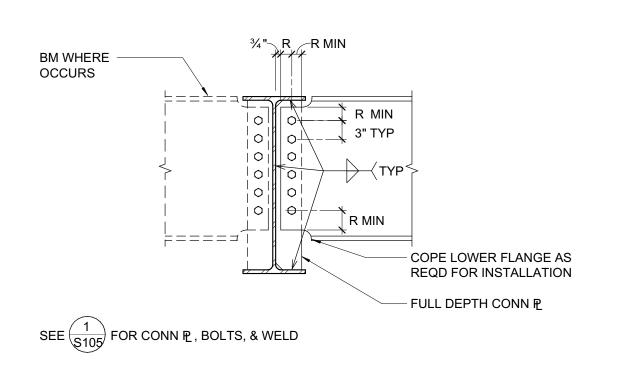




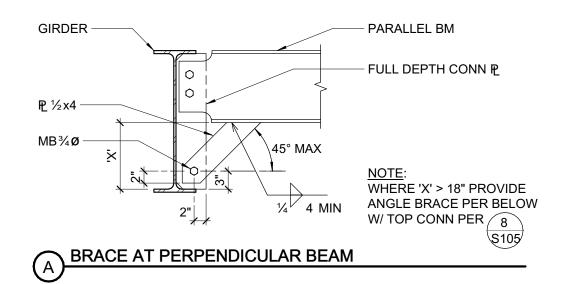


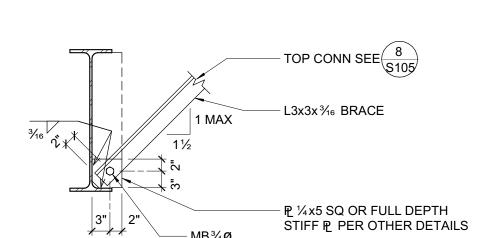




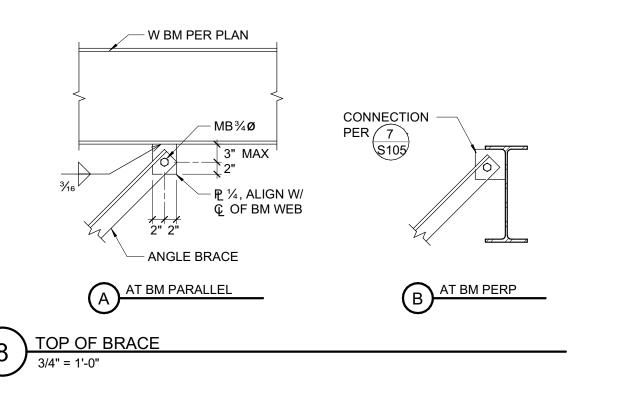


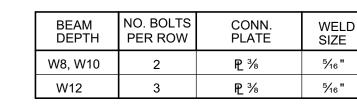
TYPICAL FULL DEPTH BEAM TO BEAM CONNECTION





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

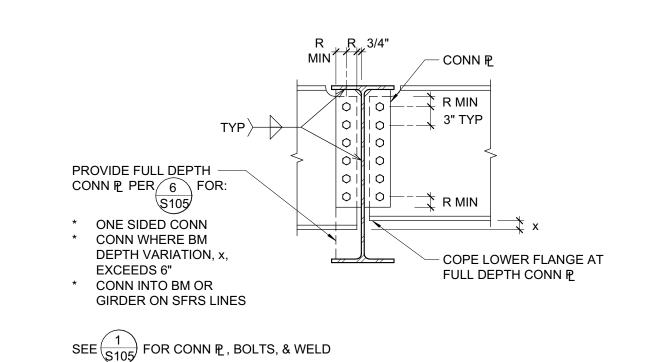




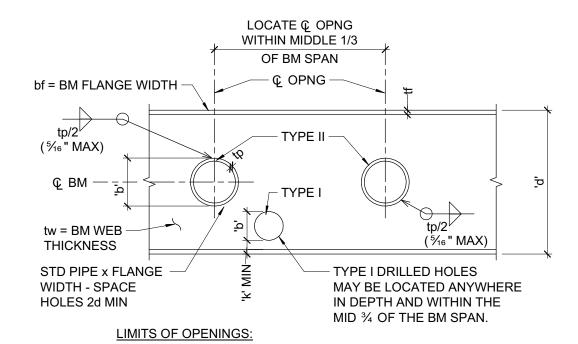
1. R = 1¾" SEE TYP CONNECTION DETAILS. BOLT SPACING AND EDGE DISTANCE SHALL CONFORM TO AISC SPECIFICATIONS.

- 2. HIGH STRENGTH BOLTS (HSB) ARE GRADE A325-N UNO. PREPARE MATING SURFACES & TIGHTEN "SNUG TIGHT" AS DEFINED IN THE SPECIFICATIONS. AT LINES MARKED "SFRS" (SEISMIC FORCE RESISTING SYSTEM) HSB AND MATING SURFACES ARE SLIP CRITICAL CLASS A, UNO.
- 3. USE ASTM A36 CONNECTION PLATES, UNO.
- 4. A COMPLETE PENETRATION BEVEL WELD MAY BE SUBSTITUTED FOR THE FILLET WELDS SPECIFIED.
- 5. HOLE SIZE = BOLT SIZE + $\frac{1}{16}$ " (BOLT SIZE + $\frac{1}{8}$ " FOR 1"Ø AND LARGER BOLTS). SHORT SLOTTED HOLES (+ 1/16" VERT, + 1/2" HORIZ) MAY BE SUBSTITUTED (EXCEPT AS NOTED) ROUND HOLES ARE REQUIRED AT SFRS CONNECTIONS.





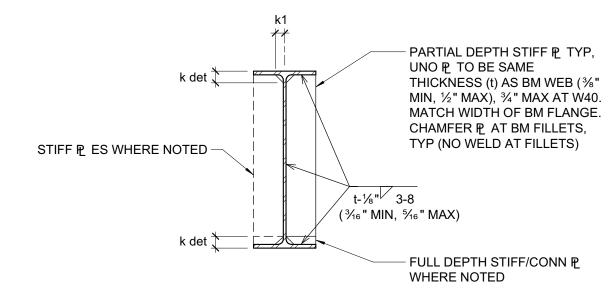




TYPE I: b = 1/5d MAXSPACED A MINIMUM OF 2d APART TYPE II:b = 2/3d MAX SPACED A MINIMUM 2d APART

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





TYPICAL BEAM WEB STIFFENER PLATE DETAIL

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Structural Reviewed
By: Kristen Palenchar
8:39 am, Aug 05, 2022

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PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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> T: (415) 826-9626 **BUILDING INSPECTION DIVISION**

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LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF

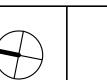
APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STAT

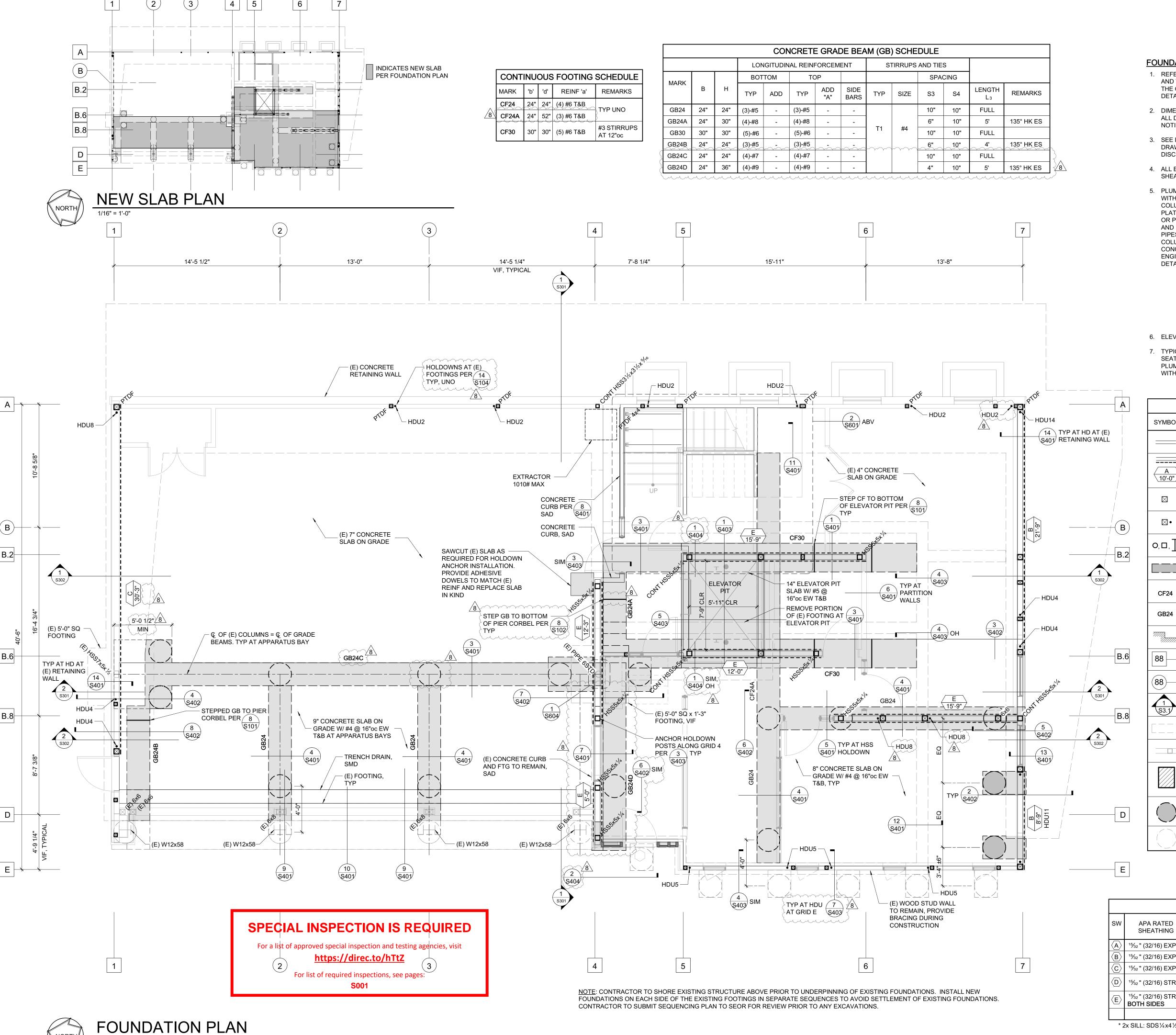
NO	DECORIDATION	DATE
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8	PLAN CHECK COMMENTS	7/22/2022

JOB NO. 21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

TYPICAL STEEL FRAMING DETAILS





FOUNDATION PLAN NOTES:

- 1. REFER TO SHEETS <u>S001</u>, <u>S101</u>, <u>S102</u>, <u>S103</u>, <u>S104</u> AND <u>S105</u> FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAIL SHEETS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
- 2. DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- 3. SEE DETAILS FOR CURB LOCATIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES. PROVIDE LONGER ANCHOR BOLTS AT CURBS PER C/S001.
- 4. ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS ON PLANS SHALL BE SHEATHED AS SHEAR WALL TYPE 'A' PER SHEAR WALL SCHEDULE, UNO.
- 5. PLUMBING AND ELECTRICAL CONDUIT AND GROUND STRAP SHALL NOT BE LAID WITHIN FOUNDATIONS. NO UTILITY PIPES OR CONDUITS SHALL BE LOCATED THRU COLUMN FOOTINGS OR FRAME FOOTINGS. NO PIPES OR CONDUITS THRU SILL PLATES SHALL BE WITHIN 12" OF HOLDOWN BOLTS. NO MECHANICAL, ELECTRICAL, OR PLUMBING OPENINGS SHALL BE LOCATED IN SHEAR WALLS UNLESS SHOWN AND DETAILED ON THE STRUCTURAL DRAWINGS. NO VERTICAL OR HORIZONTAL PIPES OR CONDUITS SHALL BE LOCATED THROUGH STEEL FRAMES, STEEL COLUMNS, OR STEEL BASE PLATES. PROVIDE FURRING AND/OR THICKENED CONCRETE WHERE REQUIRED TO CLEAR UTILITY SYSTEMS. NOTIFY STRUCTURAL ENGINEER/ARCHITECT PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE
 - PIPES THROUGH FOOTINGS SHALL BE PER 2/S101 AND 3/S101.
 - PIPES PARALLEL TO FOOTINGS SHALL BE PER 4/S101
 - PIPES AT SLAB ON GRADE SHALL BE PER 7/S101.
 - PIPES THROUGH WOOD FRAMING SHALL BE PER 2/S103 AND 5/S104
- 6. ELEVATION OF THE TOP OF FINISHED SLAB = 0'-0", UNLESS NOTED OTHERWISE.
- 7. TYPICAL STRUCTURAL WALL BLOCKING FOR ALL GRAB BAR, HANDRAIL, SHOWER SEAT AND OTHER ARCHITECTURAL (A), MECHANICAL (M), ELECTRICAL (E), PLUMBING (P) ATTACHMENTS SHALL BE 4x MINIMUM x WALL WIDTH STUD BLOCKS WITH A34 TOP AND BOTTOM, EACH END TYPICAL.

		PLAN LEGEND
SYMBOL	REFERENCE DETAIL	DESCRIPTION
	<u>1/S103</u>	INDICATES STRUCTURAL WALL.
 \(A \\ 10'-0" \)	7/S103 C/S002	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.
	<u>E/S001</u>	INDICATES WOOD POST.
⊠•	<u>8/S103</u>	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
0, 🗆 , 📘	<u>6/S104</u>	INDICATES STEEL COLUMN.
		INDICATES FOUNDATION.
CF24		INDICATES CONTINUOUS FOOTING SIZE AND REINFORCING PER SCHEDULE.
GB24		INDICATES GRADE BEAM SIZE AND REINFORCING PER SCHEDULE.
		INDICATES STEP IN ELEVATION, SEE ARCHITECTURAL DRAWINGS.
88		INDICATES GRIDLINE AT FACE OF STUD.
88—		INDICATES GRIDLINE AT CENTERLINE OF COLUMN
1 (\$3.1)		INDICATES ELEVATION.
		INDICATES EXISTING FOUNDATION.
		INDICATES EXISTING FRAMING.
		HATCHED REGION INDICATES NEW SLAB ON GRADE.
	<u>1/S402</u>	INDICATES 24"Ø DRILLED CONCRETE PIER. 12'-0" MIN EMBED INTO SHALE, 14'-0" MIN EMBED INTO SHALE AT APP BAY.
		INDICATES EXISTING CONCRETE PIER TO REMAIN.

	SHEAR WALL SCHEDULE								
sw	APA RATED NAILING SHEATHING (PEN)			OLT FDN		AT FRAMINO		REMARKS	
	15/ II (00/40) EVD 4	, ,	2x SILL	3x SILL	16d	A35	SDS *		
A B	¹⁵ / ₃₂ " (32/16) EXP 1	10d @ 6"oc	32"oc 24"oc	48"oc 32"oc	6"oc 4"oc .	24"oc	16"oc	UNTY DIVISION AT	
(C)	¹⁵ / ₃₂ " (32/16) EXP 1 ¹⁵ / ₃₂ " (32/16) EXP 1	10d @ 4"oc 10d @ 3"oc	16"oc	32 0C 24"oc	3"oc		<u>isPECTION</u> мут., румві 122-004		
	,		10 00					APANEJBLE TO	
	¹⁵ / ₃₂ " (32/16) STRUC 1	10d @ 2"oc	-	16"oc	ESEPLANS WA SPECTORS AT A			EDGES	
(E)	¹⁵ / ₃₂ " (32/16) STRUC 1	10d @ 2"oc	-	12"oc	(2) ROWS @ 2"oc	10:11 ar 6"oc RE	n ₍₂₎ Akkwy V9EWED	5, 2022)	

* 2x SILL: SDS¼x4½". 3x SILL: SDS¼x6". FOR SDS @ 6"pc DR LESS, PROVIDE 4X BLRG BLW."

By: ROSALINA ACUFF

ZFA STRUCTURAL ENGINEERS

1390 el camino real | suite 100 san carlos ca 94070 zfa job no. 21479

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Structural Reviewed By: Kristen Palenchar 8:39 am, Aug 05, 2022

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

T: (415) 378-9064

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

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

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

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

CONTACT: ERIC SWANSON

CONTACT: CATHERINE ELLIS

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

T: (925) 940-2200

T: (510) 879-4544

LIST ENGINEERING CO.
2 HARRIS CT STE A7

T: (831) 373-4390

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

MONTEREY, CA 93940

CONTACT: RON BLUE

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

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

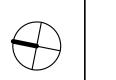
DESCRIPTION	DATE
PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
50% DESIGN DEVELOPMENT	11/19/2021
100% DESIGN DEVELOPMENT	12/17/2021
PERMIT SUBMITTAL	4/01/2022
PLAN CHECK COMMENTS	7/22/2022

JOB NO.

21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

FOUNDATION PLAN



LEDGER SPLICE SCHEDULE						
MARK	CASE	STRAP/PLATE	CASE	STRAP/PLATE		
A	1	MSTA24	-			
B	1	MSTA30	-			
<u> </u>	2	MSTI48	3	MSTI60		
(D)	2	CMST14x5'-6"	3	CMST14x6'-0"		
É	2	(2) MSTI48	4	配 1/4" W/ (6) 1"Ø MI ES OF SPLICE		
⟨F⟩	PROVIDE CONTINUOUS LEDGER. DO NOT SPLICE.					

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

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

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

(E) WOOD STUD WALL

TO REMAIN, PROVIDE BRACING DURING

CONSTRUCTION

- DTT2Z AT ADJACENT (E) WOOD STUD WALL TO REMAIN, PROVIDE JOIST at 4'-0"oc W/ 1/2 "Ø ADHESIVE ANCHOR BRACING DURING CONSTRUCTION - FLOOR SHTG PER S001 NOTE #19B _DBL JOIST_ OPEN DBL 2x10 − CS16 HDU2 -HDU2-PROVIDE BLKG - SISTER ON JOIST TO BELOW BEARING MATCH (E) JOIST W/ -STAIR 1/4 "Øx3" SDS @ 6"oc OPENING STGD-HHTT4 W/ (18) #10 x1½" SD TO │ DBL 2x10 DBL 2x10 JOIST AND % "Ø MB TO BM, CSK W/ 1/4" x2" SQ P WASHER AT 2x BLKG -- 2x BLKG JOIST ALIGNED WITH ELEVATOR GUIDE RAIL KITCHEN ! _ISLAND_ DBL 2x10 HUCQ-SDS EA END _DBL 2x10_ HD12 -- HB HGR -HDU11 \$403/ | 51/x 18 GLB [-191/4"] 4x10 SISTER ON JOIST TO MATCH . (E) JOIST W/ 1/4 "Øx3" SDS @ - (2) HD7B _6"oc STGD, TYP AT JOIST TO _ BE STRENGTHENED 2x12 JOISTS 4x BLKG [-3"] @ 16"oc **ELEVATOR** DBL JOIST BLW OPEN _DBL JOIST 4x BLOCK _LIFT _ AND STRAP 1650 LB(_1; _MAX_\\$602 B.6 2x12 JOIST - DBL JOIST (2) HD7B -6x10 JOIST 4x10 JOIST 4x10 JOIST 51/8 x 251/2 GLB \S104 STRAP AT JOIST ALIGNED WITH 2x4 STUDS @ 16"oc **ELEVATOR GUIDE RAIL HUCQ-SDS** - 2x4 STUDS @ 16"oc _HUCQ-SDS EA END EA END 2x12 JOISTS @ 16"oc, TYP 51/2 x221/2 GLB BLW 51/8 x 221/2 GLB BLW 51/8 x 221/2 GLB BLW - 4x BLOCK AND STRAP D (E) W8x17 (E) W8x17 (E) W12x40 (E) W12x40 (E) W12x40 4x14 HDR CS16 -(E) 5¼x11% GLB 51/8 x 12 GLB 51/8 x 12 GLB - CS16 9'-3" - (N) WINDOW (E) DIAGONAL HDU5 OPENING BRACE, VIF, TYP 2x4 STUDS @ 16"oc

FRAMING PLAN NOTES:

- 2. DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- ROOFS OR FLOORS SHALL BE PER REFERENCES BELOW UNLESS SHOWN AND DETAILED OTHERWISE ON THE STRUCTURAL PLANS. NOTIFY ARCHITECT/ENGINEER PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.

PENETRATIONS THROUGH SHEAR WALLS SHALL BE PER 6/S103.

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

		PLAN LEGEND
SYMBOL	REFERENCE DETAIL	DESCRIPTION
	<u>1/S103</u>	INDICATES STRUCTURAL WALL.
====	<u>1/S103</u>	INDICATES STRUCTURAL WALL BELOW. 8
A 10'-0"	7/S103 C/S002	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.
	<u>E/S001</u>	INDICATES WOOD POST.
⊠•	<u>10/S104</u>	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
O, 🗆 , <u>T</u>	<u>6/S104</u>	INDICATES STEEL COLUMN.
31/8×12 GLB C=1"	<u>E/S001</u>	INDICATES GLULAM BEAM SIZE AND CAMBER. WHERE NO CAMBER IS SPECIFIED SEE WOOD FRAMING NOTES FOR TYPICAL GLULAM BEAM CAMBER.
<u></u>	<u>11/S103</u>	INDICATES PANEL EDGE NAILING ALONG FULL LENGTH OF MEMBER.
E	E/S001	INDICATES HANGER.
		INDICATES LEDGER. SEE PLAN FOR SIZE AND ANCHORAGE.
88		INDICATES GRIDLINE AT FACE OF STUD.
88)—		INDICATES GRIDLINE AT CENTERLINE OF COLUMN
1 S3.1		INDICATES ELEVATION.
MU 1,000#	<u>7/S104</u>	INDICATES APPROXIMATE LOCATION, SIZE AND MAXIMUM WEIGHT OF MECHANICAL UNIT. SEE MECHANICAL DRAWINGS FOR ANCHORAGE AND ADDITIONAL INFORMATION.
		INDICATES STEP IN ELEVATION, SEE ARCHITECTURAL DRAWINGS.
		INDICATES EXISTING FRAMING.
A	<u>1/S104</u>	INDICATES TOP PLATE SPLICE. SPLICE TYPE SHAL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS.
A	<u>2/S104</u>	INDICATES LEDGER/RIM SPLICE. SPLICE TYPE SHALL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL, UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS.
A 4'-0"	<u>3/S104</u>	INDICATES TIE STRAP. SEE SCHEDULE FOR STRAP, NAILING AND LENGTH.
STRAP	<u>12/S104</u>	INDICATES POST WITH VERTICAL STRAP. POSTS WITH STRAP ARE FULL HEIGHT FROM SILL TO TOP PLATE.

- 1. REFER TO SHEETS <u>S001</u>, <u>S103</u>, <u>S104</u> AND <u>S105</u> FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAIL SHEETS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
- 3. MECHANICAL, ELECTRICAL AND PLUMBING PENETRATIONS THROUGH WALLS,

PENETRATIONS THROUGH FLOORS/ROOFS SHALL BE PER <u>5/S103</u>

- 5. ELEVATIONS ON PLANS AND DETAILS "+ ARE TO HEIGHTS ABOVE FINISHED
- 6. TYPICAL STRUCTURAL WALL BLOCKING FOR ALL GRAB BAR, HANDRAIL, SHOWER

	SHEAR WALL SCHEDULE							
0,47	ANCHORAG				GE		DEMARKO	
SW	APA RATED SHEATHING	NAILING (PEN)	%"ø B0	%"ø BOLT FDN		AT FRAMING	G	REMARKS
	SHEATHING	(PEN)	2x SILL	3x SILL	16d	A35	SDS *	COUNTY
$\langle A \rangle$	¹⁵ / ₃₂ " (32/16) EXP 1	10d @ 6"oc	32"oc	48"oc	6"oc	284/1000N		ON DIVISION
$\langle B \rangle$	¹⁵ ⁄ ₃₂ " (32/16) EXP 1	10d @ 4"oc	24"oc	32"oc	4"oc	16"o@	CA22-0	OZAONIN AT
$\langle c \rangle$	¹⁵ / ₃₂ " (32/16) EXP 1	10d @ 3"oc	16"oc	24"oc	THESE PLANS	AT ALL TIMES.	T 8" THE PREM	ADJOINING
D	¹⁵ ⁄ ₃₂ " (32/16) STRUC 1	10d @ 2"oc	-	16"oc	(2) ROWS @ 4"oc	8"00:11	am, Aug 6 oc REVIEW	PANE2 EDGES
(E)	¹⁵ / ₃₂ " (32/16) STRUC 1 BOTH SIDES	10d @ 2"oc	-	12"oc	AF THUS DOC	UIMENT CHALL	NOT BEHELD	G ORD. & CODES. THE STAN TO PERMIT OR TO BE AN DUNTY ORDINANCE OR STA

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

ZFA STRUCTURAL ENGINEERS

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By: Kristen Palenchar
8:39 am, Aug 05, 2022

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

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

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

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

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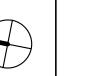
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	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
	50% DESIGN DEVELOPMENT	11/19/2021
	100% DESIGN DEVELOPMENT	12/17/2021
	PERMIT SUBMITTAL	4/01/2022
	PLAN CHECK COMMENTS	7/22/2022

JOB NO.

21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

SECOND FLOOR FRAMING PLAN



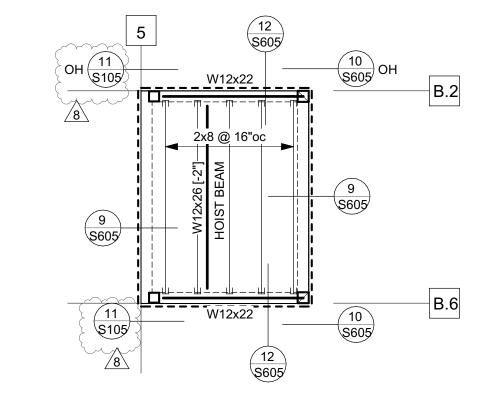
	LEDGER SPLICE SCHEDULE						
MARK	CASE	STRAP/PLATE	CASE	STRAP/PLATE			
A	1	MSTA24	-				
B	1	MSTA30	-				
©	2	MSTI48	3	MSTI60			
Ô	2	CMST14x5'-6"	3	CMST14x6'-0"			
⟨ E ⟩	2	(2) MSTI48	4	配 1/4" W/ (6) 1"Ø ME ES OF SPLICE			
F	PROVIDE CONTINUOUS LEDGER. DO NOT SPLICE.						

	TOP PLATE SPLICE SCHEDULE							
MARK	LAP SPLICE (CASE 1)	STRAP SPLICE (CASE 2						
Α	(12) 16d PER 4'-0" MIN LAP	MSTC28						
В	(22) 16d PER 4'-0" MIN LAP	MSTC40						
С	(26) 16d PER 6'-0" MIN LAP	MSTC52						
D	(32) 16d PER 6'-0" MIN LAP	MSTC66						
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G	(50) 16d PER 10'-0" MIN LAP	MSTC52 EA SIDE						
Н	PROVIDE CONTINUOUS TOP F	PLATE. DO NOT SPLICE.						

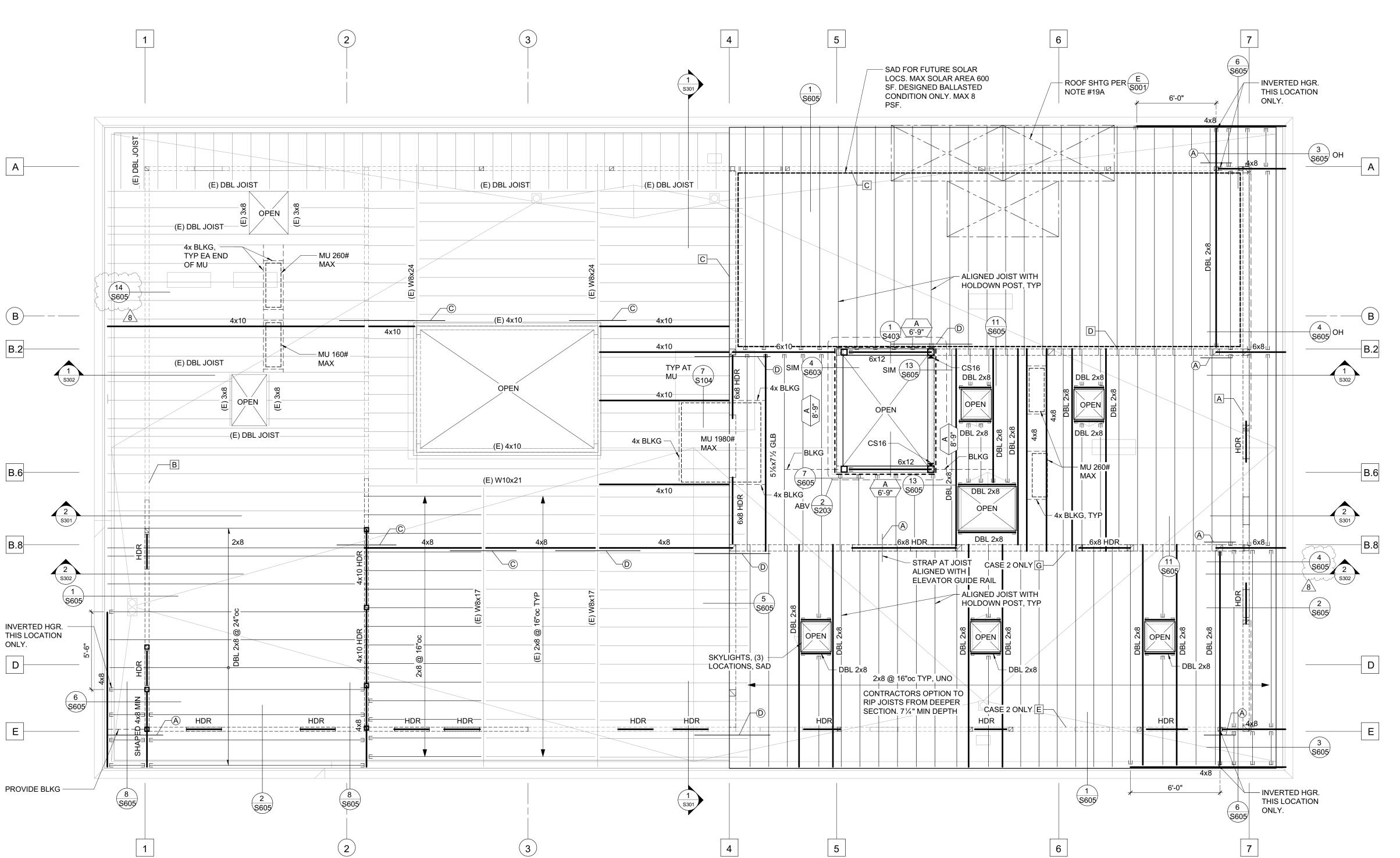
	TIE STRAP SCHEDULE						
MADIC	CTDAD	MIN.		MAX. NAIL SPACING (SEE NOTES #1 & #2)			
MARK	STRAP	NAILING ES OF ◆	CASE 1	CAS	SE 2	LENGTH	
		L3 OI +	OAOL 1	EL	RL	(EL)	
A	CS16	(10) 10d	10d @ 4"oc STGR	FILL ALL NAIL HOLES	10d @ 4"oc STGR	12"	
lack	CS14	(13) 10d	10d @ 4"oc STGR	FILL ALL NAIL HOLES	10d @ 4"oc STGR	16"	
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(D)	CMST14	(33) 10d	10d @ 3½"oc STGR	FILL ALL NAIL HOLES	10d @ 3½"oc STGR	32"	
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^{1.} CASE 1 APPLIES UNLESS END LENGTH (EL) IS NOTED ON PLANS. WHERE END LENGTH (EL) IS NOTED, SEE CASE 2.

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







FRAMING PLAN NOTES:

- 1. REFER TO SHEETS <u>S001</u>, <u>S103</u>, <u>S104</u> AND <u>S105</u> FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAIL SHEETS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
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- 3. MECHANICAL, ELECTRICAL AND PLUMBING PENETRATIONS THROUGH WALLS, ROOFS OR FLOORS SHALL BE PER REFERENCES BELOW UNLESS SHOWN AND DETAILED OTHERWISE ON THE STRUCTURAL PLANS. NOTIFY ARCHITECT/ENGINEER PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.

PENETRATIONS THROUGH SHEAR WALLS SHALL BE PER 6/S103.

PENETRATIONS THROUGH FLOORS/ROOFS SHALL BE PER <u>5/S103</u>

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- 5. ELEVATIONS ON PLANS AND DETAILS "+ ARE TO HEIGHTS ABOVE FINISHED GROUND FLOOR ELEVATION REFERENCE 0'-0". COORDINATE TOP OF FRAMING AND LEDGER HEIGHTS AS REQUIRED TO PROVIDE ROOF SLOPES AS SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- 6. TYPICAL STRUCTURAL WALL BLOCKING FOR ALL GRAB BAR, HANDRAIL, SHOWER SEAT AND OTHER ARCHITECTURAL (A), MECHANICAL (M), ELECTRICAL (E), PLUMBING (P) ATTACHMENTS SHALL BE 4x MINIMUM x WALL WIDTH STUD BLOCKS WITH A34 TOP PRO AND BOTTOM, EACH END TYPICAL.

		PLAN LEGEND
SYMBOL	REFERENCE DETAIL	DESCRIPTION
	<u>1/S103</u>	INDICATES STRUCTURAL WALL.
====	<u>1/S103</u>	INDICATES STRUCTURAL WALL BELOW.
A 10'-0"	7/S103 C/S002	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.
	<u>E/S001</u>	INDICATES WOOD POST.
⊠ •	<u>10/S104</u>	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
O, □, <u></u>	<u>6/S104</u>	INDICATES STEEL COLUMN.
31/6×12 GLB C=1"	<u>E/S001</u>	INDICATES GLULAM BEAM SIZE AND CAMBER. WHERE NO CAMBER IS SPECIFIED SEE WOOD FRAMING NOTES FOR TYPICAL GLULAM BEAM CAMBER.
<u></u>	<u>11/S103</u>	INDICATES PANEL EDGE NAILING ALONG FULL LENGTH OF MEMBER.
E	<u>E/S001</u>	INDICATES HANGER.
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88		INDICATES GRIDLINE AT FACE OF STUD.
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[MU] [1,000#]	<u>7/S104</u>	INDICATES APPROXIMATE LOCATION, SIZE AND MAXIMUM WEIGHT OF MECHANICAL UNIT. SEE MECHANICAL DRAWINGS FOR ANCHORAGE AND ADDITIONAL INFORMATION.
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	100% DESIGN DEVELOPMENT	12/17/2021
	PERMIT SUBMITTAL	4/01/2022
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JOB NO.

21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION

PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

10:11 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STAT

LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

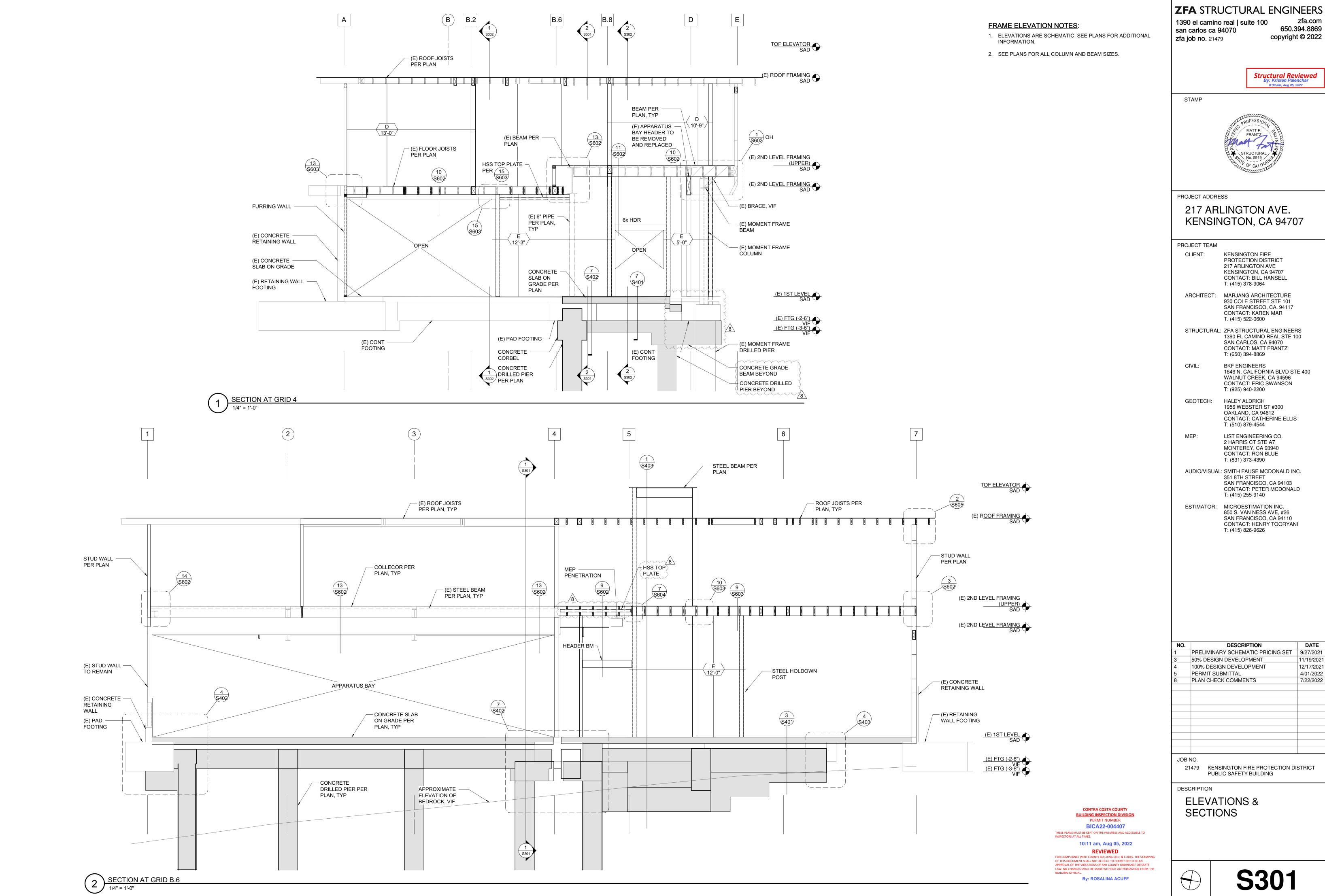
By: ROSALINA ACUFF

ROOF FRAMING PLAN



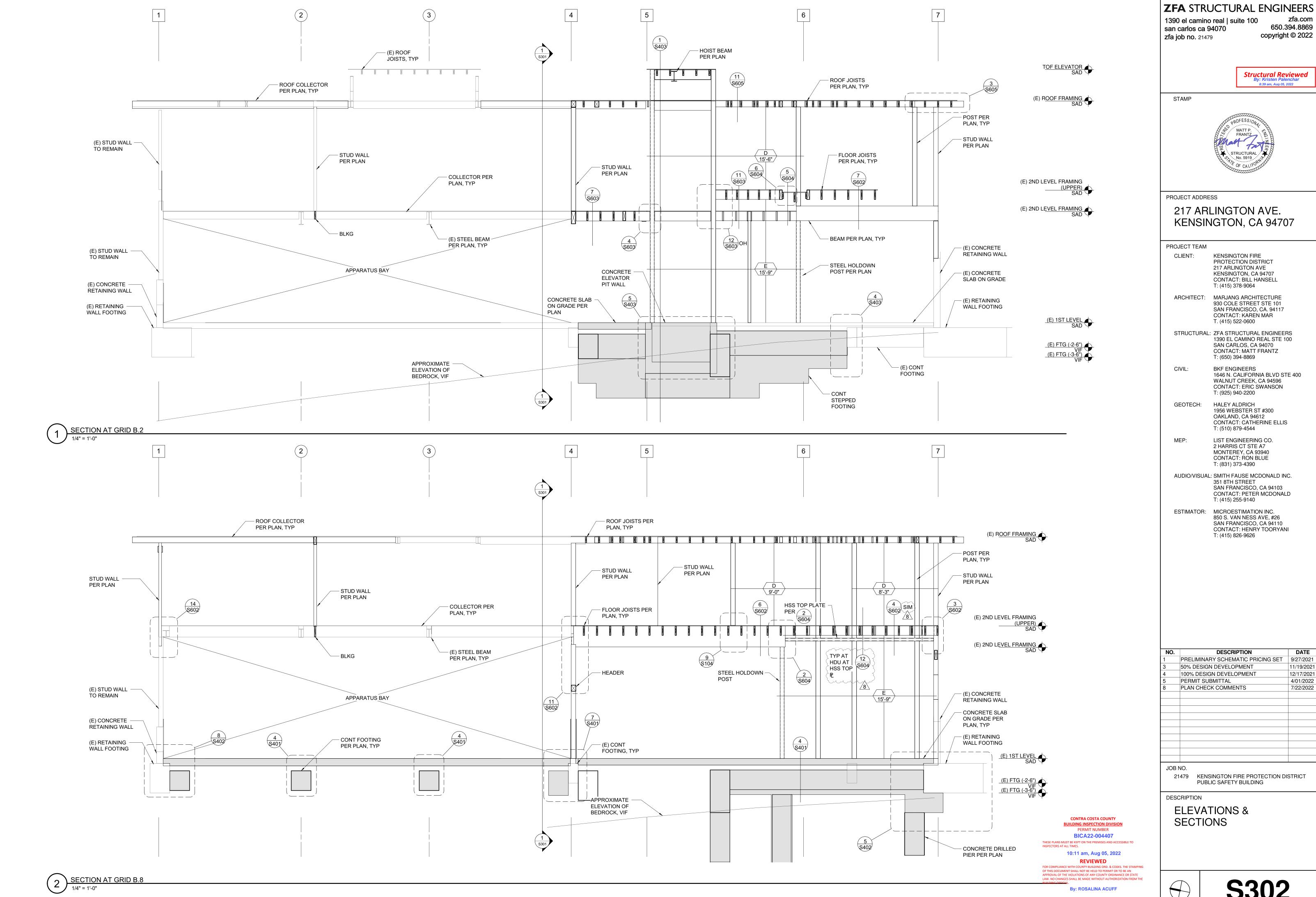
S203

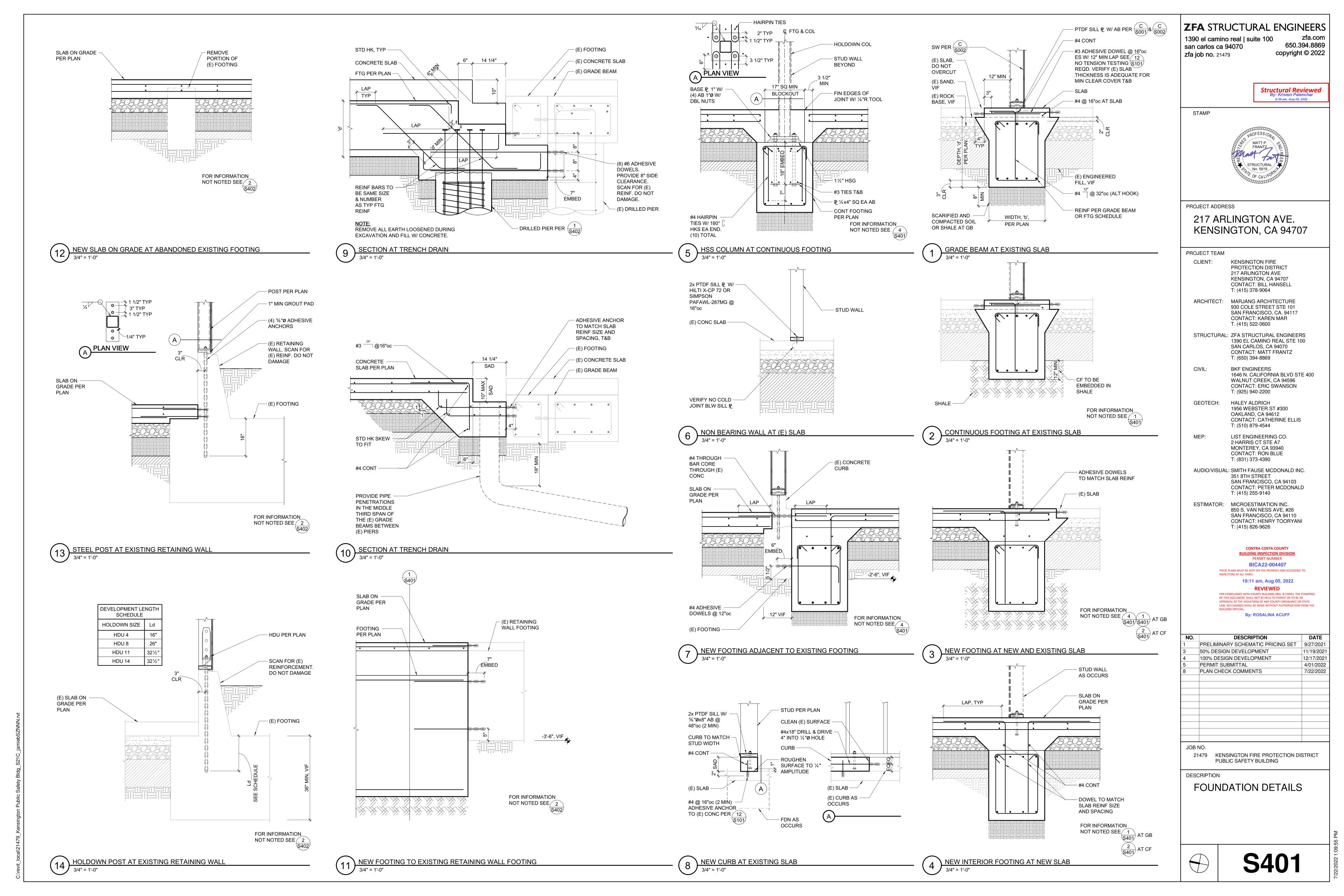
ROOF FRAMING PLAN

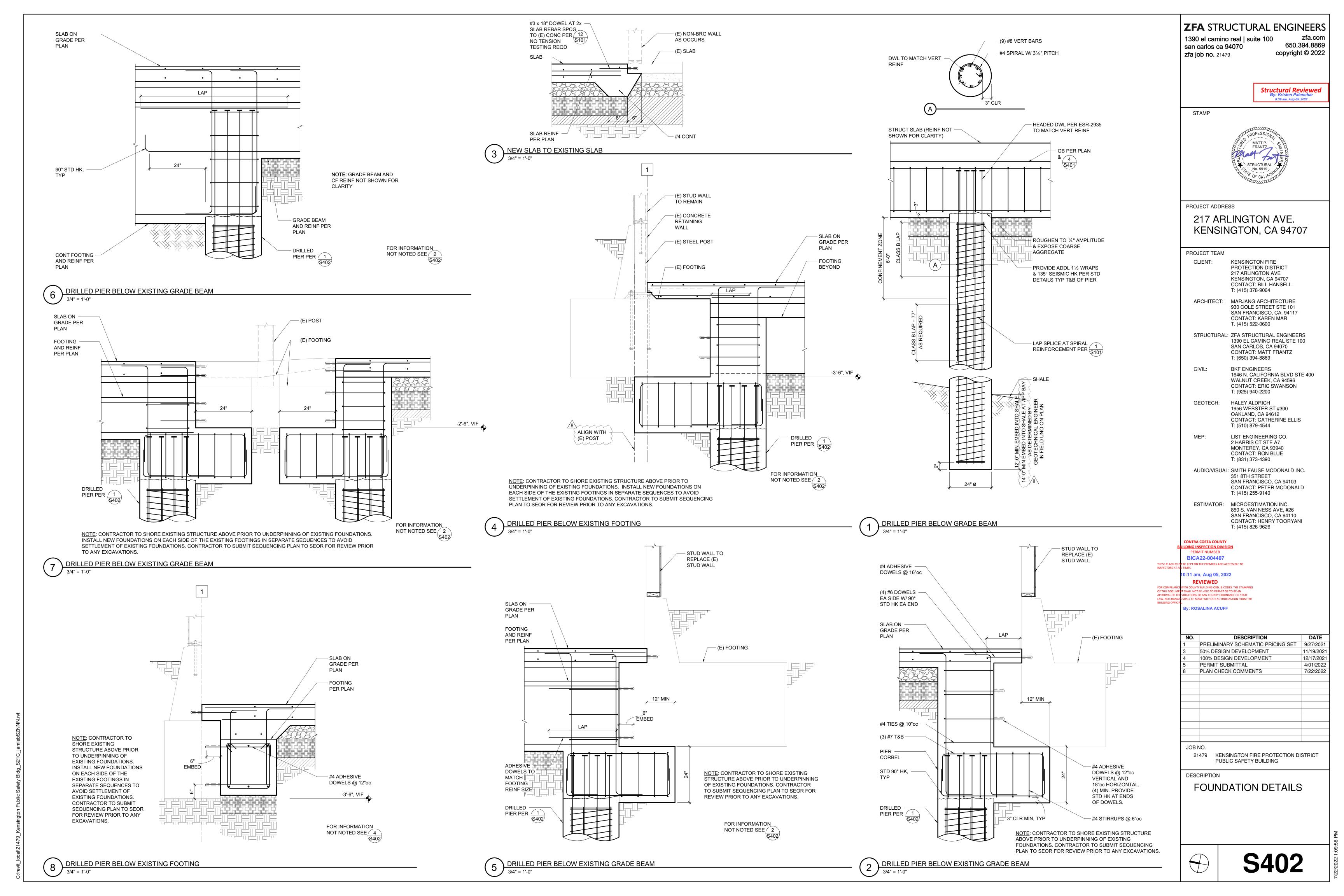


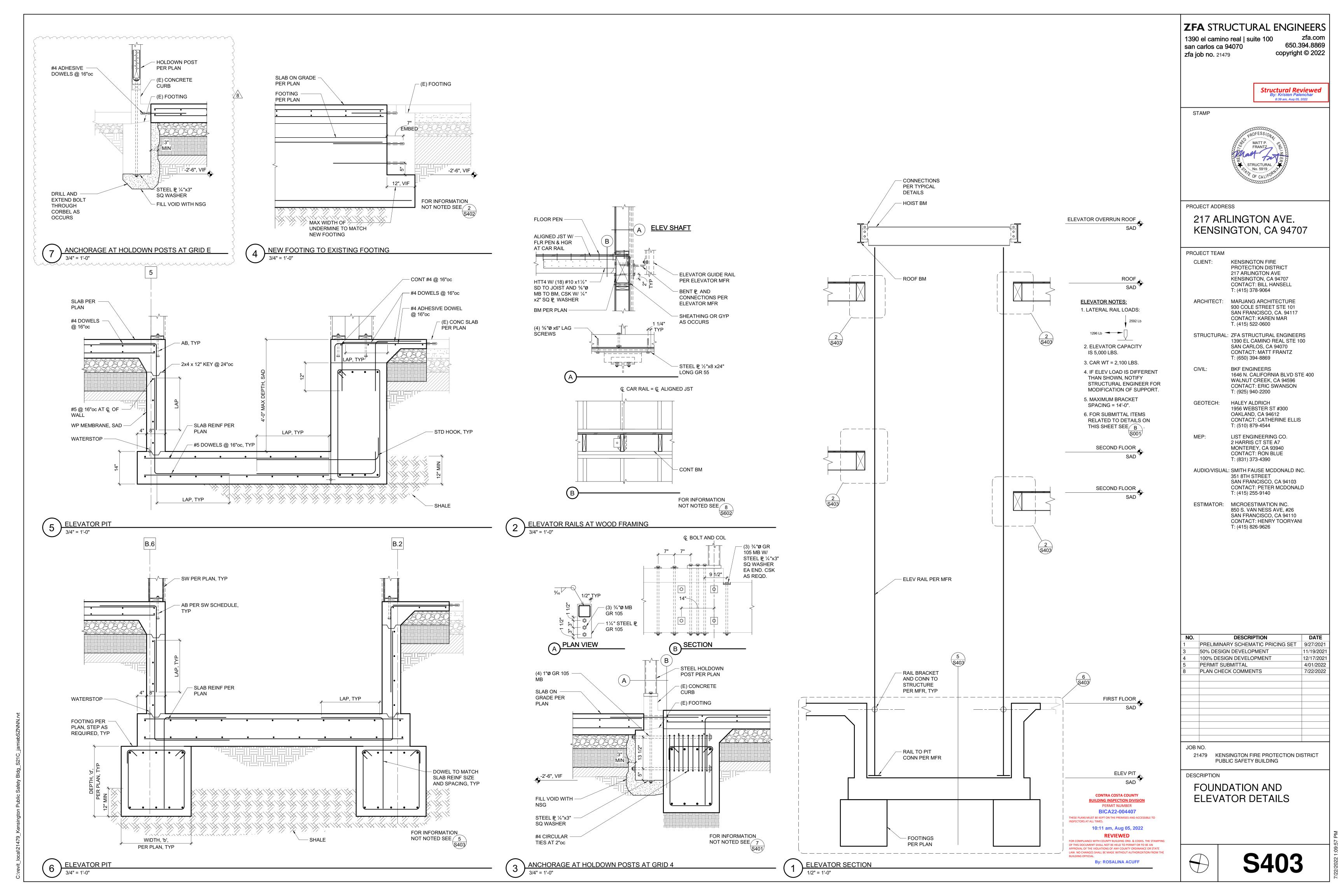
ZFA STRUCTURAL ENGINEERS

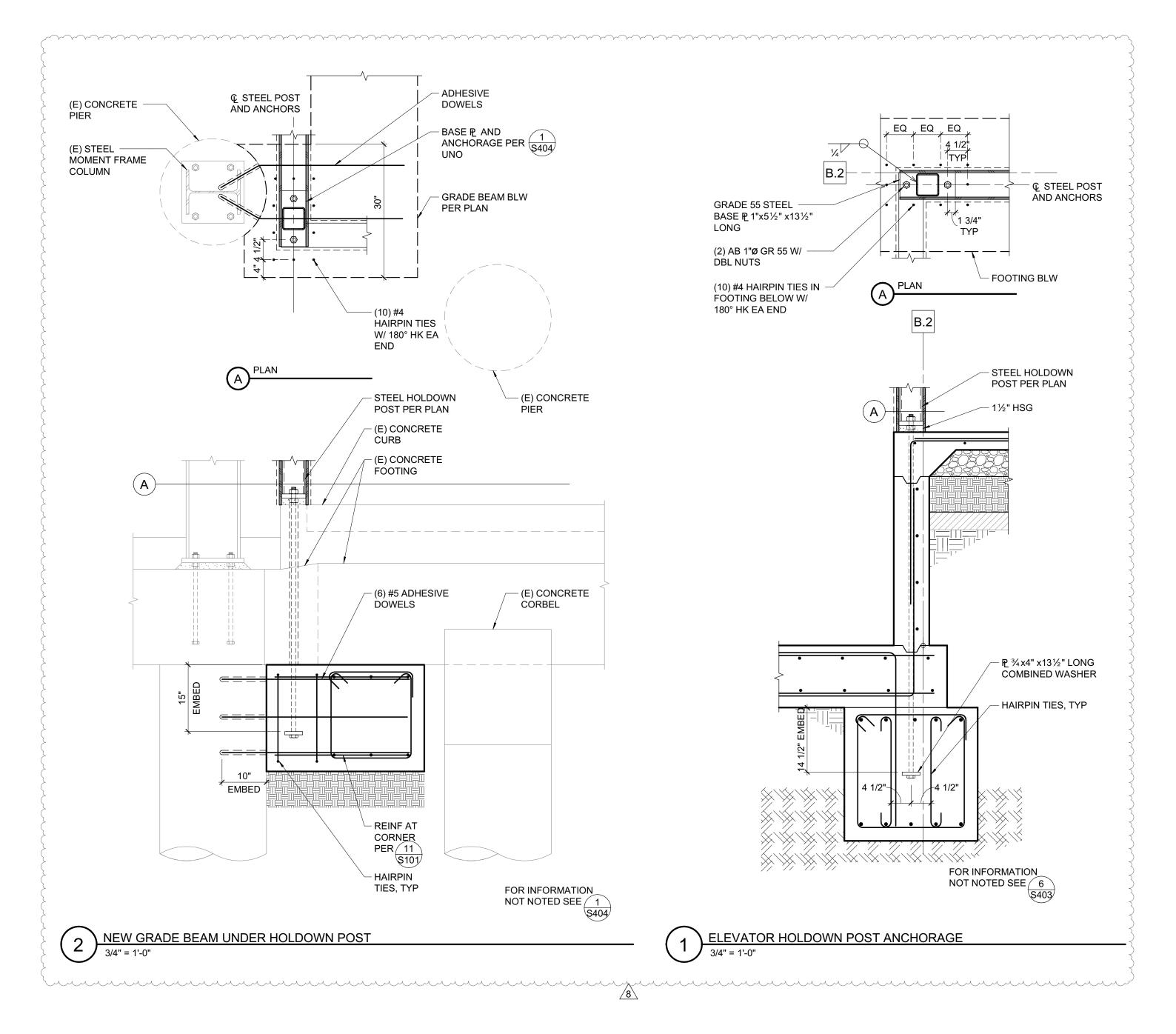
NO.	DESCRIPTION	DAIL
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021
5	PERMIT SUBMITTAL	4/01/2022
8	PLAN CHECK COMMENTS	7/22/2022











ZFA STRUCTURAL ENGINEERS

1390 el camino real | suite 100 san carlos ca 94070 zfa job no. 21479

zfa.com 650.394.8869 copyright © 2022

Structural Reviewed By: Kristen Palenchar 8:39 am, Aug 05, 2022

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PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CLIENT:

CIVIL:

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

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

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

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

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

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

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

T: (415) 826-9626

NO.		DESCRIPTION	DATE
1	PREL	IMINARY SCHEMATIC PRICING SET	9/27/20
3	50%	DESIGN DEVELOPMENT	11/19/20
4	100%	DESIGN DEVELOPMENT	12/17/20
5	PERM	MIT SUBMITTAL	4/01/20
8	PLAN	I CHECK COMMENTS	7/22/20
JOB	NO.		
2	1479	KENSINGTON FIRE PROTECTION D PUBLIC SAFETY BUILDING	ISTRICT

DESCRIPTION

FOUNDATION DETAILS

S404

CONTRA COSTA COUNTY
BUILDING INSPECTION DIVISION

PERMIT NUMBER
BICA22-004407

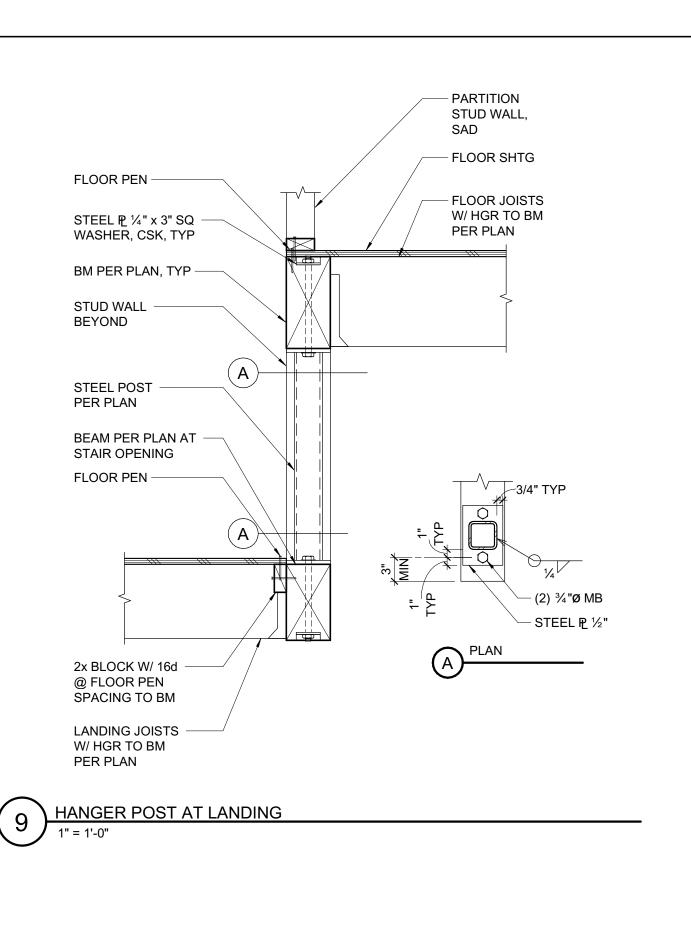
THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

10:11 am, Aug 05, 2022

REVIEWED

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL.

By: ROSALINA ACUFF



HGAM9KT W/ (4) 1/4 "Ø x 1 3/4" ———

||| ||| |||

WALL SUPPORTED STRINGER AT RETAINING WALL

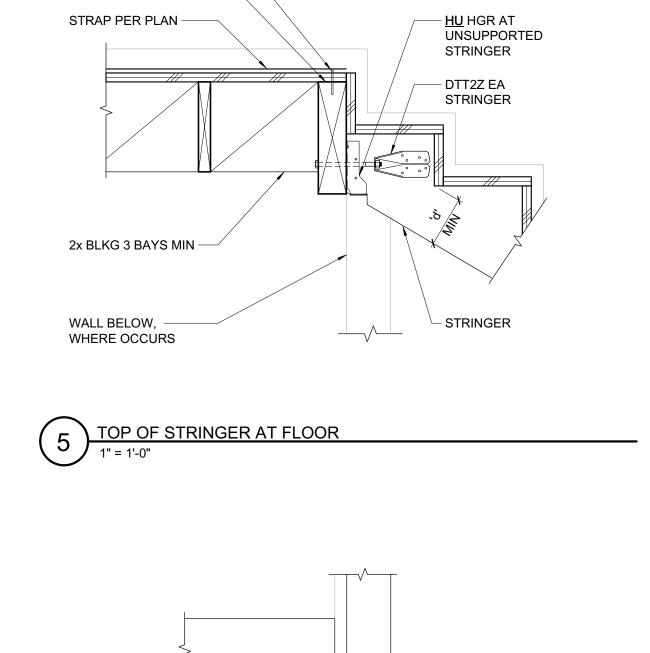
1" = 1'-0"

TITEN TURBO TO CONCRETE

AND (4) 1/4 "Ø x11/2" SDS TO BLK

@ 36"oc (3 MIN)

FLOOR PEN -



- 2x BLOCKING AT STRINGER

CONT 2x6 SPACER W/

(3) 16d NAILS TO

EACH WALL STUD

FLOOR PEN -

HEADER PER PLAN

AT STAIR OPENING

STRINGER W/ (2) ROWS OF -

16d NAILS @ 12" oc

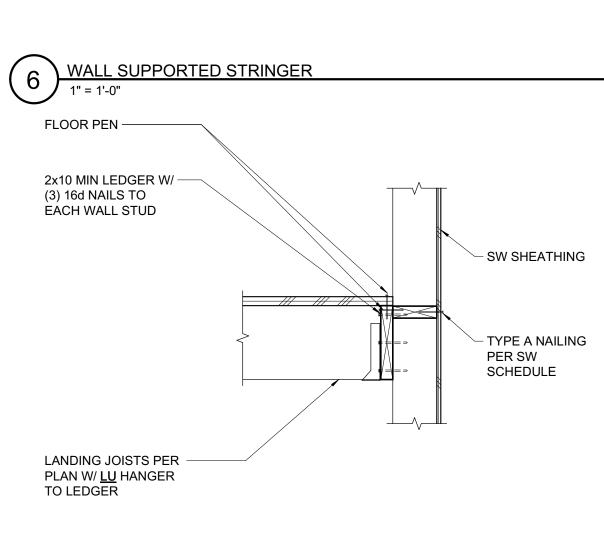
STAGGERED TO 2x

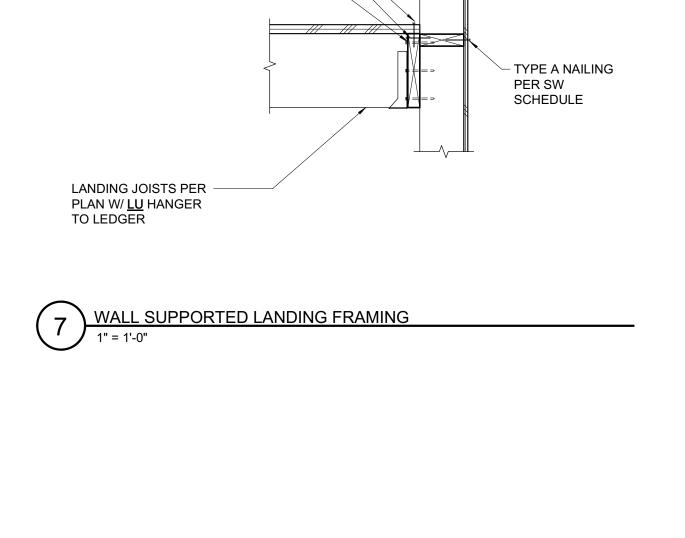
SPACER

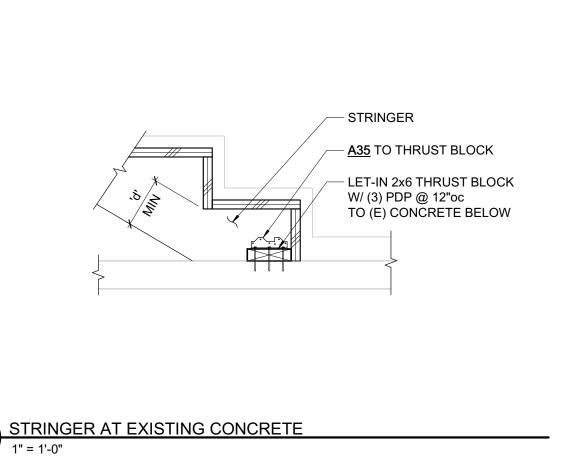
(E) CONCRETE

FOR INFORMATION NOT NOTED SEE 6

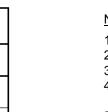
RETAINING WALL







	STRINGER SCHEDULE											
	MAX SPAN	'd'	MATERIAL									
	4'-0"	4"	LVL 2.0E									
	8'-0"	7"	LVL 2.0E									
AIR	FRAMING											



1. MIN SIZES UNLESS LARGER DIMENSIONS SHOWN ON PLANS.

2. STRINGERS AT EACH SIDE OF EACH STAIR, (2) STRINGERS MIN. 3. SPAN = LENGTH OF STRINGER.

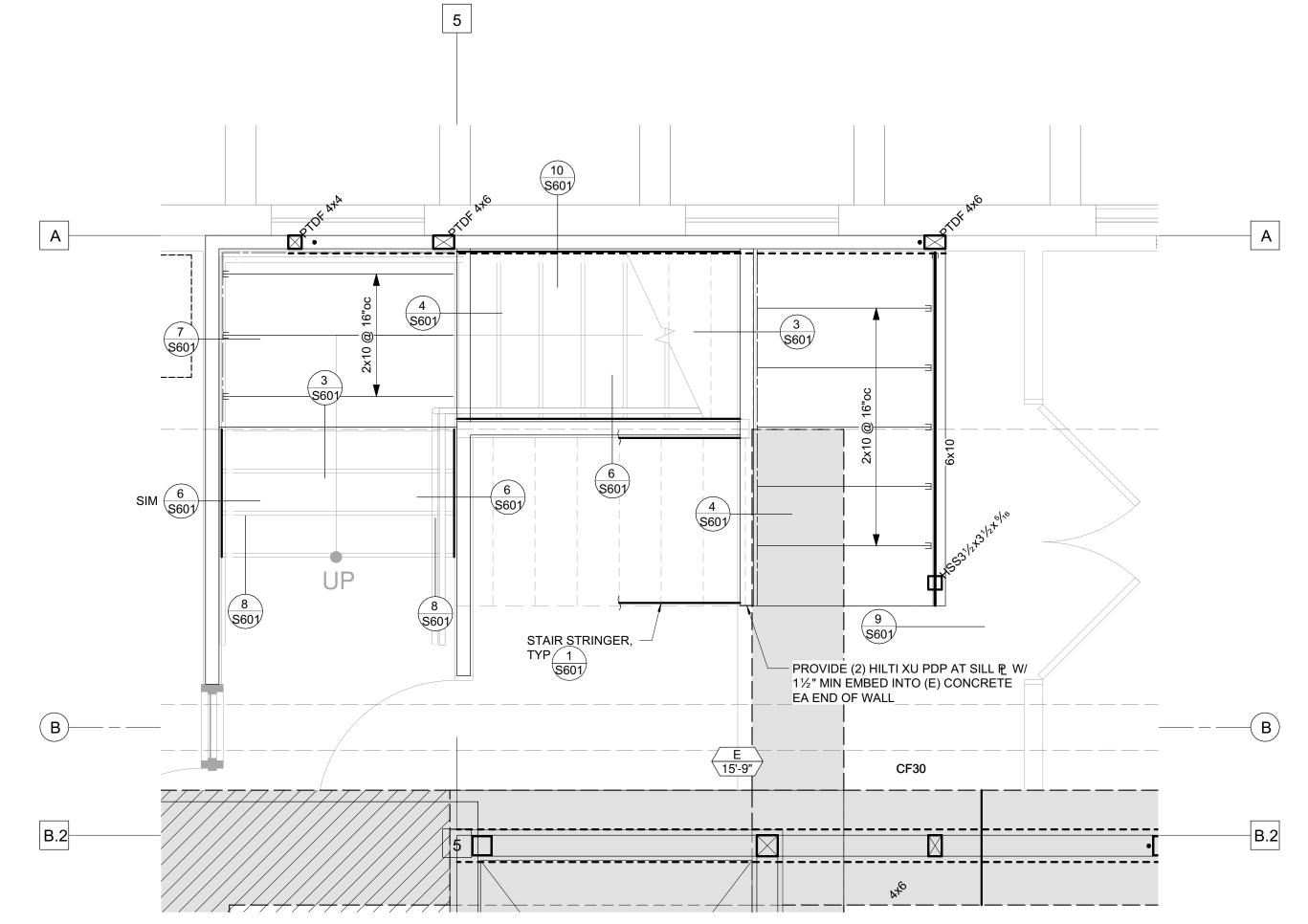
4. ALTERNATE FRAMING DETAILS AND CONFIGURATIONS ARE ACCEPTABLE ONLY IF APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

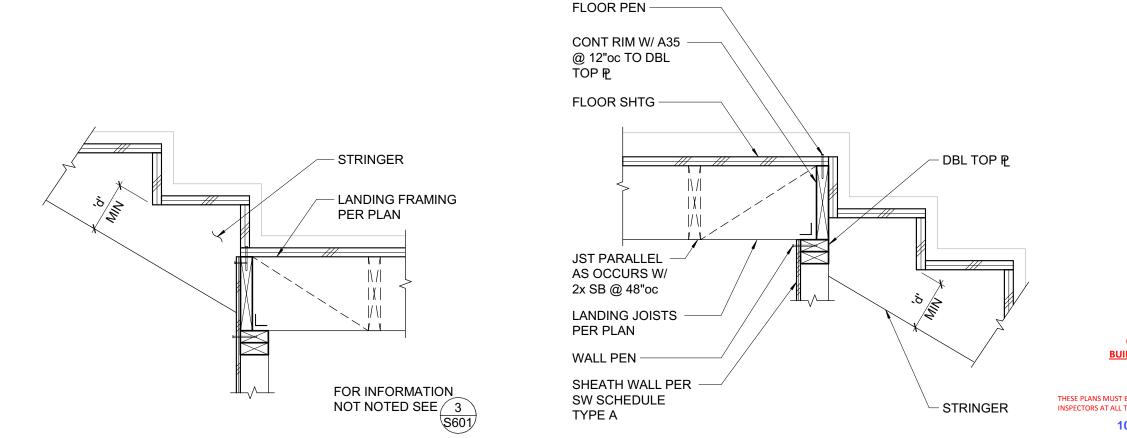
5. SAD FOR RISE:RUN DIMENSIONS.

6. SAD FOR TREAD AND FINISH INFORMATION.

STAIR LANDING PLAN

1/2" = 1'-0"





CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO 10:11 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN

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By: ROSALINA ACUFF

STAIR FRAMING **DETAILS**

JOB NO.

DESCRIPTION

S601

21479 KENSINGTON FIRE PROTECTION DISTRICT

PUBLIC SAFETY BUILDING

ZFA STRUCTURAL ENGINEERS

650.394.8869

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Structural Reviewed By: Kristen Palenchar 8:39 am, Aug 05, 2022

1390 el camino real | suite 100

san carlos ca 94070

zfa job no. 21479

STAMP

PROJECT ADDRESS

PROJECT TEAM

CLIENT:

ARCHITECT:

GEOTECH:

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KENSINGTON, CA 94707

KENSINGTON FIRE

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BKF ENGINEERS

HALEY ALDRICH

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T: (831) 373-4390

351 8TH STREET

T: (415) 255-9140

T: (415) 826-9626

DESCRIPTION

PRELIMINARY SCHEMATIC PRICING SET

50% DESIGN DEVELOPMENT

PLAN CHECK COMMENTS

PERMIT SUBMITTAL

100% DESIGN DEVELOPMENT

DATE

9/27/2021 11/19/2021

12/17/2021

4/01/2022

7/22/2022

ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26

SAN FRANCISCO, CA 94103

SAN FRANCISCO, CA 94110

CONTACT: HENRY TOORYANI

CONTACT: PETER MCDONALD

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1956 WEBSTER ST #300 OAKLAND, CA 94612

LIST ENGINEERING CO.

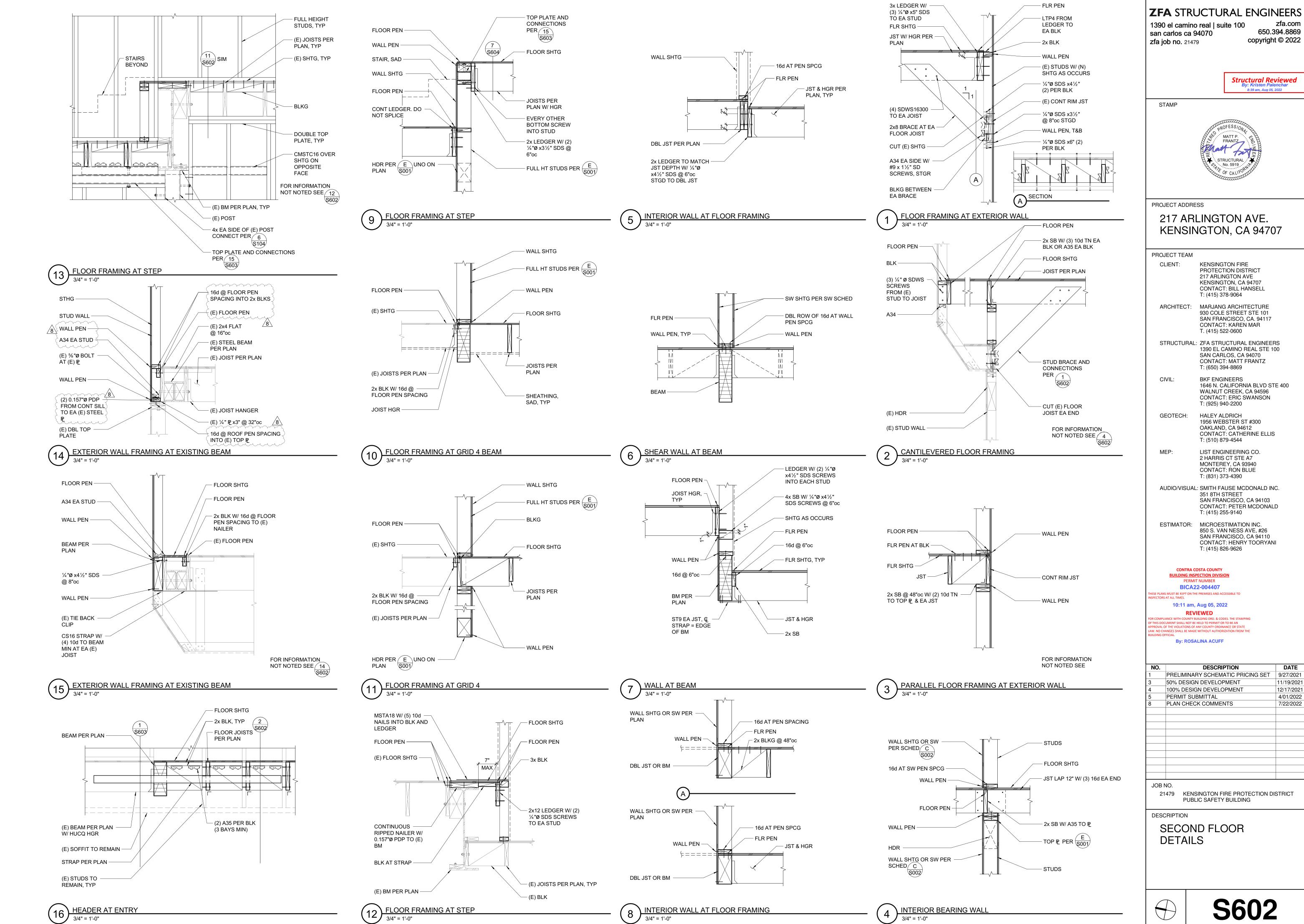
2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE

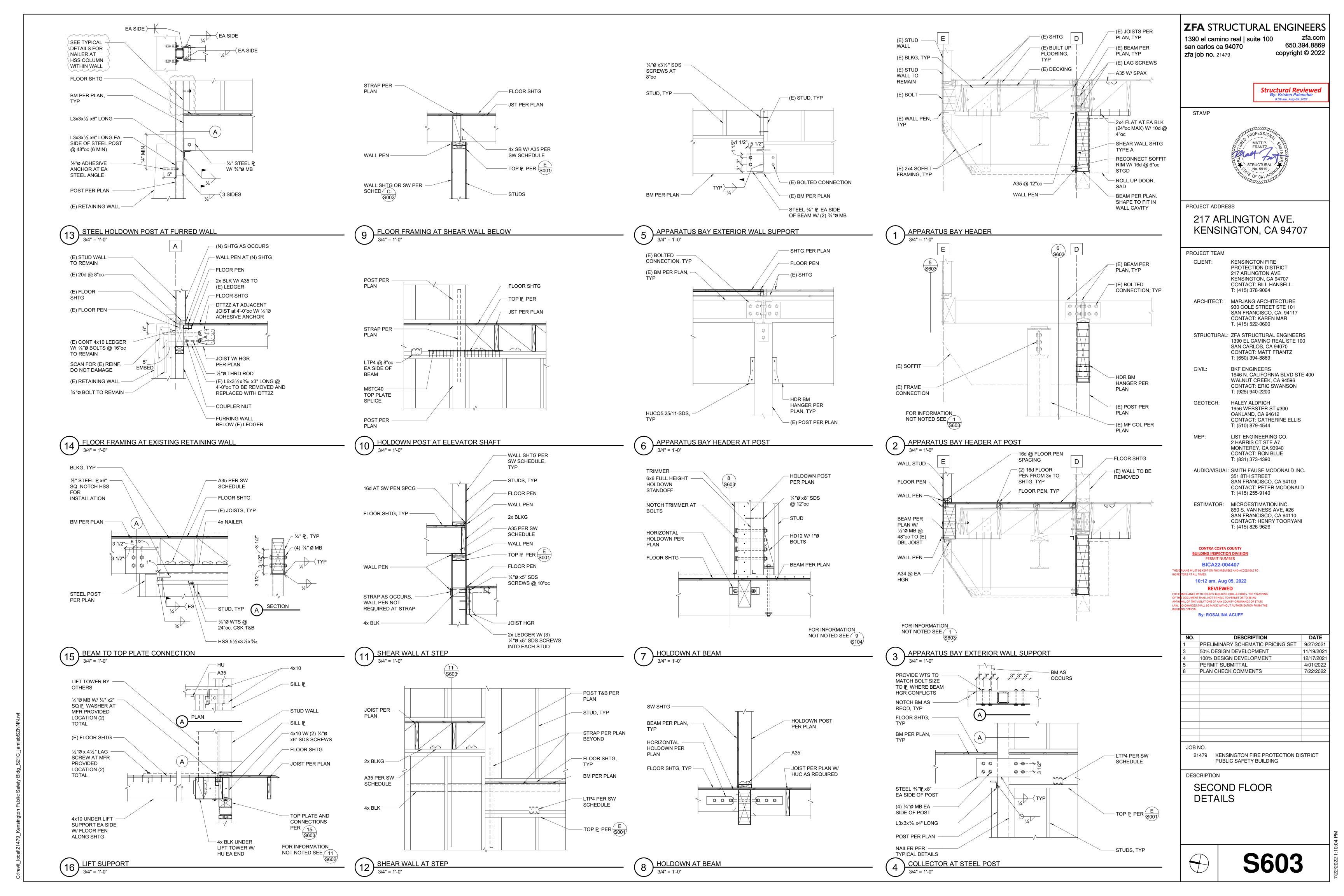
CONTACT: CATHERINE ELLIS

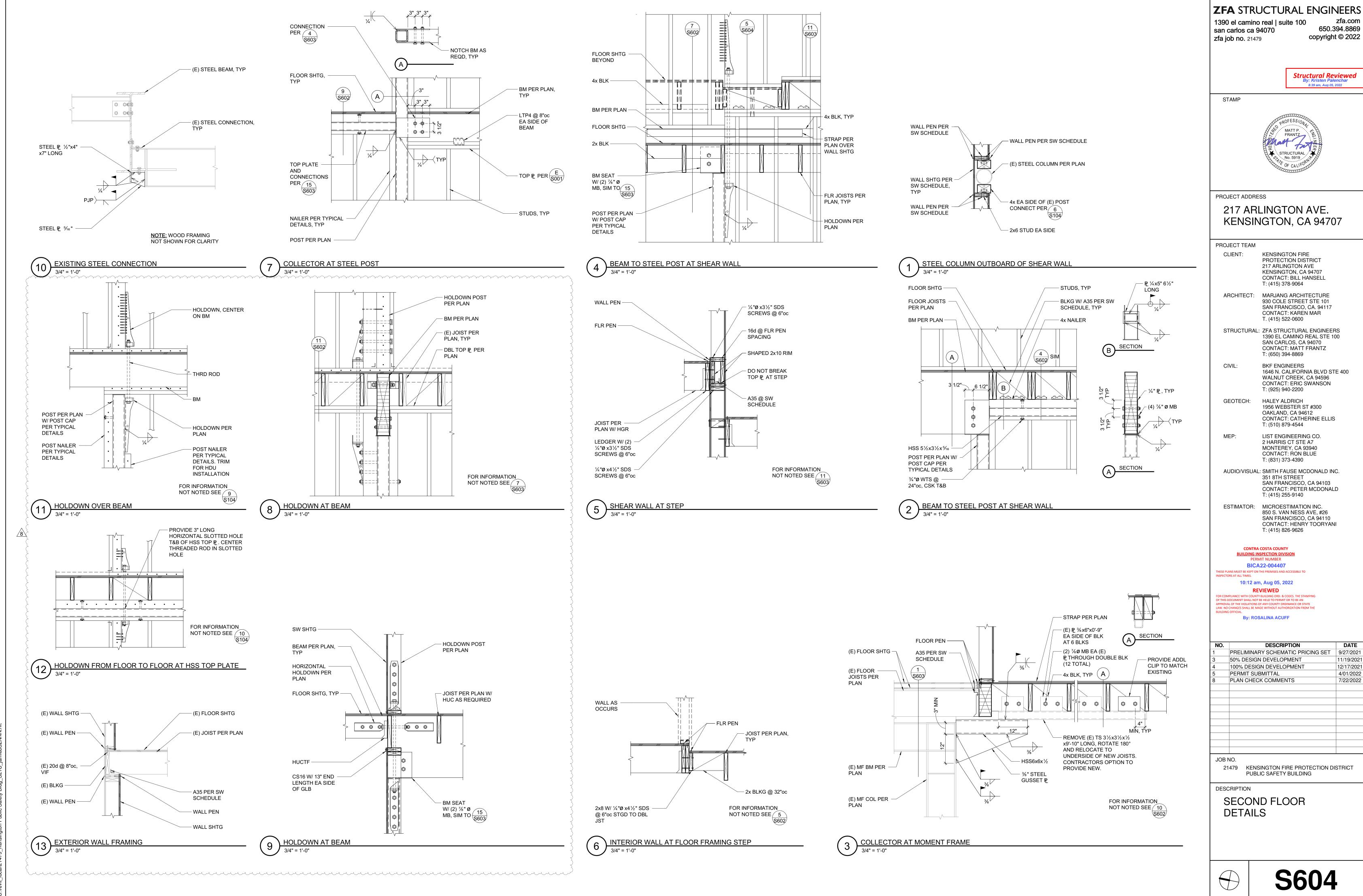
SAN FRANCISCO, CA. 94117

1390 EL CAMINO REAL STE 100

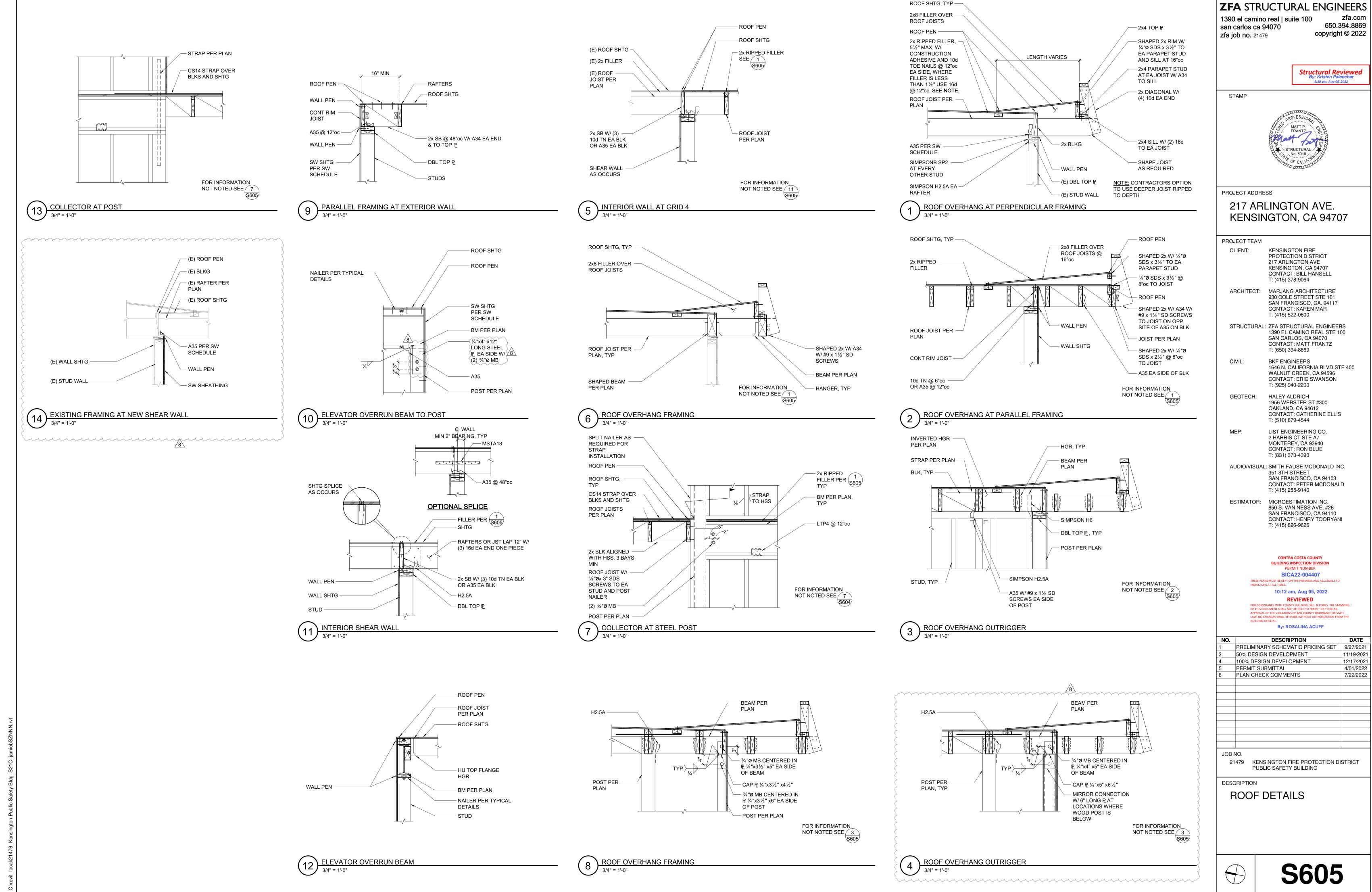
1646 N. CALIFORNIA BLVD STE 400







	DESCRIPTION	DATE
	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
	50% DESIGN DEVELOPMENT	11/19/2021
	100% DESIGN DEVELOPMENT	12/17/2021
	PERMIT SUBMITTAL	4/01/2022
	PLAN CHECK COMMENTS	7/22/2022
ΒN	NO.	
21	479 KENSINGTON FIRE PROTECTION DIS	STRICT



CODE	DESCRIPTION	LOCATION	SIZE	MAX CFM	MAX SP	NECK SIZE	BLADE SPACING	BLADE DEFLECTION	MTG	PN	MFR	REMARKS
SD-1	SUPPLY DIFFUSER	MEETING	10' LONG, 1" SLOT WIDTH	370	0.02"	10"			CEILING	FT-10 - 2-SLOT	TITUS	HIGHTHROW W/ TITUS PLENUM, 1.
SR-1	SUPPLY REGISTER	MULTIPLE	8" x 6"	60	0.02"		3/4"	35	WALL	301RL	TITUS	1.
SR-2	SUPPLY REGISTER	MULTIPLE	12" x 6"	120	0.02"		3/4"	35	WALL	301RL	TITUS	1.
SR-3	SUPPLY REGISTER	EXERCISE	18" x 6"	190	0.02"		3/4"	35	WALL	301RL	TITUS	1.
SR-4	SUPPLY REGISTER	KITCHEN	24" x 12"	600	0.02"		3/4"	35	WALL	301RL	TITUS	1.
SR-5	SUPPLY REGISTER	DORM	8" x 6"	50	0.02"		3/4"	35	FLOOR	301RL	TITUS	1.
RG-1	RETURN GRILLE	KITCHEN	18" x 14"	485	0.02"		3/4"	35	WALL	350RL	TITUS	1.
EG-1	EXHAUST GRILLE	ASSEMBLY BAY	24" x 4"	140	0.02"		3/4"	0	SIDE OF DUCT	S300FS	TITUS	PROVIDE WITH AIR SCOOP DAMPER, 1.
EG-2	EXHAUST GRILLE	ASSEMBLY BAY	18" x 8"	280	0.03"		3/4"	0	BOTTOM OF DUCT	S300FS	TITUS	PROVIDE WITH AIR SCOOP DAMPER, 1.
EG-3	EXHAUST GRILLE	ASSEMBLY BAY	42" x 18"	1500	0.02"		3/4"	0	BOTTOM OF DUCT	350RS	TITUS	1.
EG-4	EXHAUST GRILLE	MULTIPLE	12" x 12"	60	0.01"	6"			CEILING	PAR	TITUS	1.
EG-5	EXHAUST GRILLE	MEETING	24" X10"	450	0.02"		3/4"	35	WALL	350RL	TITUS	1.
EG-6	EXHAUST GRILLE	MULTIPLE	8" x 6"	30	0.01"		3/4"	35	WALL	350RL	TITUS	1.
EG-7	EXHAUST GRILLE	KITCHEN	18" x 12"	405	0.02"		3/4"	35	WALL	350RL	TITUS	1.
EG-8	EXHAUST GRILLE	MULTIPLE	18" x 6"	190	0.02"		3/4"	35	WALL	350RL	TITUS	1.
EG-9	EXHAUST GRILLE	LAUNDRY	12" x 8"	50	0.01"		3/4"	35	WALL	350RL	TITUS	1.
TG-1	TRANSFER GRILLE	MULTIPLE	12" x 12"	50	0.01"	6"			CEILING	PAR	TITUS	1.
TG-2	TRANSFER GRILLE	MULTIPLE	14" x 6"	50	0.01"		3/4"	35	WALL	350RL	TITUS	1.
TG-3	TRANSFER GRILLE	MULTIPLE	18" x 10"	100	0.01"		3/4"	35	WALL	350RL	TITUS	1.

NOTES:

1. SEE ARCH PLAN FOR COLOR AND FINISH.

FIRE DAM	IPER SCHEDULE									
CODE	MFR	MODEL	CFM MAX	DUCT SIZE	WIDTH IN.	HEIGHT IN.	VELOCITY FPM	LEAKAGE CLASS	PRESSURE DROP (IN.)	COMMENTS
FD-1	RUSKIN	FD-60	30	6	8	10	500	1	0.04	1., 2.
FD-2	RUSKIN	FSD-60M	120	8	12	10	500	1	0.02	1., 2., 3.
FD-3	RUSKIN	FD-60	100	8	12	10	500	1	0.02	1., 2.
FD-4	RUSKIN	FD-60	850	SEE PLAN	16	16	500	1	0.02	1., 2.
FD-5	RUSKIN	FSD-60M	190	8	12	12	500	1	0.02	1., 2., 3.
FD-6	RUSKIN	FD-60	360	10	12	12	700	1	0.07	1., 2.
FD-7	RUSKIN	FSD-60M	405	12	12	12	760	1	0.08	1., 2., 3.

NOTES:

- 1-1/2 HR RATED DAMPER.
- SEE DETAIL 11 AND 12/M601 FOR DETAIL
- FSD-60M IS SPECIFIED FOR ITS FIRE DAMPER AND VOLUME CONTROL DAMPER FUNTIONS. SMOKE DAMPER FUNCTION IS NOT REQUIRED.

IF SPACE ALLOWS, FSD-60M CAN BE REPLACED WITH FD-60 AND SEPARATE VOLUME CONTROL DAMPER. CONTRACTOR TO VIF.

LOUVER	SCHEDULE							
CODE	LOCATION	SIZE (IN)	FREE AREA SQ IN	CFM	PRESS. DROP	P/N	MFG.	REMARKS
EH-1	ROOF	26"L x 26"W x 16"H	-	2400	0.04	WRH	GREENHECK	2.
DL-1	ASSEMBLY BAY	-	1150	2,400	0.1	-	-	1.
DL-2	ASSEMBLY BAY	-	360	750	0.1	-	-	1.

^^^^^

- 1. SEE ARCHITECTURAL PLAN.
- 2. PROVIDE ROOF CURB AND BDD.

SYMBOLS & ABBREVIATIONS (MECHANICAL)

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

GENERAL MECHANICAL NOTES

- 1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA MECHANICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA BUILDING CODE, NATIONAL FIRE PROTECTION CODES, AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING THE 2019 CALIFORNIA ENERGY CONSERVATION STANDARDS OF TITLE 24.
- 2. LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES ARE DETAILED ON THE ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM ELEVATIONS.
- 3. LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT SUPPORTS ARE DETAILED ON THE STRUCTURAL AND ARCHITECTURAL PLANS.
- 4. PLATFORMS, CURBS AND FLASHING FOR EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS. COORDINATE THE EXACT SIZES OF REQUIRED OPENINGS AND SUPPORT FOR THE FURNISHED EQUIPMENT.
- 5. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- 6. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH THE APPLICABLE SMACNA STANDARDS.
- 7. DUCTWORK SHALL BE INSULATED WITH 2" FIBERGLASS INSULATION AND ALL SERVICE JACKET. PROVIDE 1" ACOUSTICAL LINER WHERE SHOWN ON PLANS. DUCT DIMENSIONS ON PLANS ARE NET CLEAR INTERIOR.
- 8. MANUAL DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES AND REGISTERS.
- 9. ALL EQUIPMENT, DUCTS, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
- 10. PIPES AND DUCTWORK SHALL BE SUPPORTED AND BRACED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS."
- 11. EXPOSED PIPING ALLOWED ONLY WHERE INDICATED. PROVIDE ESCUTCHEONS IN FINISHED AREAS.
- 12. PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR EQUIPMENT PROVIDED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EQUIPMENT.
- 13. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED BY AN APPROVED MATERIAL AS PRESCRIBED IN CBC SECTION 714.
- 14. REFER TO STRUCTURAL DRAWING FOR LOCATIONS OF BEAMS, SHEAR WALLS AND MEMBERS. ALL DRILLING OF STRUCTURAL BEAMS AND MEMBERS TO BE COORDINATED WITH THE STRUCTURAL ENGINEER. ALL HOLES SHALL BE MINIMUM SIZE AND APPROVED BY STRUCTURAL ENGINEER PRIOR
- 15. FIELD VERIFY LOCATION AND SIZE OF ALL EXISTING PIPING, DUCTWORK AND EQUIPMENT PRIOR TO FABRICATION OF ANY NEW WORK.
- 16. STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36. BOLTS SHALL CONFORM TO ASTM A-307. FABRICATION, ERECTION, WELDING AND PAINTING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS. ALL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED.
- 17. DUCTWORK VISIBLE THROUGH DIFFUSERS AND REGISTERS SHALL BE PAINTED FLAT BLACK.
- 18. INSULATION MATERIAL SHALL MEET THE STATE QUALITY STANDARD PER SECTION 120.4 OF THE 2019 CALIFORNIA ENERGY CODE (CEC).
- 19. DOORS AND WINDOWS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 118
- SECTION 120.3 AND TABLE 120.3-A.

20. ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF

21. ALL HVAC SYSTEMS SHALL MEET THE CONTROL REQUIREMENTS PER SECTIONS 112 AND 122 CEC.

AND 120-129 CEC.

22. ALL HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE REQUIREMENTS OF SECTIONS 111-113, 115,

DRAWING INDEX DRAWING DESCRIPTION MECHANICAL TITLE SHEET MECHANICAL SCHEDULES TITLE-24 DOCUMENTS TITLE-24 DOCUMENTS TITLE-24 DOCUMENTS TITLE-24 DOCUMENTS MECHANICAL GROUND FLOOR PLAN MECHANICAL SECOND FLOOR PLAN MECHANICAL ROOF PLAN MECHANICAL DETAILS MECHANICAL SYSTEM SCHEMATIC DIAGRAM

> **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

> > 10:13 am, Aug 05, 2022

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By: ROSALINA ACUFF

INSPECTORS AT ALL TIMES.

List Engineering Mechanical Consultants

2 Harris Court Suite A7, Monterey, CA 93940 Telephone (831) 373-4390 / Facsimile (831) 373-6522 www.listengineering.com © LEC 2021 Job No. 21025.00

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

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

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DESCRIPTION DATE ISSUED FOR BUILDING PERMIT 04-01-22 8 PLAN CHECK COMMENTS 07-22-22 JOB NO.

DESCRIPTION

MECHANICAL TITLE SHEET

M001

VRF OUTDOOR UNIT SCHEDULE NOMINAL CAPACITY CAPACITY (BTUH) DESCRIPTION LOCATION MCA MOCP ELECT **EFFICIENCY** REFRIGERANT CONTROL WEIGHT SIZE PART NUMBER MFG REMARKS TONS COOLING HEATING V/PH EER/SEER (LBS) LxWxH(IN) OU-1 HEAT RECOVERY VRF CONDENSER ROOF 60,000 64,000 25 40 230/1 10/18.9 R-410A THERMOSTAT 260 37-13/32" x 13" x 54-11/32" ARUB060GSS4 LG 1, CONNECT TO BC-1 HEAT RECOVERY VRF CONDENSER ROOF 60,000 64,000 230/1 10/18.9 R-410A THERMOSTAT 37-13/32" x 13" x 54-11/32" ARUB060GSS4 LG 1, CONNECT TO BC-2 OU-2 5 25 40 260 HEAT RECOVERY VRF CONDENSER THERMOSTAT ARUB060GSS4 LG 1, CONNECT TO BC-3 OU-3 ROOF 60,000 64,000 25 40 230/1 10/18.9 R-410A 260 37-13/32" x 13" x 54-11/32" 5 37-13/32" x 13" x 32-27/32" OU-4 HEAT PUMP VRF CONDENSER ROOF 27,000 20 230/1 10.7/17 R-410A THERMOSTAT 159 ARUN024GSS4 LG 24,000 30

NOTES:

1. SERVICE VALVES, DISCONNECT, SEA COAST COATING, ROOF CURB, INSULATED REFER PIPING.

//ARK	DESCRIPTION	AREA SERVES	DCV	CAPACITY (BTUH)		CFM	OSA	ESP	El	ECTRIC	CAL	CONTROL	SOUND	WEIGHT	SIZE	PART	MFG	REMARKS
				CLG	HEATING		CFM	(IN)	MCA	MOCP	V/PH		dBA	(LBS)	(IN)	NO.		
IU-1	4-WAY CASSETTE (2x2)	LOBBY	-	5,500	6,100	265	60	-	0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	1., 2., CONNECT TO BC-1
IU-2	4-WAY CASSETTE (2x2)	STAFF	-	5,500	6,100	265	30	-	0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	1., 2., CONNECT TO BC-1
IU-3	4-WAY CASSETTE (3x3)	ADMINISTRATION	-	7,500	8,500	459	40	ı	0.71	15	230/1	THERMOSTAT	29	66.6	33-1/16" x 33-1/16" x 9-11/16"	ARNU073TNA4	LG	1., 2., CONNECT TO BC-1
IU-4	4-WAY CASSETTE (3x3)	MEETING	-	9,600	10,900	477	80	ı	0.71	15	230/1	THERMOSTAT	29	66.6	33-1/16" x 33-1/16" x 9-11/16"	ARNU093TNA4	LG	1., 2., CONNECT TO BC-1
IU-5	WALL MOUNT	MEETING	-	12,300	13,600	300	-	1	0.31	15	230/1	THERMOSTAT	37	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU123SJR4	LG	2., CONNECT TO BC-1
IU-6	4-WAY CASSETTE (2x2)	HALL 1	-	5,500	6,100	265	50	1	0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	1., 2., CONNECT TO BC-1
IU-7	4-WAY CASSETTE (2x2)	HALL 2	-	5,500	6,100	265	50	-	0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	1., 2., CONNECT TO BC-2
IU-8	WALL MOUNT	DORM 1	-	5,500	6,100	240	-	-	0.31	15	230/1	THERMOSTAT	30	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU053SJR4	LG	2., CONNECT TO BC-2
IU-9	WALL MOUNT	DORM 2	-	5,500	6,100	240	-	-	0.31	15	230/1	THERMOSTAT	30	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU053SJR4	LG	2., CONNECT TO BC-2
IU-10	WALL MOUNT	DORM 3	-	5,500	6,100	240	-	-	0.31	15	230/1	THERMOSTAT	30	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU053SJR4	LG	2., CONNECT TO BC-2
IU-11	WALL MOUNT	HALL 3	-	5,500	6,100	240	-	-	0.31	15	230/1	THERMOSTAT	30	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU053SJR4	LG	2., CONNECT TO BC-2
IU-12	WALL MOUNT	EXERCISE	-	15,400	17,100	371	-	-	0.31	15	230/1	THERMOSTAT	42	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU153SJR4	LG	2., CONNECT TO BC-2
IU-13	WALL MOUNT	DAYROOM	-	7,500	8,500	254	-	-	0.31	15	230/1	THERMOSTAT	32	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU073SJR4	LG	2., CONNECT TO BC-3
IU-14	WALL MOUNT	DAYROOM	-	7,500	8,500	254	-	-	0.31	15	230/1	THERMOSTAT	32	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU073SJR4	LG	2., CONNECT TO BC-3
IU-15	WALL MOUNT	CAPTAIN'S OFFICE	-	5,500	6,100	240	-	-	0.31	15	230/1	THERMOSTAT	30	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU053SJR4	LG	2., CONNECT TO BC-3
IU-16	WALL MOUNT	OFFICE 1	-	5,500	6,100	240	-	-	0.31	15	230/1	THERMOSTAT	30	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU053SJR4	LG	2., CONNECT TO BC-3
IU-17	MID STATIC DUCTED	KITCHEN	-	24,200	27,300	600	115	0.59	2.00	15	230/1	THERMOSTAT	51	59	37" x 29" x 11"	ARNU243M1A4	LG	2., 3., 4., CONNECT TO BC-3
IU-18	WALL MOUNT	IT/ELEC	-	24,200	25,600	537	-	-	0.65	15	230/1	THERMOSTAT	46	29.5	39-5/16" x 13-9/16" x 3-3/8"	ARNU243SKR4	LG	2., 5., CONNECT TO OU-4
				EACH PORT	SUM OF PORTS													
BC-1	6-Branch Unit	1ST FLOOR		60,000	230,000	_			0.27		230/1		38	68	31-1/4" x 18-15/16" x 8-5/8"	PRHR063A	LG	3,
BC-2	6-Branch Unit	DORMS, HALL 2&3, Exercise		60,000	230,000	_			0.27		230/1		38	68	31-1/4" x 18-15/16" x 8-5/8"	PRHR063A	LG	3.
BC-3	6-Branch Unit	OFFICES, KITCHEN, DAYROOM		60,000	230,000				0.27		230/1		38	68	31-1/4" x 18-15/16" x 8-5/8"	PRHR063A	LG	3.

NOTES:

- 1. PROVIDE OUTSIDE AIR INTAKE KIT (PTVK430) AND FLEXIBLE CONNECTIONS TO AIR DUCT.
- 2. EC TO PROVIDE DISCONNECT TO UNIT. PROVIDE CONDENSATE PUMP TO EACH INDOOR UNIT IF IT IS NOT ALREADY AVAILABLE.
- 3. PROVIDE SECONDARY DRAIN PAN W/ WATER DETECTION ALARM THAT SHUTS OFF UNIT IF ACTIVATED.
- 4. PROVIDE FLEXIBLE CONNECTIONS TO AIR DUCTS.
- 5. COOLING ONLY. DISABLE HEATING FUNCTION.

INFRARED RA	DIANT HEATER												
MARK	DESCRIPTION	LOCATION	HIGH INPUT BTUH	LOW INPUT BTUH	GAS PIPE	AMP	ELECT	CONTROL	WEIGHT	SIZE	PART NUMBER	MFG	REMARKS
					CONNECTION		V/PH		(LBS)	L x W x H (IN)			
IR-1	INFRARED GAS HEATER	ASSEMBLY BAY	35,000	24,000	1/2" NPT	0.1	120/1	MANUAL TIMER	55	48" x 12" x 10"	RSW35-N2	STERLING	1.
IR-2	INFRARED GAS HEATER	ASSEMBLY BAY	35,000	24,000	1/2" NPT	0.1	120/1	MANUAL TIMER	55	48" x 12" x 10"	RSW35-N2	STERLING	1.
IR-3	INFRARED GAS HEATER	ASSEMBLY BAY	35,000	24,000	1/2" NPT	0.1	120/1	MANUAL TIMER	55	48" x 12" x 10"	RSW35-N2	STERLING	1.
IR-4	INFRARED GAS HEATER	ASSEMBLY BAY	35,000	24,000	1/2" NPT	0.1	120/1	MANUAL TIMER	55	48" x 12" x 10"	RSW35-N2	STERLING	1.
IR-5	INFRARED GAS HEATER	ASSEMBLY BAY	35,000	24,000	1/2" NPT	0.1	120/1	MANUAL TIMER	55	48" x 12" x 10"	RSW35-N2	STERLING	2.
IR-6	INFRARED GAS HEATER	ASSEMBLY BAY	35,000	24,000	1/2" NPT	0.1	120/1	MANUAL TIMER	55	48" x 12" x 10"	RSW35-N2	STERLING	2.

NOTES:

- 1. PROVIDE HEAT SHEILD AND MOUNTING. CEILING MOUNT HORIZONTALLY. INSTALL PER MANUFACTURER INSTRUCTIONS W/ MANUFACTURER RIGID HANGING BRACKETS. FOR EACH HEATER, ROOM EXHAUST TO BE AT LEAST 4 CFM/ 1000 BTUH INPUT.
- 2. PROVIDE HEAT SHEILD AND MOUNTING. WALL MOUNT AT 30 DEGREES. INSTALL PER MANUFACTURER INSTRUCTIONS W/ MANUFACTURER RIGID HANGING BRACKETS. FOR EACH HEATER, ROOM EXHAUST TO BE AT LEAST 4 CFM/ 1000 BTUH INPUT.

ENERGY RE	COVERY VENTILATOR																	
CODE	DESCRIPTION	LOCATION	EXHAUST	OUTSIDE AIR	EA	OSA	EA	OSA	MCA	MOP	ELECT	EMERGENCY	CONTROL	SIZE	WEIGHT	PART	MFG	REMARKS
			CFM	CFM	ESP	ESP	HP	HP			V/PH	POWER		L x W x H (IN)	(LBS)	NO.		
ERV-1	AIR TO AIR HEAT EXCHANGER	ROOF	1,475	1,535	1"	1"	1.5	2	29.0	35	208/1	YES	SEE NOTE 2.	68-1/4" x 68-1/4" x 66-1/4"	1,980	RERV 1533	SPINNAKER	1., 2., 3., 4.

NOTES:

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

FREQUENCY	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 KHZ
SOUND POWER LEVEL (DB) @ FREQUENCY	95	100	93	88	84	82	79	76

- 2. FANS AND HEAT WHEEL TO RUN CONTINUOUSLY. OSA DAMPER TO CLOSE WHEN ERV IS OFF.
- 3. WRAP ERV WITH SOUND DEADENING MATERIAL (MANUFACTURER: PIPE AND DUCT LAGGING. MODEL: B-10 LAG/QFA-9. 2 LB BARRIER WITH 2" THICK FIBERGLASS DECOUPLER). WEIGHT INCLUDED IN ERV.
 - PROVIDE SOUND ATTENUATOR SA-1 AT OUTSIDE SUPPLY AIR INLET AND SOUND ATTENUATOR SA-2 AT EXHAUST OUTLET OF ERV. WRAP SOUND ATTENUATORS W/ SOUND DEADENING MATERIAL (PIPE AND DUCT LAGGING B-10 LAG/QFA-9).

CODE	MANUFACTURER/ MODEL	DIMENSION	PRESSURE	WEIGHT	SOUND TRANSMISSION LOSS (DB) AT FREQUENCY (HZ)								
			DROP		31.5 HZ	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 KHZ
	PIPE AND DUCT LAGGING/ B-10 LAG/QFA-9	-	-	2 LB/SQFT	-	-	21	24	29	41	54	68	-
SA-1	IAC ACOUSTICS/ 3LFL	20" x 14" x 36"	0.05"	34 LB	0	4	7	13	17	17	11	11	10
SA-2	IAC ACOUSTICS/ 3LFL	13" x 12" x 36"	0.17"	21 LB	0	4	8	13	19	20	12	11	9

FAN SCH	HEDULE												
CODE	MFR	MODEL	CFM	ESP IN	FAN	ELECTRICAL			SIZE (IN)	WEIGHT (LBS)	AREAS SERVED	SONES	COMMENTS
				(IN)	RPM	BHP	HP	V/PH		(LB)			
EF-1	CAPTIVEAIRE	SIF18DD-HE	2,400	0.5"	1105	0.470	1	208/3	28" x 28" x 38"	265	ASSEMBLY BAY	8.9	1., 2., 3.

NOTES

1. MOTOR STARTER, DISCONNECT, 2" DEFLECTION SPRING ISOLATORS, FLEX CONNECTIONS, BDD, BELT GUARD, MOUNTING BRACKETS

- 2. RUN CONTINUOUSLY.
- 3. 3-PHASE FAN WITH VFD THAT ACCEPTS SINGLE PHASE INPUT.



STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

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NO. DESCRIPTION DATE ISSUED FOR BUILDING PERMIT 04-01-22 8 PLAN CHECK COMMENTS 07-22-22 JOB NO.			
8 PLAN CHECK COMMENTS 07-22-22	NO.	DESCRIPTION	DATE
	$\overline{\wedge}$	ISSUED FOR BUILDING PERMIT	04-01-22
JOB NO.	7 8\	PLAN CHECK COMMENTS	07-22-22
JOB NO.			
	JOB N	NO.	

DESCRIPTION

CONTRA COSTA COUNTY
BUILDING INSPECTION DIVISION
PERMIT NUMBER
BICA22-004407

10:13 am, Aug 05, 2022

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL.

BY: ROSALINA ACUFF

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

MECHANICAL SCHEDULES

M002

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction. Fhis table demonstrates compliance for prescriptive roof assembly requirements in <u>\$140.3(a)1B</u> for new construction or additions, or <u>\$141.0(b)2Biii</u> for alterations, 01 Indicate roof types included in the project: 🛛 Framed 🔲 SIPS 🔲 Span Deck & Concrete 🖂 Metal Panels 🗀 Metal Building Include Framed Roof Assemblies in Area-Weighted Average U-factor Calculation 1 Exception to Roof Insulation Requirements in §141.0(b)2Biji (Alts. Only) Occupancy Type Relocatable 1 CZ Nonresidential/ Relocatable 1 CZ Nonresidential/ Relocatable 1 CZ Nonresidential/ Relocatable 1 CZ Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23 Schema Version: rev 20200601

217 Arlington Ave. Date Prepared

Relocatable Public School Building for use in

Registration Date/Time:

217 Arlington Ave. Date Prepared

Floors

(See Table I)

Report Version: 2019.1.003

Schema Version: rev 20200601

Doors

(See Table J)

(See Table K)

all climate zones Occupancy: E

05 # of Stories (Habitable Above Grade)

7 Total Unconditioned Floor Area (ft²)

height of at least 15 ft.¹

☑ I Roof Assembly

Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling

High-Rise Residential

Occupancy: R-2 / R-3

Component Types

Daylighting Spaces >

5.000ft²

(See Table L)

Walls

Floors

Walls

Floors

Walls

06 Total Conditioned Floor Area (ft²)

Kensington Public Safety Building Report Page: (Page 3 of 15) 217 Arlington Ave. Date Prepared: 3/9/2022 Nonresidential/ new code roof New Relocatable 1 CZ Nonresidential/ Roof new code roof Relocatable 1 CZ Nonresidential/ code roof 2 Roof Relocatable 1 CZ 16 Cavity How Design Roof Type & U-factor was sulation per isulation pe erformance Thermal U-factor per Design Net Area³ ft Frame Materia Depth Design Design Unit Performance determined per JA4 Roof JA4 Tables 0.0 15.0 U-factor 0.082 Wood er Software, 0.0809 Other Roof JA4 Tables 0.0 15.0 U-factor 0.082 per Software 0.0809 Other per JA4 Roof 0.0 15.0 U-factor 0.082 570 JA4 Tables Wood per Software/ 0.0809 Other per JA4 Roof JA4 Tables Wood 0.0 15.0 U-factor 0.082 per Software/ 0.0809 Other per JA4 Roof 0.0 30.0 0.034 130 JA4 Tables Wood U-factor per Software 0.0339 Other per JA4 30.0 0.034 Roof JA4 Tables 0.0 U-factor 130 Wood 0.0339 Other

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

3227

1570

Hotel/Motel Guest Rooms

Exterior Doors

Fenestration/Glazing Doors

1

Fenestration/ Glazing Doors

Exterior Doors NA. for Alts.

Exterior Doors

Fenestration/ Glazing Doors

Registration Provider: Energysoft

Report Generated: 2022-03-09 14:15:23

CALIFORNIA ENERGY COMMISSION

Compliance Results

COMPLIES

CALIFORNIA ENERGY COMMISSION

NRCC-ENV-I

(Page 2 of 15)

3/9/2022

Occupancy: R-1

(Page 1 of 15

3/9/2022

Envelope Component Approach CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ENV-E Project Name: Kensington Public Safety Building Report Page: (Page 4 of 15 Project Address: 217 Arlington Ave. Date Prepared

F. ROOF ASSEMBLY SCHEDULE Tag/Plan Detail Roof Type & Frame Spa U-factor was Thermal U-factor per Design Net Area³ ft rformance rame Material Depth Design Design Performance determined Unit per JA4 JA4 Tables 15.0 0.082 U-factor Wood 0.0809 Other OOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other of types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C. If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C. Roof area minus any fenestration/skylight area Structural Insulated Panels (SIPS) Roof/Ceiling Assemblies section does not apply to this project Span Deck And Concrete Roof Assemblies s section does not apply to this project Metal Panel Assemblies is section does not apply to this project. letal Building Roof Assemblies is section does not apply to this project. rea-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs 04 Area-weighted U-factor for Roof Type mpliance Results Using Area-Weighted Roof Type Total Area of Roof Type (ft²) Calculation Option Designed 593291200777831793|0.07495930967428293 2057 Framed 87457462 50218765

Registration Date/Time: Registration Provider: Energysoft Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23 Schema Version: rev 20200601

2057

a-Weighted Average U-factor Compliance Calculation for Metal Building Roof

0.076

0.075

COMPLIES

STATE OF CALIFORNIA **Envelope Component Approach**

Total for all Roof Types:

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE (Page 5 of 15 Project Name: Kensington Public Safety Building Report Page: Project Address: 217 Arlington Ave. Date Prepared: 3/9/202

F. ROOF ASSEMBLY SCHEDULE nis section does not apply to this project.

G. RATED ROOFING MATERIAL (COOL ROOF) his table demonstrates compliance with prescriptive roof material requirements in §140.3(a)1A for new construction or additions, or §141.0(b)2B for alterations. 03 04 10 06 Designed Material J-factor o Detail ID Name/Description Roof Material Status Occupancy Type Material Performance Performance Reflectance 0.1 Reflectance 0.1 Solar Reflectance To Be Determine 0.85 mittance I 0.75 Emittance Relocatable 1 CZ (Aged)/ Emittance 0.63 Reflectance 0.63 Nonresidential/ Solar Reflectance new code To Be Determined 0.75 Emittance mittance 0.85 Relocatable 1 CZ (Aged)/ Emittance

H. WALL ASSEMBLY SCHEDULE This table demonstrates compliance with prescriptive wall assembly requirements in §140.3(a)2 and §140.3(a)3 for new constructions or additions, or mandatory wall assembly equirements in $\S141.0(b)1B$ for alterations. Framed □Mass (new only) □Concrete Sandwich Panel (new only) □SIPS 01 Indicate wall types included in the project:1 Metal Panels Metal Building Spandrel/ Curtain Wall Straw Bale Log Home (new only) FOOTNOTES: Wall types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be clicked above and compliance demonstrated within this table. ☐ Calculate Area-Weighted Average U-factor for Metal Framed Walls¹ Include Wood Framed Walls in Area-Weighted Average U-factor Calculation I

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23 Schema Version: rev 20200601

STATE OF CALIFORNIA **Envelope Component Approach**

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ENV-Project Name: Kensington Public Safety Building Report Page: (Page 6 of 15 Project Address: 217 Arlington Ave. Date Prepared: 3/9/202

1. WALL ASSEMBLY SCHEDULE How Design Cavity Continuous Thermal Tag/Plan Detail rame Material, Occupancy & Thermal U-factor per Design U-factor was Location sulation per | Insulation per | Performance | Spacing & Depth Status Design Design Unit Performance determined per JA4 SW Exterior Nood 1/2" gyp 16 0.0 per U-factor 0.11 A4 Tables Exterior wall Relocatable 1 Software/ CZ: New per JA4 NW Exterior 0.0 0.11 per Exterior wall U-factor Relocatable 1 44 Tables Software/ Other per JA4 SW Exterior ood 1/2" gyp 16 per 0.0 0.11 Relocatable 1 Exterior wall U-factor Wall Software/ CZ: New Other per JA4 Nood 1/2" gyp 16 Exterior Wall 0.0 U-factor 0.11 Relocatable 1 Exterior wall Software/ CZ: New per JA4 nresidentia NE Exterior Wood 1/2" gyp 16 0.11 0.0 U-factor Relocatable 1 A4 Tables Exterior wall Software/ CZ: New Other per JA4 Wood 1/2" gyp 16 0.0 U-factor 0.11 per JA4 Tables Exterior Wall Relocatable 1 Exterior wall 0.11 Software/ CZ: New

STATE OF CALIFORNIA **Envelope Component Approach**

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ENV-E Kensington Public Safety Building Report Page: Project Name: (Page 7 of 15) Project Address: 3/9/202 217 Arlington Ave. Date Prepared

. WALL ASSEMBLY SCHEDULE Cavity How Design rame Material, ng/Plan Detail Area³ Thermal J-factor per Design -factor was ulation per nsulation per Performanc Spacing & Depth Status Design Unit Design Performance per JA4 SW Exterior ood 1/2" gyp 16' JA4 Tables 0.0 U-factor 0.11 telocatable 1 Exterior wall Software/ Other per JA4 NW Exterior ood 1/2" gyp 16' per JA4 Tables R 11 0.0 U-factor 0.11 Relocatable 1 Exterior wall Software/ Other per JA4 **NE Exterior** ood 1/2" gyp 16 R 11 0.0 0.11 JA4 Tables U-factor Relocatable 1 Exterior wall Wall Software/ CZ: New Other per JA4 **NE Exterior** ood 1/2" gyp 16 0.11 Relocatable 1 JA4 Tables Exterior wall R 11 0.0 U-factor Software/ CZ: New Other per JA4 **NE Exterior** ood 1/2" gyp 16 per JA4 Tables R 11 0.0 U-factor 0.11 Relocatable 1 Exterior wall Software, CZ: New Other per JA4 ood 1/2" gyp 16 per JA4 Tables Exterior wall R 11 0.0 U-factor 0.11 E Exterior Wall Relocatable 1 Software/ CZ: New Other

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23 Schema Version: rev 20200601

STATE OF CALIFORNIA **Envelope Component Approach**

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE (Page 8 of 15 Kensington Public Safety Building Report Page: 3/9/202 Project Address: 217 Arlington Ave. Date Prepared

H. WALL ASSEMBLY SCHEDULE How Design Cavity Thermal Required rame Material, Tag/Plan Detail Occupancy & Thermal U-factor was sulation per Insulation per Performance U-factor per Design Status Spacing & Depth Design Design determined Unit Performanc NE Exterior ood 1/2" gyp 16 R 11 0.0 0.11 JA4 Tables Relocatable 1 Exterior wall U-factor Software/ Other per JA4 NW Exterior ood 1/2" gyp 16' Relocatable 1 JA4 Tables Exterior wall R 11 0.0 U-factor 0.11 Wall (skylight) Software Other per JA4 /ood 1/2" gyp 16' E Exterior Wal Relocatable 1 JA4 Tables R 11 0.0 U-factor 0.11 Exterior wall (skylight) Software/ CZ: New per JA4 ood 1/2" gyp 16' R 11 0.0 U-factor 0.11 JA4 Tables Exterior wall Relocatable 1 Software/ CZ: New Other per JA4 ood 1/2" gyp 16 per R 11 0.0 U-factor 0.11 Relocatable 1 JA4 Tables Exterior wall Software/ CZ: New Other per JA4 W Exterior ood 1/2" gyp 16' per 0.0 0.11 Relocatable 1 JA4 Tables Exterior wall R 11 U-factor Software/ CZ: New Other

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23 INSPECTOR Schema Version: rev 20200601

STATE OF CALIFORNIA Envelope Component Approach NRCC-ENV-E

CALIFORNIA ENERGY COMMISSION LAY CERTIFICATE OF COMPLIANCE NRCC-ENV-(Page 9 of 15. Project Name: Kensington Public Safety Building Report Page: Project Address: 3/9/202 217 Arlington Ave. Date Prepared

I. WALL ASSEMBLY SCHEDULE How Design Cavity Continuous Thermal Occupancy & Thermal U-factor per Design Area U-factor was Location sulation per | Insulation per | Performance | Spacing & Depth Status Design Design Unit Performance determined per JA4 **NW Exterior** Vood 1/2" gyp 16 per JA4 Tables 0.0 U-factor 0.11 Exterior wal Relocatable 1 Software/ CZ: New Other per JA4 NW Exterior ood 1/2" gyp 16 R 11 per 0.0 U-factor 0.11 JA4 Tables Exterior wal Relocatable 1 Software/ Other per JA4 NW Exterior ood 1/2" gyp 16 per 0.11 lelocatable 1 JA4 Tables Exterior wall 0.0 U-factor Software/ CZ: New Other per JA4 **NE Exterior** ood 1/2" gyp 16' JA4 Tables R 11 0.0 U-factor 0.11 Relocatable 1 Exterior wall Software/ CZ: New OOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal framed walls may not be combined with other

vall types. Wood framed walls are combined with SIPS, spandrel & curtain, metal panel and straw bale wall types. The area-weighted compliance option is not available for alteration: onstrating compliance with R-values in Table 141.0-C. 2 If "R-value" is shown in cell 10 as the Thermal Performance Unit, the R-value shown here is for cavity insulation per $\S141.0(b)1B$.

³ Wall area minus any fenestration area

Mechanical Consultants

2 Harris Court Suite A7, Monterey, CA 93940 Telephone (831) 373-4390 / Facsimile (831) 373-6522 www.listengineering.com © LEC 2021 Job No. 21025.00

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

CONTACT: BILL HANSELL

PROJECT TEAM CLIENT: KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE KENSINGTON, CA 94707

T: (415) 378-9064 ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101 SAN FRANCISCO, CA. 94117 CONTACT: KAREN MAR

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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

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

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

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

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

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

CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION BICA22-004407

10:13 am, Aug 05, 2022 REVIEWED INTY BUILDING ORD. & CODES. THE STAMPING

NT SHALL NOT BE HELD TO PERMIT OR TO BE AN ATIONS OF ANY COUNTY ORDINANCE OR STATE HALL BE MADE WITHOUT AUTHORIZATION FROM TH

By: ROSALINA ACUFF

NO.	DESCRIPTION	DATE
$\overline{\wedge}$	ISSUED FOR BUILDING PERMIT	04-01-22
/ ₈ \	PLAN CHECK COMMENTS	07-22-22
JOB N	NO.	

DESCRIPTION

TITLE 24 DOCUMENTS

Registration Provider: Energysoft Registration Number: Registration Date/Time: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23 Schema Version: rev 20200601

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Number

Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Date/Time:

Report Generated: 2022-03-09 14:15:23

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Number:

Report Version: 2019.1.003

Registration Date/Time:

Schema Version: rev 20200601

Report Generated: 2022-03-09 14:15:23

Registration Provider: Energysoft

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ENV-E Project Name: Kensington Public Safety Building Report Page: (Page 10 of 15) Project Address: 217 Arlington Ave. Date Prepared:

H. WALL ASSEMBLY SCHEDULE						
Area-Weighted Average U-factor C	ompliance Calculation for Wood Fra	amed/ SIPs/ Spandrel/ Curtain/ M	letal Panel/ Straw Bale Wall Types			
01	02	03	04	05		
Wall Type	Total Area of Wall Type (ft ²)	Area-weighted U-fa	actor for Wall Type	Compliance Results Using Area-Weighted		
wan Type	lotal Alea of Wall Type (It)	Required	Designed	Calculation Option		
Framed	2409	0.11	0.11			
Total for all Wall Types:	2409	0.11	0.11	COMPLIES		

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This table demonstrates compliance with prescriptive exterior door requirements in \$140.3(a)7 for new construction or additions. Doors which are being replaced (alterations) do not need to be documented in this table because there are no Title 24, Part 6 requirements that apply. Exterior doors separate conditioned space from unconditioned space or from ambient air. Doors that are more than one-half glass in area are considered Glazed Doors and should be documented on Table K with fenestration per Table B.

01	02	03	04	05	06	07	
Tag/Plan Detail ID	Name/Description	Occupancy Type	Door Type	Door Insulation	Maximum Allowed U-factor	U-factor per Design	
	Metal Door	Nonresidential/Relocatable 1 CZ	Swinging	Any other wood door	0.7	per JA4	0.7
	Insulated Door	Nonresidential/Relocatable 1 CZ	Swinging	Any other wood door	0.11	per JA4	0.102

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This table demonstrates compliance with prescriptive fenestration requirements in §140.3(a)5 for new constructions or additions, or §140.1(b)2A for alterations. Exterior doors that are more than one-half glass in area are considered Glazed Doors and should be documented on this table with fenestration. 01 Indicate fenestration types included in the project: Vertical (alterations) Vertical (new) Skylights Glazed Doors (new only)

FOOTNOTES: Floor types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be licked above and compliance demonstrated within this table.

Vertical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

☐ Calculate Area-Weighted Average U-factor for Vertical Fenestration and Glazed Doors¹

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23

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STATE OF CALIFORNIA Envelope Component Approach

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE Project Name: (Page 11 of 15) Kensington Public Safety Building Report Page: Project Address: 217 Arlington Ave. Date Prepared

K. FENESTRATION AND GLAZED DOOR SCHEDULE

					A1111111111111111111111111111111111111					
02	⊠	Calculate Area-W	eighted Average (R)SH	GC for Vertical Fe	nestra	ation and Glazed Doors ¹				
03	×	Calculate Area-W	eighted Average VT for	Vertical Fenestra	tion a	and Glazed Doors ¹				
Vertical Fene	stration And GI	lazed Doors- U-factor, Sol	lar Heat Gain Coefficie	nt (RSHGC/ SHG	2), Vis	ible Transmittance (VT)				
04	05	06	07	08		09	10	11	12	13
Tag/Plan Detail ID	Fenestration Type	Occupancy & Status	(R)SHGC Compliance Method	VT Compliance Method		Calculation Method for formance Values per Design ²	Product Performance Unit	Required Product Performance	Product Performance per Design	Area ft ²
	0	Name of Land of		T. 1.1-		NFRC Certified	U-factor (max)	0.46	0.46	
Window	Operable window	Nonresidential/ Relocatable 1 CZ : New	Table 140.3-B/C/D	Table 140.3-B/C/D		Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	12
				, .		Overnang used for KSHGC	VT (min)	0.32	0.5	
	Operable	Nonresidential/		Table		NFRC Certified	U-factor (max)	0.46	0.46	
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D		Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	36
				, ,		Overnang used for Kando	VT (min)	0.32	0.5	
	Operable	Nonresidential/		Table		NFRC Certified	U-factor (max)	0.46	0.46	
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D		Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	9
						Overnang used for Kando	VT (min)	0.32	0.5	
	Operable	Nonresidential/		Table		NFRC Certified	U-factor (max)	0.46	0.46	
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D		Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	36
				, .		Overnang used for KSHGC	VT (min)	0.32	0.5	
	Operable	Nonresidential/		Table		NFRC Certified	U-factor (max)	0.46	0.46	
Window	window	' lable 140 3-B/C/D		140.3-B/C/D		Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	9
				, ,		Overnang used for KSHGC	VT (min)	0.32	0.5	
	Operable	Nonresidential/		Table		NFRC Certified	U-factor (max)	0.46	0.46	31
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D		Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	
						Overhalig used for Namuc	VT (min)	0.32	0.5	

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23

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STATE OF CALIFORNIA **Envelope Component Approach**

CALIFORNIA ENERGY COMMISSION NRCC-ENV-E CERTIFICATE OF COMPLIANCE NRCC-ENV-E Project Name: (Page 12 of 15) Kensington Public Safety Building Report Page: Project Address: 217 Arlington Ave. Date Prepared: 3/9/2022

K. FENESTRATION AND GLAZED DOOR SCHEDULE

ertical Fene	stration And Gl	azed Doors- U-factor, So	lar Heat Gain Coefficie	ent (RSHGC/ SHGC	C), Vis	sible Transmittance (VT)					
04	05	06	07	08		09	10	11	12	13	
Tag/Plan Detail ID	Fenestration Type	Occupancy & Status	(R)SHGC Compliance Method	VT Compliance Method	Per	Calculation Method for formance Values per Design ²	Product Performance Unit	Required Product Performance	Product Performance per Design	Area ft ²	
	Operable	Nonresidential/		Table	NFRC Certified		U-factor (max)	0.46	0.46		
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D		Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	18	
						Overhang used for Kondo	VT (min)	0.32	0.5		
	Operable	Nonresidential/		Table		NFRC Certified	U-factor (max)	0.46	0.46		
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D		☐ Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	16	
				, ,		Overnang used for RSHGC	VT (min)	0.32	0.5		
	Oneveble	Nonresidential/		Table		NFRC Certified	U-factor (max)	0.46	0.46		
Window	Operable window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D	П	0 1 1 (DCUCC	(R)SHGC (max)	0.22	0.22	16	
				, ,		Overhang used for RSHGC	VT (min)	0.32	0.5		
	Operable	Nonresidential/		Table		NFRC Certified	U-factor (max)	0.46	0.46		
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D		Overhand to DCLICC	(R)SHGC (max)	0.22	0.22	12	
				, ,		Overhang used for RSHGC	VT (min)	0.32	0.5		
	Operable	Nonresidential/		Table		NFRC Certified	U-factor (max)	0.46	0.46		
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D		Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	12	
				, .		Overhang used for Kondc	VT (min)	0.32	0.5		
	Operable	Nonresidential/		Table		NFRC Certified	U-factor (max)	0.46	0.46		
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D		Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	50	
						Overhalig used for NSHGC	VT (min)	0.32	0.5		

STATE OF CALIFORNIA

Envelope Component Approach CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE Project Name: Kensington Public Safety Building Report Page:

NRCC-ENV-E (Page 13 of 15) Project Address 217 Arlington Ave. Date Prepared:

. FENESTRATION AND GLAZED DOOR SCHEDULE tical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

04	05	06	07	08	09	10	11	12	13
Tag/Plan Detail ID	Fenestration Type	Occupancy & Status	(R)SHGC Compliance Method	VT Compliance Method	Calculation Method for formance Values per Design ²	Product Performance Unit	Required Product Performance	Product Performance per Design	Area ft ²
	Window Operable Nonresidential/ Table 140.3-B/C/D Table 140.3-B/C/D			Table	NFRC Certified	U-factor (max)	0.46	0.46	
Window			Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	25		
					Overhang used for Kishac	VT (min)	0.32	0.5	
	Operable	Nonresidential/		Table 140.3-B/C/D	NFRC Certified	U-factor (max)	0.46	0.46	
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D		Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	12.5
					Overhang used for KSHGC	VT (min)	0.32	0.5	
	Operable	Nonresidential/		Table	NFRC Certified	U-factor (max)	0.46	0.46	
Window	window	Relocatable 1 CZ : New	Table 140.3-B/C/D	140.3-B/C/D	Overhang used for RSHGC	(R)SHGC (max)	0.22	0.22	12.5
					Overhang used for KSHGC	VT (min)	0.32	0.5	

¹FOOTNOTES: If any individual fenestration product is non-compliant, products may show compliance using an area-weighted calculation. Chromogenic glazing is not included in area-weighted calculations. Area-weighted calculation shown in separate area-weighted table below. ²The NA6 Default Calculation can only be used for buildings with less than 200ft² of site built glazing. If the project has greater than 200ft², the only options for determining fenestratio.

Overhangs must extend past the left and right window the same distance as the depth of the overhang or greater to show an affect on the RSHGC. If an overhang does not meet this quirement, the affect of the overhang will be ignored.

Projectina includes casement and awnina windows.

values are NFRC Certification or the Default Tables in 110.6.

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Generated: 2022-03-09 14:15:23 Report Version: 2019.1.003

STATE OF CALIFORNIA **Envelope Component Approach**

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE (Page 14 of 15 Project Name: Kensington Public Safety Building Report Page: Project Address: 217 Arlington Ave. Date Prepared:

Schema Version: rev 20200601

K. FENESTRATION AND GLAZED DOOR SCHEDULE

Area-Weighted Average U-factor,	SHGC, VT Compliance Calculation for \	Vertical Fenestration And Glaze	d Doors	
01	02	03	04	05
Product Performance Unit	Total Area of Conservation (ft2)	Area-weighted Calcul	Compliance Results Using Area-Weighted	
Product Periormance Offic	Total Area of Fenestration (ft ²)	Required	Designed	Calculation Option
U-Factor	307	0.46	0.46	COMPLIES
(R)SHGC	307	0.22	0.22	COMPLIES
VT	307	0.32	0.5	COMPLIES

L. DAYLIGHT IN LARGE ENCLOSED SPACES This section does not apply to this project

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E dditional Remarks. These documents must be provided to the building inspector during construction and can be found online at

Field Inspector Yes Form/Title Pass Fail NRCI-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, form user must provide an explanation in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/. Indivudals who perform the field testing and verification work, and provide the information required for completion of the fenestration Certificate of Acceptance documentation are not required to be licensed professionals. However, the person who signs the Certificate of Acceptance document to certify compliance with the acceptance requirements shall be licensed as specified in Standards Section 10-103(a)4 and NA7.3.1 Field Inspector Form/Title

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23

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STATE OF CALIFORNIA **Envelope Component Approach**

CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ENV-I Project Name: Kensington Public Safety Building Report Page: (Page 15 of 15) Project Address: 217 Arlington Ave. Date Prepared: 3/9/202

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete Documentation Author Name: umentation Author Signature: List Engineering Company EA/ HERS Certification Identification (if applicable) City/State/Zip:

NRCA-ENV-02-F must be submitted for all new, added or altered fenestration.

RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California:

The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirement

of Title 24, Part 1 and Part 6 of the California Code of Regulations 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations,

plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable

Registration Date/Time:

Report Version: 2019.1.003

Schema Version: rev 20200601

831-373-439

inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. ponsible Designer Name: Ron Blue oonsible Designer Signature: Company: List Engineering Company Date Signed 2022-03-09 License: M23440 Address: 2 Harris Ct, Suite A7,

STATE OF CALIFORNIA

Mechanical Systems CALIFORNIA ENERGY COMMISSION NRCC-MCH-E CERTIFICATE OF COMPLIANCE NRCC-MCH-E This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, or §141.0(b)2 for alterations. Project Name: Kensington Public Safety Building Report Page: (Page 1 of 18) Project Address: 3/9/202 217 Arlington Ave. Date Prepared:

A. GENERAL INFORMATION 04 Total Conditioned Floor Area 1 Project Location (city) Kensington 3227 02 Climate Zone 05 Total Unconditioned Floor Area 1570 Occupancy Types Within Project: 06 # of Stories (Habitable Above Grade) ■ Non-refrigerated Warehouse (S) Office (B) Retail (M) ☐ Hotel / Motel Guest Rooms (R-1) ☐ School (E) ☐ Healthcare Facility (I) ☐ High-Rise Residential (R-2/R-3) ☐ Relocatable Class Bldg (E) ☑ Other (write in) See Table J

B. PROJECT SCOPE

This table Includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, or §141.0(b)2 for alterations. Air System(s Wet System Components Dry System Components ★ Heating Air System ☐ Water Economizer ☐ Air Economizer Pumps Electric Resistance Heat System Piping Mechanical Control: Mechanical Controls (existing to remain, alter ☐ Cooling Towers \boxtimes Ductwork (existing to remain, altered or new) or new) ☐ Chillers

☐ Boilers

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23

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STATE OF CALIFORNIA Mechanical Systems

CALIFORNIA ENERGY COMMISSION NRCC-MCH-E CERTIFICATE OF COMPLIANCE NRCC-MCH-E (Page 2 of 18) Kensington Public Safety Building Report Page: 3/9/202 217 Arlington Ave. Date Prepared

C. COMPLIANCE RESULTS Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES" NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance System Summary Controls Pumps Ventilatio §110.1, §110.2, §120.3, Controls §140.4(k) §140.4(c), §120.1 §110.2(e)2 Compliance Results §110.2, §120.2, §140.4(I) §140.4(e) §140.4 See Table F) (See Table M) (See Table H) (See Table I (See Table J) (See Table K) (See Table L) (See Table G

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Yes

Mandatory Measures Compliance (See Table Q for Details)

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO 10:13 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES, THE STAMPING

APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE AW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

DOES NOT COMPLY

Zonal Systems/ Terminal Boxes

By: ROSALINA ACUFF Registration Provider: Energysoft Registration Number: Registration Date/Time: Report Generated: 2022-03-09 14:15:23 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Schema Version: rev 20200601

STATE OF CALIFORNIA **Mechanical Systems**

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

CALIFORNIA ENERGY COMMISSION NRCC-MCH-E CERTIFICATE OF COMPLIANCE NRCC-MCH-Project Name: (Page 3 of 18) Kensington Public Safety Building Report Page: Project Address: 3/9/2022 217 Arlington Ave. Date Prepared:

This table is used to demonstrate compliance for mechanical equipment with mandatory requirements found in §110.1 and §110.2(a) and prescriptive requirements found in §140.4(a) <u>|40.4(b)</u> and <u>§140.4(k)</u> or <u>§141.0(b)2</u> for alterations Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters) 05 06 07 08 09 10 11 Equipment Sizing per Mechanical Schedule (kBtu/h) §140.4 (a&b) Heating Output^{2,3} Cooling Output^{2,3} Load Calculations^{3,4} Smallest Size Name or Item Equipment Category per | Equipment Type per Tables 110.2 / Ti Available¹ Tables 110.2 Sensible §140.4(a) 'er Design Rated Heating Rated Heating Cooling Per Design (kBtu/h) (kBtu/h) Output (kBtu/h) Load (kBtu/h) Load (kBtu/h) (kBtu/h) NA: Load 39.68 Variable Refrigerant Flow 61.15 60.8 51.07 VRF heat pump, air cooled Controls NA: Load 42.77 60.73 50.74 Variable Refrigerant Flow VRF heat pump, air cooled 61.15 60 Controls NA: Load 63.87 OU-3 Variable Refrigerant Flow VRF heat pump, air cooled 59.95 52.79 Controls OU-4 (Cooling NA: Load Variable Refrigerant Flow 11.91 VRF heat pump, air cooled Controls

¹FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per §140.4(a). Healthcare facilities are excepted.

²It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.

³ If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.

⁴ Authority Having Jurisdiction may ask for load calculations used for compliance per §140.4(b).

Mechanical Consultants 2 Harris Court Suite A7, Monterey, CA 93940 Telephone (831) 373-4390 / Facsimile (831) 373-6522 www.listengineering.com © LEC 2021 Job No. 21025.00

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PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM CLIENT: KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE KENSINGTON, CA 94707

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T: (415) 826-9626

DESCRIPTION DATE SSUED FOR BUILDING PERMIT 04-01-22 8 \ PLAN CHECK COMMENTS 07-22-22

DESCRIPTION

JOB NO.

TITLE 24 DOCUMENTS

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Number:

Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Date/Time:

Report Generated: 2022-03-09 14:15:23

Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Number:

City/State/Zip: Monterey, Ca 93940

Registration Provider: Energysoft

Report Generated: 2022-03-09 14:15:23 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Number:

Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Date/Time:

Report Generated: 2022-03-09 14:15:23

Registration Provider: Energysoft

Mechanical Systems CALIFORNIA ENERGY COMMISSION NRCC-MCH-E CERTIFICATE OF COMPLIANCE NRCC-MCH-E (Page 4 of 18) Kensington Public Safety Building Report Page: 217 Arlington Ave. Date Prepared: Project Address:

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS) Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP) 04 Heating Mode Cooling Mode Name or Iten Size Category Efficiency Efficiency (Btu/h) Condition Efficiency Unit Required per Required per Tables 110.2 / Tables 110.2 / Title 20 Title 20 7.7 13.0 OU-1 <65,000 HSPF 10.45 SEER 17.7 °Fwb OSA 17 °Fdb/ 43 OU-2 <65,000 HSPF 7.7 10.45 SEER 13.0 17.7 °Fwb OSA 17 °Fdb/ 43 OU-3 SEER 17.7 <65,000 HSPF 10.45 13.0 °Fwb OSA 17 °Fdb/ 43 OU-4 (Cooling <65,000 HSPF 10.45 SEER 13.0

°Fwb OSA

G. PUMPS

only)

This section does not apply to this project.

Registration Number:

Registration Date/Time: Report Version: 2019.1.003 Registration Provider: Energysoft

STATE OF CALIFORNIA

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Schema Version: rev 20200601

Report Generated: 2022-03-09 14:15:23

Mechanical Systems

NRCC-MCH-E			CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	Kensington Public Safety Building	Report Page:	(Page 5 of 18)
Project Address:	217 Arlington Ave.	Date Prepared:	3/9/2022

H EAN SYSTEMS & AID ECONOMIZEDS

II. FAIN STSTEINIS & AIR ECONOMIZERS
This table is used to demonstrate compliance with prescriptive requirements found in §140.4(c), §140.4(e) and §140.4(m) for fan systems. Fan systems serving only process loads are
exempt from these requirements and do not need to be included in Table H.

System Name:	OU-1	Econon	nizer:1	NA: Special OA filtration	Econom Contro	100000000000000000000000000000000000000	Designe	d per <u>§140.4(e)</u> and (m)	System Fan Type:	Constant Volume
01	02		03	04		05		06	07	08
Ean Name or	n Name or Fan Function Qty			Maximum Design Supply	Airflow				Fan Power Pressure Drop A	Adjustment - Table 140.4-B
Item Tag			Qty	(CFM)	AITHOW	HP Unit ²		Design HP	Device	Design Airflow through Device (CFM)
EF	Exhaust		1	630	49.0	ВНР		0	NA	NA
EF	Exhaust		1	0		Е	НР	0	NA	NA
EF	Exhaust		1	0		BHP		0	NA	NA
EF	Exhaust		1	0		В	HP	0	NA	NA
EF	Exhaust		1	0		В	HP	0	NA	NA
Total System Design Supply Airflow (CFM):		M):	1 630 1		otal System Design (B)HP:		0	Maximum System Fan Power (B)HP:	0	

Registration Number: Registration Date/Time: Registration Provider: Energysoft Report Generated: 2022-03-09 14:15:23 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003

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STATE OF CALIFORNIA Mechanical Systems

NRCC-MCH-E			CALIFORNIA ENERGY COMMISSION
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Project Name:	Kensington Public Safety Building	Report Page:	(Page 6 of 18)
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System Name:	OU-2	Econon	nizer:1	NA: Special OA filtration	Economi Control		signed	per <u>§140.4(e)</u> and (m)	System Fan Type:	Constant Volume
01	02	ļ	03	04		05		06	07	08
Fan Name or			10	Maximum Design Supply	Airflow	-			Fan Power Pressure Drop A	Adjustment - Table 140.4-
Item Tag	Fan Functio	n	Qty	(CFM)		HP Unit ²		Design HP	Device	Design Airflow through Device (CFM)
EF	Exhaust	Exhaust		490		ВНР		0	NA	NA
EF	Exhaust		1	0		ВНР		0	NA	NA
EF	EF Exhaust 1		1	0		ВНР		0	NA	NA
EF	Exhaust 1		1	0		ВНР		0	NA	NA
EF	Exhaust		1	0		ВНР		0	NA	NA
EF	Exhaust		1	0		ВНР		0	NA	NA
Total Syster	m Design Supply A	irflow (CF	M):	1 291		al System Design (B)HP:		0	Maximum System Fan Power (B)HP:	0
System Name:	OU-3	Econon	nizer:1	I NΔ· Special ΩΔ filtration I		nomizer Designed		per <u>§140.4(e)</u> and (m)	System Fan Type:	Constant Volume
01	02		03	04		05		06	07	08
Fan Name or	5-00 AND 000			Maximum Design Supply	Airflow				Fan Power Pressure Drop A	Adjustment - Table 140.4-
Item Tag	Fan Functio	n	Qty	(CFM)	, an most	HP Unit ²	2	Design HP	Device	Design Airflow through Device (CFM)
EF	Exhaust		1	445		ВНР		0	NA	NA
EF	Exhaust		1	0		ВНР		0	NA	NA
EF	Exhaust	Exhaust 1		0		ВНР		0	NA	NA
EF	Exhaust		1	0		ВНР		0	NA	NA
Total System Design Supply Airflow (CFM):		445		I System Design (B)HP:		0	Maximum System Fan Power (B)HP:	0		

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23

Schema Version: rev 20200601

STATE OF CALIFORNIA Mechanical Systems

ivicellatifed Systems			
NRCC-MCH-E			CALIFORNIA ENERGY COMMISSIO
CERTIFICATE OF COMPLIANCE			NRCC-MCH-
Project Name:	Kensington Public Safety Building	Report Page:	(Page 7 of 18
Project Address:	217 Arlington Ave.	Date Prepared:	3/9/202

H. FAN SYSTEMS & AIR ECONOMIZERS

System Name:	OU-4 (Cooling only)	Econon	nizer:¹	I NA: <=54 kBtu/h cooling I		omizer Designed trols:		d per <u>§140.4(e)</u> and (m)	System Fan Type:	Constant Volume
01	02		03	04	05		5	06	07	08
Fan Name or Item Tag Fan Function Qty			Maximum Design Supply				Fan Power Pressure Drop A	Adjustment - Table 140.4-B		
		n	Qty	(CFM)	Allilow	HP Unit ²		Design HP	Device	Design Airflow through Device (CFM)
Total System Design Supply Airflow (CFM):		0		ystem De (B)HP:	esign	0	Maximum System Fan Power (B)HP:	0		

¹ FOOTNOTES: Computer room economizers must meet requirements of $\frac{\$140.9(a)}{a}$ and will be documented on the NRCC-PRC-E document. ² The unit used for HP must be consistent for all fans within a system.

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in \$110.2 and \$120.2 and prescriptive controls in \$140.4(f) and (n) or requirements in \$141.0(b)2E for altered space conditioning systems.

-	01	02	03	04	05	06	07	08	09
	System Name	System Zoning	Conditioned Floor Area Being Served (ft ²)	Thermostats \$110.2(b) & (c) ¹ , \$120.2(a)or \$141.0(b)2E	Shut-Off Controls §120.2(e)	Isolation Zone Controls §120.2(g)	Demand Response §110.12 and §120.2(b)	Supply Air Temp. Reset §140.4(f)	Window Interlocks per <u>§140.4(n)</u>
	OU-1	Multi-zone w/ DDC to zone	<= 25,000 ft ²	EMCS	NA: 7 day per §120.2(e)1	4 Hour Timer	EMCS	NA: Alteration	NA: Alteration Project
	OU-2	Multi-zone w/ DDC to zone	<= 25,000 ft ²	Setback	Auto Timer Switch	4 Hour Timer	EMCS	Included	Provided
	OU-3	Multi-zone w/ DDC to zone	<= 25,000 ft ²	Setback	Auto Timer Switch	4 Hour Timer	EMCS	Included	Provided
	OU-4 (Cooling only)	Multi-zone w/ DDC to zone	<= 25,000 ft ²	EMCS	NA: 7 day per §120.2(e)1	4 Hour Timer	EMCS	NA: Alteration	NA: Alteration Project

Registration Number: Registration Date/Time: Registration Provider: Energysoft Report Generated: 2022-03-09 14:15:23 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Schema Version: rev 2020060:

STATE OF CALIFORNIA Mechanical Systems

NRCC-MCH-E			CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	Kensington Public Safety Building	Report Page:	(Page 8 of 18)
Project Address:	217 Arlington Ave.	Date Prepared:	3/9/2022

I. SYSTEM CONTROLS

EXCEPTION 1 to §140.4(f)

FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats. *Notes: Controls with a * require a note in the space below explaining how compliance is achieved. EX: system 1: SA Temp Reset: Exempt because zones compliant with §140.4(d);

J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 and §120.2(e)3B for all nonresidential, high-rise residential and hotel/motel ccupancies. For alterations, only ventialtion systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet. Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table. Check this box if the project included Nonresidential or Hotel/Motel spaces Check this box if the project included new or altered high-rise residential dwelling units.

Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per §120.1(c)2.

7021	— — — — — — — — — — — — — — — — — — — —			torrent-room game n		more an acceptan		and the same at the contraction and the con-	**************************************
Nonresidentia	and Hotel/ Motel Ventilation System	S							
	04		05				06	C)7
		System Design OA CFM Airflow ¹			System	Design		Air Filtration per <u>§120</u>).1(c) and §141.0(b)2 ²
System Name	OU-1			579		Air CFM	0	Provided per <u>§120.1(c)</u> (NR and Hotel/Motel))	
08	09	10	11	12	13	14	15	1	L6
	Mechanical Ventila	tion Required	per <u>§120.1(c)</u>			57832200	Vent per <u>§120.1(c)4</u>		
Space Name ot item Tag	Occupancy Type ⁴	Hoor Area heads/		# of people ⁵	Required Min OA CFM	Required Min CFM	Provided per Design CFM	DCV or Sensor Controls per <u>§120.1(d)3</u> , <u>§120.1(d)5</u> , and <u>§120.1(e)3</u> ⁶	
Staff +	Office space	222		3	45	0	30	DCV	NA: Not required per §120.1(d)3
Restroom	Office space	222		3	45	, o	30	Occ Sensor	NA: Not required space type

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23

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STATE OF CALIFORNIA Mechanical Systems

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

NRCC-MCH-E			CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
Project Name:	Kensington Public Safety Building	Report Page:	(Page 9 of 18)
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Administratio								DCV	NA: Not required per §120.1(d)3
n	Office space	253		2	30	0	40	Occ Sensor	NA: Not required space type
Masting	Look, we hall (fired anch)	390		30	450	0	450	DCV	NA: Not required per §120.1(d)3
Meeting	Lecture hall (fixed seats)	390		30	450	U	450	Occ Sensor	NA: Not required space type
Lobby	Corridor	115		0	0	0	60	DCV	NA: Not required per §120.1(d)3
LODBY	Cornadi	115		U		U	60	Occ Sensor	NA: Not required space type
Hall 1	Corridor	100			20.5	0	50	DCV	NA: Not required per §120.1(d)3
Hall 1	Corridor	190			28.5	0	50	Occ Sensor	NA: Not required space type
17	Total System Required Min OA CFM				579	18	Ventilation for this	System Complies?	Yes
	04		05				06		07
		System Desi	an OA CEM		Custom	Design		Air Filtration per §120	0.1(c) and §141.0(b)2 ²
System Name	OU-2	Airflo		361		Air CFM	0	Provided per <u>§120.1(c)</u> (NR and Hotel/Motel))	
08	09	10	11	12	13	14	15		16
	Mechanical Ventila	tion Required	per <u>§120.1(c</u>)	3 ³		Exh. \	Vent per <u>§120.1(c)4</u>		
Space Name ot item Tag	Occupancy Type ⁴	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people ⁵	Required Min OA CFM	Required Min CFM	Provided per Design CFM		
Dorm 1	All others	148		3	45	0	50	DCV	NA: Not required per §120.1(d)3
Dorm 1	All others	148		5	45	U	50	Occ Sensor	NA: Not required space type

Registration Date/Time:

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No The <u>combined</u> surface area of the ducts in the following locations is more than 25% of the total surface area of the entire duct system:

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Registration Provider: Energysoft

Mechanical Systems

STATE OF CALIFORNIA

incomannear systems				
RCC-MCH-E			CALIFORNIA ENERGY COMMISSION	
ERTIFICATE OF COMPLIANCE			NRCC-MCH-E	
roject Name:	Kensington Public Safety Building	Report Page:	(Page 10 of 18)	
roject Address:	217 Arlington Ave.	Date Prepared:	3/9/2022	

J. VENTILATIO	ON AND INDOOR AIR QUALITY								
Dorm 2	All others	148		3	45	0	50	DCV	NA: Not required per §120.1(d)3
DOM1 2	All others	140		3	45	Ů	30	Occ Sensor	NA: Not required space type
Dorm 3	All others	148		3	45	0	50	DCV	NA: Not required per §120.1(d)3
DOITH 3	All others	140		3	43	O	3	Occ Sensor	NA: Not required space type
Hall 3 + Bath 1 + Bath 2 +	All others	305		3.1816816	45	0	100	DCV	NA: Not required per §120.1(d)3
Laundry	All others	303		8168168	7	0	100	Occ Sensor	NA: Not required space type
Hall 2	Corridor	250			37.5	0	E0.	DCV	NA: Not required per §120.1(d)3
naii z	Comuoi	230			37.3	0	50	Occ Sensor	NA: Not required space type
Exercise	Gym/ sports arena (play area)	282		5	75	0	190	DCV	NA: Not required per §120.1(d)3
Exercise	Gyrriy sports arena (piay area)	202		5	/5	U	190	Occ Sensor	NA: Not required space type
17	Total System Required Min OA CFM				361	18	Ventilation for this S	System Complies?	Yes
	04		05				06		07
		System Desi	gn OA CEM	vojnie Janon	System	Design		Air Filtration per <u>§12</u>	0.1(c) and <u>§141.0(b)2</u> 2
System Name	OU-3	Airfle		345	Transfer		0		<u>120.1(c)</u> (NR and /Motel))
08	09	10	11	12	13	14	15		16
	Mechanical Ventila	tion Required	per <u>§120.1(c</u>	<u>)3</u> 3		Exh.	Vent per <u>§120.1(c)4</u>		
Space Name ot item Tag	Occupancy Type ⁴	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people ⁵	Required Min OA CFM	Required Min CFM	Provided per Design CFM		ntrols per <u>§120.1(d)3</u> , nd <u>§120.1(e)3</u> ⁶

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NRCC-MCH-E			CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE			NRCC-MCH-E
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								DCV	NA: Not required pe §120.1(d)3
Kitchen	Kitchenettes	570		3	45	171	115	Occ Sensor	NA: Not required space type
Day Room	Break room	480		3	45	0	240	DCV	NA: Not required pe §120.1(d)3
Day Room	Break room	460		3	45	U,	240	Occ Sensor	NA: Not required space type
Captain's	Office space	130		2	30	0	60	DCV	NA: Not required po §120.1(d)3
Office	Office space	130		2	30	U	60	Occ Sensor	NA: Not required space type
Office	046	130		2	30	0	20	DCV	NA: Not required possible \$120.1(d)3
Office	Office space	130		2	30	U	30	Occ Sensor	NA: Not required space type
17	Total System Required Min OA CFM	•			345	18	Ventilation for this S	System Complies?	Yes
	04		05				06	()7
		System Desi	an ∩∆ CEM		System	Dosign		Air Filtration per §120	0.1(c) and §141.0(b)2
System Name	OU-4 (Cooling only)	Airfl		0	Transfer		0	OF MINISTER SHOWING SHAPE SHAPE	<u>.20.1(c)</u> (NR and Motel))
08	09	10	11	12	13	14	15	1	L6
	Mechanical Ventila	tion Required	per <u>§120.1(c</u>	3 ³		Exh.	Vent per <u>§120.1(c)4</u>		
Space Name ot item Tag	Occupancy Type ⁴	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people ⁵	Required Min OA CFM	Required Min CFM	Provided per Design CFM		trols per <u>§120.1(d)3,</u> nd <u>§120.1(e)3</u> ⁶
IT/ Elec +	All atherva	215		0		0	0	DCV	NA: Not required po §120.1(d)3
Storage	All others	215		0	0	0	0	Occ Sensor	NA: Not required space type

Registration Number: Registration Date/Time: Registration Provider: Energysoft CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Generated: 2022-03-09 14:15:23 Report Version: 2019.1.003

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Ventilation for this System Complies?

STATE OF CALIFORNIA Mechanical Systems

NRCC-MCH	*	CALIFORNIA ENERGY COMMISSION
CERTIFICA	OF COMPLIANCE	NRCC-MCH-E
Project Na	ne: Kensington Public Safety Buildir	g Report Page: (Page 12 of 18)
Project Ad	ress: 217 Arlington Av	p. Date Prepared: 3/9/2022

J. VENTILATION AND INDOOR AIR QUALITY

17 Total System Required Min OA CFM ¹ FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system

² Air filtration requirements apply to the following three system types per §120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.

³ Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.

⁴ See Standards Tables 120.1-A and 120.1-B.

⁵ For lecture halls with fixed seating, the expected number of occupants shall be shall be determined in accordance with the California Building Code. ⁶ §120.2(e)3 requires systems serving rooms that are required by §130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation.

Examples of spaces which require lighting occupancy sensors include offices $250 \mathrm{ft}^2$ or smaller, multipurpose rooms less than $1,000 \mathrm{\,ft}^2$, classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by §130.1(c).

K. TERMINAL BO	OX CONTROL	S			
This section does	not apply to th	nis project.			
L. DISTRIBUTIO	TANKE THAT SELECTION STATES	State Control of the State Co			
This table is used	to show comp	liance with mandatory pipe insulation requireme	ents found in <u>§120.3</u>	and prescriptive requirements found in <u>§140.4(I)</u> for duct leaka	ge testing.
Duct Leakage Sea	ling				
The answers to th	e questions be	elow apply to the following duct systems:	OU-1	Duct leakage testing triggered for these systems?	No
11	No	The scope of the project includes only duct	systems serving heal	thcare facilities	_
12	No	Duct system provides conditioned air to an	occupiable space for	a constant volume, single zone, space-conditioning system.	
13	Yes	The space conditioning system serves less t	han 5.000 ft ² of cond	itioned floor area.	

☐ Outdoors In a space directly under a roof that has a U-factor greater than the u-factor of the ceiling, or if the roof does not meet the requirements of §140.3(a)1B or if the roof has fixed vents or openings to the outside/unconditioned spaces In an unconditioned crawl space

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217 ARLINGTON AVE. KENSINGTON, CA, 94707

KENSINGTON, CA 94707

CONTACT: BILL HANSELL

PROJECT TEAM CLIENT: KENSINGTON FIRE PROTECTION DISTRICT 217 ARLINGTON AVE

T: (415) 378-9064 ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101

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

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

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

BKF ENGINEERS

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

CIVIL:

2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE T: (831) 373-4390 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

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

ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26

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

BUILDING INSPECTION DIVISION PERMIT NUMBER BICA22-004407 PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

CONTRA COSTA COUNTY

REVIEWED PLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN IVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE

10:13 am, Aug 05, 2022

By: ROSALINA ACUFF

_	ISSUED FOR BUILDING PERMIT	04-01-22
/ 8\	PLAN CHECK COMMENTS	07-22-22

DESCRIPTION

DATE

JOB NO.

DESCRIPTION TITLE 24 DOCUMENTS

The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos. The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2. Duct system shall be sealed in acordance with the California Mechanical Code The answers to the questions below apply to the following duct systems:

OU-4 (Cooling only)

Duct leakage testing triggered for these systems? No The scope of the project includes only duct systems serving healthcare facilities Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system. The space conditioning system serves less than 5,000 ft² of conditioned floor area. The combined surface area of the ducts in the following locations is more than 25% of the total surface area of the entire duct system: In a space directly under a roof that has a U-factor greater than the u-factor of the ceiling, or if the roof does not meet the requirements of §140.3(a)1B or if the roof has fixed vents or openings to the outside/ unconditioned spaces In an unconditioned crawl space ☐ In other unconditioned spaces The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos. he scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2. Duct system shall be sealed in acordance with the California Mechanical Code M. COOLING TOWERS

Registration Date/Time:

Report Version: 2019.1.003

Kensington Public Safety Building Report Page:

217 Arlington Ave. Date Prepared:

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks.

Form/Title

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks.

state of california

Mechanical Systems

NRCC-MCH-E

CERTIFICATE OF COMPLIANCE

Project Name:

Kensington Public Safety Building Report Page:

Project Address:

217 Arlington Ave. Date Prepared:

CALIFORNIA ENERGY COMMISSION

NRCC-MCH-E

PROJECT Address:

(Page 16 of 18)

3/9/2022

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE NRCA-MCH-12-A FDD for Packaged Direct Expansion Units NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance IRCA-MCH-14-A Distributed Energy Storage DX AC Systems Acceptance NOTE: This form does not automatically move to "Yes". If Distributed Energy System DX AC Systems are included in teh scope permit applicant should move this form to 'Yes". NRCA-MCH-15-A Thermal Energy Storage (TES) System Acceptance NOTE: This form does not automatically move to "Yes". If Chilled water Storage, Ice-on-Coil Internal Melt, Ice-on-Coil External melt, Ice Harvester, Brine, Ice-Slurry, Eutecti Salt, Clathrate Hydrate Slurry (CHS), Cryogenic or Encapsulated (Ice Ball) Systems are included in the scope, permit applicant should nove this form to 'Yes". NRCA-MCH-16-A Supply Air Temperature Reset Controls NRCA-MCH-17-A Condenser Water Temperature Reset Controls NRCA-MCH-18-A Energy Management Control Systems NRCA-MCH-19-A Occupancy Sensor Controls NRCA-MCH-20 Multi-Family Ventilation NRCA-MCH-21 Multi-Family Envelope Leakage

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks.

These documents must be completed by a HERS Rater and provided to the building inspector during construction. The final documents must be created by a HERS Provider's registry, but drafts can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV/

 Yes
 No
 Field Inspector

 O
 NRCV-MCH-04-H Duct Leakaage Test NOTE: Must be completed by a HERS Rater
 □
 □

 O
 NRCV-MCH-24 Enclosure Air Leakaage Worksheet NOTE: Must be completed by a HERS Rater
 □
 □

 O
 NRCV-MCH-27 High-rise Resdential NOTE: Must be completed by a HERS Rater
 □
 □

 O
 NRCV-MCH-32 Local Mechanical Exhaust NOTE: Must be completed by a HERS Rater
 □
 □

Registration Number: Registration Date/Time: Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Report Generated: 2022-03-09 14:15:23 Schema Version: rev 20200601

state of California
Mechanical Systems

NRCC-MCH-E

CERTIFICATE OF COMPLIANCE

Project Name:

Kensington Public Safety Building Report Page:

Project Address:

217 Arlington Ave. Date Prepared:

SALIFORNIA ENERGY COMMISSION

NRCC-MCH-E

Project Address:

(Page 17 of 18)

3/9/2022

Q. MANDATORY MEASURES DOCUMENTATION LOCATION

This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

O1 O2

Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block

Mandatory Measures Note Block

O2

Plan sheet or construction document location

M-Sheets

Registration Number: Registration Date/Time: Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Date/Time: Registration Provider: Energysoft Report Generated: 2022-03-09 14:15:23

state of california
Mechanical Systems

mpany: List Engineering Company

Address: 2 Harris Ct, Suite A7,

City/State/Zip: Monterey, Ca 93940

NRCC-MCH-E

CERTIFICATE OF COMPLIANCE

Project Name:

Kensington Public Safety Building Report Page:

Project Address:

217 Arlington Ave.
Date Prepared:

CALIFORNIA ENERGY COMMISSION

RRCC-MCH-E

Report Page:

(Page 18 of 18)

3/9/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete. nentation Author Name: cumentation Author Signature: nature Date: List Engineering Company 4/ HERS Certification Identification (if applicable) RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner at occupancy. nsible Designer Name Ron Blue

022-03-09

License: M23440

Phone: 831-373-4390

Registration Provider: Energysoft Registration Number:

Registration Date/Time:

Registration Provider: Energysoft

List Engineering
Mechanical Consultants

2 Harris Court Suite A7, Monterey, CA 93940
Telephone (831) 373-4390 / Facsimile (831) 373-6522
www.listengineering.com © LEC 2021
Job No. 21025.00

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT: KENSINGTON FIRE

PROTECTION DISTRICT

217 ARLINGTON AVE

KENSINGTON, CA 94707 CONTACT: BILL HANSELL

T: (415) 378-9064

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

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

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T. (415) 522-0600

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
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GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

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

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

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

CONTRA COSTA COUNTY
BUILDING INSPECTION DIVISION
PERMIT NUMBER
BICA22-004407
THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

10:13 am, Aug 05, 2022

REVIEWED

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL.

BY: ROSALINA ACUFF

NO.	DESCRIPTION	DATE
$\overline{\Lambda}$	ISSUED FOR BUILDING PERMIT	04-01-22
/ ₈ \	PLAN CHECK COMMENTS	07-22-22

DESCRIPTION

TITLE 24 DOCUMENTS

M006

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

This section does not apply to this project.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

NRCI-MCH-01-E - Must be submitted for all buildings

applicable) since testing activities overlap.

applicant should move this form to "Yes".

NRCA-MCH-04-A - Air Distribution Duct Leakage

NRCA-MCH-07-A Supply Fan Variable Flow Controls
 NRCA-MCH-08-A Valve Leakage Test

NRCA-MCH-11-A Automatic Demand Shed Controls

NRCA-MCH-10-A Hydronic System Variable Flow Controls

NRCA-MCH-09-A Supply Water Temperature Reset Controls

NRCA-MCH-05-A - Air Economizer Controls

These documents must be provided to the building inspector during construction and can be found online at

These documents must be provided to the building inspector during construction and can be found online at

https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Form/Title

NRCA-MCH-03-A - Constant Volume Single Zone HVAC NOTE: This form does not automatically

move to "Yes". If Constant Volume Single Zone HVAC Systems are included in the scope, permit

NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to $\S120.1(c)3$) can vary outside

ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration

NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note

MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if

https://www.energy.ca.gov/title24/2019standards/2019 compliance documents/Nonresidential Documents/NRCI/

Registration Number:

STATE OF CALIFORNIA

NRCC-MCH-E

Project Name:

Project Address:

Yes

Registration Number:

Mechanical Systems

CERTIFICATE OF COMPLIANCE

Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Date/Time:

Report Generated: 2022-03-09 14:15:23

Systems To Be Field Verified

Registration Provider: Energysoft

Report Generated: 2022-03-09 14:15:23

CALIFORNIA ENERGY COMMISSION

NRCC-MCH-E

3/9/20

(Page 15 of 18).

Field Inspector

Pass Fail

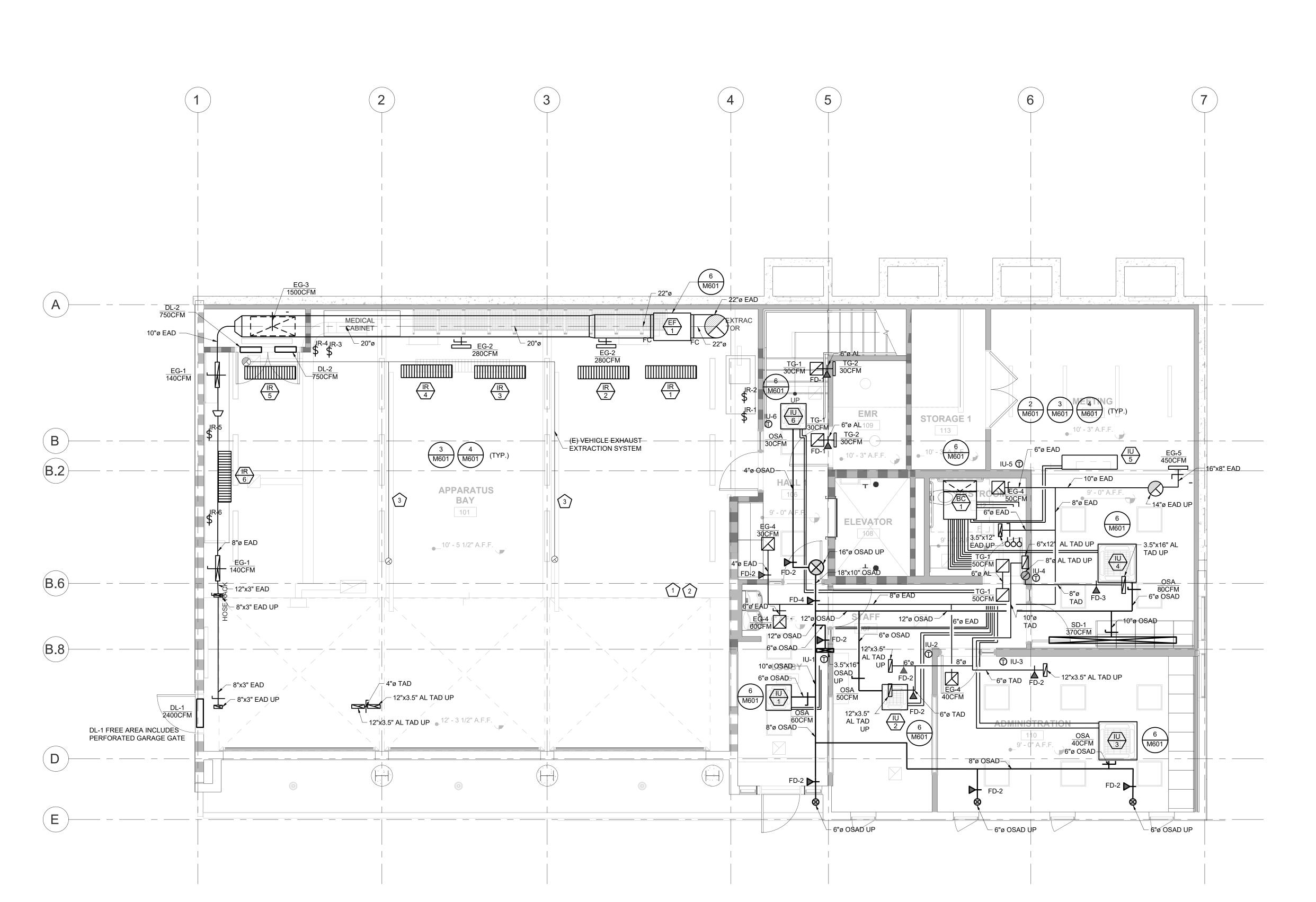
Field Inspector

Pass Fail

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003 Schema Version: rev 20200601

Report Generated: 2022-03-09 14:15:23



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



By: ROSALINA ACUFF



- PENETRATIONS NOT ALLOWED ON SHEAR WALLS. COORDINATE WITH STRUCTURAL.
- DEMOLISH ALL (E) MECHANICAL EQUIPMENT AND DUCTING, EXCEPT (E) VEHICLE ENGINE EXHAUST EXTRACT SYSTEM.
- 3. PROTECT AND RETAIN (E) VEHICLE ENGINE EXHAUST EXTRACTION SYSTEM.



STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

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

ARCHITECT: MARJANG ARCHITECTURE
930 COLE STREET STE 101
SAN FRANCISCO, CA. 94117
CONTACT: KAREN MAR
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STRUCTURAL: ZFA STRUCTURAL ENGINEERS 1390 EL CAMINO REAL STE 100

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

BKF ENGINEERS 1646 N. CALIFORNIA BLVD STE 400

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

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

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

T: (510) 879-4544

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

T: (831) 373-4390

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

ESTIMATOR: MICROESTIMATION INC.

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

NO.	DESCRIPTION	DATE
$\overline{\Lambda}$	ISSUED FOR BUILDING PERMIT	04-01-22
/ ₈ \	PLAN CHECK COMMENTS	07-22-22
JOB N	IO.	

DESCRIPTION

MECHANICAL GROUND FLOOR PLAN

M201

- 1. COORDINATE WITH STRUCTURAL BEFORE PENETRATING SHEAR
- 2. DEMOLISH ALL (E) MECHANICAL EQUIPMENT AND DUCTING, EXCEPT (E) VEHICLE ENGINE EXHAUST EXTRACT SYSTEM.
- 3. PROTECT AND RETAIN (E) VEHICLE ENGINE EXHAUST EXTRACTION

CONTRA COSTA COUNTY

BUILDING INSPECTION DIVISION

PERMIT NUMBER

BICA22-004407

10:13 am, Aug 05, 2022

REVIEWED

By: ROSALINA ACUFF



STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

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

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

T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS 1390 EL CAMINO REAL STE 100

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

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

BKF ENGINEERS

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

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

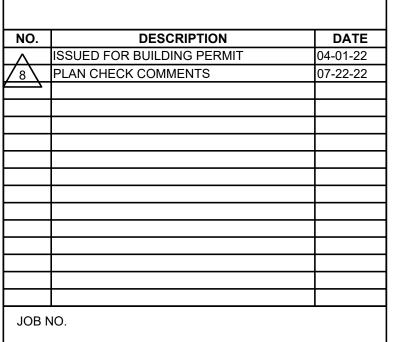
AUDIO/VISUAL: SMITH FAUSE MCDONALD INC. 351 8TH STREET

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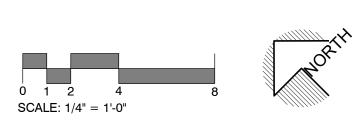
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110

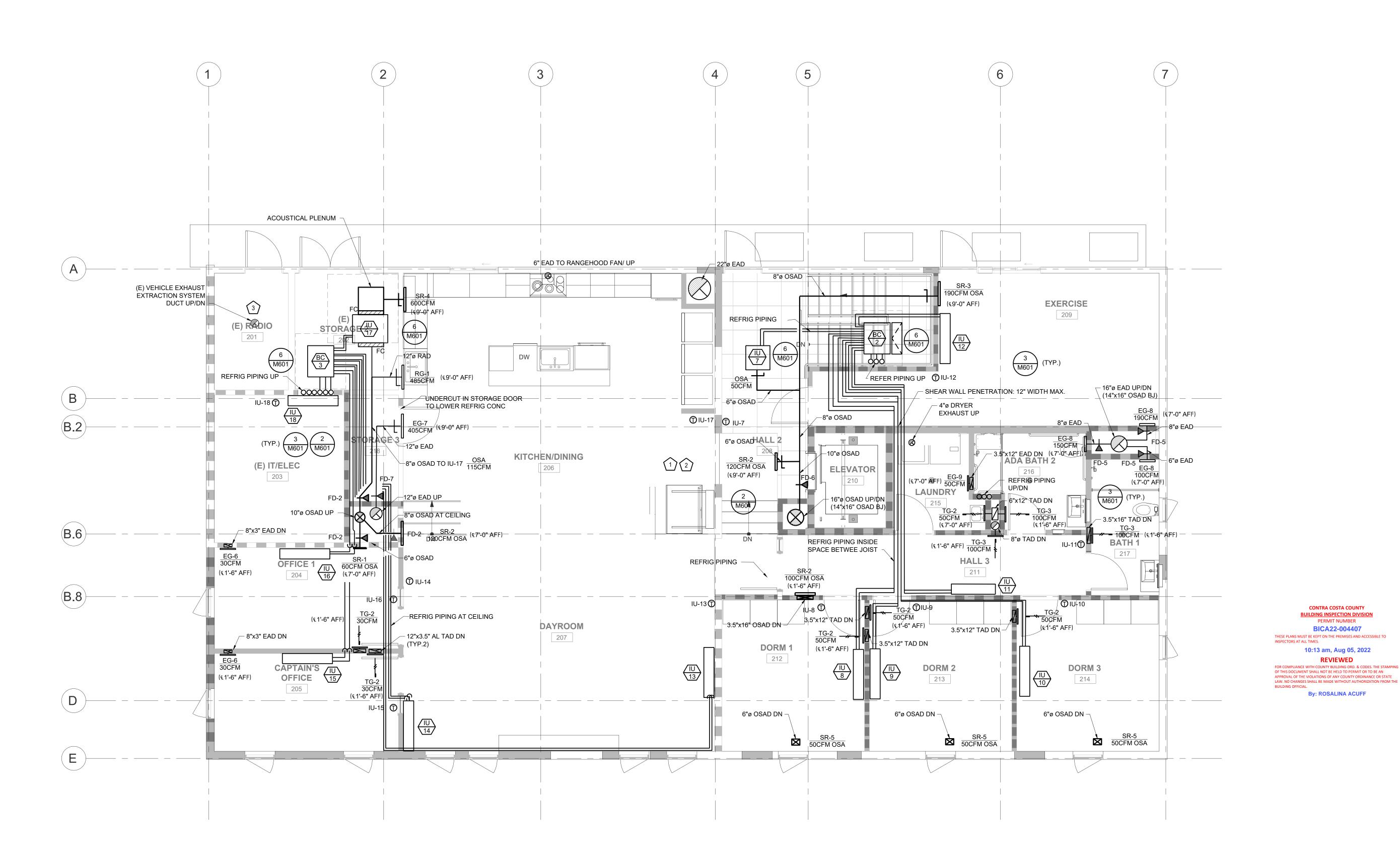
CONTACT: HENRY TOORYANI T: (415) 826-9626



DESCRIPTION

MECHANICAL SECOND FLOOR PLAN





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

M202

SHEET NOTES

- 1. DEMOLISH ALL (E) MECHANICAL EQUIPMENT AND DUCTING, EXCEPT (E) VEHICLE ENGINE EXHAUST EXTRACT SYSTEM.
- 2. PROTECT AND RETAIN (E) VEHICLE ENGINE EXHAUST EXTRACTION
- 3. REPLACE (E) EXHAUST FAN FOR VEHICLE ENGINE EXHAUST EXTRACTION SYSTEM W/ (N) EF. EF TO MATCH (E) FAN CAPACITY. VIF. COVER EF W/ SOUND DEADENING MATERIAL.



STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

CIVIL:

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

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

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

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

WALNUT CREEK, CA 94596

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

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

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

LIST ENGINEERING CO. 2 HARRIS CT STE A7

MONTEREY, CA 93940

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

CONTACT: HENRY TOORYANI

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

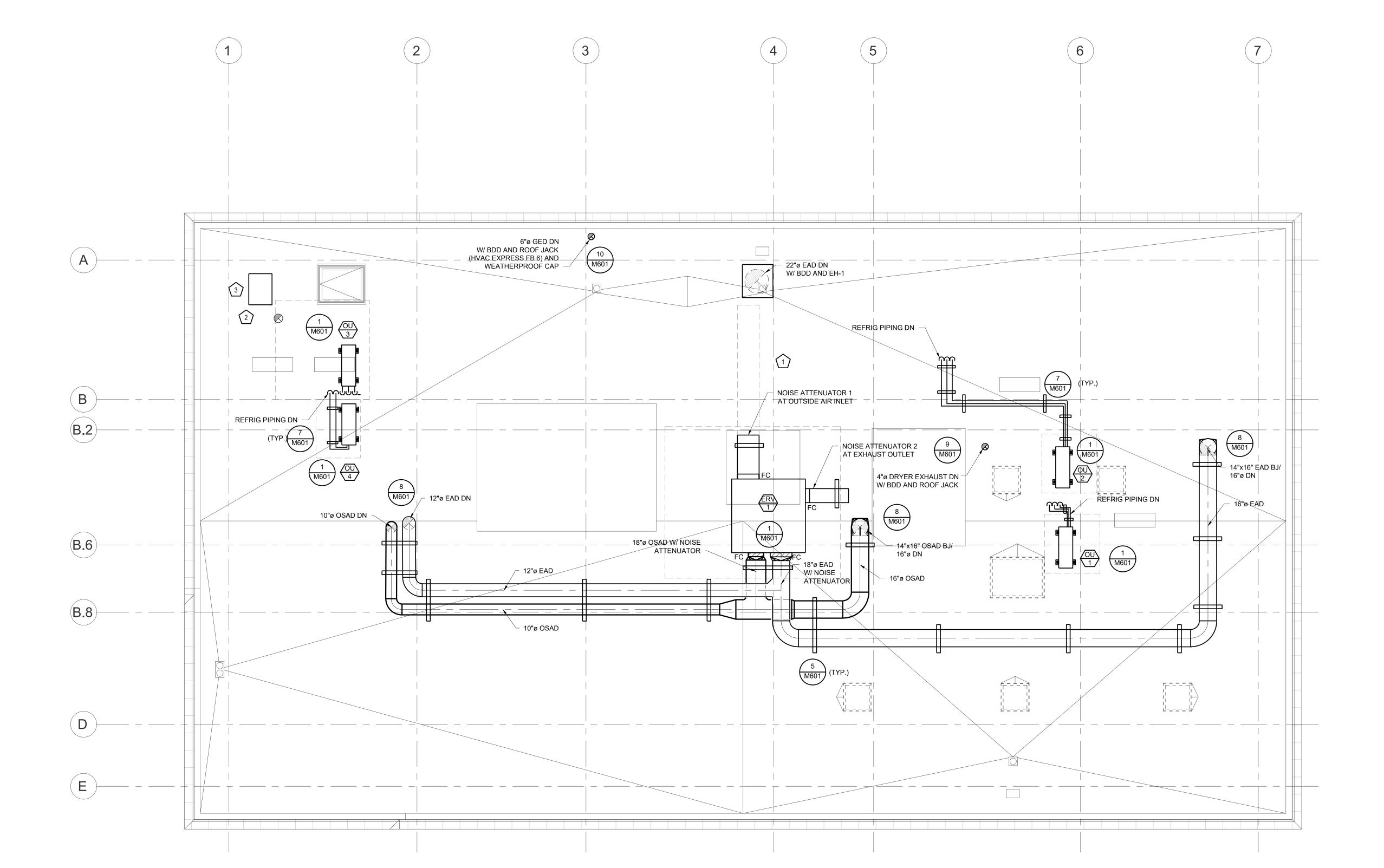
T: (415) 826-9626

DESCRIPTION DATE ISSUED FOR BUILDING PERMIT 04-01-22 8 PLAN CHECK COMMENTS 07-22-22

DESCRIPTION

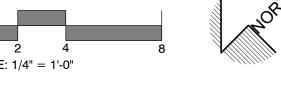
JOB NO.

MECHANICAL ROOF PLAN



CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF





ITEM DESCRIPTION

- ACTUATOR (LOCATION MAY VARY) DAMPER MAY BE SUPPLIED WITHOUT ACTUATOR INSTALLED UL LISTED FIRE DAMPER **ACTUATORS MAY BE FIELD** INSTALLED IF PROPERLY LABELED. SEE ACTUATOR INSTALLATION INSTRUCTIONS FOR FIELD MOUNTING OF DAMPER
- ACTUATORS. 2. OPTIONAL FIRESTAT OR SWITCH 3. AUXILIARY OPERATING JACK
- SHAFT
- 4. DAMPER OVER CENTER LOCK
- SLEEVE 7. CAULKING MATERIAL (MAY BE ON EITHER SIDE OF DAMPER FRAME)
- 8. PFMA OR CONVENTIONAL
- MOUNTING ANGLES 9. S-JOINT/DUCT MATE, SLEEVE TO
- DUCT

ACTUATORS.

OVER CENTER LOCK

DETECTOR AND DAMPER.

4. DAMPER.

6. SLEEVE

ANGLES.

10. SMOKE DETECTOR WITHIN 5' BEFORE ANY BRANCHING

SMOKE/FIRE DAMPER- HORIZONTAL M601 / NO SCALE

┌6" (152) MIN.

TYP.

16" (406) MAX.

FIRE SMOKE DAMPER CONTROL SEQUENCE OF OPERATION FOR FIRE SMOKE DAMPERS

- SUPPLY APPROPRIATE PNEUMATIC OR ELECTRICAL POWER TO DAMPER. (240VAC OR 120VAC)
- 2. DAMPER BLADES ARE OPEN WHEN POWER IS APPLIED.

—1" (25) MIN.

TYPICAL

DAMPER

OVERLAP ON

ALL SIDES OF

FIRE/SMOKE DAMPER IN SUPPLY DUCT WILL CLOSE UPON LOSS OF POWER AND/OR SMOKE DETECTION SIGNAL FROM AIR DUCT SMOKE DETECTOR LOCATED IN THE SUPPLY DUCT OF EACH MECHANICAL UNIT. FIRE/SMOKE DAMPERS IN CEILING RETURN AIR PLENUM WALLS SHALL CLOSE WHEN RESPECTIVE AREA SMOKE DETECTOR IS ACTIVATED. INTERLOCK WILL ALSO SHUT DOWN MECHANICAL UNITS. INTERFACE WITH SUPPLY FAN PRESSURE OR FLOW SWITCH TO CLOSE DAMPERS WHEN UNIT IS NOT IN

OPERATION. WHEN POWER IS RESTORED

DAMPER WILL AUTOMATICALLY RE-OPEN.

DAMPER WILL CLOSE IF TEMPERATURE EXCEED 165°F (TEMPERATURE RATING OF THERMAL DISK). THE DAMPER WILL NOT RE-OPEN UNTIL THE THERMAL DISC HEAT SENSOR IS RESET. THE THERMAL RESET BUTTON ALLOWS THE DAMPER TO BE RESET FROM OUTSIDE THE SLEEVE.

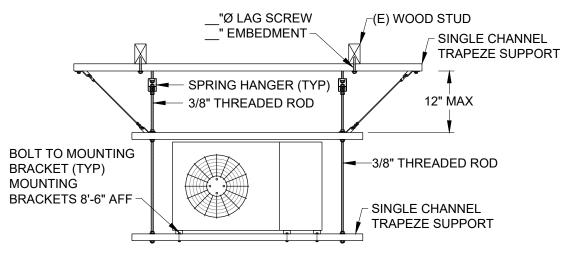
THE SMOKE DAMPER RESPONSE TIMES SHALL MEET THE REQUIREMENTS OFCBC SECTION

WHERE SMOKE DETECTORS DEPENDENT UPON A MINIMAL

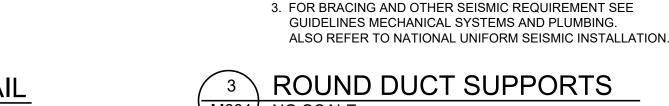
AIR VELOCITY TO OPERATE ARE INSTALLED IN DUCT FOR THE ACTUATION OF THE SMOKE DAMPER. THE SMOKE DAMPERS SHALL BE CONNECTED SUCH THAT WHEN THERE IS NO AIR MOVEMENT THROUGH THE DUCT, THE SMOKE DAMPER SHALL CLOSE.

SMOKE DETECTORS, ESPECIALLY THE SAMPLING TUBE TYPE, ARE DEPENDENT UPON AIR FLOW TO MOVE SMOKE INTO THE DETECTORS' SAMPLING CHAMBER. WHEN AIR HANDLING UNITS ARE SHUT DOWN IT IS IMPORTANT THAT ALL SMOKE DAMPERS IN THE DUCT SYSTEM SERVED BY THAT AIR HANDLER, CLOSE. THIS WILL ENSURE THE SMOKE TIGHT INTEGRITY OF THE FIRE AD SMOKE BARRIER SEPARATIONS AT THE DUCT PENETRATION IS MAINTAINED.

- ISAT "ABF" SEISMIC - ISAT "RCC" SEISMIC BRACKET, ICBO #PFC 5566 BRACKET, ICBO #PFC 5566 MECH EQUIPMENT 45°,±2.5° CABLE BRACE OVERHEAD VIEW ASSEMBLY (TYP)



BLOWER COIL/FAN MOUNTING DETAIL



COPPER TUBE & PIPE

1-1/2" & SMALLER

2" AND LARGER

CLEVIS STRUCTURE

EXPANSION BOLT

LAG BOLT -

FOR SIZE

SEE TABLE

M601

THREADED

HANGER ROD

CLEVIS HANGER

(WIRE HANGERS NOT PERMITTED)

50 INCH DIA. MAX.

1. FOR HANGER SIZE AND SPACING, SEE SMACNA HVAC

2. FOR UPPER ATTACHMENT TO BUILDING SEE SMACNA

SEE SMACNA HVAC FIG. 5-5.

HANGERS AND PIPING SUPPORTS

SIZE OF PIPE (INCH) SPACING OF SUPPORTS (FEET)

2019 CALIFORNIA PLUMBING CODE TABLES 313.3

THREADED

HANGER

ROD TO

NO SCALE

MINIMUM HANGER SIZES FOR ROUND DUCT TABLE 5-2.

HVAC FIG. 5-2, FIG. 5-3, AND FIG 5-4. FOR LOWER SUPPORTS

STRAP HANGER -

DESCRIPTION ACTUATOR (LOCATION MAY VARY). - 1/4" (6) MIN. DAMPER MAY BE SUPPLIED WITHOUT OVERLAP ON ALL SIDES OF DAMPER-ACTUATOR INSTALLED. RUSKIN'S UL LISTED FIRE DAMPER ACTUATORS MAY BE FIELD INSTALLED IF PROPERLY LABELED. SEE ACTUATOR DUCT-INSTALLATION INSTRUCTIONS FOR FIELD MOUNTING OF DAMPER 2. OPTIONAL FIRESTAT OR SWITCH. AUXILLARY OPERATING JACK SHAFT. 7. CAULKING MATERIAL (MAY BE ON EITHER SIDE OF DAMPER FRAME). 8. PFMA OR CONVENTIONAL MOUNTING 9. S-JOINT/DUCT MATE, SLEEVE TO DUCT. 10. SMOKE DETECTOR WITHIN 5' WITHOUT BRANCHING BETWEEN SMOKE

FIRE SMOKE DAMPER CONTROL SEQUENCE OF OPERATION FOR FIRE SMOKE DAMPERS

1. SUPPLY APPROPRIATE ELECTRICAL POWER TO DAMPER. (240VAC OR 120VAC)

WILL AUTOMATICALLY RE-OPEN.

- DAMPER BLADES ARE OPEN WHEN POWER IS
- FIRE/SMOKE DAMPER IN SUPPLY DUCT WILL CLOSE UPON LOSS OF POWER AND/OR SMOKE DETECTION IN THE SUPPLY DUCT OF EACH MECHANICAL UNIT. FIRE/SMOKE DAMPERS IN CEILING RETURN AIR PLENUM WALLS SHALL CLOSE WHEN RESPECTIVE
- SIGNAL FROM AIR DUCT SMOKE DETECTOR LOCATED MINIMAL AREA SMOKE DETECTOR IS ACTIVATED. INTERLOCK WILL ALSO SHUT DOWN MECHANICAL UNITS. INTERFACE WITH SUPPLY FAN PRESSURE OR FLOW SWITCH TO CLOSE DAMPERS WHEN UNIT IS NOT IN

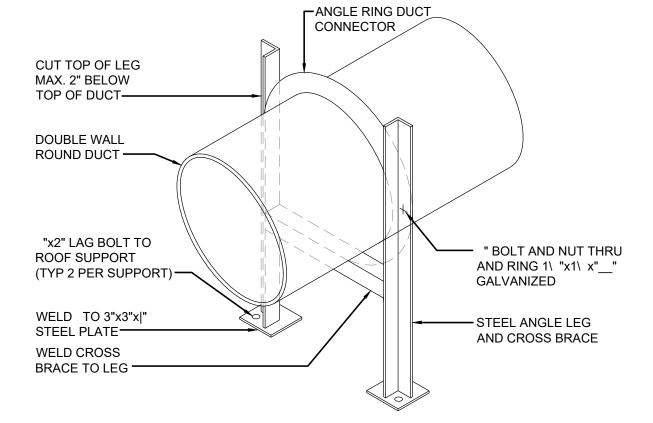
OPERATION. WHEN POWER IS RESTORED DAMPER

- DAMPER WILL CLOSE IF TEMPERATURE EXCEED 165°F (TEMPERATURE RATING OF THERMAL DISK). THE DAMPER WILL NOT RE-OPEN UNTIL THE THERMAL DISC HEAT SENSOR IS RESET. THE THERMAL RESET BUTTON ALLOWS THE DAMPER TO BE RESET FROM OUTSIDE THE
- THE SMOKE DAMPER RESPONSE TIMES SHALL MEET THE REQUIREMENTS OFCBC SECTION 905.14

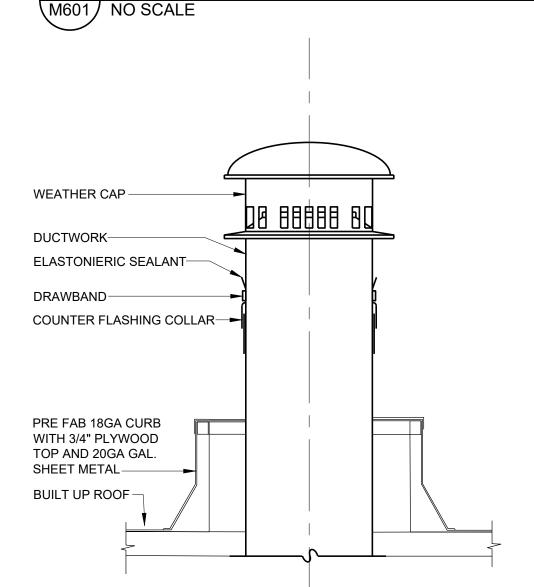
WHERE SMOKE DETECTORS DEPENDENT UPON A

AIR VELOCITY TO OPERATE ARE INSTALLED IN DUCT FOR THE ACTUATION OF THE SMOKE DAMPER, THE SMOKE DAMPERS SHALL BE CONNECTED SUCH THAT WHERE THERE IS NO AIR MOVEMENT THROUGH THE DUCT, THE SMOKE DAMPER SHALL CLOSE.

SMOKE DETECTORS, ESPECIALLY THE SAMPLING TUBE TYPE, ARE DEPENDENT UPON AIR FLOW TO MOVE SMOKE INTO THE DETECTORS' SAMPLING CHAMBER. WHEN AIR HANDLING UNITS ARE SHUT DOWN IT IS IMPORTANT THAT ALL SMOKE DAMPERS IN THE DUCT SYSTEM SERVED BY THAT AIR HANDLER, CLOSE, THIS WILL ENSURE THE SMOKE TIGHT INTEGRITY OF THE FIRE AD SMOKE BARRIER SEPARATIONS AT THE DUCT PENETRATION IS MAINTAINED.

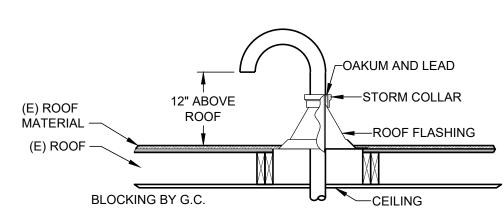


DUCT SUPPORT DETAIL

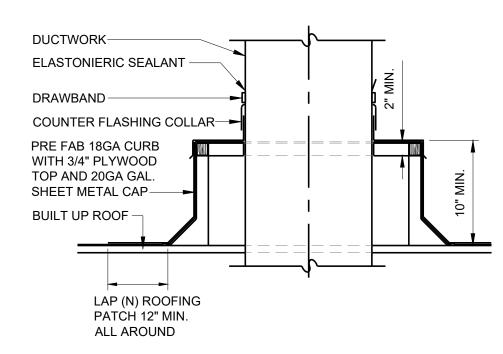


11 SMOKE/FIRE DAMPER- VERTICAL

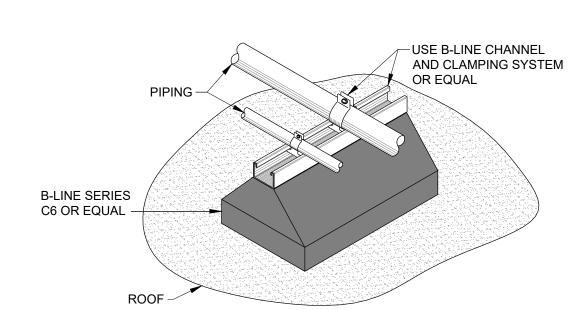
ROOF JACK/ CAP DETAIL NO SCALE



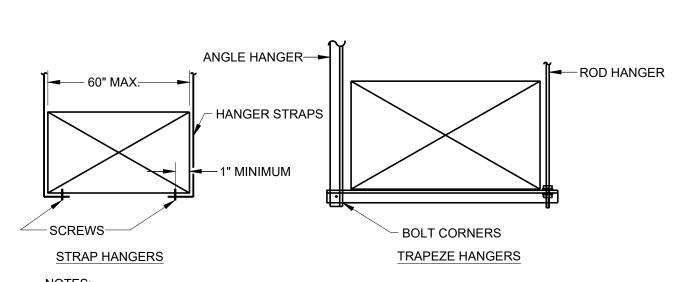
DRYER EXHAUST NO SCALE



DUCT THRU ROOF DETAIL NO SCALE



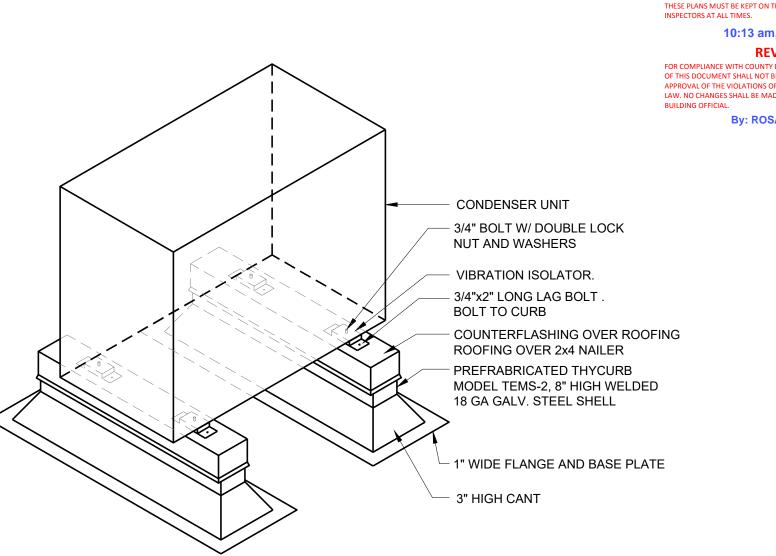
ROOF SUPPORT FOR PIPING NO SCALE



1. FOR HANGERS SIZE AND SPACING, SEE SMACNA HVAC RECTANGULAR DUCT HANGERS MINIMUM SIZE TABLE 5-1.

- 2. FOR UPPER ATTACHMENT TO BUILDING, SEE SMACNA HVAC FIG. 5-2, FIG. 5-3, AND FIG. 5-4 WITH SPECIFIC BUILDING STRUCTURAL ENGINEER APPROVAL. FOR LOWER HANGER ATTACHMENTS, SEE SMACNA HVAC FIG. 5-5.
- 3. FOR BRACING AND OTHER SEISMIC REQUIREMENTS, SEE GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS & PLUMBING PIPING SYSTEMS PUBLISHED BY SMACNA AND PPIC AS APPROVED BY OFICE OF STATE ARCHITECT 10/32/82, OSHPD PRE-APPROVED R0010. ALSO REFER TO NATIONAL UNIFORM SEISMIC INSTALLATION GUIDELINES (NUSIG) 1991 AS APPROVED BY OFFICE OF THE CALIFORNIA STATE ARCHITECT, OSHPD PRE- APPROVED R0215.

RECTANGULAR DUCT SUPPORTS M601/ NO SCALE



LOAD RATED FASTENER

OVER 50 INCH DIA.

──HANGER ROD

► BAND (2)1"x16 GA

TYPE OF JOINT

BRAZED

THREADED HANGER ROD SIZE

EACH FLOOR, NOT TO | SOLDERED OR

2019 CALIFORNIA PLUMBING CODE TABLES 313.6

COMPONENTS PER MFR. RECOMMENDATIONS. VERIF

LL ATTACHMENT TO STRUCTURE WITH STRUCTURAL

ANUFACTURE SHALL CONFORM TO ANSI/MSS SP-58.

ENGINEER PRIOR TO INSTALLATION. PIPE HANGERS

INSTALL LISTED PIPE HANGER SUPPOR

AND SUPPORTS, MATERIALS, DESIGN AND

EXCEED 10'

PIPE SIZE

PROVIDE PIPE SLEEVE

ESCUTCHEON AT ALL

PENETRATIONS

JOIST HANGER

SEE PLAN VIEW

- BAND (2)1"x18 GA

ROOFTOP EQUIPMENT SUPPORT DETAIL M601



STAMP

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

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

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

T. (415) 522-0600

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

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

T: (510) 879-4544

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

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

BUILDING INSPECTION DIVISIO

THESE PLANS MUST BE KEPT ON TI INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 APPROVAL OF THE VIOLATIONS O

BICA22-

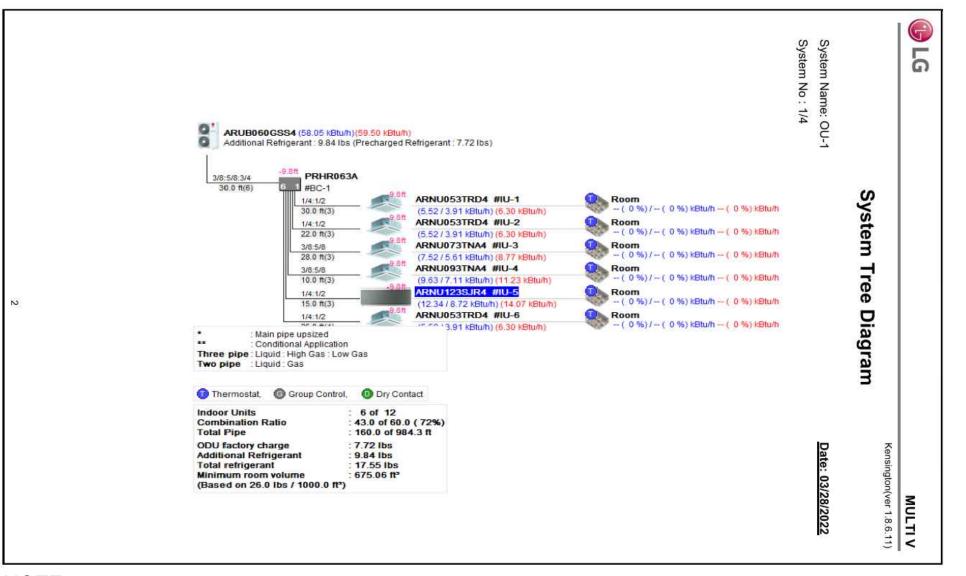
By: ROSALINA ACUFF DESCRIPTION DATE SSUED FOR BUILDING PERMIT 04-01-22 PLAN CHECK COMMENTS 07-22-22

DESCRIPTION

JOB NO.

MECHANICAL DETAILS

M601

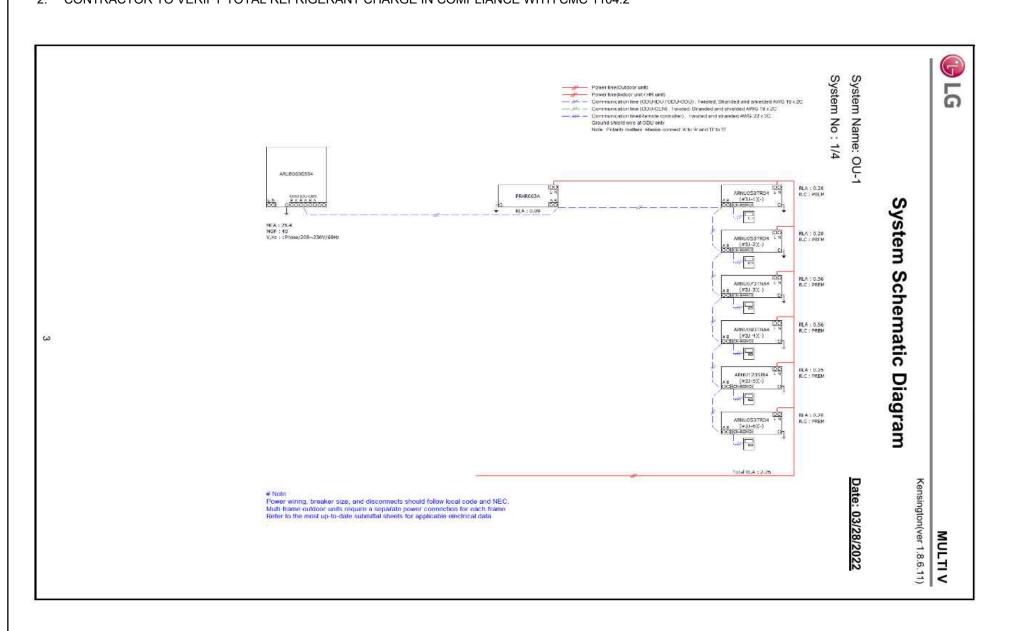


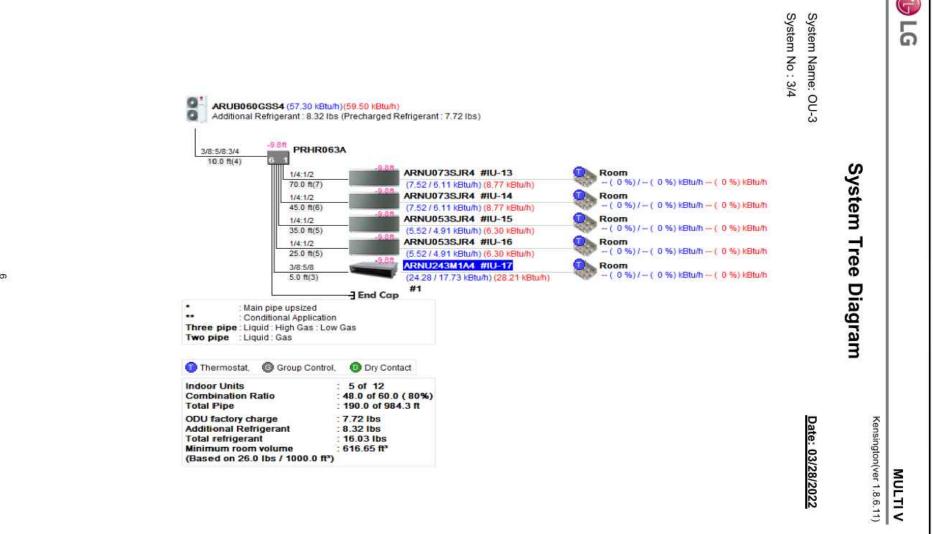
System Schematic Diagram System Schematic Diagram System Schematic Diagram System Schematic Diagram No. 224 Will 19 Will 19

G ARUN024GSS4 (24.11 kBtu/h) (25.07 kBtu/h) dditional Refrigerant: 1.23 lbs (Precharged Refrigerant: 3.97 lbs) Room -- (0 %) /-- (0 %) kBtu/h -- (0 %) kBtu/h ARNU243SKR4 #IU-18 : Main pipe upsized : Conditional Application 1 of 4 24.0 of 24.0 (100%) Indoor Units Combination Ratio Total Pipe 15.0 of 984.3 ft ODU factory charge : 3.97 lbs : 1.23 lbs Additional Refrigerant Total refrigerant Minimum room volume : 200.02 ft3 (Based on 26.0 lbs / 1000.0 ft³)

NOTE:

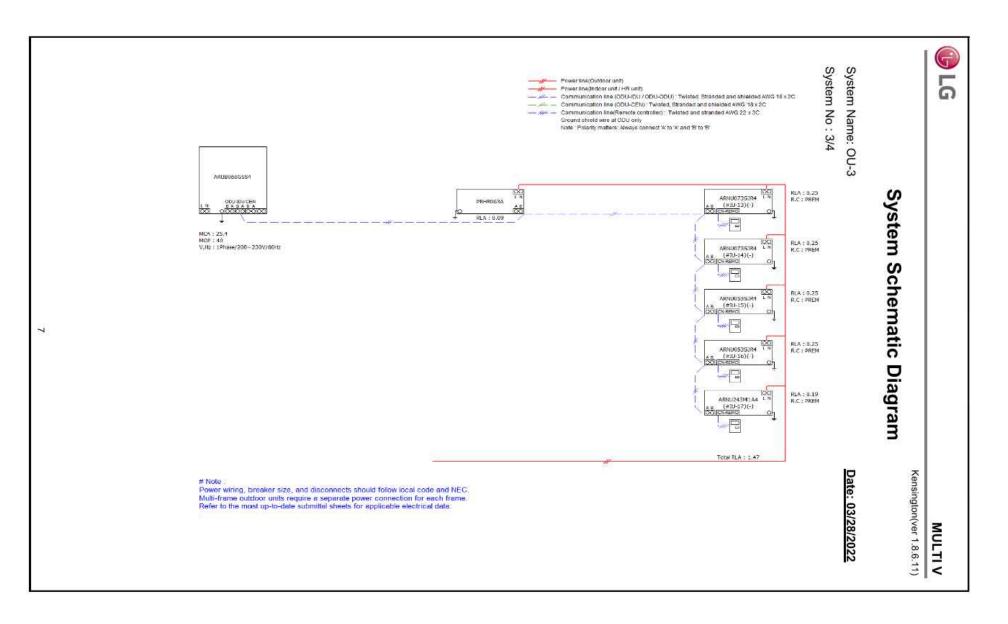
- 1. CONTRACTOR TO FIELD VERIFY REFRIGERANT PIPING LENGTH AND UPDATE VRF SOFTWARE
- 2. CONTRACTOR TO VERIFY TOTAL REFRIGERANT CHARGE IN COMPLIANCE WITH CMC 1104.2





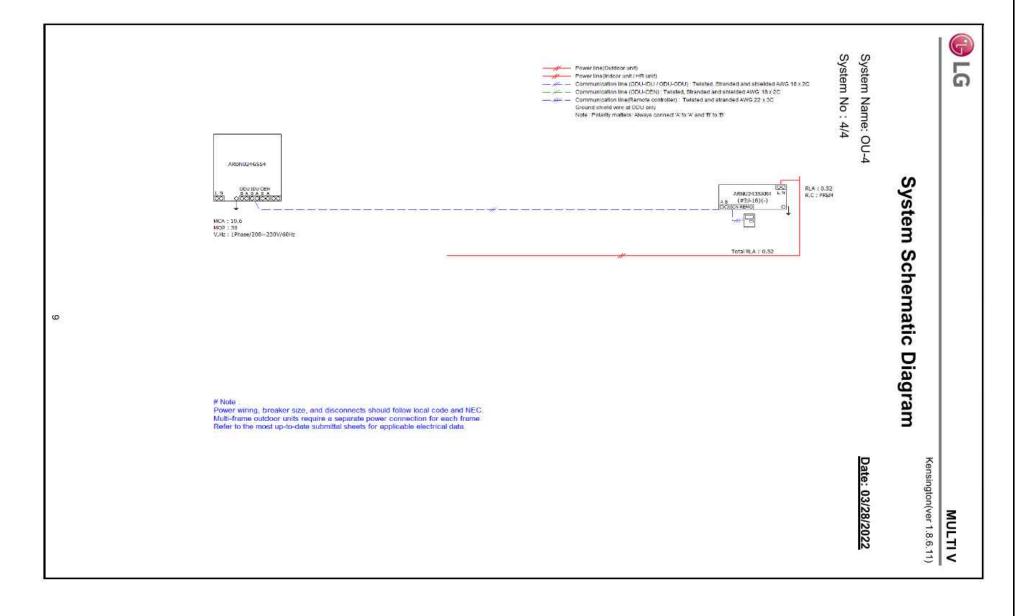
...

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NOTE:

- 1. CONTRACTOR TO FIELD VERIFY REFRIGERANT PIPING LENGTH AND UPDATE VRF SOFTWARE.
- 2. CONTRACTOR TO VERIFY TOTAL REFRIGERANT CHARGE IN COMPLIANCE WITH CMC 1104.2





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List Engineering

2 Harris Court Suite A7, Monterey, CA 93940

www.listengineering.com © LEC 2021

Telephone (831) 373-4390 / Facsimile (831) 373-6522

Mechanical Consultants

Job No. 21025.00

PROJECT ADDRESS

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PROJECT TEAM

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T: (415) 826-9626

CONTACT: HENRY TOORYANI

T: (415) 255-9140

NO. DESCRIPTION DATE

ISSUED FOR BUILDING PERMIT 04-01-22

PLAN CHECK COMMENTS 07-22-22

JOB NO.

DESCRIPTION

MECHANICAL SYSTEM SCHEMATIC DIAGRAM

CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF

LG ARUB060GSS4 (57.90 kBtu/h) (59.50 kBtu/h) Additional Refrigerant: 8.59 lbs (Precharged Refrigerant: 7.72 lbs) 9.8ff PRHR063A #BC-2 Room -(0 %)/-(0 %) kBtu/h -(0 %) kBtu/h ARNU053SJR4 #IU-8 Room -(0 %)/-(0 %) kBtu/h -(0 %) kBtu/h (5.52 / 4.91 kBtu/h) (6.30 kBtu/h) ARNU053SJR4 #IU-9 Room -(0 %)/-(0 %) kBtu/h -(0 %) kBtu/h (5.52 / 4.91 kBtu/h) (6.30 kBtu/h) Room -(0%)/-(0%)kBtu/h-(0%)kBtu/h ARNU053SJR4 #IU-10 5.52 / 4.91 kBtu/h) (6.30 kBtu Room -(0%)/-(0%)kBtu/h-(0%)kBtu/h ARNU153SJR4 #IU-12 Room -(0 %)/-(0 %) kBtu/h -(0 %) kBtu/h : Main pipe upsized : Conditional Application Three pipe: Liquid: High Gas: Low Gas Two pipe : Liquid : Gas Thermostat, G Group Control, Dry Contact Indoor Units : 40.0 of 60.0 (67%) Total Pipe : 191.0 of 984.3 ft ODU factory charge 7.72 lbs Additional Refrigerant Total refrigerant Minimum room volume : 16.31 lbs : 627.34 ft³ (Based on 26.0 lbs / 1000.0 ft³)

NOTE:

- 1. CONTRACTOR TO FIELD VERIFY REFRIGERANT PIPING LENGTH AND UPDATE VRF SOFTWARE.
- 2. CONTRACTOR TO VERIFY TOTAL REFRIGERANT CHARGE IN COMPLIANCE WITH CMC 1104.2

TY.	DESCRIPTION	FU/FIXTURE	DCW FU	DHW FU	REMARKS	
3	WATER CLOSET (FV)	*	90	-	SEE CPC TABLE 610.10	
3	LAVATORY	1	3	3		
3	HOSE BIBB	2.5/1.0	4.5	0	SEE CPC TABLE 610.3	
2	SHOWER	2	4	4		
2	KITCHEN SINK	1.5	3	3		
1	LAUNDRY SINK	1.5	1.5	1.5		
1	DISHWASHER	1.5	1.5	1.5		
1	SERVICE SINK	3	3	3		
2	DRINKING FOUNTAIN	0.5	1	-		
2	CLOTHES WASHER	4	8	8		
3	REFRIGERATOR	0.5	1.5	-		
1	EYEWASH	*	*	*		
1	ICE MAKER	0.5	0.5	-		
		TOTAL:	121.5	24		
	DEMAND IN GPM:		73	38		

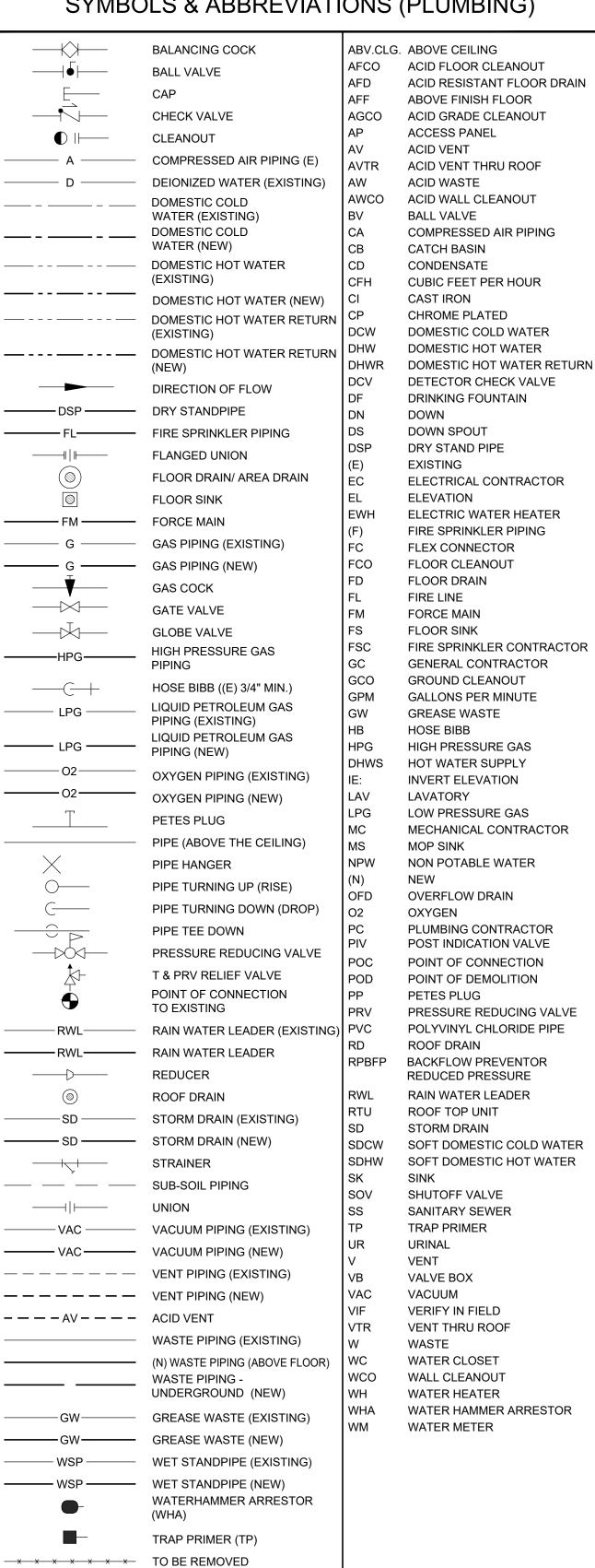
۱۸/۸	STE FIXTURE UNIT CALCULATIONS (DF	 		
	DESCRIPTION	DFU/FIXTURE	TOTAL DFU	REMARKS
3	WATER CLOSET (FV)	4	12	
3	LAVATORY	1	3	
2	SHOWER	2	4	
2	KITCHEN SINK	2	4	
1	LAUNDRY SINK	2	2	
1	DISHWASHER	2	2	
1	SERVICE SINK	3	3	
2	DRINKING FOUNTAIN	0.5	1	
0	HOSE BIBB	1.5	0	
2	CLOTHES WASHER	3	6	
5	FLOOR DRAIN	2	10	
2	FLOOR SINK	2	4	
1	ICE MAKER	0.5	0.5	
		TOTAL:	57.5	

METER ADDRESS:					
MINIMUM SUPPLY PRESSURE:				80	PSI
MAXIMUM FLOW RATE BASED ON FIXTURE UNITS:				73	GPM
LENGTH OF PIPE FROM METER TO FARTHEST FIXTURE:				125	FT
WATER PRESSURE CALCULATION:					
AVAILABLE PRESSURE:				80	PSI
RESIDUAL PRESSURE:				25	PSI
ELEVATION CHANGE:		25	FT	11	PSI
METER LOSS:				10	PSI
BACKFLOW PREVENTOR LOSS:				10	PSI
PRV LOSS:				0	PSI
MAXIMUM AVAILABLE FRICTION LOSS:				24	PSI
(MAX FRICTION) x 100 / (TOTAL LENGTH) =				19.31	PSI/100FT
	(E) WATER SERVICE SIZE:		_	2"	
	SELECTED PIPE SIZE SUPPORTS UP TO:			95	GPM

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

MARK	DESCRIPTION	CFH DEMAND	DISTANCE FROM METER	BRANCH PIPE SIZE
WH-1	WATER HEATER	150000	55'	3/4"
GR-1	GRILLE	40000	60'	3/4"
IR-1	INFRARED HEATER	35000	80'	1/2"
IR-2	INFRARED HEATER	35000	70'	1/2"
IR-3	INFRARED HEATER	35000	65'	1/2"
IR-4	INFRARED HEATER	35000	60'	1/2"
IR-5	INFRARED HEATER	35000	50'	1/2"
IR-6	INFRARED HEATER	35000	25'	1/2"
	TOTAL GAS DEMAND:	400000		
	MAX. PIPING LENGTH:	80'		
	GAS SERVICE SIZE TO BUILDING:		1-1/2"	

SYMBOLS & ABBREVIATIONS (PLUMBING)



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.
- 2. LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT SUPPORTS ARE DETAILED ON THE STRUCTURAL AND ARCHITECTURAL PLANS.
- 3. PLATFORMS, CURBS AND FLASHING FOR EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS. COORDINATE THE EXACT SIZES OF REQUIRED OPENINGS AND SUPPORT FOR THE FURNISHED EQUIPMENT.
- 4. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, AND OTHER
- 5. ALL EQUIPMENT, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
- 6. PIPES SHALL BE SUPPORTED AND BRACED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS."
- 7. COORDINATE PLUMBING SYSTEMS WITH WORK OF OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE
- 8. EXPOSED PIPING ALLOWED ONLY WHERE INDICATED. PROVIDE ESCUTCHEONS IN FINISHED AREAS.
- 9. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL PLUMBING EQUIPMENT.

DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.

- 10. PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR EQUIPMENT PROVIDED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EQUIPMENT.
- 11. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED BY AN APPROVED MATERIAL AS PRESCRIBED IN CBC SECTION 714.
- 12. REFER TO STRUCTURAL DRAWING FOR LOCATIONS OF BEAMS, SHEAR WALLS AND MEMBERS. ALL DRILLING OF STRUCTURAL BEAMS AND MEMBERS TO BE COORDINATED WITH THE STRUCTURAL ENGINEER. ALL HOLES SHALL BE MINIMUM SIZE AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO DRILLING.
- 13. FIELD VERIFY LOCATION AND SIZE OF ALL EXISTING PIPING, DUCTWORK AND EQUIPMENT PRIOR TO FABRICATION OF ANY NEW WORK.
- 14. ALL WATER CLOSETS CONTROLS SHALL BE ON THE WIDE SIDE OF THE FIXTURE AWAY FROM THE
- 15. ALL FAUCET CONTROLS SHALL BE OPERABLE WITH THE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER

BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

10:13 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE

LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

By: ROSALINA ACUFF

DWG#	DRAWING DESCRIPTION
P001	PLUMBING TITLE SHEET
P002	PLUMBING SCHEDULES
P003	TITLE-24 DOCUMENTS
P201	UNDERGROUND PLUMBING PLAN
P202	PLUMBING WASTE, RWL & VENT GROUND FLOOR PLAN
P203	PLUMBING WASTE, RWL & VENT SECOND FLOOR PLAN
P204	PLUMBING WASTE, & VENT ROOF PLAN
P205	PLUMBING DCW, DHW, & GAS GROUND FLOOR PLAN
P206	PLUMBING DCW, DHW, & GAS SECOND FLOOR PLAN
P601	DETAILS

PLUMBING FIXTURE COUNTS CALCULATIONS SERVICE/ OCCUPANCY GROUP WATER CLOSETS FEMALE URINALS LAVATORIES OCC. LOAD MALE SHOWERS DRINKING **FOUNTAINS** LAUNDRY SINK MALE FEMALE MALE MALE FEMALE S-2 1:1-100 0.04 1:1-100 0.04 1:1-200 0.02 1:1-200 0.02 1:1-250 4 4 1:1-50 0.08 1:1-15 0.27 1:1-100 0.04 1:1-75 0.05 1:1-50 0.08 1 PER 150 R-2 (DORM) PER 25 1 PER 12 1 PER 8 6 3 1 PER 10 0.30 1 PER 8 0.38 0.12 0.25 1 PER 12 0.25 1 PER 50 R-2 (EMPLOYEE USE) 1 PER 40 1 PER 40 6 1:1-15 0.40 1:1-15 0.40 0.15 0.15 0.82 1.08 0.47 0.50 REQUIRED FIXTURE COUNTS 0.16 REQUIRED FIXTURE COUNTS 1 PROVIDED FIXTURE COUNTS 3WC 2

- 1. SINGLE-USE TOILET FACILITIES SHALL BE PERMITTED FOR USE BY BOTH SEXES, PER CPC 2019 422.2 (1) AND (3).
- 2. NO URINALS ARE PROVIDED AS TOILET FACILITIES ARE FOR SINGLE USE ONLY. ADDITIONAL WATER CLOSET IS PROVIDED.

List Engineering Mechanical Consultants 2 Harris Court Suite A7, Monterey, CA 93940 Telephone (831) 373-4390 / Facsimile (831) 373-6522 www.listengineering.com © LEC 2021 Job No. 21025.00

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM CLIENT: KENSINGTON FIRE

PROTECTION DISTRICT

KENSINGTON, CA 94707

CONTACT: BILL HANSELL

217 ARLINGTON AVE

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

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

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

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T: (415) 826-9626

NO.	DESCRIPTION	DATE
$\overline{}$	ISSUED FOR BUILDING PERMIT	04-01-22
/8\	PLAN CHECK COMMENTS	07-22-22

DESCRIPTION

PLUMBING TITLE SHEET





CODE	DESCRIPTION	MANUFACTURER	MODEL	ACCESSIBLE	MC	UNTING TYPE	GOOSENECK		MIN. RO	DUGH-IN	CONN (IN)		LOCATION	REMARKS
						OUNTER TOP WALL					HW NP			
WC-1	WATER CLOSET	тото	CT705ULN(G)	ADA	•		_	4	2	1		- RES	STROOM, BATH 2	1.28 GPF, FLUSH VALVE
WC-2	WATER CLOSET	тото	CT705ULN(G)	_	•		_	4	2	1		-	BATH 1	1.28 GPF, FLUSH VALVE
														1.5 GPM. PRESSURE-BALANCING MIXING VALVE WITH INTEGRAL HANDLE, VOLUME CONTROL, INTEGRAL STOPS, 1.5 GPM FLOW RATE RESTRICTOR, OPTIONAL EF-100 WAND,
SH-1	SHOWER	тото	TS362P	ADA	-	- •		_	-	1/2	1/2 –	-	BATH 2	TOTO TBW01020U2 HAND-HELD SHOWER WITH IN-LINE VACUUM BREAKER, TS101W60 60" METAL BRAIDED HOSE, WALL CONNECTION AND TS100GR 30" SLIDE BAR.
														PROVIDE CHROME DRAIN, TOTO TBV01103U 2-WAY DIVERTER, TOTO TBW01013U4 FIXED SHOWER HEAD LOCATED NOT FACING SHOWER ENTRANCE, SEE ARCH.
SH-2	SHOWER	тото	TS362P	-	_	- •		_	_	1/2	1/2 –	-	BATH 1	1.5 GPM. PRESSURE-BALANCING MIXING VALVE WITH INTEGRAL HANDLE, VOLUME CONTROL, INTEGRAL STOPS, 1.5 GPM FLOW RATE RESTRICTOR, OPTIONAL EF-100 WAND.
														HAND-HELD SHOWER TOTO TBW01020U2 WITH IN-LINE VACUUM BREAKER, TS101W60 60" METAL BRAIDED HOSE, WALL CONNECTION AND TS100GR 30" SLIDE BAR. PROVIDE CHROME DRAIN.
L-1	LAVATORY	CATALANO	180SVP00	ADA	_	- •		2	11/2	1/2	1/2 –	- RES	STROOM, BATH 2	0.35 GPM. TOTO TL363SDA03 FAUCET, SINGLE HANDLE, SINGLE HOLE INSTALLATION, GRID DRAIN ASSEMBLY, CARRIER SUPPORT.
L-2	LAVATORY	CATALANO	180SVP00	-	-	- •		2	11/2	1/2	1/2 –	-	BATH 1	0.35 GPM. TOTO TL363SDA03 FAUCET, SINGLE HANDLE, SINGLE HOLE INSTALLATION, GRID DRAIN ASSEMBLY, CARRIER SUPPORT.
SK-1	KITCHEN SINK	BLANCO	QUATRUS MEDIUM SINGLE	ADA	-	• –	•	2	11/2	1/2	1/2 –	-	KITCHEN	1.5 GPM. 32"X18", ADA COMPLIANT 25"X18", 5-1/2" DEEP SINK W/ JUST JPR-701-N SS FAUCET, LK-35LSTRAINER PROVIDE VALVE AND SUPPLY TUBING FOR COFFEE MAKER.
SK-2	KITCHEN SINK	BLANCO	QUATRUS MEDIUM SINGLE	_	_	• –	•	2	11/2	1/2	1/2 –	-	KITCHEN	1.5 GPM. 32"X18", 9" DEEP SINK W/ JUST JPR-701-N SS, LK-35L STRAINER PROVIDE INSINKERATOR, BADGER 5XP 3/4HP GARBAGE DISPOSAL.
SK-3	LAUNDRY SINK	ELKAY	SEHS-17X	-	-	- •	•	2	11/2	1/2	1/2 –	-	LAUNDRY	1.5 GPM
SK-4	SERVICE SINK	JUST	SB-230-24R	-	•	- •	•	2	11/2	1/2	1/2 –	-	DECON	1.0 GPM. CHICAGO FAUCETS: 510-G613L12XKCAB, PRE-RINSE FITTING W/ 8" ADJUSTABLE CENTERS. CHICAGO FAUCETS: 625-ABCP FOOT OPERATED REMOTE VALVE.
CW-1	CLOTHES WASHER	GE	GFW550	ADA	•		_	2	11/2	1/2	1/2 –	-	LAUNDRY	PROVIDE WITH WHA
CW-2	EXTRACTOR	MILNOR	T SERIES 30015T6X	-	•		_	3	2	3/4	3/4 –	- AS	SSEMBLY BAY	PROVIDE WITH WHA
DW-1	DISHWASHER	GE	GDT225	ADA	•		_	2	-	_	1/2 –	-	KITCHEN	SEE DETAIL 5/ P601
RF-1	REFRIGERATOR	GE	GFE28	ADA	•		_	_	_	1/2		-	KITCHEN	
RF-2	REFRIGERATOR	GE	GNE29	_	•		_	_	_	1/2		-	KITCHEN	
IM-1	ICE MAKER	KITCHENAID	KUID508H	_	•		_	3/4	_	1/2		-	KITCHEN	DRAIN WASTE TO FLOOR SINK IN ASSEMBLY BAY WITH 1" AIR GAP.
FD-1	FLOOR DRAIN	WATTS	FD-100-A5-7	-	•		_	2	1 1/2	_	- 1/2	/2	MULTIPLE	EPOXY COATED, CAST IRON BODY, REVERSIBLE . FLASHING CLAMP WITH PRIMARY AND SECONDARY WEEPHOLES, NO HUB OUTLET.
														WATTS -A5 ADJUSTABLE ROUND STRAINER, 5" (127 MM) DIAMETER NICKEL BRONZE. TRAP PRIMER CONNECTION.
FS-1	FLOOR SINK	ZURN	Z1900	_	•		_	2	1 1/2	_	- 1/2	/2	MULTIPLE	SANI-FLOOR RECEPTOR. 12X12X6 DEEP CAST IRON BODY AND SQUARE. LIGHT DUTY 3/4 GRATE W/ 1/2"SLOTTED OPENINGS. WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP.
														COMPLETE W/ ABS ANTI-SPLASH INTERIOR BOTTOM DOMW STRAINER. NO HUB CONNECTION. TRAP PRIMER CONNECTION.
EW-1	EYEWASH	GUARDIAN	G1849	_	 	• –	_	_	_	1/2	1/2 –	- AS	SSEMBLY BAY	MOUNT ON SK-4. PROVIDE WITH TEMPERATURE MIXING VALVE.
HB-1	HOSE BIBB	NIBCO	QT54X	_	1 - 1	_ •	_	_	_	3/4		-	EXTERIOR	VACUUM BREAKER
DF-1	DRINKING FOUNTAIN	ELKAY	EZH20 LZSTLDDWSSK/LZWSR	_	 	- •	_	2	11/2	1/2		-	LOBBY	0.5 GPM. WALL MOUNTED BARRIER FREE, 14 GAUGE TYPE 304 STAINLESS STEEL DRINKING FOUNTAIN WITH BOTTLE FILLER
RD-1	ROOF DRAIN	JAY R SMITH	DX1010	-	1 •		-	3	_	_		-	ROOF	
D-2/OFD-1	ROOF DRAIN/ OVERFLOW DRAIN	JAY R SMITH	1850	-	1.		-	3	_	_		-	ROOF	COMBINATION ROOF AND OVERFLOW DRAIN
TP-1	TRAP PRIMER	MIFAB	M-500 W/ DISTRIBUTION UNIT MI-DU	-	-		-	_	_	_		-	MULTIPLE	
SOI-1	SAND & OIL INTERCEPTOR	STRIEM	OS-100					4	3			-	DRIVEWAY	BURIED, CONNECT TO SANITARY SEWER.
TD-1	TRENCH DRAIN	ZURN	Z886 TRENCH NO. 8601, 8602, 8603		1.			4				- Д.	SSEMBLY BAY	SEE STRUCTURAL DETAIL.

PIPE MATERIAL SCH	IEDULE					
SYSTEM	LOCATION	SIZE	PIPE	FITTINGS	JOINTS	TEST
SANITARY WASTE	ABOVE GROUND	3" & LARGER	SERVICE WT. CAST IRON	SERVICE WT. CAST IRON	HUSKY #4000 NO-HUB SS FITING	1
	ABOVE GROUND	2-1/2" & SMALLER	STD WT. GALV. STEEL	SERVICE WT. CAST IRON	HUSKY #4000 NO-HUB SS FITING	1
SANITARY VENT	ABOVE GROUND	3" & LARGER	SERVICE WT. CAST IRON	SERVICE WT. CAST IRON	HUSKY #4000 NO-HUB SS FITING	WATER TO ROOF
	ABOVE GROUND	2-1/2" & SMALLER	STD WT. CAST IRON	SERVICE WT. CAST IRON	HUSKY #4000 NO-HUB SS FITING	WATER TO ROOF
DOMESTIC COLD WATER	ALL	4" & LARGER	TYPE "L" COPPER HARD	CAST SOLDER	95-5 SOLDER	150 PSI WATER
	ALL	3" & SMALLER	TYPE "L" COPPER HARD	WROT SOLDER	95-5 SOLDER	
DOMESTIC HOT WATER &	ABOVE GROUND	ALL	TYPE "L" COPPER HARD	WROT SOLDER	95-5 SOLDER	2
DOMESTIC HOT WATER RETURN						
NATURAL FUEL GAS	ALL	2-1/2" & LARGER	STD. WT. BLACK STEEL	FORGED SEAMLESS WELD	WELDED	PER CODE
	ALL	2" & SMALLER	STD. WT. BLACK STEEL	150 LB. BLACK MALLEABLE	SCREWED	PER CODE

NOTES

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

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

YPE:

1. GLASS FIBER WITH PREFORMED PIPE INSULATION WITH STANDARD JACKET.

2. GLASS FIBER BLANKET INSULATION WITH VAPOR BARRIER R4.2 MIN.

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

4. CELLULAR GLASS FORMED PIPE INSULATION.

5. ALUMINUM JACKET.

6. POLYETHYLENE POLYPROPYLENE.

NOTES:

ON BRANCH LINES 10' LONG & CONN. DIRECTLY TO FIXTURE OR TERMINAL UNIT USE 1/2" INSULATION.
 DOMESTIC COLD WATER SHALL NOT BE INSULATED IF AMBIENT TEMPERATURE IS BELOW DEW POINT.
 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.

WATER H	IEATER SCHEDULE												
CODE	LOCATION	SERVICE	GAS MBH	TANK	GPH @ 100 F		ELECTRICAL		WEIGHT	HEIGHT	PART	MFG	REMARKS
			INPUT	CAPACITY	RISE	AMP	VOLT	PH	(LBS)	(IN)	NO.		
WH-1	STORAGE	DHW	150	100 GAL	178	5	120	1	523	77	BTH-150(A)	AOSMITH	1., 2.

REMARKS:

- 1. 1357 LBS WATER FILLED, 95% THERMAL EFFICIENCY, CONVENTIONAL POWER VENTING (SEE DETAIL 9/P601).
- 2. PROVIDE CONDENSATE NEUTRALIZATION KIT P/N 100289339. CONNECT WH-1 TO NEUTRALIZER W/ PVC PIPE.

	PUMP SC	HEDULE															
ſ	CODE	LOCATION	SERVICE	GPM	FT. HD.	CONN.	PUMP	MIN	N	MOTOR DATA	4			WT	P/N	MFG.	REMARKS
						SIZE	RPM	% EFF	WATT	RPM	VOLT	PH	HZ	LBS			
	CP-1	ADJACENT TO WATER HEATER	DHWR	1.4	3	1/2"	-	-	44	3725	120	1	60	2	006E3	TACO	1., 2.

NOTES:

- 1. COMPOSITE MATERIAL. PROVIDE DIELECTRIC CONNECTIONS IF CONNECTED TO DISSIMILAR METAL.
- 2. SECURE WITH STEEL STRUTS AND CLAMPS.

AUTOMA ⁻	TIC GAS SHUT-OFF VALVE SCHEDULE						
CODE	LOCATION	SERVICE	ELECTRICAL		EQUIPMENT	MFG.	REMARKS
			VOLT	AMP			
SOV-1	KITCHEN	GRILL			GAS VALVE ASSEMBLY	ISIMET	1.
FLA-1	KITCHEN (NEXT TO OVEN/RANGE)	GRILLE SOV	120	5	FLAV2	ISIMET	1.
OGC-1	NEXT TO GRILL CONNECTION	GRILL SOV			OUTDOOR GRILL CONTROLLER	ISIMET	1.

NOTES:

1. CONNECT SYSTEM PER MANUFACTURER'S INSTRUCTIONS. CONNECT SYSTEM TO FIRE ALARM SYSTEM.

EXPANSI	ON TANK SCHEDULE			
SYMBOL	DESCRIPTION	CAPACITY (GAL)	MAKE & MODEL	REMARKS
ET-1	EXPANSION TANK	4.7	AMTROL ST-447-C	1,2

NOTE:

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

SAND C	OIL INTERCEPTOR S	CHEDUL	.E							
CODE	LOCATION	FLOW RATE	DIMENSION	EL	ECTRIC	AL	WT	P/N	MFG.	REMARKS
		GPM		VOLT	PH	HZ	LBS			
SOI-1	ASSEMBLY BAY APRON	100	68"L x 33"W x 52"H	120	1	60	230	OS-100-SS	STRIEM	1.

1. PROVIDE W/ TRAFFIC RATED ACCESS PANEL COVER.

CONTRA COSTA COUNTY
BUILDING INSPECTION DIVISION

PERMIT NUMBER
BICA22-004407

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

10:13 am, Aug 05, 2022

REVIEWED

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL.

By: ROSALINA ACUFF

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Mechanical Consultants

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Job No. 21025.00

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217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

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

SAN FRANCISCO, CA. 94117 CONTACT: KAREN MAR T. (415) 522-0600 STRUCTURAL: ZFA STRUCTURAL ENGINEERS

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

T: (415) 826-9626

T: (415) 255-9140

NO.	DESCRIPTION	DATE
$\overline{\Lambda}$	ISSUED FOR BUILDING PERMIT	04-01-22
/ 8\	PLAN CHECK COMMENTS	07-22-22
JOB N	NO.	

DESCRIPTION

PLUMBING SCHEDULES

P002

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION NRCC-PLB-E CERTIFICATE OF COMPLIANCE NRCC-PLB-E This document is used to demonstrate compliance for nonresidential occupancies with requirements in §110.1, §110.3, §120.3, and §140.5, and with requirements in §141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in §110.1, §110.3, §120.3, §150.0 and §150.1(c)8, and with requirements §150.2 for additions. (Page 1 of 4)

Project Name: Kensington Public Safety Building Report Page: Project Address: 217 Arlington Ave. Date Prepared:

A. G	ENERAL INFORMATION					
01	Project Location (city)	Kensi	ngton	02	Climate Zone	3
03	Occupancy Types Within P	roject (select all that apply):				
X	Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel			
П	State Building	☐ Healthcare Facility	Other (Write In)			

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §140.5, §150.1(c)8, and §141.0(a), or §141.0(b)2N for additions or alterations. Solar water heating systems are documented on the NRCC-SRA compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03				
My project consists of (check all that apply):	System Type ^{1,2}	System Components				
New system (DHW system being installed for the first time in newly constructed building)		☐ Equipment	☐ Distribution	☐ Controls		
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution	☐ Controls		

¹FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.

Puwelling units refers to hotel/motel guest rooms and units in a high-rise residential occupancy.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

STATE OF CALIFORNIA

Registration Number:

STATE OF CALIFORNIA

Project Name:

Project Address:

CERTIFICATE OF COMPLIANCE

Domestic Water Heating System NRCC-PLB-E

NRCC-PLB-E	• ·	CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE		NRCC-PLB-E
Project Name:	Kensington Public Safety Building Report Page:	(Page 3 of 4)
Project Address:	217 Arlington Ave. Date Prepared:	3/9/2022

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at

Yes	No	Form/Title	Field Inspector			
162	No Form/Title NRCI-PLB-01-E - Must be submitted for all buildings NRCI-PLB-02-E - Must be submitted for high-rise residential and hotel/motel central hot water distribution systems to be	Pass	Fail			
•	0	NRCI-PLB-01-E - Must be submitted for all buildings				
0	•	NRCI-PLB-02-E - Must be submitted for high-rise residential and hotel/motel central hot water distribution systems to be recognized for compliance.				
0		NRCI-PLB-03-E - Must be submitted for high-rise residential and hotel/motel single dwelling unit hot water distribution systems to be recognized for compliance.				

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to service water heating requirements.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Domestic Water Heating System

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be completed by a HERS Rater and provided to the building inspector during construction. The final documents must be created by a HERS Providers registry, but drafts can be found online at https://www.energy.ca.gov/title24/2019standards/2019 compliance documents/Nonresidential Documents/NRCI/

Yes	No	Form/Title	Field In	spector
	NO	Tomy ride	Pass	Fail
0		NRCV-PLB-21-H High-rise Residential Central Hot Water Distribution HERS Verification		
0		NRCV-PLB-22-H High-rise Residential Individual Dwelling Unit Hot Water Distribution HERS Verification		

Registration Number:

Registration Date/Time:

Report Version: 2019.1.003

Registration Provider: Energysoft

Report Generated: 2022-03-09 14:15:23

3/9/2022

Registration Date/Time:

Kensington Public Safety Building Report Page:

217 Arlington Ave. Date Prepared:

Report Version: 2019.1.003

Schema Version: rev 20190401

Registration Provider: Energysoft

Report Generated: 2022-03-09 14:15:23

CALIFORNIA ENERGY COMMISSION

NRCC-PLB-E

3/9/202

(Page 4 of 4)

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Mechanical Consultants

Job No. 21025.00

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Schema Version: rev 20190401 STATE OF CALIFORNIA Domestic Water Heating System CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-PLB-E Project Name: Kensington Public Safety Building Report Page: (Page 2 of 4) Project Address: 217 Arlington Ave. Date Prepared: 3/9/2022 C. COMPLIANCE RESULTS Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for quidance. Domestic Hot Water Equipment Distribution Systems Controls **Compliance Results** Table G Table H Yes COMPLIES D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. E. ADDITIONAL REMARKS This table is includes remarks made by the permit applicant to the Authority Having Jurisdiction. F. DOMESTIC HOT WATER EQUIPMENT

Documentation Author Signature: Documentation Author Name: gnature Date List Engineering Company 022-03-09 CEA/ HERS Certification Identification (if applicable): RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirement of Title 24. Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Responsible Designer Signature: onsible Designer Name: Ron Blue List Engineering Company 2022-03-09 City/State/Zip: Monterev, Ca 93940

831-373-4390

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

This section does not apply to this project.

This section does not apply to this project.

H. DOMESTIC HOT WATER CONTROLS This section does not apply to this project.

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

Registration Date/Time: Report Version: 2019.1.003

Schema Version: rev 20190401

Registration Provider: Energysoft Report Generated: 2022-03-09 14:15:23

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Registration Date/Time:

Report Version: 2019.1.003

Schema Version: rev 20190401

Registration Provider: Energysoft Report Generated: 2022-03-09 14:15:23

CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION

BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 REVIEWED

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

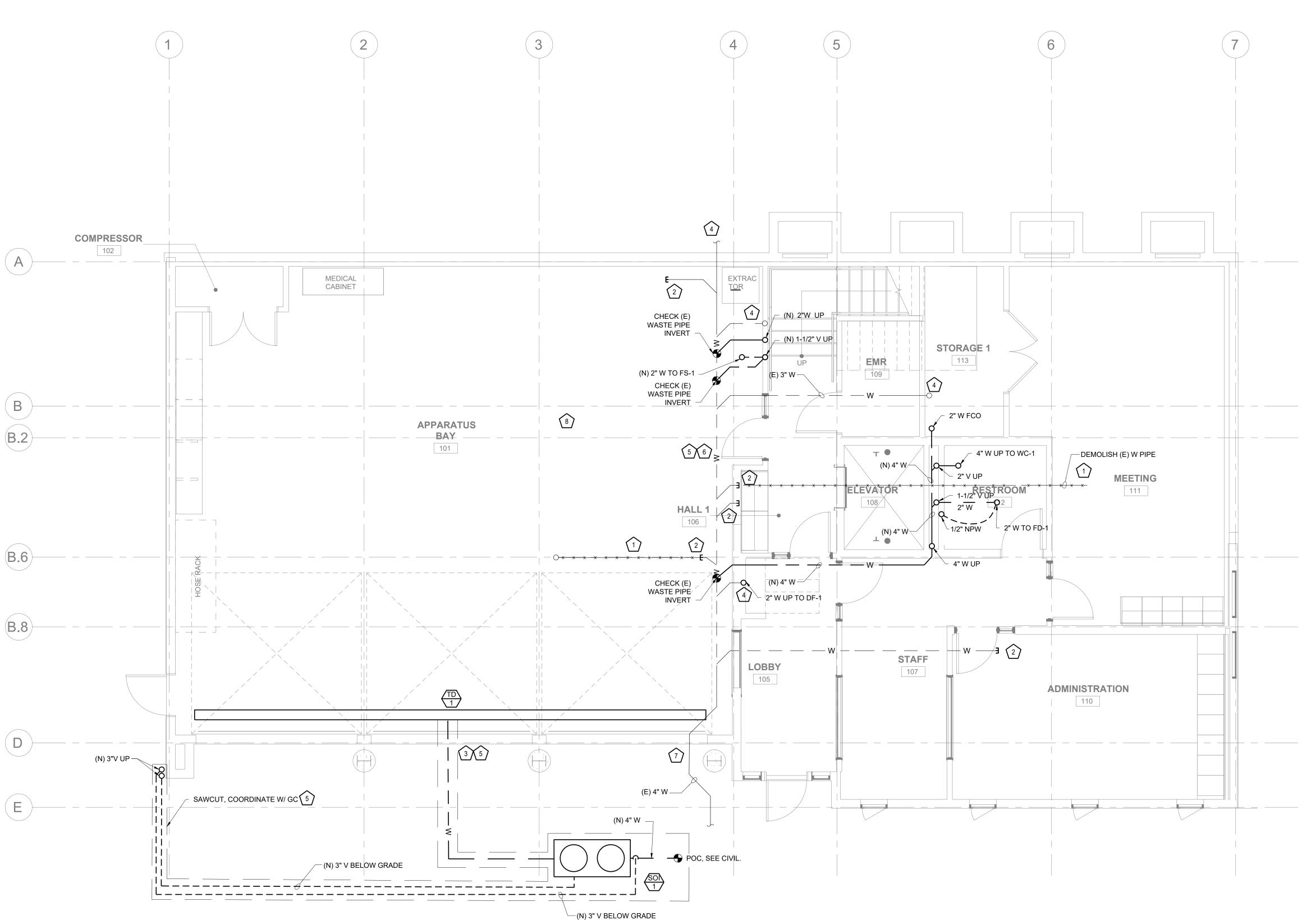
By: ROSALINA ACUFF

DESCRIPTION DATE ISSUED FOR BUILDING PERMIT 04-01-22 8 PLAN CHECK COMMENTS 07-22-22 JOB NO.

DESCRIPTION TITLE 24 DOCUMENTS







1 UNDERGROUND PLUMBING PLAN
P201 SCALE:1/4"=1'-0"

- CONTRACTOR TO VERIFY (E) WASTE BELOW FLOOR PRIOR TO DEMOLITION.
- 2. PROVIDE (N) CAP TO UNUSED PORTION OF PIPE.
- PIPING TO GO UNDER STRUCTURAL FOOTING. SEE STRUCTURAL.
- 4. (E) PIPING TO REMAIN.
- CONTRACTOR TO PROVIDE UNDERGROUND SURVEY OF PIPE ROUTE PRIOR TO SAWCUT AND EXCAVATION. RESTORE PAVEMENT TO MATCH ADJACENT.
- 6. PROTECT (E) PIPING TO REMAIN DURING FOUNDATION UPGRADE.
- 7. VIF (E) WASTE PIPE ROUTING. PROVIDE FCO PER CODE.

CONTRA COSTA COUNTY

PERMIT NUMBER
BICA22-004407

10:13 am, Aug 05, 2022

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By: ROSALINA ACUFF

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

8. PROTECT (E) STORM WATER DRAINAGE SYSTEM DURING DEMOLITION. VIF LOCATION OF (E) SYSTEM.

List Engineering
Mechanical Consultants

2 Harris Court Suite A7, Monterey, CA 93940
Telephone (831) 373-4390 / Facsimile (831) 373-6522

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PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

CIVIL:

MEP:

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

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

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

CONTACT: MATT FRANTZ
T: (650) 394-8869

BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400

WALNUT CREEK, CA 94596

CONTACT: ERIC SWANSON T: (925) 940-2200 GEOTECH: HALEY ALDRICH

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

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

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

CONTACT: PETER MCDONALD T: (415) 255-9140

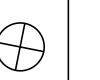
ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
$\overline{\ }$	ISSUED FOR BUILDING PERMIT	04-01-22
/ 8\	PLAN CHECK COMMENTS	07-22-22
JOB N	NO.	

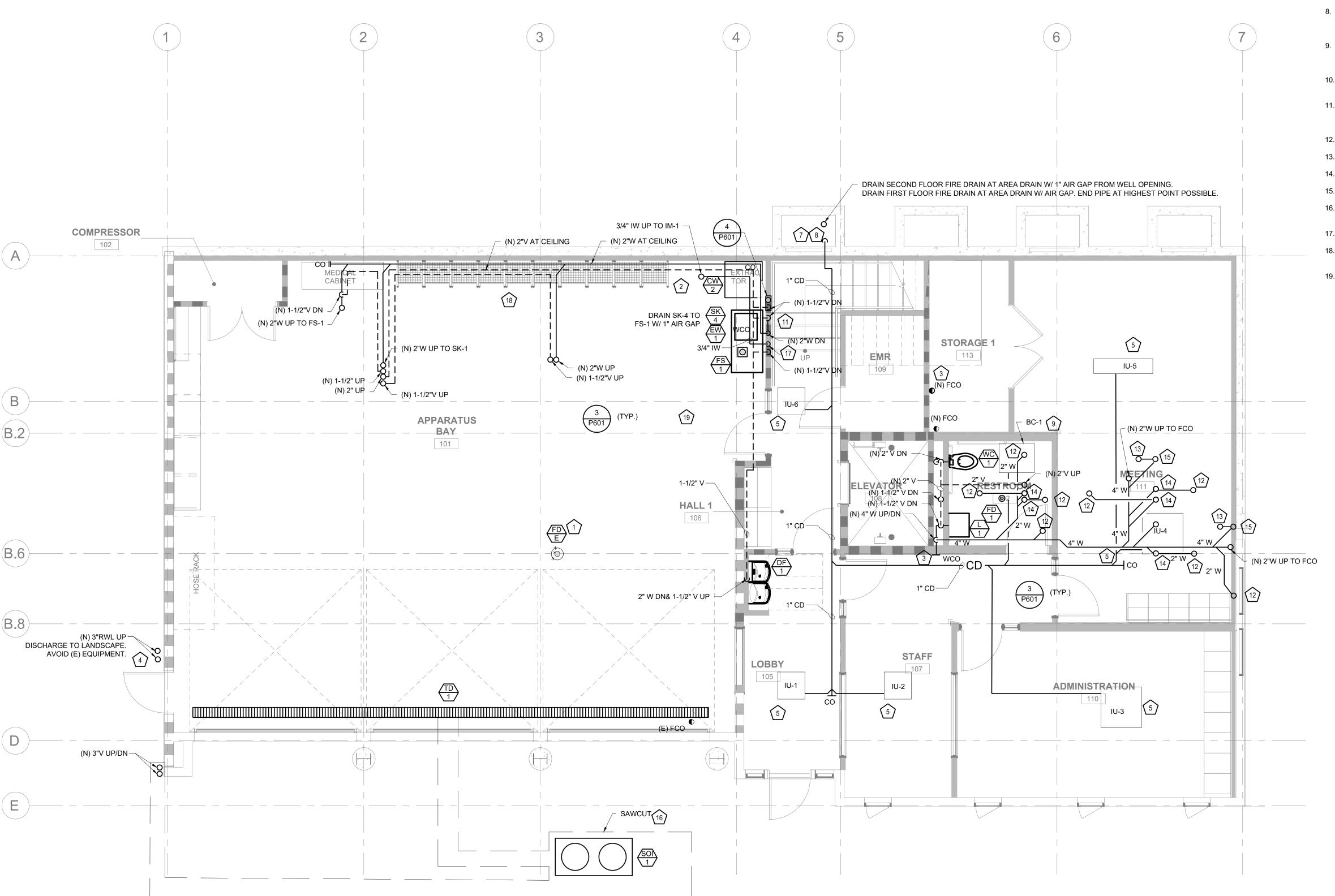
DECODIDE

DESCRIPTION

UNDERGROUND PLUMBING
PLAN



P201



GROUND FLOOR PLAN

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



- 1. REMOVE (E) FD COMPLETE..
- 2. REMOVE (E) FIXTURES AND PIPING COMPLETE ABOVE FLOOR.
- 3. PROVIDE (N) WCO.
- 4. PROVIDE SPLASH BLOCK.
- 5. PROVIDE CONDENSATE DRAIN. CONTRACTOR TO COORDINATE PIPE ROUTING WITH THE ARCHITECT. INSTALL CD PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
- 6. NOT USED.
- 7. TERMINATE 1" CD TO AREA DRAIN AND PROVIDE AIR GAP. END PIPE AT HIGHEST POINT POSSIBLE.
- 8. CLEAN UP WELL. EXAMINE CONDITION OF (E) AREA DRAIN. REFURBISH IF NECESSARY. PROVIDE WATER DETECTION ALARM AT 1' ABOVE AREA DRAIN.
- 9. PROVIDE DRAIN PAN AND CONNECT 3/4" CD TO MAIN AND PROVIDE WATER DETECTION ALARM THAT SHUT-OFF UNIT WHEN ACTIVATED.
- 10. PIPING TO GO UNDER STRUCTURAL FOOTING. SEE STRUCTURAL.
- 11. CONNECT EXTRACTOR STANDPIPE WASTE TO (N) 2"W DN ALONG WALL ABOVE GRADE. AVOID TRENCHING INTO (E) STRUCTURAL FOOTING.
- 12. (N) 2"W UP.
- 13. (N) 4"W UP.
- 14. (N) 1-1/2"V UP.
- 15. (N) 2"V UP.
- 16. CONTRACTOR TO SAWCUT AND REPAIR TO MATCH (E). COORDINATE WITH CIVIL AND ARCHITECT.
- 17. DRAIN 3/4" INDIRECT WASTE TO FS-1 WITH 1" AIR GAP.
- 18. RUN ALL PIPES AT BACK OF ASSEMBLY BAY INSIDE (N) WALL OR INSIDE (E) SOFFIT.

CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION
PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

10:13 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE

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19. PROTECT (E) STORM WATER DRAINAGE SYSTEM DURING DEMOLITION. VIF LOCATION OF (E) SYSTEM.

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217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

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

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101

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

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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.

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

2 HARRIS CT STE A7

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

CONTACT: PETER MCDONALD T: (415) 255-9140

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

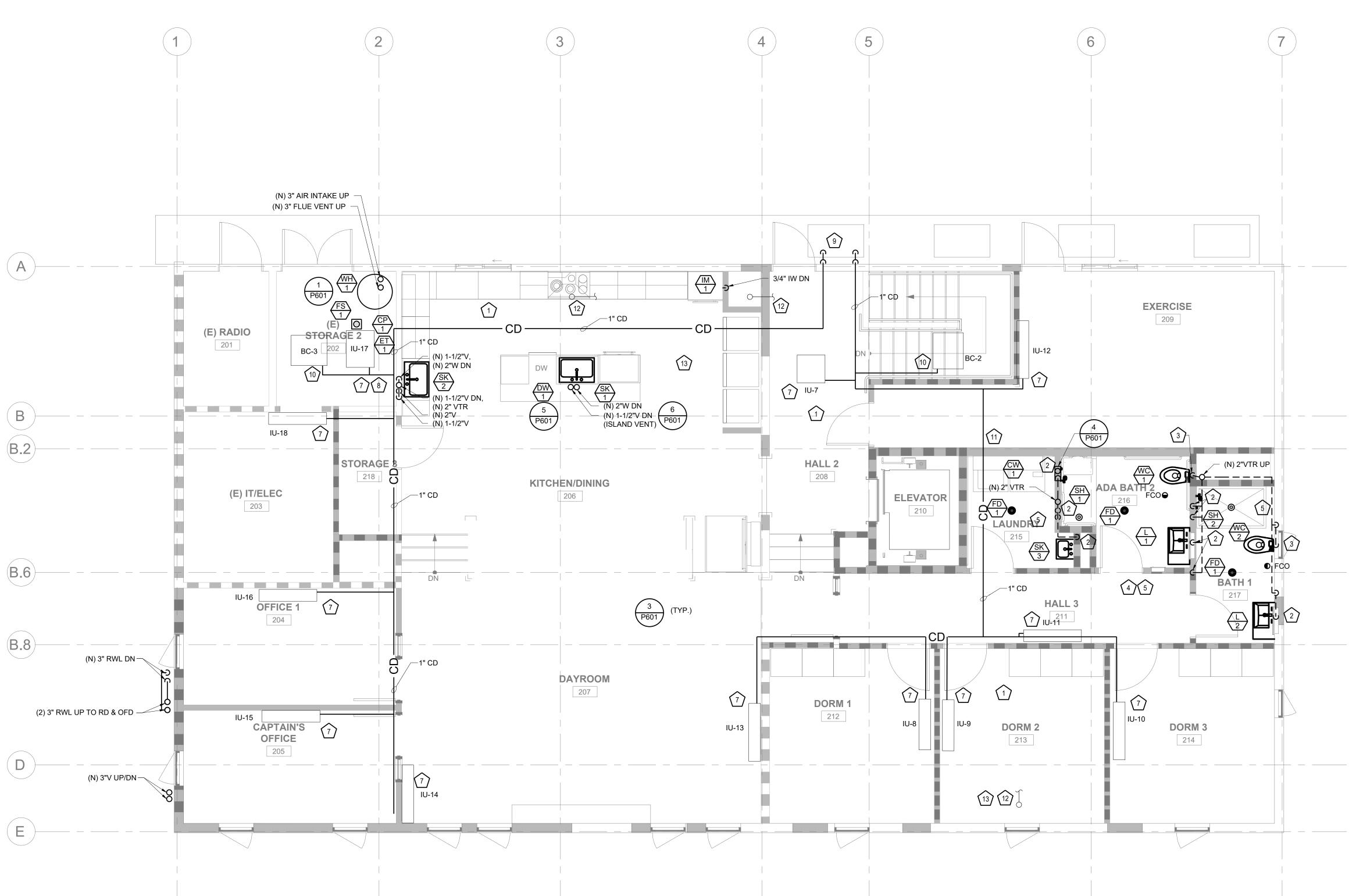
DESCRIPTION ISSUED FOR BUILDING PERMIT 04-01-22 8 PLAN CHECK COMMENTS 07-22-22 JOB NO.

DESCRIPTION

PLUMBING WASTE, RWL & VENT GROUND FLOOR PLAN



P202





- 1. REMOVE (E) FIXTURES AND PIPING COMPLETE.
- 2. (N) 2"W DN, (N) 1-1/2"V DN.
- 3. (N) 4"W DN, (N) 2"V UP.
- 4. ALL WASTE PIPES SERVING BATH 1, BATH 2 AND LAUNDRY RUN IN RAISED FLOOR SPACE.
- 5. CONNECT VENT PIPING AT CEILING.
- 6. NOT USED.
- PROVIDE CONDENSATE DRAIN. CONTRACTOR TO COORDINATE PIPE ROUTING WITH THE ARCHITECT. INSTALL CD PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
- 8. PROVIDE SECONDARY DRAIN PAN AND WATER DETECTION ALARM THAT SHUT-OFF THE UNIT WHEN ACTIVATED.
- 9. TERMINATE 1" CD TO AREA DRAIN WITH MIN. 1" AIR GAP FROM WELL OPENING.
- 10. PROVIDE DRAIN PAN AND CONNECT 3/4" CD TO MAIN AND PROVIDE WATER DETECTION ALARM THAT SHUT-OFF UNIT WHEN
- 11. PENETRATE SHEAR WALL WITHIN THE 12" WIDE PENETRATION WITH REFRIGERANT PIPING.
- 12. VIF LOCATION OF (E) STORMWATER PIPING INSIDE BUILDING. If (E) PIPE PENETRATE SHEAR WALL/ JOIST/ CONFLICTS W/ (N) MECH EQUIPMENT, REROUTE PIPE TO RUN INSIDE NON-SHEAR WALL, AND RECONNECT TO (E) SYSTEM AT LOCATIONS DOWNSTREAM OF ORIGINAL CONNECTION POINT. COOR. W/ STRUCTURAL FOR SHEAR WALL AND JOIST LOCATIONS.

CONTRA COSTA COUNTY

BUILDING INSPECTION DIVISION

PERMIT NUMBER

BICA22-004407

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By: ROSALINA ACUFF

BUILDING OFFICIAL.

13. PROTECT (E) STORM WATER DRAINAGE SYSTEM DURING DEMOLITION. VIF LOCATION OF (E) SYSTEM.



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SAN FRANCISCO, CA. 94117
CONTACT: KAREN MAR

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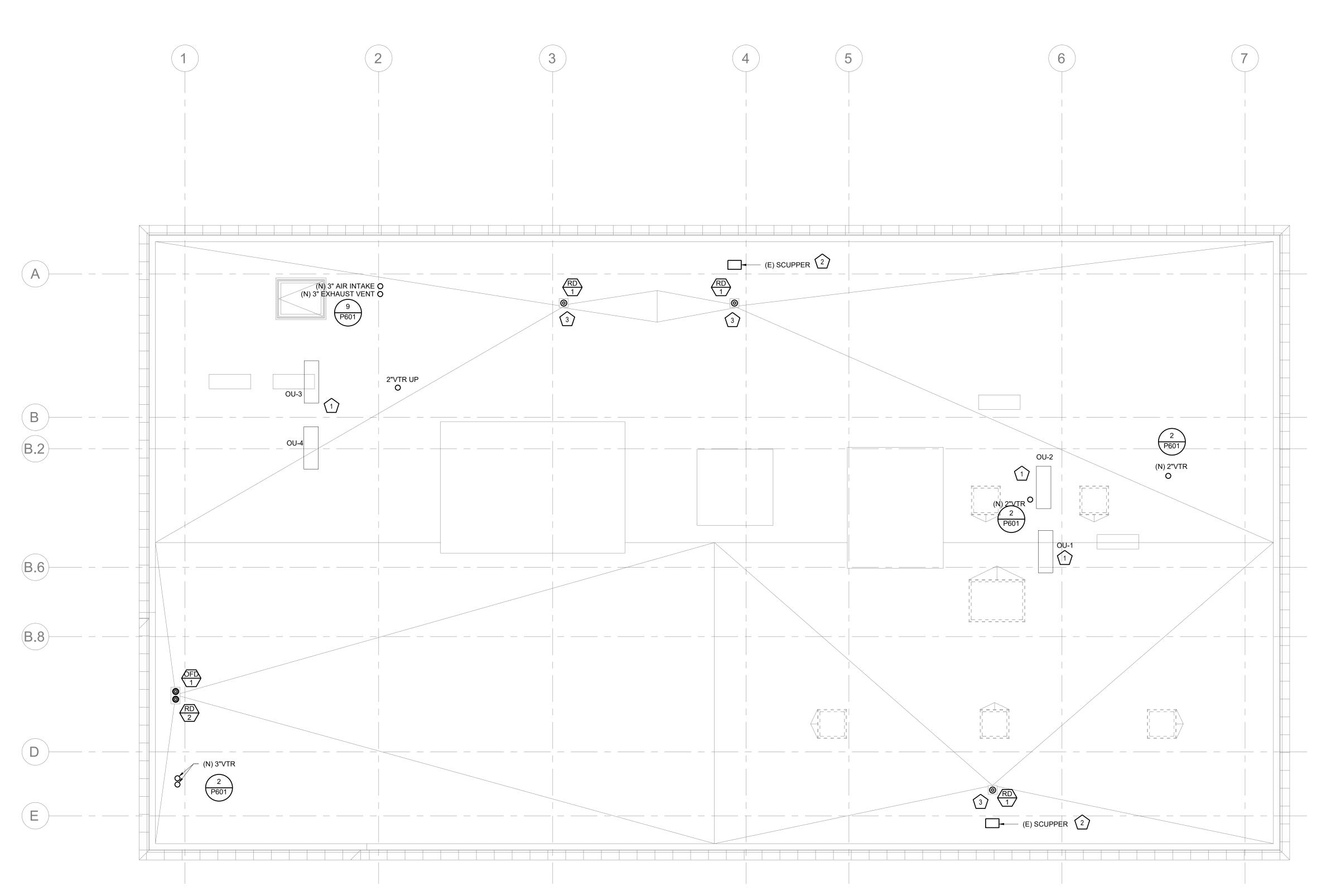
JOB NO.

DESCRIPTION

PLUMBING WASTE, RWL & VENT SECOND FLOOR PLAN

P203

1 SECOND FLOOR PLAN
P203 SCALE:1/4"=1'-0"





- DISCHARGE CONDENSATE ON ROOF AT SAFE LOCATIONS. ROOF SURFACE SLOPED FOR CONDENSATE TO DRAIN TO ROOF DRAINS.
- 2. PROTECT AND PRESERVE (E) SCUPPERS.
- INSTALL (N) RD-1 AT (E) ROOF DRAIN LOCATIONS. VIF EXACT LOCATIONS. RELOCATE ROOF DRAIN SLIGHTLY IF CONFLICTS W/ (N) MECH EQUIPMENT.
- 4. TOTAL ROOF AREA: 3870 SQFT RAINFALL RATE: 1.5 IN/HR

3/4 ROOF AREA DRAINS TO RD-1 AND (E) RWL INSIDE BUILDING. 3/4 ROOF AREA: 2903 SQFT (E) ROOF AREA: 3320 SQFT

1/4 ROOF AREA DRAINS TO RD-2 AND (N) 3" RWL. 1/4 ROOF AREA: 968 SQFT List Engineering
Mechanical Consultants

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Telephone (831) 373-4390 / Facsimile (831) 373-6522
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CIVIL:

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

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KENSINGTON FIRE
PROTECTION DISTRICT
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KENSINGTON, CA 94707
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T: (415) 378-9064

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

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

WALNUT CREEK, CA 94596 CONTACT: ERIC SWANSON

T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300

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CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.

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

2 HARRIS CT STE A7

MONTEREY, CA 93940

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

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

T: (415) 826-9626

NO. DESCRIPTION DATE

ISSUED FOR BUILDING PERMIT 04-01-22

PLAN CHECK COMMENTS 07-22-22

DESCRIPTION

JOB NO.

CONTRA COSTA COUNTY
BUILDING INSPECTION DIVISION
PERMIT NUMBER
BICA22-004407
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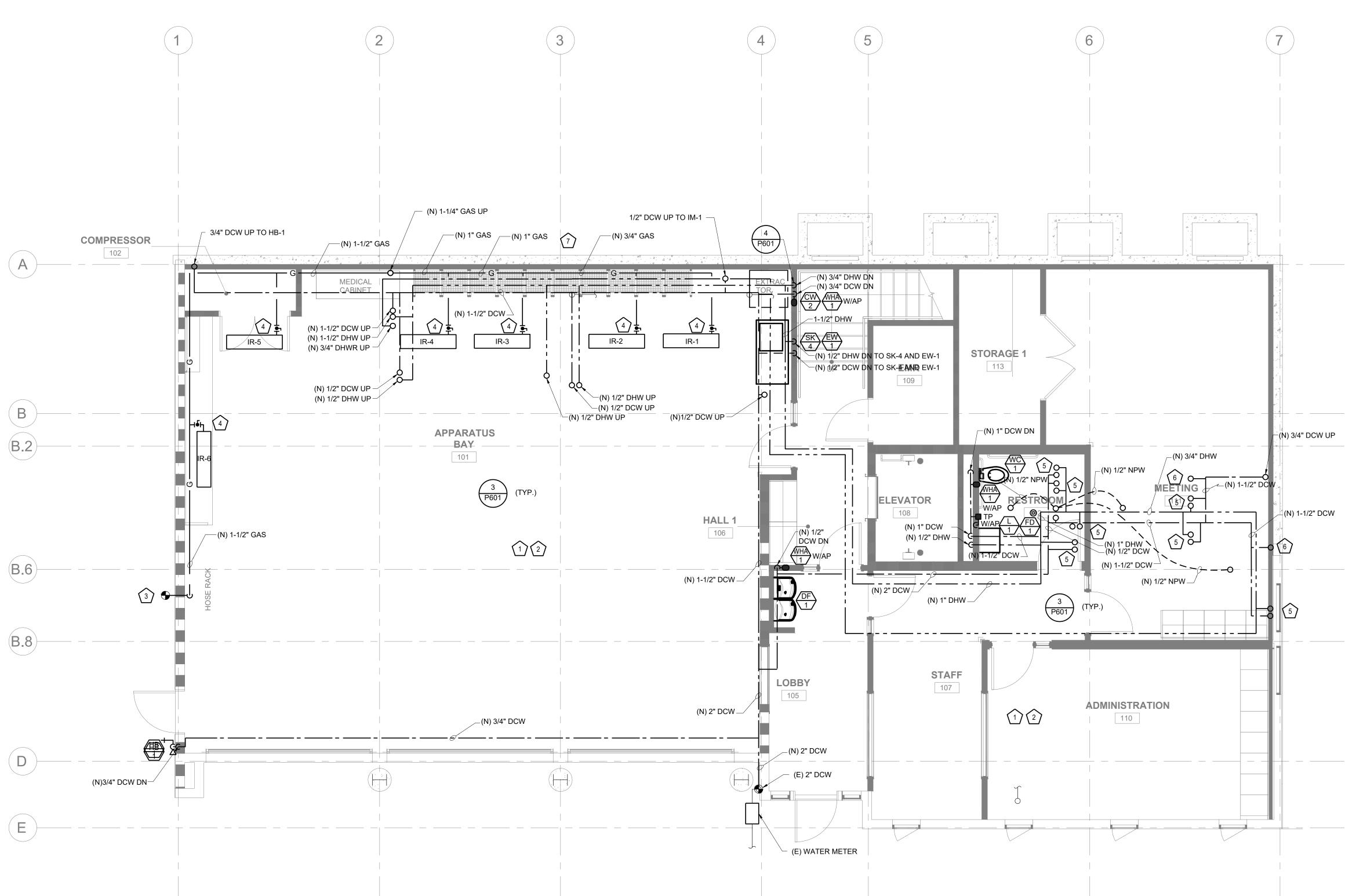
By: ROSALINA ACUFF

INSPECTORS AT ALL TIMES.

PLUMBING WASTE & VENT ROOF PLAN

P204

0 1 2 4 8 SCALE: 1/4" = 1'-0"



1 GROUND FLOOR PLAN
P205 SCALE:1/4"=1'-0"



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By: ROSALINA ACUFF

DESCRIPTION

PLUMBING DCW, DHW & GAS GROUND FLOOR PLAN



P205

STAMP

3. POC TO (E) GAS METER. PROVIDE (N) 1-1/2" GAS WITH SEISMIC VALVE AND FLEXIBLE CONNECTION. CONTRACTOR TO COORDINATE WITH PG&E.

1. REMOVE (E) FIXTURES AND PIPING COMPLETE ABOVE FLOOR.

4. CONNECT 1/2" GAS TO IR. PROVIDE SOV, FLEX CONNECTION AND DIRT TRAP.

5. (N) 1/2"DCW UP, (N) 1/2"DHW UP

2. ALL PIPING AT CEILING.

6. (N) 1" DCW UP.

INSIDE (E) SOFFIT.

7. RUN ALL PIPES AT BACK OF ASSEMBLY BAY INSIDE (N) WALL OR

PROJECT ADDRESS 217 ARLINGTON AVE.

PROJECT TEAM

CLIENT:

MEP:

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

KENSINGTON, CA, 94707

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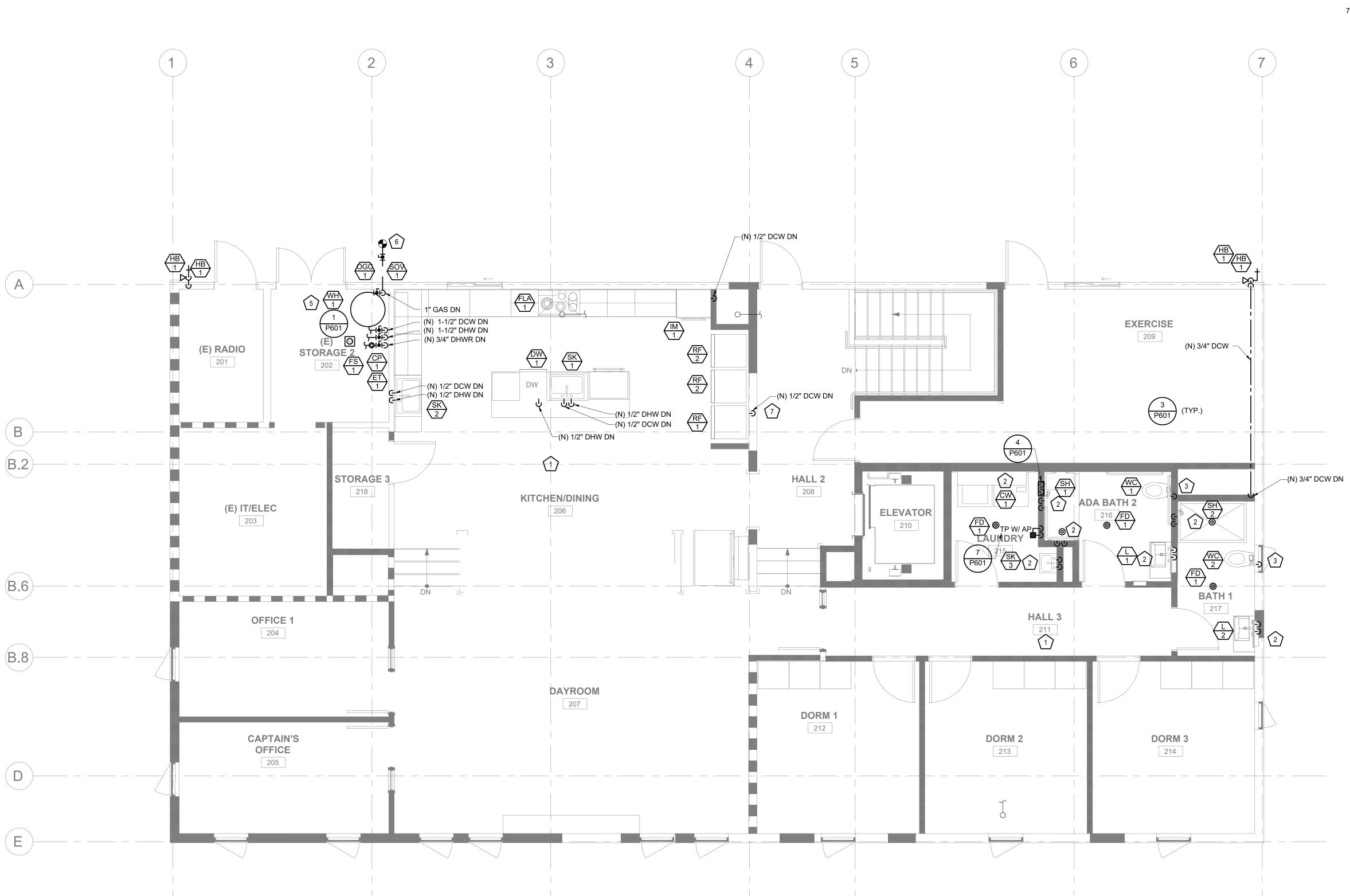
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DESCRIPTION

04-01-22

07-22-22

JOB NO.





- 1. REMOVE (E) FIXTURES AND PIPING COMPLETE.
- 2. (N) 1/2"DCW DN, (N) 1/2"DHW DN
- 3. (N) 1" DCW DN
- 4. NOT USED.
- 5. PROVIDE 3/4" GAS TO WH-1 WITH SOV, FLEX CONNECTION, AND DIRT TRAP.
- 6. POC TO (E) GRILL OUTDOOR. PROVIDE AUTOMATIC SOV. SEE SCHEDULE.
- 7. PROVIDE DCW CONNECTION TO EACH RF-1 AND RF-2.



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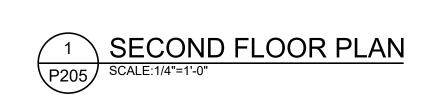
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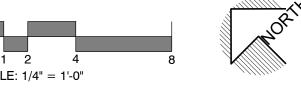
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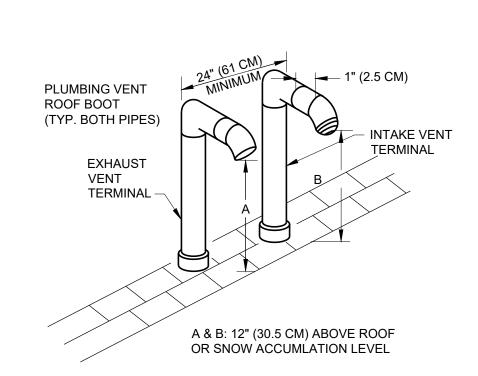
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> PLUMBING DCW, DHW & GAS SECOND FLOOR PLAN

P206

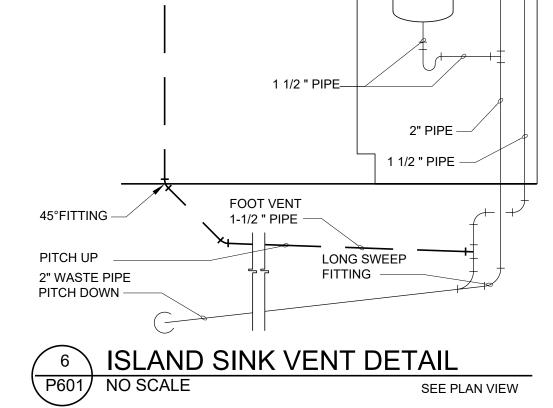






NO SCALE

VERTICAL VENT TERMINATION



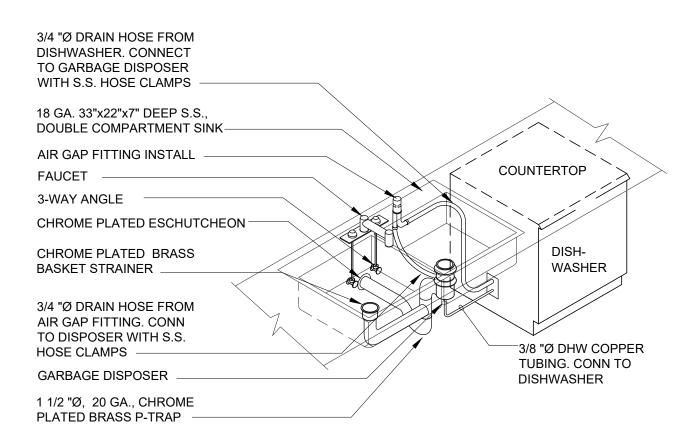
BACKSPLASH

COUNTERTOP

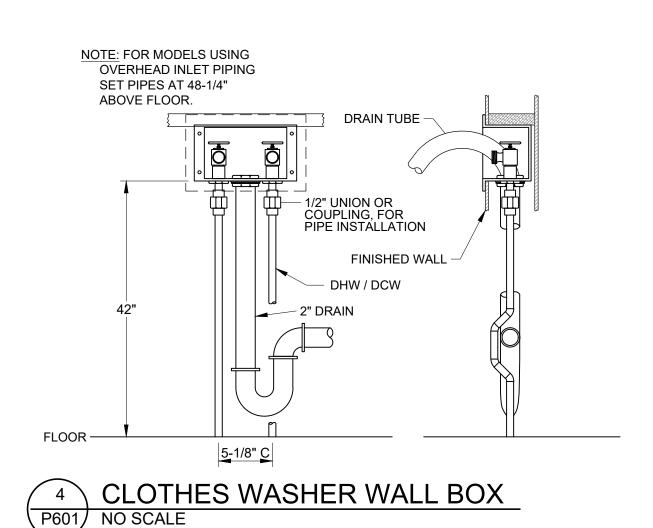
1-1/2" VENT

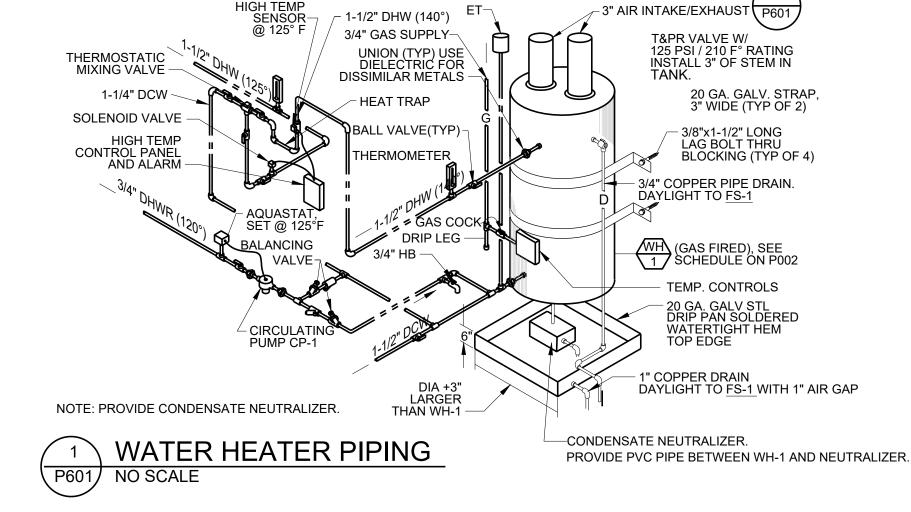
90°ELBOW -

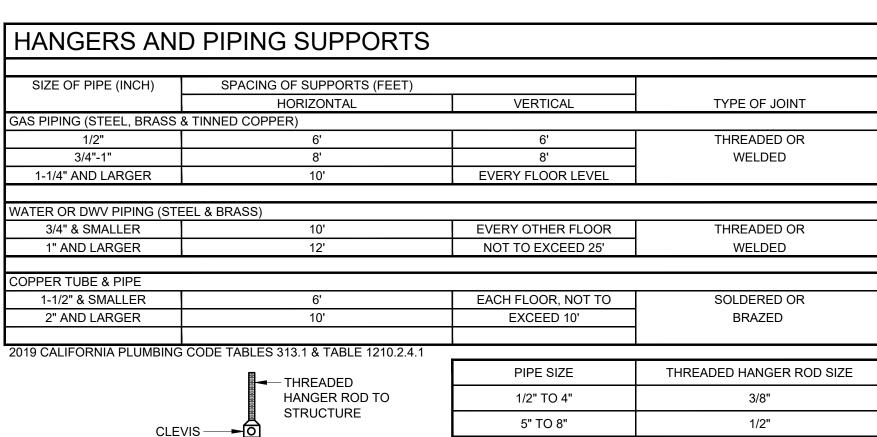
45°FITTING —

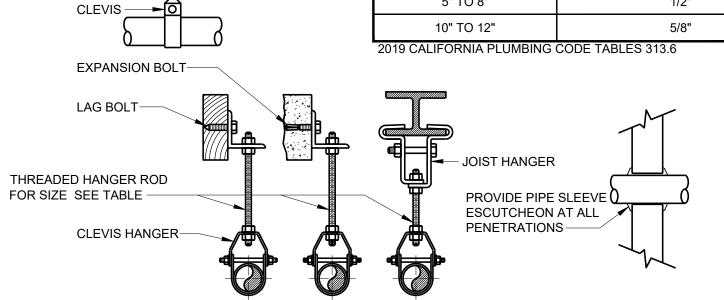






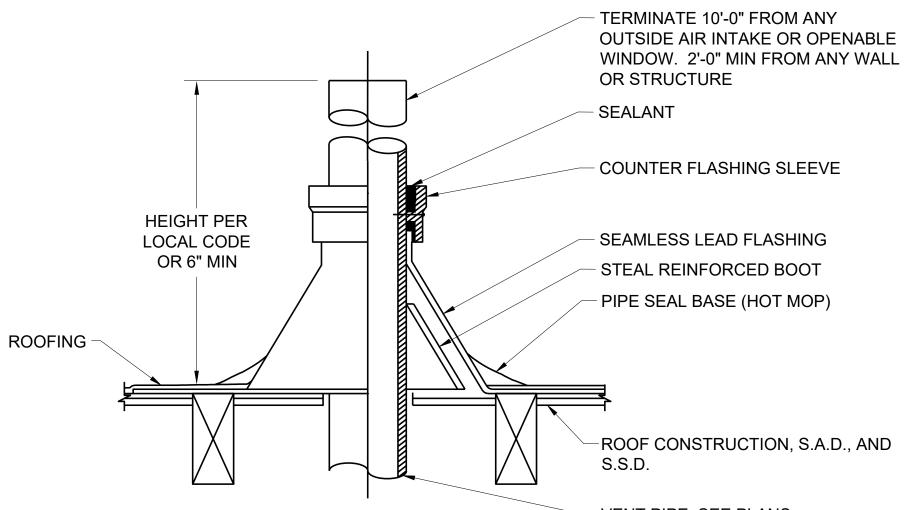






INSTALL LISTED PIPE HANGER SUPPORT COMPONENTS PER MFR. RECOMMENDATIONS. VERIFY ALL ATTACHMENT TO STRUCTURE WITH STRUCTURAL ENGINEER PRIOR TO INSTALLATION. PIPE HANGERS AND SUPPORTS, MATERIALS, DESIGN AND MANUFACTURE SHALL CONFORM TO ANSI/MSS SP-58.







By: ROSALINA ACUFF

CONTRA COSTA COUNTY

BICA22-004407

ILDING INSPECTION DIVISION PERMIT NUMBER

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KENSINGTON FIRE

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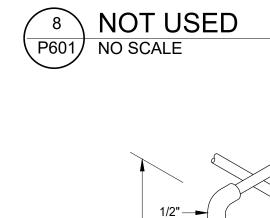
CIVIL:

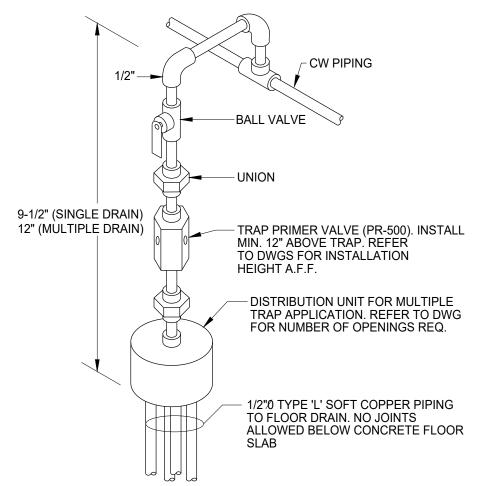
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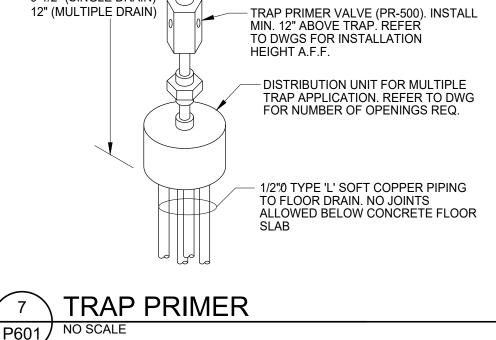
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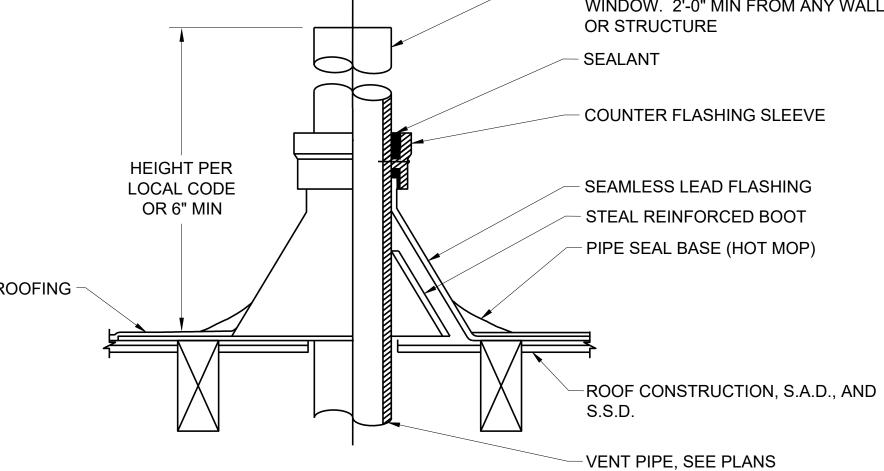
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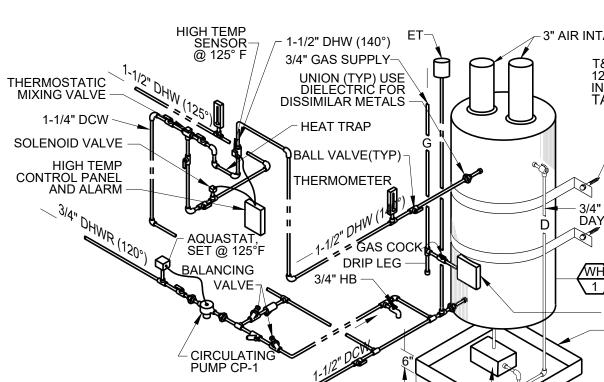
P601











VENT THROUGH ROOF

NO SCALE

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

GENERAL FIRE PROTECTION NOTES

- 1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA MECHANICAL PLUMBING, BUILDING AND FIRE CODES, NATIONAL FIRE PROTECTION CODES, AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING THE 2019 CALIFORNIA ENERGY CONSERVATION STANDARDS OF TITLE 24.
- 2. REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLANS AND LOCATIONS OF CONCEALED SPACES, AND OTHER ARCHITECTURAL FEATURES THAT REQUIRE FIRE SPRINKLERS AS PER NFPA #13.
- 3. REFER TO ELECTRICAL DRAWINGS FOR TYPE AND LOCATION OF LIGHT FIXTURES.
- 4. REFER TO THE MECHANICAL DRAWINGS FOR DUCTWORK AND GRILLE LOCATIONS.
- 5. REFER TO STRUCTURAL DRAWING FOR LOCATIONS OF BEAMS, SHEAR WALLS AND MEMBERS. ALL DRILLING OF STRUCTURAL BEAMS AND MEMBERS TO BE COORDINATED WITH THE STRUCTURAL ENGINEER. ALL HOLES SHALL BE MINIMUM SIZE AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO DRILLING.
- 6. PROVIDE HIGH TEMPERATURE HEADS AS REQUIRED BY NFPA #13 AT OR NEAR HEATING EQUIPMENT (I.E., BOILER AND FURNACES, FLUES IN MECHANICAL ROOMS, SKYLIGHTS, ETC.).
- 7. EXPOSED PIPING ALLOWED ONLY IN PARKING GARAGE.
- 8. SPRINKLERS EXPOSED TO WEATHER SHALL BE OF THE WAX COATED OR CORROSION RESISTANT TYPE.
- 9. ESCUTCHEONS IN FINISHED AREAS.
- 10. DESIGN AND INSTALLATION SHALL CONFORM WITH NFPA PAMPHLETS.
- 11. ALL MATERIALS AND DEVICES TO BE UL LISTED.
- 12. SPRINKLER CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CATALOG DATA FOR ALL UL AND FM APPROVED COMPONENTS AND DEVICES TO THE CITY OF KENSINGTON FIRE MARSHAL'S OFFICE FOR APPROVAL AND OBTAIN PERMITS PRIOR TO INSTALLATION.
- 13. SPRINKLER CONTRACTOR SHALL SUBMIT SPRINKLER HEAD LAYOUT ON ARCHITECTURAL REFLECTED CEILING PLANS FOR ARCHITECTURAL APPROVAL PRIOR TO ANY PIPING DESIGN AND/OR CALCULATIONS.
- 14. NFPA CLASSIFICATION:

PARKING GARAGE/ MACHINE SHOP: ORDINARY HAZARD, GROUP ONE.

DORM/OFFICE: LIGHT HAZARD

15. FIRE HYDRANT FLOW TEST DATA:

DATE: 10/21/2021

HYDRANT: 6CM56

LOCATION: EAST SIDE OF ARLINGTON AVENUE, 385 FT SOUTH OF OBERLIN AVENUE

STATIC PRESSURE: 123 PSI

RESIDUAL PRESSURE: 99 PSI

FLOW: 1500 GPM

PREDICTED FLOW AT 20 PSI: XXXX GPM

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

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

→ TO LEVEL 1 SPINKLER

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION**

BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

10:13 am, Aug 05, 2022

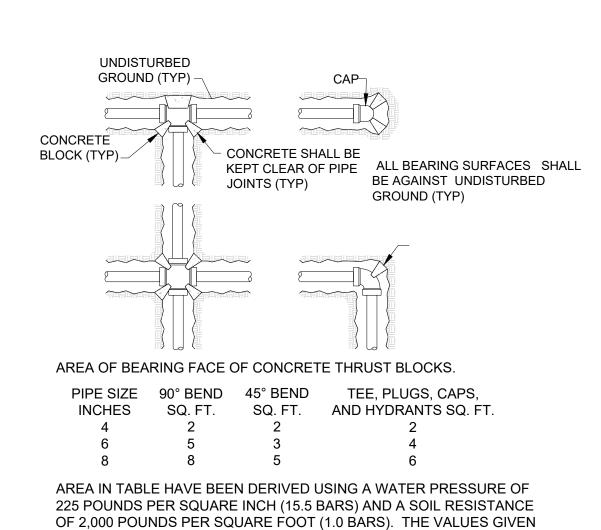
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FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN

By: ROSALINA ACUFF

APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE AW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

INSPECTORS AT ALL TIMES.





IN THIS TABLE INCLUDE A DESIGN SAFETY FACTOR OF 1.5.



- CENTRAL BFV

GR. BUTTERFLY VA.

W/ TAMPER SW.

CENTRAL RISER

1. DRAIN & TEST

2. FLOW SWITCH

DRAIN LINE

3. PRESSURE GAGE 4. SIGNS ON BODY

MANIFOLD W/:



FP001

List Engineering

2 Harris Court Suite A7, Monterey, CA 93940

www.listengineering.com © LEC 2021

217 ARLINGTON AVE.

KENSINGTON FIRE

PROTECTION DISTRICT

KENSINGTON, CA 94707

CONTACT: BILL HANSELL

930 COLE STREET STE 101

CONTACT: KAREN MAR

SAN CARLOS, CA 94070

CONTACT: MATT FRANTZ

WALNUT CREEK, CA 94596

1956 WEBSTER ST #300 OAKLAND, CA 94612

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

SAN FRANCISCO, CA 94103 CONTACT: PETER MCDONALD

850 S. VAN NESS AVE, #26

SAN FRANCISCO, CA 94110

CONTACT: HENRY TOORYANI

CONTACT: CATHERINE ELLIS

CONTACT: ERIC SWANSON

SAN FRANCISCO, CA. 94117

1390 EL CAMINO REAL STE 100

1646 N. CALIFORNIA BLVD STE 400

217 ARLINGTON AVE

T: (415) 378-9064

T. (415) 522-0600

T: (650) 394-8869

BKF ENGINEERS

T: (925) 940-2200

HALEY ALDRICH

T: (510) 879-4544

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

T: (415) 255-9140

T: (415) 826-9626

DESCRIPTION

∧ ISSUED FOR BUILDING PERMIT

8 PLAN CHECK COMMENTS

JOB NO.

DESCRIPTION

FIRE PROTECTION TITLE SHEET

DATE

04-01-22

07-22-22

ESTIMATOR: MICROESTIMATION INC.

STRUCTURAL: ZFA STRUCTURAL ENGINEERS

ARCHITECT: MARJANG ARCHITECTURE

KENSINGTON, CA, 94707

Telephone (831) 373-4390 / Facsimile (831) 373-6522

Mechanical Consultants

Job No. 21025.00

STAMP

PROJECT ADDRESS

PROJECT TEAM

CLIENT:

CIVIL:

MEP:

GEOTECH:



- 1. COORDINATE LOCATION OF THE BACKFLOW, FDC AND PIV WITH
- 2. PROVIDE FIRE SPRINKLERS IN CEILING SPACE.



STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

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

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

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

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

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

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

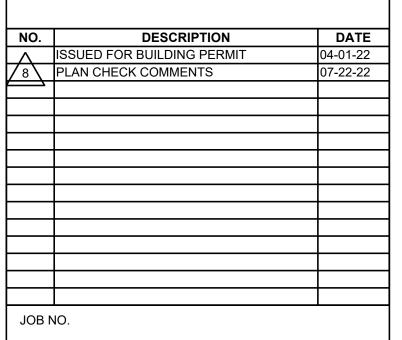
> LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE T: (831) 373-4390

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

CONTACT: PETER MCDONALD T: (415) 255-9140

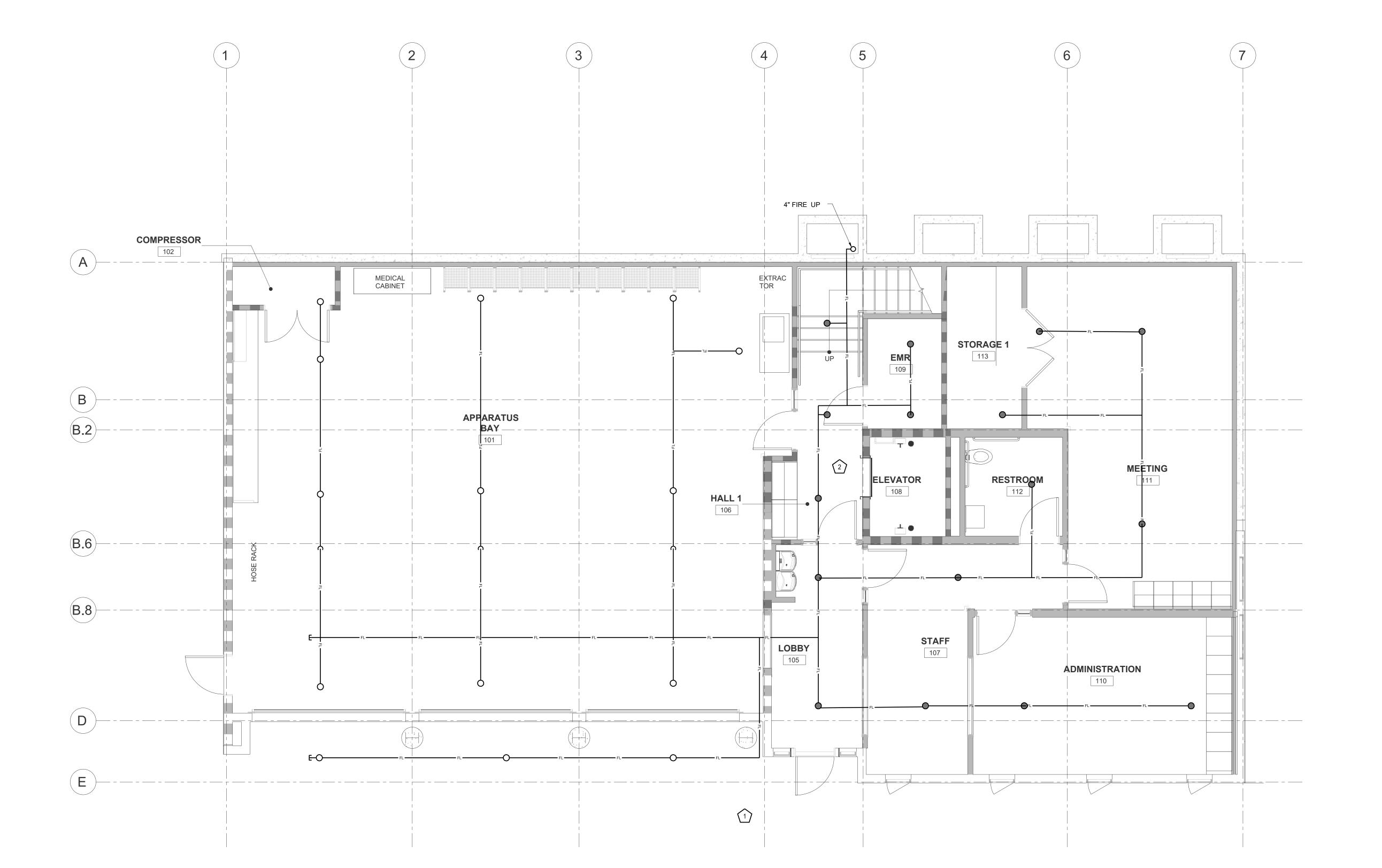
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26

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



DESCRIPTION FIRE PROTECTION GROUND FLOOR PLAN





CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION
PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 **REVIEWED**

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL.

By: ROSALINA ACUFF

1 GROUND FLOOR PLAN
FP201 SCALE:1/4"=1'-0"



 PROVIDE FIRE SPRINKLERS IN FLOOR CAVITY AND CEILING SPACE.



STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

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

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

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

T: (650) 394-8869 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

MONTEREY, CA 93940 CONTACT: RON BLUE T: (831) 373-4390 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

LIST ENGINEERING CO. 2 HARRIS CT STE A7

351 8TH STREET

SAN FRANCISCO, CA 94103

CONTACT: BETER MODONALD

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

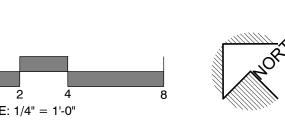
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ISSUED FOR BUILDING PERMIT 04-01-22

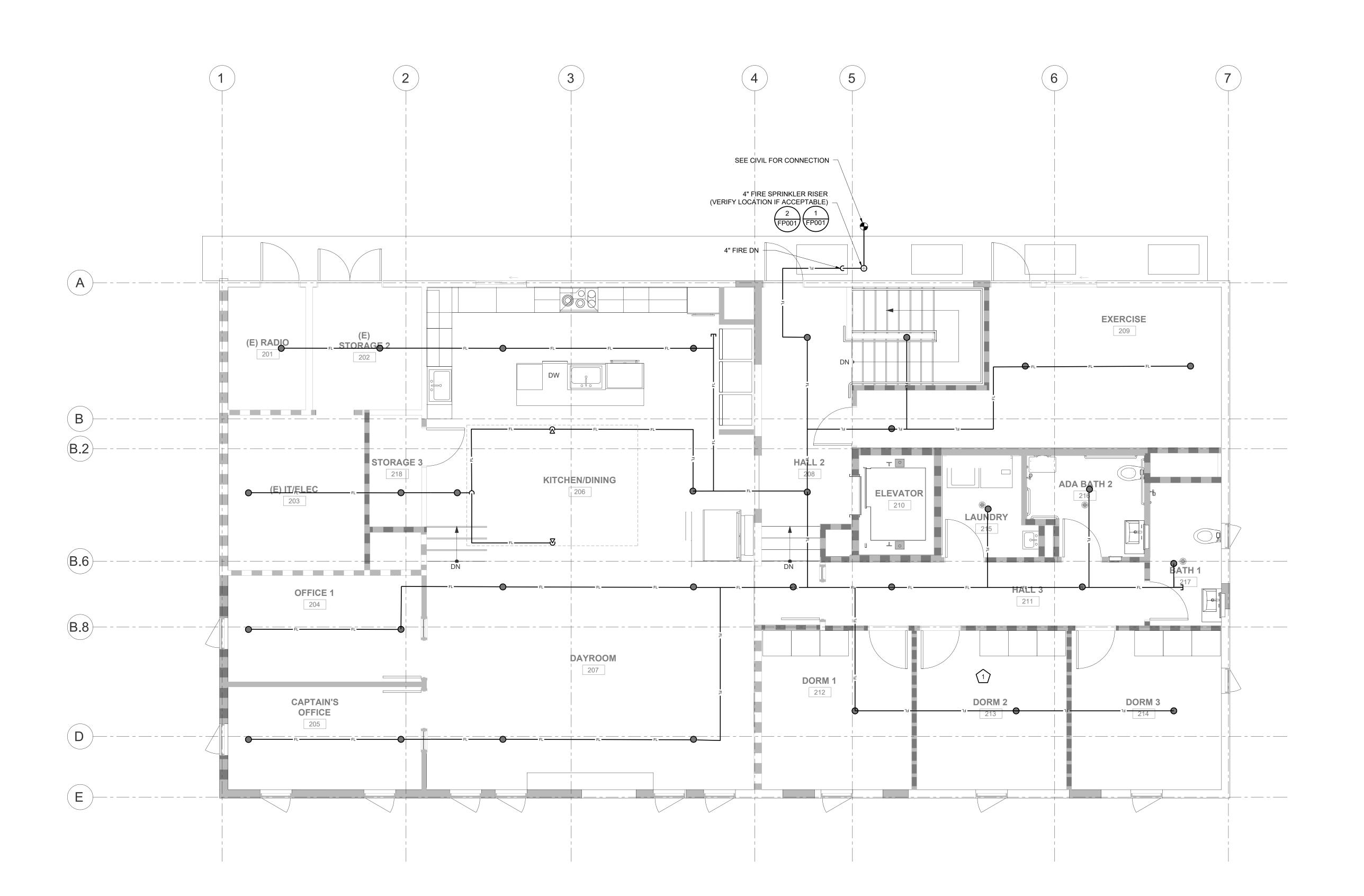
8 PLAN CHECK COMMENTS 07-22-22

JOB NO.

DESCRIPTION

FIRE PROTECTION SECOND FLOOR PLAN





CONTRA COSTA COUNTY
BUILDING INSPECTION DIVISION

PERMIT NUMBER
BICA22-004407

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

10:13 am, Aug 05, 2022

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By: ROSALINA ACUFF

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

FP202

- THE EXISTING CONDITIONS INDICATED IN THIS DRAWING SET WERE DEVELOPED FROM VARIOUS SOURCES WHICH WERE NOT ALL FIELD VERIFIED AND NOT ALL CONDITIONS ARE SHOWN. LOCATIONS, ROUTING, ELEVATIONS, SIZES, ETC, ARE SHOWN SCHEMATICALLY. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- DRAWINGS INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. FINAL LOCATIONS SHALL BE ADJUSTED TO MEET FIELD CONDITIONS
- THE CONTRACTOR SHALL VISIT THE JOBSITE AND VERIFY ALL EXISTING CONDITIONS BEFORE CONSTRUCTION AND SHALL INCLUDE IN THE BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS, SPECIFICATIONS AND ALL APPLICABLE CODES.
- * DEMO & GENERAL CONDITIONS
- CONTRACTOR SHALL REMOVE ALL LEFT OVER CONDUIT, WIRE, SCRAPS, ETC. AND LEAVE PREMISES
- CLEAN AND FREE OF TRASH OR DEBRIS RESULTING FROM THEIR WORK. CONTRACTOR SHALL DISCONNECT AND REMOVE ALL DEMOLISHED DEVICES AND FIXTURES AS SHOWN ON DEMOLITION PLAN. TURN OVER TO OWNER EXISTING DEVICES AND FIXTURES THAT ARE NOT REUSED. PROPERLY DISCARD IF THE OWNER DOES NOT WANT.
- RECONNECT EXISTING DEVICES WHOSE CIRCUITS HAVE BEEN INTERRUPTED BY DEMOLITION BY PROVIDING NEW CONNECTIONS TO ANOTHER EXISTING DEVICE OR PANEL. VERIFY CIRCUIT LOADING ON EXISTING CIRCUIT
- WHEN A DEVICE IS REMOVED FROM AN EXISTING WALL WHICH WILL REMAIN, PATCH WALL TO MATCH EXISTING OR NEW FINISH.
- MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE CENTERLINE OF DEVICES, COORDINATE WITH ARCHITECTURAL DRAWINGS.
- CLEAN EXISTING LIGHTING FIXTURES WITHIN THE PROJECT AREA AS PART OF THIS PROJECT. INCLUDE NEW LAMPS WHERE COLOR INCONSISTENCIES EXIST, OR WHERE LAMPS ARE BURNED OUT/NOT INSTALLED.
- ** SITE & SITE LIGHTING
- 10 THERE SHALL BE A MINIMUM OF 24" OF COVER OVER UNDERGROUND CONDUITS. UON. INCLUDE A MINIMUM 12" SEPARATION BETWEEN ALL LOW VOLTAGE AND LINE VOLTAGE RACEWAYS. INSTALL A WARNING/MARKER TAPE 12 INCHES OVER THE CONDUIT.
- 11 PROVIDE CONCRETE BASES FOR ALL SITE POLE MOUNTED FIXTURES, BOLLARDS, AND SIGN LIGHTING, UON.
- 12 MINIMUM SIZE CONDUIT USED ON THE SITE SHALL BE 1.0"C, WITH MINIMUM #10 CONDUCTORS, UON. 13 CONTRACTOR SHALL SIZE ALL INDOOR AND EXTERIOR JUNCTION/PULLBOXES PER THE MINIMUM CODE REQUIREMENTS OF CEC ARTICLE 314, WHEN NOT INDICATED ON THE PLANS.
- ** EQUIPMENT, CONDUIT, WIRE, BOXES & DEVICES
- 14 PROVIDE INDIVIDUAL GFCI RECEPTACLES AT EACH LOCATION SHOWN, DO NOT USE FEED-THRU GFCI
- TYPE RECEPTACLES. LOCATE RECEPTACLE AT END OF A BRANCH CIRCUIT WIRE 15 WHERE RECEPTACLES ARE LOCATED OUTSIDE OR IN WET/DAMP LOCATIONS PROVIDE WEATHER
- RESISTANT TYPE, UON.
- 16 CONDUIT SIZE SHALL BE 0.75 MINIMUM, U.O.N.
- 17 ALL CONDUCTORS ON THIS PROJECT SHALL BE COPPER. 18 FEEDER AND BRANCH CIRCUIT HOMERUNS SHALL BE INSTALLED IN CONDUIT. MC TYPE CABLE
- SHALL NOT BE USED FOR ANY HOMERUNS ON THIS PROJECT. 19 INSTALL AND CONNECT A CODE SIZED INSULATED OR BARE COPPER GROUNDING CONDUCTOR IN
- ALL BRANCH CIRCUITS AND FEEDERS. 20 ALL DEVICES SHALL HAVE TYPE ON TAPE LABELS INDICATING THE PANELBOARD AND CIRCUIT
- SERVING EACH DEVICE, TYPICAL OF ALL DEVICES INCLUDED ON THIS PROJECT. 21 PROVIDE INSULATING BUSHINGS OR INSULATED THROAT ON THE ENDS OF ALL EMPTY CONDUIT
- SLEEVES AND INSTALL A POLYETHYLENE PULLING ROPE. 22 WHERE CIRCUITS ARE SHOWN ON THE DRAWINGS WITH HOMERUNS THAT SHARE NEUTRAL CONDUCTORS THE CONTRACTOR SHALL PROVIDE HANDLE TIES BETWEEN ALL BRANCH CIRCUIT
- BREAKER LOADS WHICH SHARE A NEUTRAL 23 PROVIDE DEDICATED CONDUIT/PATHWAYS FOR ALL 0-10v LIGHTING CONTROL SIGNALS SEPARATE
- FROM ALL LINE VOLTAGE RACEWAY. 24 ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHER-PROTECTED AND LISTED FOR
- EXTERIOR USE. 25 PROVIDE TYPE WRITTEN PANEL SCHEDULES UPDATED TO INCLUDE ALL FIELD MODIFICATIONS AND
- SCOPE ITEMS ASSOCIATED WITH THIS PROJECT. 26 PROVIDE ENGRAVED NAMEPLATES FOR ELECTRICAL BOARDS, DISCONNECTS, AND SWITCHGEAR.
- *** FIRE ALARM & FIRE RATED ITEMS
- 27 ALL CIRCUIT BREAKERS SERVING THE FIRE ALARM CONTROL PANEL AND FIRE ALARM SYSTEM
- COMPONENTS SHALL HAVE LOCKABLE HANDLES, AND PAINTED RED FOR EASY IDENTIFICATION. 28 ALL CONDUIT. OUTLET BOXES. AND RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS OR FLOOR ASSEMBLIES SHALL BE A UL LISTED ASSEMBLY THAT PROTECTS THE RATED ASSEMBLY. INCLUDE FIRE RATED DEVICE BOX ASSEMBLIES WHEN REQUIRED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED WALLS AND FLOORS AS APPLICABLE.
- 29 PROVIDE A REMOTE TEST/RESET STATION FOR EACH SMOKE DUCT DETECTOR NOT ACCESSIBLE FROM THE ROOF OR CEILING SPACE. LOCATE STATION ON THE WALLS OR LOW CEILING BELOW THE DUCT DETECTOR AND LABEL WITH THE HVAC UNITS IDENTIFICATION NUMBER. INCLUDE AN ADDRESSABLE FA CONTROL MODULE FOR MONITORING.
- ** CODE REQUIREMENTS & ELECTRICAL CLEARANCES
- 30 ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL
- CODE (CEC). 31 CONTRACTOR IS RESPONSIBLE TO SUBMIT REVISED LAYOUT OF EQUIPMENT IN ELECTRICAL SPACES FOR WRITTEN APPROVAL BY ENGINEER IF PROPOSED INSTALLATION LAYOUT DIFFERS FROM CONSTRUCTION DOCUMENTS. SUBMISSION MUST BE APPROVED PRIOR TO RELEASE OF ORDER FOR EQUIPMENT AND PRIOR TO INSTALLATION.
- REQUIRED ELECTRICAL EQUIPMENT WORKING SPACE DEPTH SHALL NOT BE LESS THAN THAT INDICATED IN CEC TABLE 110.26. THE WIDTH OF THE WORKING SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT SHALL BE THE WIDTH OF THE EQUIPMENT OR 30", WHICHEVER IS GREATER. THIS REQUIREMENT ALSO APPLIES TO DISCONNECT SWITCHES.
- 33 ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES AND BEAR THEIR LABEL, OR ETL.
- CONTRACTOR SHALL PROVIDE ARC FLASH LABELS FOR ALL ELECTRICAL EQUIPMENT WITHIN THE SCOPE OF THIS PROJECT. THESE LABELS SHALL BE GENERATED BY THE CONTRACTOR FROM THE POWER SYSTEM STUDY AND SUBMITTED WITH THE POWER SYSTEM STUDY SUBMITTAL FOR ENGINEER REVIEW AND APPROVAL. THIS INCLUDES ALL FIELD MARKING OF KAIC VALUES ON EXISTING OR PER THE CEC.
- 35 WIRING SPACE IN PANELBOARDS, DISTRIBUTION PANELS AND SWITCHBOARDS SHALL BE DEDICATED TO CONDUCTORS TERMINATED IN THAT ENCLOSURE. PANELBOARDS, DISTRIBUTION PANELS AND SWITCHBOARDS SHALL NOT BE USED AS PULL AND/OR SPLICE BOXES FOR CONDUCTORS THAT TERMINATE IN OTHER ENCLOSURES. DO NOT SPLICE CONDUCTORS IN EQUIPMENT.
- 36 NEW CIRCUIT BREAKERS INSTALLED IN EXISTING EQUIPMENT SHALL BE PROVIDED TO MATCH THE KAIC RATINGS AND THE MANUFACTURER OF THE EXISTING.
- PROVIDE CLEAR SIGNAGE ON ALL ELECTRICAL EQUIPMENT PER CEC TO INDICATE THE ARC FLASH HAZARD WARNING, AND THE MAXIMUM AVAILABLE FAULT CURRENT. WHEN MODIFICATIONS OCCUR THAT AFFECT THE MAXIMUM FAULT CURRENT THE CONTRACTOR SHALL RECALCULATE AS NECESSARY AND REMARK THE EQUIPMENT.
- ** COORDINATION

PROJECT GENERAL NOTES

- 38 REFER TO MECHANICAL & PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT. PROVIDE ALL LINE VOLTAGE AND LOW VOLTAGE WIRING, CONTROL WIRING, INTERLOCK CABLING, AND CONDUIT REQUIRED.
- 39 PROVIDE A DISCONNECTING MEANS AT ALL MOTORS, WHETHER INDICATED ON THE PLANS OR NOT 40 PROVIDE FUSES IN DISCONNECTS FOR MECHANICAL EQUIPMENT AS COORDINATED WITH THE UNITS NAMEPLATE AND MANUFACTURERS INSTALLATION INSTRUCTIONS. FUSES SHALL BE CURRENT
- 1 PROVIDE A GFCI TYPE DEVICE WITH WEATHER PROOF WHILE IN USE COVER WITHIN 25' OF ALL EXTERIOR HVAC/PLUMBING EQUIPMENT.
- 42 WORK PERFORMED FROM THESE DRAWINGS SHALL ALSO COMPLY WITH THE PROJECT SPECIFICATIONS. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL TAKE PRECEDENT.
- 43 $\,$ CONTRACTOR SHALL CONFIRM THAT ALL LIGHTING FIXTURES SPECIFIED, AND THE CEILING TYPES. FIXTURE TRIMS, AND FRAMES ARE ALL COMPATIBLE PRIOR TO THE CONTRACTOR LIGHTING FIXTURE SUBMITTAL.
- 44 BUILDING EXPANSION JOINTS ARE NOT INDICATED ON THE ELECTRICAL DRAWINGS (UON) AND SHALI BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS. INCLUDE FLEXIBLE EXPANSION WIRING METHODS AT EXPANSION JOINTS TO MEET THE DEFLECTION AND EXPANSION REQUIREMENTS OF THE BUILDING.
- * MISCELLANEOUS
- 45 IN ADDITION TO THE WORK SHOWN ON THESE PLANS. THE CONTRACTOR SHALL PROVIDE ALL CONDUIT, BACK BOXES, AND RACEWAY REQUIRED FOR THE FIRE ALARM SYSTEM, SECURITY SYSTEM, AV SYSTEM, AND TELECOM SYSTEM ON THIS PROJECT. PLEASE REFER THE LOW VOLTAGE SYSTEM DRAWINGS AND SPECIFICATIONS FOR DEVICE LOCATIONS, ADDITIONAL INFORMATION, AND COMPLETE SCOPE OF WORK.
- 46 PROVIDE ALL LABOR, EXIT SIGNS, AND MATERIAL COSTS FOR THE COMPLETE INSTALLATION OF 5 ADDITIONAL LED EDGE LIT EXIT SIGNS. THE INSTALLATION LOCATIONS ARE TO BE DETERMINED DURING THE FINAL PROJECT INSPECTION WITH THE AHJ. TURN OVER ANY UNUSED EXIT SIGNS TO THE OWNER'S ATTIC STOCK FOR FUTURE USE.
- 47 PER CEC ARTICLE 517 PROVIDE SEPARATE ELECTRICAL RACEWAYS.

THE ARCHITECTURAL FINISHES IN THAT AREA.

- 48 CONTRACTOR SHALL PREPARE RED LINED AS-BUILT DOCUMENTS REPRESENTING THE ACTUAL FIELD ROUTINGS AND INSTALLATION LOCATIONS FOR ALL ITEMS ON THIS PROJECT.
- 49 SURFACE MOUNTED CONDUIT WHERE APPROVED, AND INSTALLED, SHALL BE PAINTED TO MATCH
- 50 CONDUIT ROUTING (WHERE SHOWN) IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FILED CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES. 51 DRAWINGS INDICATE JUNCTION BOXES WITH HOMERUNS ON THE PLANS, BUT THE CONTRACTOR
- SHALL PROVIDE ALL INTERMEDIATE RACEWAY WORK AND CONDUCTORS/CABLING BETWEEN THE DEVICES, FIXTURES, AND JUNCTION BOXES AS COORDINATED WITH ALL FIELD CONDITIONS AND
- 52 CONTRACTOR SHALL PREPARE A DETAILED CONDUIT ROUTING DIAGRAM, INCLUDING MAJOR CONDUIT RUNS FROM PANELS OF ORIGIN OUT TO ALL BRANCH CIRCUIT CONNECTIONS (DOWN TO THE DEVICE LEVEL), LIGHT FIXTURE CONNECTIONS, CONTROLS, ETC. AS A SHOP DRAWING FOR REVIEW AND APPROVAL BY THE ENGINEER AND OWNER. THIS SHALL BE SUBMITTED, REVIEWED. AND APPROVED PRIOR TO ANY ROUGH-IN WORK IN THE FIELD.
- 53 THE DRAWINGS DO NOT FULLY REPRESENT THE ENTIRE INSTALLATION FOR THE SYSTEMS INDICATE BELOW. THE CONTRACTOR IS REQUIRED TO COMPLETE THE DESIGN FOR THESE SYSTEMS AS SPECIFIED HEREIN AND AS INDICATED ON THE DRAWINGS. CAD OR REVIT SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION:
- ·LIGHTING AND DEVICE BRANCH CIRCUITING- DRAWINGS INDICATE ABOVE CEILING POWER JUNCTION BOXES, HOMERUNS, CIRCUITING AT EACH JUNCTION BOX, AND LOCAL MEANS OF CONTROL. CORRESPONDING CIRCUIT NUMBERS ARE INDICATED ADJACENT TO LIGHTING FIXTURES AND RECEPTACLES. CONNECTIONS TO ALL FIXTURES AND DEVICES ARE NOT INDICATED ON THE PLANS BUT ARE REQUIRED.
- ·FIRE ALARM SYSTEM- DRAWINGS INDICATE THE LOCATION OF ALL CONTROL PANEL COMPONENTS, INITIATING DEVICES, ANNUNCIATING DEVICES, COMMUNICATIONS SYSTEM COMPONENTS, AUXILIAF EQUIPMENT CONTROL AND CONDUIT BETWEEN BUILDINGS. CONDUITS WIRE AND CABLING BETWEEN ALL SYSTEM EQUIPMENT, DEVICES, ETC. ARE NOT INDICATED AND SHALL BE COMPLETED BY THE FIRE ALARM SYSTEM SHOP DRAWING DESIGNER

ABBREVIATIONS AMPERES LCP LIGHTING CONTROL PANEL ARC FAULT CIRCUIT INTERRUPTER MBGB MAIN BUILDING GROUND BUS AMPERE OVERCURRENT FRAME SIZE MCB MAIN CIRCUIT BREAKER (WHEN APPLIED TO CIRCUIT BREAKERS) OR AMPERE FUSE SIZE MLO MAIN LUGS ONLY (WHEN APPLIED TO FUSES) MT EMPTY CONDUIT ABOVE FINISHED FLOOR ASYMMETRIC INTERRUPTING CURRENT NC NORMALLY CLOSED **ALUMINUM** NON-FUSED AMPERE OVERCURRENT TRIP (WHEN NIEC NOT IN ELECTRICAL CONTRACT APPLIED TO CIRCUIT BREAKERS) AUDIO / VIDEO NIGHT LIGHT, UNSWITCHED ATS AUTOMATIC TRANSFER SWITCH NO NORMALLY OPEN **BUILDING AUTOMATION SYSTEM** NTS NOT TO SCALE CONDUIT OC ON CENTER CCTV CLOSED CIRCUIT TELEVISION OFCI OWNER FURNISHED CONTRACTOR INSTALLED CEC CALIFORNIA ELECTRICAL CODE PA PUBLIC ADDRESS **CURRENT LIMITING CIRCUIT BREAKER** OR FUSE PDZ PRIMARY DAYLIGHT ZONE CIRCULATION PUMP PNL PANEL **CURRENT TRANSFORMER** POWER QUALITY METER POTENTIAL TRANSFORMER DRINKING FOUNTAIN PVC POLYVINYL CHLORIDE EXISTING TO REMAIN EXISTING TO BE REMOVED ELECTRICAL CONTRACTOR REMOVE AND RELOCATE EXHAUST FAN SEE ARCHITECTURAL DRAWINGS EPO EMERGENCY POWER OFF TIME CLOCK EMT ELECTRICAL METALLIC TUBING TWISTED-PAIR EWH ELECTRIC WATER HEATER SDZ SECONDARY DAYLIGHT ZONE FUSED SPD SURGE PROTECTION DEVICE TRANSFORMER FACP FIRE ALARM CONTROL PANEL TYP TYPICAL FULL LOAD AMPERES UON UNLESS OTHERWISE NOTED FMC FLEXIBLE METAL CONDUIT UPS UNINTERRUPTIBLE POWER SUPPLY FSD FIRE/SMOKE DAMPER VOLTS FIREMAN'S REMOTE ANNUNCIATOR VA VOLTS-AMPS VARIABLE FREQUENCY DRIVE GROUND VENDING MACHINE **GROUND BUS** WAP WIRELESS ACCESS POINT GFCI GROUND FAULT CIRCUIT INTERRUPTER WP WEATHERPROOF GND GROUND 2SP TWO SPEED

GRAP GENERATOR REMOTE ANNUNCIATOR

GRC GALVANIZED RIGID CONDUIT

IMC INTERMEDIATE METAL CONDUIT

		APPLIANCES	
DO	DOUBLE OVEN	MW	MICROWAVE
DW	DISHWASHER	RF	REFRIGERATOR
ED	ELECTRIC DRYER	RH	RANGE HOOD
EO	ELECTRIC OVEN/RANGE	UR	UNDERCOUNTER REFRIGERATOR
GD	GARBAGE DISPOSER	WC	WINE COOLER
GR	GAS RANGE	WM	WASHING MACHINE

1-PHASE

3-PHASE

1-POLE

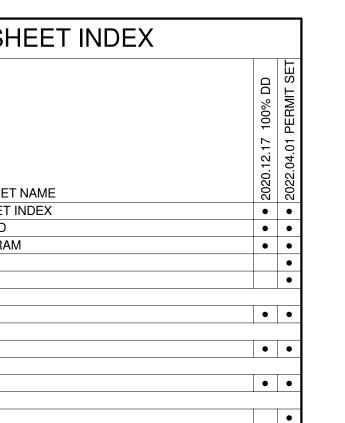
2-POLE

3-POLE

3-WIRE

4-WIRE

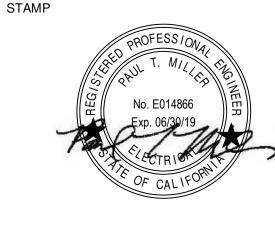
	ELECTRICAL SHEET INDEX		
CHEET NO	CHEET NAME	2020.12.17 100% DD	H
SHEET NO.	SHEET NAME		ò
E001	NOTES, ABBREVIATIONS, AND SHEET INDEX	•	-
E002	ELECTRICAL SYMBOLS AND LEGEND	•	,
E003	SCHEDULE AND SINGLE LINE DIAGRAM	•	,
E004	TITLE 24 FORMS		•
E005	TITLE 24 FORMS		,
E101	SITE PLAN	•	,
E201	LIGHTING PLANS	•	,
E301	POWER AND LOW VOLTAGE PLANS	•	,
E401	FIRE ALARM PLANS		,
E402	FIRE ALARM RISER AND DETAILS		,
E501	ENLARGED PLANS AND DETAILS	•	





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TEE Project No.: 21186



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

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LIST ENGINEERING CO.

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

T: (415) 826-9626

CONTACT: HENRY TOORYANI

DESCRIPTION

DESCRIPTION

JOB NO.

NOTES, ABBREVIATIONS, AND SHEET INDEX





225A, 3P SUBFEED BRKR SERVING PANEL "A" {1} REPLACE 30A/2P WITH 40A/2P [2] REPLACE (2) 20A/1P WITH (1) 20A/2P

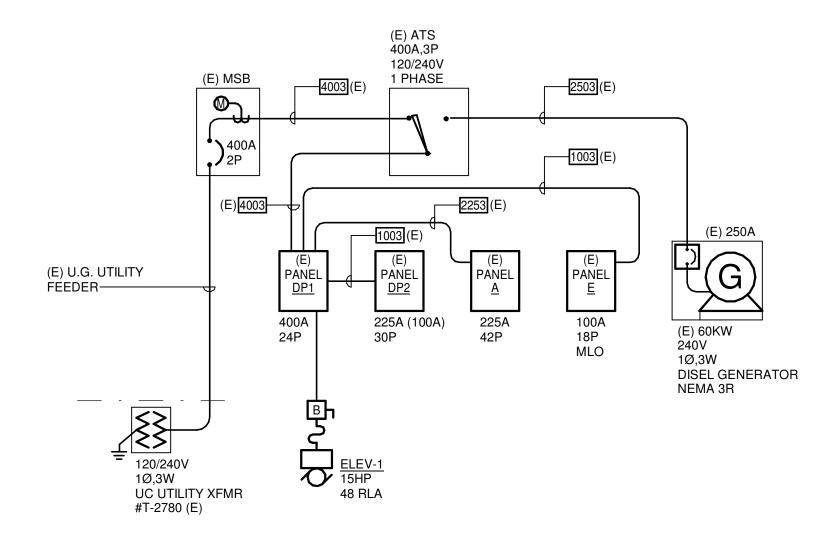
{1} REPLACE (2) 20A/1P WITH (1) 20A/2P

{2} REPLACE (2) 20A/1P WITH (1) 30A/2P

Branch Panel: (E) PANEL A

Location: (E) IT/ELEC 203			Serv	ed Fro	m DP1		Ph	nases	1	A.I.0	C. Rating: 10kAl	C Bus Rating	225 A
Mounting: SURFACE				Volt	s: 120/2	240	1	Wires	3	M	ain Type: MLO	Main Rating:	NA
Load Served	Amp	Р	#	Α(kVA)	B (k	VA)	#	Р	Amp	Lo	oad Served	
EXTRACTOR {1}	20 A	2	1	1.08	2.00	1.08	2.00	2	2	30 A	DRYER {2}		
CONV. REC. GND FLOOR	20 A	1	5	0.90	1.10	1.00	2.00	6	1	20 A	WASHER		
PRINTER	20 A	1	7	0.100		0.72	0.18	8	1	20 A	ELEVATOR RE	C.	
MONITORS	20 A	1	9	0.54	0.00			10	1	20 A	SPARE		
PRINTER	20 A	1	11			0.18	0.00	12	1	20 A	SPARE		
CONV. REC. GND FLOOR	20 A	1	13	1.08	0.00			14	1	20 A	SPARE		
CONV. REC. GND FLOOR	20 A	1	15			0.18	0.00	16	1	20 A	SPARE		
PRINTER	20 A	1	17	0.90	0.00			18	1	20 A	SPARE		
CONV. REC. GND FLOOR	20 A	1	19			0.72	0.00	20	1	20 A	SPARE		
ELEVATOR PIT REC.	20 A	1	21	0.18	0.00			22	1	20 A	SPARE		
REC. APPARATUS BAY	20 A	1	23			0.72	0.00	24	1	20 A	SPARE		
REC. APPARATUS BAY	20 A	1	25	1.08	0.15			26	1	20 A	FLAG POLE LIG	GHT	
SPARE	20 A	1	27			0.00	0.00	28	1	20 A	SPARE		
space		1	29					30	1		space		
			31					32					
			33					34					
			35					36					
			37					38					
			39					40					
			41					42					
	Т	otal	Load:		1 kVA	5.7							
	To	tal A	\mps:	7	5 A	48.1	7 A						
Load Classification			Conn. L	oad	Deman	d Factor	Code	Dema	and		Panel	Totals	
Other			9.6 k\	VA	100.	.00%	9.	6 kVA	A Connected Load:			14.79 kVA	
Lighting			0.15 k	ΧVA	125.	.00%	0.19 kVA		A Connected Amps:		61.63 A		
Receptacles			5.04 k	VΑ	100.	.00%	5.0)4 kVA		Code	e Demand Est	14.83 kVA	
		+											

Code Demand Est... 61.78 A





Branch Panel: (E) PANEL E

Location: (E) IT/ELEC 203			Serv	ed Fro	m DP1		Ph	ases	1	A.I.C	C. Rating: 10kAl0	Bus Rating	22
Mounting: SURFACE				Volt	s: 120/2	240	V	Vires	3	M	ain Type: MLO	Main Rating:	N
Load Served	Amp	Р	#		Α	В	3	#	Р	Amp	Lo	ad Served	
CORD REELS	20 A	1	1	0.72	3.60			2	2	40.4	INDUCTION CO	OKTOD (4)	
CORD REELS	20 A	1	3			0.72	3.60	4	-	40 A	INDUCTION CO	OKTOP (I)	
HEATER IGNITORS	20 A	1	5	0.00	3.60			6	2	40 A	ELECTRIC OVE	NI .	
DISHWASHER	20 A	1	7			0.80	3.60	8	-	40 A		IN .	
GARBAGE DISPOSAL	20 A	1	9	1.20	0.54			10	1	20 A	ROOF GFCI		
CONV. REC.	20 A	1	11			0.90	0.36	12	1	20 A	EXTERIOR REC		
MICROWAVE	20 A	1	13	1.20	0.36			14	1	20 A	CONV. REC.		
LTG KITCHEN 2ND FLOOR	20 A	1	15			0.28	0.00	16	1	20 A	SPARE		
CONV. REC.	20 A	1	17	0.72	1.11			18	1	20 A	LTG APPARATU	IS BAY	
CONV. REC. MONITOR	20 A	1	19			0.90	0.80	20	1	20 A	FRIG		
GARBAGE DISPOSAL	20 A	1	21	1.20	0.80			22	1	20 A	FRIG		
ICE MAKER	20 A	1	23			1.00	0.80	24	1	20 A	FRIG		
CONV. REC.	20 A	1	25	1.08	0.72			26	1	20 A	REC. GYM		
LIFT	20 A	1	27			1.20	0.54	28	1	20 A	MONITORS		
CONV. REC. OFFICES	20 A	1	29	0.72	1.08			30	1	20 A	CONV. REC. SH	ADES	
PARKING LOT LTS	20 A	1	31			0.14	0.18	32	1	20 A	RR CONV.		
CONV. REC.	20 A	1	33	0.54	0.18			34	1	20 A	RR CONV.		
A/V TELECOM RACK	20 A	1	35			1.00	1.26	36	1	20 A	BR REC.		
A/V TELECOM RACK	20 A	1	37	1.00	1.44			38	1	20 A	BR REC.		
A/V TELECOM RACK	20 A	1	39			1.00	0.00	40	1	20 A	SPARE		
CONV. REC. ELEC. RM.	20 A	1	41	0.36	0.32			42	1	20 A	EXTERIOR LIGH	HTS	
			Load:		9 kVA	19.0							
	To		\mps:		7 A	159.0							
Load Classification			Conn. I	_oad	Deman	d Factor	Code	Dema	ınd		Panel 7	Totals	
Other			16.14	kVA	100	.00%	16.	14 kV <i>A</i>	1	C	onnected Load:	41.57 kVA	
_ighting			1.85 k	VΑ	125	.00%	2.3	1 kVA		Co	nnected Amps:	173.2 A	
Receptacles			23.58	kVA	71.	20%	16.7	79 kV <i>A</i>	١	Code	e Demand Est	35.24 kVA	
										Code	e Demand Est	146 83 A	

Location: (E) IT/ELEC 203			Serv	ed Fro	m DP1		Ph	nases	1	A.I.0	C. Rating: 10kAl	C Bus Rating	100
Mounting: SURFACE				Volt	ts: 120/2	40	1	Wires	3	M	lain Type: MLO	Main Rating	: NA
Load Served	Amp	Р	#		Α	E	3	#	Р	Amp		oad Served	
OVERHEAD DOOR	20 A	1	1	1.10	0.00			2	1	20 A	SPARE		
OVERHEAD DOOR	20 A	1	3			1.10	0.00	4	1	20 A	SPARE		
OVERHEAD DOOR	20 A	1	5	1.10	0.00			6	1	20 A			
SPARE	20 A	1	7			0.00	0.00	8	1	20 A			
2ND FLOOR LIGHTING	20 A	1	9	0.67	0.93			10	1	20 A	LIGHTING 1ST	FLOOR	
SPARE	20 A	1	11			0.00	1.50	12	1		FA PANEL		
SPARE	20 A	1	13	0.00	0.36			14	1	20 A	ELEC RM. CON	V. REC.	
SPARE	20 A	1	15			0.00	0.40	16	2	20 A	EF-1		
SPARE	20 A	1	17	0.00	0.40			18		20 A	WITH RELAY		
			19					20					
			21					22					
			23					24					
			25					26					
			27					28					
			29					30					
			31					32					
			33					34					
			35					36					
			37					38					
			39					40					
			41					42					
			Load:		6 kVA	3.0							
	To		Amps:		8 A	25							
Load Classification			Conn. I	Load	Deman	d Factor	Code	Dema	and		Panel	Totals	
Other			5.6 k	VA	100	00%	5.	6 kVA		С	onnected Load:	7.56 kVA	
Lighting			1.6 k	VA	125	00%	2.0	1 kVA		Co	nnected Amps:	31.52 A	
			0.36 kVA		100.00%		0.36 kVA			Cod	e Demand Est	7.97 kVA	
Receptacles			0.30 K	·VA	100	0070	0.0		.				

FEEDER SCHEDULE

FEEDER SCHEDULE GENERAL NOTES

IN EACH CONDUIT.

- 1. COPPER FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH THHN/THWN-2 INSULATION IN EMT CONDUIT. 2. ALUMINUM FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH XHHW-2 INSULATION IN EMT CONDUIT.
- 3. FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON AN AMBIENT TEMPERATURE OF 30 DEGREES C (86 DEGREES F).
- 4. FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED SIZE GROUND CONDUCTOR
- 5. PER CEC ARTICLE 110.14, ALL FEEDERS SIZED AT #2 AWG OR LESS ARE CALCULATED PER 60 DEGREE TABLE. FEEDERS GREATER THAN #2 AWG ARE RATED 75 DEGREE.
- FEEDER SCHEDULE REMARKS A. OVERSIZED 150% NEUTRAL, SUITABLE FOR SERVICE FROM K-13 RATED TRANSFORMERS.
- B. FEEDER APPROVED FOR USE WITH SEPARATELY DERIVED SYSTEM; GROUNDING AS REQUIRED BY CEC ARTICLES 240 AND 250.
- C. FEEDER GROUND AND BONDING JUMPER SHALL HAVE AN AREA NOT LESS THAN 12.5% OF THE AREA OF THE LARGEST PHASE CONDUCTOR.
- D. INCREASE CONDUIT TO THE NEXT LARGER TRADE SIZE WHEN USING SCHEDULE 40 OR 80 PVC CONDUIT.
- E. PER CEC SECTION 240.4(B), FOR OVERCURRENT DEVICES RATED 800A OR LESS, THE NEXT HIGHER STANDARD OVERCURRENT DEVICE RATING (ABOVE THE
- AMPACITY OF THE CONDUCTORS) CAN BE USED. RULE CAN NOT BE APPLIED IF 100% RATED BREAKERS ARE USED. F. PER CEC 240.21(C), THE PROVISIONS OF 240.4(B) SHALL NOT BE PERMITTED FOR TRANSFORMER SECONDARY CONDUCTORS.

FEEDI	ΞR	FEEDER	CONDUIT	CONDUCTO	DRS	SEPARATELY SYSTI	REMARKS	
TAG	i	DESCRIPTION	CONDON	PHASE/NEUTRAL	GROUND	GROUNDING ELECTRODE	BONDING JUMPER	NEIVIANNO
1003		95 AMP, 3 WIRE	1-1.25"	3 #2 CU	1 #8 CU	-	-	D,E
2253		230 AMP, 3 WIRE	1-2.50"	3 #4/0 CU	1 #4 CU	-	-	-
2503		255 AMP, 3 WIRE	1-2.00"	3 #250 KCMIL CU	1 #4 CU	-	-	-
4003		380 AMP, 3 WIRE	1-3.00"	3 #500 KCMIL CU	1 #2 CU	-	-	D,E

LUMINAIRE SCHEDULE

DESCRIPTION

LUMINAIRE SCHEDULE NOTES:

REFER TO SPECIFICATION "265000 LIGHTING" FOR DETAILS ON TIER REQUIREMENTS. IN ABSENCE OF SPECIFICATION SECTION, REFER TO THE FOLLOWING TIER DEFINITIONS:

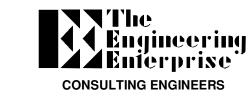
TIER 1 (LEGACY CRI 90): FOR APPLICATIONS WHERE COLOR FIDELITY IS CRITICAL, SUCH AS MUSEUMS, GALLERIES, HIGH-END RESIDENTIAL, ETC. R9 VALUE; MINIMUM 80. TM30 VALUES; Rf>85, 95>Rg>105.

TIER 2 (LEGACY CRI 80): FOR APPLICATIONS WHERE COLOR FIDELITY IS IMPORTANT, SUCH AS OFFICES, SCHOOLS, GENERAL INTERIOR AREAS, ETC. R9 VALUE; MINIMUM 30. TM30 VALUES; Rf >75, 92>Rg>110.

TIER 3 (LEGACY CRI 70): FOR APPLICATIONS WHERE COLOR FIDELITY IS NOT CRITICAL, SUCH AS EXTERIOR PARKING AND AREA LIGHTING, WAREHOUSES, ETC.

R9 VALUE; MINIMUM 20. TM30 VALUES; Rf >70, 80>Rg>120. MANUFACTURER CATALOG NUMBER

Part Maurite Bounde series						INANSFUNIER		
Part	F1	NULITE BOUNCE SERIES		2000 NOMINAL INITIAL LUMENS	1	DIMMING DRIVER, 100%-10%	19 W	120 V
ENGINEY FLUSSI REAM SERIES	F1A	NULITE BOUNCE SERIES		3500 NOMINAL INITIAL LUMENS	1	DIMMING DRIVER, 100%-10%	36 W	120 V
Page Signify Fluxstream series Similar to Type #3 except with emersency Don Nominal Division Division Division Division Division Don Nominal D	F2	a.LIGHT D5 SERIES		3600 NOMINAL INITIAL LUMENS	1	DIMMING DRIVER, 100%-10%	32 W	120 V
Pattern	F3	SIGNIFY FLUXSTREAM SERIES	FOUR FOOT LENSED STRIP, NOMINAL 4 FOOT LENGTH.	3000 NOMINAL INITIAL LUMENS	2	NON-DIM	25 W	120 V
F5	F3E	SIGNIFY FLUXSTREAM SERIES		3000 NOMINAL INITIAL LUMENS	2	NON-DIM	25 W	120 V
REGRESSED LENS, WHITE CONE FINISH, WARM DIM MODULE 100%-15 RANGE 100%-15	F4	WAC #180137-30-(FINISH)	DECORATIVE VANITY LUMINAIRE	2150 NOMINAL INITIAL LUMENS	1	-	28 W	120 V
F5B DMF DRD+ONE FRAME SERIES SIMILAR TO TYPE 'F5 EXCEPT WITHOUT WARM DIMMING, INCREASED LUMEN PACKAGE INCREASED LUMINAIRE INTEGRAL MOTION SENSOR. INCREASED LUMEN PACKAGE INCREASED LUMINAIRE INTEGRAL MOTION SENSOR. INTEGRAL DIMINING DRIVER INCREASED LUMINAIRE INTEGRAL MOTION SENSOR. INTEGRAL DIMINING DRIVER INCREASED LUMINAIRE INTEGRAL MOTION SENSOR. INTEGRAL DIMINING DRIVER INTEGRAL MOTION SENSOR. INTEGRAL DIMINING DRIVER INTEGRAL MOTION SENSOR. INTEGRAL MOTION SENSOR. INTEGRAL DIMINING DRIVER INTEGRAL DIMINING DRIVER INTEGRAL DIMINING DRIVER INTEGRAL DRIVER	F5	DMF DRD+ONE FRAME SERIES	REGRESSED LENS. WHITE CONE FINISH. WARM DIM	750 NOMINAL INITIAL LUMENS 3000K-1800K	1	DIMMING DRIVER,	10 W	120 V
INCREASED LUMEN PACKAGE 125 NOMINAL INTIAL LUMENS SOOK 100% 19% RANGE 100% 19% RANG	F5A	DMF DRD+ONE FRAME SERIES	SIMILAR TO TYPE 'F5' EXCEPT WITHOUT WARM DIMMING.	750 NOMINAL INITIAL LUMENS	1	DIMMING DRIVER,		120 V
SAM NOMINAL LUMENS SAM NOM	F5B	DMF DRD+ONE FRAME SERIES		1250 NOMINAL INITIAL LUMENS	1	DIMMING DRIVER,		120 V
#BA-AC24-CS-WT #BA-AC24-CS-WT #BA-AC24-CS-WT #BO LED COVE LIGHT - - - 10 W 120 V #BA H.E.WILLIAMS EGL2 SERIES SURFACE MOUNTED WIDE BODY ENCLOSED AND 1000 NOMINAL NITTIAL LUMENS 4000K 4000K	F6	WAC GRISHAM #BL-25214-(FINISH)	WALL MOUNTED READING LIGHT WITH FLEXIBLE ARM.	344 NOMINAL INITIAL LUMENS		NON-DIM	8 W	120 V
F8			LED UNDERCABINET STRIP LIGHT 24"	910 NOMINAL INITIAL LUMENS	2	NON-DIMMING	10 W	120 V
GASKETED LUMINAIRE. INTEGRAL MOTION SENSOR. 10000 NOMINAL 1120 NOMINAL 11200 NOMINAL 11200 NOMINAL 11200 NOMINAL 10000 NOMINAL	F7A	TBD	LED COVE LIGHT	-	-	-	10 W	120 V
LUMEN PACKAGE LUMEN PACKAGE LUMEN PACKAGE NITTAL LUMENS 4000K RANGE EF9 KENALL HASESI SERIES SURFACE MOUNTED 1 X 4 LENSED LUMINAIRE LED 11200 NOMINAL NITTAL LUMENS 4000K LED 11200 NOMINAL NITTAL LUMENS 4000K RANGE EID 11200 NOMINAL NITTAL LUMENS 4000K RANGE EID 11200 NOMINAL NITTAL LUMENS 4000K RANGE EID 11200 NOMINAL NITTAL LUMENS 3000K RANGE EID 11200 NOMINAL NITTAL LUMENS 3000K LED 1000 NOMINAL NITTAL LUMENS 3000K RANGE EID 11200 NOMINAL NITTAL LUMENS 3000K RANGE EID 1120 V DIALITEGRAL NOMING DRIVER, 100%-10% RANGE EID 1120 V DIALITEGRAL NOMING DRIVER, 100%-10% RANGE EXTERIOR FULL CUTOFF SCONCE. TYPE 3 DISTRIBUTION. SIGNIFICATION NON-DIM DRIVER 1000 NOMINAL NITTAL LUMENS 3000K RANGE INTEGRAL NOM-DIM DRIVER 1000 NOMINAL NON-DIM DRIVER 1120 V 120 V	F8	H.E.WILLIAMS EGL2 SERIES		10000 NOMINAL INITIAL LUMENS	2	DIMMING DRIVER, 100%-10%	73 W	120 V
11200 NOMINAL INITIAL LUMENS 4000K 1120 NOMINAL INITIAL LUMENS 4000K 1120 NOMINAL INITIAL LUMENS 4000K 1120 NOMINAL 100%-10% RANGE 15 W 120 V 12	F8A	H.E.WILLIAMS 96 SERIES		4000 NOMINAL INITIAL LUMENS	2	NON-DIM	30 W	120 V
#S7R-9-30K-10 (FINISH) -Z10U J-BOX MOUNTED. 1000 NOMINAL INITIAL LUMENS 3000K PANGE F11 A.LIGHT ALD2ST SERIES WALL MOUNTED LINEAR DIRECT / INDIRECT LUMINAIRE, NOMINAL ASYMMETRIC UPLIGHT AND DOWNLIGHT DISTRIBUTION. SEPARATE SWITCHING. STANDARD COLOR AS SELECTED BY ARCHITECT. F12 LIGHTOLIER PENDANT OR WALL MOUNTED EXIT SIGN WITH DIRECTIONAL ARROWS PER PLANS F13 GARDCO 111L-16-750-WW-G2-3-120-PCB (FINISH) F14 (EXISTING) J-BOX MOUNTED. WALL MOUNTED LINEAR DIRECT / INDIRECT LUMINAIRE, NOW, 100%-10% RANGE 120 V	F9	KENALL HASESI SERIES	SURFACE MOUNTED 1 X 4 LENSED LUMINAIRE	11200 NOMINAL INITIAL LUMENS	2	DIMMING DRIVER, 100%-10%	72 W	120 V
NOMINAL 4 INCH SQUARE, 6 FOOT LENGTH. ASYMMETRIC UPLIGHT AND DOWNLIGHT DISTRIBUTION. SEPARATE SWITCHING. STANDARD COLOR AS SELECTED BY ARCHITECT. F12 LIGHTOLIER PENDANT OR WALL MOUNTED EXIT SIGN WITH DIRECTIONAL ARROWS PER PLANS F13 GARDCO 111L-16-750-WW-G2-3-120-PCB (FINISH) EXTERIOR FULL CUTOFF SCONCE. TYPE 3 DISTRIBUTION. B1-U0-G1 EXTERIOR WALL MOUNTED SCONCE EXTERIOR WALL MOUNTED SCONCE 40 W 120 V				1000 NOMINAL INITIAL LUMENS	2	DIMMING DRIVER, 100%-10%	15 W	120 V
F13 GARDCO 1111L-16-750-WW-G2-3-120-PCB (FINISH) EXTERIOR FULL CUTOFF SCONCE. TYPE 3 DISTRIBUTION. B1-U0-G1 EXTERIOR FULL CUTOFF SCONCE. TYPE 3 DISTRIBUTION. B1-U0-G1 EXTERIOR WALL MOUNTED SCONCE F14 (EXISTING) DIRECTIONAL ARROWS PER PLANS INTEGRAL NON-DIM DRIVER F10 V 120 V 120 V	F11	A.LIGHT ALD2ST SERIES	NOMINAL 4 INCH SQUARE, 6 FOOT LENGTH. ASYMMETRIC UPLIGHT AND DOWNLIGHT DISTRIBUTION. SEPARATE SWITCHING. STANDARD COLOR AS	12700 NOMINAL INITIAL LUMENS	2	DIMMING DRIVER, 100%-10%	120 W	120 V
111L-16-750-WW-G2-3-120-PCB (FINISH) B1-U0-G1 3591 NOMINAL INITIAL LUMENS 3000K NON-DIM DRIVER DRIVER 120 V			DIRECTIONAL ARROWS PER PLANS	-	-	-		120 V
		111L-16-750-WW-G2-3-120-PCB (FINISH)	B1-U0-G1	3591 NOMINAL INITIAL LUMENS		NON-DIM		
		(EXISTING) TBD	EXTERIOR WALL MOUNTED SCONCE EXTERIOR UPLIGHT AT FLAG	-	-	-	40 W 150 W	120 V 120 V



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STAMP

TEE Project No.: 21186



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

LIGHT SOURCE | TIER | DRIVER, | WATTAGE | VOLTAGE |

TRANSFORMER

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

ARCHITECT: MARJANG ARCHITECTURE 930 COLE STREET STE 101

T: (415) 378-9064

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

CONTACT: BILL HANSELL

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

CONTACT: MATT FRANZ T: (650) 394-8869

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

BKF ENGINEERS

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

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

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

CONTACT: PETER MCDONALD T: (415) 255-9140 ESTIMATOR: MICROESTIMATION INC.

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

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



DESCRIPTION

JOB NO.

DESCRIPTION

SCHEDULE AND SINGLE LINE DIAGRAM

C. COMPLIANCE RES	ULTS						
Table Instructions: If th	nis table	says "DOES NOT COM	PLY" rej	fer to Table D. for guidd	ance an	d review the Table that	indicates "No".
01		02		03	×	04	05
Service Electrical Metering §130.5(a)	AND	Separation for Monitoring §130.5(b)	AND	Voltage Drop §130.5(c)	AND	Controlled Receptacles §130.5(d)	Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)	
	AND		AND	Yes	AND		COMPLIES with Exceptional Conditions

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

NRCC-ELC-E (Created 01/20)				CALIFORNIA ENERGY C	OMMISSIO	A E
CERTIFICATE OF COMPLIANCE					NR	CC-ELC
Project Name: Kensington Fire St			Report Page:		Pa	ge 2 of
Project Address: 217 Arlington Ave	Kensington, CA		Date Prepared:		3,	/31/20
D. EXCEPTIONAL CONDITIONS						?
This table is auto-filled with unedito	able comments because of s	elections made or data ent	ered in tables throughout the for	m.		
indicates instantaneous kW deman	d and kWh for a utility-define mpt from §130.5(a) Service 17.	nied period. Electrical Metering require		ny has provided the project a meterir of Electrical Circuits requirements be		
-						
E. ADDITIONAL REMARKS						?
This table includes remarks made b	y the permit applicant to th	e Authority Having Jurisdic	tion.			
Fire station is an essential services	facility.					
F. SERVICE ELECTRICAL METERI	NG					<u> </u>
This Section Does Not Apply						
G. SEPARATION OF ELECTRICAL	CIRCUITS FOR ENERGY I	MONITORING				[
This Section Does Not Apply						
H. VOLTAGE DROP						?
				ms, or alterations that add, modify or enstrate compliance per §141.0(b)2Pi		oth
feeders and branch circuits to demo	02	2	03	04	0	5
feeders and branch circuits to demo 01			Location of Voltage Drop	Sheet Number for Voltage Drop Calculations in Construction	Field In	spector
01 Electrical Service	Combined Voltage Drop or				Pass	Fail
01	Combined Voltage Drop or Circuit Conductors C	Compliance Method	Calculations ¹	Documents	1 433	
01 Electrical Service			Canculations: Contractor Responsible	Documents		

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards	January 2020

STATE OF CALIF	ORNIA					
Electrical	l Power	Distribution			NERGY COMMIS	
NRCC-ELC-E (Cr	eated 01/20)			CALIFORNIA E	NERGY COMMIS	SSION ****
CERTIFICATE	OF COMPL	ANCE				NRCC-ELC-
Project Nam	e: Kensin	gton Fire Station	F	Report Page:		Page 3 of 4
Project Addr	ess: 217 Ar	ington Ave Kensington, CA	ו	Date Prepared:		3/31/2022
I. CIRCUIT	CONTROLS	FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPT	TACLES			?
This Section	Does Not A	ply				
J. DECLARA	TION OF R	EQUIRED CERTIFICATES OF INSTALLATION				?
Table E. Add	litional Rem	tions have been made based on information provided in previon orks. These documents must be provided to the building inspec 019_compliance_documents/Nonresidential_Documents/NRC	ctor during co			•
YES	NO	For	rm/Title		Field In	spector
11.5	INO	FOI	ini, inie		Pass	Fail
•	0	NRCI-ELC-01-E - Must be submitted for all buildings.				

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

STATE OF CALIFORNIA

Electrical Power Distribution

NRCC-ELC-E (Created 01/20)

CERTIFICATE OF COMPLIANCE

CALIFORNIA ENERGY COMMISSION

NRCC-ELC-E (Created 01/20)

Project Name: Kensington Fire Station Page 4 of 4 Project Address: 217 Arlington Ave Kensington, CA 3/31/2022 Date Prepared: DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete. Part the Documentation Author Name: Documentation Author Signature: The Engineering Enterprise Signature Date: March 31, 2022 Company: 1305 Marina Village Parkway CEA/ HERS Certification Identification (if applicable): City/State/Zip: Alameda CA 94501 (510) 263-1522

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to electrical power distribution requirements.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

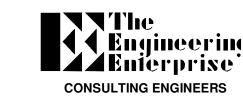
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available

documentation the builder pr	ovides to the building owner at occupancy.		
Responsible Designer Name:	Paul Miller	Responsible Designer Signature:	Part Mil
Company :	The Engineering Enterprise	Date Signed:	March 31, 2022
Address:	1305 Marina Village Parkway	License:	E14866
City/State/Zip:	Alameda CA 94501	Phone:	(510) 263-1522

to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the

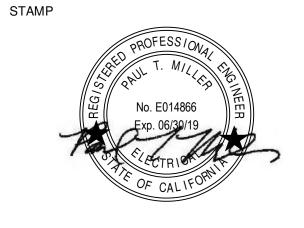
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards
January





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TEE Project No.: 21186



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

January 2020

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

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

T. (415) 522-0600

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

T: (650) 394-8869

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

CONTACT: ERIC SWANSON

CONTACT: MATT FRANZ

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.

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

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

2 HARRIS CT STE A7

MONTEREY, CA 93940

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

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

NO. DESCRIPTION DATE

DESCRIPTION

TITLE 24 FORMS



01	02	03	04	05	0	D
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density	Area (ft²)	Allowed Wattage	Additional A Adjust	•
	, i i i i i i i i i i i i i i i i i i i	(W/ft ²)	(10)	(Watts)	Area Category	PAF
	Office Building	0.65	5,146	3,344.9		
		TOTAL:	5,146	3,344.9	See Tables J	r P for detail
. ADDITIONAL LIGHTING ALLO	WANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING	SYSTEM				?
. ADDITIONAL LIGHTING ALLO This Section Does Not Apply	WANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING	SYSTEM				?
his Section Does Not Apply	WANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING	SYSTEM				?
his Section Does Not Apply		SYSTEM				?
his Section Does Not Apply K. TAILORED METHOD GENERA		SYSTEM				?
his Section Does Not Apply K. TAILORED METHOD GENERA This Section Does Not Apply		SYSTEM				?

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE Project Name: Kensington Fire Station Project Address: 217 Arlington Ave Kensington, CA Date Prepared: Controls Compliance (See Table H for Details) DOES NOT COMPLY Rated Power Reduction Compliance (See Table Q for Details) Not Applicable D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. No exceptional conditions apply to this project. E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction. Building is an essential services facility F. INDOOR LIGHTING FIXTURE SCHEDULE Table Instructions: Include all permanent designed lighting and all portable lighting in offices. Designed Wattage: Conditioned Spaces Field Inspector Name or Modular | Small Aperture | Watts per | How Wattage is | Total number | Exempt per Complete Luminaire Description Design Watts Item Tag rack) Fixture & Color Change | luminaire | §140.6(a)3 determined luminaires F1 Recessed 2x2 LED 19 Mfr. Spec² 361 F2 Recessed down light LED 32 Mfr. Spec² 288 F3 4' strip LED 25 Mfr. Spec² 175 Mfr. Spec² 4' strip LED battery backup Vanity LED Mfr. Spec² F5A Recessed LED down light Mfr. Spec² 210 F5B 112 Recessed LED down light 14 Mfr. Spec² 10 LED undercabinet light Mfr. Spec² F7A 350 LED cove light Mfr. Spec² 292 LED strip 73 Mfr. Spec² F9 72 Mfr. Spec² 1,080 1x4 surface LED CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE Project Name: Kensington Fire Station Project Address: 217 Arlington Ave Kensington, CA O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE This Section Does Not Apply P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF)) This Section Does Not Apply Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS This Section Does Not Apply R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS This Section Does Not Apply S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF) This Section Does Not Apply

Field Inspector YES NO Form/Title Pass Fail NRCI-LTI-01-E - Must be submitted for all buildings NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance. NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance. • NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance. NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in

Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

STATE OF CALIFORNIA Indoor Lighting

Company:

City/State/Zip:

CERTIFICATE OF COMPLIANCE

Documentation Author Name:

Project Name: Kensington Fire Station

Project Address: 217 Arlington Ave Kensington, CA

RESPONSIBLE PERSON'S DECLARATION STATEMENT

Compliance (responsible designer)

Responsible Designer Name:

Company

City/State/Zip:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

The Engineering Enterprise

Alameda CA 94501

The Engineering Enterprise

Alameda CA 94501

1305 Marina Village Parkway

1305 Marina Village Parkway

I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct.

documentation the builder provides to the building owner at occupancy.

January 2020

STATE OF CALIFORNIA **Indoor Lighting** CERTIFICATE OF COMPLIANCE Project Name: Kensington Fire Station Page 3 of 7 Project Address: 217 Arlington Ave Kensington, CA 3/31/2022 Field Inspector Modular | Small Aperture | Watts per Name or How Wattage is | Total number Exempt pe omplete Luminaire Description Design Watts Item Tag Track) Fixture & Color Change¹ | luminaire² | determined luminaires §140.6(a)3 Pass Fail F11 Wall mounted linear LED 120 240 Total Designed Watts CONDITIONED SPACES: 3,271

¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per <u>\$140.6(a)4B</u> is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05. ² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

luminaire, not the lamp.

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls	S								
	01				03				
	Mandatory Demand Response			Shut-0	Off Controls			Field Inspect	
	§110.12(c)			<u>§1</u>	<u>130.1(c)</u>			Pass	Fail
	Not Required ≤ 10,000 SF			See Area/Sp	ace Level Control	S			
Area Level Controls									
04	05	06	07	08	09	10	11	1	L2
Area Description		Area Controls §130.1(a)	Multi-Level Controls	Shut-Off Controls	Primary/Skylit Daylighting	Secondary Daylighting	Interlocked Systems	Field In	specto
		9130.1(a)	§130.1(b)	§130.1(c)	§130.1(d)	§140.6(d)	§140.6(a)1	Pass	Fail
	All Other Building	Manual ON/ OFF	Dimmer	Occ. Sensor	NA: ≤ 80% LP (alt only)	NA			

January 2020 CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

STATE OF CALIFORNIA **Indoor Lighting** CERTIFICATE OF COMPLIANCE Project Name: Kensington Fire Station Page 6 of 7 Project Address: 217 Arlington Ave Kensington, CA 3/31/2022

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field In	spector
		Formy fille		Fail
•	0	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.		
0	•	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.		
0	•	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.		
0	•	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).		
0	•	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).		

Date Prepared:

Documentation Author Signature:

Responsible Designer Signature:

CEA/ HERS Certification Identification (if applicable):

Signature Date:

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available

to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the

Date Signed:

4.4 Enferorise **CONSULTING ENGINEERS** ALAMEDA | AUBURN SAN DIEGO | SANTA BARBARA

https://www.engent.com TEE Project No.: 21186

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA. 94707

PROJECT TEAM

CLIENT:

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

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

T. (415) 522-0600

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

CONTACT: MATT FRANZ

T: (650) 394-8869 **BKF ENGINEERS** 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596

CONTACT: ERIC SWANSON

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

T: (925) 940-2200

CONTACT: CATHERINE ELLIS T: (510) 879-4544 LIST ENGINEERING CO. 2 HARRIS CT STE A7

T: (831) 373-4390 AUDIO/VISUAL: SMITH FAUSE MCDONALD INC. 351 8TH STREET

MONTEREY, CA 93940

CONTACT: RON BLUE

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

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

T: (415) 826-9626

DESCRIPTION DATE

DESCRIPTION

JOB NO.

TITLE 24 FORMS

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

Paul Miller

Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations

January 2020

Page 7 of 7

Part The

March 31, 2022

(510) 263-1522

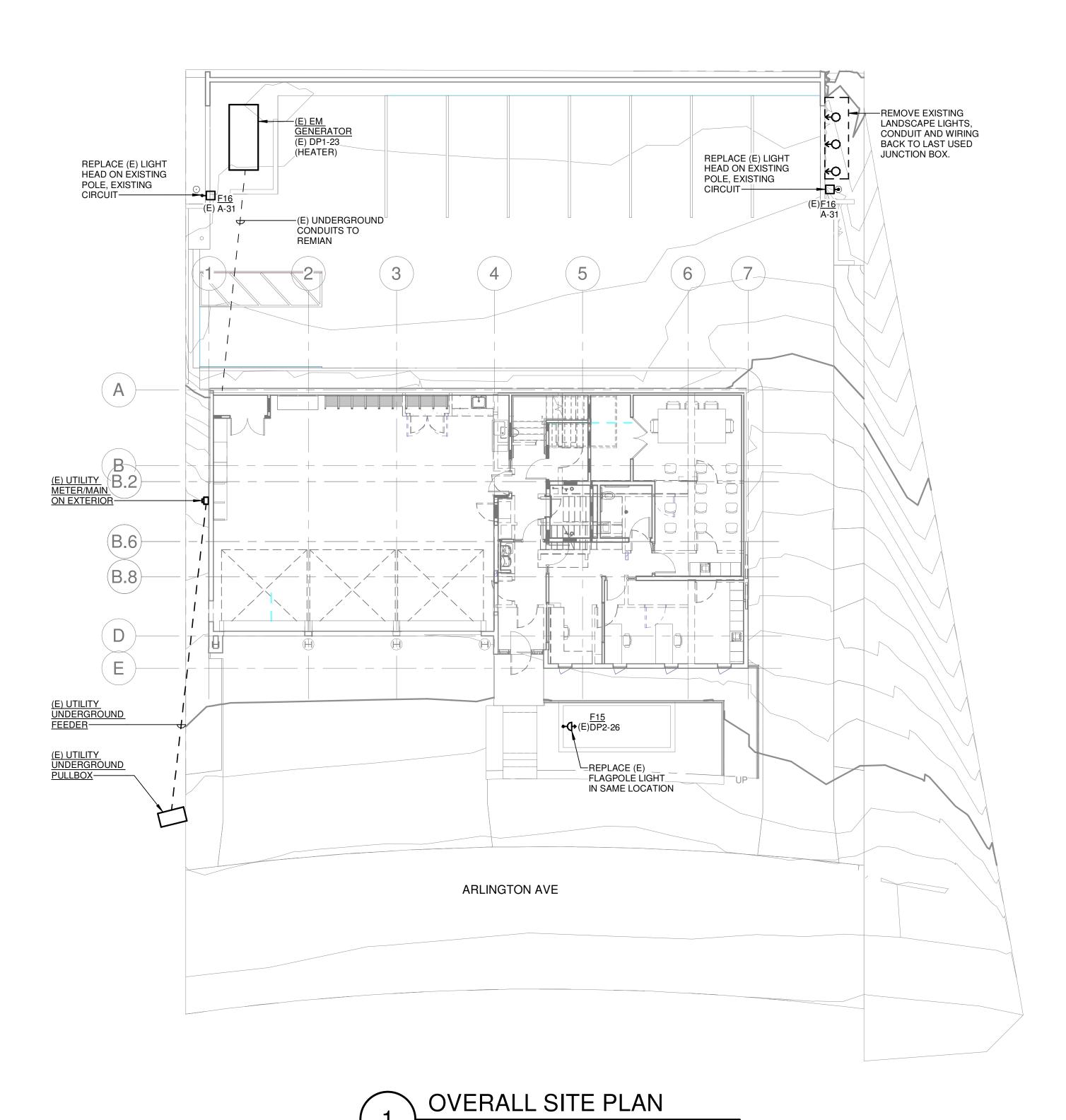
Part The

March 31, 2022

E14866

(510) 263-1522

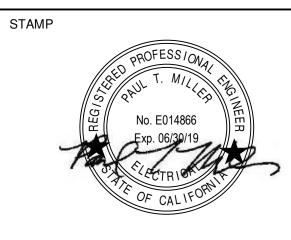
3/31/2022



SCALE: 1" = 10'-0"



https://www.engent.com TEE Project No.: 21186



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM

CLIENT:

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

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

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

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

CONTACT: MATT FRANZ T: (650) 394-8869

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

BKF ENGINEERS

HALEY ALDRICH 1956 WEBSTER ST #300

OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544 LIST ENGINEERING CO.

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

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

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

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

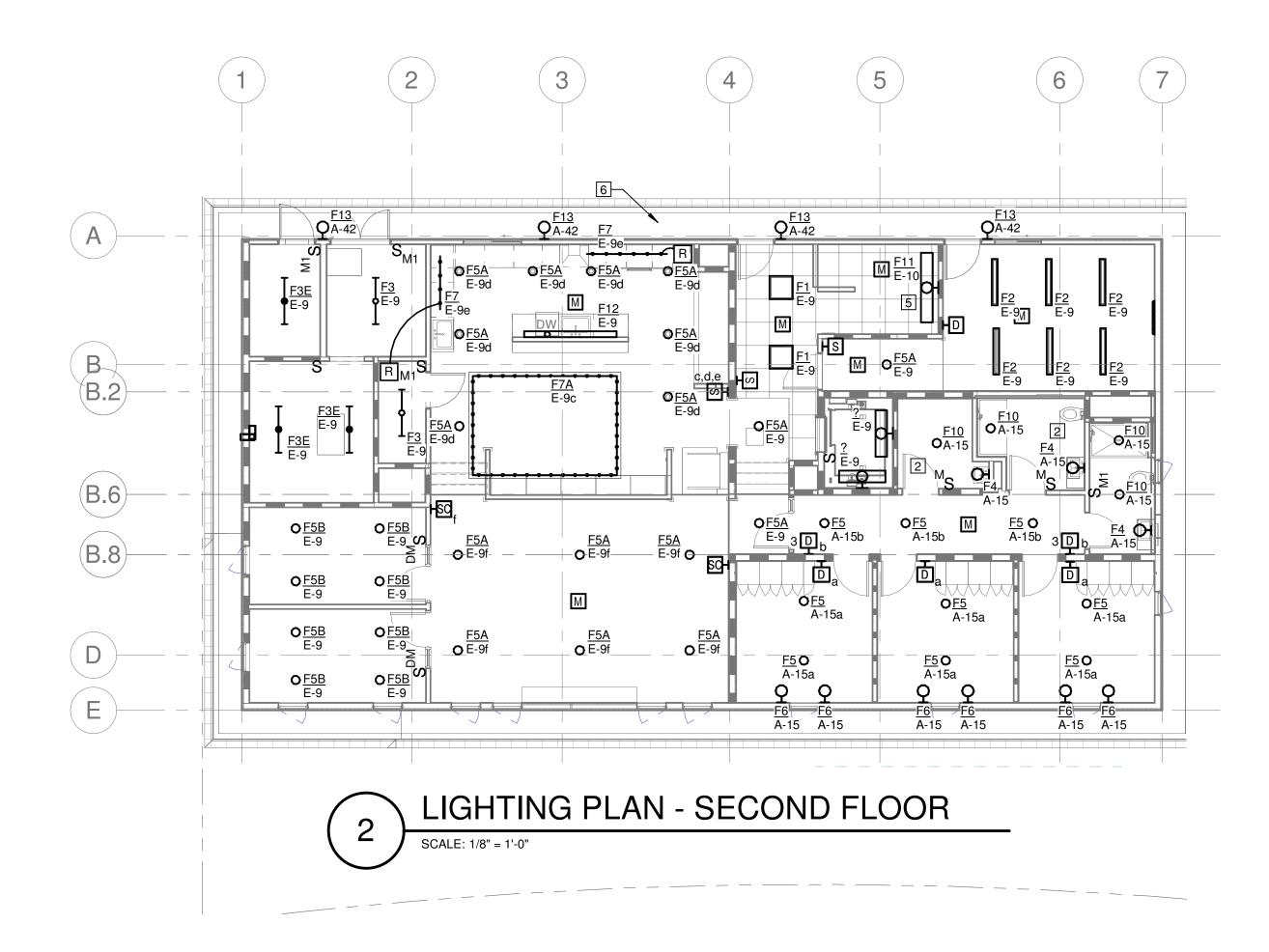
DESCRIPTION DATE JOB NO.

DESCRIPTION

SITE PLAN







NUMBERED SHEET NOTES

1 WALL MOUNT OVER DOOR.

2 COMBO FAN/LIGHT. 3 MOUNT UNDER STAIRS.

4 MOUNT IN PIT.

5 WALL MOUNTED ABOVE LANDING.

6 REMOVE ALL SOFFIT MOUNTED LIGHTING AND WALL MOUNTED LIGHTS AND PATCH.



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STAMP

TEE Project No.: 21186



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA, 94707

PROJECT TEAM CLIENT:

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

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

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

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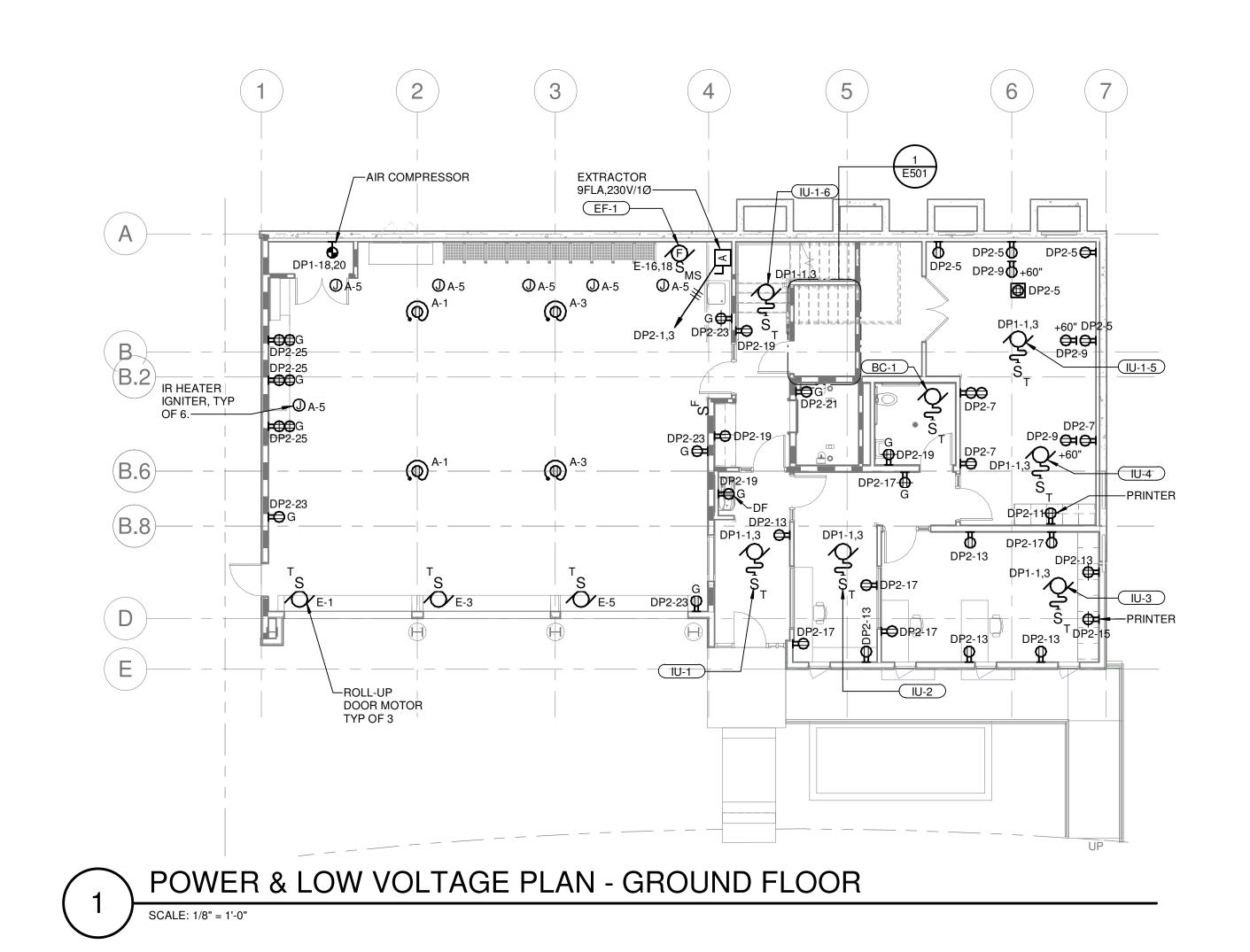
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

DESCRIPTION JOB NO.

DESCRIPTION

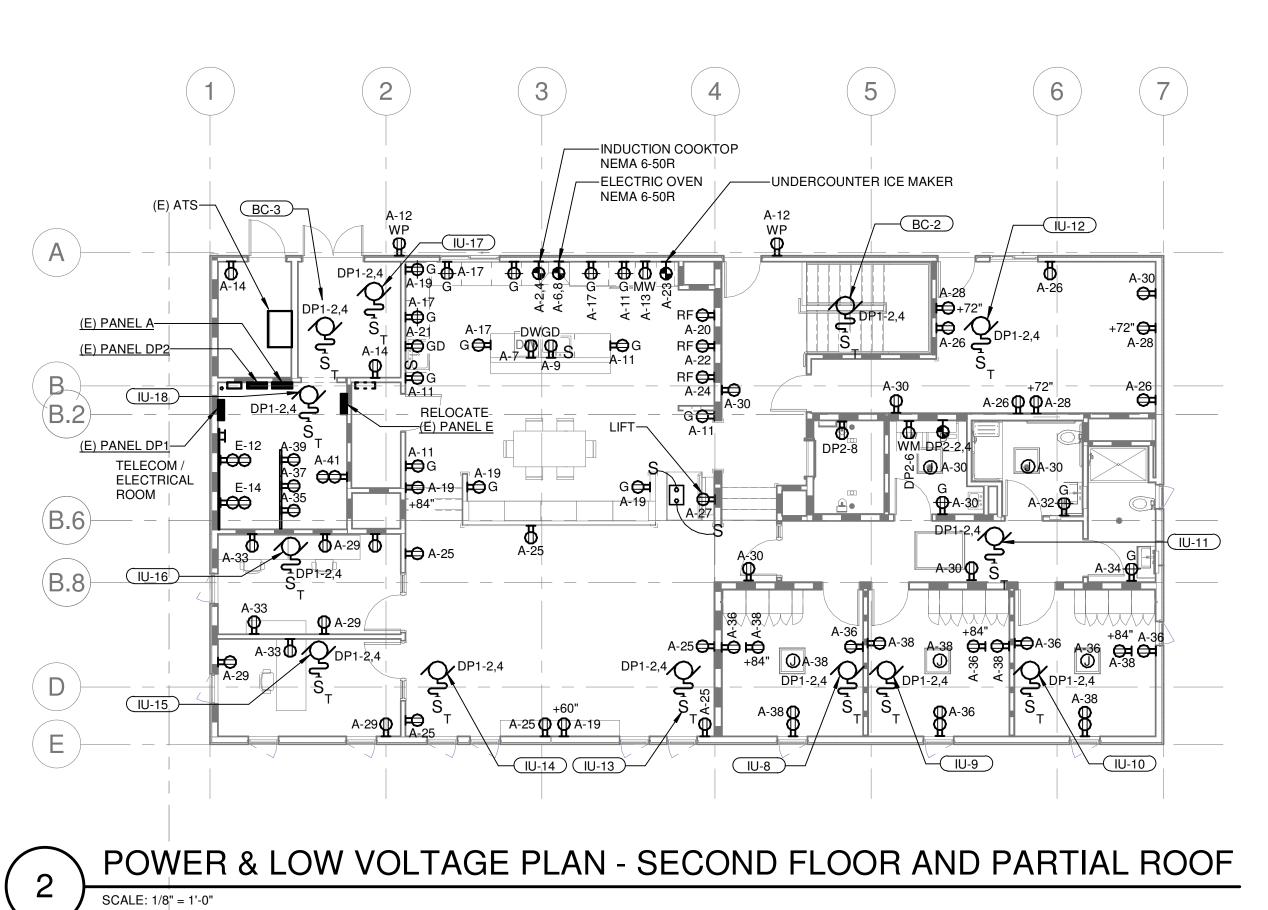
LIGHTING PLANS





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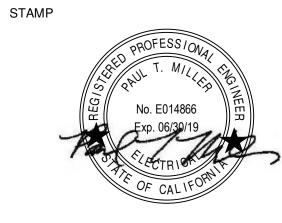
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consulting engineers

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NO. DESCRIPTION 07-22-2022

PLAN CHECK REVISION 07-22-2022

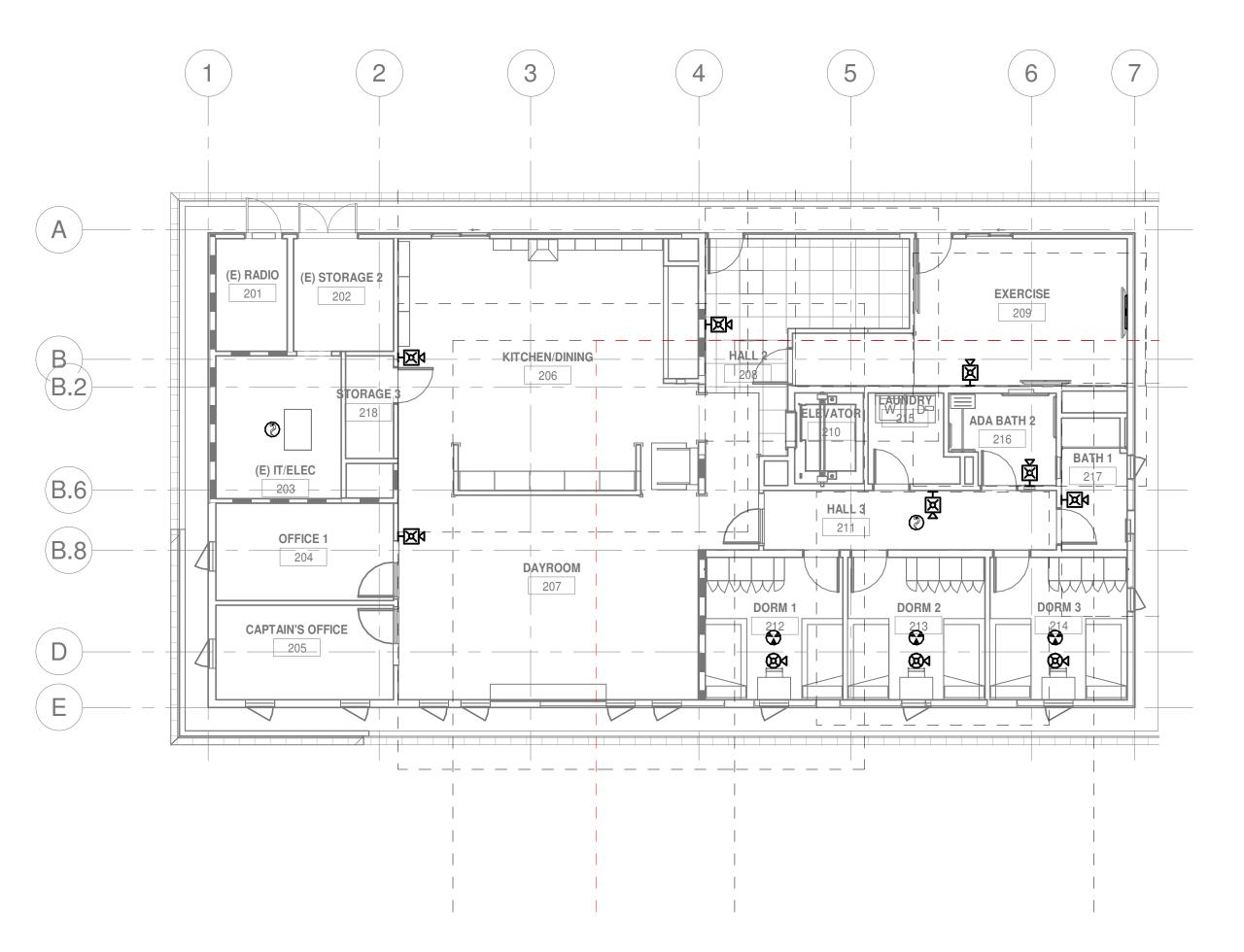
JOB NO.

DESCRIPTION

POWER AND LOW VOLTAGE PLANS



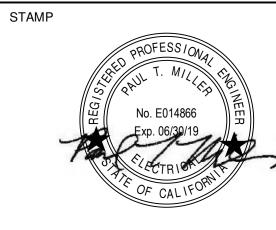
01_Fire_RCP SCALE: 1/8" = 1'-0"



The Engineering Enterprise **CONSULTING ENGINEERS** ALAMEDA | AUBURN SAN DIEGO | SANTA BARBARA

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DESCRIPTION

FIRE ALARM PLANS

E401

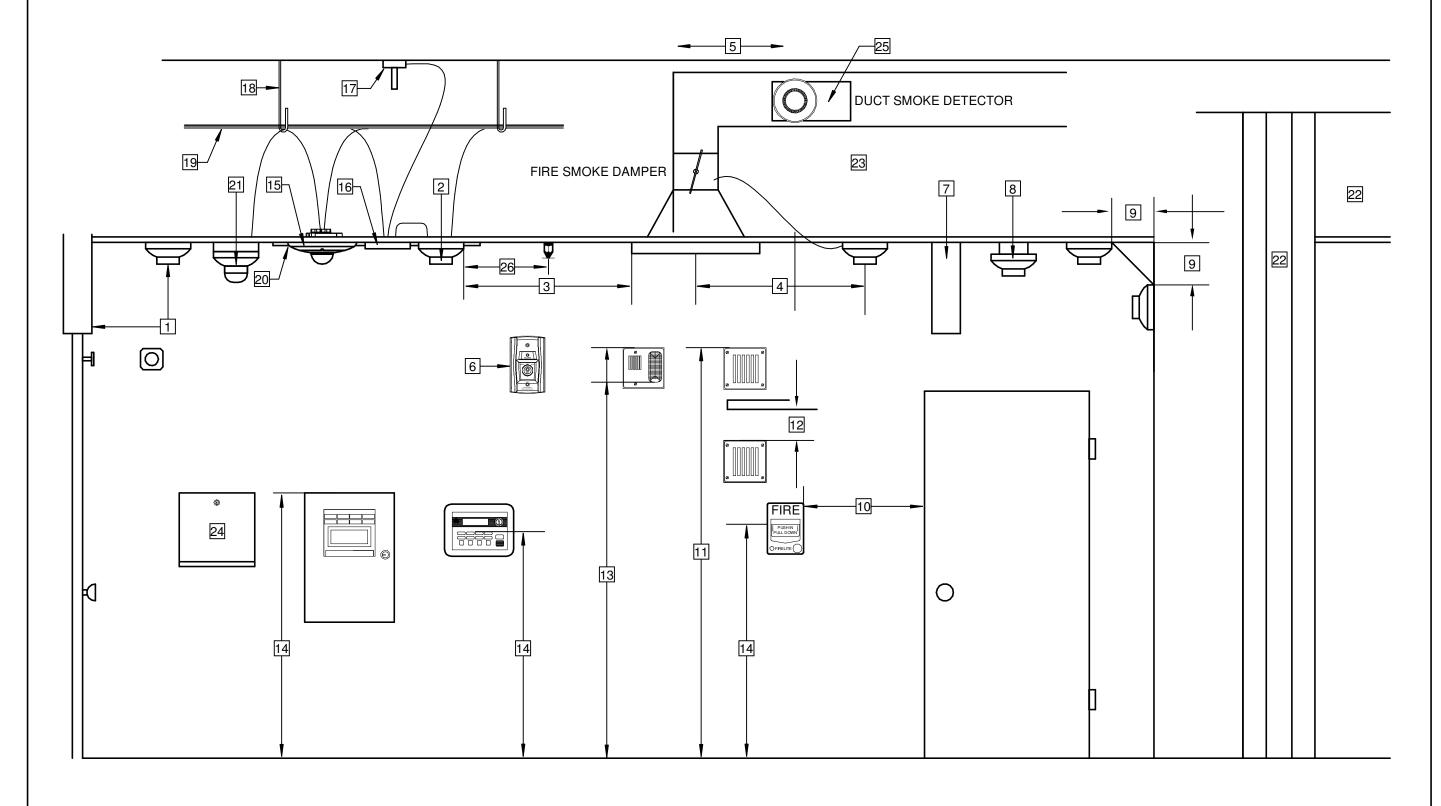
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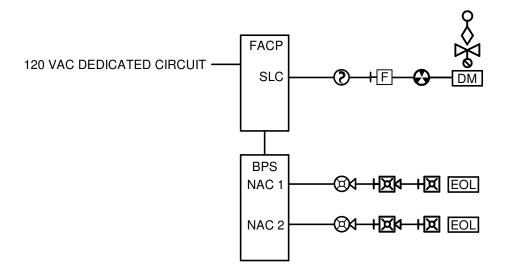
SCALE: 1/8" = 1'-0"

FIRE ALARM SYSTEM MATRIX												
	PULL STATION	SMOKE DETECTOR	HEAT DETECTOR	WATER FLOW SWITCH	TAMPER SWITCH	OPEN/SHORT CIRCUIT	GROUND FAULT	A/C LOSS	BATTERY TROUBLE	SYSTEM SILENCE	SYSTEM RESET	SMOKE DUCT
ALARM AT FACP & REMOTE ANNUNCIATOR(S)	Х	Х	X	Х								Х
SUPERVISORY AT FACP & REMOTE ANNUNCIATOR(S)					х							
TROUBLE AT FACP & REMOTE ANNUNCIATOR(S)						X	Х	Х	X			
REPORT EVENT TO OFFSITE SUPERVISING STATION	Х	Х	Х	Х	Х	Х	Х	Х	X			Х
ACTIVATE EVACUATION SIGNALS	Х	Х	Х	Х								X
DEACTIVATE VOICE MESSAGES										X	Х	
DEACTIVATE VISUAL SIGNALS											X	
RESET FACP TO NORMAL CONDITION											х	
HVAC	Χ	X	X									X

FIRE ALARM DEVICE MOUNTING DETAIL NOTES

- MOUNT DOOR HOLDER SMOKE DETECTOR MAXIMUM 3' FROM DOOR AND A MINIMUM OF 1' FROM DOOR.
- 2 NFPA 72 17.7.3.2.3.1 ON SMOOTH CEILINGS, SPACING FOR SMOKE DETECTORS SHALL BE IN ACCORDANCE WITH ONE OF THE FOLLOWING REQUIREMENTS:
- 1. THE DISTANCE BETWEEN SMOKE DETECTORS SHALL NOT EXCEED SPACING OF 30'. 2. ALL POINTS ON THE CEILING SHALL HAVE A DETECTOR WITHIN A DISTANCE EQUAL TO
- 3 NFPA 72 17.7.4.1 MOUNT SMOKE DETECTOR MINIMUM OF 3' AWAY FROM DIFFUSER VENT.
- 4 MOUNT SMOKE DETECTOR FOR FIRE SMOKE DAMPER (FSD) WITHIN 3' OF SUPPLY VENT.
- 5 DUCT SMOKE DETECTOR SHALL BE MOUNTED 6 TO 10 TIMES THE DIAMETER OF DUCT FROM BEND
- 6 NFPA 72 17.4.7 WHERE FIRE DETECTORS ARE INSTALLED IN CONCEALED LOCATIONS MORE THAN 10' AFF OR IN ARRANGMENTS WHERE THE DETECTOR'S ALARM OR SUPERVISORY INDICATOR IS NOT VISIBLE TO RESPONDING PERSONNEL. DETECTORS SHALL BE PROVIDED WITH A REMOTE INDICATOR OR SUPERVISORY INDICATION ACCEPTABLE WITH AUTHORITY HAVING JURISDICTION (AHJ).
- 7 NFPA 72 17.7.3.2.4.2 BEAM POCKET SPOT DETECTOR ARE REQUIRED FOR BEAMS GREATER THAN 18" BELOW CEILING AND SPACED MORE THAN 8' ON CENTER. EACH BAY FORMED BY BEAM SHALL BE TREATED AS A SEPARATE AREA. BEAMS LESS THAN 12" IN DEPTH AND SPACED LESS THAN 8' ON CENTER SHALL HAVE DETECTORS INSTALLED ON THE BOTTOM OF THE BEAM. OR, CEILINGS WITH BEAM DEPTHS LESS THAN 10 PERCENT OF THE CEILING HEIGHT, SMOOTH CEILING SPACING IS PERMITTED AND DETECTORS PLACED ON THE BOTTOM OF THE BEAM. BEAMS EQUAL TO OR GREATER THAN 10 PERCENT OF CEILING HEIGHT WITH BEAM SPACING GREATER THAN 40 PERCENT OF CEILING HEIGHT, SPOT DETECTORS SHALL BE LOCATED IN EACH CELL.
- 8 NFPA 72 17.6.3.3.1.1 BEAMS PROJECTING LESS THAN 4" SHALL BE TREATED AS A SMOOTH CEILING.
- 9 NFPA 72 17.6.3.1.3.1 SMOKE DETECTORS SHALL BE MOUNTED ON THE CEILING MINIMUM 4" FROM WALL, AND 4" MINIMUM TO 12" MAXIMUM FROM CEILING MOUNTED ON WALL.
- 10 NFPA 72 17.14.5 THE OPERABLE PART OF A MANUALLY ACTUATED ALARM-INITIATING DEVICE SHALL NOT BE LESS THAN 42" AFF AND NOT MORE THAN 48" AFF. NFPA 72 17.14.8.4 MANUAL FIRE ALARM BOXES SHALL BE LOCATED WITHIN 5' OF EACH EXIT DOORWAY ON EACH FLOOR.
- 11 NFPA 72 18.4.8.1 MOUNT EXTERNAL HORN AT 90" MINIMUM AND 100" MAXIMUM TO THE TOP OF THE DEVICE.
- NFPA 72 18.5.5.2 WHERE LOW CEILING HEIGHTS DO NOT PERMIT WALL MOUNTING AT A MINIMUM OF 80", WALL MOUNTED VISIBLE APPLIANCES SHALL BE MOUNTED WITHIN 6" OF THE CEILING.
- 13 NFPA 72 18.5.5.1 WALL MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AFF AND NOT GREATER THAN 96" AFF.
- [14] CBC 1117B.0 (3) MOUNT FIRE ALARM CONTROL PANELS AND ANNUNCIATORS AT A MAXIMUM OF 48" TO THE TOP OF THE CONTROL PANEL OR KEY BOARDS.
- 15 CEILING MOUNTED HORN / SPEAKER STROBE
- 16 MONITOR MODULE
- 17 RATE OF RISE HEAT DETECTOR, MOUNTED IN ABOVE CEILING / ATTIC SPACE.
- 18 APPROVED WIRE MANAGEMENT, ie J-HOOK OR D-RING.
- 19 ABOVE CEILING CIRCUITS ROUTING IN AN ACCESSIBLE ATTIC SPACE.
- NON-ACCESSIBLE CEILINGS MUST USE EITHER EMT OR APPROVED WIREMOLD RACEWAY, AS SHOWN ON PLANS.
- 21 MULTI-CRITERIA PHOTOELECTRIC SMOKE / CO DETECTOR WITH SOUNDER BASE. MOUNT IN AREAS WHERE FOSSIL FUEL IS USED.
- 22 NFPA 72 17.5.3.1.1 IN ACCESSIBLE SPACES THAT DO NOT MEET THIS CRITERIA MUST BE MADE ACCESSIBLE AND DETECTION MUST BE INSTALLED.
- SMOKE / HEAT DETECTION COVERAGE IS REQUIRED IN ALL COMBUSTIBLE AREAS. UNLESS: A. CEILING IS ATTACHED DIRECTLY TO THE UNDERSIDE OF THE SUPPORTING BEAM OR ROOF DECK. B. CONCEALED SPACE IS ENTIRELY FILLED WITH NON-COMBUSTIBLE INSULATION. :. THE SMALL CONCEALED SPACE OVER ROOMS THAT DO NOT EXCEED 50 SQ. FT. IN AREA. D. SPACES FORMED BY FACING STUDS OR SOLID JOISTS IN WALLS, FLOORS, OR CEILINGS WHERE THE FACING STUD OR SOLID JOIST IS LESS THAN 6".
- NFPA 72 17.5.3.1.4 DETECTION FOR CONCEALED ACCESSIBLE SPACES ABOVE SUSPENDED CEILING USED AS A RETURN PLENUM SHALL BE PROVIDED AT EACH CONNECTION FROM RETURN AIR PLENUM
- 24 NFPA 72 7.7.2 WITH EVERY NEW FIRE ALARM SYSTEM A DOCUMENTATION CABINET SHALL BE INSTALLED AT THE FIRE ALARM CONTROL PANEL OR AT ANOTHER LOCATION APPROVED BY AHJ. THE CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS".
- 25 NFPA 90A 6.4.2.1 SMOKE DETECTORS LISTED FOR USE IN AIR DISTRIBUTION SYSTEMS SHALL BE LOCATED AS FOLLOWS: DOWNSTREAM OF THE AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS IN AIR SUPPLY SYSTEMS HAVING A CAPACITY GREATER THAN 2000 CFM.
- 26 SMOKE DETECTORS SHALL NOT BE CLOSER THAN 1' FROM SPRINKLERS.





FIRE ALARM RISER DIAGRAM

FIRE ALARM NOTES

- WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- STATE CALIFORNIA CODE OF REGULATIONS (CCR) 2019 TITLE 24 CALIFORNIA BUILDING CODE
- PART 2, 2019 CALIFORNIA BUILDING CODE (CBC) PART 3, 2019 CALIFORNIA ELECTRICAL CODE (CEC), 2019 NEC.
- PART 4, 2019 CALIFORNIA MECHANICAL CODE (CMC)
- PART 5. 2019 CALIFORNIA PLUMBING CODE (CPC) PART 9, 2019 CALIFORNIA FIRE CODE (CFC)
- 2016 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13, 72, 80, 90A, 99, AND 101.
- INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTATION AND SPECIFICATION, INCLUDING STATE FIRE MARSHALL LISTING SHEETS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY THE STATE FIRE MARSHALL
- UPON COMPLETION OF INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE STATE FIRE MARSHALL.
- A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OF RECORD.
- ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/ OR TESTING.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES, REQUIRING OPENING PROTECTION SHALL BE
- AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBLES (Dba) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 Dba ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIED SPACE WITHIN THE BUILDING.
- AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.

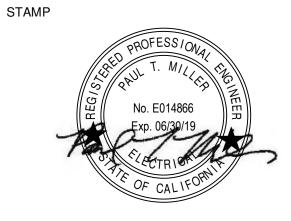
PROVIDED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM SECTION.

- 10. THE CONTRACTOR SHALL ADJUST/INSTALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- UNDERGROUND AND EXTERIOR CONDUIT SHALL HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
- ALL FIRE ALARM WIRING SHALL BE FPL (FIRE POWER LIMITED) OR FPLP (FIRE POWER LIMITED
- PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED
- DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
- 15. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION OF NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL AREA IS READY TO BE TURNED OVER TO THE OWNER.
- 16. ALL FIRE ALARM CIRCUITS ARE TO BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE THE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON THE DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN
- FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- 18. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM A COMMON USE AREA PANEL AND SHALL HAVE OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXPANDERS.
- 19. THE INSTALLER CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72, FIGURE
- 20. CONTROL PANELS, REMOTE ANNUNCIATORS SHALL BE MOUNTED WITH THE TOP OF THE CONTROL
- DEVICE OR KEYPAD TO BE A MAXIMUM OF 48". 21. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY
- MONITORING PER CBC SECTION 901.6.2. 22. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN
- CONJUNCTION WITH FINAL ACCEPTANCE TEST.
- 23. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR
- 24. THE FIRE ALARM SYSTEM SHALL CONFORM TO 2019 CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE
- 760 AND 2016 CALIFORNIA FIRE CODE (CFC) SECTION 907. 25. BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT TO THE STATE FIRE MARSHALL TO THE EFFECT THAT THE
- SYSTEM HAS BEEN INSTALLED AND TESTED IN ACCORDANCE WITH THE 2016 NFPA 72 SECTION 14.4.1
- 26. PROVIDE A RECORD OF COMPLETION PER NFPA 72 CHAPTER 7.5.6. 27. AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AND CBC 907.6.5.2. THE
- SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUIS BY UL OR SHALL MEET THE REQUIREMENTS OF FM STANDARDS 3011.
- 28. TEST, INSPECTION AND MAINTENANCE SHALL COMPLY WITH NFPA 72 CHAPTER 14 REQUIREMENTS. 29. EACH BUILDING TO BE A SEPARATE SPEAKER ZONE. (CFC 907.63).
- 30. FIRE ALARM DESIGN IS DIAGRAMMATICAL ONLY.
- 31. FULL DESIGN PROVIDED BY DESIGN BUILD CONTRACTOR AS DEFFERED SUBMITAL.



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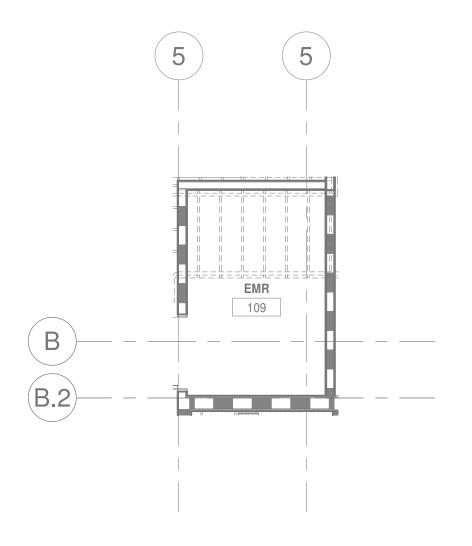
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FIRE ALARM RISER AND DETAILS

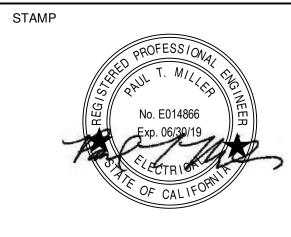




ELEVATOR MACHINE ROOM - GROUND FLOOR SCALE: 1/4" = 1'-0"



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DESCRIPTION JOB NO.

DESCRIPTION ENLARGED PLANS AND DETAILS



GENERAL NOTES

1. GENERAL REQUIREMENTS

- REFER TO THE SPECIFICATIONS FOR COMPLETE REQUIREMENTS.
- LOCATION SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATION SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS
- DEVICE QUANTITIES SHOWN ON THE FLOOR PLANS AND REFLECTED CEILING PLAN TO TAKE PRECEDENCE OVER THE DEVICE QUANTITY SHOWN ON SINGLE-LINE AND FUNCTIONAL BLOCK DIAGRAMS
- QUANTITIES SHOWN ON THE FUNCTIONAL BLOCK D DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE RACK ELEVATIONS.
- QUANTITIES SHOWN IN THE DEVICE SCHEDULES TAKE PRECEDENCE OVER THE QUANTITY SHOWN ON THE SINGLE-LINE DIAGRAMS, FLOOR PLANS AND
- LOCATION SHOWN ON THE LARGE-SCALE DRAWINGS F TAKE PRECEDENCE OVER LOCATION SHOWN ON SMALL-SCALE DRAWINGS.

REFLECTED CEILING PLANS

KEY NOTES APPEARING WITHIN A KEYNOTE FIELD BUT G. NOT REFERENCED WITHIN A GIVING DRAWING SHALL BE CONSIDERED AS GENERAL NOTES

WHERE AUDIOVISUAL SYSTEMS WIRING IS INDICATED WHERE RACEWAY IS NOT INDICATED, PROVIDE SUCH WIRING SUPPORT ABOVE CEILING VIA J-HOOKS.

H. LOCATE SUCH HOOKS IN LOCATIONS THAT ARE ACCESSIBLE AS DEFINED BY THE CALIFORNIA ELECTRICAL CODE. DOCUMENT LOCATION ON RECORD DRAWINGS.

2. COORDINATE

COORDINATE WITH THE WORK OF ALL SECTIONS OF THIS CONTRACT AND WITH ALL SEPARATE CONTRACTS. COORDINATE THE LOCATIONS OF

- BLOCKING, BACKING AND SUPPORT SYSTEMS REQUIRED. MAKE REASONABLE MINOR MOVES TO PRESERVE ARCHITECTURAL SYMMETRY AND ALIGNMENT WITH NO CLAIM FOR ADDITIONAL COST OR TIME.
- PRESENT CONFLICTS TO THE PROJECT MANAGER IN A TIMELY MANNER FOR RESOLUTION
- RELOCATION, REVISION OR CORRECTION CAUSED BY THE FAILURE OF THE CONTRACTOR TO COORDINATE THE WORK SHALL NOT BE SUBJECT FOR CLAIM FOR ADDITIONAL COST OR TIME.

3. PENETRATIONS

AT PENETRATIONS OF RATED ASSEMBLIES REQUIRING OPENING PROTECTION PROVIDE A THROUGH

- A. PENETRATION FIRE STOP THAT HAS AN T AND F RATING AT LEAST EQUAL TO THAT OF THE ASSEMBLY PENETRATED REFER TO ARCHITECTURAL PLANS FOR CONSTRUCTION AND RATING OF DEMISING
- B. PARTITIONS. WHERE NOT INDICATED, ASSUME ALL INTERIOR WALLS EXTEND TO THE STRUCTURE OF THE FLOOR ABOVE.

4. SUPPORT

PROVIDE ALL BLOCKING, BRIDGE, TIES, FASTENERS AND RELATED SUPPORT PROVISIONS FOR

- COMMUNICATION SYSTEMS WORK. COMPLY WITH A. APPLICABLE CODE REQUIREMENTS FOR MEANS OF SUPPORT OF ELECTRICAL EQUIPMENT OF THE SAME WEIGHT UNDER THE SAME MOUNTING CONDITIONS.
- DO NOT APPLY ANY LOAD TO BUILDING STRUCTURE WITHOUT FIRST OBTAINING WRITTEN APPROVAL OF THE PROJECT MANAGER. OBTAIN PER PROJECT PROCEDURES.
- 5. BOX, PANEL AND ENCLOSURE INSTALLATION
 - COORDINATION: COORDINATE THE LOCATION OF ALL BOXES, PANELS, ENCLOSURES AND RELATED A. RACEWAY WITH THE WORK OF ALL SECTIONS IN THIS CONTRACT AND IN ALL SEPARATE CONTRACTS.
 - ACCESS: VERIFY ACCESS TO BOXES, PANELS AND ENCLOSURES COMPLIES WITH THE APPLICABLE CODE. IN CASE OF APPARENT CONFLICT OR AMBIGUITY. SUBMIT IN A TIMELY MANNER FOR RESOLUTION.

ALIGNMENT: INSTALL BOXES, PANELS, AND ENCLOSURES SQUARE AND PLUM. SET FLUSH MOUNTED UNIT SO THAT THE FACE OF THE COVER, BEZEL OR ESCUTCHEON IS IN THE SAME PLANE AS THE C. SURROUNDING FINISHED SURFACE. MOUNT BOXES, PANELS AND TRIM SO THAT THERE ARE NO GAPS, CRACKS OR OBVIOUS LINES BETWEEN THE TRIM IN

TYPE: UNLESS OTHERWISE NOTED PROVIDE STEEL D BOXES. PANELS AND ENCLOSURES. COMPLY WITH DIVISION 27 REQUIREMENTS AND APPLICABLE CODE

THE ADJACENT FINISHED SURFACE.

- SIZE: PROVIDE THE LARGEST OF THE SIZE REQUIRED
- BY CODE. SIZE REQUIRED BY APPLICABLE STANDARDS FOR TABLE RADIUS OR AS INDICATED ON THE DRAWINGS, WHICHEVER IS LARGER. PROVIDE BLANK COVERS OR PLATES AT BOXES AND
- ENCLOSURES WERE NO DEVICES ARE INDICATED. MATCH OTHER PLATES IN AREA, EXISTING OR NEW AS APPLIES.

6. RACEWAY

PROVIDE RACEWAY TYPE AND QUANTITY AS INDICATED IN WIRING NOTES, PLAN NOTES, PLAN KEYNOTES OR AS OTHERWISE INDICATED. COMPLY

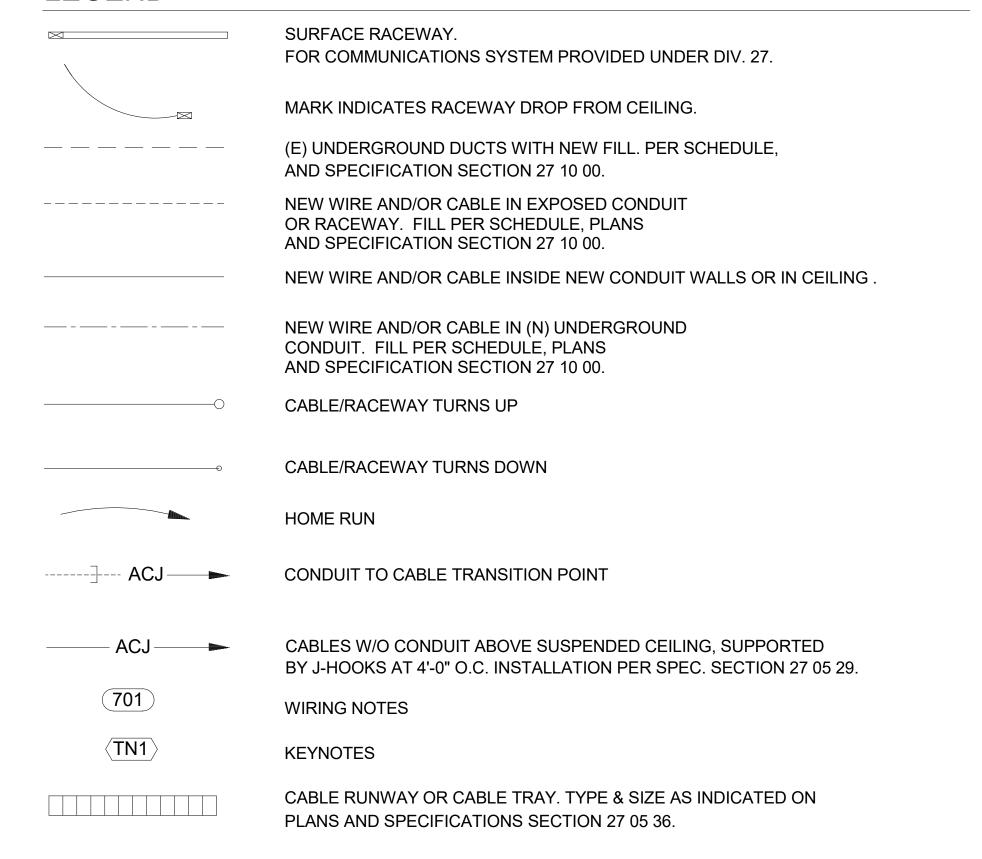
- WITH THE MOST RESTRICTIVE REQUIREMENTS OF DIVISION 27 FOR WIRING OF THE APPLICABLE CLASS IN THE APPLICABLE LOCATION. IN THE EVENT OF CONFLICT, PROVIDE A LARGER SIZE OR QUANTITY AS APPLIES.
- FOR COMMUNICATION SYSTEMS, UNLESS OTHERWISE NOTED PROVIDE RACEWAY WITH CROSS-SECTIONAL AREA EQUIVALENT TO 1 INCH DIAMETER TRADE SIZE FOR COMMUNICATION STATION CABLING.
- PULL BOXES: PROVIDE AS REQUIRED BY THE MOST RESTRICTIVE OF THE APPLICABLE CODE WITH THE PROVISIONS OF DIVISION 27. COORDINATE WITH WIRING CABLE BEND RADIUS.

7. GROUNDING AND BONDING

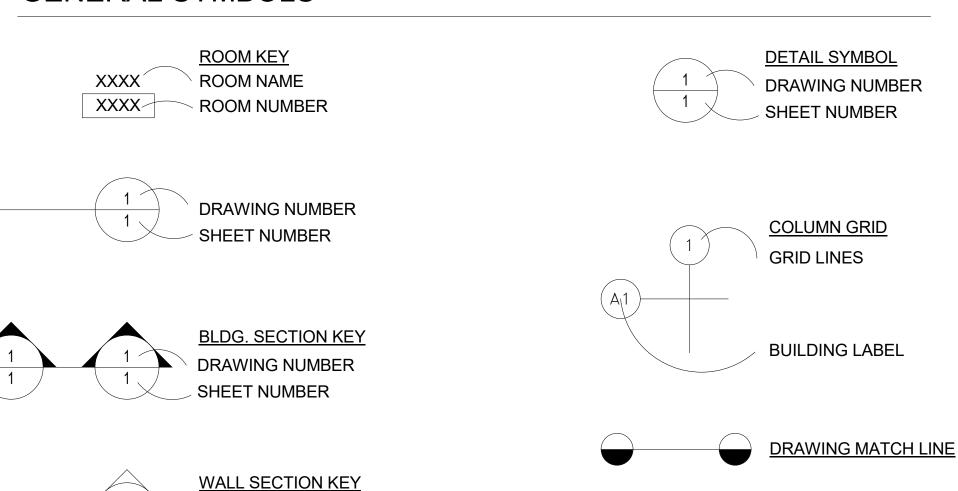
COMPLY WITH ALL APPLICABLE CODES AND SECTION

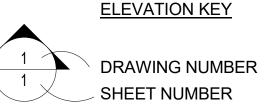
- 27 05 26. REFER TO THE CALIFORNIA ELECTRICAL CODE AND RELATED REFERENCES THEREIN COMPLY WITH THE MOST RESTRICTIVE.
- ALL CONDUCTIVE RACEWAY, RUNWAY, TRAY AND RELATED BOXES, PANELS AND ENCLOSURES AND CABINETS AS REQUIRED BY APPLICABLE CODE AND DIVISION 27.

LEGEND



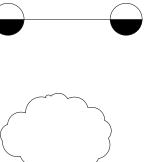
GENERAL SYMBOLS





DRAWING NUMBER

SHEET NUMBER



REVISION SYMBOL

REVISION NUMBER

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER

BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

By: ROSALINA ACUFF



www.sfmi.com info@sfmi.com STAMP

(415) 255-9140 Fax (415) 255-9180

RAY ENRIQUEZ

REGIS. NO. 106011

EXPIRES 12/31/2022

03/11/2021

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

BKF ENGINEERS

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

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

LIST ENGINEERING CO.

2 HARRIS CT STE A7

MONTEREY, CA 93940

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

DESCRIPTION ISSUED FOR PERMIT 04/01/2021

JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

GENERAL NOTES, SYMBOLS AND LEGEND





1IDP 1" INNERDUCT, PLENUM RATED 2IDP 2" INNERDUCT, PLENUM RATED C6PP

CATEGORY 6 PATCH PANEL. FOH-P FIBER OPTIC CABLE HYBRID, PLENUM RATED

FIBER OPTIC CABLE HYBRID, OUTSIDE PLANT RISER RATED FOM-OPR FIBER OPTIC CABLE, MULTI MODE OUTSIDE PLANT RISER RATED

FOS-OP FIBER OPTIC CABLE, SINGLE MODE OUTSIDE PLANT RISER FIBER OPTIC CABLE, SINGLE MODE OUTSIDE PLANT RISER RATED FOS-OPR

FOS-R FIBER OPTIC CABLE, SINGLE MODE RISER

FPP FIBER PATCH PANEL FSC FIBER SPLICE CLOSURE FSP FIBER SPLICE PANEL FTB FIBER TERMINAL BOX

INTERMEDIATE DISTRIBUTION FACILITY

MDF MAIN DISTRIBUTION FACILITY. MULTI MODE OPTICAL FIBER MMP MULTIMEDIA PLATE MPOE MINIMUM POINT OF ENTRY OUTSIDE PLANT

SM SINGLE MODE OPTICAL FIBER

TB15 TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.

T.C. TELECOMMUNICATIONS CLOSET

T-IDW TELEPHONE, CABLE, INSIDE DISTRIBUTION WIRE T-IDW-R TELEPHONE, CABLE, INSIDE DISTRIBUTION WIRE RISER

T-OPD TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY

UTP6-4 UNSHIELDED TWISTED PAIR, CAT. 6

UNSHIELDED TWISTED PAIR, CAT. 6 PLENUM UNSHIELDED TWISTED PAIR, CAT. 6 OUTSIDE PLANT

110 TERMINAL BLOCK, CAT.5, XX-NO OF PAIRS

110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR,

XX- NO OF PAIRS

NOTES:

AV FUNCTIONALS LEGEND

DENOTES SEQUENCE NUMBER

Loudspeake and Specific	\'	RR	REPEAT RELAY
	← Loudspeaker quantity ← 70V power tap	—XF —XM	XLR CONNECTOR, 3 PIN, FEMALE; MALE
		—4F) —4M)	XLR CONNECTOR, 4 PIN, FEMALE; MALE
Loudspeake	er reference number	-ASF-ASM	AUDIO SPEAKER CONNECTOR, FEMALE; MALE
BM	TRANSFORMER BALANCED, LINE INPUT MODUL	F —B	BNC CONNECTOR, 75 OHMS IMPEDANCE
DIVI	PRIORITY MUTE GENERATING		DIN CONNECTOR, MIDI STANDARD
MBI	TRANSFORMER BALANCED, MIC INPUT MODULE PRIORITY MUTE GENERATING	<u> </u>	1/4" PHONE CONNECTOR
VBI	TRANSFORMER BALANCED, LINE INPUT MODUL	E CO	TRIPLE FIVE WAY BINDING POSTS
VDI	PRIORITY MUTE RECEIVING, ADJUSTABLE MUTE	Ē LE <u>VEL</u>	TYPE "F" CONNECTOR
K	RELAY COIL	`	RESISTIVE TERMINATION AT CIRCUIT
VC-R	70 WATT PRIORITY ATTENUATOR, RACK MOUNT	·ED	CHARACTERISTIC IMPEDANCE
			WIRING CONTINUES AS INDICATED
0 0—	PUSH BUTTON SWITCH		WIRING HOME RUN AS INDICATED
$_{\circ} \!$	MOMENTARY PUSH BUTTON SWITCH	*	FLY-ON OR FLY-OFF POINT
• • •	SWITCH	©	TUBULAR CLAMP BARRIER BLOCK, SWITCH BLOCK SECTION QUANTITY AS REQUIRED BY CIRCUIT
,°—	SWITCH	-\$VM-\$VF	S-VIDEO CONNECTOR, MALE; FEMALE
•——	NORMALLY OPEN CONTACT	—RF —RM	TYPE RCA AUDIO OR VIDEO CONNECTOR, FEMALE; MALE
l V	NORMALLY CLOSED CONTACT	<u> </u>	SCREW TERMINAL
	NONWALL I GLOGLD CONTACT	—(MF) —(MM)	TRS MINI STEREO AUDIO CONNECTOR, FEMALE; MALE.
NOTEO			

NOTE: SEE SPECIFICATION SECTIONS FOR

REQUIREMENTS. FOR OTHER MATERIAL AND

EQUIPMENT TYPES REFER TO SPECIFICATIONS.

REFERENCE DESCRIPTIONS AND

1SR-1 3SR-2.5	SINGLE CHAMBER SURFACE RACEWAY THREE CHAMBER SURFACE RACEWAY
35R-2.5 A.D.A.	AMERICANS WITH DISABILITIES ACT
ADF	AREA DISTRIBUTION FACILITY
A.F.C.	ABOVE FINISHED CEILING
A.F.F. ALT	ABOVE FINISHED FLOOR ALTERNATE
A.M.F.F.	ABOVE MEZZANINE FINISHED FLOOR
BDF B.F.C.	BUILDING DISTRIBUTION FACILITY BELOW FINISHED CEILING
BLDG.	
3.O.H.	BACK OF HOUSE
C. CAT.	CONDUIT CATEGORY
CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
СОММ.	COMMUNICATIONS
C.L.	CENTERLINE
C.O.	CONDUIT ONLY
CONT.	CONTINUATION
CS	COMMUNICATIONS SYSTEM
(D)	DEMOLISH EXISTING
DED DIA	DEDUCTIVE
□, DIA. DIV	DIAMETER DIVISION
	EXISTING
(E) 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
IDF.	INTERMEDIATE DISTRIBUTION FACILITY
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. NTS	
0.C.	
O.D.	
O.F.E.	
OPP.	OPPOSITE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
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:	
REF.	
SIM.	SIMILAR
SM	SINGLE MODE OPTICAL FIBER
SN	SHEET NOTE
SP SDEC	SHIELDED PAIR - SEE SPECIFICATIONS
SPEC S.R.	SPECIFICATION SURFACE RACEWAY
S.K. STD	STANDARD
STP	SHIELDED TWISTED PAIR
TEL	TELEPHONE
	TELECOMMUNICATIONS
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
T-OPD	TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY
TP	TWISTED PAIR
TR	TELECOMMUNICATIONS ROOM
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W/	WITH
W/D	WEATHEDDDOOE

WEATHERPROOF

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

SUFFIX:

NONE - NEMA 1 C - NEMA 4 D - NEMA 4X A - NEMA 12

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.

> CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION**

> > BICA22-004407

10:13 am, Aug 05, 2022

REVIEWED

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By: ROSALINA ACUFF

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03/11/2021

REGIS. NO. 106011 EXPIRES 12/31/2022

RAY ENRIQUEZ

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM CLIENT:

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

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

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

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

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

T: (415) 826-9626

CONTACT: HENRY TOORYANI

DESCRIPTION ISSUED FOR PERMIT 04/01/2021

JOB NO.

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

ABBREVIATIONS, LEGEND & JUNCTION BOX SCHEDULE

R10

UTP4-4P - REFER TO SINGLE LINE DIAGRAM. WORK OF NOTES PROVIDE CABLING AND ROUGH-IN UNDER WORK OF PROJECT -LIGHTING FIXTURE PROVIDED BY OWNER'S CONTRACTOR (N.I.C).. **LOCATION & ROUGH-IN NOTES** INSTALLED ASSEMBLY, INCLUDING MONITOR SHALL NOT PROJECT MORE THAN 4" FROM FACE OF WALL. IF LEADING LRI1 EDGE 27" TO 80" AFF MATCH PROJECT SWITCH HEIGHT

4S BOX W/ 1 GANG RING BLANK COVER PLATE

PROVIDE DEVICE COMPLETE WITH BACKBOX. TILE SUPPORT RAILS AND CEILING CUTOUT TEMPLATE. COMPLY WITH SECTION 09 50 11 ACOUSTICAL PANEL CEILINGS. PROVIDE BACKING IN WALL SUITABLE TO SUPPORT A 20 POUND DEVICE WITH A LOAD CENTROID 18 INCHES FROM THE FACE OF THE WALL PROVIDE BACKING IN WALL SUITABLE TO SUPPORT A 200 POUND DEVICE WITH A LOAD CENTROID 8 INCHES FROM THE FACE OF THE WALL. AS DETAILED AND/OR SCHEDULED ON THE ARCHITECTURAL DRAWINGS.

LRI12

LRI15

RACEWAY NOTES (4) 2" C. TO ABOVE ACCESSIBLE CEILING. IN ADDITION, PROVIDE END-TO-END CONDUIT FOR FIRE ALERT SYSTEM LOUDSPEAKER **DEVICES**

1" C. H.R. TO ACCESSIBLE CEILING OR TO IDF ROOM, U.O.N. R7 1-1/4" C. H.R. TO ACCESSIBLE CEILING OR TO IDF ROOM, U.O.N. R8 NOT USED R12 AT ACCESSIBLE CEILING, PROVIDE J-HOOKS. WHERE MOUNTED

IN GYP CEILING OR OPEN CEILING. PROVIDE 1" C. MINIMUM OR SIZE CONDUIT FOR 40% FILL. 2 1-1/4" C TO 4 GANG COMPARTMENT, 1 - 1" TO 1 GANG

COMPARTMENT. STUBBED TO ACCESSIBLE CEILING OR FLOOR EXTEND TO SERVER ROOM USING BASKET TRAY. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH-IN.

UNDER WORK OF SECTION 27 05 33. BOND TO GROUND. COMPLY WITH DIVISION 26 AND SECTION 27 05 26 GROUNDING.

(2) 1-1/4" C. AND (2) 1" C. STUBBED TO ACCESSIBLE CEILING OR FLOOR. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH-IN TO 3 GANG COMPARTMENT.

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

> **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO 10:13 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF



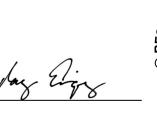
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RAY ENRIQUEZ

REGIS. NO. 106011 EXPIRES 12/31/2022

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03/11/2021

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PROJECT TEAM

CLIENT:

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

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

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

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

NO.	DESCRIPTION	DATE
	ISSUED FOR PERMIT	04/01/202

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

SYMBOL SCHEDULE

LRI3

LRI4

LRI5

LRI6

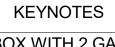
NOT USED

NOT USED

NOT USED

3 MEETING 111 - EAST ELEVATION 1/4" = 1'-0"

2 MEETING 111 - NORTH ELEVATION 1/4" = 1'-0"



PROVIDE A 4S BOX WITH 2 GANG RING AND BLANK TKN3015 FACEPLATE FLUSHED IN THE WALL, FOR FUTURE AV CAMERA. STUB 1"C. TO ACCESSIBLE CEILING. PROVIDE (1)1.5" C. DOWN TO A 5S BOX WITH 1 GANG TKN3020 RING AND BLANK FACEPLATE. INSTALL 5S BOX AT 18"

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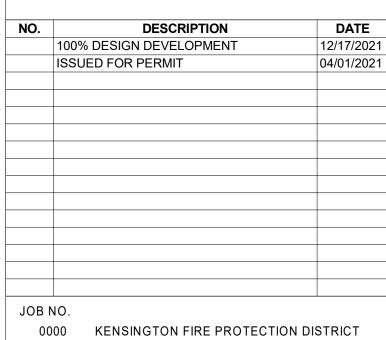
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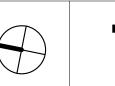
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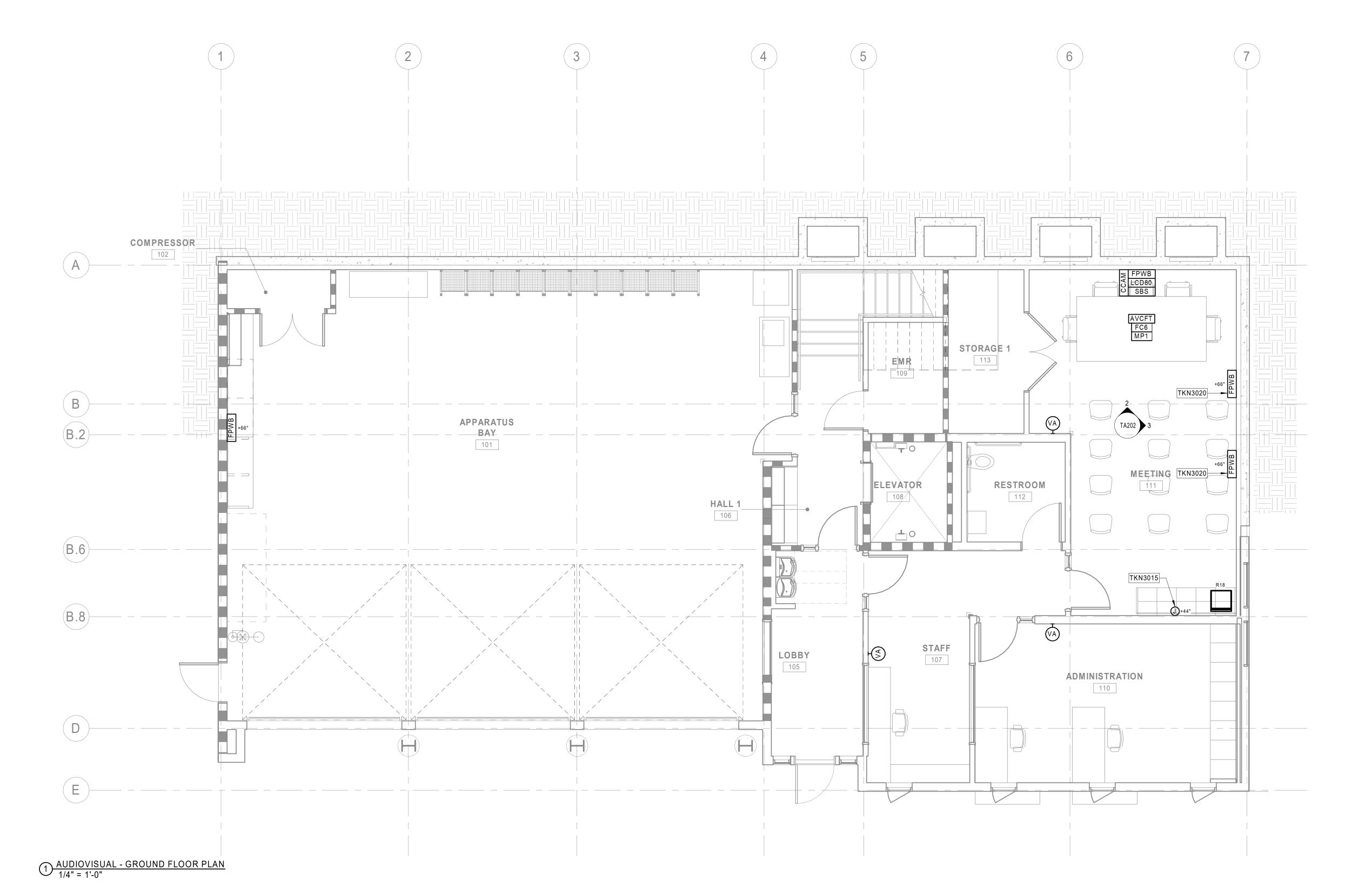
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

AUDIOVISUAL - GROUND FLOOR PLAN & **ELEVATIONS**

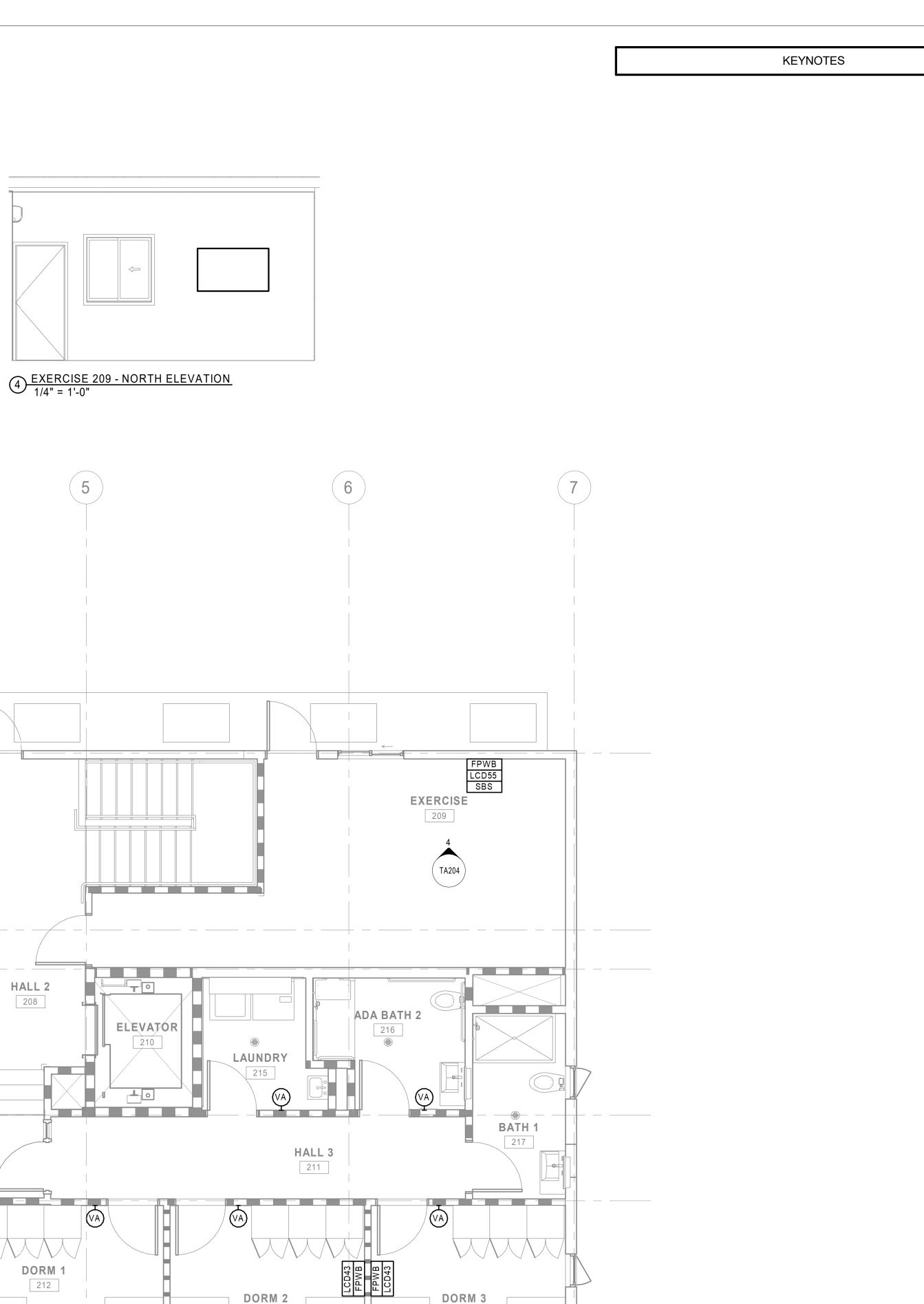


TA202



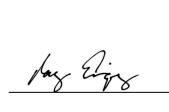
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HALEY ALDRICH GEOTECH: 1956 WEBSTER ST #300 OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544

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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

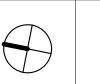
CONTACT: HENRY TOORYANI T: (415) 826-9626

NO.	DESCRIPTION	DATE
	100% DESIGN DEVELOPMENT	12/17/2021
	ISSUED FOR PERMIT	04/01/2021
JOB N	10.	

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

AUDIOVISUAL - SECOND FLOOR PLAN



TA204

B.2

(B.6)

B.8

(D

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

(E) RADIO

201

(E) IT/ELEC

203

OFFICE 1

CAPTAIN'S

OFFICE

STORAGE 2

202

STORAGE 3_

CBP

KITCHEN/DINING

206

DAYROOM 207

(TA204)

SBS LCD80 FPWB

HALL 2 208

DORM 1

212

213

214

CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION

PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

10:13 am, Aug 05, 2022

REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF

3 DAYROOM 207 - SOUTH ELEVATION 1/4" = 1'-0"

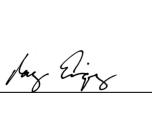
2 KITCHEN/DINING 206 -WEST ELEVATION 1/4" = 1'-0"

KEYNOTES

TKN3010 H.R. 3/4" C. TO RACK IN IT ROOM 203.



STAMP



03/11/2021 RAY ENRIQUEZ
REGIS. NO. 106011
EXPIRES 12/31/2022

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

T: (650) 394-8869

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400

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

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300

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

EP: LIST ENGINEERING CO.
2 HARRIS CT STE A7

T: (831) 373-4390

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MONTEREY, CA 93940 CONTACT: RON BLUE

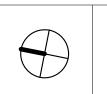
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

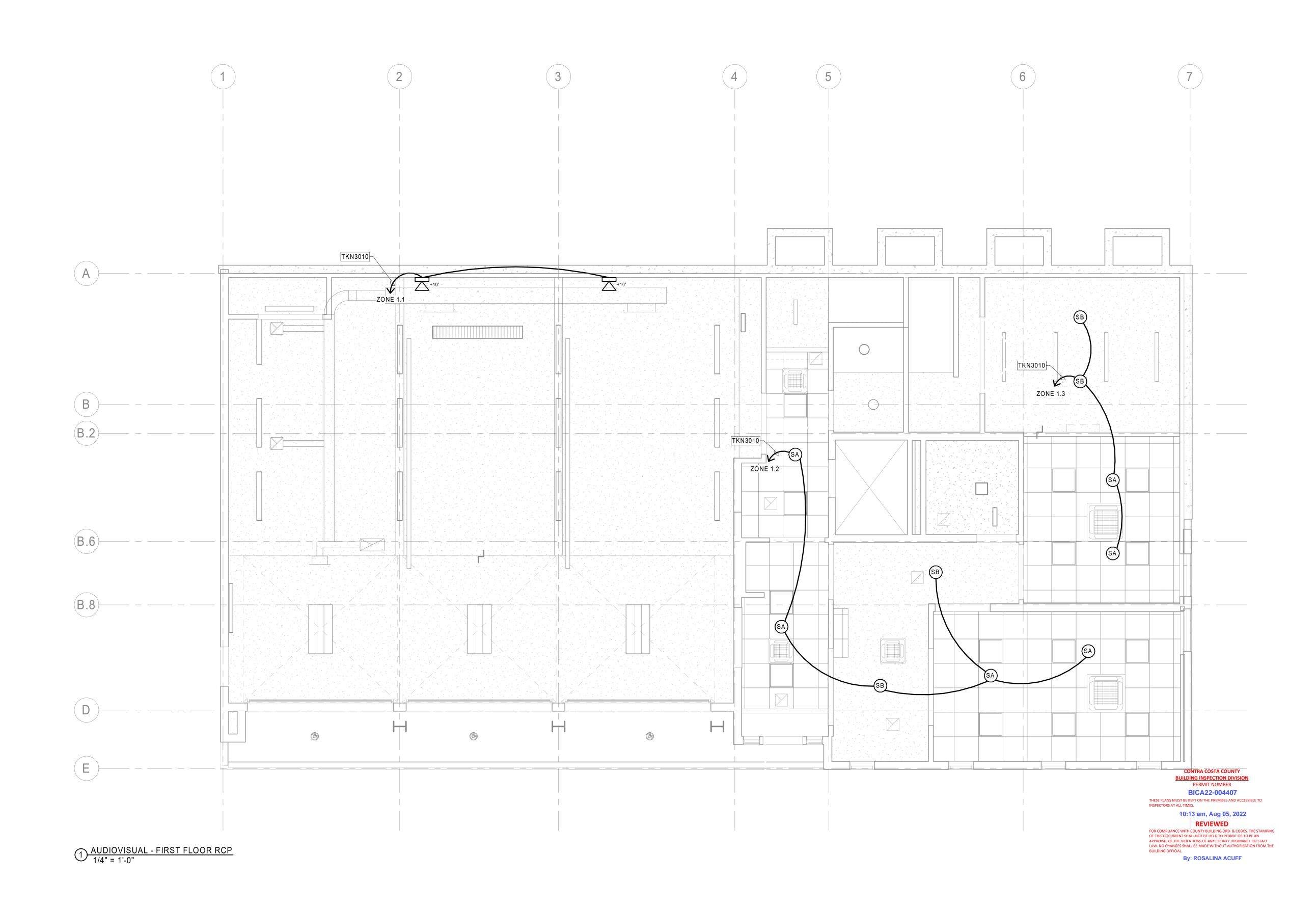
NO.	DESCRIPTION	DATE
	ISSUED FOR PERMIT	04/01/20

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

AUDIOVISUAL - FIRST FLOOR RCP





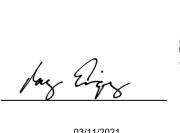
KEYNOTES

TKN3010 H.R. 3/4" C. TO RACK IN IT ROOM 203.



www.sfmi.com info@sfmi.com

STAMP



RAY ENRIQUEZ REGIS. NO. 106011

EXPIRES 12/31/2022

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

351 8TH STREET
SAN FRANCISCO, CA 94103
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LIST ENGINEERING CO. 2 HARRIS CT STE A7 MONTEREY, CA 93940

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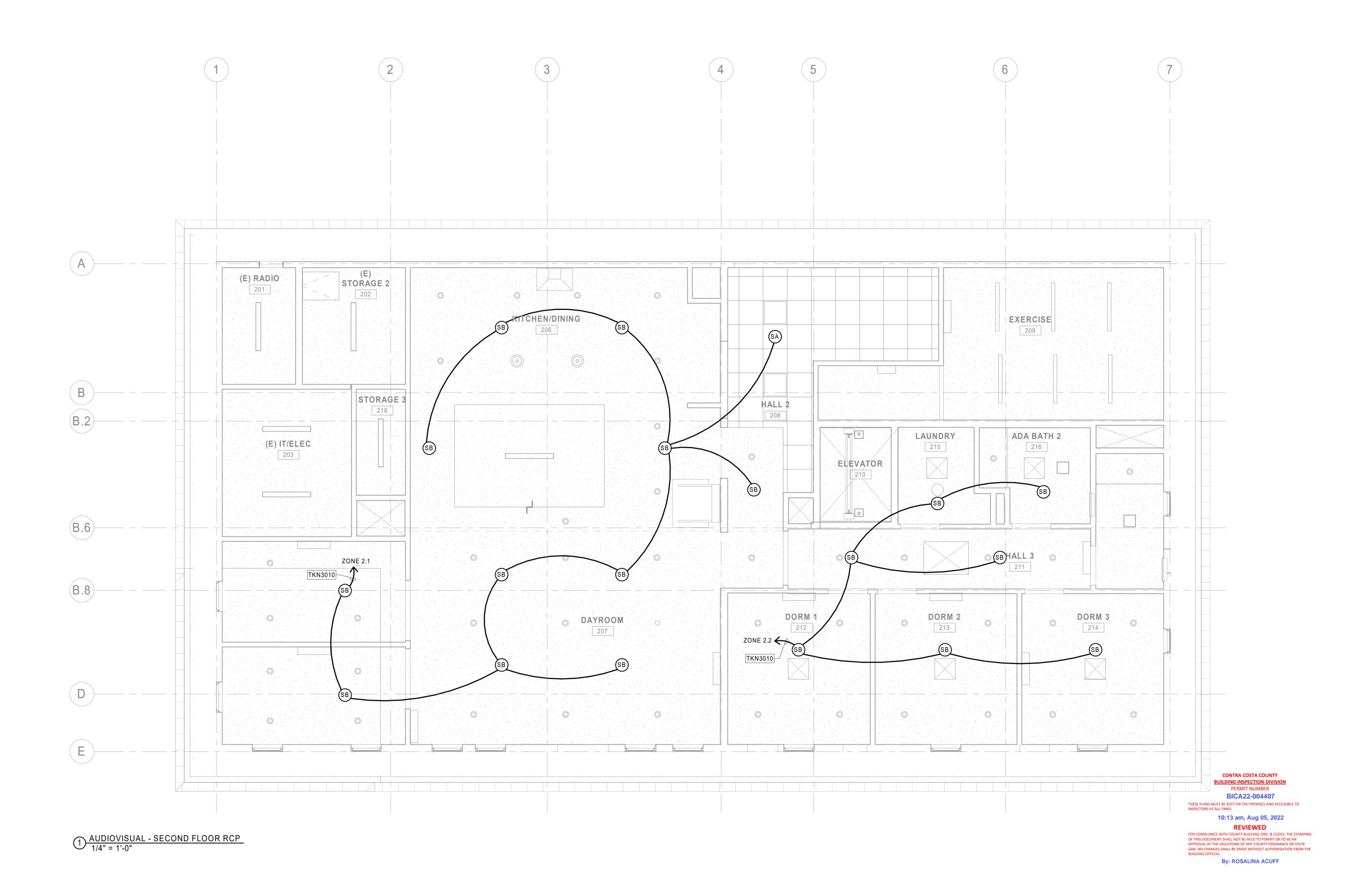
NO.	DESCRIPTION	DATE
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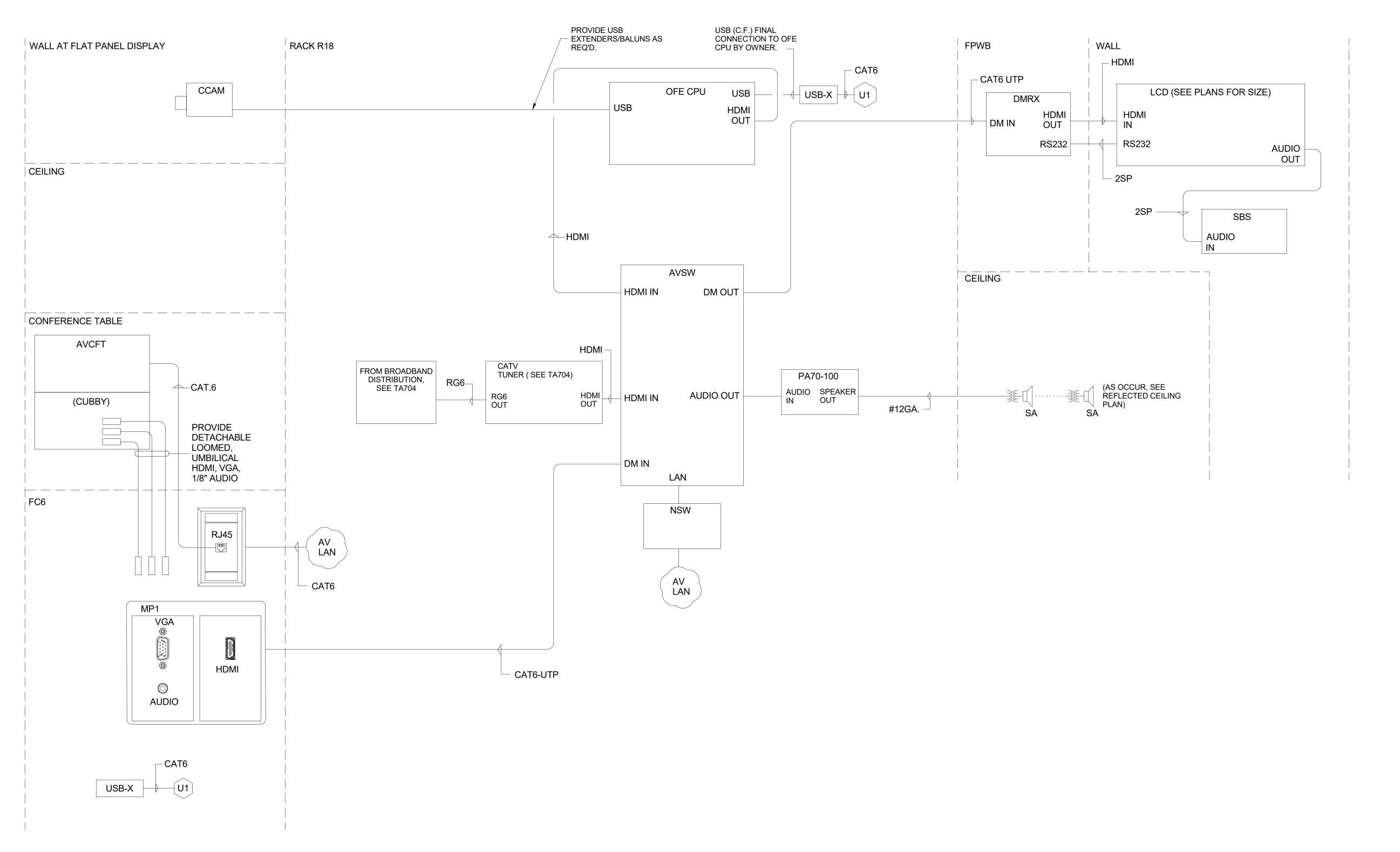
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

AUDIOVISUAL - SECOND FLOOR RCP







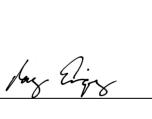
MEETING ROOM 111 AUDIOVISUAL FUNCTIONAL DIAGRAM NTS

> **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF

CONTRA COSTA COUNTY



STAMP



03/11/2021 **RAY ENRIQUEZ**

REGIS. NO. 106011 EXPIRES 12/31/2022

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

DESCRIPTION	DATE
ISSUED FOR PERMIT	04/01/202
NO.	
000 KENSINGTON FIRE PROTECT	
	NO.

PUBLIC SAFETY BUILDING

DESCRIPTION

MEETING ROOM 111 AUDIOVISUAL FUNCTIONAL DIAGRAM



1 PUBLIC ADDRESS SINGLE LINE DIAGRAM

SHEET NOTES

- THE PAGING SYSTEM UTILIZES A 70V DISTRIBUTION SYSTEM. REFER TO SPEC. SECTION 27 51 16 FOR OTHER REQUIREMENTS.
- ON RECEIPT OF CLOSURE, WALL MTD VA AND VB ATTENUATORS DROP OUT OF CIRCUIT, PERMITTING UNATTENUATED SIGNAL TO PASS TO SPEAKERS.

KEYNOTES

- TN COMMUNICATIONS SYSTEMS COMPLY WITH DIVISION 27.
- TKN1 RACK MOUNTED VOLUME CONTROL. SIZE TO MATCH CONNECTED LOAD.
- (TKN2) PROVIDE TOA ZP-001T TELEPHONE ZONE PAGING MODULE TO BE USED TO RECEIVE PAGING INPUT FROM THE VOIP SYSTEM.

CONTRA COSTA COUNTY

BUILDING INSPECTION DIVISION

BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

10:13 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE

By: ROSALINA ACUFF

INSPECTORS AT ALL TIMES.



351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

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RAY ENRIQUEZ REGIS. NO. 106011

EXPIRES 12/31/2022

03/11/2021

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217 ARLINGTON AVE. KENSINGTON, CA 94707

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

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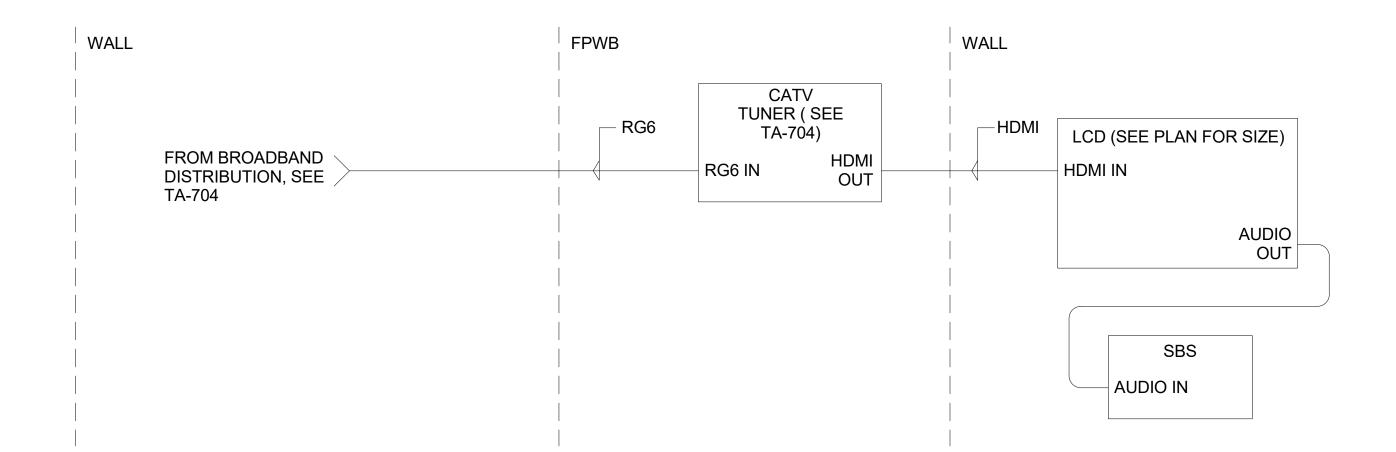
NO.	DESCRIPTION	DAT
	100% DESIGN DEVELOPMENT	12/17/2
	ISSUED FOR PERMIT	04/01/2

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

PUBLIC ADDRESS SINGLE LINE DIAGRAM

DAYROOM & KITCHEN/DINING **AUDIOVISUAL FUNCTIONAL DIAGRAM**



EXERCISE ROOM 2 AUDIOVISUAL FUNCTIONAL DIAGRAM

> CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF



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

NO.	DESCRIPTION	DATE
	ISSUED FOR PERMIT	04/01/20

0000 KENSINGTON FIRE PROTECTION DISTRICT

PUBLIC SAFETY BUILDING

DESCRIPTION

DAYROOM, KITCHEN/DINING & EXERCISE ROOM AV FUNCTIONAL DIAGRAMS



RG6 LOSS AND EQUALIZATION								
	50 FEET	100 FEET	150 FEET	200 FEET	250 FEET	RANGE		
RG6 LOSS AT 55 MHZ	0.94	1.88	2.82	3.76	4.7	3.76		
RG6 LOSS AT 450 MHZ	2.14	4.28	6.42	8.56	10.7	8.56		
RG6 LOSS AT 750 MHZ	2.81	5.62	8.43	11.24	14.05	11.24		
STATION CABLE SLOPE	-1.87	-3.74	-5.61	-7.48	-9.35	7.48		
50 FT FEEDER SLOPE	-1.87	-1.87	-1.87	-1.87	-1.87			
BBIDA EQUALIZER SLOPE	6	6	6	6	6	0		
BBSP4 OUTPUT PLUS CABLE SLOPE	2.26	0.39	-1.48	-3.35	-5.22			
TILT EQUALIZER	0	0	0	3	6	6		
RECEPTACLE TILT AT 750 MHZ	2.26	0.39	-1.48	-0.35	0.78	3.74		

SHEET	NOTE
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WHERE CABLING IN PLENUM VOID IS NOT INSTALLED IN

APPROXIMATE RANGE OF 100 TO 150 FEET.

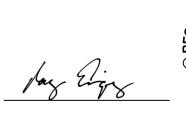
(TKN9) CONNECT DEVICES WITH CABLE LENGTH IN APPROXIMATE RANGE OF 50 TO 100 FEET.

CONDUIT, PROVIDE PLENUM RATED CABLING. **KEYNOTES** TKN AUDIO VISUAL SYSTEMS: COMPLY WITH DIVISION 27. TKN1 REFER TO 'TV' PLATES ON PLANS FOR EXACT LOCATIONS AND QUANTITY. TKN2 PROVIDE TYPE RG6 TRIPLE SHIELD CABLE HOME RUN FROM EACH MATV DEVICE. TKN3 TERMINATE ALL UNUSED PORTS. BOND BROADBAND PASSIVES TO GROUND. $\langle \overline{\mathsf{TKN5}} \rangle$ PROVIDE TYPE RG11 TRIPLE SHIELD CABLE. (TKN6) CONNECT DEVICES WITH CABLE LENGTH IN APPROXIMATE RANGE OF 200 TO 275 FEET. TKN7 CONNECT DEVICES WITH CABLE LENGTH IN APPROXIMATE RANGE OF 150 TO 200 FEET. TKN8 CONNECT DEVICES WITH CABLE LENGTH IN



351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

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03/11/2021 **RAY ENRIQUEZ REGIS. NO. 106011**

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

EXPIRES 12/31/2022

PROJECT TEAM

CIVIL:

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

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

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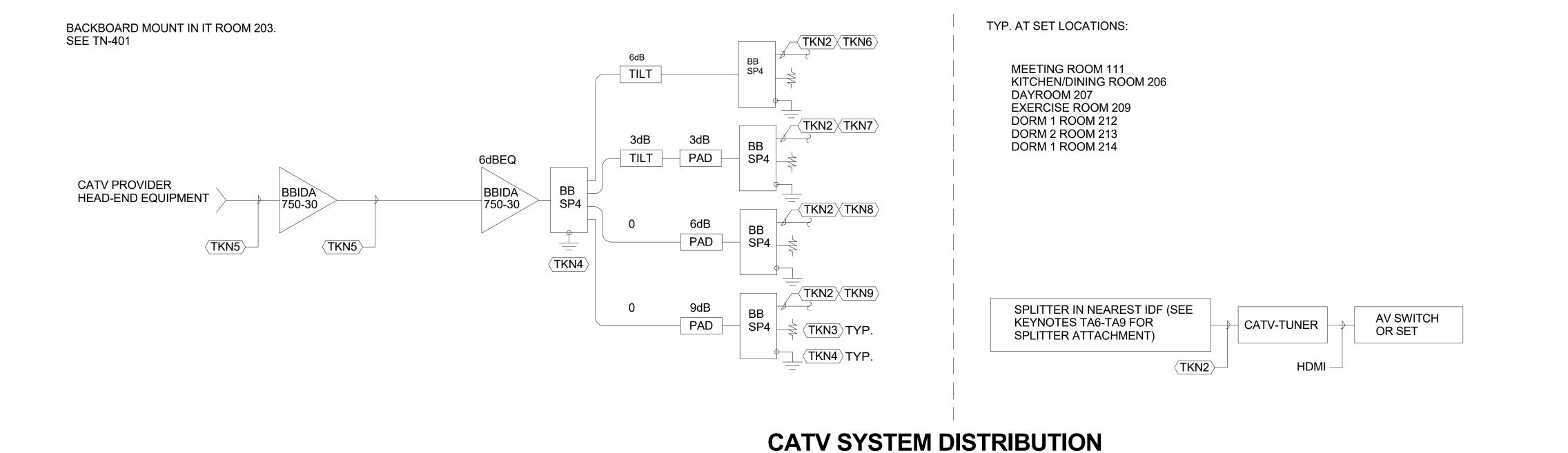
DESCRIPTION ISSUED FOR PERMIT 04/01/2021

JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

CATV & DBS SYSTEMS DISTRIBUTION SINGLE LINE DIAGRAMS

TA704



SINGLE LINE DIAGRAM

NTS

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 **REVIEWED** FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES, THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF

REV	DESCRIPTION		REV DATE	APP'D BY	DATE APP
-	PRODUCTION RELEASE	//////	////////	JJP	03/08/02
Α	EC 041702-02	LM	04/17/02	JJP	04/18/02
В	EC 111502-01	LM	12/04/02	JJP	12/04/02
С	SEE EC 021003-02	RBM	02/11/03	JJP	02/12/03
D	SEE EC 052003-01	RBM	05/08/03	JJP	05/20/03
Е	SEE EC 071003-03	BKW	08/01/03	JJP	08/07/03
F	SEE EC 102803-01	NC	10/30/03	BKW	10/30/03
G	SEE EC 033004-05	BKW	06/04/04	RE	07/20/04
Н	SEE EC 111904-01	RBM	11/16/04	JJP	11/24/04
J	SEE EC 101805-05	RBM	10/13/05	JJP	10/31/05

	17	27.43 [037]
	15	29.20 [742]
	16	30.95 [786]
	17	32.70 [831]
-	18	34.45 [875]
	19	36.20 [920]
	20	37.95 [964]
	21	39.70 [1008]
	22	41.45 [1053]
	23	43.20 [1097]
	24	44.95 [1142]
	25 *	46.70 [1186]
	26 *	48.45 [1231]
	27 *	50.20 [1275]
	28 *	51.95 [1320]
	29 *	53.70 [1364]
	30 *	55.45 [1408]

OPENING

23.95 [608]

USEABLE

RACKSPACES

EC 111502-01	LIVI	12/04/02	JJP	12/04/02		40	05 70 50501
SEE EC 021003-02	RBM	02/11/03	JJP	02/12/03	-	13	25.70 [653]
SEE EC 052003-01	RBM	05/08/03	JJP	05/20/03		14	27.45 [697]
SEE EC 071003-03	BKW	08/01/03	JJP	08/07/03		15	29.20 [742]
SEE EC 102803-01	NC	10/30/03	BKW	10/30/03		16	30.95 [786]
SEE EC 033004-05	BKW	06/04/04	RE	07/20/04		17	32.70 [831]
SEE EC 111904-01	RBM	11/16/04	JJP	11/24/04	H		
SEE EC 101805-05	RBM	10/13/05	JJP	10/31/05	_	18	34.45 [875]
						19	36.20 [920]
						20	37.95 [964]
						21	39.70 [1008]
						22	41.45 [1053]
						23	43.20 [1097]
						24	44.95 [1142]
d -						25 *	46.70 [1186]
						26 *	48.45 [1231]
						27 *	50.20 [1275]
						20 *	E4 0E [4220]

KEYNOTES

ARCHITECTURAL: DIVISIONS 3 THROUGH 14

FINISHED FLOOR, SEE ARCHITECTURAL DRAWINGS.

 \langle AKN2 \rangle FINISHED WALL, SEE ARCHITECTURAL DRAWINGS.

AKN3 NOT USED.

 $\langle AKN4 \rangle$ ARCHITECTURAL WOODWORK ELEMENT SHOWN AT THIS VIEW WITHOUT DOOR FOR CLARITY.

UNDER WORK OF SECTION 06400 ARCHITECTURAL WOODWORK, PROVIDE OPENINGS IN CASEWORK TO COORDINATE WITH AUDIO VISUAL TERMINAL CABINET, POWER RECEPTACLE, AND TELECOMMUNICATIONS RECEPTACLE TO ALLOW WIRING TO PASS TO THE INTERIOR OF THE CASEWORK ELEMENT. PROVIDE OPENINGS FOR HEAT MANAGEMENT.

ELECTRICAL: DIVISION 26.

QUADPLEX POWER RECEPTACLE, NEMA 5-15R. SEE ELECTRICAL (EKN1) DRAWINGS FOR CIRCUITING.

TKN1 PROVIDE 3' SIDE ACCESS. COORDINATE ACCESS IN FIELD WITH

AUDIOVISUAL SYSTEMS: COMPLY WITH DIVISION 27.

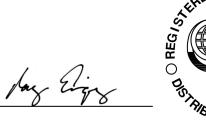
PROVIDED CASE WORK.

FASTEN R18 TO ARCHITECTURAL WOODWORK BOTTOM WITH 8 EACH #8 X 3/4" PAN HEAD SHEET METAL SCREWS, EACH WITH 1/4" FLAT WASHER, 4 SCREWS IN FRONT HOLES OF FIXED MOUNTING PAN AND 4 SCREWS IN REAR HOLES OF FIXED MOUNTING PAN.

Smith, McDonald Inc.

351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

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

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

HALEY ALDRICH 1956 WEBSTER ST #300

OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544 LIST ENGINEERING CO.

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

2 HARRIS CT STE A7 MONTEREY, CA 93940 CONTACT: RON BLUE

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

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

T: (415) 826-9626

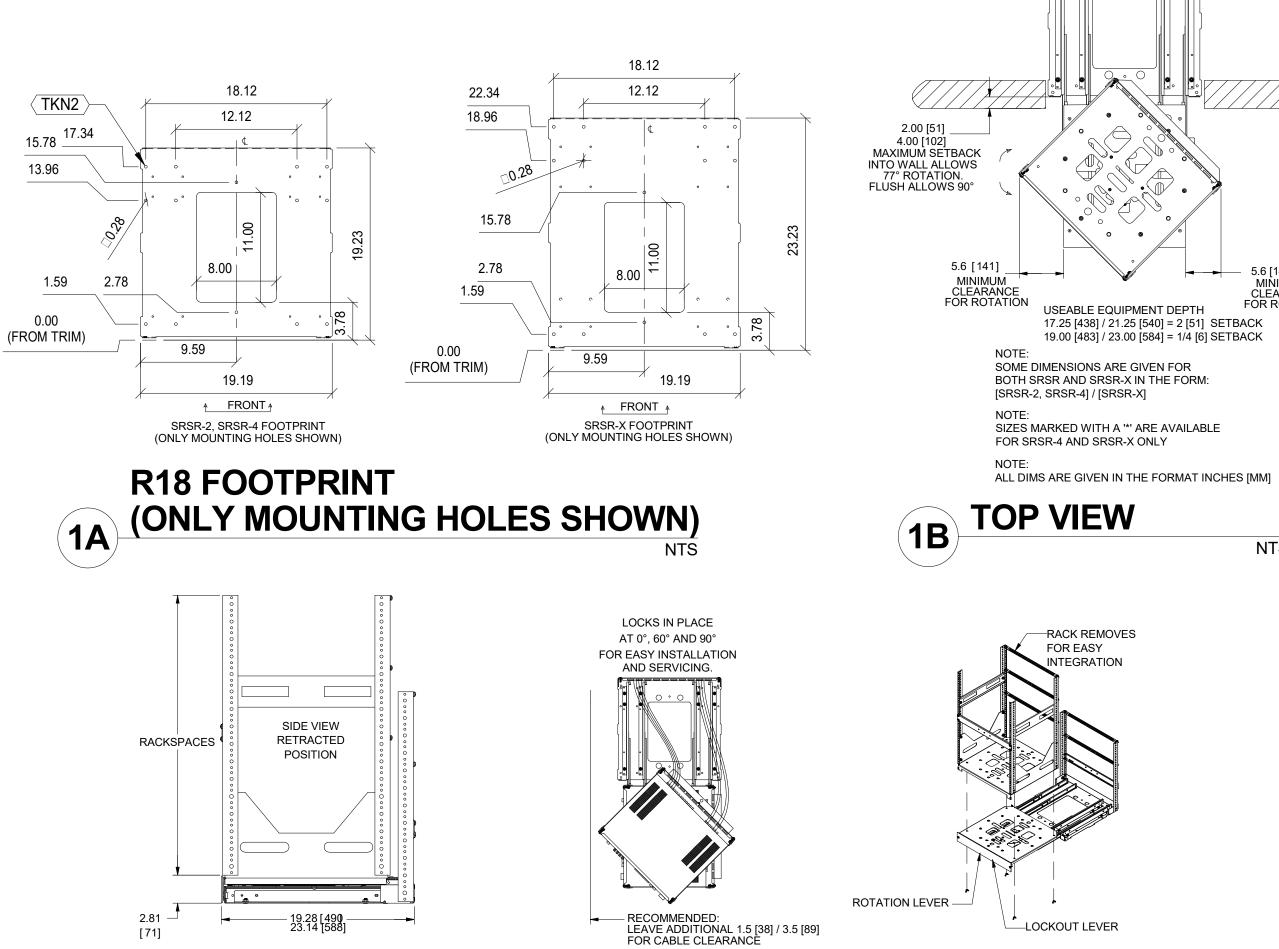
DESCRIPTION ISSUED FOR PERMIT 04/01/2021

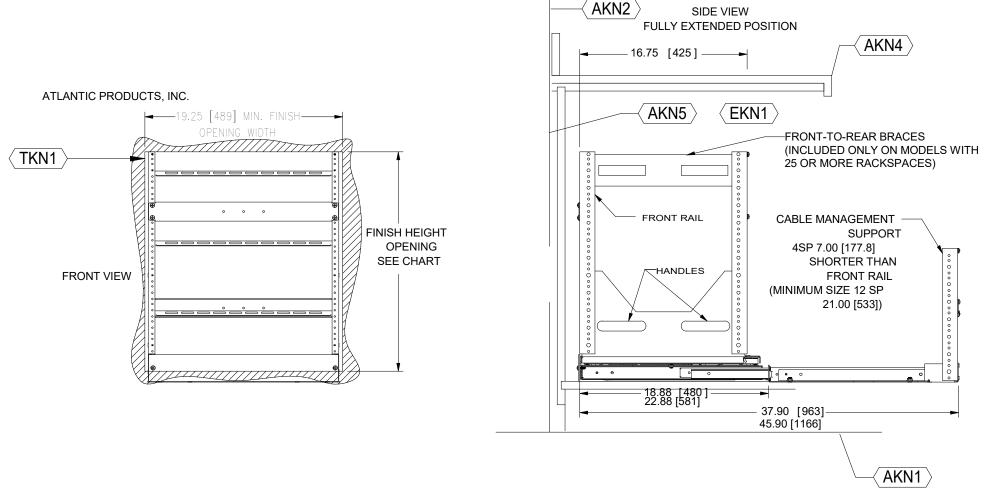
JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

DETAILS - RACK R18

TA901







1E FULLY EXTENDED POSITION

NTS

TOP VIEW OPEN, SHOWN ROTATED 45°



CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE

By: ROSALINA ACUFF

NTS

SHEET NOTES

CONTRACTOR TO CONTACT FLOOR BOX MANUFACTURER FOR INSTALLATION INSTRUCTIONS PRIOR TO ROUGH-IN.

KEYNOTES

TKN1

AKN1 SLAB - SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS. (AKN2) NOT USED. MOISTURE BARRIER - SEE ARCHITECTURAL AND STRUCTURAL (AKN3)

ARCHITECTURAL: DIVISIONS 3 THROUGH 14.

(AKN4) CARPET OR SCHEDULED FOOR FINISH. SEE ARCHITECTURAL DRAWINGS - EXTEND OVER FLOOR BOX INTO INSERTS.

EKN ELECTRICAL: DIVISION 26.

DRAWINGS.

EKN1 QUAD ELECTRICAL POWER - SEE ELECTRICAL DRAWINGS.

BOX ACCEPTS 2-1/8" DEEP MIN. DEVICES.

COMMUNICATIONS SYSTEMS: CONFORM WITH DIVISION 27 AND 28. TKN

TKN2 CLASS 1/CLASS 2 BARRIER. Smith, McDonald Inc.

351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

STAMP



03/11/2021 **RAY ENRIQUEZ REGIS. NO. 106011**

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

EXPIRES 12/31/2022

PROJECT TEAM

CLIENT:

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

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

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

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

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NO.	DESCRIPTION	DATE
	ISSUED FOR PERMIT	04/01/202

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

DETAILS - FC6 FLOOR BOX

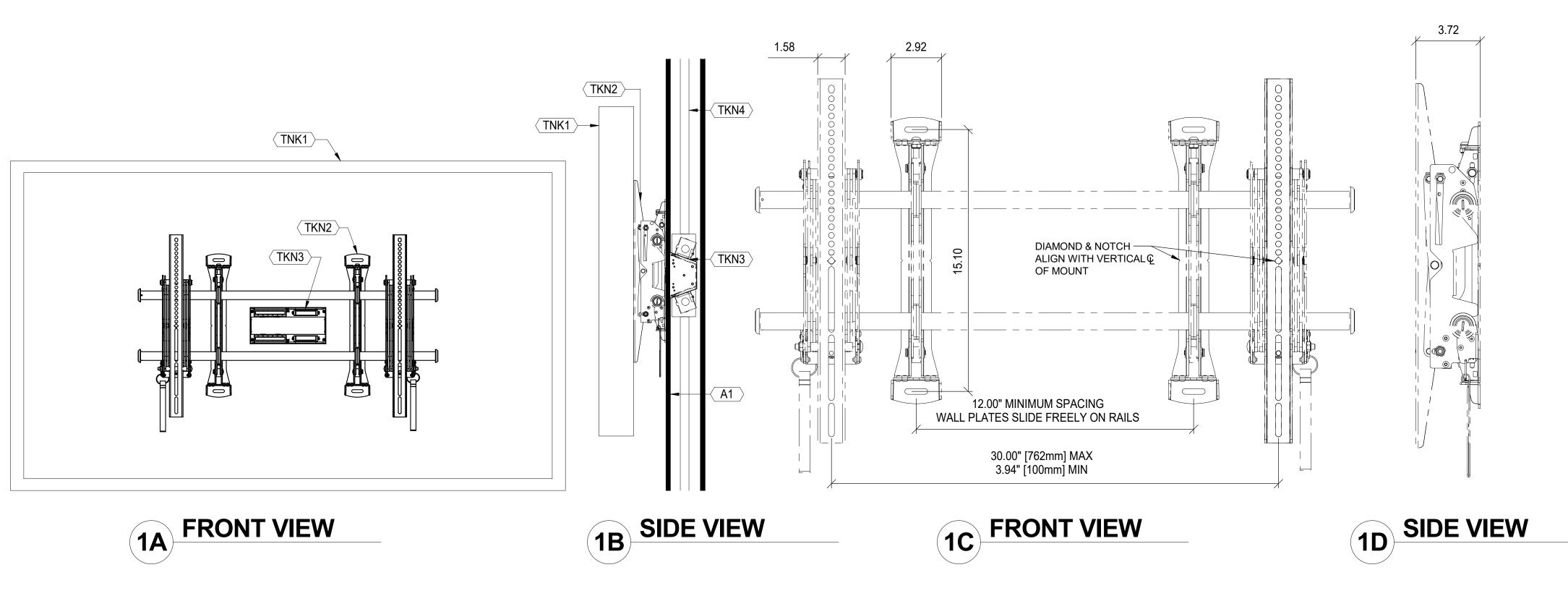


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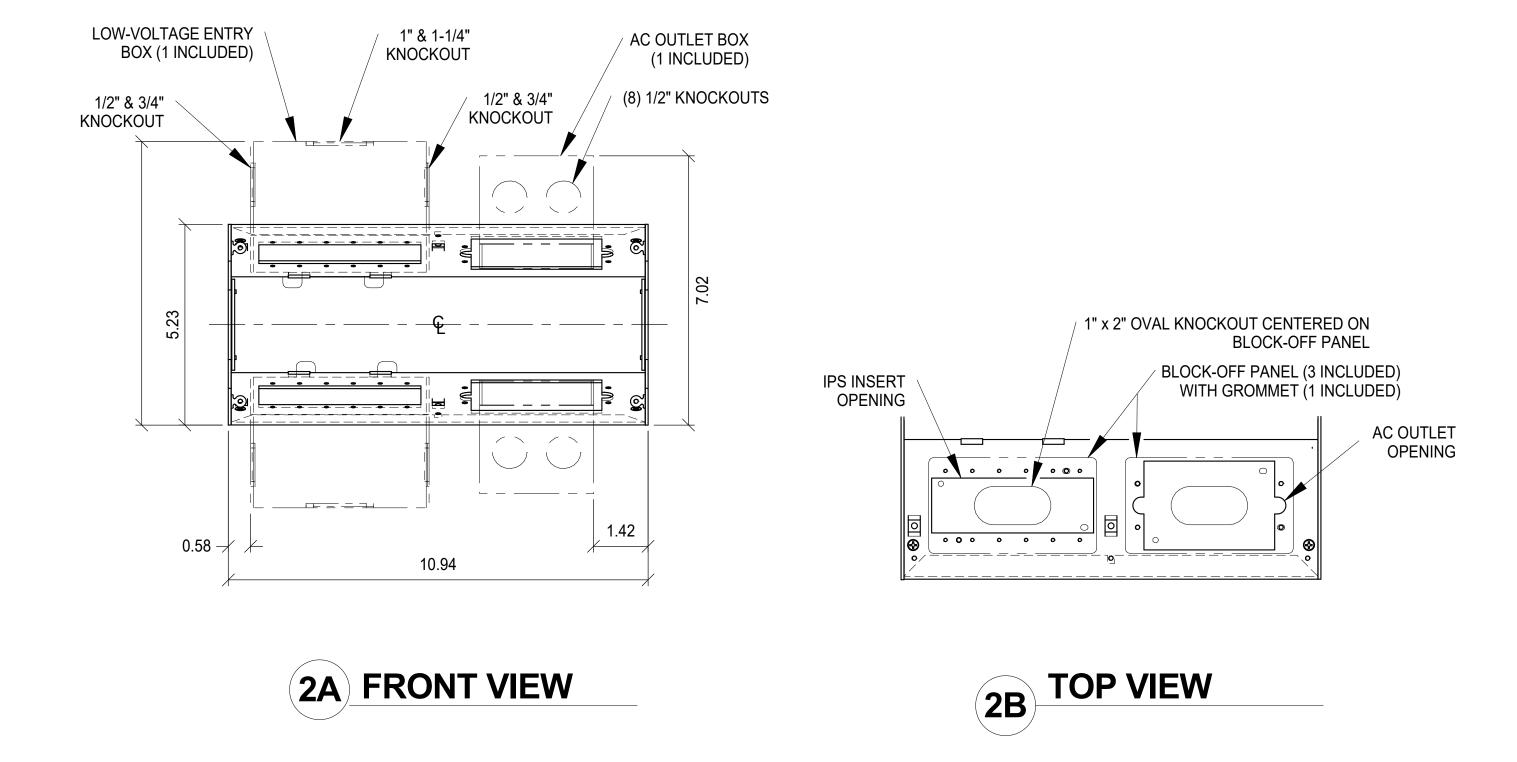
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BUILDING INSPECTION DIVISION PERMIT NUMBER







FLAT PANEL WALL BOX - FPWB

KEYNOTES

ARCHITECTURAL: COMPLY WITH DIVISIONS 2-14.

WALL CTKNITY WITH MINIMUM 200 LB. BACKING.

TELECOMMUNICATIONS SYSTEMS: COMPLY WITH DIVISION 27.

FLAT PANEL DISPLAY/LCD - NET WEIGHT NOT TO EXCEED 135 LBS.

FLAT PANEL MOUNT - NET WEIGHT NOT TO EXCEED 40 LBS.

(TKN2) FLAT PANEL WALL BOX, FPWB1, RECESSED FLUSH IN WALL.

(TKN3) IN-WALL CONDUIT RACEWAY. (TKN4)

McDonald Inc. 351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com STAMP

Smith,

Fause

PROJECT ADDRESS

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RAY ENRIQUEZ REGIS. NO. 106011 EXPIRES 12/31/2022

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NO.	DESCRIPTION	DATE		
	ISSUED FOR PERMIT	04/01/202		

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

DETAILS - FPWB & FLAT PANEL MOUNT

TA903

LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF

10:13 am, Aug 05, 2022

REVIEWED

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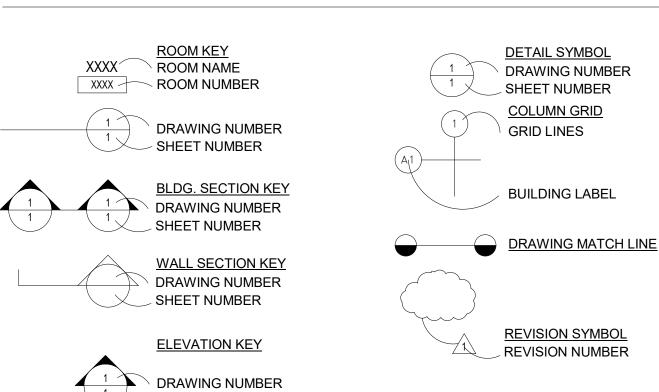
INSPECTORS AT ALL TIMES.

CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION
PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

COMMUNICATIONS SYSTEMS GENERAL NOTES

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

GENERAL SYMBOLS



MATERIAL & EQUIPMENT LEGEND

SHEET NUMBER

1" INNERDUCT, PLENUM RATED

2" INNERDUCT, PLENUM RATED

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

MINIMUM POINT OF ENTRY **OUTSIDE PLANT** T.C. TELECOMMUNICATIONS CLOSET

SINGLE MODE OPTICAL FIBER

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

UNSHIELDED TWISTED PAIR, CAT. 5e

UNSHIELDED TWISTED PAIR, CAT. 5e PLENUM

PRE-WIRED, 50 PIN CONNECTOR (REAR) & RJ45 (FRONT) CAT.3 PATCH PANEL TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.

UTP5e-4

UTP5e-4P

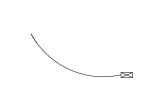
SEE SPECIFICATION SECTIONS FOR REFERENCE DESCRIPTIONS AND REQUIREMENTS. FOR OTHER MATERIAL AND EQUIPMENT

TYPES REFER TO SPECIFICATIONS.

LEGEND

T-OPD

2IDP



SURFACE RACEWAY.

TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY

FOR COMMUNICATIONS AND POWER SYSTEM PROVIDED UNDER DIV. 27.

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

NEW WIRE AND/OR CABLE IN EXPOSED CONDUIT OR RACEWAY. FILL PER SCHEDULE, PLANS AND SPECIFICATION SECTION 27 05 33.

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

CABLE/RACEWAY TURNS UP

HOME RUN

CONDUIT TO CABLE TRANSITION POINT

CABLE/RACEWAY TURNS DOWN

____ ECT____

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

701

WIRING NOTES (TKN1) KEYNOTES

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

JUNCTION BOX SCHEDULE

SYMBOL	H (INCHES)	W (INCHES)	D (INCHES)
J1	6	6	4
J2	8	8	4
J3	12	12	4
J4	12	12	6
J5	12	12	8
J6	16	12	8
J7	18	18	6
J8	20	16	6
J9	20	16	8
J10	20	20	6
J11	20	20	8
J12	24	20	6
J13	24	20	8
J14	24	24	8
J15	30	24	8
J16	30	30	8
J17	36	30	8
J18	36	36	8
J19	48	24	6
J20	48	36	6
J21	48	48	6
J22	8	8	8
J23	10	10	8
J24	12	12	8
J25	16	12	8
J26	18	12	8
J28	18	18	8
J29	24	12	8
J30	24	18	8
J31	24	20	8
J32	24	24	8
J33	30	24	8
J34	30	30	8
J35	36	24	8
J36	36	30	8
J37	36	36	8
J38	12	12	10
J39	18	12	10
J40	18	18	10
J41	24	12	10
J42	24	18	10
J43	24	24	10
J44	30	24	10
J45	30	30	10
J46	36	24	10
J47	36	36	10
J48	12	12	12
J49	18	18	12
J50	24	12	12
J51	24	18	12
J52	24	24	12
J53	30	24	12
J54	30	30	12
J55	36	24	12
J56	48	48	12
J57	30	30	16
J58	48	48	16
J59	48	48	16
009	40	10	10
SUFFIX:			

SUFFIX:

NONE - NEMA 1 A - NEMA 12

B - NEMA 3R C - NEMA 4

D - NEMA 4X

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

ABB	REVIATIONS
ISR-1 3SR-2.5 A.D.A. ADF A.F.C. A.F.F. ALT A.M.F.F. 3DF 3.F.C. 3LDG.	SINGLE CHAMBER SURFACE RACEWAY THREE CHAMBER SURFACE RACEWAY AMERICANS WITH DISABILITIES ACT AREA DISTRIBUTION FACILITY ABOVE FINISHED CEILING ABOVE FINISHED FLOOR ALTERNATE ABOVE MEZZANINE FINISHED FLOOR BUILDING DISTRIBUTION FACILITY BELOW FINISHED CEILING BUILDING
3.O.H. C.	BACK OF HOUSE 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
b, DIA .	DIAMETER
DIV	DIVISION
(E)	EXISTING
ΞA.	EACH
ΞIA	ELECTRONIC INDUSTRIES ASSOCIATION
ELEV.	ELEVATION
E.O.L.	END OF LINE
EQPT.	EQUIPMENT
FIN	FINISHED
FUT	FUTURE

HOME RUN HEIGHT

JUNCTION BOX LOCAL AREA NETWORK MASTER ANTENNA TELEVISION **MAXIMUM** MAX.

MINIMUM MOD. **MODULAR** MON. **MONUMENT** NEW

NATIONAL ELECTRICAL CODE NOT IN CONTRACT NOT TO SCALE O.C. ON CENTER O.D. OUTSIDE DIAMETER OWNER FURNISHED EQUIPMENT

OPPOSITE OPP. PROJ. **PROJECT**

PROJECT STANDARD RECEPTACLE HEIGHT +18" AFF, U.O.N. PROJECT STANDARD SWITCH HEIGHT +48" AFF TO \(\frac{1}{2} \), U.O.N.

RE: REFER TO REF. **REFERENCE** SIMILAR

SINGLE MODE OPTICAL FIBER

SHEET NOTE

SHIELDED PAIR - SEE SPECIFICATIONS

SPECIFICATION S.R. SURFACE RACEWAY STD STANDARD

STP SHIELDED TWISTED PAIR T.C. TELECOMMUNICATIONS CLOSET

TEL TELEPHONE TELCOM TELECOMMUNICATIONS

TELECOMMUNICATIONS INDUSTRY ASSOCIATION TELEPHONE CABLE, OUTSIDE PLANT, DUCTWAY

TWISTED PAIR

TYP. **TYPICAL** UNLESS OTHERWISE NOTED

WITH WEATHERPROOF Smith, McDonald Inc. 351 8th Street, San Francisco, CA 94103

STAMP



REGIS. NO. 106011 EXPIRES 12/31/2022

(415) 255-9140 Fax (415) 255-9180

www.sfmi.com info@sfmi.com

03/11/2021

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PROJECT TEAM CLIENT:

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NO.	DESCRIPTION	DATE
	100% DESIGN DEVELOPMENT	12/17/20
	ISSUED FOR PERMIT	04/01/20

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

CONTRA COSTA COUNTY

BUILDING INSPECTION DIVISION

PERMIT NUMBER BICA22-004407

10:13 am, Aug 05, 2022

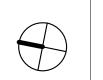
FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES, THE STAMPING

By: ROSALINA ACUFF

APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE

THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS AND JBOX SCHEDULE



SYMBOL	DEVICE	FUNCTION OR SERVICE	LOCATION	WORK OF	ROUGH-IN	RACEWAY	ELEVATION	CABLE FILL & HOMERUN DESTINATION, U.O.N.	FINISH	WEIGHT, LB	DETAIL SHEET(S)
[]	WALL SLEEVE/CONDUIT	PATHWAY	INDICATED	27 05 33	N/A	R5					
	FLOOR BOX, CONCRETE SLAB, FOR AUDIO VISUAL.	AUDIO VISUAL	FLUSH IN FLOOR. COORDINATE EXACT LOCATION/DIMENSION WITH THE ARCHITECT.		FLOOR BOX FC6 WITH MANUFACTURERS "POUR PAN" TO PROTECT AT SLAB ON GRADE CONDITIONS.	R4	FLUSH IN FLOOR	AS SCHEDULED	COORDINATE COVER TYPE WITH ARCHITECT. SUBMIT CUT-SHEETS.		
3D √	DATA AND VOICE DEVICE PLATE. DN1	COMMUNICATIONS	INDICATED		PROVIDE ONE (1) 5" SQUARE x 2.875" DEEP BOX WITH 1 GANG RING EQUAL TO RANDL INDUSTRIES 5 SQUARE.	R3	+18" AFF TO CL, U.O.N.	AS SCHEDULED	WHITE		
	BROADBAND VIDEO DEVICE PLATE. DN2	COMMUNICATIONS	INDICATED	28 05 33, 27 15 00	PROVIDE ONE (1) 5" SQUARE x 2.875" DEEP BOX WITH 1 GANG RING EQUAL TO RANDL INDUSTRIES 5 SQUARE.	R3	INDICATED	1 TRIPLE SHIELD RG6 COAX			
***************************************	FLOOR MOUNTED STATION CABLING/SWITCH RACK, 2 POST, 44 RU, SEISMIC RATED.	COMMUNICATIONS	FLOOR	27 11 16			BOLT TO SLAB		BLACK	250	
	FLOOR MOUNTED SERVER CABINET, 44 RU MIN, 30" WIDE MAX, 42" DEEP, 4 POST, SEISMIC RATED.	COMMUNICATIONS	FLOOR	27 11 16			BOLT TO SLAB.		BLACK	500	

NOTE NO. DEVICE NOTES

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

SUBSCRIPT INDICATES QUANTITY OF COAX CABLES PROVIDED AT WAO. BROADBAND VIDEO CABLING IS RG-6. EXAMPLE:

1B IS 1 RG-6 TERMINATED AT THE INDICATED WAO AND SERVING TR.

LOCATION NOTES

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

RACEWAY NOTES

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

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.

FOR AV, (2) 1-1/4" C TO 4 GANG COMPARTMENT STUBBED TO ACCESSIBLE

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

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

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

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PERMIT NUMBER
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By: ROSALINA ACUFF



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T: (510) 879-4544

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

CONTACT: PETER MCDONALD T: (415) 255-9140

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

NO.	DESCRIPTION	DATE
	100% DESIGN DEVELOPMENT	12/17/20
	ISSUED FOR PERMIT	04/01/20
JOB 1	NO.	

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

SYMBOL SCHEDULE

TN002

PROVIDE 12"x12"x4"D NEMA BOX WITH HINGED COVER TKN1070 AND (1) 2" C. STUB CONDUIT UP TO THE ROOF. PROVIDE SERVICE ENTRANCE WEATHERHEAD FITTING ON TOP OF THE CONDUIT.

TKN1075 MOUNT INSIDE THE FPWB. SEE TA202.



STAMP **RAY ENRIQUEZ**

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

REGIS. NO. 106011 EXPIRES 12/31/2022

PROJECT TEAM

CLIENT:

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

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

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

CONTACT: MATT FRANTZ T: (650) 394-8869 CIVIL: **BKF ENGINEERS**

1646 N. CALIFORNIA BLVD STE 400

WALNUT CREEK, CA 94596

CONTACT: ERIC SWANSON T: (925) 940-2200 GEOTECH: HALEY ALDRICH

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

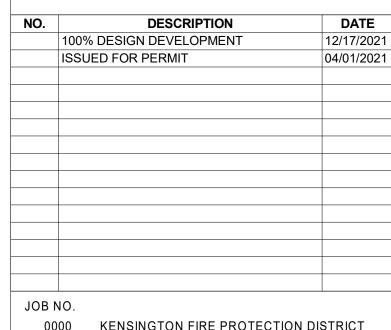
MONTEREY, CA 93940 CONTACT: RON BLUE T: (831) 373-4390

LIST ENGINEERING CO. 2 HARRIS CT STE A7

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

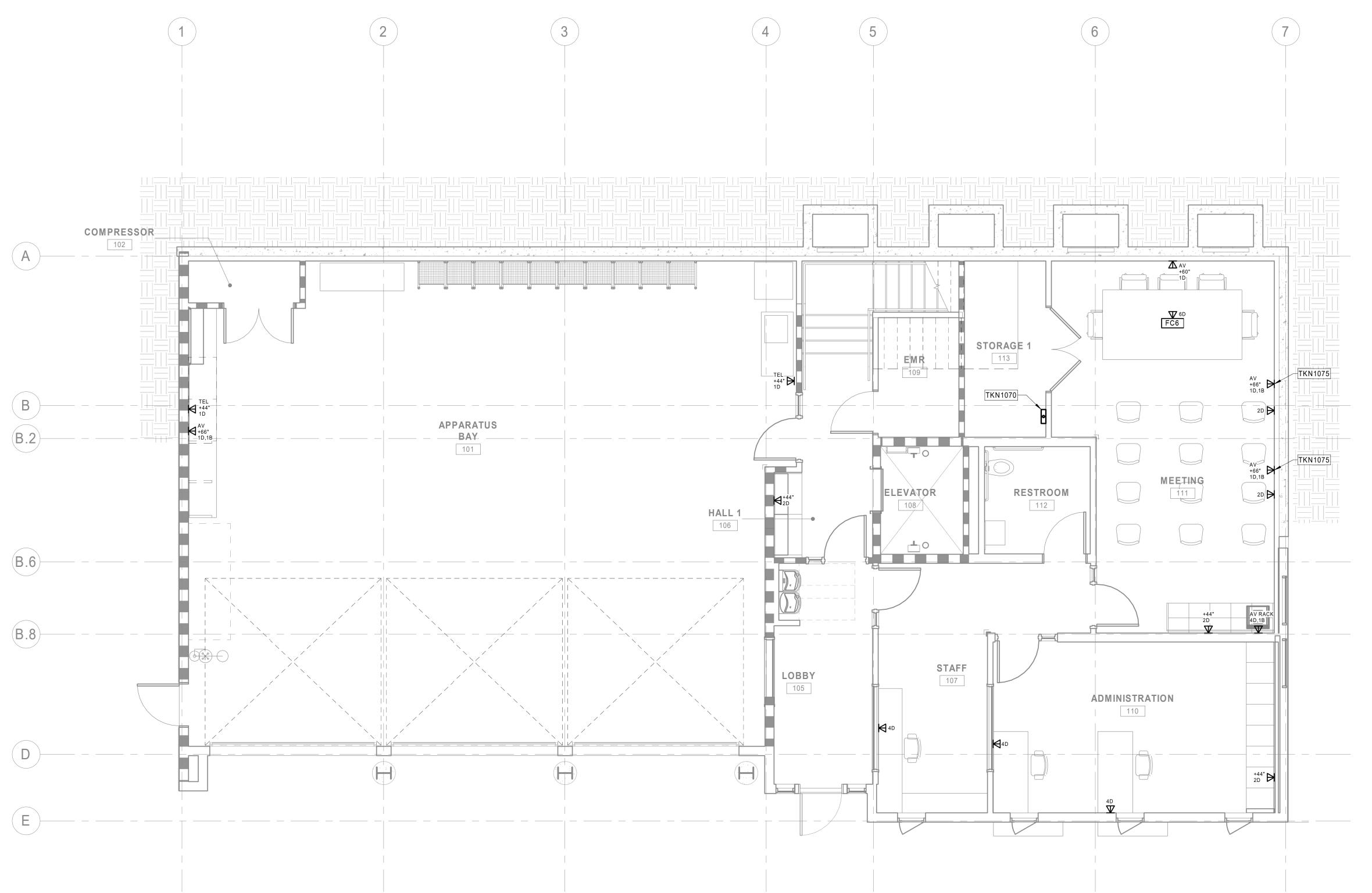


0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

COMMUNICATIONS - GROUND FLOOR PLAN

TN202



CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES.

10:13 am, Aug 05, 2022 FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE By: ROSALINA ACUFF

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



www.sfmi.com info@sfmi.com

STAMP



RAY ENRIQUEZ REGIS. NO. 106011 EXPIRES 12/31/2022

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CIVIL:

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

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

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

CONTACT: MATT FRANTZ T: (650) 394-8869 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

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

LIST ENGINEERING CO. 2 HARRIS CT STE A7

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

T: (415) 255-9140

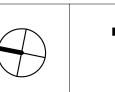
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

NO.	DESCRIPTION	DATE
	100% DESIGN DEVELOPMENT	12/17/20
	ISSUED FOR PERMIT	04/01/20
JOB	NO.	
0	000 KENCINCTON FIDE DROTECTI	ON DICTRICT

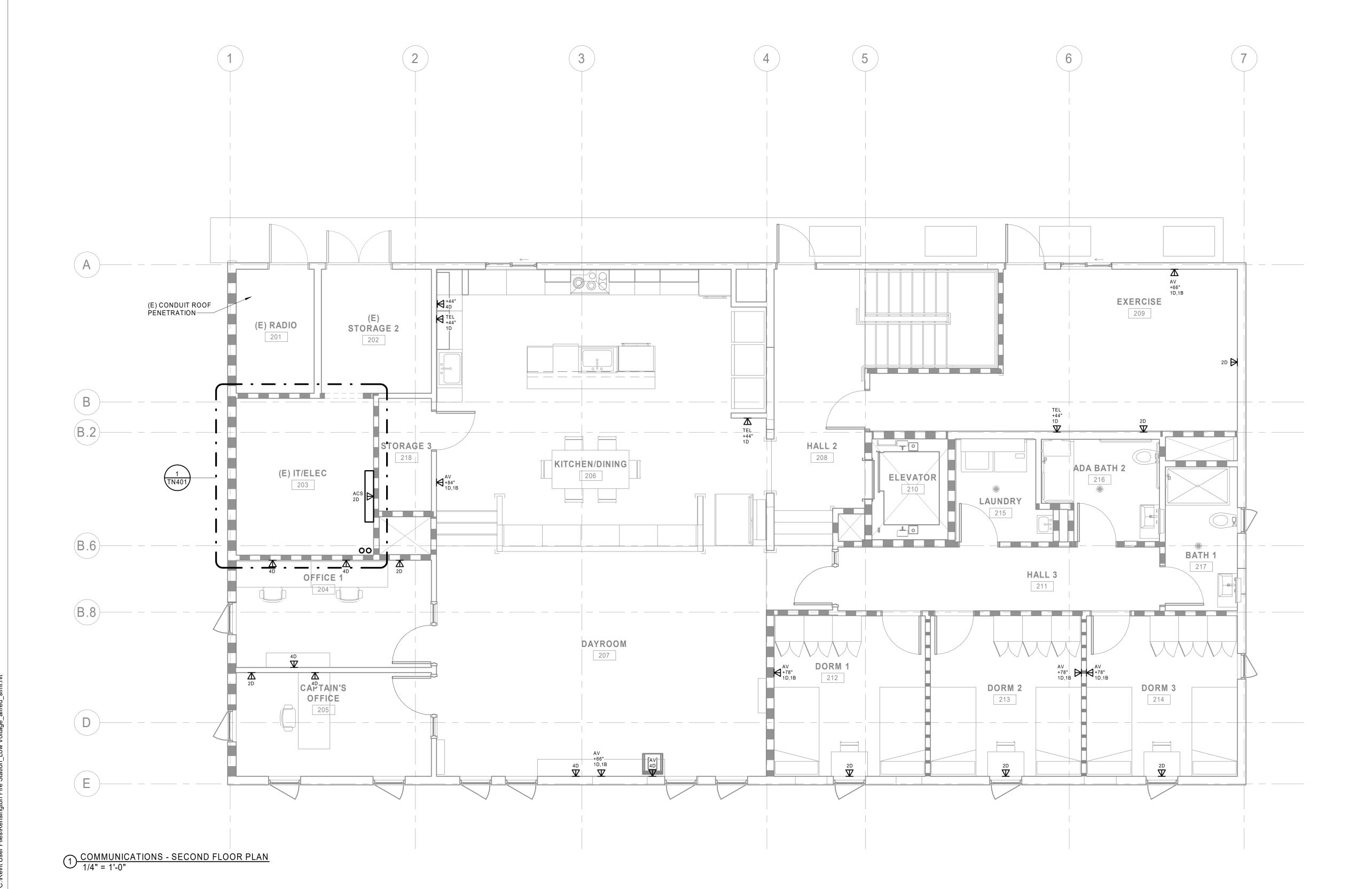
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

COMMUNICATIONS - SECOND FLOOR PLAN

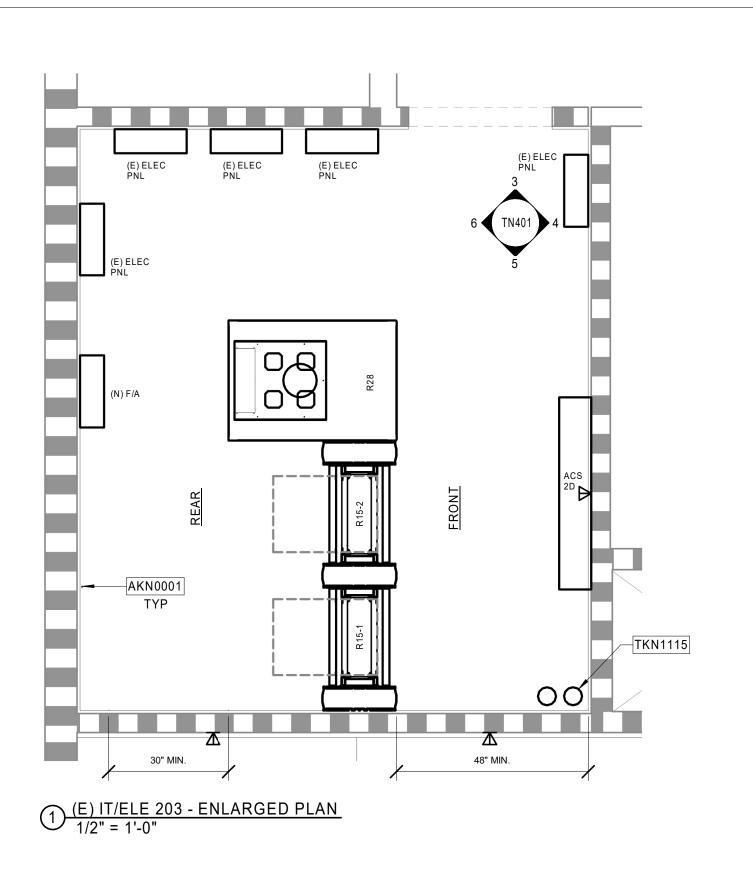


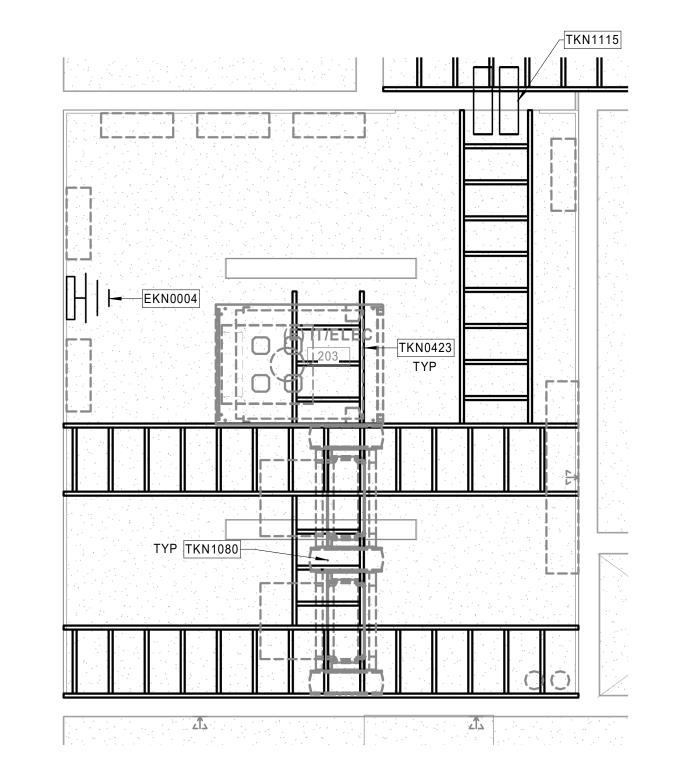
TN204

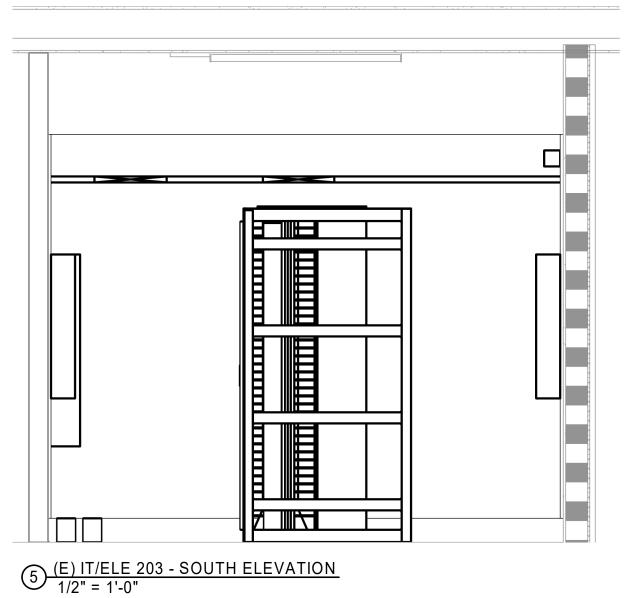


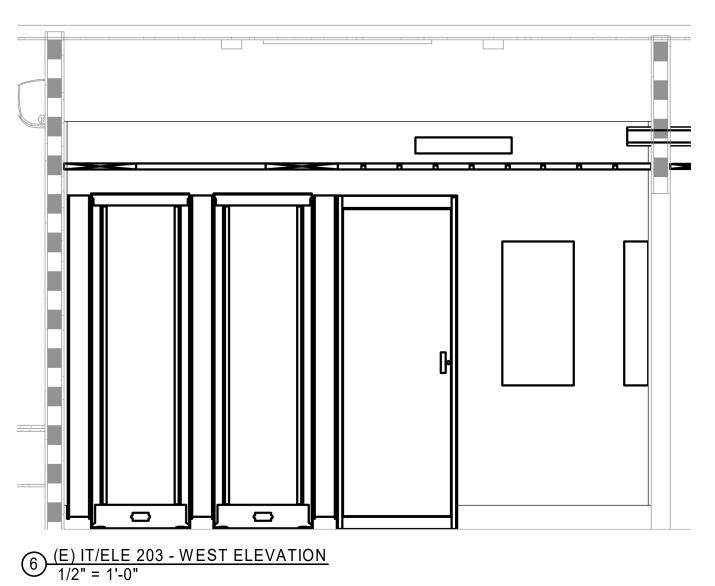
CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION
PERMIT NUMBER BICA22-004407 10:13 am, Aug 05, 2022 REVIEWED

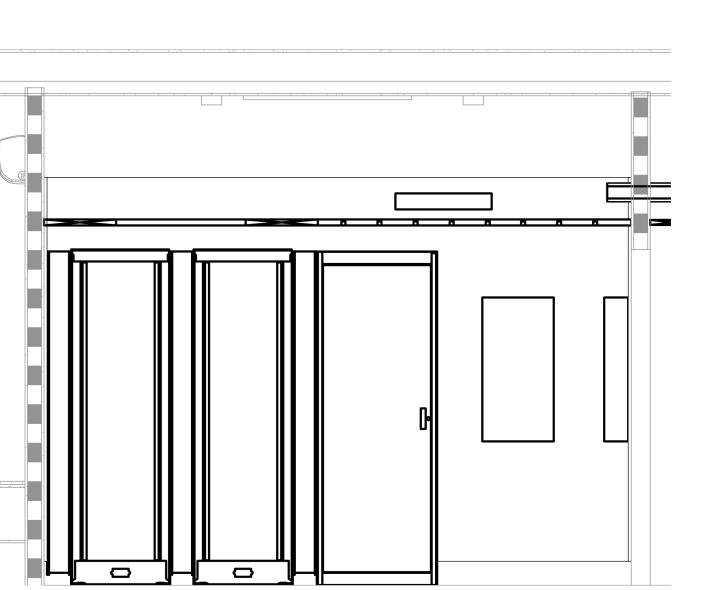
THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE By: ROSALINA ACUFF











CONTRA COSTA COUNTY

BUILDING INSPECTION DIVISION PERMIT NUMBER

BICA22-004407

10:13 am, Aug 05, 2022

REVIEWED

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN

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By: ROSALINA ACUFF

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KEYNOTES

PROVIDE 3/4" THICK, FIRE-RESISTANT TREATED

THE PERIMETER OR 4 SIDES OF THE ROOM. PAINT, COLOR WHITE. TRIM TO FIT. LEAVE ONE FIRE RATING

STAMP PER SHEET OF PLYWOOD UNPAINTED. SEE

ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

EKN0004 | SB-477-K. MOUNT ON THE BACKBOARD AT APPROX +84"

TKN0423 FROM CEILING/STRUCTURE. MOUNT BOTTOM @ 7'-6"

TKN1080 PROVIDE WATERFALL DROPOUTS FOR EACH RACK, TYP. TKN1115 PROVIDE (2) 4" C. FIRESTOP CONDUIT PENETRATIONS.

A.F.F., BELOW THE CABLE TRAY

PLYWOOD BACKBOARD FROM 6" A.F.F. TO 8'-6" A.F.F, IN

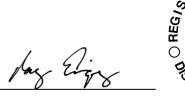
PROVIDE GROUNDING BUS BAR EQUIVALENT TO B-LINE

PROVIDE 18" WIDE CABLE RUNWAY (CR-18) SUPPORTED

Smith, McDonald Inc.

351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

STAMP



RAY ENRIQUEZ REGIS. NO. 106011 EXPIRES 12/31/2022

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CLIENT:

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

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

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

CONTACT: MATT FRANTZ T: (650) 394-8869

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

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

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

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

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

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

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

DESCRIPTION ISSUED FOR PERMIT 04/01/2021 JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT

PUBLIC SAFETY BUILDING

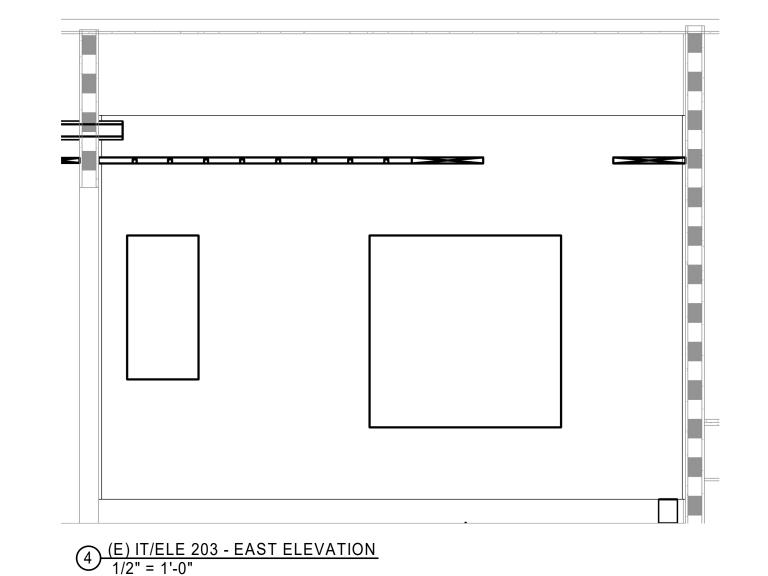
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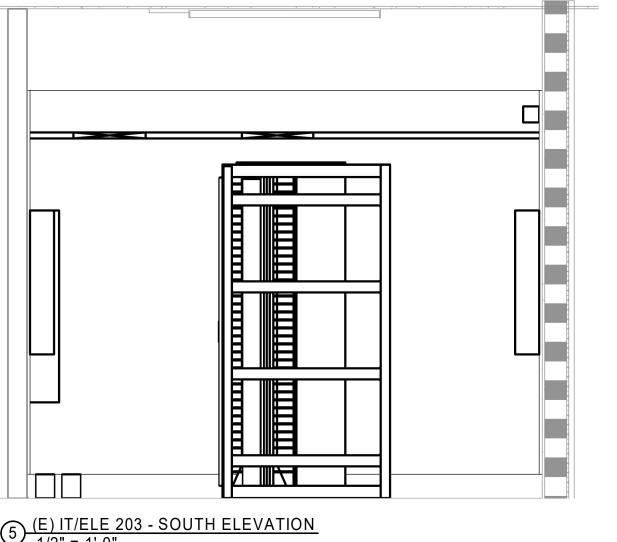
(E) IT/ELE 203 - ENLARGED PLAN, RCP & ÈLEVATIONS



TN401

00 (E) IT/ELE 203 - NORTH ELEVATION
1/2" = 1'-0"





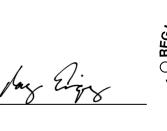
TKN0009 4" C.

PROVIDE (2) 4" C. MOUNTED ON THE UNDERSIDE OF THE HIGHER CEILING OF THE APPARATUS BAY. FIRESTOP CONDUIT PENETRATIONS.

TKN1115 PROVIDE (2) 4" C. FIRESTOP CONDUIT PENETRATIONS.

McDonald Inc. 351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

STAMP



RAY ENRIQUEZ REGIS. NO. 106011 EXPIRES 12/31/2022

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

BKF ENGINEERS

CONTACT: MATT FRANTZ T: (650) 394-8869

WALNUT CREEK, CA 94596

1646 N. CALIFORNIA BLVD STE 400

CONTACT: ERIC SWANSON T: (925) 940-2200 GEOTECH: HALEY ALDRICH

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

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

LIST ENGINEERING CO. 2 HARRIS CT STE A7

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

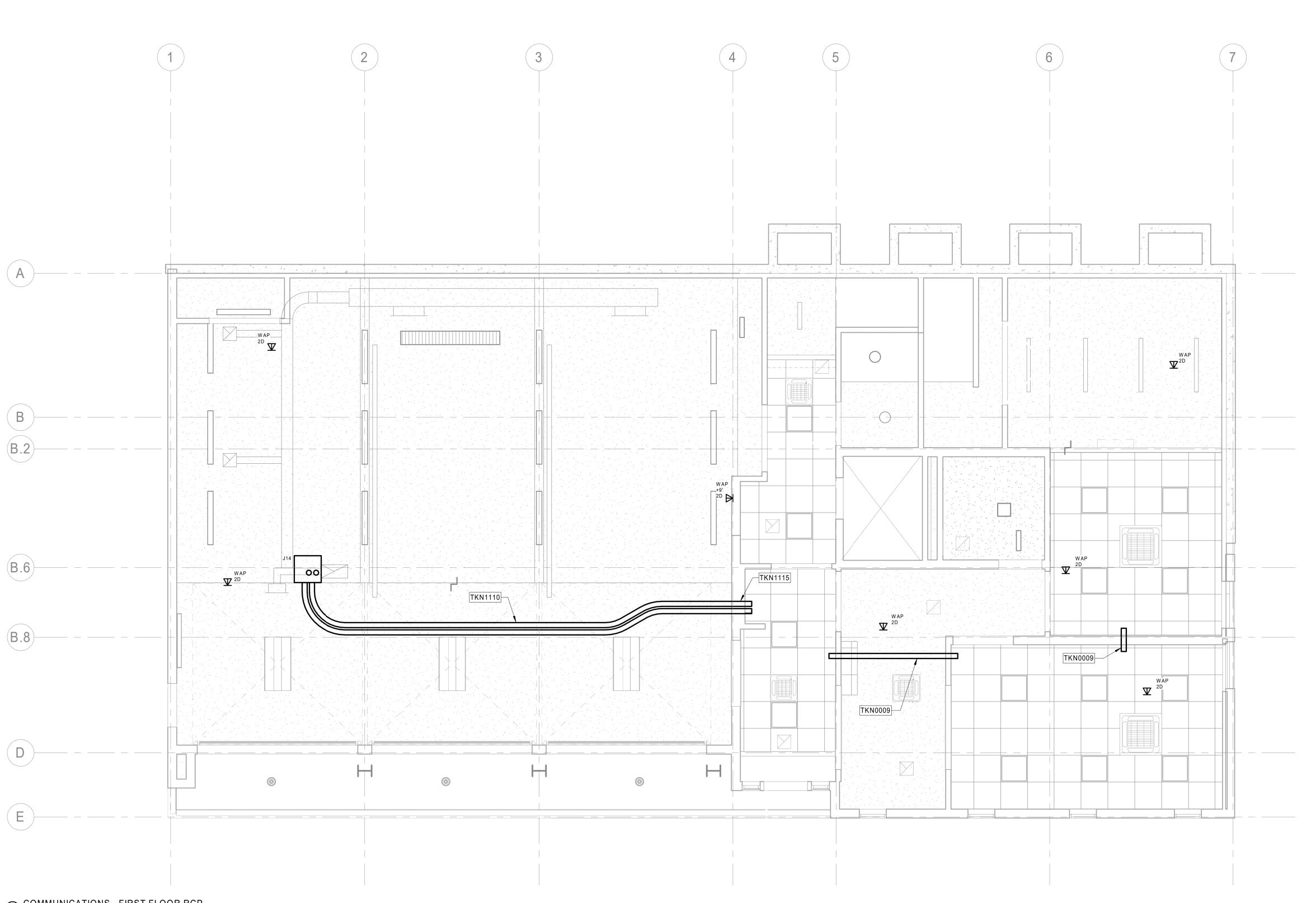
T: (415) 255-9140

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

DESCRIPTION ISSUED FOR PERMIT 04/01/2021 JOB NO.

COMMUNICATIONS - FIRST FLOOR RCP

TN602



1 COMMUNICATIONS - FIRST FLOOR RCP

CONTRA COSTA COUNTY

BUILDING INSPECTION DIVISION
PERMIT NUMBER

BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO

> 10:13 am, Aug 05, 2022 **REVIEWED**

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL.

By: ROSALINA ACUFF

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

TKN0019 (2) 4" C.

PROVIDE 12" WIDE CABLE RUNWAY (CR-12) SUPPORTED FROM CEILING/STRUCTURE. MOUNT BOTTOM @ 7'-6"

Smith, McDonald Inc. 351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

STAMP

RAY ENRIQUEZ REGIS. NO. 106011 EXPIRES 12/31/2022

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

T: (650) 394-8869 **BKF ENGINEERS** 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596

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

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

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

MONTEREY, CA 93940 CONTACT: RON BLUE

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

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

DESCRIPTION ISSUED FOR PERMIT 04/01/2021 JOB NO.

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION**

PERMIT NUMBER BICA22-004407

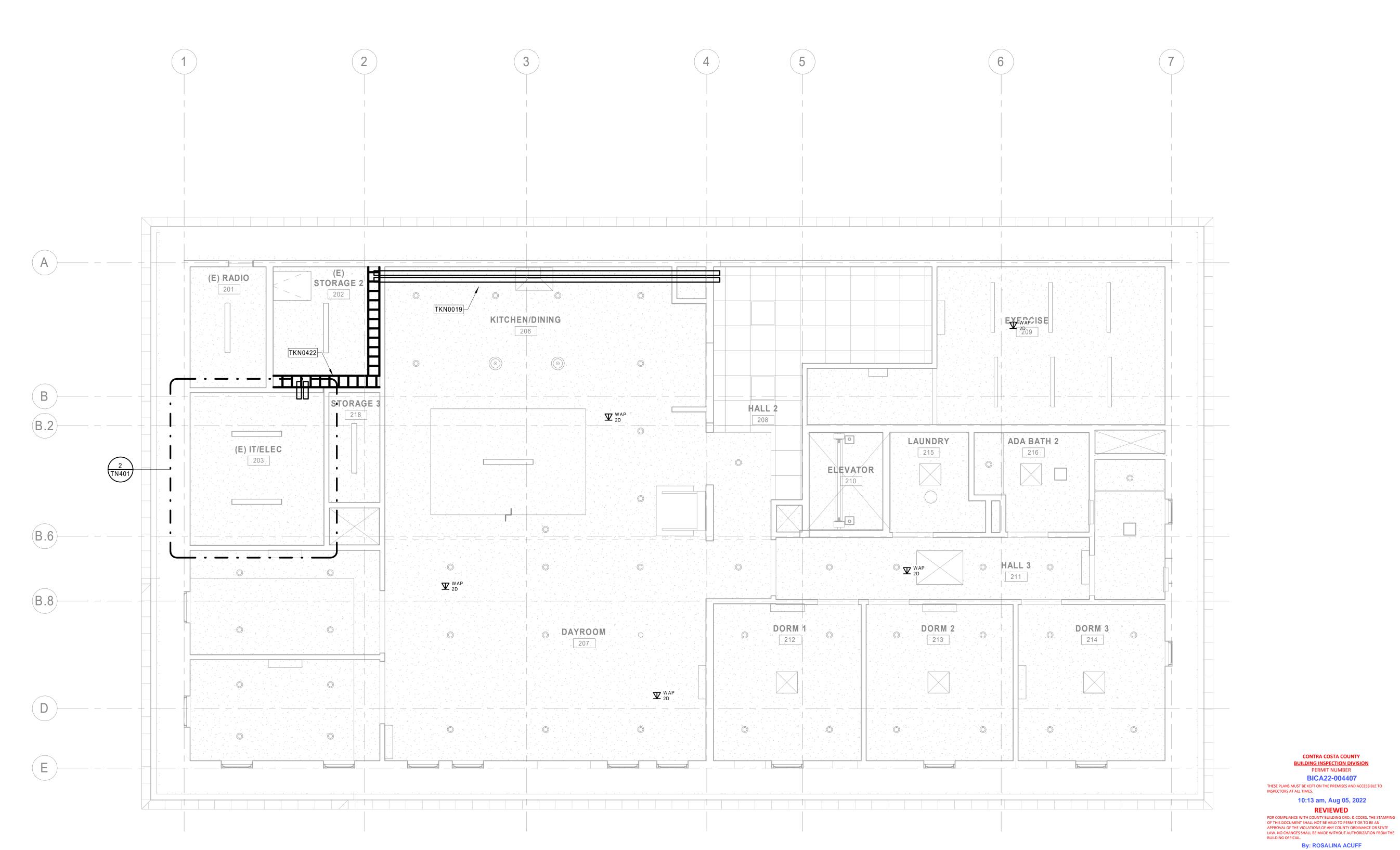
10:13 am, Aug 05, 2022

REVIEWED

By: ROSALINA ACUFF

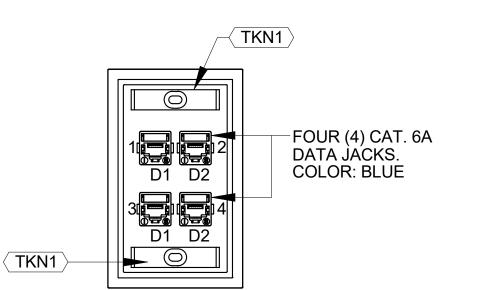
COMMUNICATIONS - SECOND FLOOR RCP

TN604



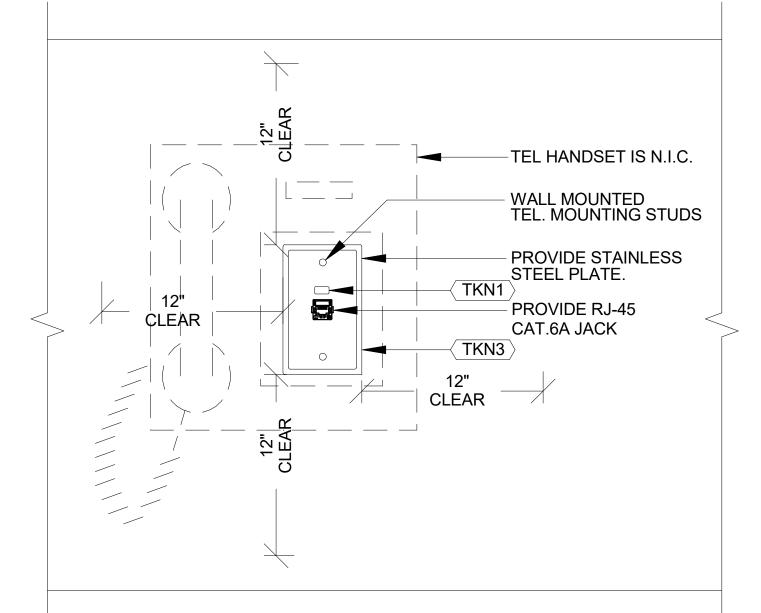
1) COMMUNICATIONS - SECOND FLOOR RCP 1/4" = 1'-0"

1 2 TWO (2) CAT.6A DATA JÁCKS. **COLOR: BLUE** PROVIDE BLANK COVERS \langle TKN1 \rangle



2D OUTLET

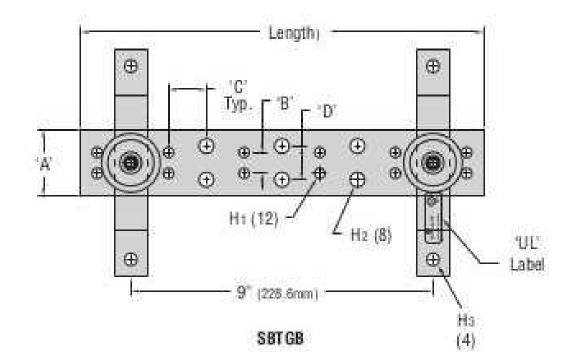
4D OUTLET



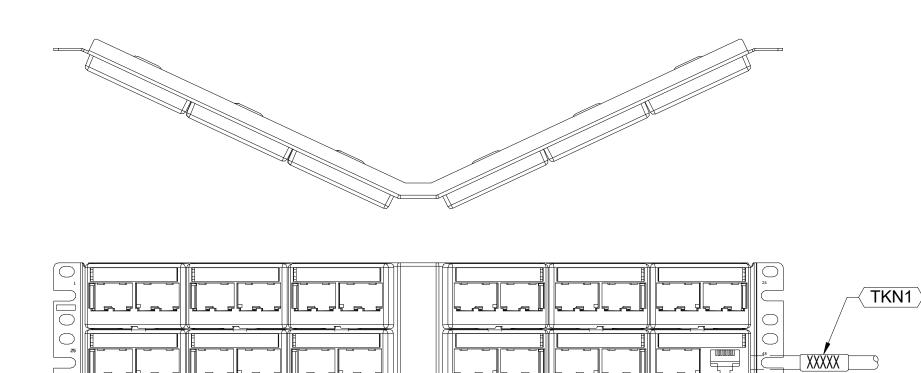
NTS

NTS

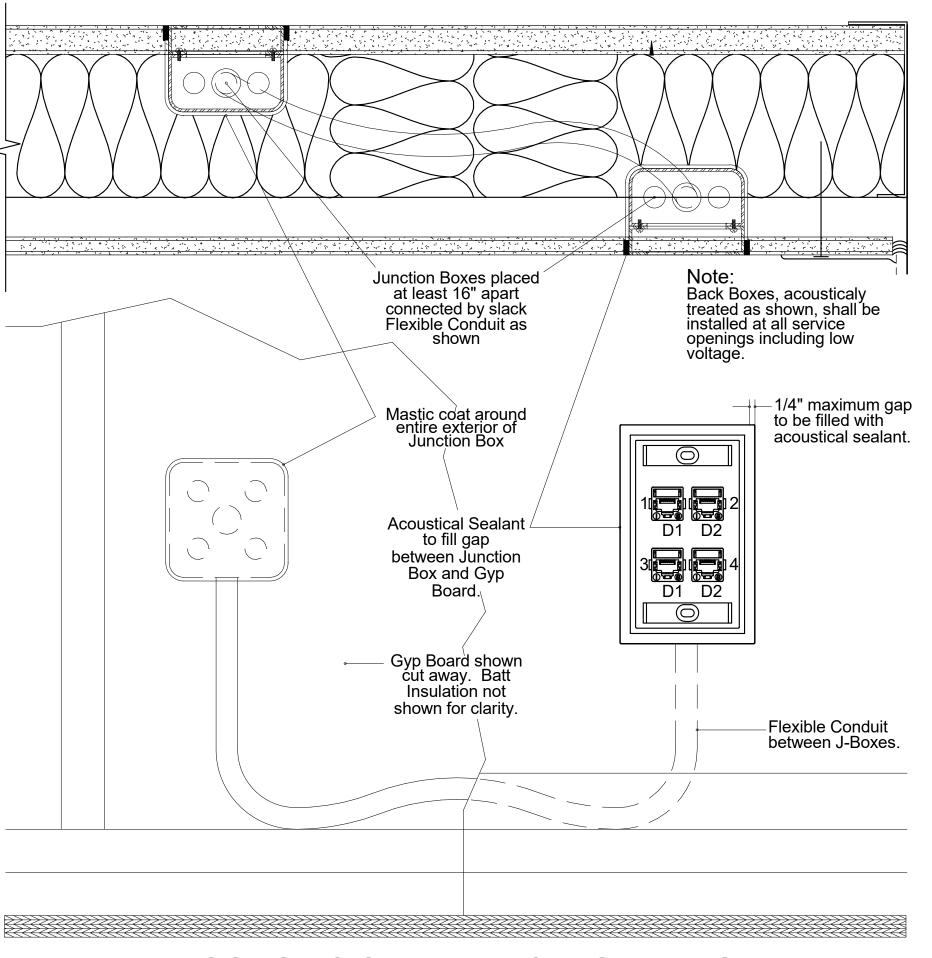
1V OUTLET



GROUNDING BUS BAR DETAIL



PATCH PANEL AND CABLE LABELING



ACOUSTIC SEALANT & INSULATION AT INTERIOR PARTITIONS NTS

SHEET NOTES

- RECEPTACLE ELEVATIONS ARE PROVIDED AS A CONVENIENCE FOR THE CONTRACTOR ONLY. RECEPTACLE ELEVATIONS GENERALLY REFLECT DESIGN BASIS OR SYSTEMS DESIGN BASIS ALTERNATES. CONTRACTOR TO COORDINATE ELEVATION WITH ALTERNATE
- RECEPTACLE ELEVATIONS MAY BE INCOMPLETE, REFER TO RECEPTACLE SCHEDULE FOR COMPLETE DETAILS.
- WHERE RECEPTACLE ELEVATIONS AND RECEPTACLE SCHEDULE CONFLICT. RECEPTACLE SCHEDULE TAKES PRECEDENCE OVER RECEPTACLE ELEVATIONS.

KEYNOTES

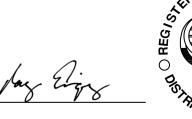
NTS

- TKN TELECOMMUNICATIONS SYSTEMS, WORK OF DIVISIONS 27.
- TKN1 LABEL THE OUTLET WITH THE IDF ROOM NUMBER, ROOM NUMBER OF THE WORK AREA, STATION NUMBER, JACK NUMBER (PREFIXED WITH TYPE "V" FOR VOICE, "D" FOR DATA) (EXAMPLE: "109 122-1-V1" WHERE "109" IS THE IDF, "122" IS THE ROOM WHERE THE JACK IS LOCATED, "1" IS THE STATION LOCATION, "V1" IS THE 1ST VOICE JACK IN THAT PARTICULAR WALL PLATE.
- TKN2 LABEL THE CABLE AND PATCH PANEL PORTS. MATCH THE JACKS LABEL.
- TKN3 PROVIDE 12" CLEAR ON ALL SIDES IN ORDER TO MOUNT THE TEL HANDSET. COORDINATE WITH ELECTRICAL AND SECURITY CONTRACTORS. HANDSET IS N.I.C.



351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

STAMP



PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

RAY ENRIQUEZ

REGIS. NO. 106011 EXPIRES 12/31/2022

PROJECT TEAM

CLIENT:

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

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

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

> T: (650) 394-8869 **BKF ENGINEERS** 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596

CONTACT: ERIC SWANSON

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

T: (925) 940-2200

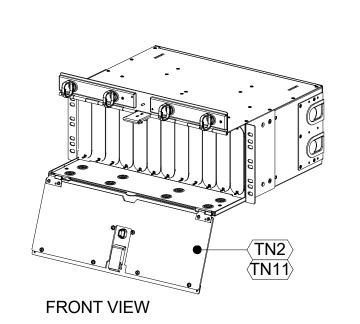
T: (510) 879-4544 LIST ENGINEERING CO. 2 HARRIS CT STE A7

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

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

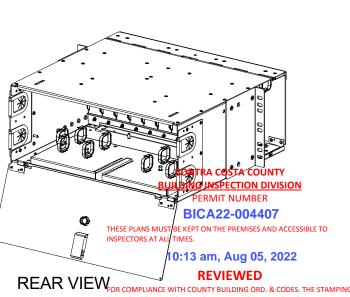
MONTEREY, CA 93940 CONTACT: RON BLUE T: (831) 373-4390

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



[52.3]

TWO PORT SMB



APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE By: ROSALINA ACUFF

FIBER PATCH PANEL

NTS

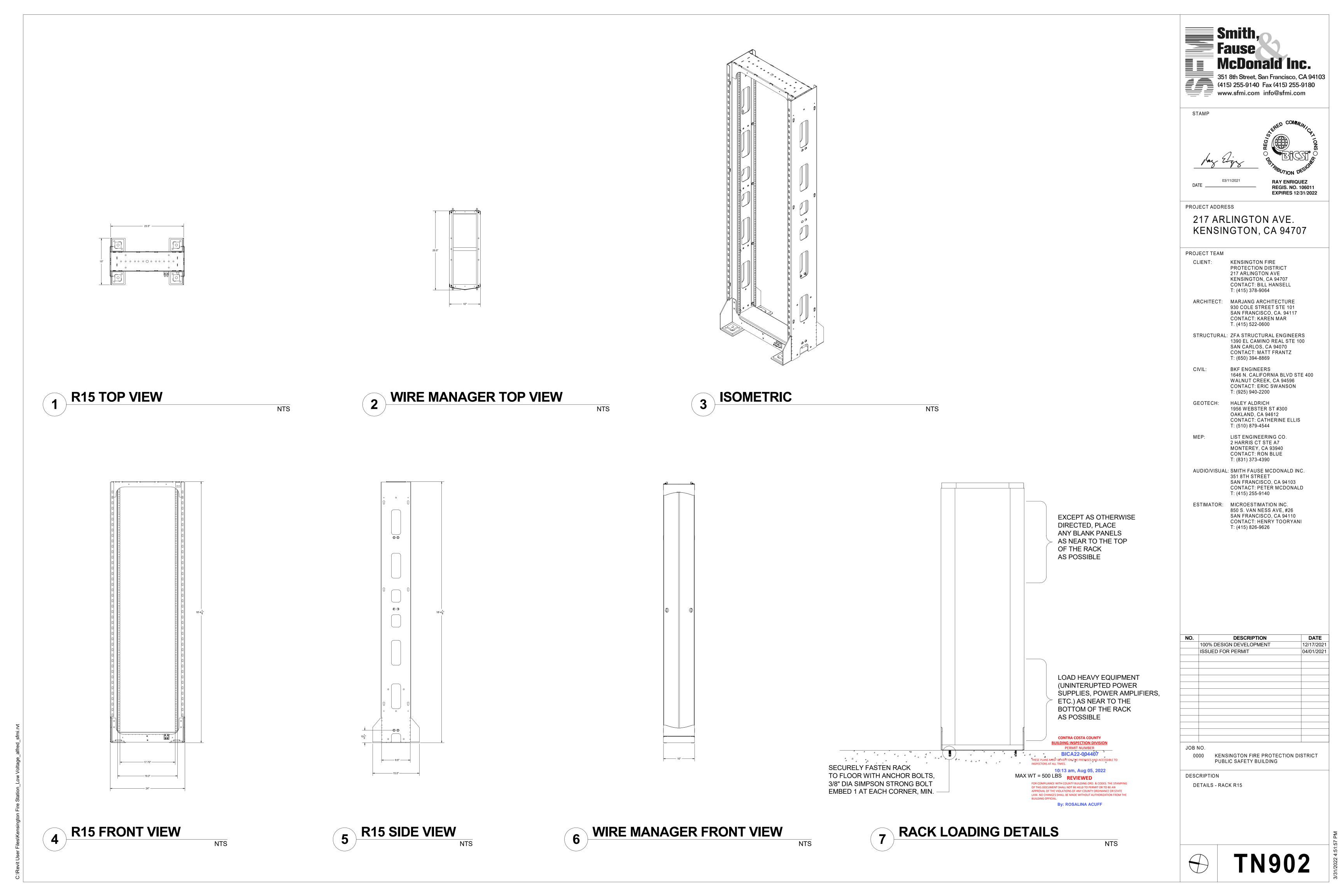
NTS

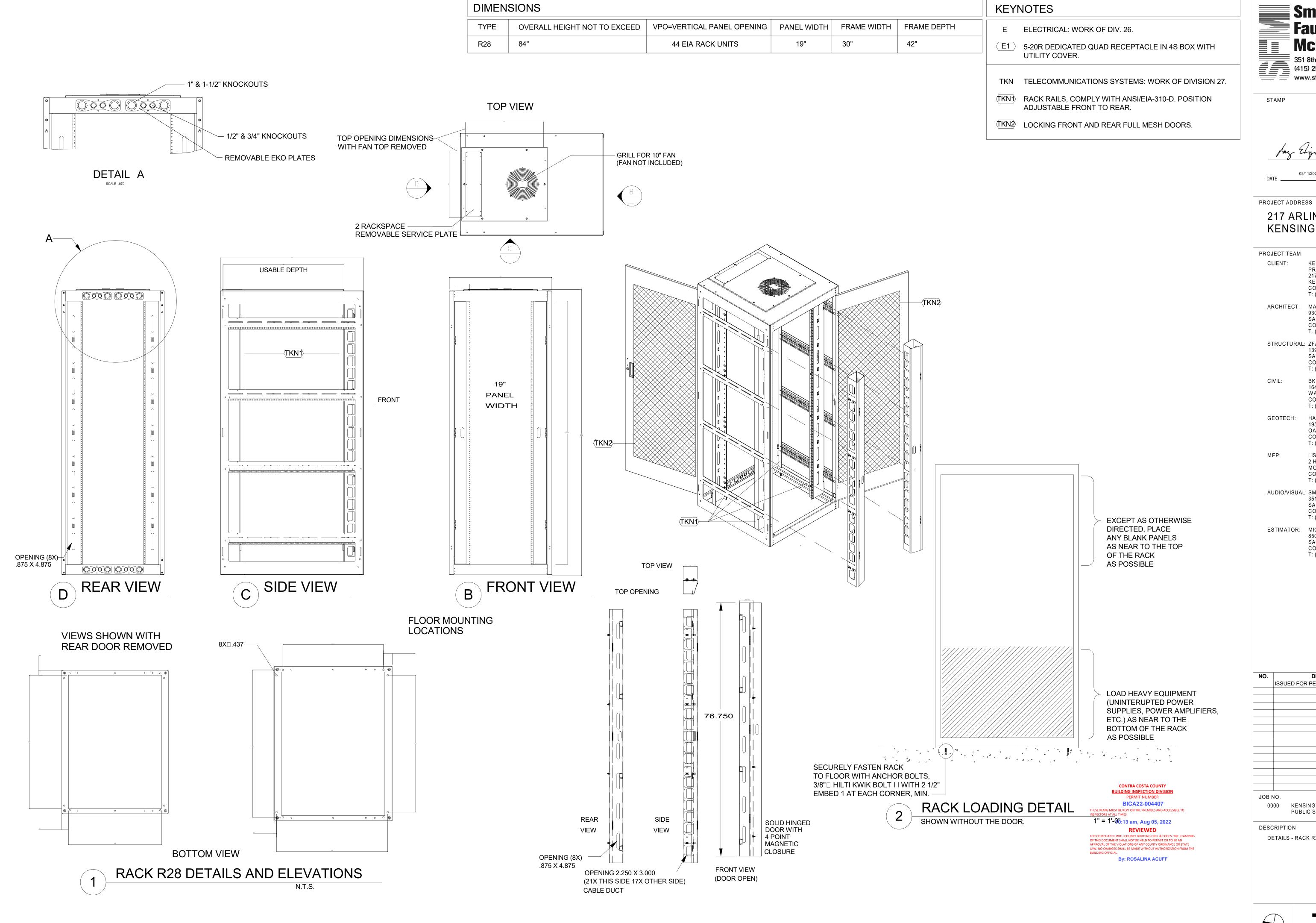
DESCRIPTION 100% DESIGN DEVELOPMENT 12/17/2021 ISSUED FOR PERMIT 04/01/2021 JOB NO. KENSINGTON FIRE PROTECTION DISTRICT

PUBLIC SAFETY BUILDING

DESCRIPTION **DETAILS - DEVICES**

TN901







(415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

> **RAY ENRIQUEZ REGIS. NO. 106011 EXPIRES 12/31/2022**



217 ARLINGTON AVE. KENSINGTON, CA 94707

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

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

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

CONTACT: MATT FRANTZ T: (650) 394-8869 **BKF ENGINEERS**

WALNUT CREEK, CA 94596

LIST ENGINEERING CO. 2 HARRIS CT STE A7

MONTEREY, CA 93940

1646 N. CALIFORNIA BLVD STE 400

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

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

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
	ISSUED FOR PERMIT	04/01/2021
JOB	NO.	

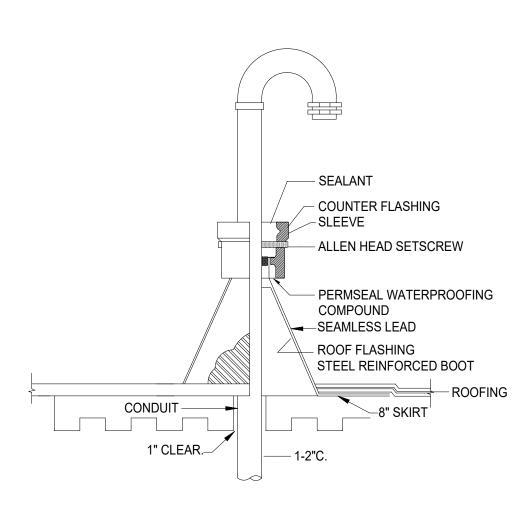
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

DETAILS - RACK R28



TN903



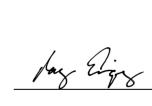
1 DETAILS - ROOF ENTRANCE WEATHERHEAD

BUILDING INSPECTION DIVISION PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. By: ROSALINA ACUFF

CONTRA COSTA COUNTY



STAMP





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PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

T: (650) 394-8869 CIVIL: **BKF ENGINEERS** 1646 N. CALIFORNIA BLVD STE 400 WALNUT CREEK, CA 94596

CONTACT: ERIC SWANSON

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

OAKLAND, CA 94612 CONTACT: CATHERINE ELLIS T: (510) 879-4544 LIST ENGINEERING CO.

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

2 HARRIS CT STE A7 MONTEREY, CA 93940

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

T: (415) 255-9140 ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26

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

NO.	DESCRIPTION	DATE
	ISSUED FOR PERMIT	04/01/2021
JOB	NO.	

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

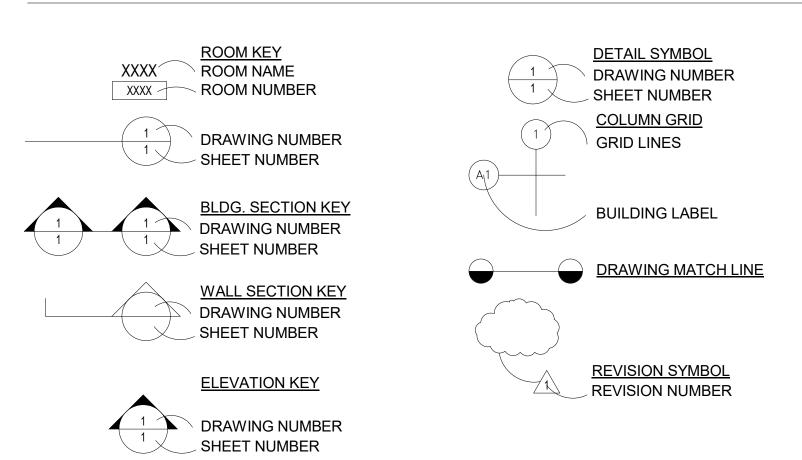
DETAILS - OUTSIDE PLANT



ELECTRONIC SECURITY SYSTEMS GENERAL NOTES

- 1 REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.
- 2 PROVIDE CONDUIT, BOXES AND FITTINGS SHOWN ON ELECTRONIC SECURITY SYSTEMS (TY) SYSTEM DRAWINGS UNDER THE WORK OF SECTION 28 05 28 PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY. UNLESS OTHERWISE INDICATED, PROVIDE 1 INCH TRADE SIZE MINIMUM . PROVIDE RACEWAY SIZE AS REQUIRED FOR A MAXIMUM OF 30 PERCENT WIRE FILL.
- 3 PROVIDE FIRESTOPPING UNDER THE WORK OF SECTION 28 05 28 PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY.
- 4 LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS.
- 5 DEVICE QUANTITIES SHOWN ON FLOOR PLANS AND REFLECTED CEILING PLANS TAKE PRECEDENCE OVER DEVICE QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS.
- 6 QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON RACK ELEVATIONS.
- 7 QUANTITIES SHOWN ON DEVICE SCHEDULES TAKE PRECEDENCE OVER QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS, FLOOR PLANS AND REFLECTED CEILING PLANS.
- 8 LOCATIONS SHOWN ON LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON SMALL SCALE DRAWINGS.
- 9 NOT USED.
- 10 WIRING FOR THE WORK OF ELECTRONIC SECURITY SYSTEMS IS NOT PERMITTED TO SHARE CONDUIT, SLEEVES OR J-HOOKS WITH WIRING FOR WORK OF DIVISION 27. MAINTAIN AT LEAST 2 INCHES SEPARATION IF RUNNING PARALLEL. MAINTAIN AT LEAST 3 INCHES OF SEPARATION VERTICALLY IF CROSSING AT RIGHT ANGLES.

GENERAL SYMBOLS



MATERIAL & EQUIPMENT LEGEND

MULTI MODE OPTICAL FIBER

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

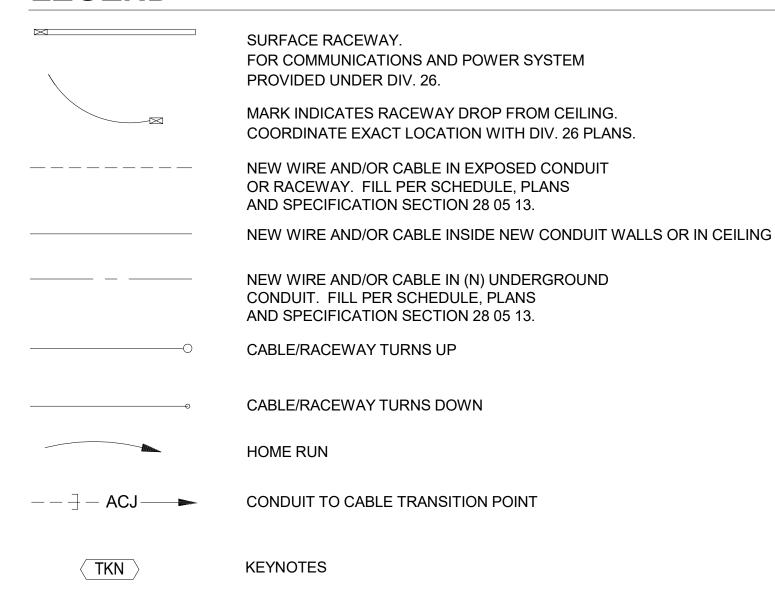
MULTIMEDIA PLATE

TYPES REFER TO SPECIFICATIONS.

MMP

1IDP	1" INNERDUCT, PLENUM RATED	OSP	OUTSIDE PLANT
2IDP	2" INNERDUCT, PLENUM RATED	SM	SINGLE MODE OPTICAL FIBER
C5ePP	CATEGORY 5e PATCH PANEL	UTP5e-4	UNSHIELDED TWISTED PAIR, CAT. 5e
C6PP	CATEGORY 6 PATCH PANEL.	UTP5e-4P	UNSHIELDED TWISTED PAIR, CAT. 5e PLENUM
FOH-P	FIBER OPTIC CABLE HYBRID, PLENUM RATED	UTP5e-4OP	UNSHIELDED TWISTED PAIR, CAT. 5e OUTSIDE PLANT
FOH-OPR	FIBER OPTIC CABLE HYBRID, OUTSIDE PLANT RISER RATED	UTP6-4	UNSHIELDED TWISTED PAIR, CAT. 6
FOM-OPR	FIBER OPTIC CABLE, MULTI MODE OUTSIDE PLANT RISER RATED	UTP6-4P	UNSHIELDED TWISTED PAIR, CAT. 6 PLENUM
FOS-OPR	FIBER OPTIC CABLE, SINGLE MODE OUTSIDE PLANT RISER RATED	UTP6-4OP	UNSHIELDED TWISTED PAIR, CAT. 6 OUTSIDE PLANT
FPP	FIBER PATCH PANEL	110TBXX	110 TERMINAL BLOCK, CAT.5, XX-NO OF PAIRS
FSC	FIBER SPLICE CLOSURE	110PWTBXX	110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR,
FSP	FIBER SPLICE PANEL	TIOFWIDAX	XX- NO OF PAIRS
FTB	FIBER TERMINAL BOX	TB15	TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.
IDF	INTERMEDIATE DISTRIBUTION FACILITY	1510	TERMINAL BESSIC WITH TO AMIL SWIT SIT BEAUE.
MDF	MAIN DISTRIBUTION FACILITY.		

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	E - NEMA 1	С	- NEMA 4
Α	- NEMA 12	D	- NEMA 4X
В	- 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.

۸DD	DEVIATIONS
ADD	REVIATIONS
1SR-1	
	THREE CHAMBER SURFACE RACEWAY AMERICANS WITH DISABILITIES ACT
A.D.A. ADF	
	ABOVE FINISHED CEILING
	ABOVE FINISHED FLOOR
ALT AMEE	ALTERNATE ABOVE MEZZANINE FINISHED FLOOR
	BUILDING DISTRIBUTION FACILITY
	BELOW FINISHED CEILING
	BUILDING BACK OF HOUSE
	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
φ, 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 MINIMUM MODULAR MONUMENT NEW NATIONAL ELECTRICAL CODE N.I.C. NOT IN CONTRACT NOT TO SCALE ON CENTER OUTSIDE DIAMETER OWNER FURNISHED EQUIPMENT OPPOSITE PNL. PANEL PROJ. PROJECT PROJECT STANDARD RECEPTACLE HEIGHT +18" AFF, U.O.N. PROJECT STANDARD SWITCH HEIGHT +48" AFF TO €, U.O.N.

SINGLE MODE OPTICAL FIBER SN SHEET NOTE SHIELDED PAIR - SEE SPECIFICATIONS SPECIFICATION SURFACE RACEWAY

REFER TO REFERENCE SIMILAR

STANDARD SHIELDED TWISTED PAIR TELECOMMUNICATIONS CLOSET

TEL TELEPHONE TELCOM TELECOMMUNICATIONS

TELECOMMUNICATIONS INDUSTRY ASSOCIATION

TWISTED PAIR TYP. **TYPICAL**

UNLESS OTHERWISE NOTED

WEATHERPROOF

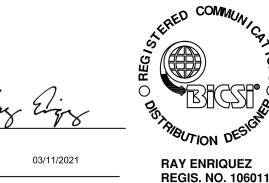
CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO 10:13 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES, THE STAMPING APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE

By: ROSALINA ACUFF

Smith, McDonald Inc.

351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

STAMP



EXPIRES 12/31/2022

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

DESCRIPTION 100% DESIGN DEVELOPMENT 12/17/2021 ISSUED FOR PERMIT 04/01/2021

JOB NO. 0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS AND JBOX SCHEDULE



YMBOL	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
CN	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
CR	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
СКР	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) ¾" 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) ¾" C. STUBBED UP TO ACCESSIBLE CEILING.	+84" AFF TO CL U.O.N.	SEE ACS FUNCTIONAL DIAGRAM	AS SPECIFIED	
KP	KEYPAD, INTRUSION. PROVIDE MULTIPLE ZONES OR PARTITIONS, AS DIRECTED BY THE CITY'S REPRESENTATIVE.	INTRUSION DETECTION	INDICATED	28 13 00	4S BOX W/ 1 G RING, U.O.N.	(1) 1" C. UP TO ACCESSIBLE CEILING SPACE.	+44" AFF TO CL, U.O.N.	AS SPECIFIED	AS SPECIFIED	
PO	POWERED OPERATOR, MOTOR ASSISTED DOOR	ACCESS CONTROL	INDICATED	WO2	N/A - STUB TO MOTOR CONTROLLER AT LV TERMINAL SIDE.	SEE TY-901	ABOVE THE DOOR FRAME.	SEE ACS FUNCTIONAL DIAGRAM	N/A	
RB	RELEASE DOOR BUTTON, CASEWORK MOUNTED	ACCESS CONTROL	UNDERSIDE OF CASEWORK	28 16 19	AS SPECIFIED	(1) ¾" 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) ¾" 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

ELECTRIC LOCK, ELECTRIC STRIKE, TRANSFER HINGE AND PANIC DOOR REX INTEGRATED IN PANIC HARDWARE BY DIV. 8, LOW VOLTAGE FIELD WIRING AND POWER SUPPLIES BY DIVISION 28

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

NOTE NO. LOCATION & ROUGH-IN NOTES

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

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

4S BOX W/ BLANK COVER PLATE W/ GROMMET OPENING MTD WITHIN 6" OF LATCH AT UNDERSIDE OF ROOF. EXTEND HS TO HATCH FRAME AND INSTALL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.

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

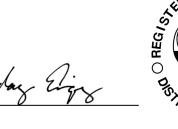
> CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO INSPECTORS AT ALL TIMES. 10:13 am, Aug 05, 2022 REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE By: ROSALINA ACUFF



(415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

> **RAY ENRIQUEZ REGIS. NO. 106011 EXPIRES 12/31/2022**

STAMP



03/11/2021

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

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

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ISSUED FOR PERMIT 04/	17/202
	01/202
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0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

> DESCRIPTION SYMBOL SHCEDULE

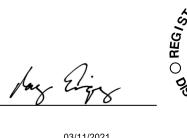


TKN2045 CONFIGURE THE READER TO PROVIDE ACCESS FOR A VALID FOB OR A VALID CODE.



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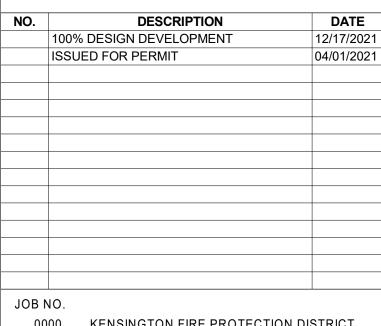
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DESCRIPTION

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION**

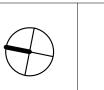
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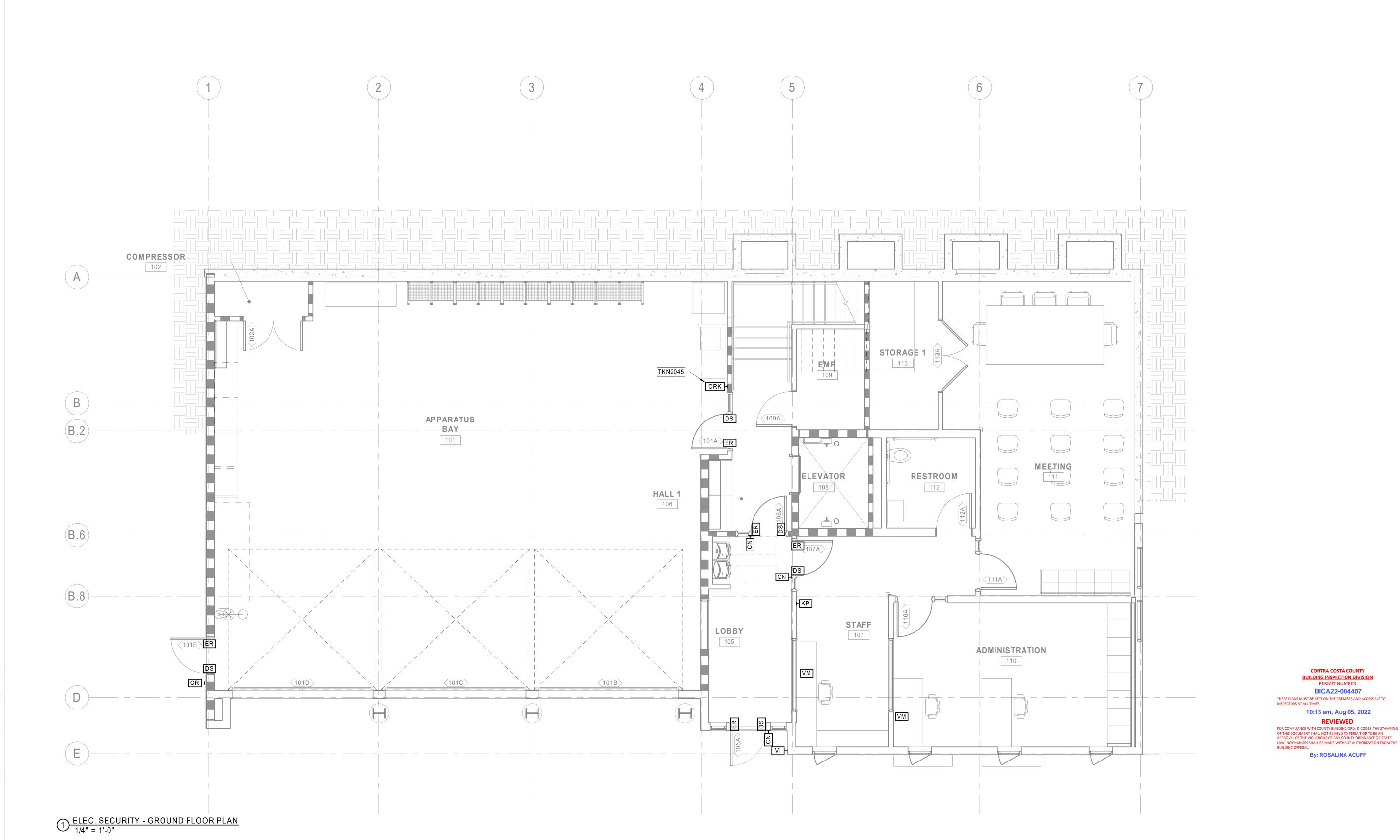
10:13 am, Aug 05, 2022

REVIEWED

By: ROSALINA ACUFF

ELEC. SECURITY - GROUND FLOOR PLAN





CONFIGURE THE READER TO PROVIDE ACCESS FOR A VALID FOB OR A VALID CODE.



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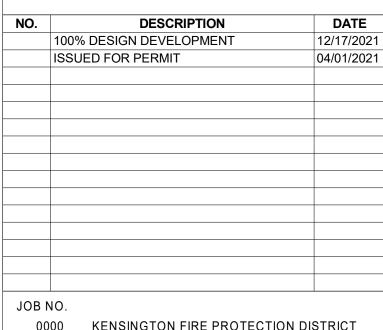
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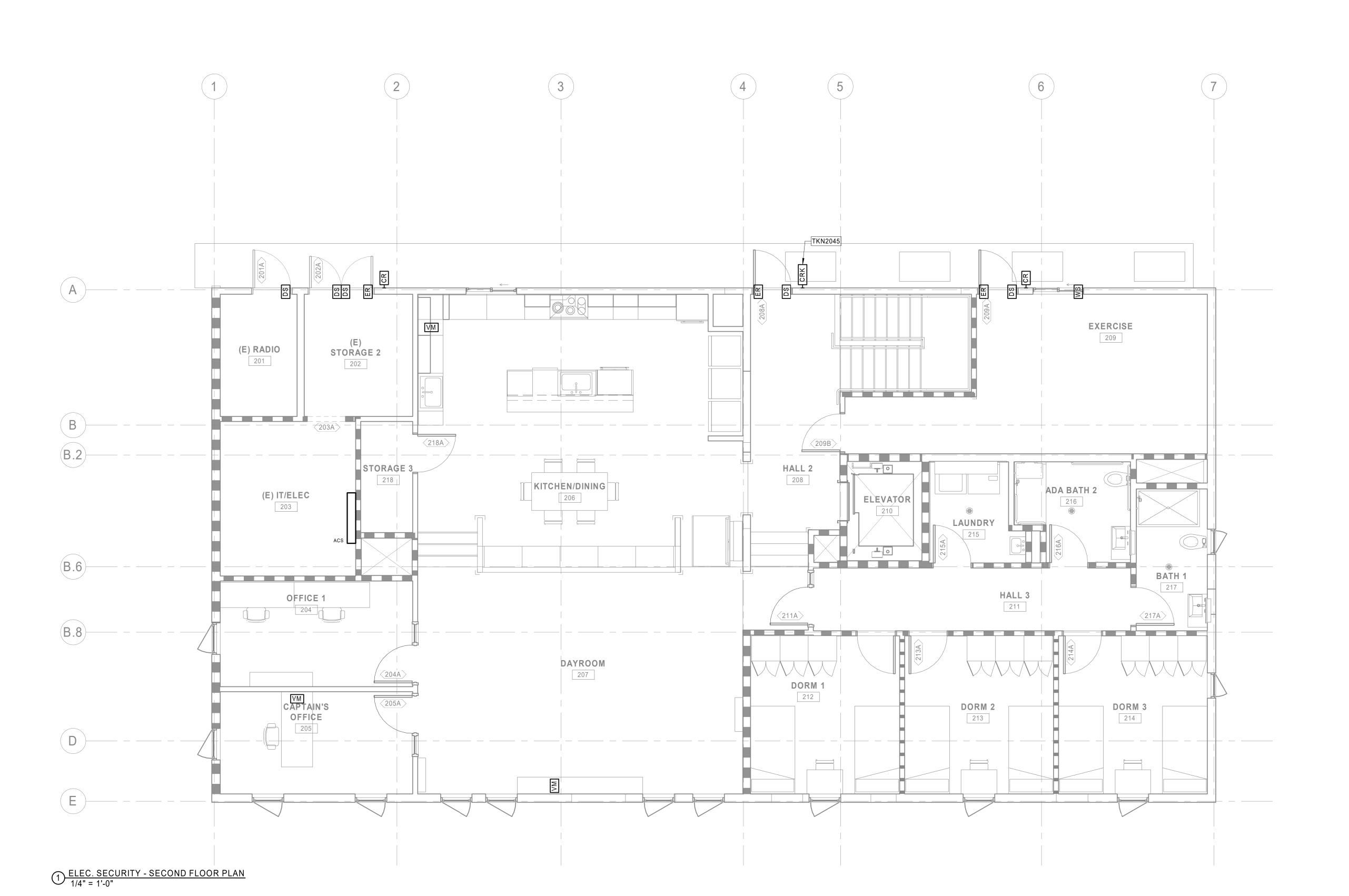
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DESCRIPTION

ELEC. SECURITY - SECOND FLOOR PLAN



CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION** PERMIT NUMBER BICA22-004407 THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE TO 10:13 am, Aug 05, 2022 **REVIEWED**

FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES. THE STAMPING OF THIS DOCUMENT SHALL NOT BE HELD TO PERMIT OR TO BE AN APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE LAW. NO CHANGES SHALL BE MADE WITHOUT AUTHORIZATION FROM THE

By: ROSALINA ACUFF



STAMP



RAY ENRIQUEZ REGIS. NO. 106011 **EXPIRES 12/31/2022**

PROJECT ADDRESS

217 ARLINGTON AVE. KENSINGTON, CA 94707

PROJECT TEAM

CIVIL:

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

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

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

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

WALNUT CREEK, CA 94596

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

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

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

LIST ENGINEERING CO. 2 HARRIS CT STE A7

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.

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

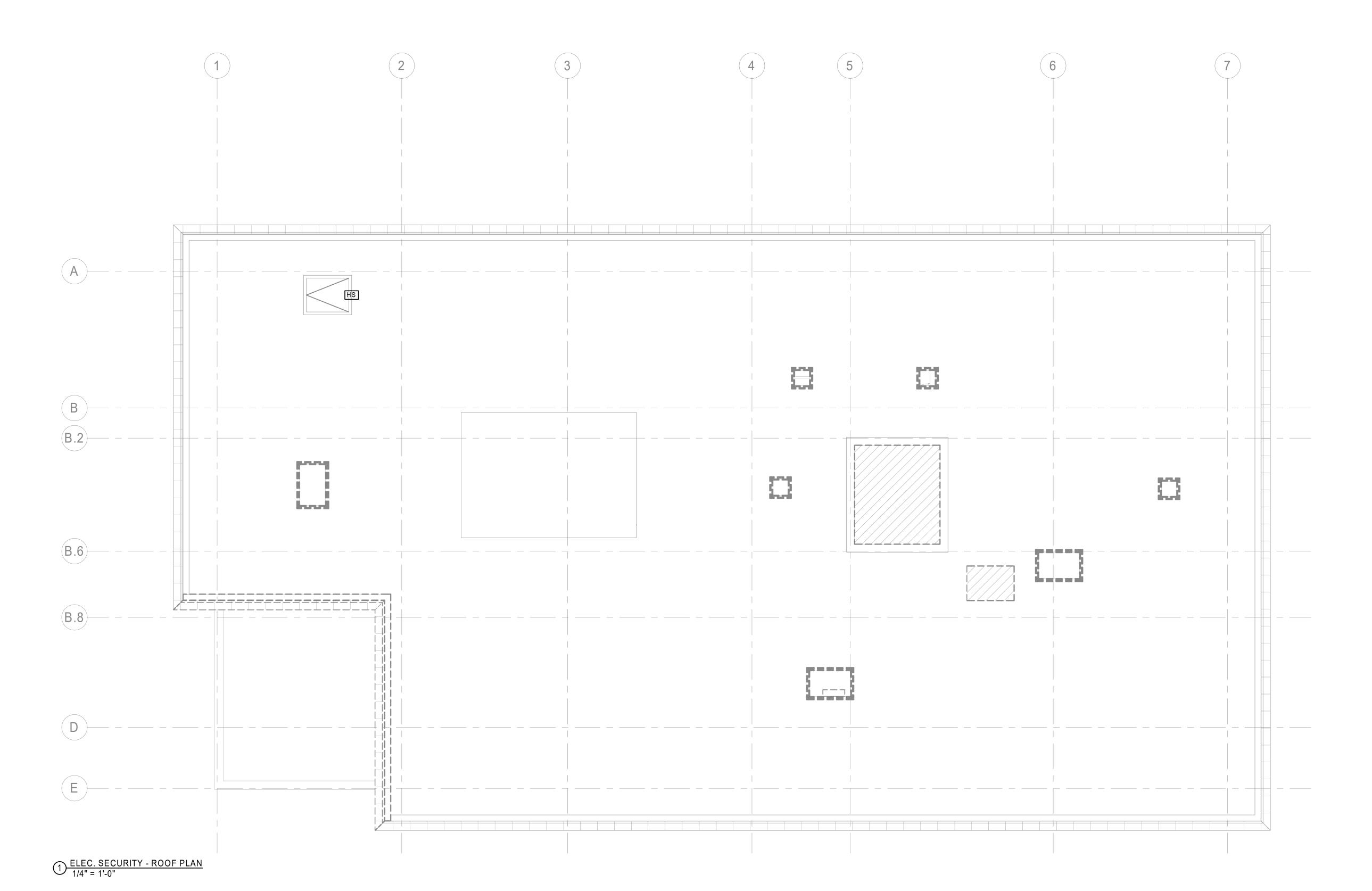
ESTIMATOR: MICROESTIMATION INC. 850 S. VAN NESS AVE, #26 SAN FRANCISCO, CA 94110 CONTACT: HENRY TOORYANI T: (415) 826-9626

DESCRIPTION 100% DESIGN DEVELOPMENT 12/17/2021 ISSUED FOR PERMIT 04/01/2021 JOB NO.

0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

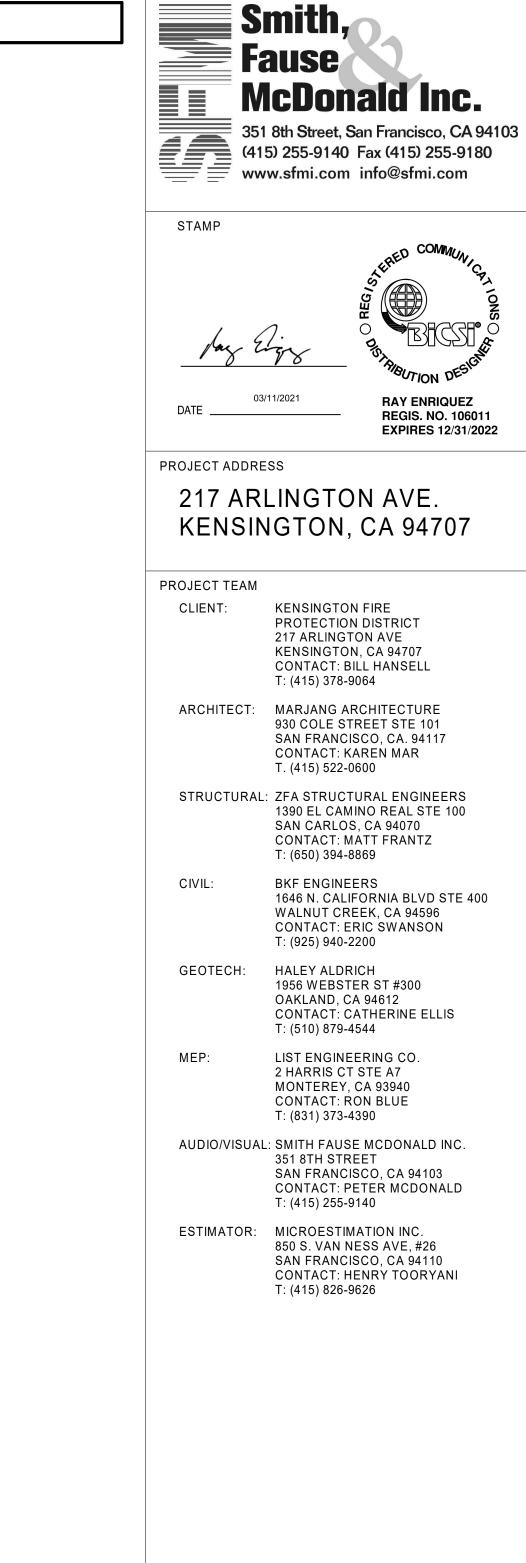
ELEC. SECURITY - ROOF PLAN

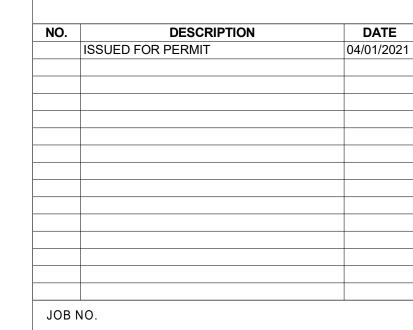


CONTRA COSTA COUNTY BUILDING INSPECTION DIVISION
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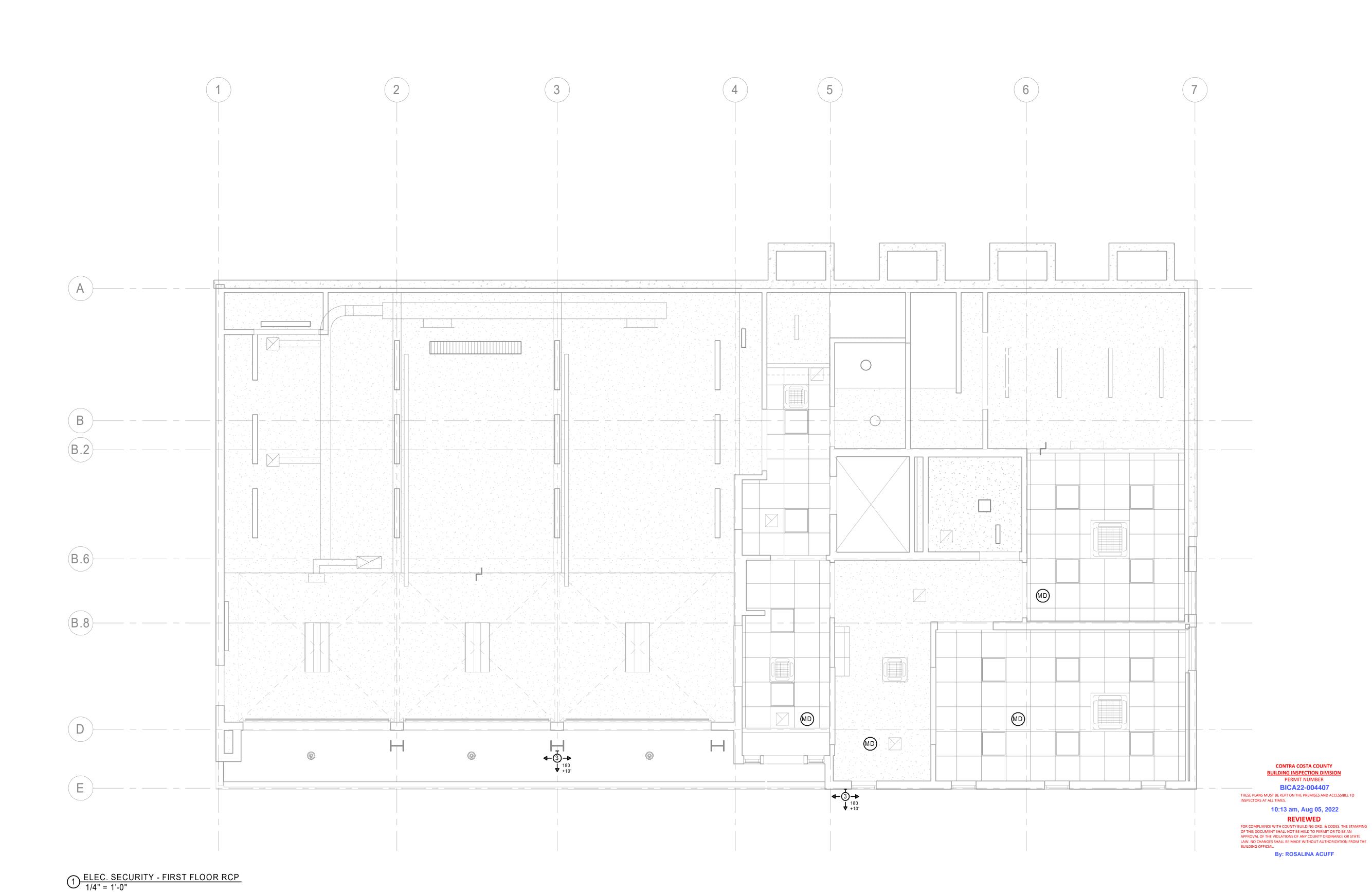


0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

ELEC. SECURITY - FIRST FLOOR RCP

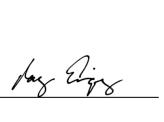
TY602



PROVIDE CORNER BRACKET TO HAVE A 270 DEGREE COVERAGE.



STAMP



RAY ENRIQUEZ REGIS. NO. 106011 EXPIRES 12/31/2022

www.sfmi.com info@sfmi.com

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0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

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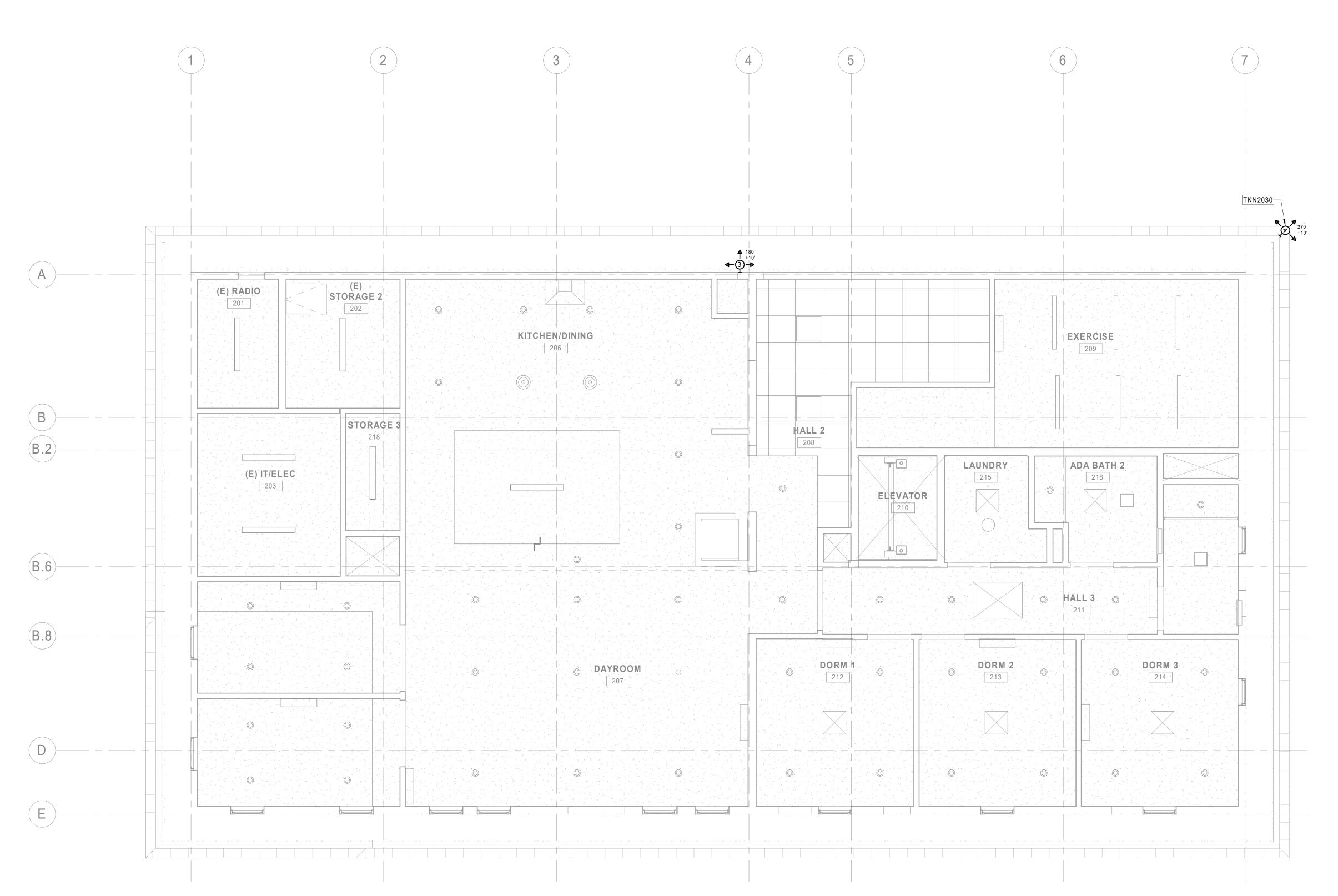
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ELEC. SECURITY - SECOND FLOOR RCP

TY604



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

1 ACCESS CONTROL AND IDS SINGLE LINE DIAGRAM

-⟨TKN10⟩

SHEET NOTES

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

KEYNOTES

- ARCHITECTURAL: COMPLY WITH DIVISIONS 3 THROUGH 14 - SEE ARCHITECTURAL DRAWINGS.
- DOOR POWER OPERATOR, WHERE OCCURS REFER TO DOOR SCHEDULE AND DIVISION 8 SPECIFICATIONS.
- TELECOMMUNICATIONS & ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISIONS 27
- 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
- \langle TKN5 \rangle THE ADA DOOR OPERATOR/ACTUATOR SHALL BE CONTROLLED BY THE ACS CONTROLLER.
- TKN6 CAT 6 PATCH CORDS. PROVIDE QTY. AS REQUIRED.
- TKN7 MULTMEDIA PLATE (BISCUIT BOX) BY FOR TERMINATION OF STATION CABLING. CONCEAL INSIDE ACS GUTTER.
- TKN8 PROVIDE POWER SUPPLY WITH 2-HR BATTERY BACKUP, AS SPECIFIED.
- TKN9 1 CAT 6 CABLE. REFER TO PLANS.
- TKN10 INPUT CLOSURE FROM FIRE ALARM PANEL. COORDINATE WITH THE CITY WHICH DOORS REQUIRE TO BE UNLOCKED.
- TKN11 WORK OF DIV. 27.

SEQUENCE OF OPERATION

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

CONTRA COSTA COUNTY **BUILDING INSPECTION DIVISION**

PERMIT NUMBER BICA22-004407

10:13 am, Aug 05, 2022

REVIEWED FOR COMPLIANCE WITH COUNTY BUILDING ORD. & CODES, THE STAMPING

APPROVAL OF THE VIOLATIONS OF ANY COUNTY ORDINANCE OR STATE

By: ROSALINA ACUFF

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Smith, McDonald Inc.

351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com

STAMP



RAY ENRIQUEZ REGIS. NO. 106011

PROJECT ADDRESS

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EXPIRES 12/31/2022

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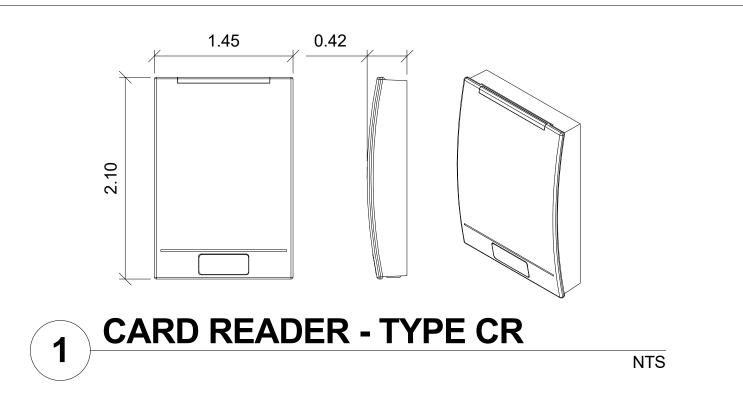
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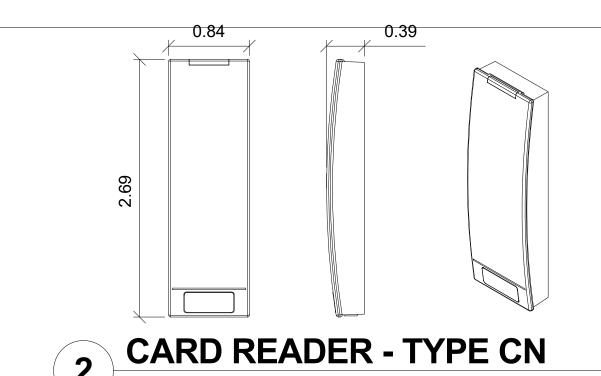
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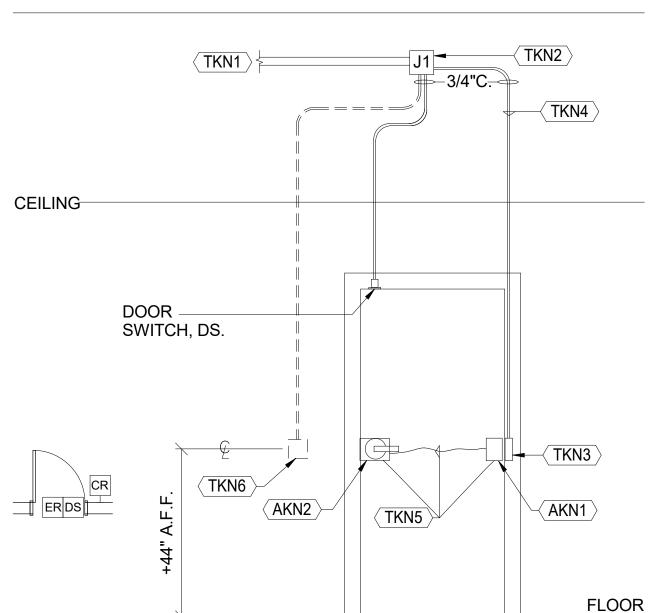
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DESCRIPTION

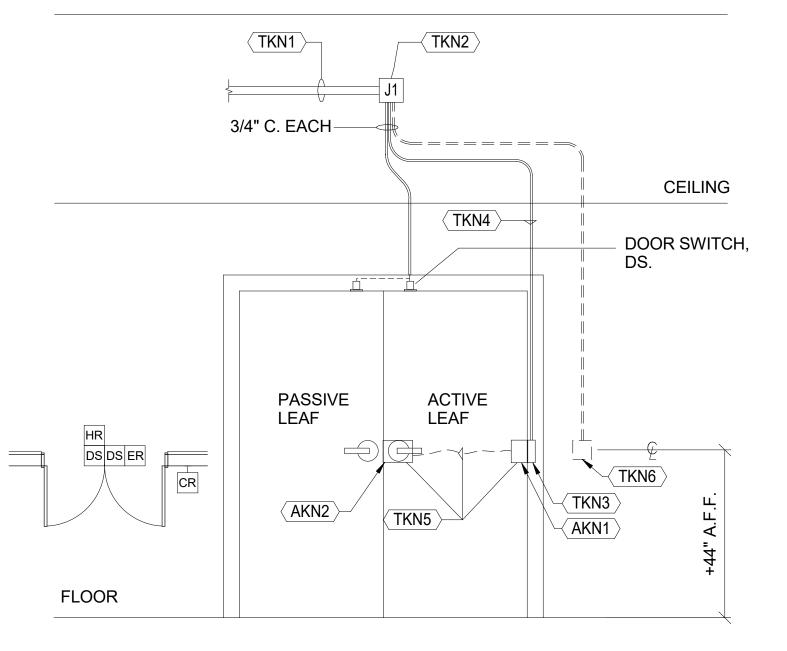
ACCESS CONTROL AND IDS SINGLE LINE DIAGRAM



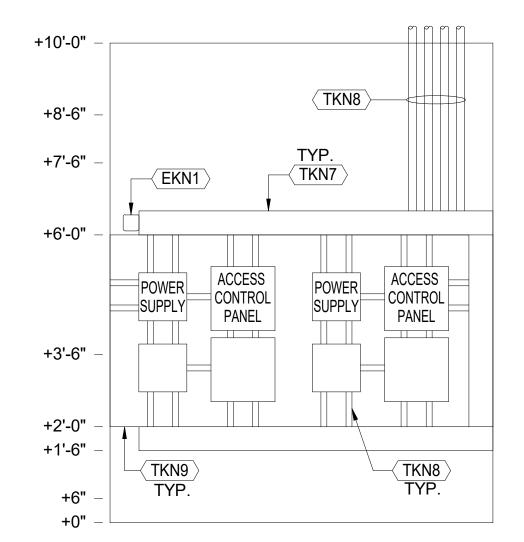




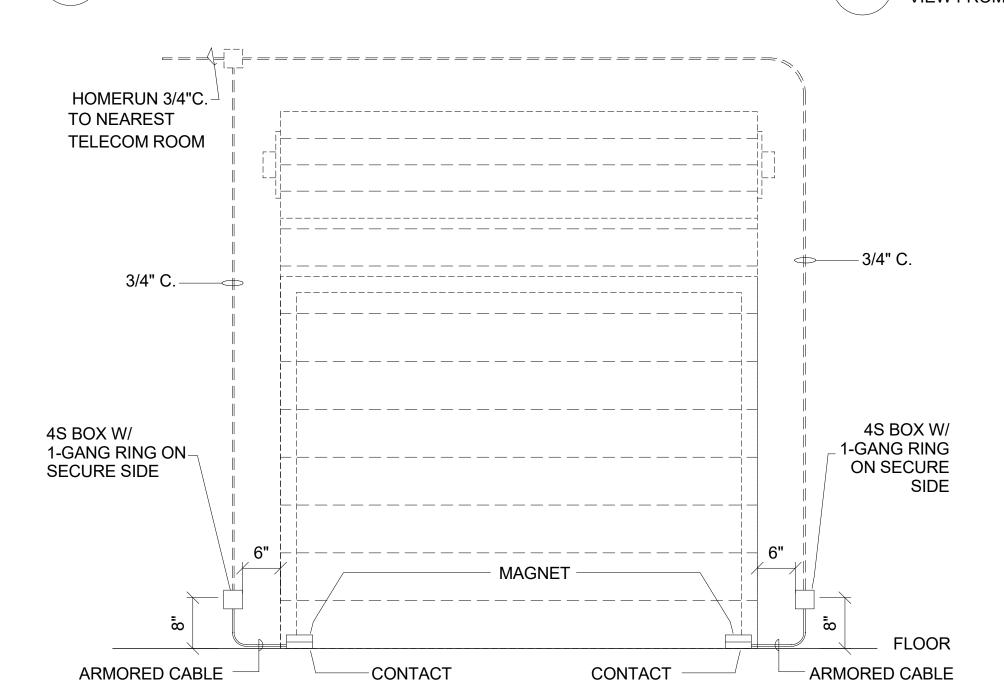
TYPICAL ACCESS CONTROLLED SINGLE DOOR ELEVATION, DOOR HARDWARE EXIT ALARM SUPPRESSION



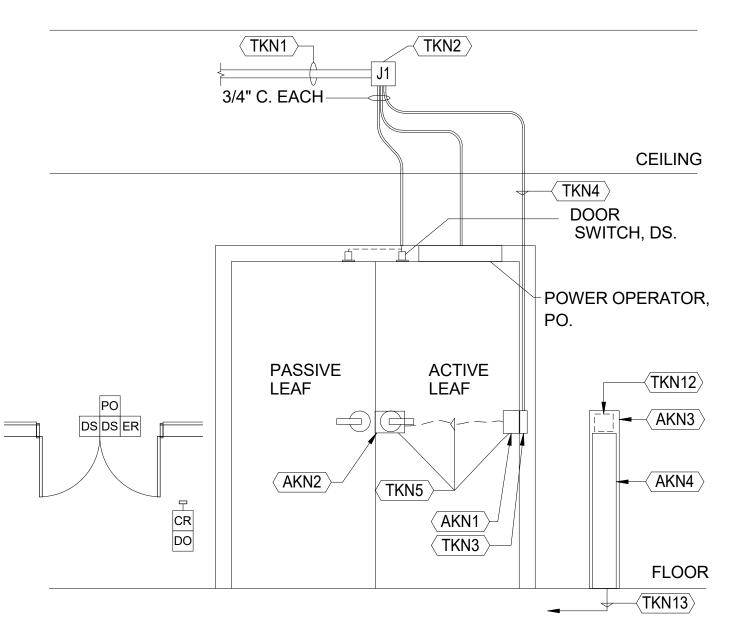
TYPICAL ACCESS CONTROLLED DOUBLE DOOR OPENING, WALL MOUNT CARD READER, DOOR HARDWARE EXIT ALARM SUPPRESSION



ACS ELEVATION VIEW FROM SECURE SIDE, CEILING ACCESS NTS



DU - OVERHEAD DOOR POSITION SWITCH



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

SHEET NOTES

- NOT EVERY DOOR CONDITION IS DEPICTED. REFER TO THE FLOOR PLANS FOR THE DEVICES REQUIRED AT EACH OPENING AND PROVIDE ROUGH-IN AS REQUIRED BASED ON SIMILAR ASSEMBLIES DETAILED ON THE TY SHEETS.
- 2. AT ACCESSIBLE CEILING CONDITIONS, SUPPORT ELECTRONIC SECURITY CABLING ON CABLE HOOKS OR BASKET TRAYS.
- WHERE ESS SIGNAL CABLING IS CONSOLIDATED WITH A NETWORK OF CONDUITS AND PULL BOXES, MAINTAIN 40% MAXIMUM FILL.
- 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

Smith, **Fause** McDonald Inc.

351 8th Street, San Francisco, CA 94103 (415) 255-9140 Fax (415) 255-9180 www.sfmi.com info@sfmi.com



REGIS. NO. 106011 EXPIRES 12/31/2022

217 ARLINGTON AVE.

KEYNOTES

- ARCHITECTURAL. WORK OF DIVISIONS 8.
- TRANSFER HINGE WITH 2 PR CONDUCTORS MIN.
- ER DOOR HANDLE OR PANIC HARDWARE WITH MECHANICAL LOCK AND INTEGRAL ALARM SUPPRESSION MICRO-SWITCH TO DETECT OPERATION OF DOOR FROM SECURE SIDE.
- ARCHITECTURAL PEDESTAL WHERE OCCURS, SEE PLANS.
- 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.
- PROVIDE TWO DEDICATED 20A CKT, 120V HARDWIRED FOR ACCESS CONTROL SYSTEM POWER.
- **ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISION 28**
- EXTEND 1.25" MIN C. TO THE NEAREST TELECOM ROOM.
- LOCATE ABOVE DOOR AT SECURED ACCESSIBLE CEILING CONDITIONS. AT GYP CEILING CONDITIONS, LOCATE REMOTELY AT NEAREST UTILITY SPACE.
- PROVIDE MUD BOX INSIDE DOOR FRAME AT GROUTED DOOR ASSEMBLIES.
- STUB CONDUIT INSIDE DOOR FRAME TO ABOVE THE MIDDLE HINGE OPPOSITE DOOR HANDLE/EL/ER/ES/PANIC HW. MEASURE DOOR ON SITE. COORDINATE SIDE OF DOOR SCHEDULED TO RECEIVE ACTIVE DOOR HARDWARE, INCLUDING EL OR ES WITH **WORK OF DIVISION 8**
- DOOR HARDWARE (DOOR HANDLE, ES, EL, ER, AND/OR PHR AS APPLIES) AND TRANSFER HINGE FURNISHED AND INSTALLED UNDER THE WORK OF DIVISION 8. WORK OF DIVISION 28 WIRES LOCKING HARDWARE VIA TRANSFER HINGE AND PROVIDES WIRING AND PATHWAY BACK TO DGP.
- WALL OR PEDESTAL MOUNTED CARD READER WITH 4S BOX AND 1 GANG RING INSTALLED FACING UN-SECURE SIDE OF DOOR. REFER TO PLANS FOR LEFT OR RIGHT SIDE PLACEMENT.
- PROVIDE 6"X6" METALLIC WIREWAY/GUTTER.
- TKN8 PROVIDE MULTIPLE 1"C. AND 2"C. AS REQUIRED.
- PROVIDE 3/4" THICK FIRE RESISTANT TREATED PLYWOOD BACKBOARD. PROVIDE AS MANY AS SHOWN ON PLAN. PAINT COLOR WHITE TRIM TO FIT. LEAVE ONE FIRE RATING STAMP PER SHEET OF PLYWOOD UNPAINTED.
- FUTURE WALL OR PEDESTAL MOUNTED CARD READER WITH 4S BOX AND 1 GANG RING INSTALLED FACING UN-SECURE SIDE OF DOOR. REFER TO PLANS FOR LEFT OR RIGHT SIDE PLACEMENT
- EXTEND 1" CONDUIT TO ACCESSIBLE CEILING SPACE
- CARD READER MOUNTED TO WALL OR PEDESTAL AT POWER DOOR OPERATOR ENABLED ENTRIES ON UN-SECURE SIDE.
- PROVIDE 1" C. TO NEAREST IDF ROOM.

BUILDING INSPECTION DIVISION **BICA22-004407** THESE PLANS MUST BE KEPT ON THE PREMISES AND ACCESSIBLE 10:13 am, Aug 05, 2022

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KENSINGTON, CA 94707

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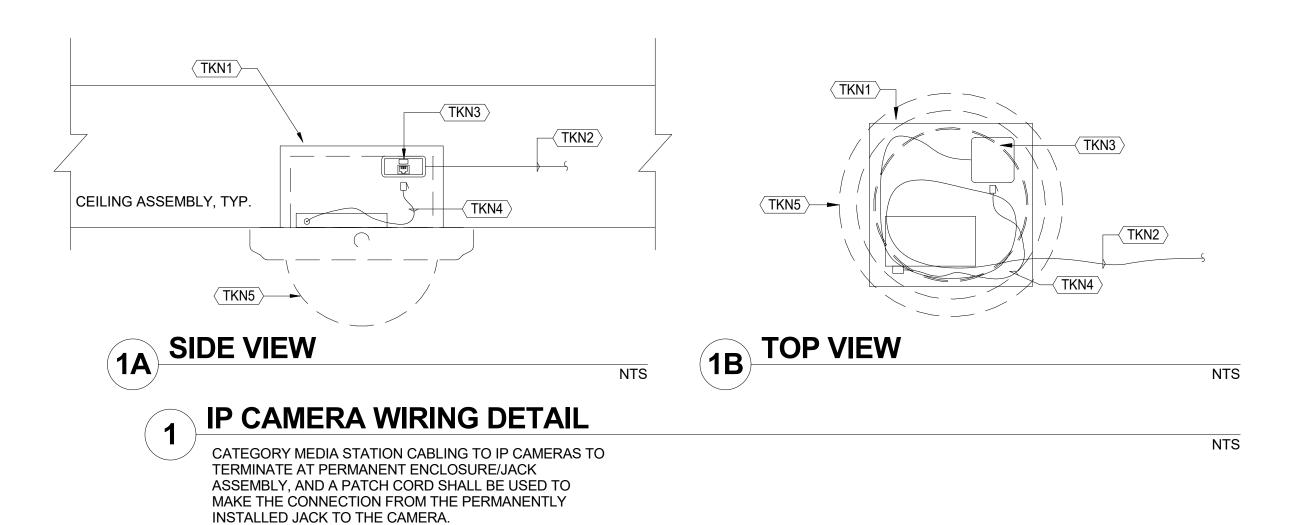
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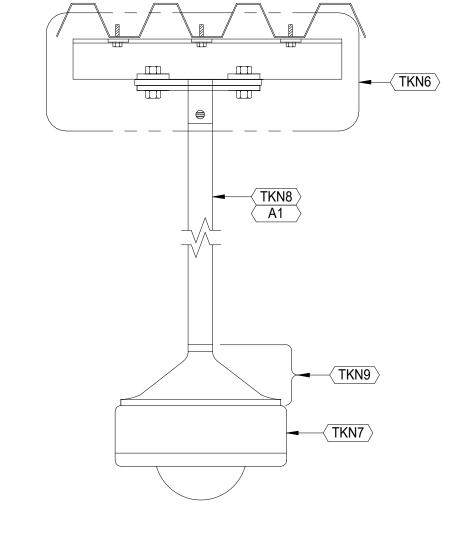
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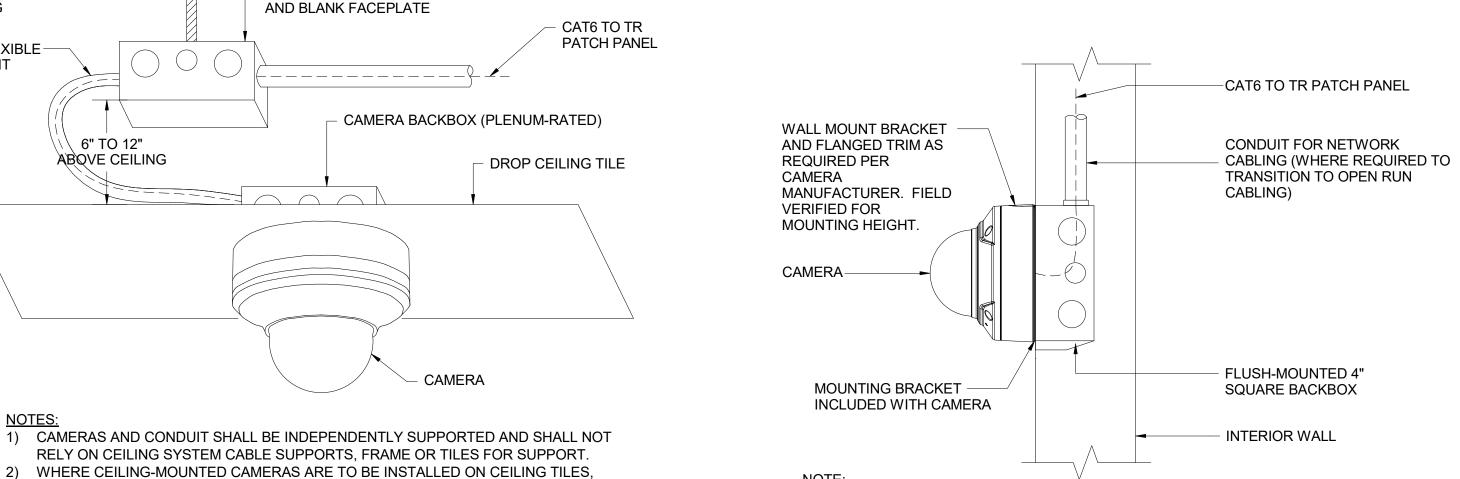
DESCRIPTION

DETAILS - ELECTRONIC SECURITY SYSTEMS ACCESS CONTROL

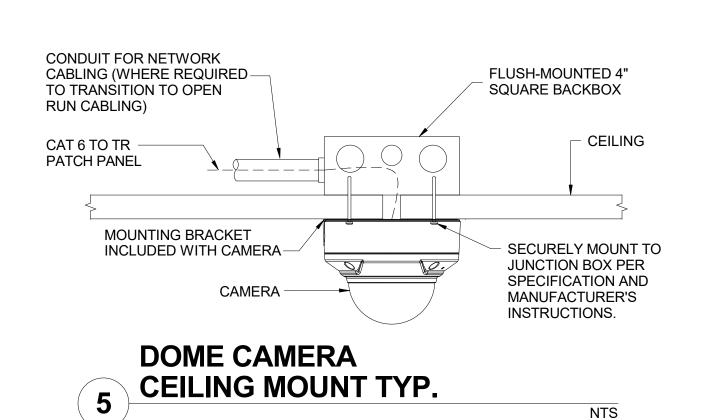


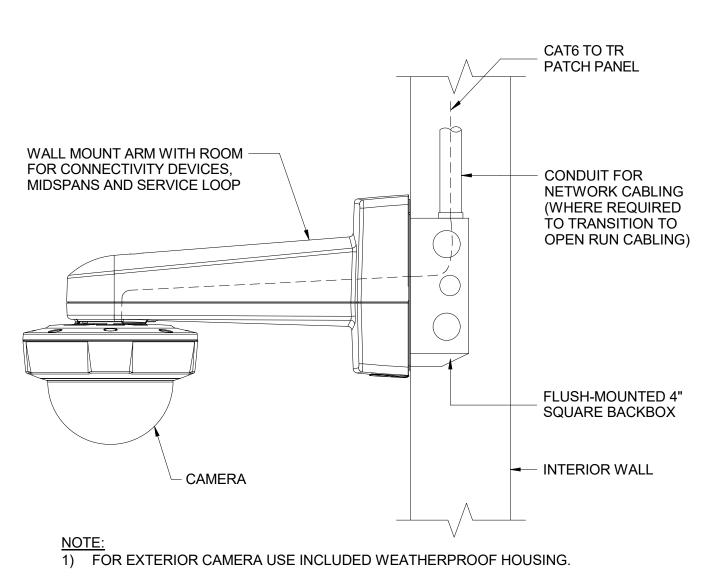












THEY SHALL BE CENTERED ON THE TILE IN BOTH DIRECTIONS.

DOME CAMERA DROP CEILING MOUNT TYP.

4" SQUARE BACKBOX

THREADED ROD

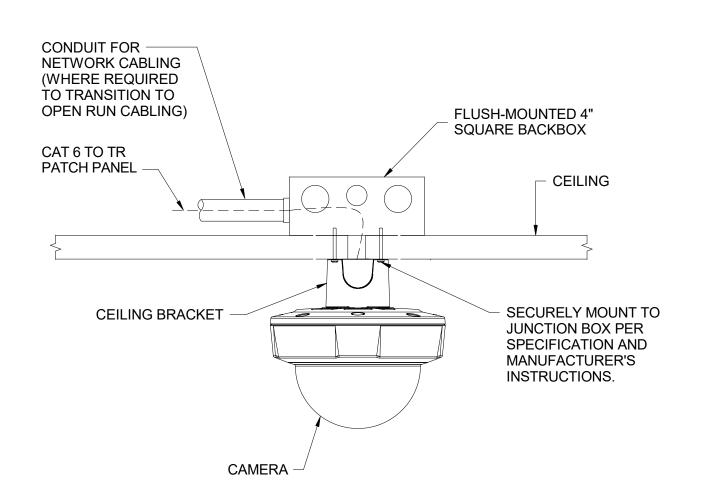
ANCHORED TO STRUCTURAL

3/4" FLEXIBLE

CEILING

CONDUIT





7 180° CAMERA CEILING MOUNT TYP.

NTS



KEYNOTES

DIVISION 28.

ARCHITECTURAL. WORK OF DIVISIONS 3-14.

PAINT AS DESCRIBED/REQUIRED IN DIVISION 9

ELECTRONIC SECURITY SYSTEMS: COMPLY WITH

4S TYPE ELECTRICAL BACKBOX EQUAL TO RANDL INDUSTRIES T-55017 WHERE SURFACE MOUNT OF IP

PROVIDE EXTERIOR GRADE BOX AT EXTERIOR CONDITIONS AS REQUIRED BY SECTION 28 05 28 -

CATEGORY 6 STATION CABLING BY DIVISION 27.

SMALL FORM FACTOR MULTIMEDIA ENCLOSURE SUITABLE FOR SURFACE MOUNTING WITH INTEGRAL UNIVERSITY STANDARD CATEGORY 6 JACK FOR

CATEGORY SIX PATCH CORD PROVIDE LENGTH AS REQUIRED. WHERE CAMERA IS MOUNTED TO BACKBOX.

SURFACE MOUNT IP CAMERA SUPPORTED FROM FLUSH

PROVIDE EQUAL TO CHIEF MANUFACTURING CMA110, 8"

X 8" STEEL PLATE CEILING PLATE FITTING WITH 1" NPT

1" NPT PIPE THREADED FOR PENDENT MOUNTING FROM

PENDANT MOUNT ADAPTER - SONY UNIMDPDH120 OR

TERMINATION OF STATION CABLING.

COIL INSIDE BACKBOX.

MOUNTED BACKBOX.

PIPE THREAD ADAPTER.

IP SECURITY CAMERA.

STRUCTURE ABOVE.

EQUAL.

 $\langle \mathsf{TKN7} \rangle$

CAMERA TO FLUSH MOUNT BACKBOX WITH INTEGRAL STRUCTURED CABLING BISCUIT BOX REQUIRED.

PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY

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McDonald Inc. 351 8th Street, San Francisco, CA 94103

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03/11/2021

RAY ENRIQUEZ REGIS. NO. 106011 EXPIRES 12/31/2022

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DESCRIPTION

DETAILS - ELECTRONIC SEURITY SYSTEMS VIDEO SURVEILLANCE SYSTEMS