KENSINGTON PUBLIC SAFETY BUILDING

100% DESIGN DEVELOPMENT

217 Arlington Avenue
KENSINGTON, CA 94707

100% DESIGN DEVELOPMENT
DECEMBER 17TH, 2021

APPROVALS:

BILL HANSEL
Kensington General Manager

CITY OF KENSINGTON

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

CONTRA COSTA COUNTY

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

ARCHITECT

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

STRUCTURAL ENGINEERING

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

CIVIL ENGINEERING

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

MECHANICAL ENGINEERING

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

GEOTECHNICAL ENGINEER

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

SPECIAL SYSTEMS, SECURITY, & ACOUSTICAL ENGINEERING

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

ESTIMATOR

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

GENERAL NOTES

1. ALL CONSTRUCTION AND DETAILS SHALL BE COMPLETED IN FULL COMPLIANCE WITH 2019 UNIFORM BUILDING CODE, 2019 CALIFORNIA RESIDENTIAL CODE, 2019 CALIFORNIA BUILDING CODE, 2019 CALIFORNIA MECHANICAL CODE, 2019 CALIFORNIA ELECTRICAL CODE, 2019 CALIFORNIA FIRE CODE, 2019 CALIFORNIA PLUMBING CODE, 2019 CALIFORNIA PLUMBING CODE, 2019 CALIFORNIA ENERGY CODE, AND ALL OTHER APPLICABLE LOCAL AND STATE CODES AND REQUIREMENTS. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS, LAWS, ORDINANCES AND ORDERS BY ANY PUBLIC AUTHORITY HAVING JURISDICTION OF THE PROJECT.
2. 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.
3. 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.
4. 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.
5. 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.
6. CONTRACTOR SHALL CHECK WITH ALL EQUIPMENT AND PRODUCT MANUFACTURERS TO VERIFY DIMENSIONS AND DETAILS PRIOR TO THE COMMENCEMENT OF WORK.
7. 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.
8. 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.
9. CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AT THE JOB AS NECESSARY AND REQUIRED BY CODE.
10. 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.
11. NO PART OF THE STRUCTURE SHALL BE OVERLOADED BEYOND ITS SAFE CARRYING CAPACITY BY THE PLACING OF MATERIALS, EQUIPMENT, TOOLS, MACHINERY OR ANY OTHER ITEMS.
12. WHERE SPECIFIED ITEMS ARE MENTIONED, THE CONTRACTOR MAY SUBMIT ALTERNATE MATERIALS FOR APPROVAL BY THE OWNER AND THE ARCHITECT.
13. 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.
14. BUILDING APPROVED HVAC MECHANICAL ENGINEER TO REVIEW DRAWINGS AND EXISTING SYSTEM TO CONFIRM CODE COMPLIANCE, AND COMPLETE WORK AS NECESSARY TO MEET BUILDING CODE.

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

ADJ.	Adjacent	LEV.	Level
A.F.F.	Above Finish Floor	LOC.	Location
@	At	MAX.	Maximum
BD.	Board	MECH.	Mechanical
BETW.	Between	MEMB.	Membrane
BLKG.	Blocking	MFR.	Manufacturer
BM.	Beam	MIN.	Minimum
C.J.	Control Joint	MTD.	Mounted
C.L.	Center Line	MTL.	Metal
CLNG.	Ceiling	MOD.	Module
CLR.	Clear	N.I.C.	Not in 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.
F.O.S.	Face of Stud	ST. STL.	Stainless Steel
F.O.W.	Face of Wall	STRUCT.	Structural
GA.	Gauge	SUSP.	Suspended
GR.	Grade	THK.	Thick
GSM	Galvanized Sheet Metal	THRU	Through
GYP. BD.	Gypsum Board	T.O.	Top Of
H.C.	Hollow Core	TYP.	Typical
H.M.	Hollow Metal	UON.	Unless Otherwise Noted
HR.	Hour	VEN.	Veneer
HT.	Height	VEST.	Vestibule
INS.	Insulation	VER.	Verify
INT.	Interior	V.I.F.	Verify in Field
JT.	Joint	W/	With
		WD.	Wood

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

℄	CENTER LINE
	PROJECT NORTH
Name Elevation	LEVEL NAME AND ELEVATION DATUM
0	GRIDLINE
1 A101 SIM	BUILDING AND DETAIL SECTION: I.E., DRAWING 1, SHEET A101
1 Ref / A101	ELEVATIONS AND INTERIOR ELEVATIONS: I.E., DRAWING 1 REF, SHEET A101
0'- 0"	CONTROL OR DATUM POINT
1 A101 SIM	LARGE SCALE DETAIL: I.E., DRAWING 1, SHEET A101
20R @ 7 1/2"	STAIR RUN TAG: NUMBER OF RISERS AND HEIGHT
000A	DOOR TAG RE: DOOR SCHEDULE
1i	WINDOW TAG RE: WINDOW SCHEDULE
	ROOM TAG, NAME AND NUMBER
1i	PARTITION TYPE TAG
1	REVISION NUMBER

5 SYMBOLS LEGEND
SCALE: 1/2" = 1'-0"

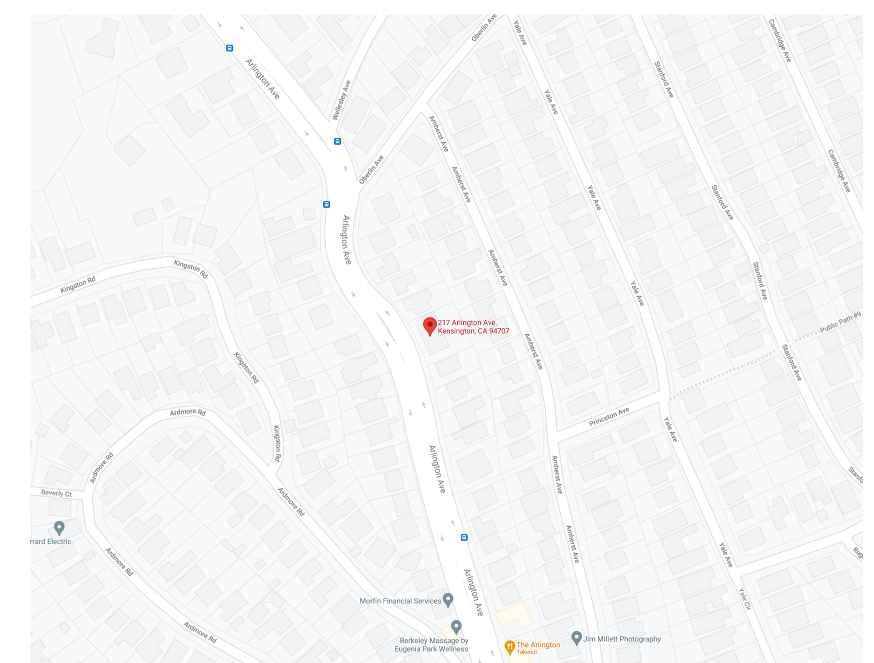
PROJECT DATA

	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)			
GF (STREET LEVEL)	2871		2871
2F	2917		3262 (345 SF ADDITION)
TOTAL AREA	5788	21,000	6133
NO. OF STORIES	2	3	2

4 PROJECT INFORMATION
SCALE: 1/2" = 1'-0"

LOCATION:	217 ARLINGTON AVE KENSINGTON, CA 94707	
PARCEL:	570-050-021	
ZONING:	K-COMBINING DISTRICT, R-6	
GENERAL USE:	PS	
SET BACKS:	SIDES: FRONT: REAR:	15'-0" AGGREGATE, NO LESS THAN 5'-0" 25'-0" 15-0", 3'-0" ACCESSORY
HEIGHT LIMIT:		35'-0" (2-1/2 STORIES)
BUILDING HEIGHT:	EXISTING: PROPOSED:	25'-11" 25'-11"
STORIES:	EXISTING: PROPOSED:	2 2
BUILDING AREA:	EXISTING: PROPOSED:	5788 SF 6133 SF

3 PLANNING INFORMATION
SCALE: 1/2" = 1'-0"



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

PROPOSED SCOPE OF WORK:

- 345 SF 2ND LEVEL ADDITION TO ENCLOSE EXISTING DECK SPACE.
- EXTERIOR WORK INCLUDES NEW SIDING AND PAINT, PATCH AND REPAIR TO EXISTING.
- NEW COVERING AT ROOF AT EAVES.
- FULL INTERIOR REMODEL
- SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO VISUAL, ELECTRICAL, AND SECURITY DRAWINGS FOR SCOPE OF WORK.

1 SCOPE OF WORK
SCALE: 1/2" = 1'-0"

MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
TITLE SHEET

A001

C:\Users\rober\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:17 PM

SHEET INDEX

TA204	AUDIO VISUAL - SECOND FLOOR PLAN
COMMUNICATIONS	
TN001	COMMUNICATIONS - GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS, AND JBOX SCHEDULE
TN002	COMMUNICATIONS - SYMBOL SCHEDULE
TN201	COMMUNICATIONS - GROUND FLOOR DEMOLITION PLAN
TN202	COMMUNICATIONS - GROUND FLOOR PLAN
TN203	COMMUNICATIONS - SECOND FLOOR DEMOLITION PLAN
TN204	COMMUNICATIONS - SECOND FLOOR PLAN
TN206	COMMUNICATIONS - ROOF PLAN
SECURITY	
TY001	GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS, AND JBOX SCHEDULE
TY002	SYMBOL SCHEDULE
TY201	ELEC-SECURITY - GROUND FLOOR DEMOLITION PLAN
TY202	ELEC-SECURITY - GROUND FLOOR PLAN
TY203	ELEC-SECURITY - SECOND FLOOR DEMOLITION PLAN
TY204	ELEC-SECURITY - SECOND FLOOR PLAN
TY205	ELEC-SECURITY - ROOF PLAN
TY701	ACCESS CONTROLS AND IDS SINGLE LINE DIAGRAM
TY901	DETAILS - ELECTRONIC SECURITY SYSTEMS ACCESS CONTROL
TY902	DETAILS - ELECTRONIC SECURITY SYSTEMS VIDEO SURVEILLANCE SYSTEMS

GENERAL	
A000	COVER SHEET
A001	TITLE SHEET
A002	SHEET INDEX
A010	CODE DIAGRAM LEVEL 1
A011	CODE DIAGRAM LEVEL 2
A012	ACCESSIBILITY REQUIREMENTS & SIGNAGE
CIVIL	
C1.0	EXISTING CONDITIONS
C2.0	SITE PLAN
C3.0	GRADING PLAN
ARCHITECTURE	
A101	SITE PLAN
A201	EXISTING AND DEMOLITION GROUND FLOOR PLAN
A202	PROPOSED GROUND FLOOR PLAN
A203	EXISTING AND DEMOLITION SECOND FLOOR PLAN
A204	PROPOSED SECOND FLOOR PLAN
A205	PROPOSED GROUND FLOOR REFLECTED CEILING PLAN
A206	PROPOSED SECOND FLOOR REFLECTED CEILING PLAN
A207	EXISTING ROOF PLAN
A208	PROPOSED ROOF PLAN
A301	EXTERIOR ELEVATIONS - WEST
A302	EXTERIOR ELEVATIONS - SOUTH
A303	EXTERIOR ELEVATIONS - EAST
A304	EXTERIOR ELEVATIONS - NORTH
A401	BUILDING SECTIONS
A402	BUILDING SECTIONS
A501	DOOR SCHEDULE
A502	WINDOW SCHEDULE
A503	FINISH SCHEDULE
A601	ENLARGED PLAN & INTERIOR ELEVATIONS
A602	ENLARGED PLAN & INTERIOR ELEVATIONS
A603	ENLARGED PLAN & INTERIOR ELEVATIONS
A604	ENLARGED PLAN & INTERIOR ELEVATIONS
A605	ENLARGED PLAN & INTERIOR ELEVATIONS
A606	ENLARGED PLAN & INTERIOR ELEVATIONS
A607	ENLARGED PLAN & INTERIOR ELEVATIONS
A608	ENLARGED PLAN & INTERIOR ELEVATIONS
A701	WALL SECTIONS
A702	ENLARGED STAIR PLAN, SECTION & DETAILS
A703	ENLARGED ELEVATOR PLAN, SECTION & DETAILS
A704	ENLARGED WHEELCHAIR LIFT PLAN SECTION, & DETAILS
A801	EXTERIOR DETAILS
A802	ROOF DETAILS
A901	INTERIOR DETAILS
A902	INTERIOR DETAILS
A903	INTERIOR DETAILS - CEILING
A904	INTERIOR DETAILS
A905	INTERIOR DETAILS
STRUCTURAL	
S0.1	GENERAL NOTES AND SPECIFICATIONS
S1.1	TYPICAL CONCRETE DETAILS
S1.2	TYPICAL WOOD DETAILS
S1.3	TYPICAL WOOD DETAILS
S2.1	FOUNDATION PLAN
S2.2	SECOND FLOOR FRAMING PLAN
S2.3	ROOF FRAMING PLAN
S3.1	ELEVATIONS AND SCHEDULES
S4.1	FOUNDATION DETAILS
S6.1	SECOND FLOOR DETAILS
S6.2	ROOF DETAILS
MECHANICAL	
M001	MECHANICAL TITLE SHEET
M002	MECHANICAL SCHEDULE
M003	TITLE 24
M0004	TITLE 24
M201	MECHANICAL GROUND FLOOR PLAN
M202	MECHANICAL SECOND FLOOR PLAN
M203	MECHANICAL ROOF PLAN
M601	MECHANICAL DETAILS
PLUMBING	
P001	PLUMBING TITLE SHEET
P002	PLUMBING SCHEDULE
P003	TITLE 24 DOCUMENTS
P201	PLUMBING GROUND FLOOR PLAN
P202	PLUMBING SECOND FLOOR PLAN
P203	PLUMBING ROOF PLAN
P204	PLUMBING DCW, DHW & GAS GROUND FLOOR PLAN
P205	PLUMBING DCW, DHW & GAS SECOND FLOOR PLAN
P601	PLUMBING DETAILS
FIRE PROTECTION	
FP001	FIRE PROTECTION TITLE SHEET
FP201	FIRE PROTECTION GROUND FLOOR PLAN
FP202	FIRE PROTECTION SECOND FLOOR PLAN
ELECTRICAL	
E001	NOTES, ABBREVIATIONS, AND SHEET INDEX
E002	SYMBOLS
E003	SYMBOLS
E004	SCHEDULE AND SINGLE LINE DIAGRAM
E005	TITLE 24 FORMS
E006	TITLE 24 FORMS
E101	SITE PLAN
E201	LIGHTING PLANS
E301	POWER AND LOW VOLTAGE PLANS
E401	ENLARGED PLANS AND DETAILS
AUDIOVISUAL	
TA201	AUDIO VISUAL - GROUND FLOOR DEMOLITION PLAN
TA202	AUDIO VISUAL - GROUND FLOOR PLAN
TA203	AUDIO VISUAL - SECOND FLOOR DEMOLITION PLAN

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

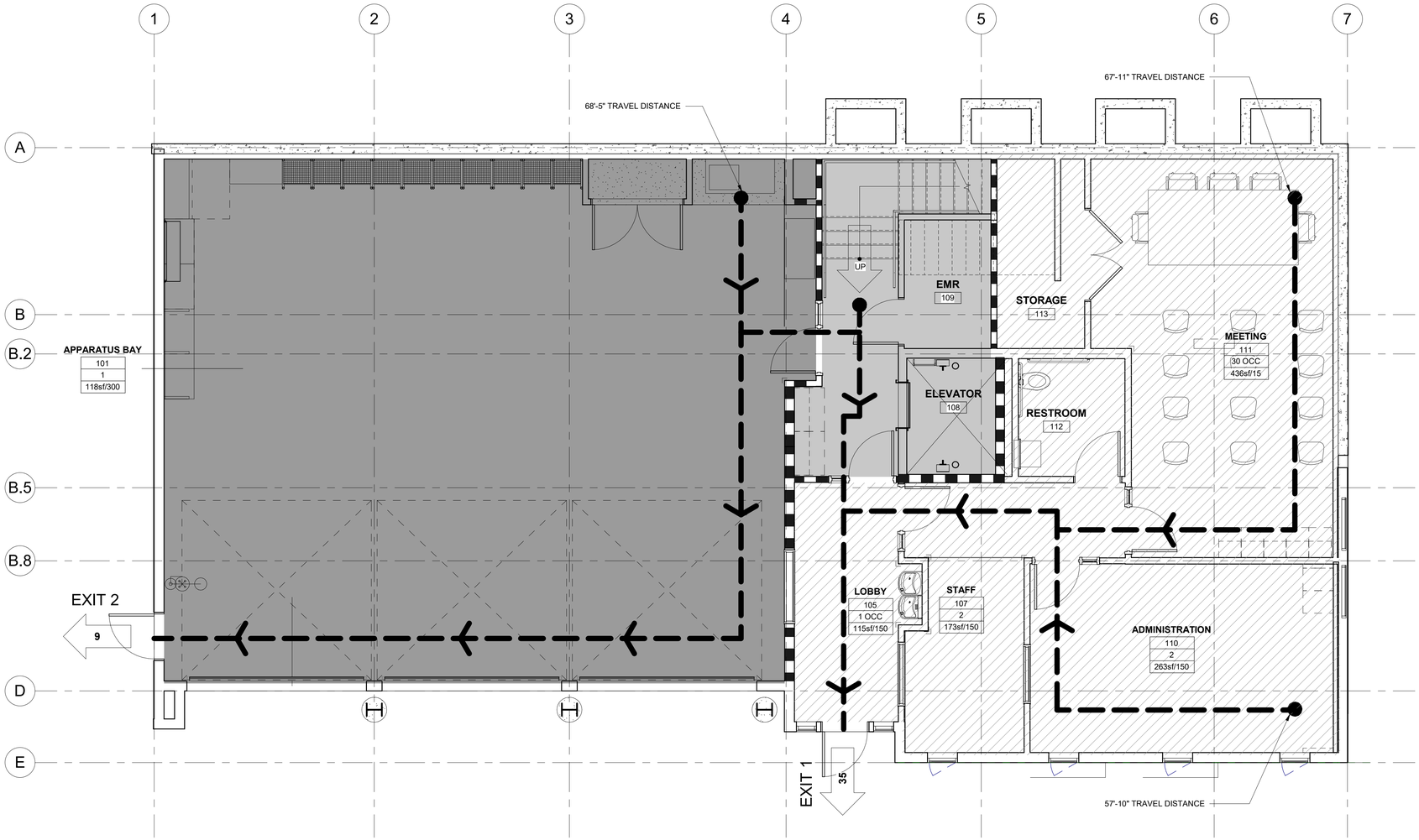
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
SHEET INDEX

A002

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:17 PM



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

CODE REFERENCE

2019 CALIFORNIA BUILDING CODE VOLUMES I & II

USE & OCCUPANCY CLASSIFICATION (302.1)

304.1	GROUP B	CIVIC ADMINISTRATION
310.4	GROUP R-2	DORMITORIES
311.3	GROUP S-2	GARAGE, LOW HAZARD STORAGE

CONSTRUCTION TYPE (601)

T-601	CONSTRUCTION TYPE	TYPE V-B

BUILDING HEIGHTS & AREA LIMITATIONS - TYPE OF CONSTRUCTION: V-B, FULLY SPRINKLERED

508.3.2	R-2 MIXED USE & OCCUPANCY MOST RESTRICTIVE	
T-504.3	ALLOWABLE HEIGHT	60'-0" S(WITHOUT AREA INCREASE)
T-506.2	ALLOWABLE AREA	21,000 SF SM(WITHOUT HEIGHT INCREASE)

NONSEPARATED OCCUPANCIES (508.3)

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

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

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

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

10 < X < 30	0 HRS

OPENINGS (SPRINKLERED) UNPROTECTED (T-705.8)

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

SINGLE EXITS WITH SPRINKLER SYSTEM (1006.3.3)

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

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

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

CORRIDOR FIRE-RESISTANCE RATING (T-1020.1)

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

OCCUPANT LOAD TABLE (1004.1.2)

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

GROUP R-2

GROUP S-2

GROUP B

NON RATED WALL

1-HR RATED WALL

1/2-HR RATED WALL

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

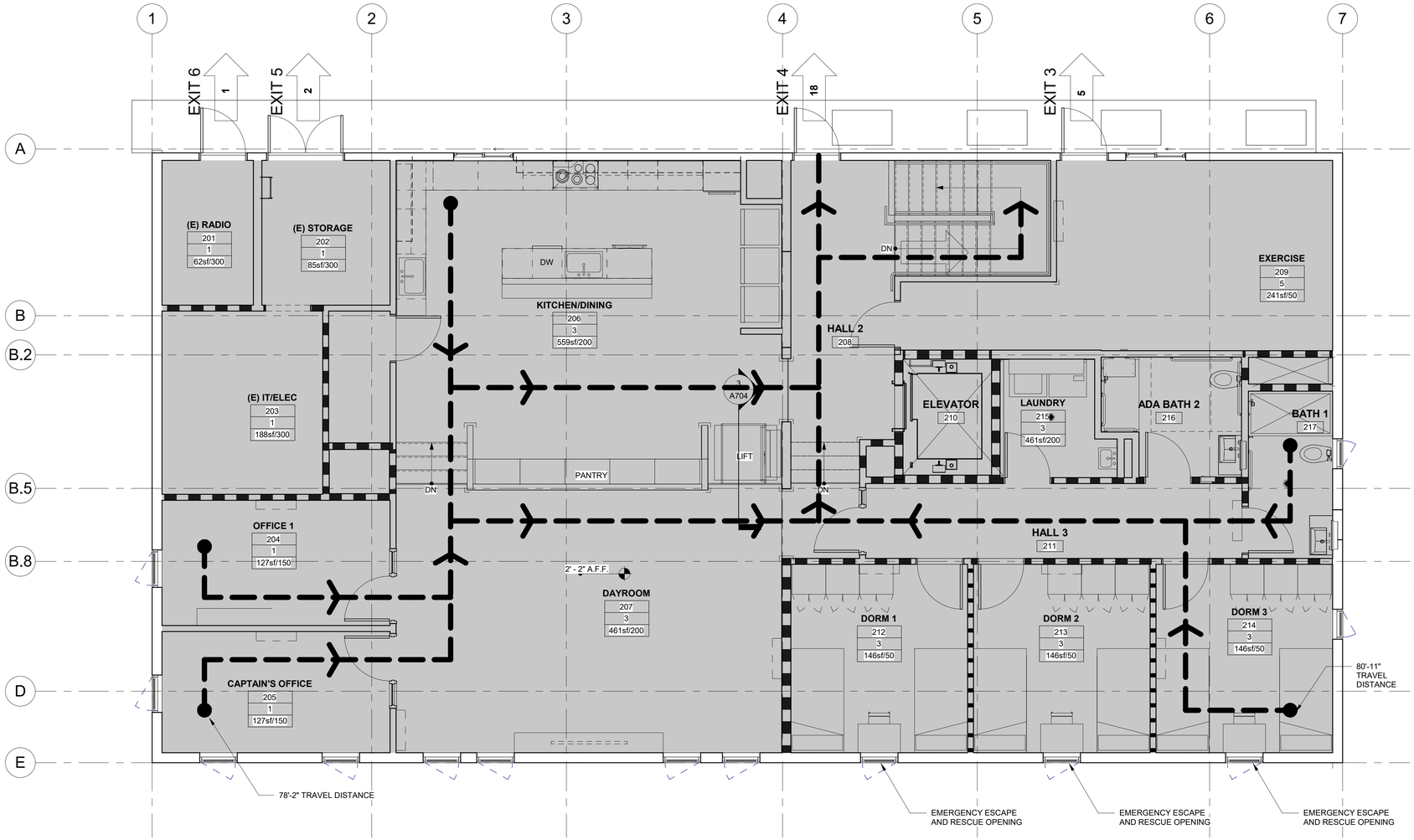
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
CODE DIAGRAM LEVEL 1

A010

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:10:27 PM



1 CODE DIAGRAM - 2ND LEVEL PLAN

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

CODE REFERENCE

2019 CALIFORNIA BUILDING CODE VOLUMES I & II

USE & OCCUPANCY CLASSIFICATION (302.1)

304.1	GROUP B	CIVIC ADMINISTRATION
310.4	GROUP R-2	DORMITORIES
311.3	GROUP S-2	GARAGE, LOW HAZARD STORAGE

CONSTRUCTION TYPE (601)

T-601	CONSTRUCTION TYPE	TYPE V-B

BUILDING HEIGHTS & AREA LIMITATIONS - TYPE OF CONSTRUCTION: V-B, FULLY SPRINKLERED

508.3.2	R-2 MIXED USE & OCCUPANCY MOST RESTRICTIVE	
T-504.3	ALLOWABLE HEIGHT	60'-0" S(WITHOUT AREA INCREASE)
T-506.2	ALLOWABLE AREA	21,000 SF SM(WITHOUT HEIGHT INCREASE)

NONSEPARATED OCCUPANCIES (508.3)

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

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

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

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

10 < X < 30	0 HRS

OPENINGS (SPRINKLERED) UNPROTECTED (T-705.8)

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

SINGLE EXITS WITH SPRINKLER SYSTEM (1006.3.3)

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

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

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

CORRIDOR FIRE-RESISTANCE RATING (T-1020.1)

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

OCCUPANT LOAD TABLE (1004.1.2)

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

GROUP R-2

GROUP S-2

GROUP B

NON RATED WALL

1-HR RATED WALL

1/2-HR RATED WALL

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.

0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

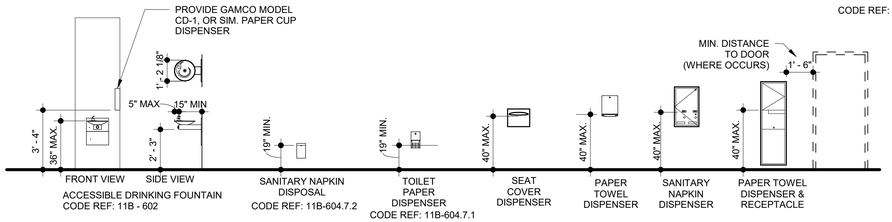
DESCRIPTION

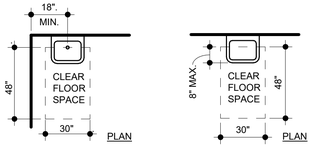
CODE DIAGRAM LEVEL 2

A011

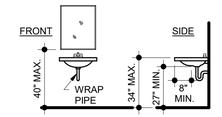
C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertf6CYZ.rvt

12/17/2021 4:10:29 PM



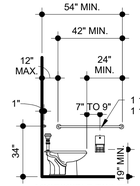


CODE REF: 11B-306, 11B-606.2, 11B-606.6



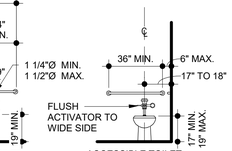
ACCESSIBLE LAVATORY ELEVATIONS AND MIRROR ELEVATION

CODE REF: 11B-306 11B-603, 11B-606.3



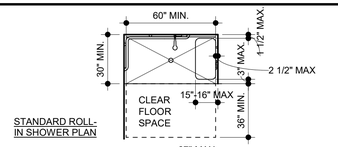
ACCESSIBLE TOILET (SIDE ELEVATION)

CODE REF: 11B-604.5, 11B-604.7, 11B-604.9

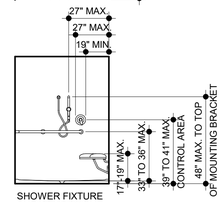


ACCESSIBLE TOILET (FRONT ELEVATION)

CODE REF: 11B-604.2, 11B-604.4,11B-604.5



STANDARD ROLL-IN SHOWER PLAN



SHOWER FIXTURE ELEVATIONS

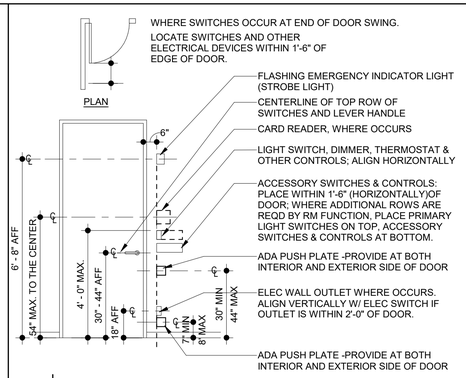
CODE REF: 11B-308.3 11B-608.2.2, 11B-608.6, 11B-609.4, 11B-610.3, 11B-610.3.2

16 TYPICAL ADA CLEARANCES AND MOUNTING HEIGHTS

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

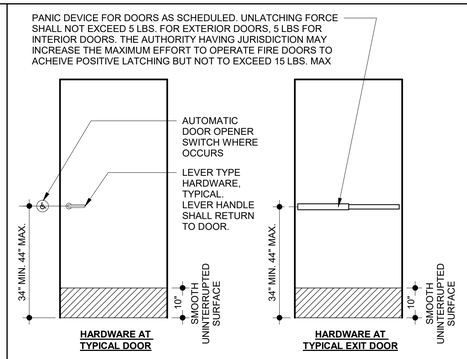
SHEET NOTES

1. SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A001.
2. 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.
3. ALL SIGNS ARE CONTRACTOR PROVIDED AND INSTALLED, U.O.N.
4. SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL SITE SIGNAGE.
5. CONFIRM FINAL LOCATIONS OF ALL CITY REQUIRED SIGNAGE WITH CLIENT AND ARCHITECT PRIOR TO MOUNTING.
6. WHERE SIGNS ARE LOCATED ON THE SITE, PROVIDE 2" GALV PIPE POLE SET IN CONCRETE BASE AT HEIGHT INDICATED PER CIVIL DRAWING DETAILS.



11 DEVICE PLATE LOCATIONS

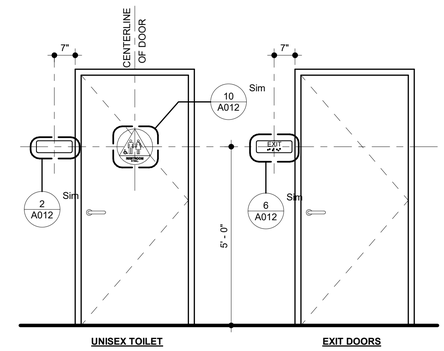
SCALE: 3/8" = 1'-0"



CODE REF: 1008.1, 11B-309.4, 11B-404.2.7

7 MOUNTING LOC. OF HARDWARE AT DOORS

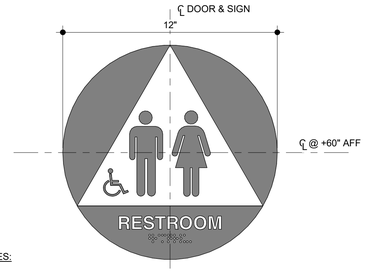
SCALE: 1/2" = 1'-0"



CODE REF: 11B-216.8, 11B-703.7.2.6

3 TYPICAL SIGNAGE MOUNTING HEIGHTS

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



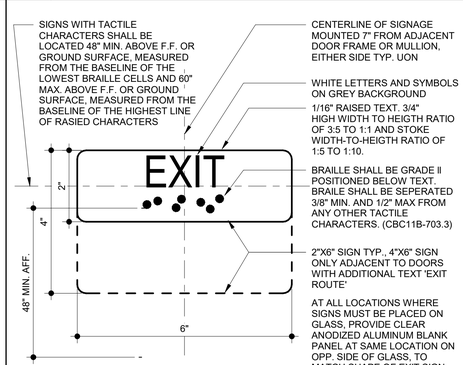
NOTES:

1. CONTRACTOR TO PROVIDE SAMPLE MOCK-UP FOR REVIEW PRIOR TO FABRICATION
2. ATTACH SIGNAGE W/ ADHESIVES ER MANUFACTURER'S RECOMMENDATION. SIGNS SHALL BE CENTERED ON DOOR WITH HORIZONTAL CENTERLINE 60" ABOVE FINISH FLOOR

CODE REFERENCE: 11B-216.8, 11B-703.7.2.6

10 UNISEX TOILET ROOM IDENTIFICATION SIGN

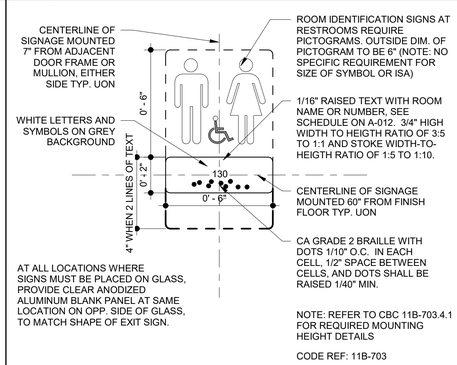
SCALE: 3" = 1'-0"



CODE REF: 1011.1, 11B-703.4.1

6 EXIT SIGNAGE

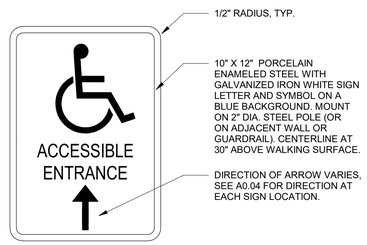
SCALE: 6" = 1'-0"



CODE REF: 11B-703

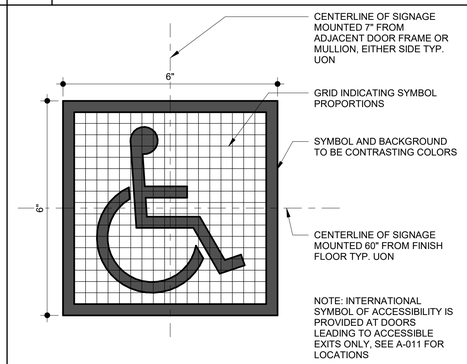
2 PERMANENT ROOM IDENTIFICATION SIGN

SCALE: 3" = 1'-0"



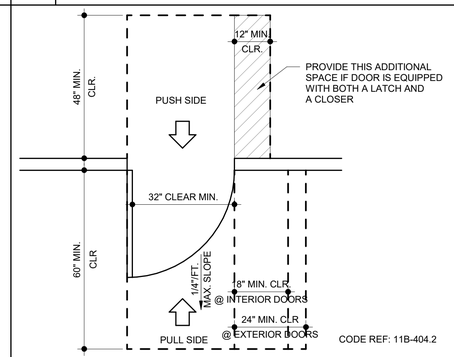
9 ADA DIRECTIONAL SIGN

SCALE: 6" = 1'-0"



5 INTERNATIONAL ACCESSIBILITY SYMBOL

SCALE: 6" = 1'-0"



CODE REF: 11B-404.2

1 LEVEL CLEARANCE AT DOORS

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

MARJANG ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

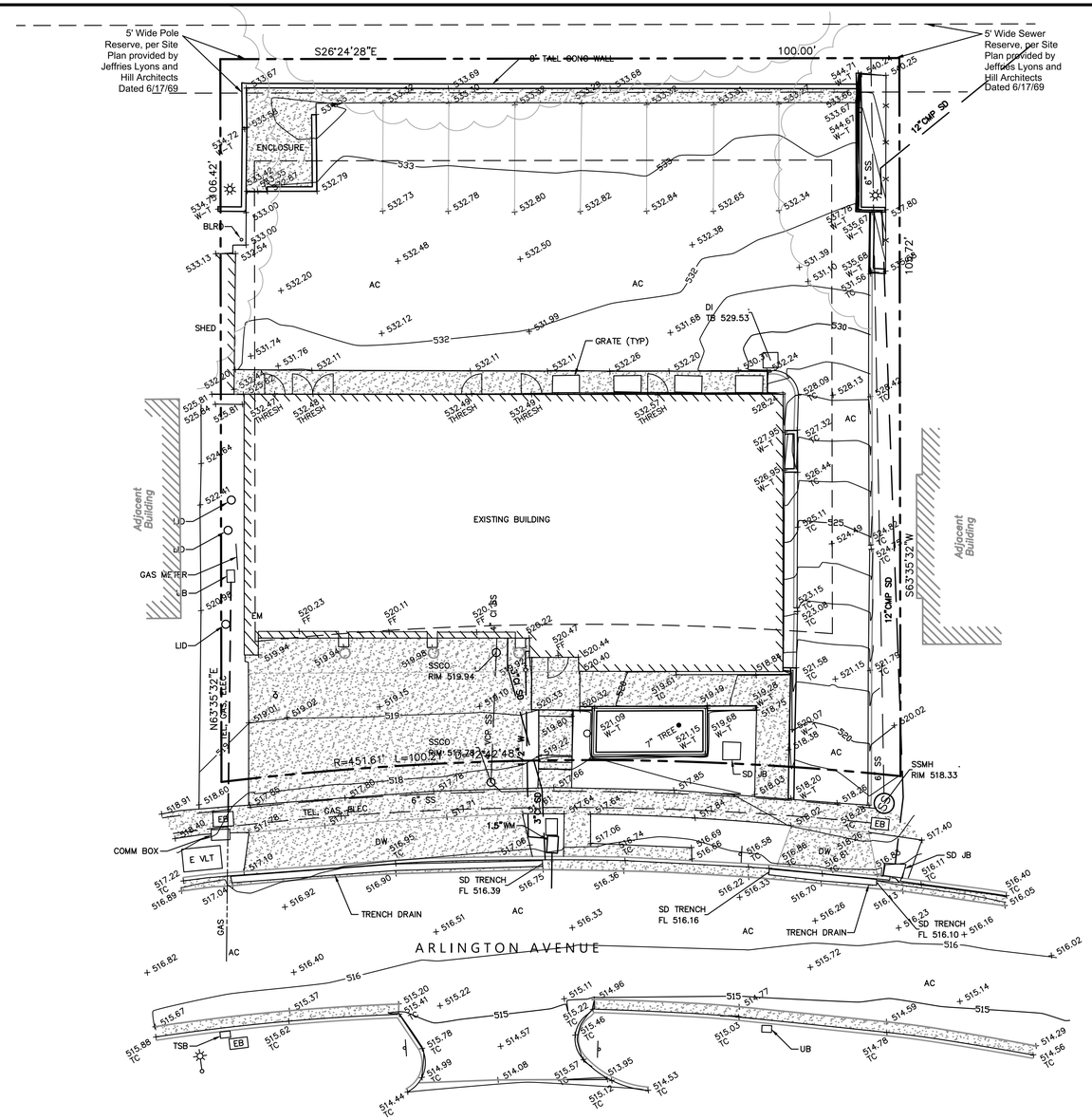
DESCRIPTION
ACCESSIBILITY REQUIREMENTS & SIGNAGE

A012

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:22 PM

© BKF Engineers



EXISTING ABBREVIATIONS

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

LEGEND

	WATER VALVE
	SIGN
	STREET LIGHT
	LIGHT POLE
	FENCE
	CONCRETE

BASIS OF BEARINGS

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

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

BENCHMARK

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

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. 64607
CIVIL
STATE OF CALIFORNIA
10/29/2021

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

KENSINGTON FIRE STATION REMODEL
LAND USE PERMIT
EXISTING CONDITIONS

KENSINGTON — UNINCORP. CONTRA COSTA COUNTY — CALIFORNIA

Revisions

No.	

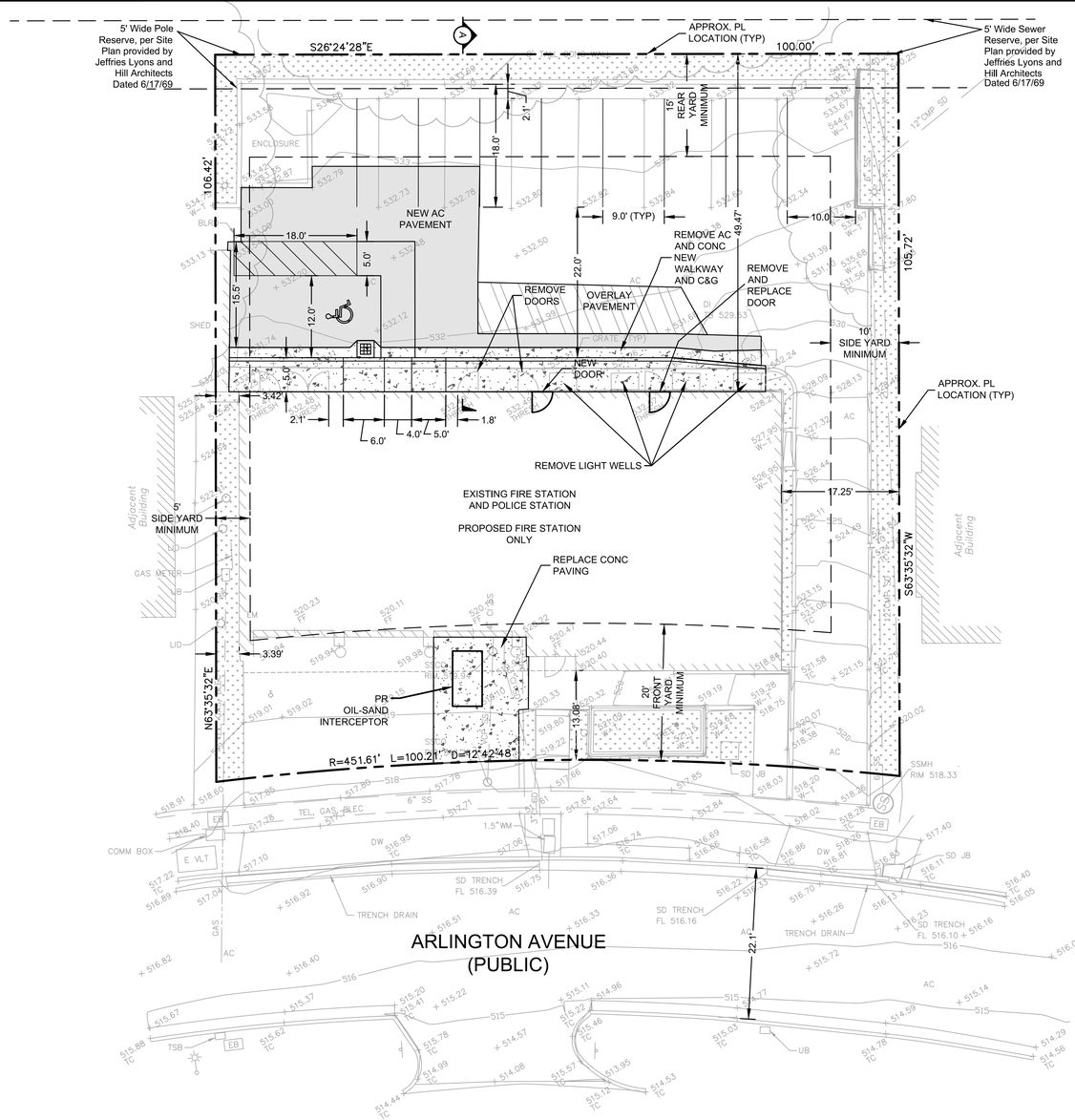
Date 10/22/2021
Scale AS SHOWN
Design KP
Drawn ARN
Approved ESS
Job No20211363

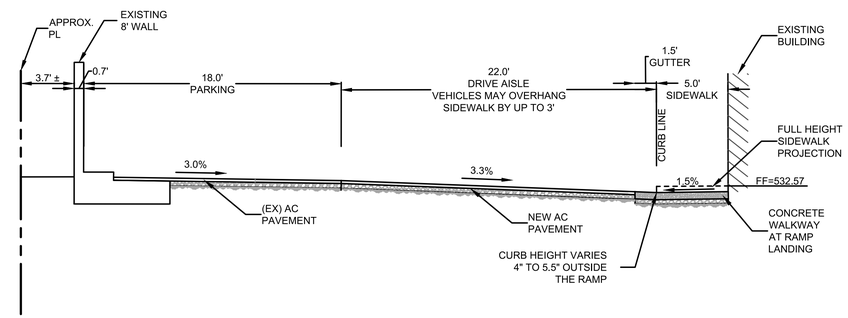
Drawing Number:
C1.0
OF

XX% SUBMITTAL – NOT FOR CONSTRUCTION

DRAWING NAME: K:\2021\211363_Kensington_Fire_Station_Arch_Services\ENG\PLANNING\SHEETS\01_KF_EXCOND.dwg
PLOT DATE: 10-29-21 PLOTTED BY: neva

© BKF Engineers





A CROSS SECTION
NTS

LEGEND

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

NOTES

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.
3. FOR WALKS AND IN ADA ACCESSIBLE AREAS, CROSS SLOPES SHOULD NOT EXCEED 2% IN GRADE.
4. PROJECT DOES NOT PROPOSE TO REMOVE ANY TREES.
5. EXISTING BOUNDARY INFORMATION IS FROM RECORD INFORMATION ONLY AND IS NOT TIED TO MONUMENTS.
6. THE GENERAL PLAN DESIGNATION IS PS (PUBLIC/SEMI-PUBLIC).
7. THE ZONING DESIGNATION IS R-6 SINGLE-FAMILY RESIDENTIAL DISTRICT.
8. R-6 REQUIRES "THERE SHALL BE AN AGGREGATE SIDE YARD WIDTH OF AT LEAST FIFTEEN FEET. NO SIDE YARD SHALL BE LESS THAN 5 FEET WIDE."
9. R-6 REQUIRES "THERE SHALL BE A SETBACK (FRONT YARD) OF AT LEAST TWENTY FEET FOR ANY STRUCTURE IN THE R-6 DISTRICT."
10. R-6 REQUIRES "THERE SHALL BE A REAR YARD FOR ANY PRINCIPAL STRUCTURE OF AT LEAST FIFTEEN FEET."
11. THE EXISTING BUILDING ENCROACHES IN SIDE AND FRONT MINIMUM SETBACKS.
12. THE PROJECT SITE IS IN A FEMA ZONE X - AREA OF MINIMAL FLOOD HAZARD.

LAND USE TOTALS

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	=2,282 SQ FT
PROPOSED FINAL IMPERVIOUS AREA	=9,094 SQ FT
PROPOSED FINAL LANDSCAPED AREA	=1,333 SQ FT

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

REGISTERED PROFESSIONAL ENGINEER
CORY S. SWANSON
No. 64607
CIVIL
STATE OF CALIFORNIA
10/29/2021

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

KENSINGTON FIRE STATION REMODEL
LAND USE PERMIT
SITE PLAN

KENSINGTON — UNINCORP. CONTRA COSTA COUNTY — CALIFORNIA

Revisions | No.

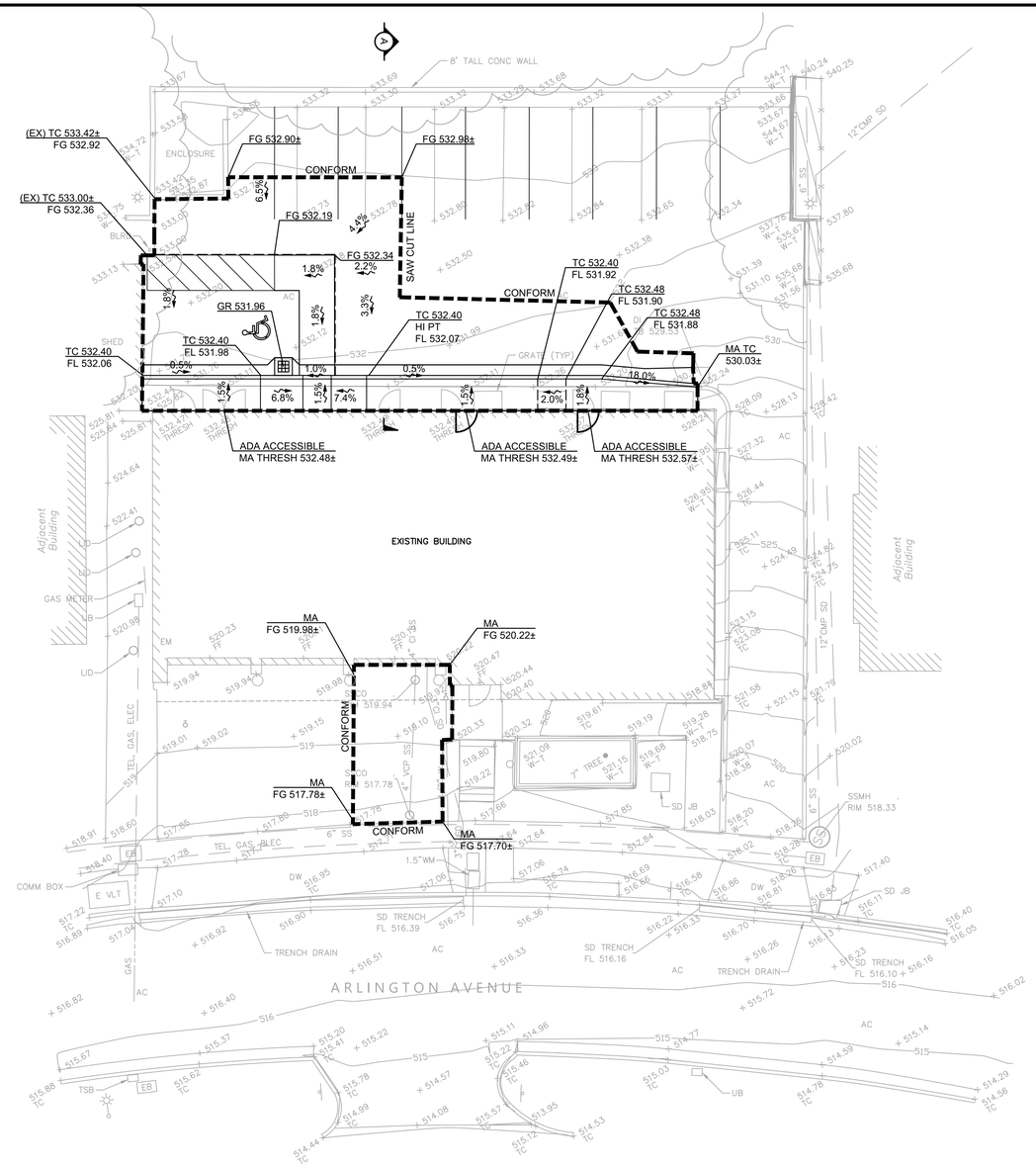
Date 10/22/2021
Scale AS SHOWN
Design KP
Drawn ARN
Approved ESS
Job No.202113363

Drawing Number:
C2.0
OF

XX% SUBMITTAL – NOT FOR CONSTRUCTION

DRAWING NAME: K:\2021\211363_Kensington_Fire_Station_Arch_Services\ENG\PLANNING\SHEETS\02_KF_PRPLAN.dwg
PLOT DATE: 10-29-21 PLOTTED BY: neva

© BKF Engineers



LEGEND

- SAW CUT LINE
- GRADE BREAK LINE
- FLOW LINE
- X.X% — SURFACE SLOPE
- XX.XX × — SPOT ELEVATION

ABBREVIATIONS

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

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

REGISTERED PROFESSIONAL ENGINEER
ERIC S. SWANSON
No. 64607
CIVIL
STATE OF CALIFORNIA
10/29/2021

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

KENSINGTON FIRE STATION REMODEL
LAND USE PERMIT
GRADING PLAN

KENSINGTON — UNINCORP. CONTRA COSTA COUNTY — CALIFORNIA

Revisions

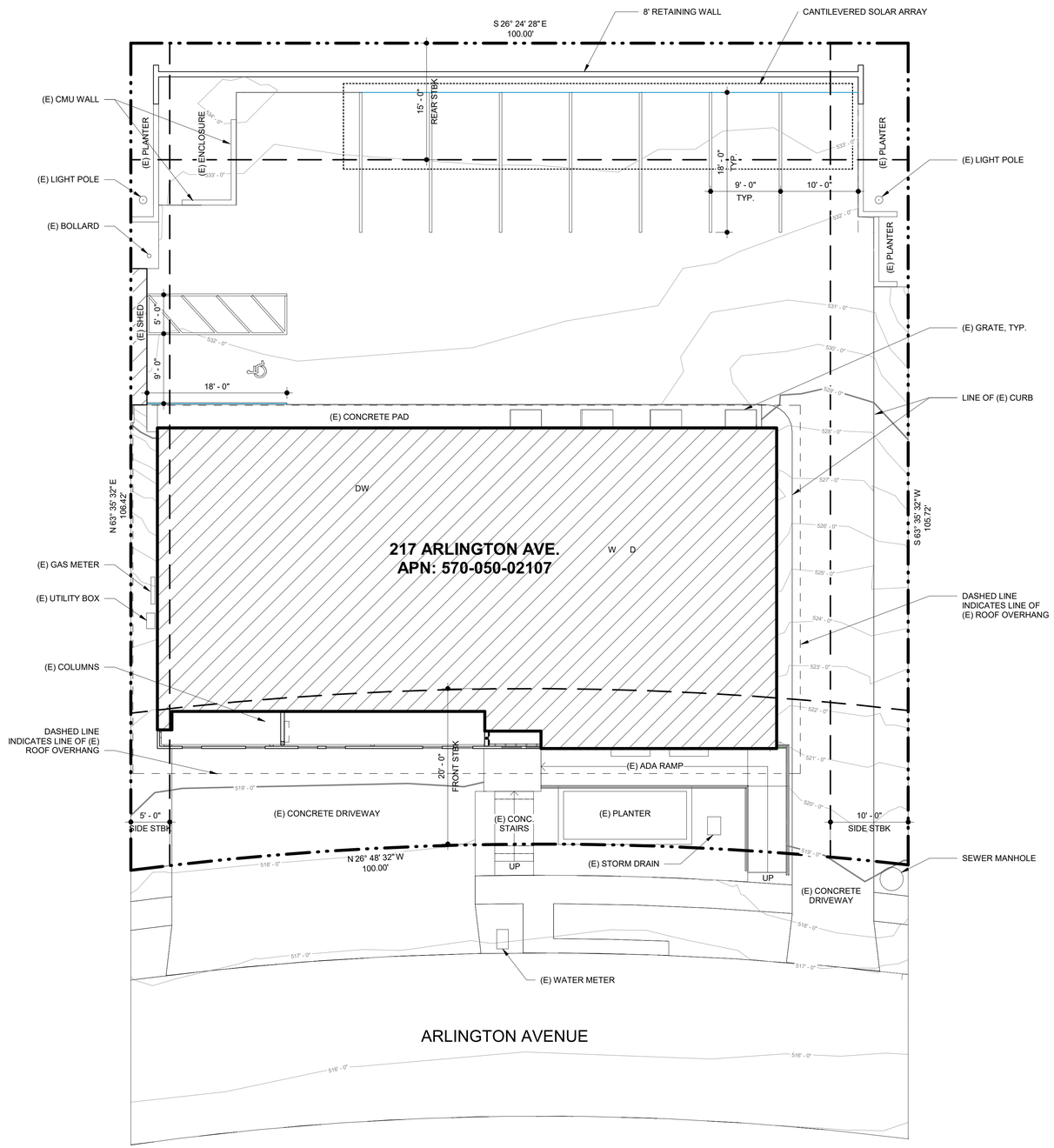
No.	

Date 10/22/2021
Scale AS SHOWN
Design KP
Drawn ARN
Approved ESS
Job No 20211363

Drawing Number:
C3.0
OF

XX% SUBMITTAL – NOT FOR CONSTRUCTION

DRAWING NAME: K:\2021\211363_Kensington_Fire_Station_Arch_Services\ENG\PLANNING\SHEETS\03_KF_PRGRAD.dwg
PLOT DATE: 10-29-21 PLOTTED BY: neva



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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

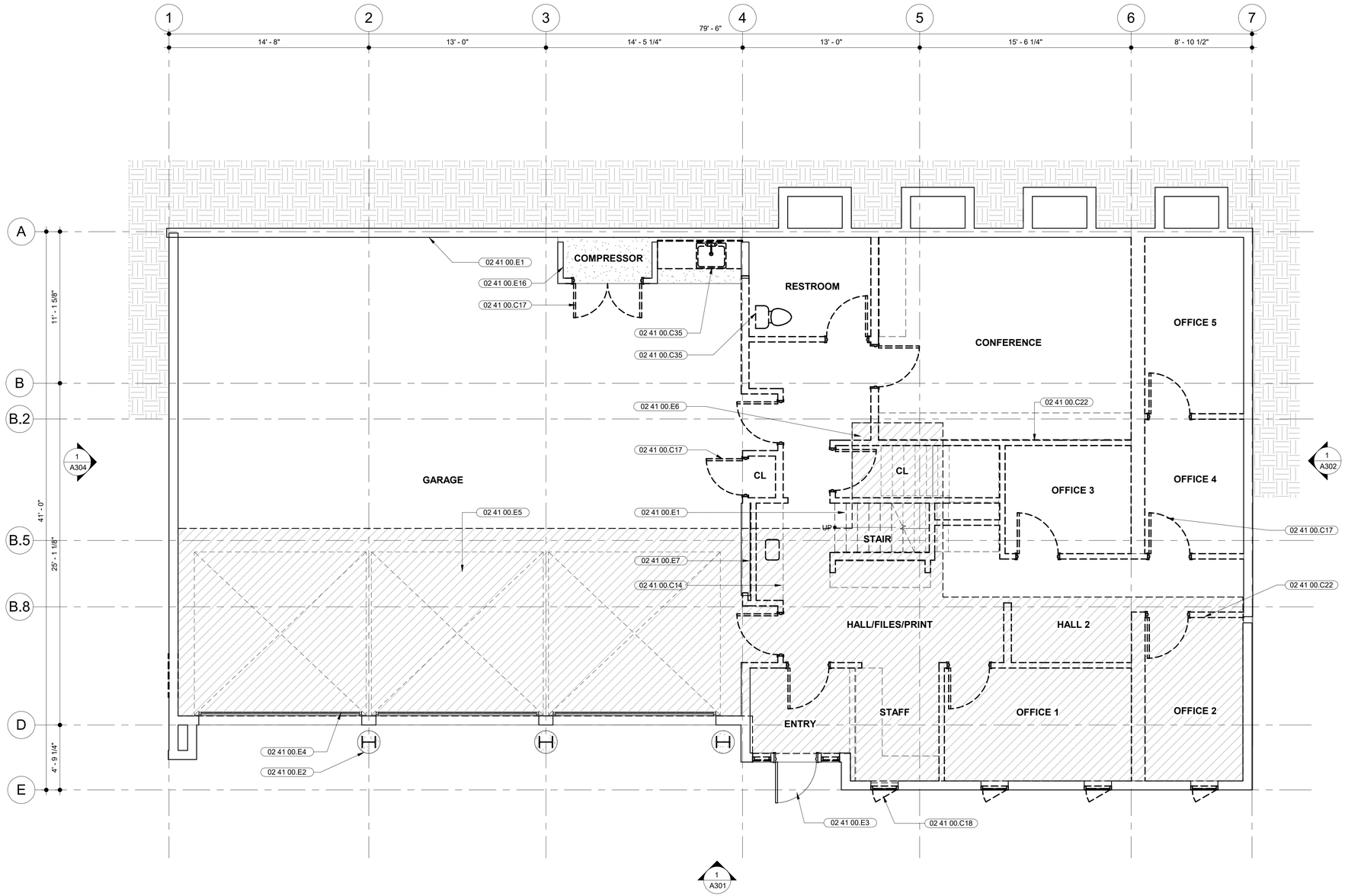
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
SITE PLAN

A101

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:24 PM



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

SHEET NOTES

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

KEYNOTES

02 41 00.C14 (E) CASEWORK TO BE REMOVED
02 41 00.C17 (E) DOOR AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
02 41 00.C22 (E) WALLS TO BE REMOVED
02 41 00.C35 (E) FIXTURES TO BE REMOVED
02 41 00.E1 (E) WALL FINISH TO BE REMOVED. REMOVE (E) FRP PANELS AT GARAGE. (E) FRAMING TO REMAIN
02 41 00.E2 (E) MOMENT FRAME AND CONCRETE PIERS TO REMAIN
02 41 00.E3 (E) DOOR TO REMAIN
02 41 00.E4 (E) SECTIONAL DOORS TO REMAIN
02 41 00.E5 SELECTIVE AREA OF (E) SLAB ON GRADE TO BE REMOVED, SSD
02 41 00.E6 SELECTIVE AREA OF (E) SLAB TO BE REMOVED FOR ELEVATOR PIT
02 41 00.E7 (E) BEARING WALL TO REMAIN, SSD.
02 41 00.E16 (E) COMPRESSOR AND CLOSET TO REMAIN. REPLACE (E) DOOR

WALL LEGEND

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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

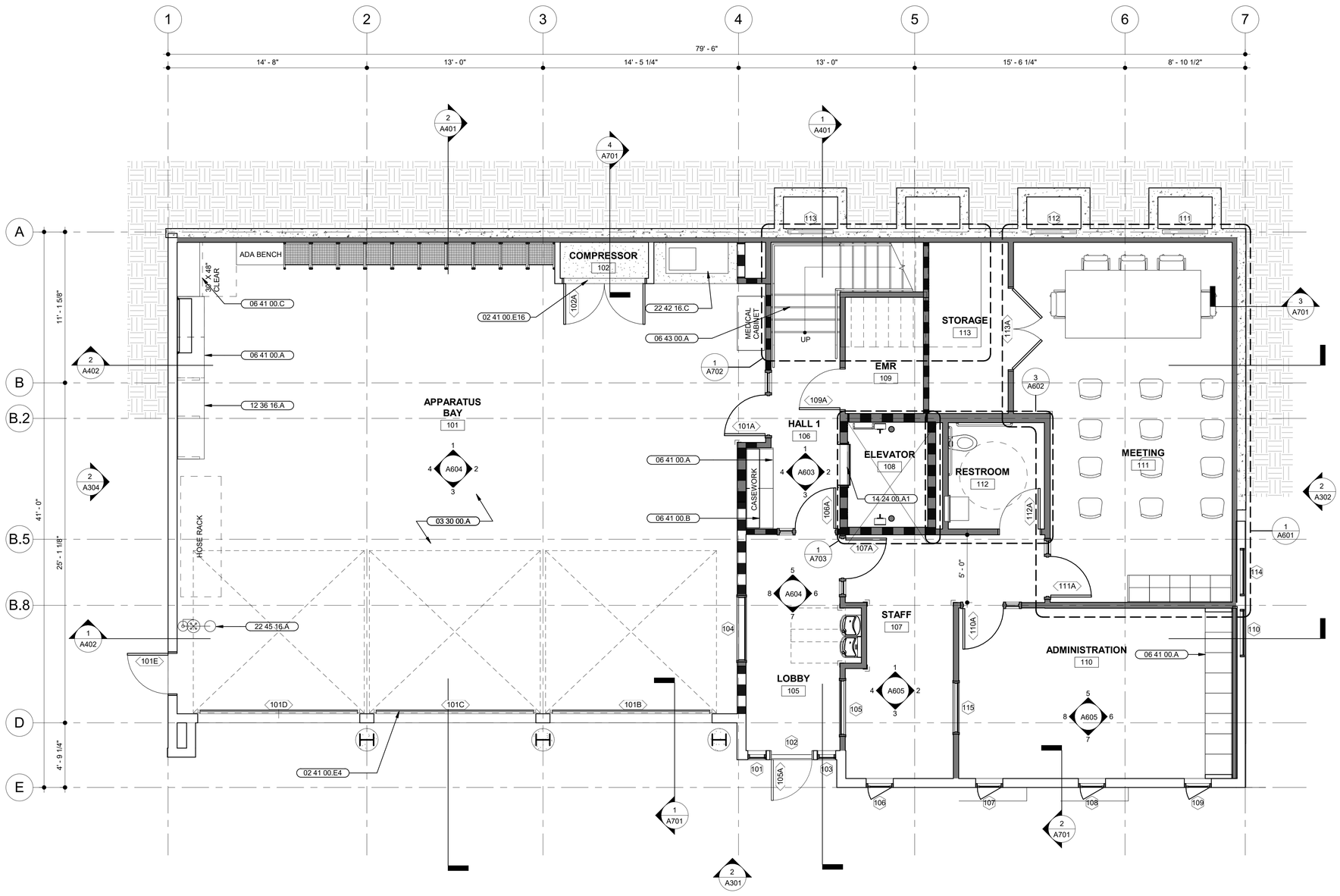
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
EXISTING AND DEMOLITION GROUND FLOOR PLAN

A201

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:24 PM



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

SHEET NOTES

1. DIMENSIONS ARE TAKEN FROM GRIDLINE TO FACE OF STUD. DIMENSIONS NOTED WITH CLR. ARE FROME FACE OF FINISH TO FACE OF FINISH.
2. FURNITURE, FIXTURES, AND EQUIPMENT SHOWN FOR REFERENCE. SEE FF&E PLAN AND SPECIFICATIONS
3. SEE RCP ON SHEET A205 AND A206
4. SEE ROOF PLAN ON SHEET A208
5. SEE WALL TYPES ON SHEET A901
6. FOR EXTERIOR WALL ASSEMBLIES/TYPES, SEE DETAIL CALLOUTS ON EXTERIOR ELEVATIONS
7. PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND WALL MOUNTED ACCESSORIES INCLUDING BATHROOM FIXTURES, SEE DETAIL X/A9XX
8. PROVIDE FIRE BLOCKING FOR WALL CAVITIES THAT EXCEED CBC HEIGHT LIMITATIONS.
9. ALL WALL FRAMING TO EXTEND TO BOTTOM OF FLOOR FRAMING OR ROOF FRAMING, U.O.N.

KEYNOTES

02 41 00.E4	(E) SECTIONAL DOORS TO REMAIN
02 41 00.E16	(E) COMPRESSOR AND CLOSET TO REMAIN. REPLACE (E) DOOR
03 30 00.A	CONCRETE APP BAY FLOOR, SLOPE TO DRAINS. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION
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 43 00.A	(N) WOOD FRAMED STAIR
12 36 16.A	METAL COUNTERTOPS
14 24 00.A1	HYDRAULIC ELEVATOR
22 42 16.C	DECON SERVICE SINK WITH INTERGRAL WORKTABLE, SEE PLUMBING DRAWINGS
22 45 16.A	SAFETY SHOWER AND EYEWASH, SEE PLUMBING DRAWINGS

WALL LEGEND

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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

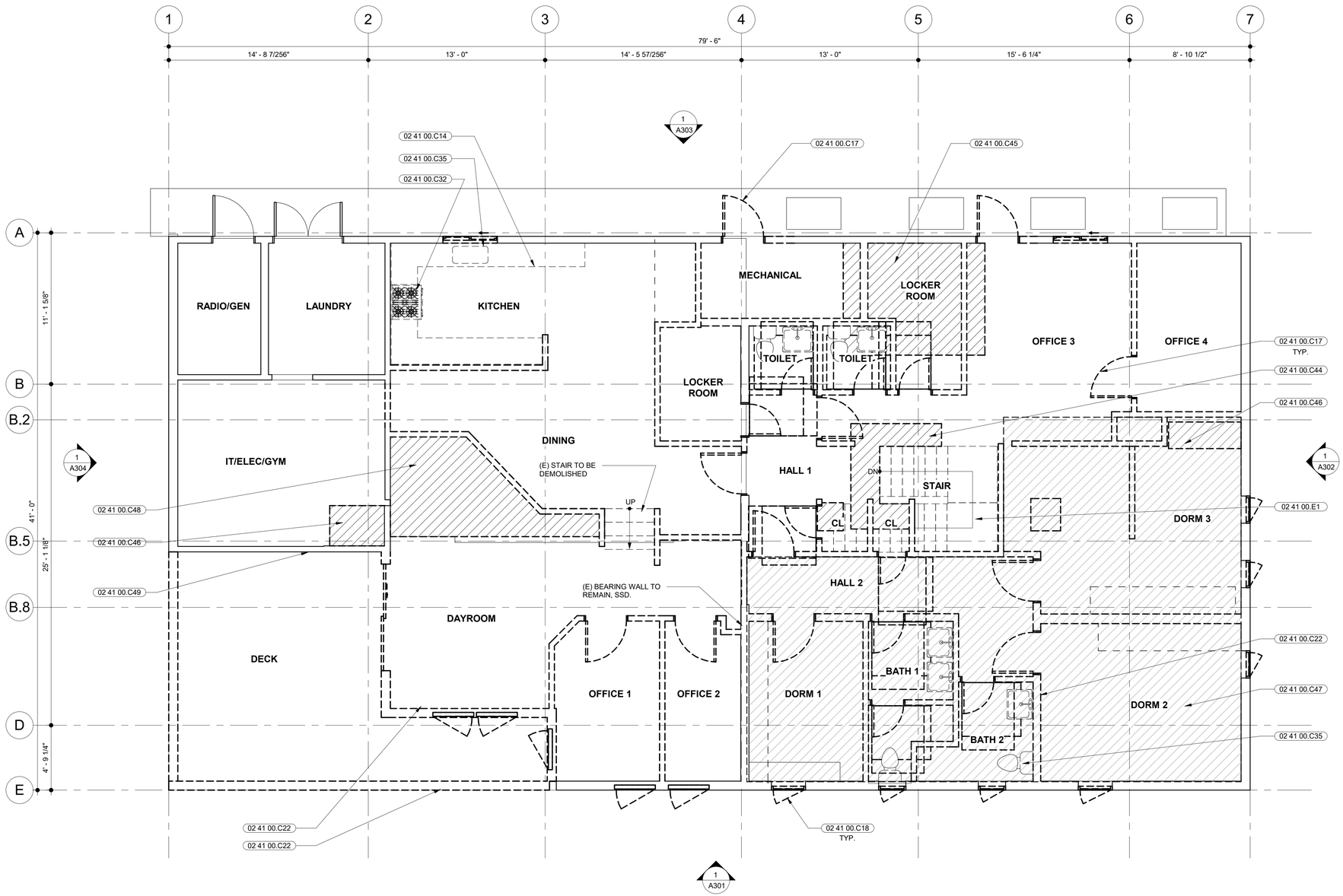
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
PROPOSED GROUND FLOOR PLAN

A202

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:25 PM



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

SHEET NOTES

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

KEYNOTES

02 41 00.C14 (E) CASEWORK TO BE REMOVED
02 41 00.C17 (E) DOOR AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
02 41 00.C18 (E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
02 41 00.C22 (E) WALLS TO BE REMOVED
02 41 00.C32 (E) EQUIPMENT TO BE REMOVED
02 41 00.C35 (E) FIXTURES TO BE REMOVED
02 41 00.C44 (E) FLOOR AREA TO BE REMOVED FOR (N) ELEVATOR SHAFT
02 41 00.C45 (E) FLOOR AREA TO BE REMOVED FOR (N) STAIRWELL
02 41 00.C46 (E) FLOOR AREA TO BE REMOVED FOR (N) MECHANICAL SHAFT
02 41 00.C47 (E) FLOOR AREA TO BE REMOVED FOR (N) RAISED FLOOR AREA, SSD.
02 41 00.C48 (E) RAISED FLOOR AREA TO BE REMOVED
02 41 00.C49 (E) EXTERIOR SIDING TO BE REMOVED, (E) FRAMING TO REMAIN
02 41 00.E1 (E) WALL FINISH TO BE REMOVED. REMOVE (E) FRP PANELS AT GARAGE. (E) FRAMING TO REMAIN

WALL LEGEND

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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

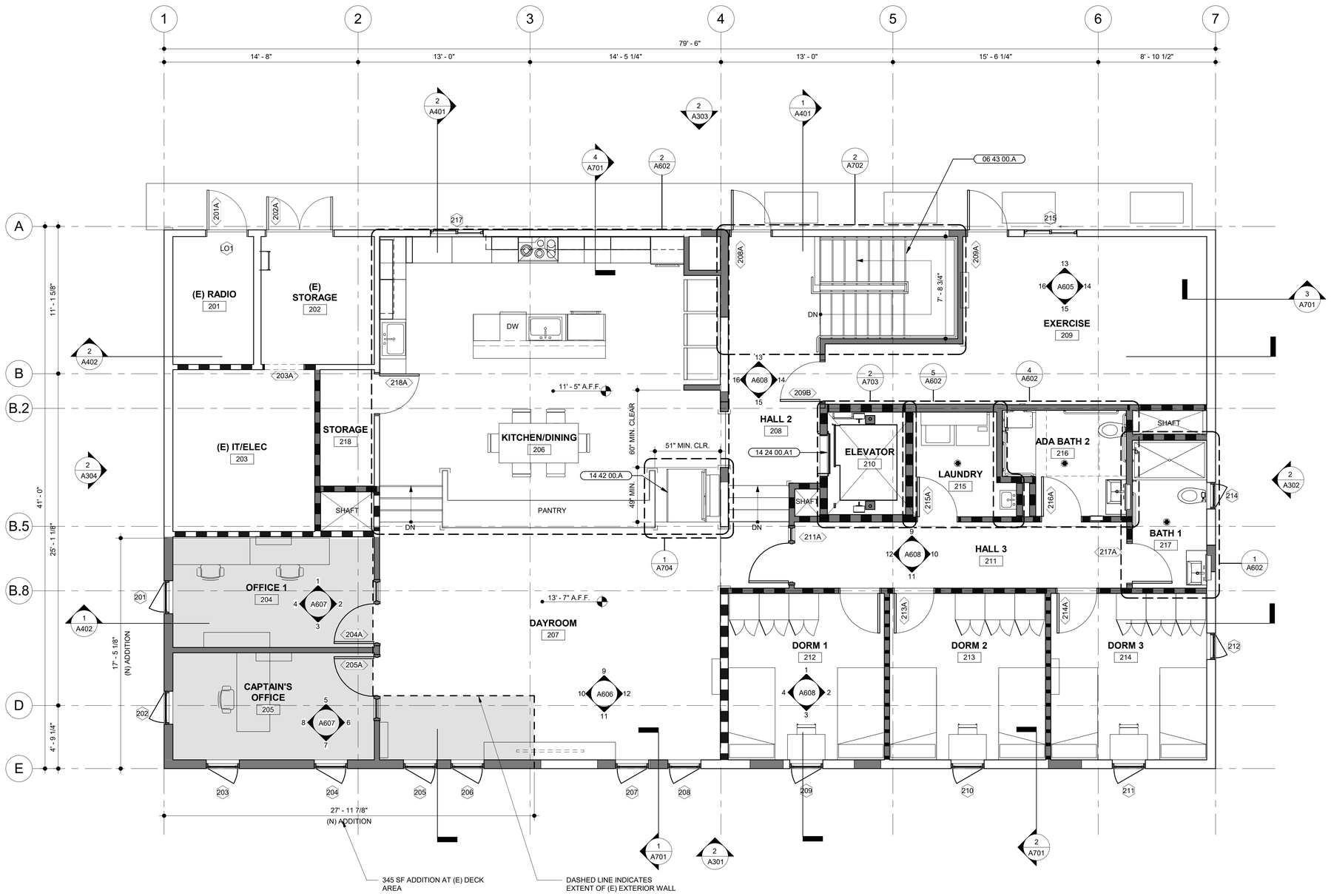
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
EXISTING AND DEMOLITION SECOND FLOOR PLAN

A203

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 6:47:33 PM



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

SHEET NOTES

1. DIMENSIONS ARE TAKEN FROM GRIDLINE TO FACE OF STUD. DIMENSIONS NOTED WITH CLR. ARE FROME FACE OF FINISH TO FACE OF FINISH.
2. FURNITURE, FIXTURES, AND EQUIPMENT SHOWN FOR REFERENCE. SEE FF&E PLAN AND SPECIFICATIONS
3. SEE RCP ON SHEET A205 AND A206
4. SEE ROOF PLAN ON SHEET A208
5. SEE WALL TYPES ON SHEET A901
6. FOR EXTERIOR WALL ASSEMBLIES/TYPES, SEE DETAIL CALLOUTS ON EXTERIOR ELEVATIONS
7. PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND WALL MOUNTED ACCESSORIES INCLUDING BATHROOM FIXTURES, SEE DETAIL X/A9XX
8. PROVIDE FIRE BLOCKING FOR WALL CAVITIES THAT EXCEED CBC HEIGHT LIMITATIONS.
9. ALL WALL FRAMING TO EXTEND TO BOTTOM OF FLOOR FRAMING OR ROOF FRAMING, U.O.N.

KEYNOTES

06 43 00.A (N) WOOD FRAMED STAIR
14 24 00.A1 HYDRAULIC ELEVATOR
14 42 00.A ADA ACCESSIBLE WHEELCHAIR LIFT

WALL LEGEND

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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

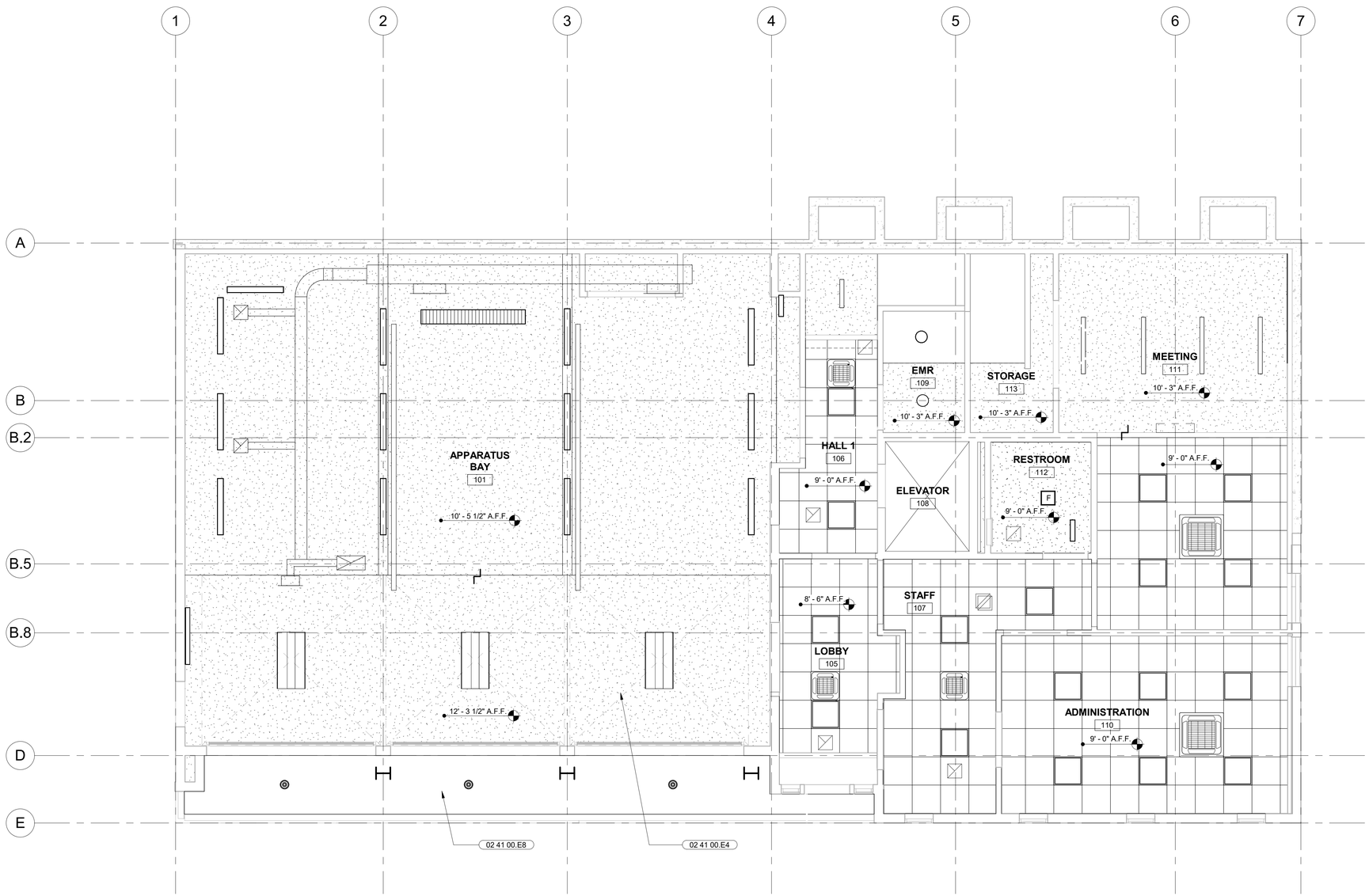
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
PROPOSED SECOND FLOOR PLAN

A204

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:28 PM



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

SHEET NOTES

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

KEYNOTES

02 41 00.E4 (E) SECTIONAL DOORS TO REMAIN
02 41 00.E8 PAINT (E) CEMENT BOARD SOFFIT

REFLECTED CEILING LEGEND

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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

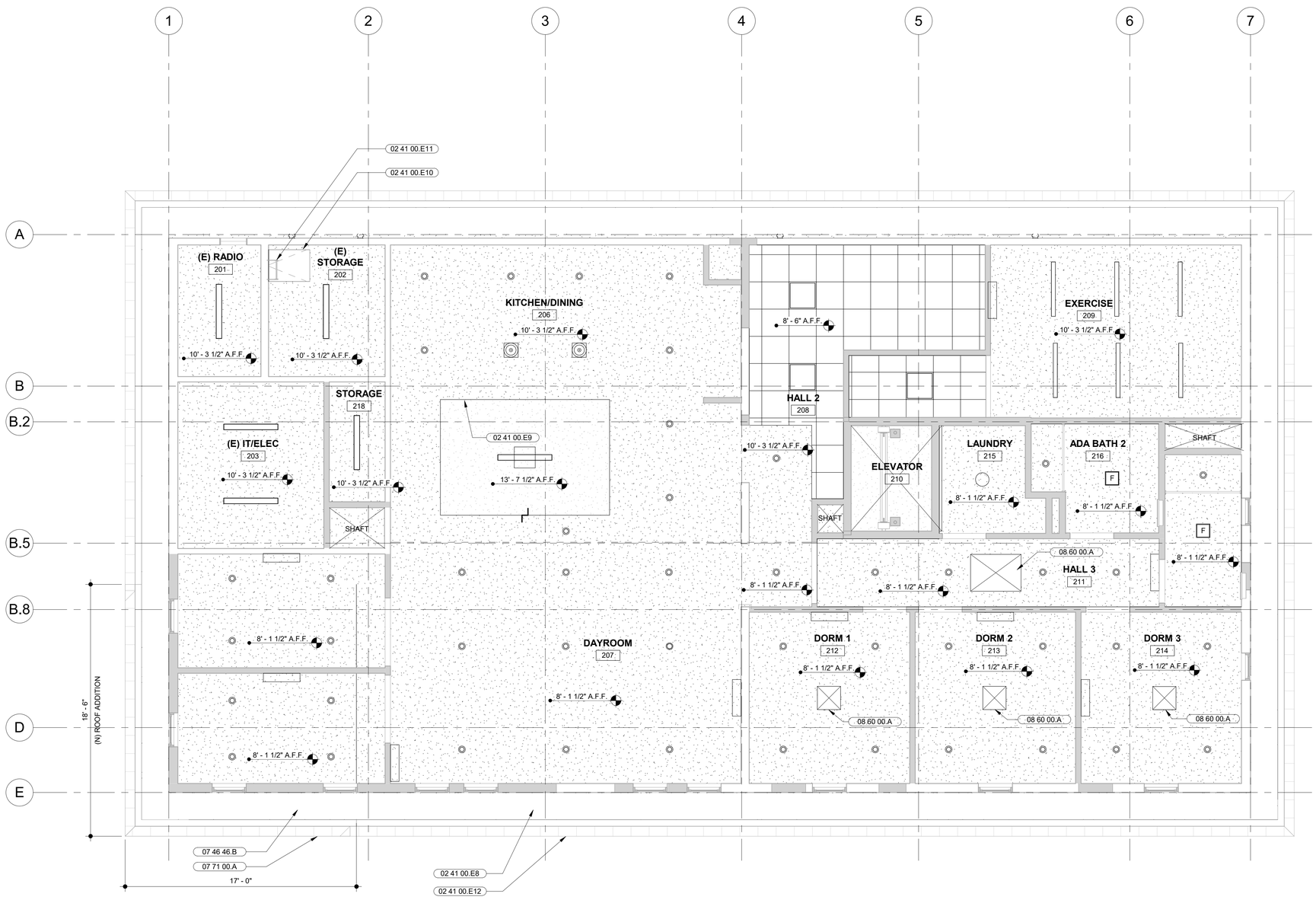
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
PROPOSED GROUND FLOOR REFLECTED CEILING PLAN

A205

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:29 PM



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

SHEET NOTES

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

KEYNOTES

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

REFLECTED CEILING LEGEND

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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

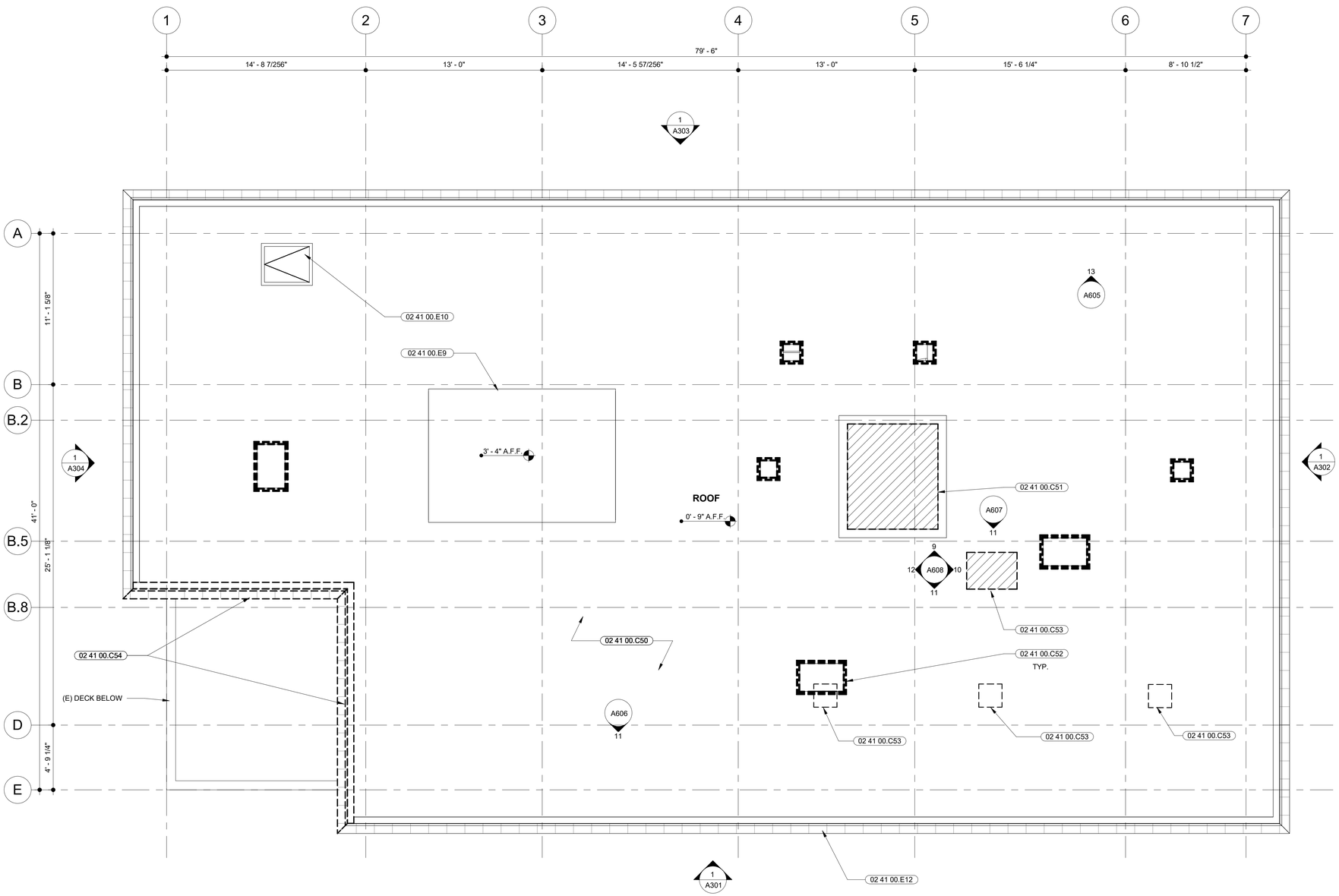
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
PROPOSED SECOND FLOOR REFLECTED CEILING PLAN

A206

C:\Users\rober\Documents\Kensington Public Safety Building_Central_rober1T6CYZ.rvt

12/17/2021 4:05:30 PM



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

KEYNOTES

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

WALL LEGEND

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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

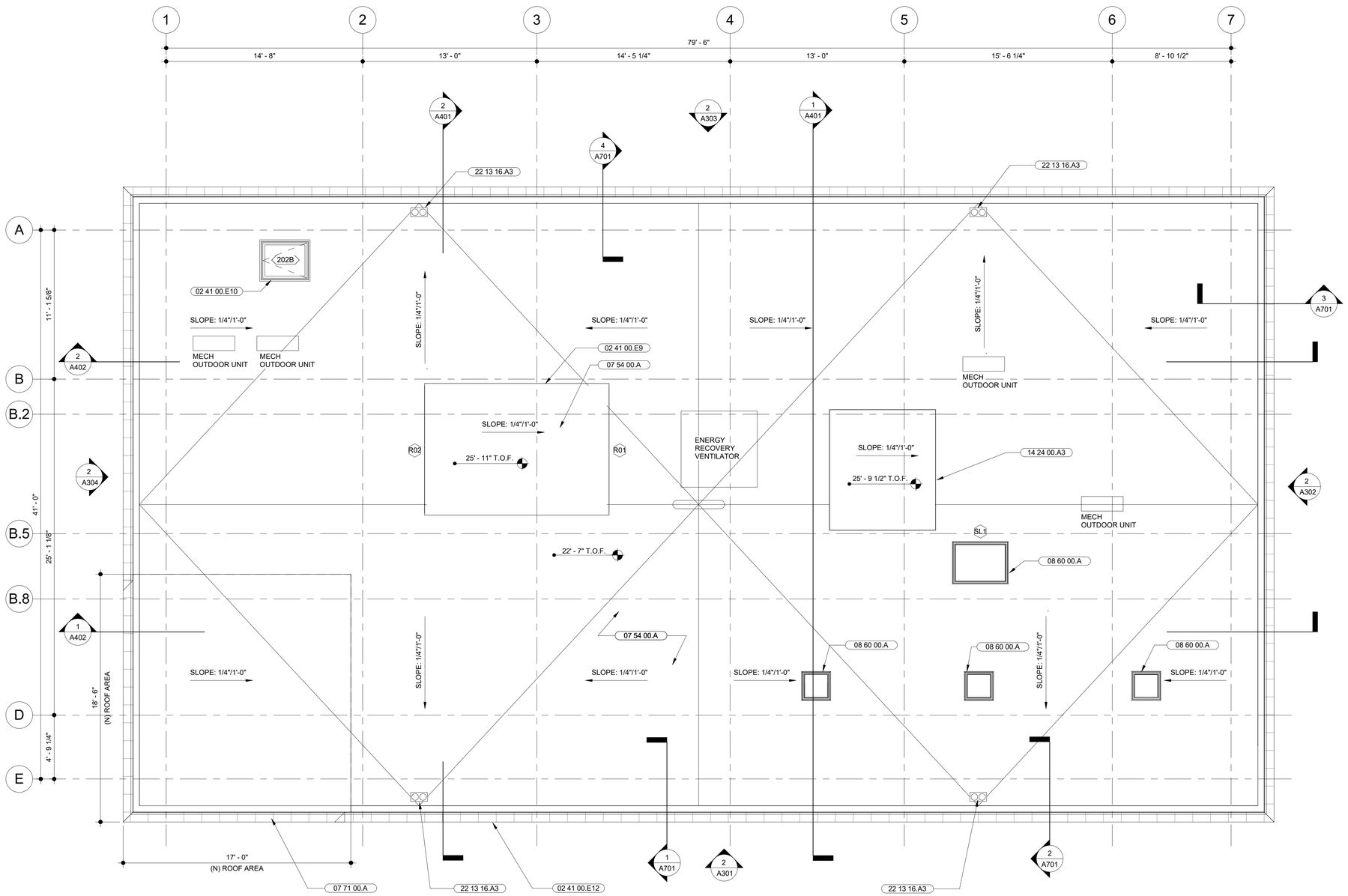
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
EXISTING ROOF PLAN

A207

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:31 PM



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

SHEET NOTES

1. SEE STRUCTURAL FOR TOP OF FRAMING. TOP OF ROOFING AND TOP OF FRAMING VARY.
2. ALL PENETRATIONS THROUGH ROOF SHALL BE FLASHED AND SEALED WATERTIGHT. SEE MEP DRAWINGS FOR ADDITIONAL PENETRATIONS.
3. ANTENNA TO BE PROVIDED BY OWNER AND INTALLED BY CONTRACTOR (OFCI), SEE LOW VOLTAGE DRAWINGS.
4. MIN. ROOFING THICKNESS PER TITLE-24 CALCULATIONS. PROVIDE TAPERED INSULATION THROUGHOUT PER ROOF SLOPES, DETAILS, AND SPECIFICATIONS.
5. PROVIDE WALK PADS FROM ROOF HATCH THROUGH ALL MAIN AISLES FROM ROOF HATCH TO ROOF TOP EQUIPMENT.

KEYNOTES

02 41 00.E9	(E) CLEARSTORY LIGHT MONITOR
02 41 00.E10	(E) ROOF HATCH ACCESS DOOR
02 41 00.E12	(E) METAL FASCIA TO REMAIN
07 54 00.A	THERMOPLASTIC MEMBRANE ROOFING OVER TAPERED RIGID INSULATION
07 71 00.A	METAL FASCIA TO MATCH (E)
08 60 00.A	CURB MOUNTED FIXED SKYLIGHT
14 24 00.A3	ELEVATOR HOISTWAY OVERHEAD
22 13 16.A3	ROOF DRAIN

WALL LEGEND

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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

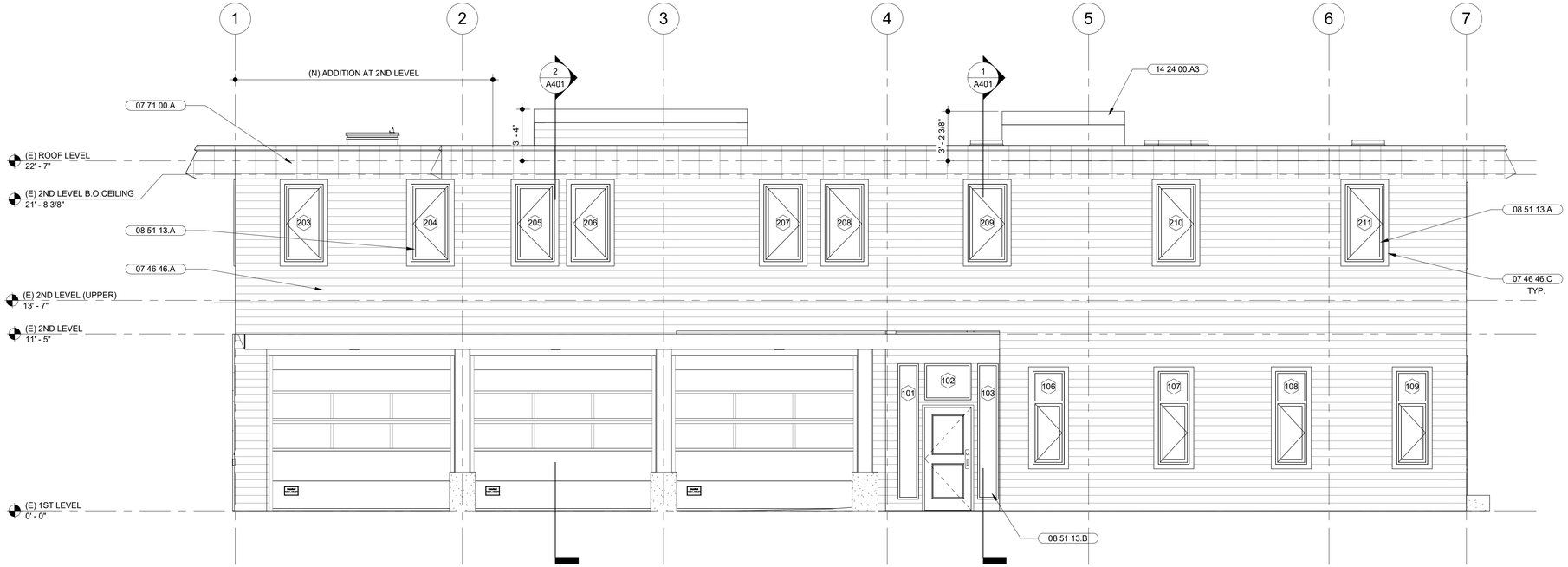
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
PROPOSED ROOF PLAN

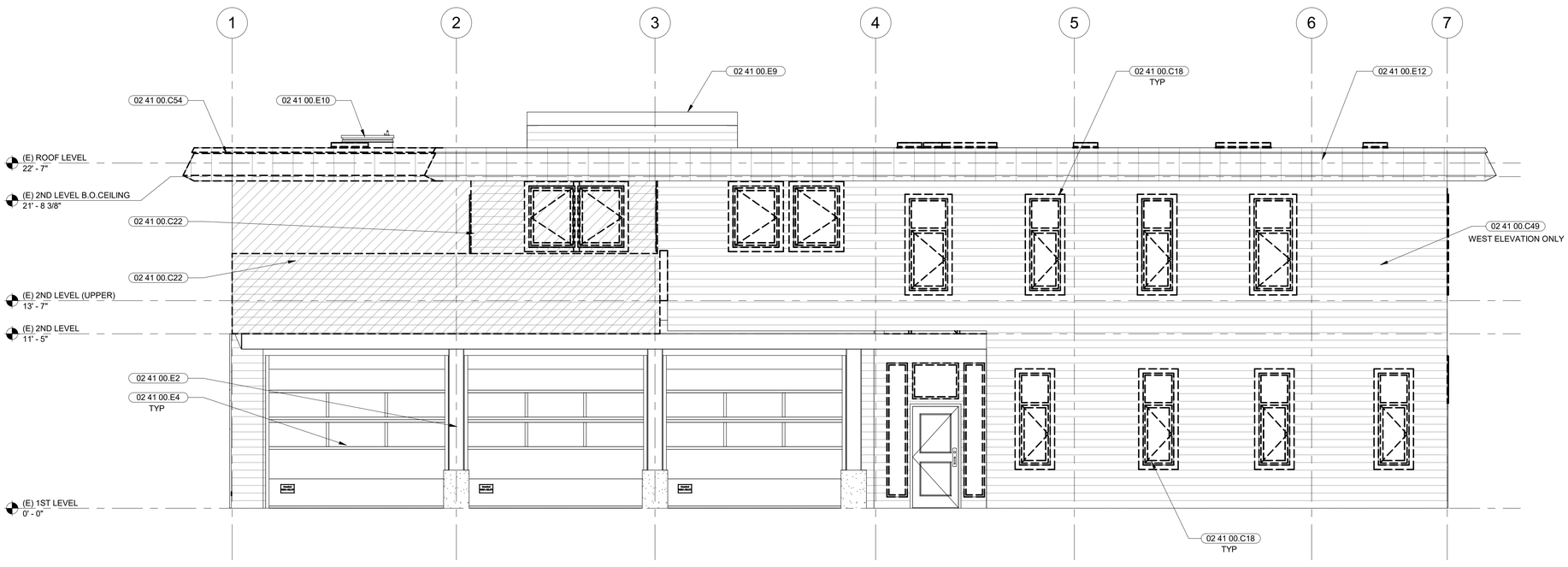
A208

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:31 PM



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



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

SHEET NOTES

1. FOR DOOR SIZES AND TYPE, REFER TO DOOR SCHEDULE
2. FOR WINDOW SIZES AND TYPE, REFER TO WINDOW SCHEDULE

KEYNOTES

02 41 00.C18	(E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
02 41 00.C22	(E) WALLS TO BE REMOVED
02 41 00.C49	(E) EXTERIOR SIDING TO BE REMOVED, (E) FRAMING TO REMAIN
02 41 00.C54	(E) METAL FASCIA TO BE REMOVED
02 41 00.E2	(E) MOMENT FRAME AND CONCRETE PIERS TO REMAIN
02 41 00.E4	(E) SECTIONAL DOORS TO REMAIN
02 41 00.E9	(E) CLEARSTORY LIGHT MONITOR
02 41 00.E10	(E) ROOF HATCH ACCESS DOOR
02 41 00.E12	(E) METAL FASCIA TO REMAIN
07 46 46.A	PAINTED FIBER CEMENT BOARD HORIZONTAL SIDING
07 46 46.C	PAINTED FIBER CEMENT TRIM BOARD
07 71 00.A	METAL FASCIA TO MATCH (E)
08 51 13.A	ALUMINUM CASEMENT WINDOW
08 51 13.B	ALUMINUM FIXED WINDOW
14 24 00.A3	ELEVATOR HOISTWAY OVERHEAD

LEGEND

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

MARJANG
ARCHITECTURE

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

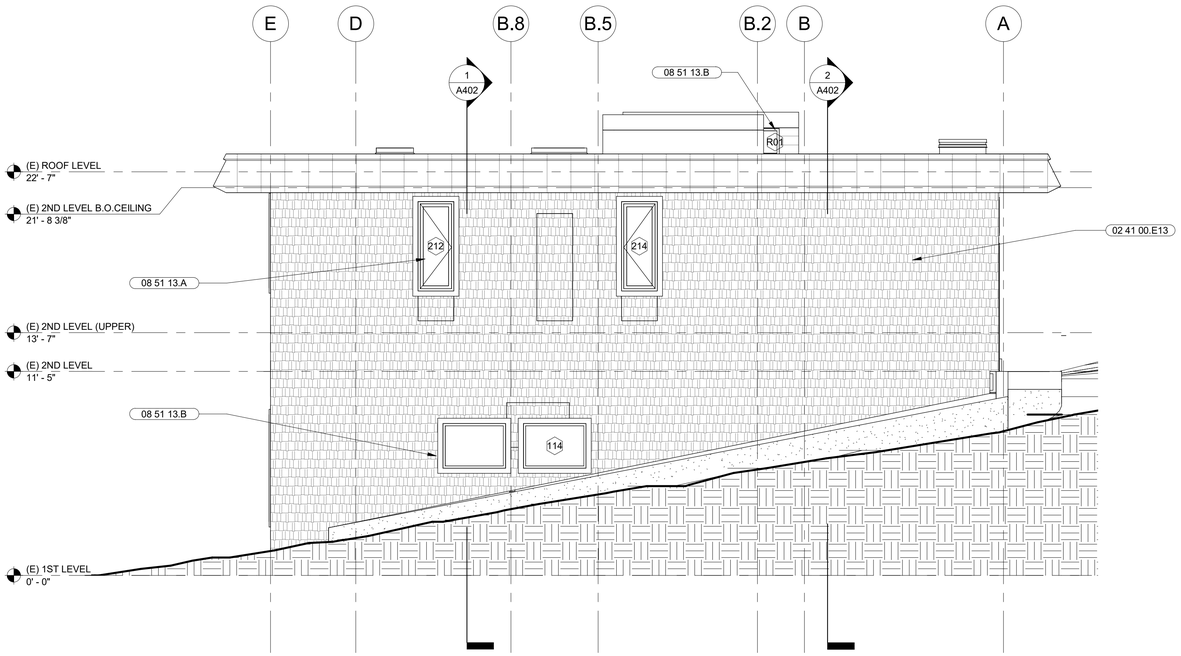
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
EXTERIOR ELEVATIONS - WEST

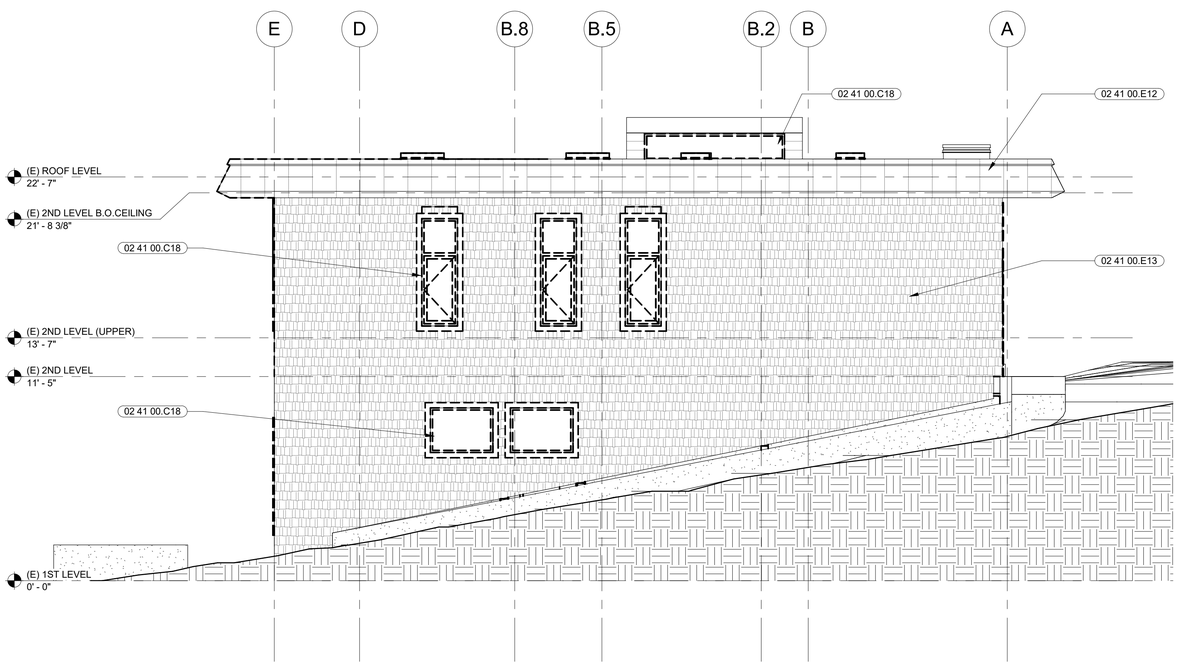
A301

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:33 PM



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



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

SHEET NOTES

1. FOR DOOR SIZES AND TYPE, REFER TO DOOR SCHEDULE
2. FOR WINDOW SIZES AND TYPE, REFER TO WINDOW SCHEDULE

KEYNOTES

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

LEGEND

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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

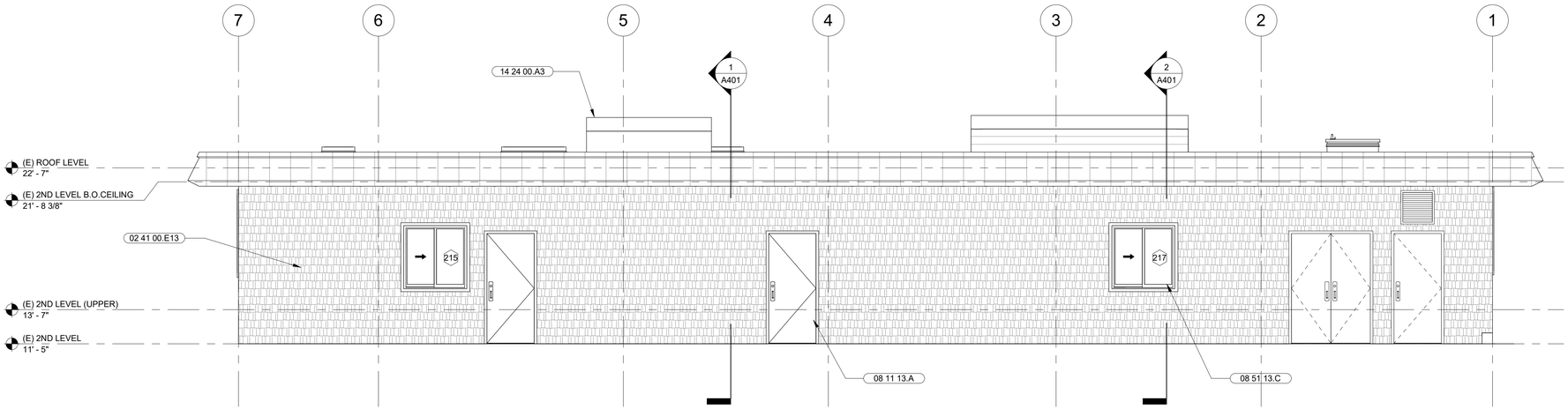
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
EXTERIOR ELEVATIONS - SOUTH

A302

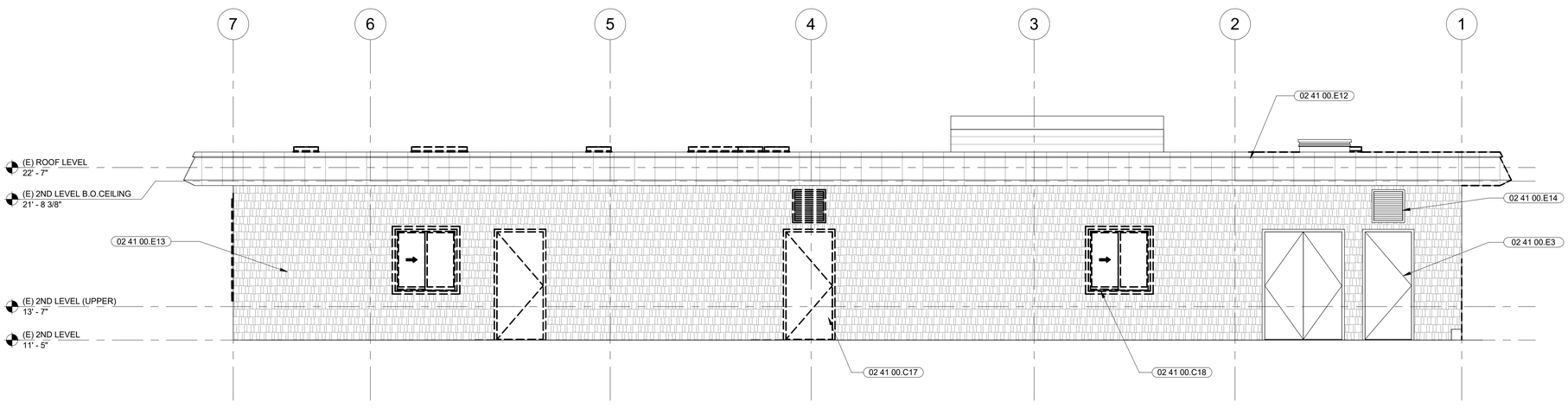
C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:34 PM



2 PROPOSED EAST ELEVATION

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



1 EXISTING (DEMOLITION) EAST ELEVATION

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

SHEET NOTES

1. FOR DOOR SIZES AND TYPE, REFER TO DOOR SCHEDULE
2. FOR WINDOW SIZES AND TYPE, REFER TO WINDOW SCHEDULE

KEYNOTES

02 41 00.C17	(E) DOOR AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
02 41 00.C18	(E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
02 41 00.E3	(E) DOOR TO REMAIN
02 41 00.E12	(E) METAL FASCIA TO REMAIN
02 41 00.E13	(E) CEMENT BOARD SHINGLE SIDING TO REMAIN. PAINT, PATCH, AND REPAIR AS REQUIRED
02 41 00.E14	(E) METAL LOUVER TO REMAIN
08 11 13.A	HOLLOW METAL DOOR AND FRAME
08 51 13.C	ALUMINUM SLIDING WINDOW
14 24 00.A3	ELEVATOR HOISTWAY OVERHEAD

LEGEND

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

MARJANG
ARCHITECTURE

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

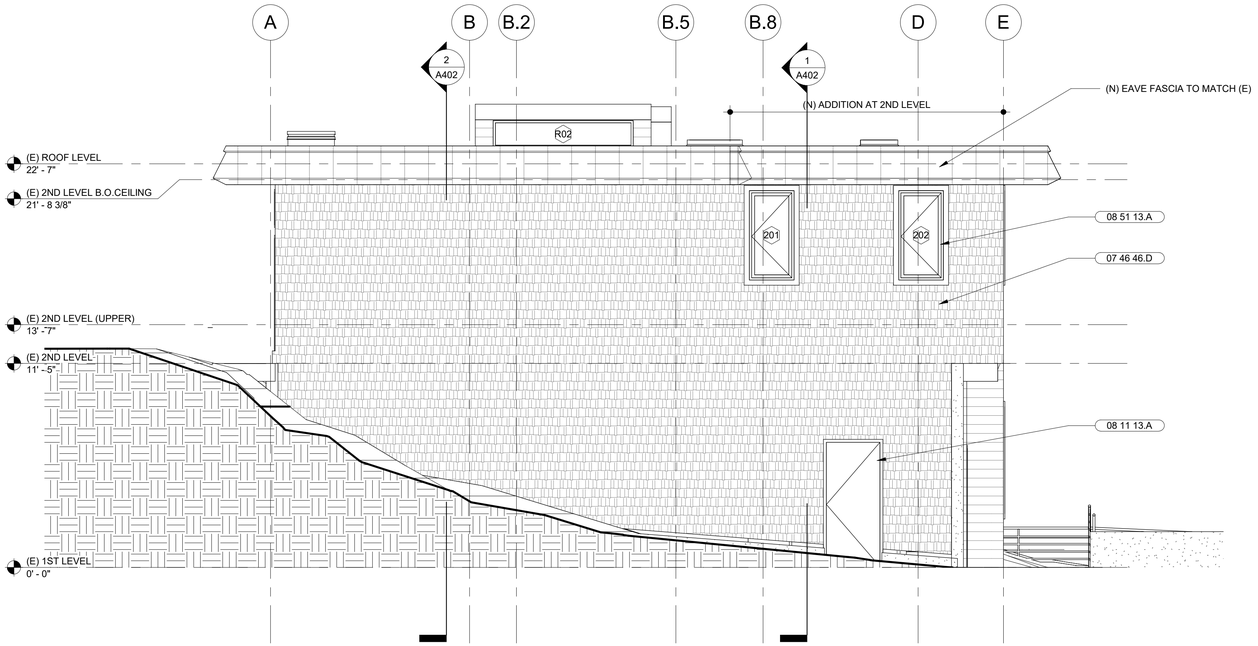
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
EXTERIOR ELEVATIONS - EAST

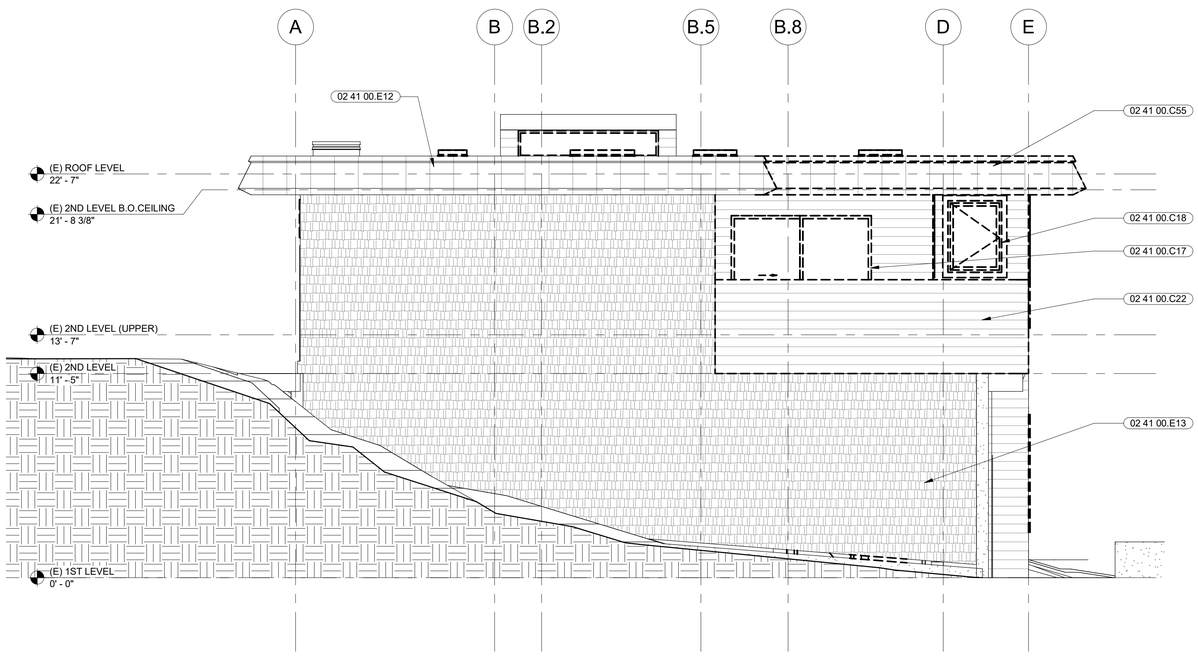
A303

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:35 PM



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



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

SHEET NOTES

1. FOR DOOR SIZES AND TYPE, REFER TO DOOR SCHEDULE
2. FOR WINDOW SIZES AND TYPE, REFER TO WINDOW SCHEDULE

KEYNOTES

02 41 00.C17	(E) DOOR AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
02 41 00.C18	(E) WINDOW AND FRAME TO BE REMOVED INDICATED BY DASHED LINES, TYP.
02 41 00.C22	(E) WALLS TO BE REMOVED
02 41 00.C55	(E) METAL LOUVER TO BE REMOVED
02 41 00.E12	(E) METAL FASCIA TO REMAIN
02 41 00.E13	(E) CEMENT BOARD SHINGLE SIDING TO REMAIN. PAINT, PATCH, AND REPAIR AS REQUIRED
07 46 46.D	PAINTED FIBER CEMENT BOARD SHINGLE SIDING
08 11 13.A	HOLLOW METAL DOOR AND FRAME
08 51 13.A	ALUMINUM CASEMENT WINDOW

LEGEND

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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

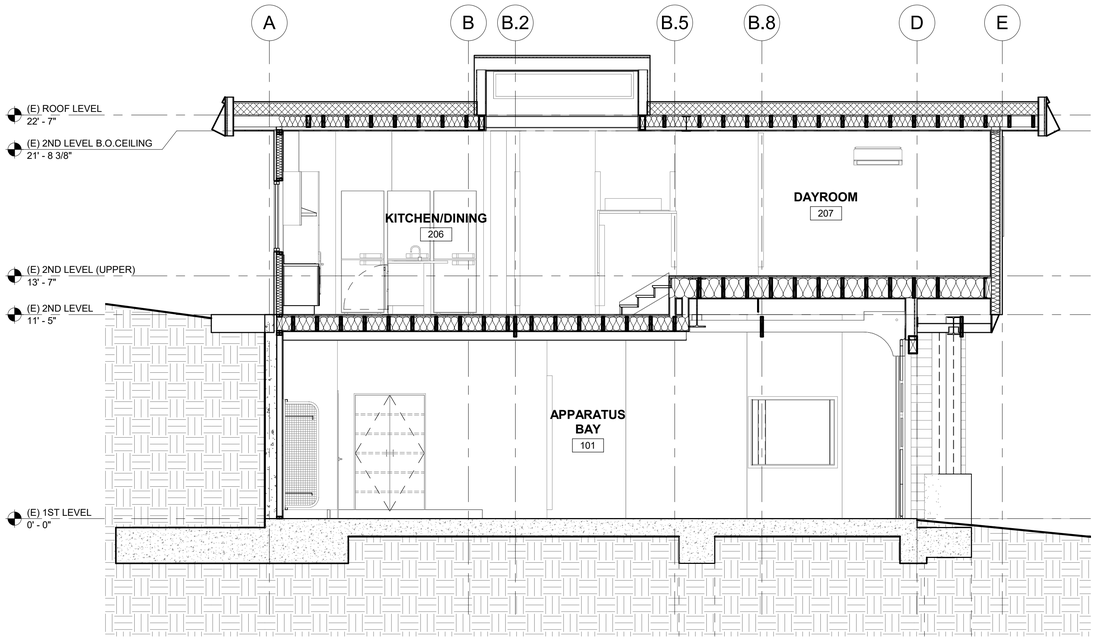
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
EXTERIOR ELEVATIONS - NORTH

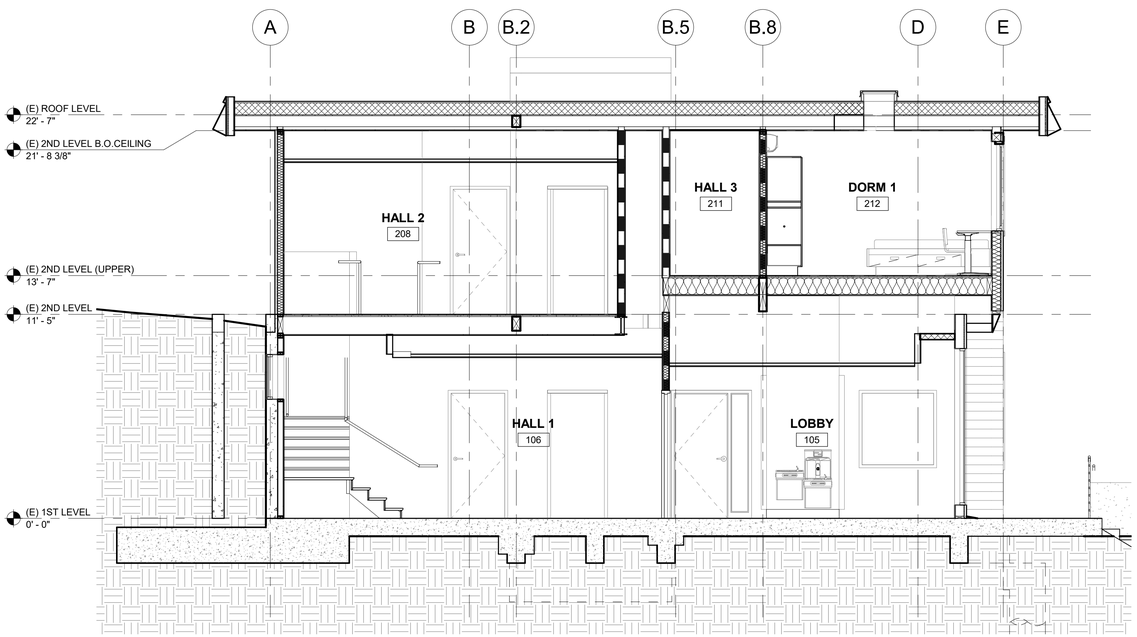
A304

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:36 PM



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



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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

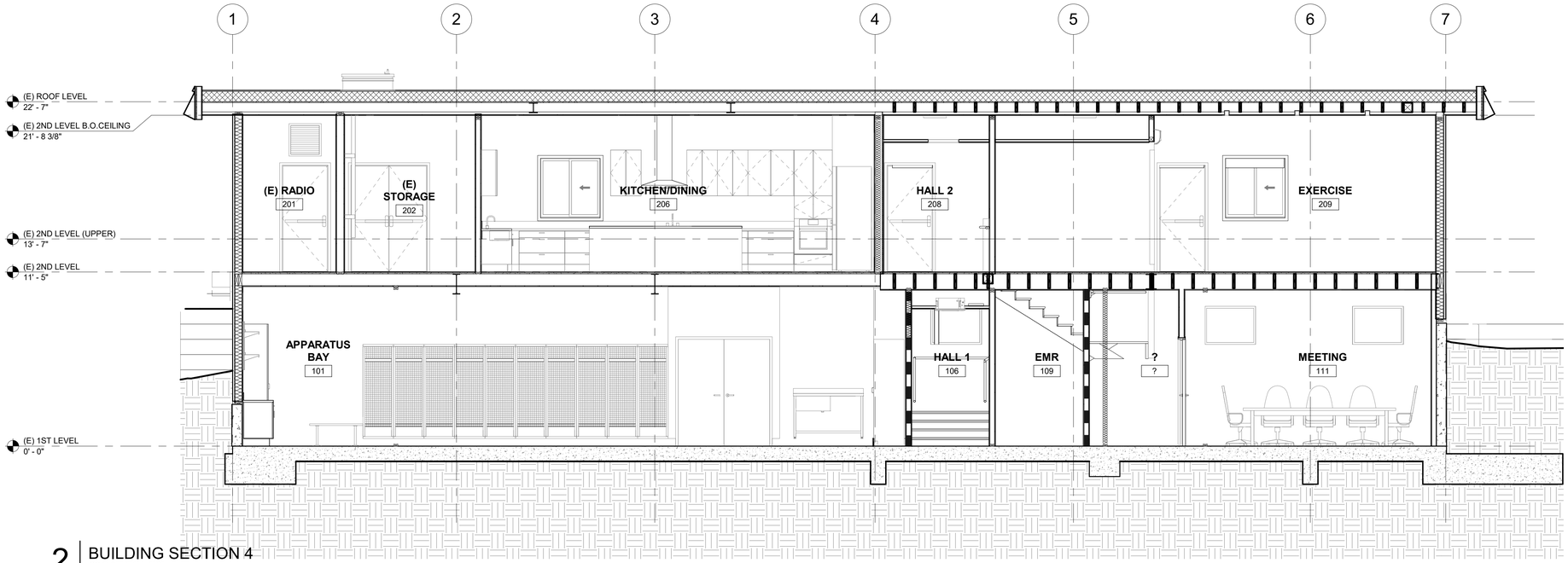
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
BUILDING SECTIONS

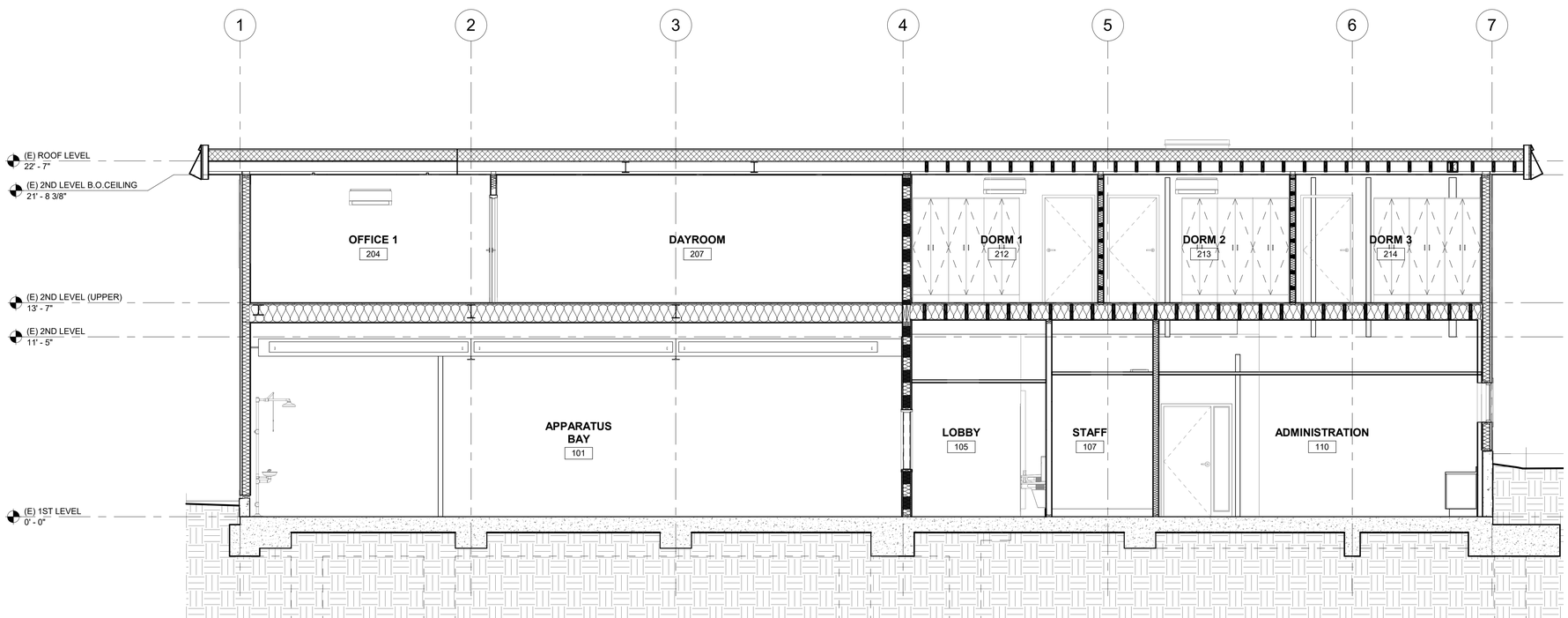
A401

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:37 PM



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



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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
2	PLANNING SUBMITTAL	11/01/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
BUILDING SECTIONS

A402

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:38 PM

DOOR SCHEDULE

DOOR NO.	LOCATION	PHASE CREATED	HW SET	FIRE RATING	TYPE	SIZE WIDTH	SIZE HEIGHT	SIZE THICK	DOOR MAT'L	DOOR FINISH	FRAME MAT'L	FRAME FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD	REMARK
101A	APPARATUS BAY	New Construction		20 MIN	C	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				
101B	APPARATUS BAY	Existing				3' - 3 3/8"	6' - 6 3/4"									EXISTING ROLL-UP DOOR
101C	APPARATUS BAY	Existing				3' - 3 3/8"	6' - 6 3/4"									EXISTING ROLL-UP DOOR
101D	APPARATUS BAY	Existing				3' - 3 3/8"	6' - 6 3/4"									EXISTING ROLL-UP DOOR
101E	APPARATUS BAY	New Construction			A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				
102A	COMPRESSOR	New Construction		20 MIN	D	6' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				LOUVERED
103J	DORM 2	New Construction		20 MIN	A	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
105A	LOBBY	Existing				3' - 0"	6' - 8"	0' - 1 3/4"								PAINT AS REQUIRED
106A	HALL 1	New Construction		20 MIN	C	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
107A	STAFF	New Construction			C	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
109A	RECORDS	New Construction			A	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
110A	ADMINISTRATION	New Construction			C	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
111A	MEETING/E.O.C.	New Construction			C	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
112A	RESTROOM	New Construction			A	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
113A	STORAGE	New Construction			D	6' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
201A	(E) RADIO	Existing				3' - 0"	7' - 0"	0' - 1 3/4"								
202A	(E) STORAGE	Existing				5' - 0"	7' - 0"	0' - 1 3/4"								
202B	(E) STORAGE	Existing				3' - 0"	1' - 0 5/8"									ROOF HATCH
203A	(E) IT/ELEC	Existing				0' - 0"	0' - 0"									REMOVE DOOR AT (E) OPENING, LEAVE HM FRAME
204A	OFFICE 1	New Construction			C	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
205A	CAPTAIN'S OFFICE	New Construction			C	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
208A	HALL 2	New Construction			A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				
209A	EXERCISE	New Construction			A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	PAINTED	HM	PAINTED				
209B	EXERCISE	New Construction			B	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
211A	HALL 3	New Construction		20 MIN	C	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
213A	DORM 2	New Construction		20 MIN	A	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
214A	DORM 3	New Construction		20 MIN	A	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
215A	BATH 1	New Construction		20 MIN	A	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
216A	BATH 2	New Construction		20 MIN	A	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				
217A	LAUNDRY	New Construction		20 MIN	A	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				LOUVERED
218A	STORAGE	New Construction			A	3' - 0"	7' - 0"	0' - 1 3/4"	WOOD	CLEAR COAT	HM	PAINTED				

DOOR TYPICAL NOTES

1. SQUARE PROFILE FOR ALL GLAZING STOPS, NO OGEE OR CURVED PROFILES. IF GLAZED FROM EXTERIOR SIDE, GLAZING STOPS TO BE SLOPED MIN. 1/4" PER FT TO SHED WATER.

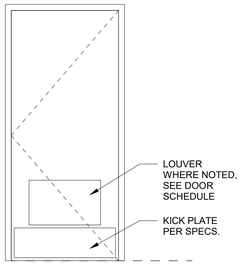
2. ALL GLASS TO BE TEMPERED.

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

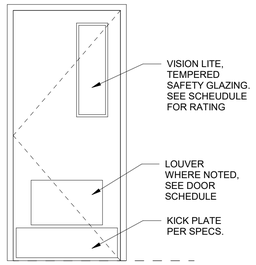
4. NOTE RAIL AND STILE DIMENSIONS, AND FABRICATE ACCORDINGLY.

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

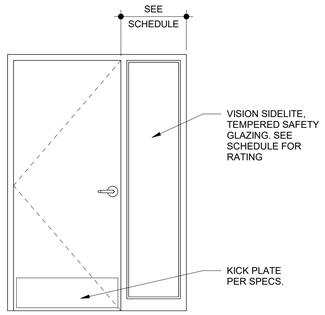
6. 5/16" MAX UNDERCUT @ DOOR BOTTOMS. UNDERCUT ONLY AT CARPETED AREAS. UNDERCUT DOORS ARE IDENTIFIED IN DOOR SCHEDULE.



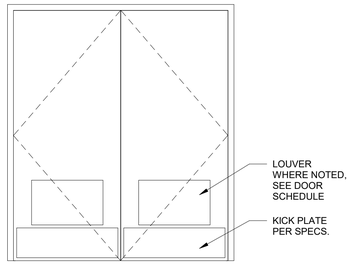
TYPE A
SINGLE FLUSH



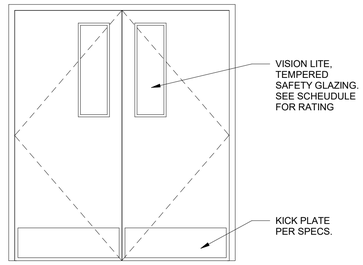
TYPE B
SINGLE FLUSH W/ VISION LITE



TYPE C
SINGLE FLUSH W/ VISION SIDELITE



TYPE D
DOUBLE FLUSH



TYPE E
DOUBLE FLUSH W/ VISION LITE

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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS
217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
DOOR SCHEDULE

A501

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:39 PM

WINDOW SCHEDULE

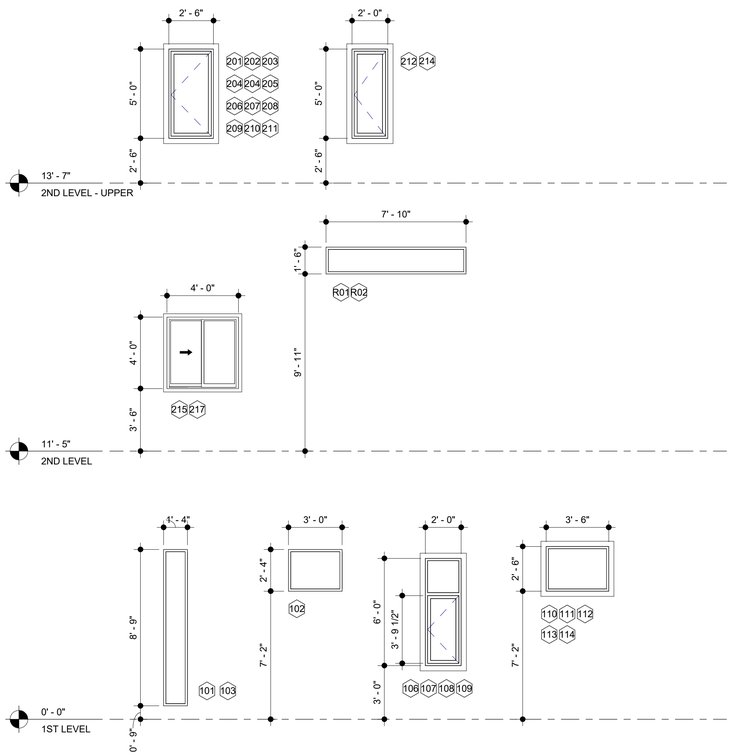
MARK	LOCATION	PHASE CREATED	TYPE		CONSTRUCTION TYPE	OPENING WIDTH	OPENING HEIGHT	SILL HEIGHT	MATERIALS FINISH	MATERIALS GLAZING	TRIM	U-FACTOR	COMMENTS
101	LOBBY	New Construction	EXTERIOR		Window-Fixed	1' - 4"	8' - 9"	0' - 9"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
102	LOBBY	New Construction	EXTERIOR		Window-Fixed	3' - 0"	2' - 4"	7' - 2"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
103	LOBBY	New Construction	EXTERIOR		Window-Fixed	1' - 4"	8' - 9"	0' - 9"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
104	LOBBY	New Construction	INTERIOR		WINDOW - , HM_FRAME_W_SINGLE_PANE_10789	4' - 8"	3' - 8"	3' - 0"	PAINTED HM	TEMPERED	NONE		1-HR RATED FRAME AND GLAZING ASSEMBLY
105	LOBBY	New Construction	INTERIOR		WINDOW - , HM_FRAME_W_SINGLE_PANE_10789	4' - 0"	4' - 0"	3' - 0"	PAINTED HM	TEMPERED	NONE		
106	STAFF	New Construction	EXTERIOR		Window-Casement-Upper Lite-Trim	2' - 0"	6' - 0"	3' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
107	ADMINISTRATION	New Construction	EXTERIOR		Window-Casement-Upper Lite-Trim	2' - 0"	6' - 0"	3' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
108	ADMINISTRATION	New Construction	EXTERIOR		Window-Casement-Upper Lite-Trim	2' - 0"	6' - 0"	3' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
109	ADMINISTRATION	New Construction	EXTERIOR		Window-Casement-Upper Lite-Trim	2' - 0"	6' - 0"	3' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
110	ADMINISTRATION	New Construction	EXTERIOR		Window-Fixed-Trim	3' - 6"	2' - 6"	6' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
111	MEETING	New Construction	EXTERIOR		Window-Fixed	3' - 4"	2' - 6"	6' - 8"	ALUM.		REPAIR AS REQUIRED		EXISTING TO REMAIN
112	MEETING	Existing	EXTERIOR		Window-Fixed	3' - 4"	2' - 6"	6' - 8"	ALUM.		REPAIR AS REQUIRED		EXISTING TO REMAIN
113	HALL1	Existing	EXTERIOR		Window-Fixed	3' - 4"	2' - 6"	6' - 8"	ALUM.		REPAIR AS REQUIRED		EXISTING TO REMAIN
114	ADMINISTRATION	New Construction	EXTERIOR		Window-Fixed-Trim	3' - 6"	2' - 6"	6' - 0"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
115	STAFF	New Construction	INTERIOR		WINDOW - , HM_FRAME_W_SINGLE_PANE_10789	3' - 8"	3' - 8"	3' - 0"	PAINTED HM	TEMPERED	NONE		
201	OFFICE 1	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
202	CAPTAIN'S OFFICE	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
203	CAPTAIN'S OFFICE	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
204	CAPTAIN'S OFFICE	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
205	DAYROOM	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
206	DAYROOM	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
207	DAYROOM	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
208	DAYROOM	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
209	DORM 1	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
210	DORM 2	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
211	DORM 3	New Construction	EXTERIOR		Window-Casement-Trim	2' - 6"	5' - 0"	4' - 8"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		
212	DORM 3	New Construction	EXTERIOR		Window-Casement-Trim	2' - 0"	5' - 0"	4' - 6"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
214	LAUNDRY	New Construction	EXTERIOR		Window-Casement-Trim	2' - 0"	5' - 0"	4' - 6"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
215	EXERCISE	New Construction	EXTERIOR		Window-Sliding-Double	4' - 0"	4' - 0"	3' - 6"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
217	KITCHEN/DINING	New Construction	EXTERIOR		Window-Sliding-Double	4' - 0"	4' - 0"	3' - 6"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	MATCH (E)		REPLACE EXISTING IN-KIND
LO1	(E) RADIO	Existing	EXTERIOR		Window-Louvers	2' - 0"	2' - 0"	7' - 8"	PAINTED HM		REPAIR AS REQUIRED		EXISTING TO REMAIN
R01	KITCHEN/DINING	New Construction	EXTERIOR		Window-Fixed	7' - 10"	1' - 6"	0' - 11"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	NONE		REPLACE EXISTING IN-KIND
R02	KITCHEN/DINING	New Construction	EXTERIOR		Window-Fixed	7' - 10"	1' - 6"	0' - 11"	BRONZE ANOD. ALUM.	TEMPERED, INSULATED, LOW-E	NONE		REPLACE EXISTING IN-KIND
SL1	HALL 3	New Construction	EXTERIOR		Skylight	4' - 0"	3' - 0"		BRONZE ANOD. ALUM.	INSULATED, LOW-E	N/A		CURB MOUNTED FIXED
SL2	DORM 1	New Construction	EXTERIOR		Skylight	2' - 0"	2' - 0"		BRONZE ANOD. ALUM.	INSULATED, LOW-E	N/A		CURB MOUNTED FIXED
SL3	DORM 2	New Construction	EXTERIOR		Skylight	2' - 0"	2' - 0"		BRONZE ANOD. ALUM.	INSULATED, LOW-E	N/A		CURB MOUNTED FIXED
SL4	DORM 3	New Construction	EXTERIOR		Skylight	2' - 0"	2' - 0"		BRONZE ANOD. ALUM.	INSULATED, LOW-E	N/A		CURB MOUNTED FIXED

WINDOW TYPICAL NOTES

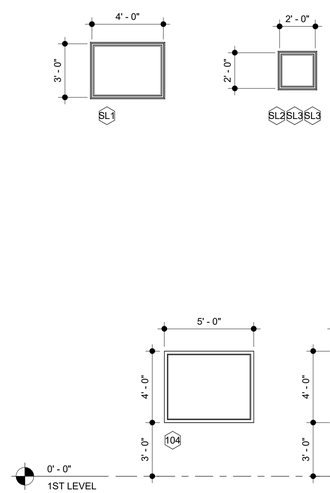
1. ALL GLASS TO BE LOW-E, INSULATED, TEMPERED W/ BUG VISIBLE.

2. ALL WINDOWS HAVE MANUFACTURER'S U-FACTOR LISTING (T24 CALCULATION SHOW ENERGY COMPLIANCE OVER MINIMUM 0.40 REQUIRED).

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



EXTERIOR WINDOWS



INTERIOR WINDOWS

SCHEDULE - WINDOWS LEGEND

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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
WINDOW SCHEDULE

A502

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:39 PM

FINISH SCHEDULE

ROOM NO.	NAME	FLOOR FINISH	WALL FINISH	BASE FINISH	CEILING FINISH	COMMENTS
101	APPARATUS BAY	SC-1	GB-2, P-2, FRL-1	RB-1	GB-2, P-2	
102	COMPRESSOR	SC-1	GB-2, P-2, FRL-1	RB-1	GB-2, P-2	
105	LOBBY	PC-1	GB-1, P-1	RB-1	ACT-1	
106	HALL 1	PC-1	GB-1, P-1	RB-1	ACT-1	
107	STAFF	PC-1	GB-1, P-1	RB-1	ACT-1	
108	ELEVATOR	SC-1	GB-1			
109	EMR	PC-1	GB-1, P-1	RB-1	GB-1, P-1	
110	ADMINISTRATION	CP-1	GB-1, P-1, TS-1	RB-1	ACT-1	
111	MEETING	CP-1	GB-1, P-1, TS-1	RB-1	ACT-1, GB-1, P-1	
112	RESTROOM	TL-4	TL-1	TL-1 COVED	GB-2, P-2	
113	STORAGE	RF-1	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	SDT-1	GB-1, P-2	RB-1	GB-1, P-2	
203	(E) IT/ELEC	SDT-1	GB-1, P-2	RB-1	GB-1, P-2	
204	OFFICE 1	CP-1	GB-1, P-1	RB-1	GB-1, P-1	
205	CAPTAIN'S OFFICE	CP-1	GB-1, P-1	RB-1	GB-1, P-1	
206	KITCHEN/DINING	RF-1	GB-2, P-2	RB-1	GB-2, P-2	
207	DAYROOM	RF-1	GB-1, P-1	RB-1	GB-1, P-1	
208	HALL 2	RF-1	GB-1, P-2	RB-1	ACT-1, GB-1, P-2	
209	EXERCISE	RR-1	GB-2, P-2	RB-1	ACT-1, GB-1, P-2	
210	ELEVATOR					
211	HALL 3	CP-1	GB-1, P-2	RB-1	GB-1, P-2	
212	DORM 1	CP-1	GB-1, P-1	RB-1	GB-1, P-1	
213	DORM 2	CP-1	GB-1, P-1	RB-1	GB-1, P-1	
214	DORM 3	CP-1	GB-1, P-1	RB-1	GB-1, P-1	
215	LAUNDRY	TL-3	GB-2, P-2	TL-1 COVED	GB-2, P-2	
216	ADA BATH 2	TL-3	TL-1	TL-1 COVED	GB-2, P-2	
217	BATH 1	RF-1	TL-1	RB-1	GB-2, P-2	
218	STORAGE	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:
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:
SIZE:
COLOR:

RR-1 RESILIENT ATHLETIC FLOORING
SPECIFICATION: 09 65 00
MFR:
SIZE:
COLOR:

RF-1 RESILIENT FLOORING
SPECIFICATION: 09 65 00
MFR:
SIZE:
COLOR:

RF-2 RESILIENT FLOORING
SPECIFICATION: 09 65 00
MFR:
SIZE:
COLOR:

CP-1 CARPET
SPECIFICATION: 09 68 00
MFR:
SIZE:
COLOR:
INSTALLATION:

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

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

TL-4 PORCELAIN TILE FLOORING
SPECIFICATION:09 30 00
MFR:
SIZE:
COLOR:
INSTALLATION:

WALL

GB-1 GYPSUM BOARD
SPECIFICATION: 09 29 00.A
FINISH: LEVEL 5

GB-2 GYPSUM BOARD - MOISTURE RESISTANT
SPECIFICATION: 09 29 00.B
FINISH: LEVEL 5

P-1 INTERIOR PAINT - LOW VOC
SPECIFICATION: 09 91 23
MFR:
FINISH: EGG SHELL
COLOR: TBD

P-2 INTERIOR PAINT - LOW VOC
SPECIFICATION: 09 91 23
MFR:
FINISH: SEMI-GLOSS
COLOR: TBD

P-3 INTERIOR PAINT METAL COATING - LOW VOC
STANDARD PERFORMANCE ON SHOP PRIMED METAL
SPECIFICATION: 09 91 23
MFR:
FINISH: SEMI-GLOSS (METAL COATING)
COLOR: TBD

P-4 INTERIOR PAINT METAL COATING - LOW VOC
PREMIUM PERFORMANCE ON SHOP PRIMED EXPOSED STRUCTURAL STEEL
SPECIFICATION: 09 91 23
MFR:
FINISH: SEMI-GLOSS (METAL COATING)
COLOR: TBD

TL-1 PORCELAIN WALL TILE:
SPECIFICATION: 09 30 00.A
MFR:
SERIES:
SIZE:
TRIM: BULLNOSE & OTHERS WHERE REQUIRED
COLOR: TBD

TL-2 PORCELAIN WALL TILE:
SPECIFICATION: 09 30 00.A
MFR:
SERIES:
SIZE:
TRIM: BULLNOSE & OTHERS WHERE REQUIRED
COLOR: TBD

TS-1 THICK PHENOLIC CORE LAMINATE PANELS
SPECIFICATION: 09 77 00
MFR:
TYPE:
FINISH:
PANEL SIZE: 4'-0" X 8'-0" X .12" THK.

SS-1 STAINLESS STEEL WALL BACKSPLASH
SPECIFICATION: 05 59 00.D
SEE SPECIFICATION

FRL-1 FIBER REINFORCED LAMINATE PANELS
SPECIFICATION: 09 77 10
MFR:
TYPE:
FINISH:
PANEL SIZE:

BASE

RB-1 RESILIENT BASE
SPECIFICATION: 09 65 00.C
MFR: TARKETT
STYLE: WALL BASE
COLOR:
HEIGHT:

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

CB-1 CONCRETE CURB
SPECIFICATION: 03 00 00.B
SEALED
SEE SPECIFICATION

CT-1 GLAZED CERAMIC TILE BASE
SPECIFICATION: 09 30 00.B
MFR: DALTILE
TYPE:
SIZE:
COLOR:

CEILING

GB-1 GYPSUM BOARD CEILING
SPECIFICATION: 09 29 00.A
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

SS-1 SIMULATED STONE COUNTERTOP
SPECIFICATION: 12 36 61
MFR: -
COLOR: -

SS-2 SIMULATED STONE COUNTERTOP
SPECIFICATION: 12 36 61
MFR: -
COLOR: -

SS-3 SIMULATED STONE COUNTERTOP
SPECIFICATION: 12 36 61
MFR: -
COLOR: -

CT-2 PLASTIC LAMINATE CLAD COUNTERTOP
SPECIFICATION: 12 36 23
MFR:
COLOR: TBD

HPL-1 CABINET FACE HIGH PRESSURE LAMINATE
SPECIFICATION: 12 36 61
MFR:
TYPE:
COLOR:
EDGE BANDING:

HPL-2 CABINET FACE HIGH PRESSURE LAMINATE
SPECIFICATION: 12 36 61
MFR:
TYPE:
COLOR:
EDGE BANDING

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

HPL-4 CABINET FACE HIGH PRESSURE LAMINATE
SPECIFICATION: 12 36 61
MFR:
TYPE:
COLOR:
EDGE BANDING

ML-1 MELAMINE INTERIOR CABINET FACE
MFR: TBD (BASED ON LEED)
FINISH: COMMERCIAL GRADE MELAMINE
COLOR: TBD

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS
217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	09/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

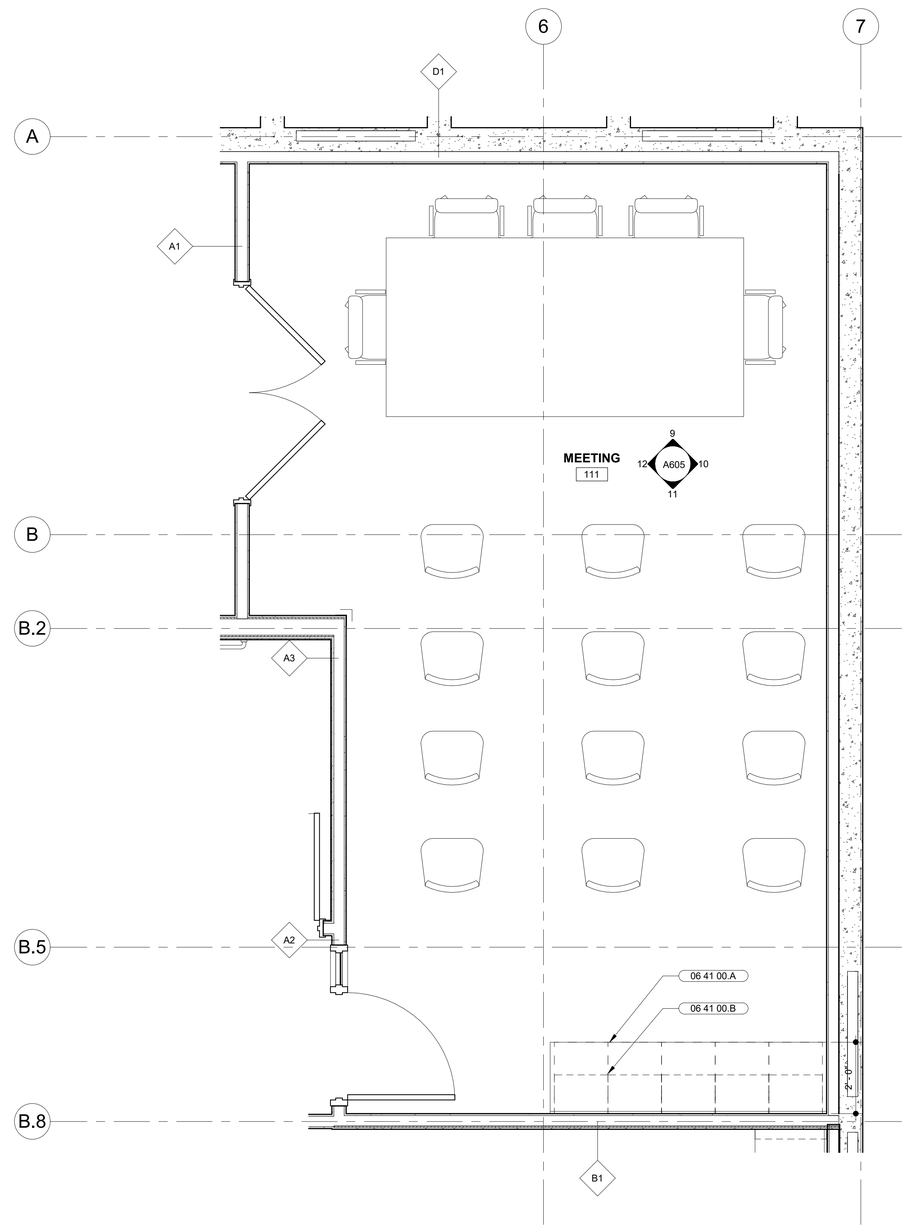
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
FINISH SCHEDULE

A503

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:40 PM



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

SHEET NOTES

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

2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.

3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.

4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAILS A9.XX.

5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX

6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.

7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503

8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.

KEYNOTES

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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

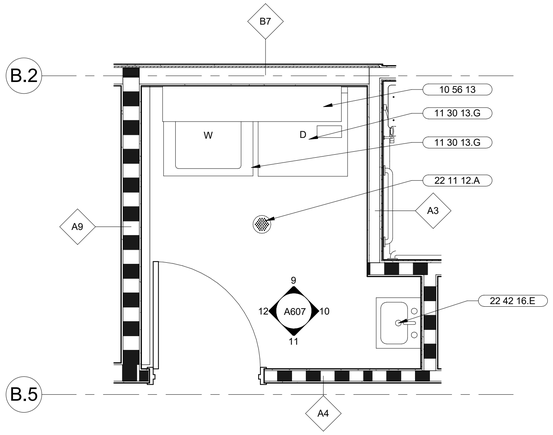
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED PLAN & INTERIOR ELEVATIONS

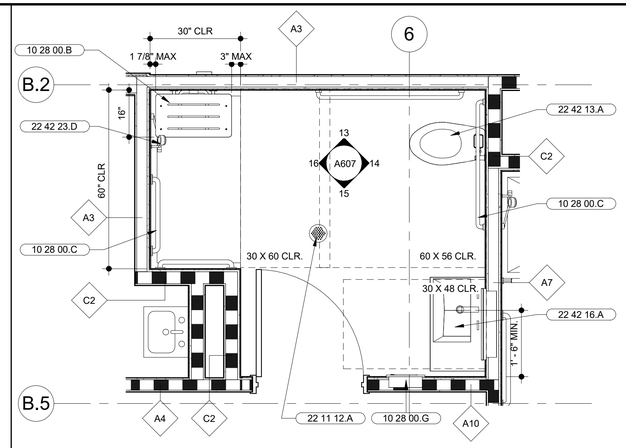
A601

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

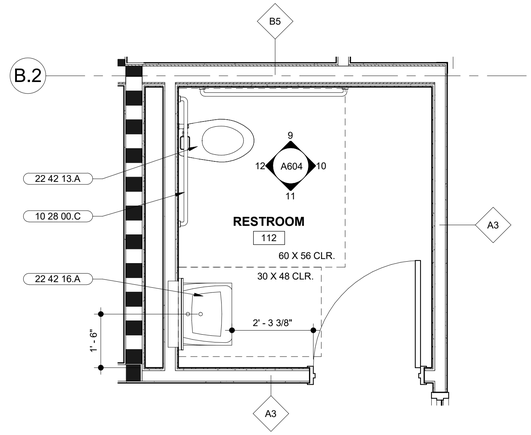
12/17/2021 4:05:40 PM



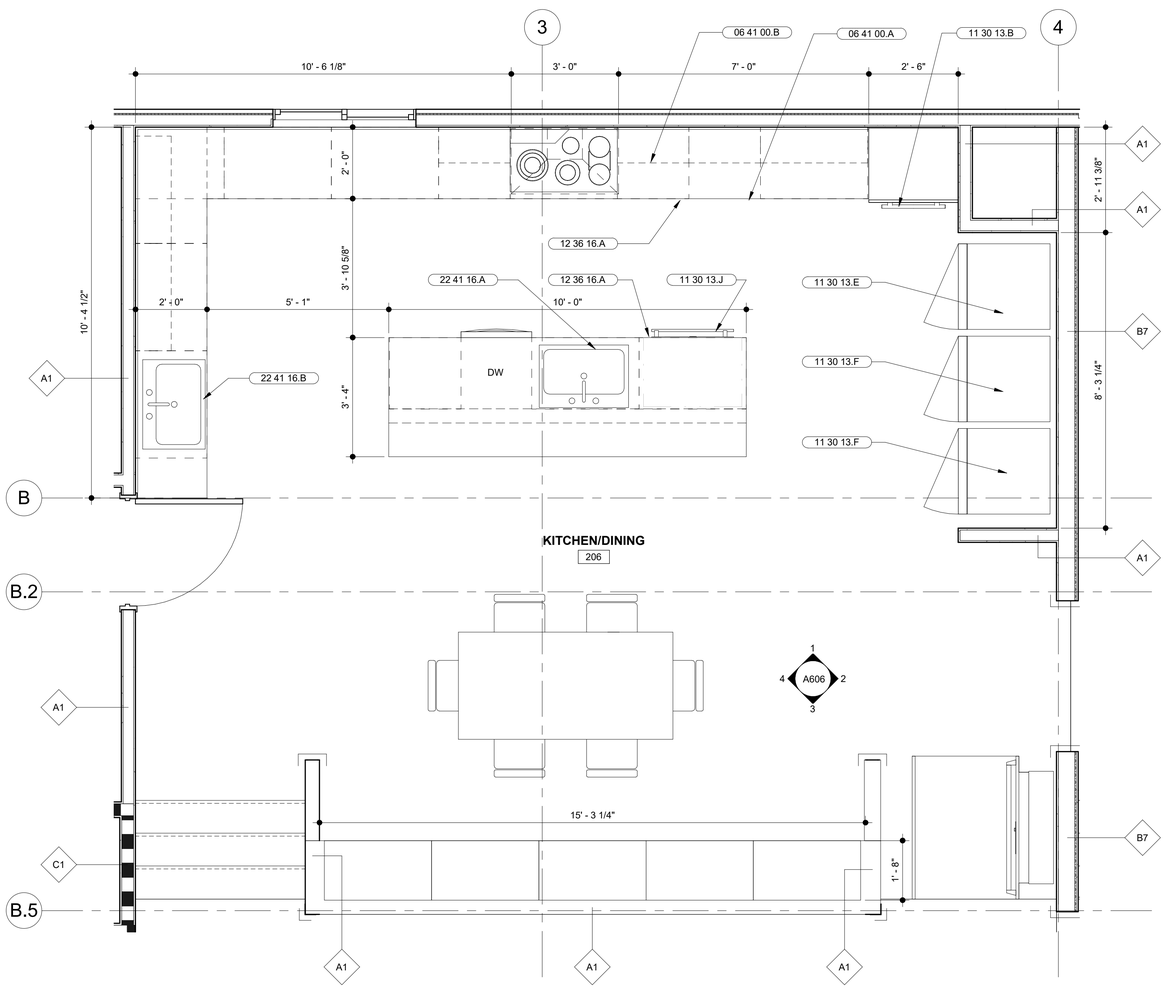
5 LAUNDRY 215 - ENLARGED FLOOR PLANS
SCALE: 1/2" = 1'-0"



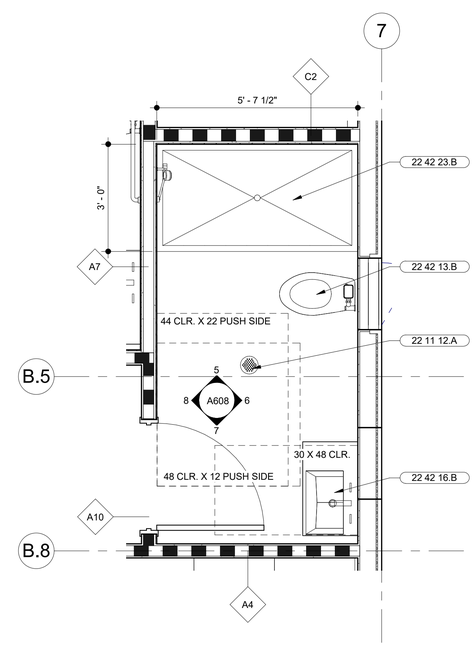
4 BATH 2-216 - ENLARGED FLOOR PLANS
SCALE: 1/2" = 1'-0"



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



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



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

SHEET NOTES

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

2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.

3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.

4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAILS A9.XX.

5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX

6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.

7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503

8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.

KEYNOTES

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

MARJANG
ARCHITECTURE

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

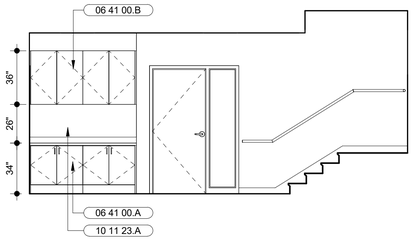
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED PLAN & INTERIOR ELEVATIONS

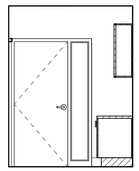
A602

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

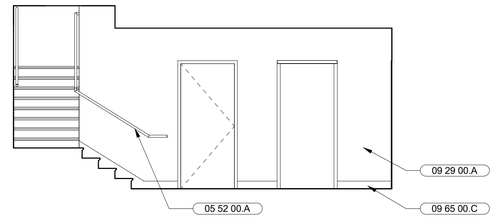
12/17/2021 4:05:42 PM



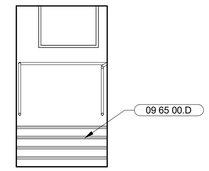
4 HALL 1 106 - NORTH
SCALE: 1/4" = 1'-0"



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



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



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

SHEET NOTES

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

2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.

3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.

4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAILS A9.XX.

5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX

6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.

7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503

8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.

KEYNOTES

05 52 00.A	METAL HANDRAIL
06 41 00.A	BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES
06 41 00.B	UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES
09 29 00.A	GYPSUM BOARD
09 65 00.C	RUBBER BASE, ACCESSORIES AND ATTACHMENTS
09 65 00.D	VINYL STAIR TREAD AND RISER
10 11 23.A	TACKBOARDS

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

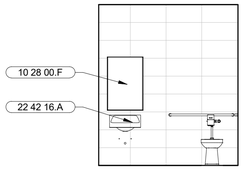
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED PLAN & INTERIOR ELEVATIONS

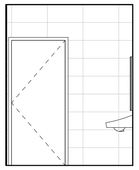
A603

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

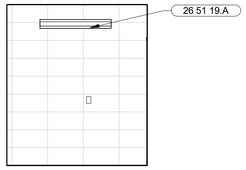
12/17/2021 4:05:42 PM



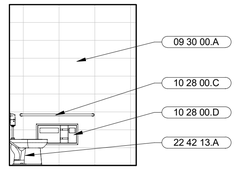
12 ADA RESTROOM 112 - NORTH
SCALE: 1/4" = 1'-0"



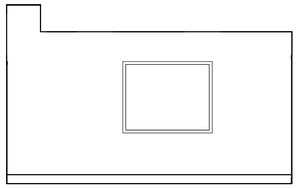
11 ADA RESTROOM 112 - WEST
SCALE: 1/4" = 1'-0"



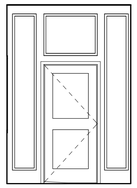
10 ADA RESTROOM 112 - SOUTH
SCALE: 1/4" = 1'-0"



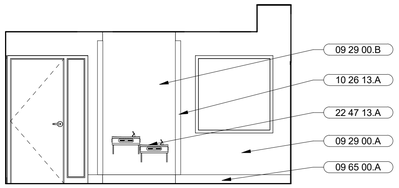
9 ADA RESTROOM 112 - EAST
SCALE: 1/4" = 1'-0"



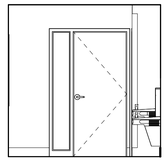
8 LOBBY 105 - NORTH
SCALE: 1/4" = 1'-0"



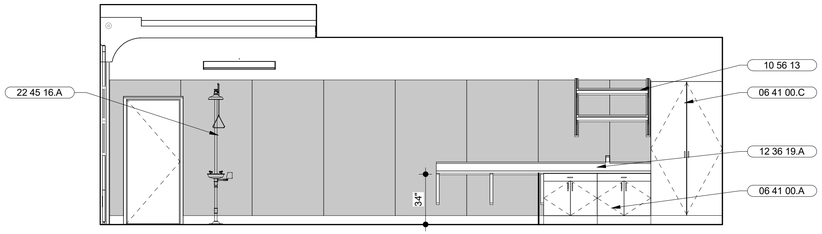
7 LOBBY 105 - WEST
SCALE: 1/4" = 1'-0"



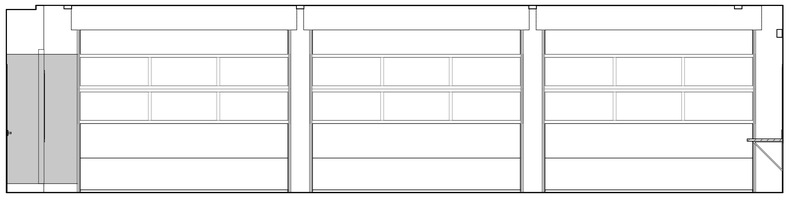
6 LOBBY 105 - SOUTH
SCALE: 1/4" = 1'-0"



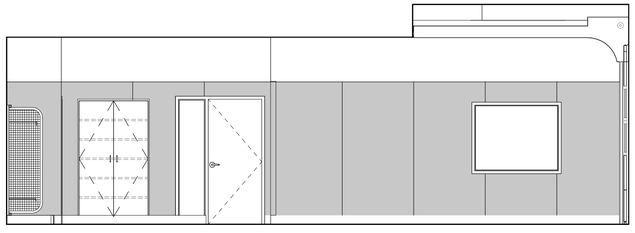
5 LOBBY 105 - EAST
SCALE: 1/4" = 1'-0"



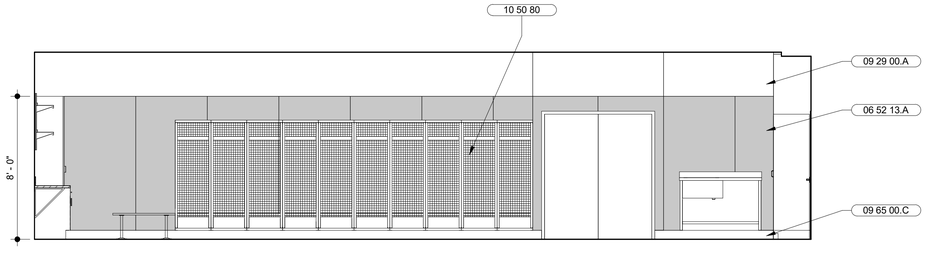
4 APPARATUS BAY 104 - NORTH
SCALE: 1/4" = 1'-0"



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



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



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

SHEET NOTES

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

2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.

3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.

4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAILS A9.XX.

5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX

6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.

7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503

8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.

KEYNOTES

06 41 00.A	BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES
06 41 00.C	FULL HEIGHT CABINETS, LOCKABLE DOORS AND ADJUSTABLE SHELVES
06 52 13.A	FRP WALL PANELS
09 29 00.A	GYPSUM BOARD
09 29 00.B	MOISTURE RESISTANT GYPSUM BOARD
09 30 00.A	WALL TILE
09 65 00.A	VINYL COMPOSITION TILE (ANTI-STATIC)
09 65 00.C	RUBBER BASE, ACCESSORIES AND ATTACHMENTS
10 26 13.A	STAINLESS STEEL CORNER GUARD
10 28 00.C	ADA GRAB BARS
10 28 00.D	TOILET PAPER AND SEAT COVER DISPENSER, WASTE DISPOSAL COMBO
10 28 00.F	WALL MIRROR
10 50 80	TURNOUT GEAR LOCKERS
10 56 13	CANTILEVER METAL STORAGE SHELVES
12 36 19.A	BUTCHER BLOCK COUNTERTOPS
22 42 13.A	ADA TOILET FLOOR MOUNT, SEE PLUMBING DRAWINGS
22 42 16.A	ADA LAVATORY WALL MOUNTED, SEE PLUMBING DRAWINGS
22 45 16.A	SAFETY SHOWER AND EYEWASH, SEE PLUMBING DRAWINGS
22 47 13.A	HI-LO DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS
26 51 19.A	WALL MOUNTED LED LIGHT FIXTURE

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

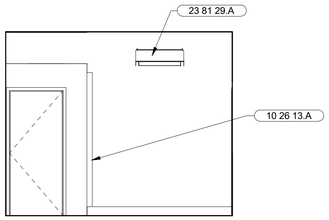
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED PLAN & INTERIOR ELEVATIONS

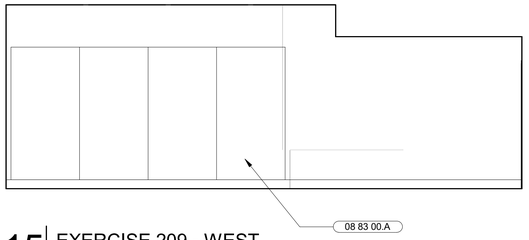
A604

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

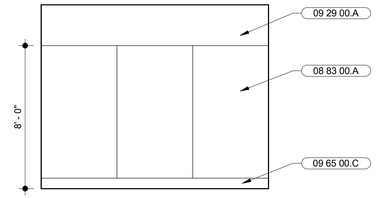
12/17/2021 4:05:46 PM



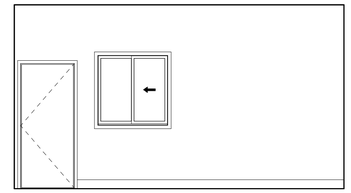
16 EXERCISE 209 - NORTH
SCALE: 1/4" = 1'-0"



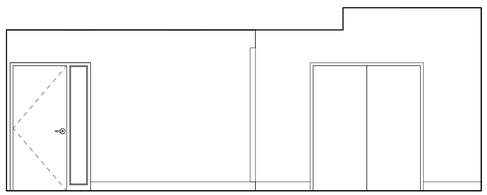
15 EXERCISE 209 - WEST
SCALE: 1/4" = 1'-0"



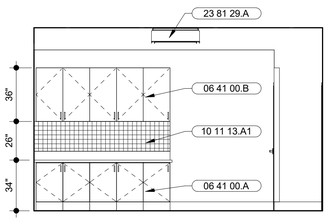
14 EXERCISE 209 - SOUTH
SCALE: 1/4" = 1'-0"



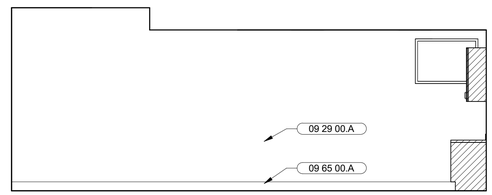
13 EXERCISE 209 - EAST
SCALE: 1/4" = 1'-0"



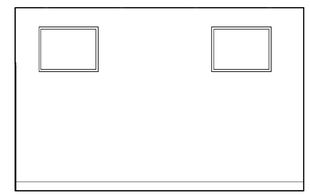
12 MEETING/E.O.C. 111 - NORTH
SCALE: 1/4" = 1'-0"



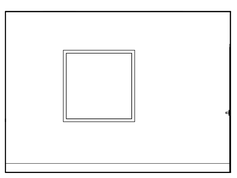
11 MEETING 111 - WEST
SCALE: 1/4" = 1'-0"



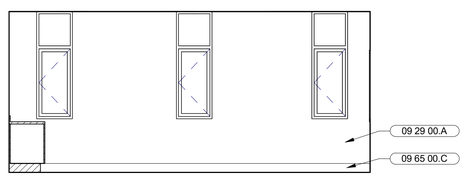
10 MEETING 111 - SOUTH
SCALE: 1/4" = 1'-0"



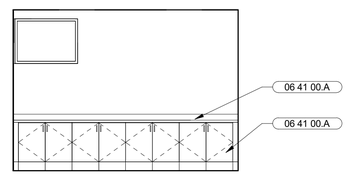
9 MEETING 111 - EAST
SCALE: 1/4" = 1'-0"



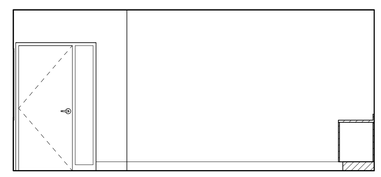
8 ADMINISTRATION 110 - NORTH
SCALE: 1/4" = 1'-0"



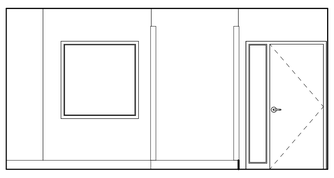
7 ADMINISTRATION 110 - WEST
SCALE: 1/4" = 1'-0"



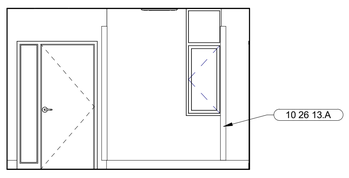
6 ADMINISTRATION 110 - SOUTH
SCALE: 1/4" = 1'-0"



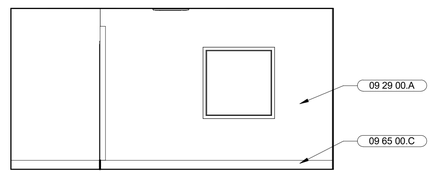
5 ADMINISTRATION 110 - EAST
SCALE: 1/4" = 1'-0"



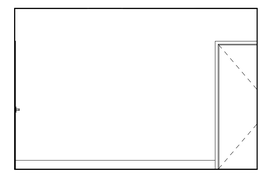
4 STAFF 107 - NORTH
SCALE: 1/4" = 1'-0"



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



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



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

SHEET NOTES

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

2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.

3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.

4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAILS A9.XX.

5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX

6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.

7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503

8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.

KEYNOTES

06 41 00.A	BASE CABINETS, DOORS, DRAWERS, AND ADJUSTABLE SHELVES
06 41 00.B	UPPER CABINETS, DOORS, AND ADJUSTABLE SHELVES
08 83 00.A	WALL MIRROR
09 29 00.A	GYPSUM BOARD
09 65 00.A	VINYL COMPOSITION TILE (ANTI-STATIC)
09 65 00.C	RUBBER BASE, ACCESSORIES AND ATTACHMENTS
10 11 13.A1	Chalkboard
10 26 13.A	STAINLESS STEEL CORNER GUARD
23 81 29.A	VRF INDOOR WALL MOUNTED UNIT

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

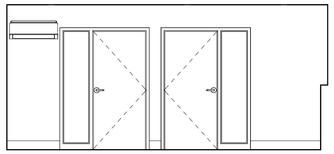
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED PLAN & INTERIOR ELEVATIONS

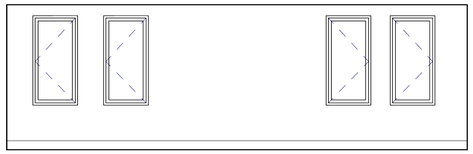
A605

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

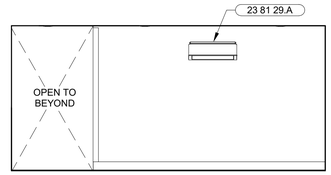
12/17/2021 4:05:47 PM



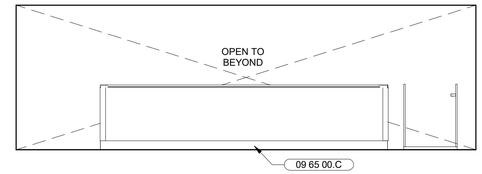
10 DAYROOM 207 - NORTH
SCALE: 1/4" = 1'-0"



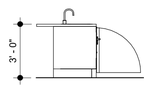
11 DAYROOM 207 - WEST
SCALE: 1/4" = 1'-0"



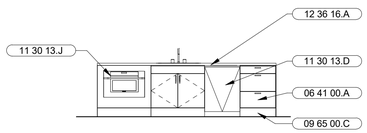
12 DAYROOM 207 - SOUTH
SCALE: 1/4" = 1'-0"



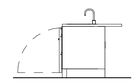
9 DAYROOM 207 - EAST
SCALE: 1/4" = 1'-0"



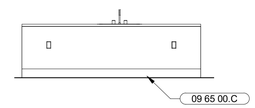
8 KITCHEN/DINING 206 - ISLAND NORTH
SCALE: 1/4" = 1'-0"



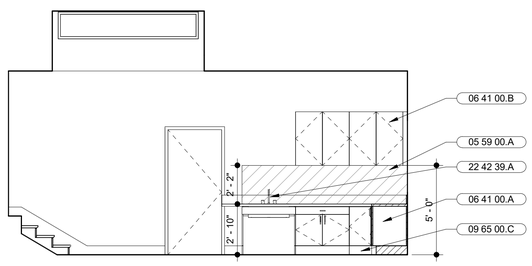
7 KITCHEN/DINING 206 - ISLAND WEST
SCALE: 1/4" = 1'-0"



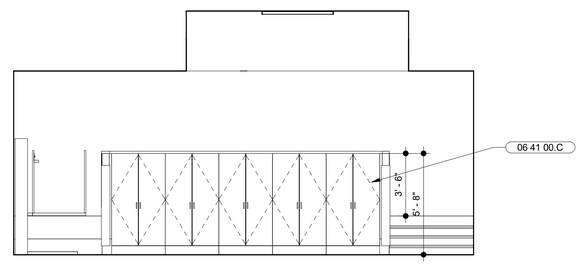
6 KITCHEN/DINING 206 - ISLAND SOUTH
SCALE: 1/4" = 1'-0"



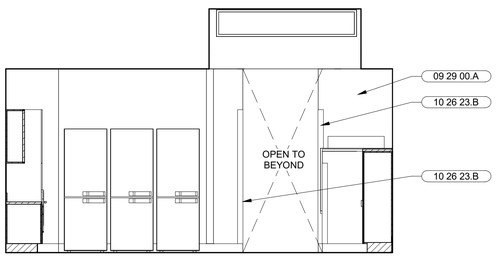
5 KITCHEN/DINING 206 - ISLAND EAST
SCALE: 1/4" = 1'-0"



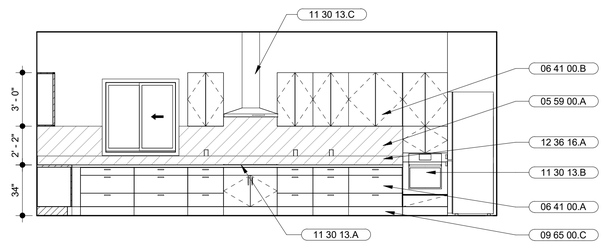
4 KITCHEN/DINING 206 - NORTH
SCALE: 1/4" = 1'-0"



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



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



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

SHEET NOTES

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

2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.

3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.

4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAILS A9.XX.

5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX

6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.

7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503

8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.

KEYNOTES

05 59 00.A	STAINLESS STEEL COUNTERTOPS
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
09 29 00.A	GYPSUM BOARD
09 65 00.C	RUBBER BASE, ACCESSORIES AND ATTACHMENTS
10 26 23.B	STAINLESS STEEL WALL CAP
11 30 13.A	GAS COOKTOP
11 30 13.B	WALL OVEN
11 30 13.C	EXHAUST HOOD OVER COOKTOP
11 30 13.D	DISHWASHER
11 30 13.J	MICROWAVE
12 36 16.A	METAL COUNTERTOPS
22 42 39.A	KITCHEN FAUCET, SEE PLUMBING DRAWINGS
23 81 29.A	VRF INDOOR WALL MOUNTED UNIT

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

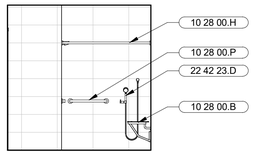
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED PLAN & INTERIOR ELEVATIONS

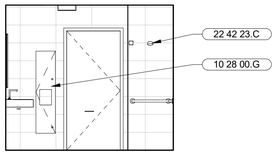
A606

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

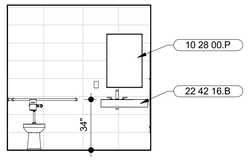
12/17/2021 4:05:49 PM



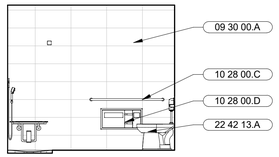
16 ADA BATH 2 216 - NORTH
SCALE: 1/4" = 1'-0"



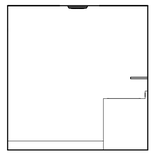
15 ADA BATH 2 216 - WEST
SCALE: 1/4" = 1'-0"



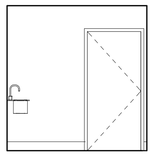
14 ADA BATH 2 216 - SOUTH
SCALE: 1/4" = 1'-0"



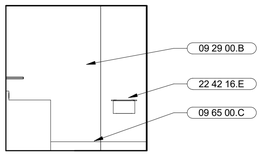
13 ADA BATH 2 216 - EAST
SCALE: 1/4" = 1'-0"



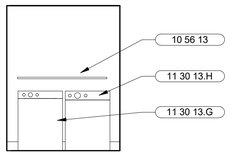
12 LAUNDRY 215 - NORTH
SCALE: 1/4" = 1'-0"



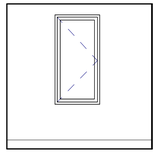
11 LAUNDRY 215 - WEST
SCALE: 1/4" = 1'-0"



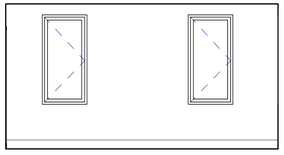
10 LAUNDRY 215 - SOUTH
SCALE: 1/4" = 1'-0"



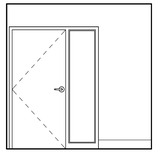
9 LAUNDRY 215 - EAST
SCALE: 1/4" = 1'-0"



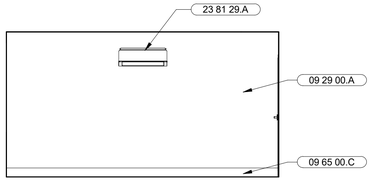
8 CAPTAINS OFFICE 205 - NORTH
SCALE: 1/4" = 1'-0"



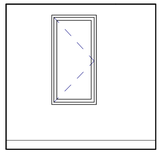
7 CAPTAINS OFFICE 205 - WEST
SCALE: 1/4" = 1'-0"



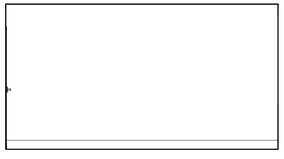
6 CAPTAINS OFFICE 205 - SOUTH
SCALE: 1/4" = 1'-0"



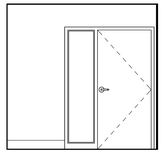
5 CAPTAINS OFFICE 205 - EAST
SCALE: 1/4" = 1'-0"



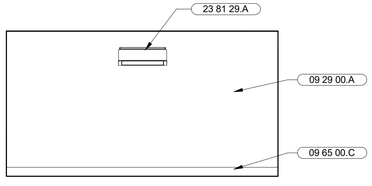
4 OFFICE 1 204 - NORTH
SCALE: 1/4" = 1'-0"



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



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



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

SHEET NOTES

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

2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.

3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.

4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAILS A9.XX.

5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX

6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.

7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503

8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.

KEYNOTES

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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

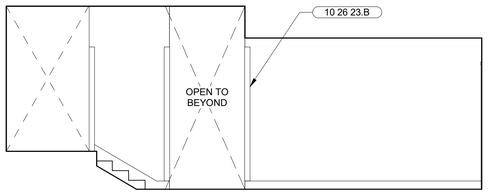
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED PLAN & INTERIOR ELEVATIONS

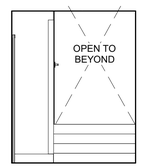
A607

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

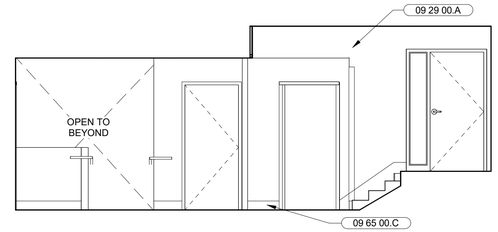
12/17/2021 4:05:51 PM



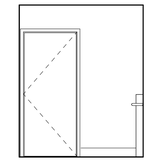
16 HALL 2 208 - NORTH
SCALE: 1/4" = 1'-0"



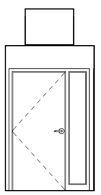
15 HALL 2 208 - WEST
SCALE: 1/4" = 1'-0"



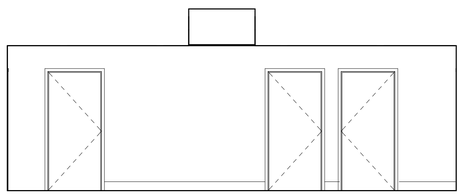
14 HALL 2 208 - SOUTH
SCALE: 1/4" = 1'-0"



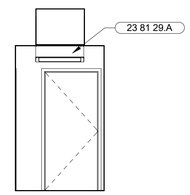
13 HALL 2 208 - EAST
SCALE: 1/4" = 1'-0"



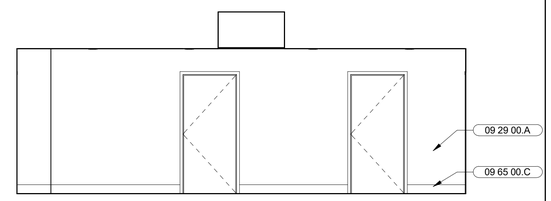
12 HALL 3 211 - NORTH
SCALE: 1/4" = 1'-0"



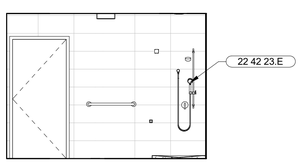
11 HALL 3 211 - WEST
SCALE: 1/4" = 1'-0"



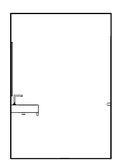
10 HALL 3 211 - SOUTH
SCALE: 1/4" = 1'-0"



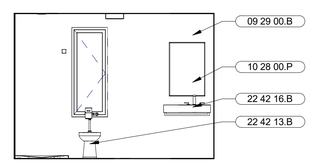
9 HALL 3 211 - EAST
SCALE: 1/4" = 1'-0"



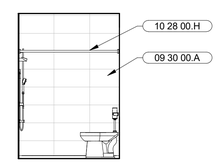
8 LAUNDRY 217 - NORTH
SCALE: 1/4" = 1'-0"



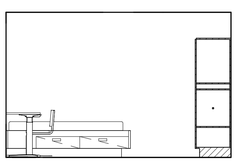
7 LAUNDRY 217 - WEST
SCALE: 1/4" = 1'-0"



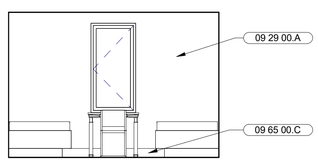
6 LAUNDRY 217 - SOUTH
SCALE: 1/4" = 1'-0"



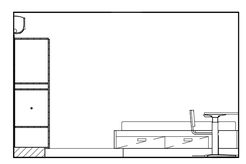
5 LAUNDRY 217 - EAST
SCALE: 1/4" = 1'-0"



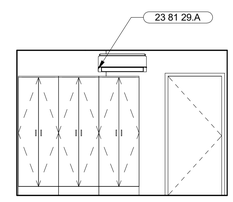
4 DORM 1 212 - NORTH
SCALE: 1/4" = 1'-0"



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



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



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

SHEET NOTES

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

2. ALL SINKS AND COUNTERS MUST MEET THE ACCESSIBILITY REQUIREMENTS OF THE 2019 CBC CHAPTER 11B AS DETERMINED BY THE AUTHORITY HAVING JURISDICTION.

3. FOR ACCESSIBLE TOILET ACCESSORIES, TOILET MOUNTING, WATER CLOSET CLEARANCES, AND SHOWER CLEARANCES, SEE A012.

4. PROVIDE BACKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, CABINETS AND ACCESSORIES. SEE BACKING DETAILS A9.XX.

5. REFER TO APPLIANCE SCHEDULE FOR APPLIANCES, SEE A7XX

6. CONTRACTOR TO VERIFY DIMENSIONS OF APPLIANCES, FIXTURES, AND EQUIPMENT PRIOR TO CASEWORK FABRICATION. TYPICAL.

7. REFER TO FINISH SCHEDULE FOR FINISH MATERIALS, SEE A503

8. VERIFY TILE LAYOUT AND JOINTS WITH ARCHITECT PRIOR TO INSTALLATION.

KEYNOTES

09 29 00.A	GYPSUM BOARD
09 29 00.B	MOISTURE RESISTANT GYPSUM BOARD
09 30 00.A	WALL TILE
09 65 00.C	RUBBER BASE, ACCESSORIES AND ATTACHMENTS
10 26 23.B	STAINLESS STEEL WALL CAP
10 28 00.H	SHOWER ROD
10 28 00.P	RECESSED MEDICINE CABINET
22 42 13.B	TOILET FLOOR MOUNT, SEE PLUMBING DRAWINGS
22 42 16.B	LAVATORY WALL MOUNTED, SEE PLUMBING DRAWINGS
22 42 23.E	HANDHELD SHOWER, SEE PLUMBING DRAWINGS
23 81 29.A	VRF INDOOR WALL MOUNTED UNIT

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

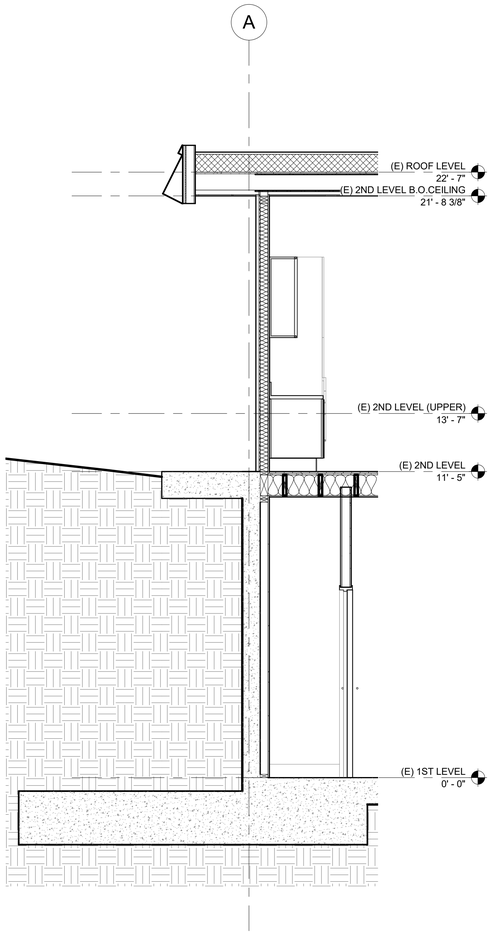
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED PLAN & INTERIOR ELEVATIONS

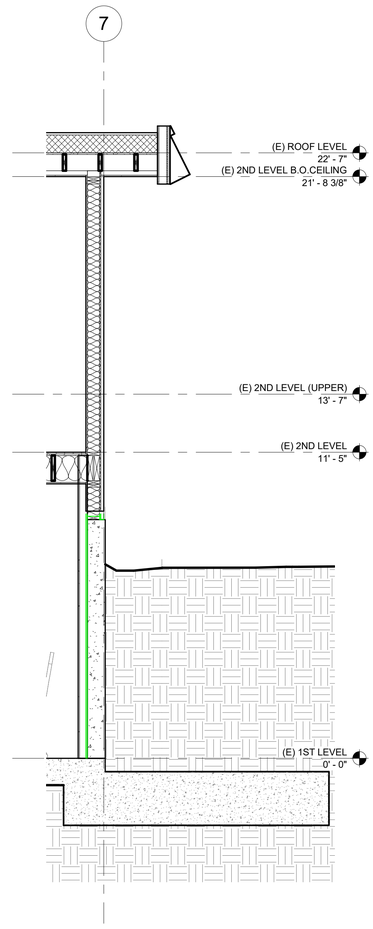
A608

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

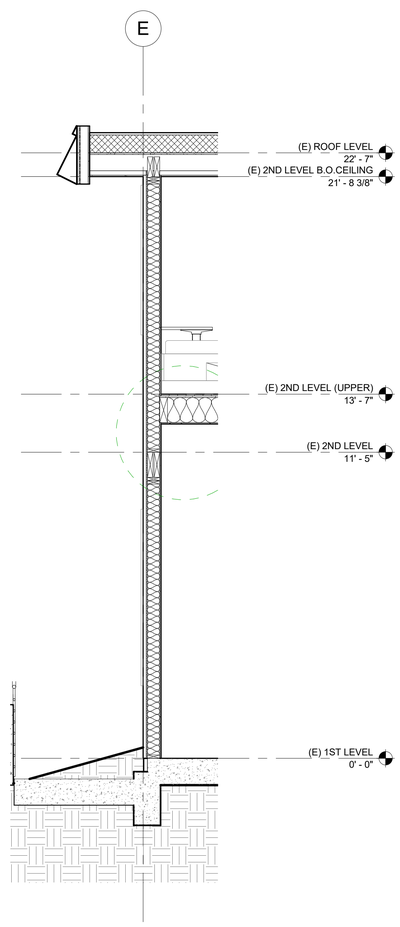
12/17/2021 4:05:54 PM



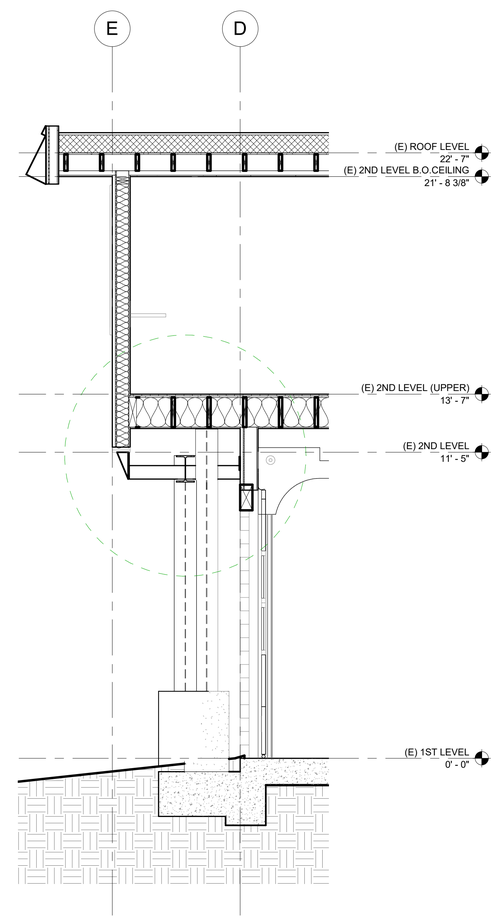
4 WALL SECTION 4
SCALE: 3/8" = 1'-0"



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



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



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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

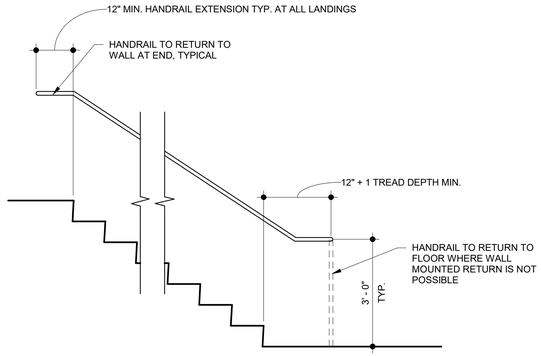
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
WALL SECTIONS

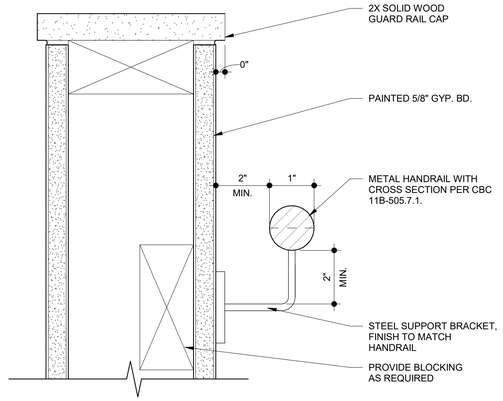
A701

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

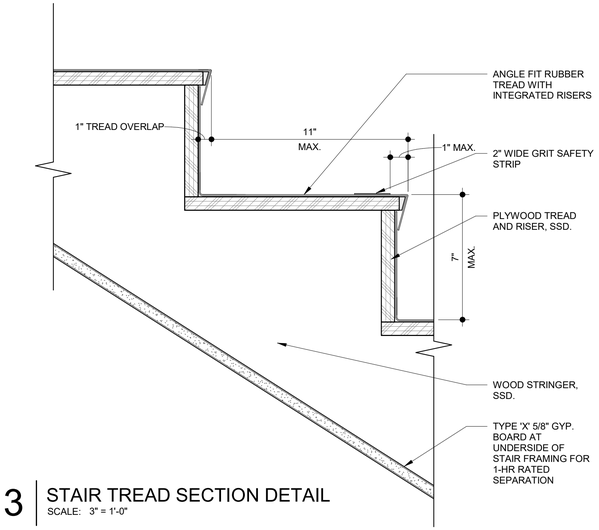
12/17/2021 4:05:54 PM



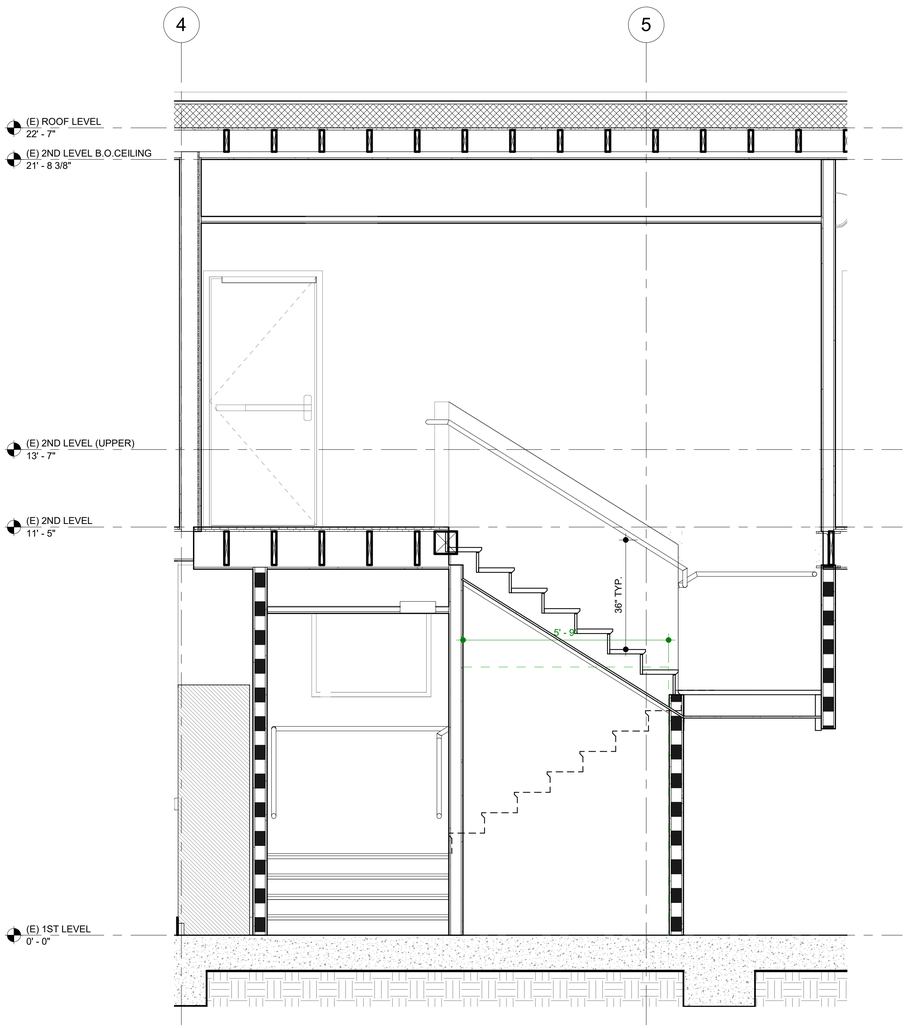
6 TYPICAL HANDRAIL ELEVATION
SCALE: 1/2" = 1'-0"



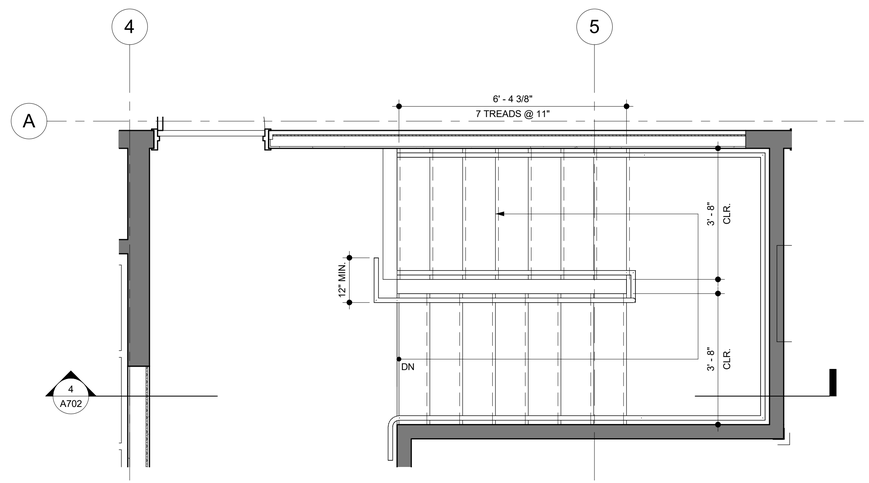
5 STAIR GUARDRAIL/HANDRAIL SECTION DETAIL
SCALE: 6" = 1'-0"



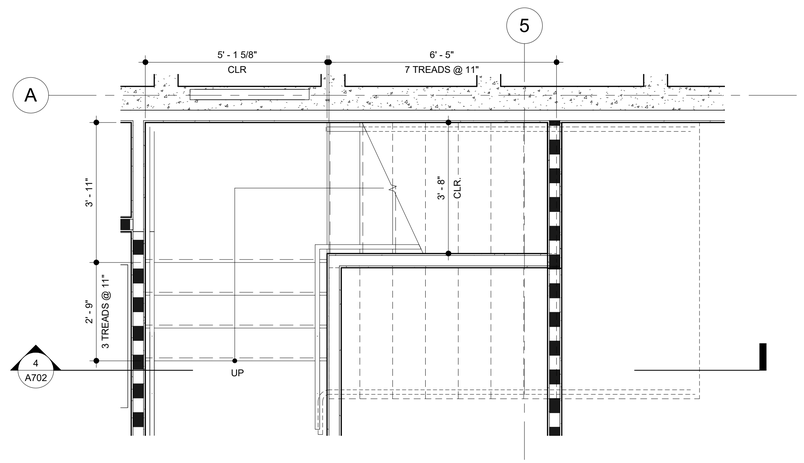
3 STAIR TREAD SECTION DETAIL
SCALE: 3" = 1'-0"



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



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



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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

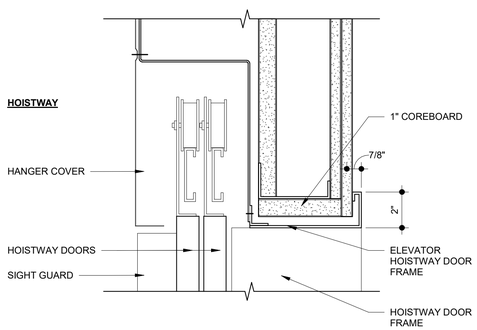
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED STAIR PLAN, SECTION & DETAILS

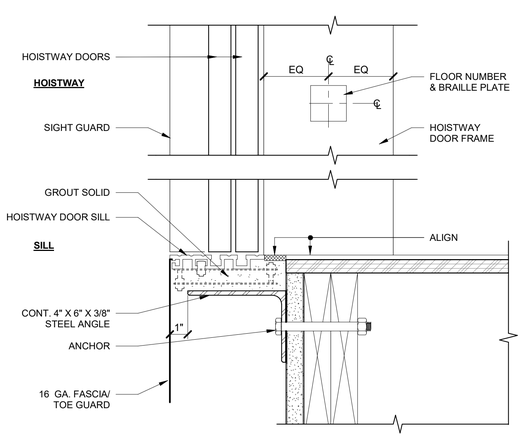
A702

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

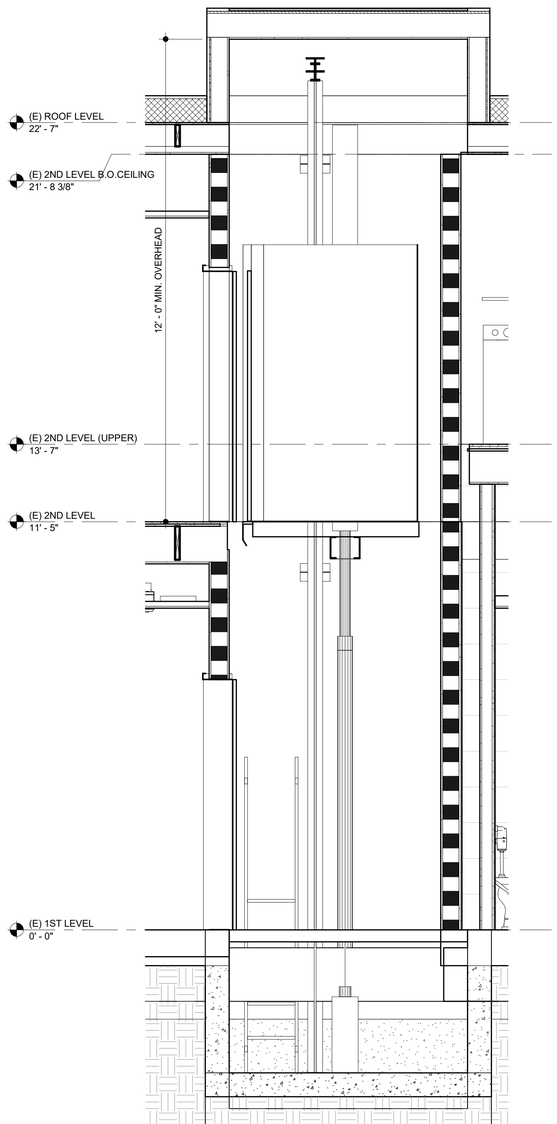
12/17/2021 4:05:55 PM



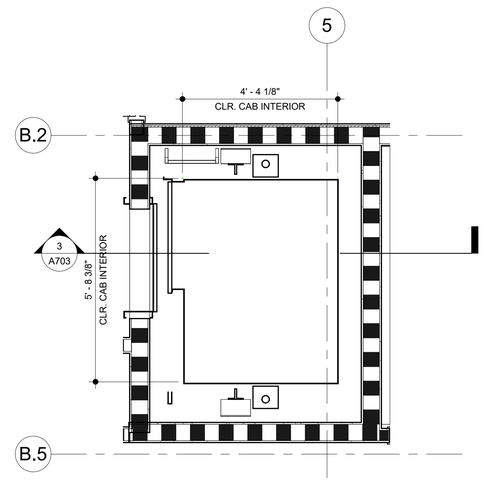
5 ELEVATOR HEAD DETAIL
SCALE: 3" = 1'-0"



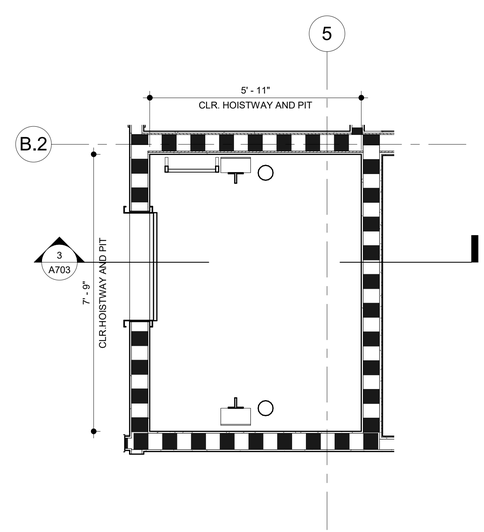
4 ELEVATOR SILL DETAIL
SCALE: 3" = 1'-0"



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



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



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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS
217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

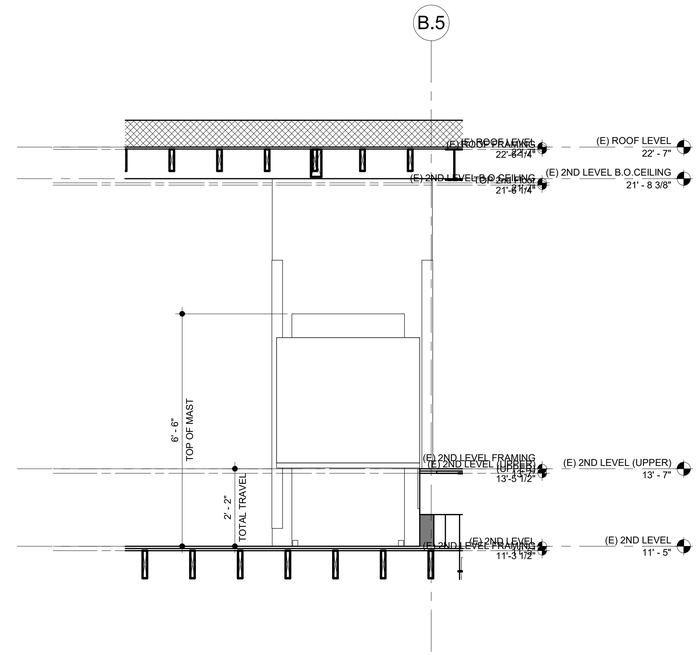
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED ELEVATOR PLAN, SECTION & DETAILS

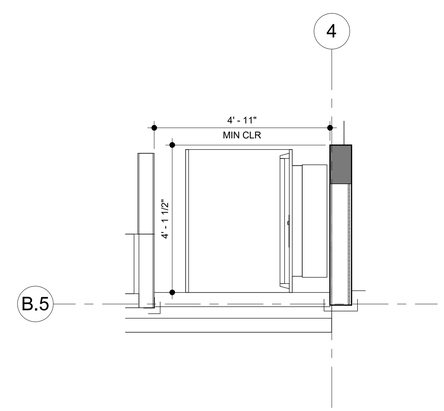
A703

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:56 PM



3 MULTILIFT SECTION
SCALE: 1/2" = 1'-0"



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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
4	100% DESIGN DEVELOPMENT	12/17/2021

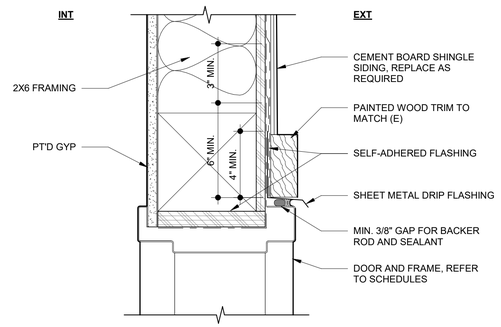
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
ENLARGED WHEELCHAIR LIFT PLAN SECTION, & DETAILS

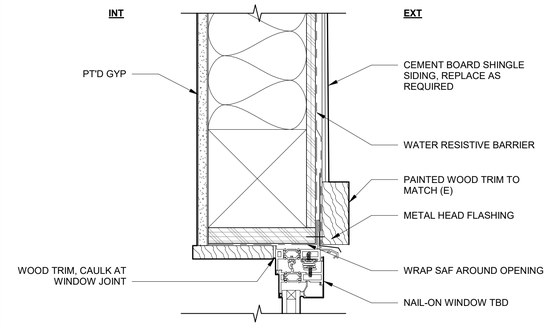
A704

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CY7Z.rvt

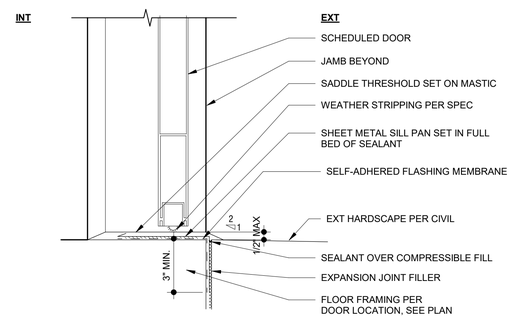
12/17/2021 4:05:57 PM



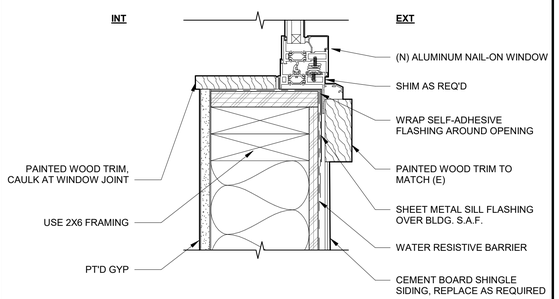
6 EXTERIOR DOOR HEAD DETAIL
SCALE: 3" = 1'-0"



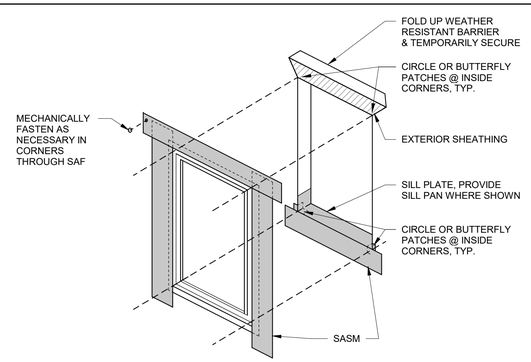
3 EXTERIOR WINDOW HEAD DETAIL
SCALE: 3" = 1'-0"



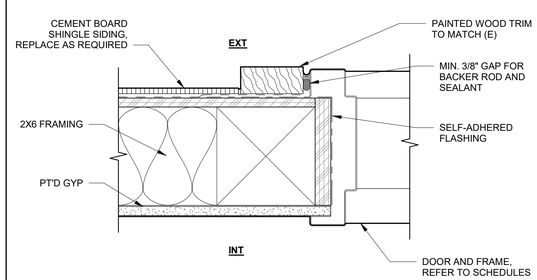
5 EXTERIOR DOOR THRESHOLD DETAIL
SCALE: 3" = 1'-0"



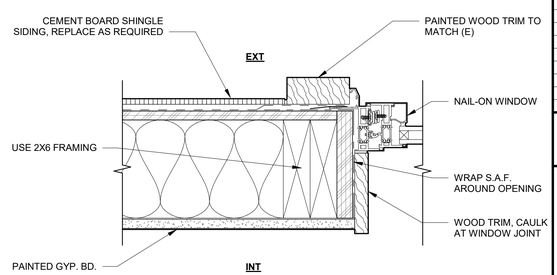
2 EXTERIOR WINDOW SILL DETAIL
SCALE: 3" = 1'-0"



9 WINDOW/DOOR SAF DETAIL
SCALE: 3" = 1'-0"



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



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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS
217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
4	100% DESIGN DEVELOPMENT	12/17/2021

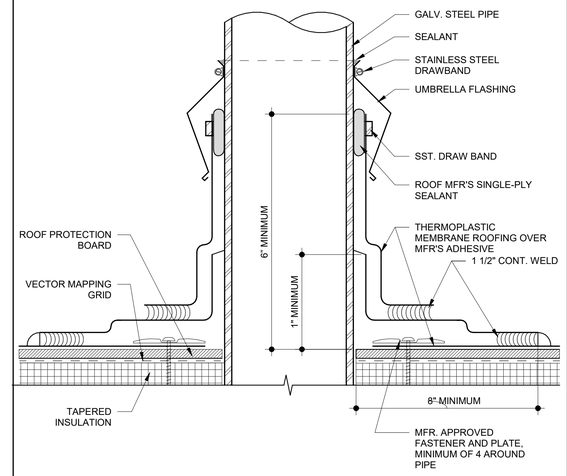
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
EXTERIOR DETAILS

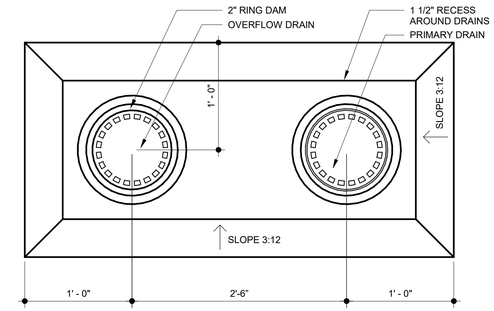
A801

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

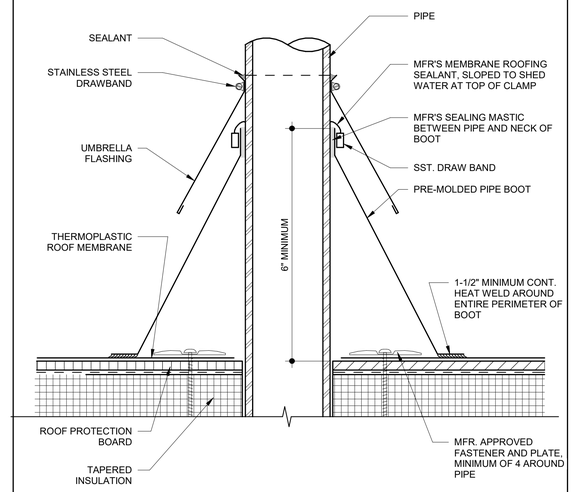
12/17/2021 4:05:57 PM



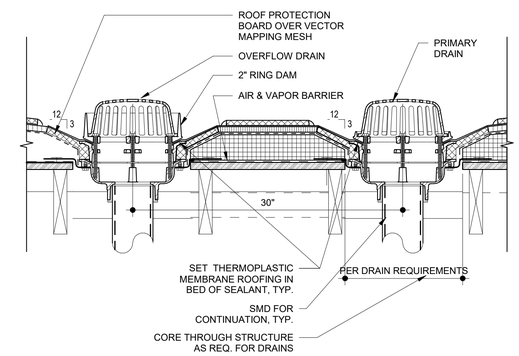
6 TPO PIPE PENETRATION GREATER THAN 8" DIA
SCALE: 3" = 1'-0"



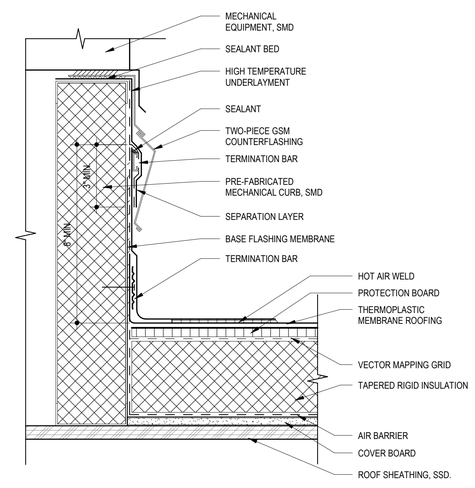
3 ROOF MEMBRANE AT DRAIN AND OVERFLOW - PLAN
SCALE: 1 1/2" = 1'-0"



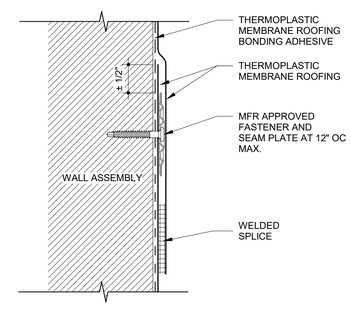
5 TPO PIPE PENETRATION LESS THAN 8" DIA
SCALE: 3" = 1'-0"



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



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



1 TPO MEMBRANE ROOF VERTICAL SEAM
SCALE: 3" = 1'-0"

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS
217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
4	100% DESIGN DEVELOPMENT	12/17/2021

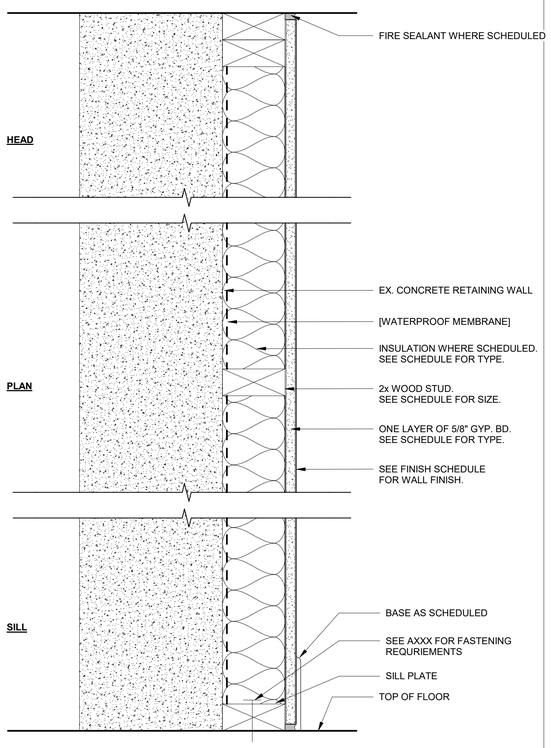
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
ROOF DETAILS

A802

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:05:58 PM

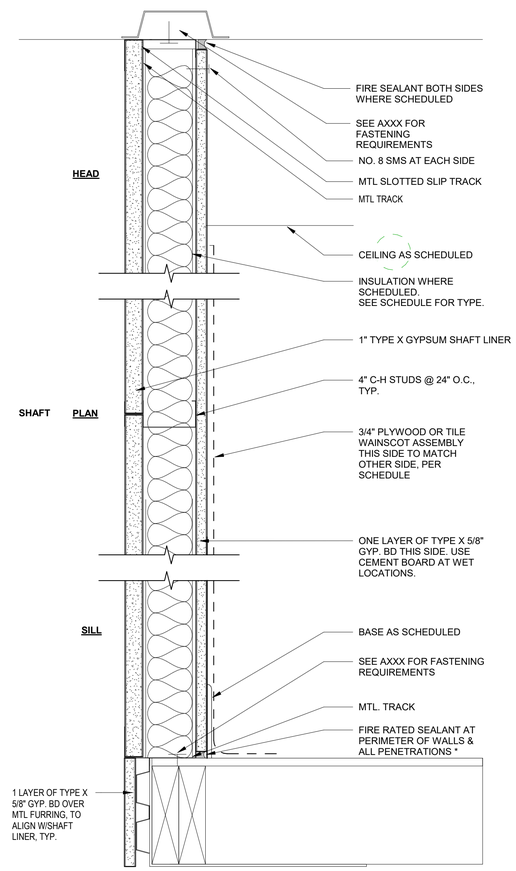


4 WALL TYPE D

SCALE: 3" = 1'-0"

WALL TYPE	STUD SIZE	WIDTH	RATING	INSULATION	STC	UL#	GA FILE #	COMMENTS
D1		0' - 4 1/8"						

NOTE:
1. TILE ON (1) SIDE
2. TILE ON (2) SIDES
3. 1/2" PLYWOOD SHEATHING ON (1) SIDE
4. 1/2" PLYWOOD SHEATHING ON (2) SIDES

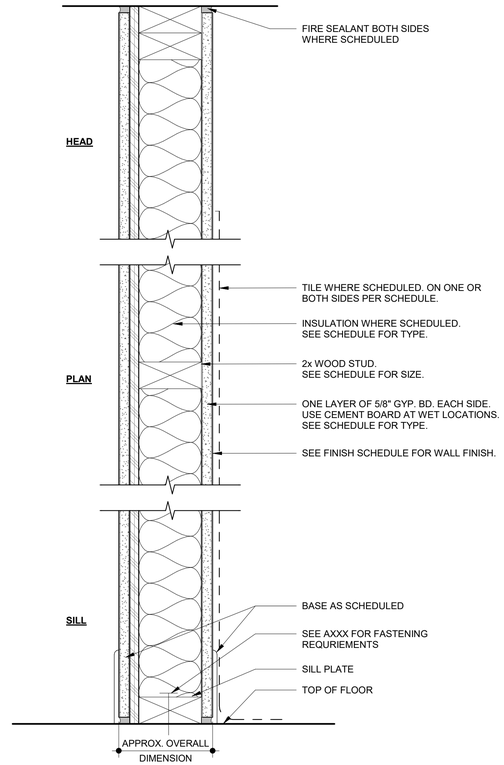


3 WALL TYPE C

SCALE: 3" = 1'-0"

WALL TYPE	STUD SIZE	WIDTH	RATING	INSULATION	STC	UL#	GA FILE #	COMMENTS
C1	0' - 6"	0' - 5 1/4"	1-HR	ACOUSTIC	Y			
C2	0' - 6"	0' - 5 5/8"	1-HR	ACOUSTIC	Y			

NOTE:
1. TILE ON (1) SIDE
2. TILE ON (2) SIDES
3. 1/2" PLYWOOD SHEATHING ON (1) SIDE
4. 1/2" PLYWOOD SHEATHING ON (2) SIDES



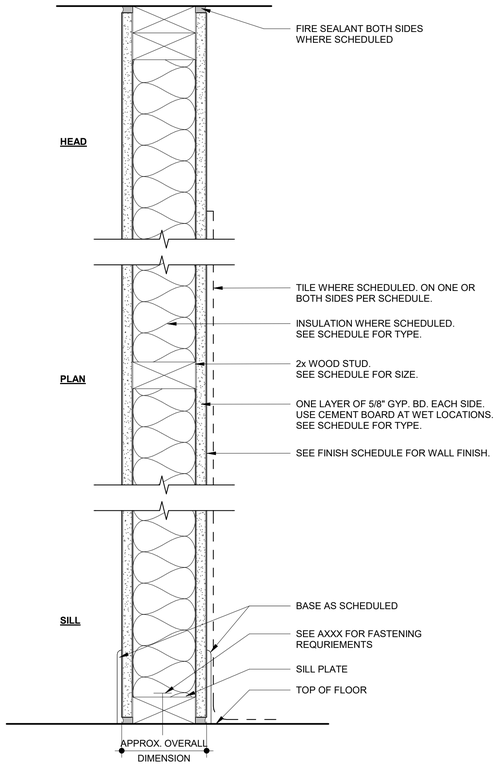
2 WALL TYPE B

SCALE: 3" = 1'-0"

WALL TYPE	STUD SIZE	WIDTH	RATING	UL#	INSULATION	STC	GA FILE #	COMMENTS
B1	0' - 4"	0' - 5 1/4"			ACOUSTIC	Y		NOTE 3
B2		0' - 7 1/4"	1-HR		ACOUSTIC	Y		NOTE 3
B3		0' - 7 5/8"						
B4	0' - 6"	0' - 7 3/4"	1-HR		ACOUSTIC	Y		NOTE 4
B5	0' - 6"	0' - 8 1/8"			ACOUSTIC	Y		NOTE 1, NOTE 4
B7		0' - 7 1/4"			ACOUSTIC	Y		

NOTE:
1. TILE ON (1) SIDE
2. TILE ON (2) SIDES
3. 1/2" PLYWOOD SHEATHING ON (1) SIDE
4. 1/2" PLYWOOD SHEATHING ON (2) SIDES

NOTE:
A. FOR ALL WALL TYPE LOCATIONS, SEE SHEET A2.02 AND A2.04.
B. SEE STRUCTURAL DRAWINGS FOR WOOD STUD WALL FRAMING, CONNECTIONS AND DETAILING.
C. SEE STRUCTURAL DRAWINGS FOR EXTERIOR AND INTERIOR SHEAR WALLS.
D. FOR BACKING PLATE TYPES, SEE DETAILS ON SHEET A9.01
E. FOR CONNECTIONS TO DECKS, ROOFING, SEE DETAILS ON SHEET A9.01
F. PER CBC 1207, SOUND TRANSMISSION RATINGS FOR ALL WALL ASSEMBLIES SHALL BE GREATER THAN STC 50 WHEN BETWEEN DWELLING SPACE AND A PUBLIC OR OTHER OCCUPANCY.



1 WALL TYPE A

SCALE: 3" = 1'-0"

WALL TYPE	STUD SIZE	WIDTH	RATING	UL#	INSULATION	STC	GA FILE #	COMMENTS
A1		0' - 4 3/4"						
A2	0' - 4"	0' - 4 3/4"			ACOUSTIC	Y		
A3		0' - 5 1/8"			ACOUSTIC	Y		
A4	0' - 4"	0' - 4 3/4"	1-HR		ACOUSTIC	Y		
A5	0' - 6"	0' - 7 1/8"	1-HR		ACOUSTIC	Y		NOTE 1
A6	0' - 4"	0' - 4 3/4"	1/2-HR		ACOUSTIC	54		
A7	0' - 4"	0' - 5 1/2"			ACOUSTIC	Y		NOTE 1
A8	0' - 6"	0' - 6 3/4"						
A9	0' - 6"	0' - 6 3/4"	1-HR		ACOUSTIC	Y		
A10	0' - 4"	0' - 5 1/8"	1-HR		ACOUSTIC	Y		

NOTE:
1. TILE ON (1) SIDE
2. TILE ON (2) SIDES
3. 1/2" PLYWOOD SHEATHING ON (1) SIDE
4. 1/2" PLYWOOD SHEATHING ON (2) SIDES

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

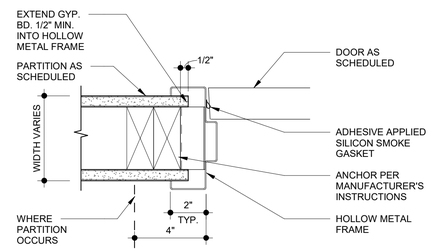
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
INTERIOR DETAILS

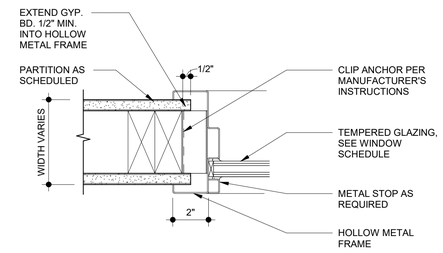
A901

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

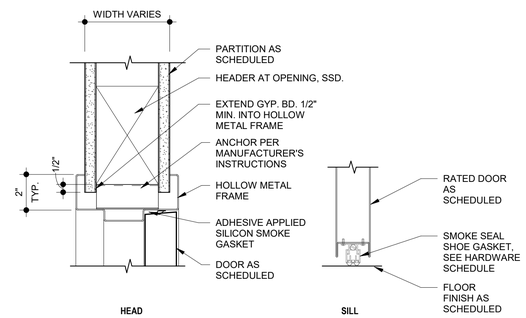
12/17/2021 4:05:58 PM



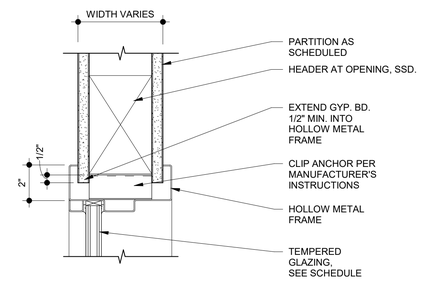
8 RATED HOLLOW METAL DOOR JAMB
SCALE: 3" = 1'-0"



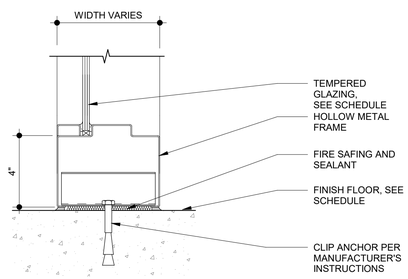
4 RATED INT HOLLOW METAL SIDELITE JAMB
SCALE: 3" = 1'-0"



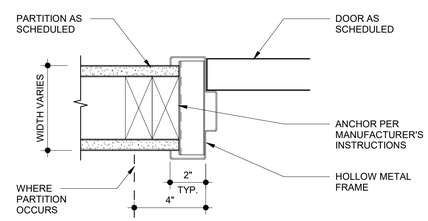
7 RATED HOLLOW METAL DOOR HEAD/THRESHOLD
SCALE: 3" = 1'-0"



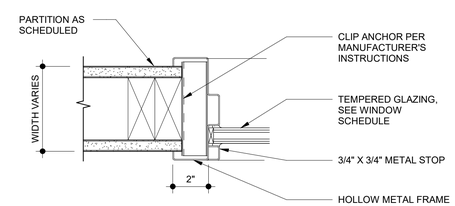
3 RATED INT HOLLOW METAL SIDELITE HEAD/SILL
SCALE: 3" = 1'-0"



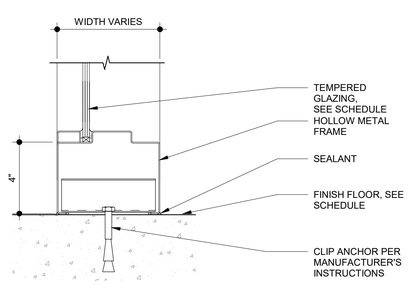
10 RATED INTERIOR WINDOW SILL @ FLOOR
SCALE: 3" = 1'-0"



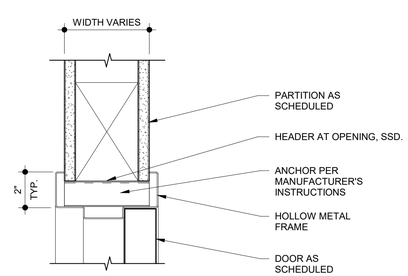
6 TYPICAL HOLLOW METAL DOOR JAMB
SCALE: 3" = 1'-0"



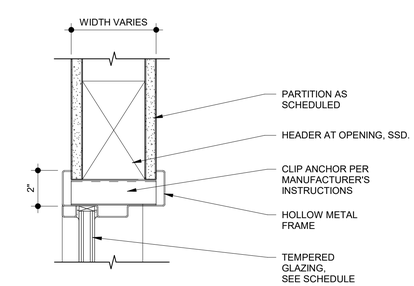
2 TYPICAL INTERIOR WINDOW JAMB
SCALE: 3" = 1'-0"



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



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



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

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 FRANZ
T: (650) 394-8869

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

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

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

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

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

NO.	DESCRIPTION	DATE
4	100% DESIGN DEVELOPMENT	12/17/2021

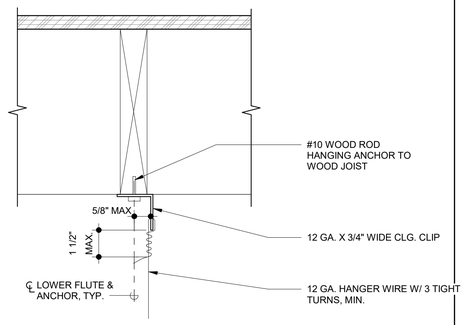
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
INTERIOR DETAILS

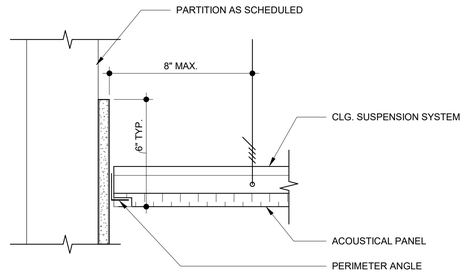
A902

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

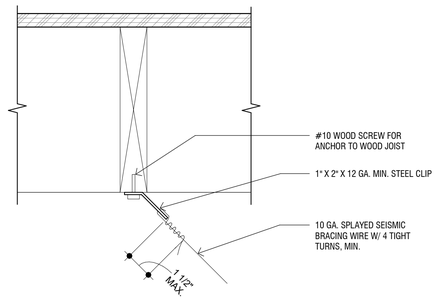
12/17/2021 4:05:59 PM



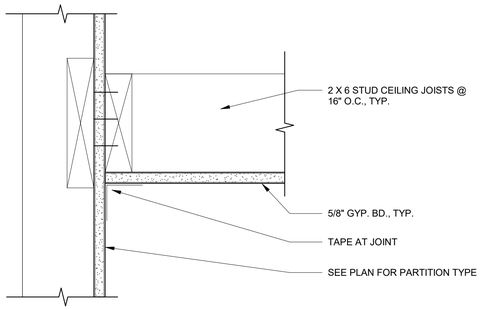
8 HANGAR WIRE ATTACHMENT @ WD FLR FRAMING
SCALE: 3" = 1'-0"



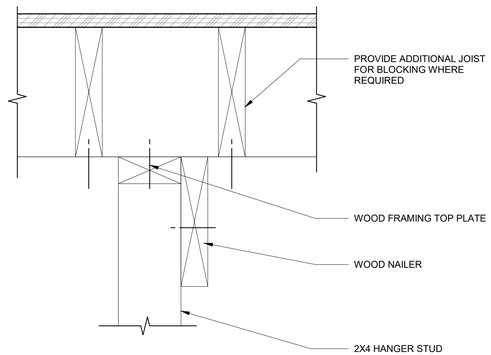
4 TYP. CONDITION @ ACOUSTIC TILE CEILING
SCALE: 3" = 1'-0"



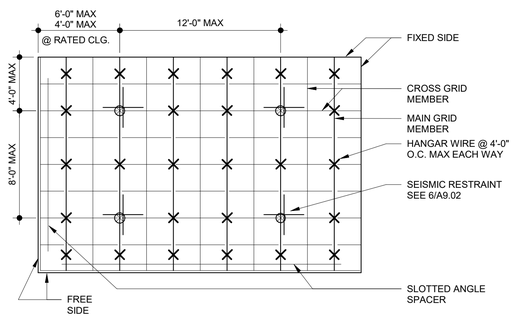
7 SEISMIC BRACING @ FLOOR FRAMING
SCALE: 3" = 1'-0"



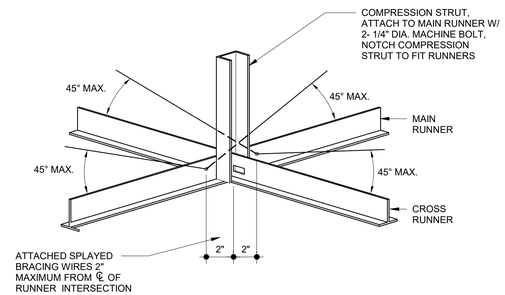
3 TYPICAL CONDITION @ GYP. BD. CEILING
SCALE: 3" = 1'-0"



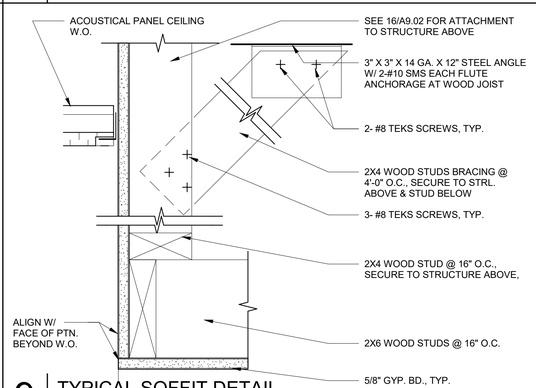
10 TYPICAL SUSPENDED STUD @ SOFFIT
SCALE: 3" = 1'-0"



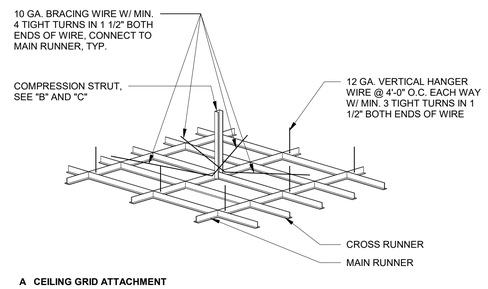
6 TYPICAL ACOUSTIC CEILING SUSPENSION
SCALE: 3" = 1'-0"



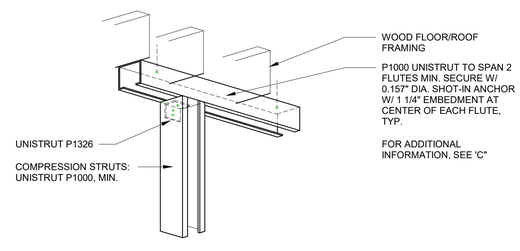
C COMPRESSION STRUT @ ACOUSTICAL CEILING SYSTEM



9 TYPICAL SOFFIT DETAIL
SCALE: 3" = 1'-0"



A CEILING GRID ATTACHMENT



B COMPRESSION STRUT @ STRUCTURE

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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS
217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
4	100% DESIGN DEVELOPMENT	12/17/2021

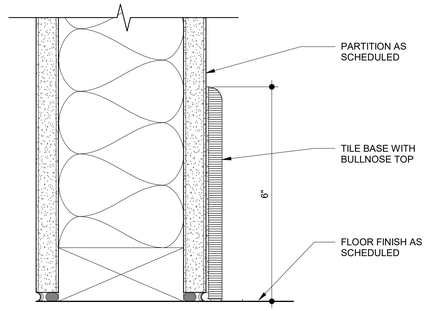
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
INTERIOR DETAILS - CEILING

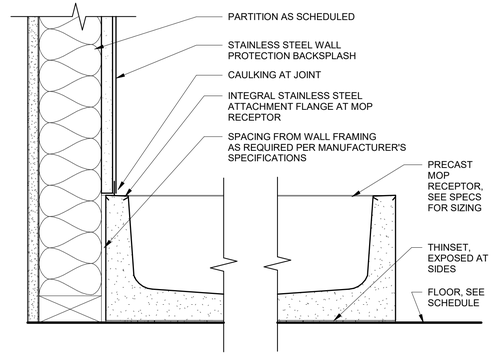
A903

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

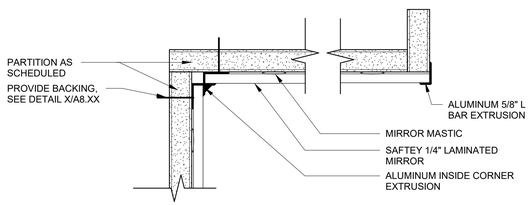
12/17/2021 4:05:59 PM



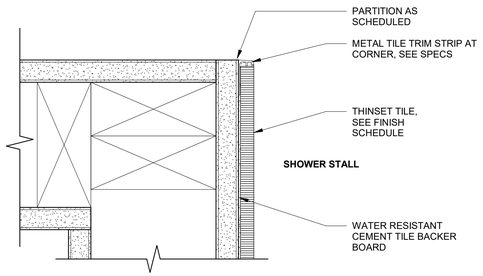
8 WALL TILE BASE @ CONCRETE
SCALE: 6" = 1'-0"



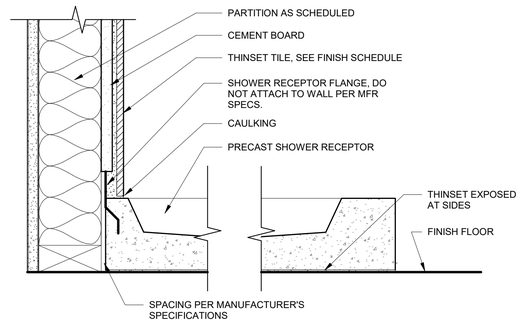
4 MOP RECEPTOR
SCALE: 3" = 1'-0"



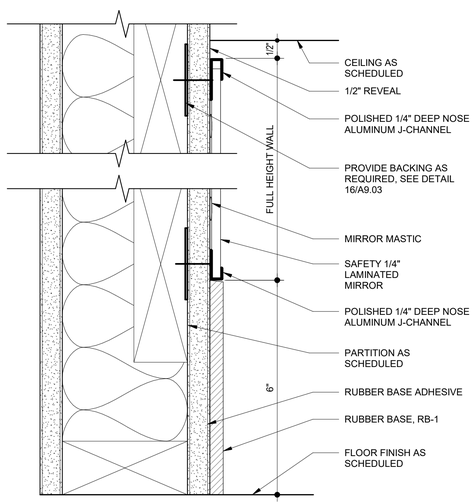
15 MIRROR WALL PLAN DETAIL
SCALE: 6" = 1'-0"



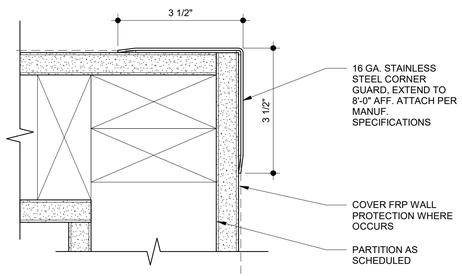
11 OUTSIDE CORNER TILE PLAN DETAIL
SCALE: 6" = 1'-0"



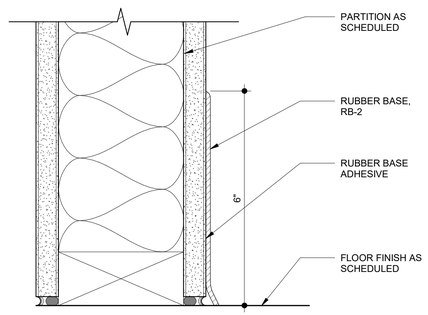
3 SHOWER RECEPTOR
SCALE: 3" = 1'-0"



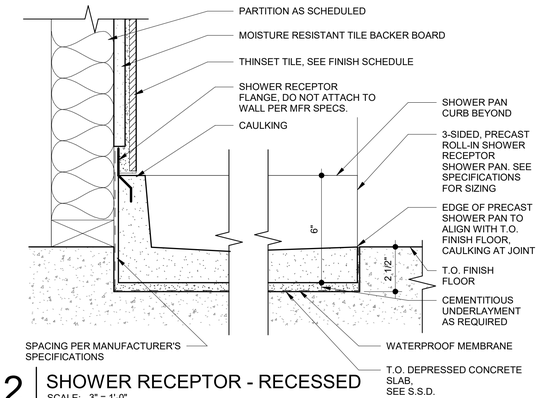
13 MIRROR WALL SECTION DETAIL
SCALE: 6" = 1'-0"



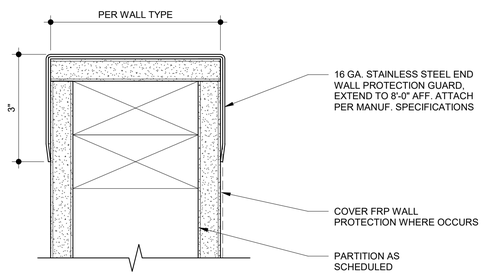
10 CORNER GUARD PLAN DETAIL
SCALE: 6" = 1'-0"



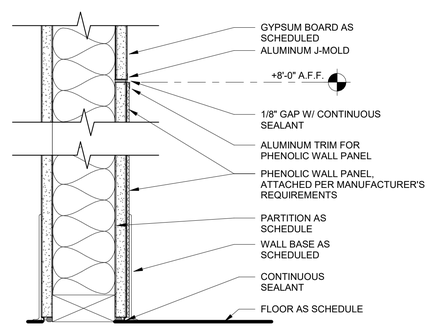
6 TYPICAL RUBBER BASE
SCALE: 6" = 1'-0"



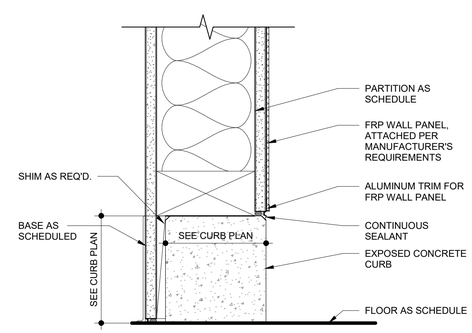
2 SHOWER RECEPTOR - RECESSED
SCALE: 3" = 1'-0"



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



5 FIBER REINFORCED PLASTIC WALL PANEL DETAIL
SCALE: 3" = 1'-0"



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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS
217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
4	100% DESIGN DEVELOPMENT	12/17/2021

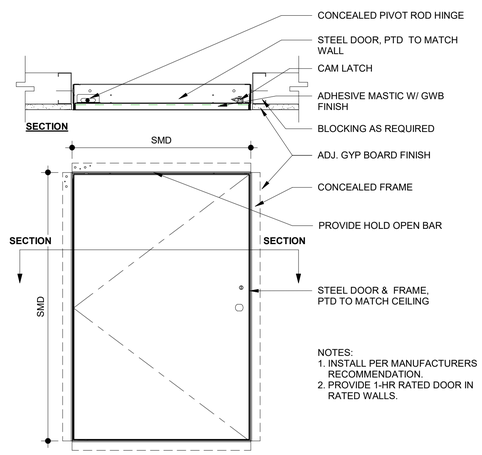
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
INTERIOR DETAILS

A904

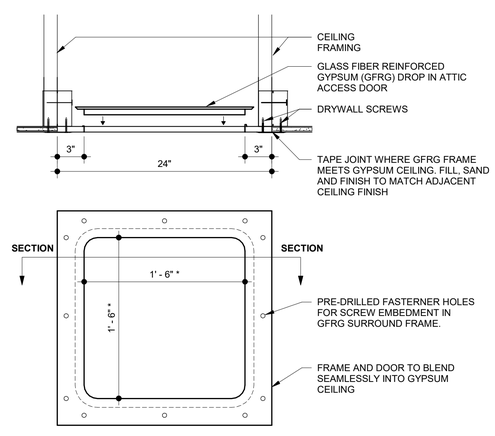
C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:06:00 PM

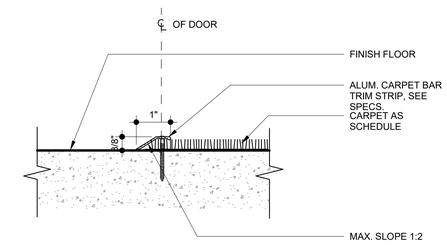


NOTES:
1. INSTALL PER MANUFACTURERS RECOMMENDATION.
2. PROVIDE 1-HR RATED DOOR IN RATED WALLS.

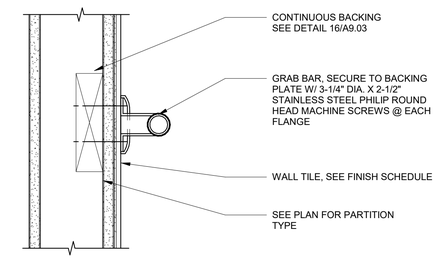
10 WALL ACCESS PANEL
SCALE: 1 1/2" = 1'-0"



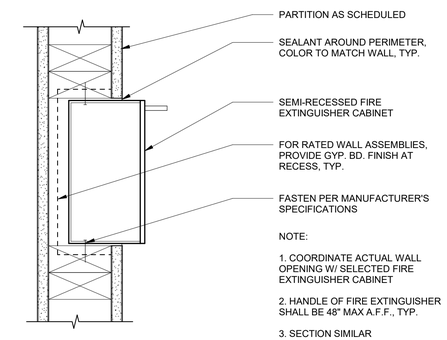
9 CEILING ACCESS PANEL
SCALE: 1 1/2" = 1'-0"



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



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



NOTE:

1. COORDINATE ACTUAL WALL OPENING W/ SELECTED FIRE EXTINGUISHER CABINET

2. HANDLE OF FIRE EXTINGUISHER SHALL BE 48" MAX A.F.F., TYP.

3. SECTION SIMILAR

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

MARJANG
ARCHITECTURE

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
INTERIOR DETAILS

A905

C:\Users\robert\Documents\Kensington Public Safety Building_Central_robertT6CYZ.rvt

12/17/2021 4:06:00 PM

H SHEAR WALL NOTES

1. PEN = PLYWOOD/OSB SHEATHING EDGE NAILING. BLOCK ALL UNSUPPORTED EDGES WITH 2x MATERIAL UNO. BLOCK EDGES WITH 3x MATERIAL WHERE NAILING IS 4"oc OR LESS. SEE 11/S102 FOR NAIL STAGGER AT ALL 3x.
2. FIELD NAILING TO BE 12"oc UNO.
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/S102 AND 9/S102 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 $\frac{3}{16}$" LARGER THAN THE AB DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1¾", PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. PLATE WASHER TO EXTEND WITHIN ½" OF SHEAR WALL SHEATHING UNO. PROVIDE OVERSIZED PLATE WASHER OR OFFSET AB AS REQUIRED. AT DOUBLE-SIDED SHEAR WALLS, STAGGER AB AS REQUIRED. AB TO BE PLACED A MINIMUM OF 4½" AND A MAXIMUM OF 12" FROM ENDS OF ALL SILL PLATES AND AT NOTCHES IN SILL PLATES.
12. NO OPENINGS ARE ALLOWED IN SHEAR WALLS UNLESS SHOWN ON THE STRUCTURAL PLANS. OPENINGS NOTED ARE PER 6/S102. COORDINATE ANY OPENINGS NOT SHOWN WITH THE STRUCTURAL ENGINEER.

F 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_y = 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 PSI, F_v = 265 PSI FOR SIMPLE SPAN BEAMS.

MANUFACTURED WOOD PRODUCTS:

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

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

G 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 ¼" 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.

ABBREVIATIONS

AB	ANCHOR BOLT
ABV	ABOVE
AC	AIR CONDITIONING
ADJ	ADJACENT
ADDL	ADDITIONAL
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECT
AYC	ALASKAN YELLOW CEDAR
@	AT
BF	BRACED FRAME
BLDG	BUILDING
BLK/BLKG	BLOCK/BLOCKING
BLW	BELOW
BM	BEAM
BN	BOUNDARY NAIL
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
BU	BUILT-UP
BYND	BEYOND
C	AMERICAN STANDARD CHANNEL
CA	CALIFORNIA
CANT	CANTILEVER
CB	CARRIAGE BOLT
CFS	COLD FORMED STEEL
CIP	CAST IN PLACE
CGL	CERTIFIED GLUED LUMBER
CJ	CONTROL JOINT
℄	CENTERLINE
CJP	COMPLETE JOINT PENETRATION
CLG	CEILING
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
COORD	COORDINATE/ COORDINATION
CMU	CONCRETE MASONRY UNIT
CSK	COUNTERSINK
CW	CUT WASHER
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DCW	DEMAND CRITICAL WELD
DF	DOUGLAS FIR
DIA or Ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIST	DISTANCE
DJ	DOWEL JOINT
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DWG	DRAWING
DWL	DOWEL
EA	EACH
EE	EACH END
EF	EACH FACE
ELEC	ELECTRICAL
ELEV	ELEVATOR/ELEVATION
EMBED	EMBEDMENT
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
(E)	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FIN	FINISH
FG	FINISH GRADE
FLR	FLOOR
FN	FACE NAIL
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FRMG	FRAMING
FS	FAR SIDE

FTG	FOOTING
GA	GAGE or GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GL	GRIDLINE
GLB	GLUE LAMINATED BEAM
GR	GRADE
HD	HOLD DOWN
HDG	HOT-DIP GALVANIZED
HDR	HEADER
HGR	HANGER
HK	HOOK
HORIZ	HORIZONTAL
HSB	HIGH STRENGTH BOLT
HSG	HIGH STRENGTH GROUT
HSH	HORIZONTAL SLOTTED HOLE
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
ID	INSIDE DIAMETER
IJ	I SHAPED WOOD BUILT UP TRUSS
INT	INTERIOR
JST	JOIST
JT	JOINT
KP	KING POST
L	STEEL ANGLE
Lb or #	POUND(s)
LGMF	LIGHT GAGE METAL FRAMING
LGMFC	LIGHT GAGE METAL FRAMING CONTRACTOR
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LS	LAG SCREW
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
LWC	LIGHTWEIGHT CONCRETE
MAX	MAXIMUM
MB	MACHINE BOLT
MBM	METAL BUILDING MANUFACTURER
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MEZZ	MEZZANINE
MF	MOMENT FRAME
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MIW	MALLEABLE IRON WASHER
MTL	METAL
MU	MECH UNIT
(N)	NEW
N/A	NOT APPLICABLE
NO or #	NUMBER
NS	NEAR SIDE
NSG	NON-SHRINK GROUT
NTS	NOT TO SCALE
NWC	NORMAL-WEIGHT CONCRETE
O/	OVER
oc	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OVS	OVERSIZED
OW	OTHERWISE
OWT	OPEN WEB TRUSS
ℙ	PLATE or PROPERTY LINE
PA	POST ABOVE
PAF	POWER ACTUATED FASTENERS
PEN	PANEL EDGE NAIL
PERP	PERPENDICULAR
PES	PANEL EDGE SCREWS
PJP	PARTIAL JOINT PENETRATION
PLF	POUNDS PER LINEAR FOOT

PNL	PANEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PTDF	PRESSURE TREATED DOUGLAS FIR
PT	POINT
R	RADIUS
RBS	REDUCED BEAM SECTION
RFTR	RAFTER
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
RET	RETAINING
REV	REVISION
RF	ROOF
RWD	REDWOOD
S	AMERICAN STANDARD BEAM
SAD	SEE ARCHITECTURAL DRAWINGS
SB	SOLID BLOCK
SC	SLIP CRITICAL
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SED	SEE ELECTRICAL DRAWINGS
SEOR	STRUCTURAL ENGINEER OF RECORD
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHTG	SHEATHING
SIM	SIMILAR
SKYLT	SKYLIGHT
SLD	SEE LANDSCAPE DRAWINGS
SMS	SHEET METAL SCREW
SMD	SEE MECHANICAL DRAWINGS
SOG	SLAB ON GRADE
SPCG	SPACING
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SQ	SQUARE
SS	SELECT STRUCTURAL or STAINLESS STEEL
STGR	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SW	SHEAR WALL
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
THK	THICK
THRD	THREADED
THRU	THROUGH
TL	TOTAL LOAD
TN	TOE NAIL
TOC	TOP OF CONCRETE
TOF	TOP OF FRAMING
TOM	TOP OF MASONRY
TOP	TOP OF PLYWOOD
TOS	TOP OF STEEL
TOT	TOTAL
TU	TILT UP
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VSH	VERTICAL SLOTTED HOLE
W	WIDE FLANGE STEEL BEAM
W/	WITH
W/O	WITHOUT
WD	WOOD
WHS	WELDED HEADED STUD
WLD	WELDED
WP	WORK POINT/WATERPROOF
WS	WOOD SCREW
WT	WEIGHT
WTS	WELDED THREADED STUD
WWR	WELDED WIRE REINFORCEMENT

C:\revit_local\21479_Kensington Public Safety Bldg_S21C_jamiebSZNNN.rvt

E WOOD FRAMING NOTES

1. HEADERS, BEAMS, POSTS, TOP PLATE SPLICES, AND ETC., ARE PER 1/S102 AND 3/S102 WHERE NOT NOTED ON PLAN AND DETAILS.
2. ALL BEAMS AND JOISTS (EXCLUDING I JOISTS) SHALL BE SEAT CUT FOR FULL UNIFORM BEARING AT SUPPORTS, INCLUDING BEAM SEATS AND COLUMN CAPS.
3. THE GENERAL CONTRACTOR SHALL MEASURE GLULAM BEAM SIZES AND CAMBERS AS DELIVERED TO THE JOB SITE AND SHALL REPORT FINDINGS TO THE ENGINEER PRIOR TO ERECTION. PROVIDE 5,000 FT. RADIUS CAMBER ON ALL SIMPLE SPAN GLULAM BEAMS UNO. WHERE INDICATED ON PLAN, C = ¾" INDICATES MIDSPAN CAMBER IN INCHES.
4. 3½" AND 5½" WIDTHS MAY BE SUBSTITUTED FOR 3⅛" & 5⅛" WIDTHS, RESPECTIVELY, AT INDUSTRIAL APPEARANCE GRADE GLULAM MEMBERS UNO.
5. SEE 11/S102 FOR SHEATHING NAILING REQUIREMENTS. ALL NAILING NOT NOTED OR DETAILED OTHERWISE SHALL BE PER 10/S102 NAIL LENGTH TO BE SUFFICIENT TO MEET CBC PENETRATION REQUIREMENTS. NAILS INTO PRESSURE TREATED MATERIAL SHALL BE HOT DIP GALVANIZED. NAILS AT BORATE TREATED LUMBER MAY BE CLEAR ZINC COATED. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AT EXTERIOR EXPOSURES.
6. EXTERIOR STUD WALL SHALL BE 2x6 @ 16"oc UNLESS NOTED OTHERWISE. INTERIOR BEARING WALLS AND SHEAR WALLS SHALL BE 2x6 @ 16"oc UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR OTHER INTERIOR WALL FRAMING SIZES. COORDINATE STUD AND PLATE SIZES WITH THE REQUIREMENTS OF THE SHEAR WALL SCHEDULE.
7. WOOD POST SIZES ARE TO MATCH BEAM AND STUD WIDTH, UNO. WHERE POST OCCURS ABOVE RAISED FLOOR, PROVIDE SOLID BLOCKING AT FLOOR FRAMING TO MATCH WIDTH OF POST. PEN PER H/S001 TO POSTS AT ALL EXTERIOR WALLS AND INTERIOR SHEAR WALLS. POSTS AT HOLDOWNS TO BE FULL HEIGHT AND PER 8/S102
8. FOR ROOF DRAINAGE, TOP OF FRAMING BETWEEN NOTED POINTS IS A STRAIGHT LINE.
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/S103 REFER TO PLANS AND DETAILS FOR OTHER REQUIREMENTS.
11. JOISTS AND RAFTERS ARE PER PLAN. UNLESS NOTED OTHERWISE, PROVIDE "LU" HANGER AT FLUSH FRAMING AND "HU" HANGER WHERE HANGER IS SHOWN SKEWED PER PLAN AND/OR HANGER SEAT IS INDICATED TO BE SLOPED. HANGER SIZE TO BE CORRECT FULL SIZE FOR JOIST SIZE (I.E. LU210 FOR 2x10). FILL ALL NAIL HOLES.
12. PROVIDE SOLID BLOCKING @ 8'-0"oc MAX FOR ALL 2x12 REPETITIVE FRAMING. PROVIDE SOLID BLOCKING OR SIMPSON TB X-BRIDGING @ 8'-0"oc MAX FOR ALL 1½" LSL AND 1¾" LVL REPETITIVE FRAMING WITH A DEPTH OF 11¼" OR GREATER.
13. PROVIDE ADDITIONAL JOIST BELOW ALL OR ADJACENT TO NON-STRUCTURAL WALLS PARALLEL TO FRAMING, UNO.
14. ROUND HOLES IN STEEL PLATES TO BE $\frac{1}{16}$" OVERSIZE. SLOTTED HOLES IN STEEL PLATES SHALL BE $\frac{1}{16}$" WIDER THAN THE BOLT DIAMETER AND HAVE A LENGTH OF 2 TIMES THE BOLT DIAMETER. THE DIRECTION OF THE SLOTTED LENGTH IS INDICATED ON THE DETAILS (VSH OR HSH). INSTALL BOLT AT THE CENTER LINE OF THE HOLE. BOLT HOLES IN WOOD SHALL BE ROUND AND $\frac{1}{32}$" OVERSIZE. CUT OFF BOLT THREADED END FLUSH WITH NUT WHEN REQUIRED BY FINISHES AND 1" MAXIMUM FROM NUT OTHERWISE. PROVIDE STANDARD CUT WASHERS UNDER HEAD AND NUT WHERE BOLT BEARS ON WOOD. USE PLATE OR MALLEABLE IRON WASHERS AT EXPOSED CONDITIONS OR AS INDICATED.
15. ALL BOLTED OR NAILED STRAP CONNECTIONS SHALL HAVE AN EQUAL NUMBER OF BOLTS OR NAILS EACH SIDE OF THE SPLICE JOINT. THE FIRST BOLT OR NAIL FROM EACH SIDE OF THE SPLICED OR STRAPPED MEMBER SHALL BE EQUIDISTANT FROM THE SPLICE. STRAPS USING 16d NAILS ON 2x MATERIAL TO BE INSTALLED ON THE 1½" EDGE OF THE MEMBER.
16. THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND SHEATHING MEET THE REQUIREMENTS OF THE SPECIFICATIONS AT THE TIME OF INSTALLATION AND AT CLOSE-IN. THE CONTRACTOR SHALL PROVIDE ALLOWANCE FOR DIFFERENTIAL SHRINKAGE BETWEEN FLOORS, ETC.
17. VENTING IS REQUIRED IN ENCLOSED FRAMING AREAS, SAD. DRILL BLOCKING AND LEDGERS AND PROVIDE SKIP BLOCKING AS DETAILED.
18. SAD FOR CEILING INFO. WHERE REQUIRED PROVIDE CEILING JOISTS PER 4/S103 UNO.
19. ALL SHEATHING SHALL HAVE 1/8" GAP AT ALL EDGES AND JOINTS. TYPICAL SHEATHING:
    A. FLAT ROOF SHEATHING (SLOPE 2:12 OR LESS): $\frac{19}{32}$" T&G APA RATED SHEATHING (40/20) EXP 1 WITH 10d @ 4"oc EDGES (PEN) AND 12"oc FIELD UNO ON PLANS. LAY PERPENDICULAR TO FRAMING MEMBERS. BLOCK EDGES WITH 2x4 LAID FLAT. NO PANELS LESS THAN 24" WIDE SHALL BE USED. STAGGER SHEETS.
    B. FLOOR SHEATHING: $\frac{23}{32}$" T&G APA RATED SHEATHING (48/24) EXP 1 WITH 10d @ 4"oc EDGES (PEN) AND 12"oc FIELD UNO ON PLANS. LAY PERPENDICULAR TO & GLUE TO FRAMING MEMBERS IMMEDIATELY PRIOR TO FULL NAILING (DO NOT SPOT NAIL). BLOCK EDGES WITH 2x4 LAID FLAT AS NOTED ON THE PLANS AND DETAILS. NO PANELS LESS THAN 24" WIDE SHALL BE USED. STAGGER SHEETS. ALTERNATE FASTENER: SIMPSON WSV #9x2" MIN SCREW (ICC ESR-1472). MIN 1¼" FRAMING/BLOCKING EMBEDMENT.

C FOUNDATION NOTES

1. ALLOWABLE (ASD) FOUNDATION DESIGN PRESSURES ARE:

   SHALLOW FOOTINGS:
   DEAD LOAD + LIVE LOAD = 3,000 PSF
   DEAD LOAD + LIVE LOAD + LATERAL = 4,000 PSF
2. 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 FOUNDATIONS SHALL BEAR ON FIRM, UNDISTURBED, NATIVE SOILS OR ENGINEERED FILL AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS. ENGINEERED FILL TO BE COMPACTED PER GEOTECHNICAL REPORT. INCREASE FILL AND OR FOOTING DEPTH AS REQUIRED BY GEOTECHNICAL ENGINEER. ALL FOOTING EXCAVATIONS SHALL BE AS NEAT AS PRACTICABLE. 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
3. WHERE BOTTOM OF ADJACENT FOOTINGS ARE DIFFERENT PROVIDE STEPPED FOOTING PER 8/S101
4. USE 5/8" DIAMETER x 12" (18" AT CURBS) ANCHOR BOLTS (AB) AT 48"oc WHERE NOT OTHERWISE NOTED. MINIMUM EMBEDMENT INTO CONCRETE IS 7" (EXCLUDING CURB) UNLESS DETAILED OTHERWISE. ANCHOR BOLTS ARE TO BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. SEE SHEAR WALL SCHEDULE FOR ADDITIONAL REQUIREMENTS. MINIMUM TWO ANCHOR BOLTS PER SILL PIECE.
5. TYPICAL SLAB: 4" CONCRETE REINFORCED WITH #3 @ 16"oc EACH WAY AT MID-DEPTH OVER VAPOR RETARDER (PER SPECIFICATIONS) AND 4" MINIMUM FREE DRAINING COMPACTED CRUSHED ROCK ON SUBGRADE PER THE GEOTECHNICAL RECOMMENDATIONS, AND AS APPROVED BY THE GEOTECHNICAL ENGINEER. DO NOT DRIVE CONCRETE TRUCKS OR LARGE SCREED MACHINES ON VAPOR RETARDER WITHOUT ADDITIONAL BUFFER MATERIAL AND APPROVAL FROM THE STRUCTURAL ENGINEER.
6. 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.
7. 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.
8. DRILLING FOR CAST IN PLACE CONCRETE PIERS REQUIRES OBSERVATION AND APPROVAL OF GEOTECHNICAL ENGINEER. ALL PIERS SHALL BE POURED IN ONE CONTINUOUS POUR WITH STEEL IN PLACE. ALL PIERS TO BE VIBRATED WHILE POURING CONCRETE.
9. DO NOT UNDERCUT EXISTING FOUNDATIONS. NOTIFY ENGINEER FOR REVIEW AND POSSIBLE REVISIONS, IF EXISTING FOUNDATION CONDITIONS ARE NOT AS SHOWN.
10. TOP OF FOOTING ELEVATIONS TO BE DETERMINED BY THE CONTRACTOR BASED ON INFORMATION FROM THE CIVIL DRAWINGS, GEOTECHNICAL REPORT, LANDSCAPE, ETC.

D SPECIAL INSPECTION BY OWNERS TESTING AGENCY

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

1. **STRUCTURAL STEEL CONSTRUCTION** PER CBC SECTIONS 1705.2, 1705.12.1, 1705.13.1, AND TABLE 1705.2.3 INCLUDING MATERIAL IDENTIFICATION, SHOP AND FIELD WELDING, AND INSTALLATION OF HIGH-STRENGTH BOLTS.
2. **CONCRETE CONSTRUCTION** PER CBC SECTIONS 1705.3, AND TABLE 1705.3 INCLUDING FORMWORK, REINFORCING STEEL, CAST-IN-PLACE BOLTS, MIX DESIGNS, CONCRETE SAMPLES, AND PLACEMENT FOR ALL CONCRETE. REINFORCING DOWELS FROM FOOTINGS TO RETAINING WALLS SHALL BE INSPECTED PRIOR TO PLACEMENT OF FOOTING CONCRETE AND WALL GROUT OR CONCRETE. CONTINUOUS OR ISOLATED SPREAD FOOTINGS WITH DESIGN STRENGTH NO GREATER THAN 2500 PSI, NON-STRUCTURAL SLABS ON GRADE, AND EXTERIOR FLATWORK DO NOT REQUIRE SPECIAL INSPECTION PER CBC SECTION 1705.3.
3. **WOOD CONSTRUCTION** PER CBC SECTIONS 1705.5, 1705.11.1, AND 1705.12.2 INCLUDING NAILING, BOLTING, AND ANCHORING OF ALL DRAG STRUTS; TOP PLATE SPLICES, LEDGER SPLICES, SIMPSON HARDWARE, BRACES, AND 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.
4. **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.
5. **DRILLED CONCRETE PIER FOUNDATIONS** PER CBC SECTION 1705.8, TABLE 1705.8 AND THE APPROVED SOILS REPORT INCLUDING DRILLING OPERATIONS, PIER SIZE AND EMBEDMENT, END BEARING STRATA CAPACITY, AND PLACEMENT OF REINFORCEMENT AND CONCRETE. ADDITIONAL INSPECTIONS FOR CONCRETE ARE REQUIRED PER CBC SECTION 1705.3, AND AS NOTED ABOVE.
6. **SPECIAL CASES** PER CBC SECTION 1705.1.1 AND PRODUCT ICC REPORTS FOR ALL STRUCTURAL MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN THE CBC OR REFERENCED STANDARDS INCLUDING POST-INSTALLED ANCHOR BOLTS IN CONCRETE AND CMU, AND PRE-MANUFACTURED SHEAR PANELS AND BRACED FRAMES.

A DESIGN CRITERIA

DESIGN CRITERIA:	2019 CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2 (CBC) AND 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC)
FLOOR LIVE LOAD:	50 PSF (REDUCIBLE)
ROOF LIVE LOAD:	20 PSF (REDUCIBLE)
FUTURE SOLAR:	8 PSF
RISK CATEGORY:	IV
WIND DATA:	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_e: 1.5 MAPPED SPECTRAL RESPONSE ACCELERATIONS: S_S = 2.277g; S_1 = 0.880g SITE CLASS: C SPECTRAL RESPONSE COEFFICIENTS: S_{DS} = 1.822g; S_{D1} = 0.821g SEISMIC DESIGN CATEGORY: F SEISMIC FORCE RESISTING SYSTEM(S): WOOD FRAMED SHEAR WALLS RESPONSE MODIFICATION FACTOR(S): R = 6.5 DESIGN BASE SHEAR: 64k (ASD) SEISMIC RESPONSE COEFFICIENT(S), C_S = 0.42 (ULTIMATE) ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE SEISMIC FORCES ARE REDUCED TO 75% OF CURRENT CODE PER CEBC
SCOPE:	MODIFICATIONS TO EXISTING BEARING WALL LOCATIONS, NEW FLOOR AND ROOF FRAMING, FULL SEISMIC RETROFIT, ASSOCIATED FOUNDATION WORK, AND TENANT IMPROVEMENTS.

B GENERAL NOTES

1. REFER TO SHEETS S1.1, S1.2 AND S1.3 FOR STANDARD DETAILS OF CONSTRUCTION. REFER TO THE PROJECT SPECIFICATIONS FOR MATERIALS AND METHODS.
2. BUILDING DIMENSIONS SHOWN ARE FOR GENERAL REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS (SAD) FOR ALL ACTUAL BUILDING DIMENSIONS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER SO CLARIFICATION CAN BE MADE PRIOR TO COMMENCING WORK.
3. STRUCTURAL DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK.
4. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR SIDEWALK SLABS AND DIMENSIONS.
6. COORDINATION OF MECHANICAL, ELECTRICAL, PLUMBING, AND SITE UTILITY SYSTEMS WITH THE STRUCTURAL SYSTEM IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. USE DETAILS ON SHEETS S1.1 THROUGH S1.3. AT CONDITIONS WHERE THESE DETAILS DO NOT APPEAR TO APPLY, NOTIFY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION. AT CONDITIONS WHERE FIELD MODIFICATIONS OF MECHANICAL, ELECTRICAL, PLUMBING, OR SITE UTILITIES AFFECT STRUCTURAL SYSTEMS, NOTIFY STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
7. VERIFY WEIGHTS AND LOCATIONS OF MECHANICAL UNITS WITH MECHANICAL ENGINEER PRIOR TO PLACEMENT. UNITS VARYING OVER 10% IN WEIGHT SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION (MECHANICAL WEIGHTS SHOWN ARE MAXIMUM). CONTRACTOR TO VERIFY MECHANICAL UNIT SIZES AND WEIGHTS AS INSTALLED PRIOR TO INSTALLATION OF SPECIAL FRAMING TO ENSURE CORRECT PLACEMENT UNDER CURBS, ETC. SEE 7/S103
8. SHORING AND BRACING DESIGN, MATERIALS AND INSTALLATION SHALL BE PROVIDED BY THE GENERAL CONTRACTOR, AND SHALL BE ADEQUATE FOR ALL LOADS. LEAVE IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY AND UNTIL FINAL STRUCTURAL CONSTRUCTION IS COMPLETED. THE CONTRACTOR SHALL ENGAGE A LICENSED CIVIL OR STRUCTURAL ENGINEER TO PROVIDE SHORING.
9. SPECIAL INSPECTIONS ARE REQUIRED PER D/S001 AND THE TESTING AND INSPECTION FORM.
10. VEHICULAR TRAFFIC, HEAVY EQUIPMENT AND MATERIAL STAGING SHALL NOT BE ALLOWED ADJACENT TO ANY RETAINING/BASEMENT WALL, NEW OR EXISTING WITHIN A HORIZONTAL DISTANCE EQUAL TO THE WALL HEIGHT MEASURED FROM THE BOTTOM OF FOOTING OR 5'-0" WHICHEVER IS GREATER, UNLESS APPROVED BY THE STRUCTURAL ENGINEER OR NOTED OTHERWISE. WITHIN THIS ZONE, ONLY HAND-OPERATED EQUIPMENT ("WHACKERS", VIBRATORY PLATES, OR PNEUMATIC COMPACTORS) SHALL BE USED TO COMPACT THE BACKFILL SOILS.
11. STRUCTURAL OBSERVATION PER CBC SECTION 1704.6 IS REQUIRED. NOTIFY ZFA FOR GENERAL ON SITE REVIEW OF:
    - MINIMUM FOOTING SIZE AND REINFORCING STEEL.
    - WOOD SHEAR WALLS, SHEAR PANELS AND FLOOR/ROOF DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORAGE AND OTHER FASTENING TO OTHER COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM.
    - STRUCTURAL WOOD FRAMING.

    NOTIFY ZFA FOR REVIEW PRIOR TO COVERING ABOVE LISTED WORK. PROVIDE 2 WORKING DAYS MINIMUM SCHEDULING NOTICE PRIOR TO REVIEW DATE.
12. SUBMIT ENGINEERING FOR DEFERRED APPROVAL ITEMS TO ARCHITECT/ENGINEER FOR REVIEW AND SUBMITTAL TO THE BUILDING DEPARTMENT FOR APPROVAL PRIOR TO FABRICATION. DEFERRED APPROVAL ITEMS SHALL BE DESIGNED AND DETAILED BY MANUFACTURER TO ACCOMMODATE HORIZONTAL AND VERTICAL MOVEMENTS AS NOTED IN STRUCTURAL DRAWINGS. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE DIMENSIONS AND DETAILS SHOWN ON THE SHOP DRAWINGS PRIOR TO SUBMITTAL. MANUFACTURER TO PROVIDE DRAWINGS AND CALCULATIONS DESIGNED IN ACCORDANCE WITH THE CBC AND SPECIFICATIONS, PREPARED AND SIGNED BY A CALIFORNIA LICENSED CIVIL OR STRUCTURAL ENGINEER FOR THE FOLLOWING ITEMS, UNLESS NOTED OTHERWISE:
    A. ELEVATOR - STRUCTURAL DESIGN AND DRAWINGS OF ELEVATOR GUIDES, RAILS, SUPPORTS, ETC, SHALL BE PROVIDED BY THE ELEVATOR MANUFACTURER/SUPPLIER. CONFORM TO CAL OSHA REQUIREMENTS.
    B. STORE FRONT, CURTAIN WALL, GLAZING AND SKYLIGHT SYSTEMS: INCLUDE ATTACHMENTS TO STRUCTURE.

SHEET INDEX

S001	GENERAL NOTES AND SPECIFICATIONS
S101	TYPICAL CONCRETE DETAILS
S102	TYPICAL WOOD DETAILS
S103	TYPICAL WOOD DETAILS
S201	FOUNDATION PLAN
S202	SECOND FLOOR FRAMING PLAN
S203	ROOF FRAMING PLAN
S301	ELEVATIONS & SCHEDULES
S401	FOUNDATION DETAILS
S601	SECOND FLOOR DETAILS
S602	ROOF DETAILS

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

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

copyright © 2021

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

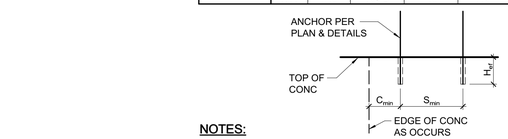
JOB NO.
21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
GENERAL NOTES AND SPECIFICATIONS

S001

12/17/2021 6:08:45 PM

ADHESIVE ANCHOR IN 2500 PSI MIN CONCRETE							
ADHESIVE TYPE	ANCHOR		PILOT HOLE	MIN EMBED UNO H_{ef}	MIN EDGE DISTANCE C_{min}	MIN SPCG S_{min}	MIN CONC DEPTH H_{min}
	THRD ROD	REBAR					
SIMPSON SET-XP (ICC-ESR 2508)	⅜"Ø	#3	½"Ø	3"	1¾"	3"	H_{ef} + 2½"
	½"Ø	#4	⅝"Ø	4"	1¾"	3"	H_{ef} + 3¼"
	⅝"Ø	#5	¾"Ø	5"	1¾"	3"	H_{ef} + 3¾"
	¾"Ø	#6	⅞"Ø	6"	1¾"	3"	H_{ef} + 4⅜"
	⅞"Ø	#7	1"Ø	7"	1¾"	3"	H_{ef} + 4"
	1"Ø	#8	1⅛"Ø	8"	1¾"	3"	H_{ef} + 5⅝"
	1¼"Ø	#10	1⅜"Ø	10"	2¼"	6"	H_{ef} + 6⅞"
HILTI HIT-HY 200R (ICC-ESR 3187)	⅜"Ø	N/A	7/16"Ø	3"	1¾"	1⅞"	H_{ef} + 1¼"
	N/A	#3	½"Ø	3"	1¾"	1⅞"	
	½"Ø	N/A	9/16"Ø	4"	1¾"	2½"	
	N/A	#4	⅝"Ø	4"	1¾"	2½"	
	⅝"Ø	#5	¾"Ø	5"	1¾"	3⅛"	H_{ef} + 1½"
	¾"Ø	#6	⅞"Ø	6"	1¾"	3¾"	H_{ef} + 1¾"
	⅞"Ø	#7	1"Ø	7"	1¾"	4⅜"	H_{ef} + 2"
	1"Ø	#8	1⅛"Ø	8"	1¾"	5"	H_{ef} + 2¼"
	N/A	#9	1⅜"Ø	9"	1¾"	5⅝"	H_{ef} + 2¾"
	1¼"Ø	N/A	1⅜"Ø	10"	1¾"	6¼"	
	N/A	#10	1½"Ø	10"	1¾"	6¼"	H_{ef} + 3"

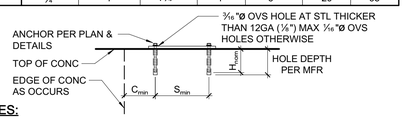


NOTES:

1. INSTALL ADHESIVE ANCHORS PER MANUFACTURER'S INFORMATION AND ICC REPORT.
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.

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

SCREW ANCHOR IN 2500 PSI MIN CONCRETE							
ANCHOR TYPE	ANCHOR AND PILOT HOLE DIA	MINIMUM EMBEDMENT H_{nom}	MINIMUM EDGE DIST C_{min}	MINIMUM SPCG S_{min}	MINIMUM CONCRETE THICKNESS H_{min}	MINIMUM INSTALL TORQUE (FT-LB)	MAXIMUM INSTALL TORQUE (FT-LB)
SIMPSON TITEN HD (ICC-ESR 2713)	¼"	1⅝"	1½"	1½"	3¼"	10	24
	⅜"	2½"	1¾"	3"	4"	10	50
	½"	3¼"	1¾"	3"	5"	10	65
	⅝"	4"	1¾"	3"	6"	10	100
	¾"	5½"	1¾"	3"	8¾"	20	150
HILTI KH-EZ (ICC-ESR 3027)	¼"	1⅜"	1½"	1½"	3¼"	10	18
	⅜"	2½"	1½"	3"	4"	10	40
	½"	3"	1¾"	3"	4¾"	10	45
	⅝"	3¼"	1¾"	4"	5"	10	85
	¾"	4"	1¾"	4"	6"	20	95

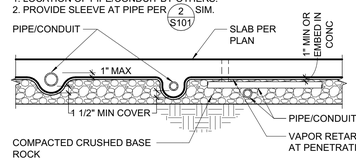


NOTES:

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 TORQUE.

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

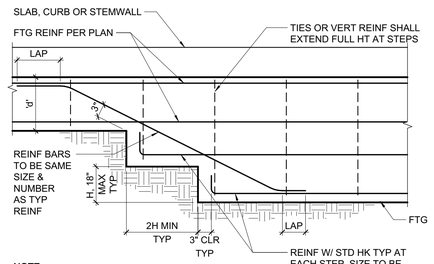
NOTES:
1. LOCATION OF PIPE/CONDUIT BY OTHERS.
2. PROVIDE SLEEVE AT PIPE PER 2/S101 SIM.



PIPE/CONDUIT REQUIRING EMBEDMENT IN CONC

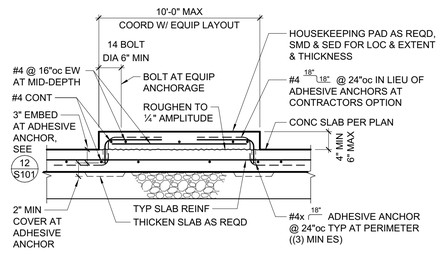
PIPE/CONDUIT IN COMPACTED ROCK

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

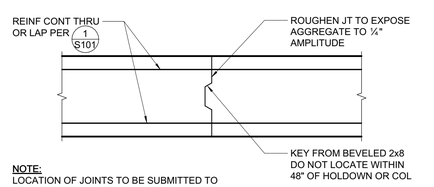


NOTE:
REMOVE ALL EARTH LOOSENED DURING EXCAVATION AND FILL W/ CONCRETE.

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

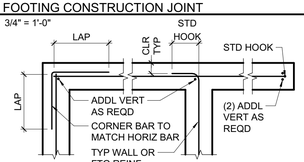


9 TYPICAL HOUSEKEEPING PAD AT SLAB ON GRADE
3/4" = 1'-0"

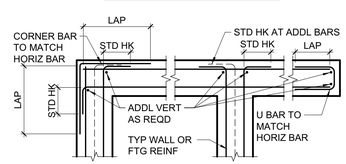


NOTE:
LOCATION OF JOINTS TO BE SUBMITTED TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACEMENT OF CONCRETE

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



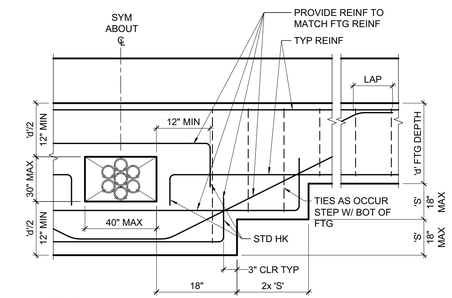
PLAN VIEW - SINGLE LAYER



PLAN VIEW - 2 OR MORE LAYERS

NOTE:
FOOTING REINFORCING AT CORNER AND INTERSECTION TO BE SIMILAR

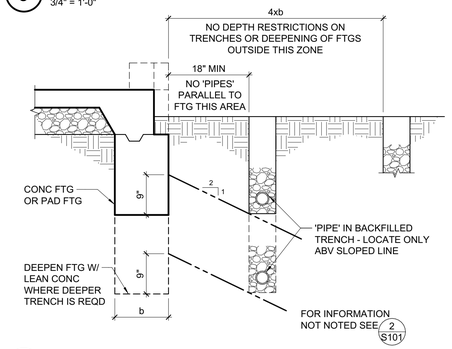
11 TYPICAL CORNER, INTERSECTION AND END REINFORCING
3/4" = 1'-0"



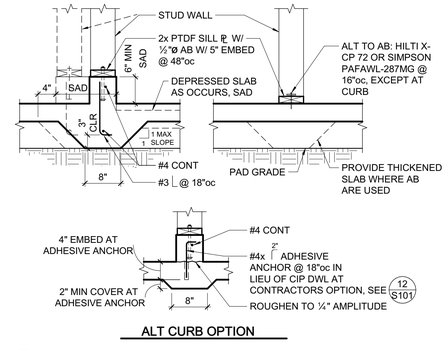
NOTES:

1. DO NOT LOCATE BLOCKOUT WITHIN 48" OF SHEAR WALL HOLD DOWN, IN FRAME FOUNDATIONS OR COLUMN PAD FOOTINGS.
2. MINIMUM DISTANCE BETWEEN BLOCKOUTS OR OTHER PIPES TO BE 48".

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

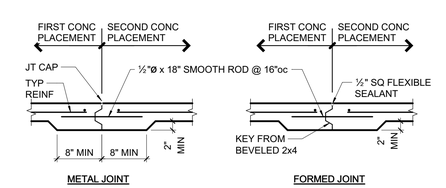


4 TRENCHING ADJACENT TO FOOTING
3/4" = 1'-0"



ALT CURB OPTION

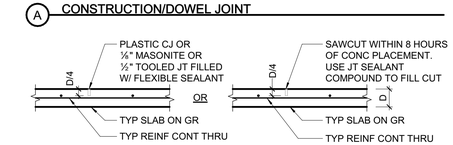
5 NON-BEARING STUD WALL AT SLAB
3/4" = 1'-0"



METAL JOINT

FORMED JOINT

A CONSTRUCTION/DOWEL JOINT



B CONTROL JOINT

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

MINIMUM BAR LAPS FOR REINFORCING STEEL CONCRETE STRENGTH: 2500 PSI OR GREATER (STAGGER SPLICES)					
SIZE	LAP LENGTH	SIZE	LAP LENGTH	SIZE	LAP LENGTH
#3	19"	#6	38"	#9	94"
#4	25"	#7	61"	#10	115"
#5	37"✳	#8	77"	#11	138"

(CLASS B TOP BAR)
BAR SPCG SHALL NOT BE LESS THAN 4x BAR DIA OR 4".
✳ WHERE COVER NOT LESS THAN 1½", #5 LAP LENGTH = 31"

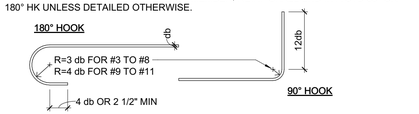
CONC COVER FOR REINF STL - - - - - - - - - - - - - - - - 'CLR'

CAST AGAINST EARTH OR GR - 3"

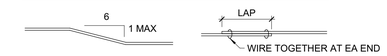
EXPOSED TO EARTH (FORMED) OR WEATHER
#5 & SMALLER - 1½"
#6 & LARGER - 2"

NOT EXPOSED TO EARTH OR WEATHER
#5 & SMALLER - 1"
#6 & LARGER, & ALL BM STIRRUPS, COL TIES & SPIRALS - - - - - - 1½"

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.

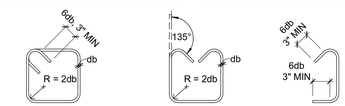


STANDARD HOOKS & BENDS



COL BAR & STRUCT OFFSET

SPLICE

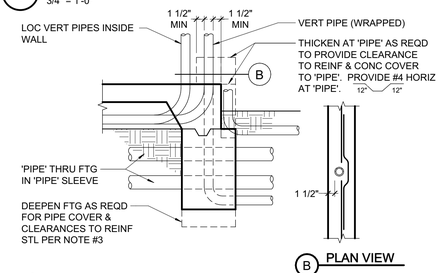


135° STIRRUP TIES #3, #4, #5

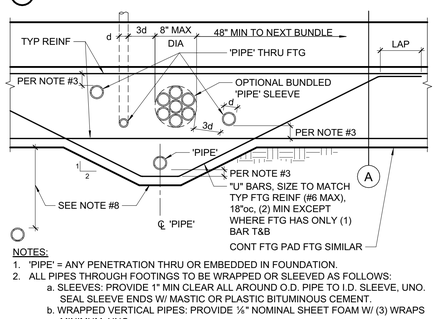
STIRRUP #3, #4, #5

CROSSTIE #3, #4, #5

1 TYPICAL REINFORCING DETAILS (f'c = 2500psi MIN)
3/4" = 1'-0"



B PLAN VIEW



NOTES:

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 ⅛" NOMINAL SHEET FOAM W/ (3) WRAPS MINIMUM, UNO.
   c. WRAPPED HORIZONTAL PIPES: PROVIDE ⅛" 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 ⅛" 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 REINF.
7. NO HORIZONTAL PIPES ALLOWED THROUGH FOOTING WITHIN 2'-0" EACH SIDE OF HOLDOWNS OR STEEL COLUMNS. NO VERTICAL PIPES ALLOWED IN FOOTINGS AT BRACED FRAMES.
8. PROVIDE 18" MIN OF COMPACTED FILL ABOVE PIPES UP TO 12"Ø, FOR LARGER PIPES INCREASE COMPACTED FILL DEPTH 1'-0" FOR EACH 6" INCREASE IN PIPE DIAMETER. OTHERWISE DEEPEN FOOTING AS SHOWN.

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

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

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

copyright © 2021

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

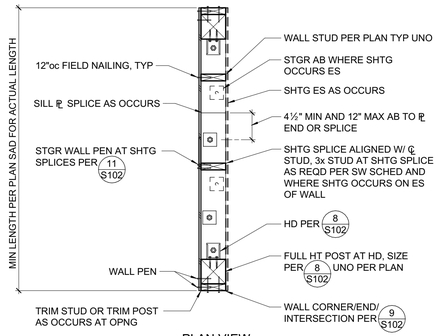
DESCRIPTION

TYPICAL CONCRETE DETAILS

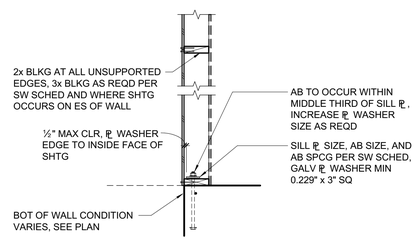
S101

12/17/2021 6:08:46 PM

C:\revit_local\21479_Kensington Public Safety Bldg_S21C_jamieSZNNN.rvt



PLAN VIEW



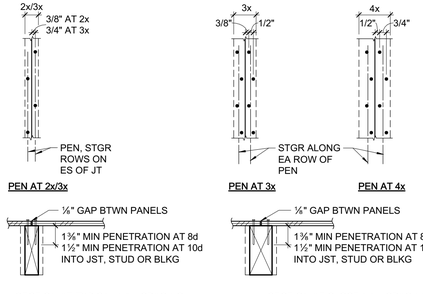
SECTION

NOTES:
1. PEN = PLYWOOD/OSB EDGE NAILING PER SW SCHED.
2. SILL ℙ AB WASHER HOLE MAY BE OVERSIZED UP TO ⅜ ". WASHER MAY BE DIAG SLOTTED UP TO 1¾" IN LENGTH. WHERE HOLE IS OVERSIZED OR SLOTTED, PROVIDE STD CUT WASHER.

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

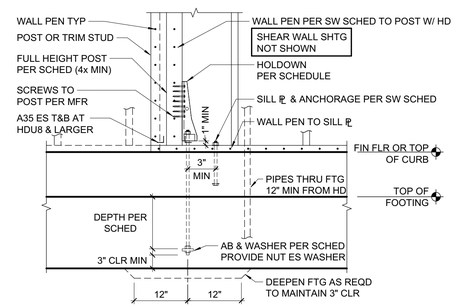
RIM JOIST TO TOP ℙ, TOE NAIL	10d @ 6"oc
TRUSSES, JOISTS OR RAFTERS AT ALL BEARING POINTS	
TOE NAILS EACH SIDE	(2) 10d
TRUSSES, JOISTS OR RAFTERS TO SIDE OF STUDS	
EIGHT (8) INCH JOISTS OR LESS	(3) 16d
FOR EACH ADDITIONAL 4 INCHES OF DEPTH OF JOIST	(1) 16d
BLOCKING BETWEEN JOISTS OR RAFTERS:	
TO JOIST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

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



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

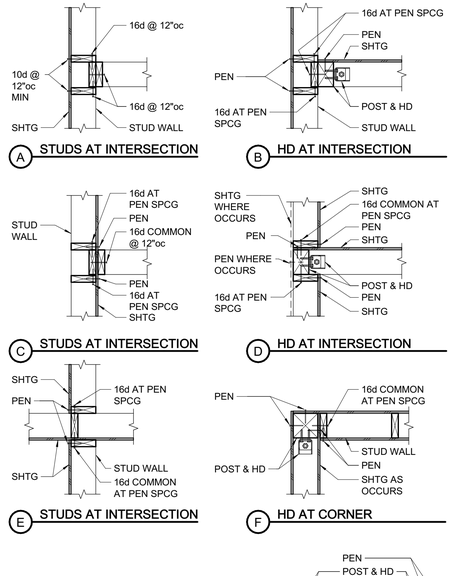
11 SHEATHING NAILING
1 1/2" = 1'-0"



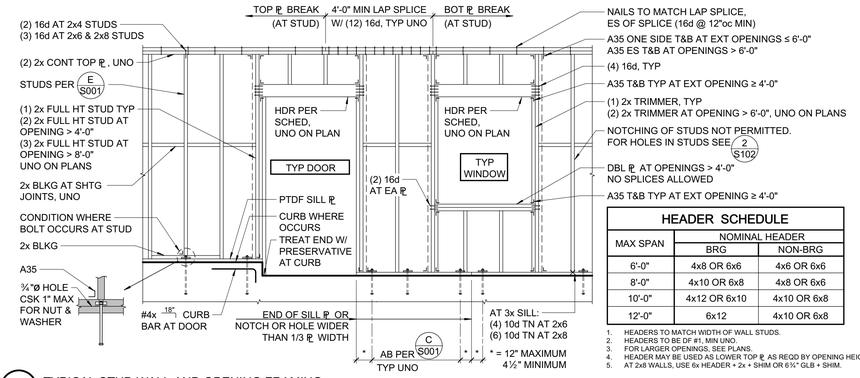
HOLDOWN	AB OR THRD ROD	WASHER AT AB	DEPTH	MIN FTG WIDTH	MIN POST SIZE UNO ON PLANS
HDU2	⅝"ø	¼"x2½" SQ	12"	12"	4x
HDU4	⅝"ø	¼"x2½" SQ	12"	12"	4x
HDU5	⅝"ø	¼"x2½" SQ	12"	12"	4x
HDU8	⅞"ø	⅜"x3" SQ	15"	18"	6x6
HDU11	1"ø	⅜"x3½" SQ	15"	18"	6x6
HDU14*	1"ø	⅞"x3½" SQ	21"	24"	6x6

*NUTS AT ANCHOR ROD TO BE HEAVY HEX

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



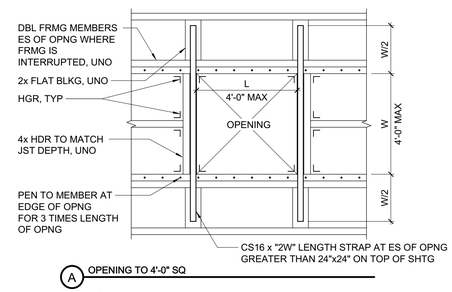
9 TYPICAL PLAN VIEW OF STUD WALL INTERSECTIONS
3/4" = 1'-0"



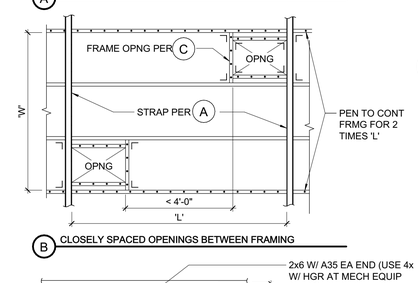
HEADER SCHEDULE		
MAX SPAN	NOMINAL HEADER	
	BRG	NON-BRG
6'-0"	4x8 OR 6x6	4x6 OR 6x6
8'-0"	4x10 OR 6x8	4x8 OR 6x6
10'-0"	4x12 OR 6x10	4x10 OR 6x8
12'-0"	6x12	4x10 OR 6x8

1. HEADERS TO MATCH WIDTH OF WALL STUDS.
2. HEADERS TO BE DF #1, MIN UNO.
3. FOR LARGER OPENINGS, SEE PLANS.
4. HEADER MAY BE USED AS LOWER TOP ℙ AS REQD BY OPENING HEIGHT.
5. AT 2x8 WALLS, USE 6x HEADER + 2x + SHIM OR 6⅞" GLB + SHIM.

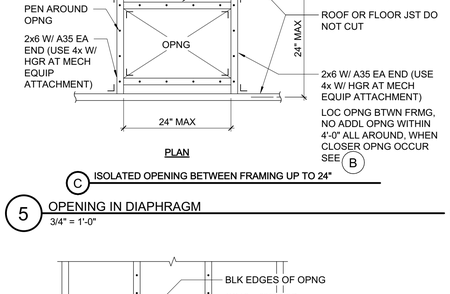
1 TYPICAL STUD WALL AND OPENING FRAMING
3/8" = 1'-0"



A OPENING TO 4'-0" SQ

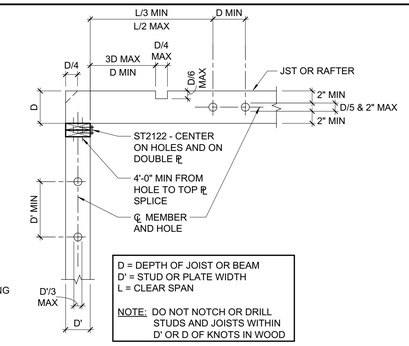


B CLOSELY SPACED OPENINGS BETWEEN FRAMING

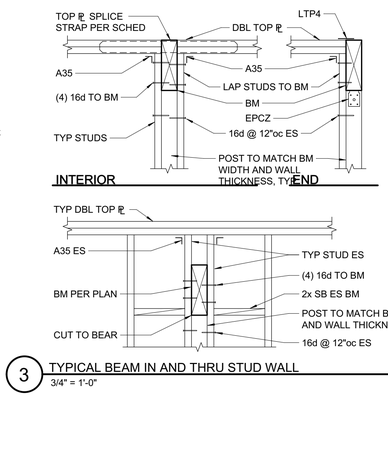


C ISOLATED OPENING BETWEEN FRAMING UP TO 24"

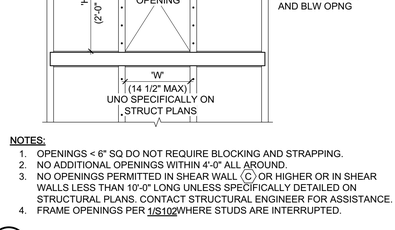
5 OPENING IN DIAPHRAGM
3/4" = 1'-0"



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

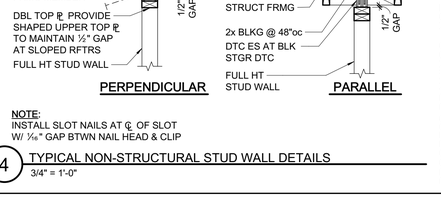


3 TYPICAL BEAM IN AND THRU STUD WALL
3/4" = 1'-0"



NOTES:
1. OPENINGS < 6" SQ DO NOT REQUIRE BLOCKING AND STRAPPING.
2. NO ADDITIONAL OPENINGS WITHIN 4'-0" ALL AROUND.
3. NO OPENINGS PERMITTED IN SHEAR WALL C OR HIGHER OR IN SHEAR WALLS LESS THAN 10'-0" LONG UNLESS SPECIFICALLY DETAILED ON STRUCTURAL PLANS. CONTACT STRUCTURAL ENGINEER FOR ASSISTANCE.
4. FRAME OPENINGS PER 1/S102 WHERE STUDS ARE INTERRUPTED.

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



NOTE:
INSTALL SLOT NAILS AT ℄ OF SLOT W/ 1/16" GAP BTWN NAIL HEAD & CLIP

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

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

copyright © 2021

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

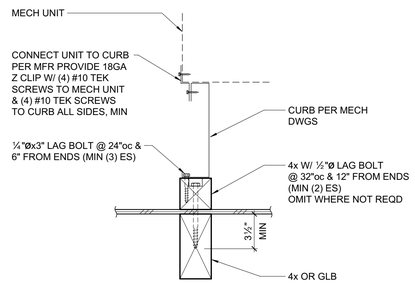
TYPICAL WOOD DETAILS

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

S102

C:\revit_local\21479_Kensington Public Safety Bldg_S21C_jamieSZNNN.rvt

12/17/2021 6:08:47 PM



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

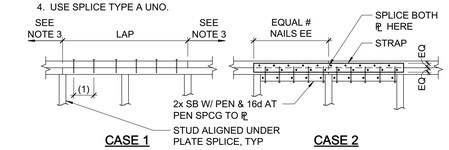
CEILING JOIST SCHEDULE			
MAX SPAN	JOIST SIZE	HANGER IF REQUIRED	LEDGER IF REQUIRED
9'-0"	2x4 @ 16"oc	LU24	2x4 W/ (2) 16d @ 16"oc
12'-6"	2x6 @ 16"oc	LU26	2x6 W/ (3) 16d @ 16"oc
14'-0"	2x8 @ 16"oc	LU28	2x8 W/ (4) 16d @ 16"oc
19'-0"	2x10 @ 16"oc	LU210	2x10 W/ (5) 16d @ 16"oc

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

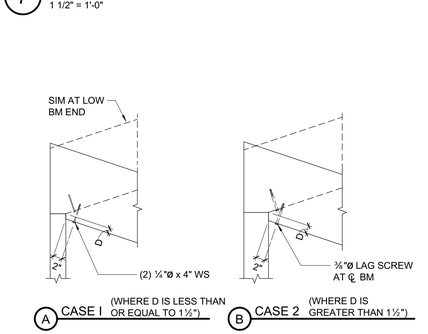
4 CEILING JOIST SCHEDULE
3/4" = 1'-0"

TOP PLATE SPLICE SCHEDULE		
MARK	LAP SPLICE (CASE 1)	STRAP SPLICE (CASE 2)
A	(12) 16d PER 4'-0" MIN LAP	MSTC28
B	(22) 16d PER 4'-0" MIN LAP	MSTC40
C	(26) 16d PER 6'-0" MIN LAP	MSTC52
D	(32) 16d PER 6'-0" MIN LAP	MSTC66
E	(36) 16d PER 8'-0" MIN LAP	MSTC28 EA SIDE
F	(44) 16d PER 8'-0" MIN LAP	MSTC40 EA SIDE
G	(50) 16d PER 10'-0" MIN LAP	MSTC52 EA SIDE

NOTES:
1. AT LAP SPLICES, SPACE NAILS @ 3"oc MIN (MAX 12"oc). STAGGER AT 2½" GAGE.
2. USE STRAP SPLICE WHERE BM INTERSECTS TOP ℄.
3. NAILS TO MATCH LAP SPLICE ES OF SPLICE (16d @ 12"oc MAX)
4. USE SPLICE TYPE A UNO.



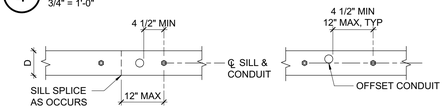
1 TOP PLATE SPLICE SCHEDULE AND DETAILS
3/4" = 1'-0"



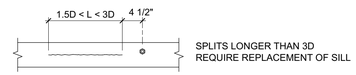
A CASE I (WHERE D IS LESS THAN OR EQUAL TO 1½")
B CASE 2 (WHERE D IS GREATER THAN 1½")

NOTES:
1. DO NOT OVERCUT NOTCHES OR SEAT CUTS.
2. D MAX = BEAM DEPTH/4 SEE OTHER DETAILS FOR ADDITIONAL NOTCH OR SEAT CUT SIZE INFORMATION.
3. MINIMUM LAG SCREW LENGTH = D + 2½".

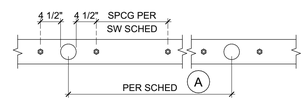
8 BEAM SEAT CUT/NOTCH REINFORCEMENT
3/4" = 1'-0"



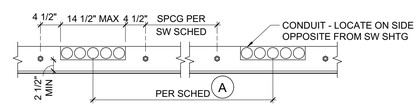
CASE 1 - SINGLE, CONDUIT DIAMETER ≤ D/3, MIN SPCG = 16"oc



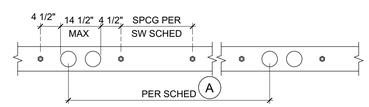
CASE 2 - SPLIT IN SILL



CASE 3 - SINGLE, CONDUIT DIAMETER > D/3



CASE 4 - NOTCH FOR CONDUIT



CASE 5 - MULTI CONDUIT, DIAMETER > D/3

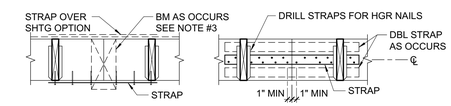
SCHEDULE A			
	CASE 3	CASE 4	CASE 5
SW A	48"	32"	48"
SW B	64"	48"	64"
SW C	80"	64"	N/A
SW D	N/A	N/A	N/A

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

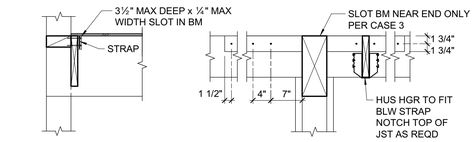
5 HOLES IN PLATES AT 2x6 SHEAR WALLS
3/4" = 1'-0"

LEDGER SPLICE SCHEDULE				
MARK	CASE	STRAP/PLATE	CASE	STRAP/PLATE
A	1	MSTA24	-	
B	1	MSTA30	-	
C	2	MSTI48	3	MSTI60
D	2	CMST14x5'-6"	3	CMST14x6'-0"
E	2	(2) MSTI48	4	℄ ¼" W/ (6) 1"ø MB ES OF SPLICE

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

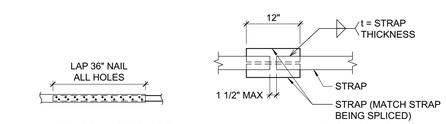


CASE 1 CASE 2

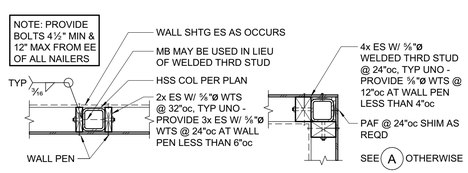


CASE 3 CASE 4

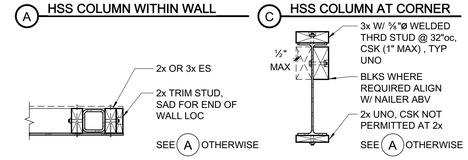
2 LEDGER OR RIM SPLICE SCHEDULE
3/4" = 1'-0"



NAILED LAP SPLICE ALTERNATE - WELDED LAP SPLICE



A HSS COLUMN WITHIN WALL
C HSS COLUMN AT CORNER

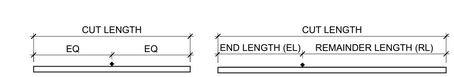


B HSS COLUMN AT END OF WALL (EDGE OF OPNG SIM)
D WIDE FLANGE NAILER (CHANNEL & HSS SIM)

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

TIE STRAP SCHEDULE						
MARK	STRAP	MIN. NAILING ES OF ◆	MAX. NAIL SPACING (SEE NOTES #1 & #2)			MIN. END LENGTH (EL)
			CASE 1	CASE 2		
				EL	RL	
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"
C	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 ◆ .



CASE 1 CASE 2

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

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

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

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

copyright © 2021

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
TYPICAL WOOD DETAILS

S103

12/17/2021 6:08:47 PM

C:\revit_local\21479_Kensington Public Safety Bldg_S21C_jamieSZNNN.rvt

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

CONTINUOUS FOOTING SCHEDULE				
MARK	'b'	'd'	REINF 'a'	NOTES
CF24			(3) #5 T&B	

FOUNDATION PLAN NOTES:

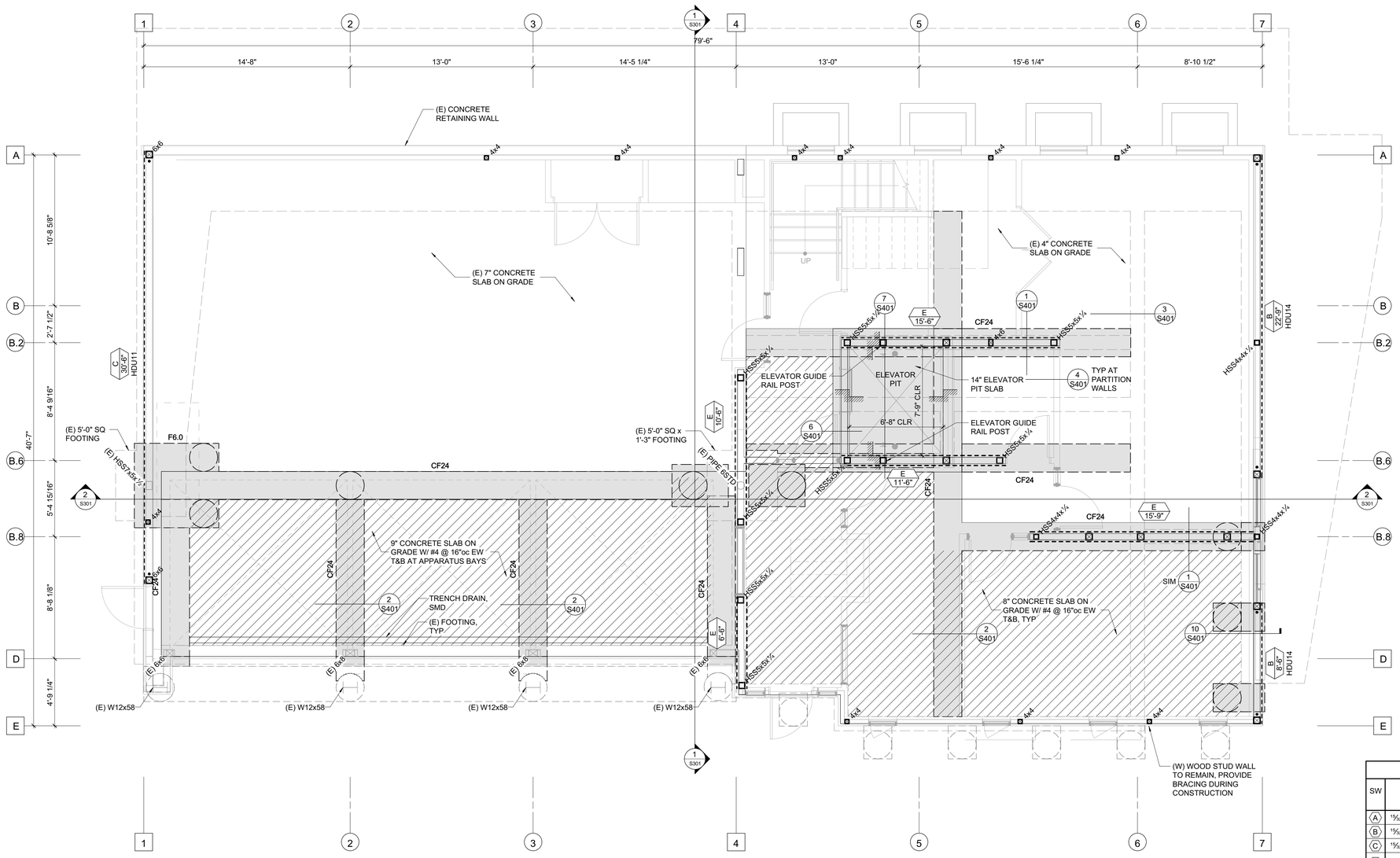
1. REFER TO SHEETS S0.1, S1.1, S1.2 AND S1.3 FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAIL SHEETS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
2. DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
3. SEE DETAILS OR CURB PLAN FOR CURB LOCATIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES. PROVIDE LONGER ANCHOR BOLTS AT CURBS PER C/S0.1.
4. ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS ON PLANS (INCLUDING WALLS ADJACENT TO SEISMIC GAPS) SHALL BE SHEATHED AS SHEAR WALL TYPE **'A'** PER SHEAR WALL SCHEDULE, UNO.
5. PLUMBING AND ELECTRICAL CONDUIT AND GROUND STRAP SHALL NOT BE LAID WITHIN FOUNDATIONS. NO UTILITY PIPES OR CONDUITS SHALL BE LOCATED THRU COLUMN FOOTINGS OR FRAME FOOTINGS. NO PIPES OR CONDUITS THRU SILL PLATES SHALL BE WITHIN 12" OF HOLDOWN BOLTS. NO MECHANICAL, ELECTRICAL, OR PLUMBING OPENINGS SHALL BE LOCATED IN SHEAR WALLS UNLESS SHOWN AND DETAILED ON THE STRUCTURAL DRAWINGS. NO VERTICAL OR HORIZONTAL PIPES OR CONDUITS SHALL BE LOCATED THROUGH STEEL FRAMES, STEEL COLUMNS, OR STEEL BASE PLATES. PROVIDE FURRING AND/OR THICKENED CONCRETE WHERE REQUIRED TO CLEAR UTILITY SYSTEMS. NOTIFY STRUCTURAL ENGINEER/ARCHITECT PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.

   PIPES THROUGH FOOTINGS SHALL BE PER 2/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/S102 AND 5/S103.
6. ELEVATION OF THE TOP OF FINISHED SLAB = 0'-0", UNLESS NOTED OTHERWISE.



NORTH

FOUNDATION PLAN

1/4" = 1'-0"

PLAN LEGEND		
SYMBOL	REFERENCE DETAIL	DESCRIPTION
	1/S102	INDICATES STRUCTURAL WALL.
A 10'-0"	7/S102 H/S001	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.
	E/S001	INDICATES WOOD POST.
•	8/S102	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
	6/S103	INDICATES STEEL COLUMN.
		INDICATES FOUNDATION.
CF24		INDICATES CONTINUOUS FOOTING SIZE AND REINFORCING PER SCHEDULE.
F2.0		INDICATES PAD FOOTING SIZE AND REINFORCING PER SCHEDULE.
		INDICATES STEP IN ELEVATION, SEE ARCHITECTURAL DRAWINGS.
88		INDICATES GRIDLINE AT FACE OF SHEATHING.
88		INDICATES GRIDLINE AT CENTERLINE OF COLUMN.
1 S3.1		INDICATES ELEVATION.
		INDICATES EXISTING FOUNDATION.
		INDICATES EXISTING FRAMING.
		HATCHED REGION INDICATES NEW SLAB ON GRADE.
	5/S401	INDICATES 24"ø x 16'-0" MIN DRILLED CONCRETE PIER.
		INDICATES EXISTING CONCRETE PIER TO REMAIN.

SHEAR WALL SCHEDULE								
SW	APA RATED SHEATHING	NAILING (PEN)	ANCHORAGE					REMARKS
			⅝"ø BOLT FDN		AT FRAMING			
			2x SILL	3x SILL	16d	A35	SDS *	
A	15/32" (32/16) EXP 1	10d @ 6"oc	32"oc	48"oc	6"oc	24"oc	16"oc	
B	15/32" (32/16) EXP 1	10d @ 4"oc	24"oc	32"oc	4"oc	16"oc	10"oc	3x MIN AT ALL ADJOINING PANEL EDGES
C	15/32" (32/16) EXP 1	10d @ 3"oc	16"oc	24"oc	3"oc	8"oc	8"oc	
D	15/32" (32/16) STRUC 1	10d @ 2"oc	-	16"oc	(2) ROWS @ 4"oc	8"oc	6"oc	
E	15/32" (32/16) STRUC 1 **BOTH SIDES**	10d @ 2"oc	-	12"oc	(2) ROWS @ 2"oc	6"oc	(2) ROWS @ 6"oc	

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

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

copyright © 2021

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

FOUNDATION PLAN

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

S201

C:\revit_local\21479_Kensington Public Safety Bldg_S21C_jamieb$ZNNN.rvt

12/17/2021 6:08:48 PM

LEDGER SPLICE SCHEDULE				
MARK	CASE	STRAP/PLATE	CASE	STRAP/PLATE
A	1	MSTA24	-	
B	1	MSTA30	-	
C	2	MSTI48	3	MSTI60
D	2	CMST14x5'-6"	3	CMST14x6'-0"
E	2	(2) MSTI48	4	₽ ¼" W/ (6) 1"ø MB ES OF SPLICE

TOP PLATE SPLICE SCHEDULE		
MARK	LAP SPLICE (CASE 1)	STRAP SPLICE (CASE 2)
A	(12) 16d PER 4'-0" MIN LAP	MSTC28
B	(22) 16d PER 4'-0" MIN LAP	MSTC40
C	(26) 16d PER 6'-0" MIN LAP	MSTC52
D	(32) 16d PER 6'-0" MIN LAP	MSTC66
E	(36) 16d PER 8'-0" MIN LAP	MSTC28 EA SIDE
F	(44) 16d PER 8'-0" MIN LAP	MSTC40 EA SIDE
G	(50) 16d PER 10'-0" MIN LAP	MSTC52 EA SIDE

TIE STRAP SCHEDULE						
MARK	STRAP	MIN. NAILING ES OF ◆	MAX. NAIL SPACING (SEE NOTES #1 & #2)			MIN. END LENGTH (EL)
			CASE 1	CASE 2		
				EL	RL	
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"
C	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"

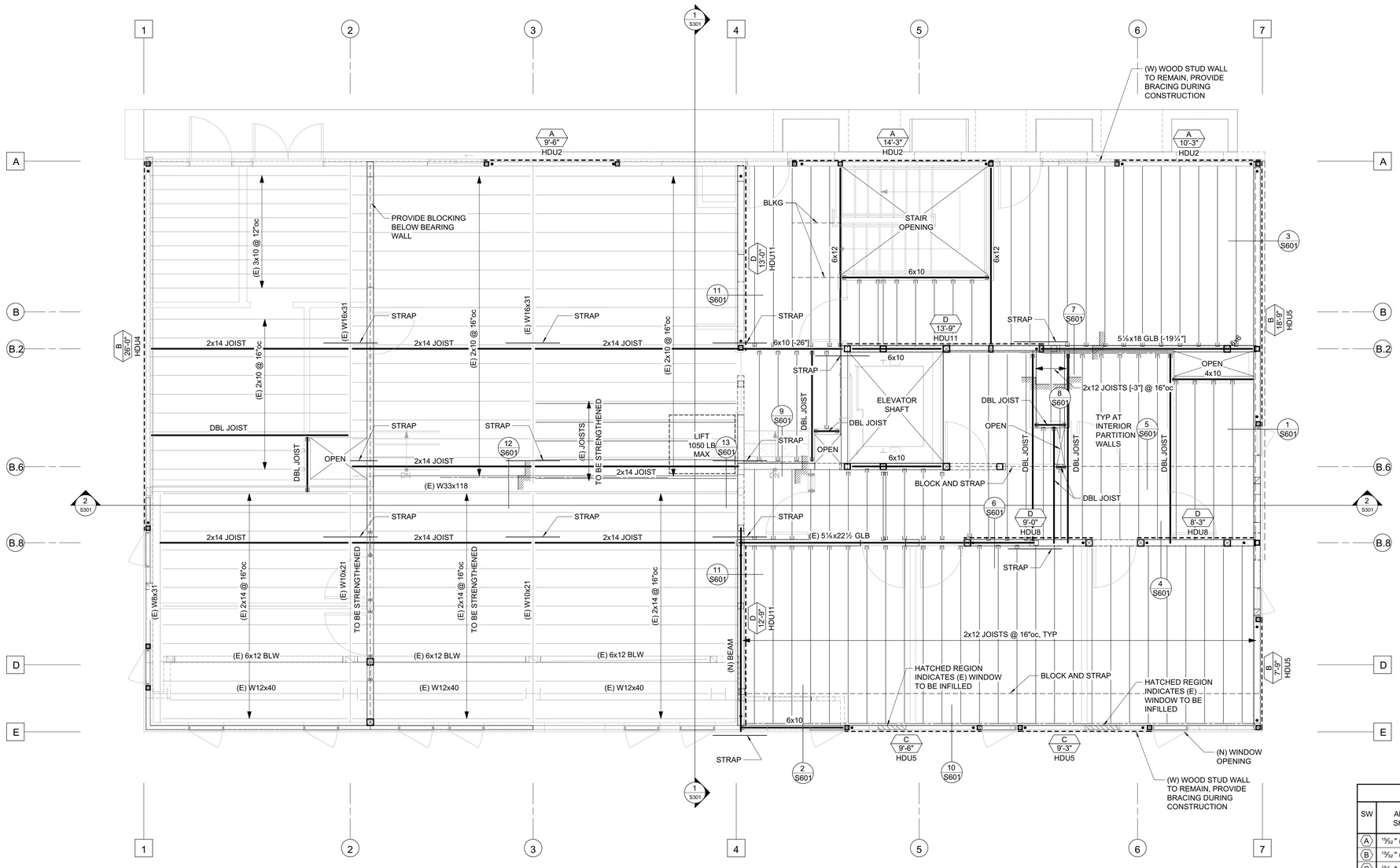
1. CASE 1 APPLIES UNLESS END LENGTH (EL) IS NOTED ON PLANS. WHERE END LENGTH (EL) IS NOTED, SEE CASE 2.
2. AS REQUIRED, PROVIDE CLOSER NAIL SPACING TO MEET MINIMUM NAILING EACH SIDE OF ◆.

FRAMING PLAN NOTES:

1. REFER TO SHEETS S0.1, S1.2 AND S1.3 FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAIL SHEETS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
2. DIMENSIONS ARE TO FACE OF SHEATHING UNLESS NOTED OTHERWISE. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
3. MECHANICAL, ELECTRICAL AND PLUMBING PENETRATIONS THROUGH WALLS, ROOFS OR FLOORS SHALL BE PER REFERENCES BELOW UNLESS SHOWN AND DETAILED OTHERWISE ON THE STRUCTURAL PLANS. NOTIFY ARCHITECT/ENGINEER PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.

   PENETRATIONS THROUGH SHEAR WALLS SHALL BE PER 6/S102

   PENETRATIONS THROUGH FLOORS/ROOFS SHALL BE PER 5/S102
4. ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS ON PLANS (INCLUDING WALLS ADJACENT TO SEISMIC GAPS) SHALL BE SHEATHED AS SHEAR WALL TYPE 'A' PER SHEAR WALL SCHEDULE, UNLESS NOTED OTHERWISE.
5. ELEVATIONS ON PLANS AND DETAILS "◆" ARE TO HEIGHTS ABOVE FINISHED GROUND FLOOR ELEVATION REFERENCE 0'-0". COORDINATE TOP OF FRAMING AND LEDGER HEIGHTS AS REQUIRED TO PROVIDE ROOF SLOPES AS SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.



SECOND FLOOR FRAMING PLAN

1/4" = 1'-0"

PLAN LEGEND		
SYMBOL	REFERENCE DETAIL	DESCRIPTION
	1/S102	INDICATES STRUCTURAL WALL.
	1/S102	INDICATES STRUCTURAL WALL ABOVE.
A 10'-0"	7/S102 H/S001	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.
	E/S001	INDICATES WOOD POST.
◆	8/S102	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
	6/S103	INDICATES STEEL COLUMN.
3⅛x12 GLB C=1"	E/S001	INDICATES GLULAM BEAM SIZE AND CAMBER. WHERE NO CAMBER IS SPECIFIED SEE WOOD FRAMING NOTES FOR TYPICAL GLULAM BEAM CAMBER.
	11/S102	INDICATES PANEL EDGE NAILING ALONG FULL LENGTH OF MEMBER.
	E/S001	INDICATES HANGER.
		INDICATES LEDGER. SEE PLAN FOR SIZE AND ANCHORAGE.
88		INDICATES GRIDLINE AT FACE OF SHEATHING.
88		INDICATES GRIDLINE AT CENTERLINE OF COLUMN.
1 S3.1		INDICATES ELEVATION.
MU 1,000#	7/S103	INDICATES APPROXIMATE LOCATION, SIZE AND MAXIMUM WEIGHT OF MECHANICAL UNIT. SEE MECHANICAL DRAWINGS FOR ANCHORAGE AND ADDITIONAL INFORMATION.
		INDICATES STEP IN ELEVATION, SEE ARCHITECTURAL DRAWINGS.
		INDICATES EXISTING FRAMING.
STRAP	60-01-17	INDICATES POST WITH VERTICAL STRAP. POSTS WITH STRAP ARE FULL HEIGHT FROM SILL TO TOP PLATE.
A	1/S103	INDICATES TOP PLATE SPLICE. SPLICE TYPE SHALL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL, UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS.
A	2/S103	INDICATES LEDGER/RIM SPLICE. SPLICE TYPE SHALL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL, UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS.
A 4'-0"	3/S103	INDICATES TIE STRAP. SEE SCHEDULE FOR STRAP, NAILING AND LENGTH.

SHEAR WALL SCHEDULE								
SW	APA RATED SHEATHING	NAILING (PEN)	ANCHORAGE					REMARKS
			¾"Ø BOLT FDN		AT FRAMING			
			2x SILL	3x SILL	16d	A35	SDS *	
A	15/32" (32/16) EXP 1	10d @ 6"oc	32"oc	48"oc	6"oc	24"oc	16"oc	
B	15/32" (32/16) EXP 1	10d @ 4"oc	24"oc	32"oc	4"oc	16"oc	10"oc	3x MIN AT ALL ADJOINING PANEL EDGES
C	15/32" (32/16) EXP 1	10d @ 3"oc	16"oc	24"oc	3"oc	8"oc	8"oc	
D	15/32" (32/16) STRUC 1	10d @ 2"oc	-	16"oc	(2) ROWS @ 4"oc	8"oc	6"oc	
E	15/32" (32/16) STRUC 1 BOTH SIDES	10d @ 2"oc	-	12"oc	(2) ROWS @ 2"oc	6"oc	(2) ROWS @ 6"oc	

* 2x SILL: SDS ¼x4½". 3x SILL: SDS ¼x6". FOR SDS @ 6"oc OR LESS, PROVIDE 4x BLKG BLW.

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

copyright © 2021

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

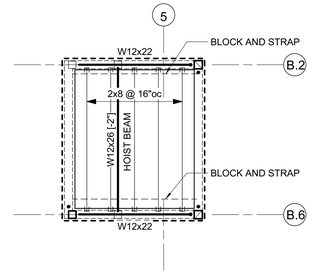
SECOND FLOOR FRAMING PLAN

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

S202

C:\revit_local\21479_Kensington Public Safety Bldg_S21C_jamieSZNNN.rvt

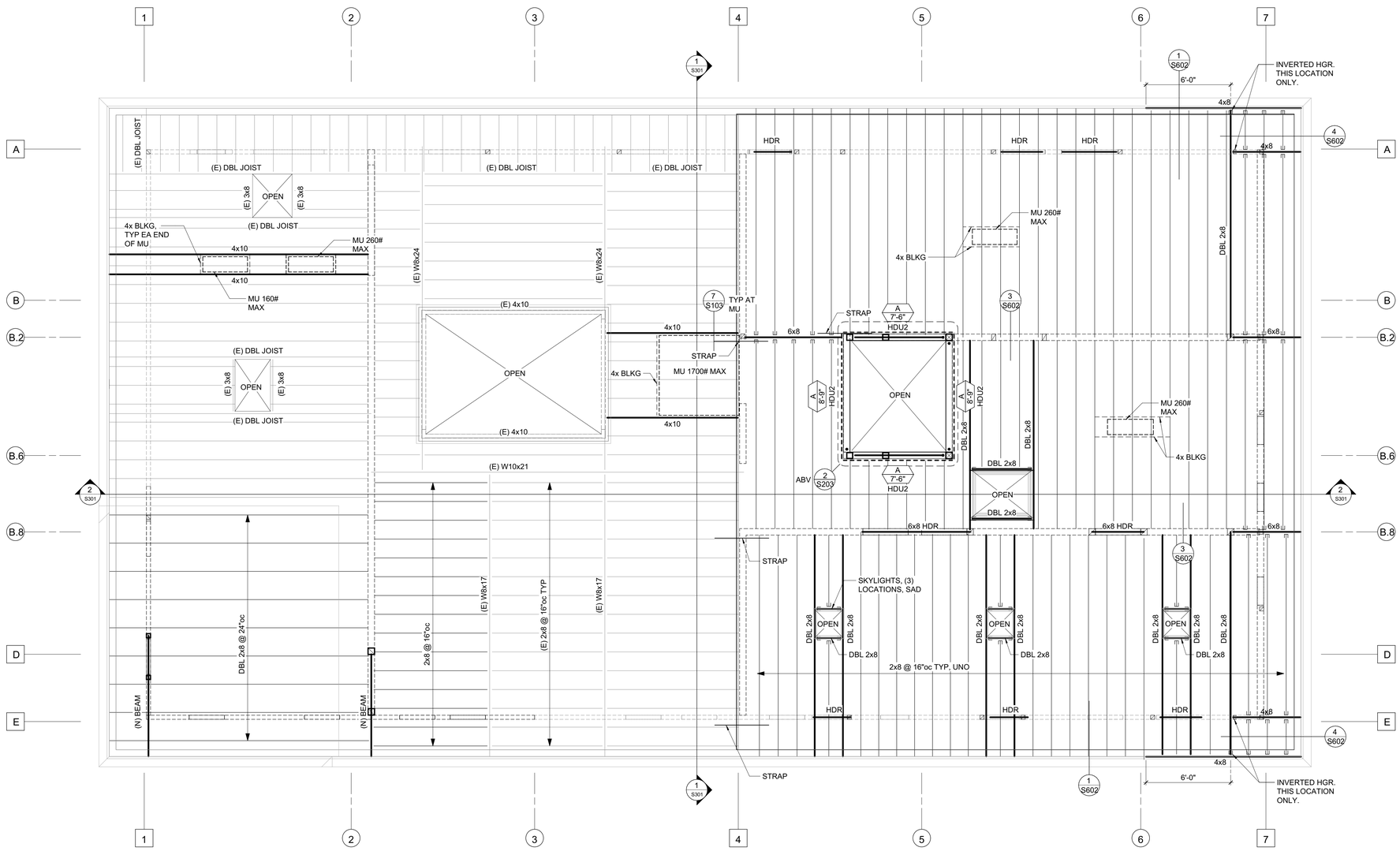
12/17/2021 6:08:48 PM



NORTH

2 HIGH ROOF FRAMING PLAN

1/4" = 1'-0"



NORTH

1 ROOF FRAMING PLAN

1/4" = 1'-0"

FRAMING PLAN NOTES:

1. REFER TO SHEETS S0.1, S1.2 AND S1.3 FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAIL SHEETS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
2. DIMENSIONS ARE TO FACE OF SHEATHING UNLESS NOTED OTHERWISE. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
3. MECHANICAL, ELECTRICAL AND PLUMBING PENETRATIONS THROUGH WALLS, ROOFS OR FLOORS SHALL BE PER REFERENCES BELOW UNLESS SHOWN AND DETAILED OTHERWISE ON THE STRUCTURAL PLANS. NOTIFY ARCHITECT/ENGINEER PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.

   PENETRATIONS THROUGH SHEAR WALLS SHALL BE PER 6/S102

   PENETRATIONS THROUGH FLOORS/ROOFS SHALL BE PER 5/S102
4. ALL EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALLS ON PLANS (INCLUDING WALLS ADJACENT TO SEISMIC GAPS) SHALL BE SHEATHED AS SHEAR WALL TYPE 'A' PER SHEAR WALL SCHEDULE, UNLESS NOTED OTHERWISE.
5. ELEVATIONS ON PLANS AND DETAILS "4" ARE TO HEIGHTS ABOVE FINISHED GROUND FLOOR ELEVATION REFERENCE 0'-0". COORDINATE TOP OF FRAMING AND LEDGER HEIGHTS AS REQUIRED TO PROVIDE ROOF SLOPES AS SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.

PLAN LEGEND

SYMBOL	REFERENCE DETAIL	DESCRIPTION
	1/S102	INDICATES STRUCTURAL WALL.
	1/S102	INDICATES STRUCTURAL WALL ABOVE.
A 10'-0"	7/S102 H/S001	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE.
	E/S001	INDICATES WOOD POST.
	8/S102	INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
	6/S103	INDICATES STEEL COLUMN.
3⅛x12 GLB C=1"	E/S001	INDICATES GLULAM BEAM SIZE AND CAMBER. WHERE NO CAMBER IS SPECIFIED SEE WOOD FRAMING NOTES FOR TYPICAL GLULAM BEAM CAMBER.
	11/S102	INDICATES PANEL EDGE NAILING ALONG FULL LENGTH OF MEMBER.
	E/S001	INDICATES HANGER.
		INDICATES LEDGER. SEE PLAN FOR SIZE AND ANCHORAGE.
88		INDICATES GRIDLINE AT FACE OF SHEATHING.
88		INDICATES GRIDLINE AT CENTERLINE OF COLUMN.
1 S3.1		INDICATES ELEVATION.
MU 1,000#	7/S103	INDICATES APPROXIMATE LOCATION, SIZE AND MAXIMUM WEIGHT OF MECHANICAL UNIT. SEE MECHANICAL DRAWINGS FOR ANCHORAGE AND ADDITIONAL INFORMATION.
		INDICATES STEP IN ELEVATION, SEE ARCHITECTURAL DRAWINGS.
		INDICATES EXISTING FRAMING.
STRAP	60-01-17	INDICATES POST WITH VERTICAL STRAP. POSTS WITH STRAP ARE FULL HEIGHT FROM SILL TO TOP PLATE.
A	1/S103	INDICATES TOP PLATE SPLICE. SPLICE TYPE SHALL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL, UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS.
A	2/S103	INDICATES LEDGER/RIM SPLICE. SPLICE TYPE SHALL OCCUR ALONG THE ENTIRE LENGTH OF THE WALL, UNO. PROVIDE SPLICE TYPE 'A' IF NOT NOTED ON PLANS.
A 4'-0"	3/S103	INDICATES TIE STRAP. SEE SCHEDULE FOR STRAP, NAILING AND LENGTH.

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

copyright © 2021

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

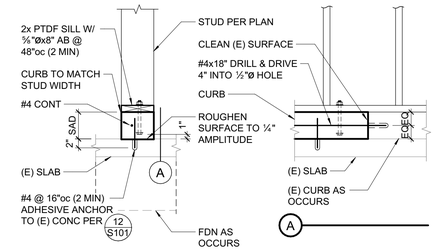
ROOF FRAMING PLAN

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

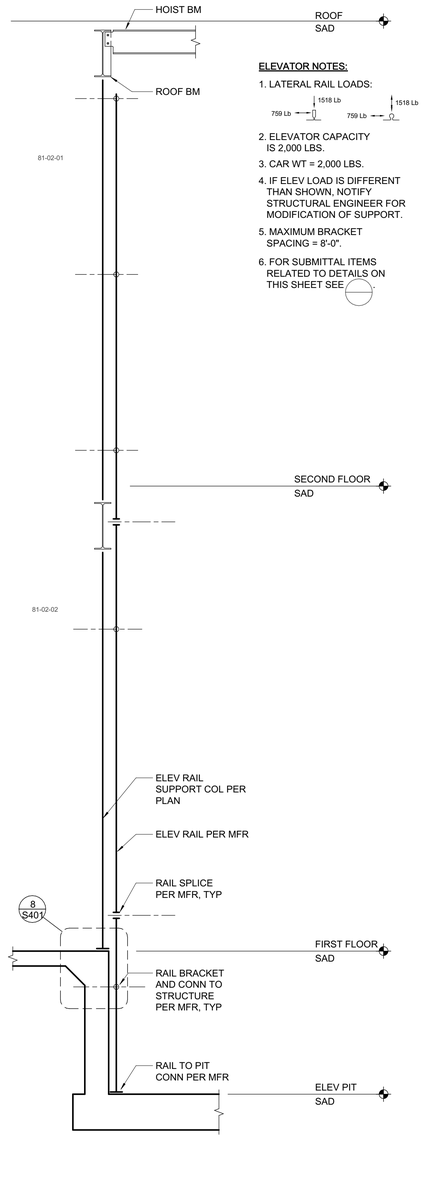
S203

C:\revit_local\21479_Kensington Public Safety Bldg_S21C_jamieSZNNN.rvt

12/17/2021 6:08:49 PM

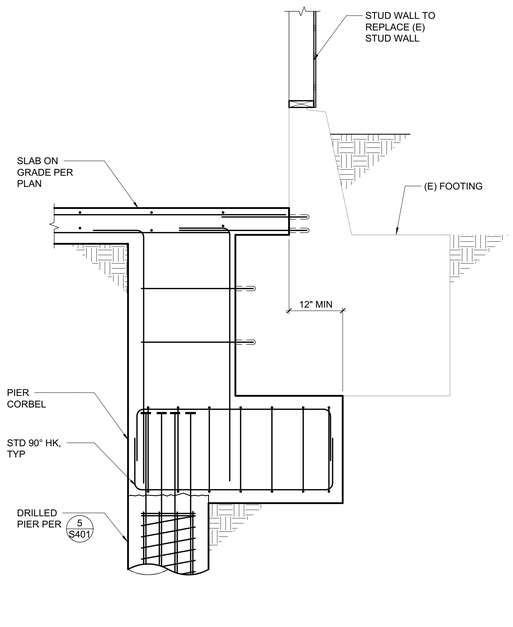


9 NEW CURB AT EXISTING SLAB
3/4" = 1'-0"



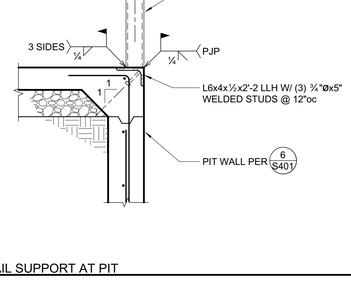
ELEVATOR NOTES:

1. LATERAL RAIL LOADS:
   759 Lb, 1518 Lb; 759 Lb, 1518 Lb
2. ELEVATOR CAPACITY IS 2,000 LBS.
3. CAR WT = 2,000 LBS.
4. IF ELEV LOAD IS DIFFERENT THAN SHOWN, NOTIFY STRUCTURAL ENGINEER FOR MODIFICATION OF SUPPORT.
5. MAXIMUM BRACKET SPACING = 8'-0".
6. FOR SUBMITTAL ITEMS RELATED TO DETAILS ON THIS SHEET SEE .

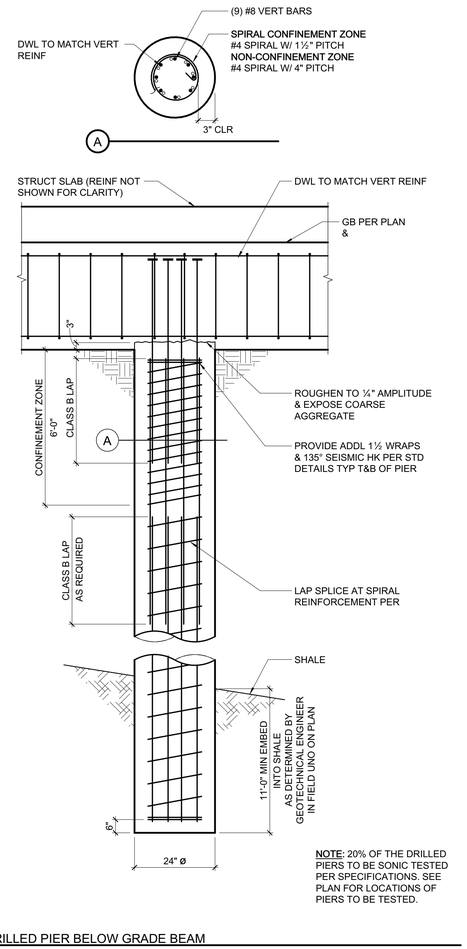


10 DRILLED PIER BELOW EXISTING GRADE BEAM
3/4" = 1'-0"

7 ELEVATOR RAIL
1/4" = 1'-0"

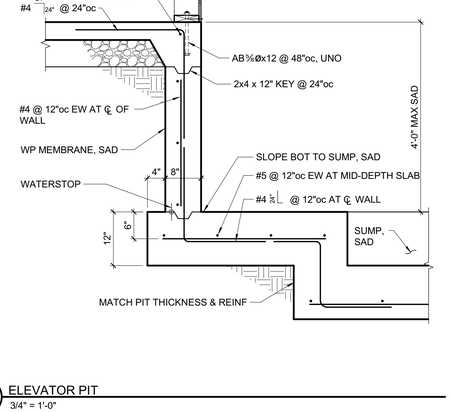


8 ELEVATOR RAIL SUPPORT AT PIT
3/4" = 1'-0"

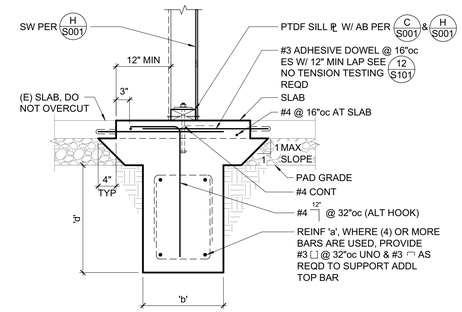


NOTE: 20% OF THE DRILLED PIERS TO BE SONIC TESTED PER SPECIFICATIONS. SEE PLAN FOR LOCATIONS OF PIERS TO BE TESTED.

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

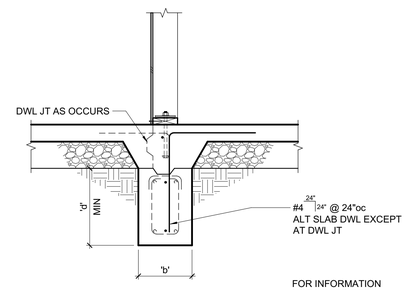


6 ELEVATOR PIT
3/4" = 1'-0"



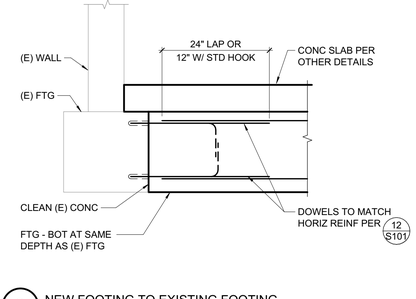
CONTINUOUS FOOTING SCHEDULE				
MARK	'b'	'd'	REINF 'a'	NOTES
CF24			(3) #5 T&B	

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

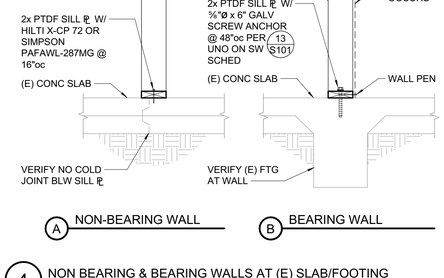


FOR INFORMATION NOT NOTED SEE

2 INTERIOR FOOTING AT SHEAR WALL
3/4" = 1'-0"



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



A NON-BEARING WALL
B BEARING WALL

4 NON BEARING & BEARING WALLS AT (E) SLAB/FOOTING
3/4" = 1'-0"

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

copyright © 2021

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

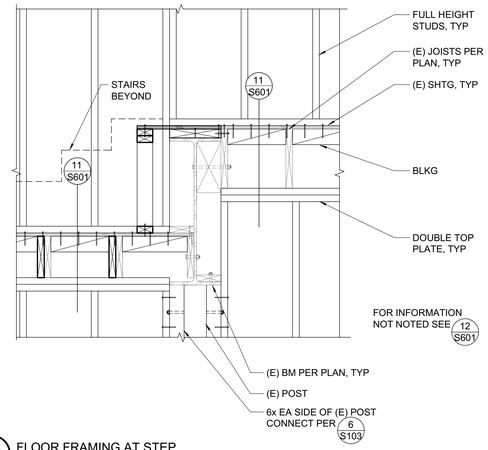
FOUNDATION DETAILS

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

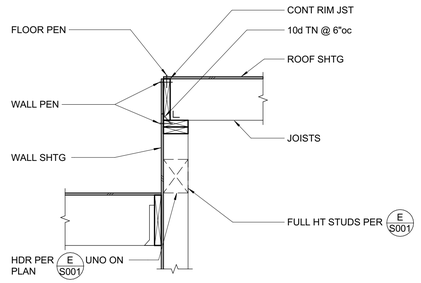
S401

C:\revit_local\21479_Kensington Public Safety Bldg_S21C_jamieb$ZNNN.rvt

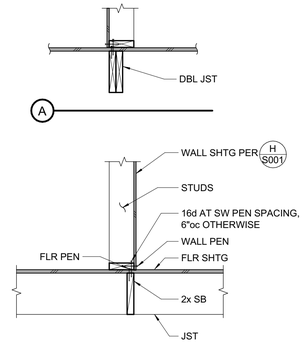
12/17/2021 6:08:49 PM



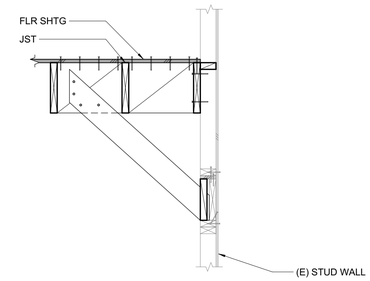
13 FLOOR FRAMING AT STEP
3/4" = 1'-0"



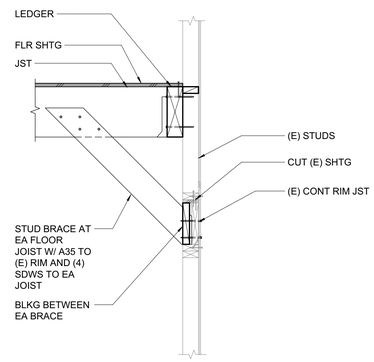
9 FLOOR FRAMING AT STEP
3/4" = 1'-0"



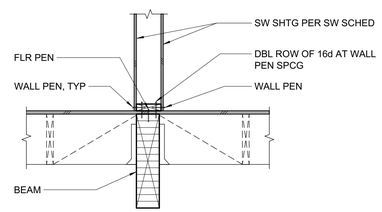
5 INTERIOR WALL AT FLOOR FRAMING
3/4" = 1'-0"



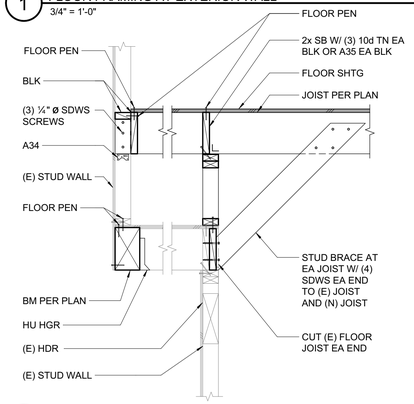
1 FLOOR FRAMING AT EXTERIOR WALL
3/4" = 1'-0"



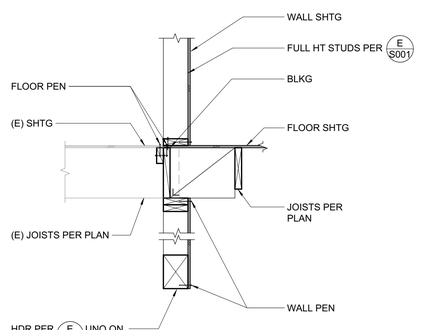
10 FLOOR FRAMING AT EXTERIOR WALL
3/4" = 1'-0"



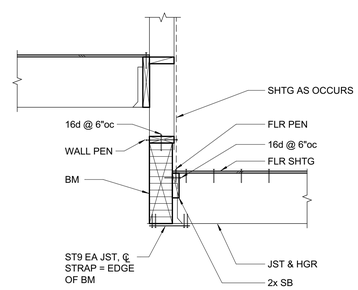
6 SHEAR WALL AT BEAM
3/4" = 1'-0"



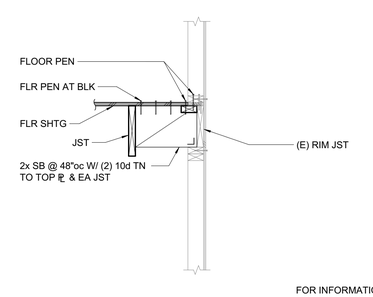
2 CANTILEVERED FLOOR FRAMING
3/4" = 1'-0"



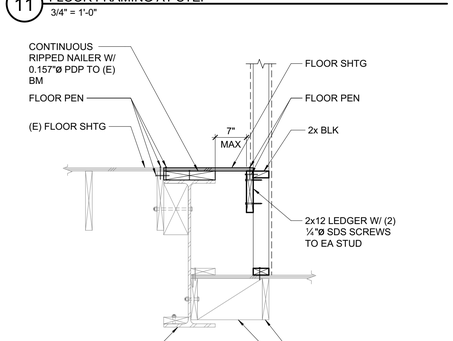
11 FLOOR FRAMING AT STEP
3/4" = 1'-0"



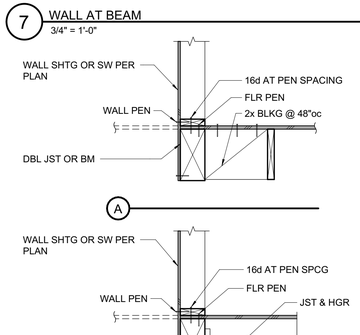
7 WALL AT BEAM
3/4" = 1'-0"



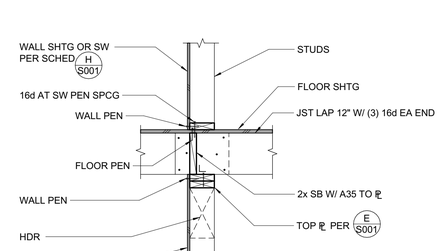
3 PARALLEL FLOOR FRAMING AT EXTERIOR WALL
3/4" = 1'-0"



12 FLOOR FRAMING AT STEP
3/4" = 1'-0"



8 INTERIOR WALL AT FLOOR FRAMING
3/4" = 1'-0"



4 INTERIOR BEARING WALL
3/4" = 1'-0"

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

copyright © 2021

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
21479 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION

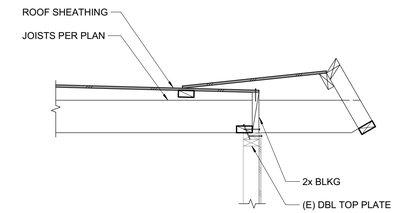
SECOND FLOOR DETAILS

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

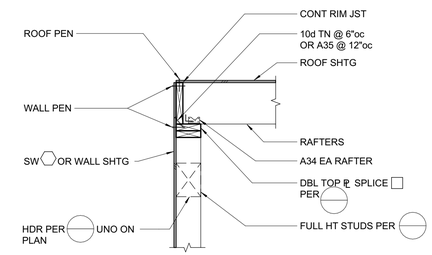
S601

12/17/2021 6:08:49 PM

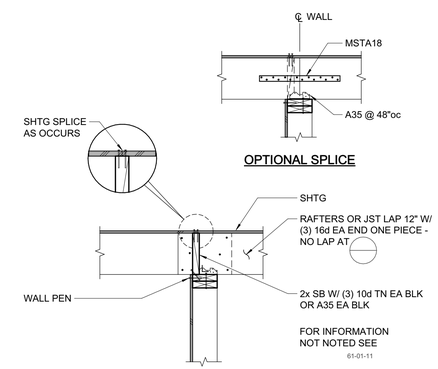
C:\revit_local\21479_Kensington Public Safety Bldg_S21C_jamieSZNNN.rvt



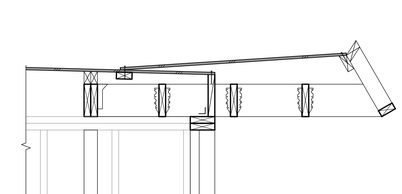
1 ROOF EAVE
3/4" = 1'-0"



2 PERPENDICULAR FRAMING AT EXTERIOR WALL
3/4" = 1'-0"



3 INTERIOR SHEAR WALL
3/4" = 1'-0"



4 ROOF OVERHANG FRAMING
3/4" = 1'-0"

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

C:\revit_local\21479_Kensington Public Safety Bldg_S21C_jamiesSZNNN.rvt

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

copyright © 2021

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

NO.	DESCRIPTION	DATE
1	PRELIMINARY SCHEMATIC PRICING SET	9/27/2021
3	50% DESIGN DEVELOPMENT	11/19/2021
4	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
21479 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION

ROOF DETAILS

S602

12/17/2021 6:08:50 PM

LOUVER SCHEDULE

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

SYMBOLS & ABBREVIATIONS (MECHANICAL)

BT	BYPASS TIMER
℄	CENTER LINE
CD	CONDENSATE DRAIN
Ø	DIAMETER
	EXHAUST, RETURN, SUPPLY AIR DUCT (EXISTING)
	EXHAUST, RETURN, SUPPLY AIR DUCT (NEW)
	EXTENT OF DEMOLITION
	EXHAUST DUCT UP, DOWN, PENE & DEMO
	FIRE/SMOKE DAMPER
	FIRE DAMPER
	POINT OF CONNECTION
	P/T PLUG
	RETURN OR EXHAUST AIR
	RETURN DUCT UP, DOWN, PENE & DEMO
$	SPEED CONTROL SWITCH
X	SPIN-IN EXTRACTOR/DAMPER
	SUPPLY DUCT UP, DOWN, PENE & DEMO
	SUPPLY OR OUTSIDE AIR
T	THERMOSTAT at + 48"
X X X	TO BE REMOVED
	TRANSFER AIR
	TURNING VANES
	VOLUME DAMPER

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

GENERAL MECHANICAL NOTES

1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA MECHANICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA BUILDING CODE, NATIONAL FIRE PROTECTION CODES, AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING THE 2019 CALIFORNIA ENERGY CONSERVATION STANDARDS OF TITLE 24.
2. LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES ARE DETAILED ON THE ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM ELEVATIONS.
3. LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT SUPPORTS ARE DETAILED ON THE STRUCTURAL AND ARCHITECTURAL PLANS.
4. PLATFORMS, CURBS AND FLASHING FOR EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS. COORDINATE THE EXACT SIZES OF REQUIRED OPENINGS AND SUPPORT FOR THE FURNISHED EQUIPMENT.
5. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
6. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH THE APPLICABLE SMACNA STANDARDS.
7. DUCTWORK SHALL BE INSULATED WITH 2" FIBERGLASS INSULATION AND ALL SERVICE JACKET. PROVIDE 1" ACOUSTICAL LINER WHERE SHOWN ON PLANS. DUCT DIMENSIONS ON PLANS ARE NET CLEAR INTERIOR.
8. MANUAL DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES AND REGISTERS.
9. ALL EQUIPMENT, DUCTS, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
10. PIPES AND DUCTWORK SHALL BE SUPPORTED AND BRACED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS."
11. EXPOSED PIPING ALLOWED ONLY WHERE INDICATED. PROVIDE ESCUTCHEONS IN FINISHED AREAS.
12. PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR EQUIPMENT PROVIDED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EQUIPMENT.
13. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED BY AN APPROVED MATERIAL AS PRESCRIBED IN CBC SECTION 714.
14. REFER TO STRUCTURAL DRAWING FOR LOCATIONS OF BEAMS, SHEAR WALLS AND MEMBERS. ALL DRILLING OF STRUCTURAL BEAMS AND MEMBERS TO BE COORDINATED WITH THE STRUCTURAL ENGINEER. ALL HOLES SHALL BE MINIMUM SIZE AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO DRILLING.
15. FIELD VERIFY LOCATION AND SIZE OF ALL EXISTING PIPING, DUCTWORK AND EQUIPMENT PRIOR TO FABRICATION OF ANY NEW WORK.
16. STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36. BOLTS SHALL CONFORM TO ASTM A-307. FABRICATION, ERECTION, WELDING AND PAINTING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS. ALL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED.
17. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE HOSPITAL IN ACCORDANCE WITH THE 2010 EDITION OF THE TITLE 24 CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24 CCR, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
18. ATTACHMENTS OF EQUIPMENT WEIGHING LESS THAN 400 LBS. AND SUPPORTED DIRECTLY FROM THE FLOOR OR ROOF STRUCTURE, FURNITURE OR TEMPORARY OR MOVEABLE EQUIPMENT WEIGHING LESS THAN 20 LBS. THAT IS SUPPORTED BY VIBRATION ISOLATOR DEVICES SUSPENDED FROM THE ROOF, WALL OR FLOOR NEED NOT BE DETAILED ON THE PLANS (CCR TITLE 24, PART 2, SECTION 7.125 EXCEPTION). HOWEVER, SUCH EQUIPMENT MUST BE SUPPORTED AND ANCHORED TO RESIST THE FORCES PRESCRIBED PER ASCE-7, CHAPTER 13 AS MODIFIED BY CBC 1613/1615 AND THE ANCHORAGE SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND OSHPD. THE INSPECTOR OF RECORD SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.
19. ROOFTOP UNIT ANCHORAGE: PROVIDE 3/8" DIA. EYEBOLTS THROUGH ROOFCURB WITH 1/8" DIA. STAINLESS STEEL AIRCRAFT CABLE LOOPS THROUGH RTU LIFTING LUGS. PROVIDE 1/8" SLACK IN LOOP. MIN. 4 PER UNIT.
20. DUCTWORK VISIBLE THROUGH DIFFUSERS AND REGISTERS SHALL BE PAINTED FLAT BLACK.
21. INSULATION MATERIAL SHALL MEET THE STATE QUALITY STANDARD PER SECTION 120.4 OF THE 2019 CALIFORNIA ENERGY CODE (CEC).
22. DOORS AND WINDOWS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 118 CEC.
23. ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTION 120.3 AND TABLE 120.3-A.
24. ALL HVAC SYSTEMS SHALL MEET THE CONTROL REQUIREMENTS PER SECTIONS 112 AND 122 CEC.
25. ALL HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE REQUIREMENTS OF SECTIONS 111-113, 115, AND 120-129 CEC.
26. MC SHALL PROVIDE CONCRETE INSERTS FOR HANGING EQUIPMENT, COORD. W. GC.

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

REGISTERED PROFESSIONAL ENGINEER
ROBERT W. BLUE
No. 23[illegible]
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

DESCRIPTION

MECHANICAL TITLE SHEET

M001

VRF OUTDOOR UNIT SCHEDULE

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

NOTES:

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

VRF INDOOR UNIT/ BRANCH CONTROLLER SCHEDULE

MARK	DESCRIPTION	AREA SERVES	DCV	NOMINAL	CAPACITY (BTUH)		CFM	SA TEMP	OSA	ESP	ELECTRICAL			CONTROL	SOUND	WEIGHT	SIZE	PART	MFG	REMARKS
				TONS	CLG S / T	HEATING		CLG. DB / HTG	CFM	(IN)	MCA	MOCP	V/PH		dBA	(LBS)	(IN)	NO.		
IU-1	4-WAY CASSETTE (2x2)	LOBBY			5,500	6,100	265				0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	CONNECT TO BC-1, 1., 2.
IU-2	4-WAY CASSETTE (2x2)	STAFF			5,500	6,100	265				0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	CONNECT TO BC-1, 1., 2.
IU-3	4-WAY CASSETTE (3x3)	ADMINISTRATION			7,500	8,500	459				0.71	15	230/1	THERMOSTAT	29	66.6	33-1/16" x 33-1/16" x 9-11/16"	ARNU073TNA4	LG	CONNECT TO BC-1, 1., 2.
IU-4	4-WAY CASSETTE (3x3)	MEETING			9,600	10,900	477				0.71	15	230/1	THERMOSTAT	29	66.6	33-1/16" x 33-1/16" x 9-11/16"	ARNU093TNA4	LG	CONNECT TO BC-1, 1., 2.
IU-5	WALL MOUNT	MEETING			12,300	13,600	300				0.31	15	230/1	THERMOSTAT	37	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU123SJR4	LG	CONNECT TO BC-1, 2.
IU-6	4-WAY CASSETTE (2x2)	HALL 1			5,500	6,100	265				0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	CONNECT TO BC-1, 1., 2.
IU-7	4-WAY CASSETTE (2x2)	HALL 2			5,500	6,100	265				0.25	15	230/1	THERMOSTAT	29	36	22-7/16" x 22-7/16" x 8-7/16"	ARNU053TRD4	LG	CONNECT TO BC-1, 1., 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	CONNECT TO BC-2, 2.
IU-9	WALL MOUNT	DORM 2			5,500	6,100	240				0.31	15	230/1	THERMOSTAT	30	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU053SJR4	LG	CONNECT TO BC-2, 2.
IU-10	WALL MOUNT	DORM 3			5,500	6,100	240				0.31	15	230/1	THERMOSTAT	30	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU053SJR4	LG	CONNECT TO BC-2, 2.
IU-11	WALL MOUNT	HALL 3			15,400	17,100	371				0.31	15	230/1	THERMOSTAT	42	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU153SJR4	LG	CONNECT TO BC-2, 2.
IU-12	WALL MOUNT	EXERCISE			15,400	17,100	371				0.31	15	230/1	THERMOSTAT	42	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU153SJR4	LG	CONNECT TO BC-2, 2.
IU-13	WALL MOUNT	DAYROOM			7,500	8,500	254				0.31	15	230/1	THERMOSTAT	32	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU073SJR4	LG	CONNECT TO BC-3, 2.
IU-14	WALL MOUNT	DAYROOM			7,500	8,500	254				0.31	15	230/1	THERMOSTAT	32	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU073SJR4	LG	CONNECT TO BC-3, 2.
IU-15	WALL MOUNT	CAPTAIN'S OFFICE			5,500	6,100	240				0.31	15	230/1	THERMOSTAT	30	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU053SJR4	LG	CONNECT TO BC-3, 2.
IU-16	WALL MOUNT	OFFICE 1			5,500	6,100	240				0.31	15	230/1	THERMOSTAT	30	20.2	32-5/16" x 12-1/8 x 7-9/16"	ARNU053SJR4	LG	CONNECT TO BC-3, 2.
IU-17	HIGH STATIC DUCTED	KITCHEN			36,200	40,600	1,730			0.70	6.50	15	230/1	THERMOSTAT	46	192	61-1/2" x 27-1/8" x 18-1/8"	ARNU363B8A4	LG	CONNECT TO BC-3, 2., 3., 4.
IU-18	WALL MOUNT	IT/ELEC			24,200	25,600	537				0.65	15	230/1	THERMOSTAT	46	29.5	39-5/16" x 13-9/16" x 3-3/8"	ARNU243SKR4	LG	CONNECT TO OU-4, 2.
					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 MERV 13 FILTER BOX TO INLET SIDE. PROVIDE FLEXIBLE CONNECTIONS TO AIR DUCTS.

ENERGY RECOVERY VENTILATOR

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

NOTES:

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

INFRARED RADIANT HEATER

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

NOTES:

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

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

REGISTERED PROFESSIONAL ENGINEER
ROBERT E. BLUE
No. 23422
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

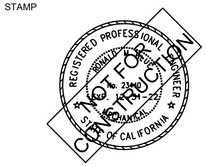
DESCRIPTION

MECHANICAL SCHEDULES

M002

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
T. (415) 522-0600

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

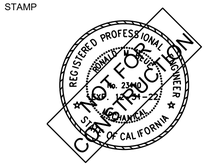
DESCRIPTION

TITLE 24 DOCUMENTS

M003

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
T. (415) 522-0600

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

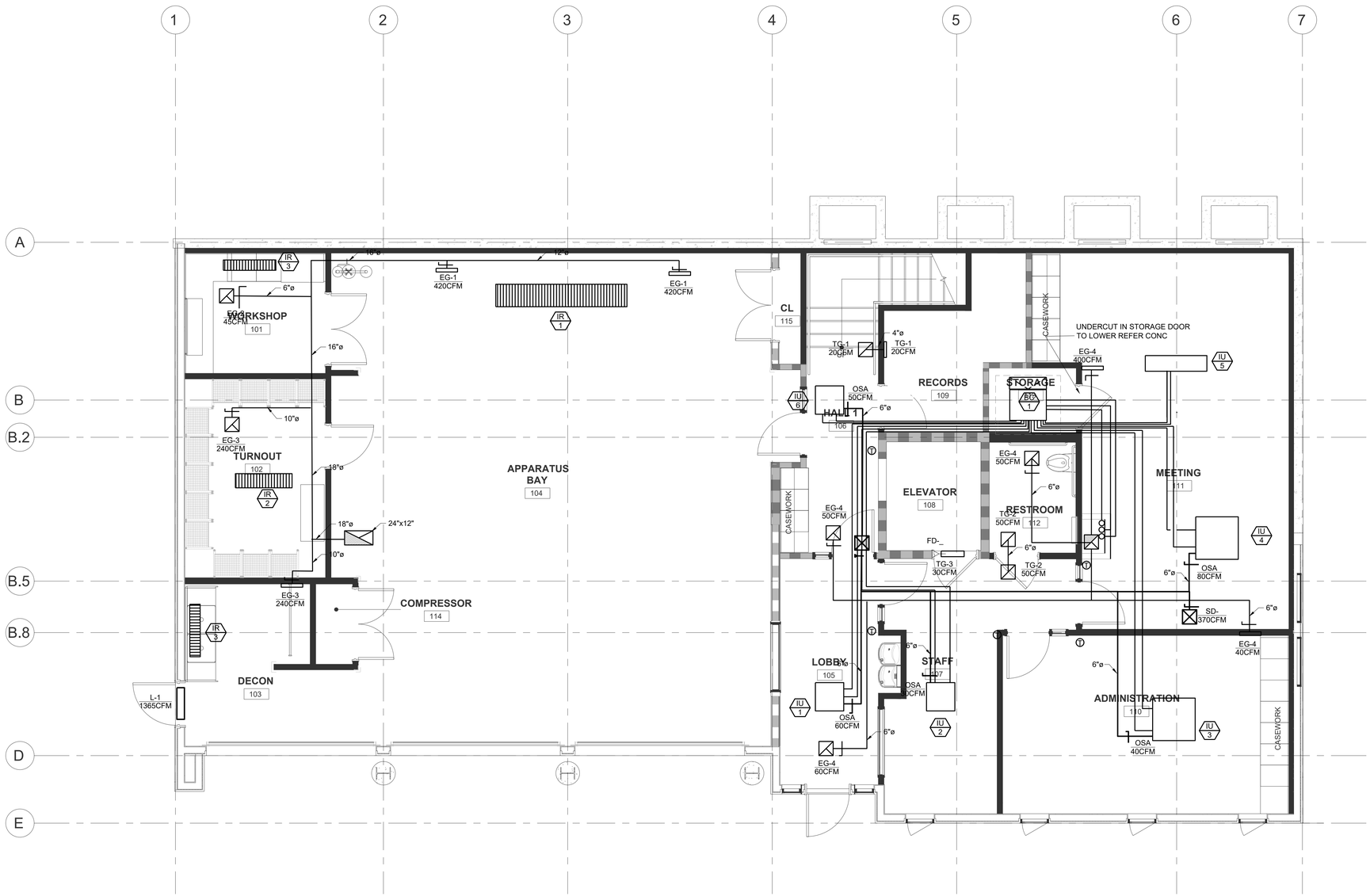
DESCRIPTION

TITLE 24 DOCUMENTS

M004

SHEET NOTES

1. X



1 M201 GROUND FLOOR PLAN

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

0 1 2 4 8

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

NORTH

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

REGISTERED PROFESSIONAL ENGINEER
ROBERT C. BLUE
No. 23422
MECHANICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

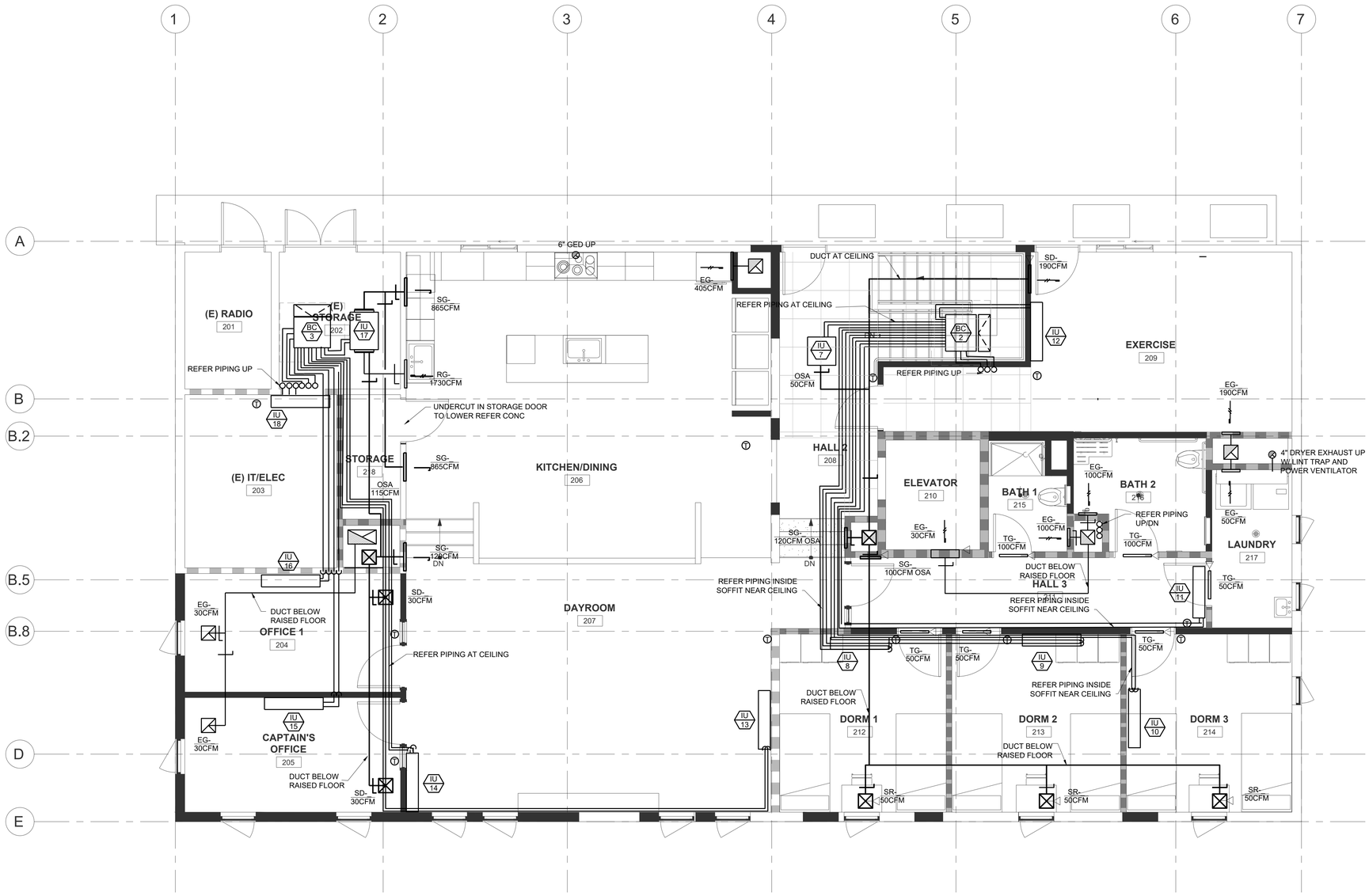
DESCRIPTION

MECHANICAL GROUND FLOOR PLAN

M201

SHEET NOTES

1. X



1 M202 SECOND FLOOR PLAN

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

0 1 2 4 8

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

NORTH

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

REGISTERED PROFESSIONAL ENGINEER
ROBERT E. HANSELL
No. 23422
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

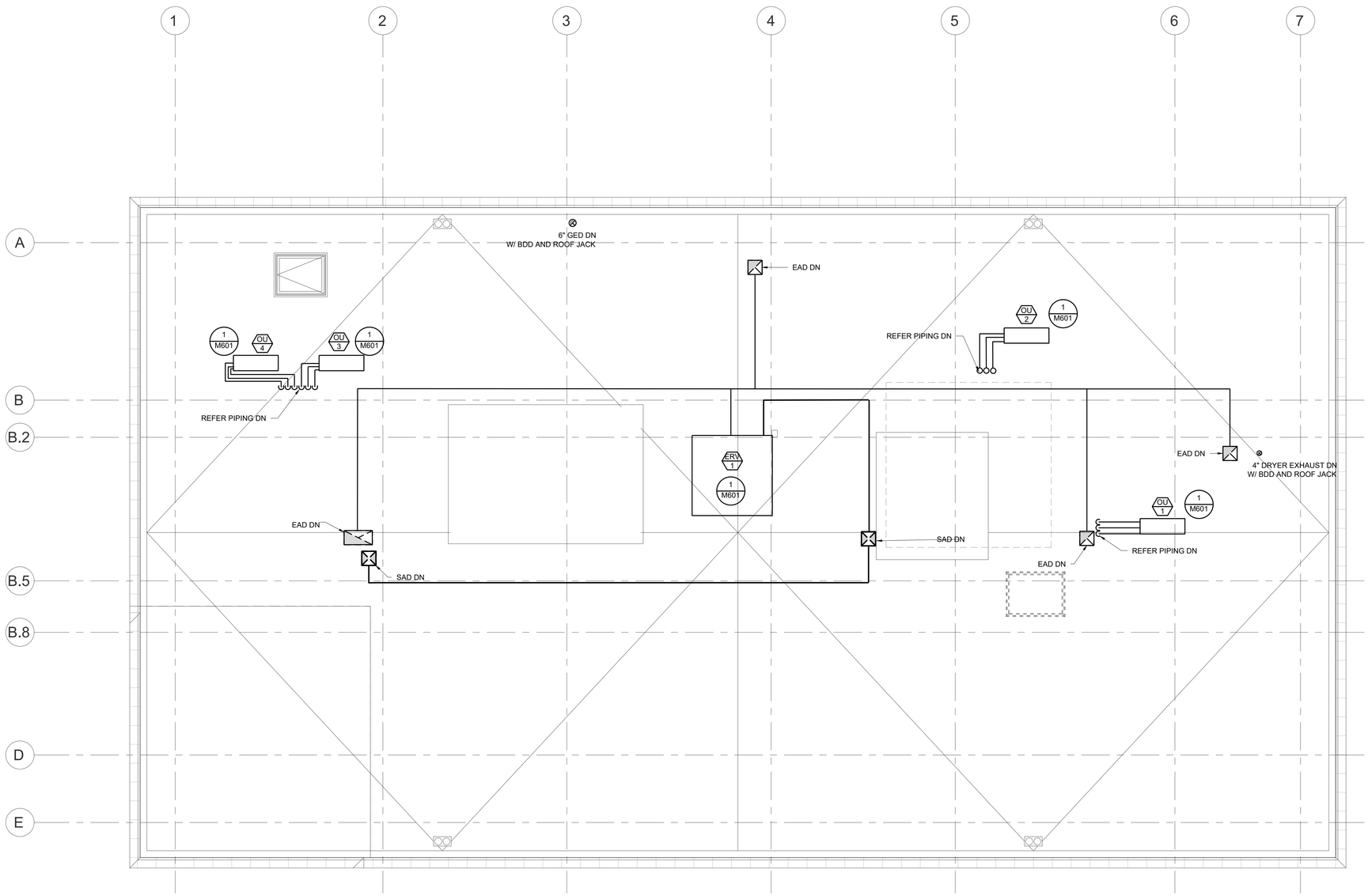
DESCRIPTION

MECHANICAL SECOND FLOOR PLAN

M202

SHEET NOTES

1. X



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

0 1 2 4 8
SCALE: 1/4" = 1'-0"

NORTH

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

REGISTERED PROFESSIONAL ENGINEER
ROHAN G. MEHTA
No. 23402
Exp. 12-31-22
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

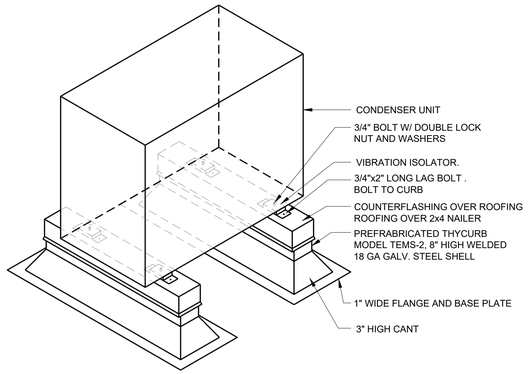
DESCRIPTION

MECHANICAL ROOF PLAN

M203

SHEET NOTES

1. X



1 / M601 ROOFTOP EQUIPMENT SUPPORT DETAIL

NO SCALE

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
T. (415) 522-0600

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

DESCRIPTION

MECHANICAL DETAILS

M601

WATER FIXTURE UNIT CALCULATION (SFU) - NEW

QTY.	DESCRIPTION	FU/FIXTURE	DCW FU	DHW FU	REMARKS
3	WATER CLOSET (FV)	*	90	-	SEE CPC TABLE 610.10
3	LAVATORY	1	3	3	
2	HOSE BIBB	2.5/1.0	3.5	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	
2	SERVICE SINK	3	6	6	
1	DRINKING FOUNTAIN	0.5	0.5	-	
1	CLOTHES WASHER	4	4	4	
1	REFRIGERATOR	0.5	0.5	-	
1	EMERGENCY SHOWER	*	*	*	
		TOTAL:	117.5	23	
	DEMAND IN GPM:		72	58	

WASTE FIXTURE UNIT CALCULATIONS (DFU)

QTY.	DESCRIPTION	DFU/FIXTURE	TOTAL DFU	REMARKS
3	WATER CLOSET (FV)	4	12	
3	LAVATORY	1	3	
2	SHOWER	2	4	
2	KITCHEN SINK	2	4	
1	LAUNDRY SINK	2	2	
1	DISHWASHER	2	2	
2	SERVICE SINK	3	6	
1	DRINKING FOUNTAIN	0.5	0.5	
1	CLOTHES WASHER	3	3	
1	REFRIGERATOR	0.5	0.5	
1	EMERGENCY SHOWER FLOOR DRAIN	0	0	
		TOTAL:	41	

WATER PIPING SIZING CALCULATION

METER ADDRESS:				
MINIMUM SUPPLY PRESSURE:			80	PSI
MAXIMUM FLOW RATE BASED ON FIXTURE UNITS:			72	GPM
LENGTH OF PIPE FROM METER TO FARTHEST FIXTURE:			125	FT
WATER PRESSURE CALCULATION:				
AVAILABLE PRESSURE:			80	PSI
RESIDUAL PRESSURE:			25	PSI
ELEVATION CHANGE:	25	FT	11	PSI
METER LOSS:			10	PSI
BACKFLOW PREVENTOR LOSS:			10	PSI
PRV LOSS:			0	PSI
MAXIMUM AVAILABLE FRICTION LOSS:			24	PSI
(MAX FRICTION) x 100 / (TOTAL LENGTH) =			19.31	PSI/100FT
(E) WATER SERVICE SIZE:			2"	
SELECTED PIPE SIZE SUPPORTS UP TO:			95	GPM

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

NATURAL GAS CALCULATIONS

MARK	DESCRIPTION	CFH DEMAND	DISTANCE FROM METER	BRANCH PIPE SIZE
WH-1	WATER HEATER	150000	55'	3/4"
GS-1	GAS STOVE/ OVEN	90000	60'	3/4"
GR-1	GRILLE	40000	60'	3/4"
IR-1	INFRARED HEATER	45000	55'	1/2"
IR-2	INFRARED HEATER	35000	30'	1/2"
	TOTAL GAS DEMAND:	360000		
	MAX. PIPING LENGTH:	60'		
	GAS SERVICE SIZE TO BUILDING:		1-1/2"	

SYMBOLS & ABBREVIATIONS (PLUMBING)

SYMBOL LABEL	DESCRIPTION
	BALANCING COCK
	BALL VALVE
	CAP
	CHECK VALVE
	CLEANOUT
A	COMPRESSED AIR PIPING (E)
D	DEIONIZED WATER (EXISTING)
	DOMESTIC COLD WATER (EXISTING)
	DOMESTIC COLD WATER (NEW)
	DOMESTIC HOT WATER (EXISTING)
	DOMESTIC HOT WATER (NEW)
	DOMESTIC HOT WATER RETURN (EXISTING)
	DOMESTIC HOT WATER RETURN (NEW)
	DIRECTION OF FLOW
DSP	DRY STANDPIPE
FL	FIRE SPRINKLER PIPING
	FLANGED UNION
	FLOOR DRAIN/ AREA DRAIN
	FLOOR SINK
FM	FORCE MAIN
G	GAS PIPING (EXISTING)
G	GAS PIPING (NEW)
	GAS COCK
	GATE VALVE
	GLOBE VALVE
HPG	HIGH PRESSURE GAS PIPING
	HOSE BIBB ((E) 3/4" MIN.)
LPG	LIQUID PETROLEUM GAS PIPING (EXISTING)
LPG	LIQUID PETROLEUM GAS PIPING (NEW)
O2	OXYGEN PIPING (EXISTING)
O2	OXYGEN PIPING (NEW)
	PETES PLUG
	PIPE (ABOVE THE CEILING)
	PIPE HANGER
	PIPE TURNING UP (RISE)
	PIPE TURNING DOWN (DROP)
	PIPE TEE DOWN
	PRESSURE REDUCING VALVE
	T & PRV RELIEF VALVE
	POINT OF CONNECTION TO EXISTING
RWL	RAIN WATER LEADER (EXISTING)
RWL	RAIN WATER LEADER
	REDUCER
	ROOF DRAIN
SD	STORM DRAIN (EXISTING)
SD	STORM DRAIN (NEW)
	STRAINER
	SUB-SOIL PIPING
	UNION
VAC	VACUUM PIPING (EXISTING)
VAC	VACUUM PIPING (NEW)
	VENT PIPING (EXISTING)
	VENT PIPING (NEW)
AV	ACID VENT
	WASTE PIPING (EXISTING)
	(N) WASTE PIPING (ABOVE FLOOR)
	WASTE PIPING - UNDERGROUND (NEW)
GW	GREASE WASTE (EXISTING)
GW	GREASE WASTE (NEW)
WSP	WET STANDPIPE (EXISTING)
WSP	WET STANDPIPE (NEW)
	WATERHAMMER ARRESTOR (WHA)
	TRAP PRIMER (TP)
	TO BE REMOVED

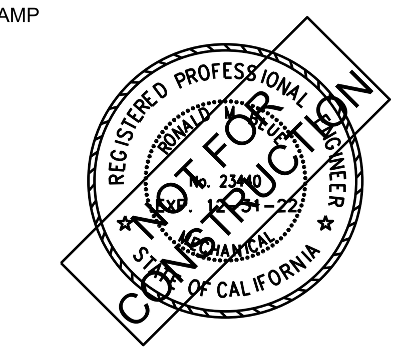
ABBREVIATION	MEANING
ABV.CLG.	ABOVE CEILING
AFCO	ACID FLOOR CLEANOUT
AFD	ACID RESISTANT FLOOR DRAIN
AFF	ABOVE FINISH FLOOR
AGCO	ACID GRADE CLEANOUT
AP	ACCESS PANEL
AV	ACID VENT
AVTR	ACID VENT THRU ROOF
AW	ACID WASTE
AWCO	ACID WALL CLEANOUT
BV	BALL VALVE
CA	COMPRESSED AIR PIPING
CB	CATCH BASIN
CD	CONDENSATE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

GENERAL PLUMBING NOTES

1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING THE 2019 CALIFORNIA ENERGY CONSERVATION STANDARDS OF TITLE 24.
2. LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT SUPPORTS ARE DETAILED ON THE STRUCTURAL AND ARCHITECTURAL PLANS.
3. PLATFORMS, CURBS AND FLASHING FOR EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS. COORDINATE THE EXACT SIZES OF REQUIRED OPENINGS AND SUPPORT FOR THE FURNISHED EQUIPMENT.
4. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
5. ALL EQUIPMENT, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
6. PIPES SHALL BE SUPPORTED AND BRACED PER SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS."
7. COORDINATE PLUMBING SYSTEMS WITH WORK OF OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
8. EXPOSED PIPING ALLOWED ONLY WHERE INDICATED. PROVIDE ESCUTCHEONS IN FINISHED AREAS.
9. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL PLUMBING EQUIPMENT.
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 WALL.
15. ALL FAUCET CONTROLS SHALL BE OPERABLE WITH THE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.
16. PC SHALL PROVIDE CONCRETE INSERTS FOR HANGING PLUMBING EQUIPMENT, COORD. W/ GC.

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
T. (415) 522-0600

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

DESCRIPTION

PLUMBING TITLE SHEET

P001

PLUMBING FIXTURE/EQUIPMENT CONNECTION SCHEDULE

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

PIPE MATERIAL SCHEDULE

SYSTEM	LOCATION	SIZE	PIPE	FITTINGS	JOINTS	TEST
SANITARY WASTE	ABOVE GROUND	3" & LARGER	SERVICE WT. CAST IRON	SERVICE WT. CAST IRON	HUSKY #4000 NO-HUB SS FITING	1
	ABOVE GROUND	2-1/2" & SMALLER	STD WT. GALV. STEEL	SERVICE WT. CAST IRON	HUSKY #4000 NO-HUB SS FITING	1
SANITARY VENT	ABOVE GROUND	3" & LARGER	SERVICE WT. CAST IRON	SERVICE WT. CAST IRON	HUSKY #4000 NO-HUB SS FITING	WATER TO ROOF
	ABOVE GROUND	2-1/2" & SMALLER	STD WT. CAST IRON	SERVICE WT. CAST IRON	HUSKY #4000 NO-HUB SS FITING	WATER TO ROOF
DOMESTIC COLD WATER	ALL	4" & LARGER	TYPE "L" COPPER HARD	CAST SOLDER	95-5 SOLDER	150 PSI WATER
	ALL	3" & SMALLER	TYPE "L" COPPER HARD	WROT SOLDER	95-5 SOLDER	
DOMESTIC HOT WATER & DOMESTIC HOT WATER RETURN	ABOVE GROUND	ALL	TYPE "L" COPPER HARD	WROT SOLDER	95-5 SOLDER	2
NATURAL FUEL GAS	ALL	2-1/2" & LARGER	STD. WT. BLACK STEEL	FORGED SEAMLESS WELD	WELDED	PER CODE
	ALL	2" & SMALLER	STD. WT. BLACK STEEL	150 LB. BLACK MALLEABLE	SCREWED	PER CODE

NOTES:

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

AUTOMATIC GAS SHUT-OFF VALVE SCHEDULE

CODE	LOCATION	SERVICE	ELECTRICAL		EQUIPMENT	MFG.	REMARKS
			VOLT	AMP			
SOV-1	KITCHEN	OVEN/RANGE, GRILL			GAS VALVE ASSEMBLY	ISIMET	1.
FLA-1	KITCHEN (NEXT TO OVEN/RANGE)	OVEN/RANGE SOV	120	5	FLAV2	ISIMET	1.
OGC-1	NEXT TO GRILL CONNECTION	GRILL SOV			OUTDOOR GRILL CONTROLLER	ISIMET	1.

NOTES:

1. CONNECT SYSTEM PER MANUFACTURER'S INSTRUCTIONS. CONNECT SYSTEM TO FIRE ALARM SYSTEM.

INSULATION SCHEDULE

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

TYPE:

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

NOTES:

1. ON BRANCH LINES 10' LONG & CONN. DIRECTLY TO FIXTURE OR TERMINAL UNIT USE 1/2" INSULATION.
2. DIMESTIC COLD WATER SHALL NOT BE INSULATED IF AMBIENT TEMPERATURE IS BELOW DEW POINT.
3. FOR DOMESTIC HOT WATER 105°F-140°F, AND CHILLED WATER PIPING ON CONDITIONED SPACE 3" AND SMALLER AND IN A SPACE, USE TYPE 3 INSULATION.

EXPANSION TANK SCHEDULE

SYMBOL	DESCRIPTION	CAPACITY (GAL)	MAKE & MODEL	REMARKS
ET-1	EXPANSION TANK	4.7	AMTROL ST-447-C	1,2

NOTE:

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

WATER HEATER SCHEDULE

CODE	LOCATION	SERVICE	GAS MBH INPUT	TANK CAPACITY	GPH @ 100 F RISE	ELECTRICAL			WEIGHT (LBS)	HEIGHT (IN)	PART NO.	MFG	REMARKS
						AMP	VOLT	PH					
WH-1	STORAGE	DHW	150	100 GAL	178	5	120	1	523	77	BTH-150(A)	AOSMITH	1., 2.

REMARKS:

1. 1357 LBS WATER FILLED, NON-CONDENSING, TYPE B VENTING SYSTEM (SEE DETAIL 1/M-5).
2. 98% THERMAL EFFICIENCY

SAND OIL INTERCEPTOR SCHEDULE

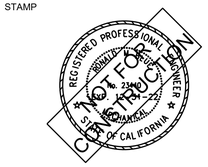
CODE	LOCATION			ELECTRICAL			WT LBS	P/N	MFG.	REMARKS
				VOLT	PH	HZ				
SOI-1	ASSEMBLY BAY ENTRANCE			120	1	60		OS-100-SS	STRIEM	

PUMP SCHEDULE

CODE	LOCATION	SERVICE	GPM	FT. HD.	CONN. SIZE	PUMP RPM	MIN % EFF	MOTOR DATA					WT LBS	P/N	MFG.	REMARKS
								WATT	RPM	VOLT	PH	HZ				
CP-1	ADJACENT TO WATER HEATER	DHWR	1.4	3	1/2"	-	-	44	3725	120	1	60	2	006E3	TACO	

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
T. (415) 522-0600

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

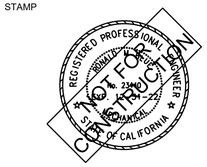
DESCRIPTION

PLUMBING SCHEDULES

P002

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
T. (415) 522-0600

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

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

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

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

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

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

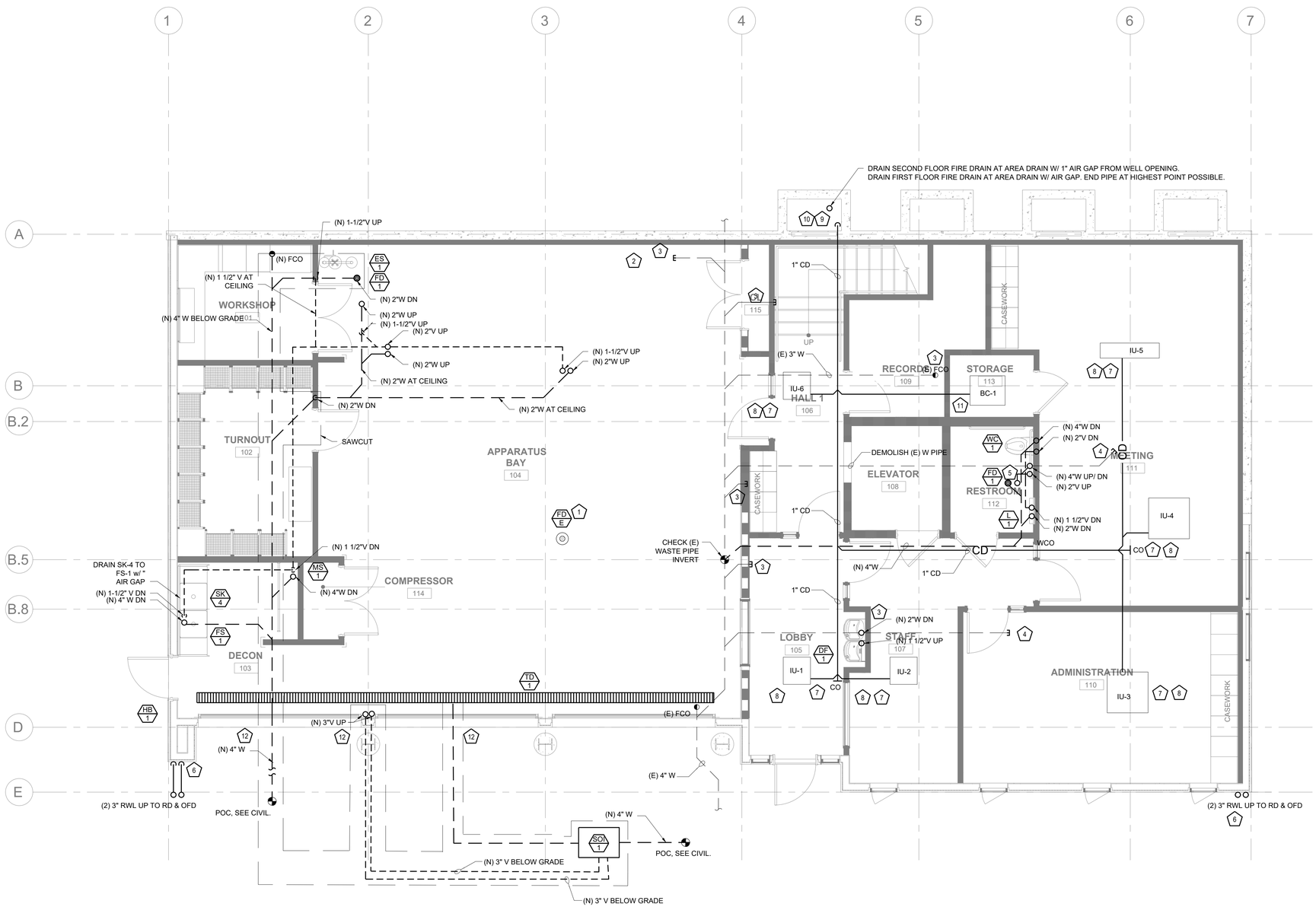
NO.	DESCRIPTION	DATE

JOB NO.

DESCRIPTION

TITLE 24 DOCUMENTS

P003



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

0 1 2 4 8
SCALE: 1/4" = 1'-0"

NORTH

SHEET NOTES

1. PROVIDE CAP TO (E) FD.
2. REMOVE (E) FIXTURES AND PIPING COMPLETE ABOVE FLOOR.
3. CONTRACTOR TO VERIFY (E) WASTE BELOW FLOOR PRIOR TO DEMOLITION.
4. PROVIDE (N) CAP TO UNUSED PORTION OF PIPE.
5. PROVIDE (N) WCO.
6. PROVIDE SPLASH BLOCK.
7. PROVIDE CONDENSATE DRAIN. CONTRACTOR TO COORDINATE PIPE ROUTING WITH THE ARCHITECT. INSTALL CD PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
8. PROVIDE SECONDARY DRAIN PAN AND WATER DETECTION ALARM THAT SHUT-OFF THE UNIT WHEN ACTIVATED.
9. TERMINATE 1" CD TO AREA DRAIN AND PROVIDE AIR GAP. END PIPE AT HIGHEST POINT POSSIBLE.
10. CLEAN UP WELL. EXAMINE CONDITION OF (E) AREA DRAIN. REFURBISH IF NECESSARY. PROVIDE WATER DETECTION ALARM AT 1' ABOVE AREA DRAIN.
11. PROVIDE DRAIN PAN AND CONNECT 3/4" CD TO MAIN AND PROVIDE WATER DETECTION ALARM THAT SHUT-OFF UNIT WHEN ACTIVATED.
12. PIPING TO GO UNDER STRUCTURAL FOOTING. SEE STRUCTURAL.

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

REGISTERED PROFESSIONAL ENGINEER
ROHAN BLUE
No. 23422
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

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

NO.	DESCRIPTION	DATE

JOB NO.

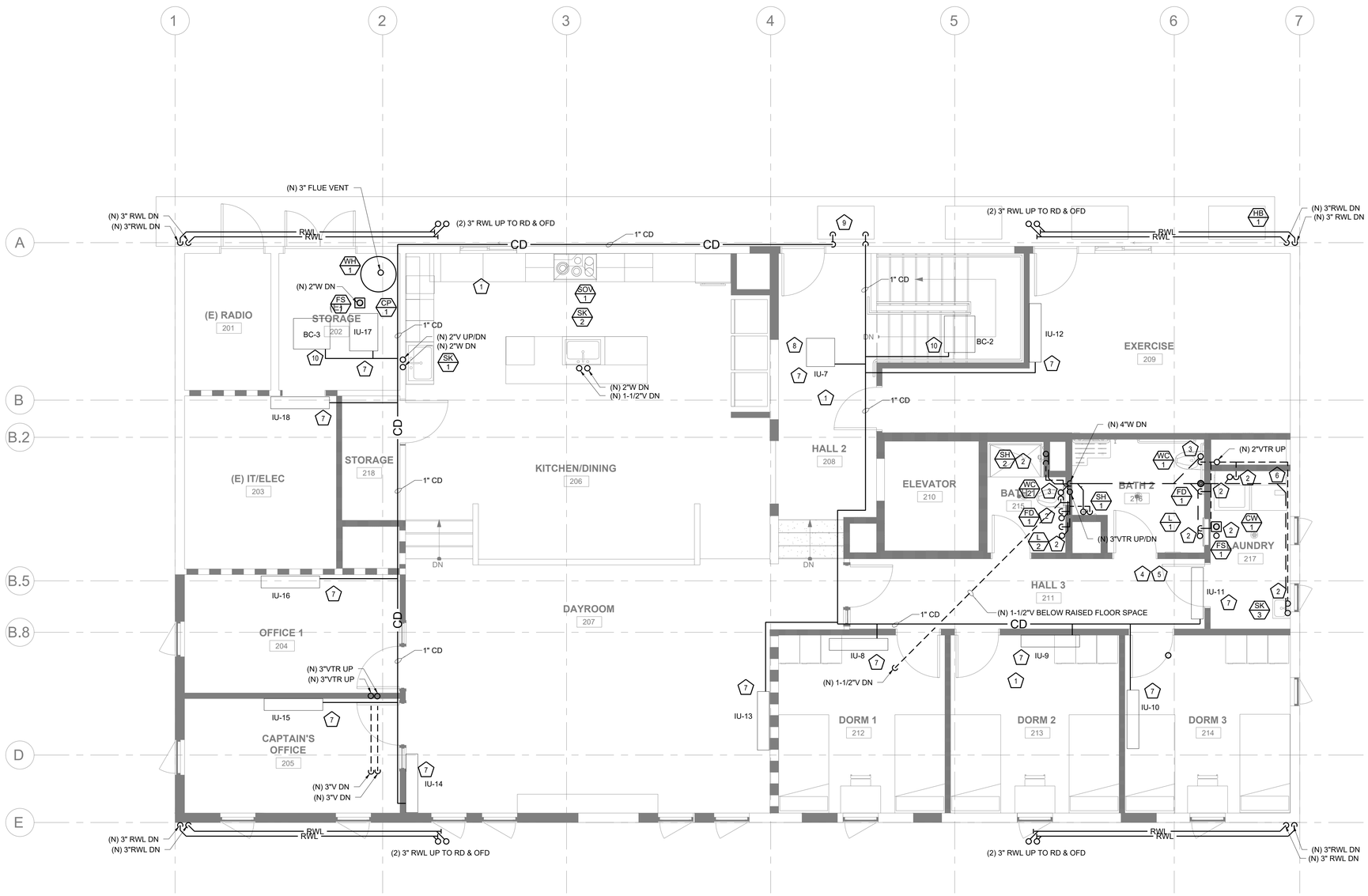
DESCRIPTION

PLUMBING WASTE, RWL & VENT
GROUND FLOOR PLAN

P201

SHEET NOTES

1. REMOVE (E) FIXTURES AND PIPING COMPLETE.
2. (N) 2"W DN, (N) 1-1/2"V DN.
3. (N) 4"W DN, (N) 2"V UP.
4. ALL WASTE PIPES SERVING BATH 1, BATH 2 AND LAUNDRY RUN IN RAISED FLOOR SPACE.
5. CONNECT VENT PIPING AT CEILING.
6. PROVIDE (N) WCO.
7. PROVIDE CONDENSATE DRAIN. CONTRACTOR TO COORDINATE PIPE ROUTING WITH THE ARCHITECT. INSTALL CD PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
8. PROVIDE SECONDARY DRAIN PAN AND WATER DETECTION ALARM THAT SHUT-OFF THE UNIT WHEN ACTIVATED.
9. TERMINATE 1" CD TO AREA DRAIN WITH MIN. 1" AIR GAP FROM WELL OPENING.
10. PROVIDE DRAIN PAN AND CONNECT 3/4" CD TO MAIN AND PROVIDE WATER DETECTION ALARM THAT SHUT-OFF UNIT WHEN ACTIVATED.



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

0 1 2 4 8
SCALE: 1/4" = 1'-0"

NORTH

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

REGISTERED PROFESSIONAL ENGINEER
ROHAN K. MARAR
No. 23412
Exp. 12-31-22
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

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

NO.	DESCRIPTION	DATE

JOB NO.

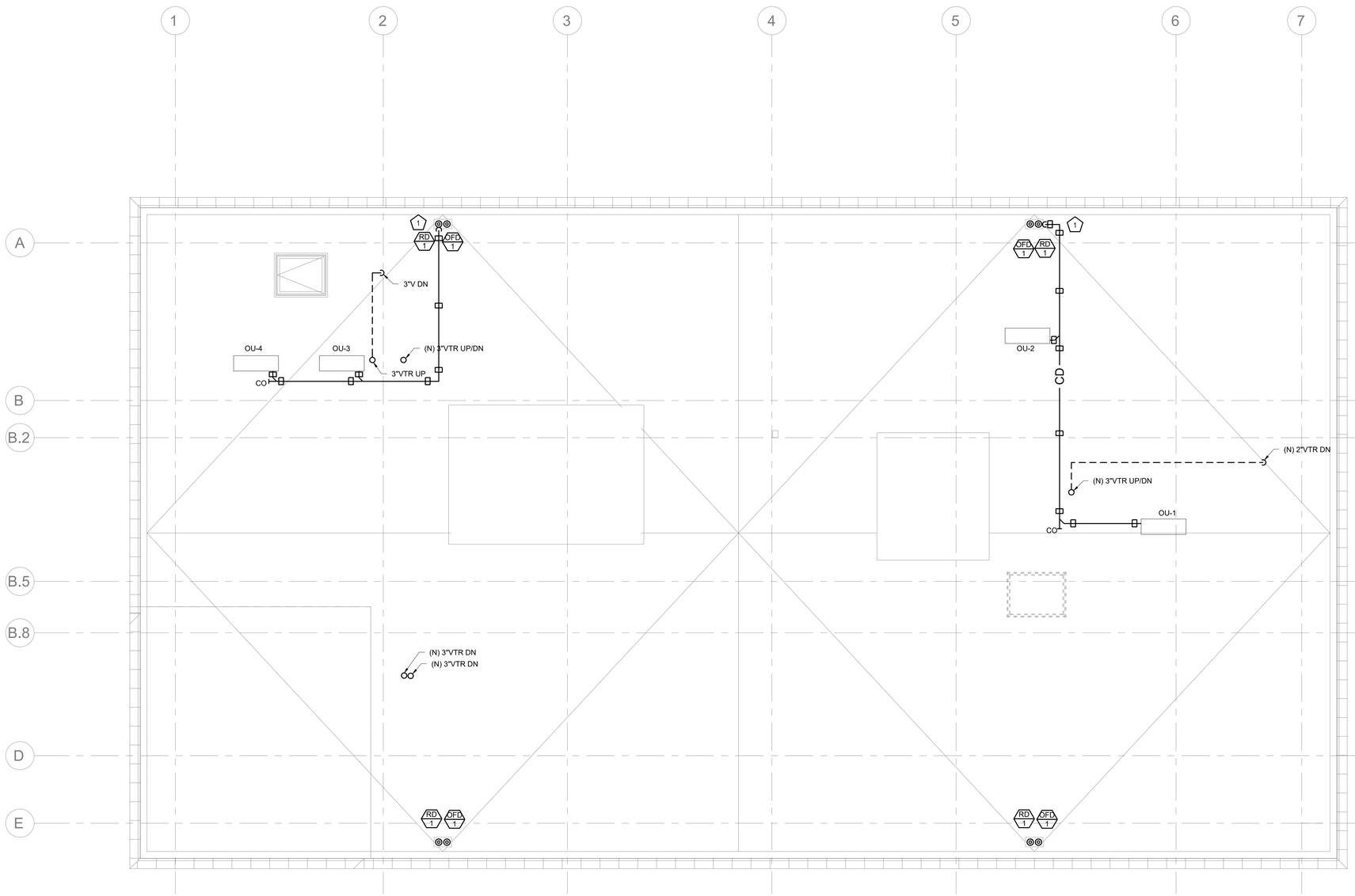
DESCRIPTION

PLUMBING WASTE, RWL & VENT
SECOND FLOOR PLAN

P202

SHEET NOTES

1. TERMINATE 3/4" CD TO ROOF DRAIN AND PROVIDE 1" AIR GAP.



1 P203 ROOF PLAN
SCALE:1/4"=1'-0"

0 1 2 4 8
SCALE: 1/4" = 1'-0"

NORTH

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

REGISTERED PROFESSIONAL ENGINEER
ROBERT C. HANSELL
No. 23422
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

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

NO.	DESCRIPTION	DATE

JOB NO.

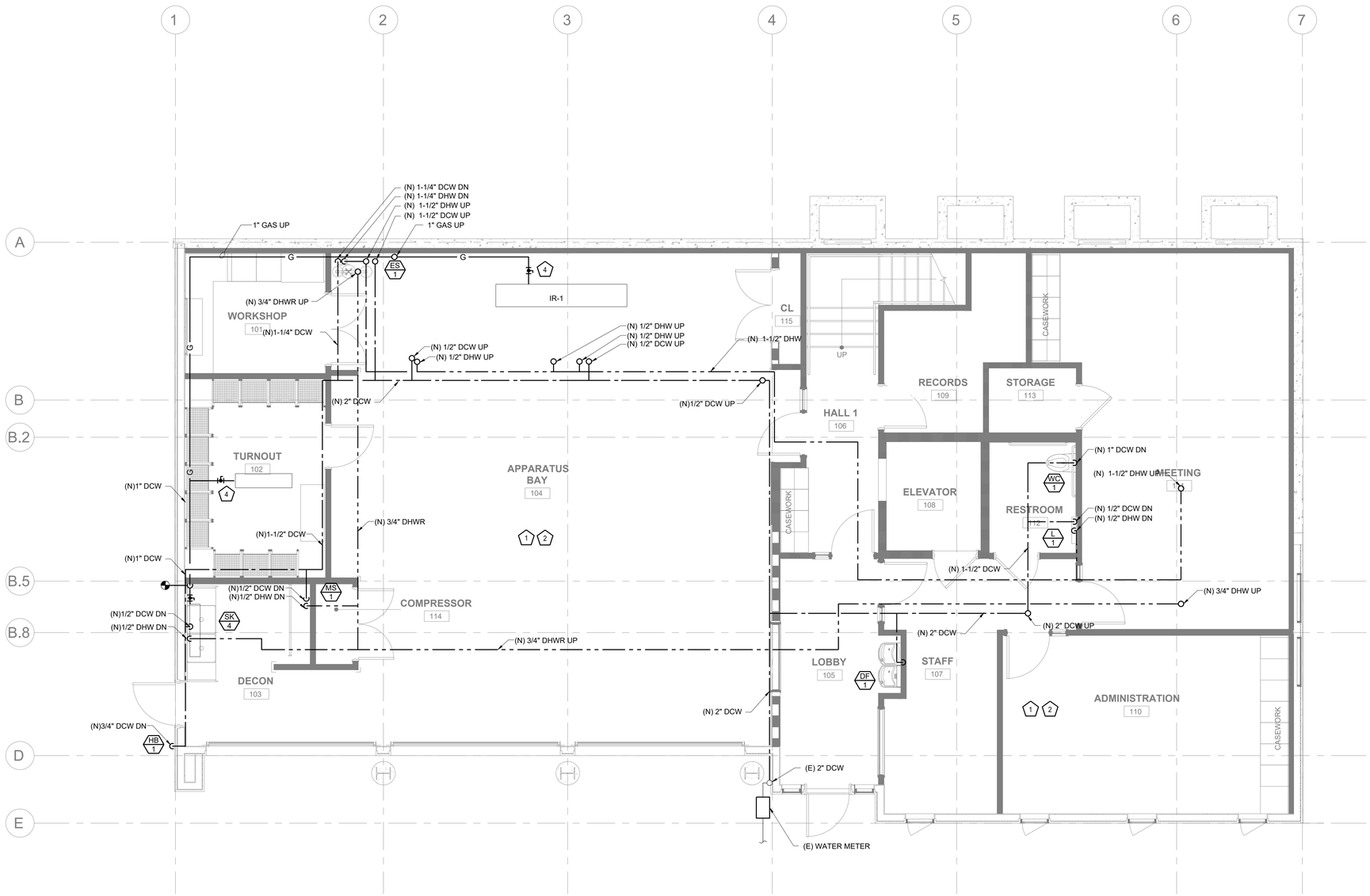
DESCRIPTION

PLUMBING WASTE & VENT
ROOF PLAN

P203

SHEET NOTES

1. REMOVE (E) FIXTURES AND PIPING COMPLETE ABOVE FLOOR.
2. ALL PIPING AT CEILING.
3. POC TO (E) GAS METER. PROVIDE (N) 1-1/2" GAS WITH SEISMIC VALVE AND FLEXIBLE CONNECTION. CONTRACTOR TO COORDINATE WITH PG&E.
4. CONNECT 1/2" GAS TO IR-1. PROVIDE SOV, FLEX CONNECTION AND DIRT TRAP.



1 / P204 GROUND FLOOR PLAN
SCALE:1/4"=1'-0"

0 1 2 4 8
SCALE: 1/4" = 1'-0"

NORTH

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

REGISTERED PROFESSIONAL ENGINEER
ROBERT C. HANSELL
No. 23402
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

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

NO.	DESCRIPTION	DATE

JOB NO.

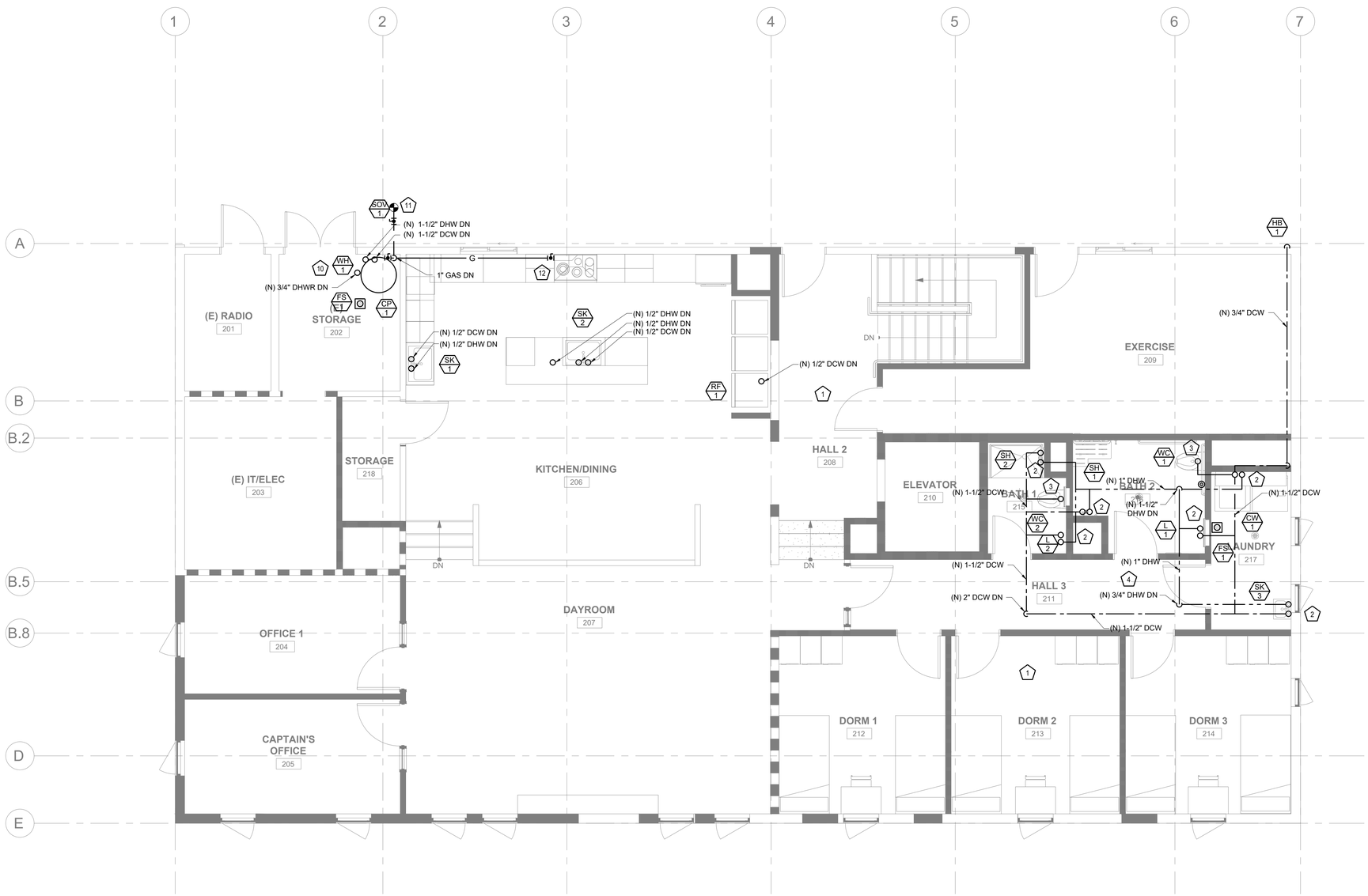
DESCRIPTION

PLUMBING DCW, DHW & GAS
GROUND FLOOR PLAN

P204

SHEET NOTES

1. REMOVE (E) FIXTURES AND PIPING COMPLETE.
2. (N) 1/2"DCW, (N) 1/2"DHW
3. (N) 1" DCW
4. ALL DCW AND DHW PIPING SERVING BATH 1, BATH 2 AND LAUNDRY RUN IN RAISED FLOOR SPACE.
5. PROVIDE 3/4" GAS TO WH-1 WITH SOV, FLEX CONNECTION, AND DIRT TRAP.
6. POC TO (E) GRILL OUTDOOR. PROVIDE WITHAUTOMATIC SOV. SEE SCHEDULE.
7. PROVIDE 3/4" GAS TO (N) GAS RANGE WITH AUTOMATIC SOV, FLEX CONNECTION AND DIRT TRAP. SEE SCHEDULE.



1 P205 SECOND FLOOR PLAN
SCALE:1/4"=1'-0"

0 1 2 4 8
SCALE: 1/4" = 1'-0"

NORTH

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

REGISTERED PROFESSIONAL ENGINEER
ROHIT K. SAHAI
No. 23422
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

DESCRIPTION

PLUMBING DCW, DHW & GAS
SECOND FLOOR PLAN

P205

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
T. (415) 522-0600

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

DESCRIPTION
DETAILS

P601

SYMBOLS & ABBREVIATIONS (FIRE PROTECTION)

ALARM BELL	
AT	
BUTTERFLY VALVE	
CHECK VALVE	
DETECTOR CHECK VALVE	
DRAIN PIPE	
FIRE HYDRANT (2 HOSE OUTLET)	
FIRE HYDRANT (2 HOSE OUTLET AND PUMPER CONNECTION	
(E) FIRE SPRINKLER PIPING	
(N) FIRE SPRINKLER PIPING	
FIRE SPRINKLER PIPING - UNDERGROUND (UG)	
FIRE SPRINKLER RISER	
FLOW DETECTOR SWITCH	
TWO WAY SEISMIC RESTRAINT	
FOUR WAY SEISMIC RESTRAINT	
GATE VALVE	
MAIN TAP	
O S AND Y VALVE	
POST INDICATING VALVE	
CONNECTION (FREE STANDING) SIAMESE FIRE DEPARTMENT	
CONNECTION (WALL TYPE) SIAMESE FIRE DEPARTMENT	
SPRINKLER HEAD: FLUSH	
SPRINKLER HEAD: PENDENT	
SPRINKLER HEAD: SIDEWALL	
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	

AC	ASBESTOS CEMENT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
BFV	BUTTERFLY VALVE
CI	CAST IRON
CLG	CEILING
CONC.	CONCRETE
CV	CHECK VALVE
DCV	DETECTOR CHECK VALVE
DN	DOWN
DSP	DRY STANDPIPE
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
EQB	EARTHQUAKE BRACE
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
FS	FIRE SPRINKLER
FSC	FIRE SPRINKLER CONTRACTOR
GPM	GALLONS PER MINUTE
HV	HOSE VALVE
MJ	MECHANICAL JOINT
(N)	NEW
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PIV	POST INDICATION VALVE
OS&Y	OUTSIDE SCREW AND YOKE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
REQ'D	REQUIRED
SHT. MTL.	SHEET METAL
SQ. FT.	SQUARE FEET
ST	STEEL
TYP	TYPICAL
W/	WITH
WSP	WET STANDPIPE

GENERAL FIRE PROTECTION NOTES

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

    PARKING GARAGE: ORDINARY HAZARD, GROUP ONE.

    DORM/OFFICE: LIGHT HAZARD
16. FIRE HYDRANT FLOW TEST DATA:

    DATE: 10/21/2021

    HYDRANT: 6CM56

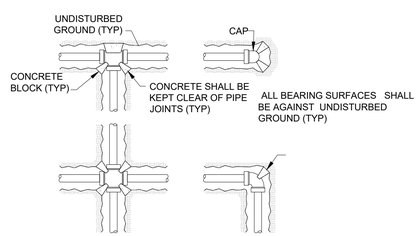
    LOCATION: EAST SIDE OF ARLINGTON AVENUE, 385 FT SOUTH OF OBERLIN AVENUE

    STATIC PRESSURE: 123 PSI

    RESIDUAL PRESSURE: 99 PSI

    FLOW: 1500 GPM

    PREDICTED FLOW AT 20 PSI: XXXX GPM

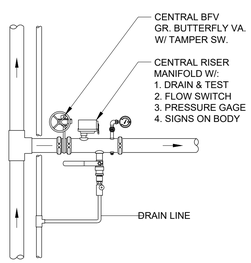


AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS.

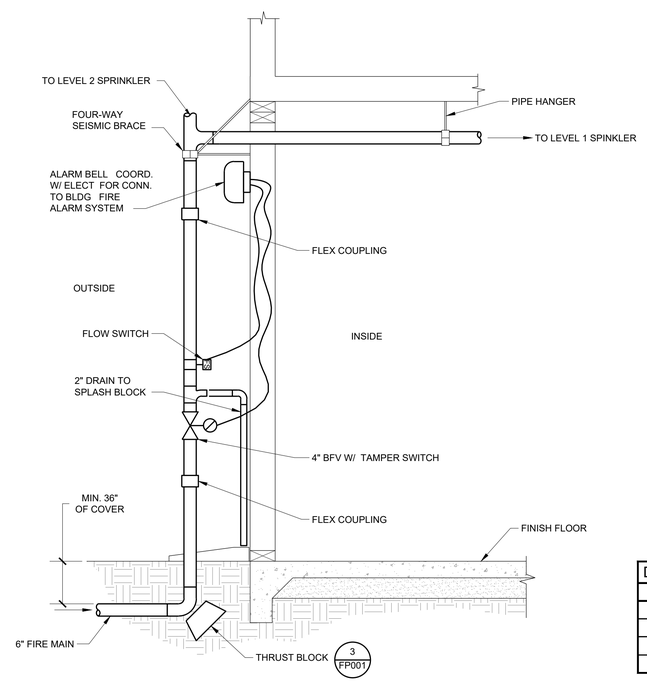
PIPE SIZE INCHES	90° BEND SQ. FT.	45° BEND SQ. FT.	TEE, PLUGS, CAPS, AND HYDRANTS SQ. FT.
4	2	2	2
6	5	3	4
8	8	5	6

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

3 / FP001 THRUST BLOCK DETAIL
NO SCALE



2 / FP001 FLOOR VALVE CONTROL ASSEMBLY
NO SCALE

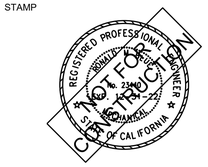


1 / FP001 FIRE SPRINKLER RISER DETAIL
NO SCALE

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

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
T. (415) 522-0600

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

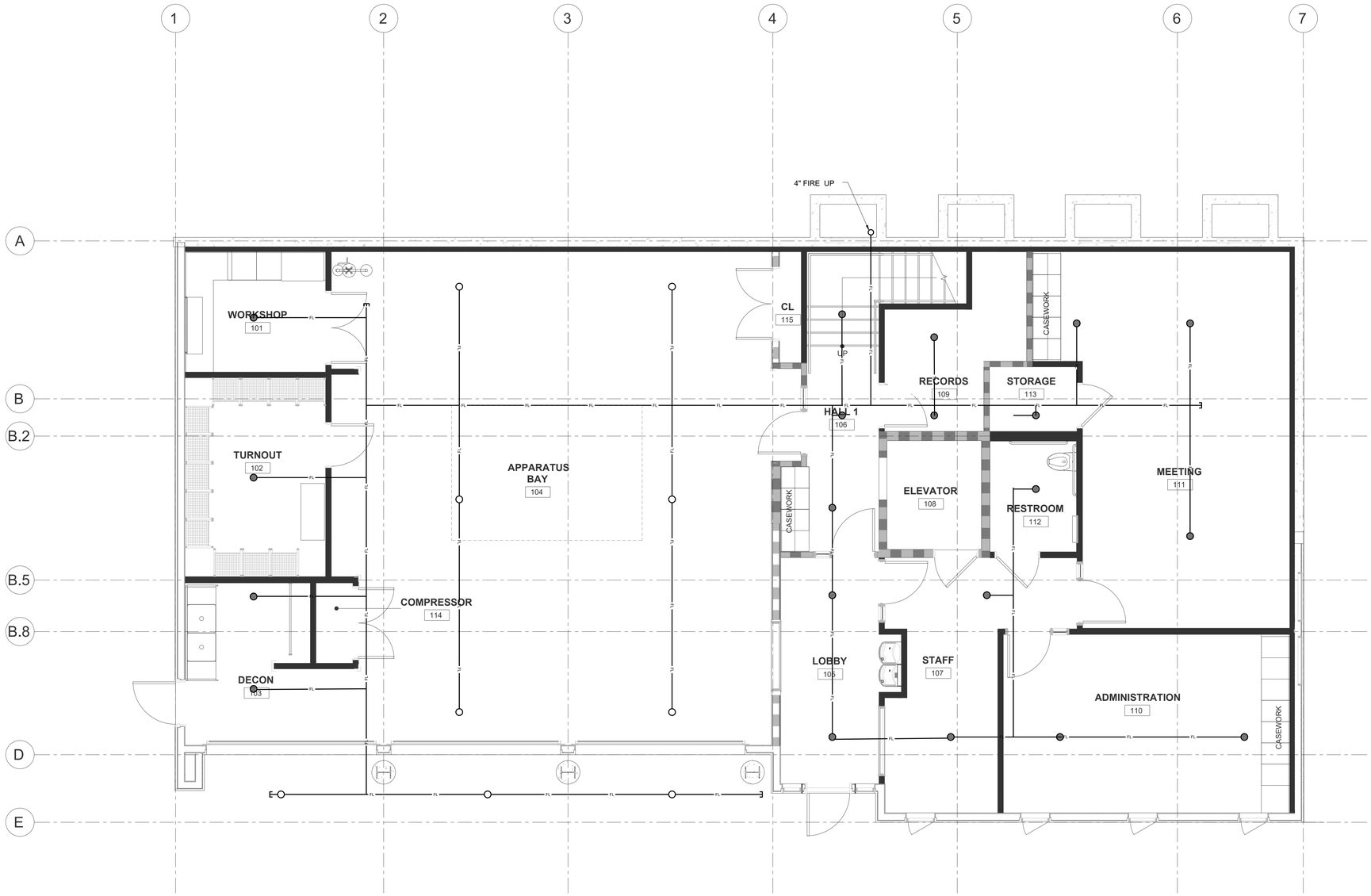
DESCRIPTION

FIRE PROTECTION TITLE SHEET

FP001

SHEET NOTES

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



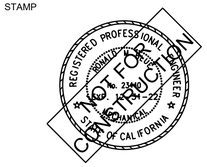
1 FP201 GROUND FLOOR PLAN
SCALE:1/4"=1'-0"

0 1 2 4 8
SCALE: 1/4" = 1'-0"

NORTH

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
T. (415) 522-0600

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

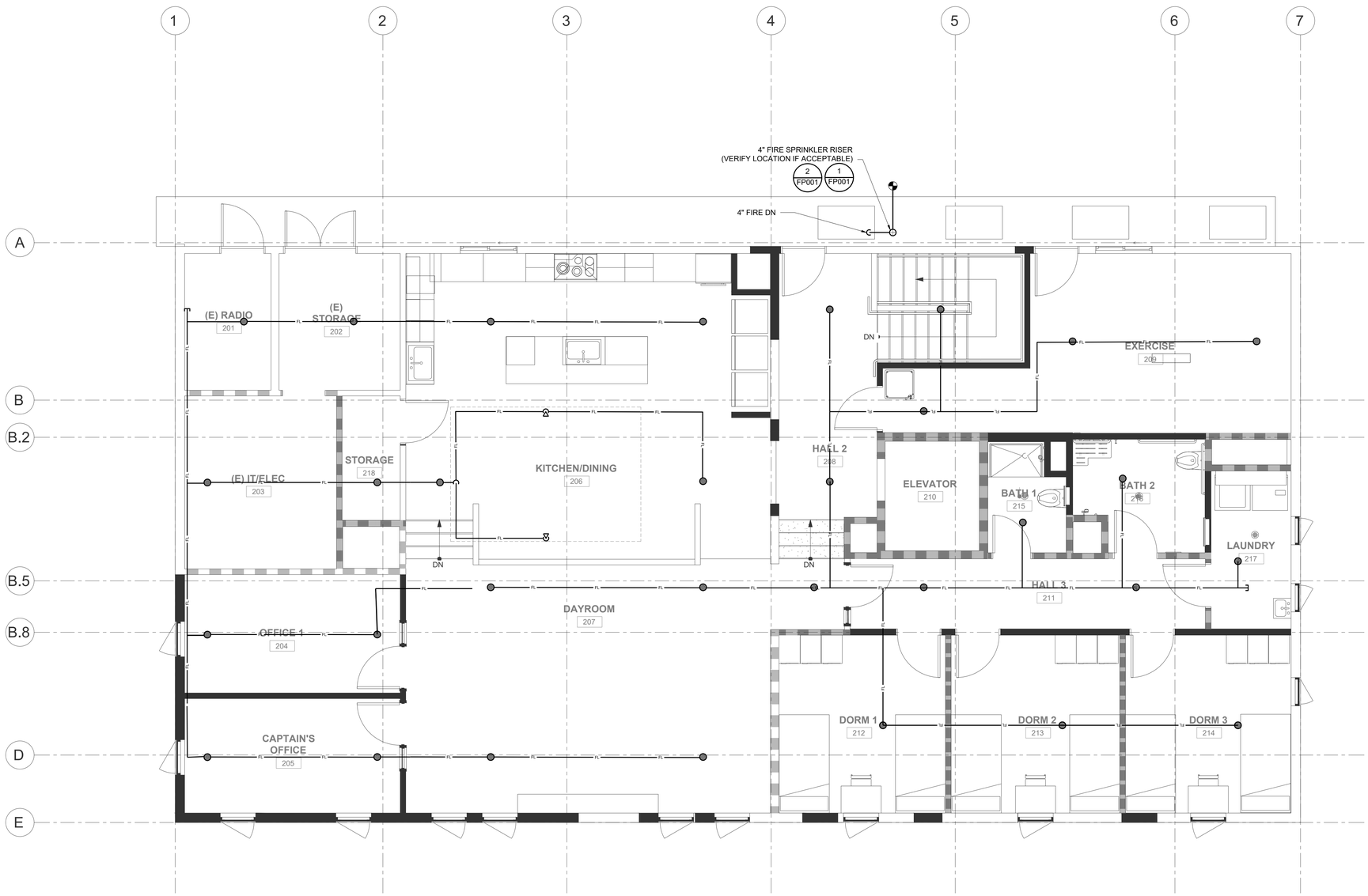
DESCRIPTION

FIRE PROTECTION GROUND FLOOR PLAN

FP201

SHEET NOTES

1. X



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

0 1 2 4 8
SCALE: 1/4" = 1'-0"

NORTH

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

REGISTERED PROFESSIONAL ENGINEER
ROBERT W. RUSSELL
No. 23402
Exp. 12-31-22
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.

DESCRIPTION

FIRE PROTECTION SECOND FLOOR PLAN

FP202

PROJECT GENERAL NOTES

#	Note
***	EXISTING CONDITIONS
1	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.
2	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
3	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
4	CONTRACTOR SHALL REMOVE ALL LEFT OVER CONDUIT, WIRE, SCRAPS, ETC. AND LEAVE PREMISES CLEAN AND FREE OF TRASH OR DEBRIS RESULTING FROM THEIR WORK.
5	CONTRACTOR SHALL DISCONNECT AND REMOVE ALL DEMOLISHED DEVICES AND FIXTURES AS SHOWN ON DEMOLITION PLAN. TURN OVER TO OWNER EXISTING DEVICES AND FIXTURES THAT ARE NOT REUSED. PROPERLY DISCARD IF THE OWNER DOES NOT WANT.
6	RECONNECT EXISTING DEVICES WHOSE CIRCUITS HAVE BEEN INTERRUPTED BY DEMOLITION BY PROVIDING NEW CONNECTIONS TO ANOTHER EXISTING DEVICE OR PANEL. VERIFY CIRCUIT LOADING ON EXISTING CIRCUIT.
7	WHEN A DEVICE IS REMOVED FROM AN EXISTING WALL WHICH WILL REMAIN, PATCH WALL TO MATCH EXISTING OR NEW FINISH.
8	MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE CENTERLINE OF DEVICES, COORDINATE WITH ARCHITECTURAL DRAWINGS.
9	CLEAN EXISTING LIGHTING FIXTURES WITHIN THE PROJECT AREA AS PART OF THIS PROJECT. INCLUDE NEW LAMPS WHERE COLOR INCONSISTENCIES EXIST, OR WHERE LAMPS ARE BURNED OUT/NOT INSTALLED.
***	SITE & SITE LIGHTING
10	THERE SHALL BE A MINIMUM OF 24" OF COVER OVER UNDERGROUND CONDUITS, UON. INCLUDE A MINIMUM 12" SEPARATION BETWEEN ALL LOW VOLTAGE AND LINE VOLTAGE RACEWAYS. INSTALL A WARNING/MARKER TAPE 12 INCHES OVER THE CONDUIT.
11	PROVIDE CONCRETE BASES FOR ALL SITE POLE MOUNTED FIXTURES, BOLLARDS, AND SIGN LIGHTING, UON.
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.
32	REQUIRED ELECTRICAL EQUIPMENT WORKING SPACE DEPTH SHALL NOT BE LESS THAN THAT INDICATED IN CEC TABLE 110.26. THE WIDTH OF THE WORKING SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT SHALL BE THE WIDTH OF THE EQUIPMENT OR 30", WHICHEVER IS GREATER. THIS REQUIREMENT ALSO APPLIES TO DISCONNECT SWITCHES.
33	ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES AND BEAR THEIR LABEL, OR ETL.
34	PROVIDE ALL NEW BOARDS, BREAKERS, SWITCHES, ETC. IN ACCORDANCE WITH THE CONTRACTOR PREPARED POWER SYSTEM STUDY. NO EQUIPMENT SHALL BE PURCHASED, INSTALLED, AND/OR RELEASED PRIOR TO ENGINEER REVIEW AND APPROVAL OF THE POWER SYSTEM STUDY.
35	CONTRACTOR SHALL PROVIDE ARC FLASH LABELS FOR ALL ELECTRICAL EQUIPMENT WITHIN THE SCOPE OF THIS PROJECT. THESE LABELS SHALL BE GENERATED BY THE CONTRACTOR FROM THE POWER SYSTEM STUDY AND SUBMITTED WITH THE POWER SYSTEM STUDY SUBMITTAL FOR ENGINEER REVIEW AND APPROVAL. THIS INCLUDES ALL FIELD MARKING OF KAIC VALUES ON EXISTING OR NEW BOARDS PER THE CEC.
36	WIRING SPACE IN PANELBOARDS, DISTRIBUTION PANELS AND SWITCHBOARDS SHALL BE DEDICATED TO CONDUCTORS TERMINATED IN THAT ENCLOSURE. PANELBOARDS, DISTRIBUTION PANELS AND SWITCHBOARDS SHALL NOT BE USED AS PULL AND/OR SPLICE BOXES FOR CONDUCTORS THAT TERMINATE IN OTHER ENCLOSURES. DO NOT SPLICE CONDUCTORS IN EQUIPMENT.
37	NEW CIRCUIT BREAKERS INSTALLED IN EXISTING EQUIPMENT SHALL BE PROVIDED TO MATCH THE kAIC RATINGS AND THE MANUFACTURER OF THE EXISTING.
38	PROVIDE CLEAR SIGNAGE ON ALL ELECTRICAL EQUIPMENT PER CEC TO INDICATE THE ARC FLASH HAZARD WARNING, AND THE MAXIMUM AVAILABLE FAULT CURRENT. WHEN MODIFICATIONS OCCUR THAT AFFECT THE MAXIMUM FAULT CURRENT THE CONTRACTOR SHALL RECALCULATE AS NECESSARY AND REMARK THE EQUIPMENT.

PROJECT GENERAL NOTES

#	Note
***	COORDINATION
39	REFER TO MECHANICAL & PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT. PROVIDE ALL LINE VOLTAGE AND LOW VOLTAGE WIRING, CONTROL WIRING, INTERLOCK CABLING, AND CONDUIT REQUIRED.
40	PROVIDE A DISCONNECTING MEANS AT ALL MOTORS, WHETHER INDICATED ON THE PLANS OR NOT.
41	PROVIDE FUSES IN DISCONNECTS FOR MECHANICAL EQUIPMENT AS COORDINATED WITH THE UNITS NAMEPLATE AND MANUFACTURERS INSTALLATION INSTRUCTIONS. FUSES SHALL BE CURRENT LIMITING TYPE.
42	PROVIDE A GFCI TYPE DEVICE WITH WEATHER PROOF WHILE IN USE COVER WITHIN 25' OF ALL EXTERIOR HVAC/PLUMBING EQUIPMENT.
43	WORK PERFORMED FROM THESE DRAWINGS SHALL ALSO COMPLY WITH THE PROJECT SPECIFICATIONS. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL TAKE PRECEDENT.
44	CONTRACTOR SHALL CONFIRM THAT ALL LIGHTING FIXTURES SPECIFIED, AND THE CEILING TYPES, FIXTURE TRIMS, AND FRAMES ARE ALL COMPATIBLE PRIOR TO THE CONTRACTOR LIGHTING FIXTURE SUBMITTAL.
45	BUILDING EXPANSION JOINTS ARE NOT INDICATED ON THE ELECTRICAL DRAWINGS (UON) AND SHALL 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
46	IN ADDITION TO THE WORK SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE ALL CONDUIT, BACK BOXES, AND RACEWAY REQUIRED FOR THE FIRE ALARM SYSTEM, SECURITY SYSTEM, AV SYSTEM, AND TELECOM SYSTEM ON THIS PROJECT. PLEASE REFER THE LOW VOLTAGE SYSTEM DRAWINGS AND SPECIFICATIONS FOR DEVICE LOCATIONS, ADDITIONAL INFORMATION, AND COMPLETE SCOPE OF WORK.
47	PROVIDE ALL LABOR, EXIT SIGNS, AND MATERIAL COSTS FOR THE COMPLETE INSTALLATION OF 5 ADDITIONAL LED EDGE LIT EXIT SIGNS. THE INSTALLATION LOCATIONS ARE TO BE DETERMINED DURING THE FINAL PROJECT INSPECTION WITH THE AHJ. TURN OVER ANY UNUSED EXIT SIGNS TO THE OWNER'S ATTIC STOCK FOR FUTURE USE.
48	PROVIDE SPECIALTY COLOR DEVICES AND COVERPLATES FOR ALL GENERATOR POWERED DEVICES. COORDINATE THE COLOR WITH SPECIFICATIONS AND OWNERS REPRESENTATIVE UON.
49	PER CEC ARTICLE 517 PROVIDE SEPARATE ELECTRICAL RACEWAYS.
50	ALL INDOOR FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL HAVE A 4" HOUSEKEEPING PAD. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL HAVE A 6" HOUSEKEEPING PAD.
51	CONTRACTOR SHALL PREPARE RED LINED AS-BUILT DOCUMENTS REPRESENTING THE ACTUAL FIELD ROUTINGS AND INSTALLATION LOCATIONS FOR ALL ITEMS ON THIS PROJECT.
52	SURFACE MOUNTED CONDUIT WHERE APPROVED, AND INSTALLED, SHALL BE PAINTED TO MATCH THE ARCHITECTURAL FINISHES IN THAT AREA.
53	CONDUIT ROUTING (WHERE SHOWN) IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FILED CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES.
54	DRAWINGS INDICATE JUNCTION BOXES WITH HOMERUNS ON THE PLANS, BUT THE CONTRACTOR SHALL PROVIDE ALL INTERMEDIATE RACEWAY WORK AND CONDUCTORS/CABLING BETWEEN THE DEVICES, FIXTURES, AND JUNCTION BOXES AS COORDINATED WITH ALL FIELD CONDITIONS AND TRADES.
55	CONTRACTOR SHALL PREPARE A DETAILED CONDUIT ROUTING DIAGRAM, INCLUDING MAJOR CONDUIT RUNS FROM PANELS OF ORIGIN OUT TO ALL BRANCH CIRCUIT CONNECTIONS (DOWN TO 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.
56	THE DRAWINGS DO NOT FULLY REPRESENT THE ENTIRE INSTALLATION FOR THE SYSTEMS INDICATED BELOW. THE CONTRACTOR IS REQUIRED TO COMPLETE THE DESIGN FOR THESE SYSTEMS AS SPECIFIED HEREIN AND AS INDICATED ON THE DRAWINGS. CAD OR REVIT SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION: ·LIGHTING AND DEVICE BRANCH CIRCUITING- DRAWINGS INDICATE ABOVE CEILING POWER JUNCTION BOXES, HOMERUNS, CIRCUITING AT EACH JUNCTION BOX, AND LOCAL MEANS OF CONTROL. CORRESPONDING CIRCUIT NUMBERS ARE INDICATED ADJACENT TO LIGHTING FIXTURES AND RECEPTACLES. CONNECTIONS TO ALL FIXTURES AND DEVICES ARE NOT INDICATED ON THE PLANS BUT ARE REQUIRED. ·FIRE ALARM SYSTEM- DRAWINGS INDICATE THE LOCATION OF ALL CONTROL PANEL COMPONENTS, INITIATING DEVICES, ANNUNCIATING DEVICES, COMMUNICATIONS SYSTEM COMPONENTS, AUXILIARY 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. ·SECURITY SYSTEM- THE DRAWINGS INDICATE THE LAYOUT AND LOCATION OF CONTROL CONSOLE(S), COMPONENTS, AS WELL AS LOCATION OF ALL SECURITY DEVICES, (IE: CCTV CAMERAS, CARD READERS, DOOR LOCKS AND CONTACTS, INTERCOM STATIONS, DURESS STATIONS, PERSONAL SECURITY SYSTEM RECEIVERS, ETC.). CONDUITS, WIRING, AND CABLING BETWEEN ALL COMPONENTS, EQUIPMENT, AND DEVICES, ETC. ARE NOT INDICATED ON THE PLANS BUT ARE REQUIRED.

ABBREVIATIONS

A	AMPERES	LCP	LIGHTING CONTROL PANEL
AFI	ARC FAULT CIRCUIT INTERRUPTER	MBGB	MAIN BUILDING GROUND BUS
AF	AMPERE OVERCURRENT FRAME SIZE (WHEN APPLIED TO CIRCUIT BREAKERS) OR AMPERE FUSE SIZE (WHEN APPLIED TO FUSES)	MCB	MAIN CIRCUIT BREAKER
		MCC	MOTOR CONTROL CENTER
		MLO	MAIN LUGS ONLY
AFF	ABOVE FINISHED FLOOR	MT	EMPTY CONDUIT
AIC	ASYMMETRIC INTERRUPTING CURRENT	MTS	MANUAL TRANSFER SWITCH
AL	ALUMINUM	(N)	NEW
AT	AMPERE OVERCURRENT TRIP (WHEN APPLIED TO CIRCUIT BREAKERS)	NC	NORMALLY CLOSED
AV	AUDIO / VIDEO	NF	NON-FUSED
ATS	AUTOMATIC TRANSFER SWITCH	NIEC	NOT IN ELECTRICAL CONTRACT
BAS	BUILDING AUTOMATION SYSTEM	NL	NIGHT LIGHT, UNSWITCHED
BPS	BOLTED PRESSURE CONTACT SWITCH	NO	NORMALLY OPEN
C	CONDUIT	NTS	NOT TO SCALE
CCTV	CLOSED CIRCUIT TELEVISION	OC	ON CENTER
CEC	CALIFORNIA ELECTRICAL CODE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CL	CURRENT LIMITING CIRCUIT BREAKER OR FUSE	PA	PUBLIC ADDRESS
CP	CIRCULATION PUMP	PDZ	PRIMARY DAYLIGHT ZONE
CT	CURRENT TRANSFORMER	PNL	PANEL
CU	COPPER	PQM	POWER QUALITY METER
DF	DRINKING FOUNTAIN	PT	POTENTIAL TRANSFORMER
(E)	EXISTING TO REMAIN	PVC	POLYVINYL CHLORIDE
EC	ELECTRICAL CONTRACTOR	(R)	EXISTING TO BE REMOVED
EF	EXHAUST FAN	(RR)	REMOVE AND RELOCATE
EP	EXPLOSION PROOF	SAD	SEE ARCHITECTURAL DRAWINGS
EPO	EMERGENCY POWER OFF	TC	TIME CLOCK
EMT	ELECTRICAL METALLIC TUBING	TP	TWISTED-PAIR
EWH	ELECTRIC WATER HEATER	SDZ	SECONDARY DAYLIGHT ZONE
F	FUSED	SPD	SURGE PROTECTION DEVICE
(F)	FUTURE	TX	TRANSFORMER
FACP	FIRE ALARM CONTROL PANEL	TYP	TYPICAL
FFCP	FIREMAN'S FAN CONTROL PANEL	UON	UNLESS OTHERWISE NOTED
FLA	FULL LOAD AMPERES	UPS	UNINTERRUPTIBLE POWER SUPPLY
FMC	FLEXIBLE METAL CONDUIT	V	VOLTS
FSD	FIRE/SMOKE DAMPER	VA	VOLTS-AMPS
FRAP	FIREMAN'S REMOTE ANNUNCIATOR PANEL	VFD	VARIABLE FREQUENCY DRIVE
		VM	VENDING MACHINE
G	GROUND	WAP	WIRELESS ACCESS POINT
GB	GROUND BUS	WP	WEATHERPROOF
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	2SP	TWO SPEED
GND	GROUND	1Ø	1-PHASE
GRAP	GENERATOR REMOTE ANNUNCIATOR PANEL	3Ø	3-PHASE
GRC	GALVANIZED RIGID CONDUIT	1P	1-POLE
HNC	HOME NETWORK CABINET	2P	2-POLE
HPC	HIGH PRESSURE CONTACT SWITCH	3P	3-POLE
IG	ISOLATED GROUND	3W	3-WIRE
IMC	INTERMEDIATE METAL CONDUIT	4W	4-WIRE

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

ELECTRICAL SHEET INDEX

SHEET NO.	SHEET NAME	2020.12.17 100% DD
E001	NOTES, ABBREVIATIONS, AND SHEET INDEX	●
E002	SYMBOLS	●
E004	SCHEDULE AND SINGLE LINE DIAGRAM	●
E005	TITLE 24 FORMS	
E006	TITLE 24 FORMS	
E101	SITE PLAN	●
E201	LIGHTING PLANS	●
E301	POWER AND LOW VOLTAGE PLANS	●
E401	ENLARGED PLANS AND DETAILS	

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN
SAN DIEGO | SANTA BARBARA
https://www.engent.com

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA, 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.
21186 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION
NOTES, ABBREVIATIONS, AND SHEET INDEX

E001

C:\Users\casey.dowling\Documents\Kensington Public Safety Building_E_Central_V21_casey.dowlingYCY28.rvt

12/17/2021 4:12:34 PM

SOME OF THESE SYMBOLS SHOWN MAY NOT BE USED ON THIS PROJECT

WIRING DEVICES

- JUNCTION BOX, WALL MOUNTED, +18" UON.
- JUNCTION BOX, MOUNTED IN FLUSH FLOOR BOX.
- J — JUNCTION BOX, MOUNTED FLUSH IN CEILING.
- JUNCTION BOX, SURFACE OR PENDANT MOUNTED TO STRUCTURE IN ACCESSIBLE CEILING SPACE.
- JUNCTION BOX, MOUNTED ON CONDUIT STANCHION FLOOR PENETRATION, +12" UON.
- SINGLE-PLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON. ADJACENT LETTERING DENOTED BELOW APPLY TO ALL RECEPTACLE DEVICES WHEN SHOWN ON DRAWINGS.
  - A: ARC FAULT CURRENT INTERRUPTER (AFCI)
  - G: GROUND FAULT CURRENT INTERRUPTER (GFCI)
  - IG: ISOLATED GROUND
  - U: INTEGRAL USB PORTS
  - WP: WEATHER-RESISTANT, GROUND FAULT CURRENT INTERRUPTER (GFCI) WITH WEATHERPROOF "IN USE" COVER
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED OVER COUNTER, 6" ABOVE BACK SPLASH UON, BUT NO HIGHER THAN ADA REQUIREMENTS.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, SPLIT-WIRED, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, ON EMERGENCY POWER, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, CONTROLLED PER T24, WALL MOUNTED, + 18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, HORIZONTALLY WALL MOUNTED, +18" UON.
- SPECIALTY OUTLET DEVICE, NEMA CONFIGURATION TYPE AS NOTED ON PLANS, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED FLUSH IN CEILING.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED FLUSH IN CEILING.
- COMBINATION POWER/TELECOMMUNICATION DEVICE, MOUNTED IN FLUSH FLOOR BOX. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED ON CONDUIT STANCHION FLOOR PENETRATION, +12" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, CORD OR REEL HUNG FROM STRUCTURE ABOVE. TYPE AS NOTED ON PLANS.
- S^{T} — SINGLE-POLE, MANUAL DISCONNECT SWITCH WITH THERMAL OVERLOAD ELEMENT, MOUNTED ADJACENT TO MOTOR.
- S^{MS} — SINGLE-POLE, FRACTIONAL HORESPOWER, MOTOR STARTER/DISCONNECT SWITCH, MOUNTED ADJACENT TO MOTOR.
- S^{F} — SWITCH FURNISHED UNDER ANOTHER DIVISION, BUT INSTALLED AND WIRED UNDER THIS DIVISION, WALL MOUNTED, +42" UON.
- LINE-VOLTAGE THERMOSTAT, NIEC, WALL MOUNTED +48" UON. INSTALLED AND WIRED BY ELECTRICAL.
- CONTROL STATION, WALL MOUNTED, +42" UON.

RACEWAYS

- CONDUIT RUN EXPOSED ON WALL OR CEILING.
- CONDUIT RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND.
- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING.
- CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET. HOMERUN CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT TURNED UP, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT TURNED DOWN, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT CAPPED OR STUBBED WITH INSULATED BUSHINGS, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT SLEEVE, WITH INSULATING BUSHINGS.
- FLEXIBLE METALLIC CONDUIT, EQUIPMENT CONNECTION.
- CROSSMARKS ON BRANCH CIRCUIT CONDUIT RUNS INDICATE THE QUANTITY OF CONDUCTORS AS FOLLOWS (GROUND CONDUCTORS ARE NOT NOTED, BUT SHOULD BE INCLUDED IN EVERY CONDUIT WITH POWER CONDUCTORS):
  1. NO CROSSMARKS INDICATES TWO #12 AWG CONDUCTORS, UON.
  2. THREE TO SIX CROSSMARKS INDICATES THE QUANTITY OF #12 AWG CONDUCTORS, UON.
  3. SEVEN OR MORE CROSSMARKS INDICATES THE QUANTITY OF #10 AWG CONDUCTORS, UON.
- SURFACE RACEWAY; TYPE, DEVICE SPACING AND MOUNTING AS NOTED ON PLANS.
- CABLE TRAY, REFER TO PLANS AND/OR SPECS FOR SIZE AND MOUNTING.

DIGITAL LIGHTING CONTROLS

- D — SINGLE ZONE DIMMER SWITCH WITH ON/OFF/DIM CAPABILITIES, WALL MOUNTED, +42" UON.
- S — SINGLE ZONE SWITCH WITH ON/OFF CAPABILITIES, WALL MOUNTED, +42" UON.
- SC — SCENE OR MULTI-ZONE CONTROLLER WITH ON/OFF/DIM CAPABILITIES ZONE, WALL MOUNTED, +42" UON.
- DS — DAYLIGHT HARVESTING SENSOR, CEILING MOUNTED.
- M — OCCUPANCY SENSOR, CEILING MOUNTED FOR AREA COVERAGE.
- PLC — PLUG LOAD CONTROLLER, UL LISTED FOR CONTROLLING RECEPTACLES, 20A RATED.
- M — LIGHTING CONTROL OCCUPANCY SENSOR WITH DUAL LEVEL SWITCHING, WALL MOUNTED, +42" UON.
- M1 — LIGHTING CONTROL OCCUPANCY SENSOR WITH SINGLE LEVEL SWITCHING, WALL MOUNTED, +42" UON.

LIGHTING

- LUMINAIRE, RECESSED IN CEILING.
- LUMINAIRE, SURFACE MOUNTED.
- SUSPENDED LINEAR LUMINAIRE. SUSPENSION POINTS ARE GRAPHIC ONLY AND DO NOT REPRESENT ACTUAL LOCATION OR QUANTITY.
- LUMINAIRE, WALL MOUNTED.
- STRIP LUMINAIRE, SURFACE OR PENDANT MOUNTED.
- STRIP LUMINAIRE, SURFACE MOUNTED IN ARCHITECTURAL CEILING COVE.
- STRIP LUMINAIRE, SURFACE MOUNTED VERTICALLY ON WALL OR IN COVE.
- ROUND DOWNLIGHT LUMINAIRE, RECESSED IN CEILING.
- SQUARE DOWNLIGHT LUMINAIRE, RECESSED IN CEILING.
- DOWNLIGHT/INDUSTRIAL LUMINAIRE, SURFACE OR PENDANT MOUNTED.
- DIRECTIONAL LUMINAIRE, RECESSED IN CEILING.
- DIRECTIONAL LUMINAIRE, SURFACE OR PENDANT MOUNTED.
- LINEAR, MULTI-HEAD, ADJUSTABLE ACCENT LUMINAIRES, RECESSED IN CEILING.
- LINEAR WALLWASH LUMINAIRE, RECESSED IN CEILING.
- LINEAR WALLWASH LUMINAIRE, SURFACE OR PENDANT MOUNTED.
- SCONCE LUMINAIRE, WALL MOUNTED.
- LED TAPE STRIP TYPE LUMINAIRE, MOUNTED LOOSE OR IN CHANNEL.
- DECORATIVE LUMINAIRE, PENDANT MOUNTED.
- X — LINEAR TRACK SYSTEM WITH PLUG-IN ADJUSTABLE LUMINAIRE HEADS. TRACK SHALL BE EITHER RECESSED, SURFACE OR PENDANT MOUNTED TO CEILING AS NOTED IN FIXTURE SCHEDULE. 'X' NEXT TO JUNCTION BOX REPRESENTS INTEGRAL CURRENT LIMITER TRIP RATING.
- EXIT SIGN LUMINAIRE, CEILING OR WALL MOUNTED WITH DIRECTIONAL ARROWS AS NOTED ON PLANS. WORD 'EXIT' TO BE LOCATED IN SHADED FACE(S).
- COMBO EXIT SIGN AND EGRESS LUMINAIRE, CEILING OR WALL MOUNTED WITH ARROWS AS NOTED ON PLANS OR IN LUMINAIRE SCHEDULE.
- EMERGENCY SELF-POWERED BATTERY PACK WITH LUMINAIRE HEADS AS NOTED ON PLANS OR IN LUMINAIRE SCHEDULE.
- SHADING OF ANY LUMINAIRE INDICATES CRITICAL/STANDBY LIGHTING.
- HALF SHADING OF ANY LUMINAIRE INDICATES EMERGENCY/EGRESS LIGHTING.
- SINGLE-HEAD AREA LUMINAIRE WITH BRACKET ARM AND POLE, MOUNTED TO CONCRETE BASE.
- TWO-HEAD AREA LUMINAIRE WITH BRACKET ARMS AND POLE, MOUNTED TO CONCRETE BASE.
- SINGLE-HEAD AREA POST-TOP LUMINAIRE WITH POLE, MOUNTED TO CONCRETE BASE.
- AREA LUMINAIRE, SURFACE OR RECESSED MOUNTED TO WALL.
- LUMINAIRE BOLLARD, MOUNTED TO CONCRETE BASE.
- GROUNDWELL LUMINAIRE MOUNTED FLUSH IN FINISHED GRADE.
- FLOODLIGHT LUMINAIRE, STANCHION MOUNTED ABOVE GRADE.
- LINEAR SIGN-LIGHT LUMINAIRE, STANCHION MOUNTED ABOVE GRADE.
- STEPLIGHT LUMINAIRE, WALL MOUNTED.
- R — REMOTE POWER SUPPLY FOR LIGHTING

CONVENTIONS

- (1) — NUMBERED NOTE, APPLIES TO ALL DRAWINGS.
- [1] — NUMBERED SHEET NOTE, APPLIES TO DRAWING CONTAINING NOTES ONLY.
- (1) — OVERCURRENT PROTECTIVE DEVICE SPACE IDENTIFICATION TAG. REFERS TO LOCATION OF PROTECTIVE OR CONTROL DEVICE WITHIN SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS, ETC.
- (NAME) — EQUIPMENT IDENTIFICATION TAG: ITEM FURNISHED AND INSTALLED UNDER ANOTHER SECTION AND WIRED UNDER THIS SECTION.
- [2004] — FEEDER SIZE. REFER TO FEEDER SCHEDULE.

DETAIL REFERENCE:
- (1 / E-801)
  - DETAIL DESIGNATION
  - SHEET NUMBER

LUMINAIRE IDENTIFICATION TAG:
- (2 - F3)
  - FIXTURE TYPE
  - QUANTITY

SWITCHBOARDS, DISTRIBUTION BOARDS, AND PANELBOARDS:
- (2 E L 2 A)
  - BOARD DESIGNATION
  - FLOOR NUMBER
  - VOLTAGE CLASSIFICATION
    - MS : MAIN SWITCHBOARD
    - LD : 120/208 DIST. BOARD
    - L : 120/208 PANELBOARD
  - POWER SOURCE
    - : NORMAL
    - E : EMERGENCY OR ESSENTIAL
    - U : UPS
    - C : CRITICAL
    - S : LIFE SAFETY
  - BUILDING NUMBER (WHEN APPLICABLE)

FIRE ALARM

- C — SMOKE DETECTOR INITIATING DEVICE, CEILING MOUNTED IN FLUSH OR SURFACE JUNCTION BOX. "C" DENOTES MULTI-CRITERIA CARBON MONOXIDE AND SMOKE DETECTOR.
- SMOKE DETECTOR INITIATING DEVICE, WALL MOUNTED IN FLUSH JUNCTION BOX, MAXIMUM 6" BELOW CEILING.
- SMOKE DETECTOR INITIATING DEVICE, MOUNTED TO STRUCTURE ABOVE SUSPENDED CEILING IN SURFACE JUNCTION BOX OR SUSPENDED IN JUNCTION BOX IN FRONT OF RETURN AIR FIRE/SMOKE DAMPERS.
- SMOKE DETECTOR INITIATING DEVICE, DUCT-MOUNTED TYPE WITH SAMPLING TUBE, LOCATED AT SUPPLY AIR FANS 2000cfm AND LARGER.
- SMOKE DETECTOR INITIATING DEVICE, IN-DUCT MOUNTED TYPE AT DUCTED SUPPLY AIR FIRE/SMOKE DAMPERS.
- HEAT DETECTOR INITIATING DEVICE, CEILING MOUNTED IN FLUSH OR SURFACE JUNCTION BOX.
- HEAT DETECTOR INITIATING DEVICE, WALL MOUNTED IN FLUSH JUNCTION BOX, MAXIMUM 6" BELOW CEILING.
- HEAT DETECTOR INITIATING DEVICE, MOUNTED TO STRUCTURE ABOVE SUSPENDED CEILING IN SURFACE JUNCTION BOX.
- F — MANUAL PULL STATION INITIATING DEVICE, WALL MOUNTED AT +48" UON.
- SPRINKLER SYSTEM WATER FLOW SWITCH, NIEC. SYMBOL DENOTES INTERFACE FOR MONITORING CONNECTION FROM FIRE ALARM SYSTEM.
- SPRINKLER SYSTEM TAMPER SWITCH, NIEC. SYMBOL DENOTES INTERFACE FOR MONITORING CONNECTION FROM FIRE ALARM SYSTEM.
- SPRINKLER SYSTEM POST INDICATING VALVE 'PIV', NIEC. SYMBOL DENOTES INTERFACE FOR MONITORING CONNECTION FROM FIRE ALARM SYSTEM. INCLUDE A REMOTE MOUNTED ADDRESSABLE MONITORING MODULE AT PIV.
- SM — REMOTE MOUNTED SINGLE INPUT, ADDRESSABLE, MONITORING MODULE FOR INITIATING CIRCUIT CONNECTION.
- DM — REMOTE MOUNTED DUAL INPUT, ADDRESSABLE, MONITORING MODULE FOR INITIATING CIRCUIT CONNECTION.
- CR — REMOTE MOUNTED PROGRAMMABLE CONTROL RELAY MODULE FOR ADDRESSABLE CONTROL.
- FRAP — FIREMANS REMOTE ANNUNCIATOR PANEL FRAP, FLUSH WALL MOUNTED, +42" UON.
- MAGNETIC TYPE DOOR HOLD OPEN/RELEASE DEVICE, WALL MOUNTED, NIEC. SYMBOL DENOTES INTERFACE FOR POWER AND CONTROL CONNECTIONS FROM FIRE ALARM SYSTEM.
- DOOR HOLD OPEN/RELEASE DEVICE INTEGRATED IN DOOR HARDWARE CLOSURE EQUIPMENT, NIEC. SYMBOL DENOTES INTERFACE FOR POWER AND CONTROL CONNECTIONS FROM FIRE ALARM SYSTEM.
- AUDIBLE NOTIFICATION APPLIANCE, WALL MOUNTED, 6" BELOW CEILING OR +80" AFF, WHICHEVER IS LOWER.
- VISIBLE NOTIFICATION APPLIANCE, WALL MOUNTED, 6" BELOW CEILING OR +80" AFF, WHICHEVER IS LOWER. NUMBER ASSOCIATED WITH 'cd' REPRESENTS CANDELA RATING OF STROBE.
- AUDIBLE/VISIBLE NOTIFICATION APPLIANCE, WALL MOUNTED, 6" BELOW CEILING OR +80" AFF, WHICHEVER IS LOWER. NUMBER ASSOCIATED WITH 'cd' REPRESENTS CANDELA RATING OF STROBE.
- AUDIBLE NOTIFICATION APPLIANCE, CEILING MOUNTED IN FLUSH BACK BOX.
- VISIBLE NOTIFICATION APPLIANCE, CEILING MOUNTED IN FLUSH BACK BOX. NUMBER ASSOCIATED WITH 'cd' REPRESENTS CANDELA RATING OF STROBE.
- AUDIBLE/VISIBLE NOTIFICATION APPLIANCE, CEILING MOUNTED IN FLUSH BACK BOX. NUMBER ASSOCIATED WITH 'cd' REPRESENTS CANDELA RATING OF STROBE.
- B — FIRE ALARM BELL FOR SPRINKLER FLOW ANNUNCIATOR, NIEC, POWERED AND INSTALLED BY ELECTRICAL, WALL MOUNTED ON EXTERIOR OF BUILDING.
- THERMISTOR SENSOR DEVICE IN FSAE LOBBIES FOR TEMPERATURE MONITORING, WALL MOUNTED 6" BELOW CEILING.
- SMOKE ALARM FOR RESIDENTIAL DWELLING UNITS, NON-ADDRESSABLE, 120V DEVICE WITH BATTERY BACK-UP, CEILING MOUNTED IN FLUSH OR SURFACE JUNCTION BOX.
- SMOKE ALARM FOR RESIDENTIAL DWELLING UNITS, NON-ADDRESSABLE, 120V DEVICE WITH BATTERY BACK-UP, WALL MOUNTED MAXIMUM 6" BELOW CEILING IN FLUSH JUNCTION BOX.
- C — COMBINATION SMOKE AND CARBON MONOXIDE ALARM FOR RESIDENTIAL DWELLING UNITS, NON-ADDRESSABLE, 120V DEVICE WITH BATTERY BACK-UP, CEILING MOUNTED IN FLUSH OR SURFACE JUNCTION BOX.
- C — COMBINATION SMOKE AND CARBON MONOXIDE ALARM FOR RESIDENTIAL DWELLING UNITS, NON-ADDRESSABLE, 120V DEVICE WITH BATTERY BACK-UP, WALL MOUNTED MAXIMUM 6" BELOW CEILING IN FLUSH JUNCTION BOX.

LINE VOLTAGE LIGHTING CONTROL

- S — SINGLE-POLE, SINGLE-THROW SWITCH, WALL MOUNTED, +42" UON.
- S^{3} — THREE-WAY SWITCH, WALL MOUNTED, +42" UON.
- S^{4} — FOUR-WAY SWITCH, WALL MOUNTED, +42" UON.
- S^{K} — SINGLE-POLE, SINGLE-THROW SWITCH, KEY-OPERATED, WALL MOUNTED, +42" UON.
- S^{P} — SINGLE-POLE, SINGLE-THROW SWITCH, WITH PILOT LIGHT, WALL MOUNTED, +42" UON.
- S^{D} — WALLBOX DIMMER SWITCH, +42" UON. SIZED PER CONNECTED LOAD ON PLANS AND FURNISHED FOR LAMP SOURCE SERVED. PROVIDED FOR DERATING WHEN INSTALLED GANGED LOCATIONS.
- S^{TC} — SINGLE-POLE, TIMER CONTROLLED SWITCH, WALL MOUNTED, +42" UON.
- S^{EP} — SINGLE-POLE, SINGLE-THROW SWITCH, EXPLOSION PROOF, WALL MOUNTED, +42" UON.
- S^{V} — LINE VOLTAGE SINGLE RELAY VACANCY SENSOR, WALL MOUNTED, +42" UON.
- S^{WP} — SINGLE-POLE, SINGLE-THROW SWITCH WITH WEATHERPROOF COVER, WALL MOUNTED, +42" UON.
- S^{H} — SINGLE-POLE SWITCH WITH AUTOMATIC HUMIDITY CONTROL, WALL MOUNTED, +42" UON.
- S^{M} — DUAL LEVEL OCCUPANCY SENSOR SWITCH, WALL MOUNTED, +42" UON.
- S^{M1} — SINGLE LEVEL OCCUPANCY SENSOR SWITCH, WALL MOUNTED, +42" UON.
- S^{DM} — COMBINATION OCCUPANCY SENSOR AND DIMMER SWITCH, WALL MOUNTED, +42" UON.
- OS — OCCUPANCY SENSOR FOR AREA COVERAGE, CEILING MOUNTED.
- PC — PHOTOELECTRIC CELL SENSOR, CEILING MOUNTED.
- ETD — EGRESS LIGHTING TRANSFER DEVICE.

TELECOMMUNICATIONS

- TELECOMMUNICATION DEVICE, WALL MOUNTED, +18" UON.
- TELECOMMUNICATION DEVICE, 2 DATA DROPS UON, WALL MOUNTED +42" OR 6" ABOVE BACK SPLASH, UON, BUT NO HIGHER THAN ADA REQUIREMENTS.
- TELECOMMUNICATION DEVICE, MOUNTED IN FLUSH FLOOR BOX.
- TELECOMMUNICATION DEVICE, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING.
- TELECOMMUNICATION DEVICE, MOUNTED ABOVE ACCESSIBLE CEILING IN SURFACE MOUNT BOX.
- COMBINATION POWER/TELECOMMUNICATION DEVICES, MOUNTED IN FLUSH FLOOR BOX. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
- COMBINATION POWER/TELECOMMUNICATION DEVICES, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTINGS. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
- WAP — WIRELESS ACCESS POINT, WALL MOUNTED, 8" BELOW FINISHED CEILING, UON.
- WAP — WIRELESS ACCESS POINT, CEILING MOUNTED.
- #D/#V — QUANTITY OF DATA AND/OR VOICE TELECOMMUNICATIONS DEVICES.
- EL — TELECOMMUNICATION DEVICE, WALL MOUNTED, +18" UON, FOR ELEVATOR USE IN ELEVATOR MACHINE/CONTROLLER ROOM.
- EM — TELECOMMUNICATION DEVICE, FOR EMERGENCY PHONES, MOUNTED AS NOTED ON PLANS.

POWER DISTRIBUTION

- PANELBOARD, 277/480V, SURFACE MOUNTED ON WALL.
- PANELBOARD, 277/480V, FLUSH MOUNTED IN WALL.
- PANELBOARD, 120/208V, SURFACE MOUNTED ON WALL.
- PANELBOARD, 120/208V, FLUSH MOUNTED IN WALL.
- ELECTRIC MOTOR, NIEC. MAKE POWER CONNECTIONS ONLY AS NOTED ON PLANS.
- F — INDOOR EXHAUST FAN MOTOR, SINGLE PHASE. MAKE POWER CONNECTIONS TO INCLUDE JUNCTION BOX MOUNTED MANUAL MOTOR STARTER AND DISCONNECT ADJACENT TO FAN WITH 2 #12 CONDUCTORS PLUS GROUND IN 1/2" FLEXIBLE CONDUIT BETWEEN STARTER AND MOTOR.
- V — INDOOR FAN POWERED VAV BOX MOTOR, SINGLE PHASE, MOUNTED FROM STRUCTURE ABOVE, NIEC. MAKE POWER CONNECTIONS TO INCLUDE JUNCTION BOX MOUNTED MANUAL MOTOR STARTER AND DISCONNECT ADJACENT TO VAV BOX WITH 2 #12 CONDUCTORS PLUS GROUND IN 1/2" FLEXIBLE CONDUIT BETWEEN STARTER AND MOTOR.
- D 2 — MOTOR OPERATED FIRE/SMOKE DAMPER 'FSD', NIEC. SYMBOL DENOTES INTERFACE FOR POWER CONNECTIONS. ALSO, INCLUDES LOCAL POWER DISCONNECT MEANS. ADJACENT NUMBER INDICATES QUANTITY OF ACTUATORS REQUIRING CONNECTION PER FSD, IF MORE THAN 1.
- H — COMBINATION EXHAUST FAN AND DOWNLIGHT FIXTURE, CEILING MOUNTED. FAN AND LIGHT SHALL BE CONTROLLED SEPARATELY.
- P — PULLBOX OR HANDHOLE, SIZE AND TYPE AS NOTED ON PLANS.
- A AF — SAFETY DISCONNECT SWITCH, 3 POLE, UON. ADJACENT NUMBER INDICATES FUSE SIZE WHEN APPLICABLE. LABELING CONVENTION AS FOLLOWS:
  - A: 30A, NON-FUSED — AF: 30A, FUSED
  - B: 60A, NON-FUSED — BF: 60A, FUSED
  - C: 100A, NON-FUSED — CF: 100A, FUSED
  - D: 200A, NON-FUSED — DF: 200A, FUSED
  - E: 400A, NON-FUSED — EF: 400A, FUSED
- 1 — MAGNETIC MOTOR STARTER. ADJACENT NUMBER INDICATES NEMA SIZE OF STARTER.
- 1 — COMBINATION MAGNETIC MOTOR STARTER WITH OVERCURRENT PROTECTION DISCONNECT. ADJACENT NUMBER INDICATES NEMA SIZE OF STARTER.
- PACKAGE MOTOR CONTROLLER OR STARTER FURNISHED AND INSTALLED UNDER ANOTHER DIVISION WITH EQUIPMENT CONTROLLED. PROVIDE SINGLE-POINT POWER SERVICE CONNECTION UNDER THIS DIVISION AS NOTED ON PLANS.
- VFD — VARIABLE FREQUENCY DRIVE FURNISHED UNDER ANOTHER DIVISION. INSTALL VFD AND PROVIDE POWER SERVICE CONNECTION UNDER THIS DIVISION AS NOTED ON PLANS.
- VFD — VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT FURNISHED UNDER ANOTHER DIVISION. INSTALL VDF AND PROVIDE POWER SERVICE CONNECTION UNDER THIS DIVISION AS NOTED ON PLANS.
- DRIVEN GROUND ROD.
- DRIVEN GROUND ROD IN GROUND WELL WITH COVER.
- G — GROUND FAULT RELAY INTEGRAL WITH CIRCUIT BREAKER.
- EO — ELECTRICALLY OPERATED INTEGRAL.
- ST — SHUNT-TRIP INTEGRAL WITH OVERCURRENT PROTECTION DEVICES.
- K 1 — KIRK-KEY INTERLOCK INTEGRAL WITH OVERCURRENT PROTECTION DEVICES. ADJACENT NUMBER CORRESPONDS WITH DEVICE INTERLOCK.
- M — UTILITY METER, MOUNTED IN UTILITY METER SECTION OF SWITCHGEAR.
- GFR — GROUND FAULT RELAY WITH SHUNT TRIP.
- GFA — GROUND FAULT ALARM, NO SHUNT TRIP.
- CONNECTION TO GROUND.
- CURRENT TRANSFORMERS.

POWER DISTRIBUTION

- AUTOMATIC OR MANUAL TRANSFER SWITCH.
- G — EMERGENCY GENERATOR.
- BATTERIES.
- NEUTRAL SERVICE DISCONNECT LINK.
- SPD — SURGE PROTECTION DEVICE, 'SPD'.
- C — CONTROL CONTACTOR.
- NORMALLY OPEN CONTACT.
- NORMALLY CLOSED CONTACT.
- DMU — DIGITAL METERING UNIT.
- GND — GROUND BUS.
- NEU — NEUTRAL BUS.

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN
SAN DIEGO | SANTA BARBARA
https://www.engent.com

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA, 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

JOB NO.
21186 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION
SYMBOLS

E002

C:\Users\casey.dowling\Documents\Kensington Public Safety Building_E_Central_V21_casey.dowling\YCY28.rvt
12/17/2021 4:12:34 PM

LUMINAIRE SCHEDULE

LUMINAIRE SCHEDULE NOTES:

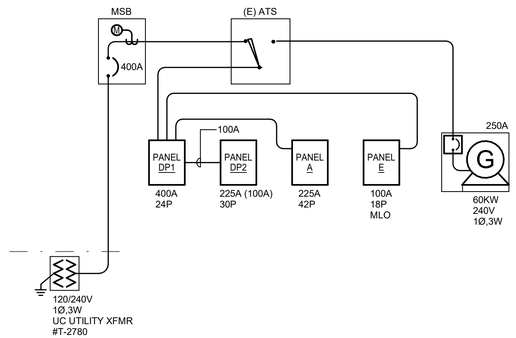
REFER TO SPECIFICATION "265000 LIGHTING" FOR DETAILS ON TIER REQUIREMENTS. IN ABSENCE OF SPECIFICATION SECTION, REFER TO THE FOLLOWING TIER DEFINITIONS:

TIER 1 (LEGACY CRI 90): FOR APPLICATIONS WHERE COLOR FIDELITY IS CRITICAL, SUCH AS MUSEUMS, GALLERIES, HIGH-END RESIDENTIAL, ETC.
R9 VALUE; MINIMUM 80. TM30 VALUES; 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.

TYPE	IMAGE	MANUFACTURER CATALOG NUMBER	DESCRIPTION	LIGHT SOURCE	TIER	DRIVER, TRANSFORMER	WATTAGE	VOLTAGE	DETAIL
F1		NULITE BOUNCE SERIES	RECESSED MODULAR 2X2 LUMINAIRE, SKYLIGHT FORMAT WITH REGRESSED PANEL.	LED 2000 NOMINAL INITIAL LUMENS 3000K	1	INTEGRAL DIMMING DRIVER, 100%-10% RANGE	19 W	120 V	
F1A		NULITE BOUNCE SERIES	SIMILAR TO TYPE 'F1' EXCEPT WITH INCREASED LUMEN OUTPUT	LED 3500 NOMINAL INITIAL LUMENS 3000K	1	INTEGRAL DIMMING DRIVER, 100%-10% RANGE	36 W	120 V	
F2		a.LIGHT D5 SERIES	RECESSED LINEAR LUMINAIRE, 4 INCHES WIDE, 48 INCH LENGTH. FLUSH OPAL LENS.	LED 3600 NOMINAL INITIAL LUMENS 3000K	1	INTEGRAL DIMMING DRIVER, 100%-10% RANGE	32 W	120 V	
F3		SIGNIFY FLUXSTREAM SERIES	FOUR FOOT LENSED STRIP, NOMINAL 4 FOOT LENGTH.	LED 3000 NOMINAL INITIAL LUMENS 3000K	2	INTEGRAL NON-DIM DRIVER	25 W	120 V	
F3E		SIGNIFY FLUXSTREAM SERIES	SIMILAR TO TYPE 'F3' EXCEPT WITH EMERGENCY BATTERY PACK.	LED 3000 NOMINAL INITIAL LUMENS 3000K	2	INTEGRAL NON-DIM DRIVER	25 W	120 V	
F4		TBD	DECORATIVE VANITY LUMINAIRE				0 W	120 V	
F5		DMF DRD+ONE FRAME SERIES	RECESSED 4 INCH DIAMETER DOWNLIGHT WITH REGRESSED LENS. WHITE CONE FINISH. WARM DIM MODULE.	LED 750 NOMINAL INITIAL LUMENS 3000K-1800K RANGE	1	INTEGRAL DIMMING DRIVER, 100%-1% RANGE	10 W	120 V	
F5A		DMF DRD+ONE FRAME SERIES	SIMILAR TO TYPE 'F5' EXCEPT WITHOUT WARM DIMMING.	LED 750 NOMINAL INITIAL LUMENS 3000K	1	INTEGRAL DIMMING DRIVER, 100%-1% RANGE	10 W	120 V	
F5B		DMF DRD+ONE FRAME SERIES	SIMILAR TO TYPE 'F5' EXCEPT WITHOUT WARM DIMMING, INCREASED LUMEN PACKAGE	LED 1250 NOMINAL INITIAL LUMENS 3000K	1	INTEGRAL DIMMING DRIVER, 100%-1% RANGE	14 W	120 V	
F6		TBD	WALL MOUNTED READING LIGHT WITH FLEXIBLE ARM.				0 W	120 V	
F7		TBD	LED TAPELIGHT IN EXTRUSION		2		0 W	120 V	
F8		H.E.WILLIAMS EGL2 SERIES	SURFACE MOUNTED WIDE BODY ENCLOSED AND GASKETED LUMINAIRE. INTEGRAL MOTION SENSOR.	LED 10000 NOMINAL INITIAL LUMENS 4000K	2	INTEGRAL DIMMING DRIVER, 100%-10% RANGE	73 W	120 V	
F8A		H.E.WILLIAMS 96 SERIES	SIMILAR TO TYPE 'F8' EXCEPT NARROW BODY, REDUCED LUMEN PACKAGE	LED 4000 NOMINAL INITIAL LUMENS 4000K	2	INTEGRAL NON-DIM DRIVER	73 W	120 V	
F9		KENALL HASESI SERIES	SURFACE MOUNTED 2 X 4 LENSED LUMINAIRE	LED 11200 NOMINAL INITIAL LUMENS 4000K	2	INTEGRAL DIMMING DRIVER, 100%-10% RANGE	72 W	120 V	
F10		SIGNIFY LIGHTOLIER #S7R-9-30K-10 (FINISH) -Z10U	7 INCH DIAMETER SURFACE DOWNLIGHT / WALLMOUNT. J-BOX MOUNTED.	LED 1000 NOMINAL INITIAL LUMENS 3000K	2	INTEGRAL DIMMING DRIVER, 100%-10% RANGE	15 W	120 V	
F11		A.LIGHT ALD2ST SERIES	WALL MOUNTED LINEAR DIRECT / INDIRECT LUMINAIRE, NOMINAL 4 INCH SQUARE, 6 FOOT LENGTH. ASYMMETRIC UPLIGHT AND DOWNLIGHT DISTRIBUTION. SEPARATE SWITCHING. STANDARD COLOR AS SELECTED BY ARCHITECT.	LED 12700 NOMINAL INITIAL LUMENS 3000K	2	DUAL INTEGRAL DIMMING DRIVER, 100%-10% RANGE	120 W	120 V	
F12		TBD	SMALL PENDANT OVER KITCHEN ISLAND				0 W	120 V	
F12A		TBD	PENDANT OVER DINING TABLE				0 W	120 V	
F13		TBD	EXTERIOR FULL CUTOFF SCONCE				0 W	120 V	



1 SINGLE LINE DIAGRAM

SCALE:NONE

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN
SAN DIEGO | SANTA BARBARA
https://www.engent.com

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA, 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

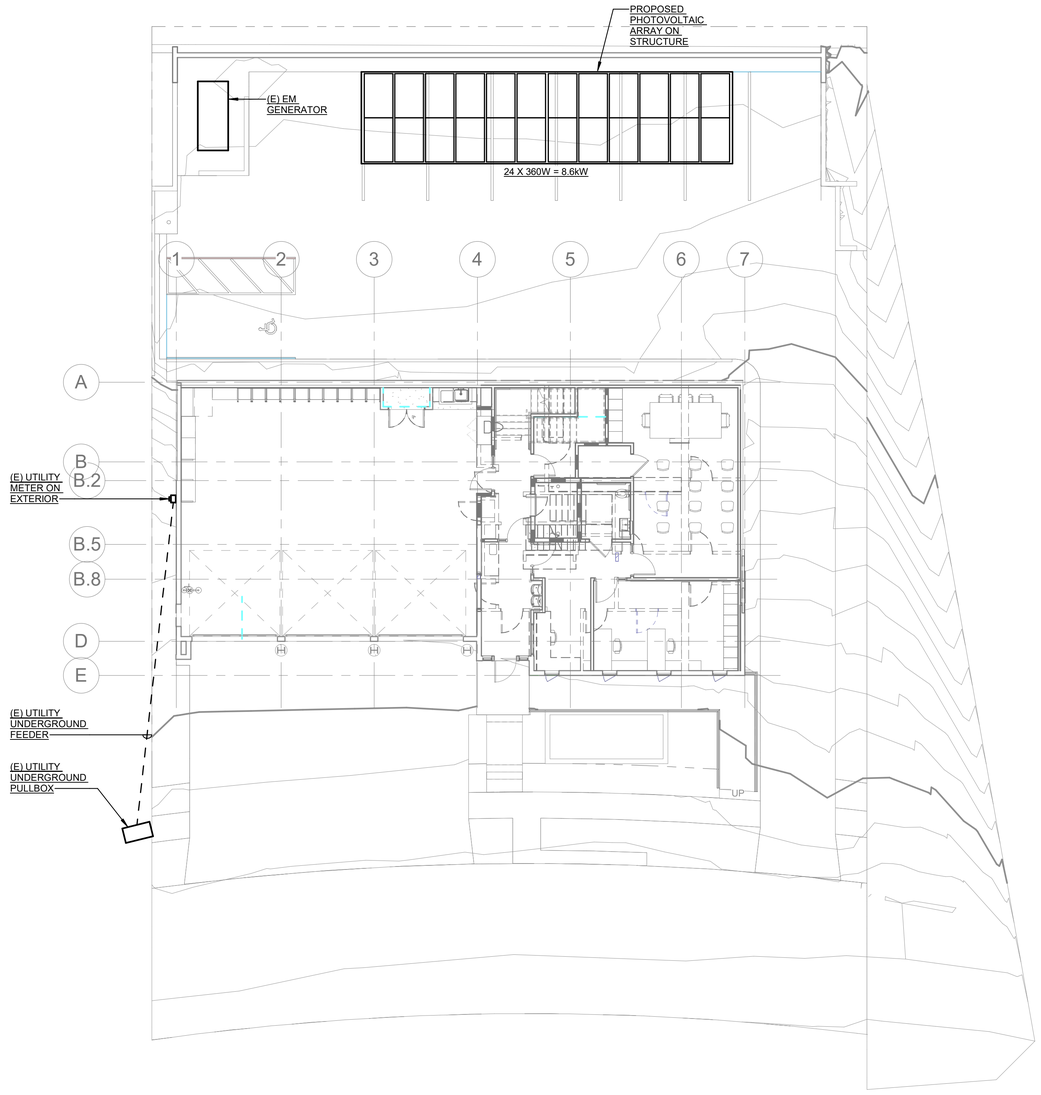
JOB NO.
21186 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION
SCHEDULE AND SINGLE LINE DIAGRAM

E004

C:\Users\casey.dowling\Documents\Kensington Public Safety Building_E_Central_V21_casey.dowlingYCY28.rvt

12/17/2021 4:12:34 PM



1 OVERALL SITE PLAN

SCALE: 1" = 10'-0"

The Engineering Enterprise

CONSULTING ENGINEERS

ALAMEDA | AUBURN
SAN DIEGO | SANTA BARBARA

https://www.engent.com

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA, 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

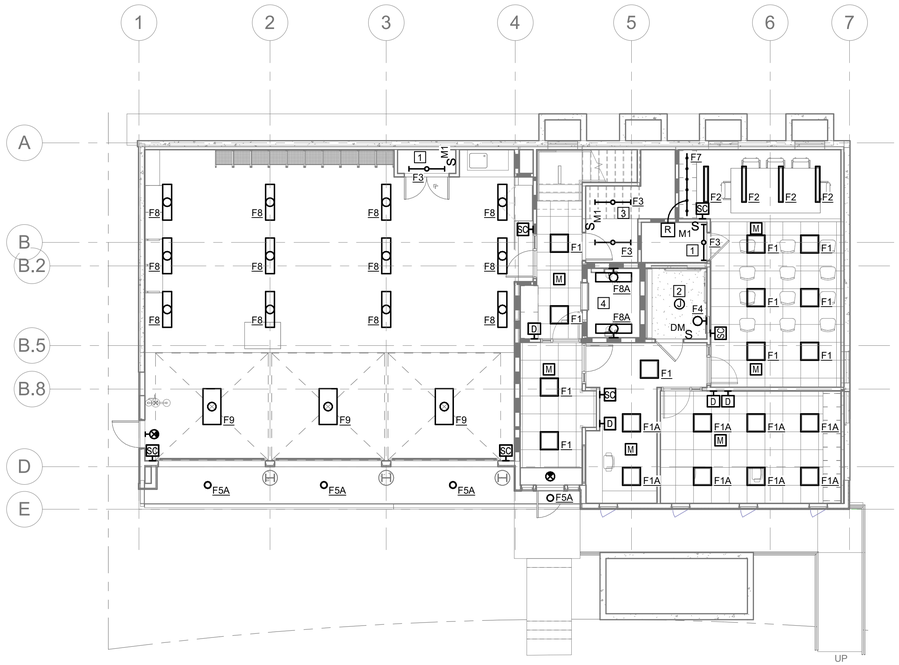
JOB NO.
21186 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION
SITE PLAN

E101

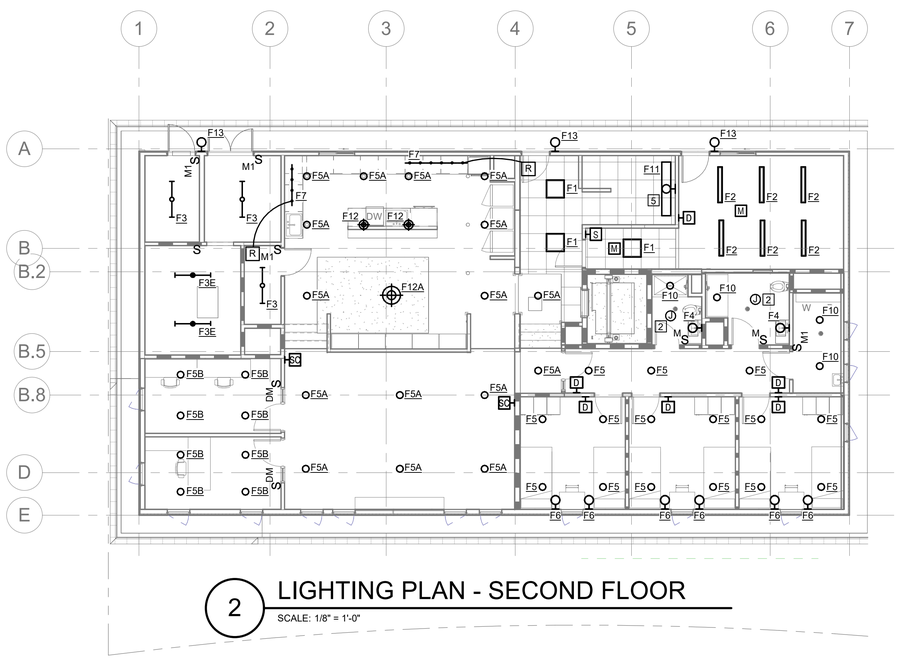
C:\Users\casey.dowling\Documents\Kensington Public Safety Building_E_Central_V21_casey.dowlingYCY28.rvt

12/17/2021 4:12:34 PM



1 LIGHTING PLAN - GROUND FLOOR

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



2 LIGHTING PLAN - SECOND FLOOR

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

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.

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN
SAN DIEGO | SANTA BARBARA
https://www.engent.com

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA, 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

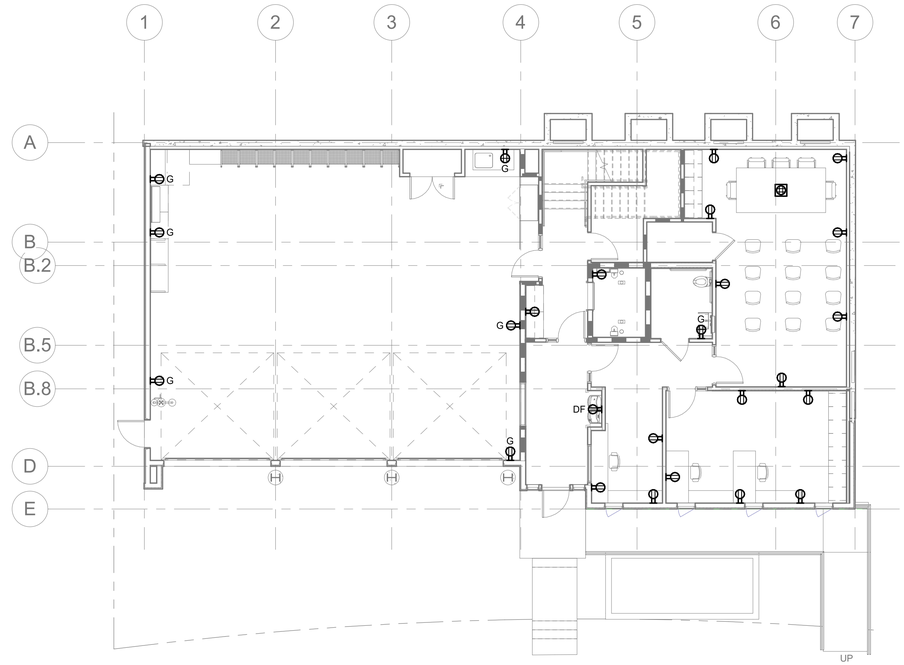
JOB NO.
21186 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION
LIGHTING PLANS

E201

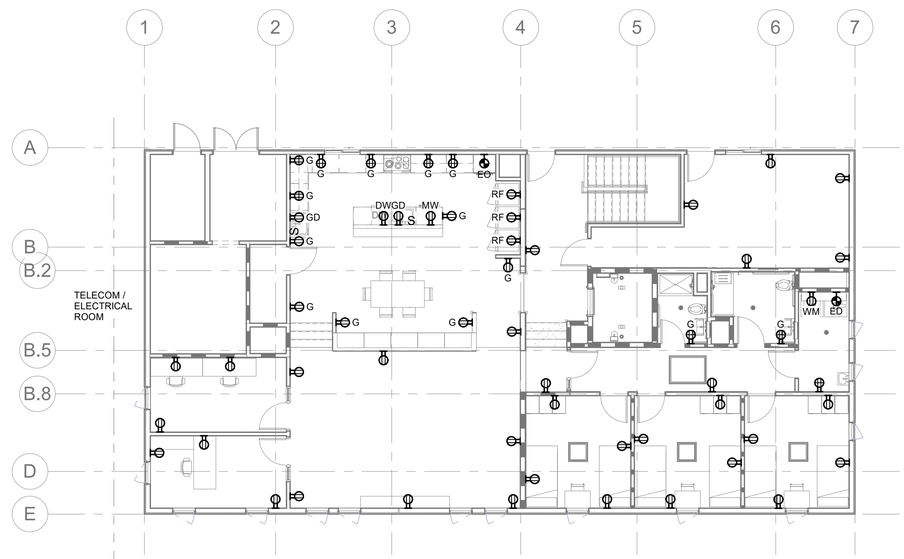
C:\Users\casey.dowling\Documents\Kensington Public Safety Building_E_Central_V21_casey.dowlingYCY28.rvt

12/17/2021 4:12:36 PM



1 POWER & LOW VOLTAGE PLAN - GROUND FLOOR

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



2 POWER & LOW VOLTAGE PLAN - SECOND FLOOR AND PARTIAL ROOF

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

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN
SAN DIEGO | SANTA BARBARA
https://www.engent.com

STAMP

PROJECT ADDRESS

217 ARLINGTON AVE.
KENSINGTON, CA, 94707

PROJECT TEAM

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

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

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

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

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

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

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

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

NO.	DESCRIPTION	DATE

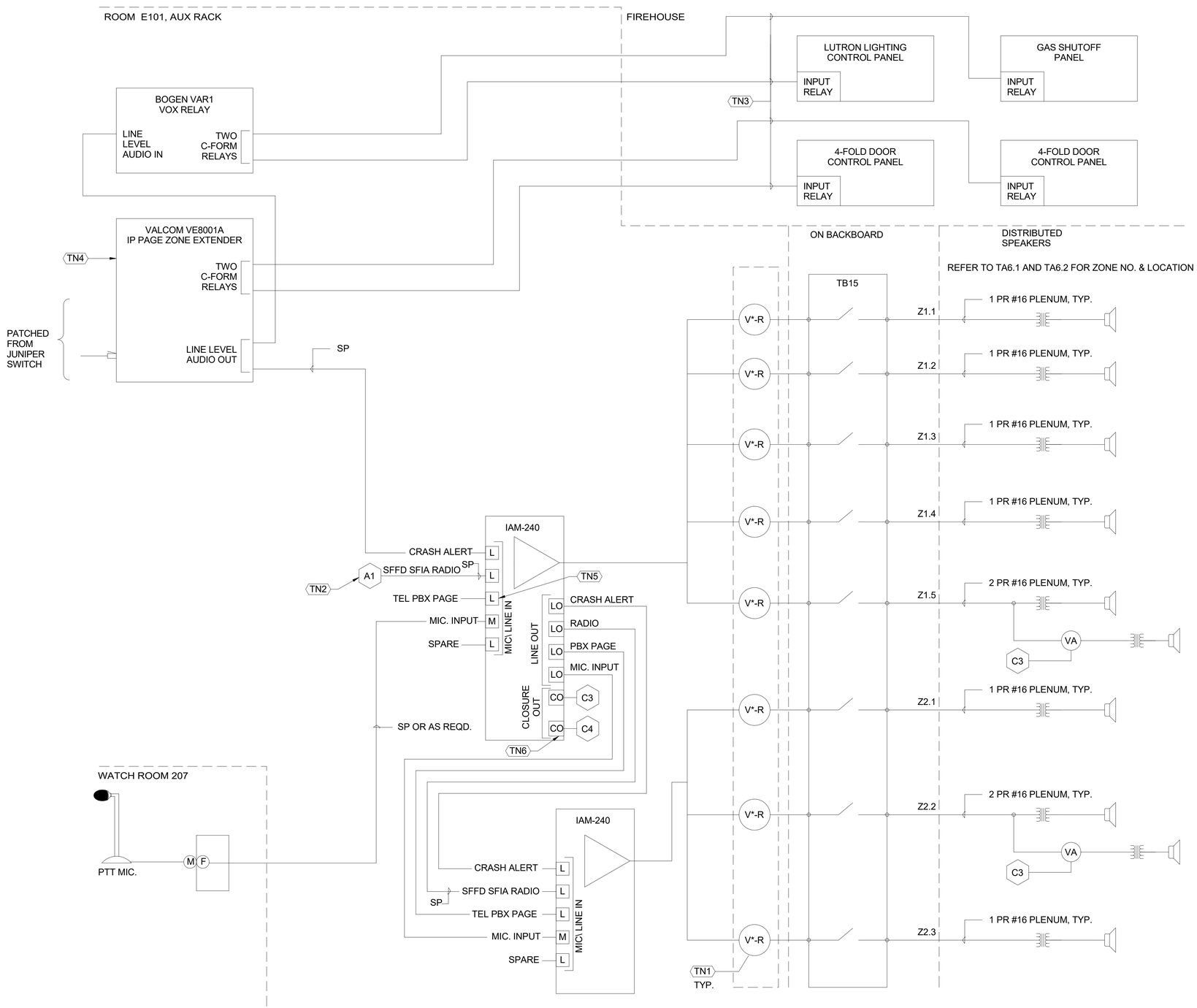
JOB NO.
21186 KENSINGTON PUBLIC SAFETY BUILDING

DESCRIPTION
POWER AND LOW VOLTAGE PLANS

E301

C:\Users\casey.dowling\Documents\Kensington Public Safety Building_E_Central_V21_casey.dowlingYCY28.rvt

12/17/2021 4:12:37 PM



1 PUBLIC ADDRESS SINGLE LINE DIAGRAM

NTS

SHEET NOTES

1. THE PAGING SYSTEM UTILIZES A 70V DISTRIBUTION SYSTEM. REFER TO SPEC. SECTION 27 51 16 FOR OTHER REQUIREMENTS.
2. ON RECEIPT OF CLOSURE, WALL MTD VA AND VB ATTENUATORS DROP OUT OF CIRCUIT, PERMITTING UNATTENUATED SIGNAL TO PASS TO SPEAKERS.

KEYNOTES

TN	COMMUNICATIONS SYSTEMS COMPLY WITH DIVISION 27.
TN1	RACK MOUNTED VOLUME CONTROL. SIZE TO MATCH CONNECTED LOAD.
TN2	EXTEND TO SFIA SUPPLIED RADIO REPEATER.
TN3	PROVIDE 2# 16AWG CONTROL CABLE EQUAL TO WEST PENN 225
TN4	PROVIDE FOUR (4) SINGLE SIDE SHELF EQUAL TO CPI 40074-700 TO PROVIDE AUDIO AND RADIO EQUIPMENT.
TN5	PROVIDE TOA ZP-001T TELEPHONE ZONE PAGING MODULE TO BE USED TO RECEIVE PAGING INPUT FROM THE AVAYA PBX.
TN6	PROVIDE TOA C-001T INPUT/OUTPUT CONTROL MODULE. WHEN A CRASH ALERT OR SFIA RADIO INPUT AUDIO IS RECEIVED, INITIATE CONTROL OUTPUT RELAY TO MUTE THE BUILDING FIRE ALARM AUDIO. COORDINATE WITH DIV. 28 CONTRACTOR.
TN7	PER FIRE ALARM MANUFACTURER'S RECOMMENDATION.

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
PUBLIC ADDRESS SINGLINE LINE DIAGRAM

TA702

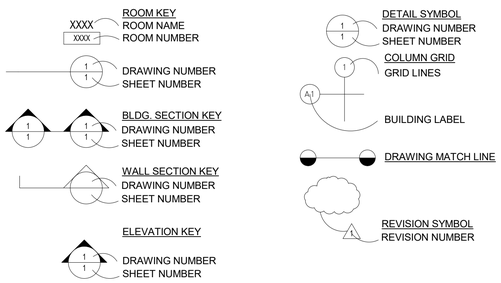
C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:46:23 PM

COMMUNICATIONS SYSTEMS GENERAL NOTES

1. REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.
2. 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

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

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

LEGEND

	SURFACE RACEWAY. 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
	CABLE/RACEWAY TURNS DOWN
	HOME RUN
ACJ	CONDUIT TO CABLE TRANSITION POINT
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

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

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

ABBREVIATIONS

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

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

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

TN001

C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:46:23 PM

SYMBOL	DEVICE	FUNCTION OR SERVICE	LOCATION	WORK OF	ROUGH-IN	RACEWAY	ELEVATION	CABLE FILL & HOMERUN DESTINATION, U.O.N.	FINISH	WEIGHT, LB	DETAIL SHEET(S)
	WALL SLEEVE/CONDUIT	PATHWAY	INDICATED	27 05 33	N/A	R5					
FC6	FLOOR BOX, CONCRETE SLAB, FOR AUDIO VISUAL.	AUDIO VISUAL	FLUSH IN FLOOR. COORDINATE EXACT LOCATION/DIMENSION WITH THE ARCHITECT.	27 05 33	FLOOR BOX FC6 WITH MANUFACTURERS "POUR PAN" TO PROTECT AT SLAB ON GRADE CONDITIONS.	R4	FLUSH IN FLOOR	AS SCHEDULED	COORDINATE COVER TYPE WITH ARCHITECT. SUBMIT CUT-SHEETS.		
3D	DATA AND VOICE DEVICE PLATE. DN1	COMMUNICATIONS	INDICATED	27 05 33, 27 15 00	PROVIDE ONE (1) 5" SQUARE x 2.875" DEEP BOX WITH 1 GANG RING EQUAL TO RANDL INDUSTRIES 5 SQUARE.	R3	+18" AFF TO CL, U.O.N.	AS SCHEDULED	WHITE		
1B	BROADBAND VIDEO DEVICE PLATE. DN2	COMMUNICATIONS	INDICATED	28 05 33, 27 15 00	PROVIDE ONE (1) 5" SQUARE x 2.875" DEEP BOX WITH 1 GANG RING EQUAL TO RANDL INDUSTRIES 5 SQUARE.	R3	INDICATED	1 TRIPLE SHIELD RG6 COAX			
R15	FLOOR MOUNTED STATION CABLING/SWITCH RACK, 2 POST, 44 RU, SEISMIC RATED.	COMMUNICATIONS	FLOOR	27 11 16			BOLT TO SLAB		BLACK	250	
R28	FLOOR MOUNTED SERVER CABINET, 44 RU MIN, 30" WIDE MAX, 42" DEEP, 4 POST, SEISMIC RATED.	COMMUNICATIONS	FLOOR	27 11 16			BOLT TO SLAB.		BLACK	500	

NOTE NO.	DEVICE NOTES
DN1	SUBSCRIPT INDICATES QUANTITY OF CATEGORY 6 CABLES PROVIDED AT WAO. EXAMPLE: 2D REPRESENTS 2 CAT6 CABLES AND JACKS TERMINATED AT THE INDICATED WAO AND SERVING TR.
DN2	SUBSCRIPT INDICATES QUANTITY OF COAX CABLES PROVIDED AT WAO. BROADBAND VIDEO CABLING IS RG-6. EXAMPLE: 1B IS 1 RG-6 TERMINATED AT THE INDICATED WAO AND SERVING TR.
	LOCATION NOTES
LR1	FLUSH IN FLOOR. COORDINATE EXACT LOCATION/DIMENSION WITH ARCHITECTURAL PLANS.

	RACEWAY NOTES
R1	3/4" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.
R2	1" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.
R3	1.25" C. STUBBED UP TO ACCESSIBLE CEILING. PROVIDE J-HOOKS AT 4' O.C. IN ACCESSIBLE CEILING.
R4	FOR AV, (2) 1-1/4" C TO 4 GANG COMPARTMENT STUBBED TO ACCESSIBLE CEILING. FOR TELECOM, (1) 1-1/4" TO 1 GANG COMPARTMENT AND HOMERUN THE CONDUIT UNDER THE SLAB DIRECTLY TO THE SERVING BDF OR IDF ROOM. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL ROUGH-IN.
R5	UNLESS OTHERWISE SHOWN, PROVIDE (1) 4" EMT SLEEVE, WITH INSULATED THROAT BUSHING AT EACH END, STUBBED OUT 4 INCHES FROM FACE OF WALL, AT ELEVATION APPROXIMATELY 6 INCHES ABOVE ACCESSIBLE CEILING. INSTALL SLEEVE IN AN ACCESSIBLE LOCATION AS DEFINED IN CALIFORNIA ELECTRICAL CODE, ARTICLE 100 DEFINITIONS. PROVIDE FIRESTOPPING UNDER WORK OF SECTION 27 05 33. BOND TO GROUND. COMPLY WITH DIVISION 26 AND SECTION 27 05 26 GROUNDING.

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

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

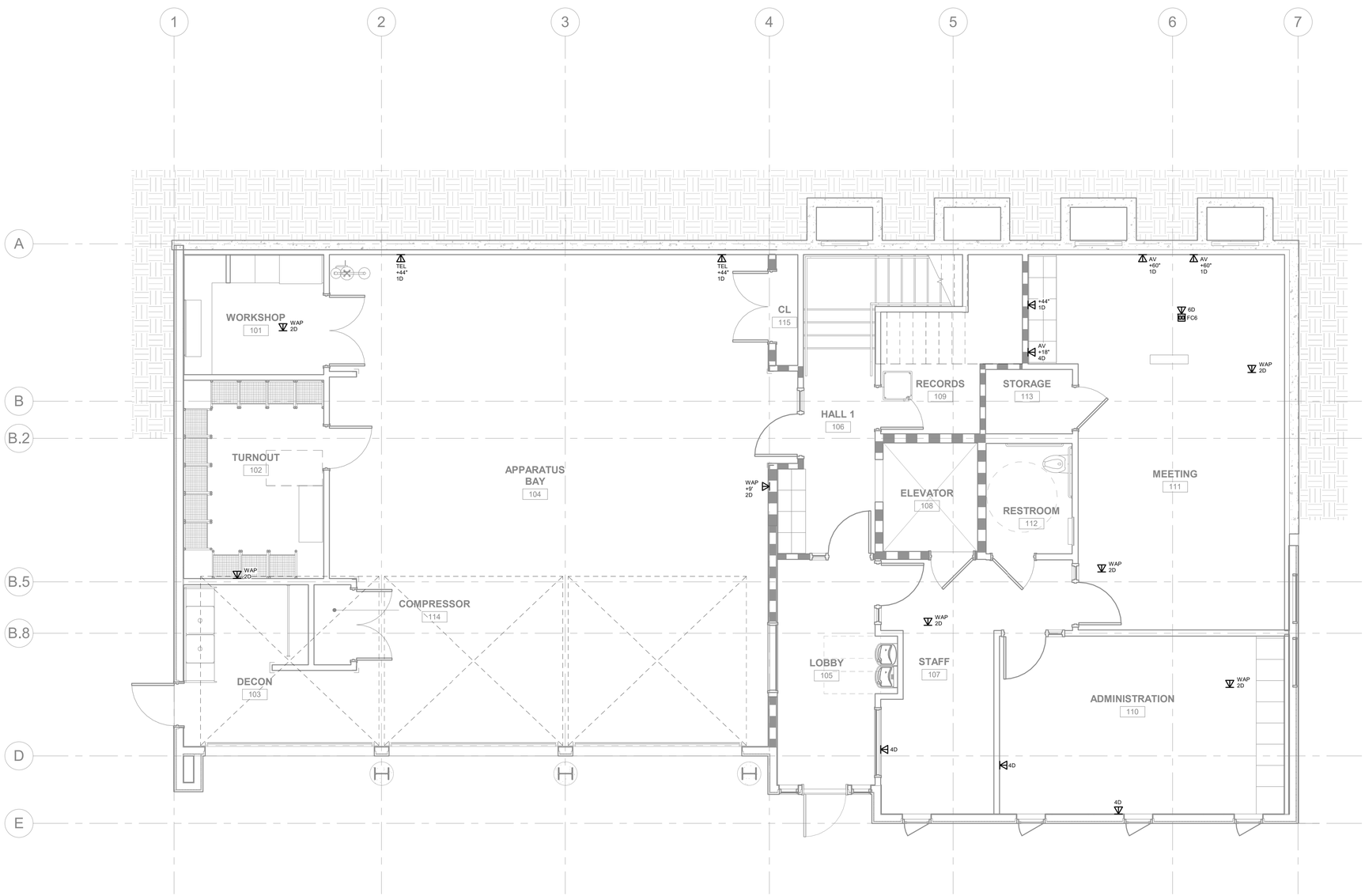
DESCRIPTION
SYMBOL SCHEDULE

TN002

C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:46:24 PM

KEYNOTES



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

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

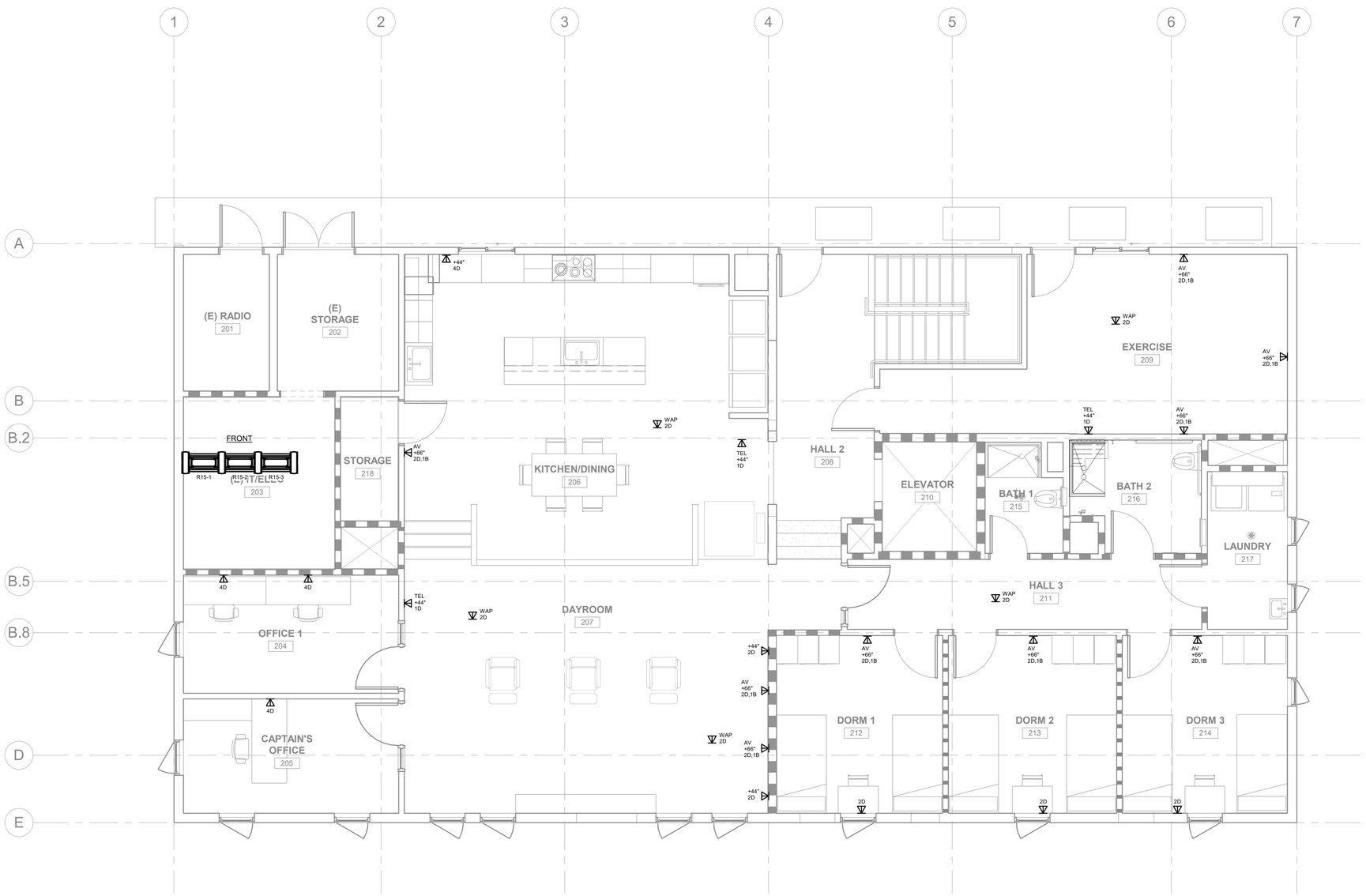
DESCRIPTION
COMMUNICATIONS - GROUND FLOOR PLAN

TN202

C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:46:41 PM

KEYNOTES



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

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

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

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

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

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

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

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

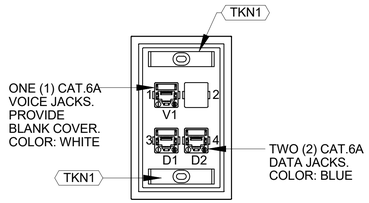
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
COMMUNICATIONS - SECOND FLOOR PLAN

TN204

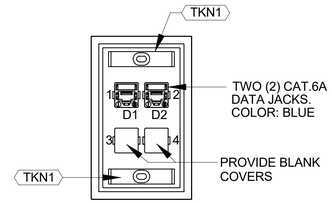
C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:47:10 PM



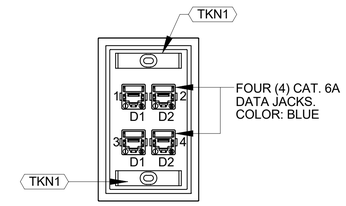
1 1V, 2D OUTLET

NTS



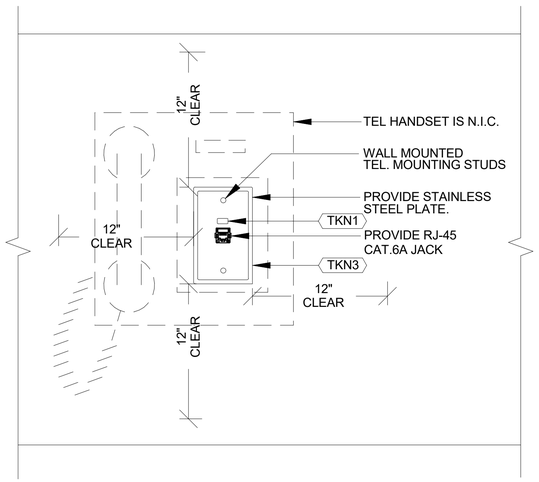
2 2D OUTLET

NTS



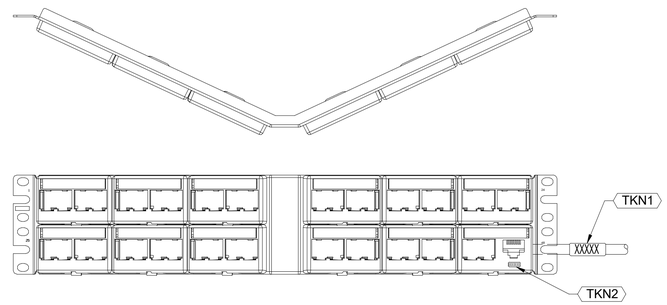
1 4D OUTLET

NTS



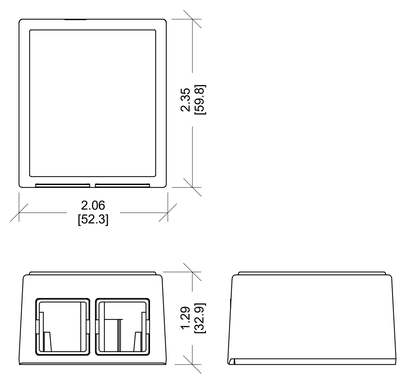
4 1V OUTLET

NTS



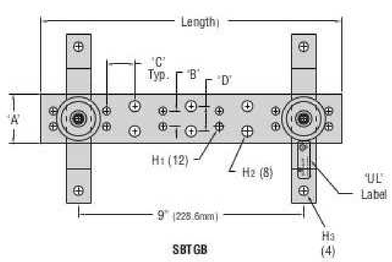
5 PATCH PANEL AND CABLE LABELING

NTS



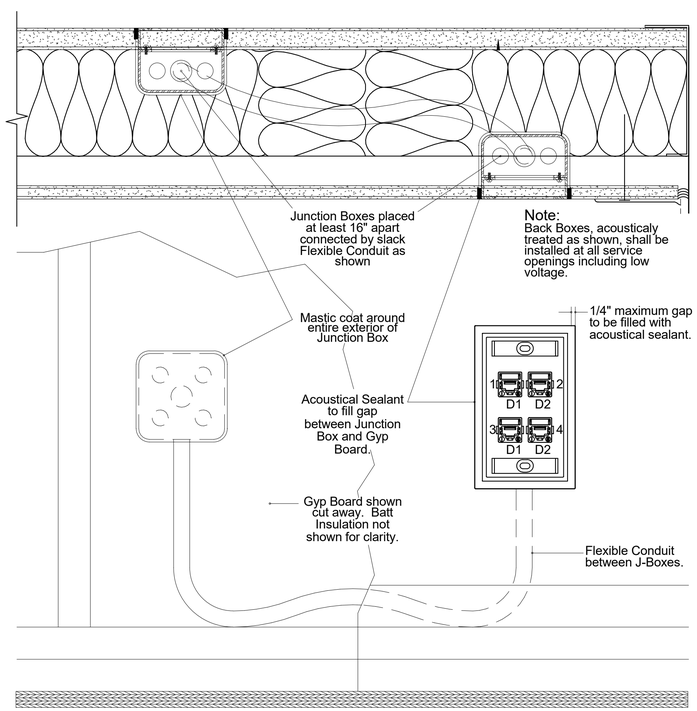
8 TWO PORT SMB

NTS



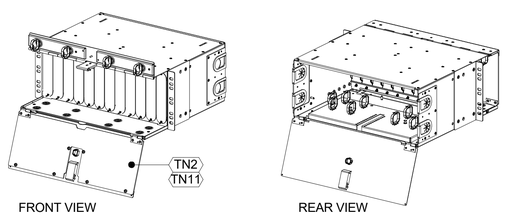
6 GROUNDING BUS BAR DETAIL

NTS



7 ACOUSTIC SEALANT & INSULATION AT INTERIOR PARTITIONS

NTS



9 FIBER PATCH PANEL

NTS

SHEET NOTES

1. RECEPTACLE ELEVATIONS ARE PROVIDED AS A CONVENIENCE FOR THE CONTRACTOR ONLY. RECEPTACLE ELEVATIONS GENERALLY REFLECT DESIGN BASIS OR SYSTEMS DESIGN BASIS ALTERNATES. CONTRACTOR TO COORDINATE ELEVATION WITH ALTERNATE SUBMITTED.
2. RECEPTACLE ELEVATIONS MAY BE INCOMPLETE, REFER TO RECEPTACLE SCHEDULE FOR COMPLETE DETAILS.
3. WHERE RECEPTACLE ELEVATIONS AND RECEPTACLE SCHEDULE CONFLICT. RECEPTACLE SCHEDULE TAKES PRECEDENCE OVER RECEPTACLE ELEVATIONS.

KEYNOTES

TKN — TELECOMMUNICATIONS SYSTEMS, WORK OF DIVISIONS 27.

TKN1 — LABEL THE OUTLET WITH THE IDF ROOM NUMBER, ROOM NUMBER OF THE WORK AREA, STATION NUMBER, JACK NUMBER (PREFIXED WITH TYPE "V" FOR VOICE, "D" FOR DATA) (EXAMPLE: "109 122-1-V1" WHERE "109" IS THE IDF, "122" IS THE ROOM WHERE THE JACK IS LOCATED, "1" IS THE STATION LOCATION, "V1" IS THE 1ST VOICE JACK IN THAT PARTICULAR WALL PLATE.

TKN2 — LABEL THE CABLE AND PATCH PANEL PORTS. MATCH THE JACKS LABEL.

TKN3 — PROVIDE 12" CLEAR ON ALL SIDES IN ORDER TO MOUNT THE TEL HANDSET. COORDINATE WITH ELECTRICAL AND SECURITY CONTRACTORS. HANDSET IS N.I.C.

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

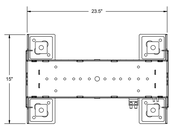
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
DETAILS - DEVICES

TN901

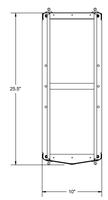
C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:47:19 PM



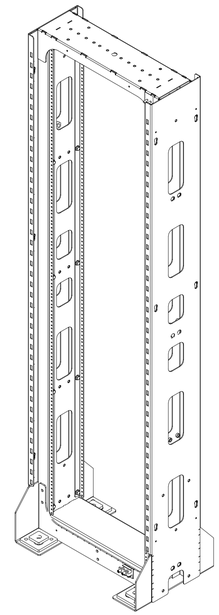
1 R15 TOP VIEW

NTS



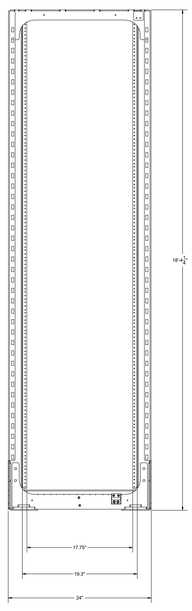
2 WIRE MANAGER TOP VIEW

NTS



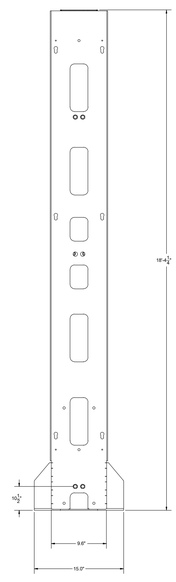
3 ISOMETRIC

NTS



4 R15 FRONT VIEW

NTS

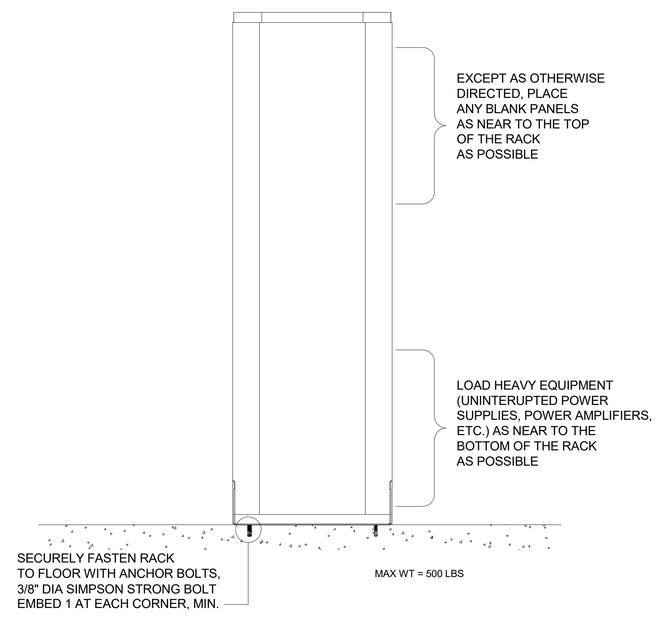


5 R15 SIDE VIEW

NTS

6 WIRE MANAGER FRONT VIEW

NTS



7 RACK LOADING DETAILS

NTS

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
DETAILS - RACK R15

TN902

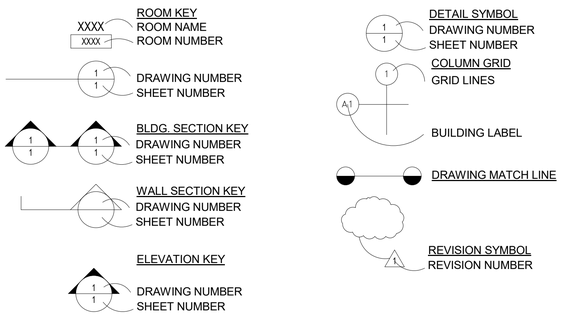
C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:47:19 PM

ELECTRONIC SECURITY SYSTEMS GENERAL NOTES

1. REFER TO SPECIFICATIONS FOR COMPLETE REQUIREMENTS.
2. PROVIDE CONDUIT, BOXES AND FITTINGS SHOWN ON ELECTRONIC SECURITY SYSTEMS (TY) SYSTEM DRAWINGS UNDER THE WORK OF SECTION 28 05 28 PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY. UNLESS OTHERWISE INDICATED, PROVIDE 1 INCH TRADE SIZE MINIMUM . PROVIDE RACEWAY SIZE AS REQUIRED FOR A MAXIMUM OF 30 PERCENT WIRE FILL.
3. PROVIDE FIRESTOPPING UNDER THE WORK OF SECTION 28 05 28 PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY.
4. LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON THE COMMUNICATIONS SYSTEMS DRAWINGS.
5. DEVICE QUANTITIES SHOWN ON FLOOR PLANS AND REFLECTED CEILING PLANS TAKE PRECEDENCE OVER DEVICE QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS.
6. QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS TAKE PRECEDENCE OVER QUANTITIES SHOWN ON RACK ELEVATIONS.
7. QUANTITIES SHOWN ON DEVICE SCHEDULES TAKE PRECEDENCE OVER QUANTITIES SHOWN ON FUNCTIONAL DIAGRAMS, FLOOR PLANS AND REFLECTED CEILING PLANS.
8. LOCATIONS SHOWN ON LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON SMALL SCALE DRAWINGS.
9. NOT USED.
10. WIRING FOR THE WORK OF ELECTRONIC SECURITY SYSTEMS IS NOT PERMITTED TO SHARE CONDUIT, SLEEVES OR J-HOOKS WITH WIRING FOR WORK OF DIVISION 27. MAINTAIN AT LEAST 2 INCHES SEPARATION IF RUNNING PARALLEL. MAINTAIN AT LEAST 3 INCHES OF SEPARATION VERTICALLY IF CROSSING AT RIGHT ANGLES.

GENERAL SYMBOLS



MATERIAL & EQUIPMENT LEGEND

1IDP	1" INNERDUCT, PLENUM RATED
2IDP	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
OSP	OUTSIDE PLANT
SM	SINGLE MODE OPTICAL FIBER
UTP5e-4	UNSHIELDED TWISTED PAIR, CAT. 5e
UTP5e-4P	UNSHIELDED TWISTED PAIR, CAT. 5e PLENUM
UTP5e-4OP	UNSHIELDED TWISTED PAIR, CAT. 5e OUTSIDE PLANT
UTP6-4	UNSHIELDED TWISTED PAIR, CAT. 6
UTP6-4P	UNSHIELDED TWISTED PAIR, CAT. 6 PLENUM
UTP6-4OP	UNSHIELDED TWISTED PAIR, CAT. 6 OUTSIDE PLANT
110TBXX	110 TERMINAL BLOCK, CAT.5, XX-NO OF PAIRS
110PWTBXX	110 TERMINAL BLOCK, PRE-WIRED W/50 PIN CONNECTOR, XX- NO OF PAIRS
TB15	TERMINAL BLOCK WITH 15 AMP SWITCH BLADE.

NOTE:
SEE SPECIFICATION SECTIONS FOR REFERENCE DESCRIPTIONS AND REQUIREMENTS. FOR OTHER MATERIAL AND EQUIPMENT TYPES REFER TO SPECIFICATIONS.

LEGEND

	SURFACE RACEWAY. FOR COMMUNICATIONS AND POWER SYSTEM PROVIDED UNDER DIV. 26.
	MARK INDICATES RACEWAY DROP FROM CEILING. COORDINATE EXACT LOCATION WITH DIV. 26 PLANS.
	NEW WIRE AND/OR CABLE IN EXPOSED CONDUIT OR RACEWAY. FILL PER SCHEDULE, PLANS AND SPECIFICATION SECTION 28 05 13.
	NEW WIRE AND/OR CABLE INSIDE NEW CONDUIT WALLS OR IN CEILING .
	NEW WIRE AND/OR CABLE IN (N) UNDERGROUND CONDUIT. FILL PER SCHEDULE, PLANS AND SPECIFICATION SECTION 28 05 13.
	CABLE/RACEWAY TURNS UP
	CABLE/RACEWAY TURNS DOWN
	HOME RUN
ACJ	CONDUIT TO CABLE TRANSITION POINT
TKN	KEYNOTES

JUNCTION BOX SCHEDULE

SYMBOL	H (INCHES)	W (INCHES)	(INCHES)
J1	6	6	4
J2	8	8	4
J3	12	12	4
J4	12	12	6
J5	12	12	8
J6	16	12	6
J7	18	18	8
J8	20	16	6
J9	20	16	8
J10	20	20	6
J11	20	20	8
J12	24	20	6
J13	24	20	8
J14	24	24	8
J15	30	24	8
J16	30	30	8
J17	36	30	8
J18	36	36	8

SUFFIX:

NONE - NEMA 1
A - NEMA 12
B - NEMA 3R
C - NEMA 4
D - NEMA 4X

EXAMPLE: J16C= 30"H X 30"W X 8"D HINGED NEMA 4 JBOX.

NOTE 1
ALL JUNCTION BOXES TO BE HINGED TYPE, PROVIDED WITHOUT PRE-PUNCHED KNOCKOUTS. PENETRATIONS IN JUNCTION BOXES SHALL BE CUT OR PUNCHED AS REQUIRED FOR INSTALLATION. PAINT ALL INTERIOR BOXES TO MATCH WALL FINISH. COORDINATE FINISH WITH ARCH. PLANS.

ABBREVIATIONS

1SR-1	SINGLE CHAMBER SURFACE RACEWAY
3SR-2.5	THREE CHAMBER SURFACE RACEWAY
A.D.A.	AMERICANS WITH DISABILITIES ACT
ADF	AREA DISTRIBUTION FACILITY
A.F.C.	ABOVE FINISHED CEILING
A.F.F.	ABOVE FINISHED FLOOR
ALT	ALTERNATE
A.M.F.F.	ABOVE MEZZANINE FINISHED FLOOR
BDF	BUILDING DISTRIBUTION FACILITY
B.F.C.	BELOW FINISHED CEILING
BLDG.	BUILDING
B.O.H.	BACK OF HOUSE
C.	CONDUIT
CAT.	CATEGORY
CBC	CALIFORNIA BUILDING CODE
CEC	CALIFORNIA ELECTRICAL CODE
COMM.	COMMUNICATIONS
C.L.	CENTERLINE
C.O.	CONDUIT ONLY
CONT.	CONTINUATION
CS	COMMUNICATIONS SYSTEM
(D)	DEMOLISH EXISTING
DED	DEDUCTIVE
ø, DIA.	DIAMETER
DIV	DIVISION
(E)	EXISTING
EA.	EACH
EIA	ELECTRONIC INDUSTRIES ASSOCIATION
ELEV.	ELEVATION
E.O.L.	END OF LINE
EQPT.	EQUIPMENT
FIN	FINISHED
FUT	FUTURE
H.R.	HOME RUN
HT.	HEIGHT
J, JBOX	JUNCTION BOX
LAN	LOCAL AREA NETWORK
MATV	MASTER ANTENNA TELEVISION
MAX.	MAXIMUM
MIN.	MINIMUM
MOD.	MODULAR
MON.	MONUMENT
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.E.	OWNER FURNISHED EQUIPMENT
OPP.	OPPOSITE
PNL.	PANEL
PROJ.	PROJECT
P.S.R.H	PROJECT STANDARD RECEPTACLE HEIGHT +18" AFF, U.O.N.
P.S.S.H.	PROJECT STANDARD SWITCH HEIGHT +48" AFF TO℄, U.O.N.
RE:	REFER TO
REF.	REFERENCE
SIM.	SIMILAR
SM	SINGLE MODE OPTICAL FIBER
SN	SHEET NOTE
SP	SHIELDED PAIR - SEE SPECIFICATIONS
SPEC	SPECIFICATION
S.R.	SURFACE RACEWAY
STD	STANDARD
STP	SHIELDED TWISTED PAIR
T.C.	TELECOMMUNICATIONS CLOSET
TEL	TELEPHONE
TELCOM	TELECOMMUNICATIONS
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TP	TWISTED PAIR
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W/	WITH
WP	WEATHERPROOF

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
GENERAL NOTES, LEGEND, SYMBOLS, ABBREVIATIONS AND JBOX SCHEDULE

TY001

C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:47:19 PM

SYMBOL	DEVICE	FUNCTION OR SERVICE	LOCATION	WORK OF	ROUGH-IN	RACEWAY	ELEVATION	CABLE FILL	FINISH	DETAIL SHEET(S)
1 PTZ	CCTV IP CAMERA, PTZ, INDOOR/OUTDOOR.	VISUAL SURVEILLANCE	WALL OR CLG AS INDICATED	28 23 00	FLUSH 4S BOX. 2 G. RING	(1) 1" C. STUBBED UP TO ACCESSIBLE CEILING.	AS SCHEDULED	1 CAT 6 CABLE PER DIV 27.	AS SPECIFIED	TY-902
3	CCTV IP CAMERA, 180 DEGREE CAPABLE, THREE SENSOR MINIMUM, FIXED FOCUS, INDOOR/OUTDOOR.	VISUAL SURVEILLANCE	WALL OR CLG AS INDICATED	28 23 00	FLUSH 4S BOX. 2 G. RING	(1) 1" C. STUBBED UP TO ACCESSIBLE CEILING.	AS SCHEDULED	1 CAT 6 CABLE PER DIV 27.	AS SPECIFIED	TY-902
1	CCTV IP CAMERA, 90 DEGREE CAPABLE, SINGLE SENSOR, FIXED FOCUS, INDOOR/OUTDOOR.	VISUAL SURVEILLANCE	WALL OR CLG AS INDICATED	28 23 00	FLUSH 4S BOX. 2 G. RING	(1) 1" C. STUBBED UP TO ACCESSIBLE CEILING.	AS SCHEDULED	1 CAT 6 CABLE PER DIV 27.	AS SPECIFIED	TY-902
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
CKP	CARD READER, MULTI-PROTOCOL PROX/SMART WITH INTEGRAL KEYPAD. PROVIDE A HOOD ON ALL EXTERIOR LOCATIONS.	ACCESS CONTROL/IDS	INDICATED	28 05 28 28 13 00	FLUSH 4S BOX, 2-1/8" DEEP MIN., 1 GANG RING. PROVIDE COVER ON ALL EXTERIOR LOCATIONS.	SEE TY-901	+44" AFF TO CL U.O.N.	SEE ACS FUNCTIONAL DIAGRAM	AS SPECIFIED	TY-901
DO	DOOR OPERATOR FOR ADA PUSH PLATE.	ACCESS CONTROL	PEDESTAL	WO 2		SEE TY-901	AS DETAILED ON ARCH PLANS	SEE ACS FUNCTIONAL DIAGRAM		TY-901
DS	DOOR POSITION SWITCH	ACCESS CONTROL/IDS	LRI 1	28 13 00	LRI 1	SEE TY-901	AS DETAILED			TY-901
DU	ROLL-UP DOOR POSITION SWITCH	ACCESS CONTROL/IDS		28 16 19		SEE TY-901	AS DETAILED	SEE ACS FUNCTIONAL DIAGRAM		TY-901
EL	ELECTRIC LOCK	ACCESS CONTROL/IDS	INDICATED	WO1	MUD BOX AT SOLID GROUTED DOOR FRAMES	SEE TY-901	WIRE TO MIDDLE HINGE OF DOOR OPPOSITE LOCK			TY-901
ER	ELECTRIC LOCK WITH INTEGRAL REX MICROSWITCH	ACCESS CONTROL/IDS	INDICATED	08 71 00 WO1	MUD BOX AT SOLID GROUTED DOOR FRAMES	SEE TY-901	AS DETAILED	PER FUNCTIONAL		TY-901
GC	GARAGE ROLL-UP DOOR/PARKING GATE MOTOR CONTROLLER	INTRUSION DETECTION	INDICATED	28 1300	N/A - STUB TO MOTOR CONTROLLER AT LV TERMINAL SIDE.	(1) 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	
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) ¾" 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
WO1	ELECTRIC LOCK, ELECTRIC STRIKE, TRANSFER HINGE AND PANIC DOOR REX INTEGRATED IN PANIC HARDWARE BY DIV. 8, LOW VOLTAGE FIELD WIRING AND POWER SUPPLIES BY DIVISION 28
WO2	MOTOR ASSISTED POWER DOOR OPERATOR BY DIVISION 8 AND 26. DOOR ENTRY FROM UNSECURE SIDE UNDER CONTROL OF ACCESS CONTROL SYSTEM.

NOTE NO.	LOCATION & ROUGH-IN NOTES
LRI 1	TOP OF DOOR AND IN DOOR FRAME, NOT MORE THAN 6" FROM JAMB SIDE. INSTALLATION SHALL NOT COMPROMISE FIRE RATING OF DOOR.
LRI 2	4S BOX W/ 1 GANG RING AND BLANK COVER PLATE
LRI 3	4S BOX W/ BLANK COVER PLATE W/ GROMMET OPENING MTD WITHIN 6" OF LATCH AT UNDERSIDE OF ROOF. EXTEND HS TO HATCH FRAME AND INSTALL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.
LRI 4	SURFACE MOUNT ON DOOR FRAME. INSTALLATION SHALL NOT COMPROMISE FIRE RATING OF DOOR.

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

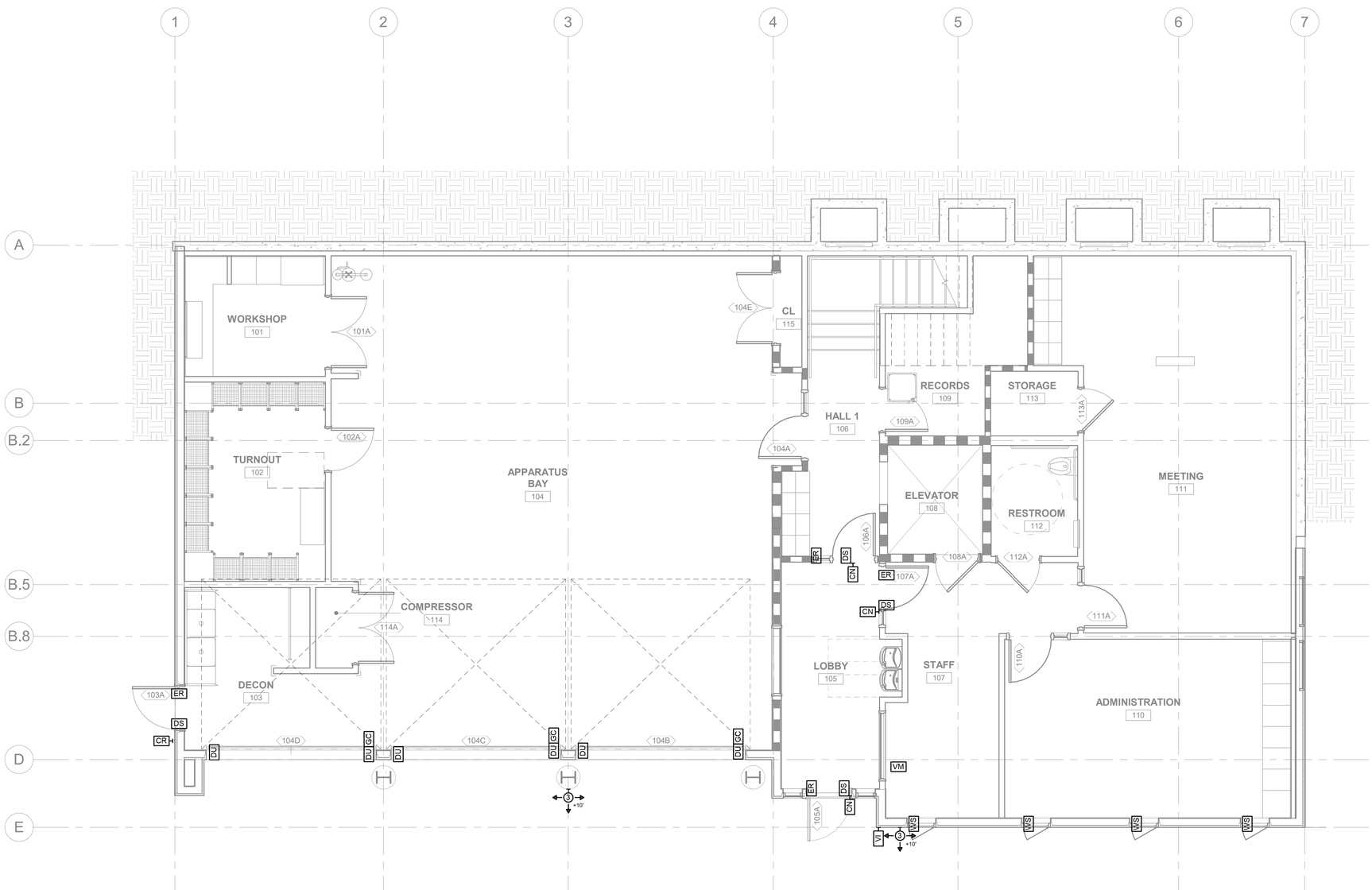
DESCRIPTION
SYMBOL SHCEDULE

TY002

C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:47:19 PM

KEYNOTES



1 ELEC. SECURITY - GROUND FLOOR PLAN
1/4" = 1'-0"

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

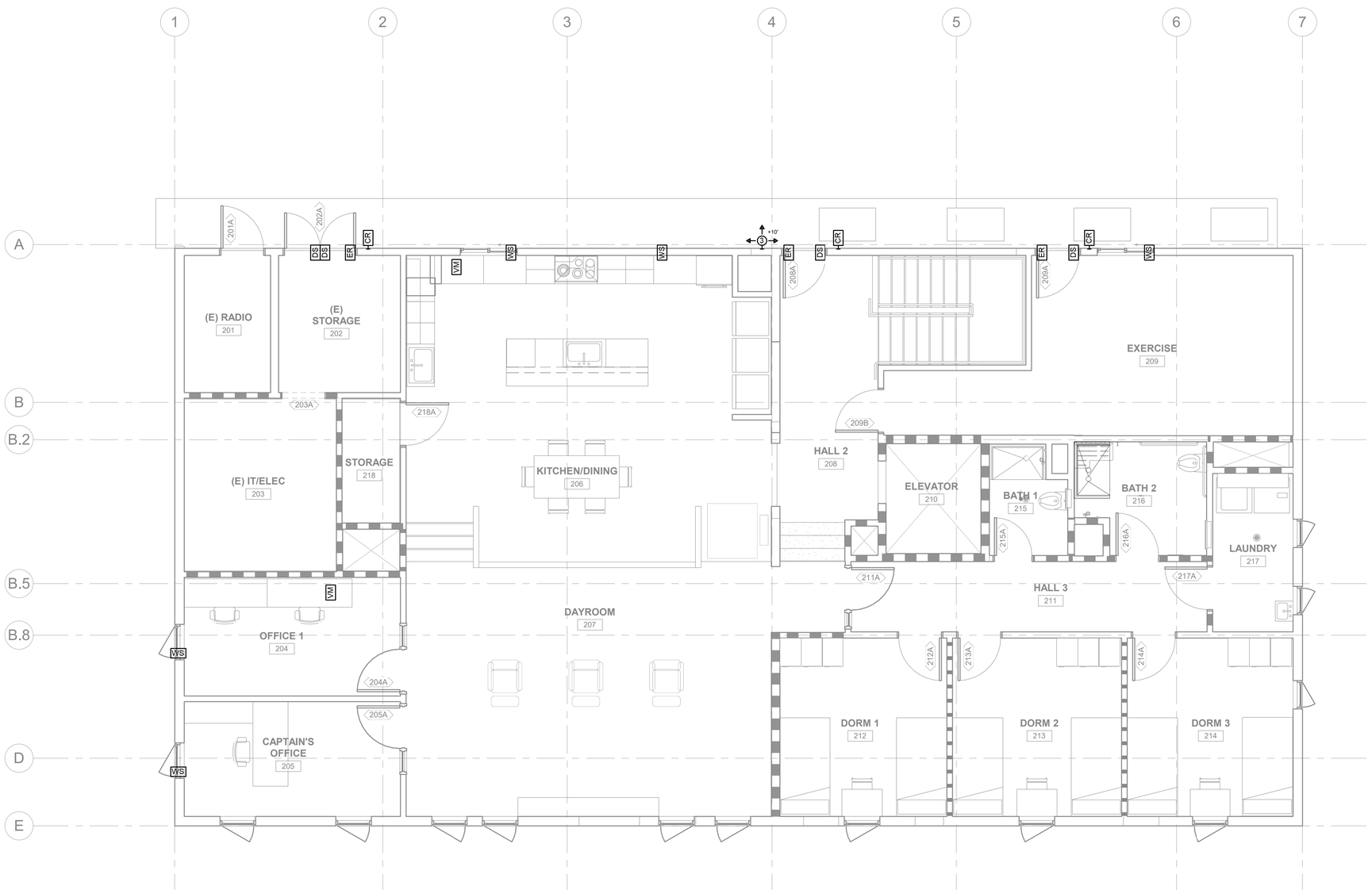
DESCRIPTION
ELEC. SECURITY - GROUND FLOOR PLAN

TY202

C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:47:37 PM

KEYNOTES



1 ELEC. SECURITY - SECOND FLOOR PLAN
1/4" = 1'-0"

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

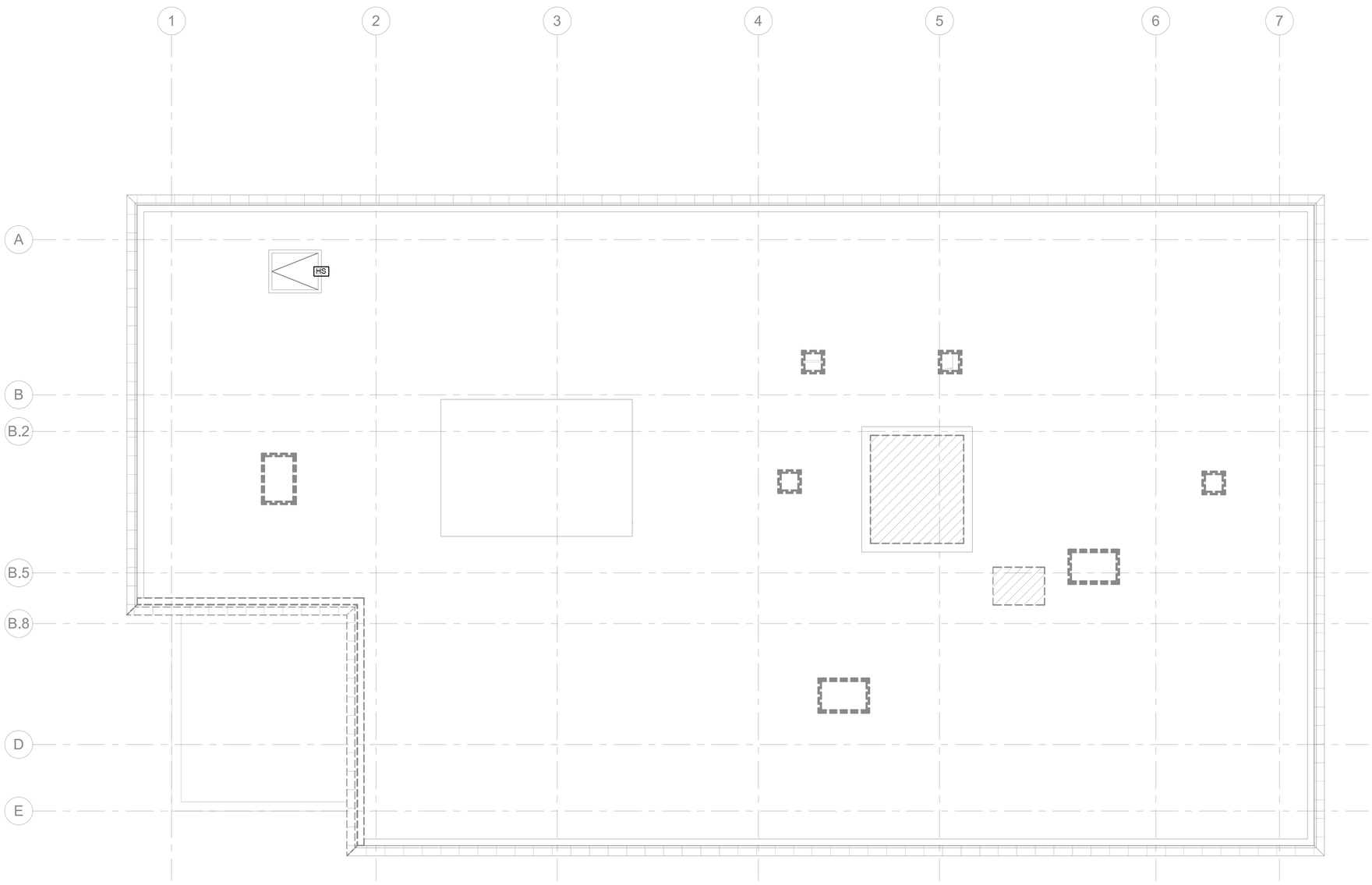
DESCRIPTION
ELEC. SECURITY - SECOND FLOOR PLAN

TY204

C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:47:58 PM

KEYNOTES



1 ELEC. SECURITY - ROOF PLAN
1/4" = 1'-0"

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

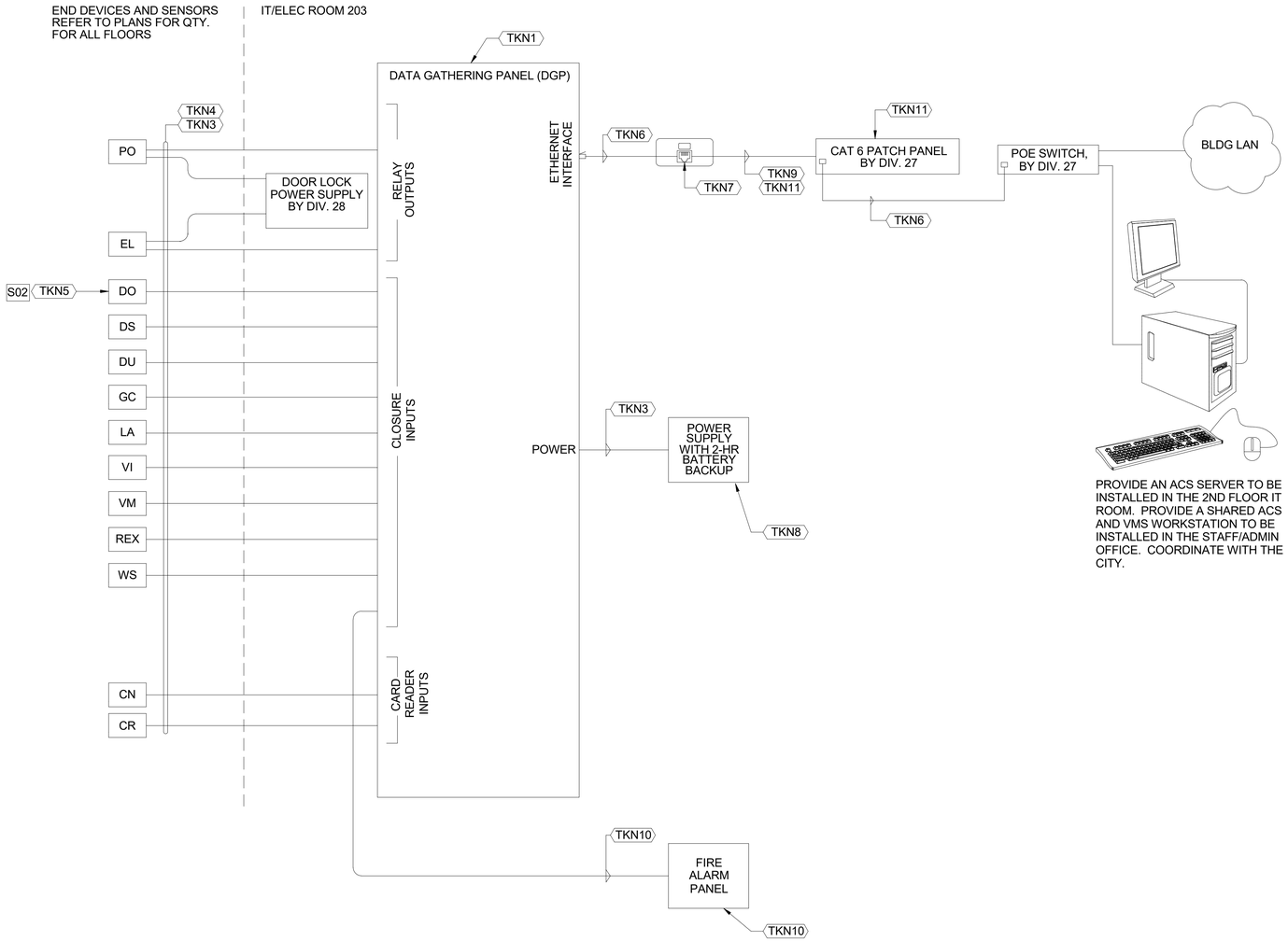
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
ELEC. SECURITY - ROOF PLAN

TY205

C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:48:07 PM



1 ACCESS CONTROL AND IDS SINGLE LINE DIAGRAM

NTS 1 S01 S02

SHEET NOTES

1 FUNCTIONAL BLOCK DIAGRAMS ARE DIAGRAMMATIC. CONTRACTOR TO SUBMIT SHOP DRAWINGS INDICATING EXACT QTY AND LOCATION OF ACCESS CONTROLLERS AND RELATED HARDWARE REQUIRED TO MEET THE FUNCTIONAL REQUIREMENTS OF THE PROJECT.

KEYNOTES

TKA ARCHITECTURAL: COMPLY WITH DIVISIONS 3 THROUGH 14 - SEE ARCHITECTURAL DRAWINGS.

TKA1 DOOR POWER OPERATOR, WHERE OCCURS - REFER TO DOOR SCHEDULE AND DIVISION 8 SPECIFICATIONS.

TKN TELECOMMUNICATIONS & ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISIONS 27 & 28.

TKN1 PROVIDE AS MANY AS REQUIRED TO SUPPORT ALL END DEVICES AND SENSORS. REFER TO PLANS FOR QUANTITY.

TKN2 NOT USED.

TKN3 PROVIDE WIRE GAGE, SHIELDING, PAIR COUNT AND CONSTRUCTION AS REQUIRED TO SUIT DEVICE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. BRING ALL CONTACT POINTS BACK TO THE SECURITY ELECTRONICS TERMINAL ENCLOSURES AT THE IDF ROOMS - DO NOT LOOP OR DAISY CHAIN ANY FIELD DEVICES UNLESS THEY ARE SPECIFIED AS DIGITALLY ADDRESSABLE TYPE. PROVIDE JACKET TYPE IN CONFORMANCE WITH THE INSTALLATION CONDITIONS AND THE CALIFORNIA ELECTRIC CODE.

TKN4 PLACE ALL SECURITY ELECTRONICS WIRING INSIDE TR'S AREA IN METALLIC RACEWAY FROM THE POINT OF ENTRY TO ROOM. WITHIN TR ROOM, PROTECT IN SURFACE MOUNTED GUTTER AT BACKBOARDS.

TKN5 THE ADA DOOR OPERATOR/ACTUATOR SHALL BE CONTROLLED BY THE ACS CONTROLLER.

TKN6 CAT 6 PATCH CORDS. PROVIDE QTY. AS REQUIRED.

TKN7 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

S01 IN THE NORMAL STATE, THE DOOR IS CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED FROM THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE AND BY DOOR HARDWARE FROM THE SECURED SIDE. THE REQUEST-TO-EXIST MICROSWITCH, OPERATED BY THE SECURED SIDE DOOR HARDWARE, WILL SHUNT THE ALARM. IF THE DOOR IS HELD PAST THE PRESET OPEN TIME OR IF THE DOOR IS LEFT OPEN OR IS FORCED OPEN, AN ALARM WILL BE SENT TO THE ELECTRONIC SYSTEM NETWORK UNTIL THE DOOR IS CLOSED. IF THE DOOR IS OPENED FROM THE UNSECURED SIDE WITH A KEY, A DOOR FORCED ALARM WILL BE GENERATED.

S02 AFTER OFFICE HOURS, THE HANDICAP DOOR OPERATOR (DO) AT THE UNSECURED SIDE WILL BE NON-OPERATIONAL UNLESS A VALID ACCESS CARD IS PRESENTED TO THE CARD READER AFTER WHICH, PRESSING THE HANDICAP DOOR OPERATOR WILL UNLOCK AND OPEN THE DOOR.

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

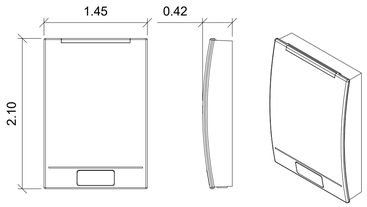
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
ACCESS CONTROL AND IDS SINGLE LINE DIAGRAM

TY701

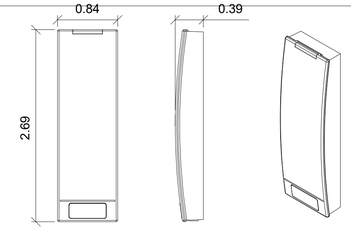
C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:48:07 PM



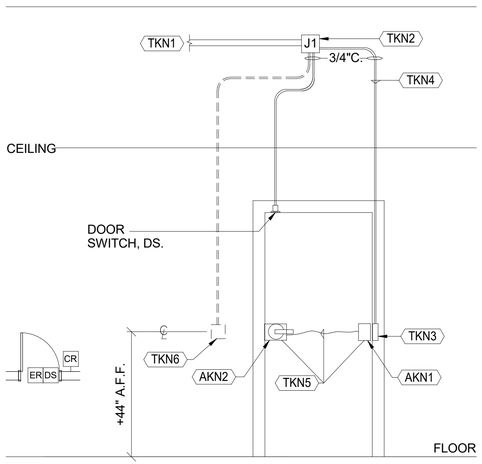
1 CARD READER - TYPE CR

NTS



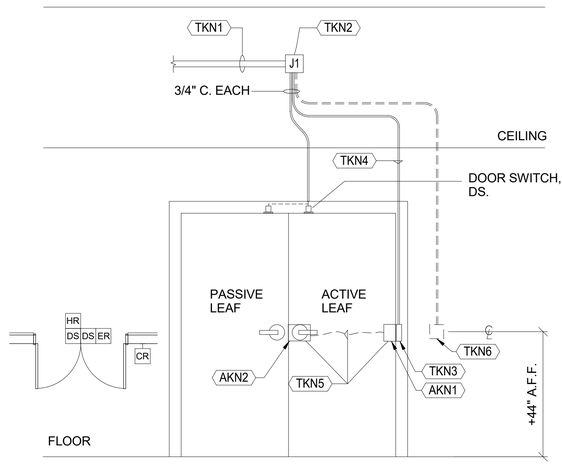
2 CARD READER - TYPE CN

NTS



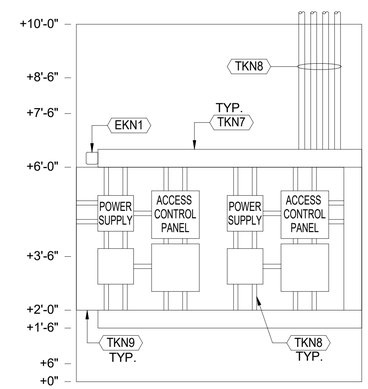
3 TYPICAL ACCESS CONTROLLED SINGLE DOOR ELEVATION, DOOR HARDWARE EXIT ALARM SUPPRESSION

VIEW FROM SECURE SIDE, CEILING ACCESS NTS



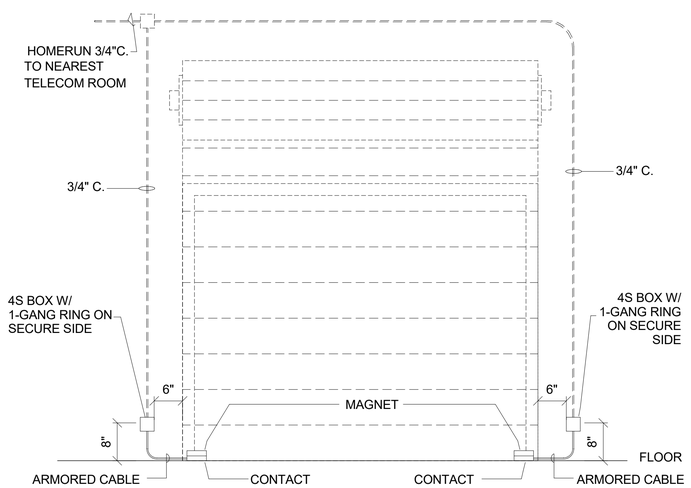
4 TYPICAL ACCESS CONTROLLED DOUBLE DOOR OPENING, WALL MOUNT CARD READER, DOOR HARDWARE EXIT ALARM SUPPRESSION

VIEW FROM SECURE SIDE, CEILING ACCESS NTS



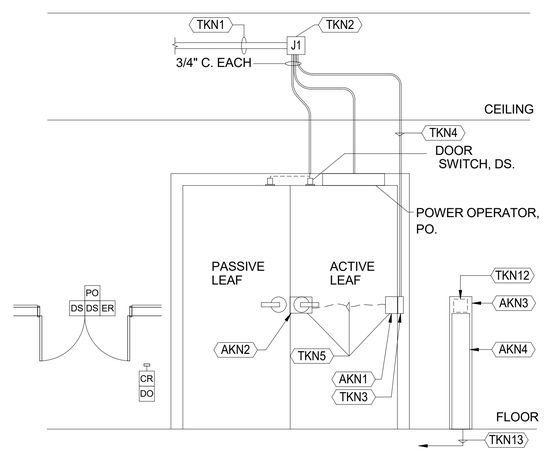
5 ACS ELEVATION

VIEW FROM SECURE SIDE, CEILING ACCESS NTS



6 DU - OVERHEAD DOOR POSITION SWITCH

VIEW FROM SECURE SIDE, CEILING ACCESS NTS



7 TYPICAL ACCESS CONTROLLED DOUBLE DOOR OPENING, PEDESTAL MOUNT CARD READER, DOOR HARDWARE EXIT ALARM SUPPRESSION

VIEW FROM SECURE SIDE, CEILING ACCESS NTS

SHEET NOTES

1. NOT EVERY DOOR CONDITION IS DEPICTED. REFER TO THE FLOOR PLANS FOR THE DEVICES REQUIRED AT EACH OPENING AND PROVIDE ROUGH-IN AS REQUIRED BASED ON SIMILAR ASSEMBLIES DETAILED ON THE TY SHEETS.
2. AT ACCESSIBLE CEILING CONDITIONS, SUPPORT ELECTRONIC SECURITY CABLING ON CABLE HOOKS OR BASKET TRAYS.
3. WHERE ESS SIGNAL CABLING IS CONSOLIDATED WITH A NETWORK OF CONDUITS AND PULL BOXES, MAINTAIN 40% MAXIMUM FILL.
4. HORIZONTAL ARRANGEMENT OF DEVICES MAY VARY - REFER TO THE FLOOR PLANS FOR THE REQUIRED ARRANGEMENTS. CARD READERS SHOULD GENERALLY BE PLACED ADJACENT TO THE DOOR HANDLE OF THE ACCESS CONTROLLED DOOR. REFER TO THE DIVISION 8 HW SCHEDULES AND THE APPROVED DIVISION 8 SUBMITTALS TO DETERMINE WHETHER EL OR ES ARE USED AT EACH OPENING.

KEYNOTES

AKN	ARCHITECTURAL. WORK OF DIVISIONS 8.
AKN1	TRANSFER HINGE WITH 2 PR CONDUCTORS MIN.
AKN2	ER - DOOR HANDLE OR PANIC HARDWARE WITH MECHANICAL LOCK AND INTEGRAL ALARM SUPPRESSION MICRO-SWITCH TO DETECT OPERATION OF DOOR FROM SECURE SIDE.
AKN3	ARCHITECTURAL PEDESTAL - WHERE OCCURS, SEE PLANS.
AKN4	DO - POWERED DOOR OPERATOR SWITCH MOUNTED TO PEDESTAL OR WALL ON BOTH SECURE AND UN-SECURE SIDES OF OPENING. WIRED TO DGP BY DIVISION 28.
EKN1	PROVIDE TWO DEDICATED 20A CKT, 120V HARDWIRED FOR ACCESS CONTROL SYSTEM POWER.
TKN	ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISION 28.
TKN1	EXTEND 1.25" MIN C. TO THE NEAREST TELECOM ROOM.
TKN2	LOCATE ABOVE DOOR AT SECURED ACCESSIBLE CEILING CONDITIONS. AT GYP CEILING CONDITIONS, LOCATE REMOTELY AT NEAREST UTILITY SPACE.
TKN3	PROVIDE MUD BOX INSIDE DOOR FRAME AT GROUTED DOOR ASSEMBLIES.
TKN4	STUB CONDUIT INSIDE DOOR FRAME TO ABOVE THE MIDDLE HINGE OPPOSITE DOOR HANDLE/EL/ER/ES/PANIC HW. MEASURE DOOR ON SITE. COORDINATE SIDE OF DOOR SCHEDULED TO RECEIVE ACTIVE DOOR HARDWARE, INCLUDING EL OR ES WITH WORK OF DIVISION 8
TKN5	DOOR HARDWARE (DOOR HANDLE, ES, EL, ER, AND/OR PHR AS APPLIES) AND TRANSFER HINGE FURNISHED AND INSTALLED UNDER THE WORK OF DIVISION 8. WORK OF DIVISION 28 WIRES LOCKING HARDWARE VIA TRANSFER HINGE AND PROVIDES WIRING AND PATHWAY BACK TO DGP.
TKN6	WALL OR PEDESTAL MOUNTED CARD READER WITH 4S BOX AND 1 GANG RING INSTALLED FACING UN-SECURE SIDE OF DOOR. REFER TO PLANS FOR LEFT OR RIGHT SIDE PLACEMENT.
TKN7	PROVIDE 6"X6" METALLIC WIREWAY/GUTTER.
TKN8	PROVIDE MULTIPLE 1"C. AND 2"C. AS REQUIRED.
TKN9	PROVIDE 3/4" THICK FIRE RESISTANT TREATED PLYWOOD BACKBOARD. PROVIDE AS MANY AS SHOWN ON PLAN. PAINT COLOR WHITE TRIM TO FIT. LEAVE ONE FIRE RATING STAMP PER SHEET OF PLYWOOD UNPAINTED.
TKN10	FUTURE WALL OR PEDESTAL MOUNTED CARD READER WITH 4S BOX AND 1 GANG RING INSTALLED FACING UN-SECURE SIDE OF DOOR. REFER TO PLANS FOR LEFT OR RIGHT SIDE PLACEMENT.
TKN11	EXTEND 1" CONDUIT TO ACCESSIBLE CEILING SPACE.
TKN12	CARD READER MOUNTED TO WALL OR PEDESTAL AT POWER DOOR OPERATOR ENABLED ENTRIES ON UN-SECURE SIDE.
TKN13	PROVIDE 1" C. TO NEAREST IDF ROOM.

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

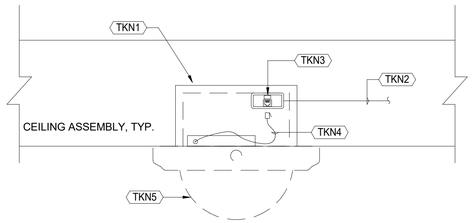
JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT PUBLIC SAFETY BUILDING

DESCRIPTION
DETAILS - ELECTRONIC SECURITY SYSTEMS ACCESS CONTROL

TY901

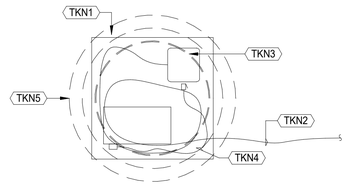
C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:48:07 PM



1A SIDE VIEW

NTS



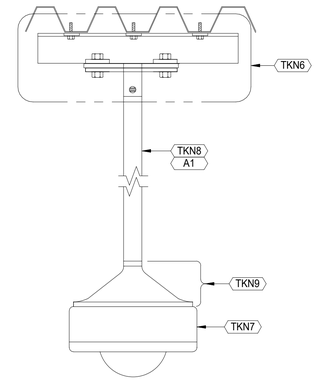
1B TOP VIEW

NTS

1 IP CAMERA WIRING DETAIL

NTS

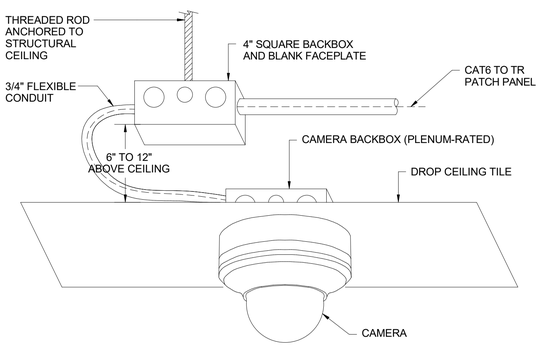
CATEGORY MEDIA STATION CABLING TO IP CAMERAS TO TERMINATE AT PERMANENT ENCLOSURE/JACK ASSEMBLY, AND A PATCH CORD SHALL BE USED TO MAKE THE CONNECTION FROM THE PERMANENTLY INSTALLED JACK TO THE CAMERA.



2 IP CAMERA PENDANT MOUNT

INTERIOR CEILING/STRUCTURE MOUNTED.

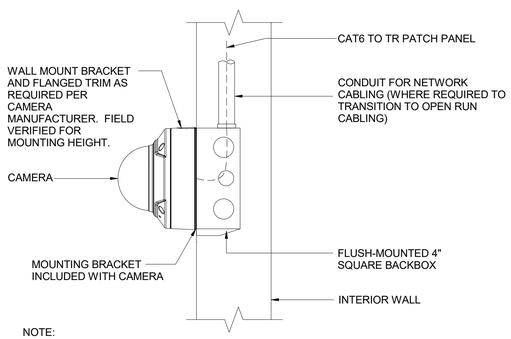
NTS



NOTES:
1) CAMERAS AND CONDUIT SHALL BE INDEPENDENTLY SUPPORTED AND SHALL NOT RELY ON CEILING SYSTEM CABLE SUPPORTS, FRAME OR TILES FOR SUPPORT.
2) WHERE CEILING-MOUNTED CAMERAS ARE TO BE INSTALLED ON CEILING TILES, THEY SHALL BE CENTERED ON THE TILE IN BOTH DIRECTIONS.

3 DOME CAMERA DROP CEILING MOUNT TYP.

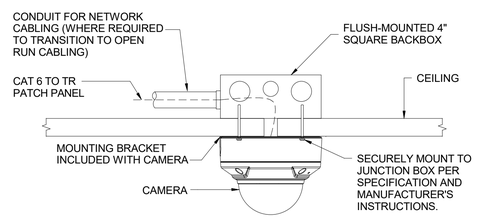
NTS



NOTE:
1) CAMERA SHALL BE INDEPENDENTLY FASTENED TO THE WALL VIA BACKBOX USING MANUFACTURER RECOMMENDED MOUNTING HARDWARE.

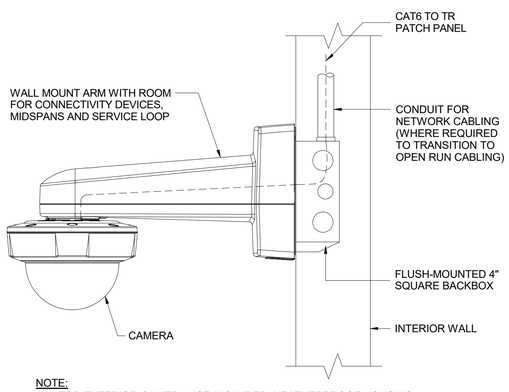
4 DOME CAMERA WALL SURFACE MOUNT TYP.

NTS



5 DOME CAMERA CEILING MOUNT TYP.

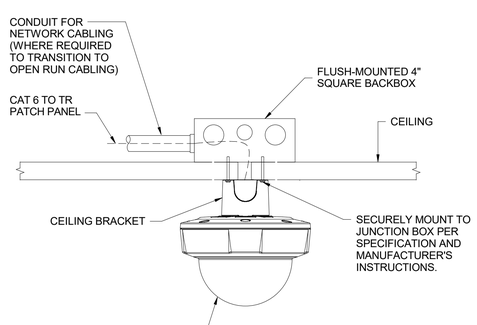
NTS



NOTE:
1) FOR EXTERIOR CAMERA USE INCLUDED WEATHERPROOF HOUSING.

6 180° CAMERA WALL ARM MOUNT TYP.

NTS



7 180° CAMERA CEILING MOUNT TYP.

NTS

KEYNOTES

A	ARCHITECTURAL. WORK OF DIVISIONS 3-14.
A1	PAINT AS DESCRIBED/REQUIRED IN DIVISION 9
TN	ELECTRONIC SECURITY SYSTEMS: COMPLY WITH DIVISION 28.
TKN1	4S TYPE ELECTRICAL BACKBOX EQUAL TO RANDL INDUSTRIES T-55017 WHERE SURFACE MOUNT OF IP CAMERA TO FLUSH MOUNT BACKBOX WITH INTEGRAL STRUCTURED CABLING BISCUIT BOX REQUIRED. PROVIDE EXTERIOR GRADE BOX AT EXTERIOR CONDITIONS AS REQUIRED BY SECTION 28 05 28 - PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY
TKN2	CATEGORY 6 STATION CABLING BY DIVISION 27.
TKN3	SMALL FORM FACTOR MULTIMEDIA ENCLOSURE SUITABLE FOR SURFACE MOUNTING WITH INTEGRAL UNIVERSITY STANDARD CATEGORY 6 JACK FOR TERMINATION OF STATION CABLING.
TKN4	CATEGORY SIX PATCH CORD PROVIDE LENGTH AS REQUIRED. WHERE CAMERA IS MOUNTED TO BACKBOX, COIL INSIDE BACKBOX.
TKN5	SURFACE MOUNT IP CAMERA SUPPORTED FROM FLUSH MOUNTED BACKBOX.
TKN6	PROVIDE EQUAL TO CHIEF MANUFACTURING CMA110, 8" X 8" STEEL PLATE CEILING PLATE FITTING WITH 1" NPT PIPE THREAD ADAPTER.
TKN7	IP SECURITY CAMERA.
TKN8	1" NPT PIPE THREADED FOR PENDENT MOUNTING FROM STRUCTURE ABOVE.
TKN9	PENDANT MOUNT ADAPTER - SONY UNIMDPDH120 OR EQUAL.

Smith, Fause & McDonald Inc.
351 8th Street, San Francisco, CA 94103
(415) 255-9140 Fax (415) 255-9180
www.sfmi.com info@sfmi.com

STAMP

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

CIVIL: BKF ENGINEERS
1646 N. CALIFORNIA BLVD STE 400
WALNUT CREEK, CA 94596
CONTACT: ERIC SWANSON
T: (925) 940-2200

GEOTECH: HALEY ALDRICH
1956 WEBSTER ST #300
OAKLAND, CA 94612
CONTACT: CATHERINE ELLIS
T: (510) 879-4544

MEP: LIST ENGINEERING CO.
2 HARRIS CT STE A7
MONTEREY, CA 93940
CONTACT: RON BLUE
T: (831) 373-4390

AUDIO/VISUAL: SMITH FAUSE MCDONALD INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
T: (415) 255-9140

ESTIMATOR: MICROESTIMATION INC.
850 S. VAN NESS AVE, #26
SAN FRANCISCO, CA 94110
CONTACT: HENRY TOORYANI
T: (415) 826-9626

NO.	DESCRIPTION	DATE
1	100% DESIGN DEVELOPMENT	12/17/2021

JOB NO.
0000 KENSINGTON FIRE PROTECTION DISTRICT
PUBLIC SAFETY BUILDING

DESCRIPTION
DETAILS - ELECTRONIC SEURITY SYSTEMS
VIDEO SURVEILLANCE SYSTEMS

TY902

C:\Revit User Files\Kensington Fire Station_Low Voltage_alfred_sfmi.rvt

12/17/2021 3:48:07 PM