

# **Addendum No. 004, Attachment B – RFP Revisions**

City of Rancho Cucamonga  
Fire Station 178  
Rancho Cucamonga, California

This Addendum shall be a part of the Contract Documents and modifies the original bidding documents as noted below. Acknowledge receipt of this Addendum in your proposal. Failure to do so may subject the Bidder to disqualification.

## **1.0 Response to Contractor Questions**

### **Item No. 1.0.1**

#### **Response to Questions**

1. Refer to Questions (s)/Clarifications form with Answer(s) /Comments (s)

**Response:** See Addendum No. 004.

## **1.1 Architectural Drawing Clarifications**

### **Item No. 1.1.1**

#### **Drawing Clarification;**

Sheet A100 – Drawings Revisions:

1. Limit of development area expanded to include potential solar zone to the south of the fire station. Landscaping/tree and street work along Town Center Drive has been clouded to indicate that the limit of development along that side of the project continues to the back of walk. Landscaping/tree and street work along Terra Vista Drive has been clouded to indicate that the limit of development along that side of the project continues to the back of curb.

See revised sheet A100 – ARCHITECTURAL SITE PLAN

### **Item No. 1.1.2**

#### **Drawing Clarification;**

Sheet A111 – Drawing Revisions:

1. C3/A111 and D3/A111, floor assemblies have been added.

See revised sheet A111 – INTERIOR WALL AND FLOOR ASSEMBLIES

### **Item No. 1.1.3**

#### **Drawing Clarification;**

Sheet A132 – Drawings Revisions:

1. D2/A132 has been added.
2. Graphic clarification has been provided to delineate the extent of the epoxy terrazzo system as well as the cementitious concrete underlayment. Refer to revised D5/A132 Second Floor Plan and revised A5/A132 Key Legend.

See revised sheet A132 – SECOND FLOOR PLAN AND CLERESTORY PLAN

# **Addendum No. 004, Attachment B – RFP Revisions**

City of Rancho Cucamonga  
Fire Station 178  
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## **Item No. 1.1.4**

### **Drawing Clarification;**

Sheet A700 – Drawing Revisions:

1. Revision to finish schedule, 220 EQUIPMENT PLATFORM FLOOR FINISH/BASE revised to SHV.
2. Revision to legend, GC has been revised to GYPSUM CEMENT UNDERLAYMENT.

See revised sheet A700 – FINISH SCHEDULE

## **1.2 Structural Drawing Clarification**

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### **Item No. 1.2.1**

#### **Drawing Clarification;**

Sheet S1.7 Typical Details No. 7 – Drawings Revisions:

1. Detail 1/S1.7 Shear Wall Schedule, has been revised.

See revised sheet S1.7 TYPICAL DETAILS NO. 7

## **1.3 Plumbing Drawing Clarifications**

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### **Item No. 1.3.1**

#### **Drawing Clarification;**

Sheet P131 Plumbing Overall First Floor Plan – Drawings Revisions:

1. Roof and second floor deck storm drains indicated, and overflow piping added.

See revised sheet P131 PLUMBING OVERALL FIRST FLOOR PLAN

### **Item No. 1.3.2**

#### **Drawing Clarification;**

Sheet P132 Plumbing Enlarged First Floor Plan – Waste & Vent – Drawings Revisions:

1. Roof storm drain indicated, and overflow piping added.

See revised sheet P132 ENLARGED FIRST FLOOR PLAN – WASTE & VENT

### **Item No. 1.3.3**

#### **Drawing Clarification;**

Sheet P134 Plumbing Overall Second Floor Plan – Drawings Revisions:

1. Second floor deck drains (RD-1) and overflow piping added, storm drain lines indicated.

# **Addendum No. 004, Attachment B – RFP Revisions**

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Fire Station 178  
Rancho Cucamonga, California

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See revised sheet P134 OVERALL SECOND FLOOR PLAN

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## **Item No. 1.3.4**

### **Drawing Clarification;**

Sheet P135 Plumbing Enlarged Second Floor Plan – Drawings Revisions:

1. Roof storm drain indicated, and overflow piping added.

See revised sheet P135 PLUMBING ENLARGED SECOND FLOOR PLAN

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## **Item No. 1.3.5**

### **Drawing Clarification;**

Sheet P150 Plumbing Roof Plan – Drawings Revisions:

1. Roof storm drain symbol changed, and overflow piping added.

See revised sheet P150 PLUMBING ROOF PLAN

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## **1.4 Appendix B Clarifications**

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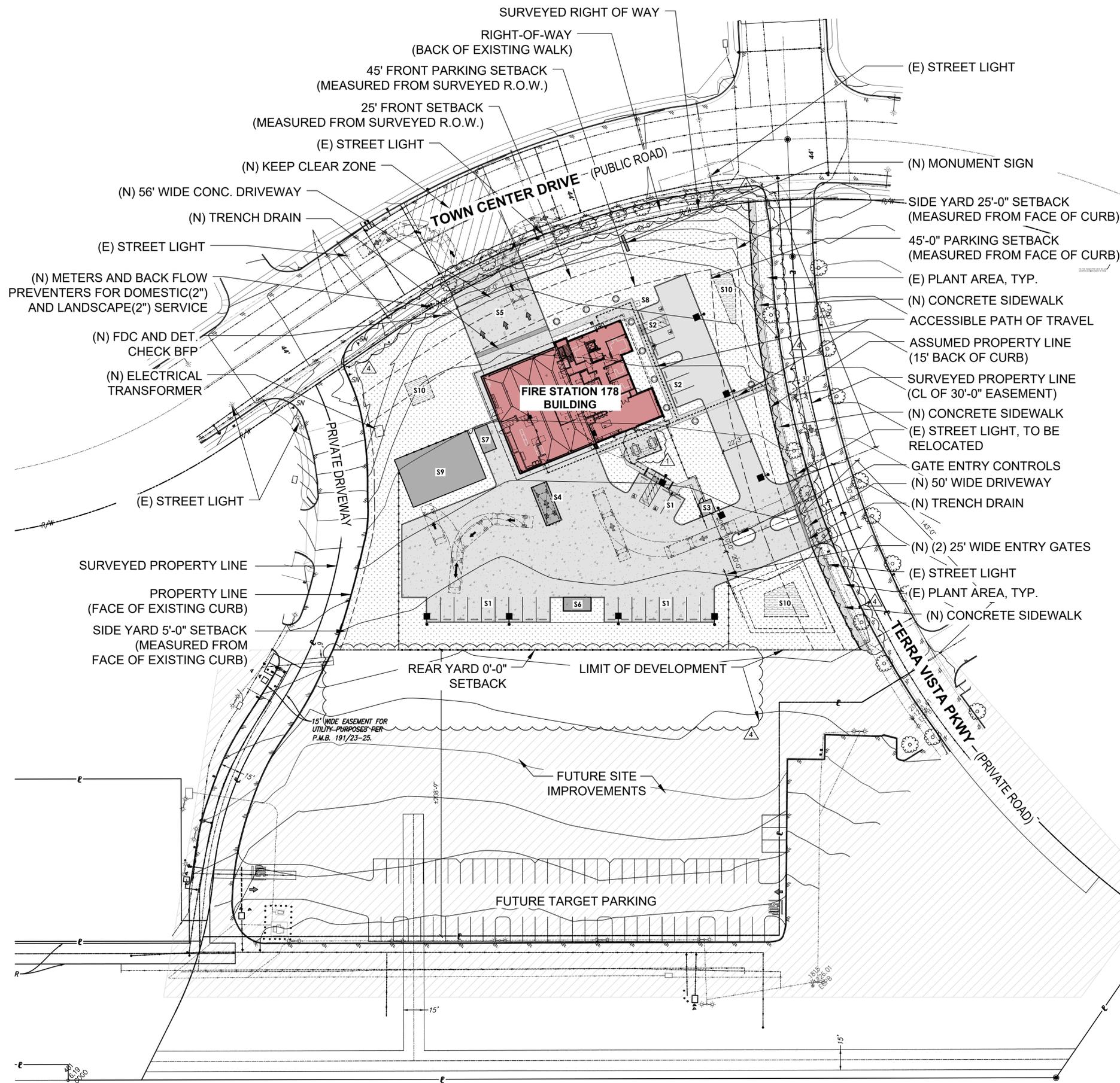
### **Item No. 1.4.1**

#### **Specification Clarification;**

Specification Section 32 31 19 – Fences, Gates, and Motorized Operators has been revised:

1. Item 2.07, Ornamental Perforated Metal Panels, G., has been added to include BOK Modern Blade & Post Fence Standardized Detail 11-page product document. This is for use at all site fencing and gates, patio fencing and trash enclosure gates.

See attached exhibit, by BOK Modern, for added item 2.07, G., SECTION 32 31 19 – FENCES, GATES, AND MOTORIZED OPERATORS.



**LEGEND:**

**NEW STRUCTURE & SITE SUPPORT SPACES**

- S1** FIRE DEPARTMENT PARKING (20 SPACES WITH ACCESSIBLE)
- S2** VISITOR PARKING SPACES (6 SPACES WITH ACCESSIBLE)
- S3** TRASH ENCLOSURE
- S4** VEHICLE WASH DOWN AREA
- S5** CONCRETE FRONT APRON
- S6** FIRE HYDRANT AREA
- S7** GENERATOR PAD
- S8** FLAG POLE
- S9** FUTURE PRE-ENGINEERED METAL STORAGE BUILDING
- S10** SITE DRAIN MANAGEMENT AREA

- (N) FENCE LINE
- PROPERTY LINE
- ACCESSIBLE PATH OF TRAVEL TO PUBLIC RIGHT-OF-WAY
- [Hatched Box] FUTURE SITE IMPROVEMENTS
- [Dotted Box] (N) LANDSCAPE AREA
- [Grid Box] (N) CONCRETE SIDEWALK/PAVEMENT
- [Cross-hatched Box] (N) BIO-RETENTION AREA
- [White Box] (N) ASPHALT PAVING
- (N) PARKING LOT LIGHT FIXTURE, TYP.
- (N) BOLLARD LIGHT FIXTURE, TYP.

architect:  
**MARY MCGRATH ARCHITECTS**  
 1212 BROADWAY, SUITE 1700  
 OAKLAND, CA 94612  
 phone: 510.208.9400  
 www.marymcgratharchitects.com

consultants:

no.	description	date
	SUBMISSION DATE	11/18/2020
1	ADDENDA #1	06/10/2021
4	ADDENDA #4	07/01/2021

phase:

no.	description	date
	SUBMISSION DATE	11/18/2020
1	ADDENDA #1	06/10/2021
4	ADDENDA #4	07/01/2021

**BRIDGING DOCUMENTS**



**CITY OF RANCHO CUCAMONGA**

**FIRE STATION 178**

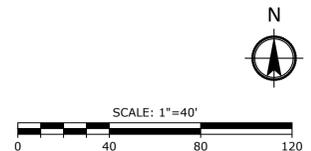
TOWN CENTER DR., RANCHO CUCAMONGA, CA 91730

drawing title:  
**ARCHITECTURAL SITE PLAN**

project no.:  
**2811.01**

sheet no.:  
**A100**

**1 ARCHITECTURAL SITE PLAN**  
 1" = 40'



architect:



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consultants:

no.	date	description
	04/15/2021	100% BRIDGING DOCUMENTS
4	07/01/2021	ADDENDA #4

phase:

**BRIDGING DOCUMENTS**



**CITY OF RANCHO CUCAMONGA**

**FIRE STATION 178**

**TOWN CENTER DR.  
RANCHO CUCAMONGA, CA  
91730**

drawing title:

**INTERIOR WALL  
TYPES AND FLOOR  
ASSEMBLIES**

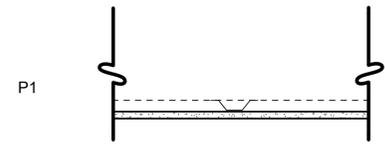
project no.:

**2811.01**

sheet no.:

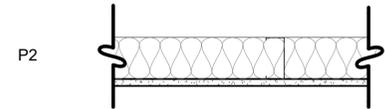
**A111**

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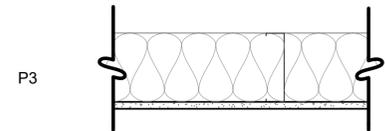
TYPICAL FURRING

- SUBSTRATE, VARIES
- 7/8" METAL FURRING CHANNELS
- 5/8" GYPSUM BOARD
- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS



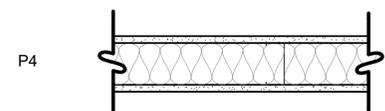
TYPICAL INTERIOR METAL STUD WALL

- 3 5/8" METAL STUD FRAME
- SOUND ATTENUATION BLANKET INSULATION
- 5/8" GYPSUM BOARD OR SUREBOARD SHEATHING, WHERE OCCURS
- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS



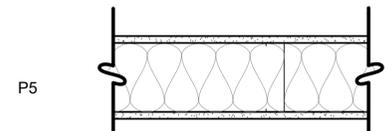
TYPICAL INTERIOR METAL STUD WALL

- 6" METAL STUD FRAME
- SOUND ATTENUATION BLANKET INSULATION
- 5/8" GYPSUM BOARD OR SUREBOARD SHEATHING, WHERE OCCURS
- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS



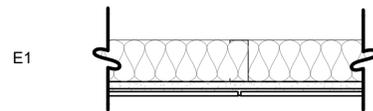
TYPICAL INTERIOR METAL STUD WALL

- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS
- 5/8" GYPSUM BOARD OR SUREBOARD SHEATHING, WHERE OCCURS
- 3 5/8" METAL STUD FRAME
- SOUND ATTENUATION BLANKET INSULATION
- 5/8" GYPSUM BOARD OR SUREBOARD SHEATHING, WHERE OCCURS
- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS



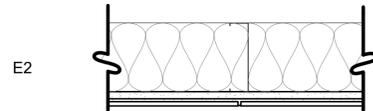
TYPICAL INTERIOR METAL STUD WALL

- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS
- 5/8" GYPSUM BOARD OR SUREBOARD SHEATHING, WHERE OCCURS
- 6" METAL STUD FRAME
- SOUND ATTENUATION BLANKET INSULATION
- 5/8" GYPSUM BOARD OR SUREBOARD SHEATHING, WHERE OCCURS
- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS



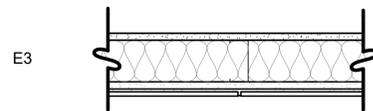
TYPICAL INTERIOR RESTROOM PLUMBING WALL

- 3 5/8" METAL STUD FRAME
- SOUND ATTENUATION BLANKET INSULATION, FULL DEPTH OF WALL CAVITY
- 5/8" CEMENT BOARD
- THIN SET CERAMIC TILE SYSTEM OR SOLID SURFACE: SEE SPEC, FINISH SCHEDULE & INTERIOR ELEVATIONS



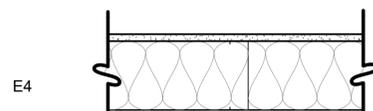
TYPICAL INTERIOR RESTROOM PLUMBING WALL

- 6" METAL STUD FRAME
- SOUND ATTENUATION BLANKET INSULATION, FULL DEPTH OF WALL CAVITY
- 5/8" CEMENT BOARD
- THIN SET CERAMIC TILE SYSTEM OR SOLID SURFACE: SEE SPEC, FINISH SCHEDULE & INTERIOR ELEVATIONS



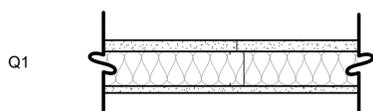
TYPICAL INTERIOR RESTROOM PLUMBING WALL

- 5/8" GYPSUM BOARD
- 3 5/8" METAL STUD FRAME
- SOUND ATTENUATION BLANKET INSULATION, FULL DEPTH OF WALL CAVITY
- 5/8" CEMENT BOARD
- THIN SET CERAMIC TILE SYSTEM OR SOLID SURFACE: SEE SPEC, FINISH SCHEDULE & INTERIOR ELEVATIONS



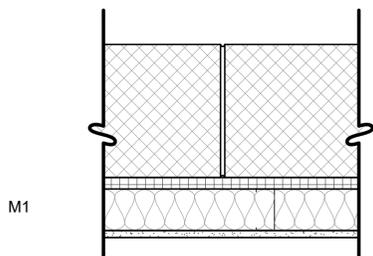
TYPICAL INTERIOR RESTROOM PLUMBING WALL

- 5/8" GYPSUM BOARD
- 6" METAL STUD FRAME
- SOUND ATTENUATION BLANKET INSULATION, FULL DEPTH OF WALL CAVITY
- 5/8" CEMENT BOARD
- THIN SET CERAMIC TILE SYSTEM OR SOLID SURFACE: SEE SPEC, FINISH SCHEDULE & INTERIOR ELEVATIONS



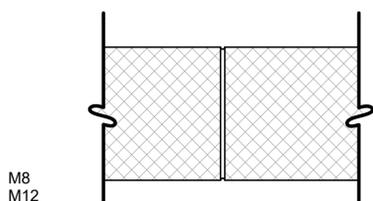
TYPICAL 1-HR FIRE-RATED SHAFT WALL

- 1" GYPSUM BOARD LINER PANEL
- 4" C-H METAL STUD FRAME
- SOUND ATTENUATION BLANKET INSULATION
- 5/8" GYPSUM BOARD
- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS



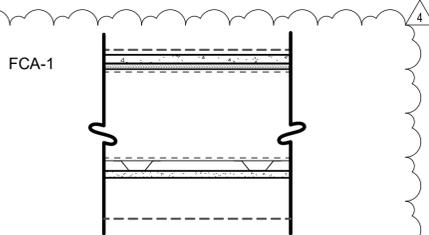
TYPICAL INTERIOR CONCRETE MASONRY + WALL STUD @ APPARATUS BAY

- 12" CMU, RE: STRUCTURAL
- 1" RIGID INSULATION (R-5 MINIMUM)
- 3 5/8" METAL STUD FRAME
- R-13 BUILDING INSULATION
- 5/8" GYPSUM BOARD
- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS



TYPICAL INTERIOR CONCRETE MASONRY

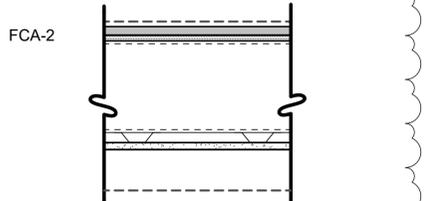
- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS
- 8" OR 12" CMU, RE: STRUCTURAL
- APPLIED INTERIOR WALL FINISH WHERE OCCURS, SEE FINISH SCHEDULE & INTERIOR ELEVATIONS



FLOOR CEILING ASSEMBLY - GYPSUM CEMENT UNDERLAYMENT

- 09 FINISH FLOOR MATERIAL, SEE FINISH SCHEDULE A700
- 033000 3/4" GYPSUM CEMENT UNDERLAYMENT
- 061600 SURE BOARD
- 054000 STRUCTURAL METAL FRAMING
- 055000 HAT CHANNEL @ 16" O.C.
- 092900 GYPSUM BOARD TYPE "X"
- 099123 PAINT
- 09 FINISH CEILING MATERIAL, SEE RCP A141

**C3 FLR. CLG. ASSEMBY - 1**



FLOOR CEILING ASSEMBLY - EPOXY TERRAZZO FILL

- 096623 EPOXY TERRAZZO FLOORING
- EPOXY FILL
- 061600 SURE BOARD
- 054000 STRUCTURAL METAL FRAMING
- 055000 HAT CHANNEL @ 16" O.C.
- 092900 GYPSUM BOARD TYPE "X"
- 099123 PAINT
- 09 FINISH CEILING MATERIAL, SEE RCP A141

**D3 FLR. CLG. ASSEMBY - 2**

**D2 INTERIOR WALL ASSEMBLIES**

**A5 KEY LEGEND**

**FCA-1**  
SEE DETAIL C3/A111 FLOOR CEILING ASSEMBLY AREAS WITH GYPSUM BOARD CEMENT UNDERLAYMENT. SEE A700 FOR FLOOR FINISHES.

**FCA-2**  
SEE DETAIL D3/A111 FLOOR CEILING ASSEMBLY AREAS WITH EPOXY TERRAZZO FILL. SEE A700 FOR FLOOR FINISHES.

XXXXXX X SPECIFICATION KEYNOTE

P-1 WALL TYPE, REFER TO ASSEMBLIES ON SHEETS A110 & A111

100A DOOR MARK, REFER TO DOOR SCHEDULE ON SHEET A600

1i STOREFRONT OR WINDOW MARK, REFER TO TYPES ON SHEET A610

**A3 SPECIFICATION KEYNOTES**

051200.1 STEEL COLUMN, REFER TO STRUCTURAL DWGS

077200.1 ROOF ACCESS HATCH AND HATCH FALL PROTECTION RAIL GUARD SYSTEM WITH SELF CLOSING GATE.

085213.1 ALUMINUM WINDOW

115200.1 RECESS TV MOUNT BRACKET. REFER TO ELECTRICAL DWGS FOR TV OUTLET W/ DATA

220000.1 COMBO ROOF OVERFLOW DRAIN, REFER TO PLUMBING DWGS

220000.6 BOTTLE FILLER W/ DRINKING FOUNTAIN, REFER TO PLUMBING DWGS

**A2 WALL LEGEND**

MASONRY WALL

MASONRY + METAL STUD WALL

METAL STUD WALL

30-MIN. OCCUPANCY SEPARATION

STEEL COLUMNS

**A1 GENERAL NOTES**

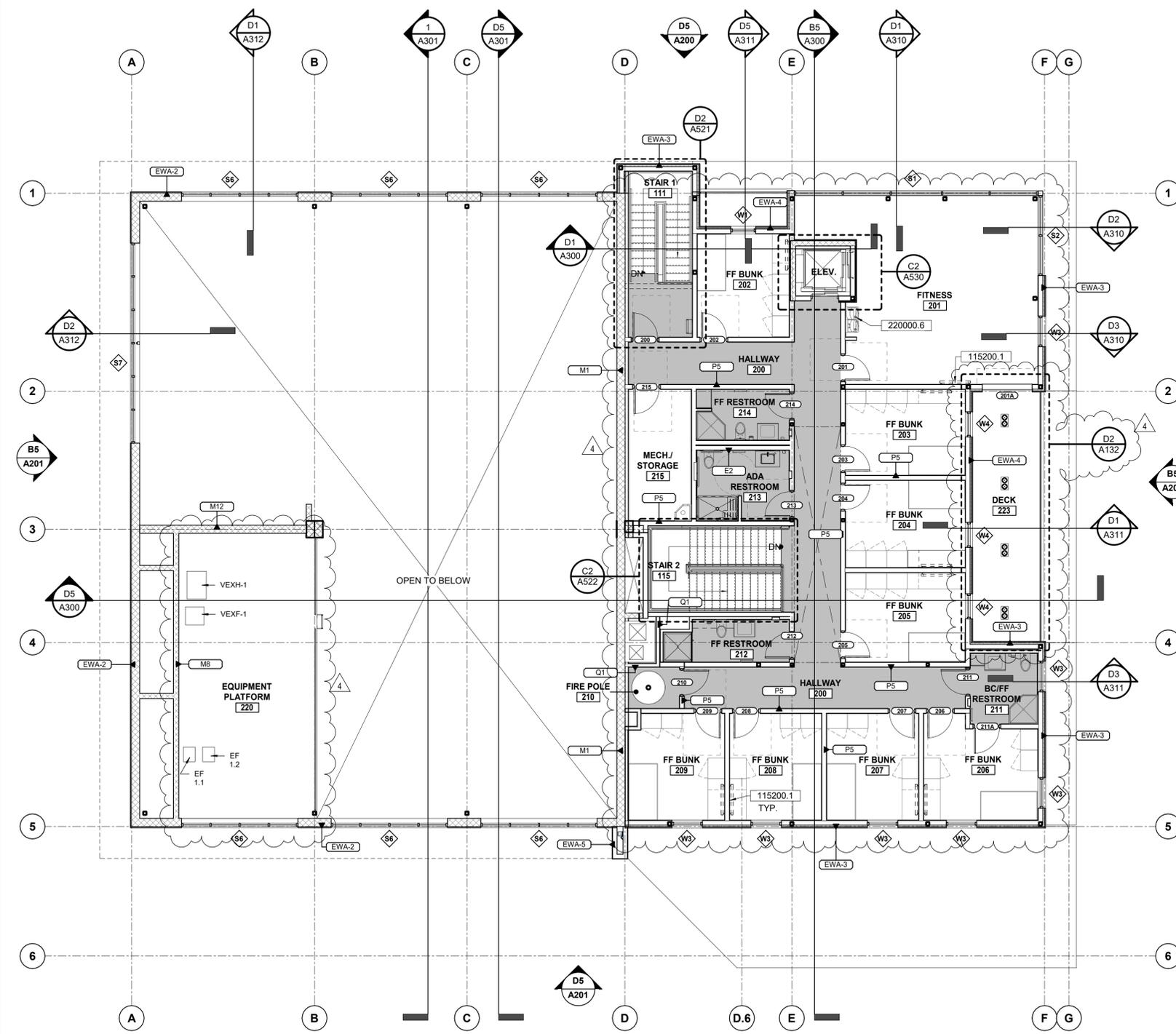
- A. REFER TO CIVIL PLANS FOR FURTHER INFORMATION ON SITE IMPROVEMENTS, ADJACENT FLATWORK, AND ADJACENT GRADES TO THE BUILDING.
- B. REFER TO ARCHITECTURAL SITE PLAN FOR FURTHER INFORMATION.
- C. REFER TO ENLARGED FLOOR PLANS FOR FURTHER INFORMATION ON EQUIPMENT LOCATIONS AND FLOOR SLOPE ELEVATIONS OR CONCRETE MASONRY WALLS, UNLESS OTHERWISE NOTED.
- D. ALL DIMENSIONS ARE TO THE FACE OF FRAMING OR CONCRETE MASONRY WALLS UNLESS OTHERWISE NOTED.
- E. REFER TO DRAWINGS A110 & A111 FOR EXTERIOR AND INTERIOR WALL TYPES.
- F. REFER TO STRUCTURAL PLANS TO VERIFY MINIMUM SHEAR WALL LENGTHS AND FOR FURTHER INFORMATION.
- G. CONTRACTOR TO REFER TO STRUCTURAL PLANS FOR LOCATION AND SIZE OF STRUCTURAL ELEMENTS AND COMPONENTS.
- H. REFER TO MECHANICAL PLANS FOR FURTHER INFORMATION ON MECHANICAL EQUIPMENT.
- I. REFER TO PLUMBING PLANS FOR FURTHER INFORMATION ON THE PLUMBING FIXTURES, COMPONENTS, AND SITE COORDINATION.
- J. REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION ON ELECTRICAL EQUIPMENT AND SITE COORDINATION.
- K. ALL DOOR THRESHOLDS TO BE LEVEL FROM JAMB TO JAMB, INCLUDING AT THE APPARATUS BAY FOLDING DOORS AND ROLLING / COILING DOORS.
- L. ALL DOOR JAMBS ON HINGE SIDE TO BE 4" FROM CORNER OF WALL UNLESS OTHERWISE NOTED.
- M. MINIMUM 1/8"-.12" SLOPE FOR CONCRETE FLOORS WHERE FLOOR AND TRENCH DRAIN OCCUR.
- N. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK TO COMPLY WITH ACCESSIBLE STANDARDS PER CODE.
- O. FIRE EXTINGUISHER CABINETS ARE SHOWN AND NOTED W/ FEC, LOCATION TO BE CONFIRMED W/ FIRE MARSHALL.

architect:

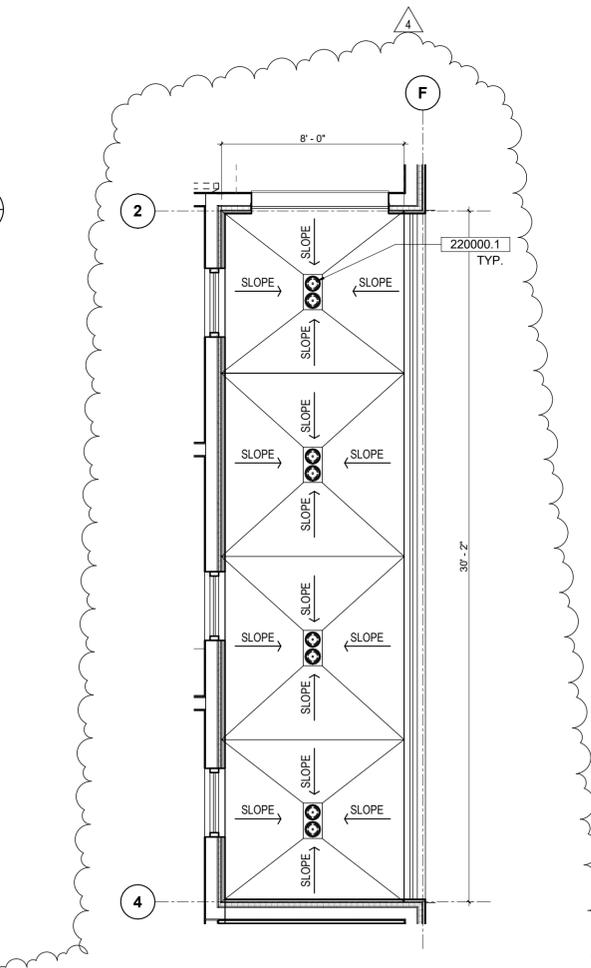
**MARY MCGRATH ARCHITECTS**

1212 BROADWAY, SUITE 1700  
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phone : 510.208.9400  
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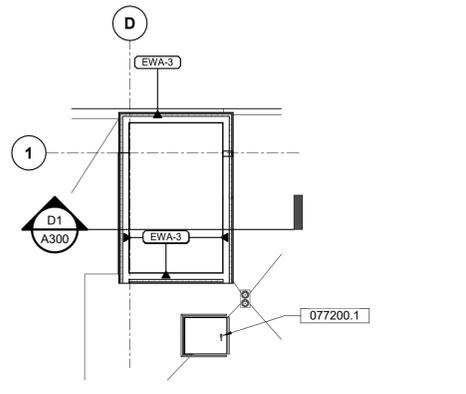
consultants:



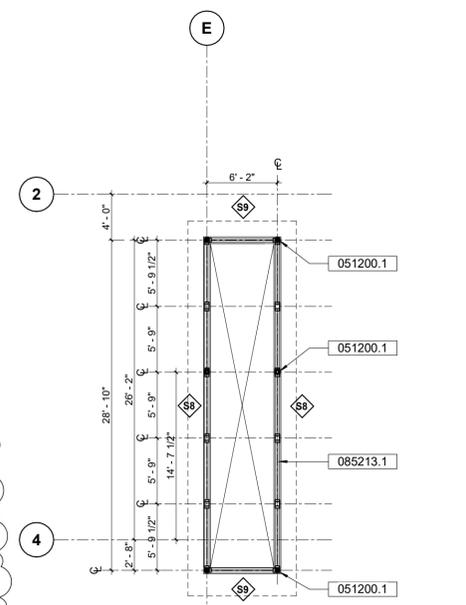
**D5 SECOND FLOOR PLAN**  
1/8" = 1'-0"



**D2 SECOND FLOOR DECK DRAIN LAYOUT/223**  
1/4" = 1'-0"



**B1 CLERESTORY STAIR PLAN**  
1/8" = 1'-0"



**D1 CLERESTORY FLOOR PLAN**  
1/8" = 1'-0"

no.	date	description
04/15/2021	100% BRIDGING DOCUMENTS	
4	07/01/2021	ADDENDA #4

phase:  
**BRIDGING DOCUMENTS**



**CITY OF RANCHO CUCAMONGA**

**FIRE STATION 178**

TOWN CENTER DR.  
RANCHO CUCAMONGA, CA  
91730

drawing title:  
**SECOND FLOOR PLAN AND CLERESTORY PLAN**

project no.:  
**2811.01**

sheet no.:  
**A132**

**A5 FINISH SCHEDULE**

RM NO.	ROOM NAME	FLOOR		WALL				CEILING MAT'L	REMARKS
		FINISH	BASE	NORTH	EAST	SOUTH	WEST		
<b>FIRST FLOOR</b>									
101	LOBBY	CPC	R	GLAZ, GWB	GLAZ, GWB	GWB	GWB	WD-1	
102	CONF./BC'S OFFICE	CPT	R	GWB, AWP	GWB, AWP, GMB	GWB, AWP	GWB, AWP	ACT-2	
103	ACCESSIBLE RESTROOM	ET	TB	CT	CT	CT	CT	GYP-2	
104	STATION OFFICE	CPC	R	GWB	GWB	GWB	GWB	ACT-2	
105	OFFICER'S OFFICE	CPC	R	GWB, AWP	GWB, AWP	GWB, AWP	GWB, AWP, GMB	ACT-2	
106	OFFICER'S OFFICE	CPC	R	GWB, AWP	GWB, AWP	GWB, AWP	GWB, AWP, GMB	ACT-2	
107	JANITOR / STORAGE	CPC	R	WPP	WPP	WPP	WPP	GYP-1	
108	ACCESSIBLE RESTROOM	ET	TB	CT, GWB	CT, GWB	CT, GWB	CT, GWB	GYP-2	
109	COMM.	SC	R	MCTB, GWB	MCTB, GWB	MCTB, GWB	MCTB, GWB	--	
110	HALLWAY	CPC	R	GWB	GWB	GWB	GWB	ACT-1	
111	STAIR 1	STNC	--	GWB	GWB	GWB	GWB	ACT-2	
112	DAY ROOM	CPT	R	GWB, AWP	GWB, AWP	GWB, AWP, GMB	--	WD-1	
113	DINING	CPC	R	GWB	GWB	GWB	GWB	WD-1	
114	KITCHEN	CPC	R	GWB, QSF	--	GWB, QSF	GWB, SS, QSF	GYP-1	
115	STAIR 2	STNC	--	GWB	GWB	GWB	GWB	ACT-1	
116	PANTRY	CPC	R	GWB	GWB	GWB	GWB	GYP-4	
117	MECH.	SC	R	GWB	GWB	GWB	GWB	--	
118	VEST.	CPC	R	WPP	WPP	WPP	WPP	ACT-1	
120	APPARATUS BAY	PC	R	CMU	CMU	CMU	CMU	GYP-1, GYP-4	
121	TURNOUT GEAR	PC	R	CMU	CMU	CMU	CMU	GYP-1	
122	CHARGING ALCOVE	PC	R	--	CMU	CMU	CMU	SFT-1	
123	TOOL SHOP	PC	R	CMU	CMU	CMU	CMU	GYP-1	
124	HOSE STOR. / DRYING ALCOVE	PC	R	CMU	--	CMU	CMU	GYP-1	
125	ELEV. MACHINE ROOM	SC	R	GWB	GWB	GWB	GWB	HSW-1	
126	FIRE POLE	PC	R	CMU	CMU	CMU	--	--	
127	MEDICAL CLEAN-UP ALCOVE	PC	R	CMU	CMU	CMU	--	HSW-1	
128	JAN.	SC	R	WPP	WPP	WPP	WPP	GYP-1	
129	MEDICAL STORAGE	SC	R	GWB	GWB	GWB	GWB	HSW-1	
130	MECH./YARD STOR.	SC	--	CMU	CMU	CMU	CMU	--	
131	ELECT.	SC	--	CMU	CMU	CMU	CMU	--	
132	FIRE RISER	SC	--	CMU	CMU	CMU	CMU	--	
133	WOKSHOP ALCOVE	PC	R	CMU	--	WPP	WPP	GYP-4	

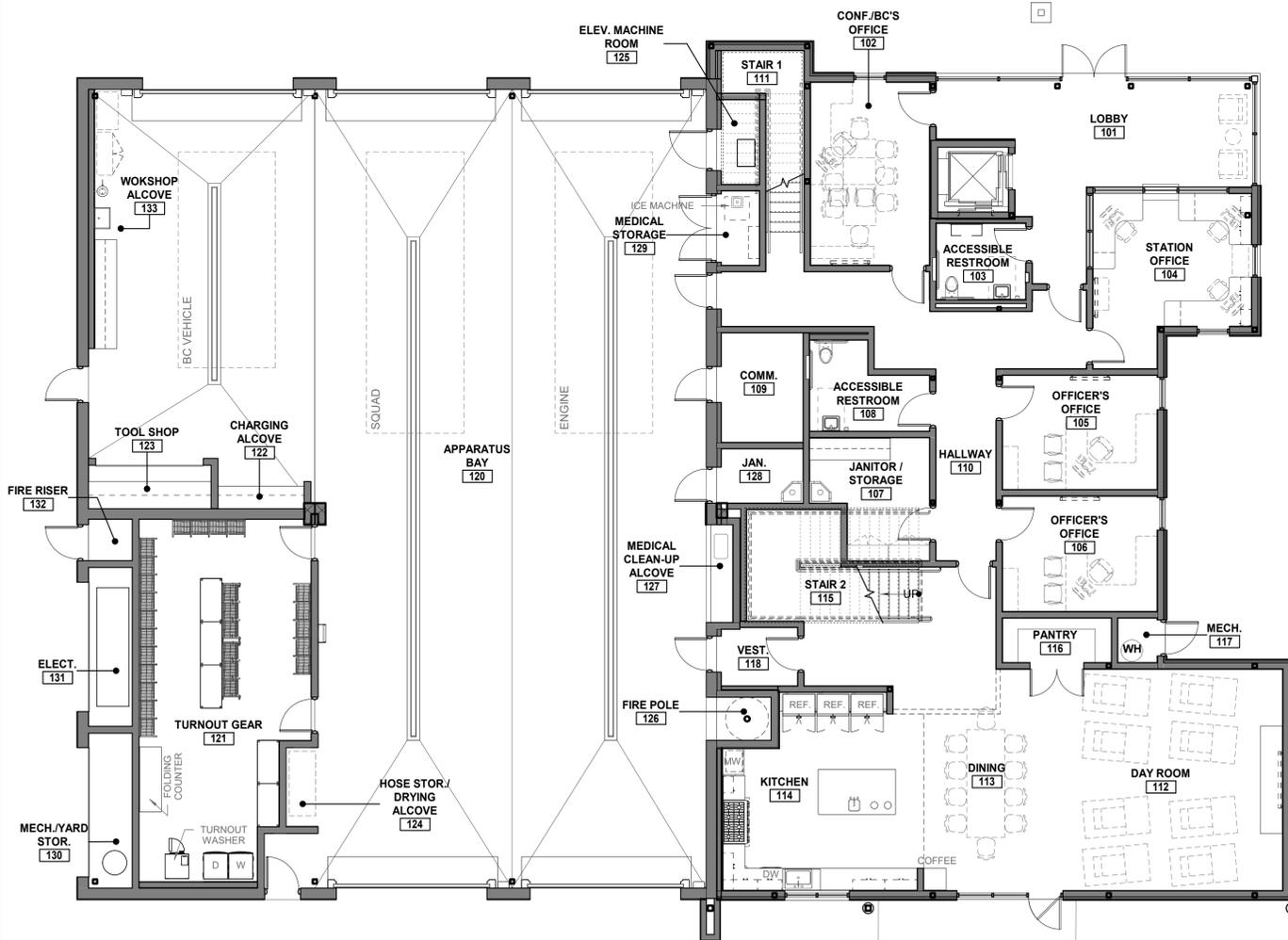
**B1 LEGEND**

<b>BASE</b>	
R	RESILIENT
SHV	INTEGRAL COVE BASE
TB	6" PRECAST TERRAZZO BASE
<b>CEILING</b>	
ACT-1	SUSPENDED 2x2 ACOUSTICAL CEILING PANEL
ACT-2	SUSPENDED 2x4 ACOUSTICAL CEILING PANEL
GYP-1	PAINTED GYPSUM BOARD
GYP-2	PAINTED WATER-RESISTANT GYPSUM BOARD
GYP-3	CEMENT PANEL SOFFIT
GYP-4	PAINTED SUSPENDED GYPSUM BOARD
HSW-1	GYPSUM BOARD SHAFWALL
SFT-1	GYPSUM BOARD SOFFIT
SSM	SOLID SURFACE MATERIAL
WD-1	SUSPENDED LINEAR CEILING - INTERIOR
WD-2	SUSPENDED LINEAR CEILING - EXTERIOR
<b>FLOOR</b>	
ATHL	ATHLETIC RUBBER FLOORING
CPC	COLOR POLISHED CONCRETE
CPT	CARPET TILE
ET	EPOXY TERRAZZO
GC	GYPSUM CEMENT UNDERLAYMENT 4
PC	POLISHED CONCRETE
R	RUBBER
SC	SEALED CONCRETE
SHV	RESILIENT FLOORING
STNC	STAINED CONCRETE
WT	WOOD TILE SYSTEM
<b>WALL</b>	
AWP	ACOUSTIC WALL PANELS
CMU	CONCRETE MASONRY UNIT, PAINT
CT	CERAMIC TILE
GMB	GLASS MARKER BOARD
GWB	PAINTED GYPSUM BOARD
MCTB	8' H x 3/4" FIRE-RETARDANT BACKBOARD
QSF	QUARTZ SURFACING FABRICATION
SS	STAINLESS STEEL
WPP	WALL PROTECTION PANEL

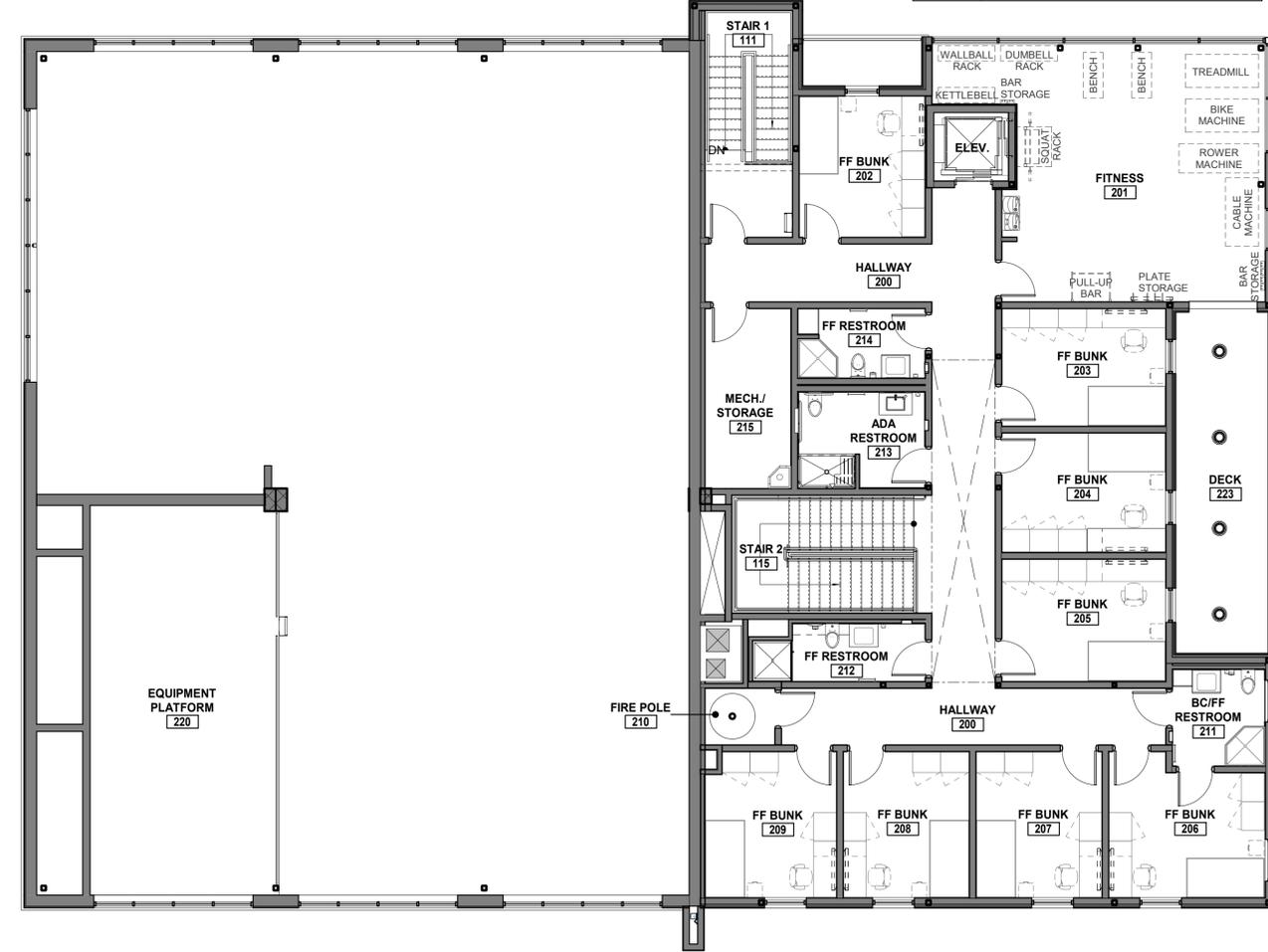
RM NO.	ROOM NAME	FLOOR		WALL				CEILING MAT'L	REMARKS
		FINISH	BASE	NORTH	EAST	SOUTH	WEST		
<b>SECOND FLOOR</b>									
200	HALLWAY	ET	TB	GWB	GWB	GWB	GWB	ACT-1	
201	FITNESS	ATHL	R	GWB	GWB	WPP, GWB	WPP, GWB	ACT-1	
202	FF BUNK	CPT	R	GWB	GWB	GWB	GWB	ACT-2	
203	FF BUNK	CPT	R	GWB	GWB	GWB	GWB	ACT-2	
204	FF BUNK	CPT	R	GWB	GWB	GWB	GWB	ACT-2	
205	FF BUNK	CPT	R	GWB	GWB	GWB	GWB	ACT-2	
206	FF BUNK	CPT	R	GWB	GWB	GWB	GWB	ACT-2	
207	FF BUNK	CPT	R	GWB	GWB	GWB	GWB	ACT-2	
208	FF BUNK	CPT	R	GWB	GWB	GWB	GWB	ACT-2	
209	FF BUNK	CPT	R	GWB	GWB	GWB	GWB	ACT-2	
210	FIRE POLE	ET	TB	WPP	WPP	WPP	WPP	GYP-1	
211	BC/FF RESTROOM	ET	TB	CT, GWB	CT, GWB	CT, GWB	CT, GWB	GYP-2	SOLID-SURFACE SHOWER WALLS/CEILING
212	FF RESTROOM	ET	TB	CT, GWB	CT, GWB	CT, GWB	CT, GWB	GYP-2	SOLID-SURFACE SHOWER WALLS/CEILING
213	ADA RESTROOM	ET	TB	CT, GWB	CT, GWB	CT, GWB	CT, GWB	GYP-2	SOLID-SURFACE SHOWER WALLS/CEILING
214	FF RESTROOM	ET	TB	CT, GWB	CT, GWB	CT, GWB	CT, GWB	GYP-2	SOLID-SURFACE SHOWER WALLS/CEILING
215	MECH./ STORAGE	SHV	SHV	GWB	GWB	GWB	GWB	GYP-1	
220	EQUIPMENT PLATFORM	SHV	SHV	CMU	--	CMU	CMU	GYP-4	
223	DECK	WT	--	--	--	--	--	WD-2	

**B3 GENERAL NOTES**

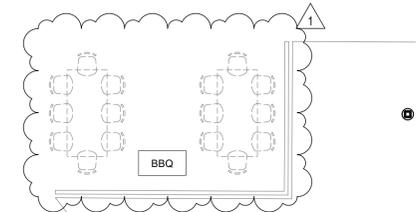
- A. REFER TO ENLARGED PLANS FOR ADDITIONAL INFORMATION.
- B. REFER TO REFLECTED CEILING PLANS A141 AND A142 FOR CEILING HEIGHTS AND ADDITIONAL INFORMATION.
- C. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.



**D5 FIRST FLOOR FINISH PLAN**  
1/8" = 1'-0"



**D3 SECOND FLOOR PLAN**  
1/8" = 1'-0"



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consultants:

no.	date	description
	04/15/2021	100% BRIDGING DOCUMENTS
1	06/10/2021	ADDENDA #1
4	07/01/2021	ADDENDA #4

phase:

**BRIDGING DOCUMENTS**

**CITY OF RANCHO CUCAMONGA**

**FIRE STATION 178**

TOWN CENTER DR.  
RANCHO CUCAMONGA, CA  
91730

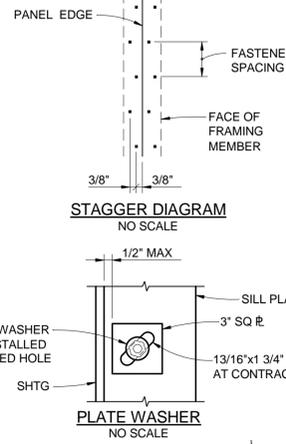
drawing title:  
**FURNISHING/FINISH PLAN AND SCHEDULE**

project no.:  
**2811.01**

sheet no.:  
**A700**

SHEAR WALL SCHEDULE (SFRS) REMARK 1,2,3,4,5,6,7,13,14							
TYPE	ALLOWABLE SHEAR (SERVICE LOAD)	RATED SHGT/ SIDING	EDGE/BOUNDARY FASTENING	FIELD FASTENING	BOTTOM TRACK CONNECTION		REMARKS
			SCREWS	SCREWS	BOLTS/HILTITEN ANCHOR	SIMPSON SDS SCREWS	
A	678#/FT	SURE-BOARD SERIES 200, No. 22 Ga	No. 8 x 1 3/4" @ 6" OC STAGGERED	1'-0" OC	5/8" DIA AB @ 6" OC W/ 8" EMBED	@ 1'-0" OC	8, 9
B	922#/FT	SURE-BOARD SERIES 200, No. 22 Ga	No. 8 x 1 3/4" @ 4" OC STAGGERED	1'-0" OC	5/8" DIA AB @ 4" OC W/ 8" EMBED	@ 8" OC	8, 9
C	1092#/FT	SURE-BOARD SERIES 200, No. 22 Ga	No. 8 x 1 3/4" @ 3" OC STAGGERED	1'-0" OC	5/8" DIA AB @ 4" OC W/ 8" EMBED	@ 8" OC	8, 9
D	1253#/FT	SURE-BOARD SERIES 200, No. 22 Ga	No. 8 x 1 3/4" @ 2" OC STAGGERED	1'-0" OC	5/8" DIA AB @ 3" OC W/ 8" EMBED	@ 6" OC	8, 9
E	1710#/FT	SURE-BOARD SERIES 200, No. 22 Ga, 2 SIDES	No. 8 x 1 3/4" @ 2" OC STAGGERED	8" OC	--	@ 4" OC	10, 11, 12

- REMARKS
- FASTENING APPLIES TO ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKING.
  - ANCHOR BOLT WASHER SHALL BE 0.229" x 3" SQ PLATE WASHER, SEE WASHER DETAIL.
  - MINIMUM BOTTOM TRACK FASTENING EDGE DISTANCE SHALL BE 5/8".
  - MINIMUM SIMPSON SDS SCREW EDGE DISTANCE SHALL BE 1".
  - SIMPSON SCREWS ARE SDS25600.
  - SHEATHING/SIDING SHALL BE EDGE FASTENED AT ALL PANEL EDGES, TOP AND BOTTOM TRACKS, HOLDOWN STUDS AND BLOCKING LOCATIONS AS WELL AS OTHER LOCATIONS SHOWN IN THE DRAWINGS.
  - FASTENERS SHALL BE NO. 8 SCREWS.
  - AT ALL ADJOINING PANEL EDGES, INSTALL 2-S600S162-54.
  - REQUIRES 2-S600S162-54 BOTTOM TRACK WITH STAGGERED SCREWS.
  - INSTALL BLOCKING AT ALL ADJOINING PANEL EDGES.
  - REQUIRES 2-S600S162-54 BOTTOM TRACK.
  - REQUIRES SPECIAL INSPECTION WHEN NAILING OR STAPLING AT 4" OR LESS.
  - SURE-BOARD SHALL BE SERIES 200B WHERE SPECIFIED ON THE ARCHITECTURAL PLANS. SEE ARCHITECTURAL PLANS FOR GYPSUM WALL TYPE TO BE USED ON SURE-BOARD.
  - SEE UES ER-126 FOR ALL SUREBOARD DETAILS AND REQUIREMENTS NOT NOTED.

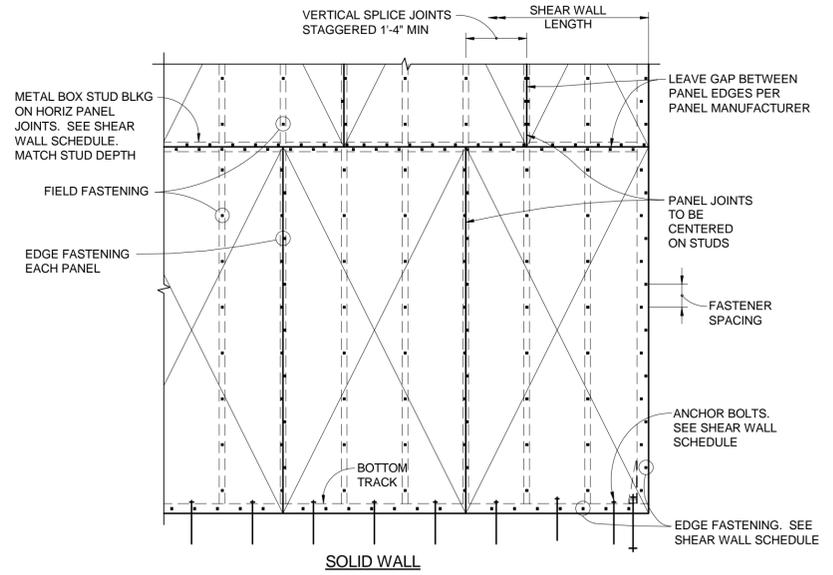


**DETAIL 1**  
NO SCALE S1.7

HOLDOWN/SEISMIC TIE SCHEDULE (SFRS)					
TYPE	HOLDOWN ANCHOR	ANCHOR ROD DIA	EMBED LENGTH	HOLDOWN POST (UON)/BLKG	
1	SIMPSON CS16	--	--	54 MIL STUD	
2	SIMPSON CS20	--	--	33 MIL STUD	
3	SIMPSON S/HDU4	5/8"	14"	2-S600S162-43	
4	SIMPSON S/HDU6	5/8"	14"	2-S600S162-43	
5	SIMPSON S/HDU9	7/8"	16"	2-S600S162-43	
6	SIMPSON S/HDU11	7/8"	16"	2-S600S162-43	

- NOTES:
- SEE HOLDOWN DETAILS FOR REQ'D HOLDOWN GAP AND ANCHOR ROD PROJECTION.
  - ALL HOLDOWNS SHALL BE CONTINUOUS TO FOUNDATION OR BEAM BELOW.
  - INSTALL HOLDOWNS & TIES PER MANUFACTURER INSTRUCTIONS. ALL HOLDOWN BOLTS SHALL BE TIGHTENED PRIOR TO INSPECTION.
  - ANCHOR RODS SHALL BE THREADED FULL LENGTH.
  - CENTER STRAP ON BLOCKING.
  - SPLICE AS REQUIRED. SEE DETAIL 6/S1.5.
  - MUST HAVE MINIMUM EDGE DISTANCE OF 1 1/2" FROM EDGE OF BLKG TO SCREW.

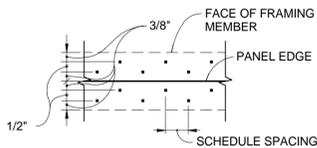
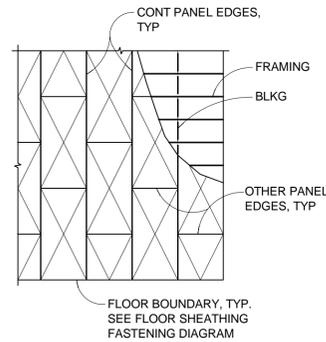
**DETAIL 2**  
NO SCALE S1.7



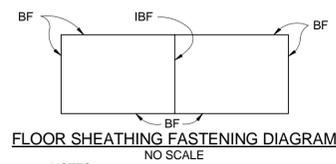
**TYPICAL SHEAR WALL ELEVATION 3**  
NO SCALE S1.7

FLOOR SHEATHING FASTENING SCHEDULE (SFRS) 1,2,3				
ZONE	FLOOR BOUNDARIES SCREWS	CONTINUOUS PANEL EDGE/BOUNDARY SCREWS	OTHER PANEL EDGES SCREWS	FASTENING NOTES
A	6" OC	6" OC	6" OC	4-7

- FASTENING NOTES:
- FASTENERS AT SQUARE EDGES & SUPPORTED T&G EDGES SHALL BE NO. 10 SCREWS.
  - FASTEN EDGES OF EACH SHEATHING PANEL TO ALL STEEL BEAMS W/ FASTENERS @ 4" UNLESS HEAVIER FASTENING IS CALLED ELSEWHERE.
  - FIELD FASTENING SHALL BE @ 12" OC FOR SCREWS.
  - INSTALL FULL LENGTH BOX STUD BLOCKING AT ALL UNSUPPORTED SQUARE PANEL EDGES.
  - INSTALL BOX STUD FRAMING/BLOCKING AT FLOOR BOUNDARIES AND AT ALL ADJOINING PANEL EDGES.
  - SURE-BOARD SHALL BE SERIES 200S WITH 11/16" FIBER BOARD CONCRETE TO BE USED WITH 20 Ga SHEET METAL SURE-BOARD.
  - SEE UES ER-185 FOR ALL SURE-BOARD DETAILS AND REQUIREMENTS NOT NOTED.



**STAGGERED EDGE FASTENING ONE LINE STAGGERED**

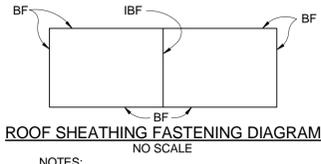
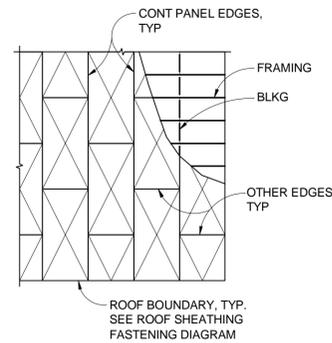


- NOTES:
- BF DENOTES BOUNDARY FASTENING
  - IBF DENOTES BOUNDARY FASTENING FROM EACH SIDE ADJACENT TO THE BOUNDARY

**DETAIL 4**  
NO SCALE S1.7

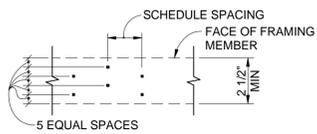
ROOF SHEATHING FASTENING SCHEDULE (SFRS) 1,2,3,4,5				
ZONE	ROOF BOUNDARIES NAILS/SCREWS	CONTINUOUS PANEL EDGES NAILS/SCREWS	OTHER PANEL EDGES NAILS/SCREWS	FASTENING NOTES
B	6" OC	6" OC	6" OC	6,7

- FASTENING NOTES:
- ALL FASTENERS SHALL BE NO. 10 SCREWS.
  - FASTEN EDGES OF EACH SHEET OF PANEL TO ALL STEEL JOISTS W/ TRUSSES W/ FASTENERS @ 4" UNLESS HEAVIER FASTENING IS CALLED ELSEWHERE.
  - FIELD FASTENING SHALL BE @ 12" OC FOR SCREWS.
  - USE SIMPSON PANEL SHEATHING CLIP WHERE EDGES ARE UNBLOCKED.

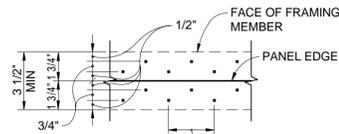


- NOTES:
- BF DENOTES BOUNDARY FASTENING
  - IBF DENOTES BOUNDARY FASTENING FROM EACH SIDE ADJACENT TO THE BOUNDARY

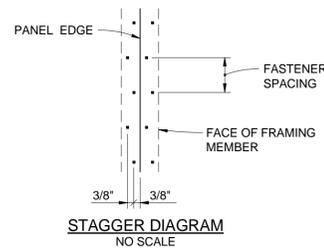
**DETAIL 5**  
NO SCALE S1.7



**BOUNDARY FASTENING TWO LINES STAGGERED**



**PANEL EDGE FASTENING TWO LINES UNSTAGGERED**



**STAGGER DIAGRAM NO SCALE**

PLAN CHECK SET/NOT FOR CONSTRUCTION (6/30/21)

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no.	description	date
1	100% BRIDGING DOCUMENTS	4/15/2021
4	ADDENDA #	7/1/2021

phase:

**BRIDGING DOCUMENTS**



**CITY OF RANCHO CUCAMONGA**

**FIRE STATION 178**

TOWN CENTER DR.  
RANCHO CUCAMONGA, CA  
91730

drawing title:

**TYPICAL DETAILS No. 7**

project no.:

**2811.01**

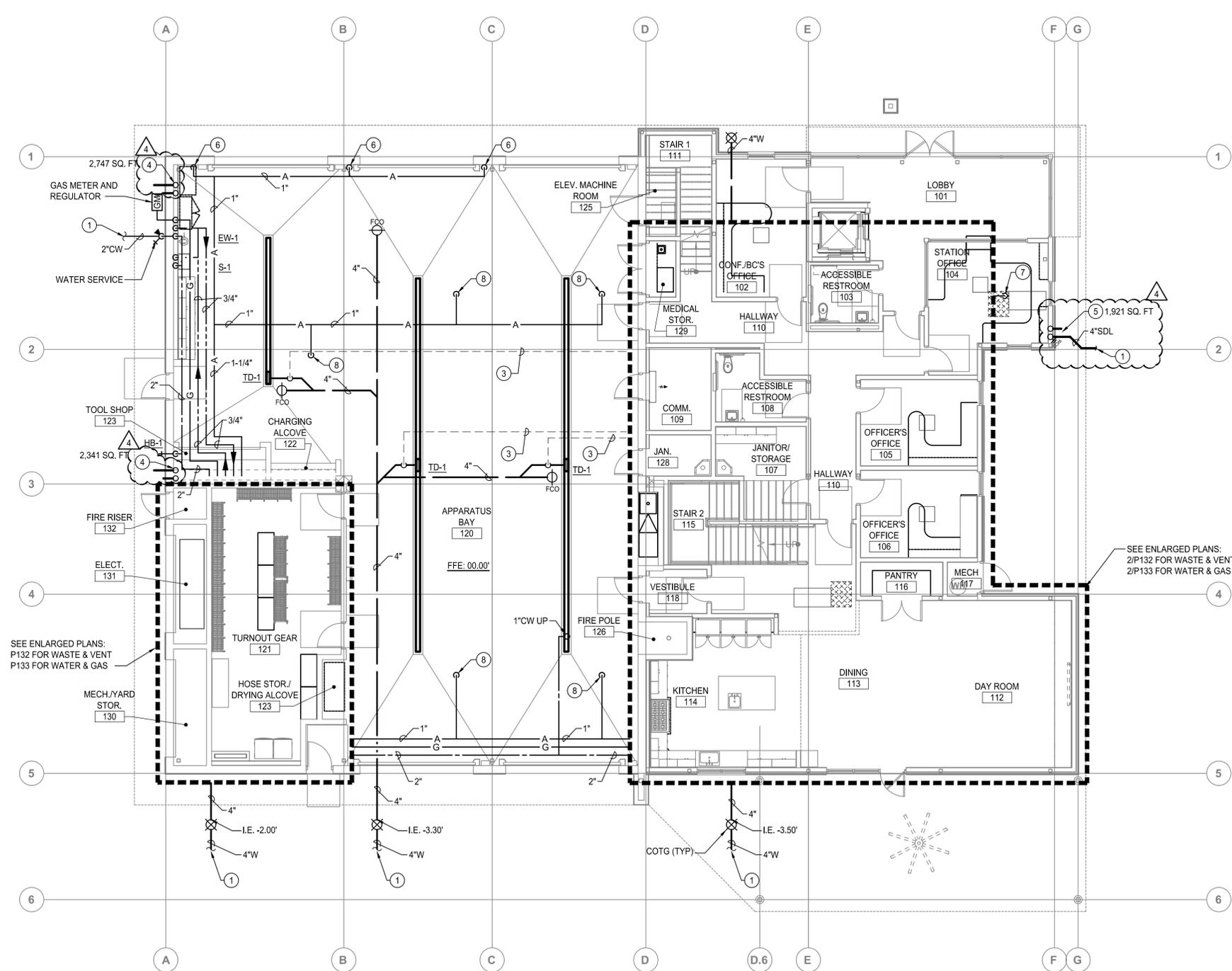
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**S1.7**

PRELIMINARY - NOT FOR CONSTRUCTION

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KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE CIVIL PLANS FOR CONTINUATION OF PIPING.
2	INVERT ELEVATION WHERE THE BUILDING DRAIN AND BUILDING SEWER MEET SHALL BE -3.30' MINIMUM BELOW THE FINISHED FLOOR ELEVATION.
3	2" VENT BELOW FLOOR.
4	4" STORM DRAIN AND OVERFLOW FROM ABOVE. TERMINATE PIPING THROUGH WALL 6" ABOVE FINISHED GRADE WITH WATTS #RD-940 DOWNSPOUT.
5	4" STORM DRAIN AND OVERFLOW FROM ABOVE. PROVIDE WALL CLEANOUT ON STORM DRAIN LEADER AT 90° CONNECTION BEFORE PIPING ROUTES UNDERGROUND. CONTINUE UNDERGROUND AND THROUGH CURB WITH CURB-O-LET OR SIMILAR PRODUCT. TERMINATE OVERFLOW PIPING THROUGH WALL 6" ABOVE FINISHED GRADE WITH WATTS #RD-940 DOWNSPOUT.
6	3/4" AIR DOWN. TERMINATE NO LOWER THAN 2" ABOVE FINISH FLOOR WITH QUICK DISCONNECT. COORDINATE WITH OWNER FOR CONNECTOR TYPE.
7	3/4" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT.
8	3/4" AIR DOWN TO PLYMOVENT SYSTEM. PROVIDE CONNECTION TO EQUIPMENT PER THE MANUFACTURERS INSTRUCTIONS
PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	PROVIDE ANGLE STOPS FOR ALL PLUMBING FIXTURE BRANCH PIPING LINES.
3	SEE GAS RISER DIAGRAM ON SHEET P002 FOR SIZING, CALCULATIONS AND EQUIPMENT LOADS.
4	SLOPE SANITARY WASTE PIPING MIN 2% IN DIRECTION OF FLOW.
5	SLOPE VENT PIPING UP TOWARDS VTR MIN 1%.
6	SLOPE CONDENSATE PIPING MIN 1% IN DIRECTION OF FLOW.
7	ALL ROOMS WITH FLOOR DRAINAGE MUST HAVE FLOORS SLOPED TOWARD DRAIN. SEE ARCHITECTURAL PLANS FOR REQUIRED SLOPE.
8	PROVIDE CLEANOUTS IN ALL LOCATIONS SHOWN. COORDINATE ALL WALL CLEANOUTS WITH PLUMBING FIXTURES, CASEWORK, AND ARCHITECTURAL ELEVATIONS.
9	REFER TO MECHANICAL SHEETS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
10	PLUMBING VENTS SHALL TERMINATE NOT LESS THAN 6" ABOVE THE ROOF, NOR LESS THAN 12" FROM A VERTICAL SURFACE. MAINTAIN 10'-0" CLEARANCE FROM BUILDING AIR INTAKES.
11	HORIZONTAL RAIN WATER PIPING HAS BEEN SIZED PER 2019 CPC TABLE 1103.2 USING A RAINFALL RATE OF 3"(IN/H) & 1/4"/FT SLOPE

PLUMBING OVERALL FIRST FLOOR PLAN

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



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4	ADDENDA #4	07/01/2021

phase:  
**BRIDGING DOCUMENTS**



**CITY OF RANCHO CUCAMONGA**  
**FIRE STATION 178**

TOWN CENTER DR., RANCHO CUCAMONGA, CA 91730

drawing title:

**PLUMBING OVERALL FIRST FLOOR PLAN**

project no.:  
**2811.01**

sheet no.:  
**P131**

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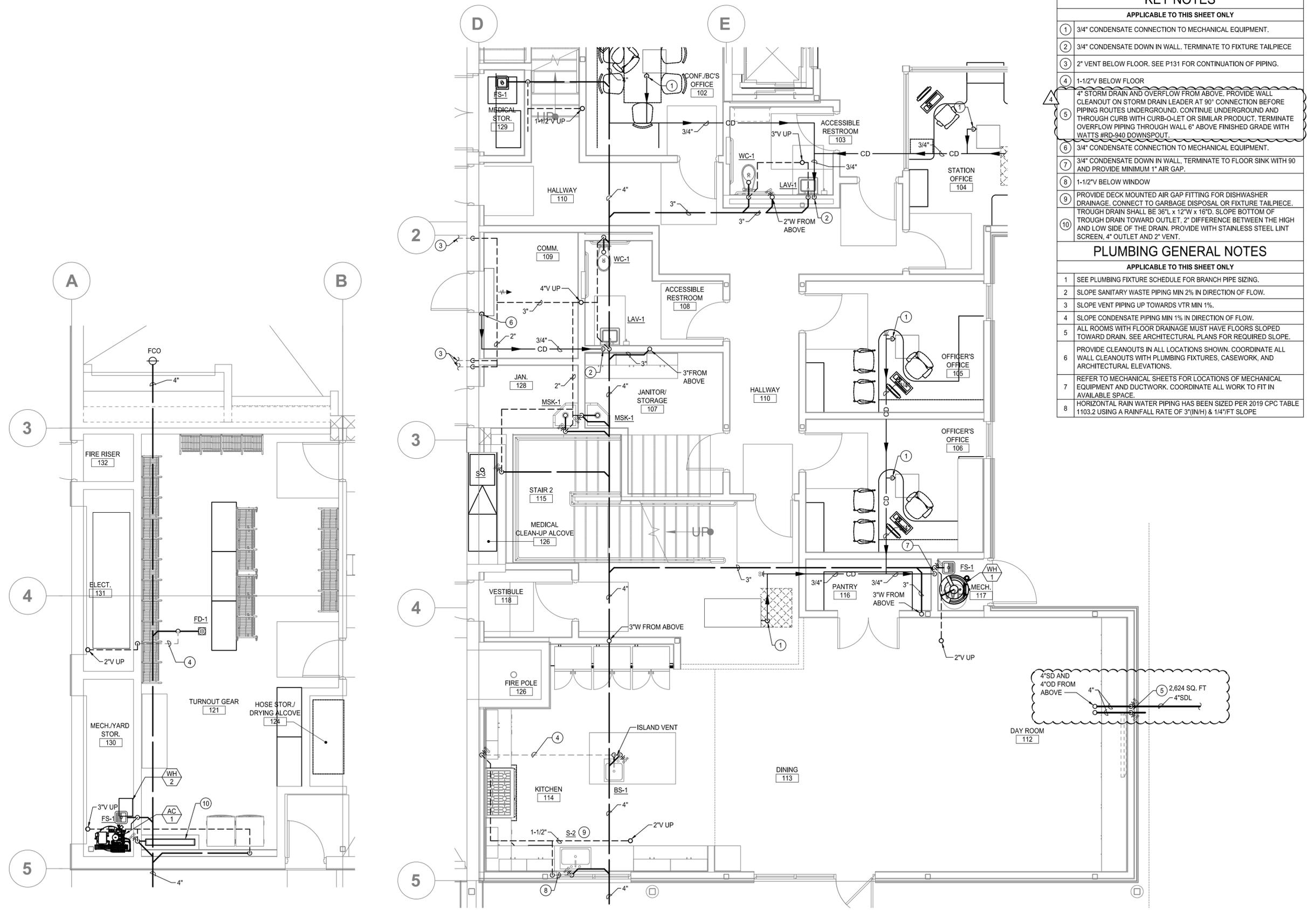
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6/30/2021 1:15:48 PM

**1 ENLARGED WASTE AND VENT**  
**PLUMBING ENLARGED FIRST FLOOR PLAN - WASTE & VENT**

**2 ENLARGED WASTE AND VENT**

- KEY NOTES**  
 APPLICABLE TO THIS SHEET ONLY
- 1 3/4" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT.
  - 2 3/4" CONDENSATE DOWN IN WALL. TERMINATE TO FIXTURE TAILPIECE
  - 3 2" VENT BELOW FLOOR. SEE P131 FOR CONTINUATION OF PIPING.
  - 4 1-1/2" V BELOW FLOOR
  - 5 4" STORM DRAIN AND OVERFLOW FROM ABOVE. PROVIDE WALL CLEANOUT ON STORM DRAIN LEADER AT 90° CONNECTION BEFORE PIPING ROUTES UNDERGROUND. CONTINUE UNDERGROUND AND THROUGH CURB WITH CURB-O-LET OR SIMILAR PRODUCT. TERMINATE OVERFLOW PIPING THROUGH WALL 6" ABOVE FINISHED GRADE WITH WATTS HRD-940 DOWNSPOUT.
  - 6 3/4" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT.
  - 7 3/4" CONDENSATE DOWN IN WALL. TERMINATE TO FLOOR SINK WITH 90 AND PROVIDE MINIMUM 1" AIR GAP.
  - 8 1-1/2" V BELOW WINDOW
  - 9 PROVIDE DECK MOUNTED AIR GAP FITTING FOR DISHWASHER DRAINAGE. CONNECT TO GARBAGE DISPOSAL OR FIXTURE TAILPIECE. TROUGH DRAIN SHALL BE 36"L x 12"W x 16"D. SLOPE BOTTOM OF TROUGH DRAIN TOWARD OUTLET. 2" DIFFERENCE BETWEEN THE HIGH AND LOW SIDE OF THE DRAIN. PROVIDE WITH STAINLESS STEEL LINT SCREEN, 4" OUTLET AND 2" VENT.
  - 10
- PLUMBING GENERAL NOTES**  
 APPLICABLE TO THIS SHEET ONLY
- 1 SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
  - 2 SLOPE SANITARY WASTE PIPING MIN 2% IN DIRECTION OF FLOW.
  - 3 SLOPE VENT PIPING UP TOWARDS VTR MIN 1%.
  - 4 SLOPE CONDENSATE PIPING MIN 1% IN DIRECTION OF FLOW.
  - 5 ALL ROOMS WITH FLOOR DRAINAGE MUST HAVE FLOORS SLOPED TOWARD DRAIN. SEE ARCHITECTURAL PLANS FOR REQUIRED SLOPE.
  - 6 PROVIDE CLEANOUTS IN ALL LOCATIONS SHOWN. COORDINATE ALL WALL CLEANOUTS WITH PLUMBING FIXTURES, CASEWORK, AND ARCHITECTURAL ELEVATIONS.
  - 7 REFER TO MECHANICAL SHEETS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
  - 8 HORIZONTAL RAIN WATER PIPING HAS BEEN SIZED PER 2019 CPC TABLE 1103.2 USING A RAINFALL RATE OF 3"(INH) & 14"/FT SLOPE



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4	ADDENDA #4	07/01/2021

phase:  
**BRIDGING DOCUMENTS**

**CITY OF RANCHO CUCAMONGA**  
**FIRE STATION 178**

TOWN CENTER DR., RANCHO CUCAMONGA, CA 91730

drawing title:  
**PLUMBING ENLARGED FIRST FLOOR PLAN - WASTE & VENT**

project no.:  
**2811.01**

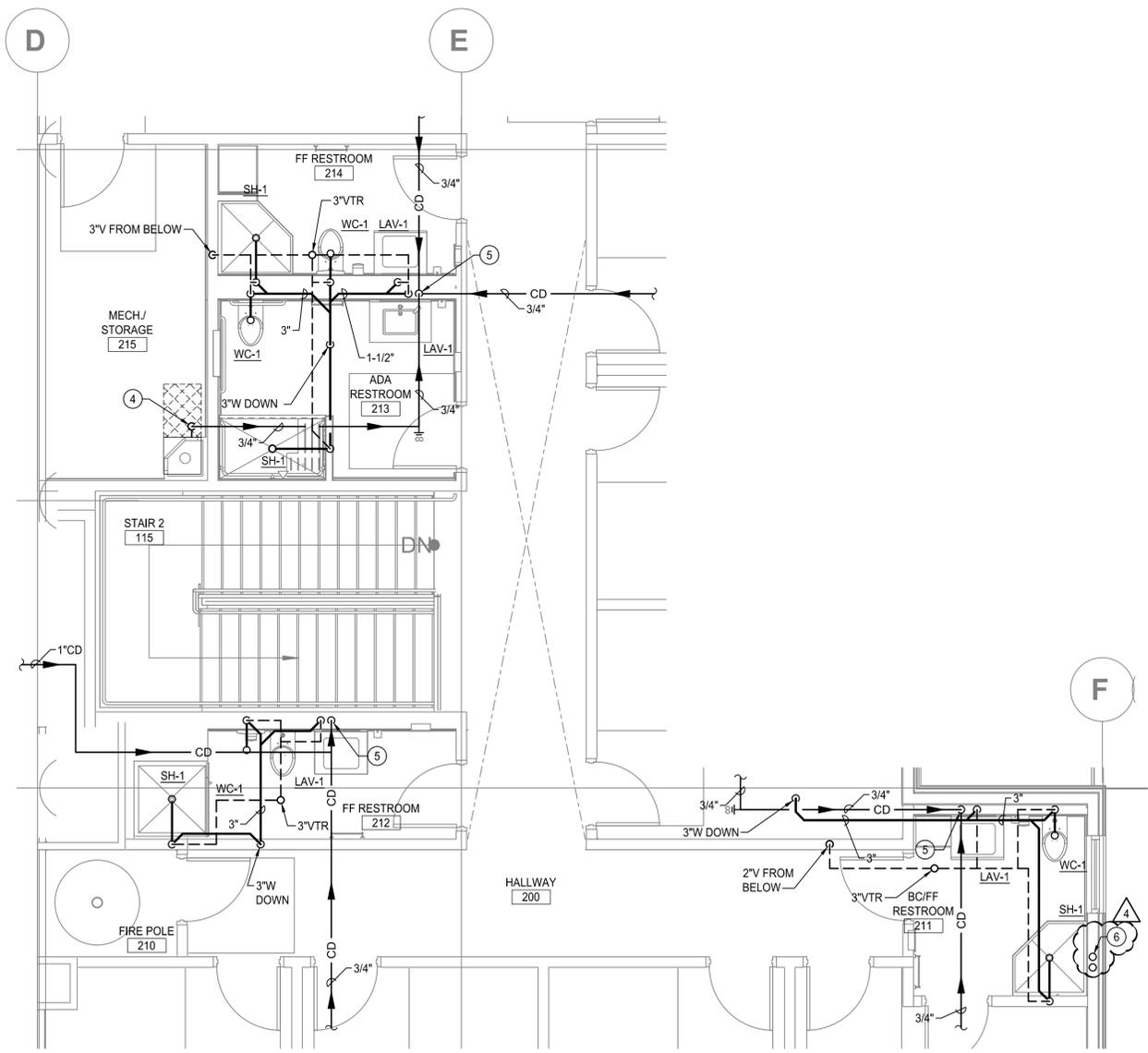
sheet no.:  
**P132**



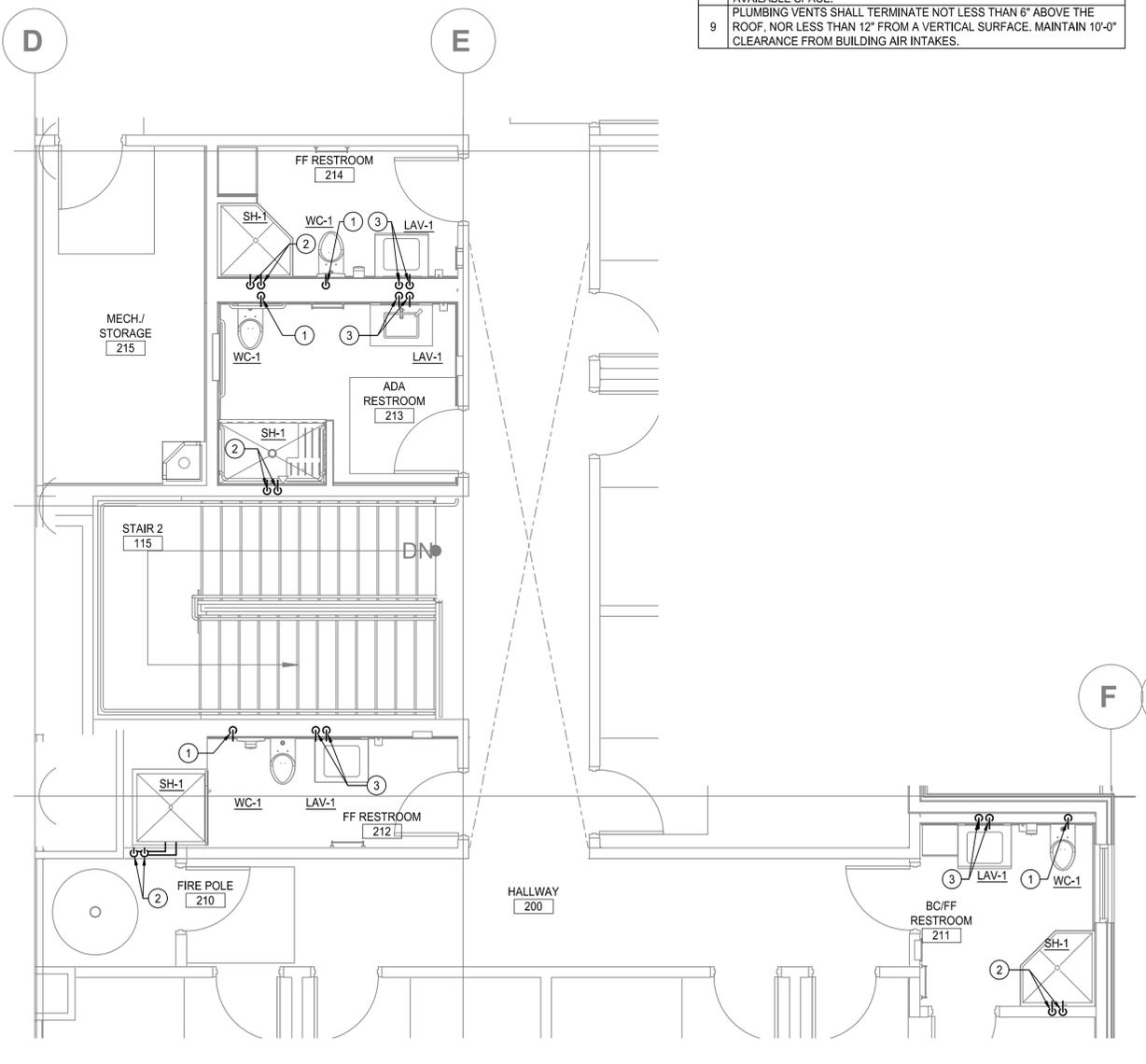
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KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	1-1/4" COLD WATER FROM BELOW
2	3/4" HOT WATER AND 3/4" COLD WATER FROM BELOW
3	1/2" HOT WATER AND 1/2" COLD WATER FROM BELOW
4	3/4" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT.
5	3/4" CONDENSATE DOWN IN WALL. TERMINATE TO FIXTURE TAILPIECE.
6	4" STORM DRAIN AND OVERFLOW FROM ABOVE AND DOWN.

PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	SLOPE SANITARY WASTE PIPING MIN 2% IN DIRECTION OF FLOW.
3	PROVIDE ANGLE STOPS FOR ALL PLUMBING FIXTURE BRANCH PIPING LINES.
4	SLOPE VENT PIPING UP TOWARDS VTR MIN 1%.
5	SLOPE CONDENSATE PIPING MIN 1% IN DIRECTION OF FLOW.
6	ALL ROOMS WITH FLOOR DRAINAGE MUST HAVE FLOORS SLOPED TOWARD DRAIN. SEE ARCHITECTURAL PLANS FOR REQUIRED SLOPE.
7	PROVIDE CLEANOUTS IN ALL LOCATIONS SHOWN. COORDINATE ALL WALL CLEANOUTS WITH PLUMBING FIXTURES, CASEWORK, AND ARCHITECTURAL ELEVATIONS.
8	REFER TO MECHANICAL SHEETS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
9	PLUMBING VENTS SHALL TERMINATE NOT LESS THAN 6" ABOVE THE ROOF, NOR LESS THAN 12" FROM A VERTICAL SURFACE. MAINTAIN 10'-0" CLEARANCE FROM BUILDING AIR INTAKES.



1 ENLARGED WASTE AND VENT



2 ENLARGED WATER AND GAS

PLUMBING ENLARGED SECOND FLOOR PLAN

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



architect:



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no.	description	date
	100% BRIDGING DOCUMENTS	04/15/2021
1	ADDENDA #1	06/10/2021
4	ADDENDA #4	07/01/2021

phase:  
**BRIDGING DOCUMENTS**



**CITY OF RANCHO CUCAMONGA**  
**FIRE STATION 178**

TOWN CENTER DR., RANCHO CUCAMONGA, CA 91730

drawing title:

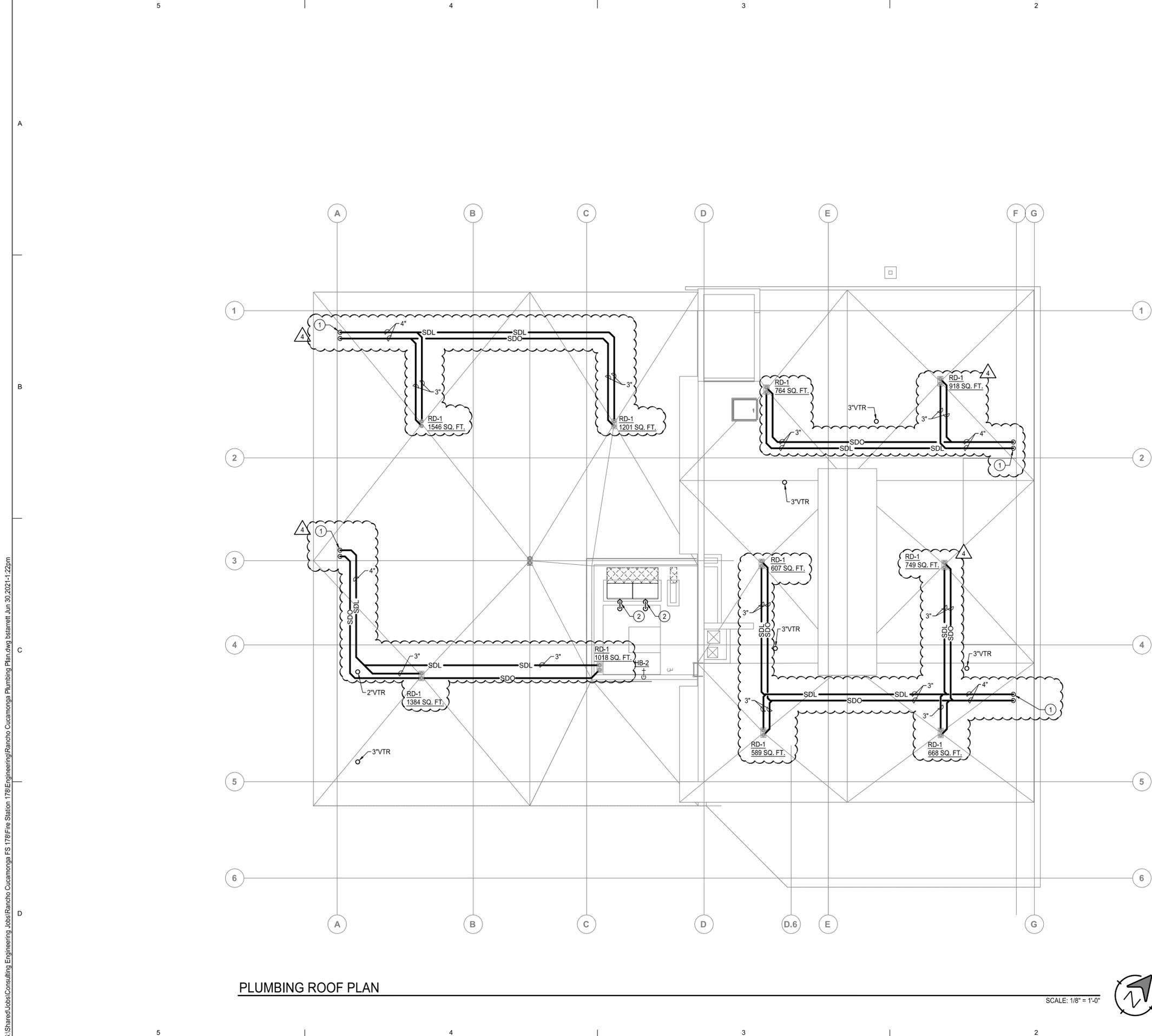
**PLUMBING ENLARGED SECOND FLOOR PLAN**

project no.:  
**2811.01**

sheet no.:  
**P135**

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6/30/2021 11:17:10 PM



PLUMBING ROOF PLAN

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



KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
①	4" STORM DRAIN AND OVERFLOW DOWN.
②	1" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT.

PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	SLOPE SANITARY WASTE PIPING MIN 2% IN DIRECTION OF FLOW.
3	SLOPE VENT PIPING UP TOWARDS VTR MIN 1%.
4	SLOPE CONDENSATE PIPING MIN 1% IN DIRECTION OF FLOW.
5	REFER TO MECHANICAL SHEETS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
6	PLUMBING VENTS SHALL TERMINATE NOT LESS THAN 6" ABOVE THE ROOF, NOR LESS THAN 12" FROM A VERTICAL SURFACE. MAINTAIN 10'-0" CLEARANCE FROM BUILDING AIR INTAKES.
7	ROOF DRAINS HAVE BEEN SIZED PER CPC TABLE 1103.1 USING A RAINFALL RATE OF 3"(IN/H) PER 2019 CPC TABLE D101.1.
8	HORIZONTAL RAIN WATER PIPING HAS BEEN SIZED PER 2019 CPC TABLE 1103.2 USING A RAINFALL RATE OF 3"(IN/H) & 1/4"/FT SLOPE



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no.	description	date
	100% BRIDGING DOCUMENTS	04/15/2021
1	ADDENDA #1	06/10/2021
4	ADDENDA #4	07/01/2021

phase:  
**BRIDGING DOCUMENTS**



**CITY OF RANCHO CUCAMONGA**  
**FIRE STATION 178**

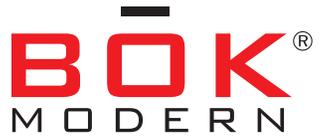
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drawing title:  
**PLUMBING ROOF PLAN**

project no.:  
**2811.01**

sheet no.:  
**P150**

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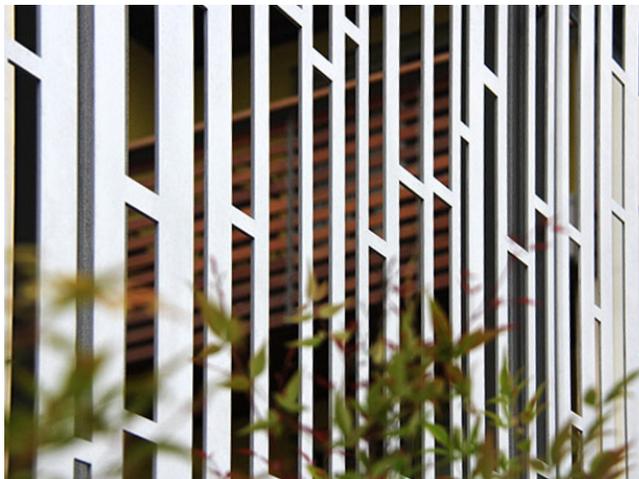
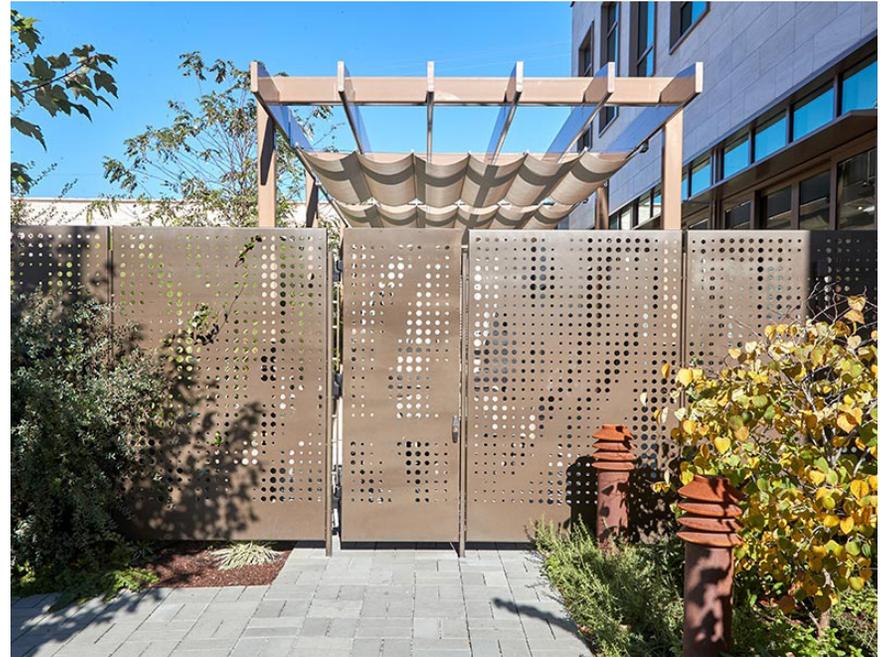


## BLADE FENCE POST FENCE

### MODULAR FENCE

Our Blade and Post Fence uses a thin blade for lateral support rather than a heavy post. Providing a nearly seamless look, the result is a very contemporary appearance constructed in solid metal or with a virtually infinite array of patterns.

NOTE: Available in 4', 6' and 8' tall



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**BLADE FENCE  
POST FENCE**

MODULAR FENCE

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TYPICAL DETAILS



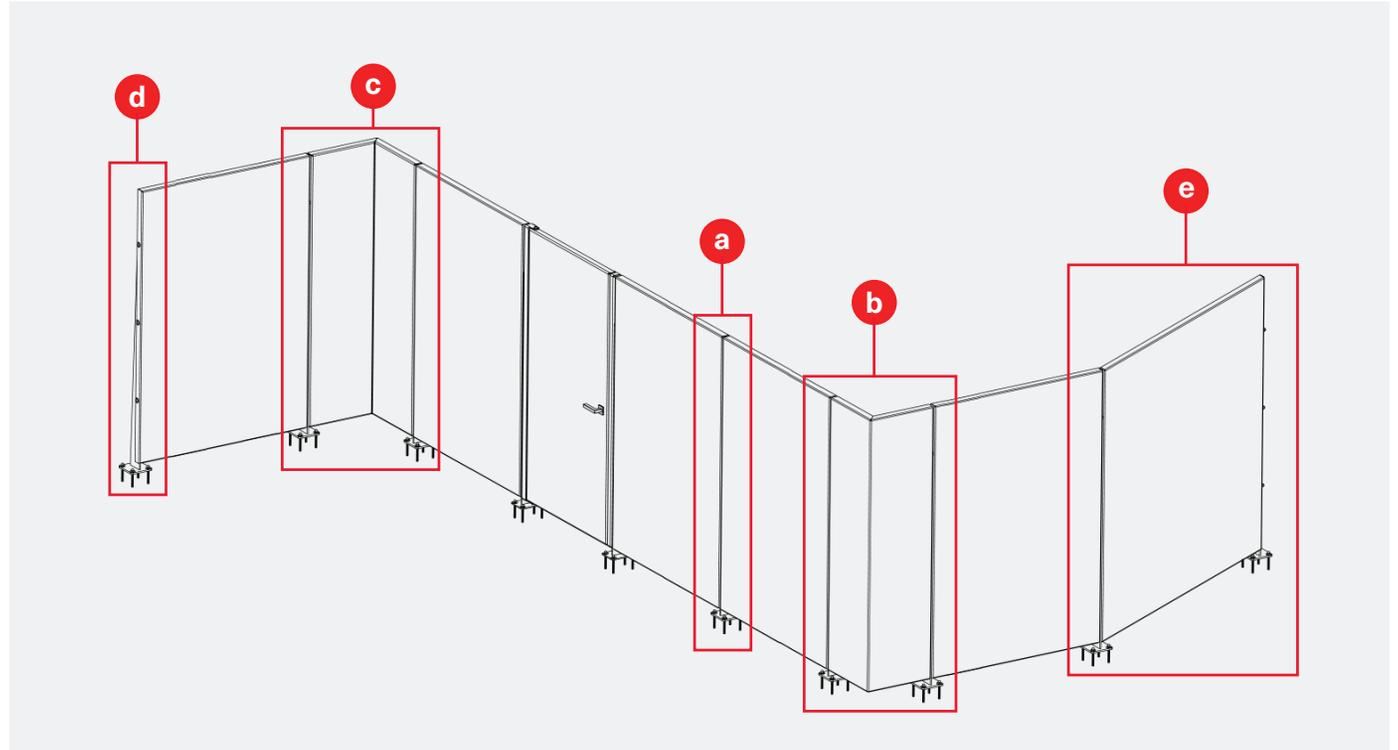
**DETAIL KEY**

- Ⓐ Typ Connection
- Ⓑ Outside Corner
- Ⓒ Inside Corner

**BLADE FENCE  
POST FENCE**

MODULAR FENCE

TYPICAL DETAILS



**DETAIL KEY**

- Ⓐ Typ Connection
- Ⓑ Outside Corner
- Ⓒ Inside Corner
- Ⓓ End Connection
- Ⓔ Slope

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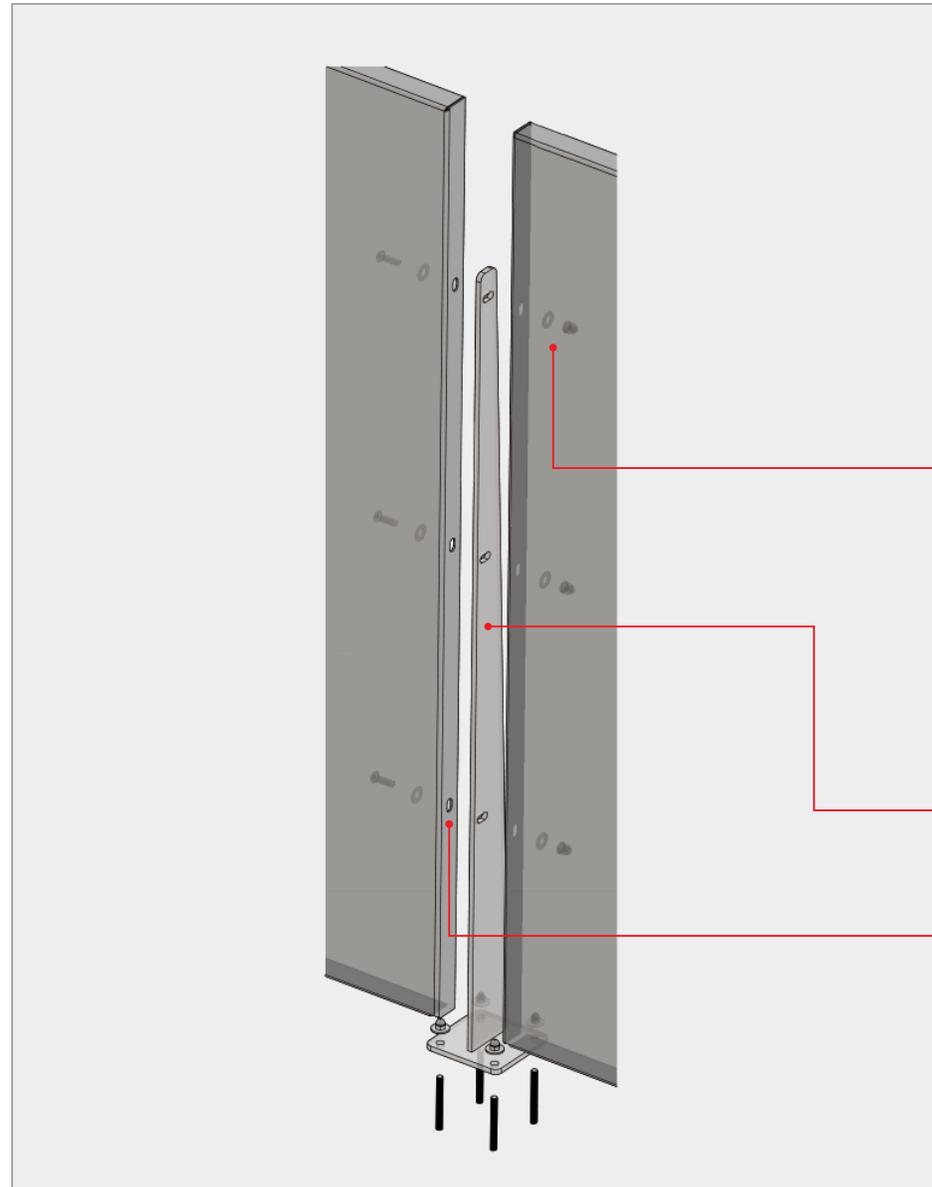
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POST FENCE**

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TYPICAL DETAILS



**a** TYP. CONNECTION

Fence panel by  
BÖK Modern

Blade bracket by  
BÖK Modern

1/2"-13 Socket-head  
Button cap hardware  
Assembly by BÖK Modern

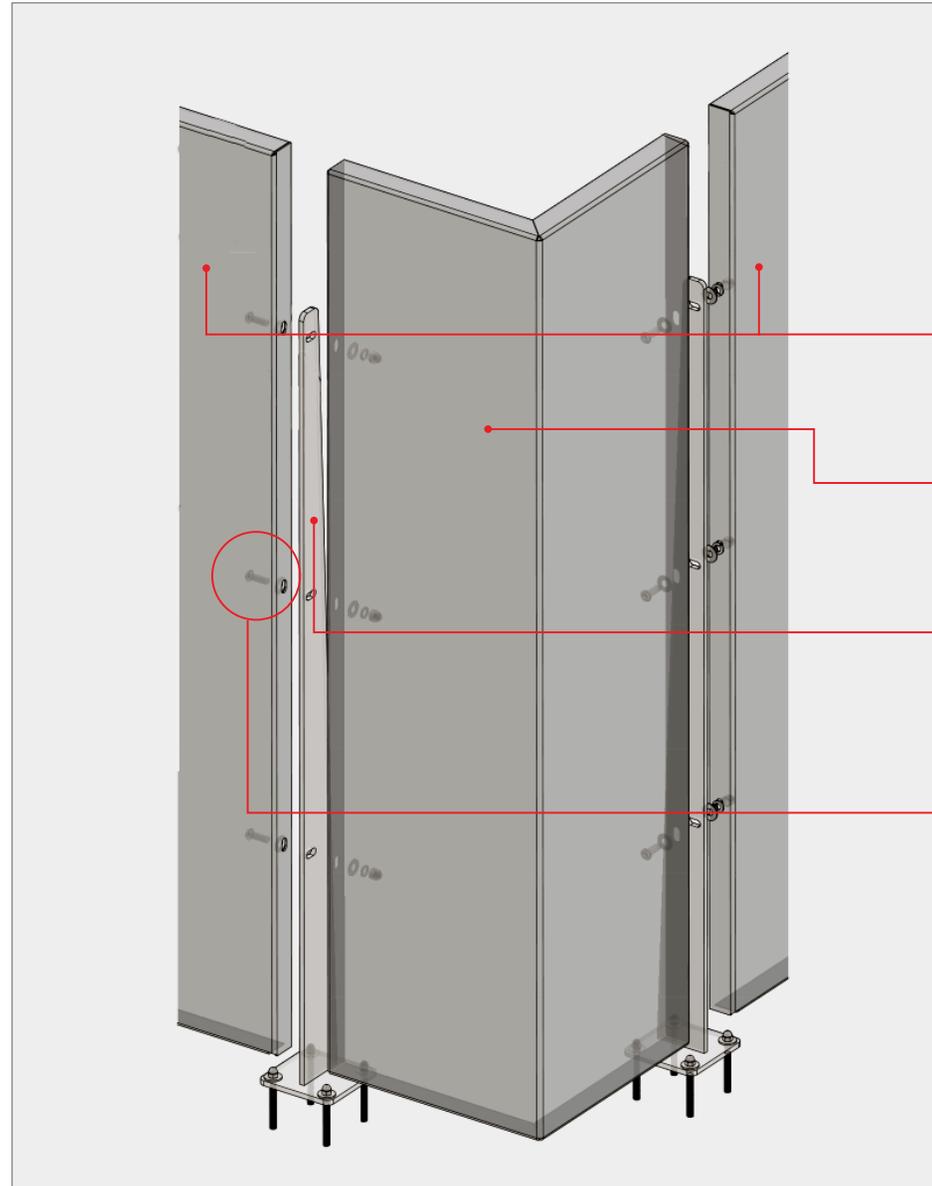
**BLADE FENCE  
POST FENCE**

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TYPICAL DETAILS



**b** OUTSIDE CORNER

Fence panel by  
BÖK Modern

Corner panel by  
BÖK Modern

Blade bracket by  
BÖK Modern

1/2"-13 Socket-head  
Button cap hardware  
Assembly by BÖK Modern

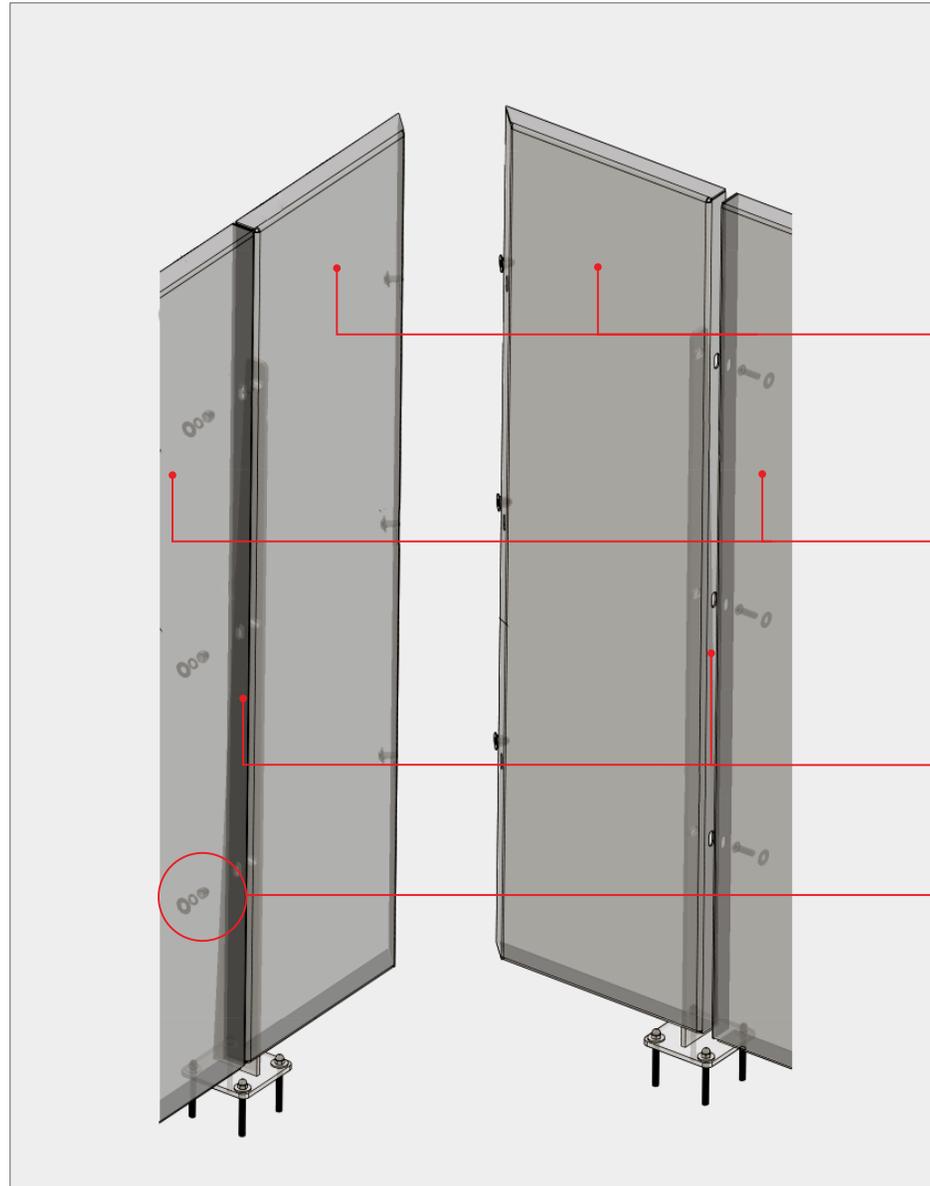
**BLADE FENCE  
POST FENCE**

MODULAR FENCE

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TYPICAL DETAILS



**C** INSIDE CORNER MITRE  
PANELS UNDER 18" WIDE

→ Corner panel by  
BÖK Modern

→ Fence panel by  
BÖK Modern

→ Blade bracket by  
BÖK Modern

→ 1/2"-13 Socket-head  
Button cap hardware  
Assembly by BÖK Modern

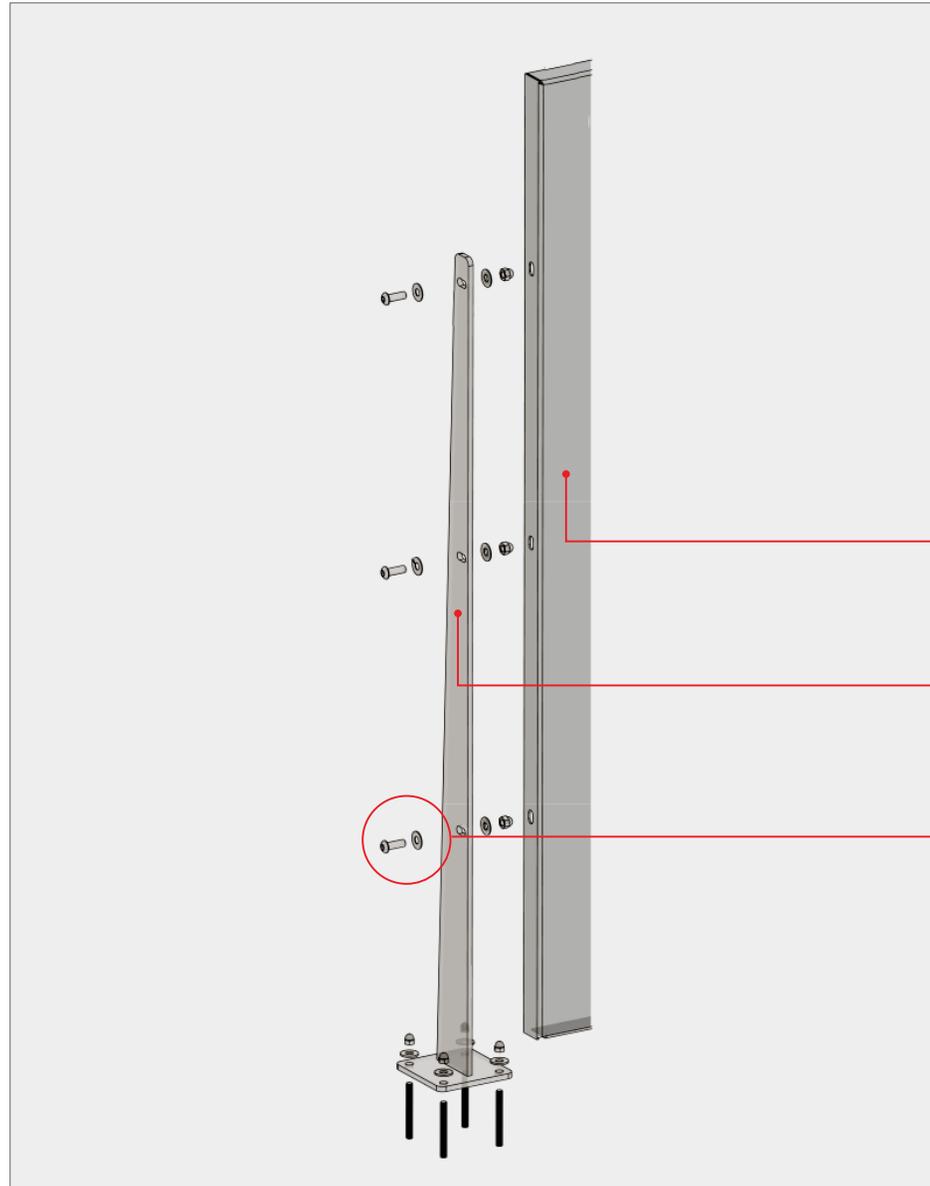
**BLADE FENCE  
POST FENCE**

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TYPICAL DETAILS



**C** END CONNECTION

Fence panel by  
BÖK Modern

Blade bracket by  
BÖK Modern

1/2"-13 Socket-head  
Button cap hardware  
Assembly by BÖK Modern

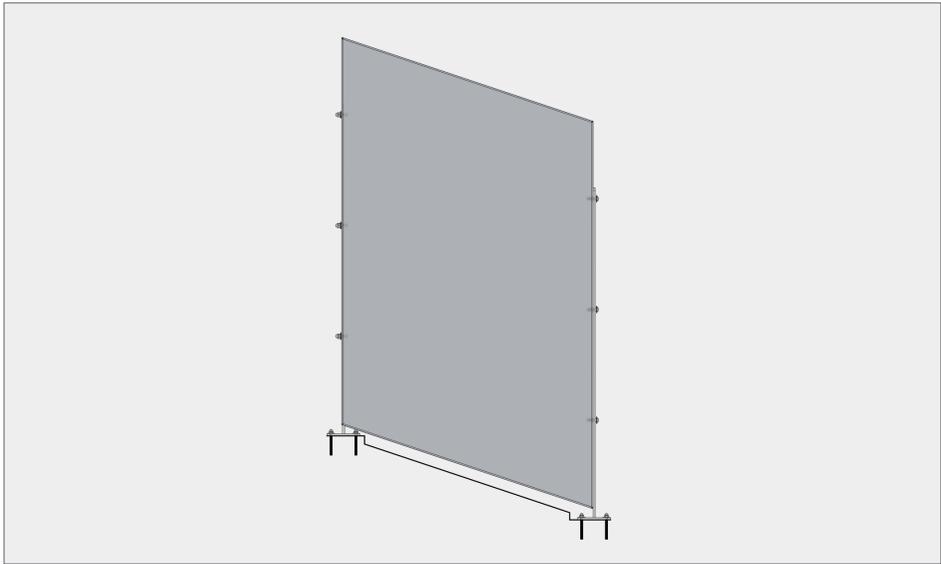
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POST FENCE**

MODULAR FENCE

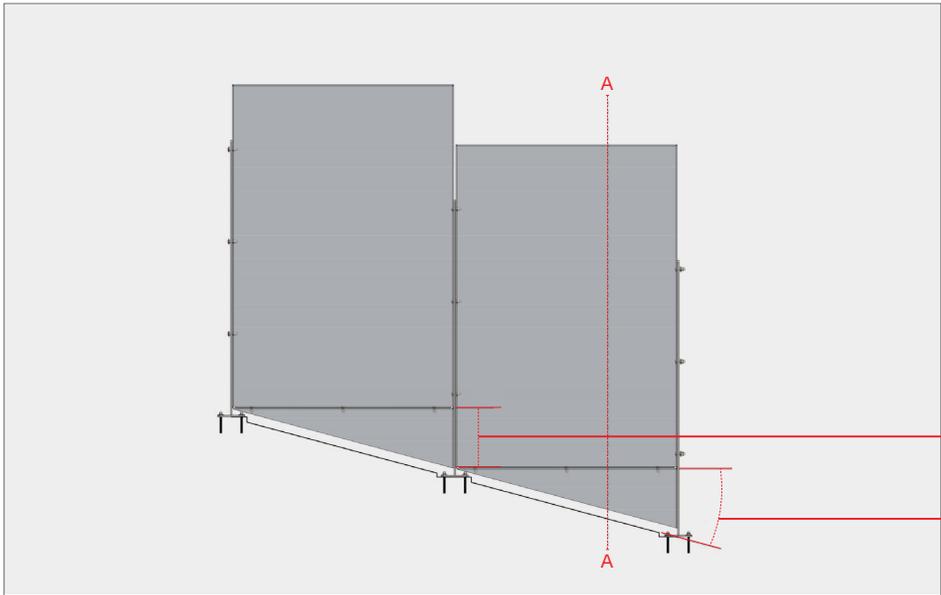
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**TYPICAL DETAILS: SLOPED FENCE**



**Custom Sloped Panels**



**Standard Panels with  
Slope Infill Pieces**

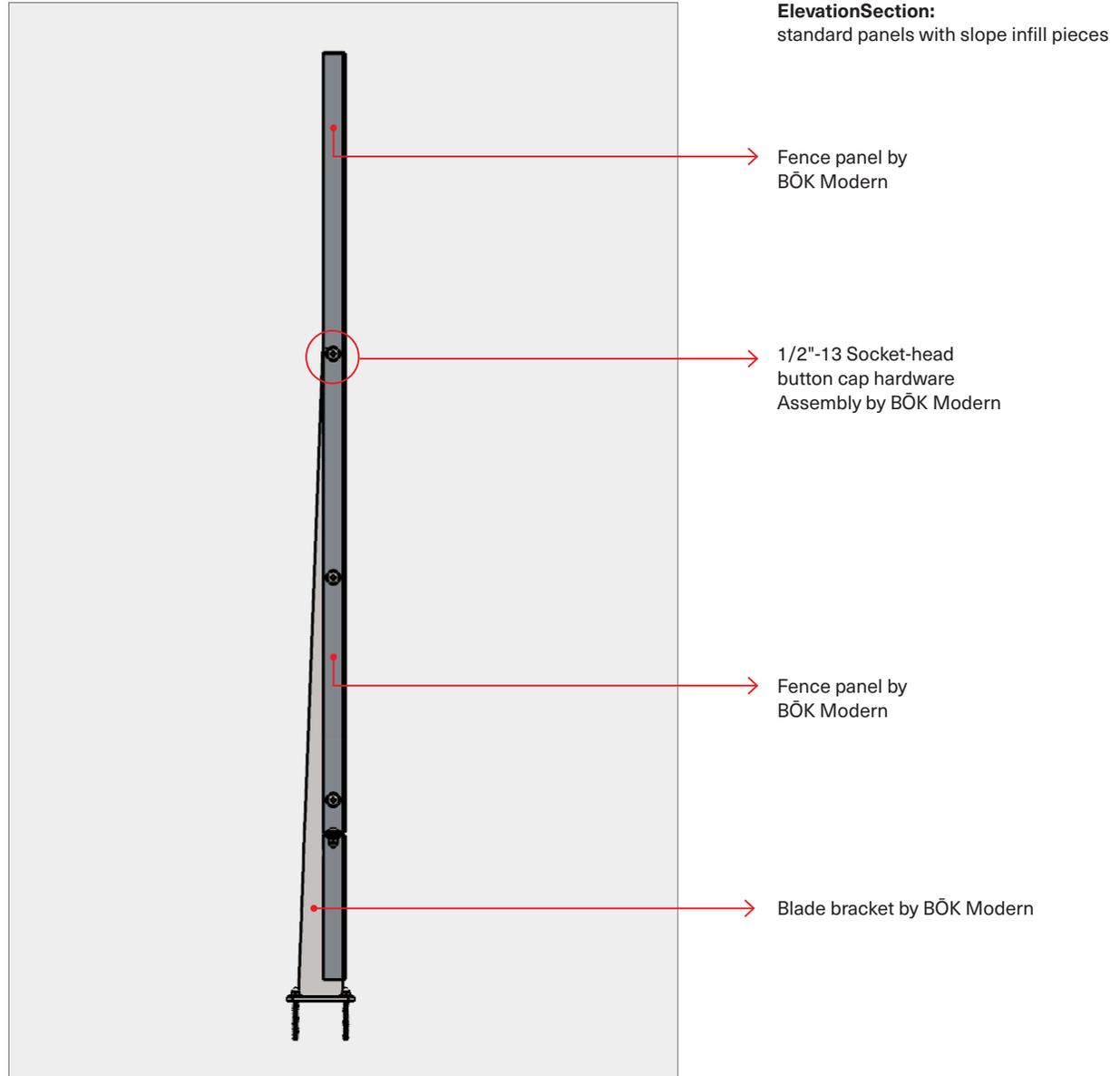
Optimized panel sizing (slope):  
To even further optimize the system,  
typical panels can be used even on  
slopes. Ask about our slope filler panels  
and how they can be field modified to  
accommodate any slope.

1'-1" B.O. Panel to B.O. Panel

15.00° Slope angle

**BLADE FENCE  
POST FENCE**

MODULAR FENCE



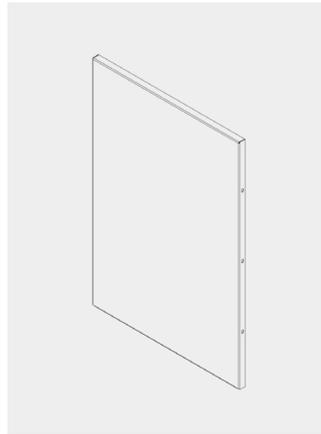
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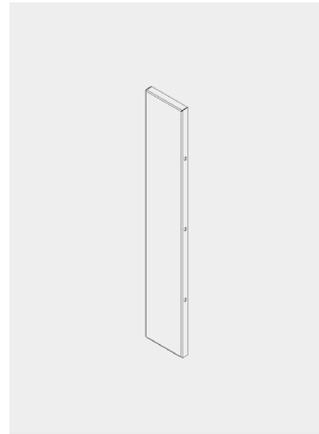
**BLADE FENCE  
POST FENCE**

MODULAR FENCE

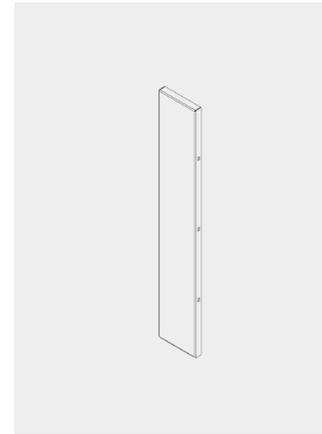
**TYPICAL PANEL SIZES**



Width : 45"  
Fence Height : 4', 6' and 8'



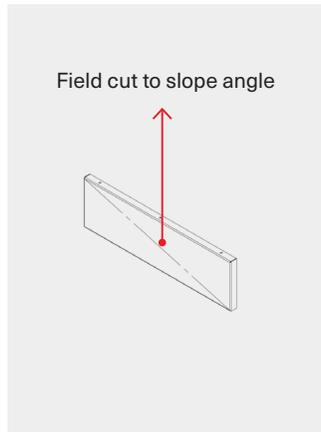
Width : 24"  
Fence Height : 4', 6' and 8'



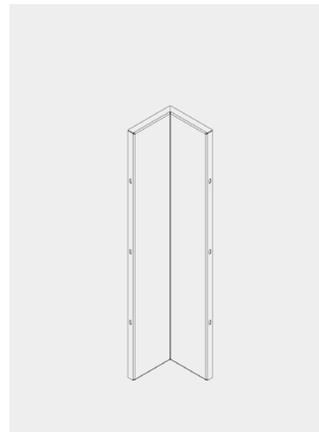
Width : 12"  
Fence Height : 4', 6' and 8'



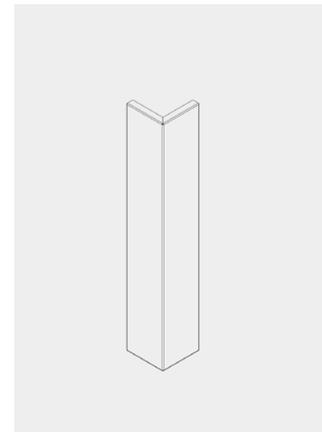
Blade



Sloped Skirt - Precut



Inside Corner ASM



Outside Corner

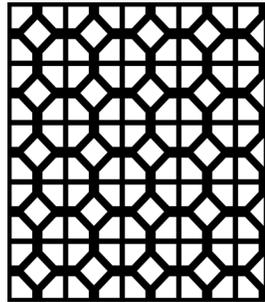
**NOTE:**

Optimized panel sizing: In order to optimize the bok system in the most financially efficient way, utilize these panel sizes.

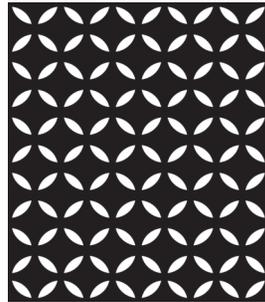
PATTERN OPTIONS

**BLADE FENCE  
POST FENCE**

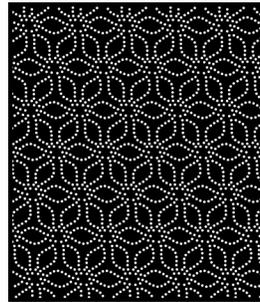
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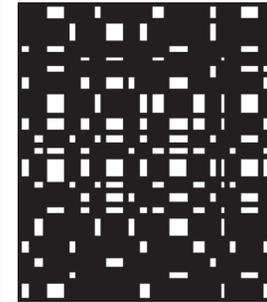
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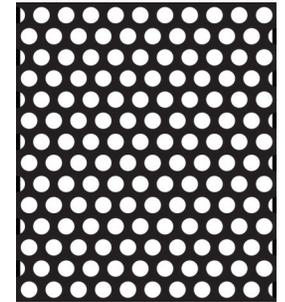
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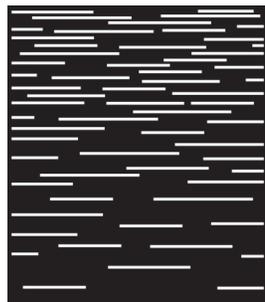
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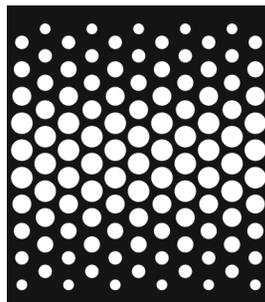
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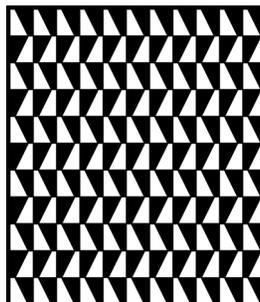
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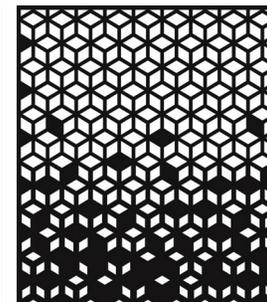
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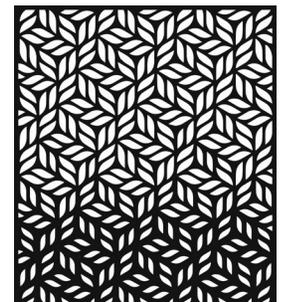
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A 39



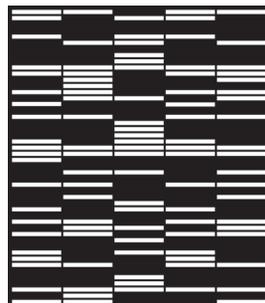
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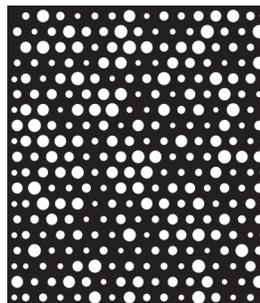
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B 09



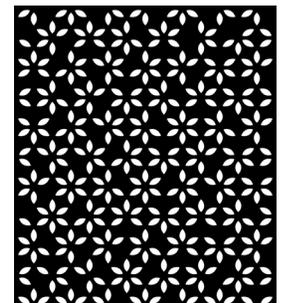
B 21



B 47



C 27



C 37

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