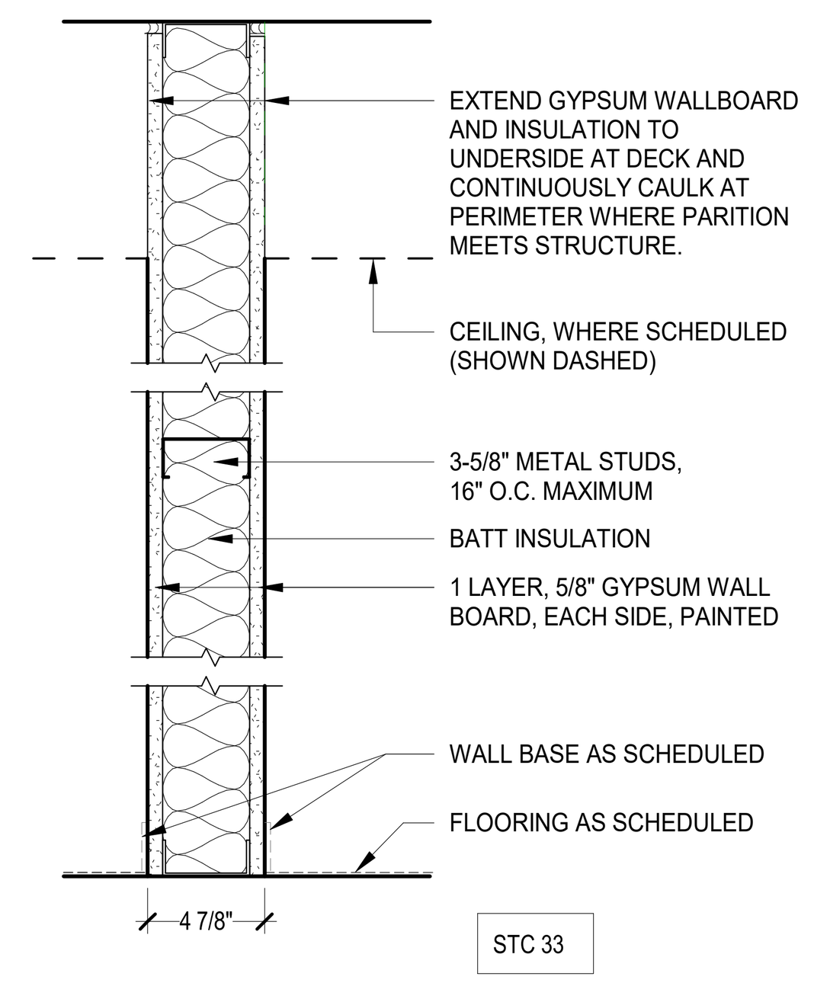
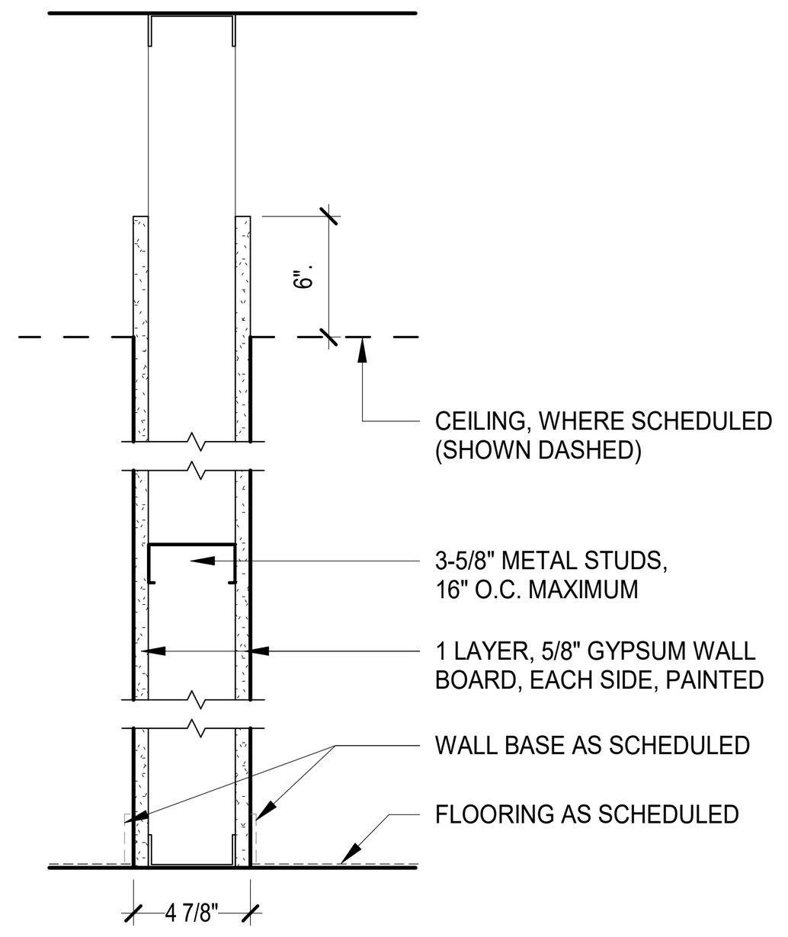
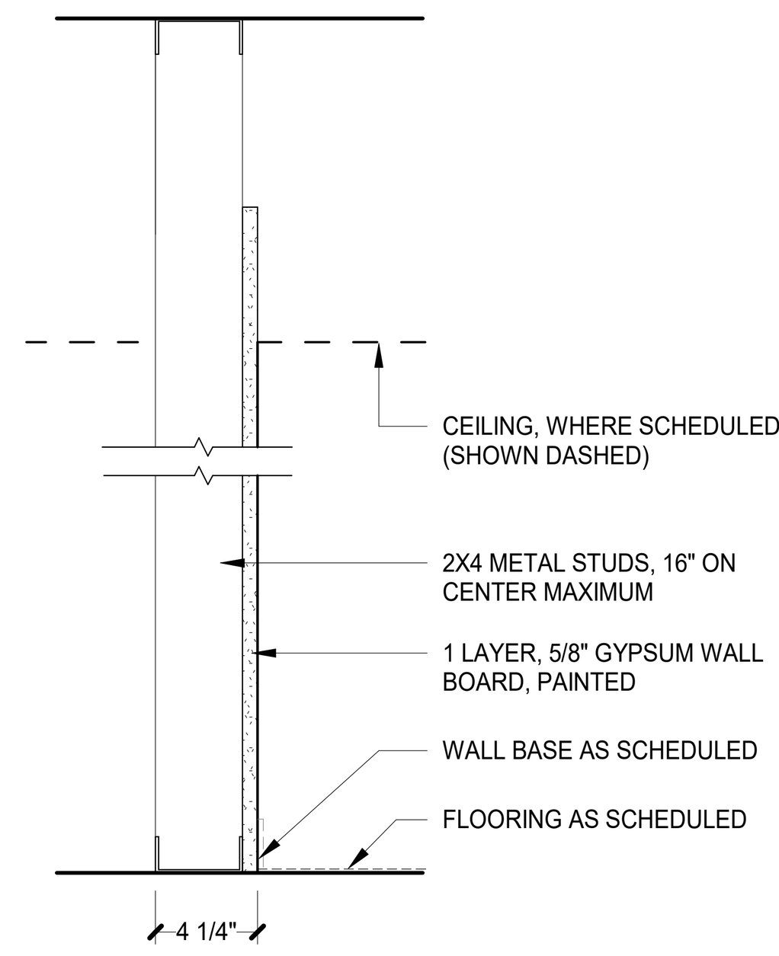


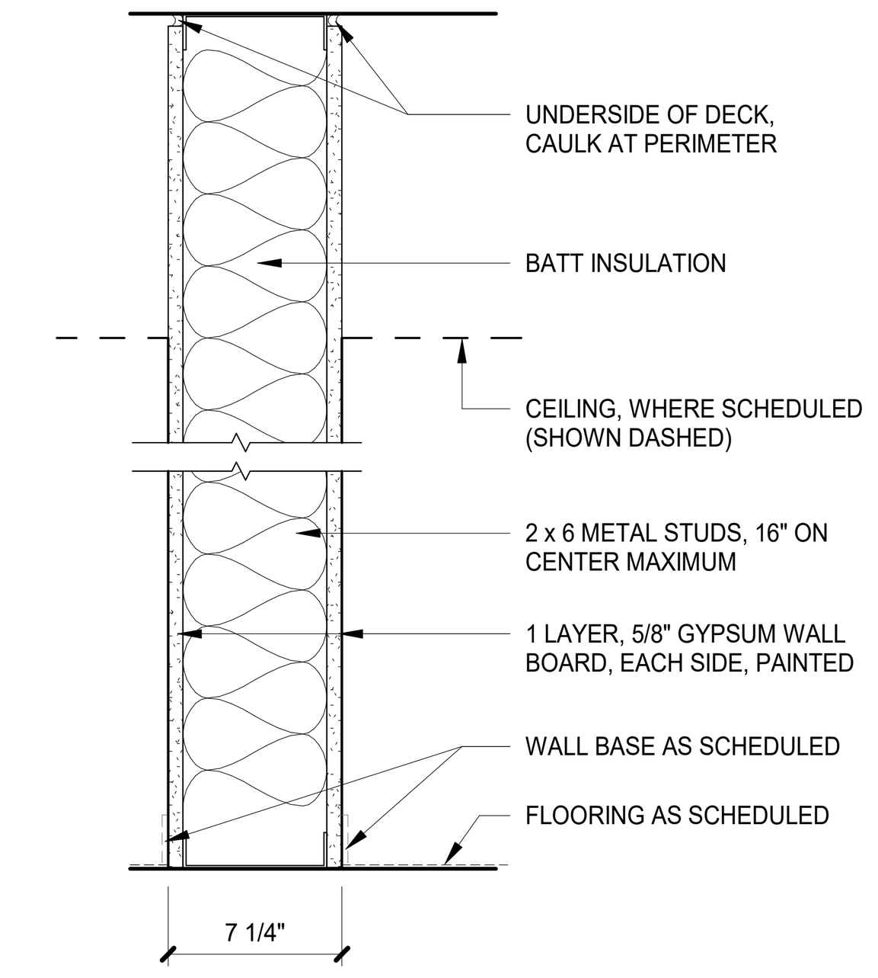
S40-1 Non-Rated Acoustic Partition



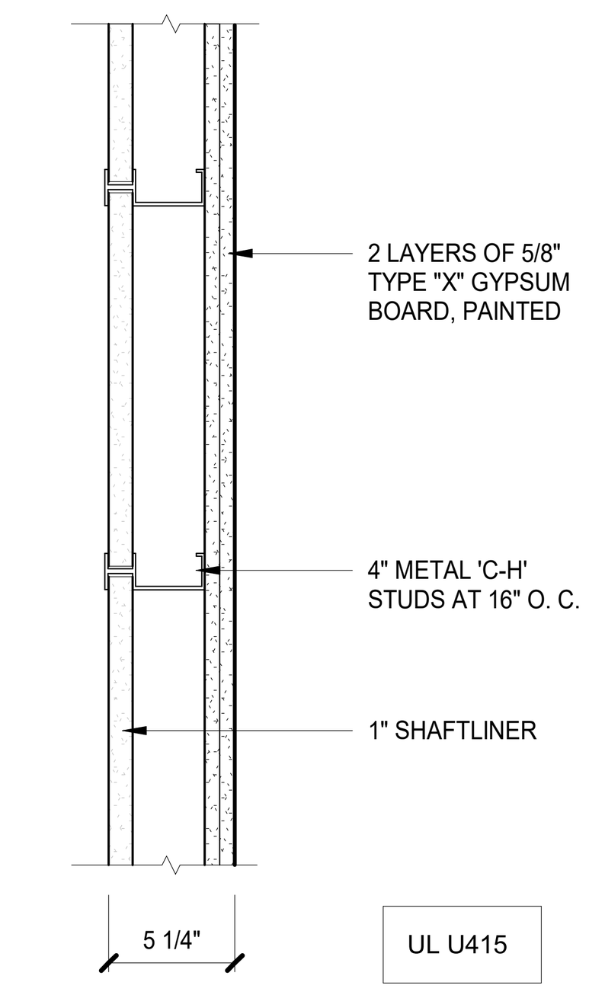
S40-2 Non-Rated Partition



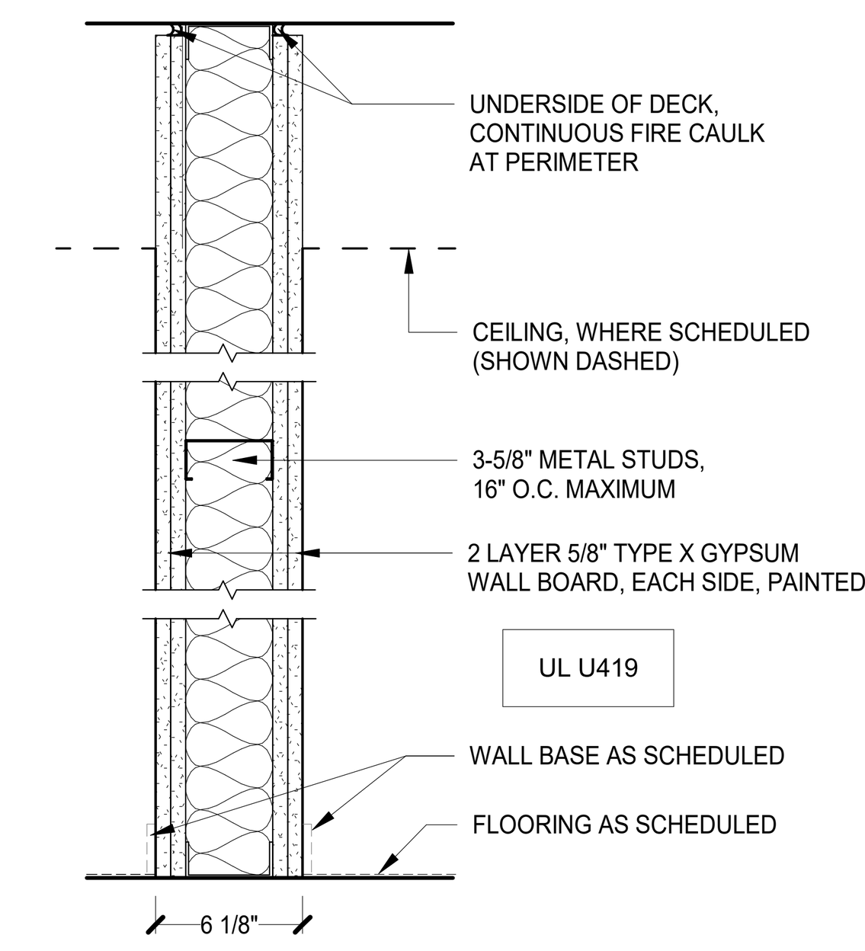
S40-3 Non-Rated Furring Partition



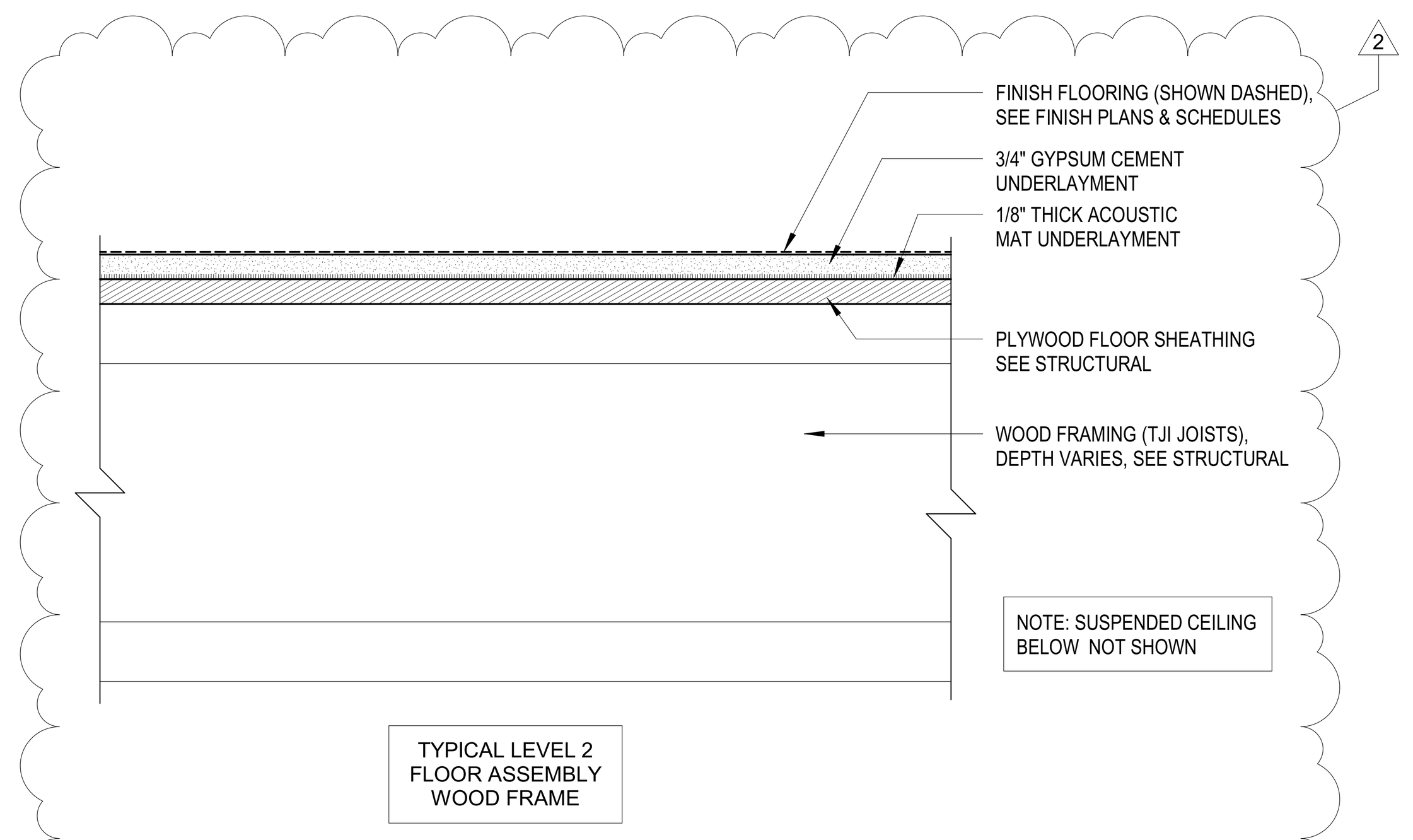
S60-1 Non-Rated Partition



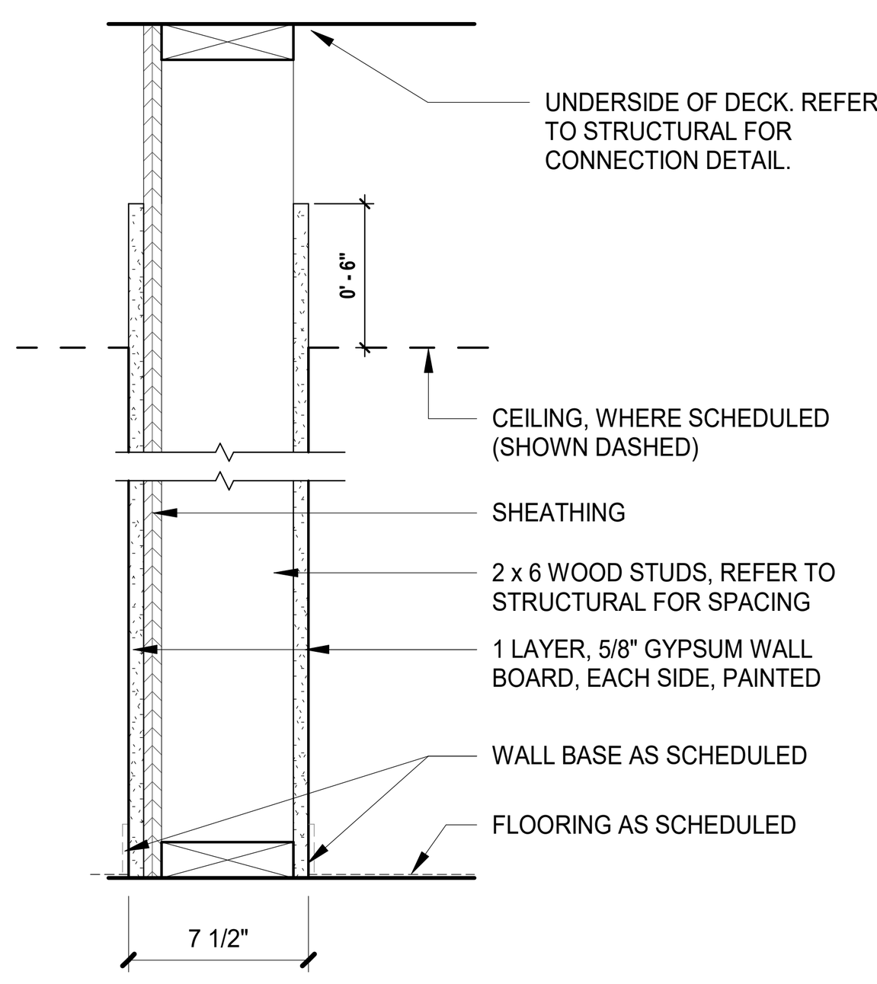
S42-1 2 Hour Rated Shaft-Wall



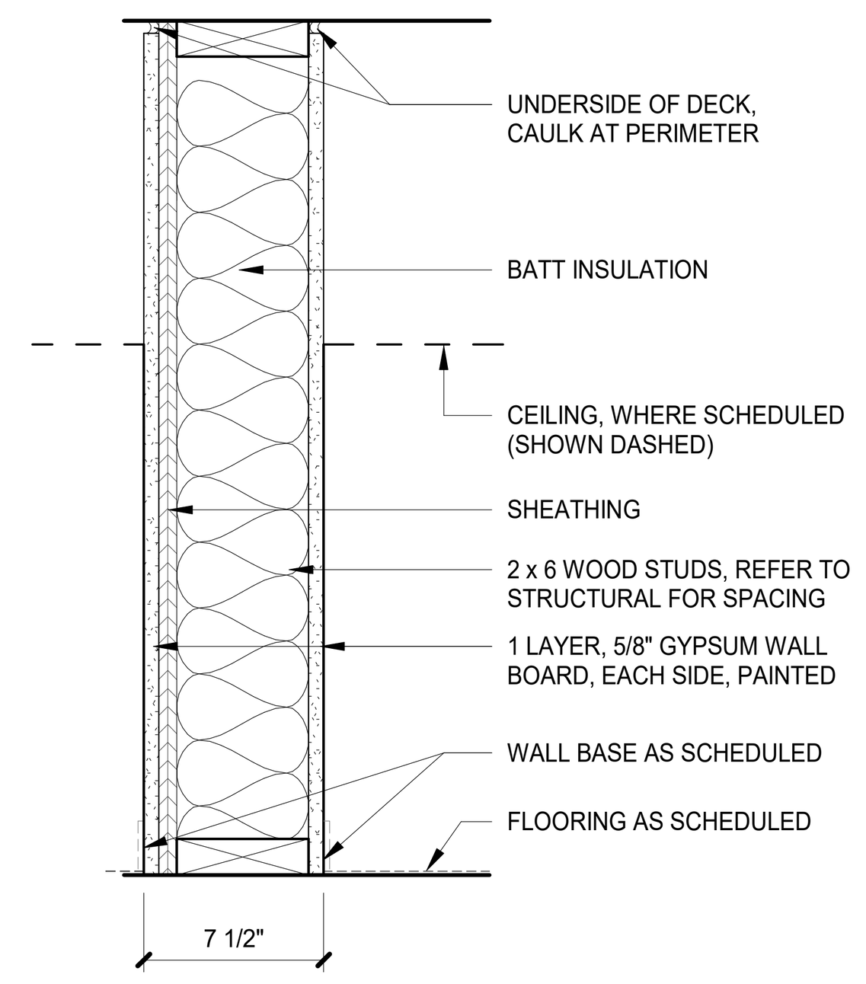
S42-2 2 Hour Rated Partition



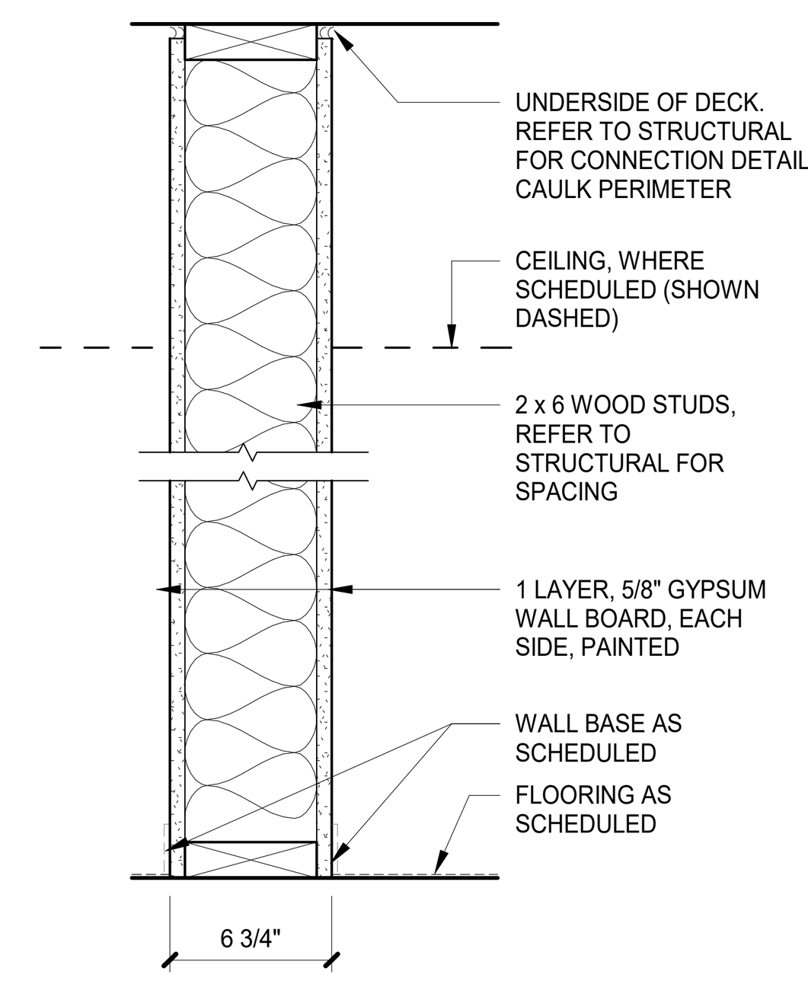
11 Floor Assembly - Level 2 - Wood Frame
3" = 1'-0"



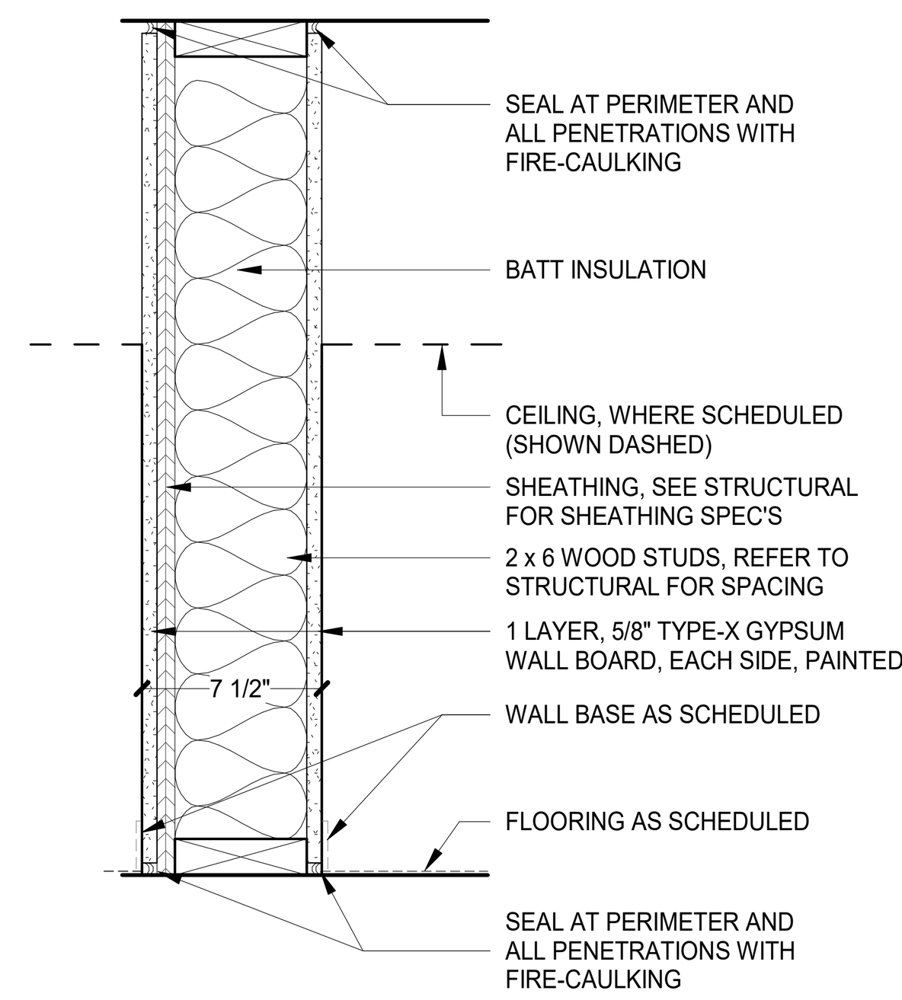
W60-1 Non-Rated Shear Wall



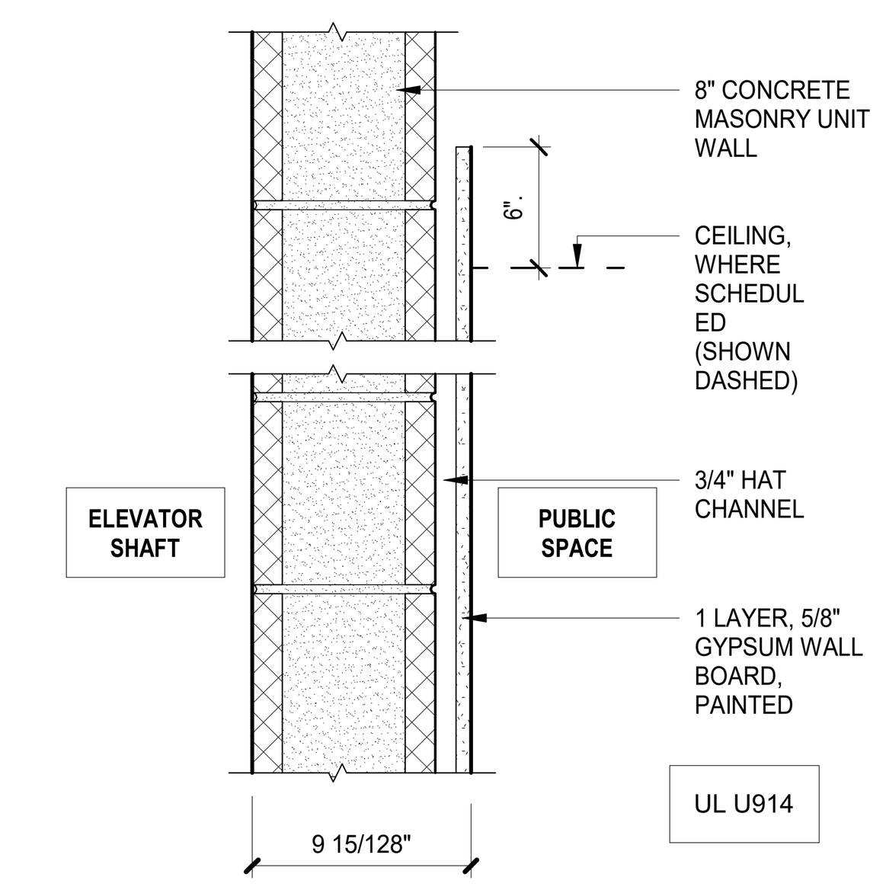
W60-2 Non-Rated Acoustic Shear Wall



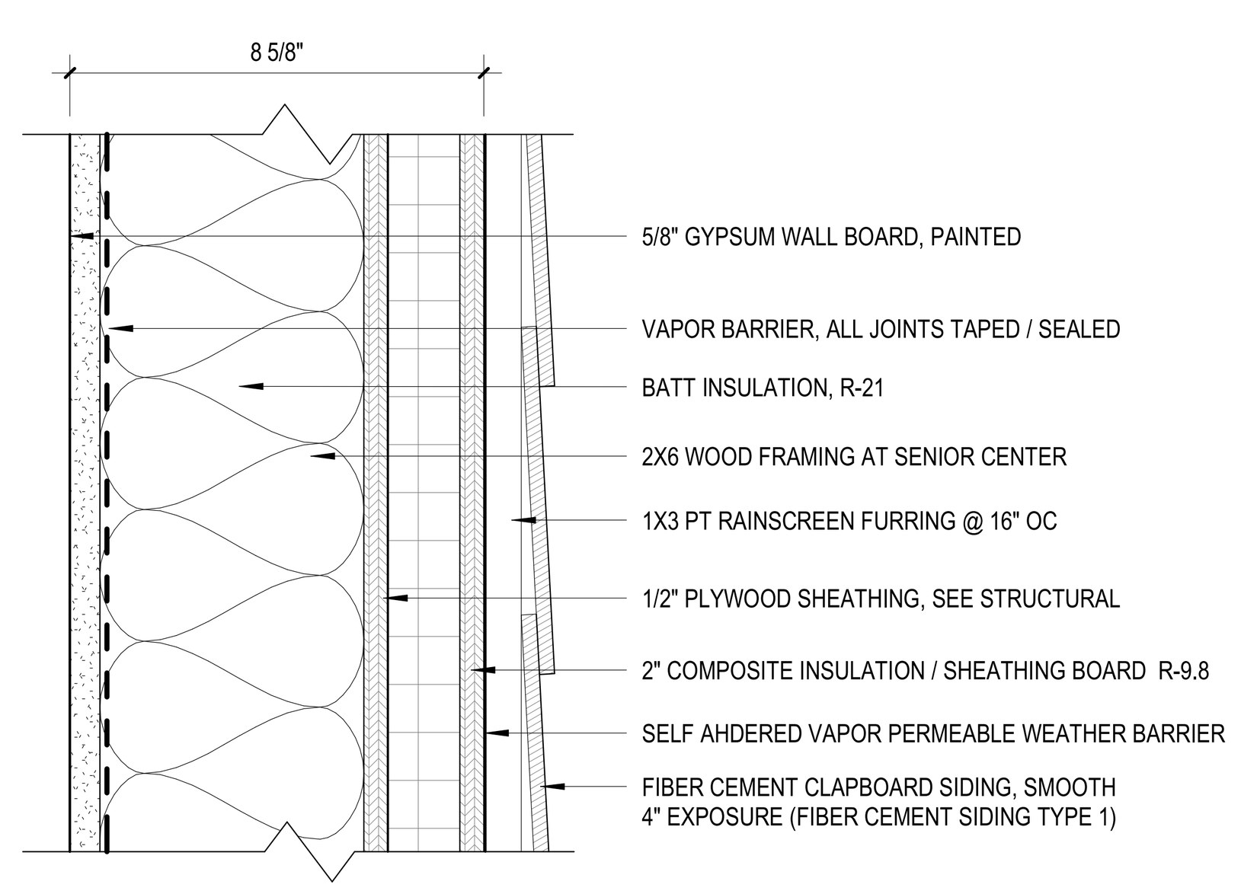
W60-4 Non-Rated Load Bearing Wall



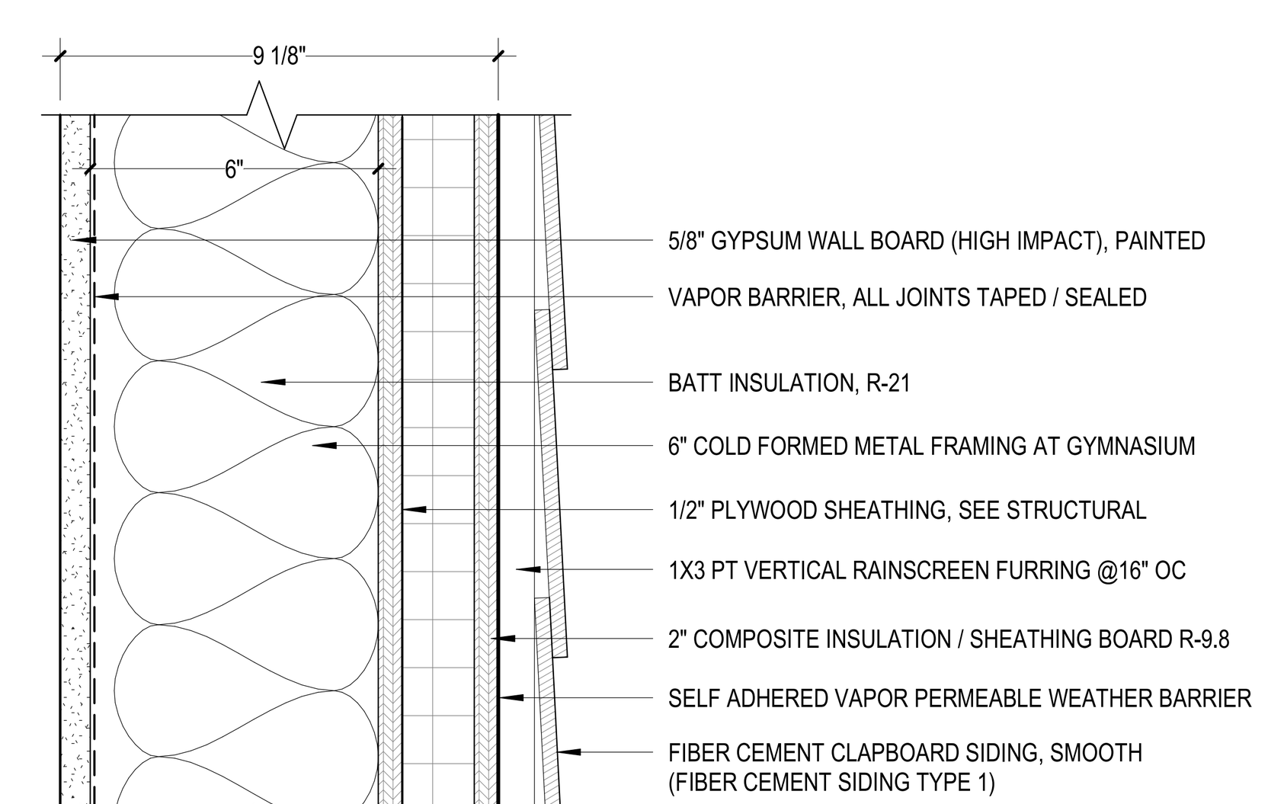
W61-1 1-HR Rated Acoustic Shear Wall



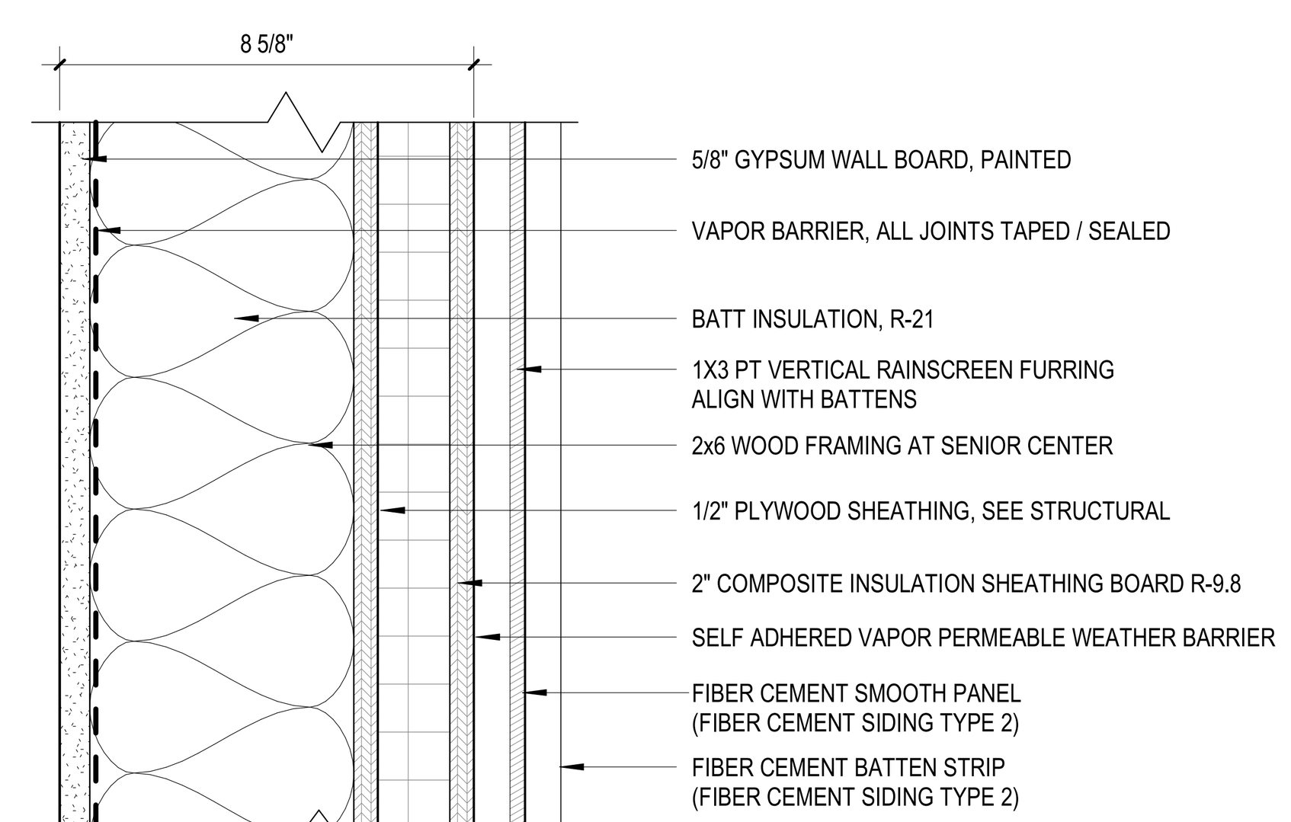
M81-1 1 Hour Rated Elevator Shaft Partition
1 HOUR RATED UL 914 CMU SHAFT



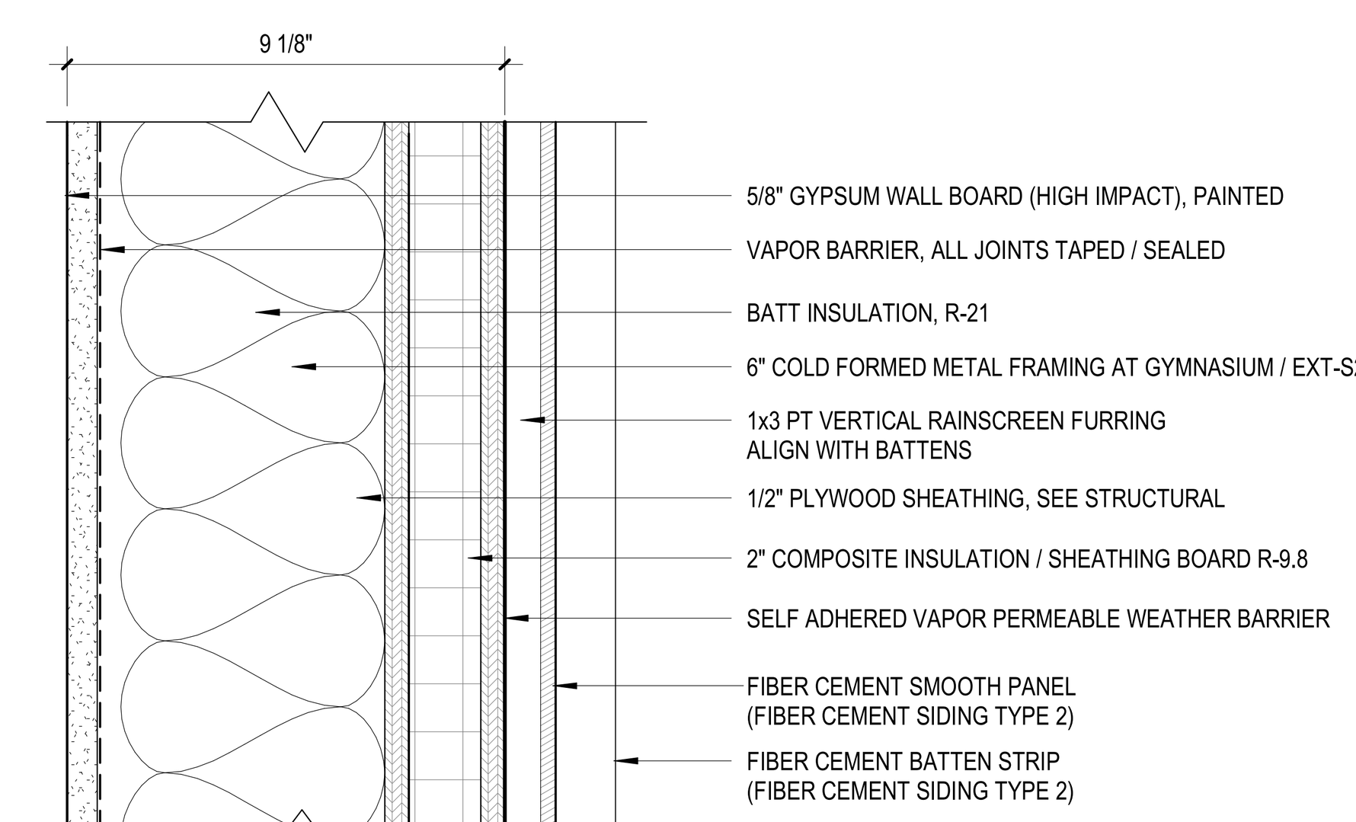
1 Exterior Wall Assembly - EXT-W1 Wood Frame / Clapboard
3" = 1'-0"



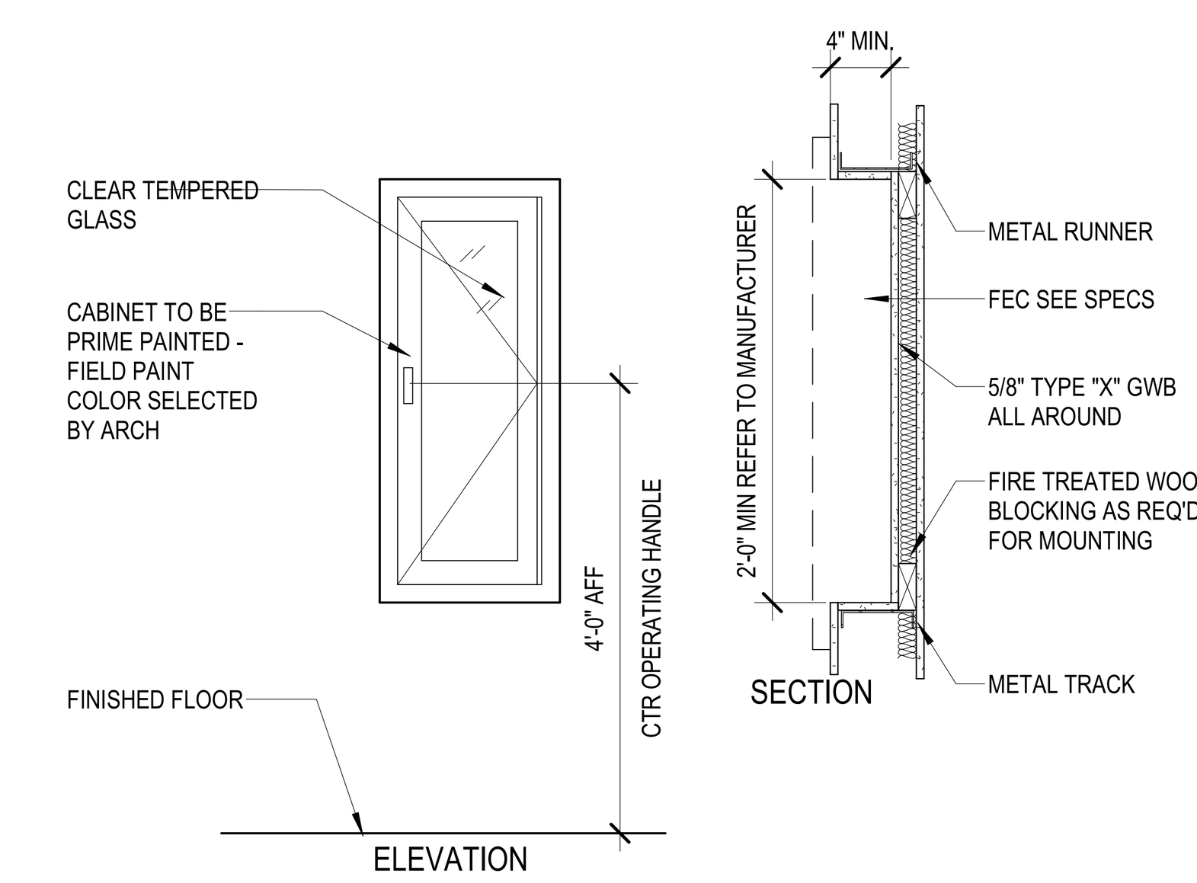
2 Exterior Wall Assembly - EXT-S1 Steel Frame / Clapboard
3" = 1'-0"



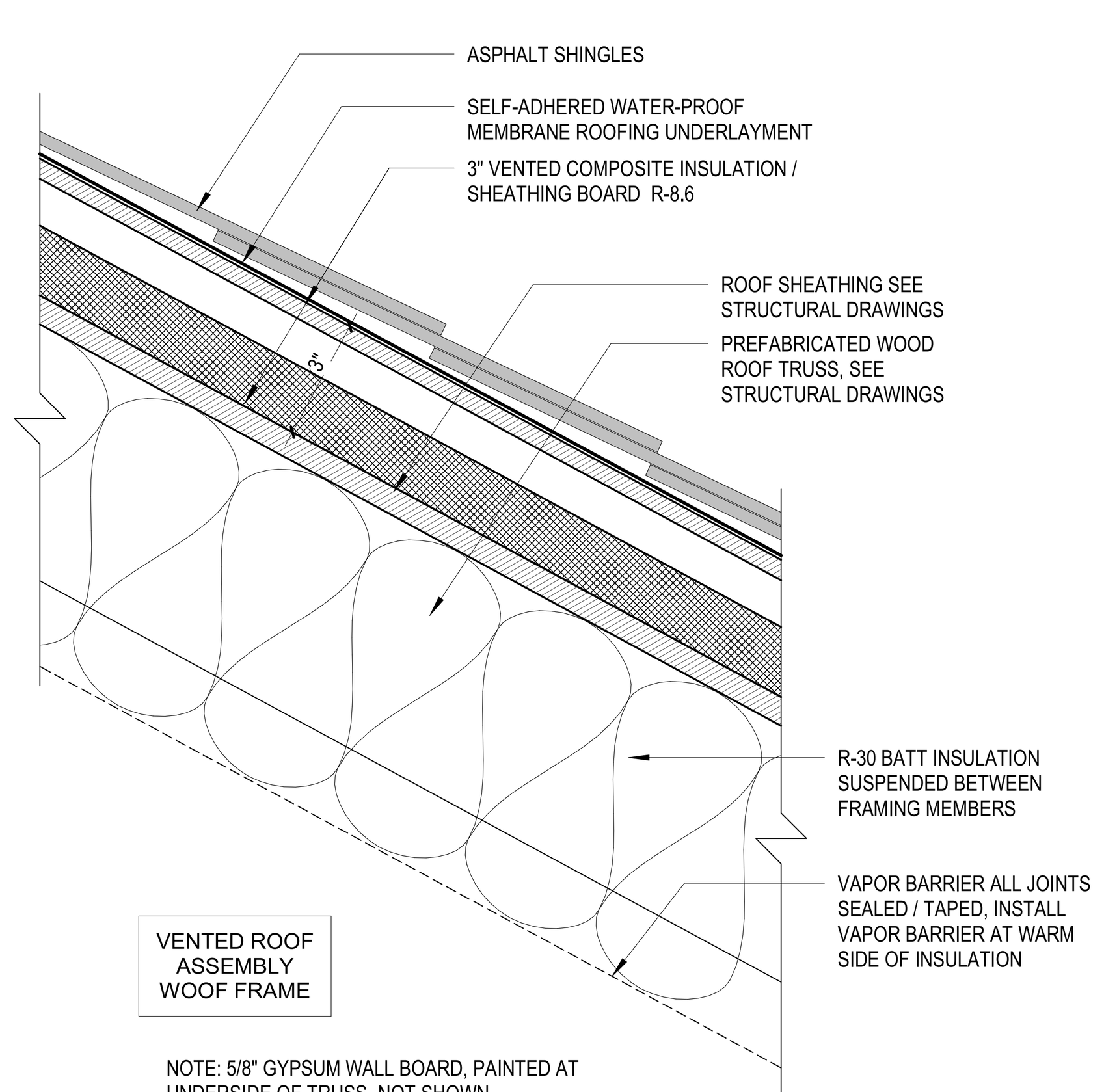
3 Exterior Wall Assembly - EXT-W2 Wood Frame / Fiber Cement Board and Batten
3" = 1'-0"



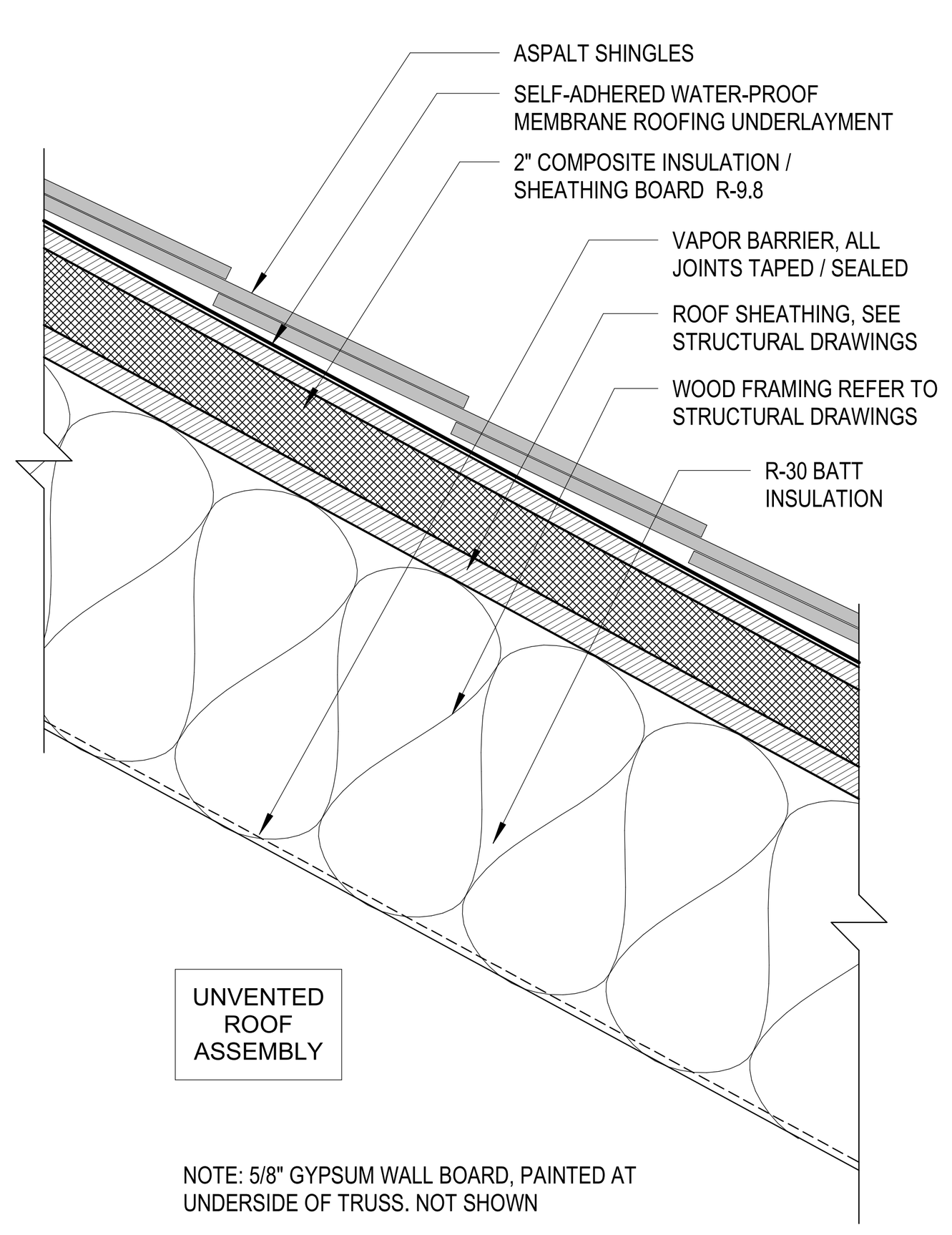
4 Exterior Wall Assembly - EXT-S2 Steel Frame / Fiber Cement Board and Batten
3" = 1'-0"



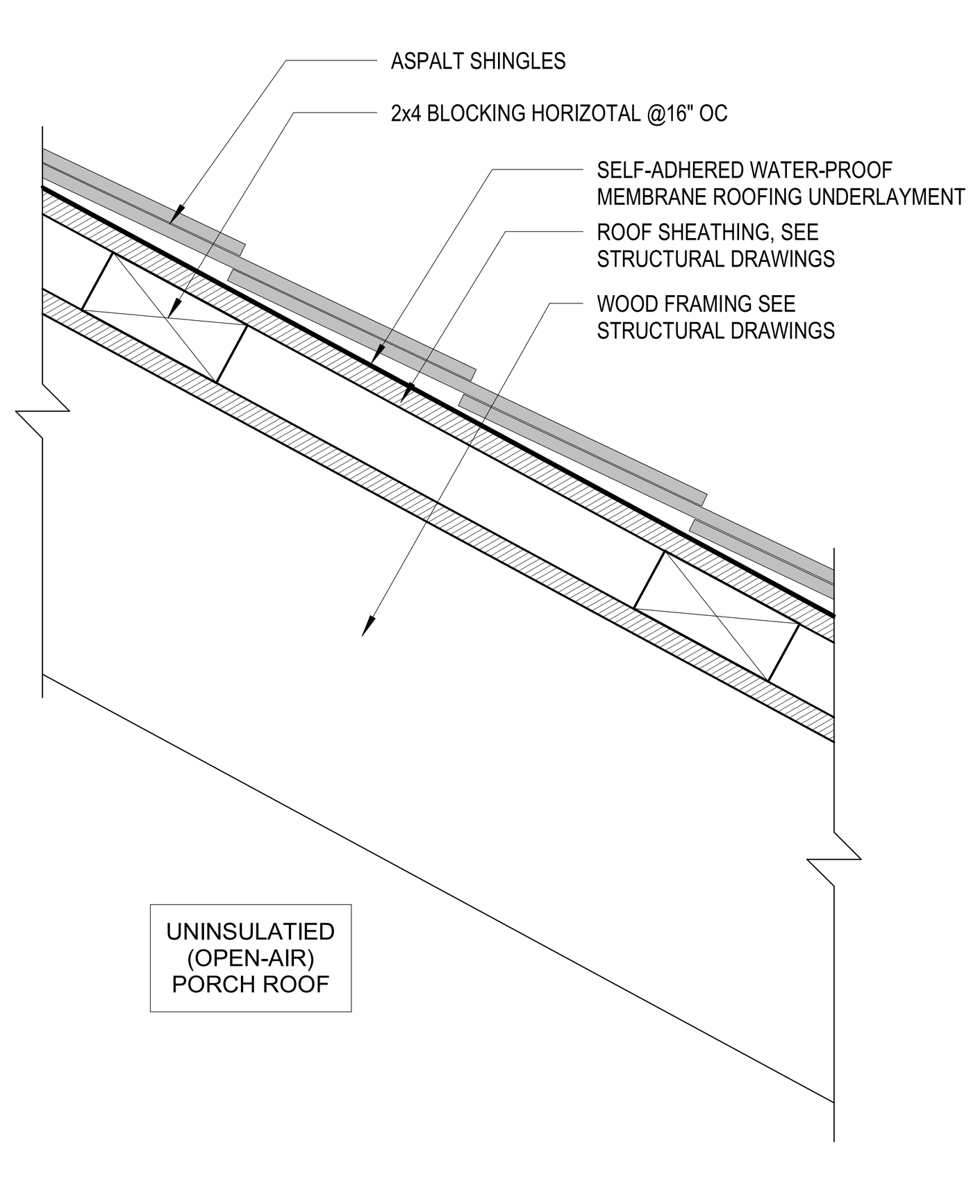
5 FIRE EXTINGUISHER CABINET
3/4" = 1'-0"



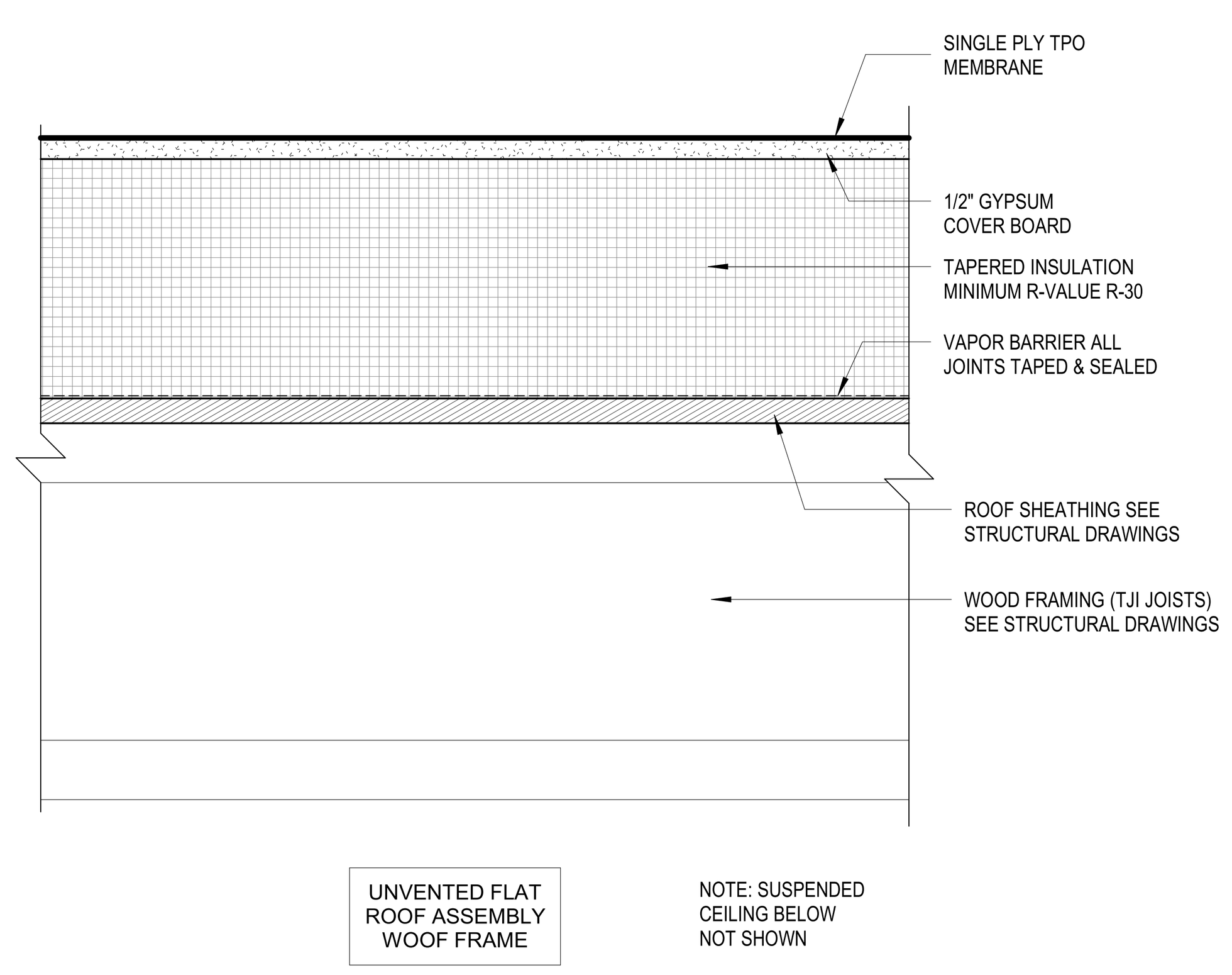
6 Roof Assembly - R-W1 Wood Frame Community Center
3" = 1'-0"



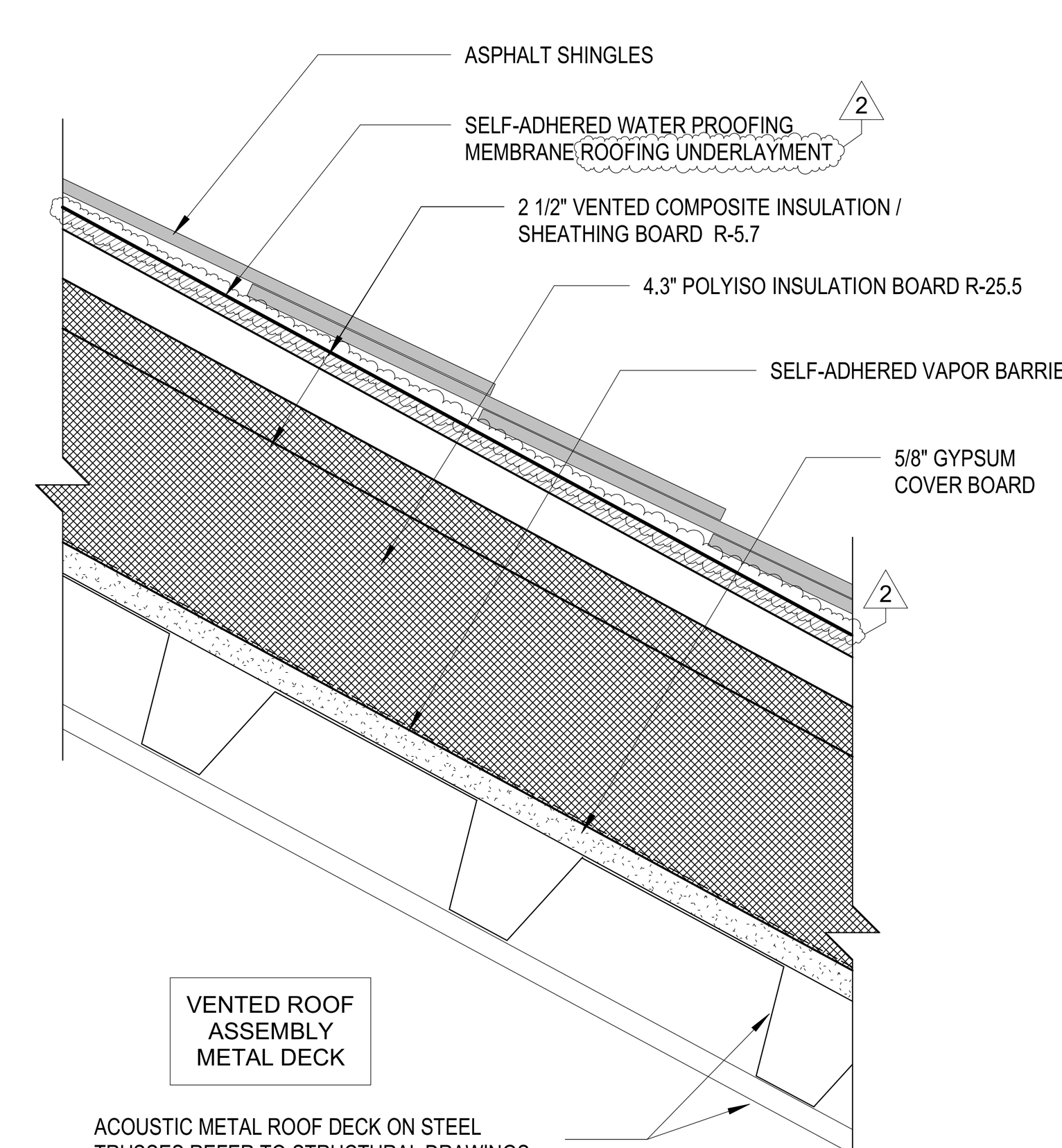
7 Roof Assembly - R-W2 Wood Frame Community Center
3" = 1'-0"



8 Roof Assembly - R-W3 Wood Frame Community Center / Walkway
3" = 1'-0"



9 Roof Assembly - R-W4 Wood Frame Community Center (Flat)
3" = 1'-0"



10 Roof Assembly - R-S1 Steel Frame Gym
3" = 1'-0"

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REVISIONS

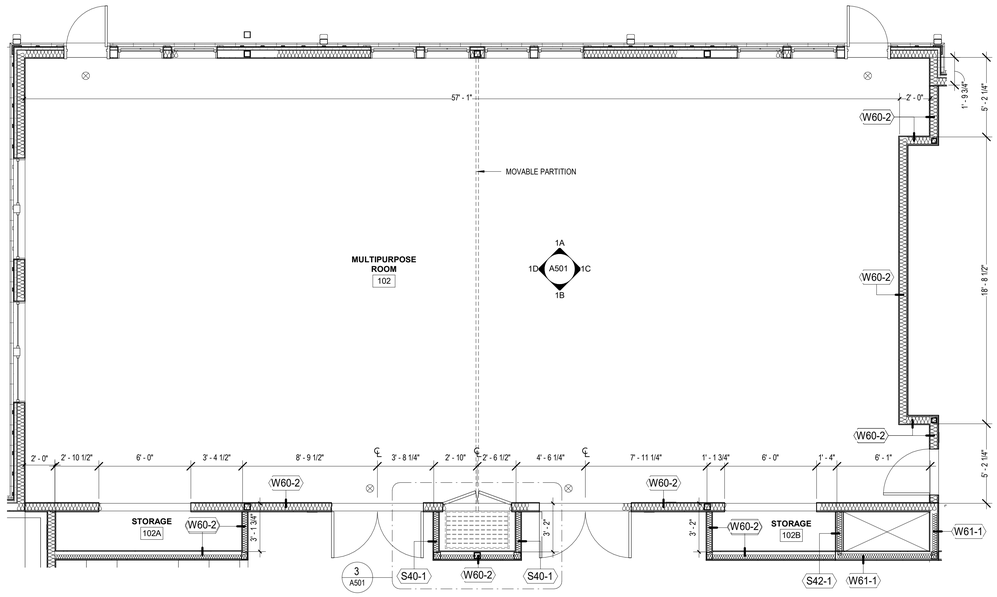
2 Addendum #2	08/03/2022
	DATE

DRAWING TITLE
Partition Types and Exterior Assemblies

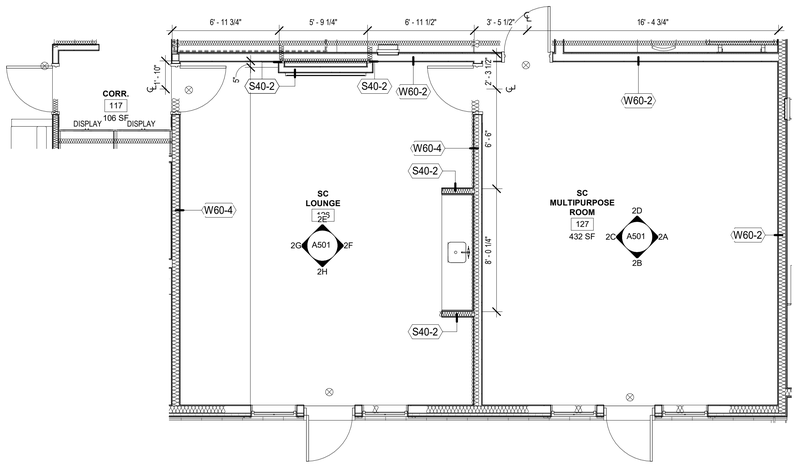
DRAWING INFORMATION

07/22/22
DATE OF ISSUE
Construction Documents
DESCRIPTION
As indicated — SCALE
GDALY — DRAWN BY
3403.00 — PROJECT #
Pembroke — FILE NAME

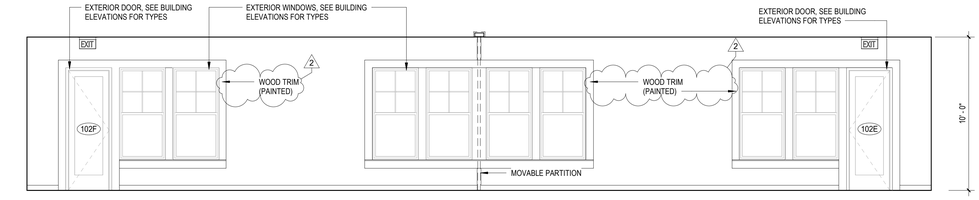
DRAWING NUMBER
A002



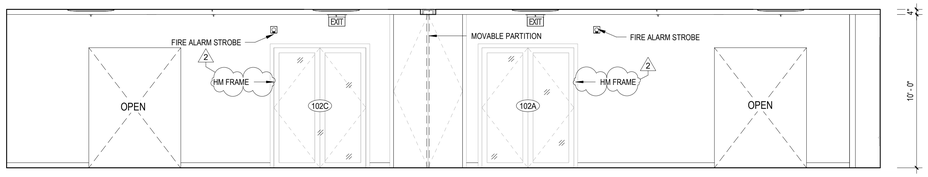
1 MULTI PURPOSE ROOM PLAN
1/4" = 1'-0"



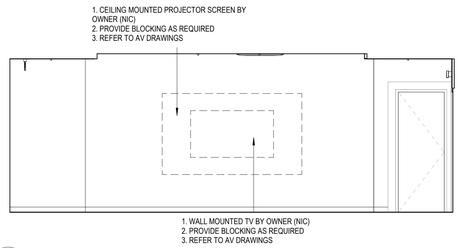
2 SC LOUNGE & MP ROOM PLAN
1/4" = 1'-0"



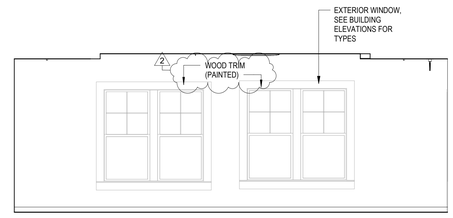
1A MP ROOM EAST ELEVATION
1/4" = 1'-0"



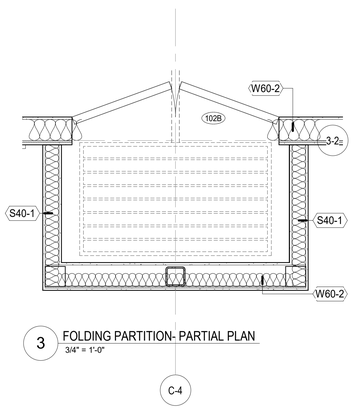
1B MP ROOM WEST ELEVATION
1/4" = 1'-0"



1C MP ROOM SOUTH ELEVATION
1/4" = 1'-0"

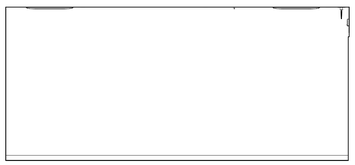


1D MP ROOM NORTH ELEVATION
1/4" = 1'-0"

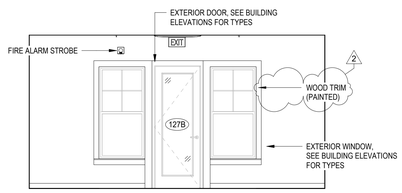


3 FOLDING PARTITION- PARTIAL PLAN
3/4" = 1'-0"

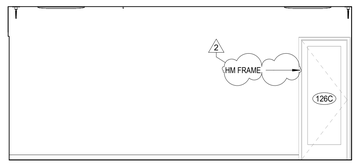
C-4



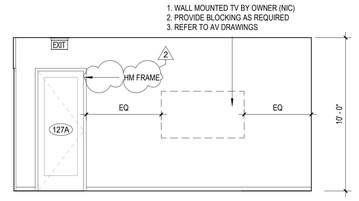
2A SC MP ROOM SOUTH ELEVATION
1/4" = 1'-0"



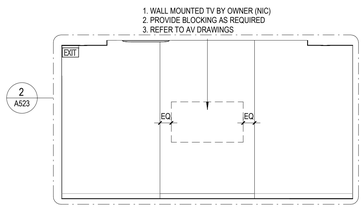
2B SC MP ROOM WEST ELEVATION
1/4" = 1'-0"



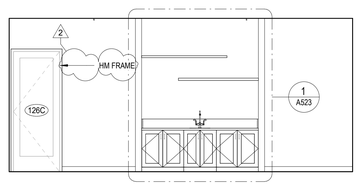
2C SC MP ROOM NORTH ELEVATION
1/4" = 1'-0"



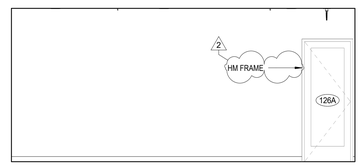
2D SC MP ROOM EAST ELEVATION
1/4" = 1'-0"



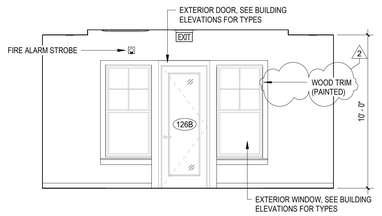
2E SC LOUNGE EAST ELEVATION
1/4" = 1'-0"



2F SC LOUNGE SOUTH ELEVATION
1/4" = 1'-0"



2G SC LOUNGE NORTH ELEVATION
1/4" = 1'-0"



2H SC LOUNGE WEST ELEVATION
1/4" = 1'-0"

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Technology and Security
Building Technology Consulting
992 Bedford Street
Bridgewater, MA 02424
(508) 819-1550

REVISIONS

2	Addendum #2	08/03/2022

DATE

DRAWING TITLE
Enlarged Plans and Elevations, MP Room

DRAWING INFORMATION

07/22/22
DATE OF ISSUE

Construction Documents
DESCRIPTION

As Indicated
SCALE

VB / GD
DRAWN BY

3403.00
PROJECT #

Pembroke
FILE NAME

DRAWING NUMBER
A501

V.2.1

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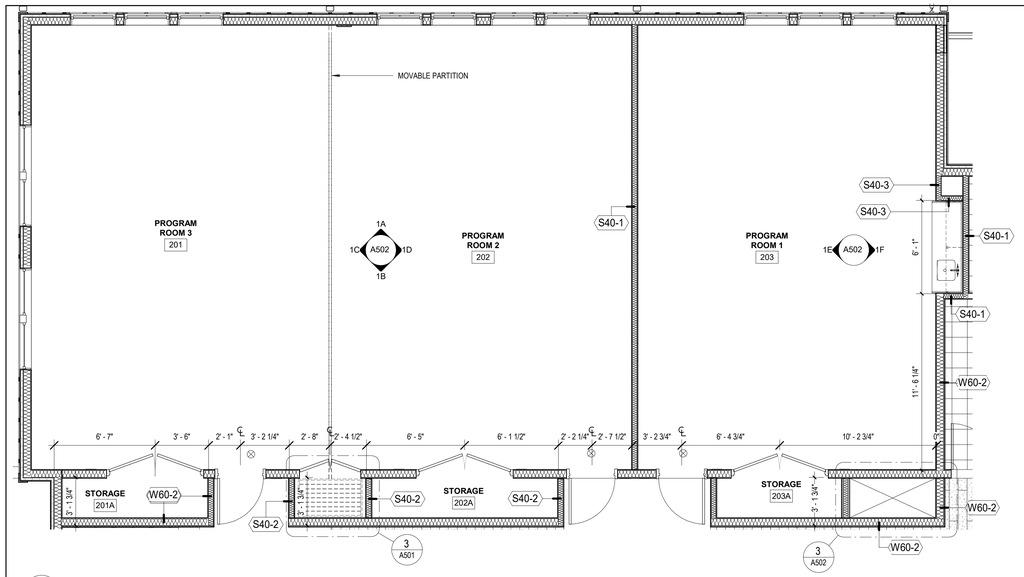
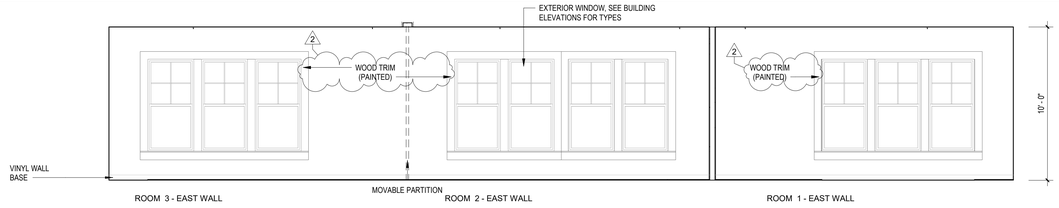
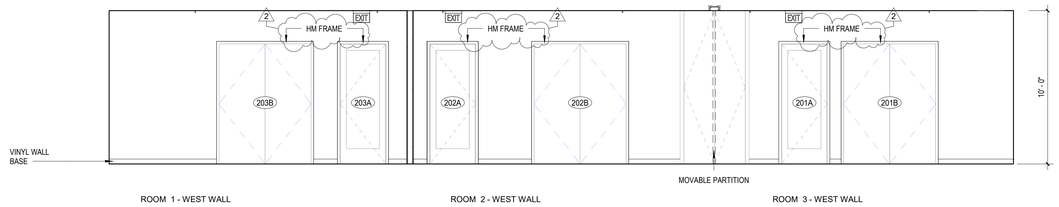


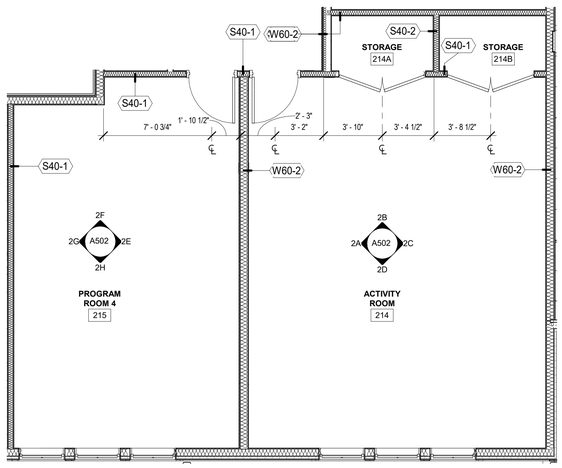
1 PROGRAM ROOM PLANS 1,2 & 3
1/4" = 1'-0"



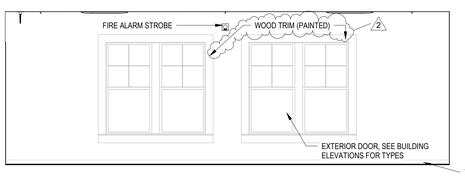
1A PROGRAM ROOMS - EAST ELEVATIONS
1/4" = 1'-0"



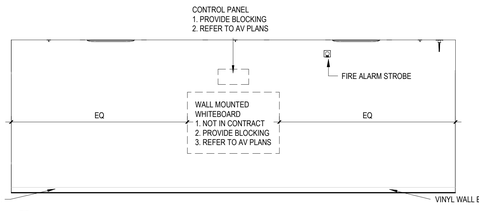
1B PROGRAM ROOMS - WEST ELEVATIONS
1/4" = 1'-0"



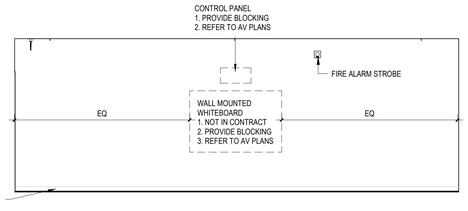
2 PROGRAM ROOM 4 & ACTIVITY ROOM PLAN
1/4" = 1'-0"



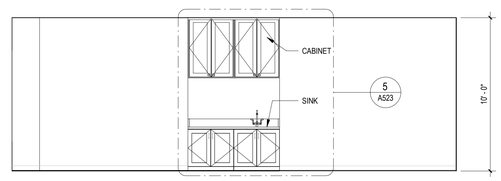
1C PROGRAM ROOM 3 - NORTH ELEVATION
1/4" = 1'-0"



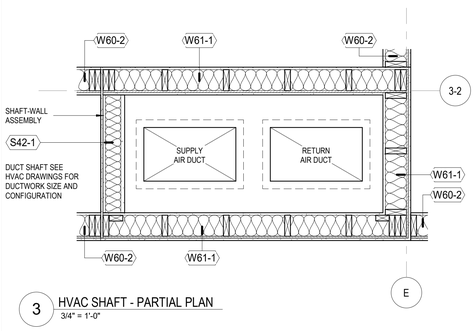
1D PROGRAM ROOM 2 - SOUTH ELEVATION
1/4" = 1'-0"



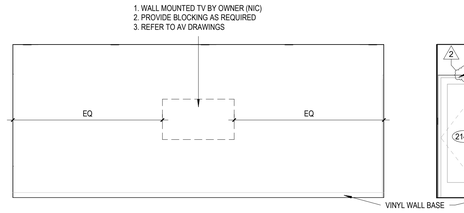
1E PROGRAM ROOM 1 - NORTH ELEVATION
1/4" = 1'-0"



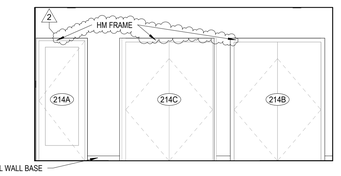
1F PROGRAM ROOM 1 - SOUTH ELEVATION
1/4" = 1'-0"



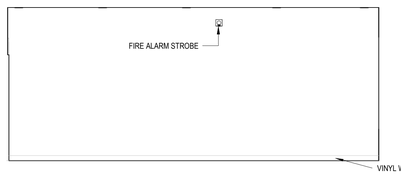
3 HVAC SHAFT - PARTIAL PLAN
3/4" = 1'-0"



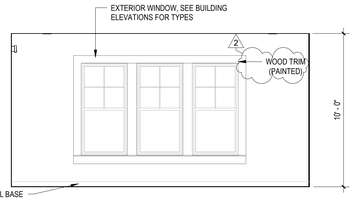
2A ACTIVITY ROOM - SOUTH ELEVATION
1/4" = 1'-0"



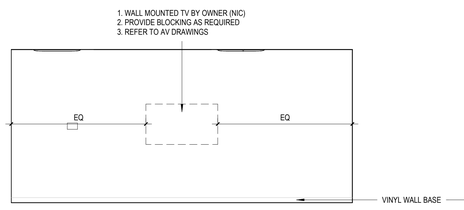
2B ACTIVITY ROOM - EAST ELEVATION
1/4" = 1'-0"



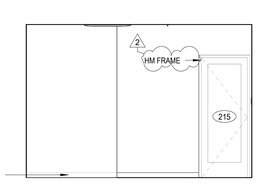
2C ACTIVITY ROOM - NORTH ELEVATION
1/4" = 1'-0"



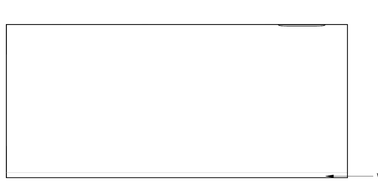
2D ACTIVITY ROOM - WEST ELEVATION
1/4" = 1'-0"



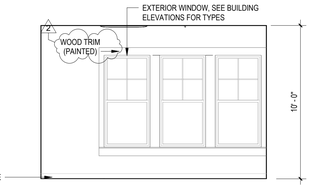
2E PROGRAM ROOM 4 - SOUTH ELEVATION
1/4" = 1'-0"



2F PROGRAM ROOM 4 - EAST ELEVATION
1/4" = 1'-0"



2G PROGRAM ROOM 4 - NORTH ELEVATION
1/4" = 1'-0"



2H PROGRAM ROOM 4 - WEST ELEVATION
1/4" = 1'-0"

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REVISIONS

2 Addendum #2	08/03/2022

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DRAWING TITLE
Enlarged Plans & Elevations, Program Rooms

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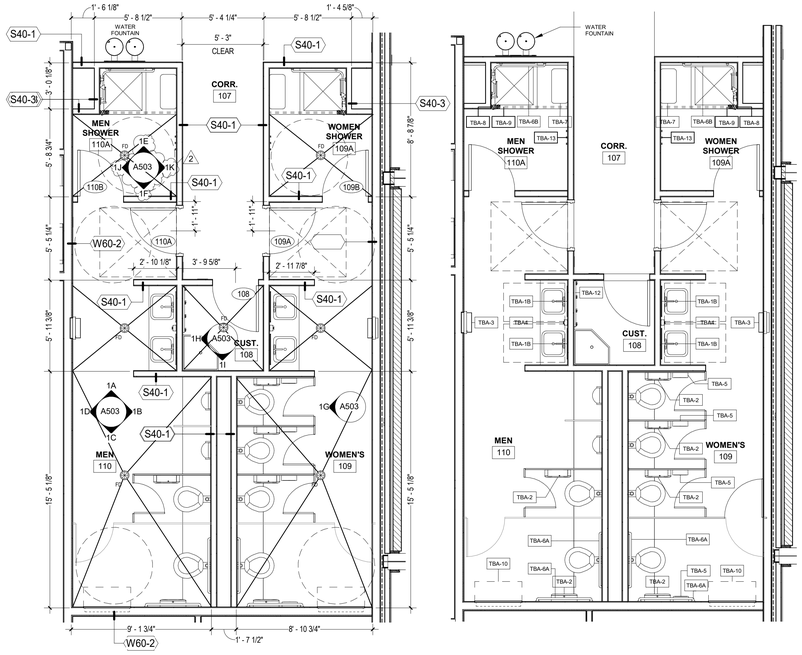
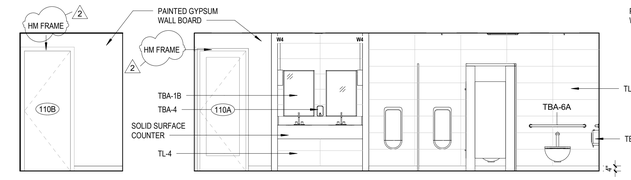


1 FIRST FLOOR BATHROOM PLAN
1/4" = 1'-0"

A1 FIRST FLOOR BATHROOM PLAN - TOILET ACCESSORIES
1/4" = 1'-0"

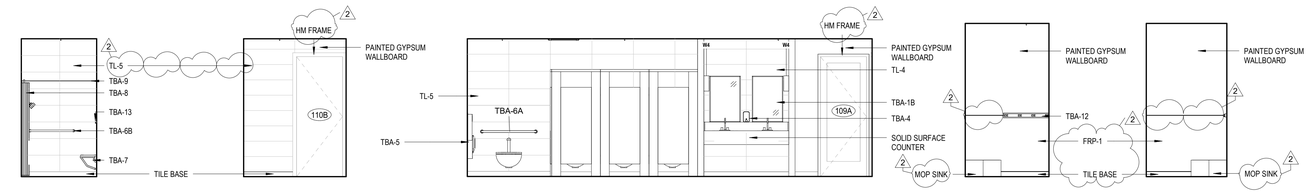


1A MEN ELEVATION A
1/4" = 1'-0"

1B MEN ELEVATION B
1/4" = 1'-0"

1C MEN ELEVATION C
1/4" = 1'-0"

1D MEN ELEVATION D
1/4" = 1'-0"



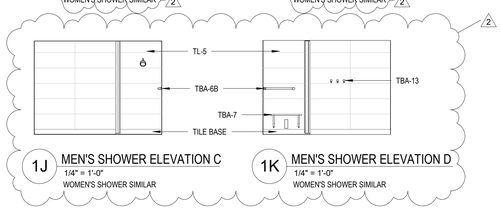
1E MEN'S SHOWER ELEVATION A
1/4" = 1'-0"

1F MEN'S SHOWER ELEVATION B
1/4" = 1'-0"

1G WOMEN'S ELEVATION A
1/4" = 1'-0"

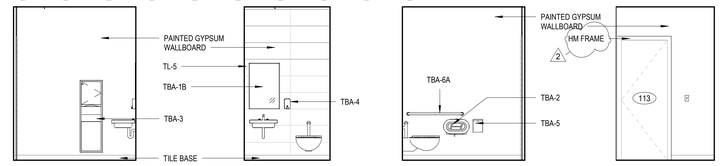
1H CUSTODIAN ELEVATION A
1/4" = 1'-0"

1I CUSTODIAN ELEVATION B
1/4" = 1'-0"



1J MEN'S SHOWER ELEVATION C
1/4" = 1'-0"
WOMEN'S SHOWER SIMILAR

1K MEN'S SHOWER ELEVATION D
1/4" = 1'-0"
WOMEN'S SHOWER SIMILAR

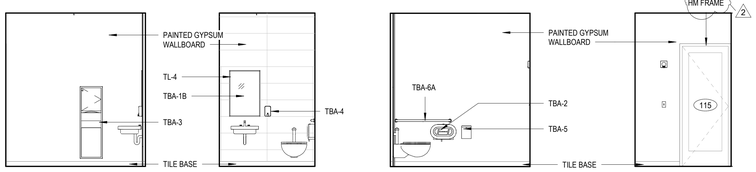


2A COMP. ELEVATION A
1/4" = 1'-0"

2B COMP. ELEVATION B
1/4" = 1'-0"

2C COMP. ELEVATION C
1/4" = 1'-0"

2D COMP. ELEVATION D
1/4" = 1'-0"

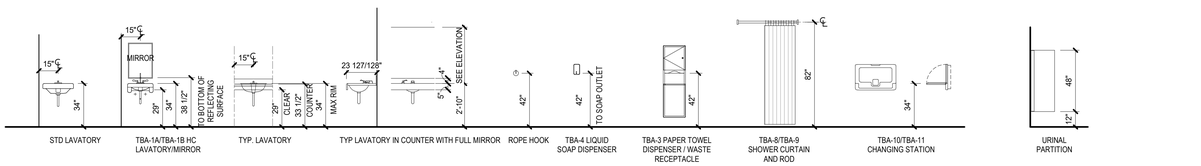


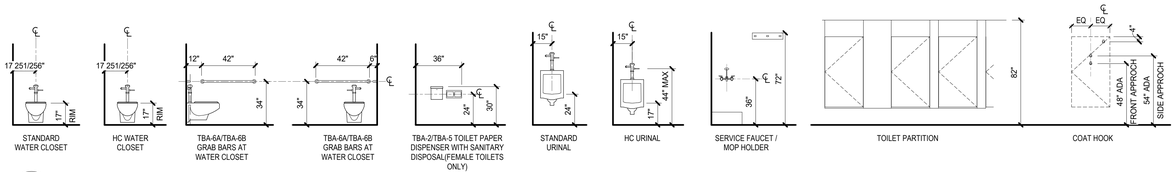
2E STAFF ELEVATION E
1/4" = 1'-0"

2F STAFF ELEVATION F
1/4" = 1'-0"

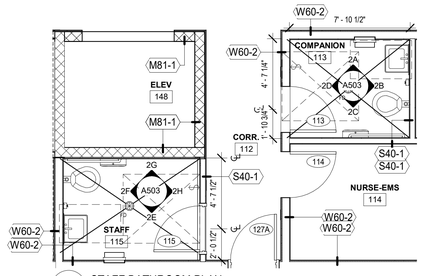
2G STAFF ELEVATION G
1/4" = 1'-0"

2H STAFF ELEVATION H
1/4" = 1'-0"

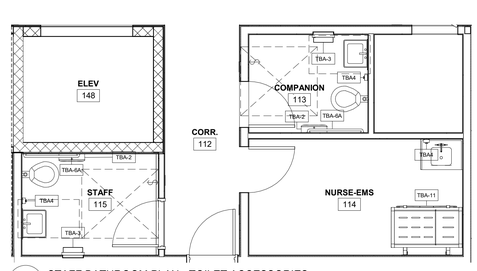




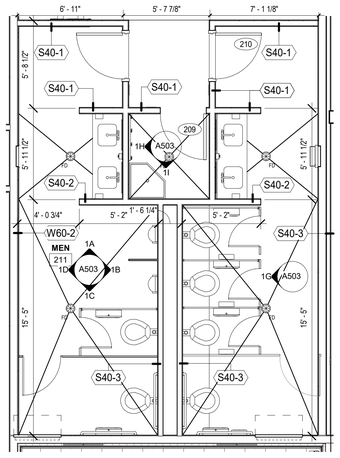
4 TYPICAL MOUNTING HEIGHT
1/4" = 1'-0"



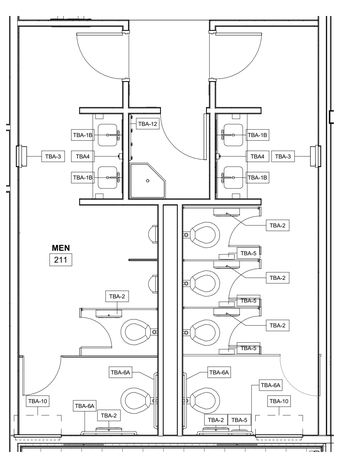
2 STAFF BATHROOM PLAN
1/4" = 1'-0"



A2 STAFF BATHROOM PLAN - TOILET ACCESSORIES
1/4" = 1'-0"



3 SECOND FLOOR BATHROOM PLAN
1/4" = 1'-0"



A3 SECOND FLOOR BATHROOM PLAN - TOILET ACCESSORIES
1/4" = 1'-0"

TOILET & BATH ACCESSORIES	
TBA-1A	CUSTOM MIRROR
TBA-1B	PREFAB MIRROR
TBA-2	TOILET PAPER DISPENSER
TBA-3	COMBINATION PAPER TOWEL DISPENSER/TRASH RECEPTACLE
TBA-4	SOAP DISPENSER
TBA-5	SANITARY NAPKIN RECEPTACLE
TBA-6A	42" GRAB BAR
TBA-6B	36" L SHAPED GRAB BAR
TBA-7	36" SHOWER SEAT
TBA-8	SHOWER CURTAIN
TBA-9	SHOWER ROD
TBA-10	DIPER CHANGING TABLE
TBA-11	ADULT CHANGING TABLE
TBA-12	MOP AND BROOM HOLDER
TBA-13	ROBE HOOK

NOTE:

REFER TO A700 FOR ROOM FINISH SCHEDULE & LEGEND

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REVISIONS

2 Addendum #2	08/03/2022
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Enlarged Plans & Elevations, Toilets

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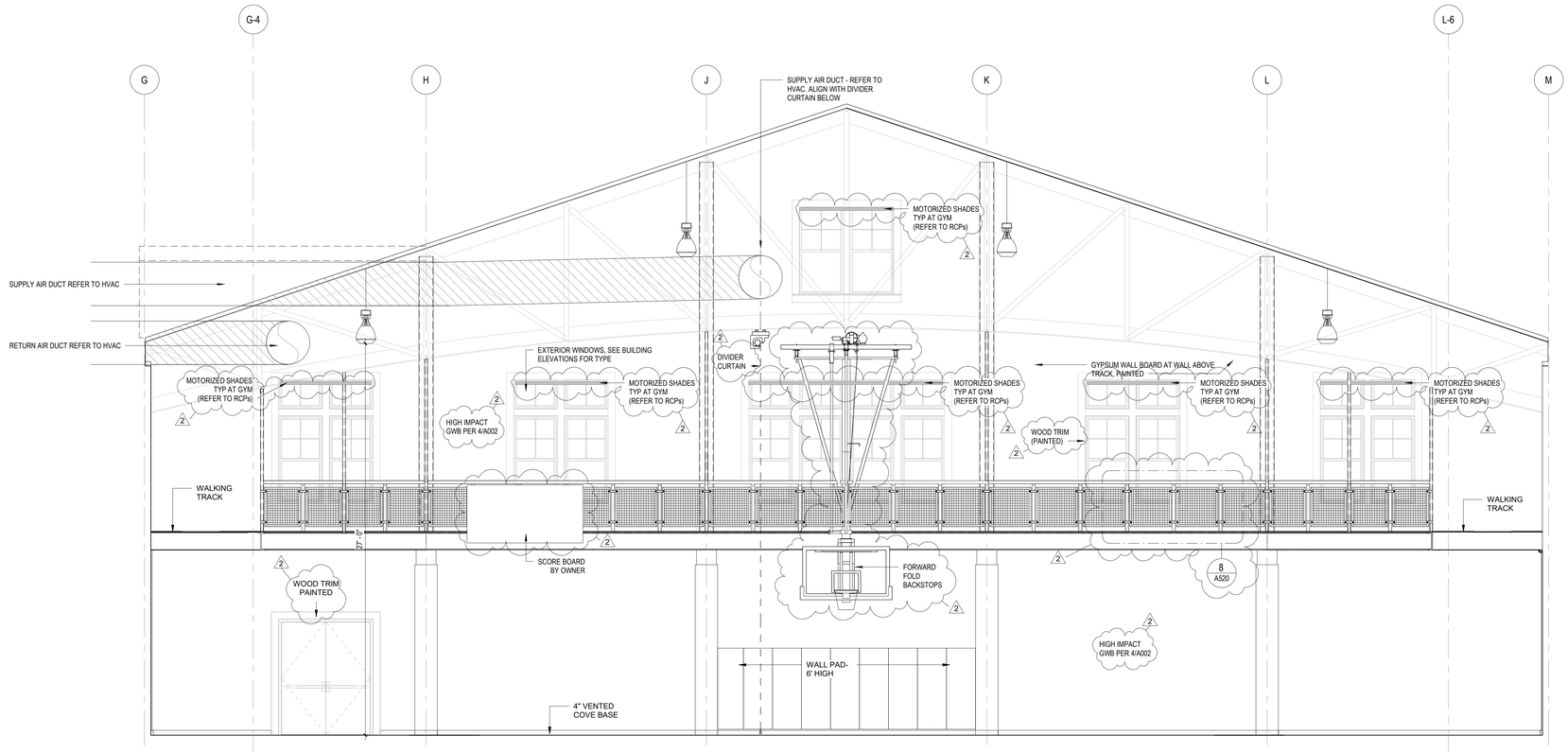
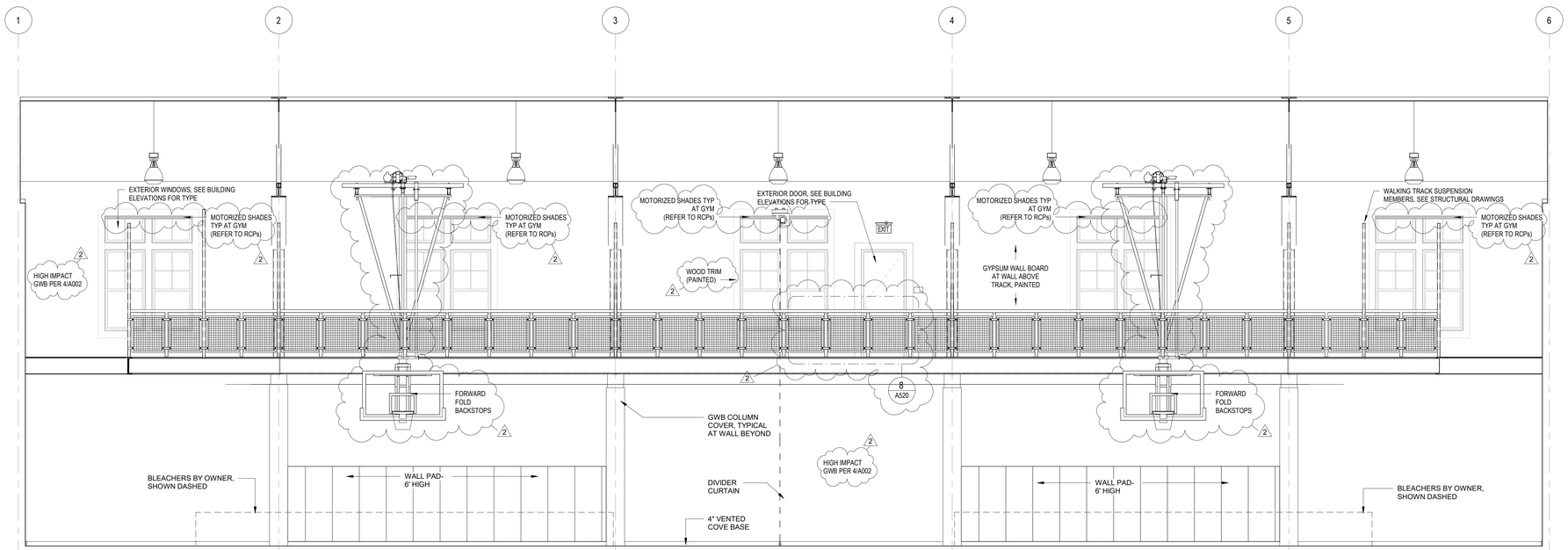


1 DETAIL GUARD RAIL
1/4" = 1'-0"



2 GYM ELEVATION B - SOUTH WALL
1/4" = 1'-0"

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REVISIONS

2	Addendum #2	08/03/2022

DATE

DRAWING TITLE
Gym Elevations

DRAWING INFORMATION

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Construction Documents
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1/4" = 1'-0" — SCALE
Author — DRAWN BY
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Pembroke — FILE NAME

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A504

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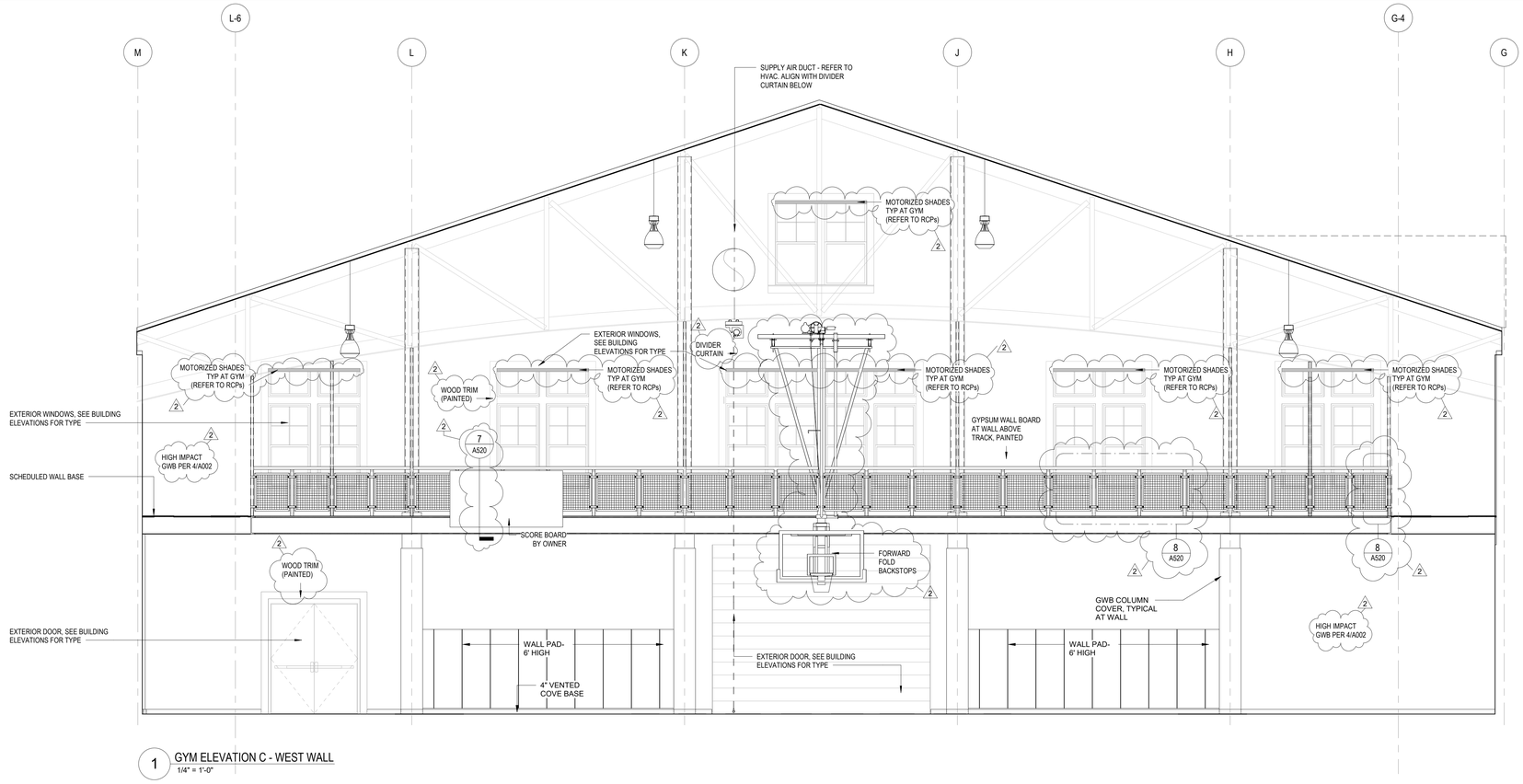
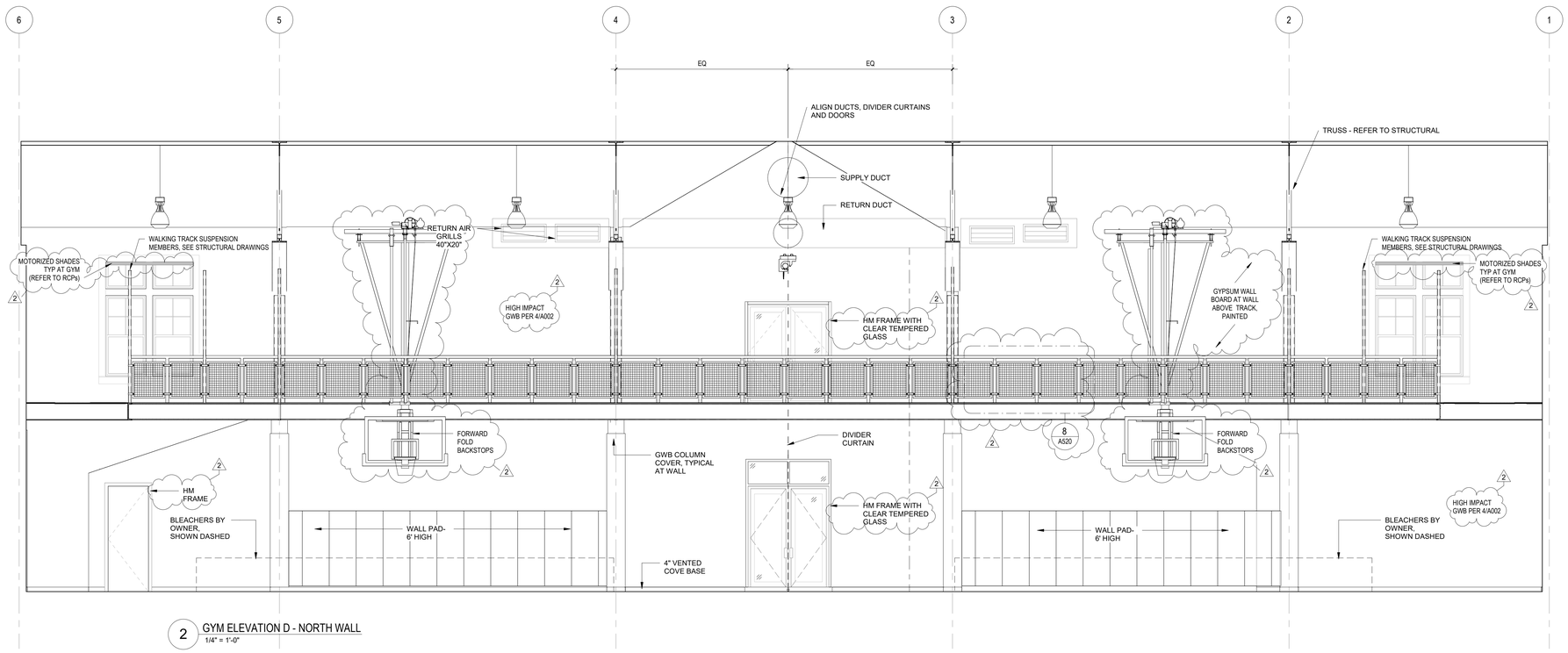


1 GYM ELEVATION C - WEST WALL
1/4" = 1'-0"



2 GYM ELEVATION D - NORTH WALL
1/4" = 1'-0"

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Gym Elevations

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Construction Documents
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1/4" = 1'-0" — SCALE
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A505

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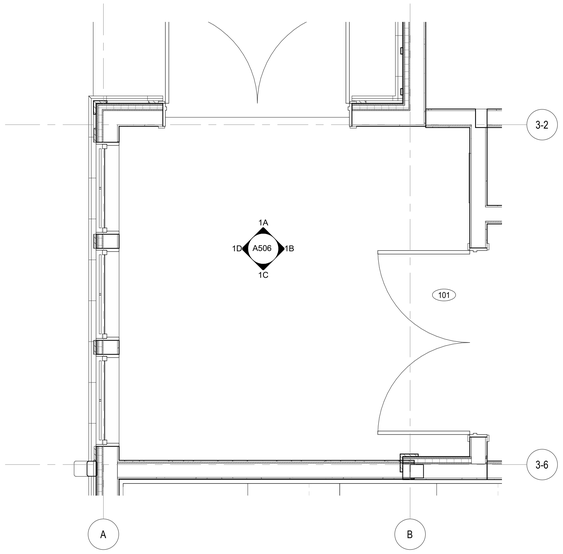
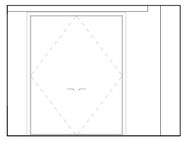
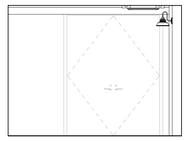


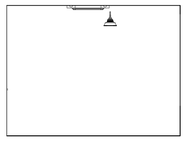
1 ENTRY VESTIBULE - PARTIAL PLAN
1/2" = 1'-0"



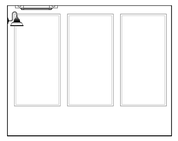
1A VESTIBULE ELEVATION A
1/4" = 1'-0"



1B VESTIBULE ELEVATION B
1/4" = 1'-0"

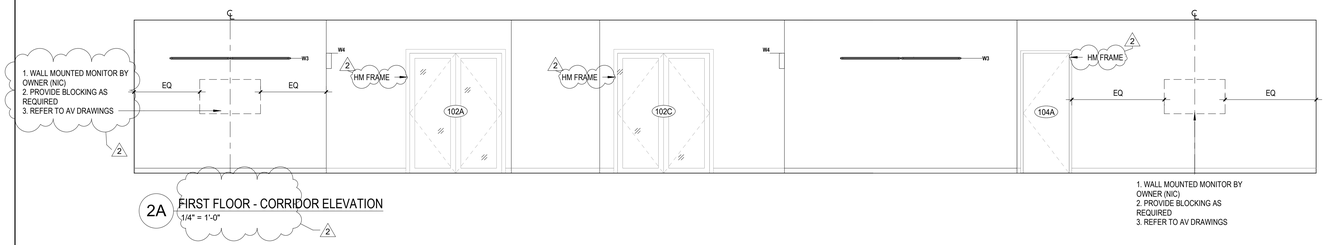


1C VESTIBULE ELEVATION C
1/4" = 1'-0"

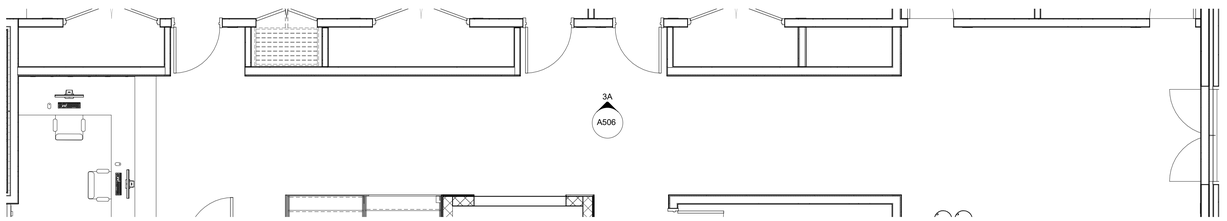


1D VESTIBULE ELEVATION D
1/4" = 1'-0"

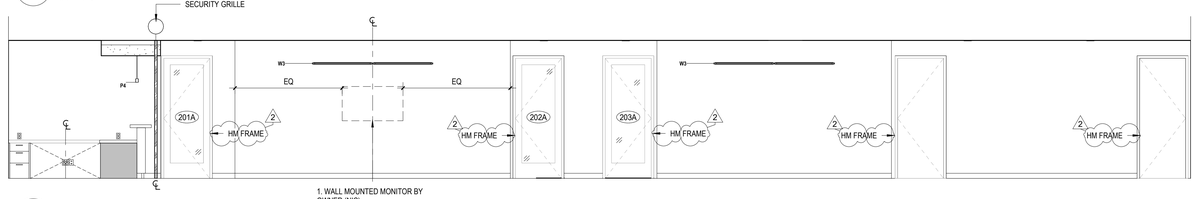
2 FIRST FLOOR - ENLARGED CORRIDOR
1/4" = 1'-0"



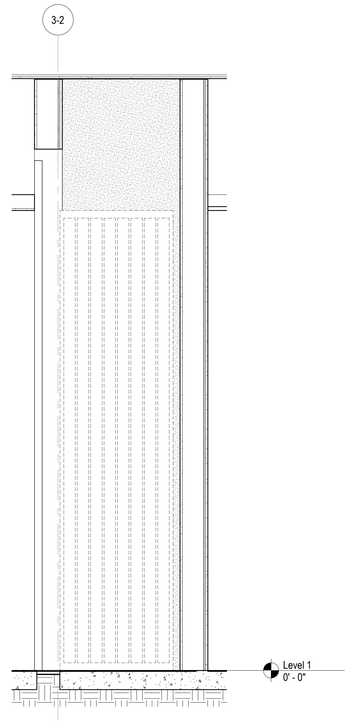
2A FIRST FLOOR - CORRIDOR ELEVATION
1/4" = 1'-0"



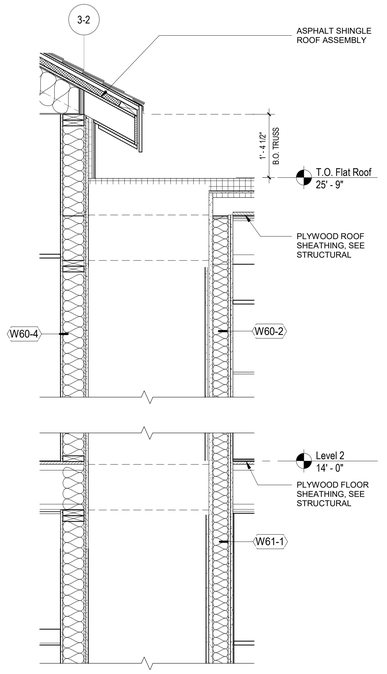
3 SECOND FLOOR - ENLARGED CORRIDOR
1/4" = 1'-0"



3A SECOND FLOOR - CORRIDOR ELEVATION
1/4" = 1'-0"



4 MOVEABLE PARTITION - SECTION
3/4" = 1'-0"



5 HVAC SHAFT - SECTION
3/4" = 1'-0"

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Elevator Consultant
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Technology and Security
Building Technology Consulting
992 Bedford Street
Bridgewater, MA 02424
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REVISIONS

2	Addendum #2	08/03/2022

DATE

DRAWING TITLE
Enlarged Plans & Elevations

DRAWING INFORMATION

07/22/22
DATE OF ISSUE

Construction Documents
DESCRIPTION

As indicated — SCALE
Author — DRAWN BY
3403.00 — PROJECT #
Pembroke — FILE NAME

DRAWING NUMBER
A506

V.2.1

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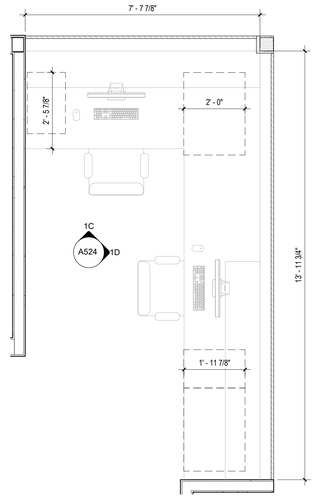
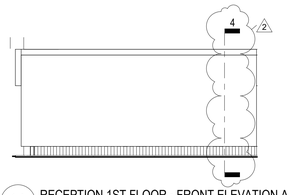
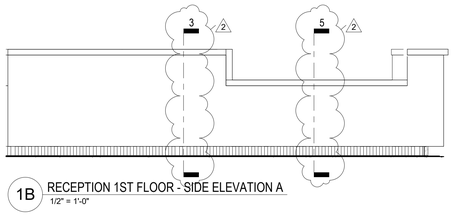
Author



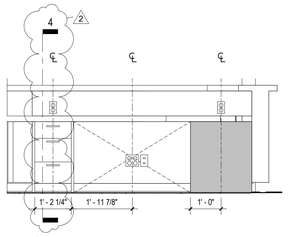
1 FIRST FLOOR RECEPTION
1/2" = 1'-0"



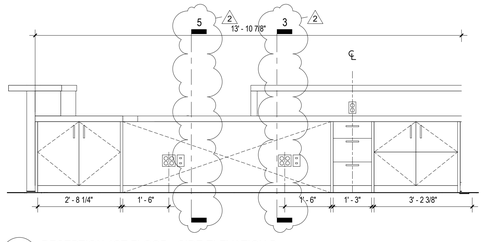
1A RECEPTION 1ST FLOOR - FRONT ELEVATION A
1/2" = 1'-0"



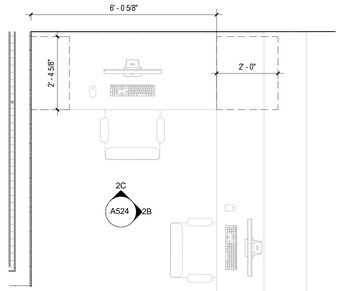
1B RECEPTION 1ST FLOOR - SIDE ELEVATION A
1/2" = 1'-0"



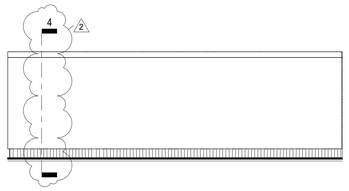
1C RECEPTION 1ST FLOOR - FRONT ELEVATION B
1/2" = 1'-0"



1D RECEPTION 1ST FLOOR - SIDE ELEVATION B
1/2" = 1'-0"



2 SECOND FLOOR RECEPTION
1/2" = 1'-0"



2A RECEPTION 2ND FLOOR - FRONT ELEVATION A
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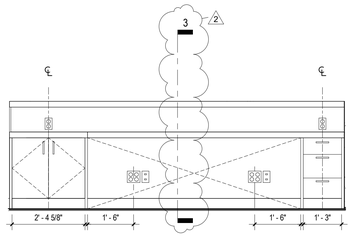
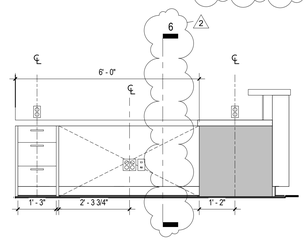


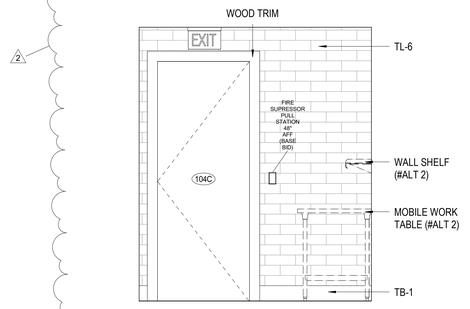
2B RECEPTION 2ND FLOOR - FRONT ELEVATION B
1/2" = 1'-0"



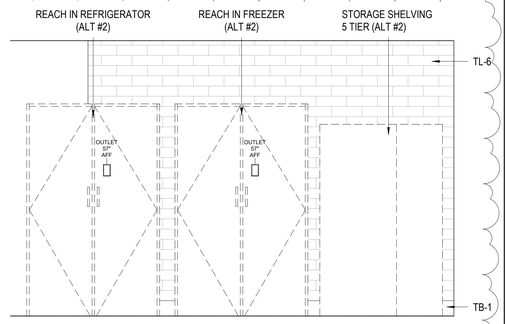
2C RECEPTION 2ND FLOOR - SIDE ELEVATION
1/2" = 1'-0"

NOTES:

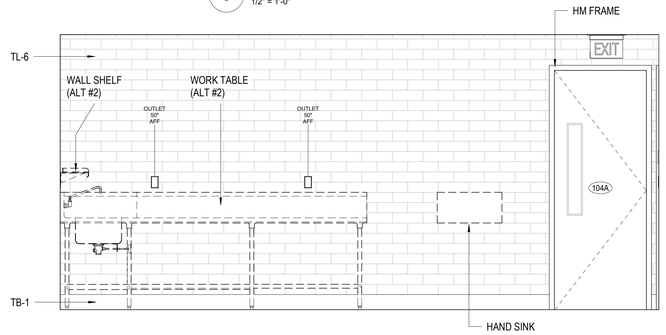
1. FURNITURE SHOWN FOR REFERENCE ONLY
2. REFER TO DRAWING FS100 AND KITCHEN EQUIPMENT SPECIFICATION 114000 FOR ADDITIONAL ALTERNATE 2 AND BASE BID INFO.



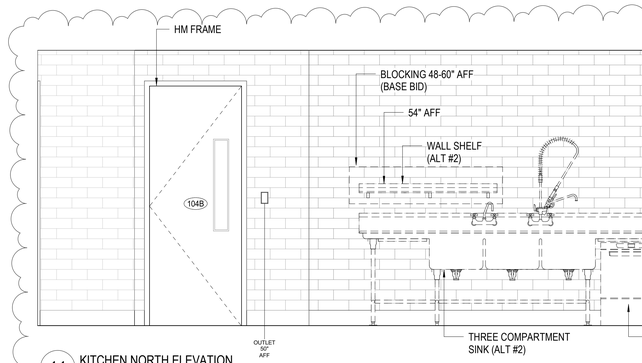
7 KITCHEN EAST ELEVATION - EXTERIOR WALL
1/2" = 1'-0"



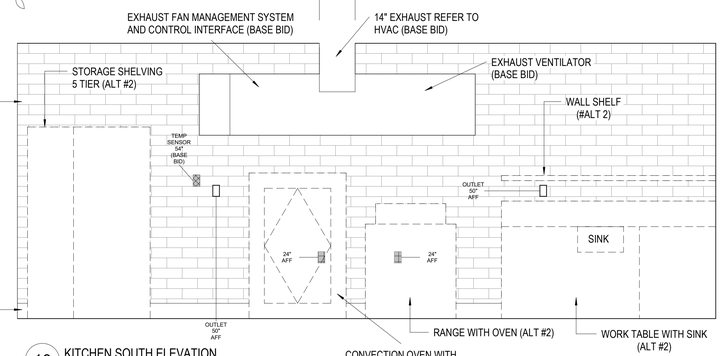
8 KITCHEN EAST ELEVATION
1/2" = 1'-0"



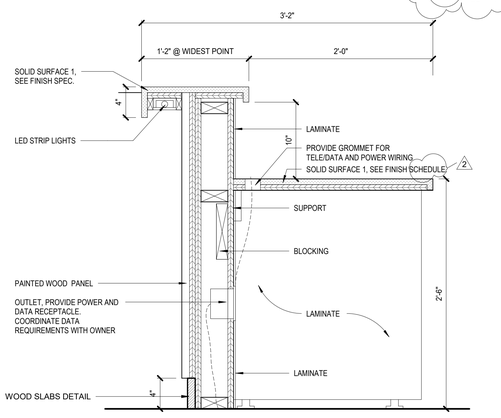
9 KITCHEN WEST ELEVATION
1/2" = 1'-0"



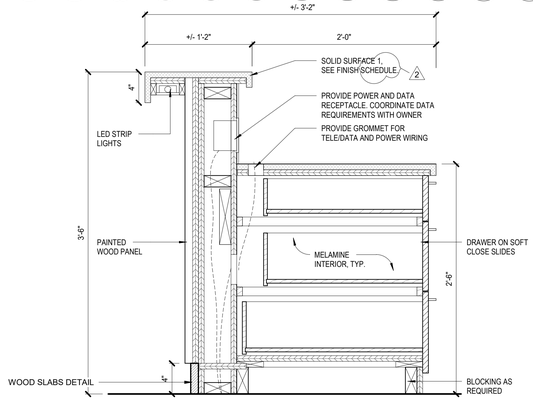
11 KITCHEN NORTH ELEVATION
1/2" = 1'-0"



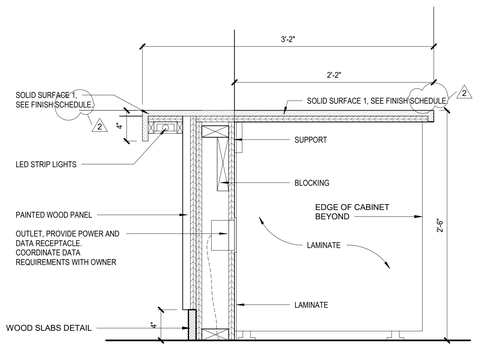
10 KITCHEN SOUTH ELEVATION
1/2" = 1'-0"



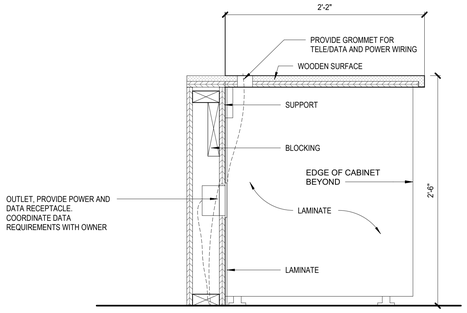
3 1ST & 2ND FLOORS RECEPTION DESK SECTION
1 1/2" = 1'-0"



4 1ST & 2ND FLOORS RECEPTION DESK SECTION W/ DRAWERS
1 1/2" = 1'-0"



5 1ST FLOOR RECEPTION DESK SECTION
1 1/2" = 1'-0"



6 2ND FLOOR RECEPTION AJACENT DESK
1 1/2" = 1'-0"

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Bargmann Hendrie + Archetype, Inc.
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(617) 350 0450

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Pembroke, MA, 02359

CLIENT
Town of Pembroke MA
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Merrill Engineers & Land Surveyors
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Technology and Security
Building Technology Consulting
992 Bedford Street
Bridgewater, MA 02424
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REVISIONS

2	Addendum #2	08/03/2022

DATE

DRAWING TITLE
2
Reception Desks and Kitchen Elevations

DRAWING INFORMATION

07/22/22
DATE OF ISSUE
Construction Documents
DESCRIPTION
As indicated
SCALE
GK
DRAWN BY
3403.00
PROJECT #
Pembroke
FILE NAME

DRAWING NUMBER
A524

V.2.1

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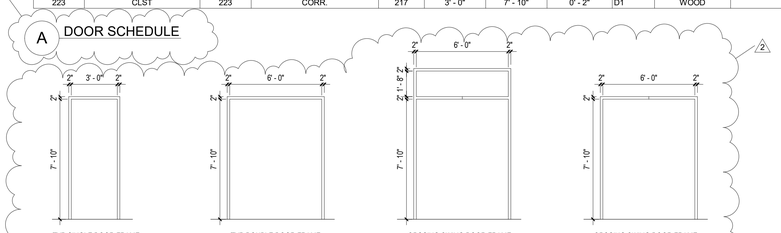
DOOR SCHEDULE

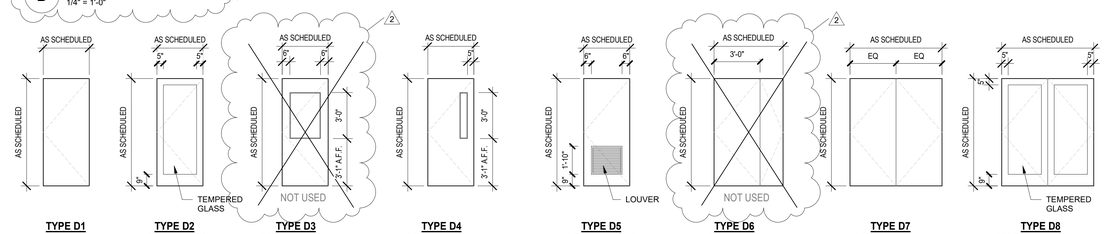
FROM ROOM			TO ROOM		DOOR SIZE			DOOR			FRAME						
DOOR NUMBER	NAME	NUMBER	NAME	NUMBER	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	MATERIAL	DOOR FINISH	TYPE	MATERIAL	JAMB	THRESHOLD	HARDWARE	FIRE RATING	COMMENTS
100	VESTIBULE	100			6' - 0"	7' - 10"	0' - 1 3/8"	D8	FIBERGLASS			FIBERGLASS			AUTO OPENER/CARD READER		
101	LOBBY	101	VESTIBULE	100	6' - 0"	7' - 10"	0' - 1 3/8"	D8	FIBERGLASS			FIBERGLASS			AUTO OPENER/CARD READER		
102	GYM STORAGE	106A	GYM	106	3' - 0"	7' - 10"	0' - 2"	D1	FIBERGLASS			HM					
102A	MULTIPURPOSE ROOM	102	LOBBY	101	6' - 0"	7' - 10"	0' - 2"	D8	WOOD			HM					
102B			MULTIPURPOSE ROOM	102	4' - 6"	10' - 0"	0' - 2"										BI-FOLDING PANEL PARTITION
102C	MULTIPURPOSE ROOM	102	LOBBY	101	6' - 0"	7' - 10"	0' - 2"	D8	WOOD			HM					
102E	MULTIPURPOSE ROOM	102			3' - 0"	7' - 10"	0' - 1 3/4"	D2	FIBERGLASS			FIBERGLASS					
102F	MULTIPURPOSE ROOM	102			3' - 0"	7' - 10"	0' - 1 3/4"	D2	FIBERGLASS			FIBERGLASS					
104A	GYM LOBBY	103	KITCHEN	104	3' - 0"	7' - 10"	0' - 1 3/4"	D4	WOOD			HM					
104B	KITCHEN	104	MULTIPURPOSE ROOM	102	3' - 0"	7' - 10"	0' - 1 3/4"	D4	WOOD			HM					
104C	KITCHEN	104			3' - 0"	8' - 0"	0' - 1 3/4"	D1	FIBERGLASS			FIBERGLASS			CARD READER		
105	ELEC.	105			3' - 0"	7' - 10"	0' - 1 3/4"	D1	HM			HM					
106A	GYM	106	GYM LOBBY	103	6' - 0"	7' - 4"		D8	WOOD			HM	DUAL SWING		CARD READER		OPPOSING SWING DOUBLE LEAF DOOR
106B	GYM	106	GYM STORAGE	106A	3' - 0"	7' - 10"			HM			HM					
106C	GYM	106			15' - 5 5/16"	12' - 0"	0' - 1 1/2"	D11	OVERHEAD COILING			NA					
106D	GYM	106			15' - 0"	12' - 0"		-	BARN DOOR			NA					
106E	GYM	106			6' - 2"	7' - 10"	0' - 1 3/4"		HM			HM					
106F	GYM	106			6' - 2"	7' - 10"	0' - 1 3/4"	D7	HM			HM			CARD READER		
108	CORR.	107	CUST.	108	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
109A	CORR.	107	WOMEN'S	109	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
109B	WOMEN'S	109	WOMEN SHOWER	109A	3' - 0"	7' - 10"	0' - 2"	D1	WOOD			HM					
110A	CORR.	107	MEN	110	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
110B	MEN	110	MEN SHOWER	110A	3' - 0"	7' - 10"	0' - 2"	D1	WOOD			HM					
111	STO.	111	LOBBY	101	3' - 0"	7' - 10"	0' - 2"	D1	WOOD			HM					
113	CORR.	112	COMPANION	113	3' - 0"	7' - 10"	0' - 2"	D1	WOOD			HM					
114	CORR.	112	NURSE-EMS	114	3' - 0"	7' - 10"	0' - 2"	D1	WOOD			HM					
115	CORR.	112	STAFF	115	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
116	STOR.	116	LOBBY	101	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
119	CORR.	117	CORR.	119	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM			CARD READER		
120	CORR.	119	ADMIN.	120	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
121	CORR.	119	SC OUTREACH	121	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
122	CORR.	119	SC TRANSPORT COORD	122	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
123	CORR.	119	SC EXEC. DIRECTOR	123	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
124	CORR.	119	DISABILITY / SHINE	124	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
125	CORR.	119	COPY	125	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
126A	CORR.	117	SC LOUNGE	126	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
126B	SC LOUNGE	126			3' - 0"	8' - 0"	0' - 1 3/4"	D8	FIBERGLASS			FIBERGLASS			CARD READER		
126C	SC MULTIPURPOSE ROOM	127	SC LOUNGE	126	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
127A	SC MULTIPURPOSE ROOM	127	CORR.	112	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
127B	SC MULTIPURPOSE ROOM	127			3' - 0"	8' - 0"	0' - 1 3/4"	D8	FIBERGLASS			FIBERGLASS					
128	WATER SERVICE	128			3' - 0"	7' - 10"	0' - 1 3/4"	D1	HM			HM					
201A	PROGRAM ROOM 3	201	CORRIDOR	200	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
201B	STORAGE	201A	PROGRAM ROOM 3	201	6' - 0"	7' - 10"	0' - 1 3/4"	D7	WOOD			HM					
201C	PROGRAM ROOM 2	202	PROGRAM ROOM 3	201	4' - 0"	10' - 0"	0' - 2"										BI-FOLDING PANEL PARTITION
202A	PROGRAM ROOM 2	202	CORRIDOR	200	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
202B	STORAGE	202A	PROGRAM ROOM 2	202	6' - 0"	7' - 10"	0' - 1 3/4"	D7	WOOD			HM					
203A	PROGRAM ROOM 1	203	CORRIDOR	200	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
203B	STORAGE	203A	PROGRAM ROOM 1	203	6' - 0"	7' - 10"	0' - 1 3/4"	D7	WOOD			HM					
205	CORR.	204	STO.	205	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM			CARD READER		
206	MECH.	206	CORR.	204	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
206A	BDA	206A	MECH.	206	3' - 0"	7' - 10"	0' - 1 3/4"	D1	HM			HM					2HR RATED DOOR & FRAME
206HHH																	
206JJJ																	
207	MDF	207	STO.	205	3' - 0"	7' - 10"	0' - 1 3/4"	D1	HM			HM			CARD READER		
208A	WALKING TRACK	208	CORR.	204	6' - 0"	7' - 10"		D8	WOOD			HM	DUAL SWING		CARD READER		OPPOSING SWING DOUBLE LEAF DOOR
208B	WALKING TRACK	208			3' - 0"	7' - 10"	0' - 1 3/4"	D1	HM			HM					
209	CORR.	204	CUST.	209	3' - 0"	7' - 10"	0' - 2"	D1	WOOD			HM					
210	CORR.	204	WOMEN	210	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
211	MEC.	211	CORR.	204	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
213	CORR.	212	COT STORAGE	213	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
214A	CORR.	212	ACTIVITY ROOM	214	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
214B	STORAGE	214B	ACTIVITY ROOM	214	5' - 8"	7' - 10"	0' - 2"	D7	WOOD			HM					
214C	STORAGE	214A	ACTIVITY ROOM	214	5' - 8"	7' - 10"	0' - 2"	D7	WOOD			HM					
215	CORR.	212	PROGRAM ROOM 4	215	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
216	EMR	216	CORR.	212	3' - 0"	7' - 10"	0' - 1 3/4"	D1	WOOD			HM					
217	CORR.	217	CORRIDOR	200	3' - 0"	7' - 10"	0' - 2"	D2	WOOD			HM			CARD READER		
219	CORR.	217	STAFF OFFICE	219	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
220	CORR.	217	REC. DIR.	220	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
221	CORR.	217	STAFF/CONF.	221	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
222	CORR.	217	WORK ROOM	222	3' - 0"	7' - 10"	0' - 1 3/4"	D2	WOOD			HM					
223	CLST	223	CORR.	217	3' - 0"	7' - 10"	0' - 2"	D1	WOOD			HM					

A DOOR SCHEDULE



TYP SINGLE DOOR FRAME | TYP DOUBLE DOOR FRAME | OPOSING SWING DOOR FRAME (FIRST FLOOR) | OPOSING SWING DOOR FRAME (SECOND FLOOR)

B DOOR FRAME TYPES
1/4" = 1'-0"



TYPE D1

TYPE D2 DOOR WITH VISION PANEL

TYPE D3 DOOR WITH VISION PANEL

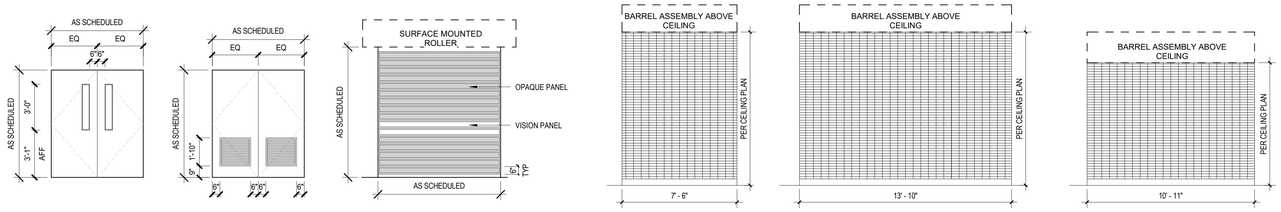
TYPE D4 DOOR WITH VISION PANEL

TYPE D5 DOOR WITH LOUVER

TYPE D6 UNEVEN DOOR FINISH AS SCHEDULED

TYPE D7 DOUBLE DOOR FINISH AS SCHEDULED

TYPE D8 DOOR WITH VISION PANEL



TYPE D9 DOUBLE DOOR FINISH AS SCHEDULED

TYPE D10 DOUBLE DOOR WITH LOUVER FINISH AS SCHEDULED

TYPE D11 OVERHEAD ROLL-UP DOOR

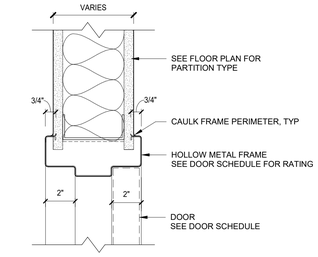
TYPE D12 RECEPTION SECURITY GRILLE

TYPE D13 RECEPTION SECURITY GRILLE

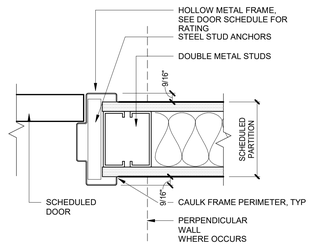
TYPE D14 RECEPTION SECURITY GRILLE

C DOOR TYPES
1/4" = 1'-0"

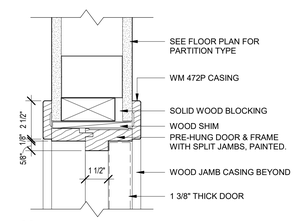
D SECURITY GRILLE TYPES
1/4" = 1'-0"



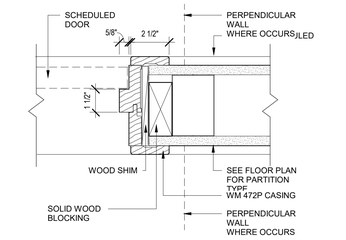
2 HOLLOW METAL HEAD
3" = 1'-0"



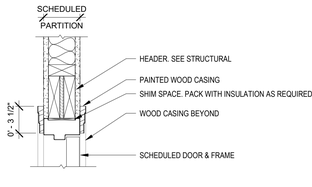
3 HOLLOW METAL JAMB
3" = 1'-0"



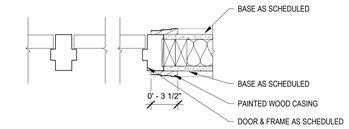
4 INTERIOR WOOD HEAD IN METAL STUD WALL
3" = 1'-0"



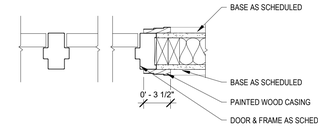
5 INTERIOR WOOD JAMB IN METAL STUD WALL
3" = 1'-0"



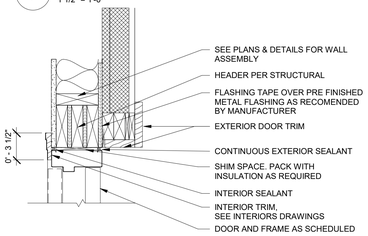
6 INT DOOR HEAD - HM FRAME
1 1/2" = 1'-0"



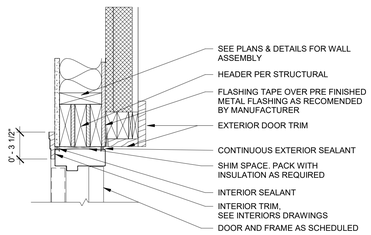
7 INT DOOR JAMB - HM FRAME
1 1/2" = 1'-0"



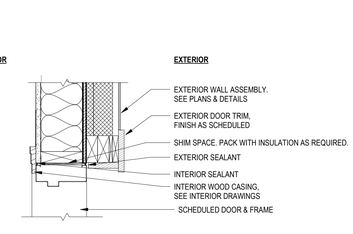
7A INT DOOR JAMB - HM FRAME WITH WOOD CASING
1 1/2" = 1'-0"



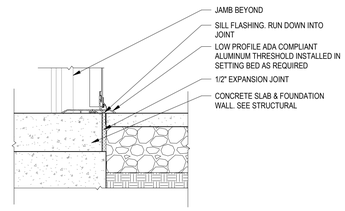
8 EXT - HM DOOR HEAD
1 1/2" = 1'-0"



9 EXT - HM DOOR JAMB AT STONE
1 1/2" = 1'-0"



10 EXT - HM DOOR JAMB AT SIDING
1 1/2" = 1'-0"



11 EXT - HM DOOR SILL
1 1/2" = 1'-0"

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REVISIONS

2 Addendum #2	08/03/2022
	DATE

DRAWING TITLE
Door Schedule, Types and Details

DRAWING INFORMATION

07/22/22 — DATE OF ISSUE
Construction Documents — DESCRIPTION
As indicated — SCALE; Author — DRAWN BY
3403.00 — PROJECT #; Pembroke — FILE NAME

DRAWING NUMBER
A600

V.2.1

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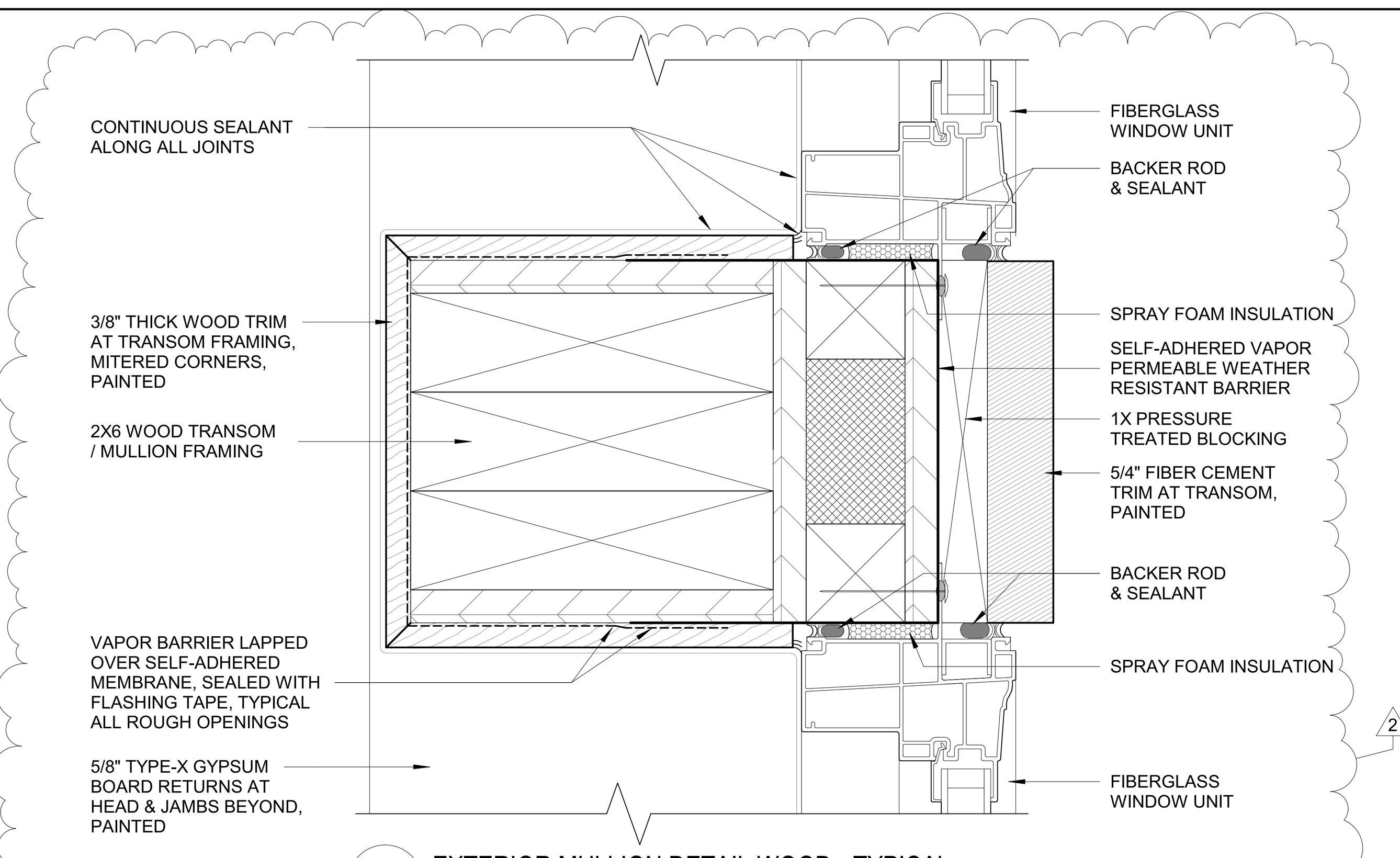
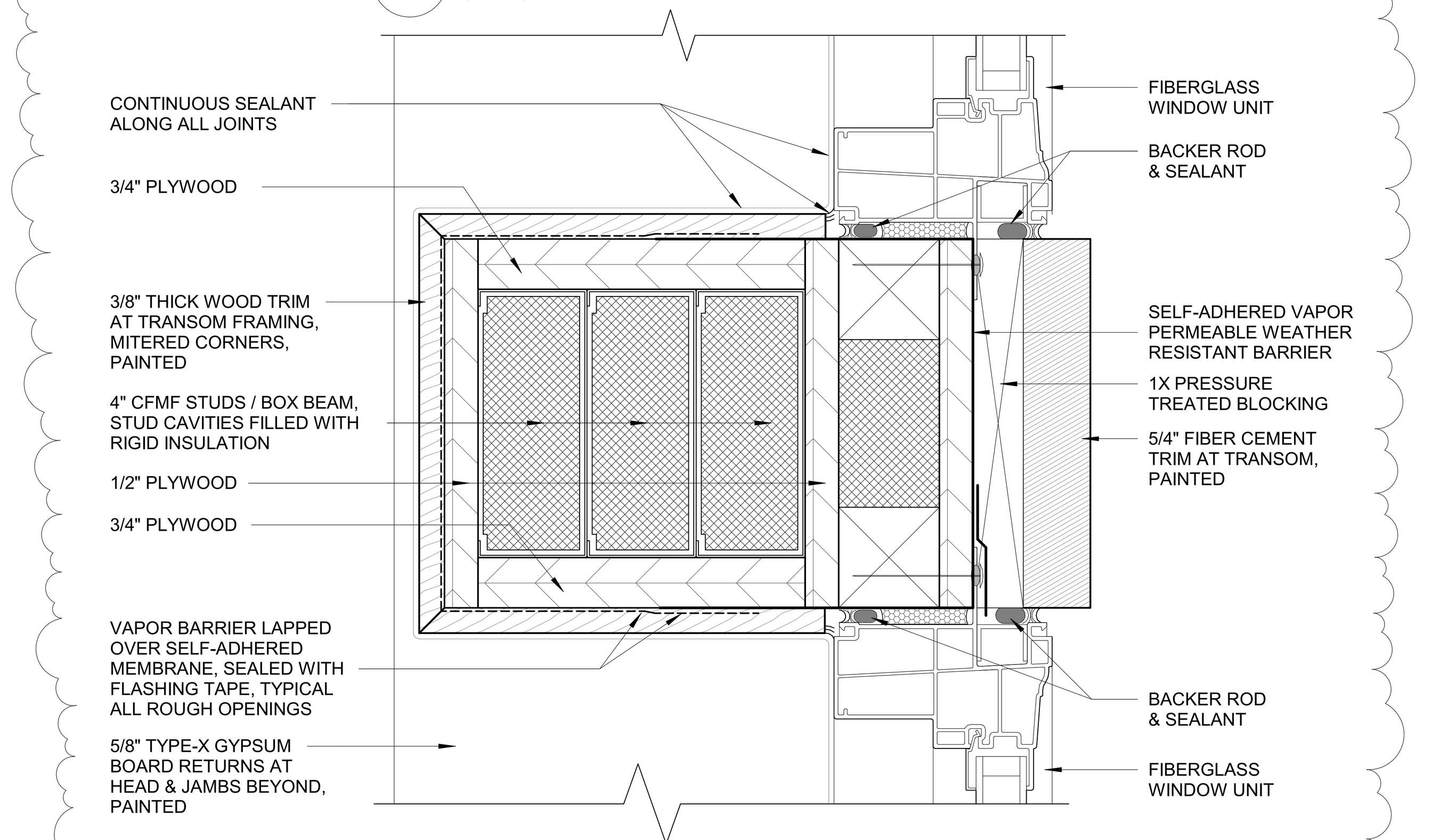
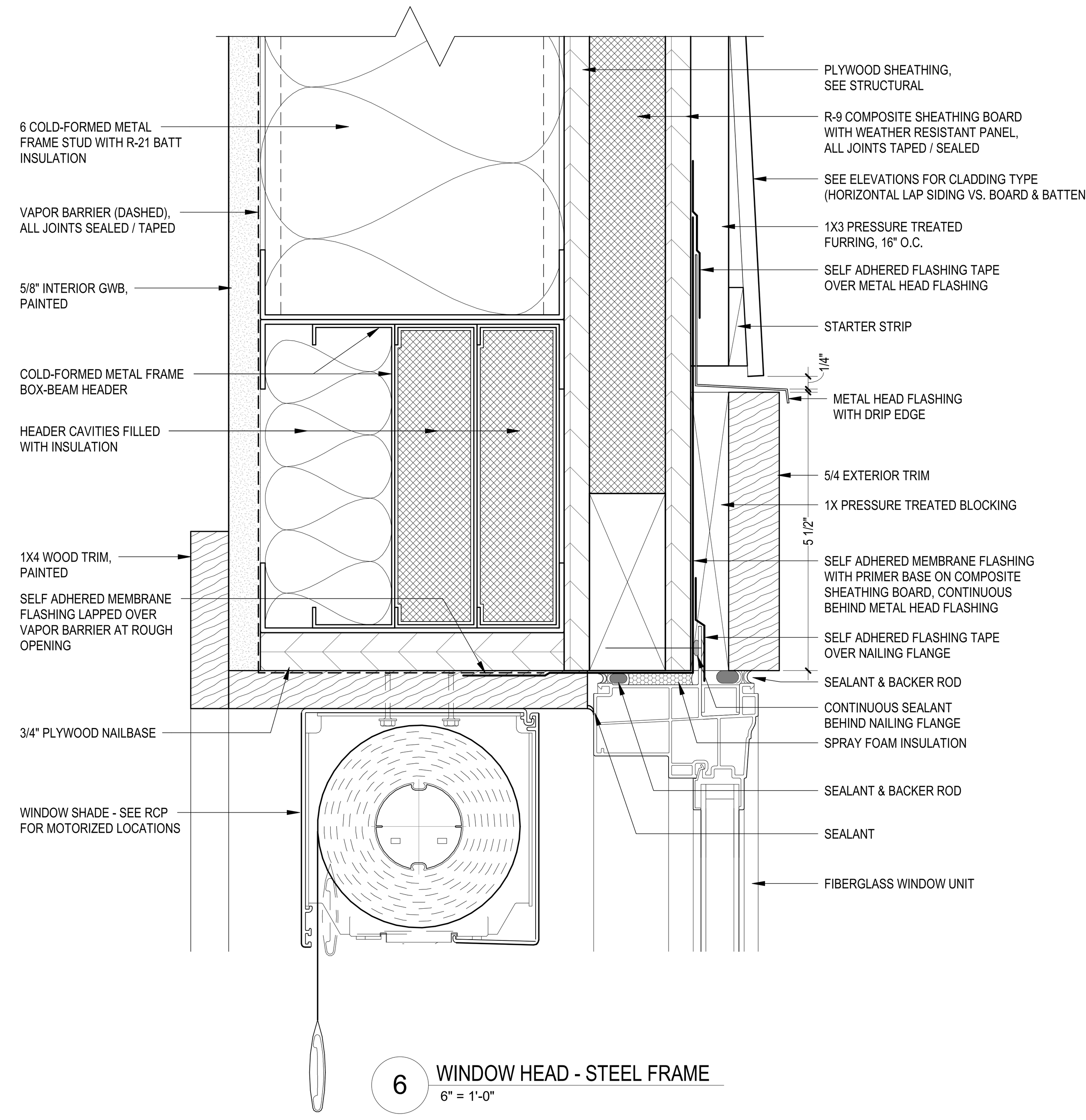


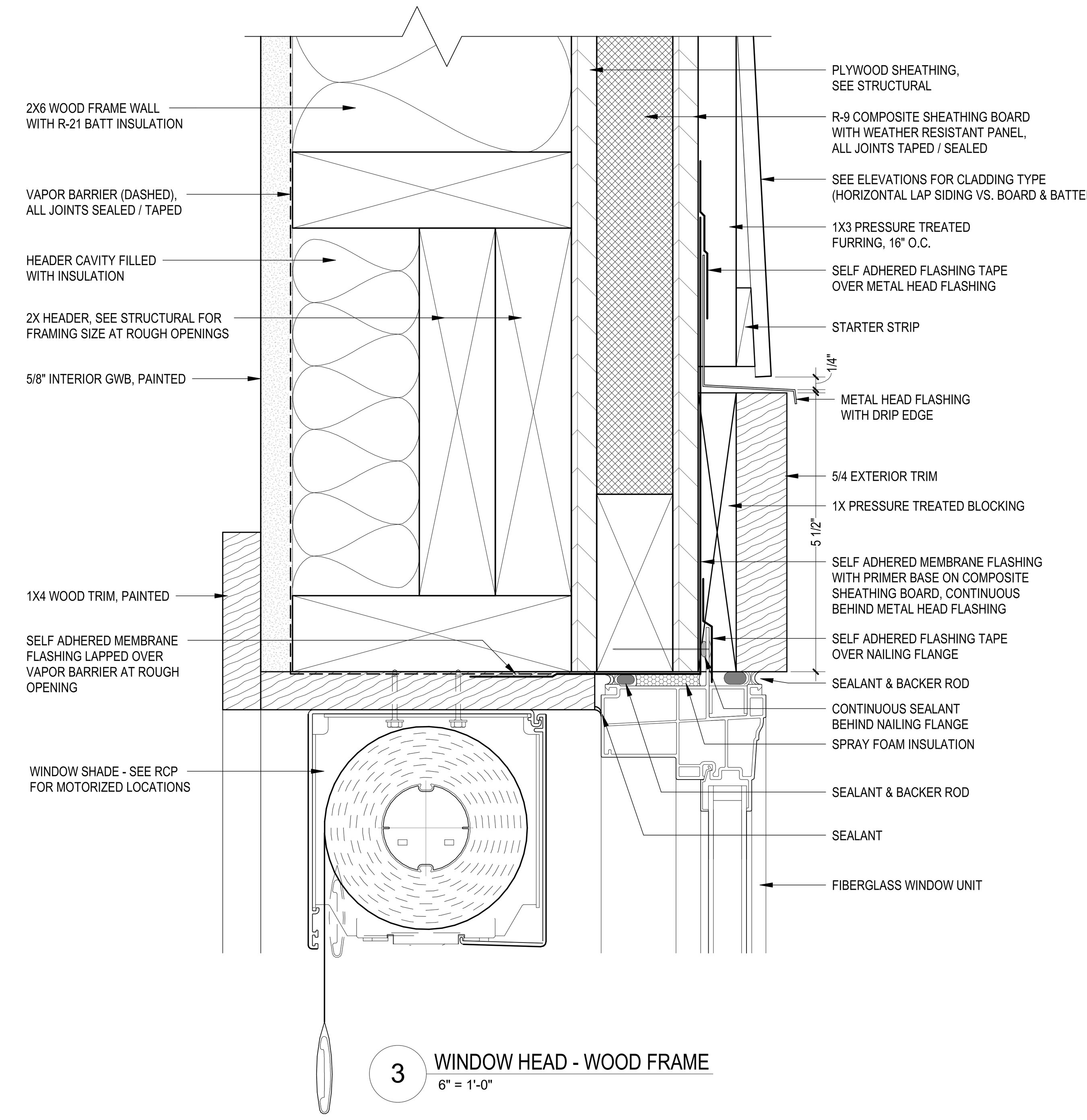
10 EXTERIOR MULLION DETAIL WOOD - TYPICAL
6" = 1'-0"



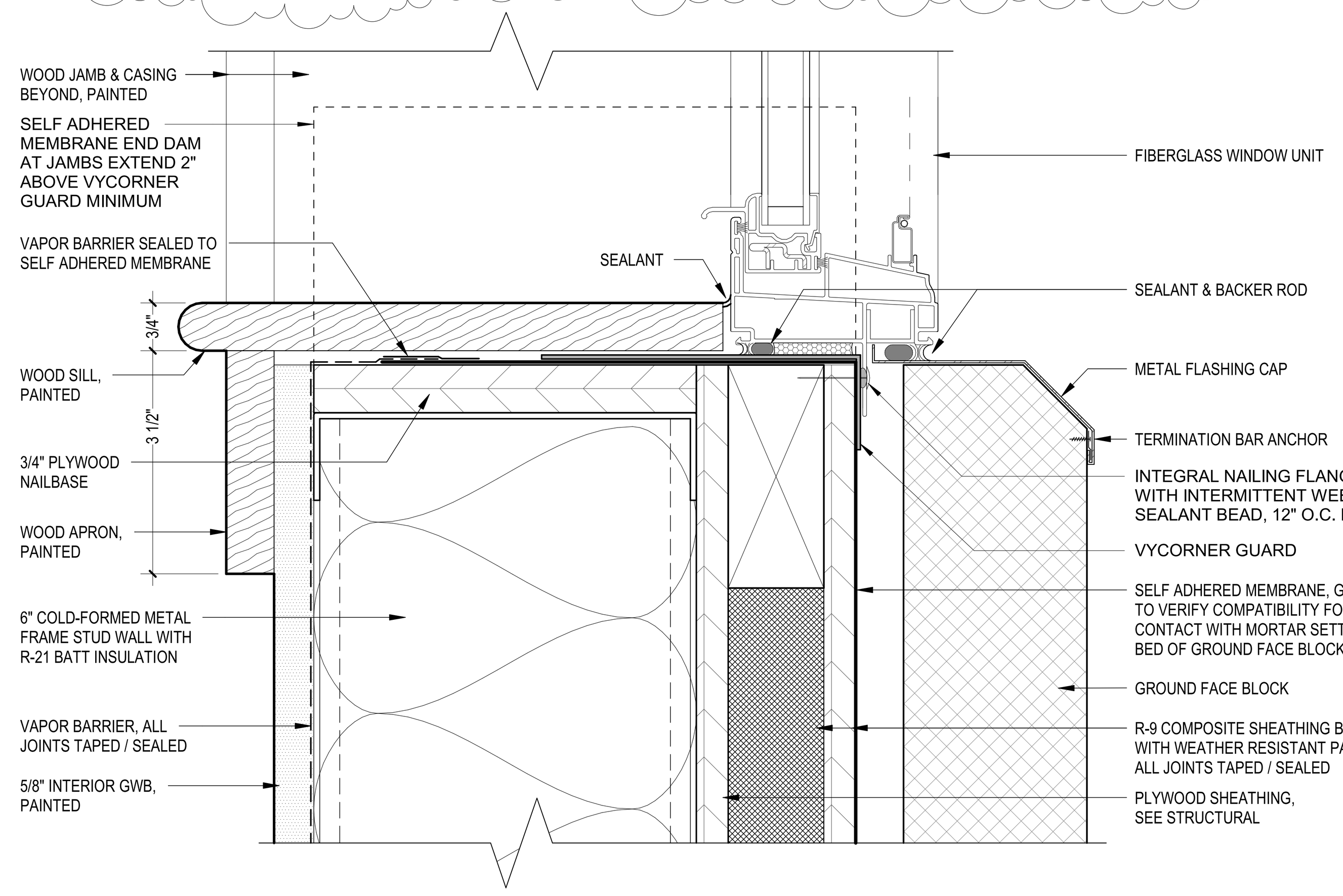
9 EXTERIOR MULLION / TRANSOM DETAIL METAL - TYPICAL
6" = 1'-0"



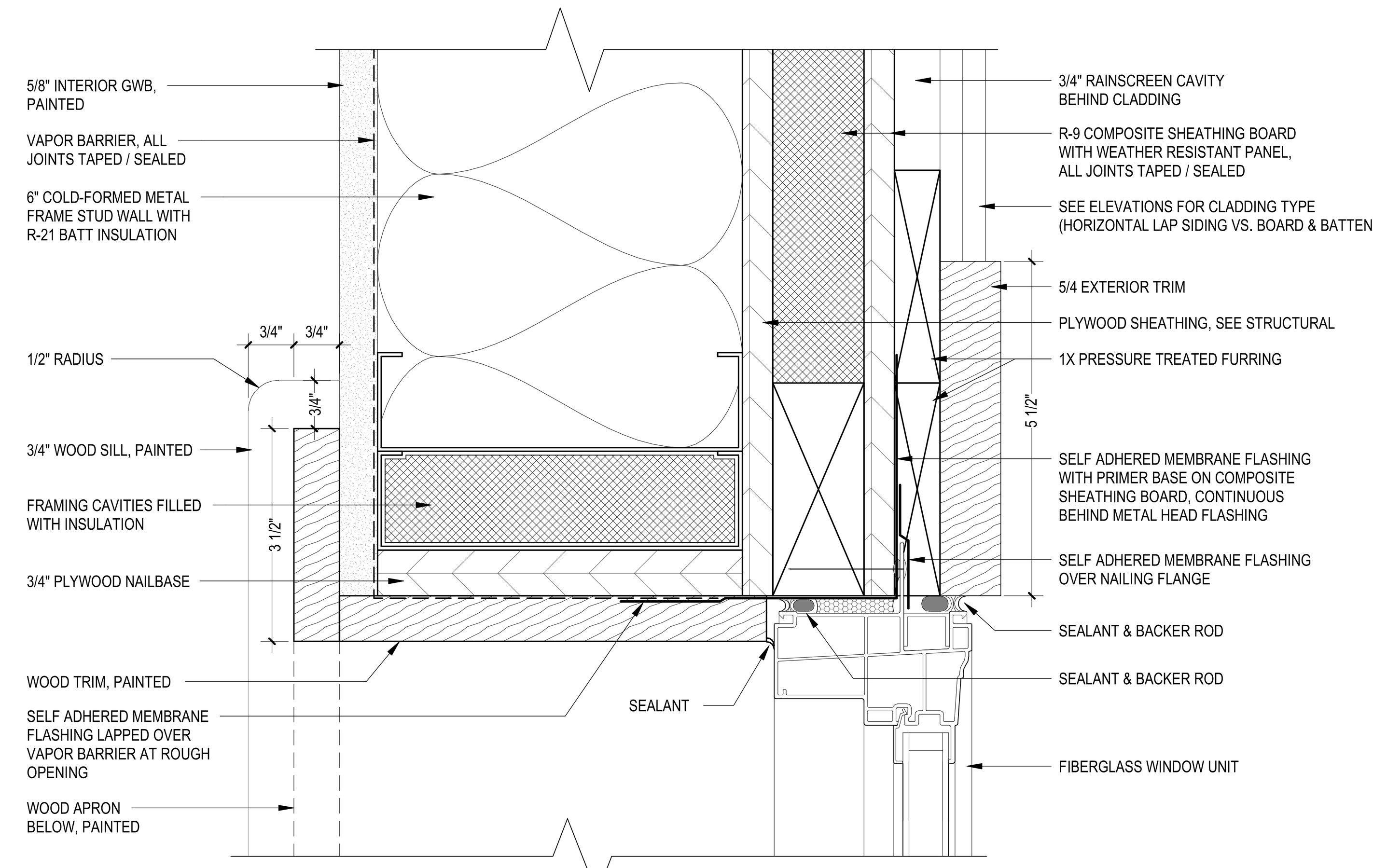
6 WINDOW HEAD - STEEL FRAME
6" = 1'-0"



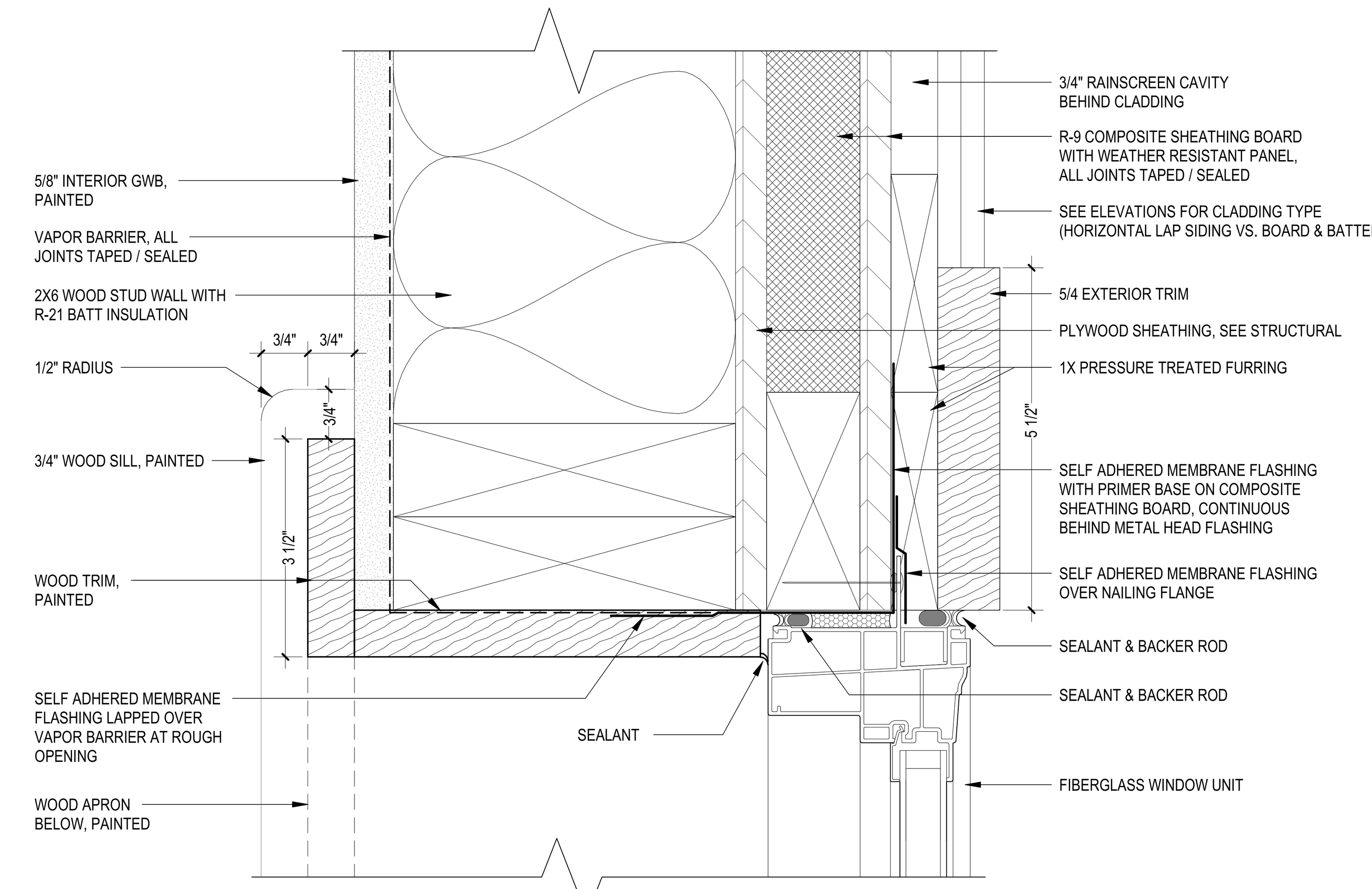
3 WINDOW HEAD - WOOD FRAME
6" = 1'-0"



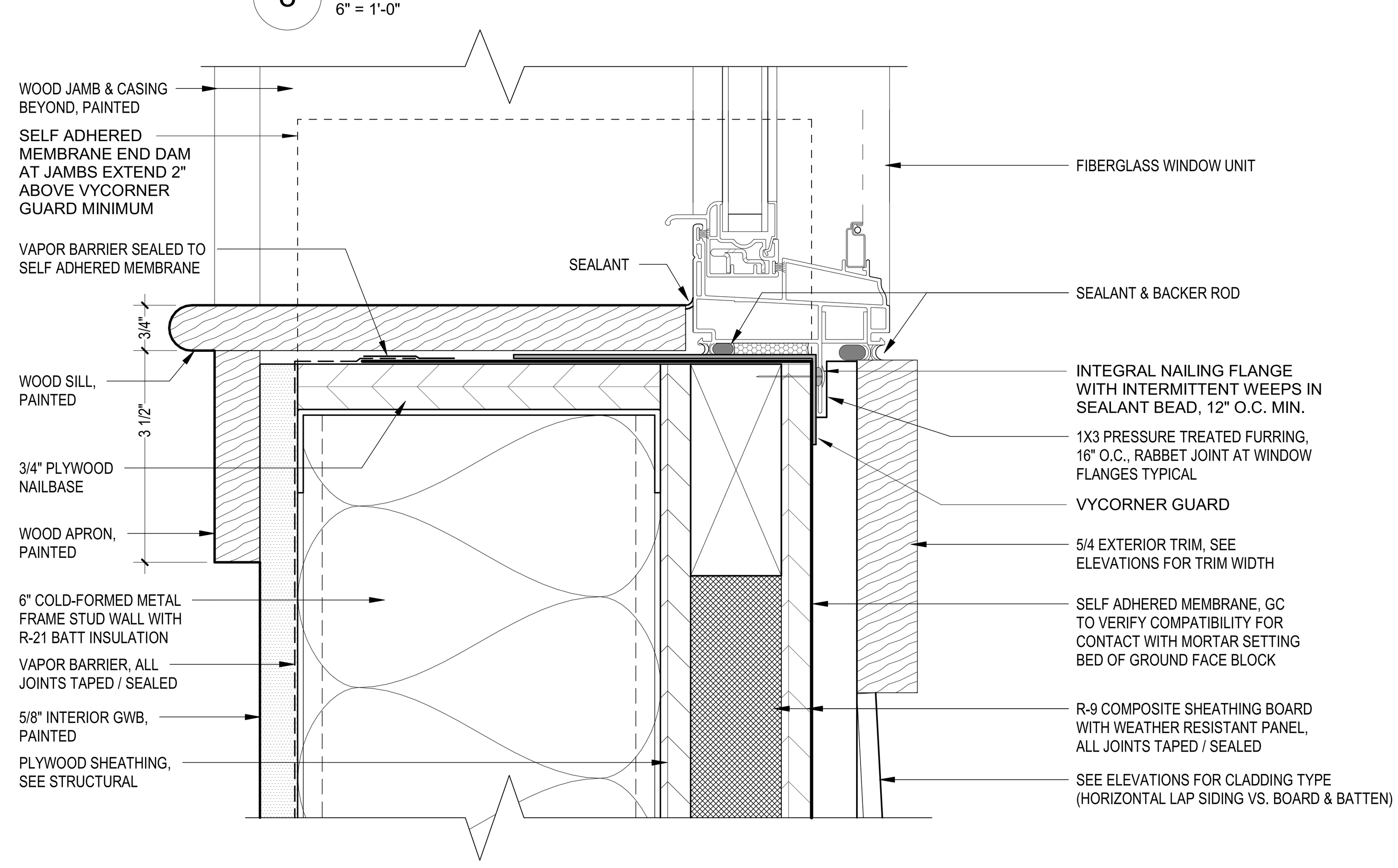
8 WINDOW SILL - STEEL FRAME AT GROUND FACE BLOCK
6" = 1'-0"



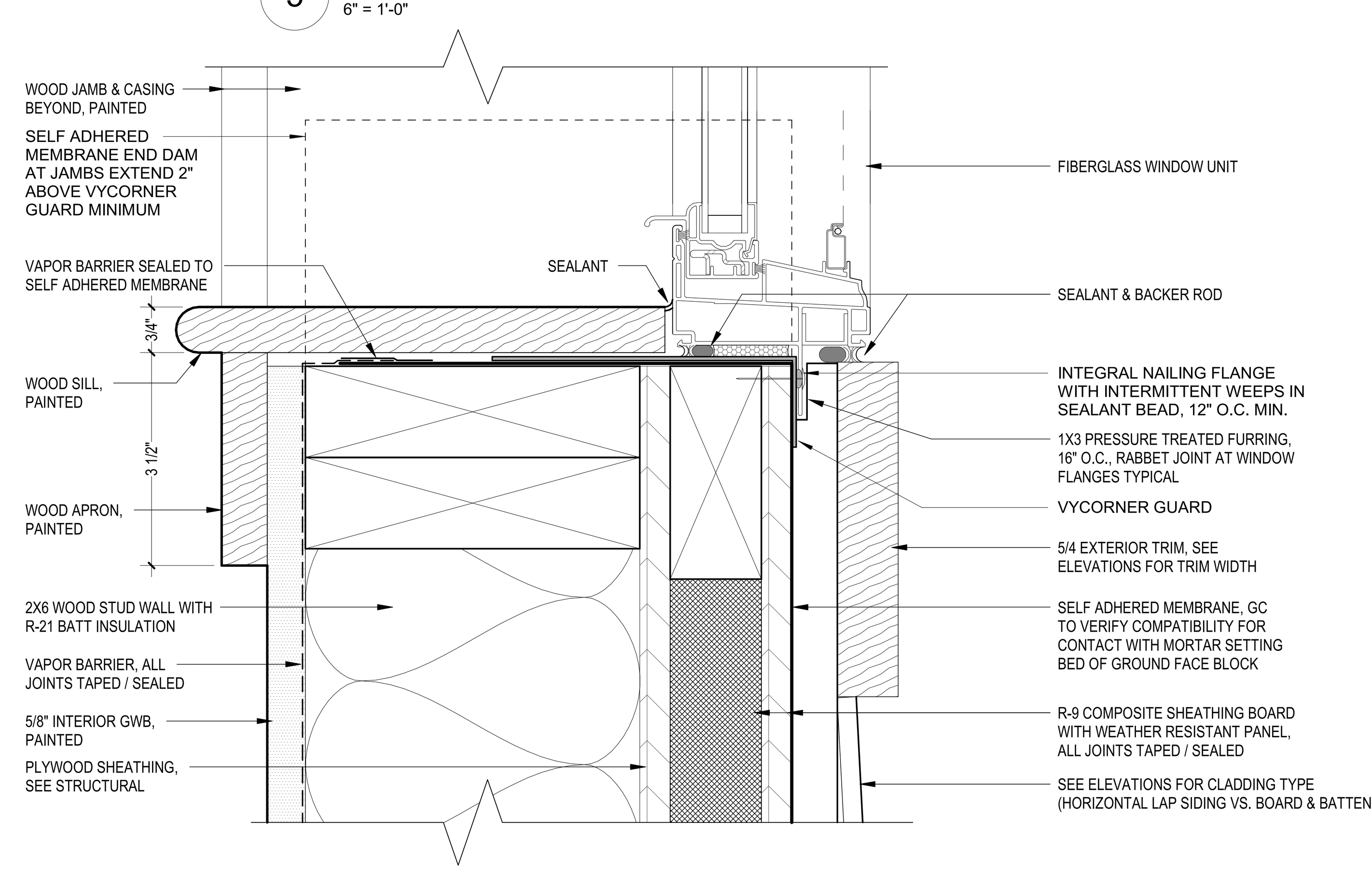
5 WINDOW JAMB - STEEL FRAME
6" = 1'-0"



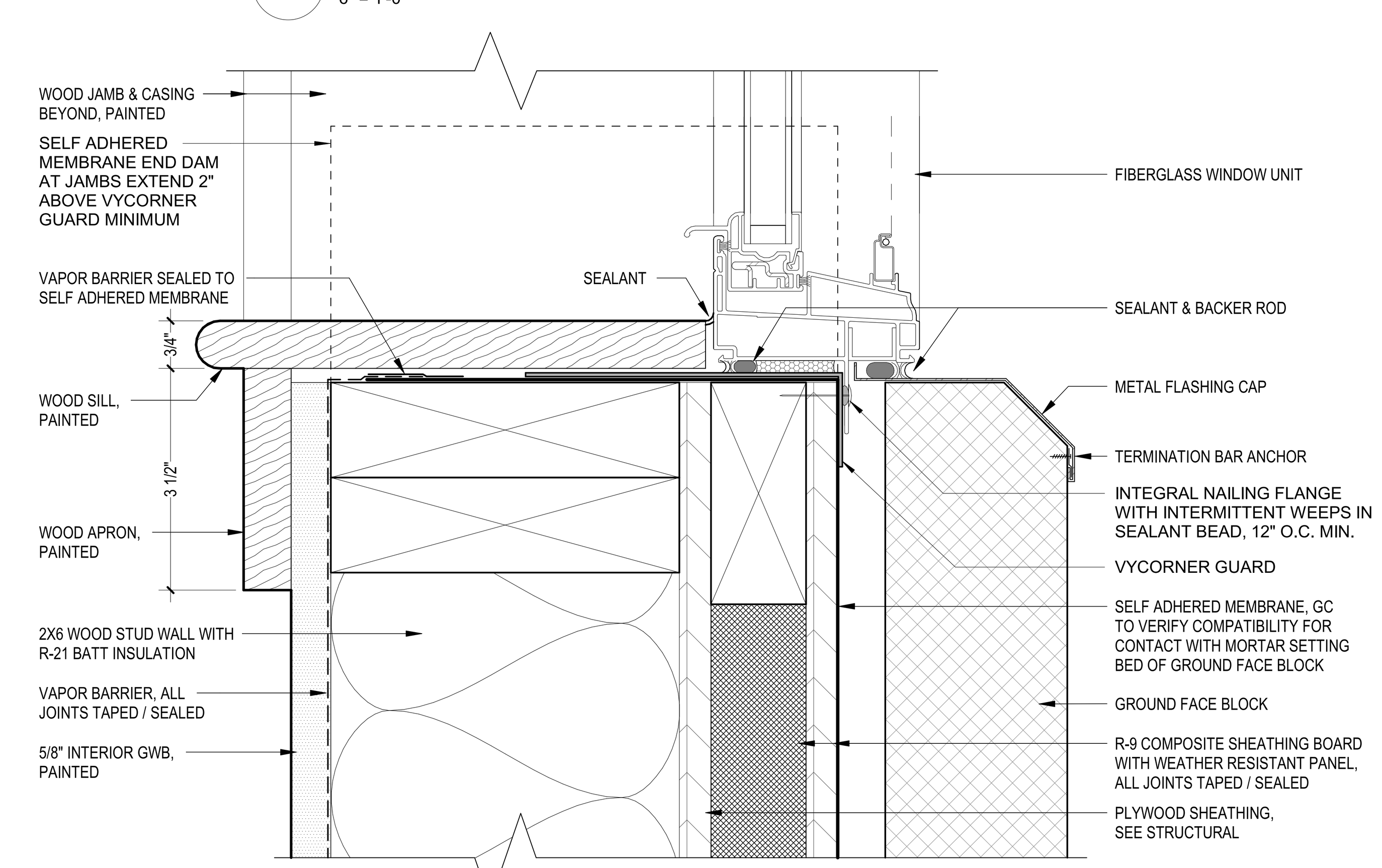
2 WINDOW JAMB - WOOD FRAME
6" = 1'-0"



7 WINDOW SILL - STEEL FRAME AT APRON
6" = 1'-0"



4 WINDOW SILL - WOOD FRAME AT APRON
6" = 1'-0"



1 WINDOW SILL - WOOD FRAME AT GROUND FACE BLOCK
6" = 1'-0"

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REVISIONS

2	Addendum #2	08/03/2022
		DATE

DRAWING TITLE
Enlarged Window Details

DRAWING INFORMATION

07/22/22
DATE OF ISSUE
Construction Documents
DESCRIPTION
6" = 1'-0" | GD
SCALE | DRAWN BY
3403.00 | Pembroke
PROJECT # | FILE NAME

DRAWING NUMBER
A601

V.2.1

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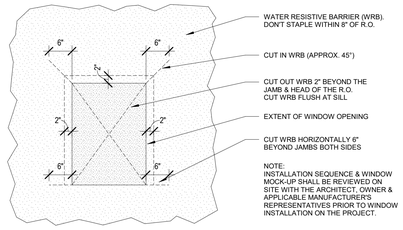
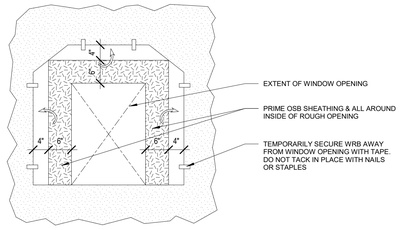


STEP 1

ALL SURFACES ARE TO BE CLEAN AND DRY

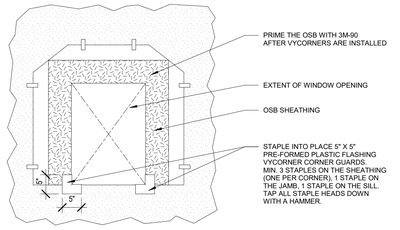
INSTALL WATER RESISTIVE BARRIER (WRB) OVER SHEATHING. FORM WATER SHEDDING LAPS & SECURE AROUND ROUGH OPENING WITH STAPLES 8" MIN. AWAY FROM ROUGH OPENING SO THAT THE WRB CAN BE FOLDED BACK FOR WINDOW INSTALLATION



STEP 2

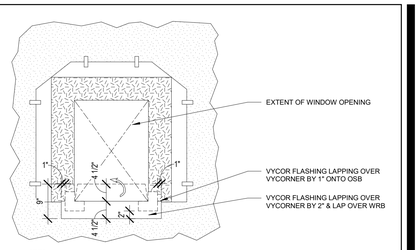
CUT WRB AT WINDOW OPENING 4" BEYOND THE ROUGH OPENING ON THE JAMS & HEAD. TEMPORARILY TAPE WRB INTO PLACE.

PRIME OSB TO ENSURE ADHESION OF VYCOR TO OSB - USE 3M HIGH STRENGTH 90 ADHESIVE IF THE AIR TEMP IS BELOW 40 DEGREES, OR MFRS STANDARD PRIMER IF AIR TEMP IS ABOVE 40 DEGREES.



STEP 3

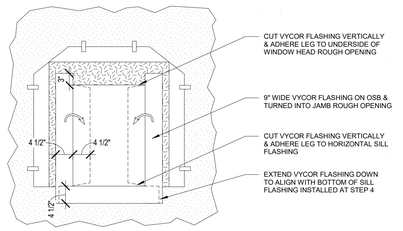
INSTALL "VYCORNER" CORNER GUARDS AT BOTH SILL CORNERS WITH STAPLES OR ROOFING NAILS PER MANUFACTURER'S INSTRUCTIONS.



STEP 4

INSTALL 9" WIDE STRIP OF VYCOR FLASHING AT THE SILL & LAP OVER THE VYCORNERS & WRB BELOW BY 2". FLASHING TO EXTEND BEYOND VYCORNERS BY 1" ONTO OSB AT SIDES.
CUT HORIZONTAL SLITS IN FLASHING AND FOLD FLASHING ONTO SILL ROUGH OPENING. THEN FOLD UP WINDOW JAMBS.

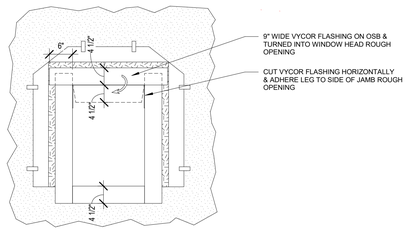
RUB VYCOR FLASHING SMOOTH WITH CRAFT BACKING PAPER TO ENSURE COMPLETE BOND.



STEP 5

INSTALL 9" VYCOR FLASHING AT EACH JAMB SO THAT 4 1/2" CAN BE CUT VERTICALLY & FOLDED INTO THE JAMB. EXTEND THE FLASHING 3" BEYOND THE ROUGH OPENING AT THE SILL & HEAD.

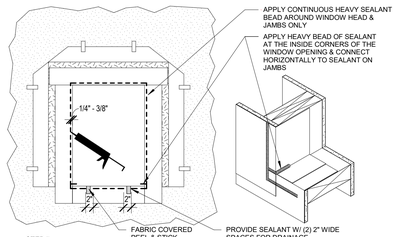
RUB VYCOR FLASHING SMOOTH WITH CRAFT BACKING PAPER TO ENSURE COMPLETE BOND.



STEP 6

INSTALL 9" VYCOR FLASHING WINDOW HEAD SO THAT 4 1/2" CAN BE CUT HORIZONTALLY & FOLDED INTO THE JAMBS. EXTEND THE FLASHING 6" BEYOND THE ROUGH OPENING AT THE HEAD TO OVERLAP THE VERTICAL JAMB FLASHING.

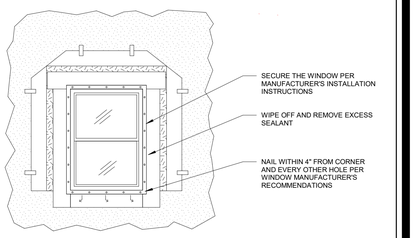
RUB VYCOR FLASHING SMOOTH WITH CRAFT BACKING PAPER TO ENSURE COMPLETE BOND.



STEP 7

APPLY A HEAVY BEAD OF PROTECTO URETHANE SEALANT ONTO THE VYCOR FLASHING 1/4" FROM THE ROUGH OPENING UP THE JAMBS & ACROSS THE HEAD. PROVIDE SEALANT W/ (2) 2" WIDE SPACES FOR DRAINAGE.

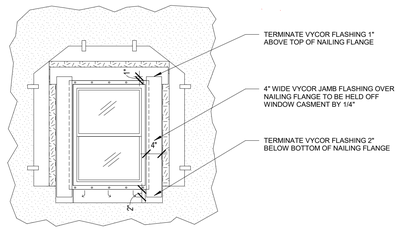
APPLY HEAVY BEAD OF SEALANT AT THE INSIDE CORNERS OF THE SILL ROUGH OPENING BY 3" & CONNECT THIS SEALANT TO THE VERTICAL JAMB SEALANT WITH A HORIZONTAL BEAD.



STEP 8

INSERT WINDOW INTO ROUGH OPENING & CENTER BETWEEN JAMBS. MAINTAIN A MAXIMUM 1/4" GAP BETWEEN THE BOTTOM OF THE WINDOW & THE SILL ROUGH OPENING.

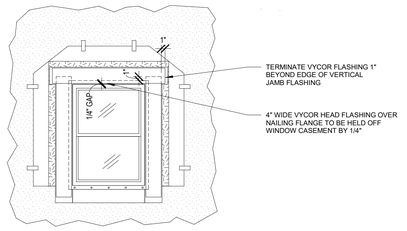
SECURE THE WINDOW TO THE WALL PER MANUFACTUER'S INSTALLATION INSTRUCTIONS.



STEP 9

INSTALL 4" WIDE VYCOR FLASHING AT BOTH JAMBS & RUB VYCOR FLASHING SMOOTH WITH CRAFT BACKING PAPER TO ENSURE COMPLETE BOND. TERMINATE JAMB FLASHING 1" ABOVE & 2" BELOW WINDOW NAILING FLANGE.

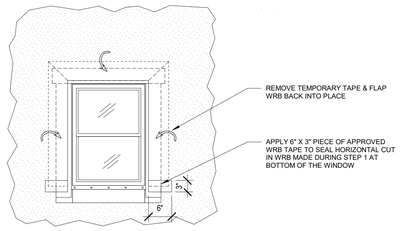
HOLD FLASHING 1/4" OFF WINDOW CASEMENT ALL AROUND.



STEP 10

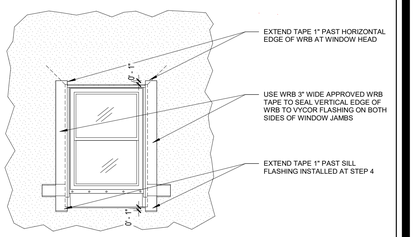
INSTALL 4" WIDE VYCOR FLASHING AT WINDOW HEAD & RUB VYCOR FLASHING SMOOTH WITH CRAFT BACKING PAPER TO ENSURE COMPLETE BOND. TERMINATE HEAD FLASHING 1" BEYOND EDGE OF VERTICAL JAMB FLASHING EACH SIDE OF WINDOW.

HOLD FLASHING 1/4" OFF WINDOW CASEMENT ALL AROUND.



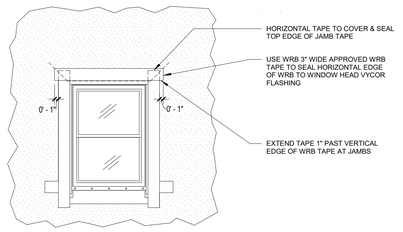
STEP 11

REMOVE TEMPORARY TAPE & FLAP WRB BACK OVER VYCOR FLASHING. USING WRB MFR APPROVED TAPE, TAPE THE BOTTOM HORIZONTAL CUTS IN THE WRB.



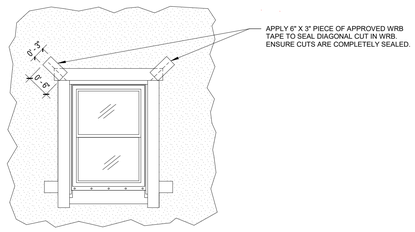
STEP 12

USING 3" WIDE WRB MFR APPROVED TAPE, TAPE THE VERTICAL JAMBS OF THE WRB TO THE VYCOR FLASHING. EXTEND THE TAPE 1" BELOW HORIZONTAL TAPE APPLIED DURING STEP 11, & BY 1" ABOVE WRB AT WINDOW HEAD.



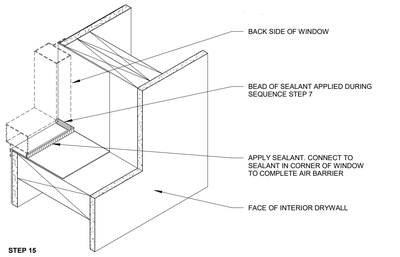
STEP 13

USING WRB MFR APPROVED TAPE, TAPE THE HORIZONTAL EDGE OF THE WRB AT THE WINDOW HEAD. TAPE TO EXTEND 1" BEYOND THE TAPE APPLIED TO THE JAMBS DURING STEP 12 & LAP OVER TOP EDGE OF JAMB TAPE ONTO WRB.



STEP 14

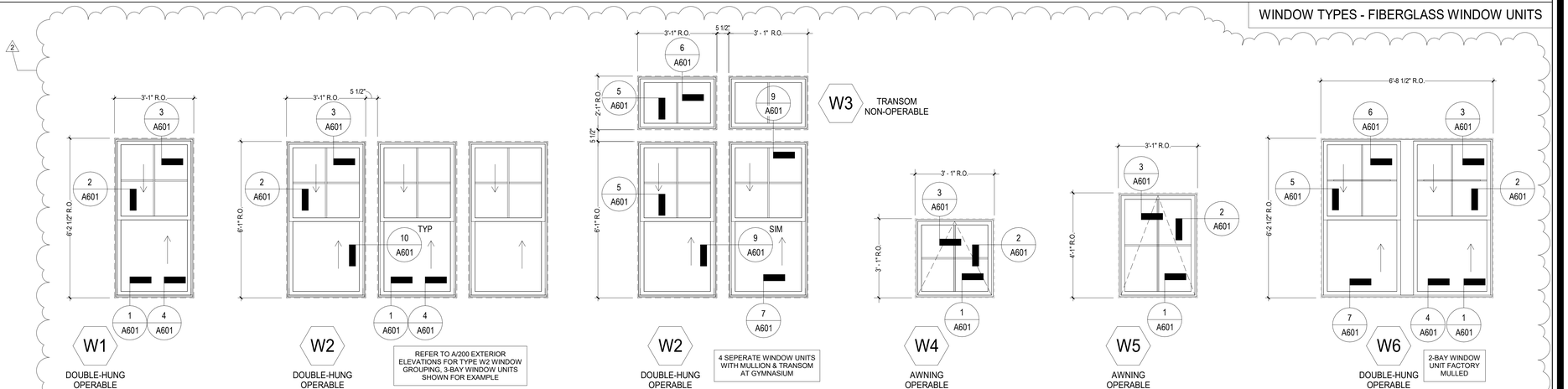
USING WRB MFR APPROVED TAPE, TAPE THE DIAGONAL CUTS IN THE WRB.



STEP 15

AFTER WINDOW INSTALLATION, PROVIDE SEALANT & BACKER ROD ALONG BOTTOM EDGE OF THE INSIDE FACE OF THE WINDOW FRAME. SEALANT TO CONNECT WITH SEALANT AT WINDOW CORNERS INSTALLED DURING STEP 7 TO COMPLETE THE WINDOW AIR BARRIER.

WINDOW TYPES - FIBERGLASS WINDOW UNITS



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REVISIONS

	DATE
2 Addendum #2	08/03/2022

DRAWING TITLE
Window Types & Flashing Sequence

DRAWING INFORMATION

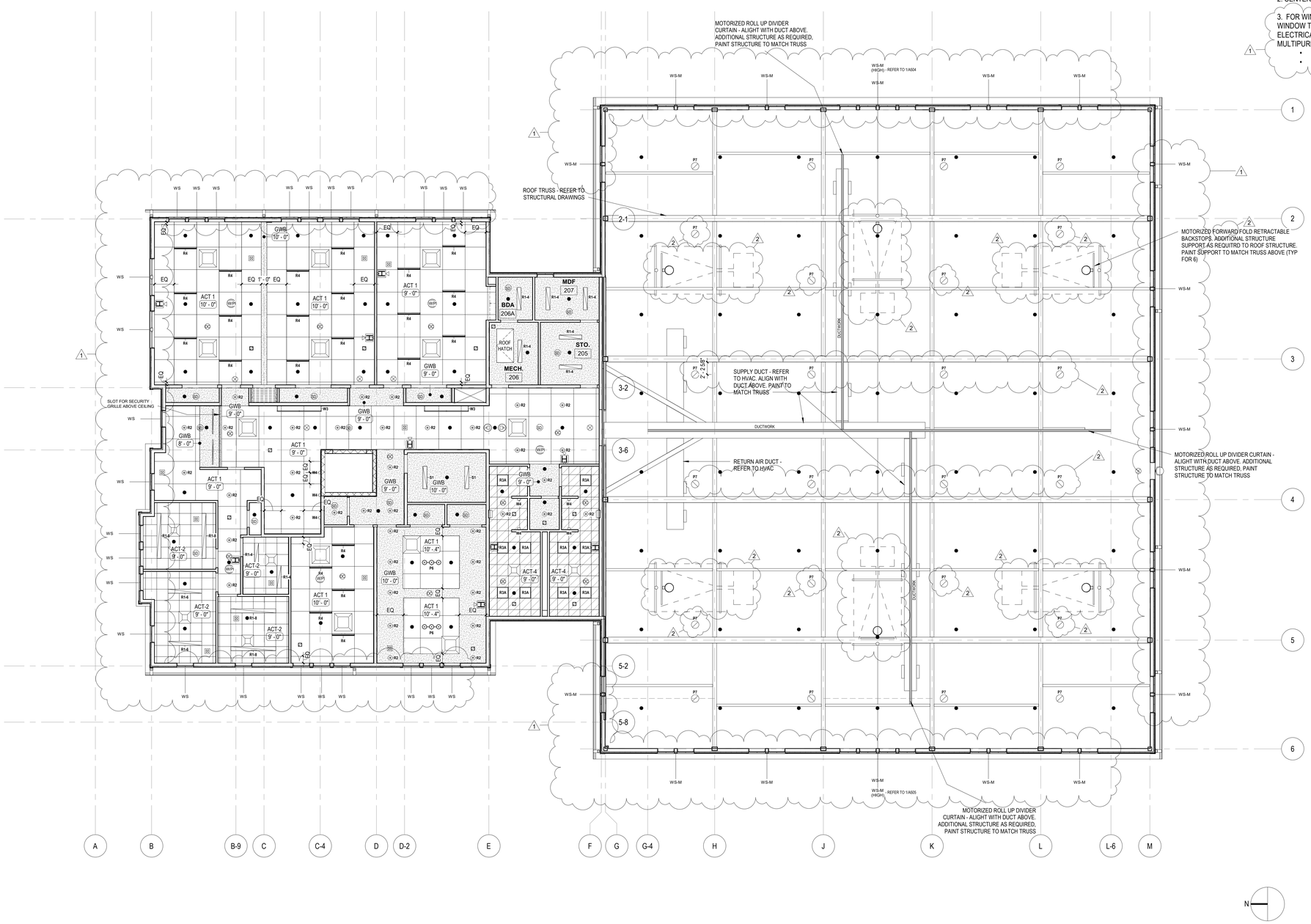
07/22/22 DATE OF ISSUE
Construction Documents DESCRIPTION
As indicated SCALE
Author DRAWN BY
3403.00 PROJECT #
Pembroke FILE NAME

DRAWING NUMBER
A602

 V.2.1

NOTE:

1. REFER TO ELECTRICAL DRAWINGS FOR LIGHTING FIXTURES SPECIFICATIONS
2. CENTER DEVICES WITHIN CENTER OF CEILING TILES
3. FOR WINDOW SHADES REFER TO A600 AND A601, WINDOW TYPES AND DETAILS. REFER ALSO TO ELECTRICAL FOR POWER ZONES AT GYM AND MULTIPURPOSE ROOM.
   - **WS - MANUAL SHADE**
   - **WS-M = MOTORIZED SHADE**



REFLECTED CEILING PLAN LEGEND

LIGHTING

- R1 — RECESSED LINEAR FIXTURE
- R2 — RECESSED DOWNLIGHT
- R3A — 2' X 2' RECESSED DOWN LIGHT / PENDANT IN ACOUSTIC CEILING TILE
- R4 — 4' X 4' RECESSED JLC LINEAR FIXTURE IN ACOUSTIC CEILING TILE
- S1 — SURFACE MOUNTED ROUND LIGHT
- P1 — FEATURE ROUND PENDANT 36"
- P2 — FEATURE SQUARE PENDANT 2x2
- P1 — FEATURE ROUND PENDANT 36"
- P3 — LINEAR PENDANT
- P4 — HEMERA LUXOR PENDANT
- P5 — POOL TABLE PENDANT
- P7 — GYM HI-BAY PENDANT
- L1 — LINEAR COVE LIGHT
- W1 — UP/DOWN EXTERIOR WALL LIGHT
- W2 — FARMHOUSE STYLE EXTERIOR WALL LIGHT
- W3 — LINEAR WALL SCONCE
- W4 — RECTANGULAR WALL SCONCE
- W5 — EXTERIOR KIPP WALL LIGHT

MISCELLANEOUS & FIRE PROTECTION

- SMOKE DETECTOR
- EXIT SIGN
- FIRE ALARM & STROBE
- OCCUPANCY SENSOR
- CEILING-MOUNTED PROJECTOR
- CEILING-MOUNTED PROJECTOR SCREEN
- SPEAKER
- WIRELESS ACCESS POINT
- SECURITY CAMERA
- 2' X 2' CEILING CASSETTE
- 3' X 3' CEILING CASSETTE
- ACCESS PANEL
- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD
- CEILING MOUNTED HEATER
- KITCHEN EXHAUST HOOD

FINISH MATERIAL

- ACT-1: 4' X 4' ACOUSTIC CEILING TILE
- ACT-2: 2' X 2' ACOUSTIC CEILING TILE
- ACT-3: 2' X 2' ACOUSTIC CEILING TILE IN KITCHEN SPACES
- ACT-4: 2' X 2' ACOUSTIC CEILING TILE IN WCs
- GWB 1
- GWB 2
- SFT 1
- SFT 2

RCP LEGEND
1/8" = 1'-0"

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CLIENT
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REVISIONS

1	Addendum #1	07/29/2022
2	Addendum #2	08/03/2022

DATE

DRAWING TITLE
Second Floor Reflected Ceiling Plan

DRAWING INFORMATION

07/22/22 — DATE OF ISSUE
Construction Documents — DESCRIPTION
1/8" = 1'-0" — SCALE
GK — DRAWN BY
3403.00 — PROJECT #
Pembroke — FILE NAME

DRAWING NUMBER
A802

V.2.1

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8/3/2022 4:21:59 PM GK

GENERAL

G1. THE GENERAL NOTES APPLY UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS.

G2. STRUCTURAL WORK SHALL CONFORM TO REQUIREMENTS OF THE "MASSACHUSETTS STATE BUILDING CODE" 780 CMR, NINTH EDITION AND ALL AMENDMENTS.

G3. THE INTENT OF THE STRUCTURAL DRAWINGS IS TO SHOW THE MAIN STRUCTURAL FEATURES AND DESIGN FOR THE COMPLETED PROJECT. ARCHITECTURAL DETAILS AND OTHER COMPONENTS THAT MAY BE NECESSARY TO CONSTRUCT THE PROJECT ARE SHOWN INCIDENTALLY ONLY AND NOT COMPLETELY.

G4. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, SITE, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS, APPROVED SHOP DRAWINGS, AND SPECIFICATIONS.

G5. REFER TO ARCHITECTURAL, SITE, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR VERIFICATION OF LOCATIONS AND DIMENSIONS OF ALL SHAFTS, INSERTS, CURBS, OPENINGS, SLEEVES, ANCHOR BOLTS, FLOOR PITCHES, ANGLE FRAMES, AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.

G6. THE CONTRACTOR SHALL INFORM THE ARCHITECT OF ALL DISCREPANCIES BETWEEN DRAWINGS OF DIFFERENT TRADES PRIOR TO INITIATION OF ANY WORK.

G7. EXISTING DIMENSIONS AND CONDITIONS MUST BE VERIFIED OR DETERMINED IN THE FIELD AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.

G8. THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY ENGINEERED TEMPORARY BRACING AND SHORING TO SAFELY SUPPORT THE NEW AND EXISTING WORK AND THE APPLIED LOADS UNTIL THE PERMANENT STRUCTURE IS FULLY INSTALLED AND AT FULL STRENGTH.

G9. SHOP DRAWINGS FOR REINFORCING STEEL, STRUCTURAL STEEL, STEEL DECK AND PREFABRICATED WOOD TRUSSES SHALL BE SUBMITTED TO THE ARCHITECT AND A STAMPED APPROVAL RECEIVED BEFORE FABRICATION MAY PROCEED. FABRICATION AND ERECTION SHALL PROCEED FROM APPROVED SHOP DRAWINGS ONLY.

G10. NOTES AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS, UNLESS NOTED.

G11. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

G12. THE CONTRACTOR SHALL SUBMIT LOADING DATA FOR ANY EQUIPMENT SUCH AS LIFTS, ETC. PROPOSED FOR USE ON THE BUILDING DURING CONSTRUCTION.

G13. BUILDING CONSTRUCTION TYPE IS IIIB, FLOOR AND ROOF CONSTRUCTION ARE TO BE CONSIDERED RESTRAINED.

STRUCTURAL LOADS - MASSACHUSETTS STATE BUILDING CODE (780 CMR) - NINTH EDITION (I.B.C. 2015 WITH MASSACHUSETTS AMENDMENTS)

L1. DEAD LOADS
- A. WEIGHT OF BUILDING COMPONENTS
  - 1. TYPICAL FLOOR — 30 PSF
  - 2. SUSPENDED TRACK IN GYMNASIUM — 75 PSF
  - 3. TYPICAL ROOF AREAS — 25 PSF
  - 4. GYMNASIUM ROOF (INCLUDING FUTURE PV ALLOWANCE) — 45 PSF
- B. TYPICAL PARTITIONS ALLOWANCE - (I.B.C. - SECTION 1607.5) — 15 PSF

L2. SNOW LOADS
- A. GROUND SNOW LOAD - (MA TABLE 1604.11) — P_g = 30 PSF
- B. SNOW IMPORTANCE FACTOR - (ASCE 7-10 - TABLE 1.5-2) — I_s = 1.0
- C. EXPOSURE FACTOR - (ASCE 7-10 - TABLE 7-2) — C_e = 1.0
- D. THERMAL FACTOR - (ASCE 7-10 - TABLE 7-3) — C_t = 1.1
- E. FLAT ROOF SNOW LOAD - (ASCE 7-10 - SECTION 7.3) — P_f = 30 PSF
- F. ROOF SLOPE FACTOR - (ASCE 7-10 - FIGURE 7-2) — C_s = 1.0
- G. SLOPED ROOF SNOW LOAD (ASCE 7-10 - SECTION 7.4) — P_s = 21 PSF
- H. UNBALANCED SNOW LOAD (ASCE 7-10 - SECTION 7.6) — 40 PSF OVER 9 FEET WIDTH ALONG RIDGE
- I. SLIDING SNOW LOAD ON LOWER ROOF AREAS (ASCE 7-10 - SECTION 7.9) — 70 PSF
- J. SNOW DRIFT - (ASCE 7-10 - FIGURES 7-7, 7-8 & 7-9)

L3. LIVE LOADS
- A. LOADS (I.B.C. - TABLE 1607.1)
  - 1. OFFICES — 65 PSF (INCLUDING PARTITION ALLOWANCE)
  - 2. CORRIDORS ABOVE THE FIRST FLOOR — 80 PSF
  - 3. STAIRS — 100 PSF
  - 4. GYMNASIUM AND OPEN PLAN AREAS — 100 PSF
  - 5. STORAGE — 125 PSF
  - 6. MECHANICAL EQUIPMENT ROOMS — 150 PSF (100PSF+50PSF EQUIPMENT PADS)
- B. LIVE LOAD REDUCTION (I.B.C. - SECTION 1607.10)
- C. CONSTRUCTION LOADS
  - 1. UNIFORM LOAD (STEEL DECK) — 20 PSF
  - 2. CONCENTRATED LOAD (BARE STEEL DECK) — 150 PLF (PERPENDICULAR TO DECK SPAN)
  - 3. CONCENTRATED LOAD (SLABS ON COMPOSITE DECK) — 1500 LBS. MAX WHEEL LOAD

L4. WIND LOADS

NOTE: PER ASCE 7-10 AND 2015 IBC, THE DESIGN WIND PRESSURES LISTED BELOW REFLECT ULTIMATE STRENGTH VALUES. PER IBC SECTION 1605.4, ASD LOAD COMBINATIONS NOW INCLUDE A 0.6 FACTOR FOR WIND LOADING

- A. WIND LOAD PARAMETERS (ASCE 7-10 - CHAPTER 26)
  - 1. RISK CATEGORY (IBC 2015 - TABLE 1604.5) — CATEGORY II
  - 2. ULTIMATE DESIGN WIND SPEED (MA TABLE 1604.11) — V_{ult} = 134 MPH
  - 3. NOMINAL DESIGN WIND SPEED (IBC 2015 - EQUATION 16-33) — V_{asd} = 104 MPH
  - 4. WIND DIRECTIONALITY FACTOR (ASCE 7-10 - TABLE 26.6-1 — K_d = 0.85
  - 5. WIND EXPOSURE CATEGORY (ASCE 7-10 - SECTION 26.7) — EXPOSURE C
  - 6. TOPOGRAPHIC FACTOR (ASCE 7-10 - FIGURE 26.8-1) — K_{zt} = 1.0
  - 7. ENCLOSURE CLASSIFICATION (ASCE 7-10 - SECTION 26.10) — ENCLOSED
  - 8. INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 - TABLE 26.11-1) — GC_{pi} = ± 0.18
  - 9. VELOCITY PRESSURE COEFFICIENT (ASCE 7-10 - TABLE 28.3-1) — K_h = 1.03
  - 10. VELOCITY PRESSURE (ASCE 7-10 - EQUATION 28.3-1) — q_h = 40.11 PSF
- B. COMPONENTS AND CLADDING (ASCE 7-10 - CHAPTER 30, PART 1: LOW-RISE BUILDINGS)
  - 1. EFFECTIVE WIND AREA (ASCE 7-10 - FIGURE 30.4-1) — Aeff ≤ 10 SQ. FT.
  - 2. WIDTH OF SALIENT ZONE — a = 9 FEET
  - 3. NET DESIGN WIND PRESSURES (ASCE 7-10 - EQUATION 30.4-1)
    - a. WALL ELEMENTS
      - i. AT A NON-SALIENT AREA — p_{net} = +43 PSF / -47 PSF
      - ii. AT A SALIENT CORNER — p_{net} = +43 PSF / -58 PSF
    - b. ROOF ELEMENTS
      - i. AT A NON-SALIENT AREA — p_{net} = +19 PSF / -47 PSF
      - ii. AT AN EDGE — p_{net} = +19 PSF / -79 PSF
      - iii. AT A SALIENT CORNER — p_{net} = +19 PSF / -120 PSF
    - c. OVERHANG ELEMENTS
      - i. AT AN EDGE — p_{net} = -75 PSF
      - ii. AT A SALIENT CORNER — p_{net} = -120 PSF

L5. SEISMIC LOAD CRITERIA - GENERAL
- A. SEISMIC OCCUPANCY CATEGORY - (ASCE 7-10 - TABLE 1.5-1) — RISK CATEGORY II
- B. MAPPED SPECTRAL ACCELERATION FOR SHORT PERIODS - (MA TABLE 1604.11) — S_S = 0.195g
- C. DESIGN SPECTRAL RESPONSE ACCELERATION FOR SHORT PERIODS — S_{DS} = 0.208
- D. MAPPED SPECTRAL ACCELERATION FOR 1-SECOND PERIOD - (MA TABLE 1604.11) — S_1 = 0.064
- E. DESIGN SPECTRAL RESPONSE ACCELERATION FOR 1-SECOND PERIOD — S_{D1} = 0.102
- F. SITE CLASS - REFER TO GEOTECHNICAL REPORT — SITE CLASS D
- G. SEISMIC DESIGN CATEGORY - (ASCE 7-10 - TABLES 11.6-1 & 11.6-2) — CATEGORY B
- H. SEISMIC IMPORTANCE FACE - (ASCE 7-10 - TABLE 11.5-1) — I_e = 1.0

SEISMIC LOADS - GYMNASIUM
- A. BASIC SEISMIC-FORCE-RESISTING SYSTEM - (ASCE 7-10 - TABLE 12.2-1) — STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
- B. RESPONSE MODIFICATION COEFFICIENT - (ASCE 7-10 - TABLE 12.2-1) — R = 3.0
- C. DEFLECTION AMPLIFICATION FACTOR - (ASCE 7-10 - TABLE 12.2-1) — C_d = 3.0
- D. SYSTEM OVERSTRENGTH FACTOR - (ASCE 7-10 -TABLE 12.2-1) — Ω_0 = 3.0
- E. SEISMIC RESPONSE COEFFICENT — C_s = 0.069
- F. DESIGN BASE SHEAR — V = 70 KIPS
- G. ANALYSIS PROCEDURE USED — EQUIVALENT LATERAL FORCE

SEISMIC LOADS - COMMUNITY CENTER
- A. BASIC SEISMIC-FORCE-RESISTING SYSTEM - (ASCE 7-10 - TABLE 12.2-1) — LIGHT-FRAME WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE
- A. RESPONSE MODIFICATION COEFFICIENT - (ASCE 7-10 - TABLE 12.2-1) — R = 6.5
- B. DEFLECTION AMPLIFICATION FACTOR - (ASCE 7-10 - TABLE 12.2-1) — C_d = 4.0
- C. SYSTEM OVERSTRENGTH FACTOR - (ASCE 7-10 -TABLE 12.2-1) — Ω_0 = 3.0
- D. SEISMIC RESPONSE COEFFICENT — C_s = 0.032
- E. DESIGN BASE SHEAR — V = 15 KIPS
- F. ANALYSIS PROCEDURE USED — EQUIVALENT LATERAL FORCE

CAST-IN-PLACE CONCRETE (SECTION 033000)

C1. CONCRETE WORK SHALL CONFORM TO THE LATEST "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)".

C2. CONCRETE SHALL BE PLACED IN THE PRESENCE OF THE APPROVED TESTING AGENCY.

C3. CONCRETE QUALITY IN ACCORDANCE WITH THE REQUIREMENTS OF THESE DRAWINGS AND SPECIFICATIONS IS ESSENTIAL TO THE STRUCTURAL PERFORMANCE OF THE BUILDING. CONCRETE THAT IS NOT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS WILL NOT BE ACCEPTED.

C4. CONCRETE EXPOSED TO WEATHER SHALL CONTAIN AN AIR ENTRAINMENT ADMIXTURE.

C5. NORMAL WEIGHT CONCRETE SHALL HAVE AN AIR-DRY UNIT WEIGHT OF 145 PCF.

C6. CONCRETE MINIMUM 28-DAY STRENGTH, UNLESS NOTED OTHERWISE, SHALL CONFORM TO FOLLOWING:
- A. FOOTINGS, PIERS, FOUNDATION WALLS, + GRADE BEAMS: 3000 PSI (NORMAL WEIGHT)
- B. SLABS ON GRADE + SLABS ON METAL DECK: 4000 PSI (NORMAL WEIGHT)
- C. SITE PAVING: 4500 PSI (NORMAL WEIGHT)

C7. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED BARS. LAP ALL CONTINUOUS BARS A MINIMUM OF 40 DIAMETERS, UNLESS NOTED. PROVIDE MATCHING CORNER AND INTERSECTION BARS.

C8. PROVIDE A MINIMUM OF #4 AT 12" EACH WAY, EACH FACE, FOR ALL WALLS, FOOTINGS, PITS, OR PADS, UNLESS NOTED OTHERWISE.

C9. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 1064 IN FLAT SHEETS. LAP ONE AND ONE-HALF SQUARES AT ALL JOINTS AND TIE AT 3'-0" o.c. AT SLAB ON GRADE, PLACE WELDED WIRE FABRIC ON SLAB BOLSTERS WITH SAND PLATES SPACED AT 3'-0" o.c. EACH WAY.

C10. PROVIDE REINFORCING STEEL DETAILING, LAP SPLICES, EMBEDMENTS, BAR SUPPORTS, SPACERS, AND ACCESSORIES AS RECOMMENDED IN THE LATEST EDITION OF THE "ACI DETAILING MANUAL". ACCESSORIES, SUCH AS SLAB BOLSTERS AND BEAM AND SLAB CHAIRS, IN CONTACT WITH EXPOSED SURFACES, SHALL BE ZINC COATED AND PLASTIC TIPPED.

C11. REINFORCING STEEL DETAILS NOT SHOWN ON THE DRAWINGS SHALL BE IN ACCORDANCE WITH THE "ACI DETAILING MANUAL 2004".

C12. CLEAR CONCRETE COVER FOR REINFORCING BARS OR WELDED WIRE FABRIC SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED:
- A. FOOTINGS: 3"
- B. FOUNDATION WALLS: 1-1/2"
- C. PILASTERS/PIERS: 1-1/2" TO TIES
- D. INTERIOR SLABS ON GRADE: 1-1/2" FROM TOP
- E. EXTERIOR SLABS ON GRADE: MID-DEPTH
- F. TOPPINGS ON METAL DECK: 1" FROM TOP

C13. SET AND TIE ALL REINFORCING STEEL BEFORE PLACING CONCRETE. SETTING DOWELS AND REINFORCING STEEL INTO WET CONCRETE IS PROHIBITED.

C14. NO REINFORCING STEEL SHALL BE CUT OR OMITTED IN THE FIELD BECAUSE OF CONFLICT WITH SLEEVES, DUCT OPENINGS, OR RECESSES. REINFORCING STEEL MAY BE MOVED ASIDE WITHOUT CHANGE IN LEVEL, WITH THE APPROVAL OF THE ARCHITECT.

C15. NO CHASES, RECESS, OPENINGS, OR SLEEVES SHALL BE INSTALLED IN CONCRETE WITHOUT APPROVAL OF THE ARCHITECT.

C16. NO CONDUITS SHALL BE PLACED IN CONCRETE SLABS ON METAL DECK.

C17. KEYS SHALL BE A MINIMUM OF 2" x 4" WITH BEVELED SIDES, UNLESS NOTED OTHERWISE.

C18. DOWELS AND ANCHOR RODS SHALL BE SET BY TEMPLATE. SET EMBEDDED ITEMS FOR CONNECTION OF OTHER WORK ACCURATELY.

C19. HORIZONTAL CONSTRUCTION JOINTS SHALL BE AS INDICATED ON THE DRAWINGS. VERTICAL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE ARCHITECT. CONSTRUCTION JOINTS SHALL BE FORMED WITH A STANDARD KEY AND ALL REINFORCING STEEL EXTENDED A MINIMUM OF 40 DIAMETERS, UNLESS NOTED. ALL CONSTRUCTION JOINTS BELOW GRADE SHALL HAVE CONTINUOUS BENTONITE WATERSTOPS.

C20. CONSTRUCTION AND CONTROL JOINT LOCATIONS OTHER THAN THOSE SHOWN ON THE DRAWINGS MAY BE PERMITTED SUBJECT TO THE PRIOR APPROVAL OF THE ARCHITECT. EXPANSION JOINT LOCATIONS ARE MANDATORY AS SHOWN.

C21. SEE ARCHITECTURAL AND SITE DRAWINGS FOR FINISHES, DEPRESSIONS, REGLETS, NOTCHES, AND OTHER ARCHITECTURAL FEATURES.

C22. PROVIDE CONCRETE PADS FOR MECHANICAL EQUIPMENT ACCORDING TO THE REQUIREMENTS OF THE MANUFACTURER AND IN ACCORDANCE WITH THE TYPICAL DETAILS. COORDINATE LOCATIONS WITH M.E.P. WORK.

C23. PROVIDE SEALANT FOR ALL EXPOSED-TO-VIEW CONSTRUCTION JOINTS, CONTROL JOINTS, AND SHEAR KEYS.

C24. EXPOSED EDGES OF CONCRETE ELEMENTS SHALL HAVE A 1-INCH CHAMFER UNLESS NOTED OTHERWISE.

C25. NOT ALL OPENINGS THROUGH CONCRETE SLABS AND WALLS ARE SHOWN ON STRUCTURAL DRAWINGS. OPENINGS INDICATED, OR ANY ADDITIONAL OPENINGS OR INSERTS REQUIRED, SHALL BE VERIFIED WITH RESPECTIVE TRADES PRIOR TO PLACING CONCRETE.

UNIT MASONRY (SECTION 042000)

M1. CONCRETE MASONRY CONSTRUCTION WORK SHALL CONFORM TO LATEST EDITION OF "BUILDING CODE REQUIREMENTS AND COMMENTARY FOR MASONRY STRUCTURES (ACI 530/530R)" AND "SPECIFICATIONS FOR MASONRY STRUCTURES AND RELATED COMMENTARIES (ACI 530.1/530.1R)". CONCRETE MASONRY WALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH LOW LIFT GROUTING METHOD.

M2. CONCRETE MASONRY STRENGTH (f'm) SHALL NOT BE LESS THAN 1500 PSI WITH SPECIAL INSPECTION.

M3. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C90, NORMAL WEIGHT, TYPE 1 AND TO NCMA "REQUIREMENTS FOR LOAD BEARING CONCRETE MASONRY". COMPRESSIVE STRENGTH SHALL BE AS REQUIRED FOR SPECIFIED CONCRETE MASONRY STRENGTH (f'm), BUT NOT LESS THAN 2000 PSI FOR THE AVERAGE OF 3 UNITS OR 1700 PSI FOR AN INDIVIDUAL UNIT, BASED ON THE AVERAGE NET AREA.

M4. MORTAR FOR REINFORCED CMU SHALL CONFORM TO ASTM C270, TYPE M OR S, AND HAVE A 28-DAY COMPRESSIVE STRENGTH EQUAL TO THE SPECIFIED CONCRETE MASONRY STRENGTH (f'm), BUT NOT LESS THAN 1800 PSI.

M5. GROUT SHALL CONFORM TO ASTM C476, FINE TYPE, AND HAVE A 28-DAY COMPRESSIVE STRENGTH EQUAL TO THE SPECIFIED CONCRETE MASONRY STRENGTH (f'm), BUT NOT LESS THAN 3000 PSI.

M6. GROUTING SHALL BE LIMITED TO A MAXIMUM WALL HEIGHT OF 5'-4" PER LIFT.

M7. HORIZONTAL JOINT REINFORCEMENT SHALL CONFORM TO ASTM A82, LADDER TYPE, #9 WIRE. PROVIDE PREFABRICATED CORNERS AND TEES.

M8. MINIMUM HORIZONTAL JOINT REINFORCEMENT FOR WALLS AND PARTITIONS SHALL BE #9 WIRE SPACED VERTICALLY AT 16"o.c. AT A MINIMUM, PROVIDE A BOND BEAM, WITH 2-#5 HORIZONTAL AND CONTINUOUS BARS, AT EACH FLOOR LEVEL AND AT THE TOP OF WALL.

M9. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED BARS. LAP ALL CONTINUOUS BARS A MINIMUM OF 48 DIAMETERS.

M10. ELEVATOR SHAFT WALLS SHALL BE FULLY GROUTED SOLID AND IN ADDITION TO HORIZONTAL REINFORCEMENT SHALL BE REINFORCED VERTICALLY WITH A MINIMUM OF #5 BARS AT 32" O.C., UNLESS NOTED.

M11. THE TOP OF CMU WALLS AND PARTITIONS SHALL BE ANCHORED AS SHOWN IN THE TYPICAL DETAILS AND THE SECTIONS.

M12. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED FIRE RATINGS.

STRUCTURAL STEEL FRAMING (SECTION 051200)

S1. STRUCTURAL STEEL WORK SHALL CONFORM TO THE LASTEST EDITIONS OF AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AS MODIFIED BY THE SPECIFICATIONS.

S2. WELDING SHALL BE IN ACCORDANCE WITH THE LATEST AWS "D1.1-STRUCTURAL WELDING CODE-STEEL".

S3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED:

A.	PLATES AND OTHER SHAPES (OTHER THAN W & WT)	ASTM A36	Fy = 36KSI
B.	HOLLOW STRUCTURAL SECTIONS	ASTM A500 GRADE C	Fy = 50KSI (SQUARE & RECT.)
		ASTM A500 GRADE B	Fy = 42KSI (ROUND)
C.	STRUCTURAL PIPE	ASTM A53 GRADE B	Fy = 35 KSI
D.	W & WT SHAPES	ASTM A992 OR A572	Fy = 50KSI

S4. CONNECTIONS MAY BE BOLTED OR WELDED, UNLESS SPECIFICALLY NOTED OTHERWISE. CONNECTIONS SHALL BE DESIGNED AND DETAILED IN ACCORDANCE WITH AISC STANDARDS, USING THE ASD METHOD.

S5. CONNECTIONS SHALL BE WELDED TO CONFORM TO ASTM A233, E70 SERIES, OR BOLTED TO CONFORM TO ASTM A325, TYPE N BOLTS.

S6. PROVIDE 3/4" DIAMETER MINIMUM HEADED TYPE ANCHOR RODS AT COLUMNS AND POSTS, UNLESS NOTED OTHERWISE.

S7. FURNISH AND INSTALL ONE WASHER AND ONE HEAVY HEX NUT WITH ALL ANCHOR RODS, UNLESS NOTED OTHERWISE.

S8. SIMPLY SUPPORTED BEAM-TO-BEAM CONNECTIONS SHALL BE DOUBLE ANGLE TYPE IN CONFORMANCE WITH THE AISC "MANUAL OF STEEL CONSTRUCTION", UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.

S9. PROVIDE A 1/4" THICK LEVELING PLATE UNDER EACH COLUMN BASE PLATE FOR USE IN ALIGNING ANCHOR RODS AND BASE PLATES. LEVELING PLATE SHALL BE SET AND GROUTED WITH AN APPROVED NON-SHRINK, NON-METALLIC GROUT. GROUT SHALL HAVE ATTAINED DESIGN STRENGTH BEFORE ERECTION OF COLUMN.

S10. PROVIDE A 1/4" THICK MINIMUM CAP PLATE WELDED AT TOP OF HSS COLUMNS, UNLESS NOTED OTHERWISE.

S12. SPLICING STRUCTURAL MEMBERS WHERE NOT DETAILED ON DRAWINGS IS PROHIBITED WITHOUT PRIOR APPROVAL OF ARCHITECT.

S13. STRUCTURAL STEEL EXPOSED TO THE WEATHER IN THE FINISHED PROJECT SHALL BE HOT DIP GALVANIZED TO CONFORM TO ASTM A123.

S15. STRUCTURAL STEEL EXPOSED TO VIEW IN THE COMPLETED PROJECT SHALL BE EXPOSED TO VIEW STRUCTURAL STEEL (E.V.S.S.). REFER TO THE SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.

S16. REFER TO THE SPECIFICATION FOR PAINTING AND SURFACE PREPARATION REQUIREMENTS.

S17. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE NEW STRUCTURE FOR WIND AND CONSTRUCTION LOADS. TEMPORARY SUPPORTS SHALL REMAIN IN PLACE UNTIL ALL ELEMENTS REQUIRED FOR STABILITY OF THE STEEL FRAME ARE COMPLETED.

SHEAR CONNECTORS (SECTION 051226)

SC1. SHEAR CONNECTORS SHALL BE HEADED STUDS CONFORMING TO ASTM A108, GRADES 1010, 1015, OR 1020.

SC2. SHEAR CONNECTORS SHALL BE 3/4" DIAMETER WITH A LENGTH EQUAL TO TOTAL SLAB THICKNESS MINUS 1 1/2 INCHES UNLESS NOTED OTHERWISE THE NUMBER OF SHEAR CONNECTORS REQUIRED PER BEAM IS INDICATED THUS (X) ON THE DRAWINGS. INSTALL CONNECTORS UNIFORMLY ALONG THE LENGTH OF THE BEAM UNLESS NOTED. INSTALL AT LEAST ONE CONNECTOR PER FOOT OF BEAM LENGTH ON ALL BEAMS SUPPORTING CONCRETE SLABS OVER COMPOSITE DECK.

STEEL DECK (SECTION 053100)

D1. STEEL DECK WORK SHALL CONFORM TO "SPECIFICATION FOR DESIGN OF LIGHT GAUGE COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI)"; "STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, AND ROOF DECKS"; "STRUCTURAL STEEL WELDING CODE - STEEL (AWS D1.1)"; AND "STRUCTURAL WELDING CODE - SHEET STEEL (AWS D1.3)".

D2. COMPOSITE STEEL FLOOR DECK SHALL BE MADE FROM STEEL CONFORMING TO ASTM A653 - MINIMUM GRADE 40 (Fy = 40 KSI) AND GALVANIZED IN ACCORDANCE WITH ASTM A653, COATING CLASS G60. COMPOSITE STEEL FLOOR DECK TYPE, DEPTH, AND GAUGE SHALL BE AS NOTED ON THE DRAWINGS.

D3. STEEL ROOF DECK SHALL BE MADE FROM STEEL CONFORMING TO ASTM A653 - GRADE 33 (Fy = 33 KSI) AND GALVANIZED IN ACCORDANCE WITH ASTM A653, COATING CLASS G60. STEEL ROOF DECK TYPE, DEPTH, AND GAUGE SHALL BE AS NOTED ON THE DRAWINGS.

D4. PROVIDE CONTINUOUS POUR STOP ANGLES WITH RETURN LIP AT BUILDING PERIMETER AND AT ALL INTERIOR OPENINGS. REFER TO THE SCHEDULE FOR GAUGE.

D5. COMPOSITE STEEL FLOOR DECK SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE WITH THE FOLLOWING MINIMUM REQUIREMENTS:
- A. PANEL ENDS AND END LAPS — 5/8"Ø PUDDLE WELD AT 12" o.c. MAX.
- B. INTERMEDIATE SUPPORTS — 5/8"Ø PUDDLE WELD AT 12" o.c. MAX.
- C. LONGITUDINAL EDGES AT SIDE SUPPORTS — 5/8"Ø PUDDLE WELD AT 12" o.c. MAX.
- D. SIDE LAPS OF ADJACENT UNITS — BUTTON PUNCHED AT 24" o.c. MAX.

D6. CELLULAR ACOUSTIC STEEL ROOF DECK SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE WITH THE FOLLOWING MINIMUM REQUIREMENTS:
- A. PANEL ENDS AND END LAPS — 5/8"Ø PUDDLE WELD AT EACH RIB
- B. INTERMEDIATE SUPPORTS — 5/8"Ø PUDDLE WELD AT EACH RIB
- C. LONGITUDINAL EDGES AT SIDE SUPPORTS — 5/8"Ø PUDDLE WELD AT 12" o.c. MAX.
- D. SIDE LAPS OF ADJACENT UNITS — 1-1/2" SEAM WELD AT 24" o.c. MAX.

D7. DO NOT HANG M.E.P., F.P. OR ARCHITECTURAL COMPONENTS FROM METAL ROOF DECK. PROVIDE ENGINEERED SUPPLEMENTAL FRAMING BY THE COMPONENT CONTRACTOR TO SPAN BETWEEN STRUCTURAL BEAMS.

ROUGH CARPENTRY (SECTION 061000)

RC1. STRUCTURAL LUMBER SHALL CONFORM TO THE AF&PA, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" AND SUPPLEMENT, "DESIGN VALUES FOR WOOD CONSTRUCTION" LATEST EDITION. MAXIMUM MOISTURE CONTENT SHALL BE 19%.

RC2. SAWN LUMBER SHALL BE SPRUCE-PINE-FIR NO. 2 OR BETTER, INCLUDING JOISTS, RAFTERS, BEAMS, STUDS, POSTS AND PLATES.

RC3. FOUNDATION SILLS SHALL BE PRESERVATIVE PRESSURE TREATED SOUTHERN PINE NO. 2 OR BETTER. ANCHOR BOLTS IN PRESERVATIVE PRESSURE TREATED WOOD SHALL BE HOT DIP GALVANIZED. NAILS IN PRESERVATIVE PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL.

RC4. WOOD EXPOSED TO WEATHER SHALL BE PRESERVATIVE PRESSURE TREATED SOUTHERN PINE NO. 2 OR BETTER. BOLTS IN PRESERVATIVE PRESSURE TREATED WOOD SHALL BE HOT DIP GALVANIZED. NAILS IN PRESERVATIVE PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL.

RC5. LAMINATED VENEER LUMBER (LVL) SHALL BE MICRO-LAM, AS MANUFACTURED BY WEYERHAEUSER, OR EQUAL.

RC6. PARALLEL STRAND LUMBER (PSL) SHALL BE PARALLAM, AS MANUFACTURED BY WEYERHAEUSER, OR EQUAL.

RC7. ENGINEERED I - JOISTS SHALL BE TJI JOISTS, AS MANUFACTURED BY WEYERHAEUSER, OR EQUAL. PROVIDE WEB STIFFENERS/SQUASH BLOCKS PER MANUFACTURER'S RECOMMENDATIONS.

RC8. FLUSH FRAMED CONNECTIONS SHALL HAVE METAL BEAM OR JOIST HANGERS, MANUFACTURED BY SIMPSON STRONG-TIE CO., INC., OR EQUAL.

RC9. ALL INDIVIDUAL POSTS SHALL HAVE METAL CAPS AND BASES, MANUFACTURED BY SIMPSON STRONG-TIE CO., INC., OR EQUAL.

RC10. ROOF SHEATHING SHALL BE A MINIMUM OF 5/8" NOMINAL (19/32" ACTUAL) EXTERIOR GRADE (EXPOSURE 1) APA RATED STRUCTURAL 1 PLYWOOD SHEATHING WITH 10d NAILS 6" o.c. AT EDGES AND 12" o.c. AT INTERMEDIATE SUPPORTS. PROVIDE METAL "H" CLIPS AT PANEL EDGES.

RC11. WALL SHEATHING SHALL BE A MINIMUM OF 1/2" NOMINAL (15/32" ACTUAL) EXTERIOR GRADE (EXPOSURE 1) APA RATED STRUCTURAL 1 PLYWOOD SHEATHING WITH 8d NAILS 6" o.c. AT EDGES AND 12" o.c. AT INTERMEDIATE SUPPORTS. BLOCK ALL EDGES OF PLYWOOD WALL SHEATHING.

RC12. FLOOR SHEATHING SHALL BE A MINIMUM OF 3/4" NOMINAL (23/32" ACTUAL) EXTERIOR GRADE (EXPOSURE 1) APA RATED STRUCTURAL 1 PLYWOOD TONGUE AND GROOVE, GLUED AND NAILED WITH 10d NAILS AT 6" o.c. AT ENDS AND 12" o.c. AT INTERMEDIATE SUPPORTS.

RC13. PLYWOOD SHALL HAVE STAGGERED JOINTS AND NAILS SHALL BE THREADED. ALL PLYWOOD SHEATHING SHALL BE INSTALLED WITH THE FACE GRAIN PERPENDICULAR TO THE SUPPORTS.

RC14. NAILING SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE, TABLE 2304.10.1, UNLESS OTHERWISE NOTED.

RC15. FLOOR JOISTS SHALL BE BRIDGED AT 8'-0" o.c. MAX.

RC16. ALL WALL STUDS SHALL BE BLOCKED AT 4'-0" o.c. MAX. AND AT ALL PLYWOOD EDGES.

RC17. PROVIDE SOLID BLOCKING BETWEEN JOISTS AND RAFTERS OVER ALL STUD BEARING WALLS OR SUPPORTING BEAMS.

RC18. ALL POSTS SHALL BE (VERTICALLY) BLOCKED THROUGH FLOOR CONSTRUCTION AT ALL LEVELS, TO THE TOP OF FOUNDATION WALL OR SUPPORTING BEAM.

RC19. PROVIDE MINIMUM HEADERS AS REQUIRED BY TABLES 2308.4.1.1(1) AND 2308.4.1.1(2) OF THE MASSACHUSETTS STATE BUILDING CODE, UNLESS OTHERWISE NOTED.

RC20. PROVIDE MINIMUM BUILT-UP WALL STUDS AT JAMBS OF ALL WINDOW AND DOOR OPENINGS AS NOTED BELOW, UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED ON THE DRAWINGS.

OPENING SIZE	JACK STUDS	KING STUDS	TOTAL STUDS
UP TO 4'-0"	1	1	2
4'-0" TO 6'-0"	1	2	3
6'-0" TO 8'-0"	2	2	4
8'-0" TO 10'-0"	2	3	5

ALL TRIMMERS AND JACK STUDS SHALL BE OF THE SAME MATERIAL AS THE TYPICAL WALL STUDS, UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL TRIMMERS SHALL BE FULL HEIGHT, EXTENDING FROM THE SOLE PLATE TO THE CAP PLATE. JACK STUDS SHALL TERMINATE BELOW THE HEADER AND BE THOROUGHLY SPIKED TO THE TRIMMERS. FRAMING SHOWN IN THE TABLE ABOVE IS FOR ONE OPENING - PROVIDE 2X THE NUMBER OF JACK STUDS AND TRIMMERS FOR MULTIPLE OPENINGS IMMEDIATELY ADJACENT TO EACH OTHER. IN CASES WHERE THE DISTANCE BETWEEN OPENINGS DOES NOT ACCOMMODATE THE TOTAL NUMBER OF JACK STUDS AND TRIMMERS, ELIMINATE THE JACK STUD(S) AND CONNECT THE HEADER TO THE TRIMMERS WITH A STANDARD METAL JOIST HANGER (CONCEALED FLANGES).

RC21. PROVIDE A MINIMUM OF 3 - 2X CORNER POSTS AT ALL CORNERS AND WALL INTERSECTIONS.

RC22. PROVIDE DOUBLE JOISTS BELOW ALL PARTITIONS PARALLEL TO JOISTS.

RC23. PROVIDE METAL HURRICANE ANCHORS AT ALL ROOF RAFTERS AND ROOF TRUSSES TO PLATE CONNECTIONS.

RC24. FRAME ALL OPENINGS IN FLOOR AND ROOF CONSTRUCTION WITH MINIMUM OF 2 - 2X HEADERS AND TRIMMERS (DEPTH TO MATCH THE ADJACENT FRAMING) WITH METAL JOIST/BEAM HANGERS, UNLESS OTHERWISE NOTED.

RC25. NOTCHING OF JOISTS, BEAMS, STUDS OR PLATES SHALL NOT BE PERMITTED.

METAL PLATE CONNECTED WOOD TRUSSES (SECTION 061753)

WT1. ALL ROOF TRUSSES SHALL CONFORM TO THE TRUSS PLATE INSTITUTE, "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES" LATEST EDITION AND SHALL BE DESIGNED FOR THE LOADINGS INDICATED ON THE DRAWINGS. TOTAL AND LIVE LOAD DEFLECTIONS SHALL BE LIMITED AS FOLLOWS (UNLESS OTHERWISE INDICATED ON THE DRAWINGS):

LIVE LOAD DEFLECTION: < L/480
TOTAL LOAD DEFLECTION: < L/360

WT2. SUBMIT COMPLETE SHOP DRAWINGS (ERECTION PLANS, MEMBER DETAILS, MEMBER CONNECTIONS, CONNECTIONS BETWEEN MEMBERS AND SUPPORTS, BRACING, ETC.) AND CALCULATIONS FOR ALL TRUSSES AND CONNECTIONS. ALL CALCULATIONS AND SHOP DRAWINGS SHALL BE PREPARED BY AND BEAR THE STAMP OF A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF MASSACHUSETTS. FINAL DESIGN OF TRUSSES SHALL BE PROVIDED BY THE DESIGNER/FABRICATOR.

WT3. IN ADDITION TO THE SLOPING AND UNBALANCED SNOW LOADS AND WIND LOADS LISTED UNDER STRUCTURAL LOADS (THIS SHEET), ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING DEAD AND LIVE LOADS APPLIED TO THE TOP CHORD (TC) AND BOTTOM CHORD (BC):
LIVE LOAD = 46 PSF (TC), 20 PSF (BC)
DEAD LOAD = 15 PSF (TC), 10 PSF (BC)
INCLUDE DETAILED LOAD COMBINATIONS FOR ALL TRUSS CALCULATIONS.

WT4 TRUSS WEB CONFIGURATIONS SHOWN ON THE TRUSS ELEVATIONS ARE SCHEMATIC. FINAL WEB CONFIGURATIONS SHALL BE DETERMINED BY THE TRUSS DESIGNER / FABRICATOR. COORDINATE WEB MEMBER LOCATIONS WITH M.E.P. AND ACCESS REQUIREMENTS SHOWN ON THE DRAWINGS. FIELD MODIFICATION OF TRUSSES TO FACILITATE THE INSTALLATION OF MECHANICAL UNITS OR PIPING IS NOT PERMITTED.

WT5. MINIMUM CHORD SIZES SHALL BE AS SHOWN ON THE TRUSS ELEVATIONS ON DRAWING S304. MINIMUM WEB MEMBER SIZES SHALL BE 2x4. DESIGN ALL WEB MEMBERS HAVING A LENGTH LESS THAN 8'-0" (FROM WORKING POINT TO WORKING POINT) SO THAT THE WEB MEMBER DOES NOT REQUIRE LATERAL RESTRAINT OR BRACING.

WT6. TRUSS CHORDS AND TRUSS WEB MEMBERS SHALL BE SOUTHERN PINE NO. 2 OR BETTER. ALL LUMBER SHALL BE 19% MAXIMUM MOISTURE CONTENT.

WT7. ALL TRUSSES SHALL BE SECURELY BRACED BOTH DURING ERECTION AND AS REQUIRED AFTER PERMANENT INSTALLATION AS REQUIRED ON THE STRUCTURAL DRAWINGS, THE SHOP DRAWINGS, BY THE TRUSS PLATE INSTITUTE SPECIFICATIONS , TPI / WTCA PUBLICATION BCSI 1-03, OR AS DIRECTED IN THE FIELD BY THE ARCHITECT/STRUCTURAL ENGINEER.

WT8. WEB TRUSS-TO-TRUSS CONTINUOUS LATERAL BRACING (CLB) SHALL BE DETERMINED BY THE TRUSS DESIGNER. SEE TRUSS SHOPS TO DETERMINE FINAL WEB LAYOUT (SEE NOTE #4) AND PROVIDE CLB AS REQUIRED AND SHOWN ON THE TRUSS SHOPS.

WT9. CONTINUOUS LATERAL BRACING LINES (CLB) SHALL BE RESTRAINED WITH DIAGONAL, ARROWHEAD OR 'X' BRACING AT EACH END OF CLB LINE AND AT 20'-0" O.C. MAX, PER BCSI 2013 AND THE TYPICAL DETAILS ON THE CONTRACT DRAWINGS. SEE TYPICAL DETAIL ON THIS DRAWING. ALL WEB MEMBERS REQUIRING CLB AS SHOWN ON THE TRUSS SHOPS SHALL RECIEVE ARROWHEAD OR 'X' BRACING.

WT10. CONTINUOUS LATERAL BRACING REQUIREMENTS:
a) TOP CHORD: SEE BOTH STRUCTURAL DRAWINGS AND SHOP DRAWINGS FOR UNSHEATHED PORTIONS OF TOP CHORD. USE THE MORE STRINGENT REQUIREMENT.
b) BOTTOM CHORD: PROVIDE CONTINUOUS LATERAL BRACING OF THE BOTTOM CHORDS OF ALL TRUSSES WITH 2x4 (MIN.) AT 6'-0" o.c. MAX. SPACING. IF GYPSUM SHEATHING IS APPLIED DIRECTLY TO THE BOTTOM CHORD, BOTTOM CHORD CONTINUOUS LATERAL BRACING MAY BE OMITTED.
c) WEB MEMBERS: SEE THE SHOP DRAWINGS TO IDENTIFY WEB MEMBERS THAT REQUIRE BRACING.

WT11. PROVIDE SIMPSON "H" SERIES HOLDDOWN CONNECTORS (OR EQUAL) AT ALL ROOF TRUSS BEARINGS (INTERIOR AND EXTERIOR BEARING POINTS). TRUSS DESIGNER SHALL SELECT AND SPECIFY ON THE TRUSS ERECTION DRAWINGS A HOLDDOWN THAT EXCEEDS THE UPLIFT FORCE PROVIDED IN THE TRUSS SHOP DRAWINGS.

FOUNDATION (SECTION 310000)

F1. FOUNDATION WORK SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT BY McARDLE GANNON ASSOCIATES, INC., FILE # W0890, DATED DECEMBER 28, 2021.

F2. THE OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR THE VALIDITY OF THE SUBSURFACE CONDITIONS DESCRIBED ON THE DRAWINGS, SPECIFICATIONS, BORING LOGS, OR TEST PITS. THIS DATA IS INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION AND REPRESENT CONDITIONS ONLY OF THOSE SPECIFIED LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE.

F3. THE CONTRACTOR SHALL INFORM THE ARCHITECT AND RELOCATE, AS REQUIRED, ANY EXISTING UTILITY LINES THAT MAY INTERFERE WITH NEW FOUNDATIONS. THE CONTRACTOR SHALL REMOVE ANY EXISTING UTILITY LINES THAT ARE BEING ABANDONED IN THE VICINITY OF THE NEW FOUNDATION AND BACKFILL THE AREA WITH COMPACTED STRUCTURAL FILL.

F4. THE BOTTOM SURFACE OF ALL SPREAD FOOTINGS SHALL REST ON A 3" THICK LAYER OF COMPACTED 3/4" CRUSHED STONE OVER UNDISTURBED APPROVED SOIL OR COMPACTED STRUCTURAL FILL, WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 2.5 TONS PER SQUARE FOOT. REMOVE ALL ORGANICS, CLAYS, SILTS, OR UNSUITABLE OR UNCOMPACTED FILL MATERIALS FROM BENEATH NEW FOOTINGS AND REPLACE WITH COMPACTED STRUCTURAL FILL.

F5. THE ESTIMATED BOTTOM ELEVATION OF EACH FOOTING IS INDICATED THUS [X'-X"] ON PLAN. THE BOTTOM OF EACH EXTERIOR FOOTING SHALL BE A MINIMUM OF 4'-0" BELOW ADJACENT EXTERIOR FINISH GRADE.

F6. PROVIDE A VAPOR BARRIER AND AN 8" MINIMUM THICKNESS OF 3/4" CRUSHED STONE UNDER INTERIOR CONCRETE SLABS ON GRADE.

F7. BACKFILL AGAINST WALLS, MATS, AND FOOTINGS SHALL BE ENGINEERED BACKFILL COMPACTED IN SPECIFIED LIFTS TO 95 PERCENT OF MAXIMUM DENSITY, UNLESS OTHERWISE INDICATED OR SPECIFIED. REFER TO GEOTECHNICAL REPORT AND EARTHWORK SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

F8. VERIFY LOCATIONS AND REQUIREMENTS FOR INSERTS, SLEEVES, CONDUITS, EMBEDMENTS, AND PENETRATIONS WITH RESPECTIVE TRADES BEFORE PLACING CONCRETE.

F9. FOUNDATIONS SHALL BE CENTERED UNDER SUPPORTED MEMBERS, UNLESS NOTED OTHERWISE.

F10. DOWELS FROM FOUNDATIONS INTO PIERS, COLUMNS, BUTTRESSES, OR WALLS SHALL BE THE SAME SIZE AND NUMBER AS REINFORCEMENT IN PIERS, COLUMNS, AND BUTTRESSES, OR WALLS ABOVE, UNLESS NOTED OTHERWISE.

F11. NO CONCRETE SHALL BE PLACED UNDER WATER OR ON FROZEN SUBGRADE. PROTECT IN-PLACE FOUNDATIONS AND SLABS FROM FROST PENETRATION UNTIL PROJECT IS COMPLETED.

F12. DO NOT BACK FILL FOUNDATION WALLS UNTIL WALLS HAVE REACHED THEIR 28 DAY STRENGTHS AND FLOOR SLABS AT THE TOP AND BOTTOM OF WALLS ARE IN PLACE AND CURED.

ABBREVIATIONS

ADDL	ADDITIONAL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ACI	AMERICAN CONCRETE INSTITUTE
AFPA	AMERICAN FOREST & PAPER ASSOCIATION
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
ANC	ANCHOR
& OR +	AND
APPROX	APPROXIMATELY
ARCH	ARCHITECT OR ARCHITECTURAL
@	AT RATE OF
BAL	BALANCE
BLK	BLOCK
BM	BEAM
BRG	BEARING
B/S	BOTH SIDES
B OR BOT	BOTTOM
BO	BOTTOM OF
BEW	BOTTOM EACH WAY
BETWN	BETWEEN
BLW	BOTTOM LONG WAY
BOCA	BUILDING OFFICIALS AND CODE ADMINISTRATORS
BP	BASE PLATE
BRKT	BRACKET
BSMT	BASEMENT
BSW	BOTTOM SHORT WAY
CG	CENTER OF GRAVITY
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT
CTJ	CONTROL JOINT
CL OR ℄	CENTER LINE
CLG	CEILING
CLR	CLEAR, CLEARANCE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUE, CONTINUOUS
CONTR	CONTRACTOR
CRSI	CONCRETE REINFORCING INSTITUTE
DL	DEAD LOAD
DEMO	DEMOLISH, DEMOLITION
DEPR	DEPRESS, DEPRESSION
DET	DETAIL
DEV LNGTH	DEVELOPMENT LENGTH
DIAG	DIAGONAL
DIA OR Ø	DIAMETER
D	DIAMETERS
DIM	DIMENSION
DIR	DIRECTION
DN	DOWN
DWL	DOWEL
DWG	DRAWING
EA	EACH
EE	EACH END
EF	EACH FACE
ES	EACH SIDE
EW	EACH WAY
EL	ELEVATION
ELEV	ELEVATOR
EMB	EMBED, EMBEDMENT
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ETC	ETCETERA
EXIST OR (E)	EXISTING
EXP BLT	EXPANSION BOLT
EXP JT E	XPANSION JOINT
EXT	EXTERIOR
FD	FLOOR DRAIN
FF	FAR FACE
FP	FULL PENETRATION WELD
FS	FAR SIDE
FT	FOOT OR FEET
FV	FIELD VERIFY
FIN	FINISH
FIN FLR	FINISHED FLOOR
FPRF	FIREPROOF
FLR	FLOOR
FND	FOUNDATION
FTG	FOOTING
GA	GAGE OR GAUGE
GB	GRADE BEAM
GALV	HOT-DIPPED GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GR	GRADE
H OR HOR	HORIZONTAL
HEF	HORIZONTAL EACH FACE
HIF	HORIZONTAL INSIDE FACE
HOF	HORIZONTAL OUTSIDE FACE
HP	HIGH POINT
HS	HIGH STRENGTH
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
IN OR "	INCH
INCL	INCLUSIVE, INCLUDING
INFO	INFORMATION
ID	INSIDE DIAMETER
IF	INSIDE FACE
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JST	JOIST
JT	JOINT
K	KIP (1000 POUNDS)
KSI	KIPS PER SQUARE INCH
KO	KNOCKOUT

L	ANGLE
LBS	POUNDS
LE	LEFT END
LG	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LONG	LONGITUDINAL
LP	LOW POINT
LRFD	LOAD AND RESISTANCE FACTOR DESIGN
LT GA	LIGHT GAGE, GAUGE
LW	LONG WAY
LWT	LIGHTWEIGHT
LWC	LIGHTWEIGHT CONCRETE
MAS	MASONRY
MANUF	MANUFACTURER
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL, ELECTRICAL, PLUMBING
MEZZ	MEZZANINE
MID	MIDDLE
MID-PT	MID-POINT
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
MWR	MINIMUM WALL REINFORCING
(N)	NEW
NA	NOT APPLICABLE
NCMA	NATIONAL CONCRETE MASONRY ASSOCIATION
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO OR #	NUMBER
NTS	NOT TO SCALE
NWT	NORMAL WEIGHT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
Pc	PIECE
PC	PILE CAP
PCI	PRECAST CONCRETE INSTITUTE
PEN	PENETRATION
PERIM	PERIMETER
ℙ	PLATE
P/T	POST TENSIONED
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PT	PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
R	RADIUS
RD	ROOF DRAIN
RE	RIGHT END
REF	REFERENCE
REINF	REINFORCING
REM	REMAINDER
RET	RETURN
REQD	REQUIRED
RETG	RETAINING
REV	REVISION
S	SECTION MODULUS
SC	SHEAR CONNECTOR
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SF	SQUARE FOOT
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SL	SPLICE LENGTH
SOG	SLAB ON GRADE
SP	SPACES
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STIFF	STIFFENER
STL	STEEL
SUPP	SUPPORT
SYMM	SYMMETRICAL
T	TOP
TB	TIE BEAM
TJ	TIE JOIST
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TEMP	TEMPERATURE
TEN	TENSION
TEW	TOP EACH WAY
TFE	TETRAFLUORETHYLENE
THK	THICK, THICKNESS
THRD	THREADED
THRU	THROUGH
TIM	TIMBER
TLW	TOP LONG WAY
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSVERSE
TSW	TOP SHORT WAY
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
U.L.	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
V OR VERT	VERTICAL
VEF	VERTICAL EACH FACE
VIF	VERTICAL INSIDE FACE
VOF	VERTICAL OUTSIDE FACE
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORKING POINT
WPG	WATERPROOFING
WS	WATER STOP
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWPA	WESTERN WOOD PRODUCTS ASSOCIATION

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REVISIONS
2 Addendum #2 08/03/2022
DATE

DRAWING TITLE
General Notes and Abbreviations

DRAWING INFORMATION
07/22/22 — DATE OF ISSUE
Construction Documents — DESCRIPTION
As indicated — SCALE
Author — DRAWN BY
3403.00 — PROJECT #
FILE NAME

DRAWING NUMBER
S001

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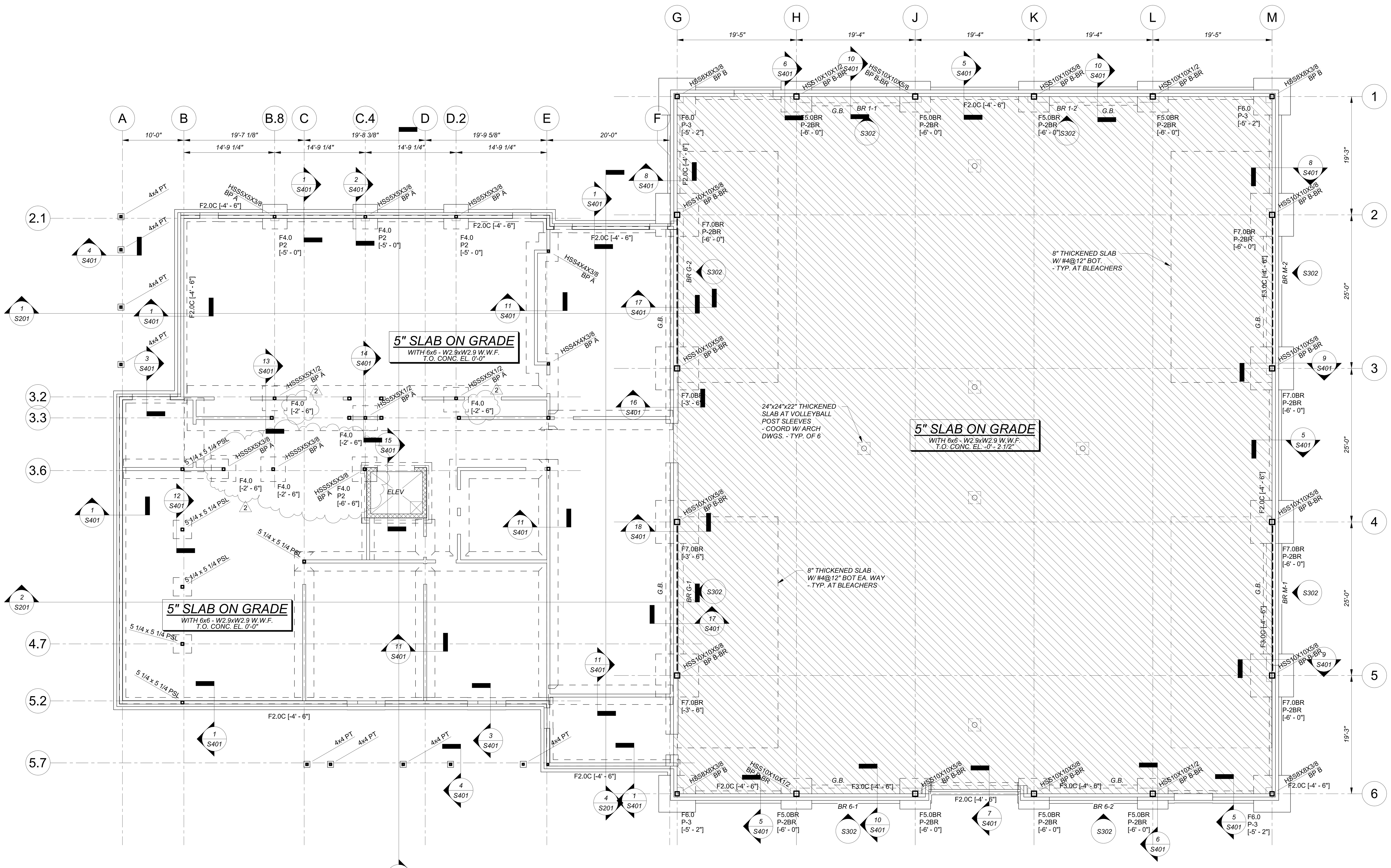
Author



FIRST FLOOR/FOUNDATION PLAN

1/8" = 1'-0"

NOTES:

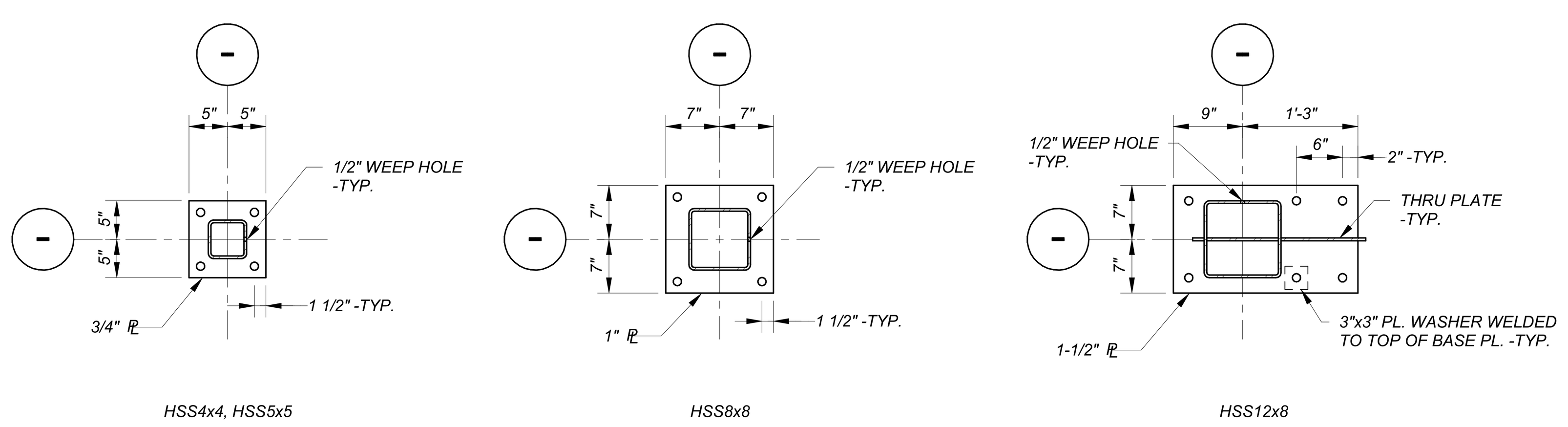
1. FOR GENERAL NOTES AND TYPICAL DETAILS REFER TO DRAWINGS S001 THROUGH S009.
2. FOR TOP OF CONCRETE EL. SEE PLAN.
3. INDICATES A DEPRESSION. REFER TO ARCHITECTURAL DRAWINGS FOR DEPTH AND EXTENTS. COORDINATE WITH FLOORING MANUFACTURER.
4. COLUMN SIZES ARE SHOWN ON PLANS AT THEIR LOWEST LEVELS OR AT SPLICES. REFER TO FOUNDATION PLANS AND FRAMING PLANS.
5. BR-X INDICATES A BRACED FRAME IN THE LATERAL LOAD RESISTING SYSTEM. FOR ELEVATIONS AND DETAILS REFER TO DRAWING S302.
6. "G.B." INDICATES A REINFORCED CONCRETE GRADE BEAM. SEE SECTIONS FOR SIZE AND REINFORCING. EXTEND AND HOOK LONGITUDINAL REINFORCING INTO FOOTING/PIER AT EACH END AND PROVIDE CLASS B SPLICES WHERE REQUIRED.
7. ESTIMATED ELEVATION OF BOTTOM OF FOOTING IS INDICATED THUS [X'-X"] ON PLAN. BOTTOM OF EACH EXTERIOR FOOTING SHALL BE A MINIMUM OF 4'-0" BELOW ADJACENT FINISH GRADE.
8. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR THRESHOLDS AND SLOPING SLABS TO DRAINS.
9. COORDINATE DIMENSIONS AND LOCATIONS OF ANY PIPES OR DUCTS TO BE PLACED UNDER OR THROUGH THE SLABS OR FOUNDATION WALL WITH ARCHITECTURAL AND MEP DRAWINGS.
10. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF STEEL FIREPROOFING.
11. ALL EXTERIOR EXPOSED STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED.

SPREAD FOOTING SCHEDULE

TYPE	DIMENSIONS			REINFORCING
	WIDTH	LENGTH	DEPTH	
F3.0	3' - 0"	3' - 0"	18"	4-#4 BOT. EACH WAY
F4.0	4' - 0"	4' - 0"	18"	5-#4 BOT. EACH WAY
F5.0BR	5' - 0"	5' - 0"	30"	6-#5 TOP AND BOT EACH WAY
F6.0	6' - 0"	6' - 0"	20"	7-#6 BOT. EACH WAY
F7.0BR	7' - 0"	7' - 0"	30"	8-#7 TOP AND BOT EACH WAY

CONT. FOOTING SCHEDULE

TYPE	DIMENSIONS		REINF.
	WIDTH	DEPTH	
F2.0C	2' - 0"	12"	2-#5 CONT.
F3.0C	3' - 0"	12"	3-#5 CONT.



TYPE A

TYPE B

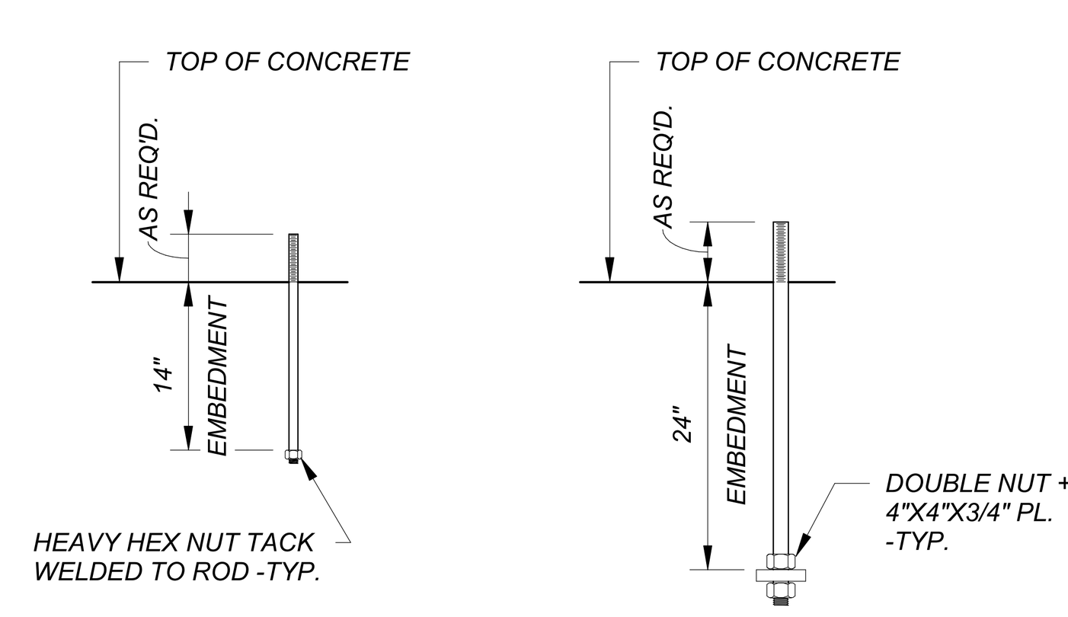
TYPE B-BR

NOTES:

1. BASE PLATE TYPE NOTED ON PLAN AS BP-"X".
2. PROVIDE 3/4"øx14" EMBEDMENT F1554-36 ANCHOR RODS W/ TACK WELDED NUT AT ALL BASE PLATES UNLESS NOTED OTHERWISE.
3. PROVIDE 1 1/4"øx24" EMBEDMENT F1554-105 ANCHOR RODS W/ 4"x4"x3/4" PLATE WASHERS IN BETWEEN DOUBLE NUTS AT BRACE COLUMNS (NOTED ON PLANS AS BASE PLATE TYPE BP-"X" BR.)
4. PROVIDE 3"X3"X1/2" PLATE WASHERS UNDER NUTS ON TOP OF TYPE "X"-BR BASE PLATES. OVERSIZED HOLES IN BASE PLATES TO BE GROUTED SOLID PRIOR TO INSTALLING TOP NUTS AND WASHERS AND PLATE WASHERS TO BE WELDED ALL AROUND TO BASE PLATES. TYPICAL AT BRACE COLUMNS.
5. PROVIDE 1/4" LEVELING PLATE AND 3/4" NON-SHRINK GROUT UNDER ALL BASE PLATES.

BASE PLATE DETAILS

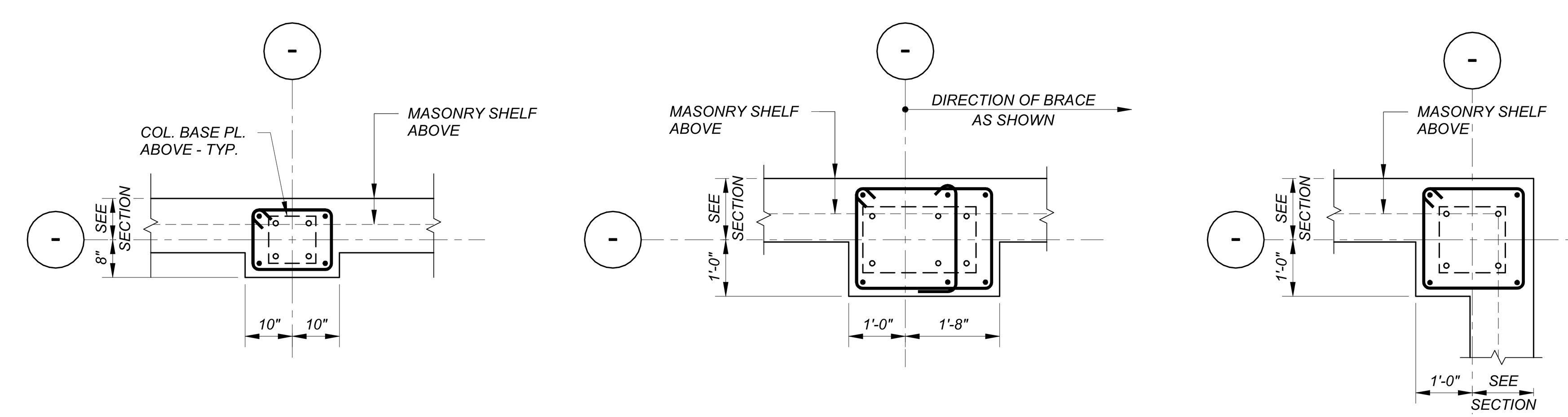
3/4" = 1'-0"



3/4" DIAMETER F1554 GRADE 36 (AB-1)

1-1/4" DIAMETER F1554 GRADE 105 (AB-2)

ANCHOR ROD DETAILS



4-#8 VERT.
#4 TIES @ 12"o.c.

P-2

6-#8 VERT.
#4 TIES @ 12"o.c.

P-2BR

4-#8 VERT.
#4 TIES @ 12"o.c.

P-3

NOTES:

1. AT PIERS/PILASTERS SUPPORTING BRACE COLUMNS (PIERS/PILASTERS WITH THE "BR" SUFFIX (EX. P-1BR)) ENLARGE THE 12" DIMENSION TO 24" IN THE DIRECTION OF THE BRACE TO SUPPORT THE ENLARGED BRACE COLUMN BASE PLATE -TYPICAL. COORDINATE PIER/PILASTER EXTENSIONS WITH PLANS AND BRACE ELEVATIONS.
2. AT THE TOP OF PIERS/PILASTERS, PROVIDE TIES WITH 4 SPACES @ 3" o.c. AND THE BALANCE AS INDICATED ABOVE (SEE SECTIONS) -TYPICAL.
3. WALL REINFORCING NOT SHOWN FOR CLARITY, CONTINUE THROUGH PILASTER.
4. REFER TO SECTIONS FOR WALL THICKNESS, REINFORCING, AND LOCATION FROM COLUMN GRID.

PIER AND PILASTER DETAILS

1/2" = 1'-0"

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REVISIONS

2 Addendum #2	08/03/2022
	DATE

DRAWING TITLE

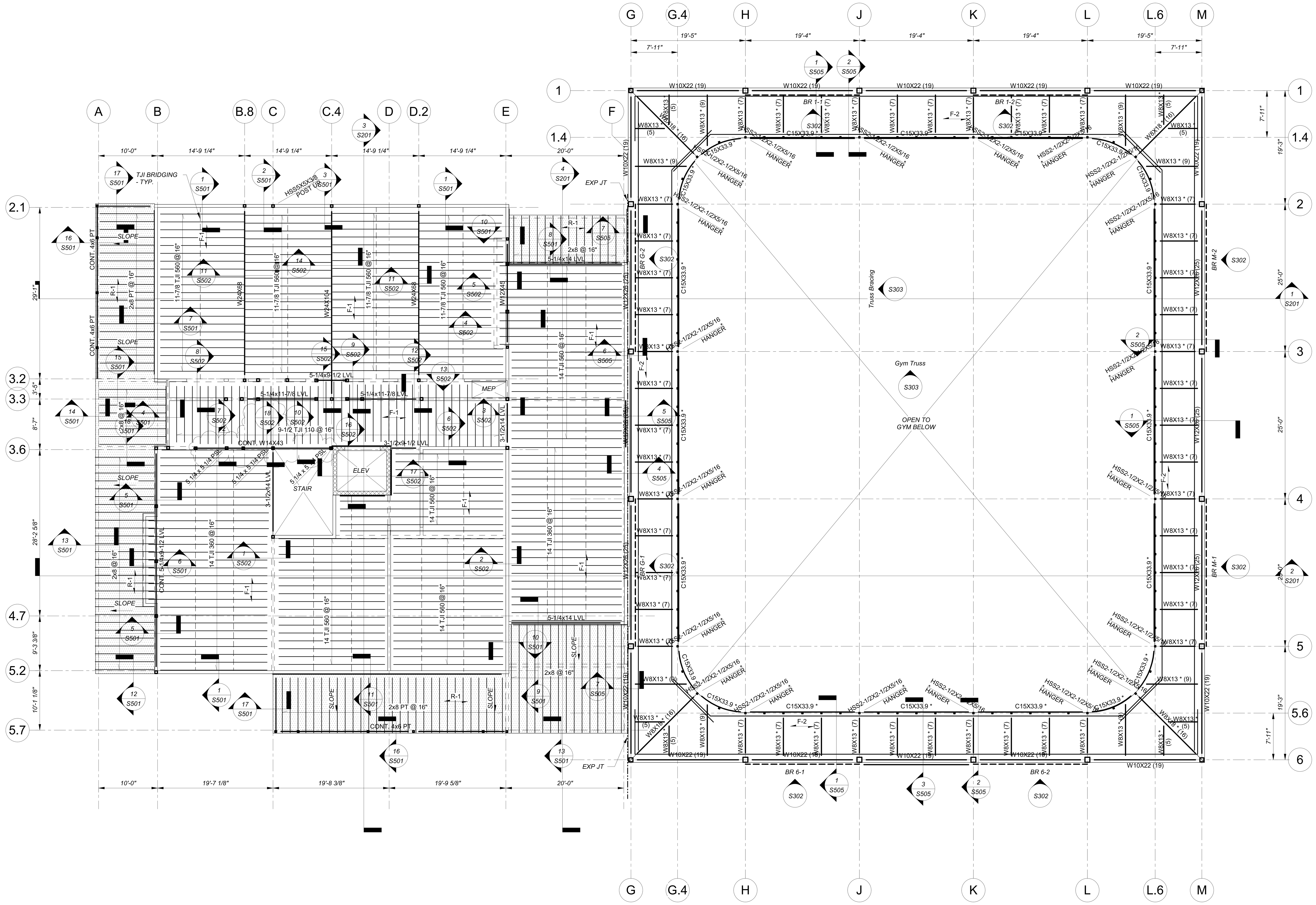
First Floor/Foundation Plan

DRAWING INFORMATION

07/22/22	
DATE OF ISSUE	
Construction Documents	
DESCRIPTION	
As indicated	Author
SCALE	DRAWN BY
3403.00	
PROJECT #	FILE NAME

DRAWING NUMBER

S101



SECOND FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS REFER TO DRAWINGS S001 THROUGH S009.
2. F-1 INDICATES SPAN DIRECTION OF FLOOR CONSTRUCTION CONSISTING OF 3/4" PLYWOOD FLOOR SHEATHING GLUED AND NAILED TO FRAMING MEMBERS. PROVIDE SOUND MAT AND GYPSUM TOPPING PER THE ARCHITECTURAL DRAWINGS.
3. F-2 INDICATES SPAN DIRECTION OF FLOOR CONSTRUCTION CONSISTING OF 3" MINIMUM NORMAL WEIGHT CONCRETE TOPPING WITH 6x6-W2.9xW2.9 W.W.F. SUPPORTED WITH SLAB BOLSTERS, AND 2" DEEP x 18 GAUGE GALVANIZED COMPOSITE METAL FLOOR DECK. MINIMUM TOTAL THICKNESS = 5" TOTAL SLAB THICKNESS.
4. (XX) INDICATES THE NUMBER OF EQUALLY SPACED 3/4" DIAMETER HEADED SHEAR CONNECTOR STUDS WELDED TO THE CENTER OF THE TOP FLANGE OF THE BEAM OR GIRDER. PROVIDE A MINIMUM OF ONE STUD PER FOOT LENGTH AT ALL BEAMS SUPPORTING COMPOSITE FLOOR DECK.
5. SECOND FLOOR TOP OF STEEL ELEVATION = 13'-7". UNLESS NOTED OTHERWISE ON PLAN OR IN SECTIONS.
6. COLUMN SIZES ARE SHOWN ON PLANS AT THEIR LOWEST LEVELS OR AT SPLICES. REFER TO FOUNDATION PLANS AND FRAMING PLANS.
7. WOOD HEADERS AND BEAMS SHALL BE SUPPORTED BY BUILT-UP JAMBS (JACK AND KING STUDS) AT THE BOTH ENDS, PER THE GENERAL NOTES, UNLESS NOTED OTHERWISE.
8. BR-X INDICATES A BRACED FRAME IN THE LATERAL LOAD RESISTING SYSTEM. FOR ELEVATIONS AND DETAILS REFER TO DRAWING S302.
9. "D.B." INDICATES 2-#5 DRAG BARS IN CONCRETE SLAB. PLACE ONE BAR ON EACH SIDE OF THE BRACED FRAME BEAM AND BOTH BARS ON SAME SIDE WHERE THE FRAME IS NEAR THE EDGE OF SLAB. EXTEND BARS ONE BAY (MIN.) EACH SIDE OF BRACE BAY. PROVIDE CLASS B SPLICES WHERE REQUIRED.
10. * INDICATES EXPOSED TO VIEW STRUCTURAL STEEL. REFER TO SPECIFICATIONS FOR SURFACE PREPARATION AND FINISH REQUIREMENTS. COORDINATE LOCATIONS OF E.V.S.S. WITH ARCHITECTURAL DRAWINGS.
11. R-1 INDICATES SPAN DIRECTION OF ROOF CONSTRUCTION CONSISTING OF 5/8" DEEP 40/20 APA RATED SHEATHING WITH EXTERIOR GRADE AND STRUCTURAL 1 RATING. PROVIDE "H" CLIPS PER TYPICAL DETAILS.
12. INDICATES A ROOF AREA.
13. COORDINATE AND VERIFY THE SIZE, QUANTITY AND LOCATION OF ALL VENTS, PIPES, DUCTS SHAFTS, AND OTHER FLOOR PENETRATIONS WITH ARCHITECTURAL AND M.E.P. DRAWINGS AND PROVIDE STEEL FRAMES AS REQUIRED PER THE TYPICAL DETAILS. ALL REQUIRED PENETRATIONS MIGHT NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.
14. ALL EXTERIOR EXPOSED STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED.
15. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF STEEL FIREPROOFING.

ARCHITECT

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REVISIONS

2 Addendum #2 08/03/2022

DATE

DRAWING TITLE

Second Floor Framing Plan

DRAWING INFORMATION

07/22/22
DATE OF ISSUE

Construction Documents
DESCRIPTION

As indicated
SCALE

Author
DRAWN BY

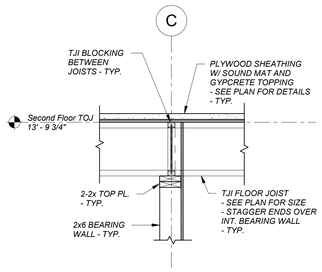
3403.00
PROJECT #

FILE NAME

DRAWING NUMBER

S102

 V.2.1



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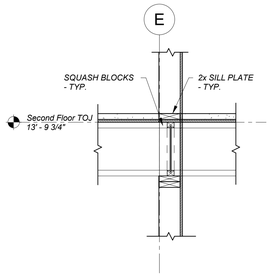

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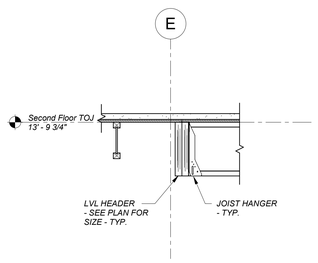

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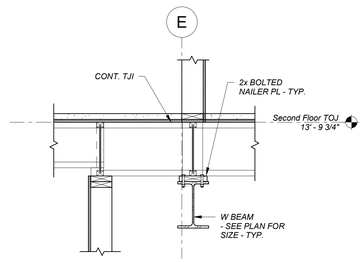

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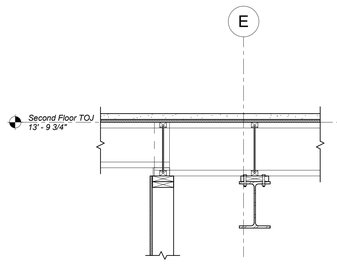

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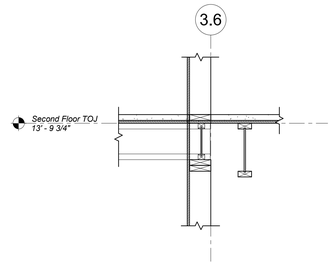

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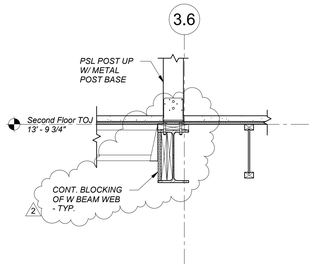

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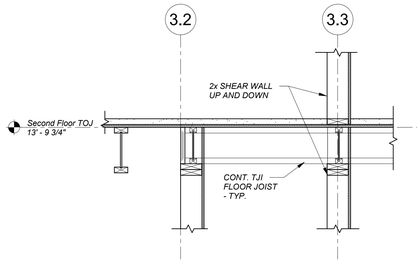

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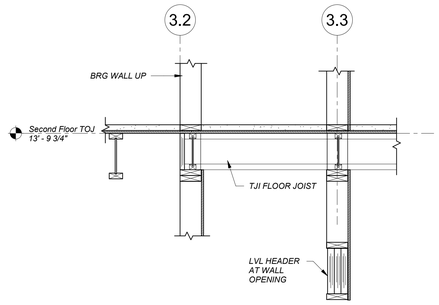

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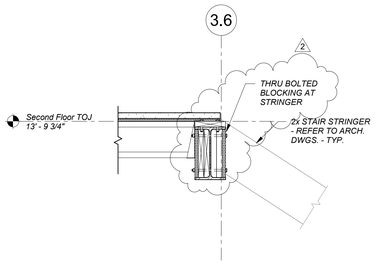

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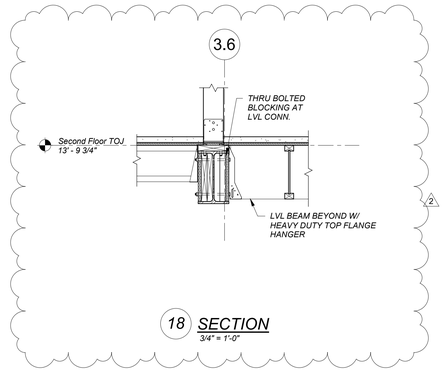

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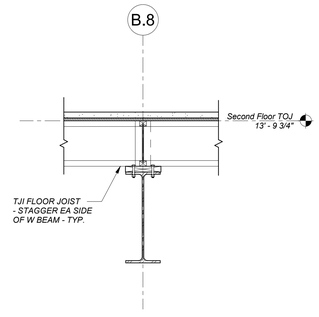

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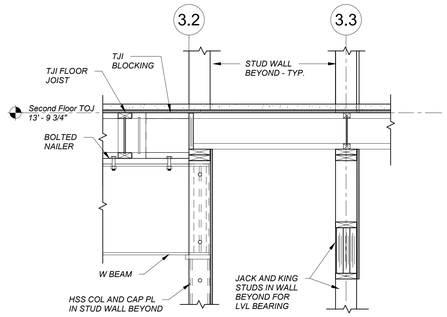

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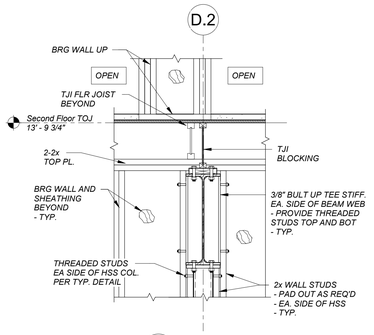

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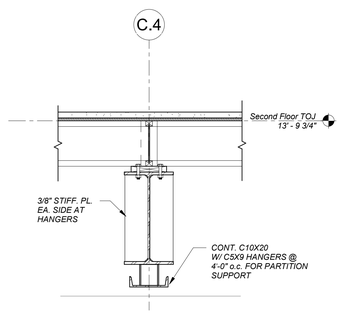

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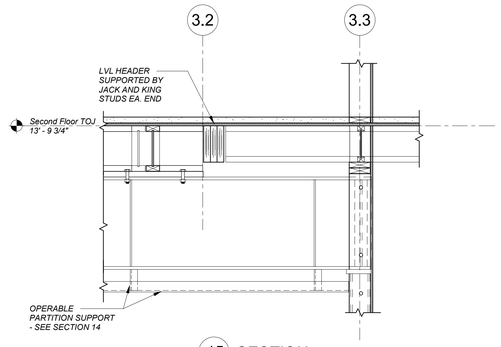

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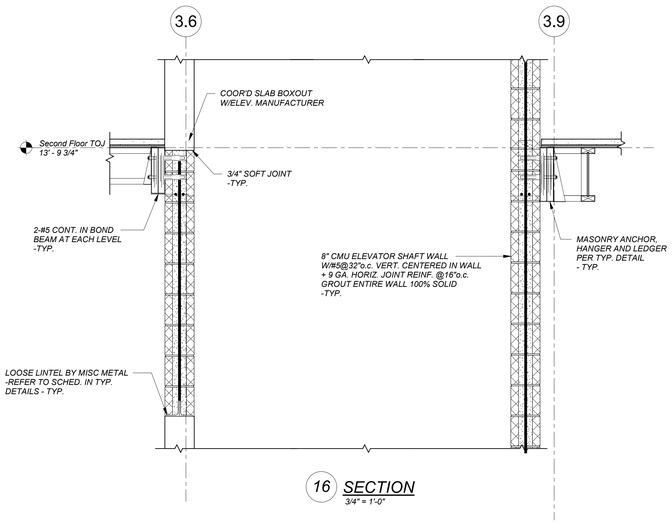

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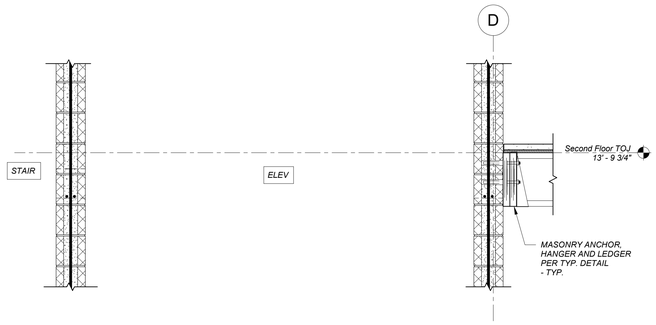

17 SECTION
3/4" = 1'-0"

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REVISIONS

2 Addendum #2	08/03/2022
DATE	

DRAWING TITLE
Framing Sections II

DRAWING INFORMATION

07/22/22 — DATE OF ISSUE
Construction Documents — DESCRIPTION
3/4" = 1'-0" — SCALE
Author — DRAWN BY
3403.00 — PROJECT #
FILE NAME

DRAWING NUMBER
S502

V.2.1

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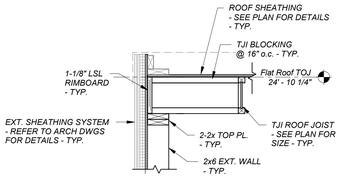

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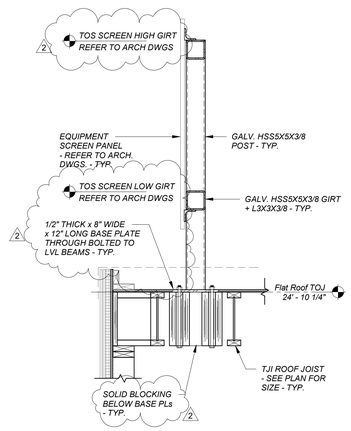

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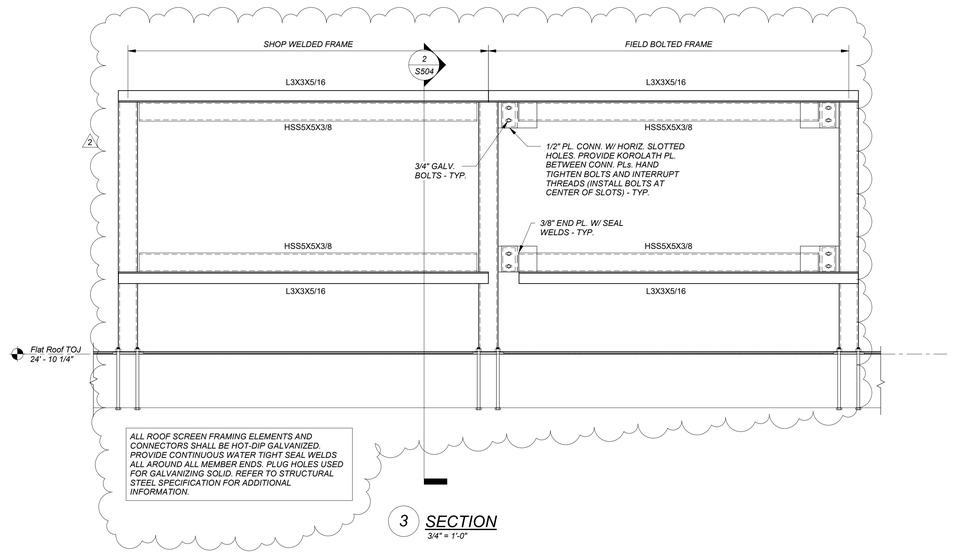

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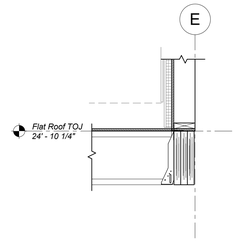

4 SECTION
3/4" = 1'-0"

5 SECTION
3/4" = 1'-0"

6 SECTION
3/4" = 1'-0"

7 SECTION
3/4" = 1'-0"

8 SECTION
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REVISIONS

2	Addendum #2	08/03/2022

DATE

DRAWING TITLE
Framing Sections IV

DRAWING INFORMATION

07/22/22
DATE OF ISSUE
Construction Documents
DESCRIPTION
3/4" = 1'-0"
SCALE
Author
DRAWN BY
3403.00
PROJECT #
FILE NAME

DRAWING NUMBER
S504

V.2.1

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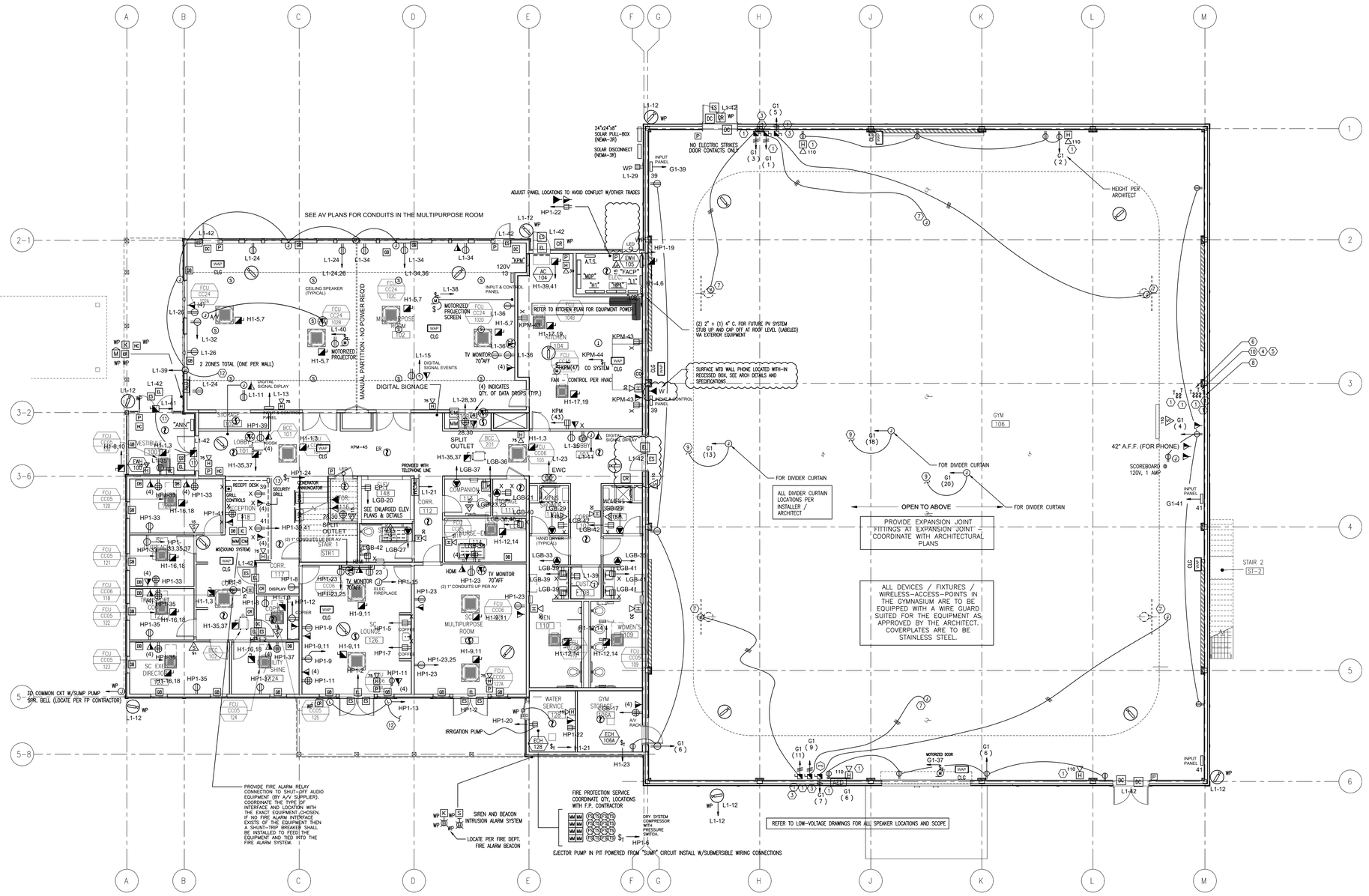
8/1/2022 3:09:37 PM Author



1 First Floor Plan
1/8" = 1'-0"

POWER NEW WORK PLAN GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR IS TO PROVIDE INTERLOCKING CONNECTIONS FOR ALL HVAC EQUIPMENT AS REQUIRED. REFER TO THE MECHANICAL SCHEDULES FOR EXACT INTERLOCKING INFORMATION. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF ALL HVAC EQUIPMENT, ETC. PRIOR TO INSTALLATION.
2. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING SITE SWITCHES PRIOR TO INSTALLATION.
3. THE EXACT MOUNTING HEIGHTS FOR ALL DEVICES IS TO BE COORDINATED WITH THE CABINETRY CHOSEN. COMPUTER OUTLETS ARE TO BE MOUNTED BELOW THE LEVEL OF THE WORK SURFACE. T.V. OUTLETS (BOTH POWER AND CATV) ARE TO BE MOUNTED BEHIND THE T.V (WALL) OR CENTERED UNDER THE GROMIT (FLOOR).
4. ALL DISCONNECTS FOR MECHANICAL UNITS ARE TO BE MOUNTED SECURELY TO THE FLOOR/STRUCTURE. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL UNISTRUT AND MOUNTING HARDWARE AS REQUIRED TO MOUNT THE DISCONNECTS.
5. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT RECEPTACLE TYPE AND VOLTAGE FOR ALL EQUIPMENT WITH THE RESPECTIVE EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
6. CENTER LIGHTS, OUTLETS, DEVICES ON LENGTHS OF WALLS OR BETWEEN WINDOWS.
7. STACK DEVICES, OUTLETS AND SWITCHES WHENEVER POSSIBLE. SWITCHES, OUTLETS AND DEVICES SHALL BE CLEAR OF DOOR SWINGS.
8. ALL PANEL TUBS LOCATED IN DEMISING WALLS SHALL BE RATED TO MATCH THE WALL ASSEMBLY. COORDINATE METHOD OF RATING WITH THE G.C.
9. AT EACH FSD (FIRE-SMOKE DAMPER) LOCATION, PROVIDE CONTROL AND MONITOR MODULES, DUCT SMOKE DETECTOR WITH REMOTE TEST STATION, ACCESSIBLE, WALL MOUNTED 6" BELOW FINISHED CEILING.
10. PROVIDE #10AWG FOR ALL 120VOLT CIRCUITS THAT EXCEED 120 FEET IN LENGTH FROM MIDDLE OF BRANCH CIRCUIT.
11. INCLUDE ALL WIRING (INCLUDING TO SWITCHES) FOR ALL DOOR OPERATORS – COORDINATE WITH THE DOOR INSTALLER AT THE TIME OF INSTALLATION. WIRE FROM THE CIRCUITS IN THE MDF ROOM AND INCLUDE TRANSFORMERS FOR LOW VOLTAGE AS NECESSARY.
13. THE ELECTRICAL CONTRACTOR SHALL REVIEW AND INCLUDE ALL NECESSARY SCOPE AS LISTED TO BE PERFORMED BY THE G.C./E.C. ON THE SECURITY/HARDWARE/A-V AND TEL-DATA PLANS.
14. CLARIFICATION IS TO BE OBTAINED PRIOR TO BID IF ANY PORTION OF THE SCOPE IS UNCLEAR.

POWER NEW WORK PLAN KEYNOTES:

1. THIS DEVICE / FIXTURE IS TO BE EQUIPPED WITH A WIRE GUARD AS APPROVED BY THE ARCHITECT.
2. FIELD COORDINATE THE ROUTING OF CONDUIT TO THE FLOOR BOXES. ALL CONDUIT IS TO BE CONCEALED. THE ELECTRICAL CONTRACTOR IS TO CLOSELY COORDINATE THE FINISHING OF WALLS, FLOOR, ETC. WITH THE GENERAL CONTRACTOR. IN ADDITION TO THE POWER CIRCUIT SHOWN, ONE (1) 1" CONDUIT IS TO BE RUN TO EACH BOX TO RUN DATA CABLING.
3. THE ELECTRICAL CONTRACTOR IS TO PROVIDE POWER TO THE BASKETBALL GOALS AS REQUIRED. INCLUDE THE INSTALLATION OF ALL ASSOCIATED CONTROLS. THE CONTRACTOR IS TO VERIFY THE DISCONNECT MOUNTING HEIGHT, POWER REQUIREMENTS, AND CONNECTION POINTS AND ADJUST ACCORDINGLY.
4. THE ELECTRICAL CONTRACTOR IS TO WIRE THIS SWITCH TO CONTROL ALL ELECTRICALLY OPERATED BLINDS/SHADES – PROVIDE AND INSTALL A CONTACTOR TO ACCOMPLISH THIS.
5. CONNECT THIS CIRCUIT TO THE ELECTRICALLY OPERATED BLINDS/SHADES AND CONTROL PER UPPER FLOOR PLAN. COORDINATE THE EXACT POINT OF CONNECTION WITH THE BLIND/SHADE INSTALLER IN THE FIELD. EXTEND THE WIRE AND CONDUIT AS NECESSARY, TO THE POINT OF CONNECTION.
6. THE ELECTRICAL CONTRACTOR IS TO WIRE THIS SWITCH TO CONTROL ALL ELECTRICALLY OPERATED GOALS – PROVIDE AND INSTALL A CONTACTOR TO ACCOMPLISH THIS.
7. CONNECT THIS CIRCUIT TO THE ELECTRICALLY OPERATED GOALS AND CONTROL PER KEYNOTES. COORDINATE THE EXACT POINT OF CONNECTION WITH THE GOAL INSTALLER IN THE FIELD. EXTEND THE WIRE AND CONDUIT AS NECESSARY, TO THE POINT OF CONNECTION.
8. THE ELECTRICAL CONTRACTOR IS TO WIRE THIS SWITCH TO CONTROL ALL ELECTRICALLY OPERATED DIVIDER CURTAINS.
9. CONNECT THIS CIRCUIT TO THE ELECTRICALLY OPERATED DIVIDER CURTAINS AND CONTROL PER KEYNOTES. COORDINATE THE EXACT POINT OF CONNECTION WITH THE CURTAIN INSTALLER IN THE FIELD. EXTEND THE WIRE AND CONDUIT AS NECESSARY, TO THE POINT OF CONNECTION.
10. THERE ARE TO BE A TOTAL OF TWO (2) BLINDS/SHADES SWITCHES – ONE PER CIRCUIT/ZONE. EACH SWITCH IS TO BE "KEYED" TYPE AND BE LABELED APPROPRIATELY TO INDICATE THE APPLICABLE ZONE – USE MICARTA PLATE LABELING.
11. WIRE ALL ASPECTS OF THE HANDICAP DOOR OPERATOR SYSTEM (4 DOORS).
12. CONNECT THIS CIRCUIT TO THE ELECTRICALLY OPERATED BLINDS/SHADES AND CONTROL PER KEYNOTES. COORDINATE THE EXACT POINT OF CONNECTION WITH THE BLIND/SHADE INSTALLER IN THE FIELD. EXTEND THE WIRE AND CONDUIT AS NECESSARY, TO THE POINT OF CONNECTION.
13. CONNECT THIS CIRCUIT TO THE ELECTRICALLY OPERATED SECURITY GRILL AND CONTROL PER KEYNOTES. COORDINATE THE EXACT POINT OF CONNECTION WITH THE GRILL INSTALLER IN THE FIELD. EXTEND THE WIRE AND CONDUIT AS NECESSARY, TO THE POINT OF CONNECTION, INCLUDING OPEN/CLOSE PUSHBUTTON CONTROLS AND EMERGENCY EGRESS PULL HANDLE MANUAL RELEASE STATION.

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REVISIONS

		DATE
1.	ADDENDUM #2 08/03/2022	

DRAWING TITLE

Electrical First Floor Plan Power & Fire Alarm

DRAWING INFORMATION

07/22/22
DATE OF ISSUE

Construction Documents
DESCRIPTION

SCALE	RB/AP DRAWN BY
61184 PROJECT #	61184 - E100 FIRST FLOOR PLAN

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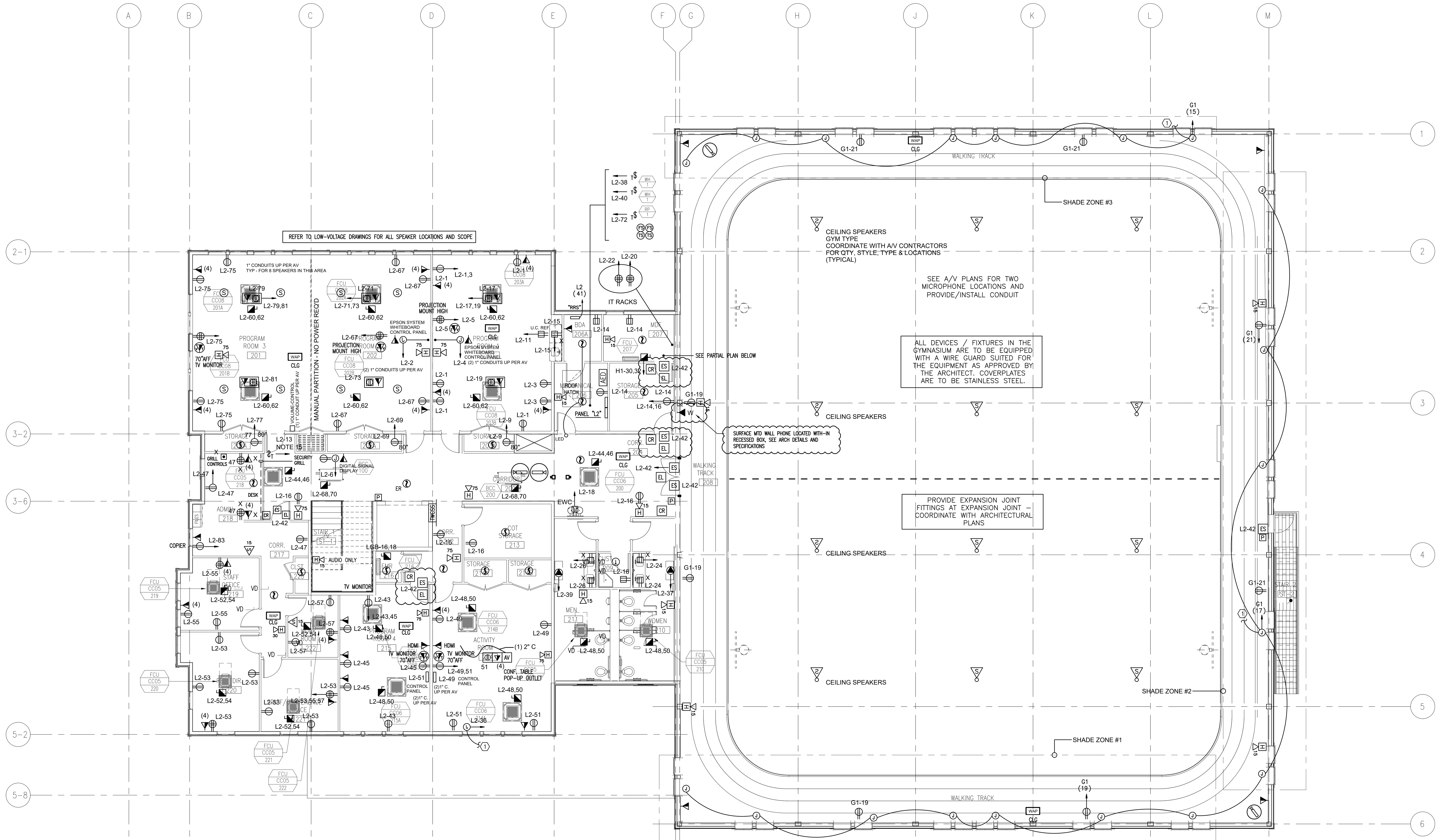


POWER NEW WORK PLAN KEYNOTES:

(1) CONNECT THIS CIRCUIT TO THE ELECTRICALLY OPERATED BLINDS/SHADES AND CONTROL PER KEYNOTES. COORDINATE THE EXACT POINT OF CONNECTION WITH THE BLIND/SHADE INSTALLER IN THE FIELD. EXTEND THE WIRE AND CONDUIT AS NECESSARY, TO THE POINT OF CONNECTION.

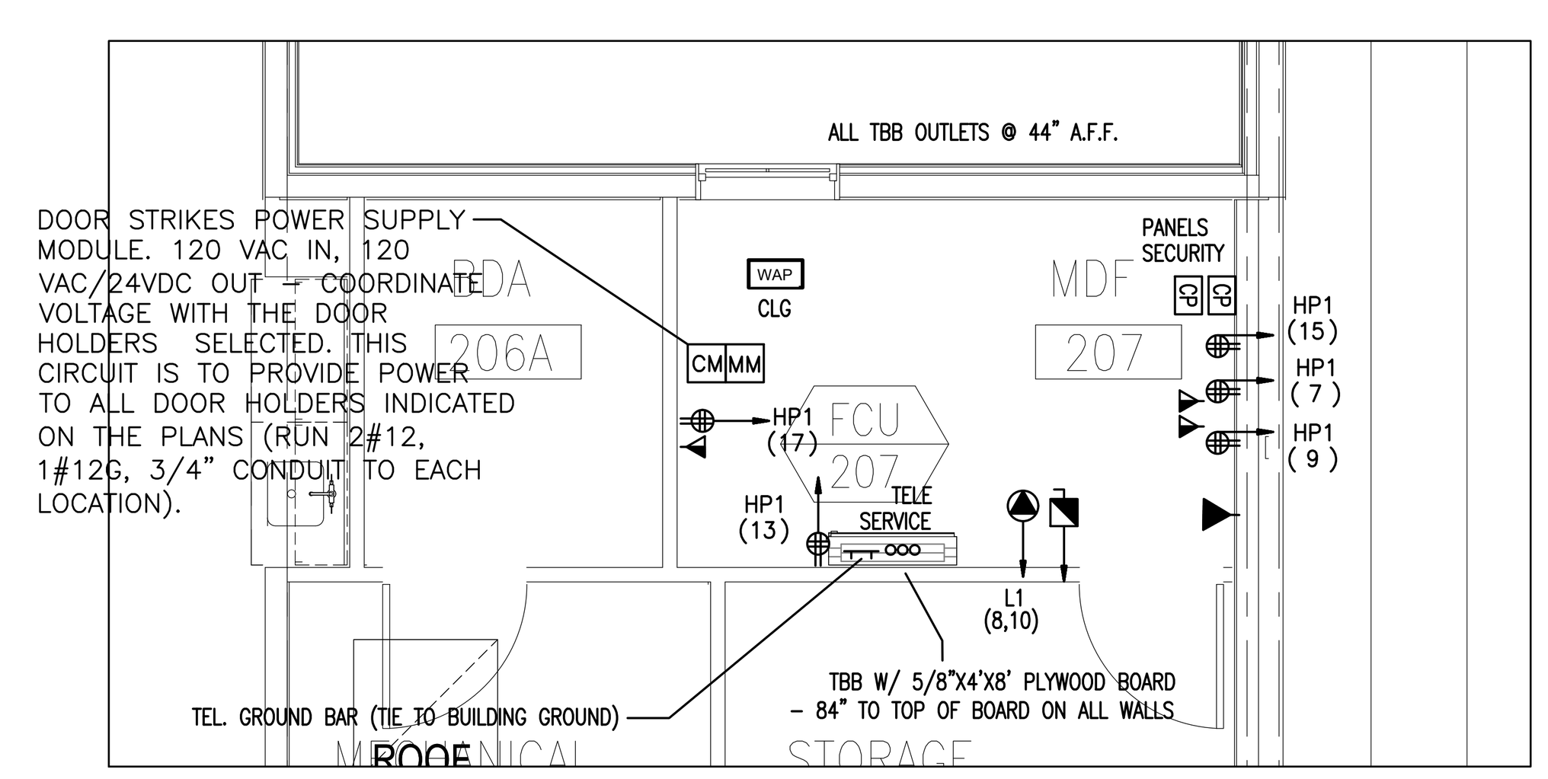
1 Second Floor Plan
1/8" = 1'-0"

POWER NEW WORK PLAN GENERAL NOTES:

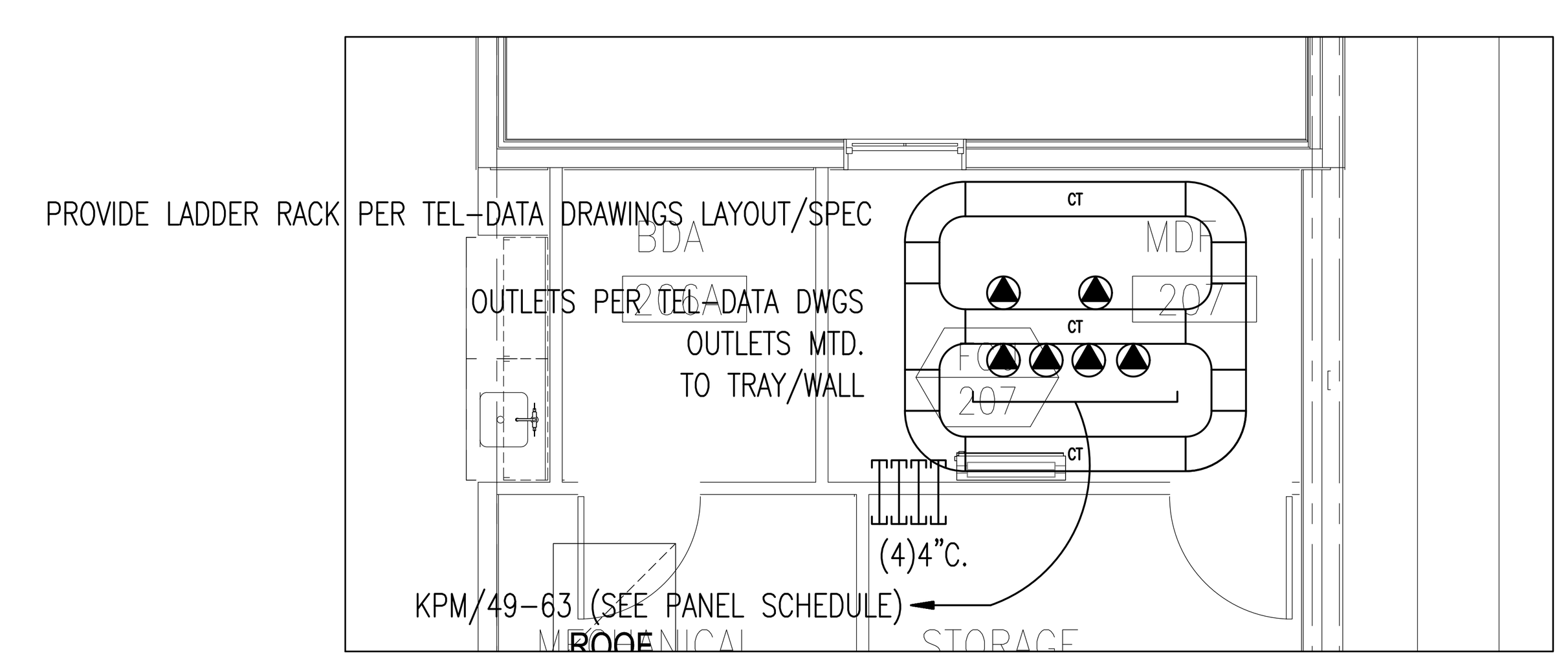
1. THE ELECTRICAL CONTRACTOR IS TO PROVIDE INTERLOCKING CONNECTIONS FOR ALL HVAC EQUIPMENT AS REQUIRED. REFER TO THE MECHANICAL SCHEDULES FOR EXACT INTERLOCKING INFORMATION. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF ALL HVAC EQUIPMENT, ETC. PRIOR TO INSTALLATION.
2. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING SITE SWITCHES PRIOR TO INSTALLATION.
3. THE EXACT MOUNTING HEIGHTS FOR ALL DEVICES IS TO BE COORDINATED WITH THE CABINETRY CHOSEN. COMPUTER OUTLETS ARE TO BE MOUNTED BELOW THE LEVEL OF THE WORK SURFACE. T.V. OUTLETS (BOTH POWER AND CATV) ARE TO BE MOUNTED BEHIND THE T.V (WALL) OR CENTERED UNDER THE GROMIT (FLOOR).
4. ALL DISCONNECTS FOR MECHANICAL UNITS ARE TO BE MOUNTED SECURELY TO THE FLOOR/STRUCTURE. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL UNISTRUT AND MOUNTING HARDWARE AS REQUIRED TO MOUNT THE DISCONNECTS.
5. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT RECEPTACLE TYPE AND VOLTAGE FOR ALL EQUIPMENT WITH THE RESPECTIVE EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
6. CENTER LIGHTS, OUTLETS, DEVICES ON LENGTHS OF WALLS OR BETWEEN WINDOWS.
7. STACK DEVICES, OUTLETS AND SWITCHES WHENEVER POSSIBLE. SWITCHES, OUTLETS AND DEVICES SHALL BE CLEAR OF DOOR SWINGS.
8. ALL PANEL TUBS LOCATED IN DEMISING WALLS SHALL BE RATED TO MATCH THE WALL ASSEMBLY. COORDINATE METHOD OF RATING WITH THE G.C.
9. BIDIRECTIONAL AMPLIFIER IS PART OF THE FIREFIGHTERS RADIO COMMUNICATION SYSTEM. SYSTEM PROVIDED BY EC AND MANUFACTURED BY COMMTRONICS / ALL-PRO. REVIEW SITE SPECIFIC COMPONENTS AND LOCATIONS FOR ANTENNAS, RADIATING CABLE, NONRADIATING CABLE, ETC. EC TO PROVIDE 2HR RATED PATHWAY / ROOM FOR CABLES AND HEAD-END SYSTEM.
10. AT EACH FSD (FIRE-SMOKE DAMPER) LOCATION, PROVIDE CONTROL AND MONITOR MODULES, DUCT SMOKE DETECTOR WITH REMOTE TEST STATION, ACCESSIBLE, WALL MOUNTED 6" BELOW FINISHED CEILING.
11. PROVIDE #10AWG FOR ALL 120VOLT CIRCUITS THAT EXCEED 120 FEET IN LENGTH FROM MIDDLE OF BRANCH CIRCUIT.
12. PROVIDE MASSACHUSETTS APPROVED BOILER SHUT-OFF SWITCH OUTSIDE BOILER ROOM TO SHUT-OFF ALL GAS / OIL BURNING EQUIPMENT AS APPLICABLE.
13. THE ELECTRICAL CONTRACTOR SHALL REVIEW AND INCLUDE ALL NECESSARY SCOPE AS LISTED TO BE PERFORMED BY THE G.C./E.C. ON THE SECURITY/HARDWARE/A-V AND TEL-DATA PLANS.
14. CLARIFICATION IS TO BE OBTAINED PRIOR TO BID IF ANY PORTION OF THE SCOPE IS UNCLEAR.
15. CONNECT THIS CIRCUIT TO THE ELECTRICALLY OPERATED SECURITY GRILL AND CONTROL PER KEYNOTES. COORDINATE THE EXACT POINT OF CONNECTION WITH THE GRILL INSTALLER IN THE FIELD. EXTEND THE WIRE AND CONDUIT AS NECESSARY, TO THE POINT OF CONNECTION, INCLUDING OPEN/CLOSE PUSHBUTTON CONTROLS AND EMERGENCY EGRESS PULL HANDLE MANUAL RELEASE STATION.

NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE ALARM TIE-IN FOR EACH FLOOR ON EACH SECURITY PLYWOOD BACKBOARD. TIE-IN TO BE "NORMALLY CLOSED, OPEN ON ALARM" TYPE RELAY. USE 18AWG, 2-CONDUCTOR PLENUM RATED CABLE WITH RED JACKET.
2. ELECTRICAL CONTRACTOR TO PROVIDE FIRE ALARM TIE-IN WITHIN A RED SURFACE MOUNTED JUNCTION BOX INSTALLED ON THE SECURITY PLYWOOD BACKBOARD.
3. SECURITY CONTRACTOR TO TIE-IN THE FIRE ALARM RELAY TO THE LOCK POWER SUPPLY AND ACCESS CONTROL PANEL.



2 Part Plan - MDF Room Outlets
1/4" = 1'-0"



3 Part Plan - MDF Room Cable Tray
1/4" = 1'-0"

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REVISIONS

1. ADDENDUM #2 08/03/2022

DATE

DRAWING TITLE

Electrical Second Floor Plan Power & Fire Alarm

DRAWING INFORMATION

07/22/22
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Construction Documents
DESCRIPTION

SCALE

CD/PL
DRAWN BY

61184
PROJECT #

61184 - E101 SECOND FLOOR PLAN
FILE NAME

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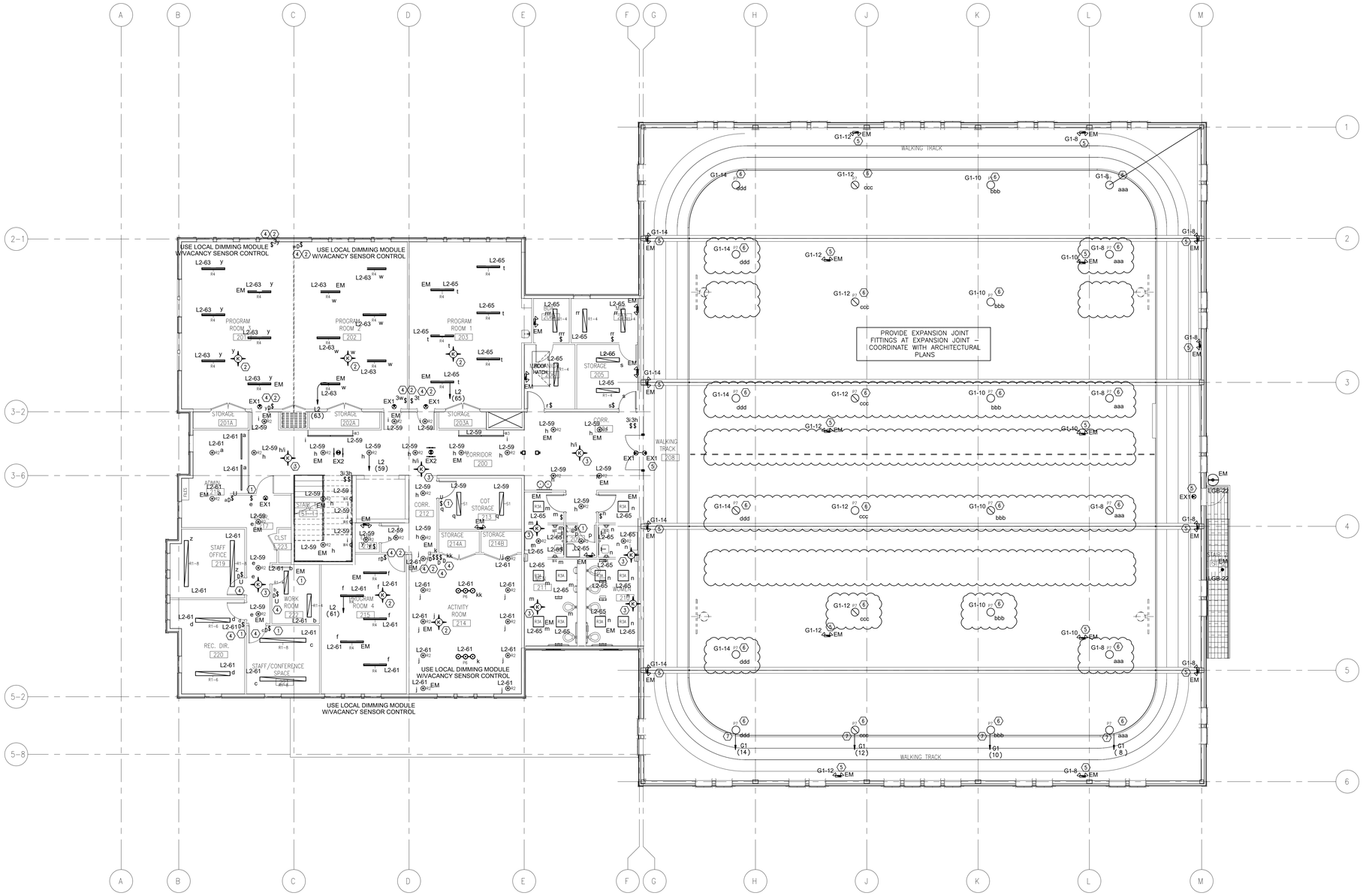


1 Second Floor Plan
1/8" = 1'-0"

LIGHTING NEW WORK PLAN GENERAL NOTES:

1. LIGHTING CONTROLS ARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
2. ALL LIGHT FIXTURES LOCATIONS ARE TO BE COORDINATED WITH ARCHITECTURAL/INTERIOR DESIGNER PLANS. LIGHT FIXTURE LOCATIONS ARE TO BE COORDINATED WITH DUCTWORK, EQUIPMENT, ETC.
3. CIRCUIT LEGS POWERING EXIT SIGNS AND EMERGENCY FIXTURES SHALL BE UNSWITCHED/UNCONTROLLED AND BE POWERED FROM THE LOCAL LIGHTING CIRCUIT. EXIT SIGN MOUNTING HEIGHTS ARE TO BE COORDINATED WITH THE CEILING HEIGHT SUCH THAT THE EXIT SIGNS ARE VISIBLE THROUGHOUT THE AREAS SERVED.
4. COORDINATE THE FINAL VOLTAGES OF ALL FIXTURES WITH THE VOLTAGE OF THE CIRCUIT INDICATED.
5. LOWER CASE LETTERS INDICATE SWITCH ZONES. WIRE CONTROLS ACCORDINGLY.
6. PROVIDE MULTIPLE POWER PACKS FOR SENSORS SERVING MULTIPLE ZONES. INTERCONNECT MULTIPLE SENSORS WHEN SERVING THE SAME ZONE.
7. RUN NEUTRAL WIRES TO ALL SENSOR SWITCH LOCATIONS. PROVIDE EXTRA LEGS FOR 3-WAY SWITCHING LOCATIONS.
8. REFER TO UNIT PLANS FOR UNIT LIGHTING.
9. RUN HOT LEG TO INDEPENDENTLY CONTROLLED ZONES FOR FOR AREAS NOT CONTROLLED BY THE LIGHTING CONTROL PANEL.
10. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE INSTALLATION OF THE GYMNASIUM LIGHTS WITH THE STRUCTURAL AT THE FIXTURE LOCATIONS SHOWN TO ACHIEVE THE MOUNTING HEIGHT SHOWN ON THE ARCHITECTURAL ELEVATIONS. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL ANY HARDWARE (I.E. UNISTRUT, ANGLE IRON, ETC.) TO PROVIDE THE STRUCTURAL SUPPORT FOR THE FIXTURE. ANY CONFLICTS OR OBSTRUCTIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER FOR RESOLUTION. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE FIXTURE MANUFACTURER'S SPECIFICATIONS.
11. ALL POWER PACKS ARE TO BE EQUIPPED WITH AN AUXILIARY RELAY FOR CONNECTION BY THE HVAC / CONTROLS CONTRACTOR TO CVRs.

LIGHTING NEW WORK PLAN KEYNOTES:

(1) THE TIMERS ON THIS CIRCUIT ARE TO BE PROGRAMMED FOR 30 MINUTES.

(2) THE LIGHT FIXTURES ON THIS CIRCUIT ARE TO BE CONTROLLED BY THE VACANCY SENSOR(S) SHOWN IN THE SAME AREA. THE WALL SWITCHES ARE TO SERVE AS MANUAL ON/OFF OVER-RIDES. ALL VACANCY SENSORS ARE TO BE PROGRAMMED FOR 15-30 MINUTES AS DIRECTED BY THE OWNER. LOWER CASE LETTERS INDICATE ZONES AND LOW-VOLTAGE WIRING IS TO BE RUN BETWEEN SENSORS THAT SERVE THE SAME ZONE. REFER TO WIRING DIAGRAM.

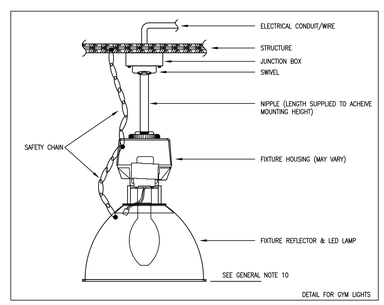
(3) THIS ZONE IS TO BE WIRED SIMILARLY TO KEYNOTE #2 EXCEPT THAT THE CONTROLS ARE TO BE IN OCCUPANCY SENSING MODE (IN LIEU OF VACANCY SENSING MODE).

(4) DIMMING IS TO BE IMPLEMENTED FOR THIS ZONE – INCLUDE ALL LOW & LINE VOLTAGE WIRING (INSTALLED IN A SEPARATE RACEWAY) AS REQUIRED BETWEEN THE SWITCH/CONTROLLER AND ALL CONTROLLED FIXTURES. THE DIMMER SWITCH IS TO BE FULLY COMPATIBLE WITH THE CHOSEN DIMMING BALLAST/FIXTURE. THE FIXTURES ARE TO BE ORDERED WITH IDENTICAL DIMMING SYSTEM CHARACTERISTICS WHERE MULTIPLE FIXTURE TYPES SHARE A DIMMING CONTROL SWITCH.

(5) THIS DEVICE / FIXTURE IS TO BE INSTALLED WITH A WIRE GUARD COVER AS APPROVED BY THE ARCHITECT.

(6) THIS DEVICE/FIXTURE IS TO BE INSTALLED WITH A WIRE GUARD AND GLASS LENS AS APPROVED BY THE ARCHITECT.

(7) THIS CIRCUIT IS TO BE ROUTED THROUGH THE GYM LIGHTING CONTROLLER (PROGRAMMED PER THE OWNER). USE A HUBBELL #CX SERIES 8-RELAY DIGITAL LIGHTING CONTROLLER OR APPROVED EQUAL MOUNTED ADJACENT TO THE ELECTRICAL PANEL AND INSTALL THE MANUAL SWITCHES AS SHOWN.



DETAIL FOR GYM LIGHTS

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REVISIONS

		DATE
1.	ADDENDUM #2 08/03/2022	

DRAWING TITLE

Second Floor Plan Lighting

DRAWING INFORMATION

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DATE OF ISSUE

Construction Documents
DESCRIPTION

SCALE

CD/PL
DRAWN BY

61184
PROJECT #

61184 - E201 SECOND FLOOR PLAN

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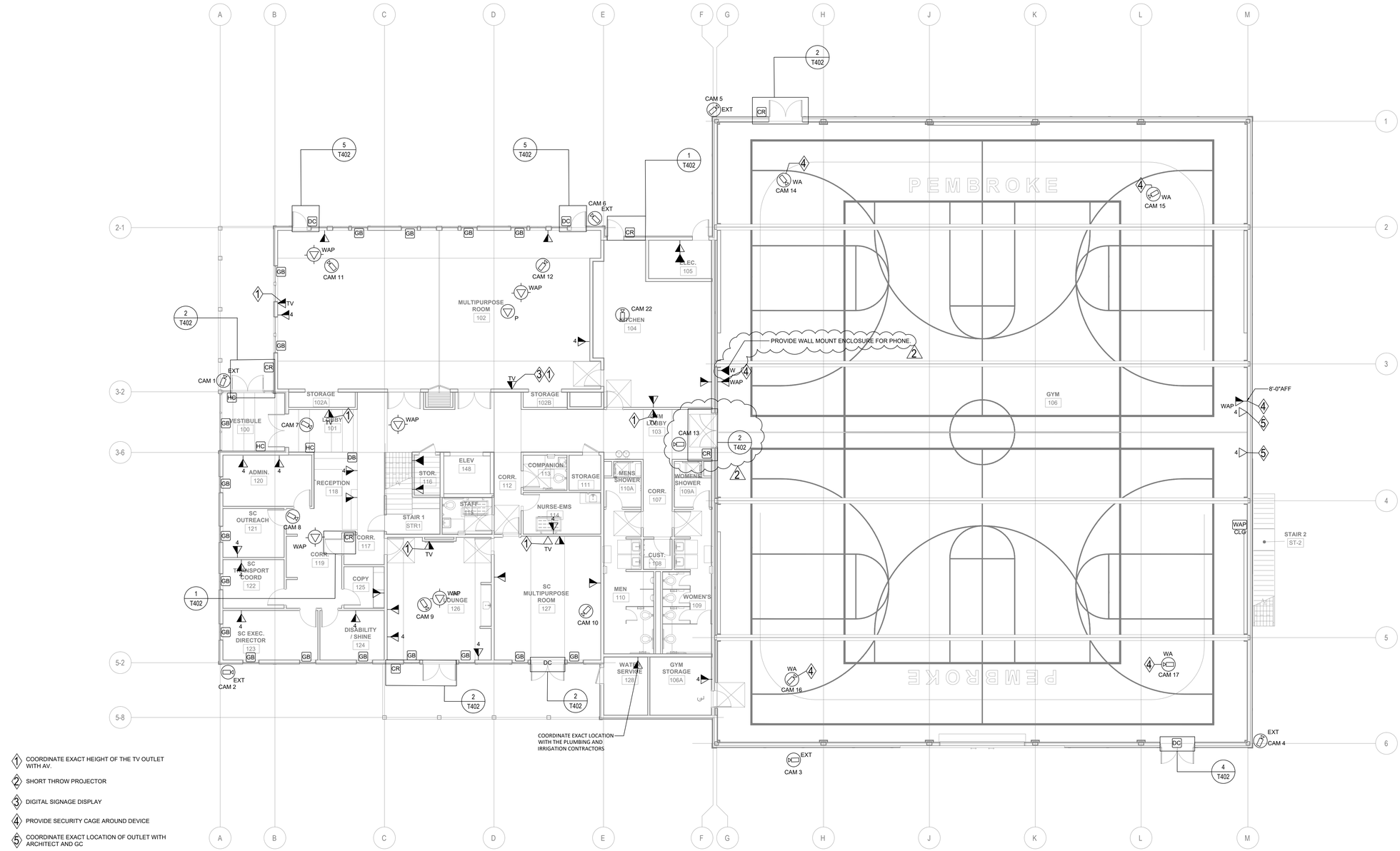

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REVISIONS

2	ADDENDUM 2	8/5/2022

DATE

DRAWING TITLE

Technology First Floor Plan

DRAWING INFORMATION

7/22/22
DATE OF ISSUE

Site Plan Review
DESCRIPTION

1/8" = 1'-0"
SCALE

EO
DRAWN BY

3403.00
PROJECT #

Pembroke
FILE NAME

DRAWING NUMBER

T101

V.2.1

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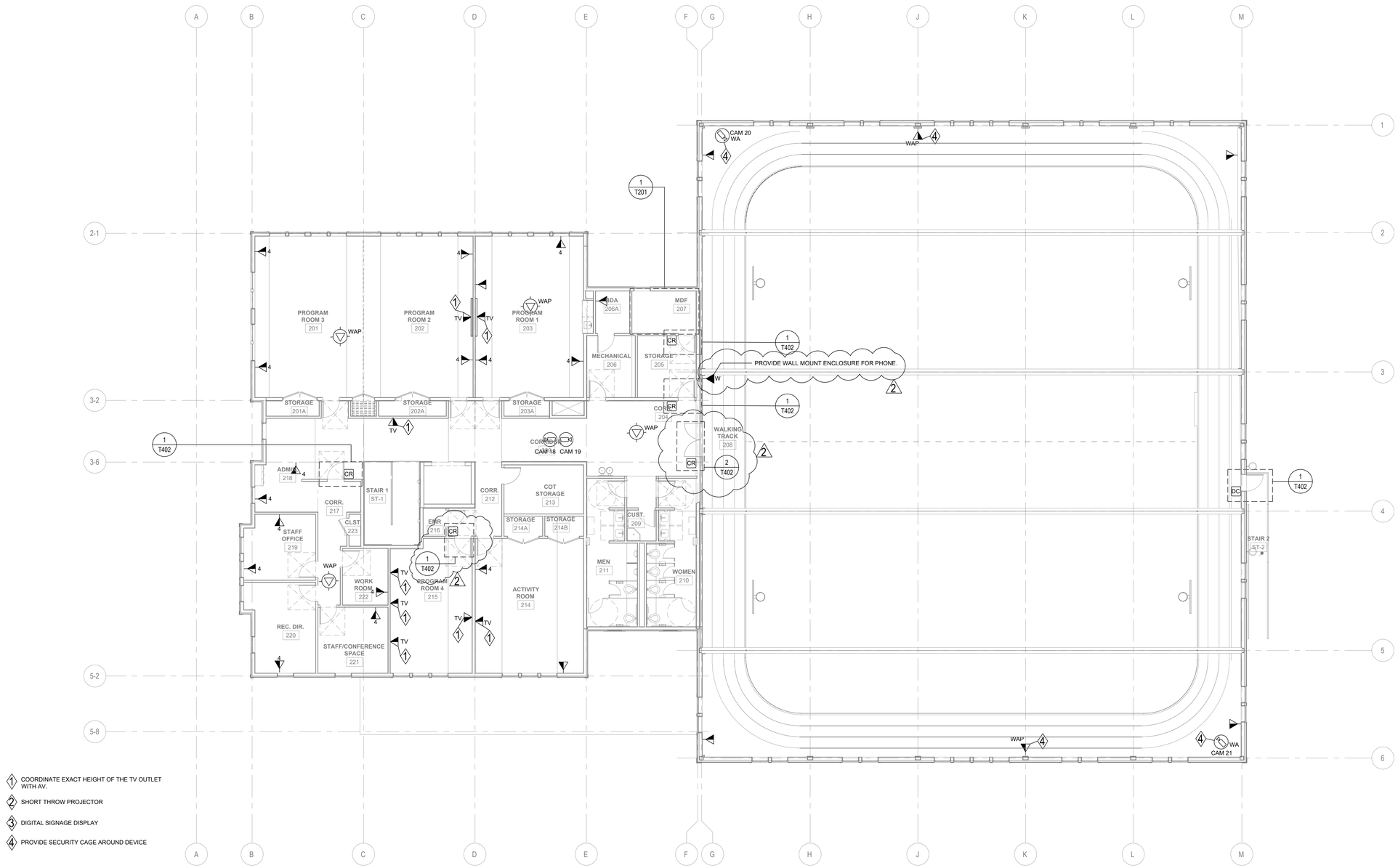

1. COORDINATE EXACT HEIGHT OF THE TV OUTLET WITH AV.
2. SHORT THROW PROJECTOR
3. DIGITAL SIGNAGE DISPLAY
4. PROVIDE SECURITY CAGE AROUND DEVICE

ARCHITECT

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Bridgewater, MA 02424
(508) 819-1550

REVISIONS

2	ADDENDUM 2	8/5/2022

DATE

DRAWING TITLE

Technology Second Floor Plan

DRAWING INFORMATION

7/22/22
DATE OF ISSUE

Site Plan Review
DESCRIPTION

1/8" = 1'-0"
SCALE

EO
DRAWN BY

3403.00
PROJECT #

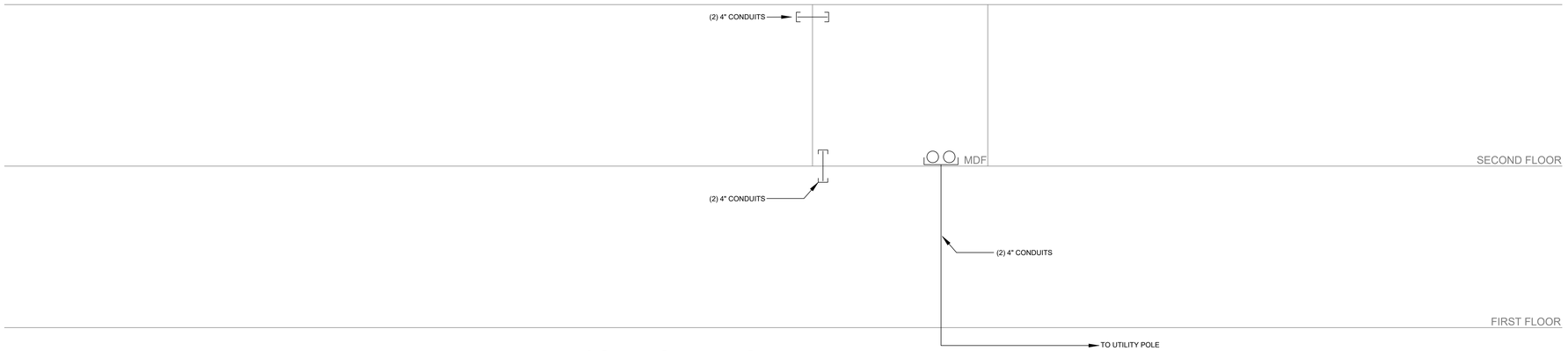
Pembroke
FILE NAME

DRAWING NUMBER

T102

V.2.1

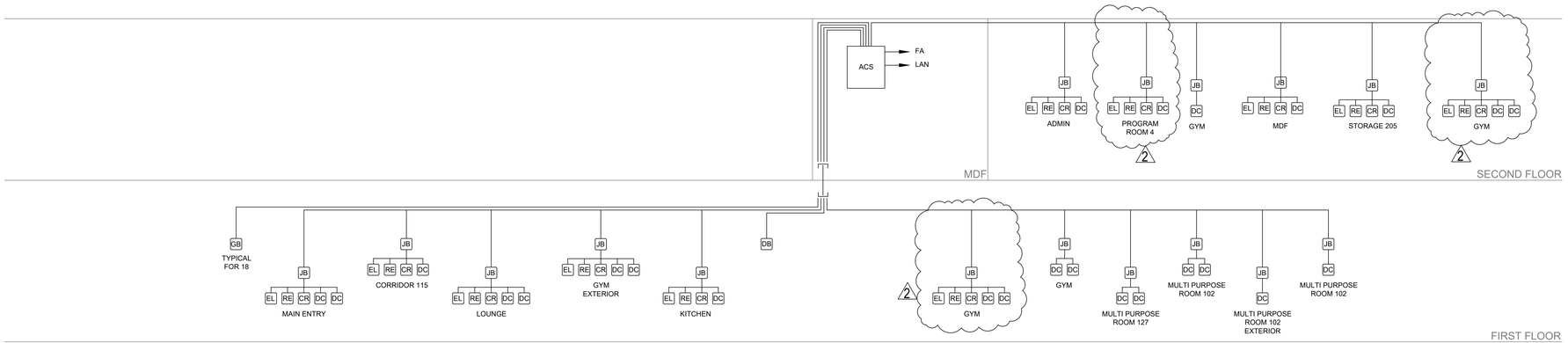
BIM 360://Pembroke Community Center/PembrokeCommunityCenter_BIM360_FINAL_032822.rvt
5/26/2022 10:24:41 AM Author



TELECOM RISER DIAGRAM

DRAWING NOTES

FA	FIRE ALARM INTERFACE
LAN	(1) CAT 6 20' PATCH CORD
CR	(1) 22/6 SHIELDED
RE	(1) 18/4 SHIELDED
DC	(1) 18/2 SHIELDED
EL	(1) 16/2 SHIELDED
	(1) CAT6 4 PAIR UTP PLENUM
JB	12"X12"X4" JUNCTION BOX WITH HINGED COVER
GB	(1) 18/4 SHIELDED
DB	(1) 18/4 SHIELDED



CARD ACESS RISER DIAGRAM

VIDEO SURVEILLANCE RISER DIAGRAM

ARCHITECT

bh+a

Bargmann Hendrie + Archetype, Inc.
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Boston, MA 02210
(617) 350 0450

PROJECT NAME

Pembroke Community Center

128 Center Street
Pembroke, MA, 02359

CLIENT

Town of Pembroke MA

100 Center Street
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REVISIONS

2	ADDENDUM 2	8/5/2022
		DATE

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Technology Risers

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T301

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