

STATTER HARBOR PHASE IIIC – RESTROOMS AND COVERED SHELTER Volume II of II

Contract No. DH23-010



CITY AND BOROUGH OF JUNEAU

STATTER HARBOR PHASE IIIC

RESTROOMS AND COVERED SHELTER

CBJ CONTRACT No. DH23-010

JUNEAU, ALASKA

SEPTEMBER 29,2022

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CODE SUMMARY

CODE SUMMARY

CODE EDITION: 2012 INTERNATIONAL BUILDING CODE AS ADOPTED BY CBJ

OCCUPANCY:	GROUP	AREA	# OCC	EXITS
COVERED SHELTER	A3	1095 SF	219	2
RESTROOMS*	B	1423 SF	28	
TOTAL		2518 SF	219	2
* ACCESSORIY AREA-OCCUPANTS NOT COUNTED IN TOTAL				

TYPE OF CONSTRUCTION: VB

BUILDING HEIGHT:	
ACTUAL OF BUILDING:	13 FT
ALLOWABLE HEIGHT:	40 FT

SITE DESCRIPTION:	FIRE SEPARATION	FIRE RATING
NORTH SIDE	100 FT	NONE
EAST SIDE	100 FT	NONE
SOUTH SIDE	100 FT	NONE
WEST SIDE	100 FT	NONE

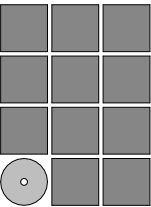
PERIMETER FRONTING ON PUBLIC WAY OR OPEN SPACE: 80 FT

WEIGHTED AVERAGE WIDTH OF FRONTAGE: 30 FT
11.36%

ALLOWABLE AREA INCREASE DUE TO FRONTAGE:

ALLOWABLE AREA	AREA	ALLOWED	RATIO	STATUS
FIRST FLOOR				
COVERED SHELTER	1095 SF	6681 SF	0.16	OK
RESTROOMS*	1423 SF	6681 SF	0.21	OK
TOTAL	2518 SF	6681 SF	0.38	OK

OCCUPANCY SEPARATIONS: NONE



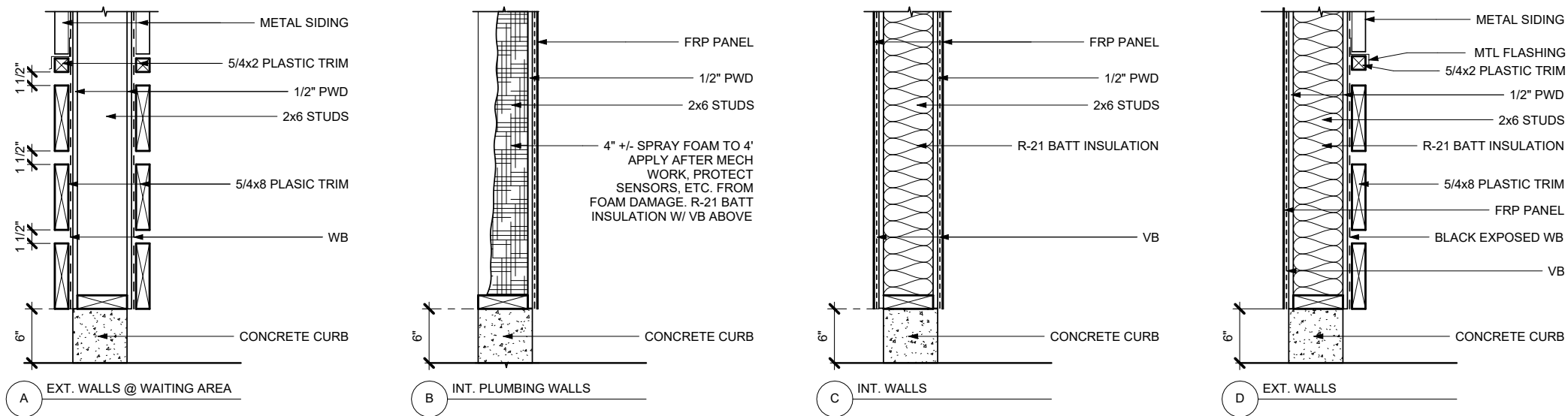
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A001

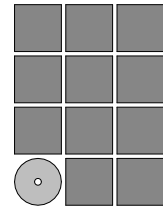
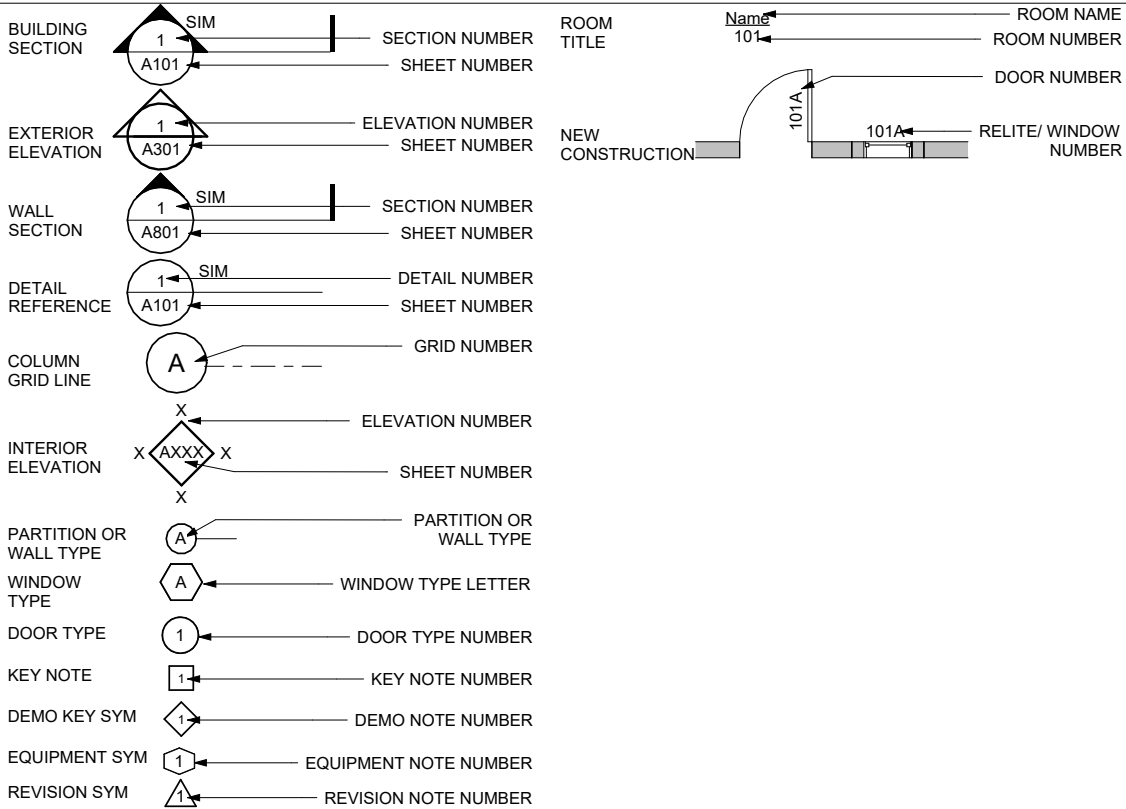
PARTITION TYPES



ABBREVIATIONS

∠	ANGLE	EMER	EMERGENCY	LAB	LABORATORY	RESIL	RESILIENT	WC	WATER CLOSET
AC	ASPHALT CONCRETE	ENCL	ENCLOSURE	LAM	LAMINATE	RH	ROBE HOOK	WD	WOOD
ACM	ASBESTOS CONTAINING MATERIAL	EPDM	ETHYLENE PROPYLENE DIANE MONOMER	LAV	LAVATORY	RL	RAIN LEADER	WO	WALK OFF MAT
ACP	ACOUSTICAL CEILING PANEL	EPS	EXPANDED POLYSTYRENE	LB	POUND	RM	ROOM	WP	WATERPROOF/WALL PANEL
ADJ	ADJUSTABLE	EQ	EQUAL	LT	LIGHT	RO	ROUGH OPENING	WR	WASTE RECEPTACLE
AFF	ABOVE FINISH FLOOR	EQP	EQUIPMENT	MIR	MIRROR	RUB	RUBBER	WSCT	WAINSCOT
AIB	AIR INFILTRATION BARRIER	EX	EXISTING	MDO	MEDIUM DENSITY OVERLAID	RWD	REDWOOD	WT	WEIGHT
AL	ALUMINUM	EXT	EXTERIOR	MECH	MECHANICAL	SASU	SELF ADHERING SHEET UNDERLAYMENT		
APPROX	APPROXIMATE			MEMB	MEMBRANE	SCD	SEAT COVER DISPENSER		
ARCH	ARCHITECTURAL	FA	FIRE ALARM	MFR	MANUFACTURER	SCHED	SCHEDULE		
ASB	ASBESTOS	FD	FLOOR DRAIN	MH	MANHOLE	SF	SQUARE FOOT		
		FEC	FIRE EXTINGUISHER CABINET	MIN	MINIMUM	SHR	SHOWER		
BD	BOARD	FF	FINISH FLOOR	MISC	MISCELLANEOUS	SHTH	SHEATHING		
BLDG	BUILDING	FGL	FIBER GLASS	MTD	MOUNTED	SIM	SIMILAR		
BLK	BLOCK	FHC	FIRE HOSE CABINET	MTL	METAL	SND	SANITARY NAPKIN DISPENSER		
BLKG	BLOCKING	FIN	FINISH	MUL	MULLION	SNR	SANITARY NAPKIN RECEPTACLE		
BM	BEAM	FLASH	FLASHING			SPEC	SPECIFICATIONS		
BOT	BOTTOM	FLR	FLOOR	NIC	NOT IN CONTRACT	SQ	SQUARE		
		FOC	FACE OF CONCRETE	NO OR #	NUMBER	STA	STATION		
CAB	CABINET	FOF	FACE OF FINISH	NOM	NOMINAL	STC	SOUND TRANSMISSION CLASS		
CB	CATCH BASIN	FOS	FACE OF STUD	NTS	NOT TO SCALE	STD	STANDARD		
CEM	CEMENT	FRP	(GLASS) FIBER REINFORCED PLASTIC	OA	OVERALL	STL	STEEL		
CG	CORNER GUARD			OC	ON CENTER	STOR	STORAGE		
CI	CAST IRON	FRPF	FIREPROOF	OD	OUTSIDE DIAMETER	STRUCT	STRUCTURAL		
CLG	CEILING	FR	FIRE RETARDANT	OFCI	OWNER FURNISHED	SS	STAINLESS STEEL		
COL	COLUMN	FSR	FLEXIBLE SHEET ROOFING	OFSI	OWNER FURNISHED	SUSP	SUSPENDED		
CONC	CONCRETE	FT	FOOT OR FEET	OFOI	OWNER FURNISHED	SY	SQUARE YARD		
CONT	CONTINUOUS	FTG	FOOTING	OFD	OWNER INSTALLED OVERFLOW DRAIN	TB	TOWEL BAR		
CTR	CENTER	FURR	FURRING	OFF	OFFICE	TC	TOP OF CURB		
CTSK	COUNTERSUNK			OPNG	OPENING	TEL	TELEPHONE		
		GA	GAUGE	OPP	OPPOSITE	TEMP	TEMPORARY		
DBL	DOUBLE	GB	GRAB BAR	OSB	ORIENTED STRAND BOARD	T&G	TONGUE & GROOVE		
DEPT	DEPARTMENT	GL	GLASS	OTS	OPEN TO STRUCTURE	TOB	TOP OF BEAM		
DF	DRINKING FOUNTAIN	GWB	GYP			TOC	TOP OF CONCRETE		
DET	DETAIL	GY		PL	PLATE	TOD	TOP OF DECK		
DIA	DIAMETER			PLAM	PLASTIC LAMINATE	TOP	TOP OF PLATE		
DIM	DIMENSION	HB	HOSE BIBB	PLAS	PLASTER	TPD	TOILET PAPER DISPENSER		
DISP	DISPENSER	HDWD	HARDWOOD	PC	PRE-CAST	TRD	TREAD		
DN	DOWN	HM	HOLLOW METAL	PF	PRE-FINISHED	TRTD	PRESSURE TREATED		
DR	DOOR	HORIZ	HORIZONTAL	PR	PAIR	TOW	TOP OF WALL		
DS	DOWNSPOUT	HT	HEIGHT	PWD	PLYWOOD	TYP	TYPICAL		
DWG	DRAWING	HW	HOT WATER						
DWR	DRAWER			R	RISER	UL	UNDERWRITERS LABORATORIES		
		ID	INSIDE DIAMETER	RAD	RADIUS	UNF	UNFINISHED		
EA	EACH	INSUL	INSULATION	RD	ROOF DRAIN	UON	UNLESS OTHERWISE NOTED		
EF	EXHAUST FAN	INT	INTERIOR	REF	REFERENCE	UR	URINAL		
EFIS	EXTERIOR INSULATION & FINISH SYSTEM			REFR	REFRIGERATOR				
EJ	EXPANSION JOINT	JAN	JANITOR	REINF	REINFORCED	VERT	VERTICAL		
EL	ELEVATION	JT	JOINT	REQ	REQUIRED	VEST	VESTIBULE		
ELEC	ELECTRICAL					VR	VAPOR RETARDER		
ELEV	ELEVATOR					VTR	VENT THROUGH ROOF		

SYMBOLS



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REVISIONS



SHEET TITLE

ABBREVIATIONS,
SYMBOLS,
SCHEDULES

DATE: SEPTEMBER 29, 2022

FILE: 22017

A002

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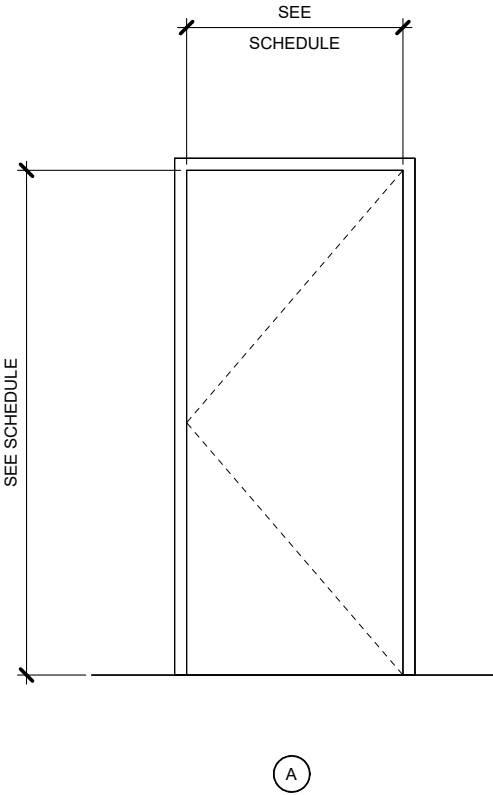
FINISH SCHEDULE

Finish Schedule								
Room No.	Room Name	Floor Finish	Walls				Ceiling	Comments
			North	East	South	West		
100	MAINTENANCE	SLR	FRP	FRP	FRP	FRP	STAIN	
101	MEN	SLR	FRP	FRP	FRP	FRP	STAIN	
103	WOMEN	SLR	FRP	FRP	FRP	FRP	STAIN	
102	PLUMBING	SLR	----	----	----	----	----	
104	FAMILY	SLR	FRP	FRP	FRP	FRP	FRP	
105	WAITING						STAIN	

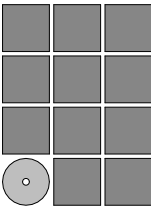
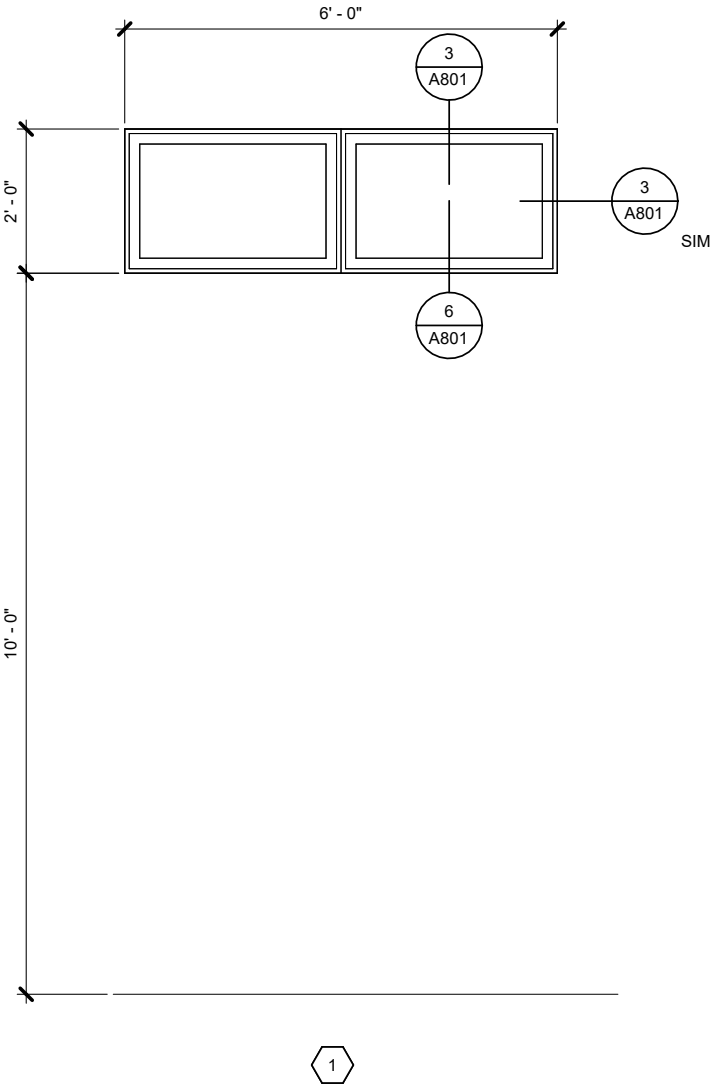
DOOR SCHEDULE

Opening Schedule																
Opening				Door		Frame		Glass	Signage		Fire Rating	Details			HW	Remarks
Mark	Type	Width	Height	MAT	FIN	MAT	FIN		Type	Text		Jamb	Head	Sill		
100	A	3' - 0"	7' - 0"	FGL	PF	FGL	PF		B	MAINTENANCE		5/A801, SIM	2/A801, SIM			
101	A	3' - 0"	7' - 0"	FGL	PF	FGL	PF		A	MEN		5/A801	2/A801			
102	A	3' - 0"	7' - 0"	FGL	PF	FGL	PF					5/A801, SIM	2/A801, SIM			
103	A	3' - 0"	7' - 0"	FGL	PF	FGL	PF		A	WOMEN		5/A801	2/A801			
104	A	3' - 0"	7' - 0"	FGL	PF	FGL	PF		A	FAMILY		5/A801	2/A801			

DOOR TYPES



WINDOW TYPES



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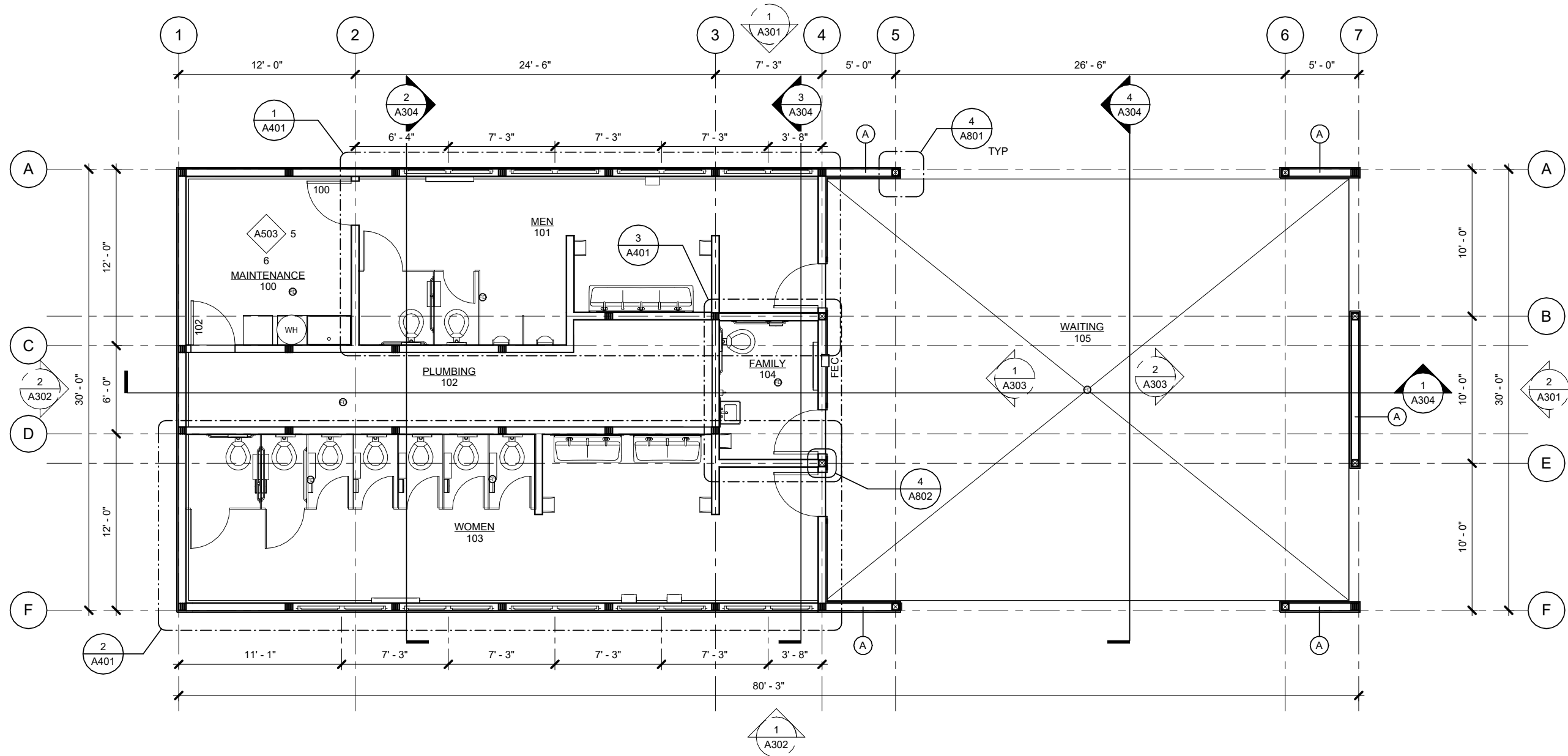
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SCHEDULES

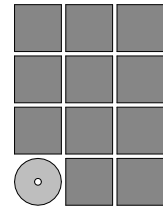
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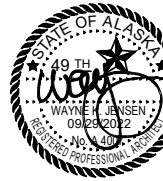


1 FLOOR PLAN



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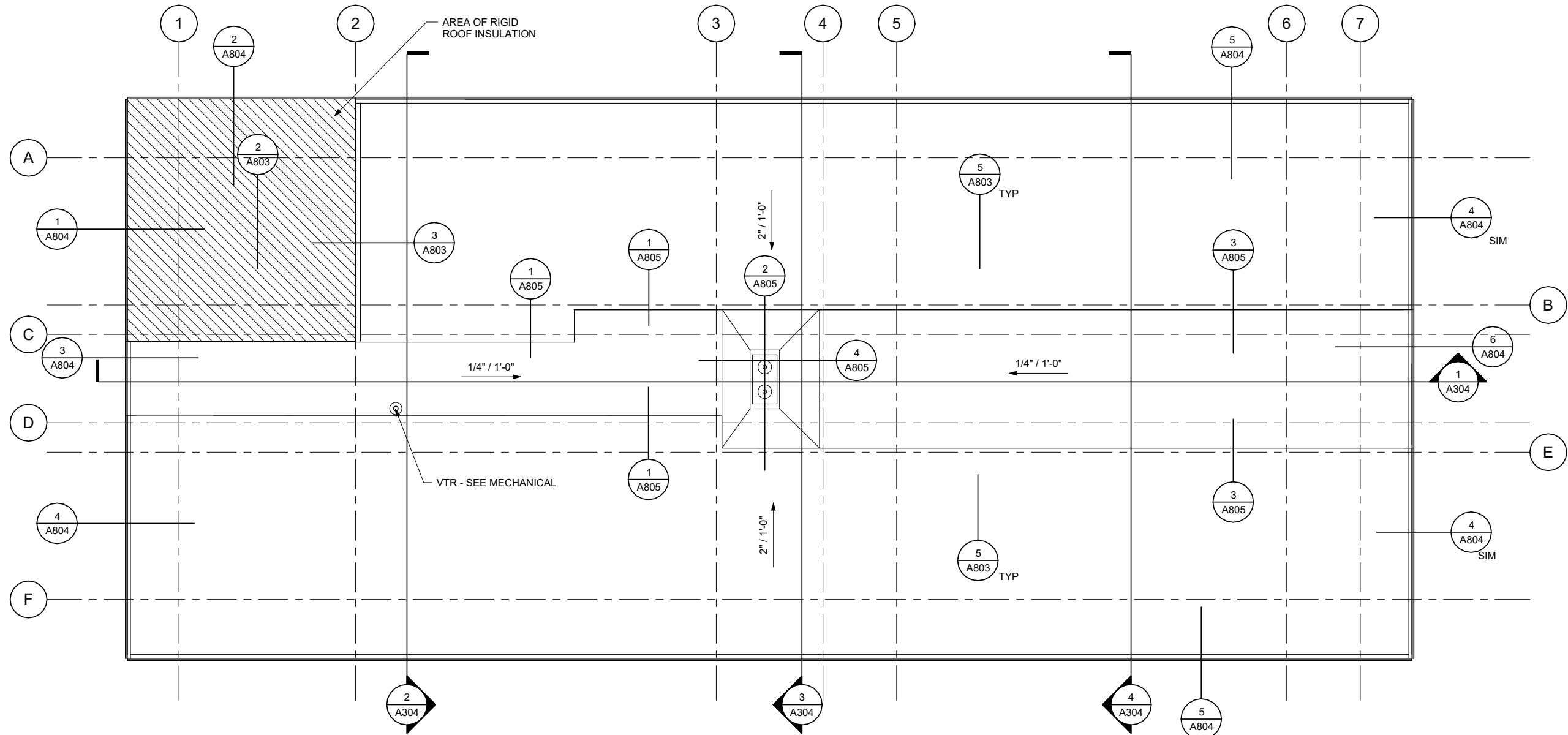
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CBJ CONTRACT No. DH23-010
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SHEET TITLE	
FLOOR PLAN	

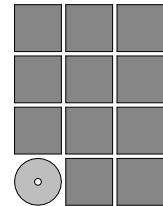
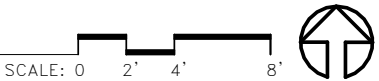
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A201

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1 ROOF PLAN



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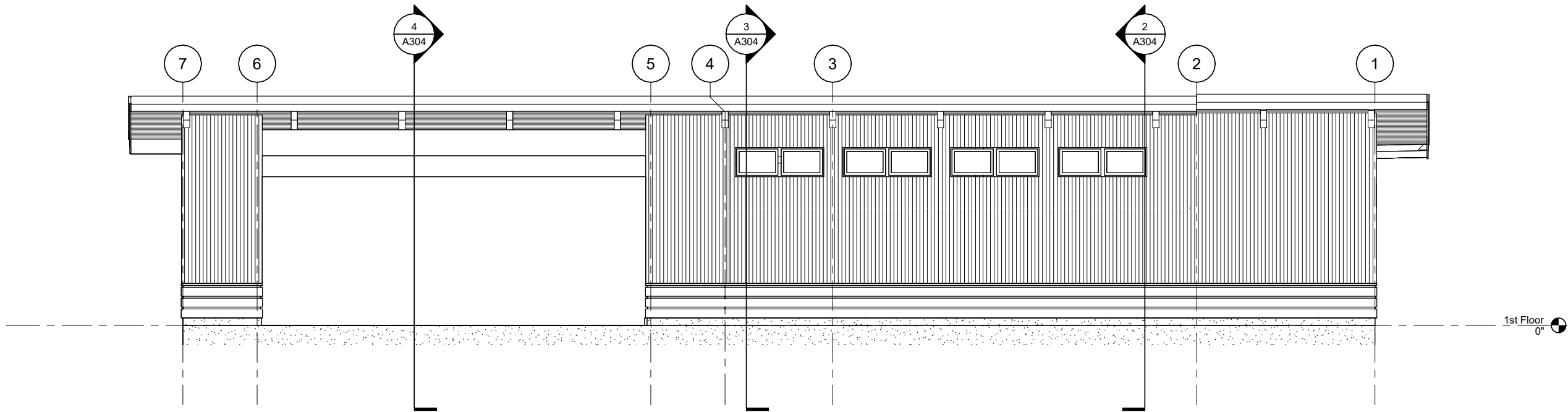


SHEET TITLE
ROOF PLAN

DATE: SEPTEMBER 29, 2022
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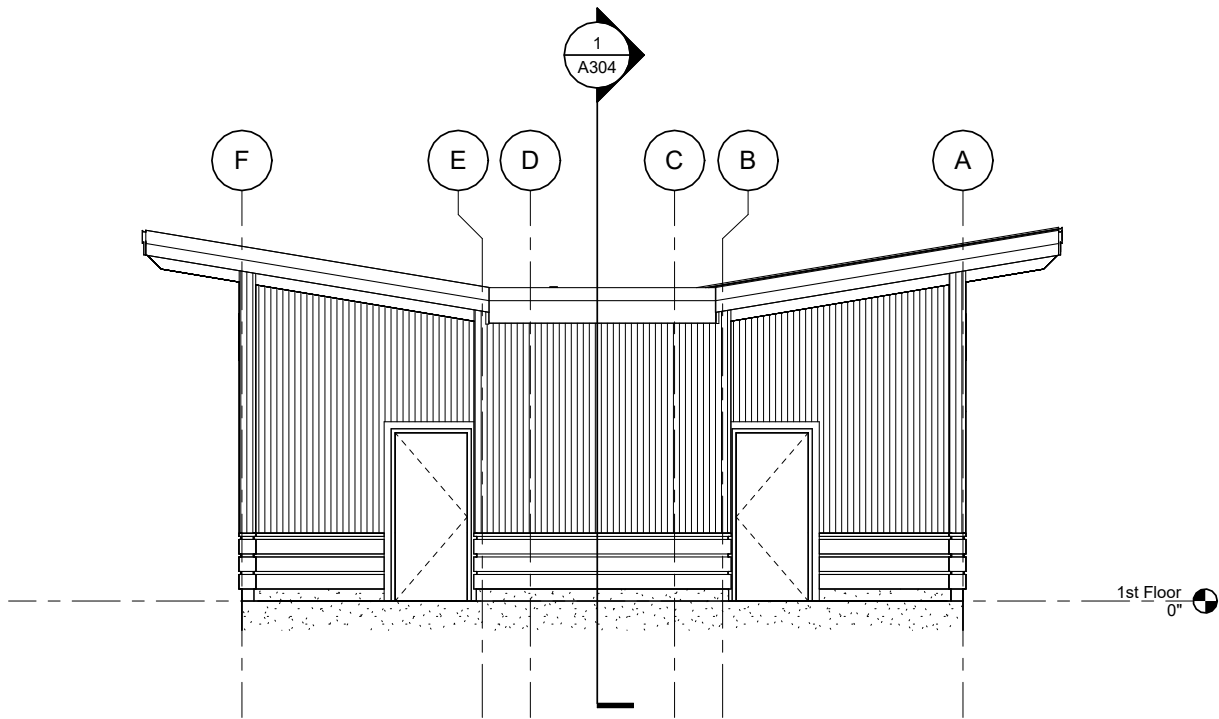
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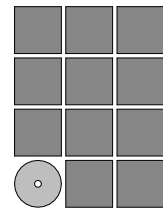
1 EXTERIOR NORTH ELEVATION

SCALE: 0 2' 4' 8'



2 EXTERIOR EAST ELEVATION

SCALE: 0 2' 4' 8'



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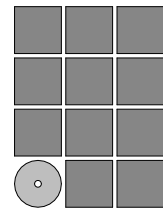
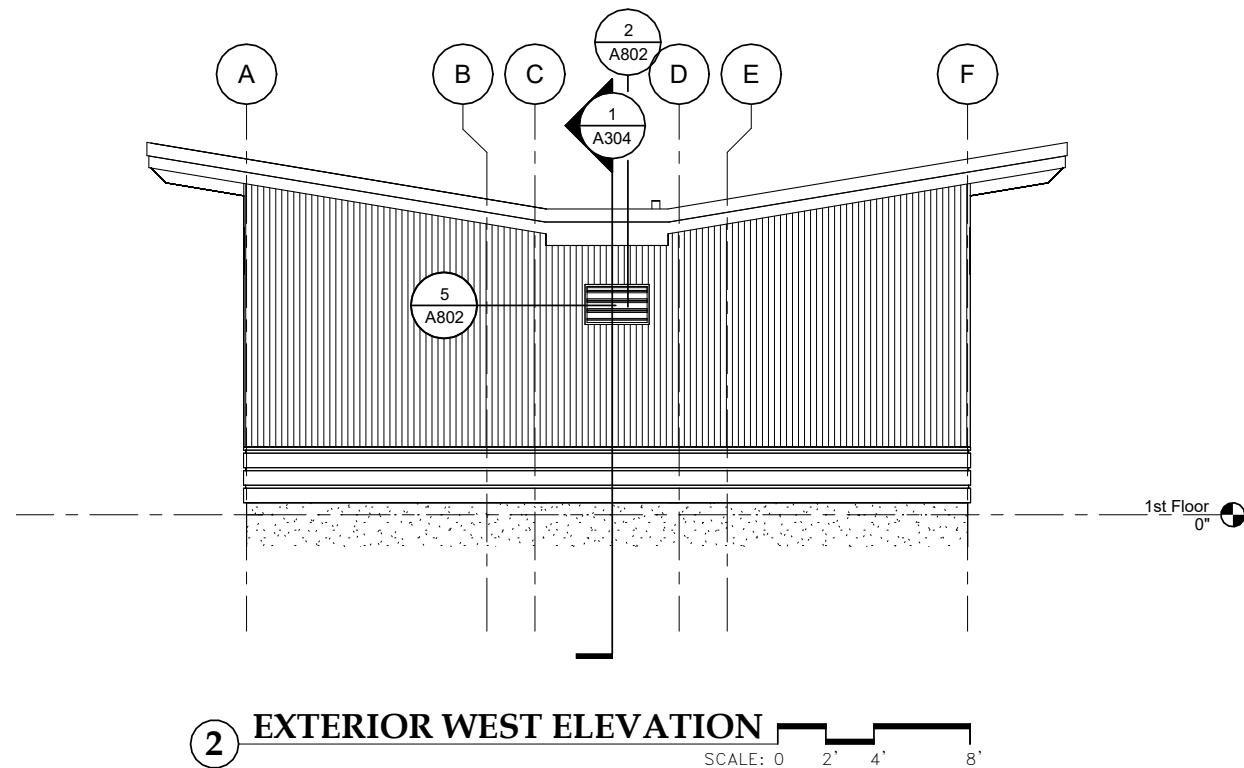
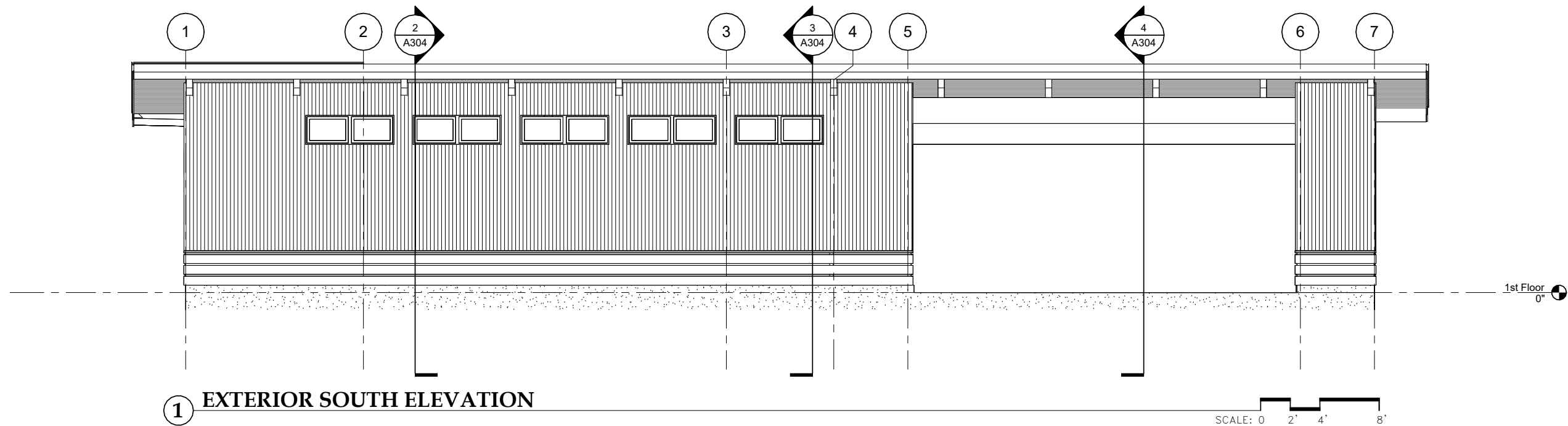
SHEET TITLE

EXTERIOR
ELEVATIONS

DATE: SEPTEMBER 29, 2022

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A301



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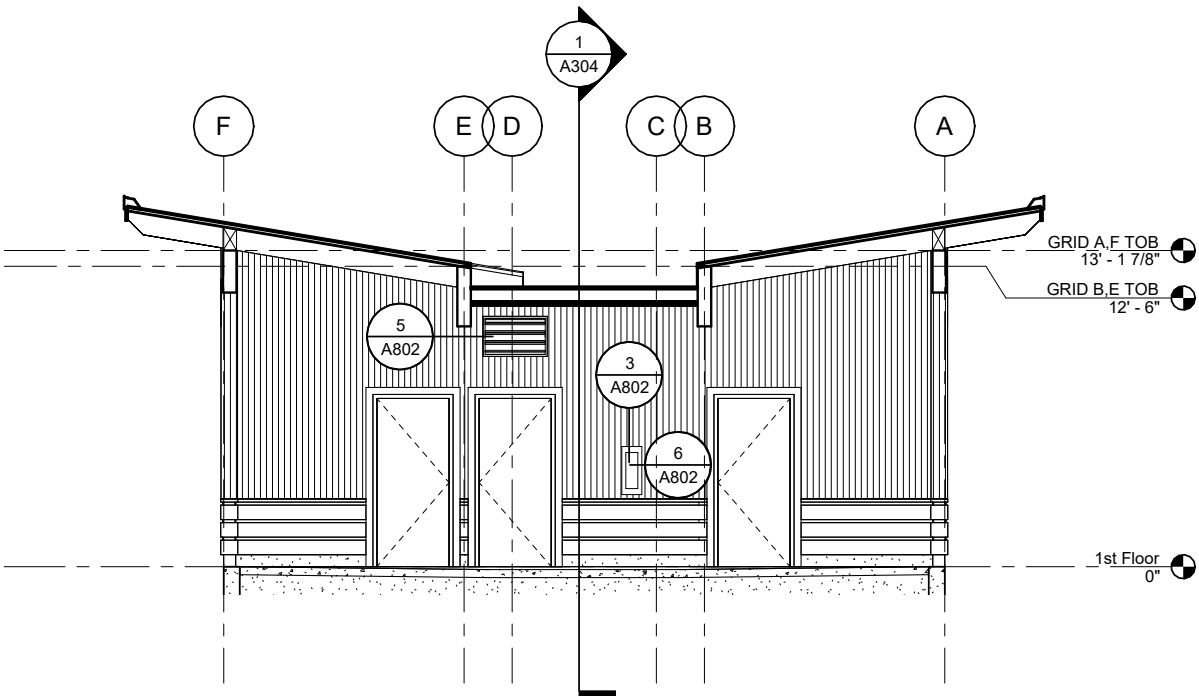
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SHEET TITLE
EXTERIOR
ELEVATIONS

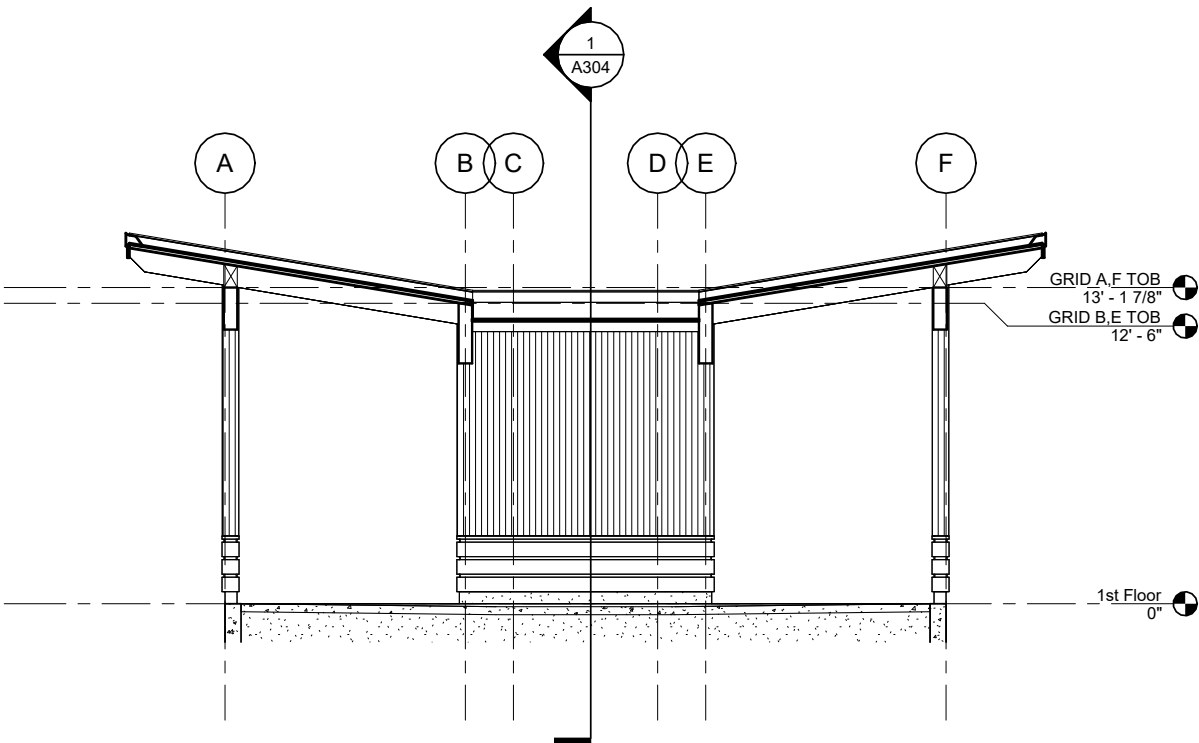
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FILE: 22017

A302



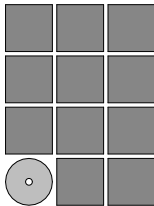
1 WAITING 105 EAST ELEVATION

SCALE: 0 2' 4' 8'



2 WAITING 105 WEST ELEVATION

SCALE: 0 2' 4' 8'



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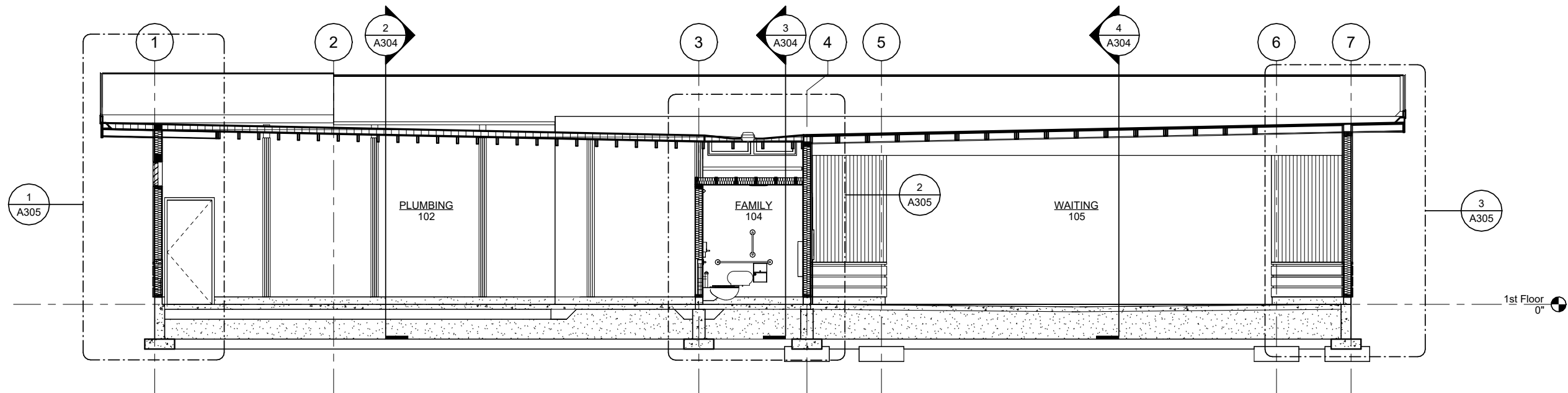


SHEET TITLE
EXTERIOR
ELEVATIONS

DATE: SEPTEMBER 29, 2022
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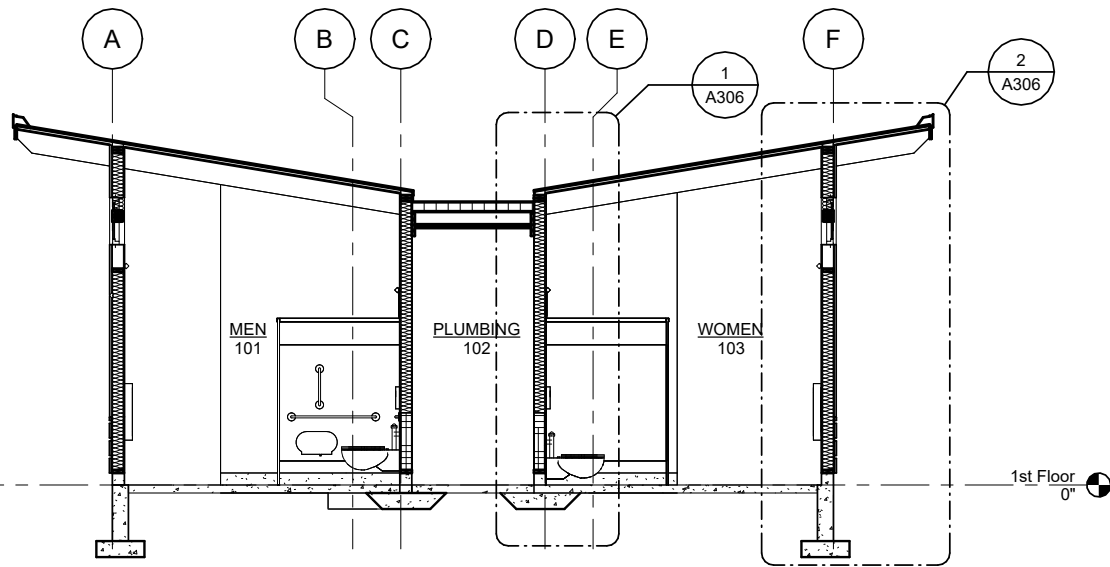
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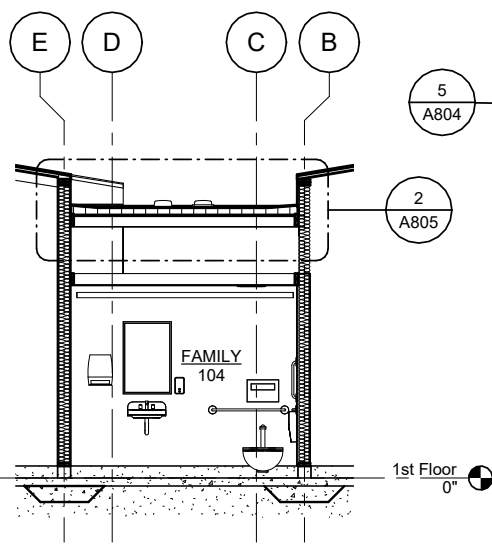
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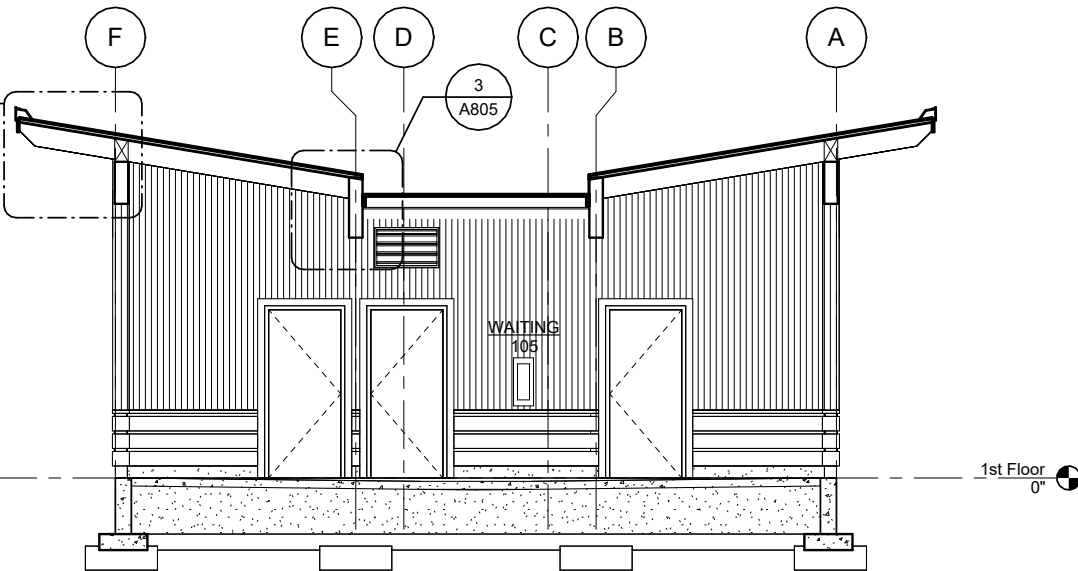
2 BUILDING SECTION

SCALE: 0 2' 4' 8'



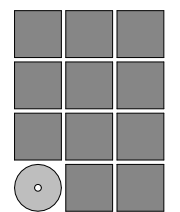
3 BUILDING SECTION

SCALE: 0 2' 4' 8'



4 BUILDING SECTION

SCALE: 0 2' 4' 8'



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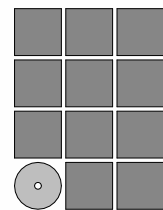
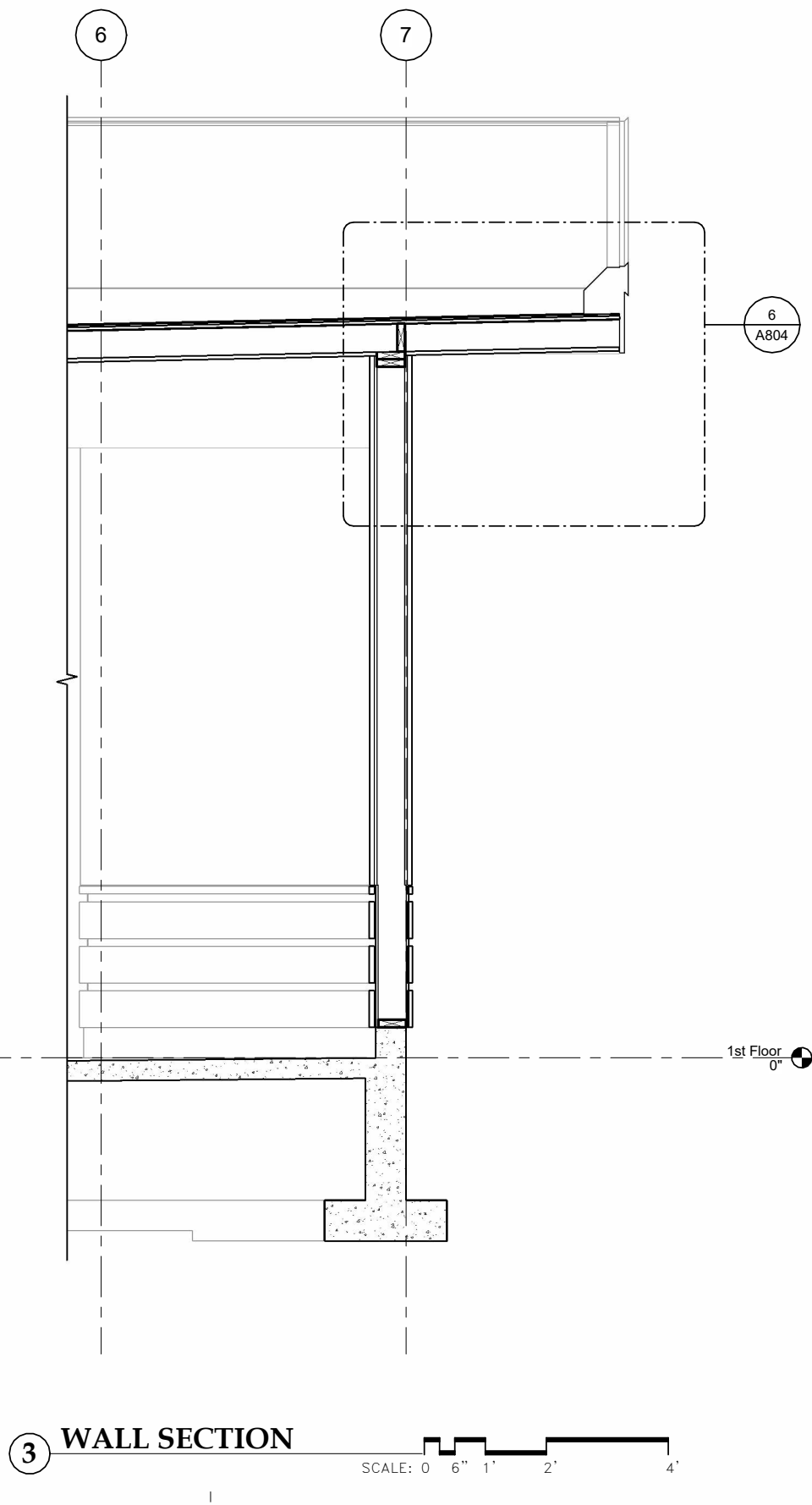
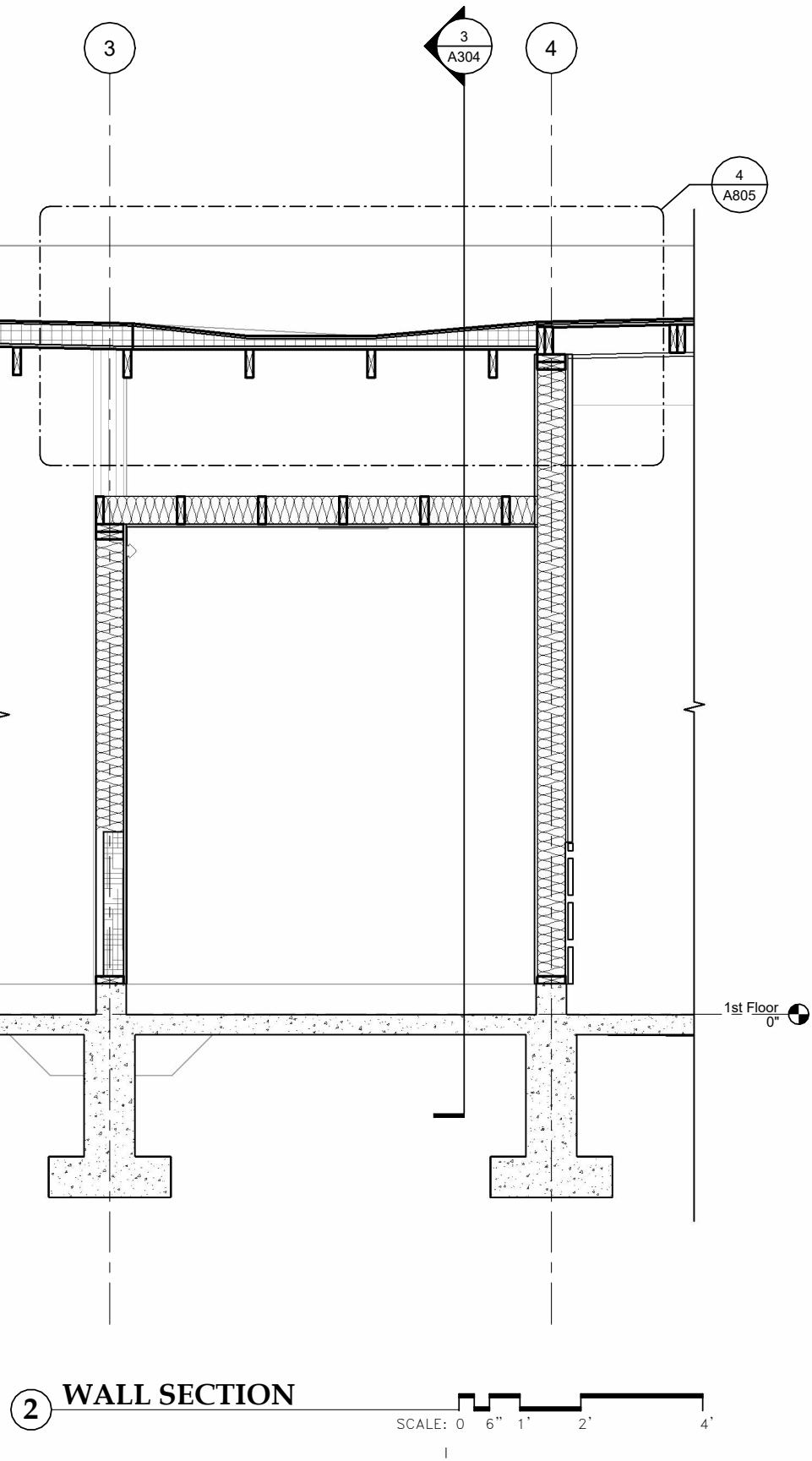
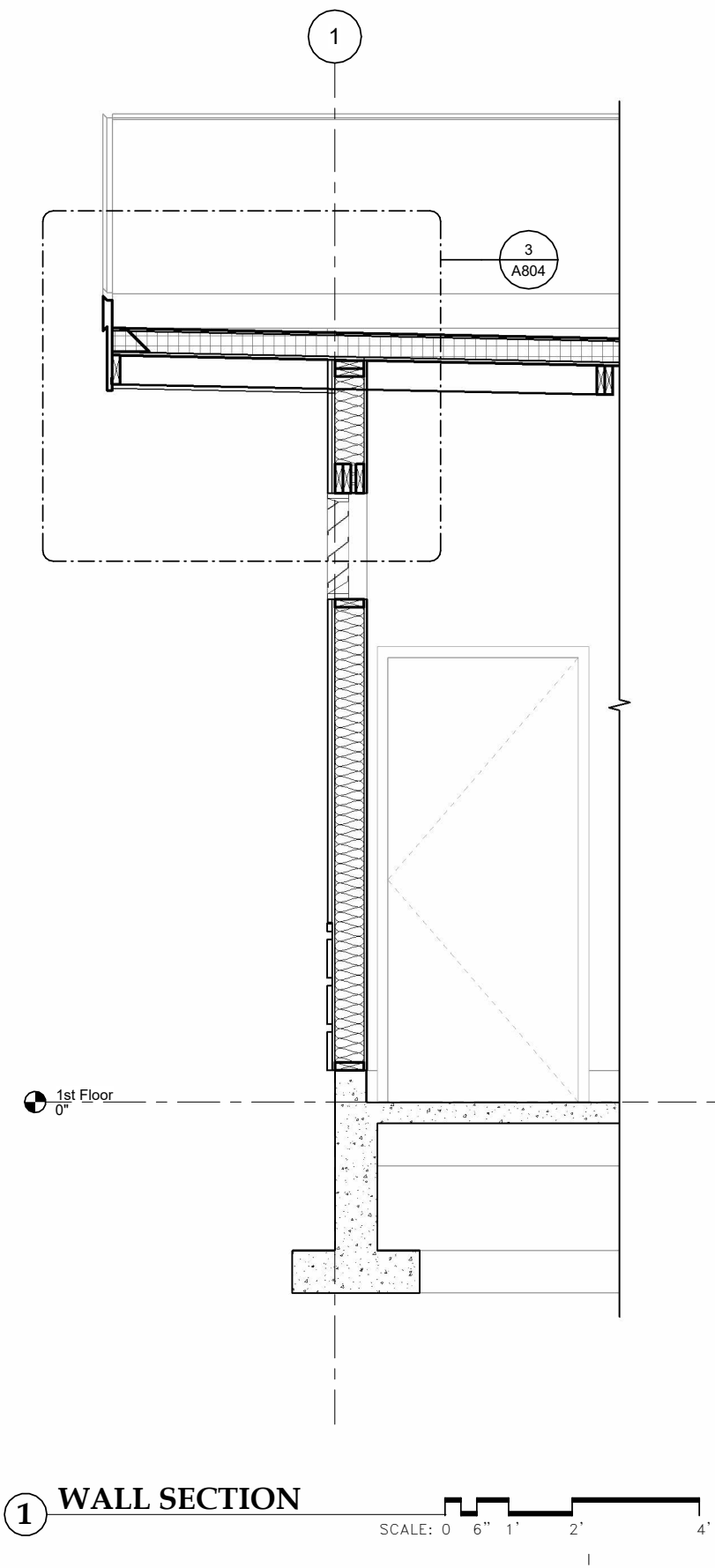
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SHEET TITLE
BUILDING SECTIONS

DATE: SEPTEMBER 29, 2022
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A304

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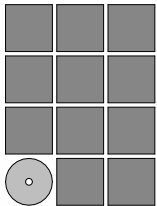
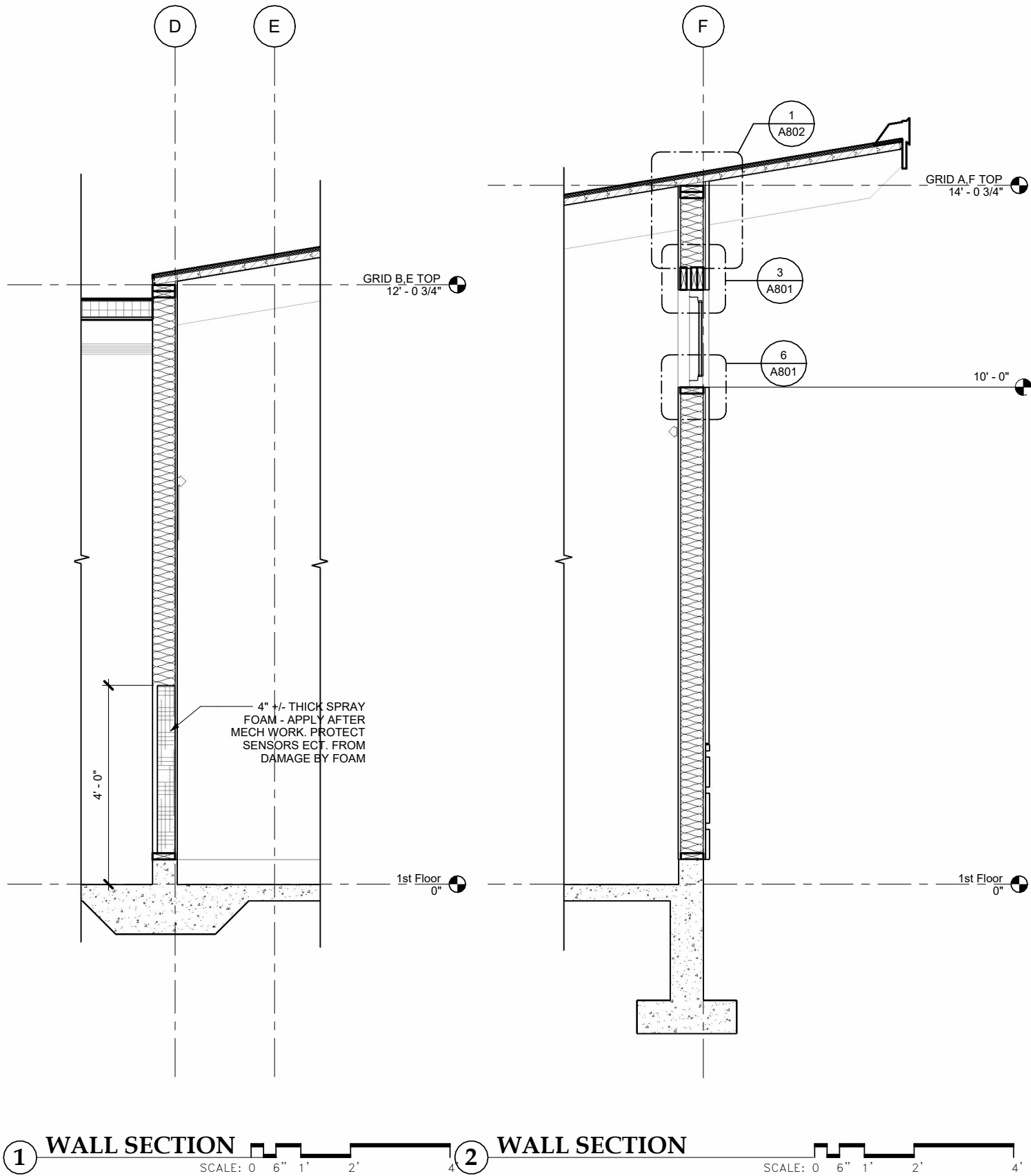


SHEET TITLE
WALL SECTIONS

DATE: SEPTEMBER 29, 2022
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A305

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CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACT No. DH23-010
JUNEAU, ALASKA

REVISIONS

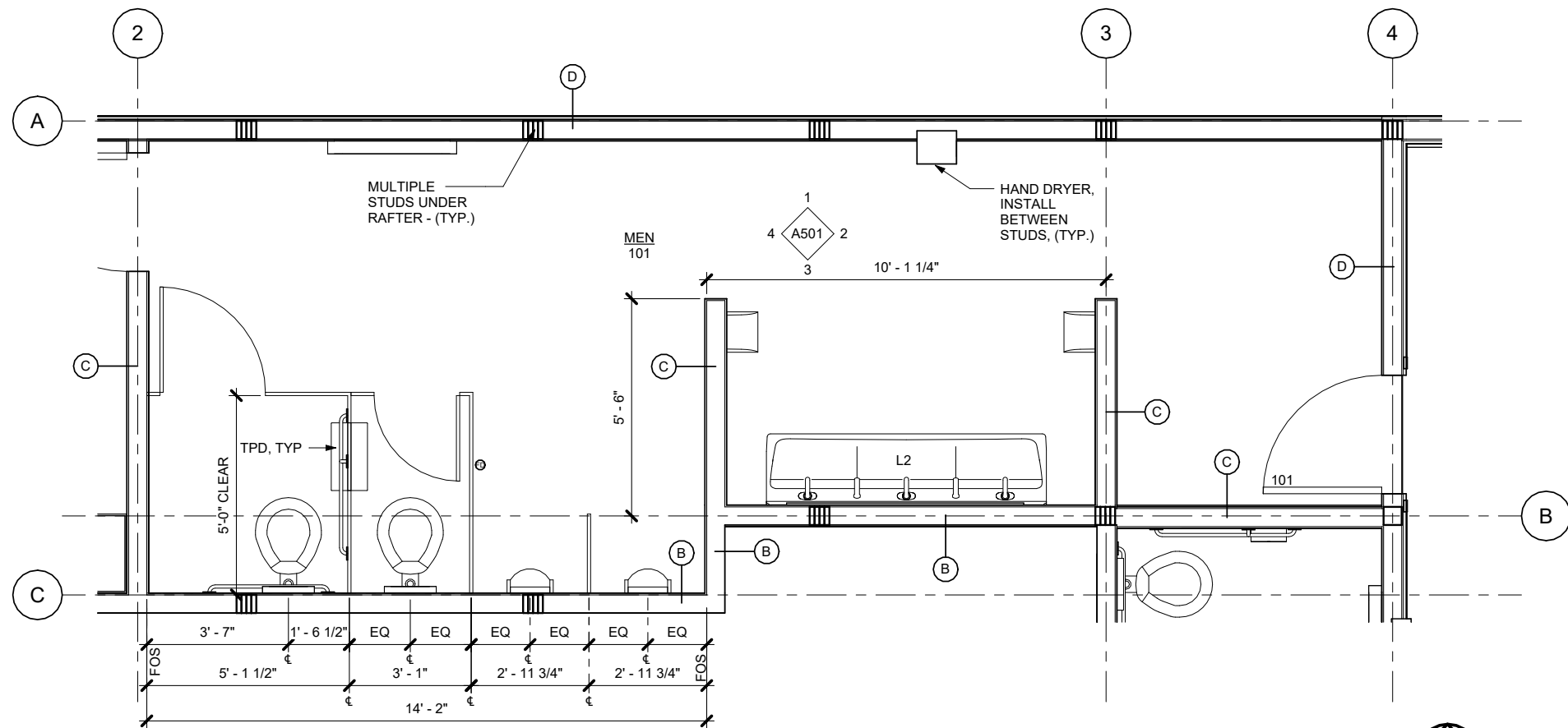


SHEET TITLE
WALL SECTIONS

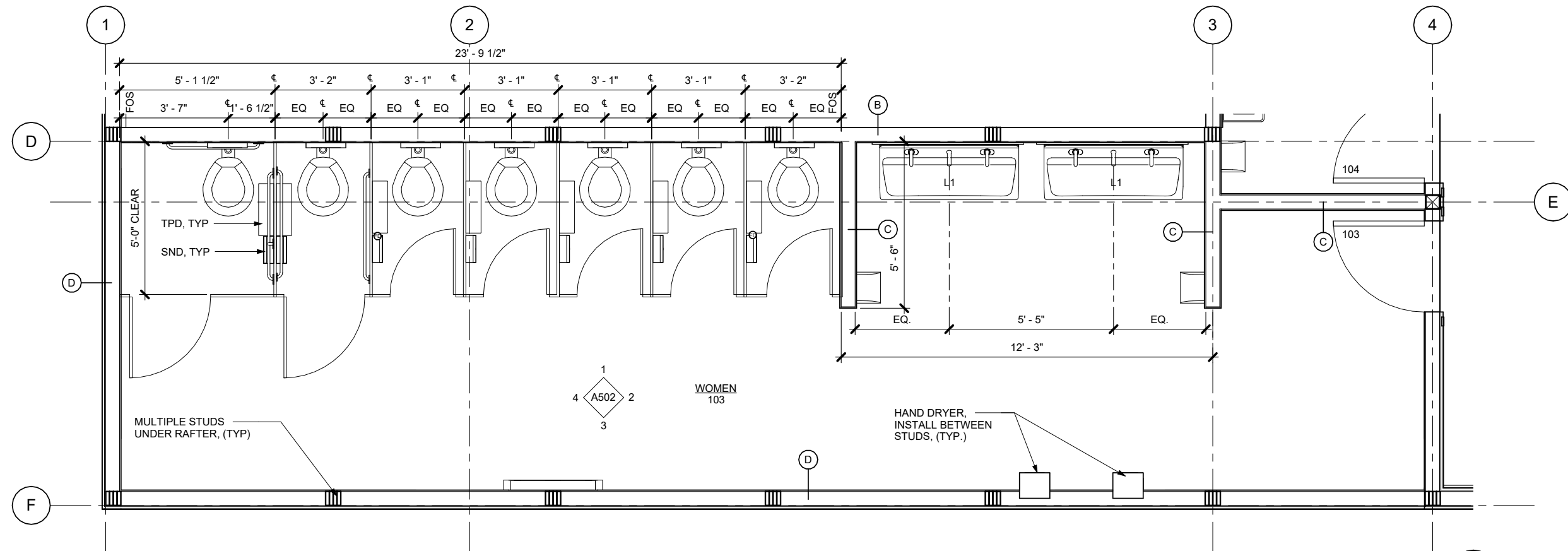
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FILE: 22017

A306

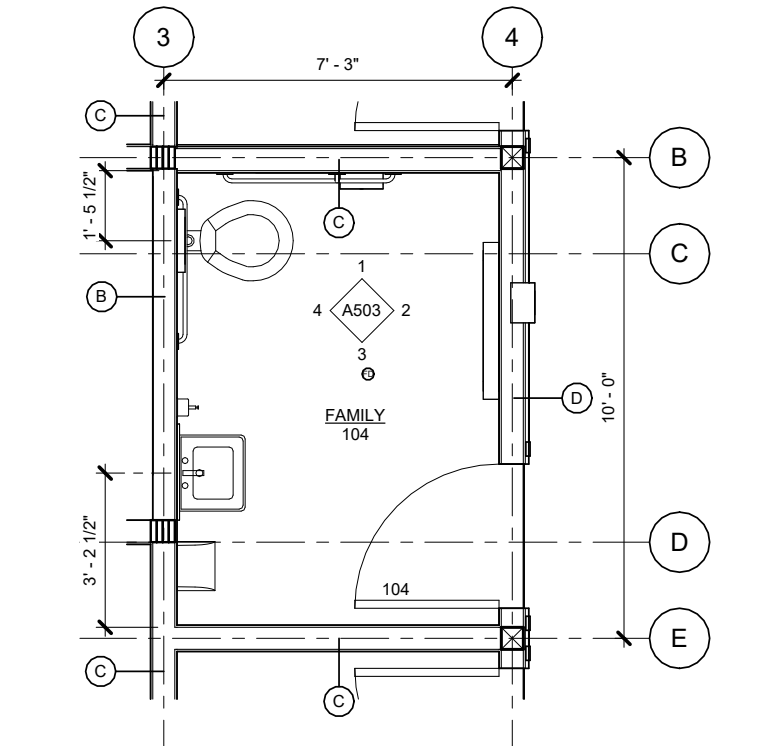
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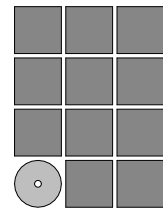
1 ENLARGED FIRST FLOOR PLAN



2 ENLARGED FIRST FLOOR PLAN



3 ENLARGED FIRST FLOOR PLAN



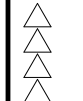
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JUNEAU, ALASKA

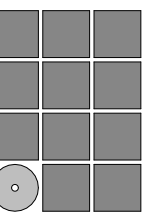
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SHEET TITLE
ENLARGED PLAN

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A401



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RESTROOMS AND COVERED SHELTER
CBJ CONTRACT No. DH23-010
JUNEAU, ALASKA**

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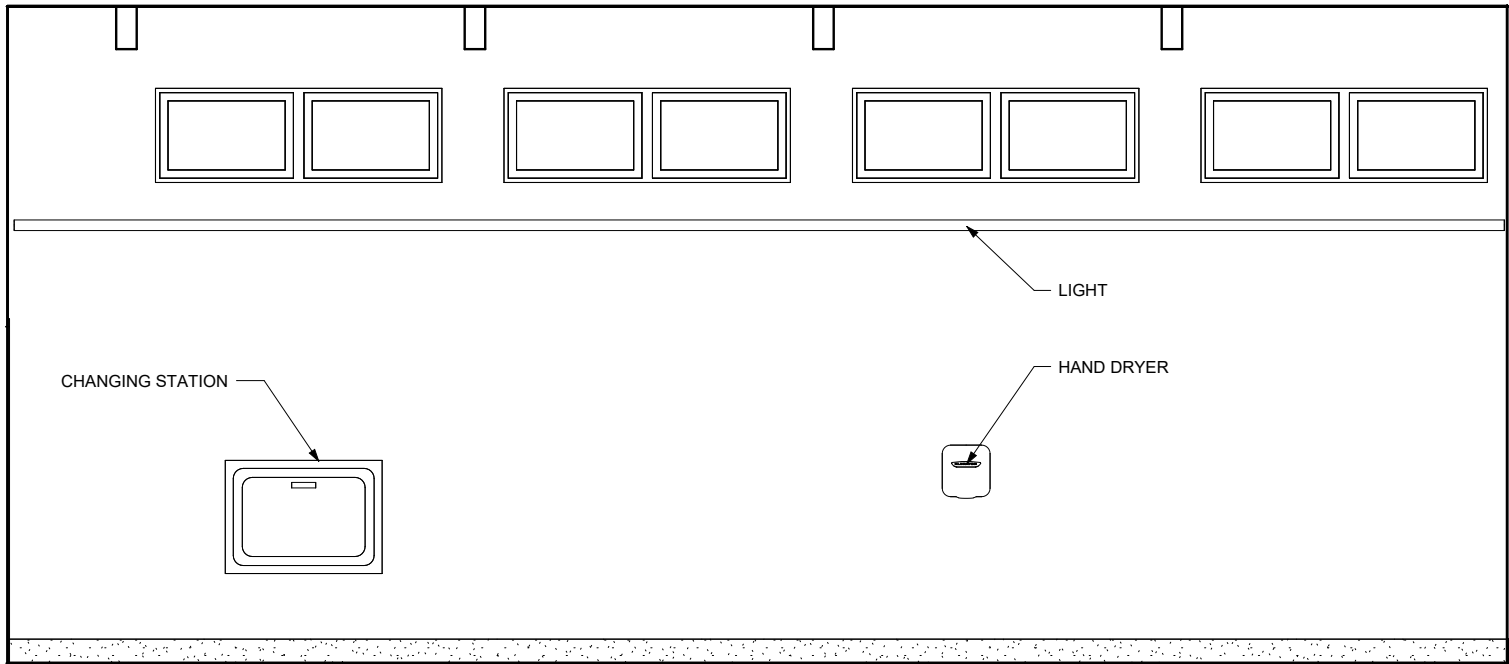


STANDARD FIXTURE HEIGHTS

TE: SEPTEMBER 29,2022
E: 22017

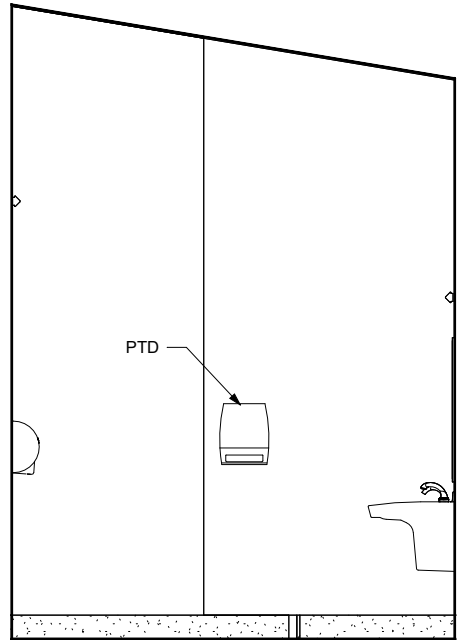
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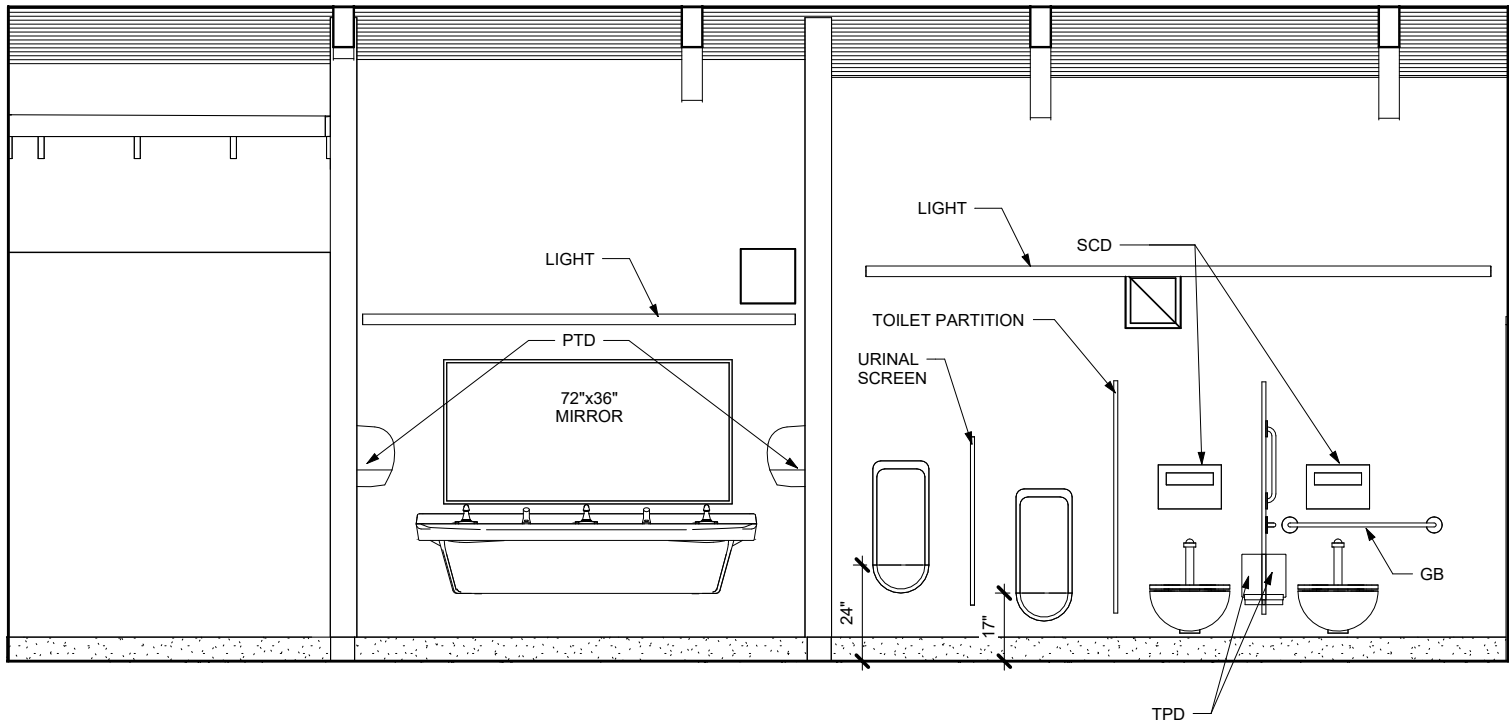
1 MEN 101

SCALE: 0 1' 2' 4'



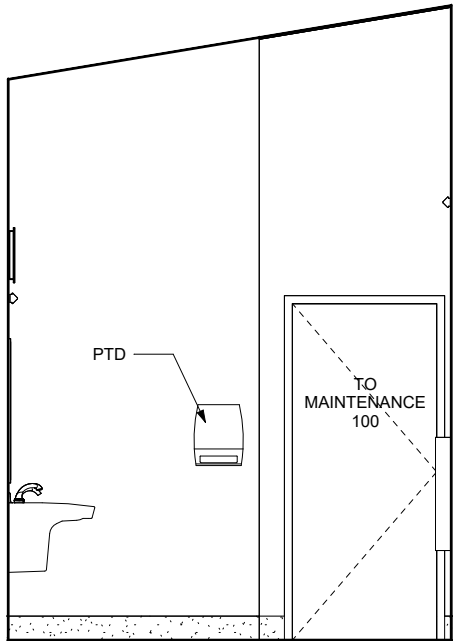
2 MEN 101

SCALE: 0 1' 2' 4'



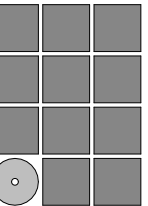
3 MEN 101

SCALE: 0 1' 2' 4'



4 MEN 101

SCALE: 0 1' 2' 4'



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CBJ CONTRACT No. DH23-010
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SHEET TITLE

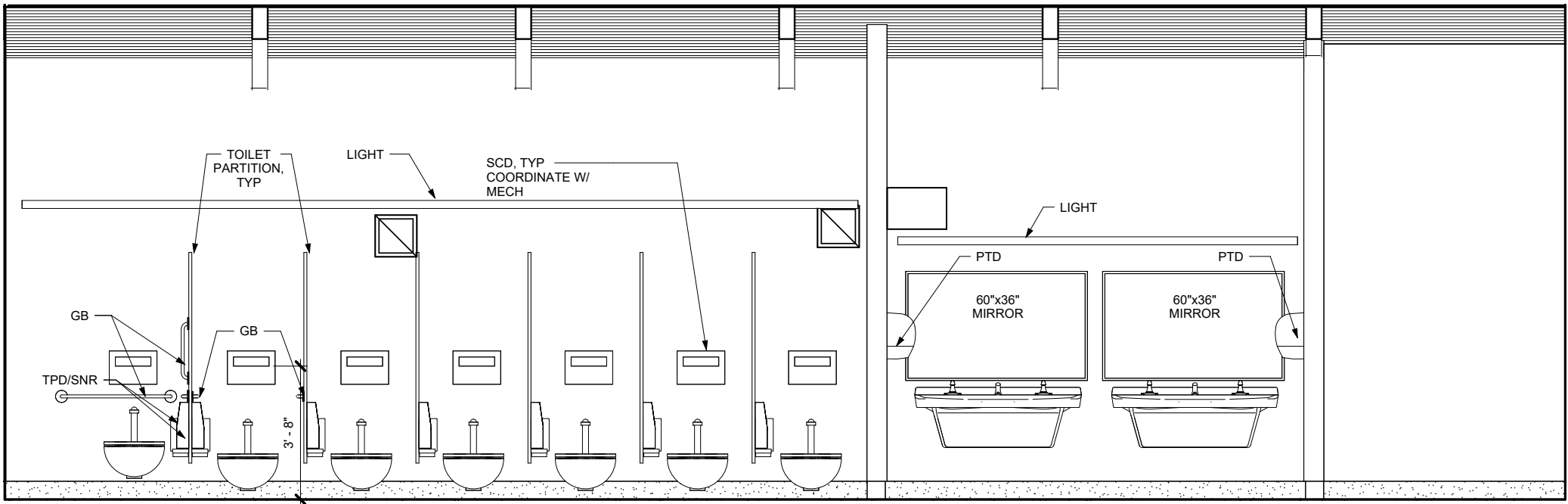
INTERIOR
ELEVATIONS

DATE: SEPTEMBER 29, 2022

FILE: 22017

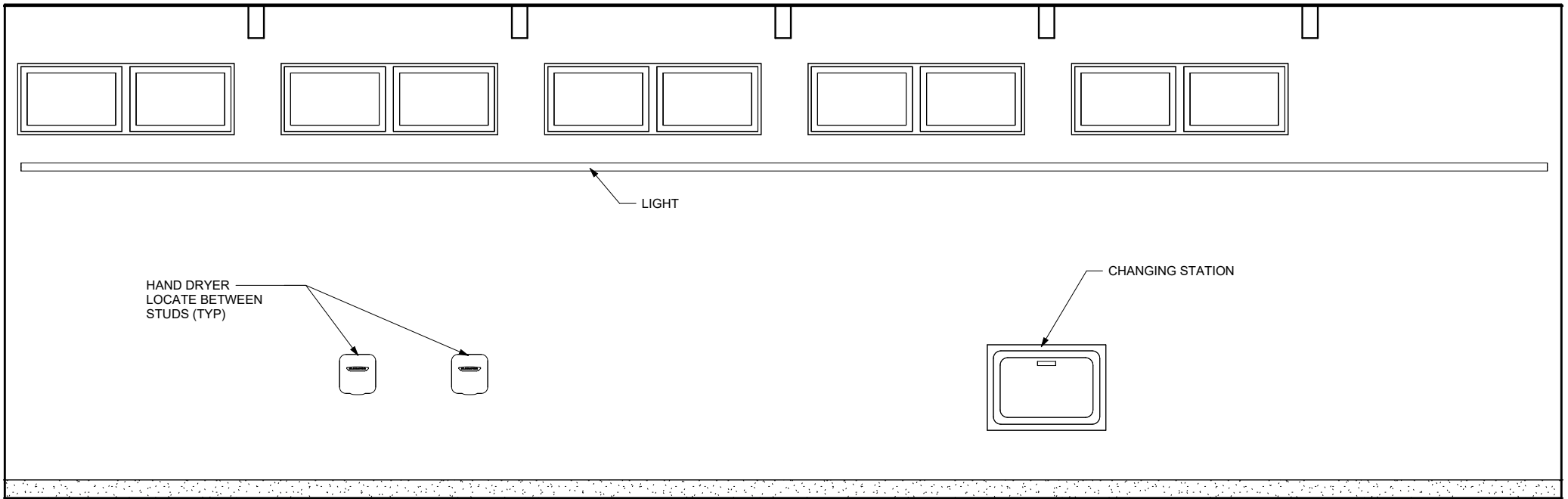
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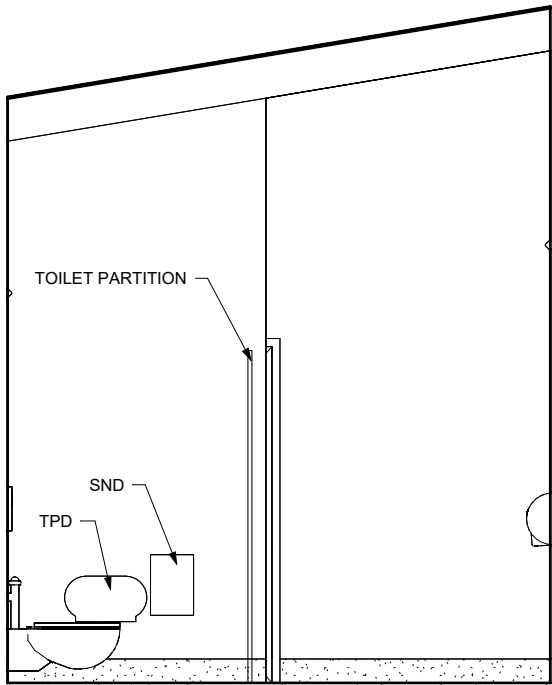
1 WOMEN 103

SCALE: 0 1' 2' 4'



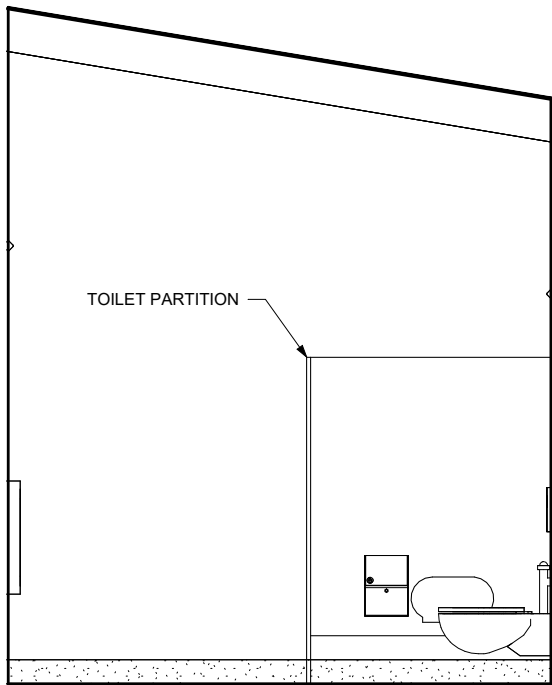
3 WOMEN 103

SCALE: 0 1' 2' 4'



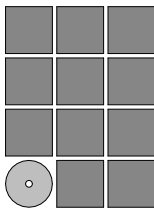
2 WOMEN 103

SCALE: 0 1' 2' 4'



4 WOMEN 103

SCALE: 0 1' 2' 4'



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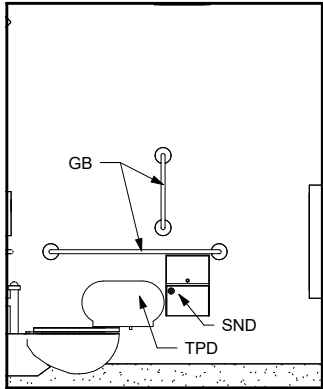


SHEET TITLE
INTERIOR
ELEVATIONS

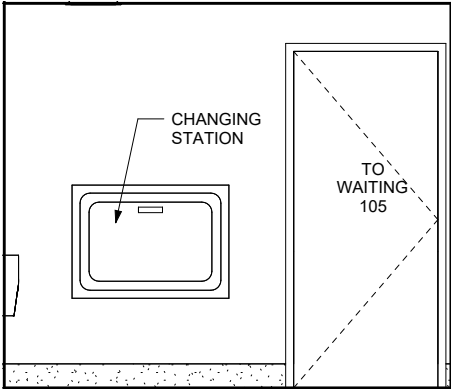
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A502

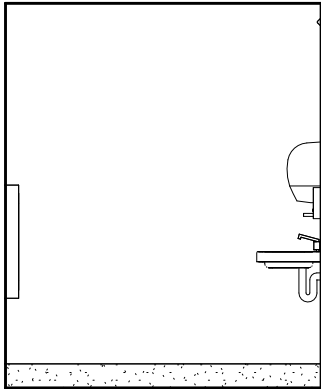
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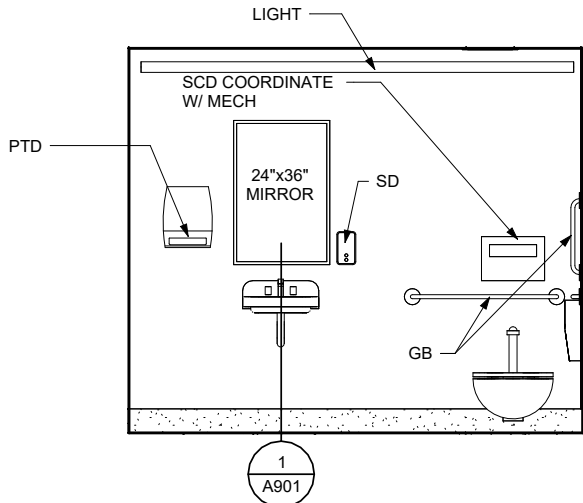
1 FAMILY 104
SCALE: 0 1' 2' 4'



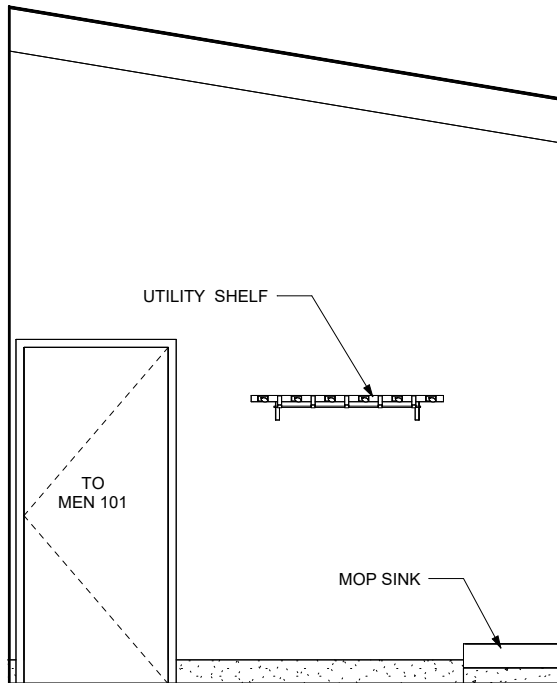
2 FAMILY 104
SCALE: 0 1' 2' 4'



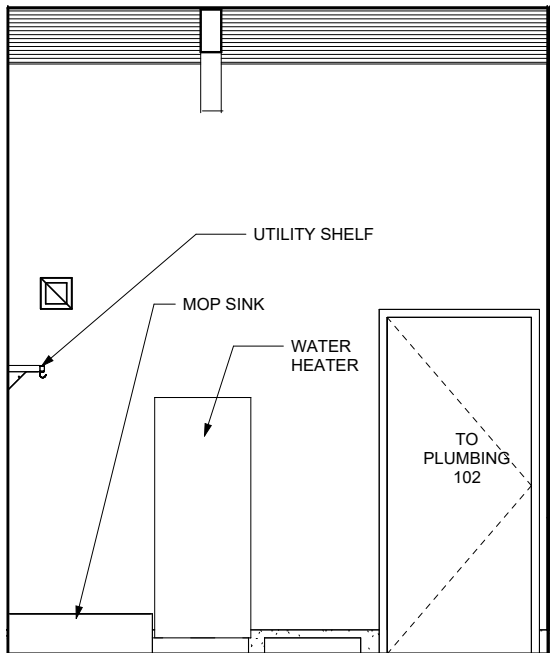
3 FAMILY 104
SCALE: 0 1' 2' 4'



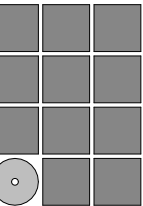
4 FAMILY 104
SCALE: 0 1' 2' 4'



5 MAINTENANCE 100
SCALE: 0 1' 2' 4'



6 MAINTENANCE 100
SCALE: 0 1' 2' 4'



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JUNEAU, ALASKA

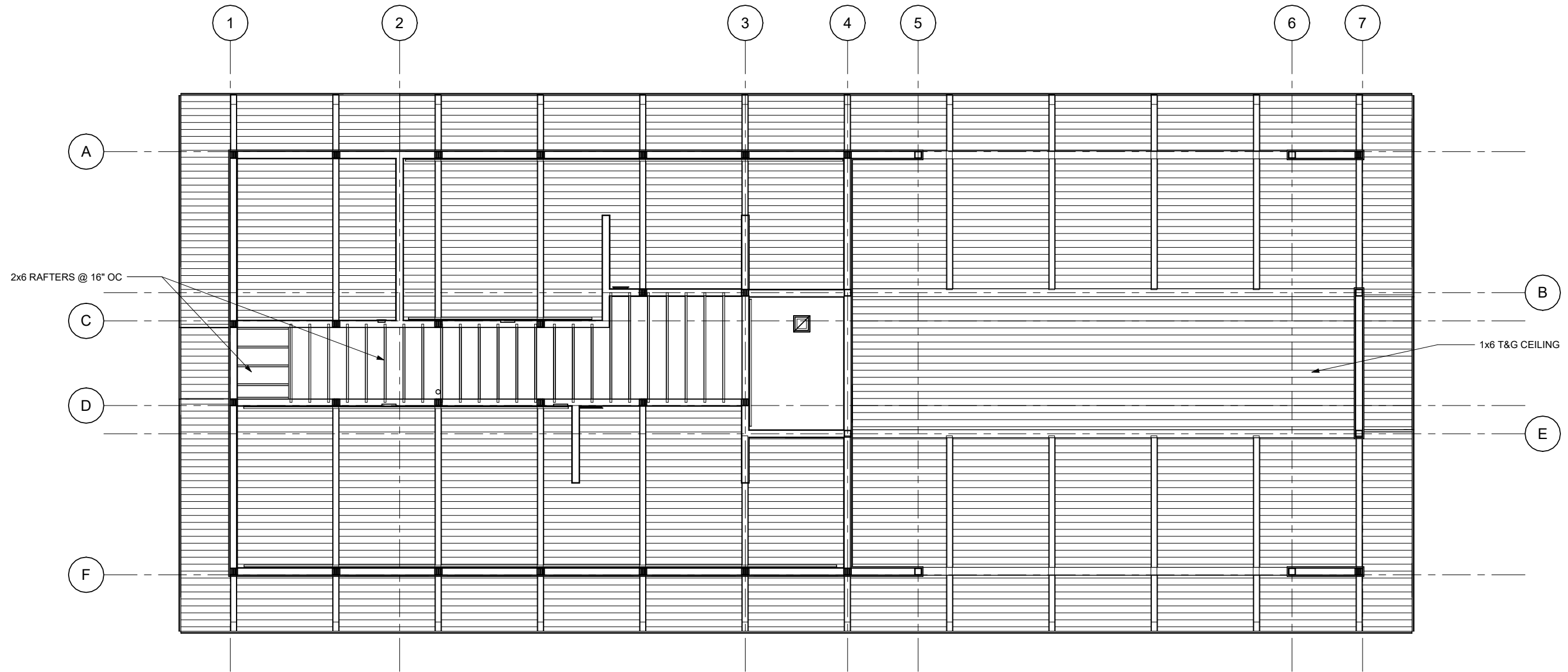
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SHEET TITLE
INTERIOR
ELEVATIONS

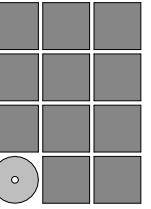
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A503



1 REFLECTED CEILING PLAN

SCALE: 0 2' 4' 8'



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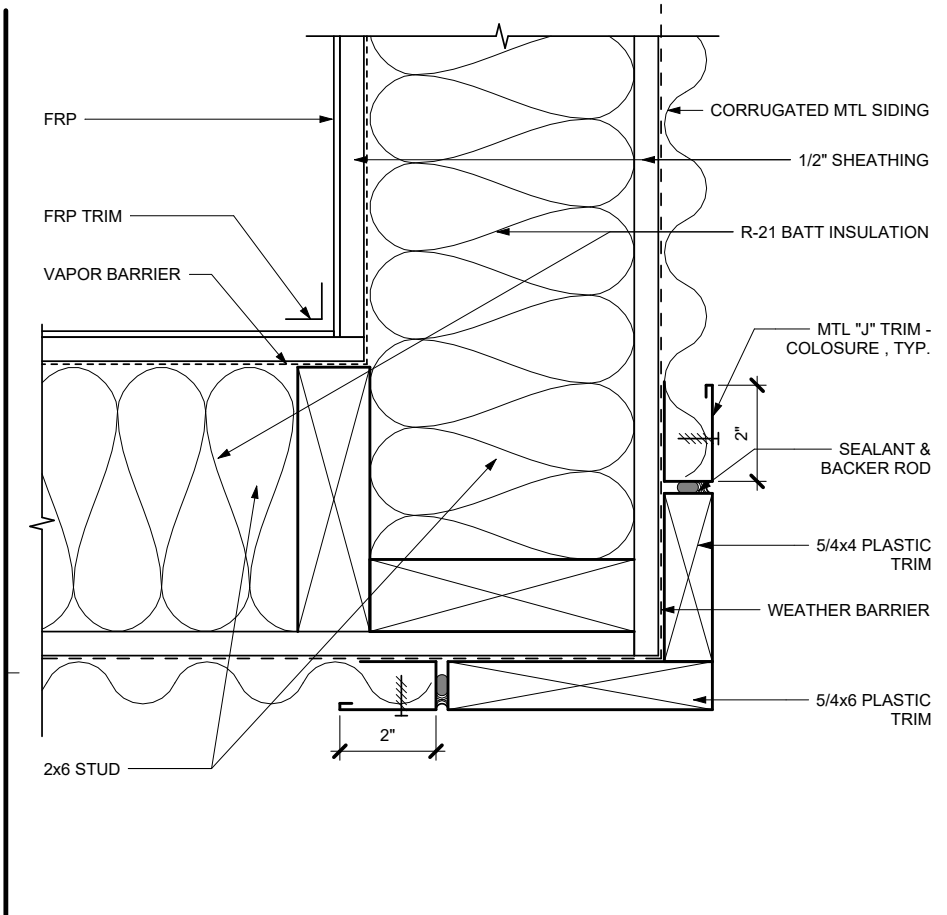
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SHEET TITLE
REFLECTED CEILING
PLAN

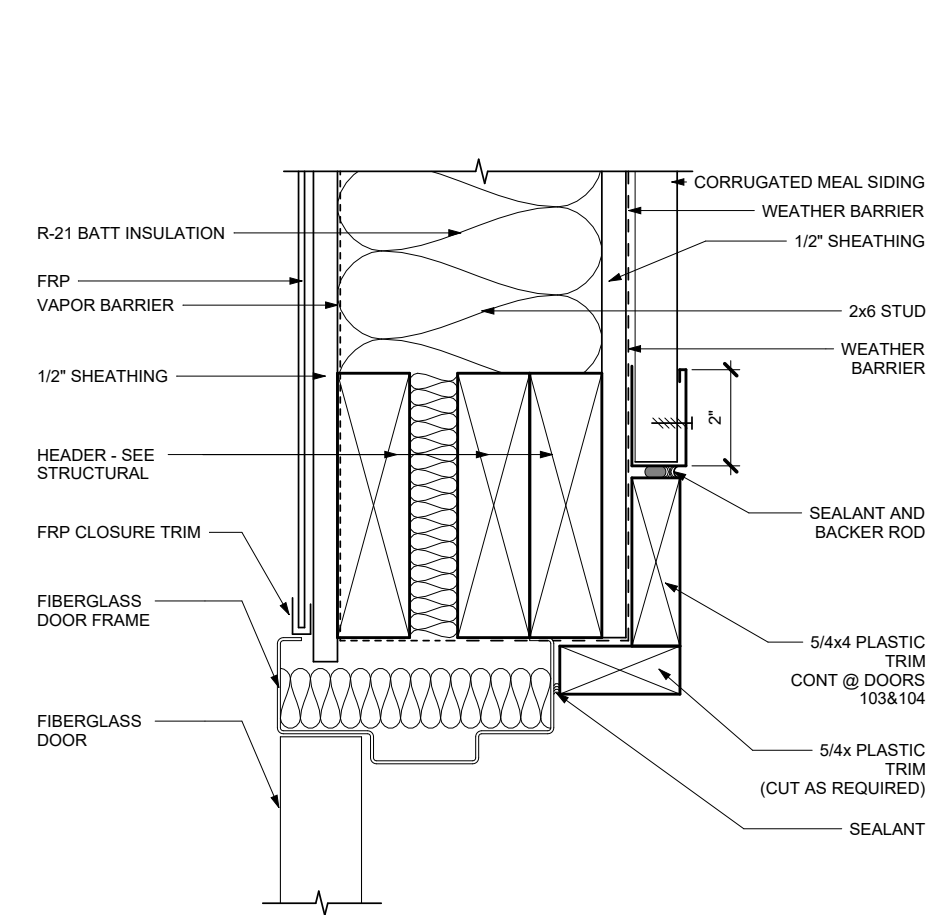
DATE: SEPTEMBER 29, 2022
FILE: 22017

A601



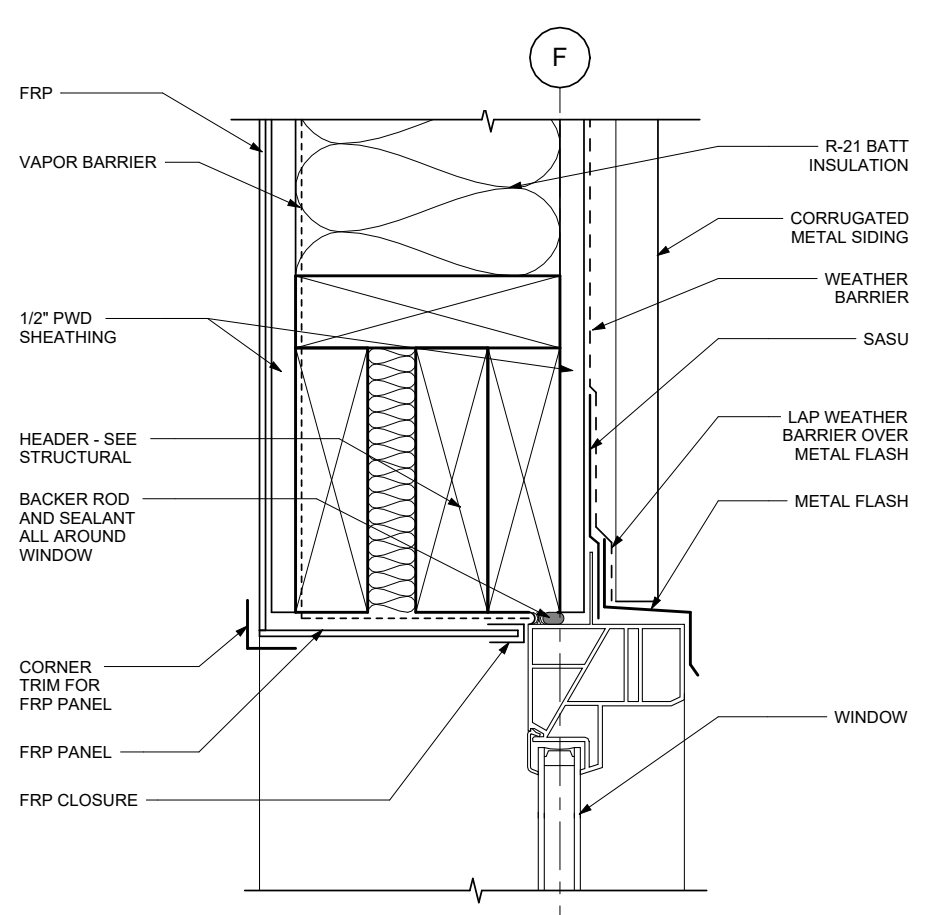
1 OUTSIDE CORNER

SCALE: 0 3" 6"



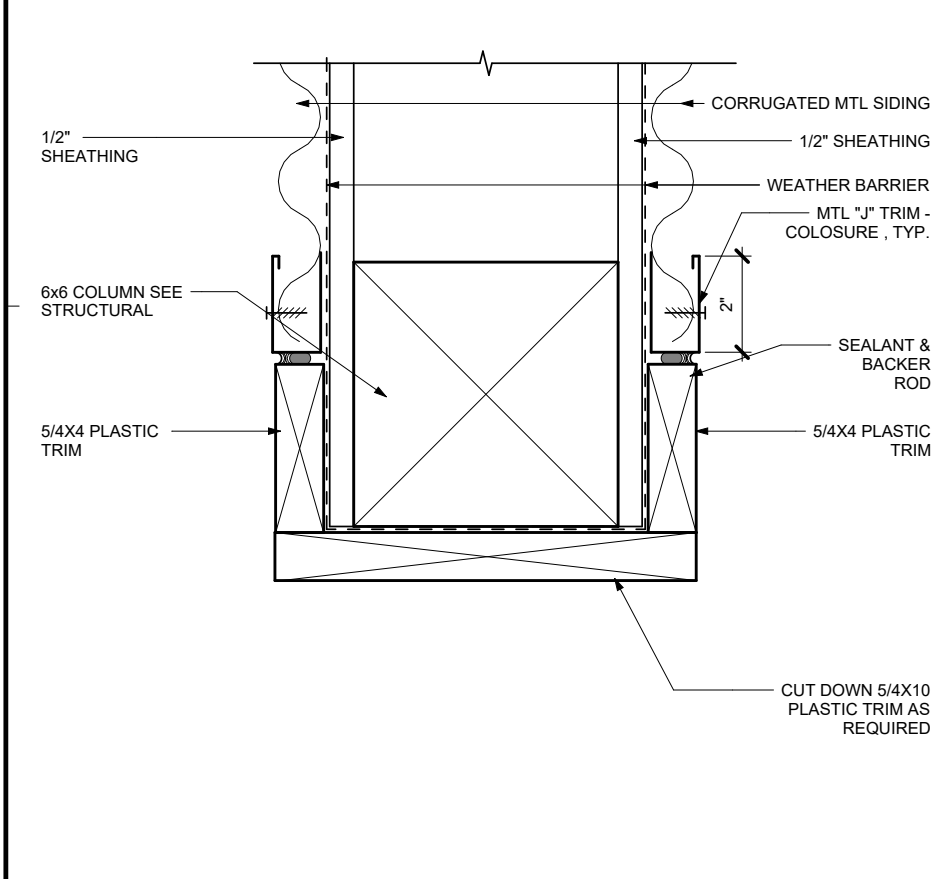
2 EXT DOOR HEAD

SCALE: 0 3" 6"



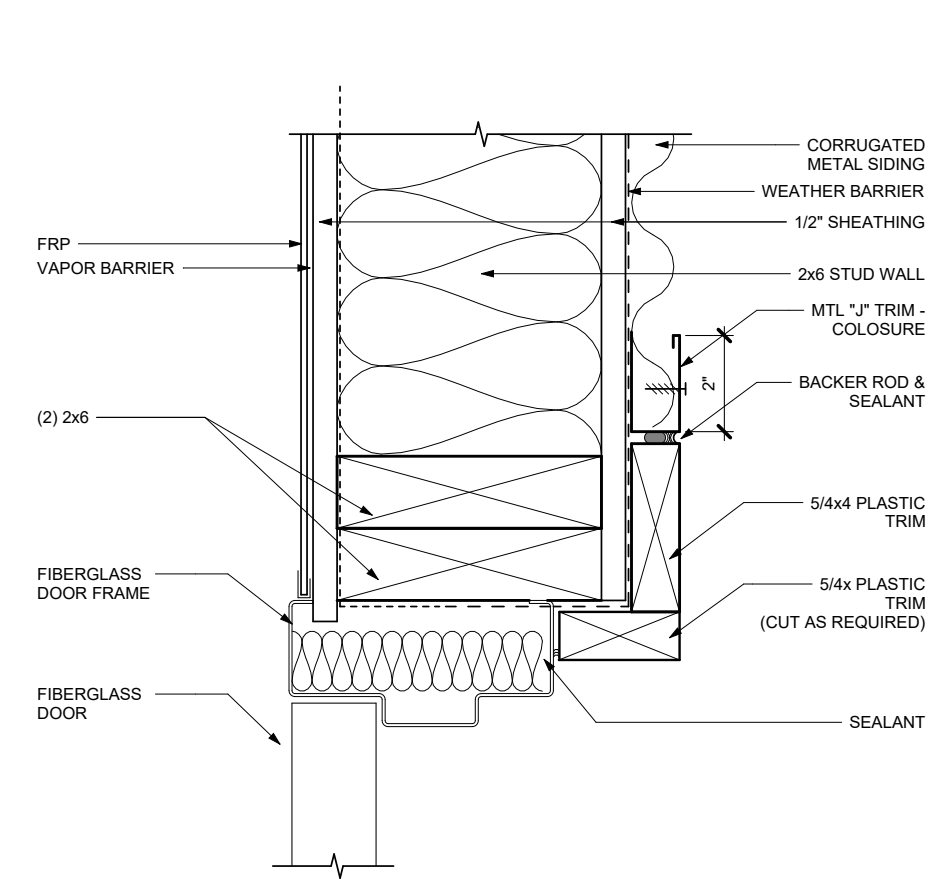
3 WINDOW HEAD

SCALE: 0 3" 6"



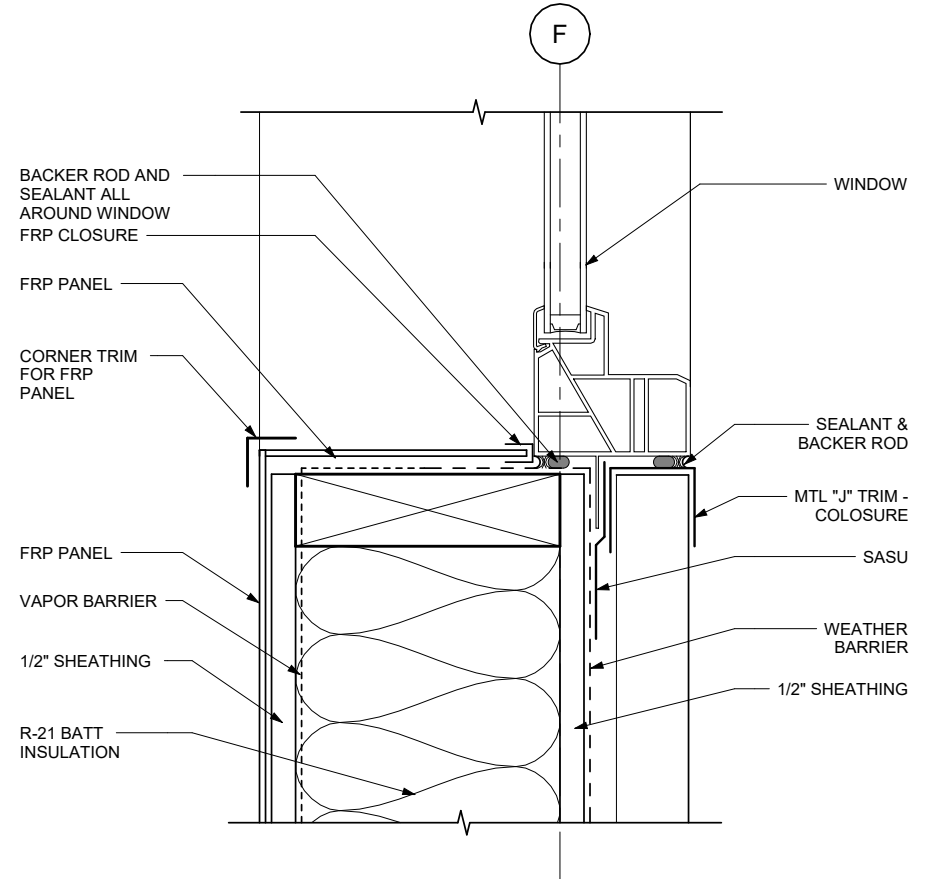
4 TYP END OF WALL

SCALE: 0 3" 6"



5 EXT DOOR JAMB

SCALE: 0 3" 6"

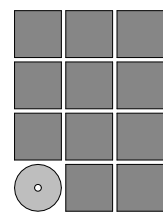


6 WINDOW SILL/JAMB SIM

SCALE: 0 3" 6"

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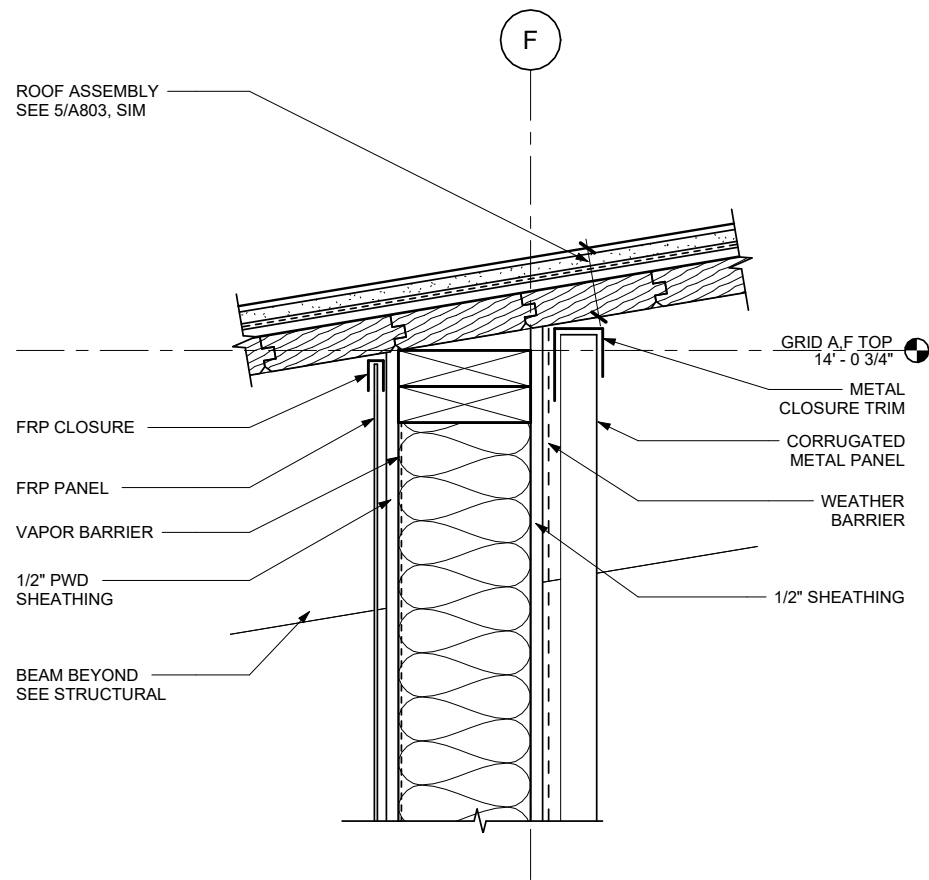
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SHEET TITLE
EXTERIOR DETAILS

DATE: SEPTEMBER 29, 2022
FILE: 22017

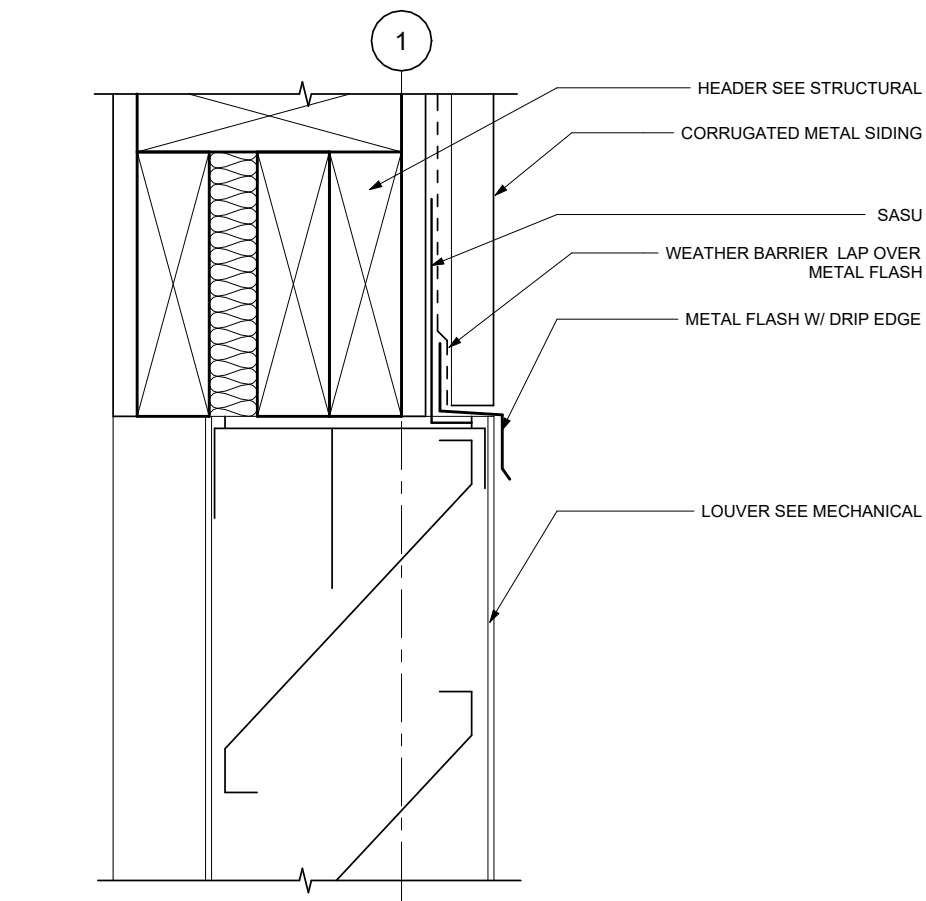
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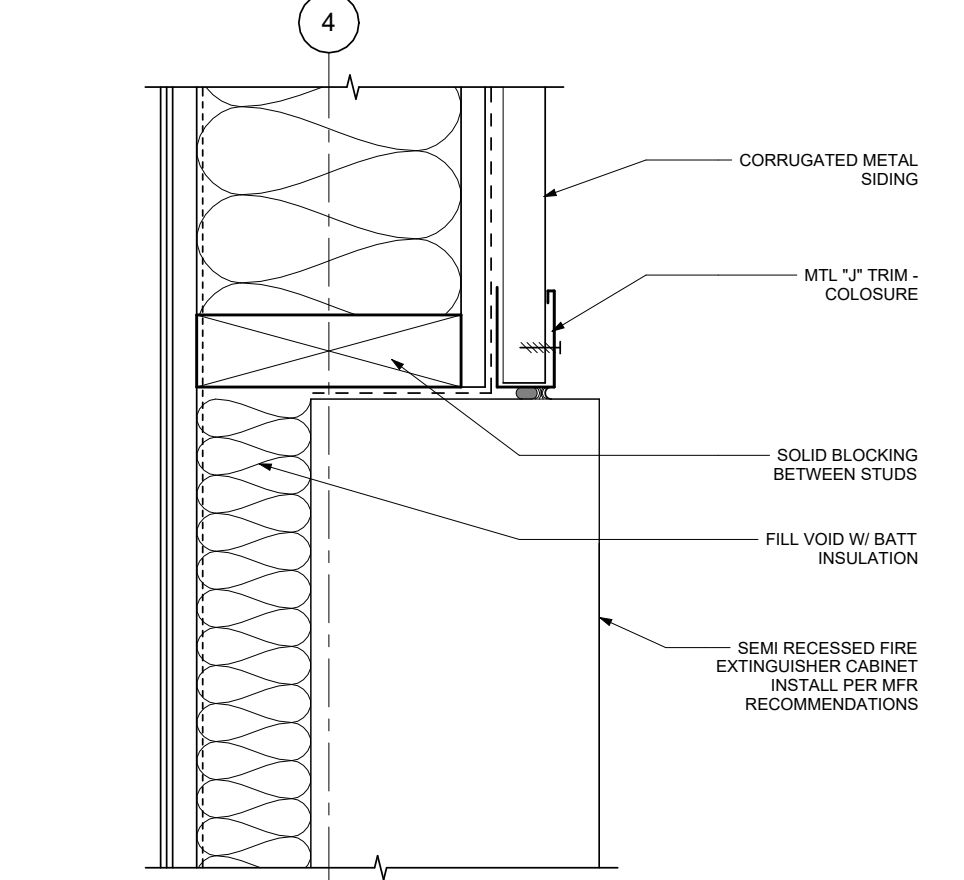
1 EXTERIOR WALL TO ROOF

SCALE: 0 3" 6" 12"



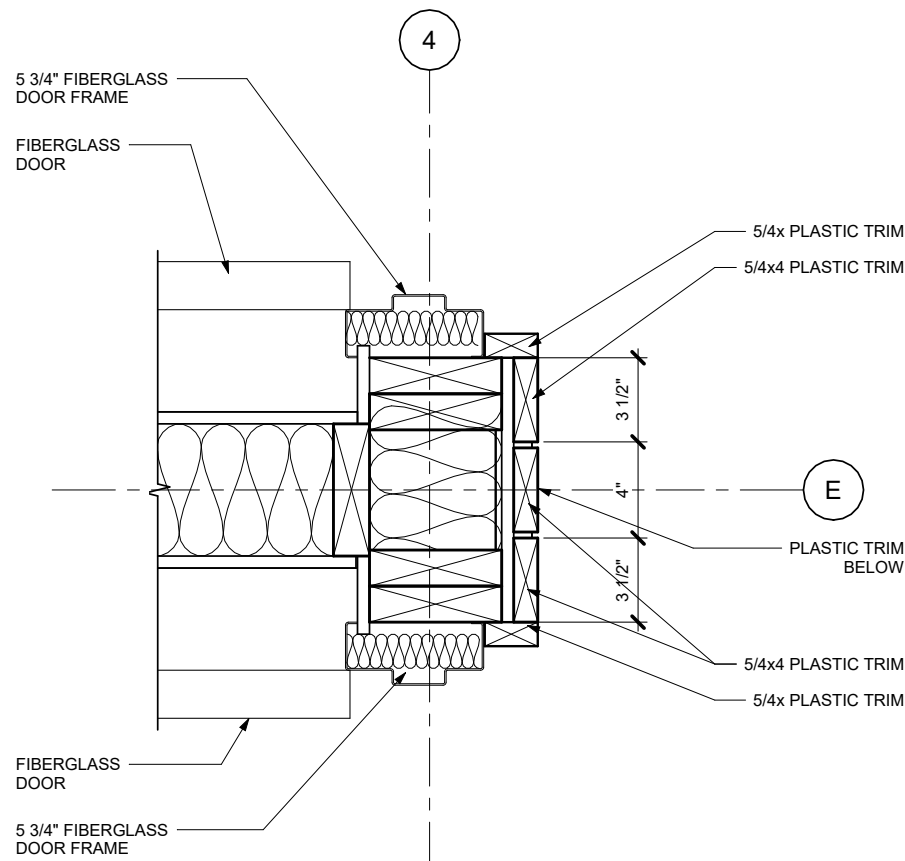
2 HEAD @ LOUVER

SCALE: 0 3" 6"



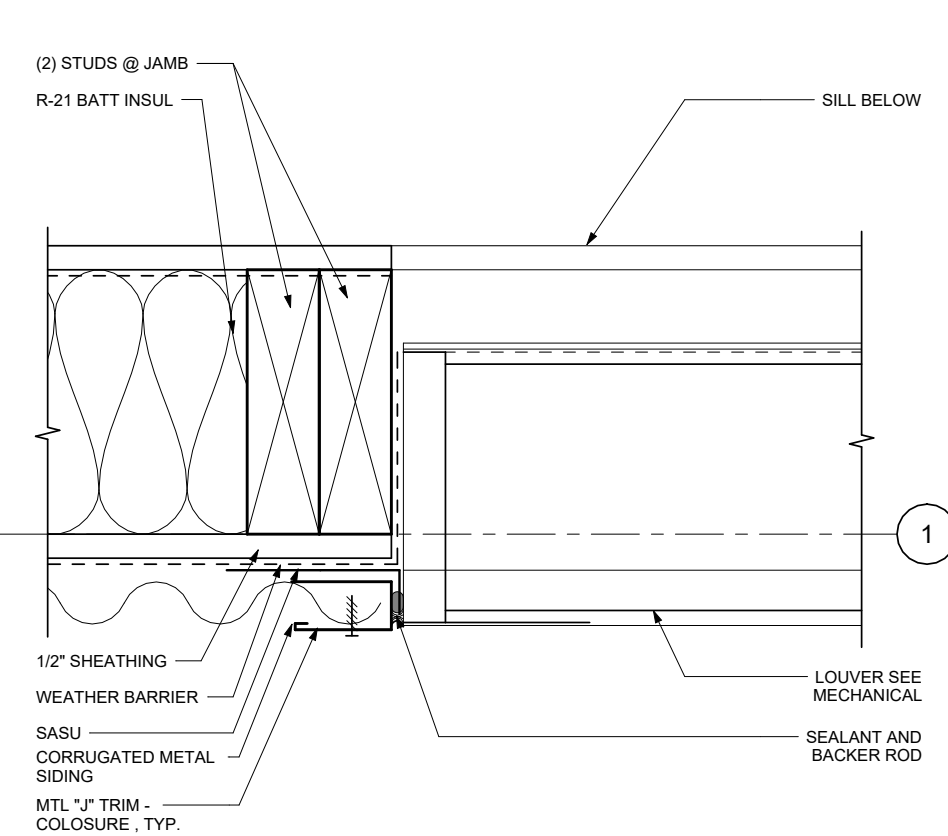
3 HEAD @ FEC, SILL SIM

SCALE: 0 3" 6"



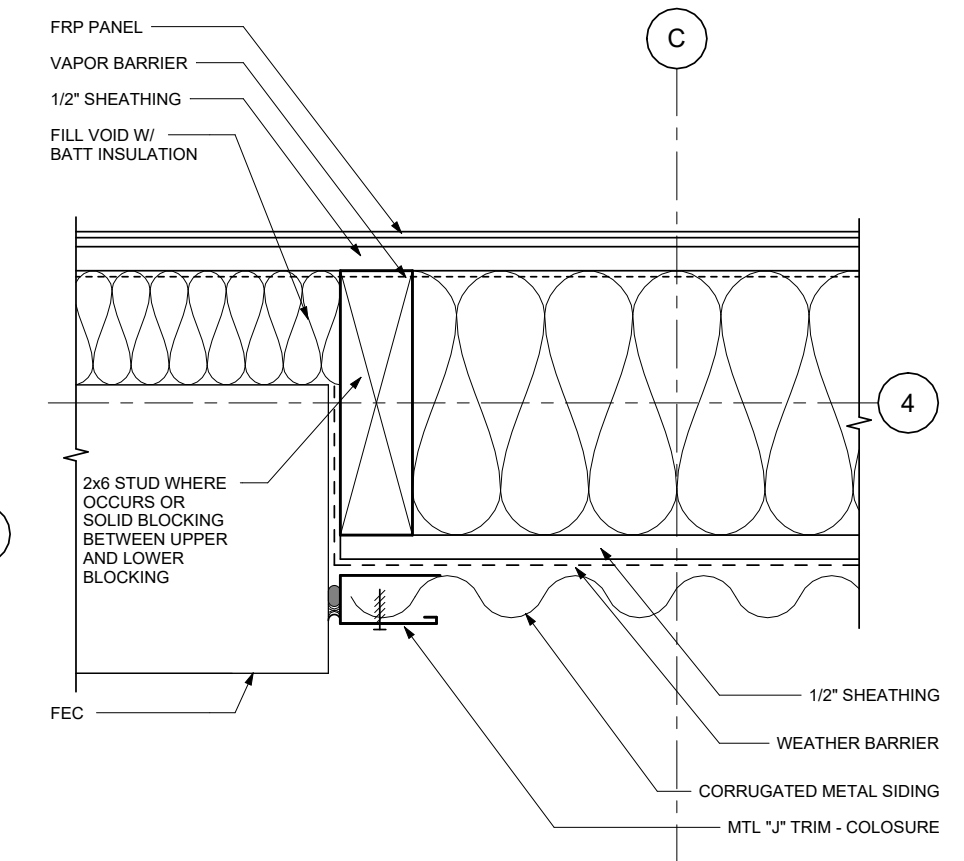
4 DOORS @ WAITING

SCALE: 0 3" 6" 12"



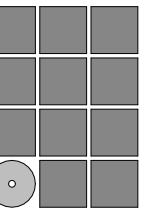
5 JAMB/SILL @ LOUVER

SCALE: 0 3" 6"



6 JAMB @ FEC

SCALE: 0 3" 6"



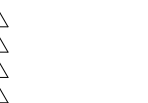
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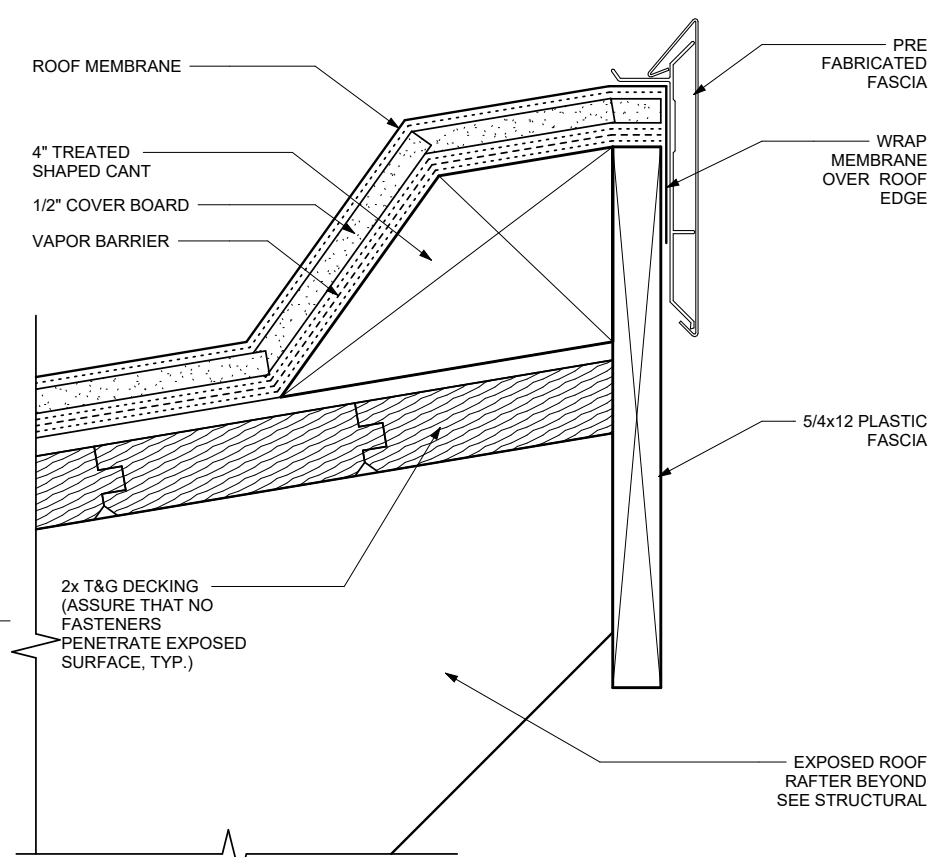


SHEET TITLE
EXTERIOR DETAILS

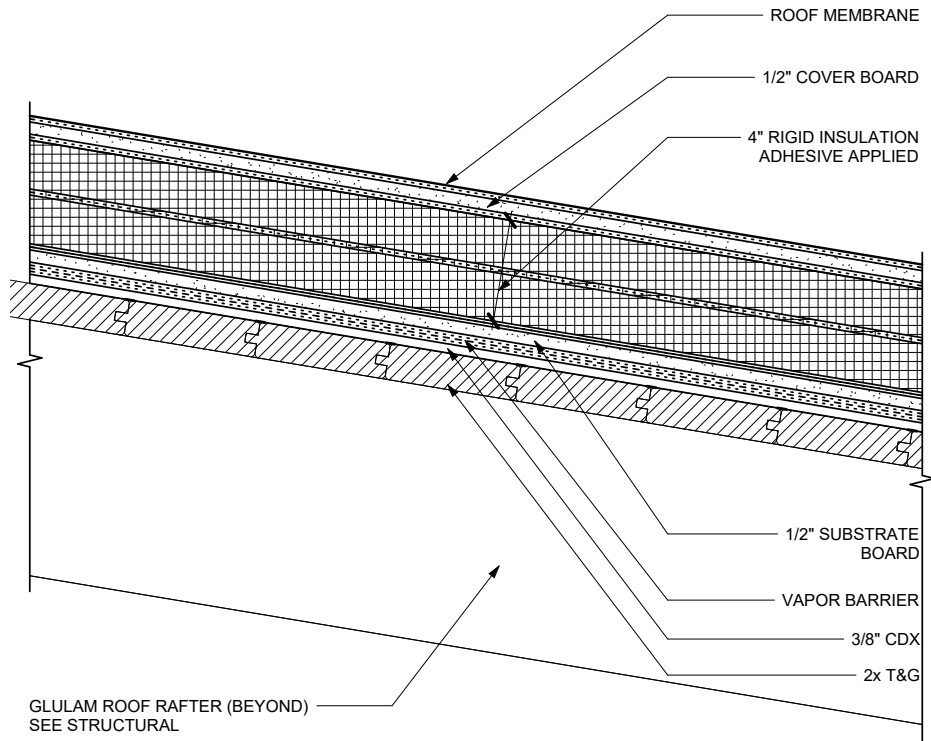
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A802

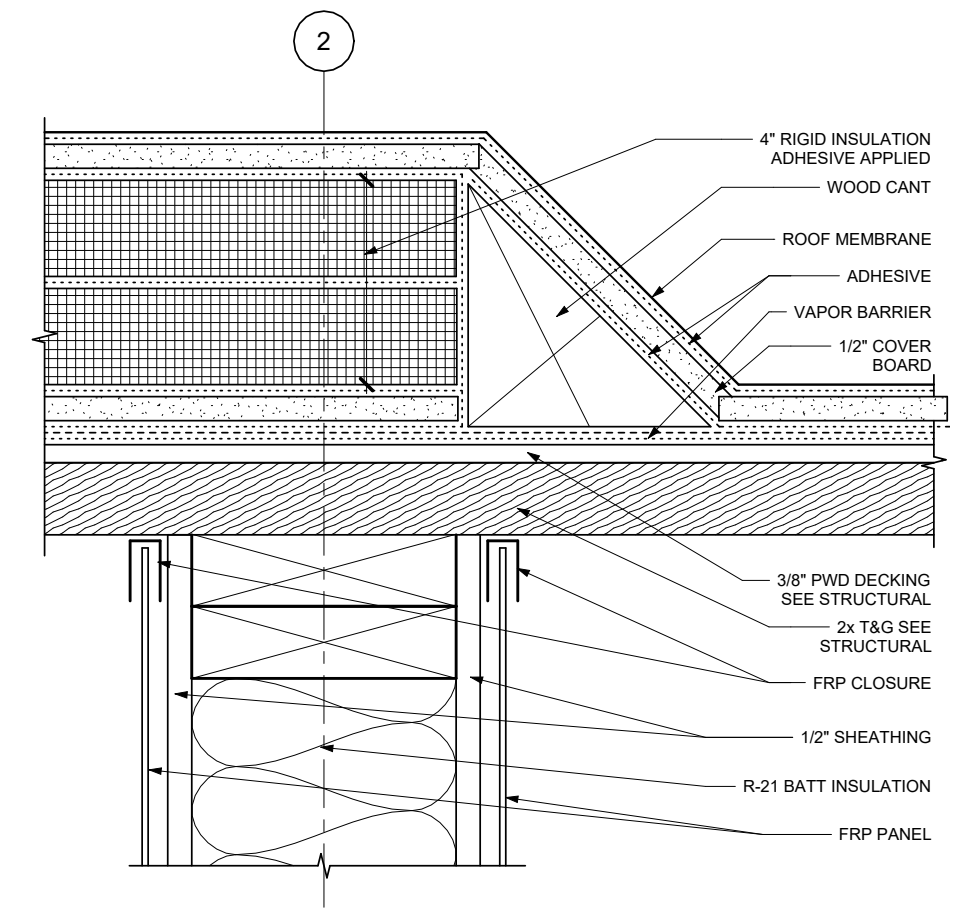
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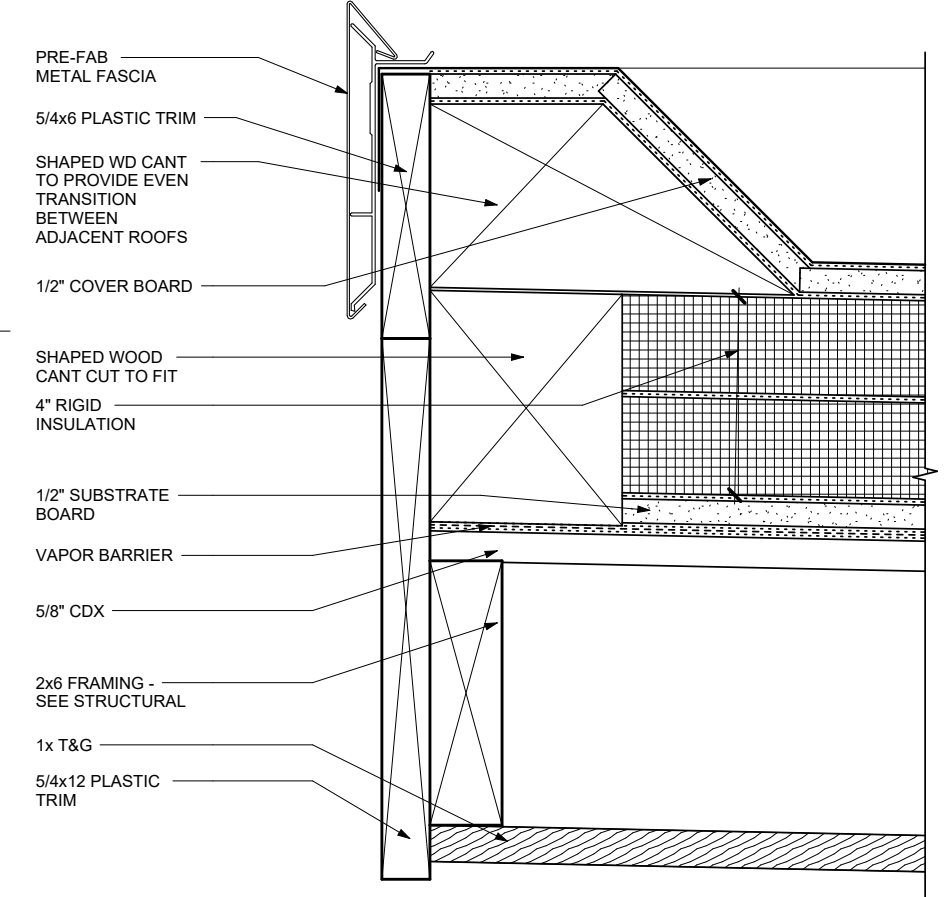
1 TYP HIGH EAVE SCALE: 0 3" 6"



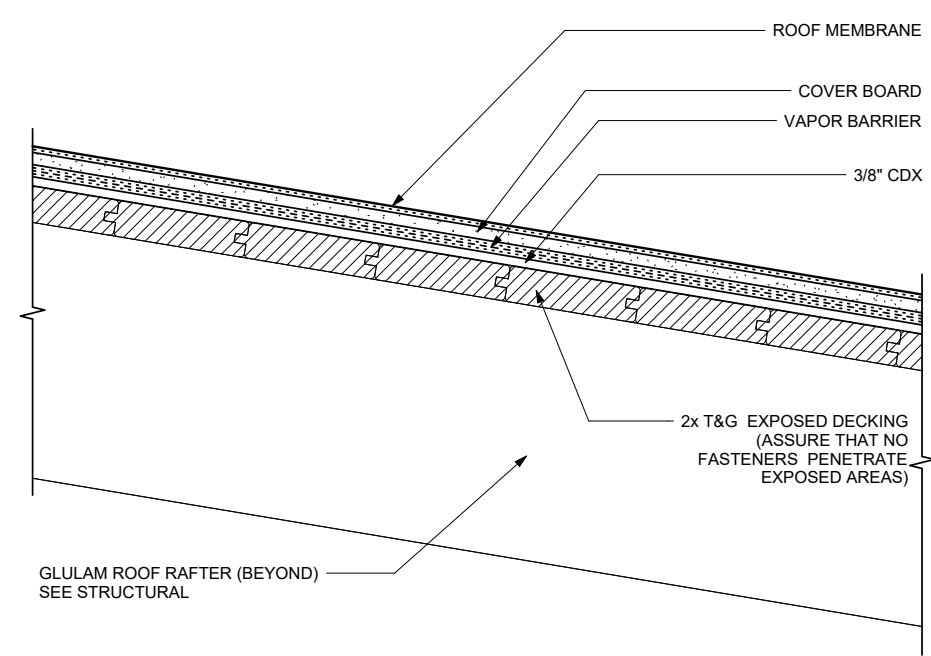
2 TYPICAL ROOF @ INSULATION SCALE: 0 3" 6" 12"



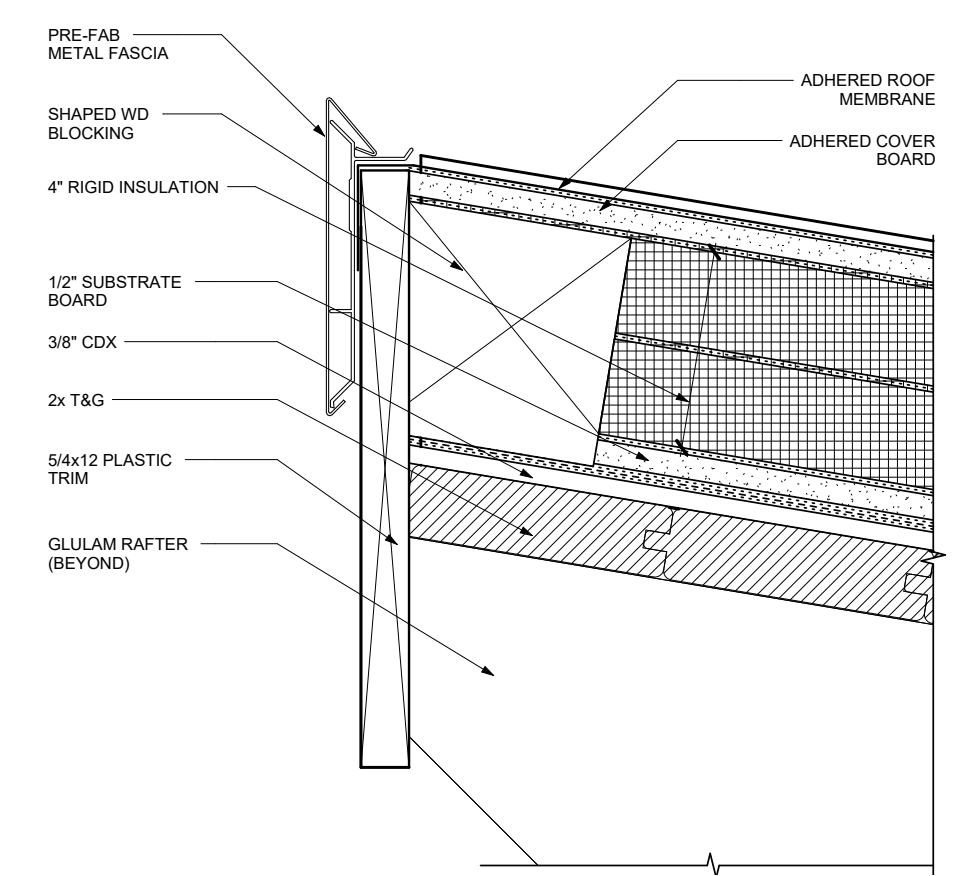
3 ROOF TRANSITION @ INSUL SCALE: 0 3" 6"



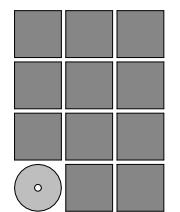
4 EAVE @ INULATED ROOF SCALE: 0 3" 6" 12"



5 TYPICAL ROOF ASSEMBLY SCALE: 0 3" 6" 12"



6 EAVE @ INSULATED ROOF SCALE: 0 3" 6" 12"



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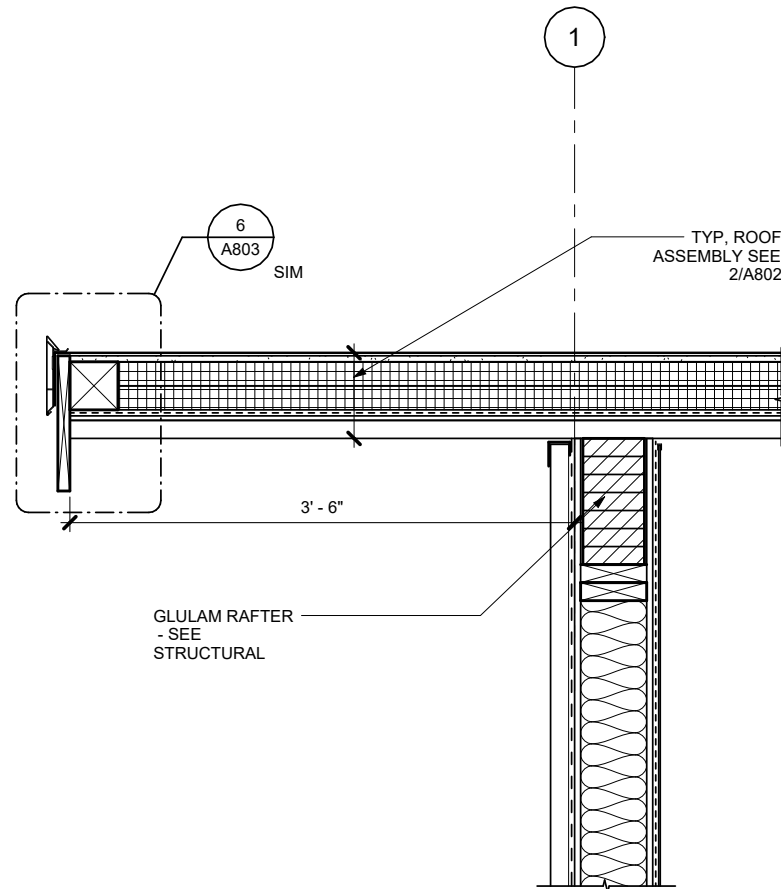
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CBJ CONTRACT No. DH23-010
JUNEAU, ALASKA

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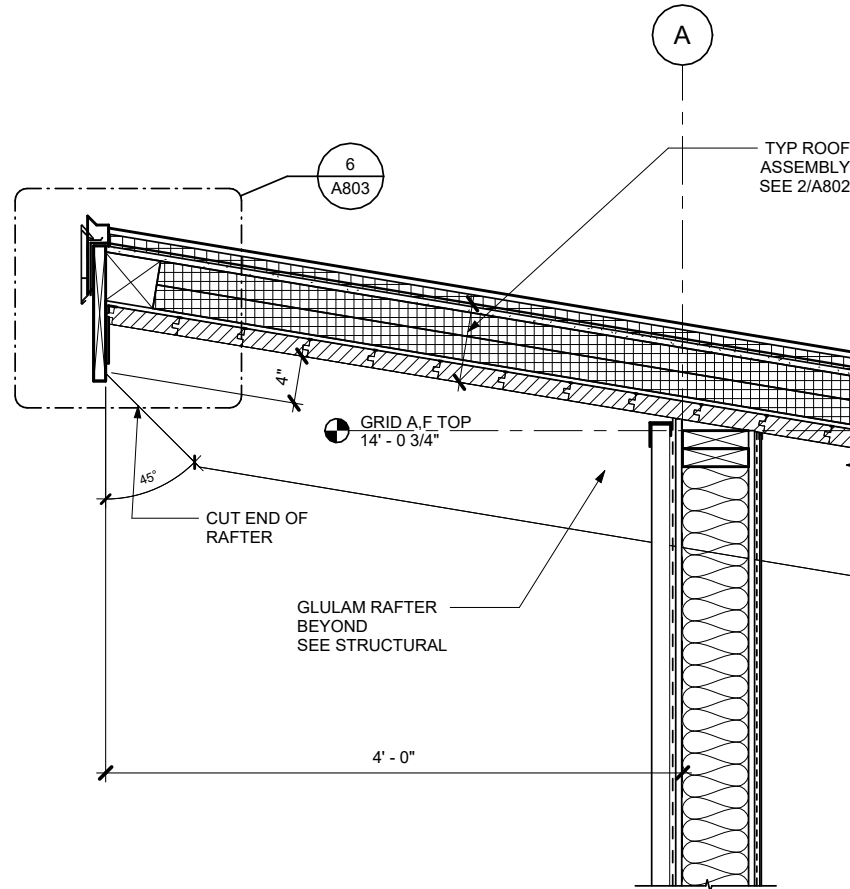
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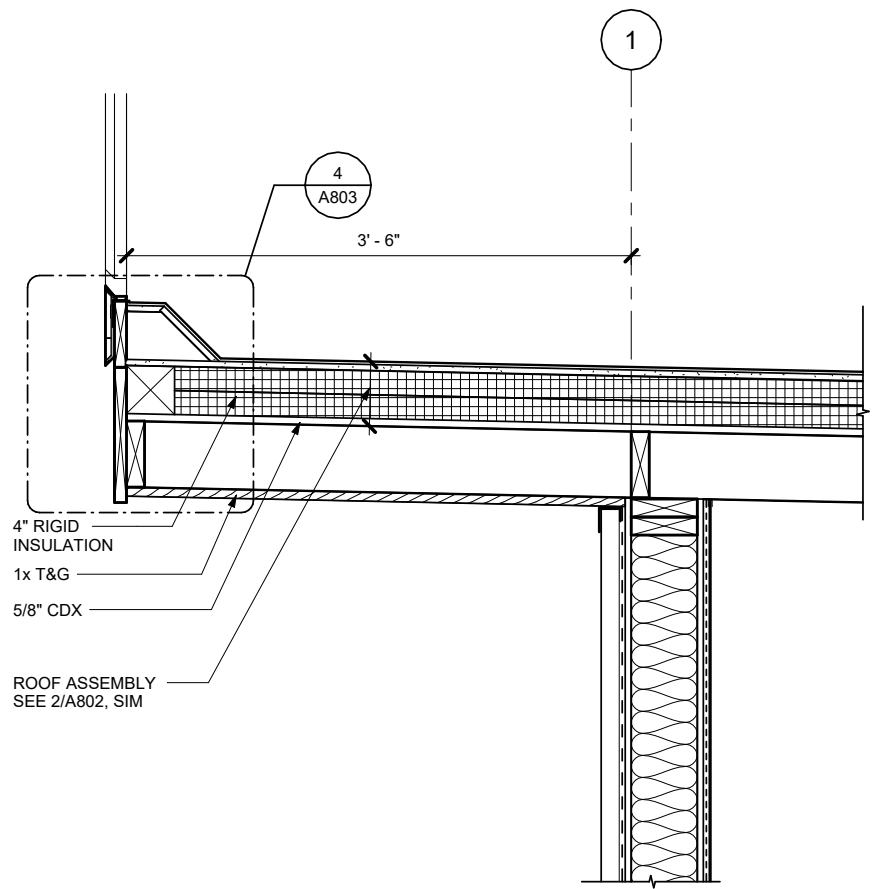
1 RAKE DETAIL

SCALE: 0 6" 1' 2'



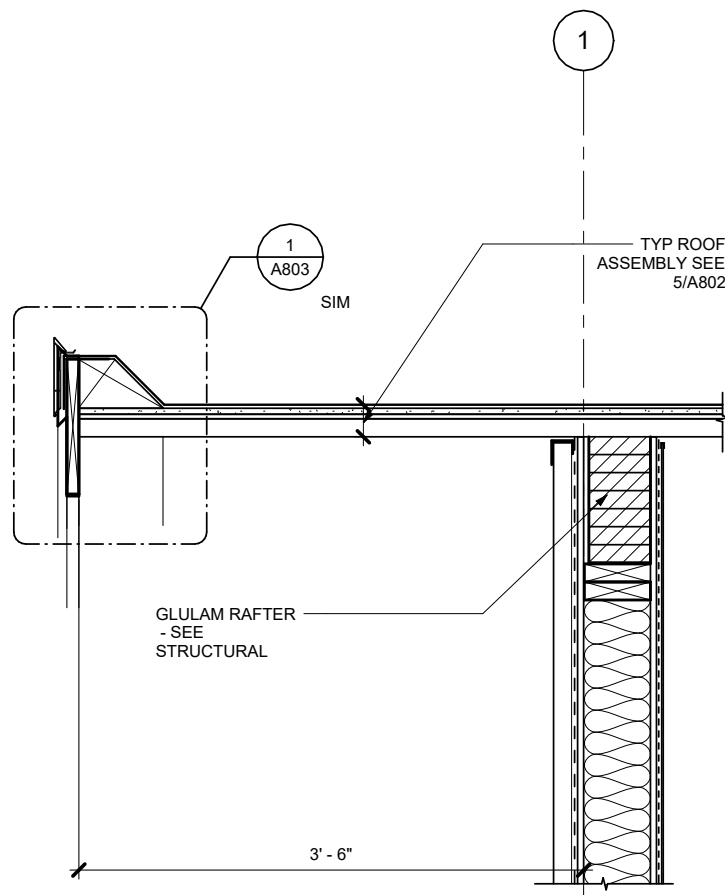
2 EAVE DETAIL

SCALE: 0 6" 1' 2'



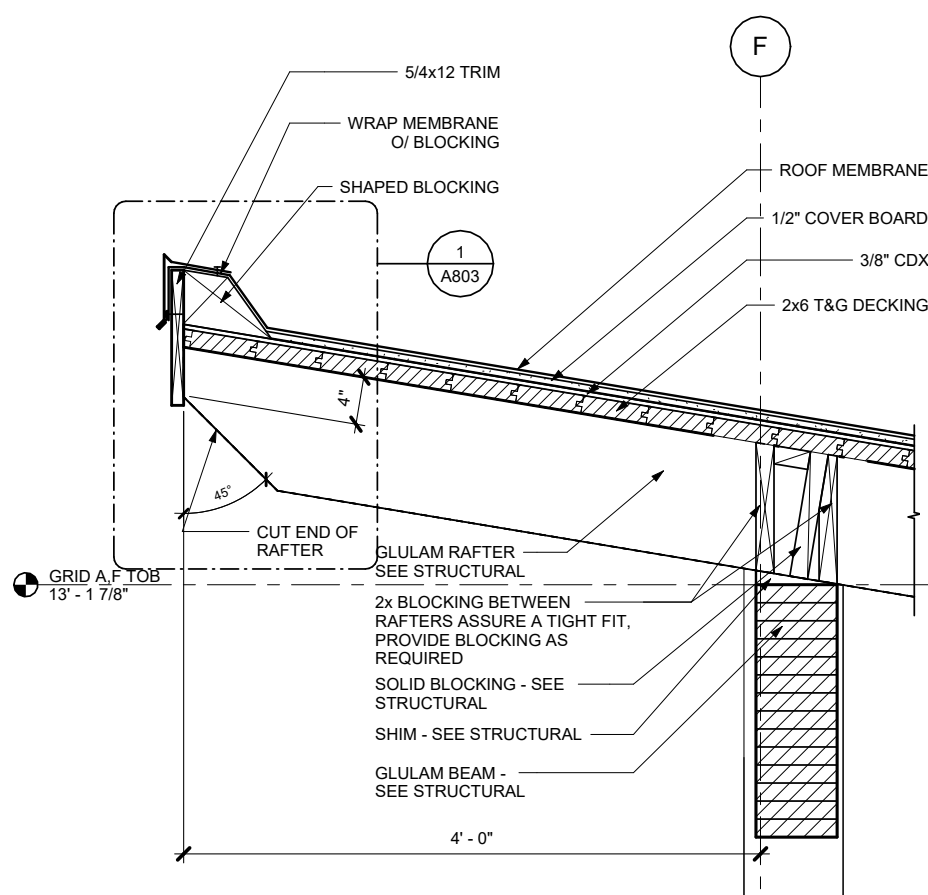
3 RAKE DETAIL

SCALE: 0 6" 1' 2'



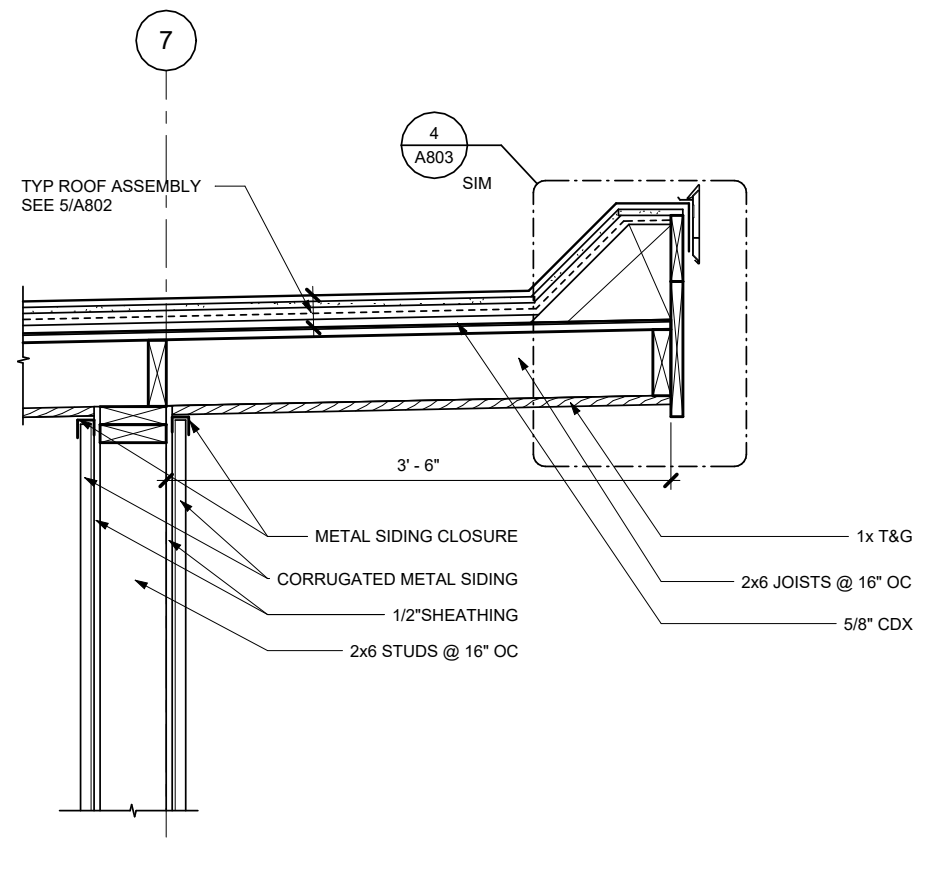
4 RAKE DETAIL

SCALE: 0 6" 1' 2'



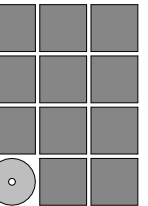
5 EAVE DETAIL

SCALE: 0 6" 1' 2'



6 CANTILEVER ROOF

SCALE: 0 6" 1' 2'



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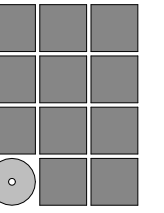
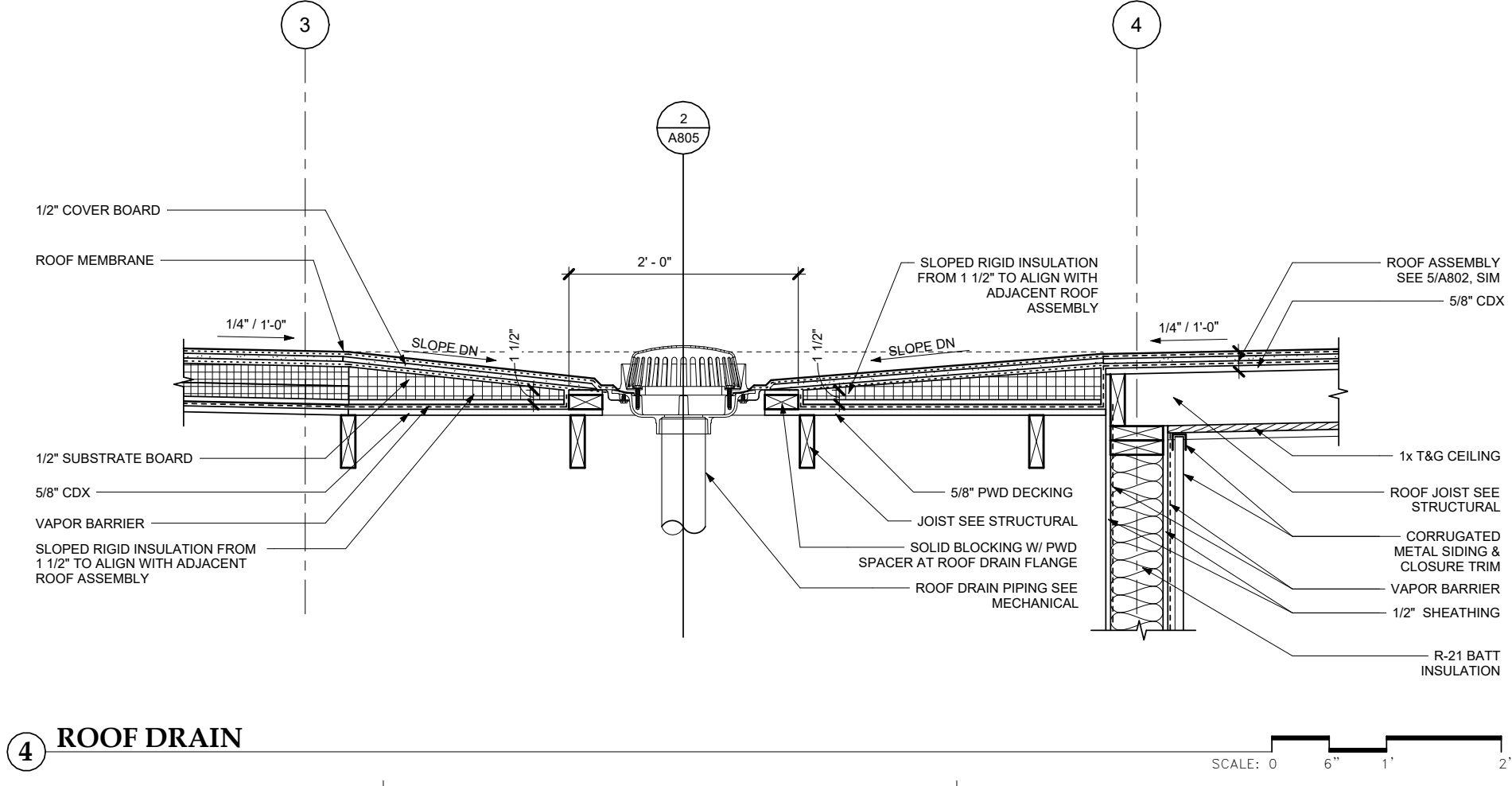
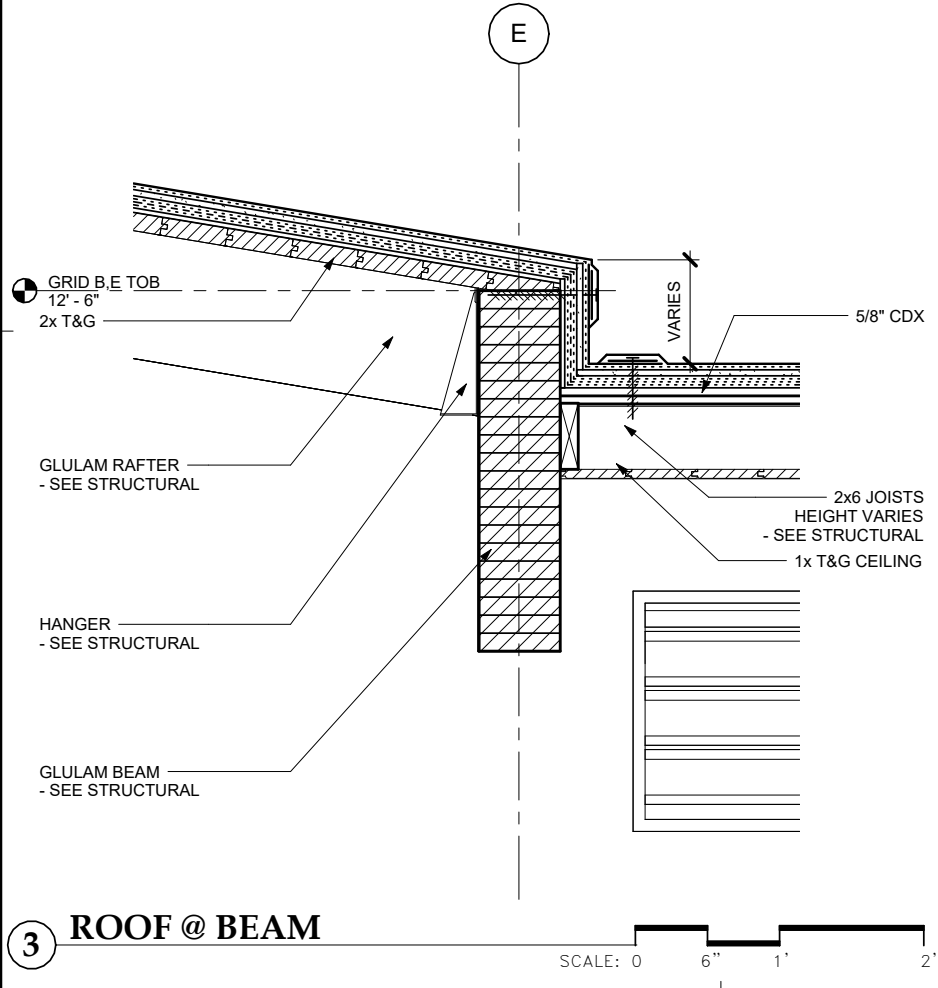
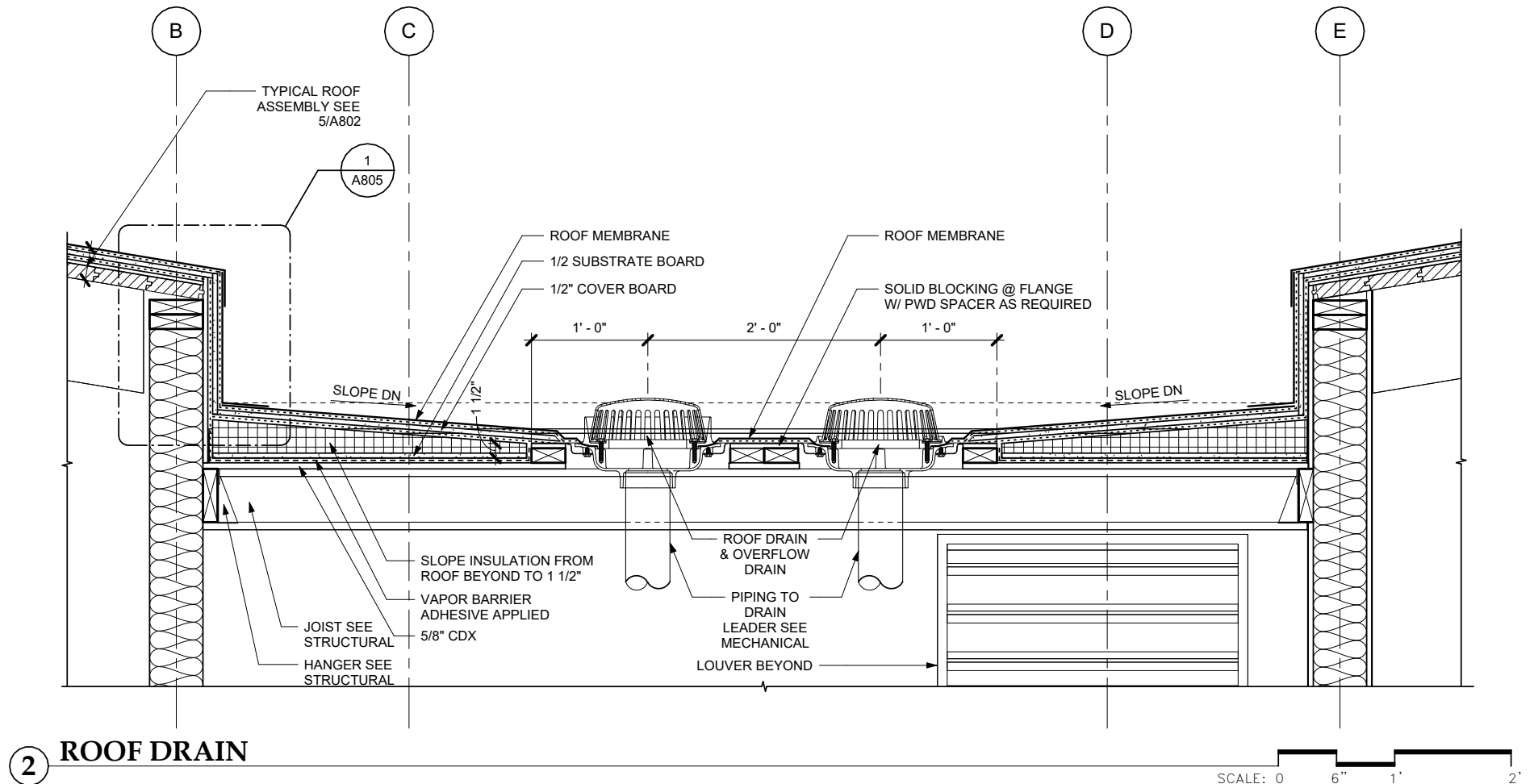
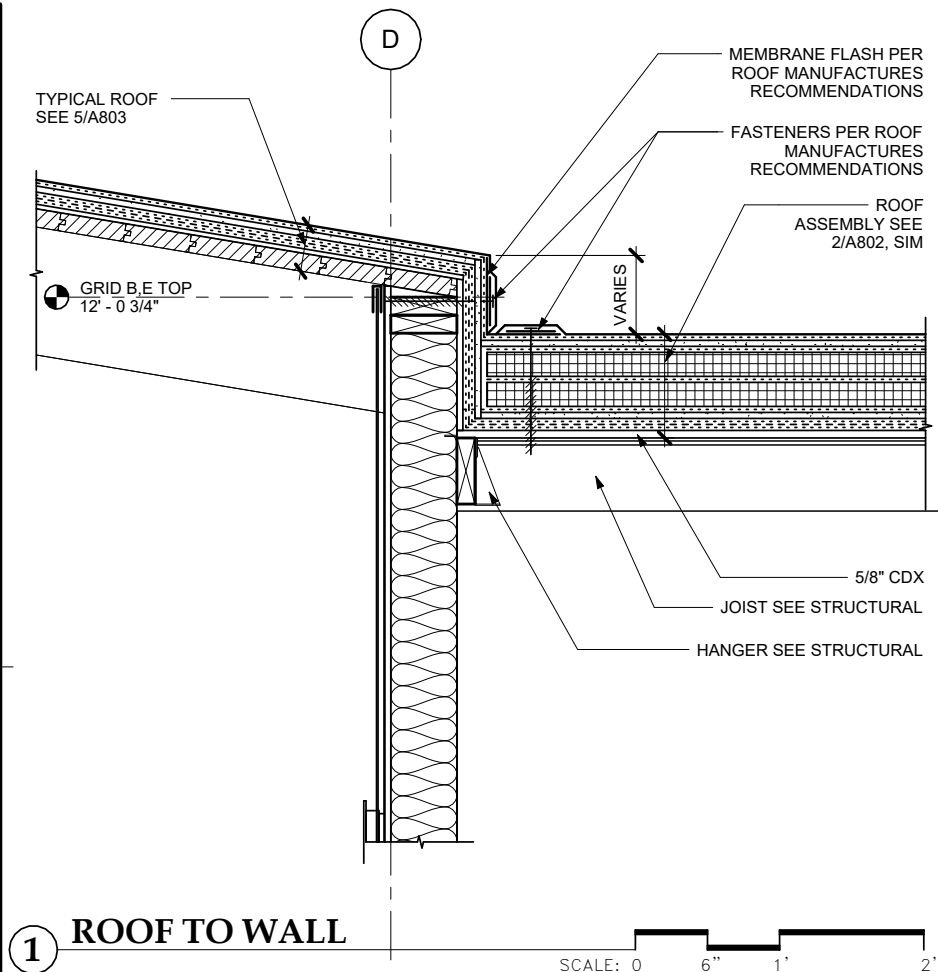


SHEET TITLE
EXTERIOR DETAILS

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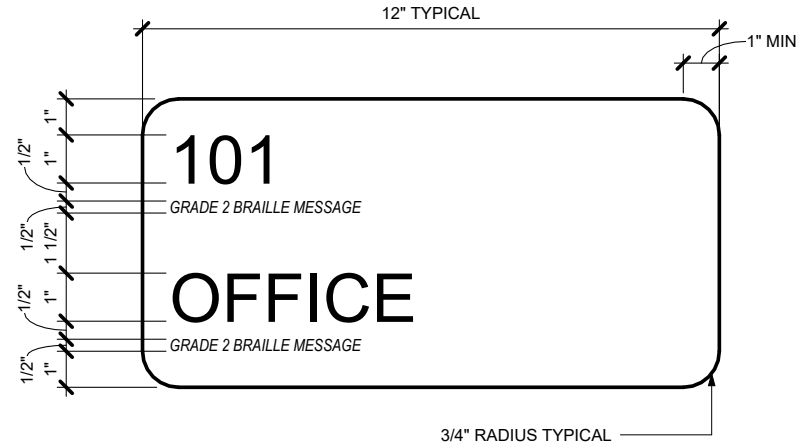
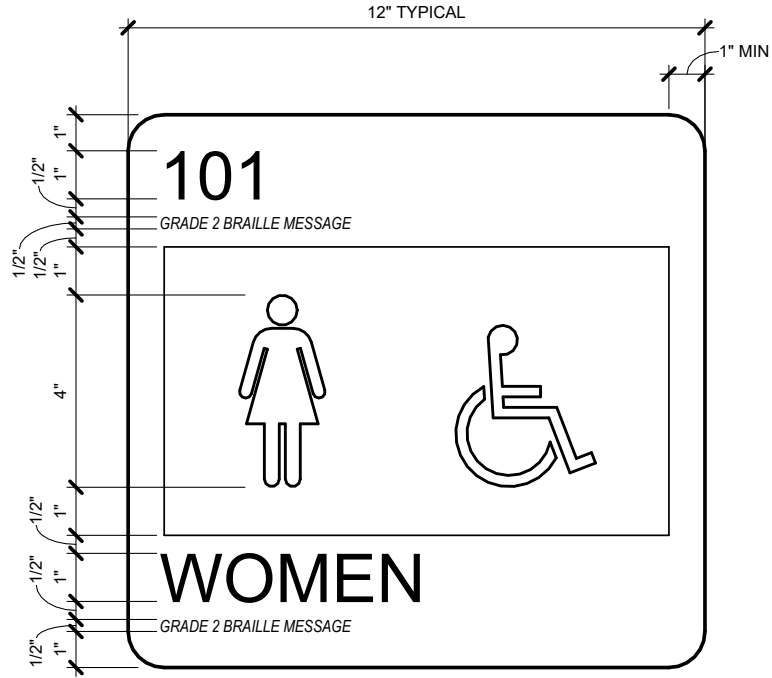
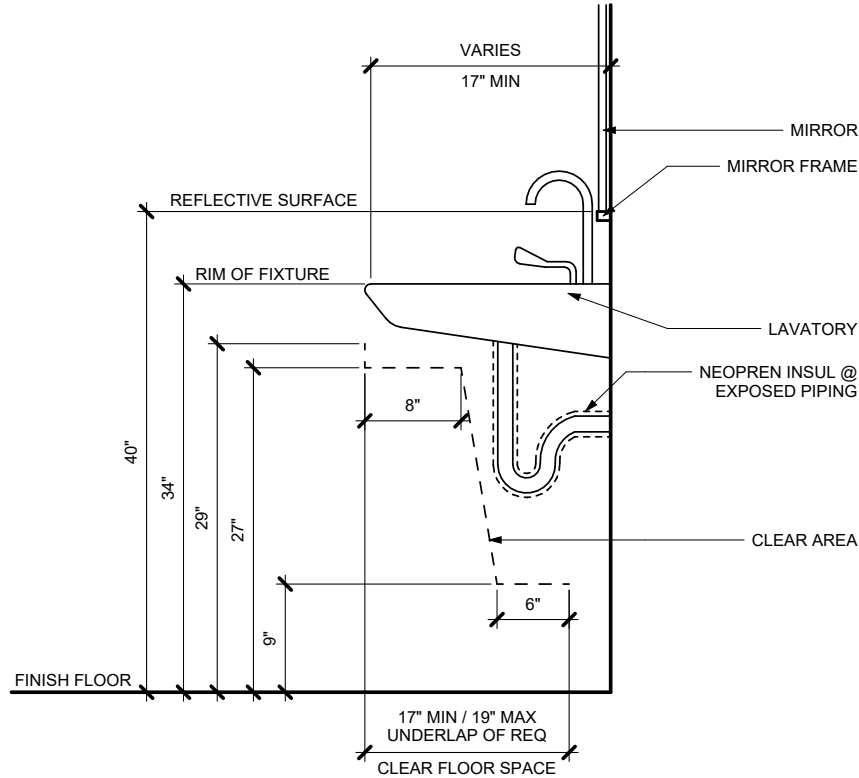


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SHEET TITLE	
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A805



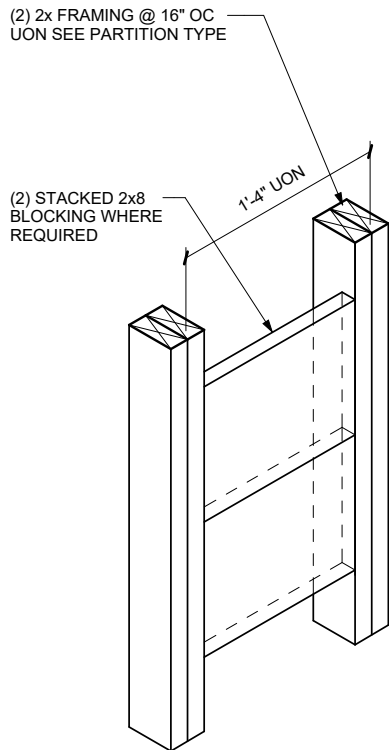
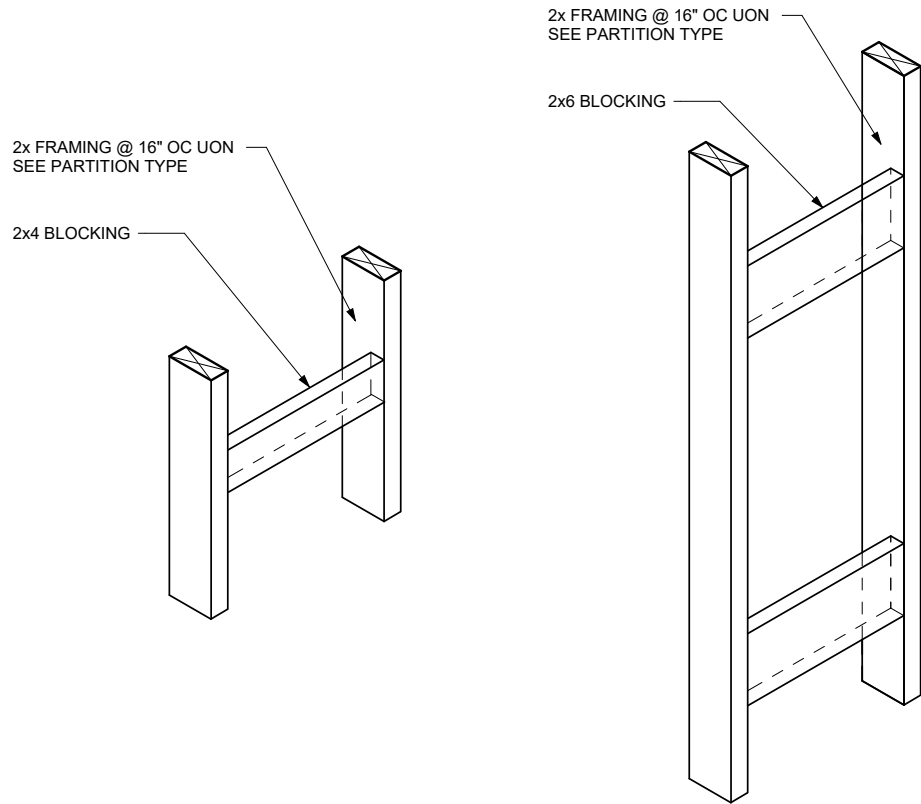
INTERIOR PANEL SIGN TYPE A
VARY SIZE AS REQUIRED TO FIT MESSAGE TEXT

INTERIOR PANEL SIGN TYPE B
VARY SIZE AS REQUIRED TO FIT MESSAGE TEXT

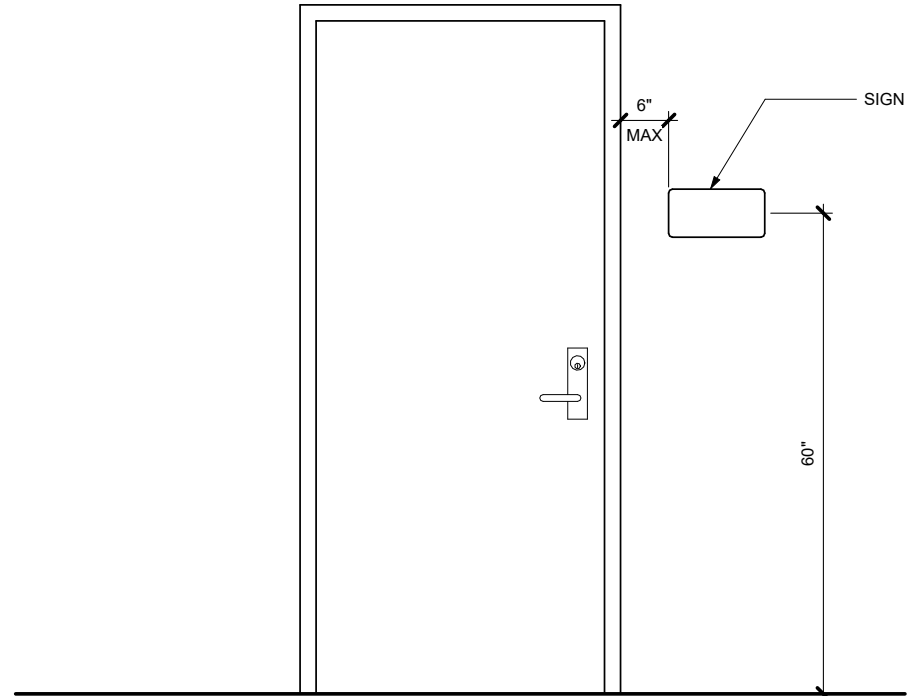
1 ACCESSIBLE LAVATORY DETAIL
SCALE: 0 6" 1' 2'

2 SIGNAGE TYPE A
SCALE: 0 3" 6"

3 SIGNAGE TYPE B
SCALE: 0 3" 6"



- NOTES TYPE C:
1. TYPE A BACKING IS FOR SMALL LIGHT-WEIGHT ITEMS (SUCH AS DOORSTOPS, COAT OR ROBE HOOKS, ETC.) THAT WEIGH OR SUPPORT LESS THAN 50 LBS.
 2. TYPE B BACKING IS FOR UPPER WALL MOUNTED CABINETS (UP TO (2) SHELVES) BASE CABINETS, FULL HEIGHT CABINTES, COUNTERS, HANDRAILS, WALL BUMPERS AND WALL MOUNTED EQUIPMENT UP TO 100 LBS PER LF
 3. TYPE C BACKING IS FOR WALL MOUNTED EQUIPMENT EXCEEDING 200 LBS PER LF OR AS DESIGNATED
 4. SEE MFR'S MOUNTING INSTRUCTIONS FOR FASTENING EQUIPMENT TO BACKING
 5. USE #10 SELF-TAPPING WOOD SCREWS WHERE THERE IS NO MFR'S MOUNTING INSTRUCTIONS
 6. CONFIRM HEIGHT & LOCATION OF BACKING & NUMBER REQUIRED WITH ITEM TO BE MOUNTED
 7. REPEAT DETAIL AS NECESSARY FOR ITEMS WIDER THAN (1) STUD BAY

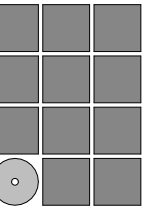


4 TYPE A
BACKING PLATE CONSTRUCTION
@ WD STUDS

TYPE B

TYPE C

6 TYPICAL SIGNAGE
SCALE: 0 6" 1' 2'



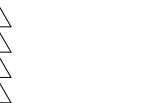
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CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACT No. DH23-010
JUNEAU, ALASKA

REVISIONS



SHEET TITLE
INTERIOR DETAILS

DATE: SEPTEMBER 29, 2022
FILE: 22017

A901

GENERAL NOTES

1. PROPERTY DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION OR BETTER AT NO ADDITIONAL COST.
2. CBJ ENGINEERING STANDARD DETAILS BOOK DATED AUGUST, 2011 IS MADE A PART OF THIS CONTRACT, WITH CURRENT REVISIONS AS APPLICABLE. STANDARD DETAILS SHALL ONLY BE UTILIZED AS SPECIFICALLY REFERENCED IN THE DRAWINGS WITH MODIFICATIONS SPECIFIED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE, LOCAL, STATE AND FEDERAL CODES, PERMITS AND SAFETY REQUIREMENTS.
4. THE LOCATIONS OF EXISTING FEATURES AND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES NOT SHOWN IN THESE DRAWINGS MAY BE PRESENT. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AS NECESSARY, PRIOR TO BEGINNING WORK. THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD SHALL BE RECORDED ON THE CONTRACTOR'S RECORD DRAWINGS. CONTACT LOCAL UTILITY COMPANIES PRIOR TO ANY/ ALL EXCAVATIONS AT THE FOLLOWING TELEPHONE NUMBERS:

DIAL BEFORE YOU DIG!
586-1333
UNDERGROUND POWER, TELEPHONE, T.V.,
COMMUNICATIONS, WATER AND WASTEWATER LINES
ARE IN THE AREA. UTILITIES SHOWN HERE DO NOT
SUBSTITUTE FOR FIELD LOCATES.

5. GRADING AND FINAL ALIGNMENT OF UTILITIES & PIPING ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER TO FIT SITE CONDITIONS, AT NO ADDITIONAL COST.
6. CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED BOROUGH DEPARTMENTS AND LOCAL UTILITY COMPANIES DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL NOT DISRUPT UTILITY SERVICES EXCEPT AS REQUIRED TO COMPLETE THE RECONFIGURATION OF THOSE SERVICES AS SHOWN IN THE PLANS. COORDINATE ANY DISRUPTIONS WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE.

ABBREVIATIONS

A		H		Q	
@	AT	HDG	HOT-DIPPED GALVANIZED	QTY	QUANTITY
ACP	ASPHALT CONCRETE PAVEMENT	HWY.	HIGHWAY	R	
APPROX.	APPROXIMATE	I		R/RAD	RADIUS
B		ID	INSIDE DIAMETER	RE	RIM ELEVATION
BLDG	BUILDING	IE	INVERT ELEVATION	REQD	REQUIRED
BTM,BOT	BOTTOM	INV	INVERT	REQMTS	REQUIREMENTS
BTWN	BETWEEN	J		ROW	RIGHT OF WAY
C		JB	JUNCTION BOX	S	
C&G	CURB & GUTTER	K		SD	STORM DRAIN
CB	CATCH BASIN	K	RATE OF CURVATURE	SDI	STORM DRAIN INLET STRUCTURE
CIP	CAST-IN-PLACE	L		SDO	STORM DRAIN OUTLET STRUCTURE
C	CENTER LINE	LF	LINEAR FEET	SDR	STANDARD DIMENSION RATIO
CLR	CLEAR	LONG	LONGITUDINALLY	SF	SQUARE FOOT
CMP	CORRUGATED METAL PIPE	M		SHT	SHEET
CO	CLEANOUT	MAX	MAXIMUM	SPEC	SPECIFICATION (S)
CONC	CONCRETE	MH	MANHOLE	SS	STAINLESS STEEL, SANITARY SEWER
CPP	CORRUGATED POLYETHYLENE PIPE	MIN	MINIMUM	SDMH	STORM DRAIN MANHOLE
COR	CORNER	MLLW	MEAN LOWER LOW WATER	SSMH	SANITARY SEWER MANHOLE
CRNRS	CORNERS	MSE	MECHANICALLY STABILIZED EARTH	STA	STATION
CTE	CONNECT TO EXISTING	MTL	MATERIAL (S)	STD	STANDARD
CTR	CENTER	N		SWR	SEWER
CY	CUBIC YARD	N	NORTH	SY	SQUARE YARD
D		NFS	NON FROST SUSCEPTIBLE	SYMM	SYMMETRICAL
D/DIA	DIAMETER	NTS	NOT TO SCALE	T	
DBL	DOUBLE	O		T&B	TOP AND BOTTOM
DIP	DUCTILE IRON PIPE	OC	ON CENTER	t/THK	THICK
DIM	DIMENSION	OD	OUTSIDE DIAMETER	TD	TRENCH DRAIN
DTL	DETAIL	OHE	OVERHEAD ELECTRICAL	TRANS	TRANSVERSE
E		OSHA	OCCUPATIONAL SAFETY & HEALTH ADMIN.	TYP	TYPICAL
E	EAST			U	
EA.	EACH			UE	UNDERGROUND ELECTRIC
EJ	EXPANSION JOINT			V	
EL/ELEV	ELEVATION			VB	VALVE BOX
EQ	EQUAL			W	
ES	EXISTING STRUCTURE			W/	WITH
EW	EACH WAY			WL	WATERLINE
(E)/EXIST	EXISTING			WV	WATER VALVE
F				X	
FD	FLOOR DRAIN			XFMR	TRANSFORMER
FF	FINISHED FLOOR				
FH	FIRE HYDRANT, FLAT HEAD				
FM	FORCE MAIN SEWER				
FT	FOOT				
G					
GB	GRADE BREAK				
GV	GATE VALVE				

CIVIL LEGEND

EXISTING	THIS PROJECT	
FO _x		BURIED FUEL LINE
E _x		ELECTRICAL (UNDERGROUND)
W _x	W	WATER
SS _x	SS	GRAVITY SANITARY SEWER
ROW		RIGHT-OF-WAY
C _x		COMMUNICATION (CABLE/TEL)
SD _x	PI	STORM DRAIN
FM _x	FM	FORCE MAIN SANITARY SEWER
X _x		FENCE
42		SURVEY CONTROL
Up		UTILITY POLE
		FIRE HYDRANT
		LIGHT POLE
SDMH		GRINDER PUMP STATION
		STORM DRAIN MANHOLE
		STORM DRAIN INLET
		SIGN
		TREE/VEGETATION
		WATER VALVE
		GUARDRAIL

SURVEY CONTROL

SURVEY CONTROL				
POINT #	NORTHING	EASTING	ELEV. (FT)	DESCRIPTION
42	510492.220	485365.881	24.67	PK NAIL W/FLASHER
416	510963.679	484704.175	—	B.C. MONUMENT
523	511109.967	485541.616	58.51	AKDOT AL. CAP

SURVEY NOTES

1. VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW = 0.00').
2. BASIS OF VERTICAL DATUM FOR THIS PROJECT IS CONTROL POINT 523 WITH A MEAN LOWER LOW WATER ELEVATION OF 58.51 FEET.
3. THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE DOT/PF 2000 JUNEAU GRID. THE DOT/PF JUNEAU GRID IS A LOCAL GROUND SYSTEM BASED AT USC&GS FIRST ORDER CONTROL STATION "EDDIE". IT RELATES TO AKSPC ZONE 1 NAD83 THROUGH THE FOLLOWING PARAMETERS:

ZONE = NAD83 AKSPC ZONE 1
GRID SCALE = 0.999928875
CONVERGENCE = -0°45'27.26"
TRANSLATION ABOUT USC&GS POINT

AS FOLLOWS:

AKSPC NORTHING = 2383469.17310 FT US
AKSPC EASTING = 2512570.06318 FT US
LOCAL NORTHING = 500000.0000 FT US
LOCAL EASTING = 500000.0000 FT US

4. FIELD SURVEYS PERFORMED 2010, 2011, 2012, 2014 AND 2016 BY PND & OTHERS.
5. PROPERTY LINES AND EASEMENTS ARE DERIVED FROM RECORD PLATS.
6. BATHYMETRIC SURVEY PERFORMED BY PND 2010 AND 2016.

LAYOUT TABLES

STORM DRAIN PIPING						
PIPE DESIGNATION	NOMINAL Ø	LENGTH	FROM	IE	TO	IE
P1	6" PVC	38'	*BLDG	21.17	ES	19.65
P2	6" PVC	6'	*BLDG	21.17	WYE	20.77
P3	6" PVC	51'	TD	21.54	ES	19.50

*COORDINATE WITH MECHANICAL FOR CONNECTION TO UTILITES AT BUILDING FOUNDATION.

WATER SYSTEM LAYOUT			
POINT	NORTHING	EASTING	DESCRIPTION
W1	510800.52	485285.73	CTE / 30° ELBOW
W2	510778.90	485302.97	45° ELBOW
W3	510766.62	485301.58	45° ELBOW
W4	510737.48	485264.99	6x6x2 TEE
W5	510735.20	485262.13	VALVE – CBJ STD. DTL. 407
W6	510733.69	485260.25	FIRE HYDRANT – CBJ STD. DTL. 403
W7	510735.61	485266.48	VALVE – CBJ STD. DTL. 407
W8	510732.69	485268.80	45° ELBOW
W9	510719.56	485267.31	45° ELBOW

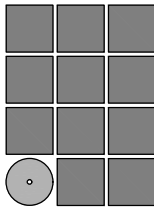
SANITARY SEWER SYSTEM LAYOUT				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
SS1	510809.85	485289.42	—	CTE / 30° ELBOW
SS2	510803.68	485294.36	—	45° ELBOW
SS3	510781.53	485291.84	—	45° ELBOW
SS4	510724.18	485219.87	SEE C105	GRINDER PUMP STATION
SS5	510715.12	485227.06	IE = 19.63'	WYE / CLEANOUT
SS6	510711.82	485256.15	IE = 20.10'	WYE / CLEANOUT

BUILDING FOUNDATION LAYOUT				
GRID	NORTHING	EASTING	ELEVATION	DESCRIPTION
A1	510716.69	485271.44	25.05'	FOUNDATION CORNER
A7	510653.92	485321.43	25.05'	FOUNDATION CORNER



SURVEY CONTROL

NOTE: NOT ALL HARBOR FLOATS AND CURRENT SITE FEATURES SHOWN.



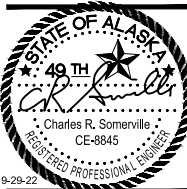
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907-586-2093
C.A.N. # AECC250
PND PROJECT #182069



CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACT No. DH23-010
JUNEAU, ALASKA

REVISIONS



SHEET TITLE

LEGEND, GENERAL
NOTES, ABBREVIATIONS,
LAYOUT TABLES,
SURVEY CONTROL

DATE: SEPTEMBER 29, 2022
FILE:

C101



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C.A.N. # AECC250
PND PROJECT #182069



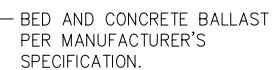
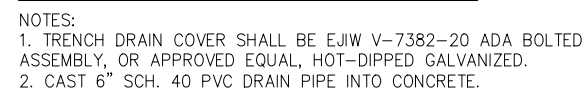
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WHITE SECTIONS

DATE: SEPTEMBER 29, 2022

C104





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STRUCTURAL GENERAL NOTES

STRUCTURAL GENERAL NOTES

CRITERIA

CODE: 2012 EDITION OF INTERNATIONAL BUILDING CODE (IBC) AS AMENDED BY THE STATE OF ALASKA

STRUCTURAL RISK CATEGORY: II

LOADS:

SNOW

GROUND SNOW LOAD: 70 PSF
THERMAL COEFFICIENT Ct = 1.2, (UNHEATED ROOF)
EXPOSURE COEFFICIENT, Ce = 0.8 (TERRAIN CATEGORY D, FULLY EXPOSED)
IMPORTANCE, Is = 1.0 (OCCUPANCY CATEGORY II)
FLAT ROOF SNOW LOAD: 50 PSF

LIVE LOADS

SLAB ON GRADE LIVE LOAD 100 PSF

WIND LOADS:

ULTIMATE WIND SPEED: 127 MPH
EXPOSURE: D; AVERAGE ROOF HEIGHT < 15 FEET; Kz = 1.03 Kzt = 1.0; Kd =0.85
ULTIMATE STATIC PRESSURE, qu = 38.5 PSF

SEISMIC LOADS

SITE CLASS: D;
Sds = 0.55 g; Sd1 = 0.43 g
DESIGN CATEGORY D; IMPORTANCE = 1.0
R = 6.5 (LIGHT FRAMED WOOD WALLS SHEATHED WITH WOOD PANELS)
Cs = 0.085 g

FOUNDATION:

FOUNDATION HAS BEEN DESIGNED WITH AN ALLOWABLE BEARING PRESSURE OF 2,000 PSF BASED UPON THE ANTICIPATION OF ENCOUNTERING SANDS AT LIMIT OF FOUNDATION

STRUCTURAL MATERIALS AND CONSTRUCTION

BASE COURSE

BASE COURSE SHALL CONFORM TO GRADATION LISTED IN THE SPECIFICATIONS. PLACE AND COMPACT PER SPECIFICATIONS.

CONCRETE

MIXING, PLACING, AND CURING OF CONCRETE AND SELECTION OF MATERIALS SHALL BE IN ACCORDANCE WITH THE IBC. PROPORTIONS OF AGGREGATE, CEMENT AND WATER SHALL BE SUCH TO RESULT IN A DENSE WORKABLE MIX WHICH CAN BE PLACED WITHOUT EXCESS SURFACE WATER. A MIX DESIGN, WITH RECORDED CYLINDER TEST RESULTS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO MOBILIZING CONCRETE EQUIPMENT TO THE SITE. MAXIMUM SLUMP SHALL BE 4 INCHES PRIOR TO ADDING PLASTICISERS OR WATER REDUCERS ON SITE. 28-DAY COMPRESSIVE STRENGTH (fc') SHALL BE 4,000 PSI. CONCRETE SHALL BE ENTRAINED WITH AIR SO THAT AIR CONTENT WILL BE BETWEEN 5 AND 8 PERCENT. SLABS AND CURB FACES SHALL BE SEALED WITH A PENETRATING LIQUID SEALER, ASHFORD FORMULA OR APPROVED EQUAL

CONCRETE REINFORCING SHALL COMPLY WITH ASTM A615 GRADE 60. LAP REINFORCING STEEL 50 BAR DIAMETERS UNLESS OTHERWISE NOTED. AT CORNERS ADD CORNER BARS AT EACH HORIZONTAL BAR WITH LEG LENGTH AT LEAST 50 DIAMETER LAP LENGTH OR EXTEND THE HORIZONTAL BARS IN ONE WALL WITH A 90 DEGREE HOOK WITH A 50 DIAMETER LAP LENGTH.

REINFORCING SHALL BE SUPPORTED AND SECURED IN PLACE PRIOR TO CONCRETE PLACEMENT USING WELL-CURED CONCRETE BLOCKS OR APPROVED STEEL CHAIRS. WELDING OF REINFORCING IS PROHIBITED UNLESS SPECIFICALLY NOTED.

PROVIDE MINIMUM COVER AT REINFORCING BARS AS FOLLOWS: CAST AGAINST EARTH 3 INCHES, EXPOSED TO EARTH OR WEATHER 2 INCHES AND SLABS ON GRADE 1.5 INCHES.

SHEATHING

SHEATHING SHALL BE PLYWOOD AND SHALL CONFORM WITH APA PS 1, EXPOSURE 1 SHEATHING GRADE CD OR OF A BETTER GRADE.

TIMBER FRAMING

SPECIES AND GRADES: UNLESS NOTED OTHERWISE, ALL TIMBER 2 TO 4 INCHES THICK SHALL BE DOUGLAS FIR NO 2 GRADE, TIMBER 5 INCHES AND GREATER IN THICKNESS SHALL BE DOUGLAS FIR NO 1 GRADE OR OF A BETTER SPECIES AND GRADE, VISUALLY GRADED IN ACCORDANCE WITH THE WESTERN WOODS PRODUCTS ASSOCIATION, LATEST GRADING RULES. ALL SAWN FRAMING SHALL BE STAMPED WITH LUMBER SPECIES AND GRADE.

TIMBER SHALL BE FABRICATED AND JOINED TO CREATE SNUG TIGHT CONNECTIONS UNLESS NOTED OTHERWISE. BOLTS SHALL CONFORM TO ASTM A307 AND BE GALVANIZED. HOLES FOR BOLTS SHALL BE NO GREATER THAN THE BOLT DIAMETER PLUS 1/8 INCH. ALL BOLTS WITH HEAD OR NUT IN CONTACT WITH TIMBER SHALL BE INSTALLED WITH GALVANIZED WASHERS UNDER THE HEAD AND NUTS. ALL NAILED CONNECTIONS SHALL BE CONNECTED USING GALVANIZED BOX NAILS.

PRE-FABRICATED HANGERS AND CONNECTORS NOTED IN THE PLANS ARE THE PRODUCT OF THE SIMPSON STRONG-TIE COMPANY. HANGERS AND CONNECTORS MADE BY OTHER MANUFACTURERS MAY BE CONSIDERED FOR SUBSTITUTION IF THE HANGER OR CONNECTOR HAS EQUAL OR GREATER LOAD CAPACITY, EQUAL OR GREATER CORROSION RESISTANCE AND BE OF AN APPROPRIATE EQUAL CONFIGURATION. SUBMIT ICBO ER FOR REVIEW AND APPROVAL WITH ANY REQUEST FOR SUBSTITUTION.

TIMBER AND LUMBER NOTED AS TREATED SHALL BE PRESSURE PRESERVATIVE TREATED IN ACCORDANCE WITH AWPA UC3B FOR IN GROUND CONTACT USING A PRESERVATIVE APPROVED BY THE ENGINEER. FIELD TREAT ALL DAMAGE TO PRESSURE TREATED ENDS AND SURFACES IN ACCORDANCE WITH AWPA M-4 USING 2 COATS OF COPPER NAPHTHANATE SOLUTION AT DAMAGE, CUTS, HOLES, CHAMFERS, DAPS, COUNTERSINKS, ETC.

TIMBER DECKING

TIMBER DECKING SHALL BE TONGUE AND GROOVE, DOUGLAS FIR SELECT DECKING MATERIAL THAT MEETS AITC 112. PROTECT PRIOR TO INSTALLATION. INSTALL ON SLOPES WITH TONGUES UP. FACE NAIL EACH PIECE AT SUPPORTS WITH 16D GALVANIZED COMMON NAIL AND TOE NAIL THROUGH TONGUE AT SUPPORT.

GLUED LAMINATED TIMBER BEAMS

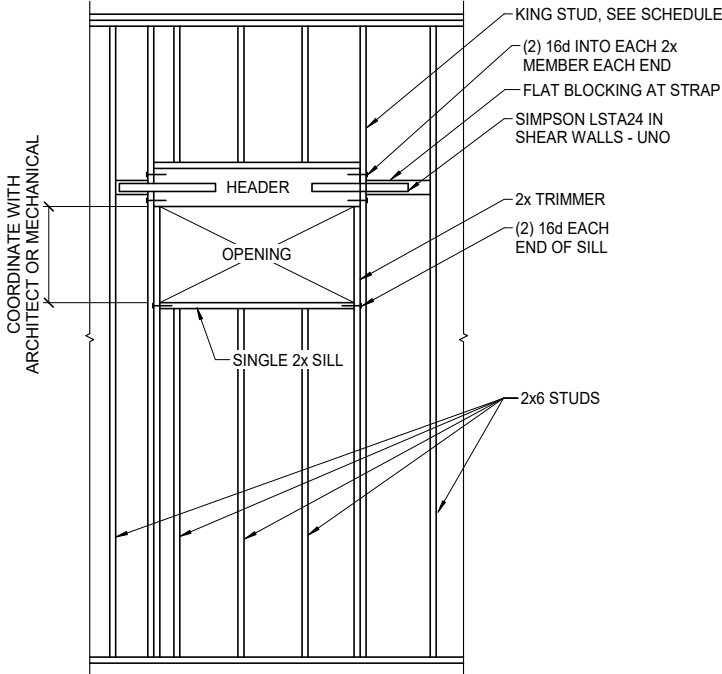
GLUED LAMINATED TIMBER BEAMS SHALL BE MADE OF DOUGLAS FIR AND BE COMBINATION 24F-V4.

HANDLE AND STORE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

- SPECIAL INSPECTIONS**
- REQUIRED SPECIAL INSPECTION FOR THIS PROJECT INCLUDES THE FOLLOWING:
- 1) CONCRETE REINFORCING: VERIFICATION OF BAR SIZE, SPACING, COVER, AND ORIENTATION PRIOR TO PLACING CONCRETE
 - 2) CONCRETE: CONCRETE SHALL BE SAMPLED FOR STRENGTH TESTING, TESTED FOR AIR CONTENT AND BE SUBJECT TO SLUMP TEST, EACH DAY OF PLACEMENT GREATER THAN 5 CUBIC YARDS.
 - 3) CONCRETE CONSOLIDATION AND CONCRETE CURING
 - 4) ANCHOR BOLTS IN CONCRETE: VERIFICATION OF DEPTH OF EMBEDMENT, SPACING AND SIZE. IF POST INSTALLED RODS VERIFICATION OF SIZE, EMBEDMENT, TEMPERATURE, AND HOLE CLEANING.
 - 5) PLYWOOD SHEAR WALL NAILING. VERIFICATION OF NAIL SIZE AND SPACING
 - 6) PLYWOOD DIAPHRAGM NAILING. VERIFICATION OF NAIL SIZE AND SPACING

ABBREVIATIONS

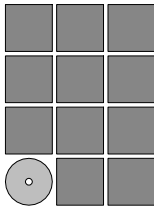
ACI	AMERICAN CONCRETE INSTITUTE
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
APA	AMERICAN PLYWOOD ASSOCIATION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWPA	AMERICAN WOOD PRESERVERS ASSOCIATION
GB	GRADE BREAK
IBC	INTERNATIONAL BUILDING CODE
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
MAX	MAXIMUM
MIN	MINIMUM
NO	NUMBER
OC	ON CENTER
PS	PRODUCT STANDARD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
STD	STANDARD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE



1 TYPICAL HEADER DETAIL
NTS

HEADER SCHEDULE

MARK	HEADER SIZE	KING STUDS
H1	(2) 2x6	(1) KING STUD EACH SIDE
H2	(3) 2x6	(2) KING STUDS EACH SIDE



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C.A.N. # AECC250
PND PROJECT #182069



**CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACTOR No. DH23-010
JUNEAU, ALASKA**

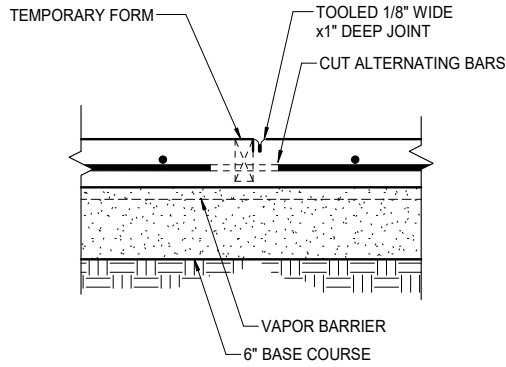
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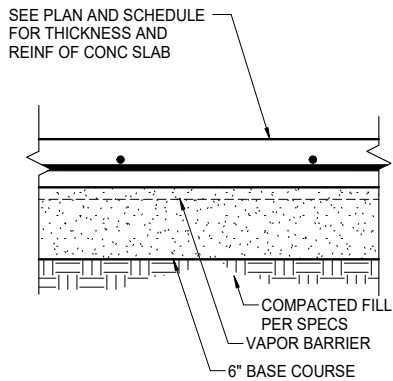
SHEET TITLE
GENERAL NOTES

DATE: SEPTEMBER 29, 2022
FILE:

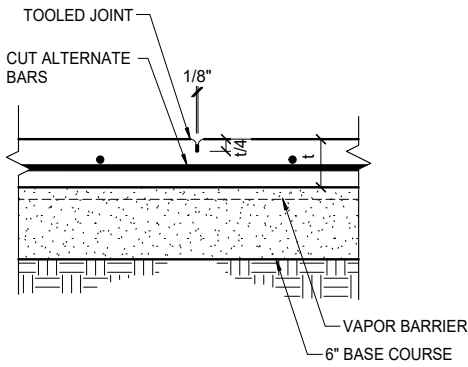
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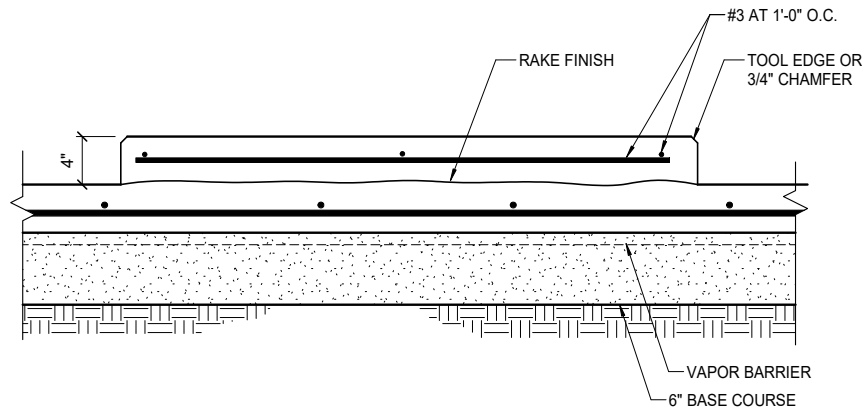
CONSTRUCTION JOINT / CRACK CONTROL



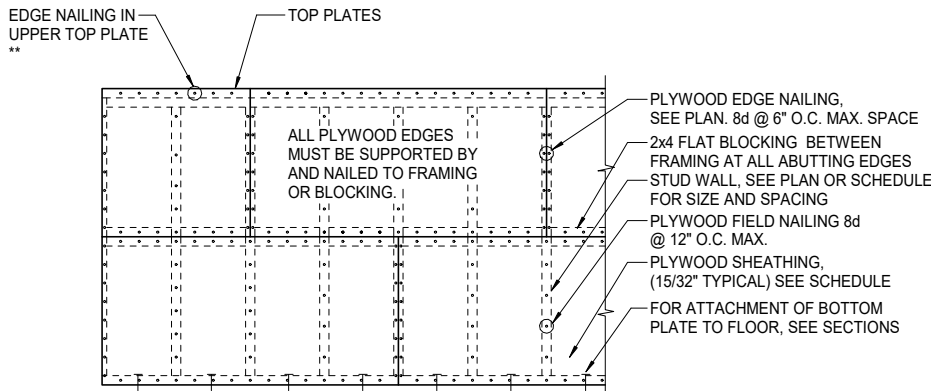
TYPICAL INTERIOR SLAB ON GRADE



TYPICAL SLAB CONTROL JOINT



1 SLAB DETAIL
NTS



** NAILING TO BE 8d @ 6" O.C. MAX. UNLESS OTHERWISE SHOWN ON PLANS, SECTIONS, DETAILS, OR SCHEDULES.

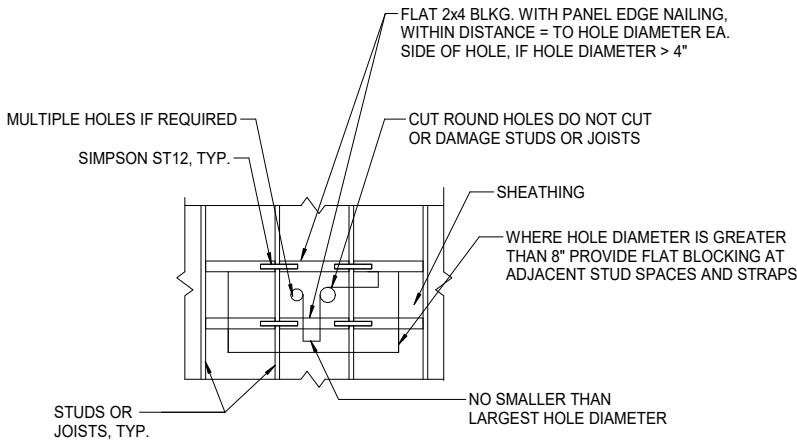
- NOTES:
1. PLYWOOD IS SHOWN HORIZONTAL, IT MAY ALSO BE POSITIONED VERTICAL.
 2. STAGGER PLYWOOD JOINTS A MINIMUM OF TWO STUD SPACES.
 3. NAILS AT ABUTTING PLYWOOD EDGES MUST PENETRATE THE SAME PIECE OF FRAMING OR BLOCKING.
 4. SEE TYPICAL WALL ELEVATIONS AND PLANS FOR HOLD DOWNS, STRAPS AND ADDITIONAL BLOCKING.

3 TYPICAL SHEAR WALL DETAIL
NTS

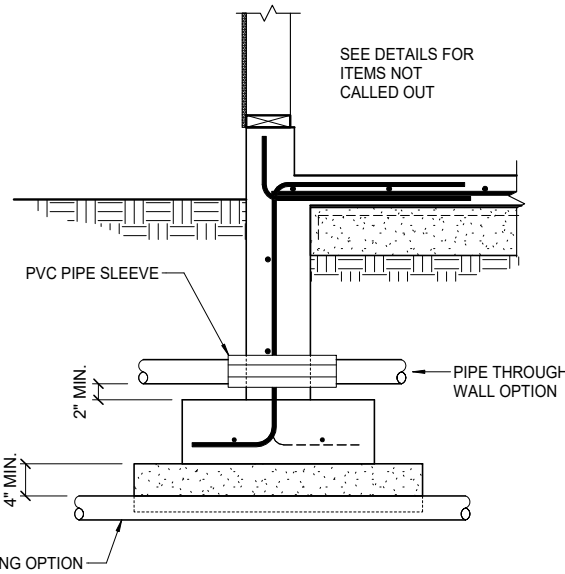
BEARING WALL SCHEDULE	
MARK	STUD & SPACING
1	(2) 2x6 AT 1'-4" O.C.
2	2x6 AT 1'-4" O.C.

SHEAR WALL SCHEDULE			
MARK	SHEATHING	PANEL EDGE NAILING	ANCHOR BOLT SPACING
1	15/32" CDX	8d AT 6	5/8"Ø AT 2'-8"
2	15/32" CDX	8d AT 4	5/8"Ø AT 1'-4"

*10" MINIMUM EMBEDMENT



4 TYPICAL SHEAR WALL AND DIAPHRAGM PENETRATION DETAIL
NTS



5 TYPICAL PIPE PENETRATION AT EXTERIOR FOUNDATION WALL AND FOOTING
NTS



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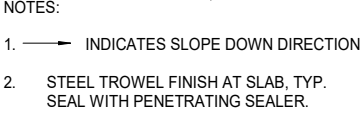
STATE OF ALASKA
49 TH
Christopher Gianotti
SE-14256
REGISTERED PROFESSIONAL ENGINEER

**STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACTOR No. DH23-010
IINEAU ALASKA**

△
△
△
△

DATE: SEPTEMBER 29, 2021

S200

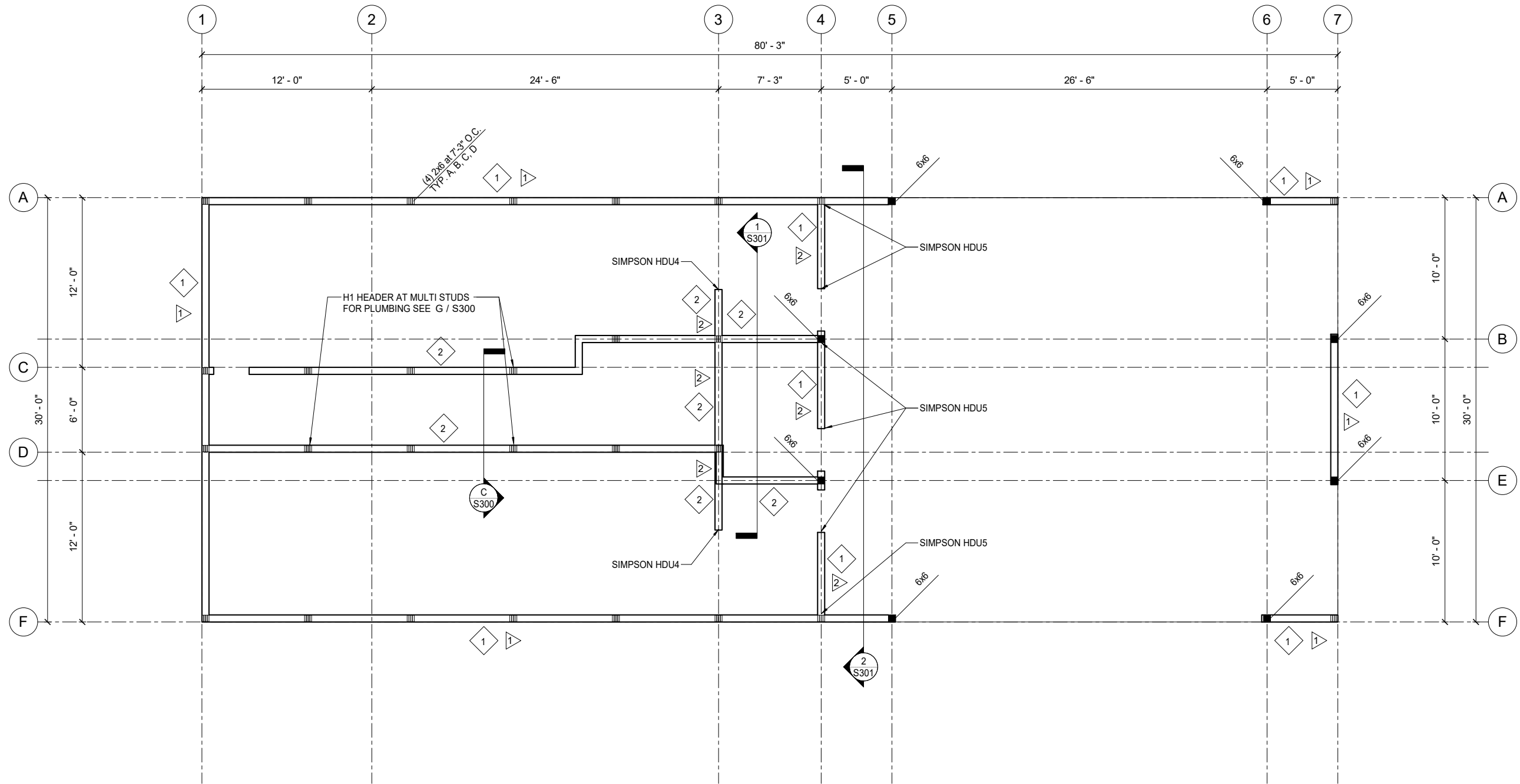


2 0 2 4 6 8 10



1/4" = 1'-0"

SCALE FEET

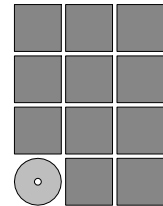
C:\Users\ldunvin\Documents\182069_22_DDunvin\pndengineers.com.rvt 9/30/2022 8:58:11 AM



NOTES:

1.  INDICATES BEARING WALL TYPE. SEE BEARING WALL SCHEDULE
2.  INDICATES SHEAR WALL TYPE. SEE TYPICAL DETAIL AND SHEAR WALL SCHEDULE
3. AT HDU4 USE 5/8"Ø ROD, EMBED 1'-2" IN CONCRETE.
4. AT HDU5 USE 5/8"Ø ROD, EMBED 1'-6" IN CONCRETE.

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



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C.A.N. # AEC2250
PND PROJECT #182069



CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACTOR No. DH23-010
JUNEAU, ALASKA

REVISIONS



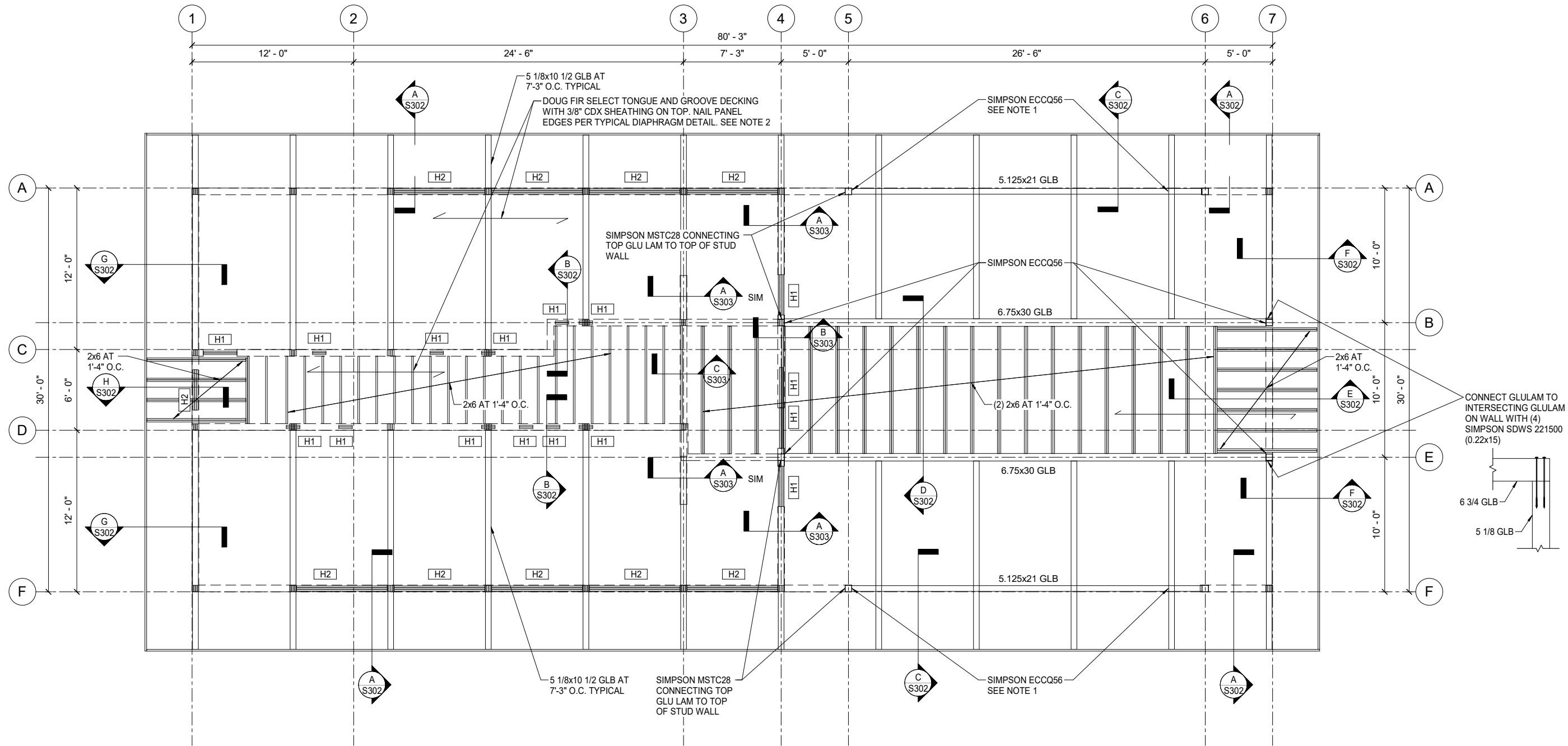
SHEET TITLE
1ST FLOOR
FRAMING PLAN

DATE: SEPTEMBER 29, 2022

FILE:

S201

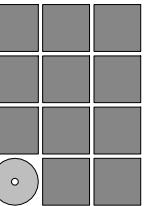
C:\Users\ddunvin\Documents\182069_22_DDunvin\pndengineers.com.rvt 9/30/2022 8:58:12 AM



NOTES:

1. OFFSET POST CAP FROM \bar{C} POST TO ALIGN FACE OF BEAM WITH FACE OF WALL.
2. 8d AT 12" FIELD NAILING OF PLYWOOD. PANELS SHALL BE IN ROWS 16 INCHES ON CENTER PARALLEL WITH SHORT EDGE OF PANEL.
3. **H#** INDICATES HEADER TYPE. SEE SCHEDULE AND TYPICAL DETAILS.

1 ROOF FRAMING PLAN
1/4" = 1'-0"



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STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACTOR No. DH23-010
JUNEAU, ALASKA

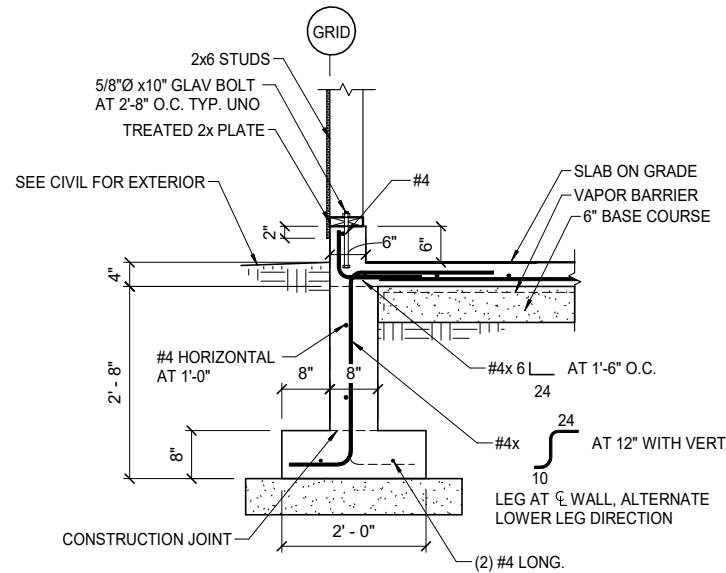
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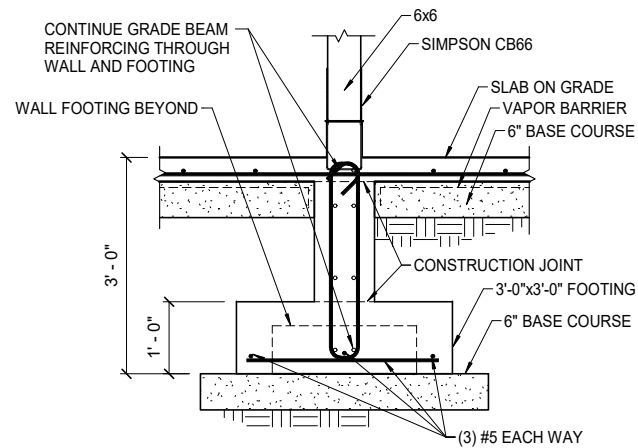
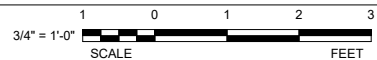
SHEET TITLE
ROOF FRAMING
PLAN

DATE: SEPTEMBER 29, 2022
FILE:

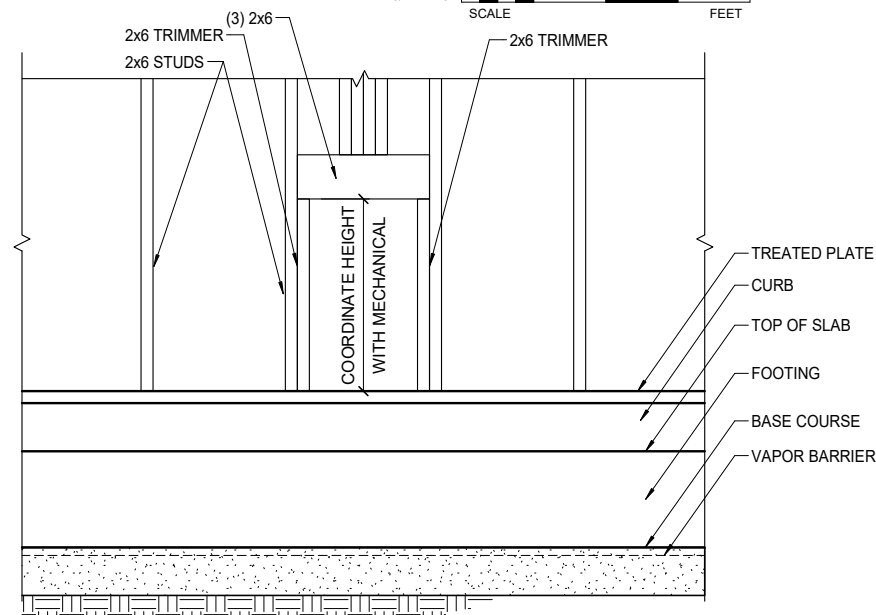
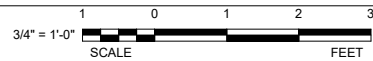
S202



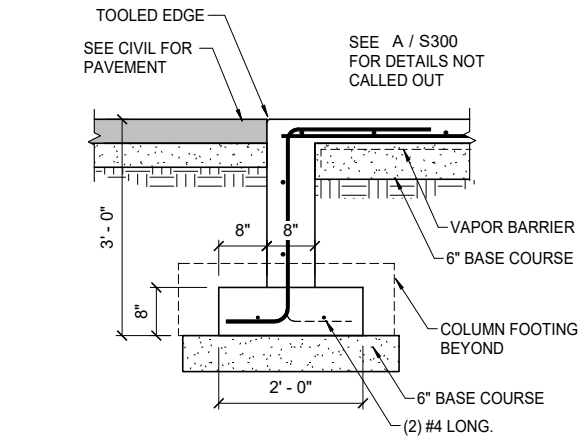
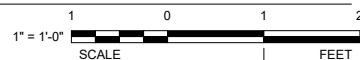
A TYPICAL EXTERIOR FOUNDATION WALL AND FOOTING
3/4" = 1'-0"



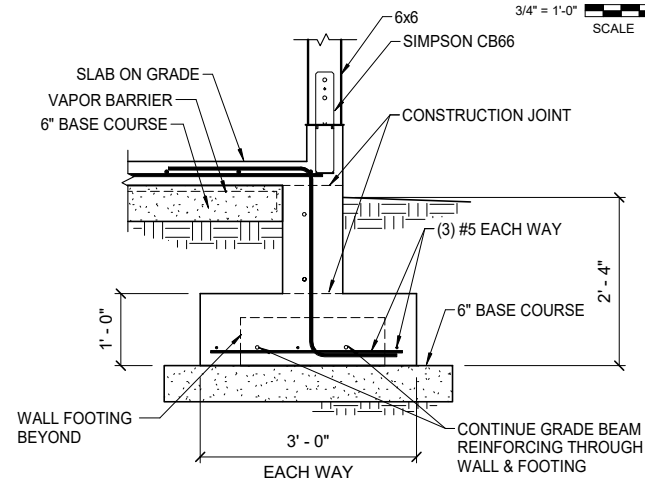
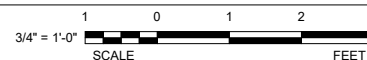
B TYPICAL EXTERIOR FOUNDATION WALL AND FOOTING
3/4" = 1'-0"



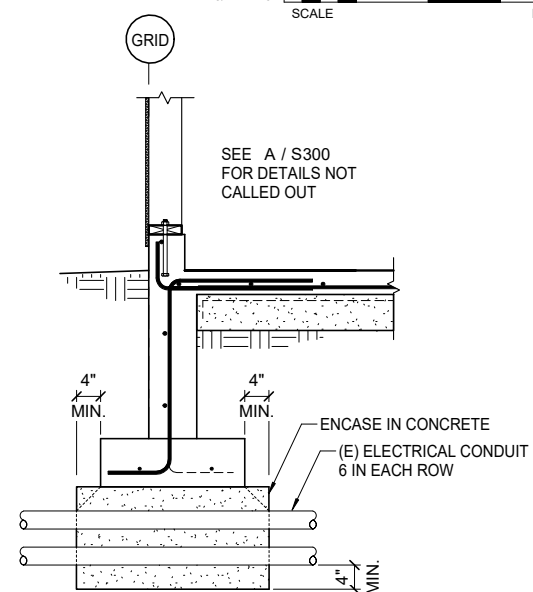
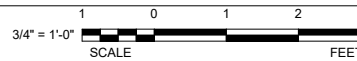
C SECTION AT PLUMBING 102
3/4" = 1'-0"



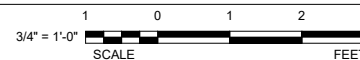
D POST BASE AND FOOTING AT 4B AND 4E
3/4" = 1'-0"



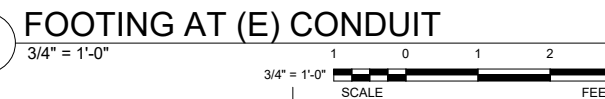
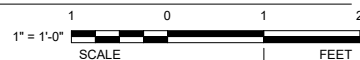
E POST FOOTING AT EXTERIOR WALL
3/4" = 1'-0"



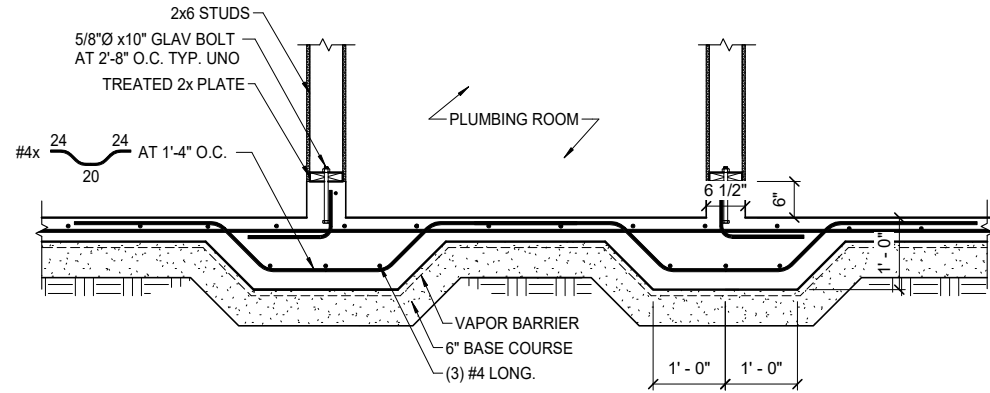
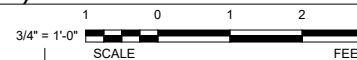
F GRID BEAM GRID 3 AND 4
3/4" = 1'-0"



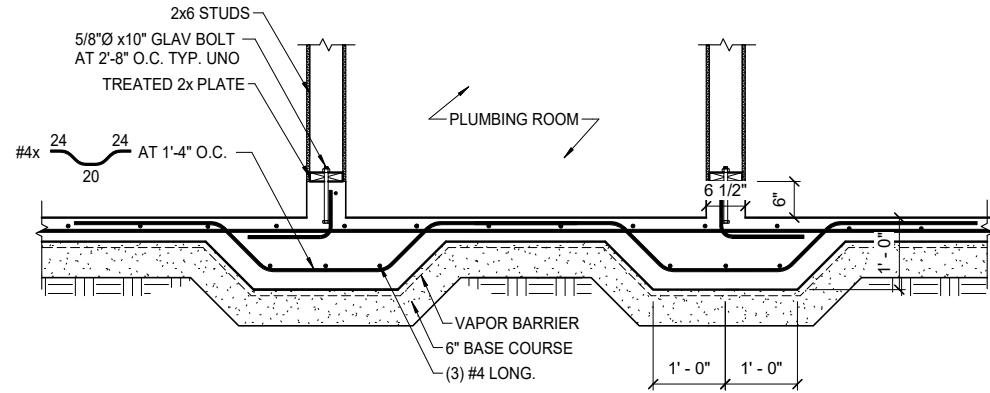
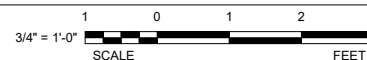
G HEADER FOR PLUMBING
1" = 1'-0"



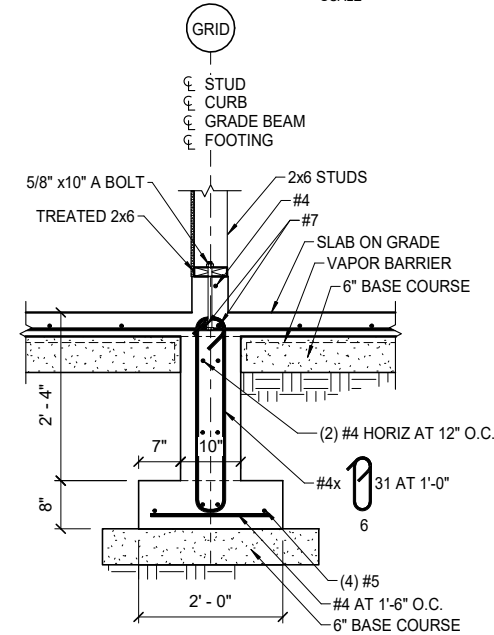
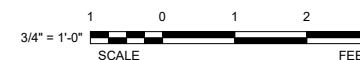
H FOOTING AT (E) CONDUIT
3/4" = 1'-0"



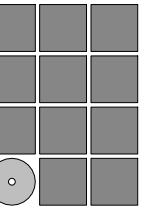
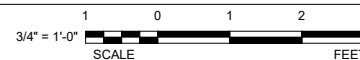
I TYPICAL EXTERIOR FOUNDATION WALL AND FOOTING
3/4" = 1'-0"



J TYPICAL EXTERIOR FOUNDATION WALL AND FOOTING
3/4" = 1'-0"



K TYPICAL EXTERIOR FOUNDATION WALL AND FOOTING
3/4" = 1'-0"



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PND PROJECT #182069



**CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACTOR No. DH23-010
JUNEAU, ALASKA**

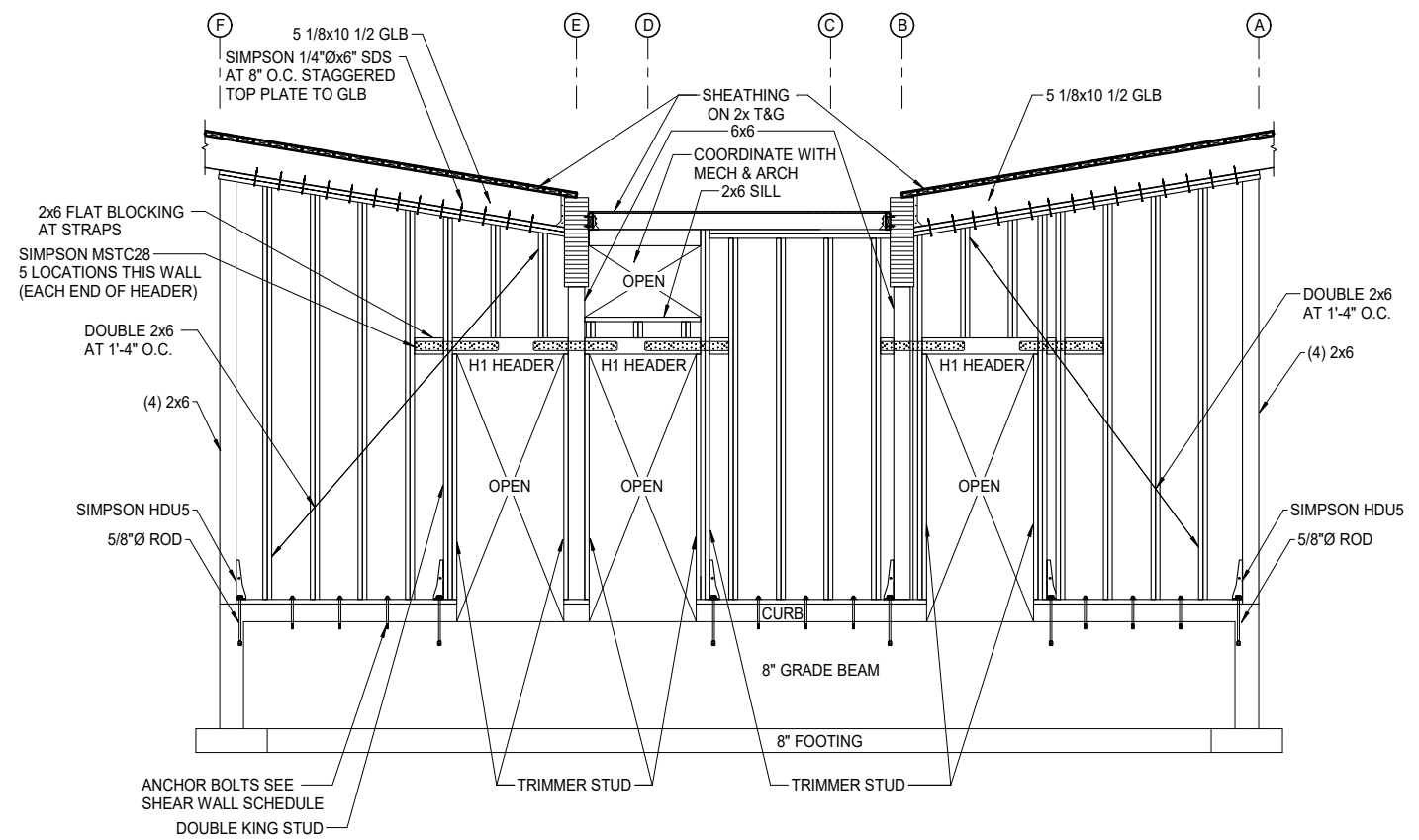
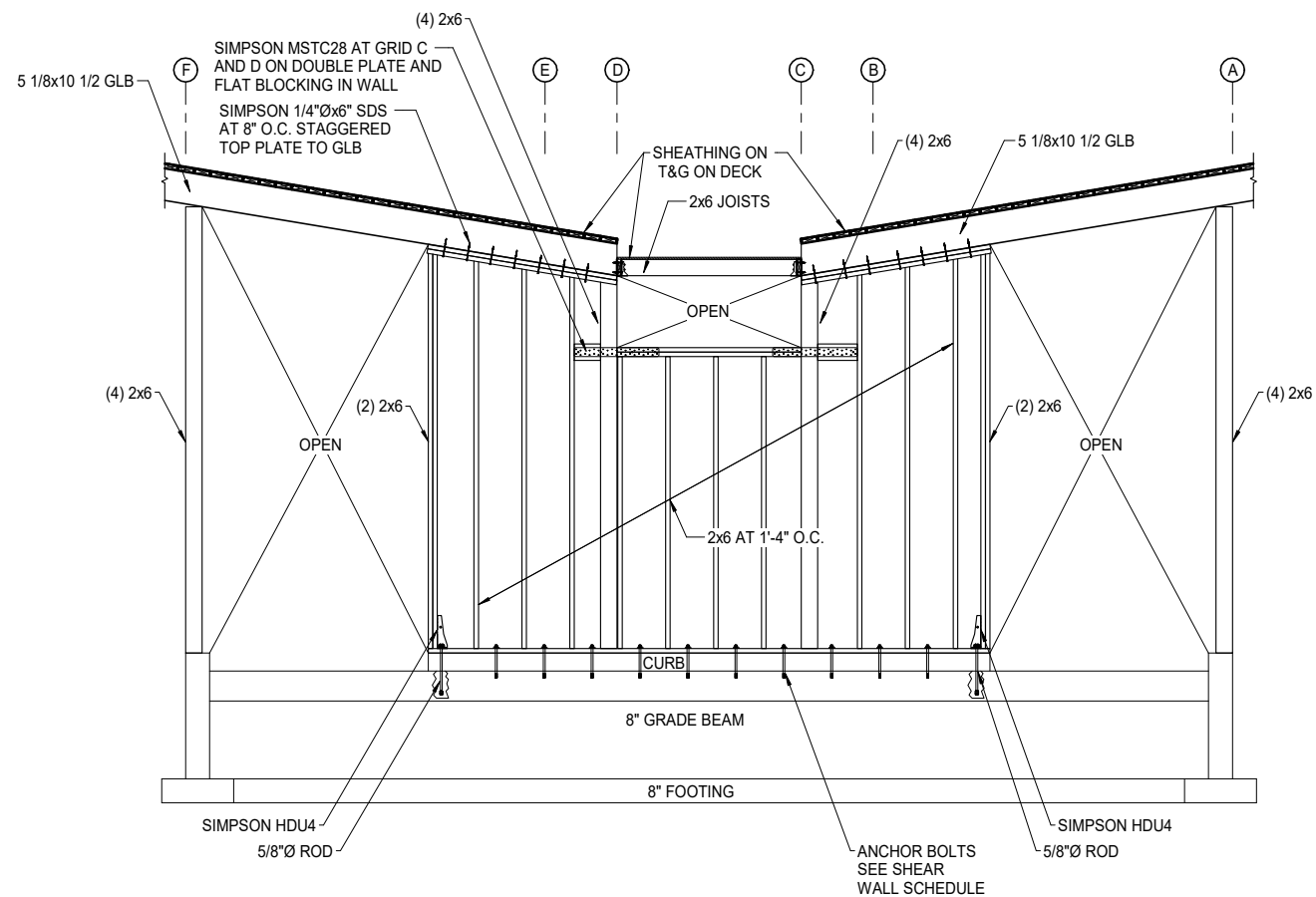
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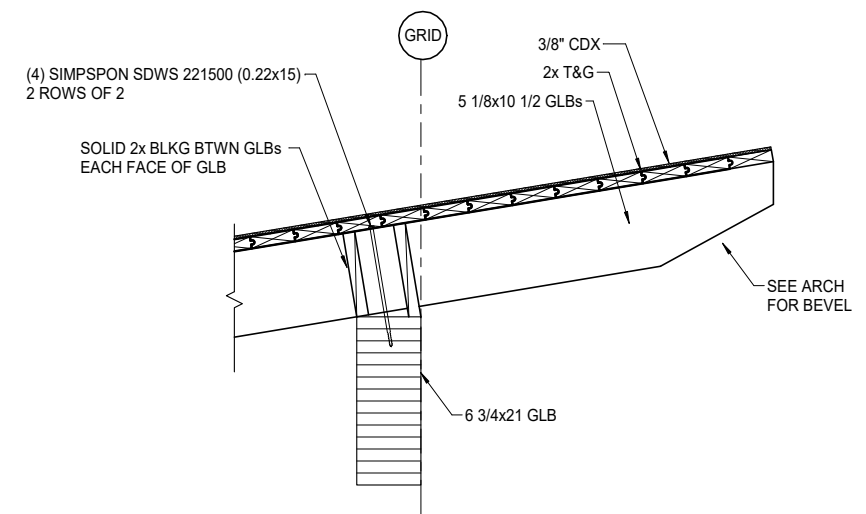
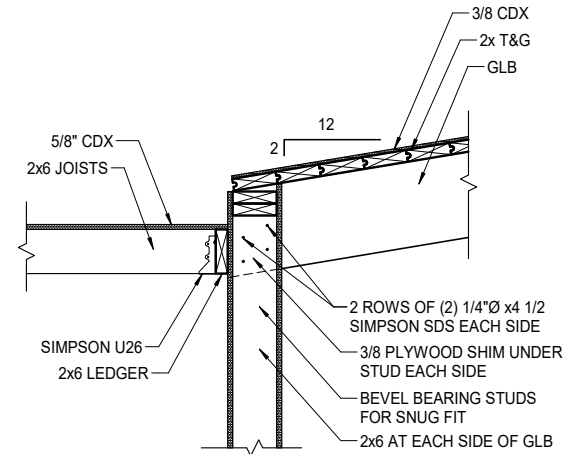
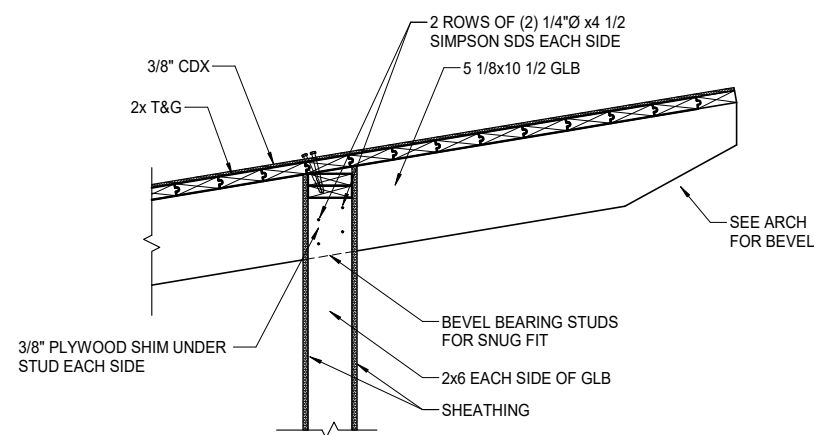


SHEET TITLE
**FOUNDATION
DETAILS**

DATE: SEPTEMBER 29, 2022
FILE:

S300





EXTERIOR WALL AT GLB

1" = 1'-0"

1" = 1'-0"

SCALE FEET

B ROOF AT CENTER TRANSITION

1" = 1'-0"

1 0 1

1" = 1'-0"

SCALE FEET

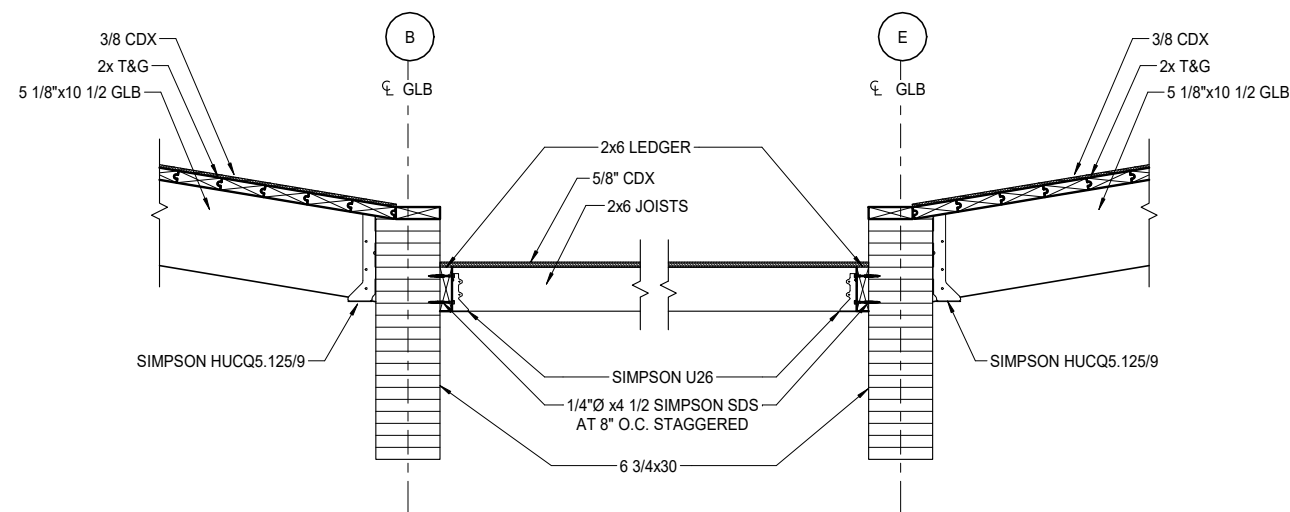
C ROOF AT SIDE BEAM

1" = 1'-0"

1 0 1 2

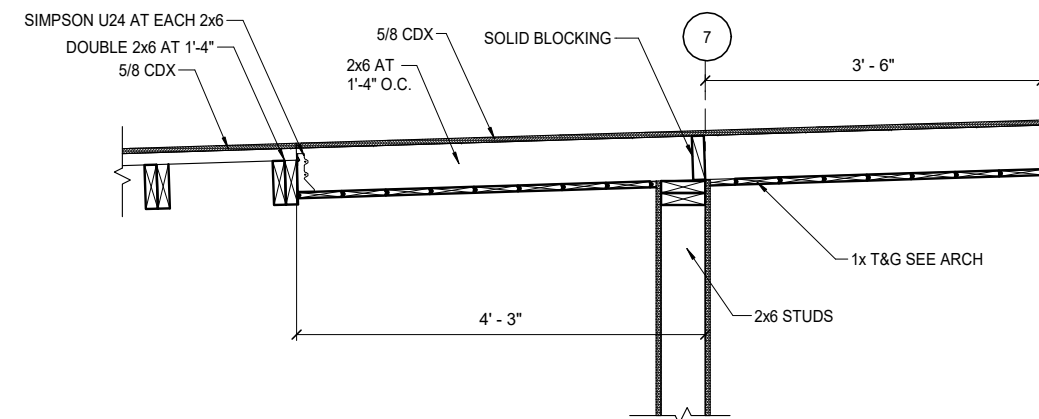
1" = 1'-0"

SCALE FEET



D ROOF FRAMING SECTION AT GRID B TO E
1" = 1'-0"

1" = 1'-0"
SCALE FEET

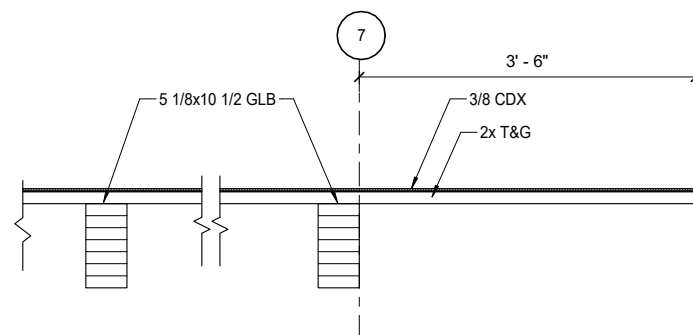


E ROOF SECTION
1" = 1'-0"

1" = 1'-0"

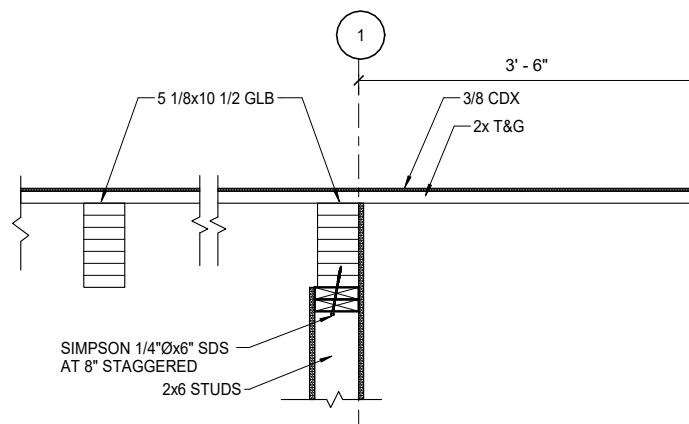
1 0 1 2

SCALE FEET



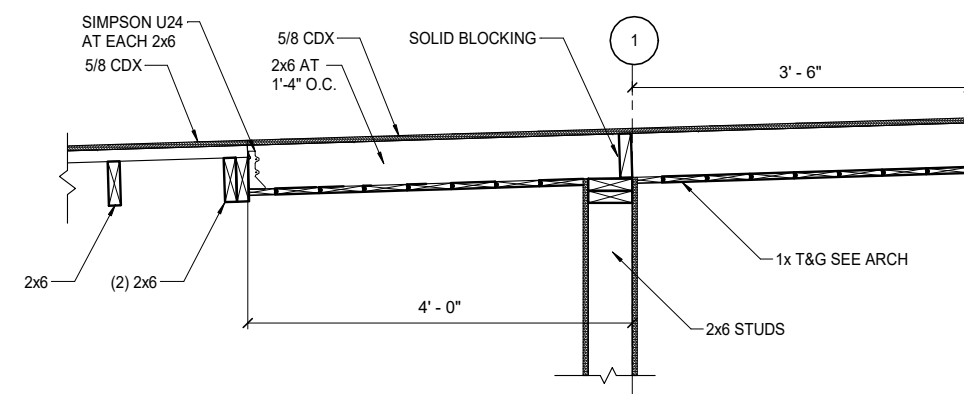
F ROOF RAKE SECTION
1" = 1'-0"

1 0 1
1" = 1'-0"
SCALE FEET



G ROOF FRAMING SECTION
1" = 1'-0"

1 0 1
1" = 1'-0"
SCALE FEET

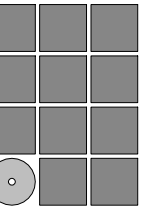


H ROOF SECTION AT GRID C TO D
1" = 1'-0"



1" = 1'-0"

SCALE FEET



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PND PROJECT #182069



**STATER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACTOR No. DH23-010
JUNEAU, ALASKA**

VISIONS

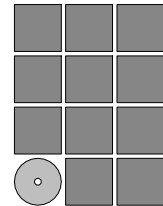
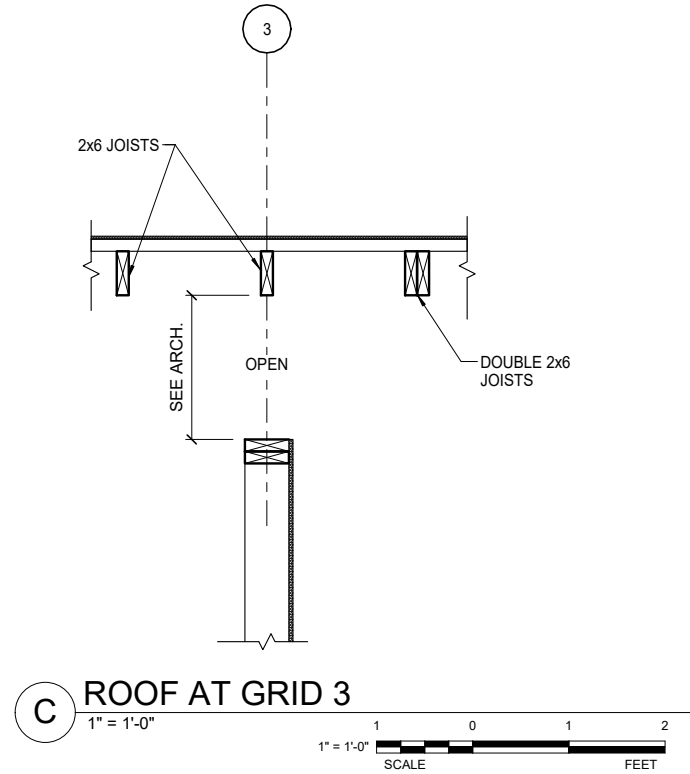
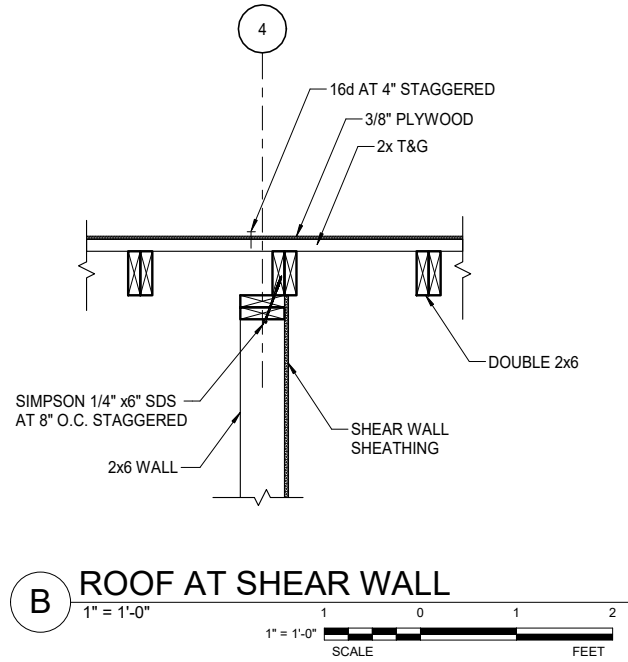
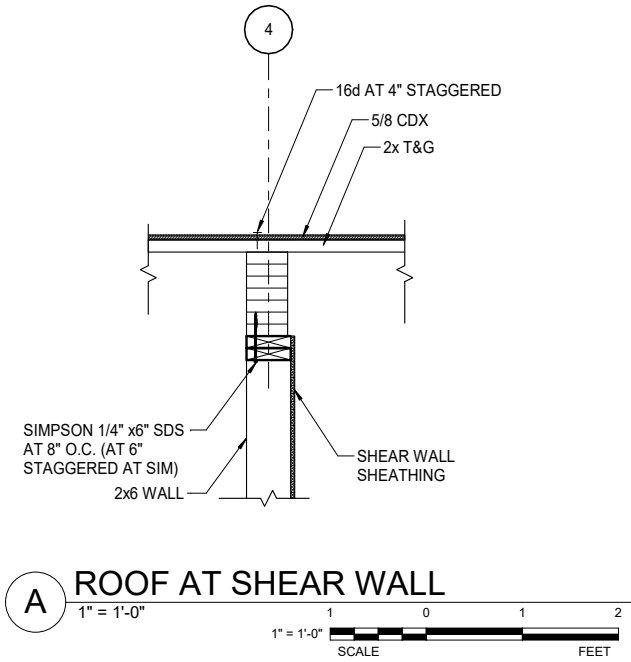


DOOF DETAILS

TE: SEPTEMBER 29, 2022
E:

S302

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C.A.N. # AECC250
PND PROJECT #182069



CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACTOR No. DH23-010
JUNEAU, ALASKA

REVISIONS



SHEET TITLE
ROOF DETAILS

DATE: SEPTEMBER 29, 2022
FILE:

S303

GENERAL

DETAIL SYMBOL		DETAIL IDENTIFICATION DRAWING ON WHICH DETAIL IS SHOWN
SECTION SYMBOL		SECTION IDENTIFICATION DRAWING ON WHICH SECTION IS SHOWN
MATCHLINE VIEW REFERENCE		DETAIL IDENTIFICATION DRAWING ON WHICH CONTINUATION OF VIEW IS SHOWN
ROOM NAME AND NUMBER DESIGNATION		ROOM NAME 101
SHEET KEYNOTE		1
GENERAL SHEET NOTE		3.
POINT OF CONNECTION		
NORTH ARROW		

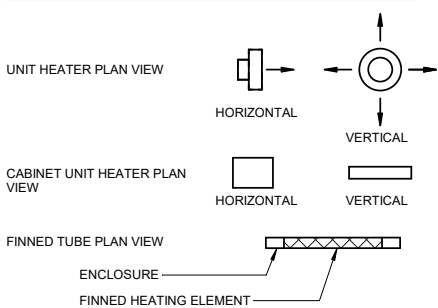
CONSTRUCTION PHASE LINSTYLE

TO BE DEMOLISHED OR RELOCATED	
EXISTING TO REMAIN	
NEW	

MECHANICAL TAGS

EQUIPMENT DESIGNATION, SEE EQUIPMENT SCHEDULE		EQUIPMENT DESIGNATION EF-1
PLUMBING FIXTURE DESIGNATION, SEE FIXTURE CONNECTION SCHEDULE		FIXTURE DESIGNATION P-01
DIFFUSER / REGISTER / GRILLE TAG SEE DIFFUSER, REGISTERS, & GRILLES SCHEDULE		GRD DESIGNATION NECK SIZE 200 CFM FLOW THROUGH GRD

HEATING & COOLING



PIPE FITTINGS & VALVES

ELBOW, TURNED DOWN	
ELBOW, TURNED UP	
TEE, OUTLET DOWN	
TEE, OUTLET UP	
FLOW DIRECTION	
CONCENTRIC REDUCER	
ISOLATION VALVE	
BALL VALVE	
PRESSURE REDUCING VALVE	
CHECK VALVE	
STRAINER	
STRAINER W/ BLOWDOWN	
PRESSURE TEMPERATURE TAP ("PETE'S PLUG")	
RELIEF OR SAFETY VALVE	
DRAIN ISOLATION VALVE AND HOSE ADAPTOR	
DRAIN ISOLATION VALVE AND CAP	
UNION	
FLANGE CONNECTION	
PIPE ANCHOR	
PIPE GUIDE	
METER	
DOUBLE CHECK VALVE BACKFLOW PREVENTER	
REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER	
THERMOMETER	
PRESSURE GAUGE W/ ISOLATION VALVE	
PUMP - CIRC	
PUMP - INLINE	

VENTILATION

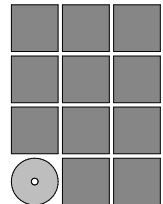
DUCT (1ST FIGURE, SIDE SHOWN 2ND FIGURE, SIDE NOT SHOWN)	
DIRECTION OF FLOW	
DUCT WITH INSULATION	
DUCT WITH SOUND LINING	
SUPPLY DUCT SECTION	(UP) (DN)
RETURN DUCT SECTION	(UP) (DN)
EXHAUST DUCT SECTION	(UP) (DN)
SUPPLY REGISTER, GRILLE, OR DIFFUSER	
RETURN REGISTER, GRILLE, OR DIFFUSER	
EXHAUST REGISTER, GRILLE OR DIFFUSER	
FLEXIBLE CONNECTIONS	
VOLUME DAMPER	
TURNING VANES	

AIR TERMINAL LEGEND

PLAN	ELEVATION /SECTION	DESCRIPTION
		SUPPLY AIR GRILLE
		EXHAUST FAN GRILLE

ABBREVIATIONS

ACFM	ACTUAL CUBIC FEET PER MINUTE	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MBH	THOUSAND BTU's PER HOUR
AHAP	AS HIGH AS POSSIBLE	MIN	MINIMUM
AHU	AIR HANDLING UNIT	MISC	MISCELLANEOUS
APPROX	APPROXIMATE	NC	NORMALLY CLOSED
AS	AIR SEPARATOR	NO	NORMALLY OPEN
BDD	BACK DRAFT DAMPER	NO.	NUMBER
BTU	BRITISH THERMAL UNIT	OA	OUTSIDE AIR
CFM	CUBIC FEET PER MINUTE	OC	ON CENTER
CIRC	CIRCULATION	ORD	OVERFLOW ROOF DRAIN
CLNG	CEILING	ORL	OVERFLOW RAIN LEADER
CONT	CONTINUATION, CONTINUED	OSA	OUTSIDE AIR SUPPLY
CP	CIRCULATING PUMP	P	PUMP
CU	COPPER	PD	PRESSURE DROP
CW	COLD WATER	PDI	PLUMBING & DRAINAGE INSTITUTE
(D)	DEMOLISH	PH	PHASE
DIA	DIAMETER	PSIG	POUNDS PER SQUARE INCH GAUGE
DHWC	DOMESTIC HOT WATER CIRC	PSI	POUNDS PER SQUARE INCH
DN	DOWN	RD	ROOF DRAIN
(E)	EXISTING	RL	RAINLEADER
EA	EXHAUST AIR	RBPB	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
EBB	ELECTRIC BASEBOARD	RWL	RAIN WATER LEADER
EF	EXHAUST FAN	SA	SUPPLY AIR
ENT	ENTERING	SCH	SCHEDULE
ET	EXPANSION TANK	SQFT	SQUARE FEET
ESP	EXTERNAL STATIC PRESSURE	SS	STAINLESS STEEL
EUH	ELECTRIC UNIT HEATER	TA	TRANSFER AIR
EWT	ENTERING WATER TEMPERATURE	TEMP	TEMPERATURE
FCO	FLOOR CLEANOUT	TDH	TOTAL DEVELOPED HEAD
FD	FLOOR DRAIN	TP	TRAP PRIMER
FT	FEET	TYP	TYPICAL
FT	FINNED TUBE	UL	UNDERWRITER'S LABORATORY
GAL	GALLONS	UON	UNLESS OTHERWISE NOTED
GALV	GALVANIZED	UH	UNIT HEATER
GPM	GALLONS PER MINUTE	VTR	VENT THROUGH ROOF
HB	HOSE BIBB	VR	VENT RISER
HP	HORSE POWER	W	WASTE
HW	HOT WATER	W/	WITH
HWC	HOT WATER CIRCULATION	W.C.	WATER COLUMN
HWRP	HOT WATER RECIRCULATION PUMP	WCO	WALL CLEANOUT
HWT	HOT WATER TANK	WH	WATER HEATER
HZ	HERTZ	WHA	WATER HAMMER ARRESTOR
ID	INSIDE DIAMETER	WPD	WATER PRESSURE DROP
IN	INCHES	WRT	WITH RESPECT TO
LAV	LAVATORY		
LF	LINEAL FEET		
LVG	LEAVING		
LWT	LEAVING WATER TEMPERATURE		



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CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACT No. DH23-010
JUNEAU, ALAKSA

REVISIONS



SHEET TITLE

LEGENDS AND
ABBREVIATIONS

DATE: SEPTEMBER 29, 2022
FILE: 10722.22004

M001

PLUMBING FIXTURE SCHEDULE									
MARK	FIXTURE DESCRIPTION	HW/TW	CW	TRAP	WASTE	VENT	BASIS OF DESIGN		COMMENTS
FCO	FLOOR CLEANOUT	-	-	-	4"	-	ZURN Z1400-BZ		304 SS TOP. ANCHOR FLANGE. ACID RESISTANT EPOXY COATED FINISH.
FD-1	INTERIOR FLOOR DRAIN	-	-	2"	2"	1-1/2"	ZURN Z1726-K-Y-VP-P		PROVIDE AUTOMATIC TRAP PRIMER CONNECTION, ANCHOR FLANGE, STAINLESS STEEL SEDIMENT BUCKET, VANDAL-PROOF SECURED TOP
FD-2	EXTERIOR FLOOR DRAIN	-	-	-	3"	-	ZURN Z1726-K-Y-VP-P		ANCHOR FLANGE, STAINLESS STEEL SEDIMENT BUCKET, VANDAL-PROOF SECURED TOP.
HB-1	RECESSED WASHDOWN HOSE BIB	3/4"	3/4"	-	-	-	WOODFORD MB224		MOUNT RECESSED IN WALL, LOCKABLE COVER
L-1	LAVATORY	1/2"	1/2"	1-1/4"	1-1/2"	1-1/2"	BY ARCHITECT		PROVIDE ALL TRIM REQUIRED
L-2	LAVATORY	1/2"	1/2"	1-1/4"	1-1/2"	1-1/2"	BY ARCHITECT		PROVIDE ALL TRIM REQUIRED
L-3	LAVATORY	1/2"	1/2"	1-1/4"	1-1/2"	1-1/2"	MANSFIELD GRAND ISLAE 2018HBNS-4		PROVIDE ASSE-1070 HW TEMPERING VLAVE AND MOEN #CA8301 HARD-WIRED INFRARED ACTUATED FAUCET, INSULATED WATER AND WASTE
ORD-1	OVERFLOW ROOF DRAIN	-	-	3"	3"	-	ZURN Z100		DURA-COATED CAST IRON BODY. POLY DOME STRAINER. 2" OVERFLOW DAM.
RD-1	ROOF DRAIN	-	-	3"	3"	-	ZURN Z100		DURA-COATED CAST IRON BODY. POLY DOME STRAINER.
SS-1	SERVICE SINK	1/2"	1/2"	3"	3"	2"	MUSTEE 63M		FLOOR MOUNTED STRUCTURAL FIBERGLASS BODY.WALL BRACED SERVICE FAUCET WITH EXTENSION AND HOLDER. WALL AND BUMPER GUARDS.
TP-1	TRAP PRIMER	-	1/2"	-	1/2"	-	WATTS LFTP300T		THREADED CONNECTION. 4-PORT DISTRIBUTION UNIT.
UR-1	URINAL	-	3/4"	-	3"	1-1/2"	MANSFIELD 410-HE-RS		PROVIDE WALL CLEANOUT ON VENT PIPE ABOVE URINAL. PROVIDE SLOAN ROYAL #195 ESS-0.5-DFB-2-10-3/4-LDIM-HW CONCEALED FLUSH VALVE
UR-2	ADA URINAL	-	3/4"	-	3"	1-1/2"	MANSFIELD 410-HE-RS		PROVIDE WALL CLEANOUT ON VENT PIPE ABOVE URINAL. MOUNT WITH RIM 17" ABOVE FINISHED FLOOR. PROVIDE SLOAN ROYAL #195 ESS-0.5-DFB-2-10-3/4-LDIM-HW CONCEALED FLUSH VALVE
WC-1	WATER CLOSET	1"	-	-	4"	2"	MANSFIELD #1301		PROVIDE SLOAN ROYAL ESS-1.6-OR-2-10-3/4-LDIM-HW HARD-WIRED SENSOR OPERATED CONCEALED FLUSH VALVE. BEMIS #1955SSCT OPEN FRONT TOILET SEAT.
WC-2	ADA WATER CLOSET	1"	-	-	4"	2"	MANSFIELD #1301		MOUNT AT ADA HEIGHT. PROVIDE SLOAN ROYAL ESS-1.6-OR-2-10-3/4-LDIM-HW HARD-WIRED SENSOR OPERATED CONCEALED FLUSH VALVE. BEMIS #1955SSCT OPEN FRONT TOILET SEAT.
YCO	YARD CLEAN OUT	-	-	-	4"	-	ZURN CO-2510-PO4		COORDINATE WITH CIVIL FOR INSTALLATION REQUIREMENTS

EXPANSION TANK SCHEDULE							
MARK	SYSTEM	VOLUME	ACCEPTANCE VOLUME	PRESSURE (PSIG)	BASIS OF DESIGN		COMMENTS
					MANUFACTURER	MODEL	
ET-1	DOMESTIC HOT WATER	2.1	0.9	55	AMTROL	ST-35CL	ASME DIAPHRAM STORAGE TANK.

WATER HEATER SCHEDULE										
MARK	SERVICE	TYPE	RECOVERY, GPH @ 90F RISE	FUEL TYPE	MBH INPUT	V	PH	BASIS OF DESIGN		COMMENTS
								MANUFACTURER	MODEL	
HWT-1	DOMESTIC HOT WATER	50 GAL	18	ELECT	2 @ 4500 W	208	1	AO SMITH	ENT-50	ANODE ROD. SECURE TO WALL WITH SEISMIC STRAPPING IN TWO LOCATIONS.

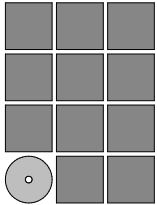
PUMP SCHEDULE											
MARK	LOCATION	SERVICE	FLOW (GPM)	HEAD (FT)	FLUID	ELECTRICAL			BASIS OF DESIGN		COMMENTS
						HP	V	PH	MANUFACTURER	MODEL	
HWRP-1	MAINTENANCE	HOT WATER RECIRCULATION	1	6	WATER	1/8	120	10	TACO	006-IQBC7-1IFC	INTEGRAL FLOW CHECK.BRONZE BODY. REMOTE TEMPERATURE SENSOR.

UNIT HEATER SCHEDULE - ELECTRIC											
MARK	TYPE	CAPACITY	CFM	ELECTRICAL			BASIS OF DESIGN		COMMENTS		
				V	PH	HZ	MANUFACTURER	MODEL			
EUH-1	CABINET, SURFACE MOUNT	5 KW	210	208	3	60	KING	KCF-2450	SURFACE MOUNTED. INTEGRAL LINE VOLTAGE THERMOSTAT		
EUH-2	UNIT	3 KW	380	208	1	60	MODINE	HER30	1/40 HP, UNIT MOUNTED THERMOSTAT. WALL MOUNT BRACKET.		
EUH-3											
EUH-4											

FAN SCHEDULE														
NOTES: ESP VALUE INDICATED IS REQUIRED PRESSURE DOWNSTREAM OF DUCT CONNECTION TO FAN EQUIPMENT (I.E. EXCLUSIVE OF FAN CABINET AND DUCT OUTLET CONNECTION) ON DISCHARGE END.														
MARK	SERVICE	CFM	TSP (IN. WC)	TYPE	DRIVE	RPM	ELECTRICAL				VFD	BASIS OF DESIGN		COMMENTS
							HP	V	HZ	PH		MANUFACTURER	MODEL	
EF-1	RESTROOMS	670	0.625	INLINE	DIRECT	1675	1/4	120	60	1	ECM	GREENHECK	SQ-99-VG	DIRECT DRIVE, FILTER BOX,LINE VOLTAGE AUTOMATIC DAMPERS, TIMER CONTROLLED
EF-2	FAMILY ROOM	60	0.625	CEILING	DIRECT	-	1/8	120	60	1	ECM	GREENHECK	SP-A90	INLET GRILLE, OCCUPANCY SENSOR CONTROLLED.

DIFFUSER, REGISTERS, & GRILLES SCHEDULE							
MARK	TYPE	INLET SIZE	DIMENSIONS	COLOR	BASIS OF DESIGN		COMMENTS
					MANUFACTURER	MODEL	
EG-1	WALL MOUNTED	VARIES	VARIES	WHITE	TITUS	350 RL	35DEG DEFLECTION, 3/4" BLADE SPACING
SG-1	WALL MOUNTED	VARIES	VARIES	WHITE	TITUS	300 FS	DOUBLE DEFLECTION, 3/4" BLADE SPACING, ADJUSTABLE

LOUVER SCHEDULE									
MARK	SYSTEM DESCRIPTION	CFM	HEIGHT	WIDTH	FREE AREA	DELTA P-MAX (IN-WG)	BASIS OF DESIGN		COMMENTS
							MANUFACTURER	MODEL	
LV-1	INTAKE	700	18	30	1.87	0.05"	RUSKIN	ELF6375DXH	6" DEEP SILL. 1/2" PEST SCREEN. COLOR BY ARCHITECT.
LV-2	EXHAUST	700	36	18	2.30	0.05"	RUSKIN	ELF6375DXH	6" DEEP SILL. 1/2" PEST SCREEN. COLOR BY ARCHITECT.



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CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACT No. DH23-010
JUNEAU, ALASKA

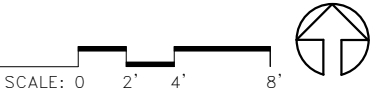
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SCHEDULES

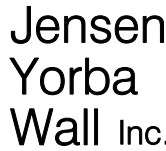
DATE: SEPTEMBER 29, 2022
FILE: 10722.22004

M002



1. ROUTE DRAIN LINES AT MINIMUM 2 PERCENT SLOPE.
2. PROVIDE FLOOR DRAIN TRAP PRIMER LINES TO FLOOR DRAINS.

1. ROUTE 2" COLD WATER UP FROM BELOW GRADE INTO UTILITY SPACE.
2. WASTE UP TO LAVATORIES, URINALS AND WATER CLOSETS ABOVE, TYPICAL.
3. 1/2" TRAP PRIMER LINES FROM TRAP PRIMER VALVE AND DISTRIBUTION UNIT ABOVE.



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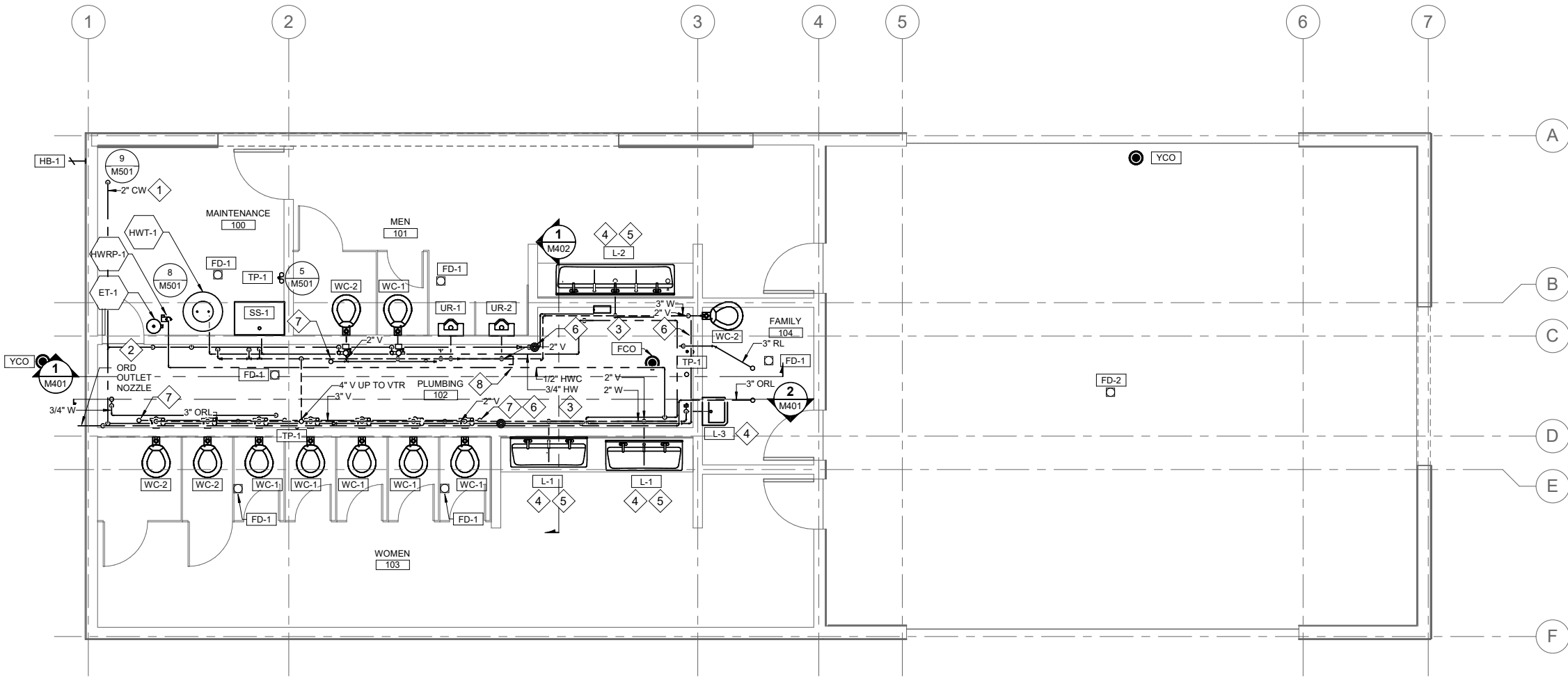
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STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACT No. DH23-010
JUNEAU, ALAKSA**

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SHEET TITLE	
UNDERFLOOR PLUMBING PLAN	

DATE: SEPTEMBER 29, 2022
FILE: I0722.22004

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1 FIRST FLOOR PLUMBING PLAN

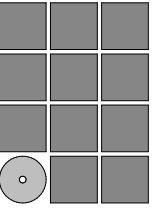


SHEET NOTES

1. PROVIDE LOW POINTS WITH DRAIN VALVES ON WATER PIPING FOR WINTERIZATION.
2. PROVIDE ISOLATION VALVES AT BRANCH PIPING TO PERMIT ISOLATION FOR WINTERIZATION.

SHEET KEYNOTES

1. ROUTE 2" COLD WATER UP FROM BELOW GRADE INTO UTILITY SPACE. PROVIDE DOUBLE-CHECK VALVE AND ISOLATION VALVE.
2. ROUTE 2" COLD WATER TO PLUMBING CHASE. PROVIDE 2" COLD WATER BRANCH TO WATER CLOSET SUPPLY HEADER AND 1" COLD WATER CONNECTION TO EACH WATER CLOSET FLUSH VALVE.
3. PROVIDE 1/2" PEX MANIFOLDS AT EACH GROUP OF LAVATORIES FOR COLD WATER AND 3/4" PEX MANIFOLD FOR HOT WATER PEX DISTRIBUTION TO EACH LAVATORY.
4. PROVIDE ASSE-1070 HOT WATER TEMPERING VALVE AT LAVATORY HOT WATER SUPPLY. GANG LAVATORY WASTES INTO SINGULAR 2" P-TRAP.
5. SINK FIXTURE PROVIDED UNDER ARCHITECTURAL DIVISION. PROVIDE ALL TRIM HEREUNDER.
6. PROVIDE WATER HAMMER ARRESTER, PDI SIZE "C" ON CW SUPPLY AHEAD OF LAST WATER CLOSET OR URINAL.
7. EXTEND 4"W PAST LAST FIXTURE, TURN UP AND EXTEND TO 20" MIN. A.F.F AND PROVIDE A CLEANOUT ON END OF PIPE.
8. EXTEND 3" URINAL WASTE PAST LAST FIXTURE, TURN UP AND EXTEND TO 26" MIN. A.F.F AND PROVIDE CLEANOUT ON END OF PIPE OR WALL CLEANOUT AS INDICATED.



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JUNEAU, ALASKA**

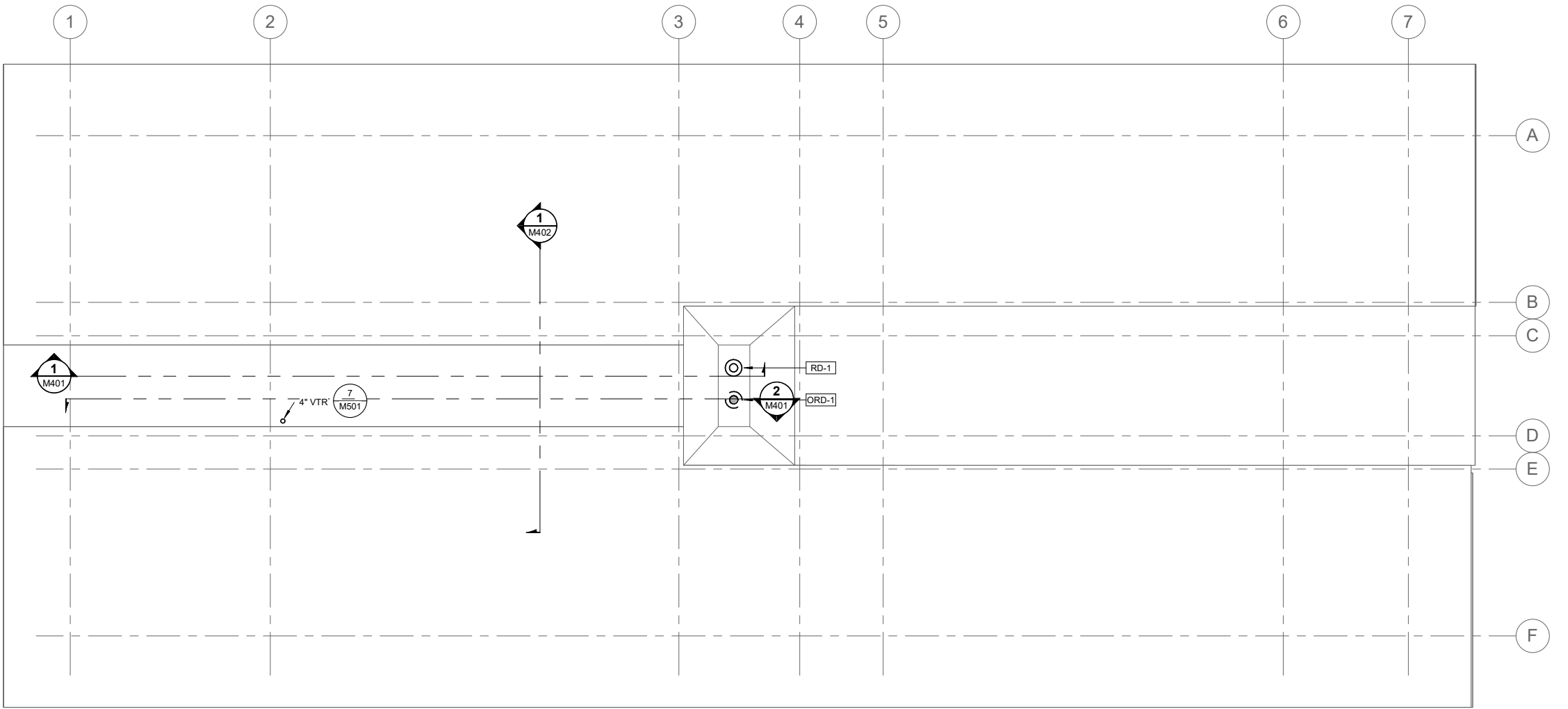
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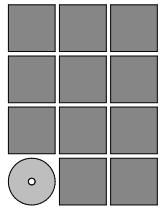
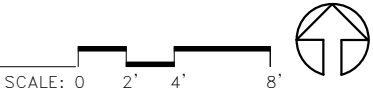
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**FIRST FLOOR
PLUMBING PLAN**

DATE: SEPTEMBER 29, 2022
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M111



1 ROOF PLAN



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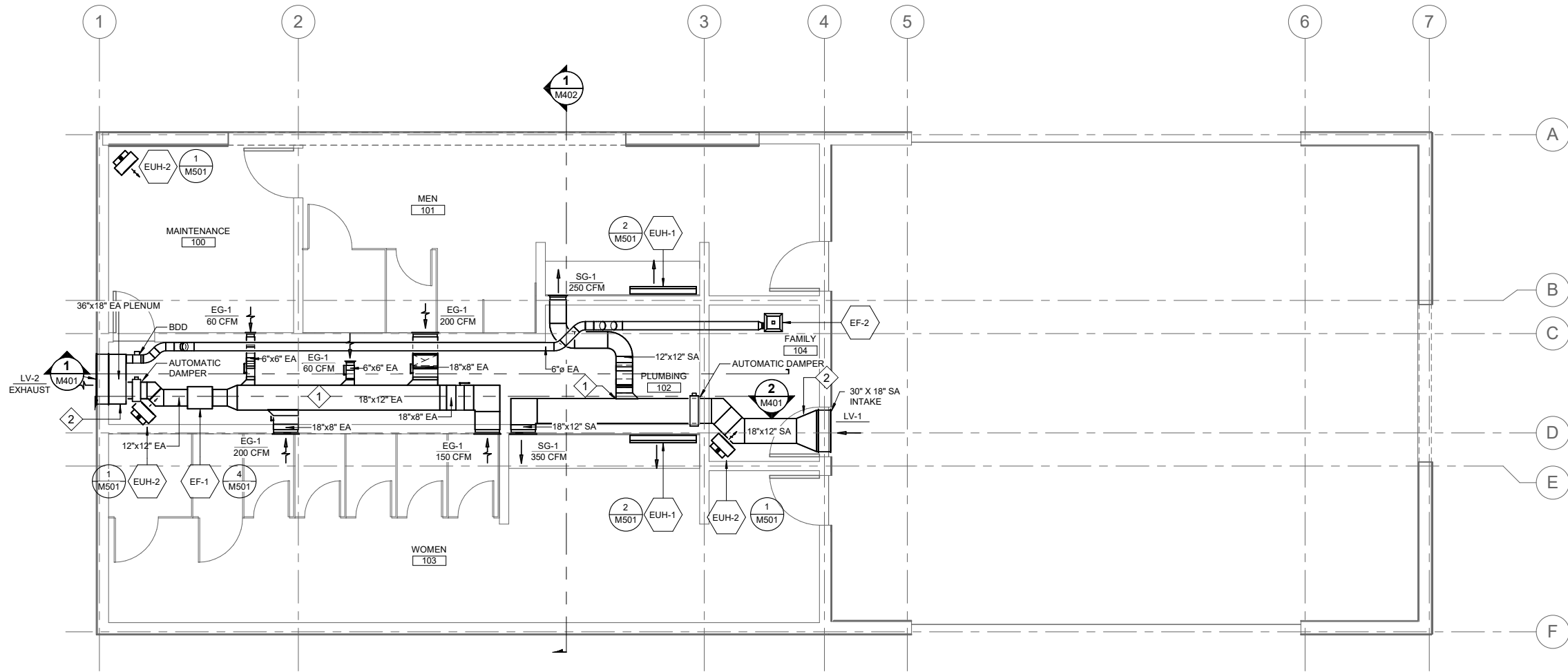
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JUNEAU, ALASKA

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SHEET TITLE	
ROOF PLAN	

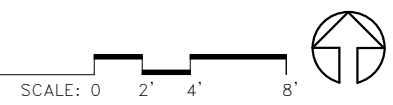
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1 FIRST FLOOR MECHANICAL PLAN

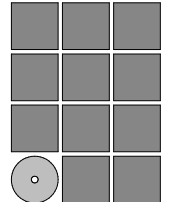


SHEET NOTES

1. SEE 4/M501 FOR EXHAUST FAN DETAIL.
2. SEE 2/M501 FOR RECESSED ELECTRIC CABINET UNIT HEATER DETAIL.
3. SEE 1/M501 FOR ELECTRIC BASEBOARD DETAIL.
4. PROVIDE TURNING VANES IN RECTANGULAR ELBOWS.

SHEET KEYNOTES #

1. STAGGER TAKEOFFS TO AVOID CROSS TALK OF RESTROOM GROUPS.
2. INSTALL 12"x12" DUCT ACCESS DOOR IN PLENUM.



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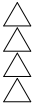
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**CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACT No. DH23-010
JUNEAU, ALASKA**

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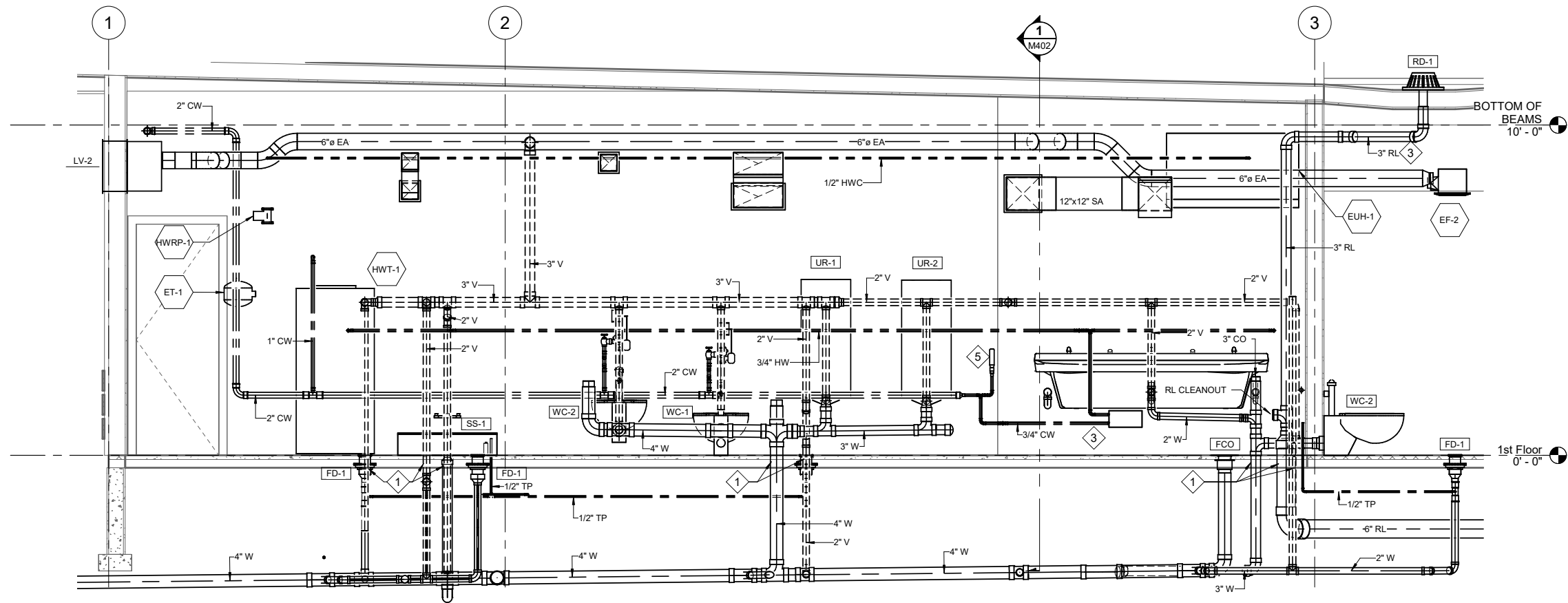


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**FIRST FLOOR
MECHANICAL PLAN**

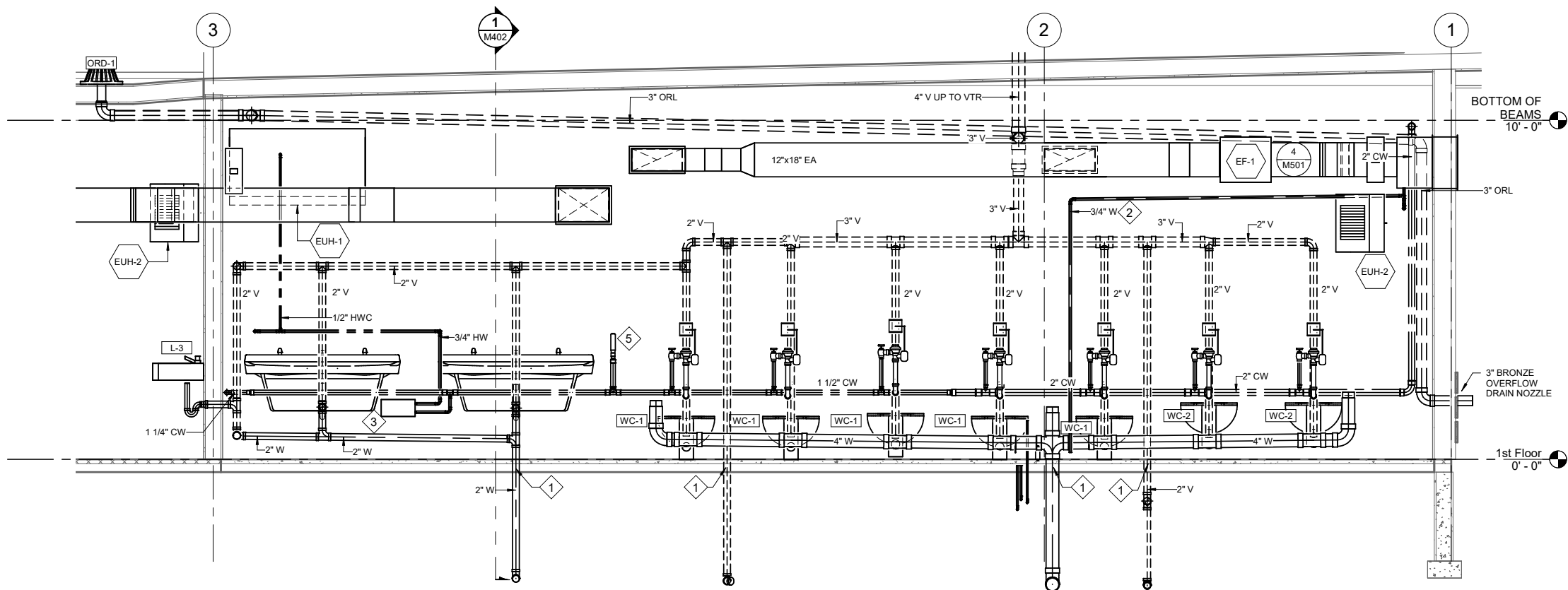
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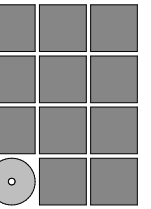
1 101-MEN MECHANICAL SECTION



2 103-WOMEN MECHANICAL SECTION

SHEET KEYNOTES

1. SLEEVE ALL PIPING INSTALLED THROUGH CONCRETE SLAB. SEE STRUCTURAL FOR LOCATIONS OF THICKENED SLABS.
2. INSTALL PLENUM DRAIN TO FLOOR DRAIN.
3. INSTALL DOMESTIC CW/HW MANIFOLD. INSTALL 1/2" PEX PIPING TO EACH LAVATORY.
4. HEAT TRACE FIRST 5 FEET OF RD/RL. HEATTRACE UNDER ELECTRIC.
5. PROVIDE WATER HAMMER ARRESTER, PDI SIZE "C" ON CW SUPPLY AHEAD OF LAST WATER CLOSET OR URINAL.



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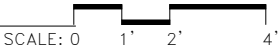
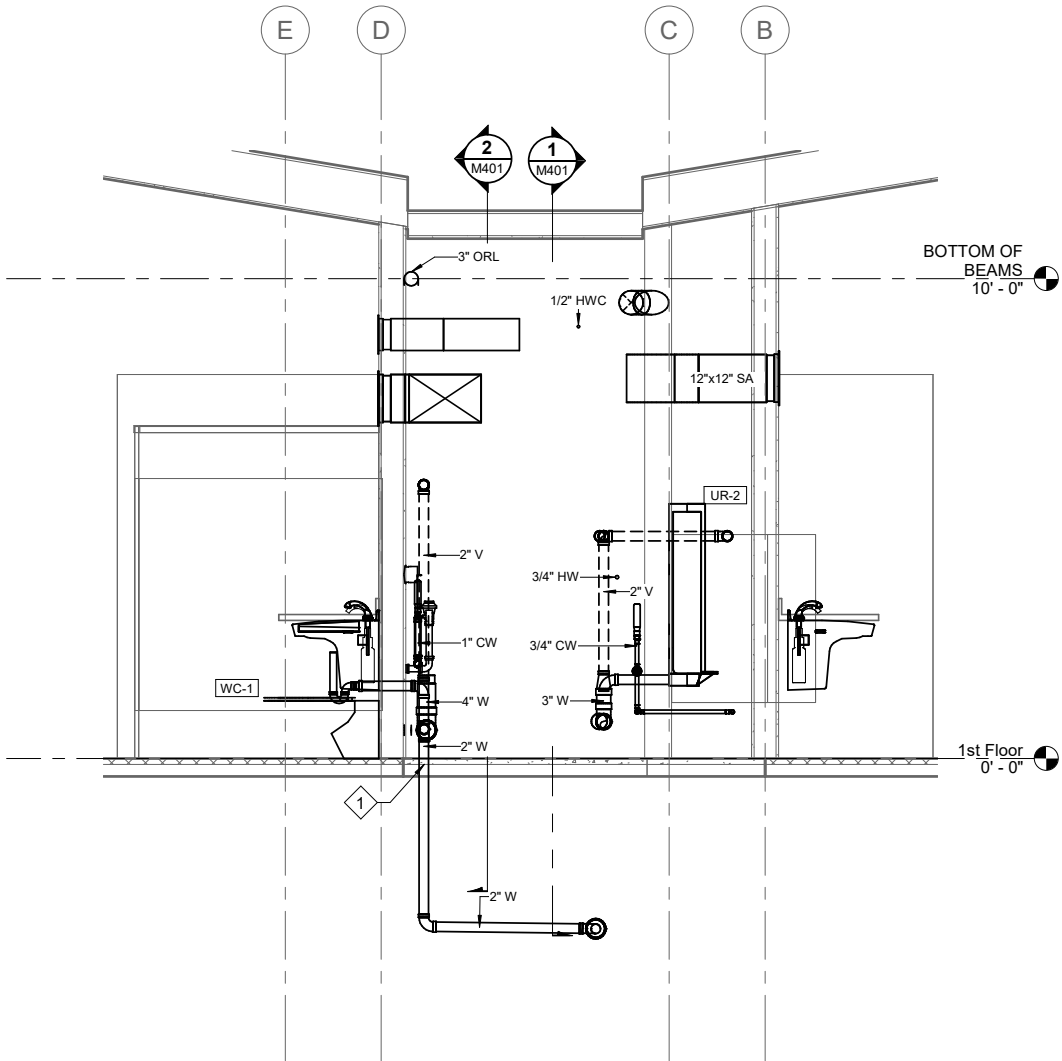
SHEET TITLE
MECHANICAL
SECTIONS

DATE: SEPTEMBER 29, 2022
FILE: 10722.22004

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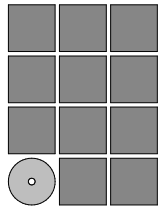
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GRIDLINE 2.5 MECHANICAL SECTION



SHEET KEYNOTES

1. SLEEVE ALL PIPING INSTALLED THROUGH CONCRETE SLAB. SEE STRUCTURAL FOR LOCTIONS OF THICKENED SLABS.



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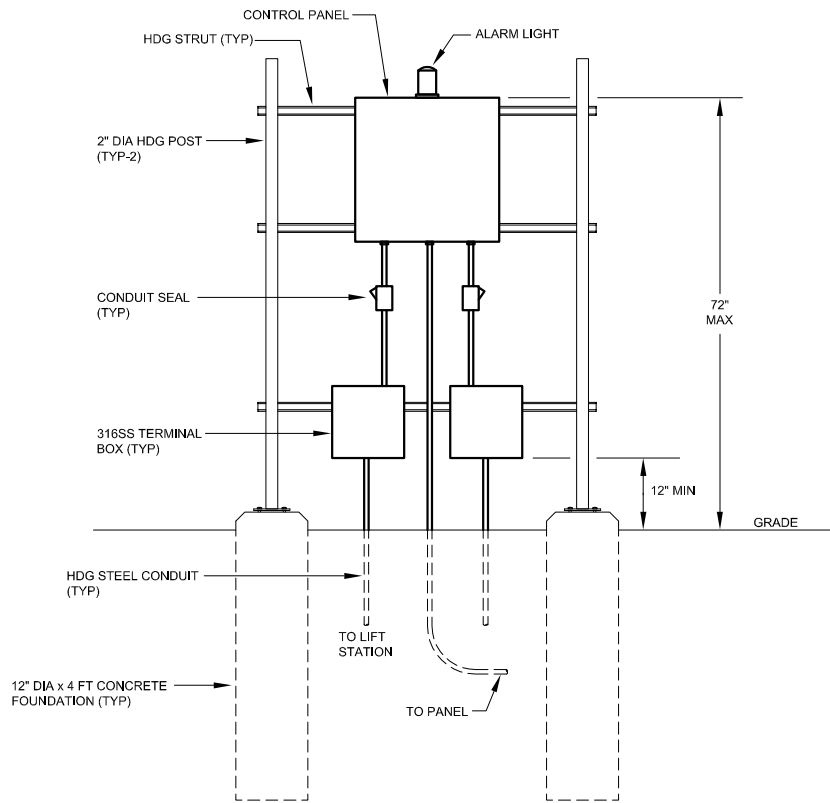


SHEET TITLE
MECHANICAL
SECTIONS

DATE: SEPTEMBER 29, 2022
FILE: 10722.22004

M402





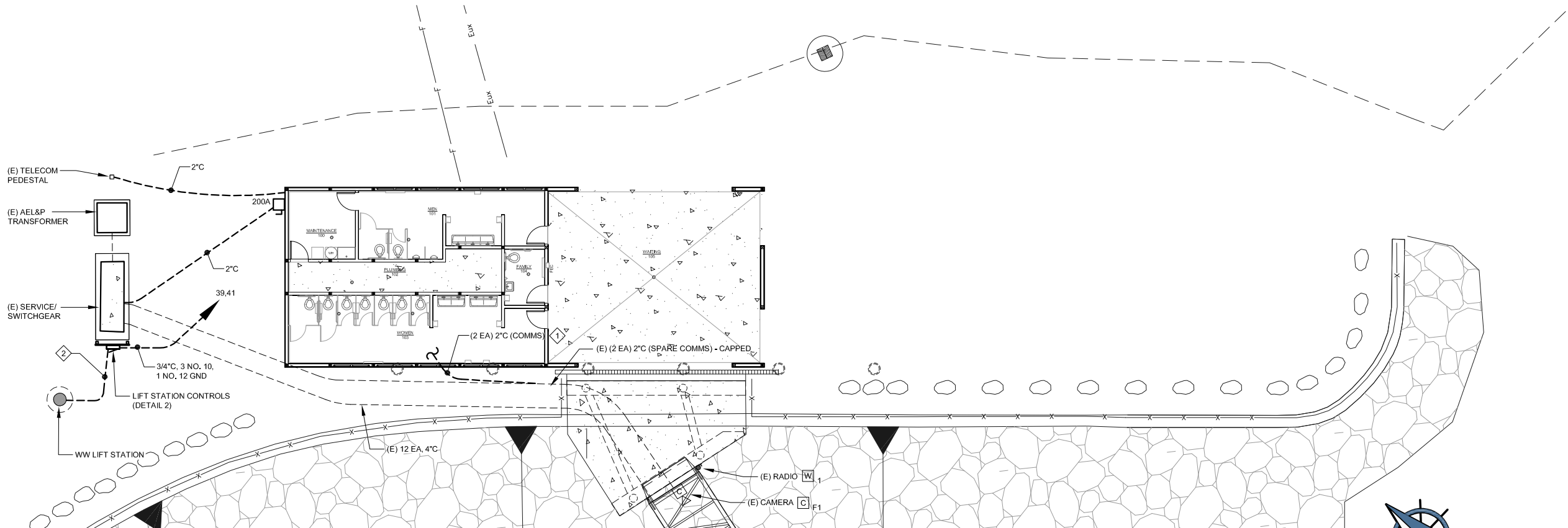
2 DETAIL - LIFT STATION CONTROL PANEL

NOTES:

1. EXTEND EXISTING CONDUITS FROM GANGWAY TO THE COMMS/DATA TERMINAL BOARD.
2. COORDINATE CONDUIT AND CIRCUIT REQUIREMENTS WITH LIFT STATION MANUFACTURER.

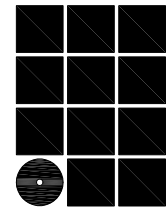
SIGNALING SYMBOLS - SECURITY	
CR	CARD READER
C	CAMERA
W	RADIO
POWER LINE TYPES	
—	ABOVE GRADE CIRCUITS
- - -	UNDERGROUND AND BELOW GRADE CIRCUITS

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
DVR	DRIVER
GFCI	GROUND FAULT INTERRUPTED
PC	PHOTOELECTRIC CELL
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
XFMR	TRANSFORMER
LIGHTING SYMBOLS	
P	PENDANT LUMINAIRE
W	WALL MOUNTED LUMINAIRE
W	WALL MOUNTED LUMINAIRE
WIRING AND LIGHTING CONTROL DEVICE SYMBOLS	
OA	OCCUPANCY SENSOR, WALL MOUNTED
OS	OCCUPANCY SENSOR WALL SWITCH
OP	OCCUPANCY SENSOR POWER PACK
MD	MOTION SENSOR, WALL MOUNTED
PC	PHOTOELECTRIC SWITCH/CONTROL
R	DUPLEX RECEPTACLE
R	DOUBLE DUPLEX RECEPTACLE
G	GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) DUPLEX RECEPTACLE
WP	WET-LOCATION, WEATHERPROOF DUPLEX RECEPTACLE
J	JUNCTION BOX / EQUIPMENT CONNECTION
S	NONFUSIBLE SWITCH
SM	MOTOR-STARTING SWITCH, WITHOUT OVERLOAD PROTECTION
M	MOTOR CONNECTION
MS	METER SOCKET
DP	DISTRIBUTION PANELBOARD
ONE-LINE DIAGRAM SYMBOLS (600V AND BELOW)	
PANELBOARD NLPxx 208Y/120V 3P, 4W 250A ROOM XXX	PANELBOARD
C	CIRCUIT BREAKER
T	TRANSFORMER
CT	CURRENT TRANSFORMER
M	METER
G	GROUND



1 SITE PLAN

SCALE: 0' 5' 10' 20'



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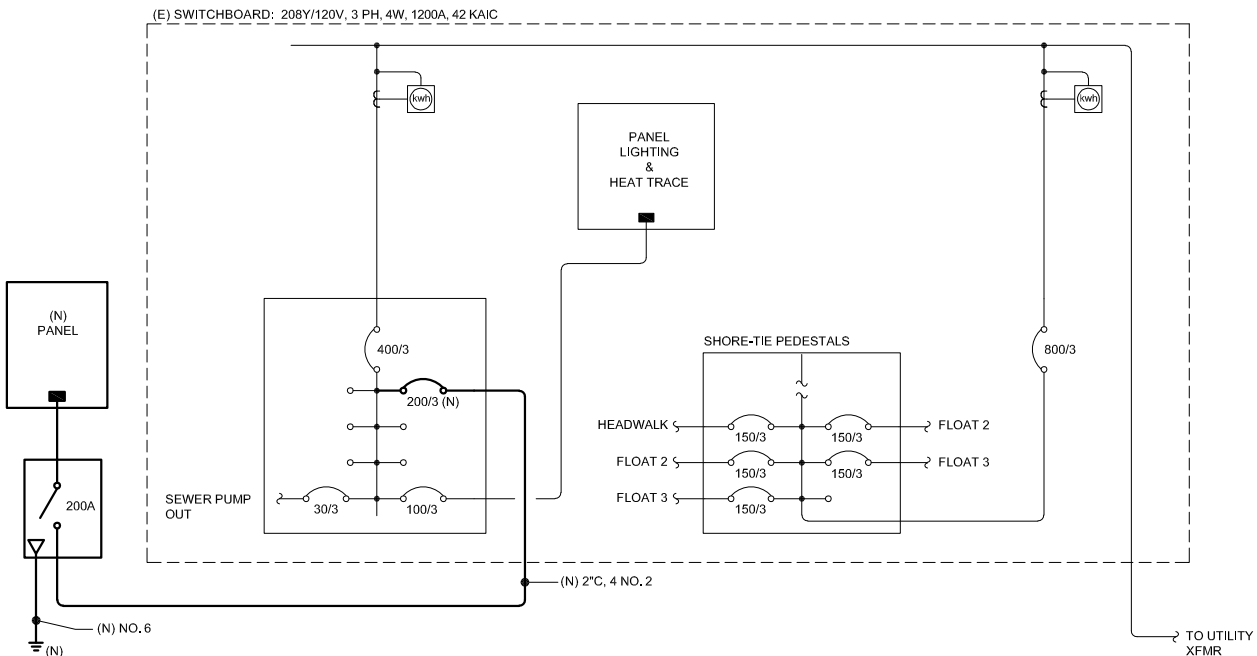
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SHEET TITLE
LEGEND, SITE PLAN

DATE: SEPTEMBER, 2022
FILE: 22017

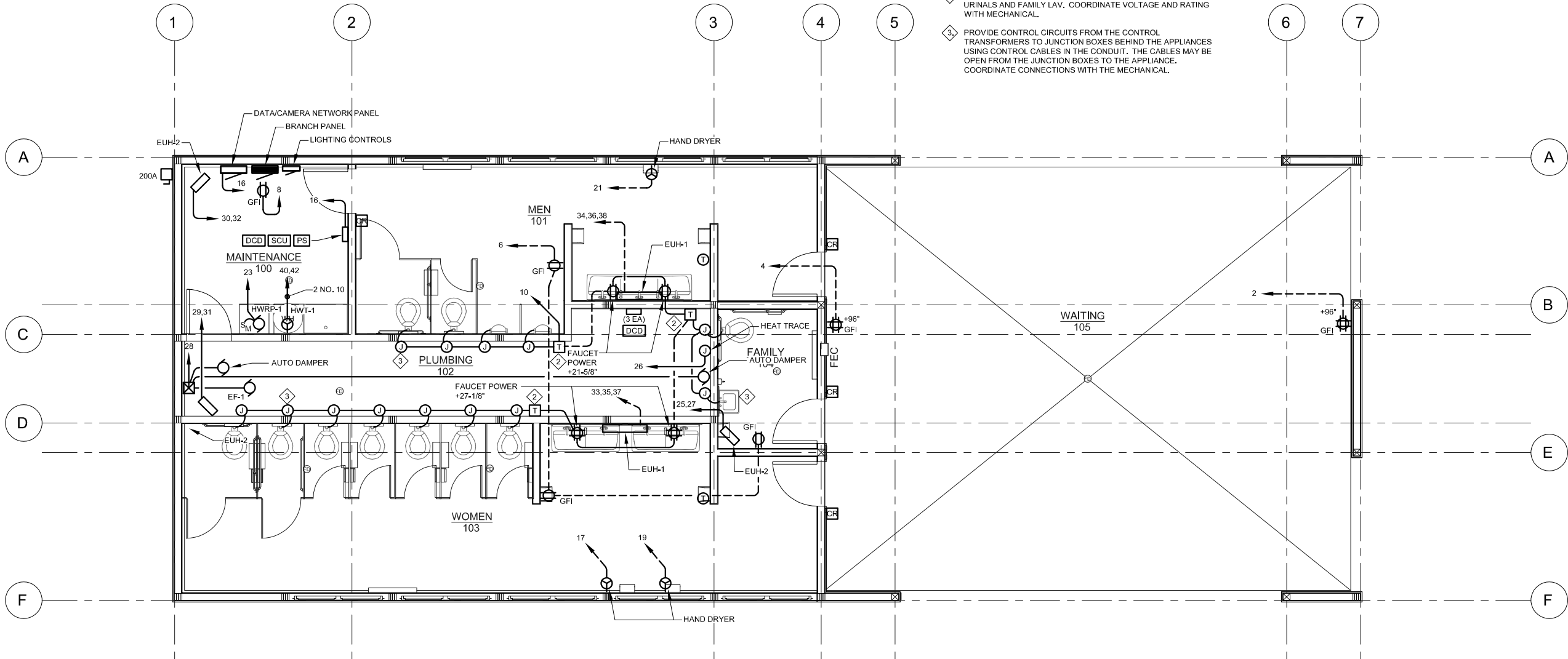
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2 SINGLE LINE DIAGRAM - EXISTING POWER DISTRIBUTION

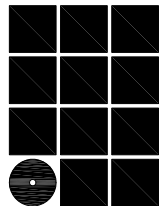
PANEL			SIZE	VOLTS/PHASE			MAIN		LOCATION		MOUNT	
C K T N O	DESCRIPTION	225 AMPS	208Y/120V, 3 PH			MLO		MAINTENANCE 100		SURFACE		
		BREAKER AMP/ POLE	KVA					BREAKER AMP/ POLE	DESCRIPTION			
			CKT	AØ	BØ	CØ	CKT					
1	LTG: EXTERIOR & WAITING	20/1	1.4	1.8			0.4	20/1	WAITING	⊕	GFI	2
3	LTG: FAMILY, PLUMBING & MAINTENANCE	20/1	0.8		1.2		0.4	20/1	WAITING	⊕	GFI	4
5	LTG: WOMEN & MEN	20/1	0.5			1.0	0.5	20/1	RESTROOMS	⊕	GFI	6
7			0.0	0.2			0.2	20/1	MAINTENANCE	⊕		8
9			0.0		1.5		1.5	20/1	LAVS & TOILETS	⊕	T & Ⓢ	10
11			0.0			0.0	0.0	20/1				12
13			0.0	0.0			0.0					14
15			0.0		0.4		0.4	20/1	CAMERAS & ACCESS CONTROL			16
17	HAND DRYER - WOMEN	20/1	1.5			1.5	0.0					18
19	HAND DRYER - WOMEN	20/1	1.5	1.5			0.0					20
21	HAND DRYER - MEN	20/1	1.5		1.5		0.0					22
23	HOT WATER RECIRC HWRP-1	20/1	0.2			0.2	0.0					24
25	FAMILY EUH-2	20/2	1.5	2.0			0.5	20/1 *	HEAT TRACE			26
27	-- 3 KW --	--	1.5		1.7		0.2	20/1	EXHAUST FAN EF-1			28
29	PLUMBING EUH-2	20/2	1.5			3.0	1.5	20/2	MAINTENANCE EUH-2			30
31	-- 3 KW --	--	1.5	3.0			1.5	--	-- 3KW --			32
33	WOMEN EUH-1	20/3	1.7		3.4		1.7	20/3	MEN EUH-1			34
35	-- 5 KW --	--	1.7			3.4	1.7	--	-- 5 KW --			36
37	-----	--	1.7	3.4			1.7	--	-----			38
39	SEWER LIFT STATION	30/2	0.7		3.0		2.3	30/2	WATER HEATER (HWT-1)			40
41	-----	--	0.7			3.0	2.3	--	-- 4.5 --			42
BALANCED CONNECTED LOAD: 36.7 KVA / 101.9 AMPS				11.9	12.7	12.1						
MAXIMUM PHASE LOAD: 12.7 KVA / 106 AMPS												

- NOTES:
- 1. CONCEAL CIRCUITS ROUTED THROUGH PUBLIC AREAS.
 - 2. PROVIDE CONTROL TRANSFORMERS TO POWER TOILETS, URINALS AND FAMILY LAV. COORDINATE VOLTAGE AND RATING WITH MECHANICAL.
 - 3. PROVIDE CONTROL CIRCUITS FROM THE CONTROL TRANSFORMERS TO JUNCTION BOXES BEHIND THE APPLIANCES USING CONTROL CABLES IN THE CONDUIT. THE CABLES MAY BE OPEN FROM THE JUNCTION BOXES TO THE APPLIANCE. COORDINATE CONNECTIONS WITH THE MECHANICAL.



1 FLOOR PLAN - POWER

SCALE: 0 2' 4' 8'



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CITY AND BOROUGH OF JUNEAU
STATTER HARBOR PHASE IIC
RESTROOMS AND COVERED SHELTER
CBJ CONTRACT No. E
JUNEAU, ALASKA

REVISIONS



SHEET TITLE

FLOOR PLAN -
POWER

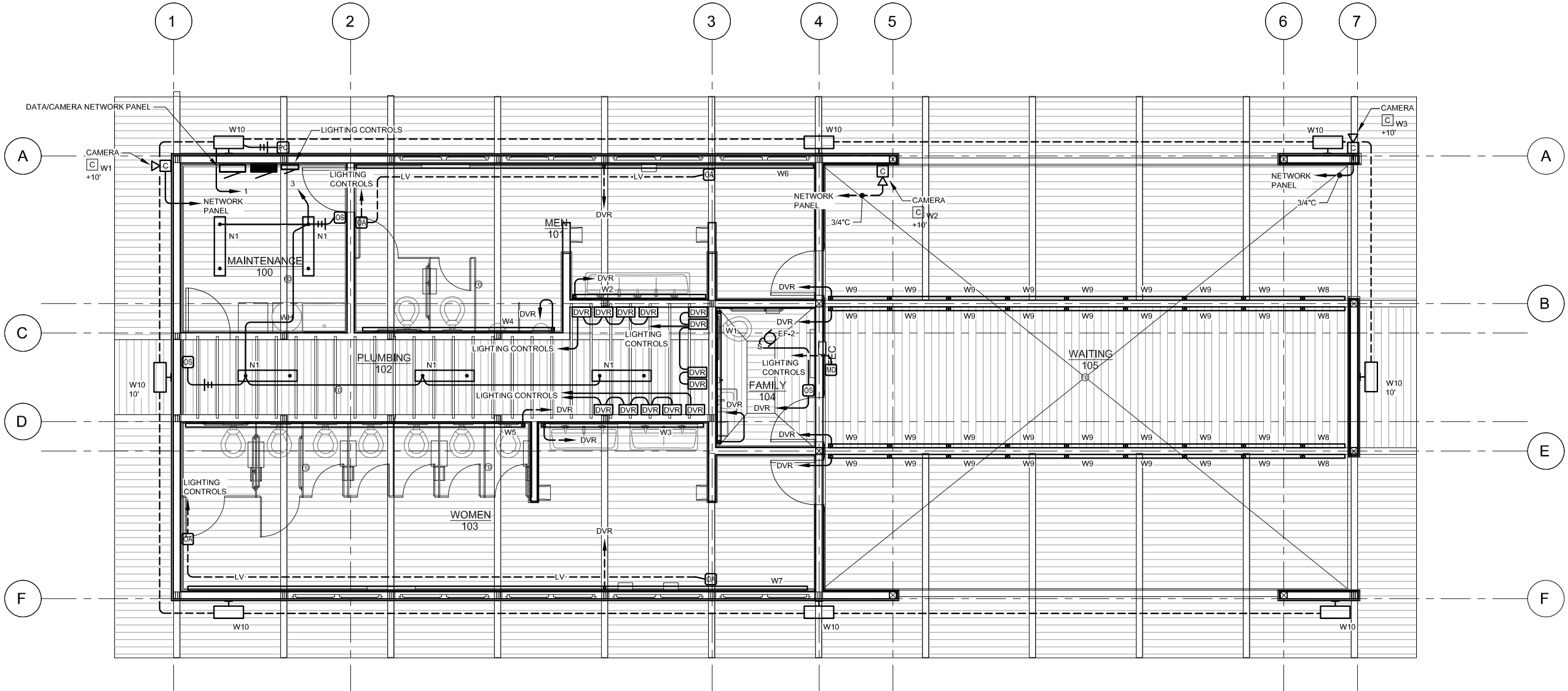
DATE: SEPTEMBER, 2022
FILE: 22017

E201

LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	MANUFACTURER	LAMPS	REMARKS
N1	SUSPENDED LINEAR LENSED STRIP, STEEL HOUSING, SNAP-ON FROSTED ACRYLIC LENS, INTEGRAL ELECTRONIC DRIVER, 120-277V, 3000 LUMENS, WHITE FINISH	LITHONIA LIGHTING ZL1N L48 3000LM FST MVOLT 35K 80CRI WH ZACVHM100	25W WHITE LED 3500K, CRI 85	MOUNT @ 10'-0" AFF TO BOTTOM OF LUMINAIRE, UON, IN PLUMBING 102 MOUNT BELOW MECHANICAL DUCTS.
W1	9' WALL MOUNTED LINEAR LED DIRECT, EXTRUDED ALUMINUM HOUSING, SATINE ACRYLIC LENS, MEDIUM OUTPUT, CONTINUOUS ROW, INTEGRAL OCCUPANCY SENSOR, REMOTE ELECTRONIC DRIVER, 120-277V, 750 LM/FT, WHITE FINISH	PINNACLE V3D-A-835MO-9-WA-U-FSD-1-0-W	5.2W/FT WHITE LED 3500K, CRI 85	MOUNT @ 7'-6" AFF TO BOTTOM OF LUMINAIRE, UON.
W2	9' WALL MOUNTED LINEAR LED DIRECT, EXTRUDED ALUMINUM HOUSING, SATINE ACRYLIC LENS, LOW OUTPUT, CONTINUOUS ROW, INTEGRAL OCCUPANCY SENSOR, REMOTE ELECTRONIC DRIVER, 120-277V, 500 LM/FT, WHITE FINISH	PINNACLE V3D-A-835LO-9-WA-U-FSD-1-0-W	3.4W/FT WHITE LED 3500K, CRI 85	MOUNT @ 7'-0" AFF TO BOTTOM OF LUMINAIRE, UON.
W3	11' WALL MOUNTED, SAME AS TYPE W2	PINNACLE V3D-A-835LO-11-WA-U-FSD-1-0-W	3.4W/FT WHITE LED 3500K, CRI 85	MOUNT @ 7'-0" AFF TO BOTTOM OF LUMINAIRE, UON.
W4	13' WALL MOUNTED, SAME AS TYPE W2	PINNACLE V3D-A-835LO-13-WA-U-FSD-1-0-W	3.4W/FT WHITE LED 3500K, CRI 85	MOUNT @ 8'-0" AFF TO BOTTOM OF LUMINAIRE, UON.
W5	23' WALL MOUNTED, SAME AS TYPE W2	PINNACLE V3D-A-835LO-23-WA-U-FSD-1-0-W	3.4W/FT WHITE LED 3500K, CRI 85	MOUNT @ 8'-0" AFF TO BOTTOM OF LUMINAIRE, UON.
W6	31' WALL MOUNTED, SAME AS TYPE W2	PINNACLE V3D-A-835LO-31-WA-U-FSD-1-0-W	3.4W/FT WHITE LED 3500K, CRI 85	MOUNT @ 9'-0" AFF TO BOTTOM OF LUMINAIRE, UON. REMOTE DRIVER DISTANCE @ 20' MAX.
W7	42' WALL MOUNTED, SAME AS TYPE W2	PINNACLE V3D-A-835LO-42-WA-U-FSD-1-0-W	3.4W/FT WHITE LED 3500K, CRI 85	MOUNT @ 9'-0" AFF TO BOTTOM OF LUMINAIRE, UON. REMOTE DRIVER DISTANCE @ 20' MAX.

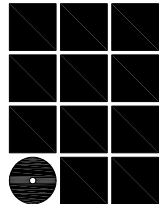
NOTE: ALL LUMINAIRE MOUNTING HEIGHTS ARE TO THE BOTTOM OF THE LUMINAIRE, UNLESS OTHERWISE NOTED AND OR APPLICABLE.

LUMINAIRE SCHEDULE CONT.				
TYPE	DESCRIPTION	MANUFACTURER	LAMPS	REMARKS
W8	3' SURFACE BACK MOUNTED LINEAR LED, EXTRUDED ALUMINUM HOUSING, TEMPERED GLASS LENS, 20"x20" DISTRIBUTION, LOW OUTPUT, REMOTE ELECTRONIC 0-10V DIMMING DRIVER, 120-277V, 1421 LUMENS PER LUMINAIRE, TEXTURED BRONZE FINISH	INSIGHT LIGHTING MER-L-O-30K-2020-SMB-36-NO-TBR-CES	3.5W/FT WHITE LED 3000K, CRI 85	MOUNT @ 10'-3" AFF TO MIDDLE OF LUMINAIRE, UON, AIM TO HIGHLIGHT CEILING. PROVIDE (1 EA) 240W (CES) REMOTE DRIVER PER RUN.
W9	4' SURFACE BACK MOUNTED, 1895 LUMENS, SAME AS TYPE W8	INSIGHT LIGHTING MER-L-O-30K-2020-SMB-48-NO-TBR-CES	3.5W/FT WHITE LED 3000K, CRI 85	MOUNT @ 10'-3" AFF TO MIDDLE OF LUMINAIRE, UON, AIM TO HIGHLIGHT CEILING. PROVIDE (1 EA) 240W (CES) REMOTE DRIVER PER RUN.
W10	EXTERIOR WALL PACK, DIE-CAST HOUSING, TEMPERED GLASS LENS, INTEGRAL ELECTRONIC DRIVER, 120-277V, 1418 LUMENS, BRONZE FINISH	LUMARK XTOR1B-Y-BZ-PC1	12W WHITE LED 3000K, CRI 85	MOUNT @ 12'-0" AFG TO BOTTOM OF LUMINAIRE, UON.
OA	WALL MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE, WHITE FINISH	nLIGHT nWV PDT 16		MOUNT @ 10'-0" AFF TO BOTTOM OF DEVICE, UON.
OS	WALL SWITCH OCCUPANCY SENSOR, LINE VOLTAGE, WHITE FINISH	SENSOR SWITCH WSX PDT WH		MOUNT @ 46" AFF TO CENTER OF DEVICE.
OP	POWER PACK	SENSOR SWITCH nPP16		
MD	WALL MOUNTED MOTION SENSOR, LINE VOLTAGE, LOW MOUNT, OUTDOOR PIR, OCCUPANCY CONTROLLED DIMMING, WHITE FINISH, MIN DIM LEVEL 2V	SENSOR SWITCH SBOR 10 OEX D WH 2V		



1 FLOOR PLAN - LIGHTING

SCALE: 0 2' 4' 8'



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RESTROOMS AND COVERED SHELTER
CBJ CONTRACT No. E
JUNEAU, ALASKA

REVISIONS

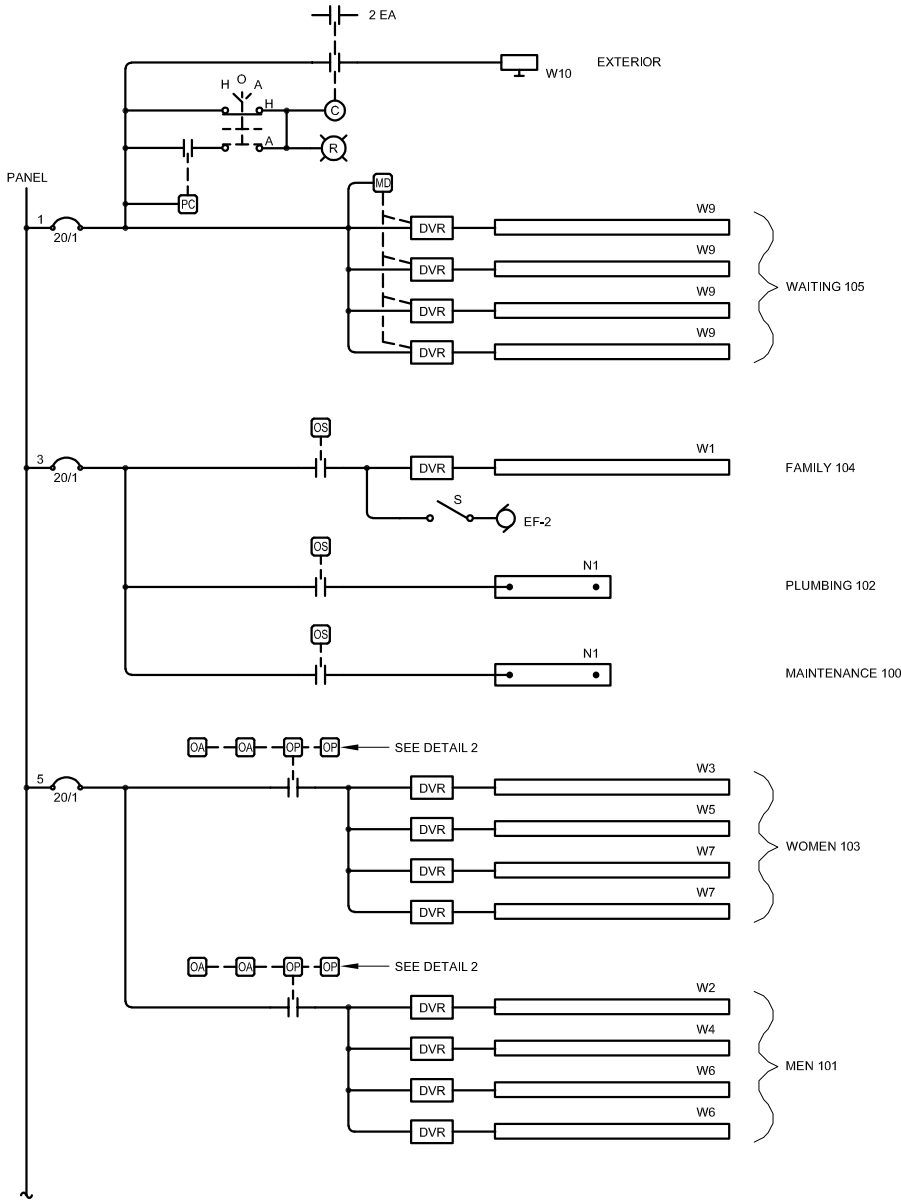


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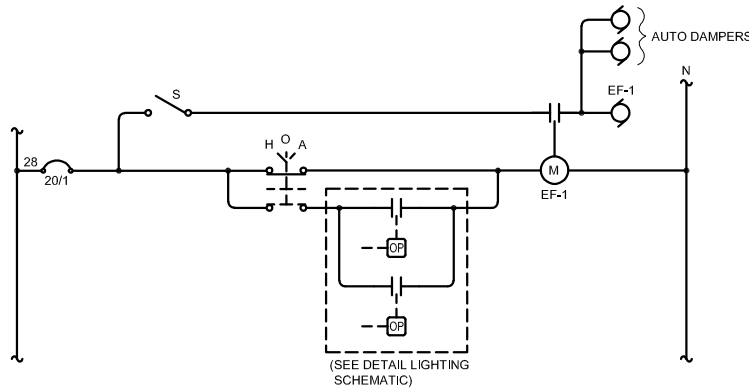
FLOOR PLAN -
LIGHTING,
LUMINAIRE
SCHEDULE

DATE: SEPTEMBER, 2022
FILE: 22017

E301



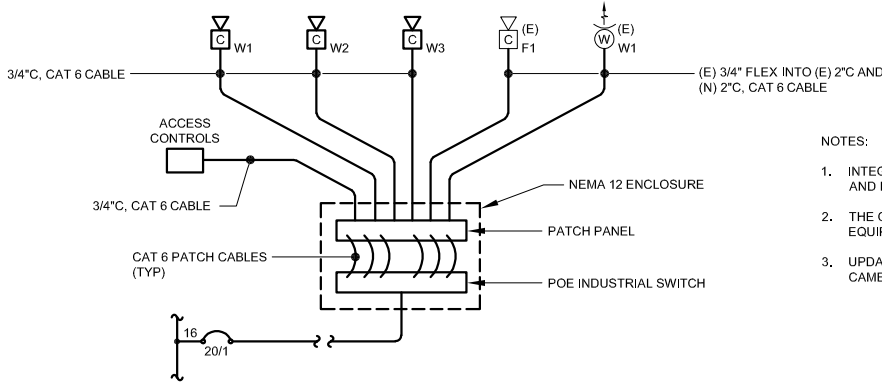
SCHEMATIC DIAGRAM - LIGHTING CONTROLS



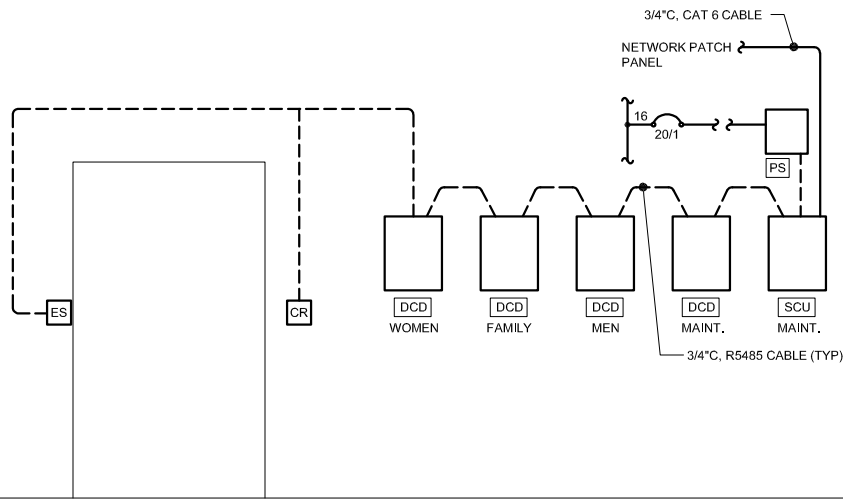
SCHEMATIC DIAGRAM - EF-1 CONTROLS

ACCESS CONTROL SYSTEM		
ITEM	DESCRIPTION	MANUFACTURER
CR	CREDENTIAL CARD READER	HID RP40
DCD	DOOR CONTROL DEVICE	MILLENIUM EDCD
SCU	SITE CONTROL UNIT	MILLENIUM ESCU
ES	ELECTRIC DOOR STRIKE	HES 1006
PS	POWER SUPPLY	MILLENIUM PS1 12V

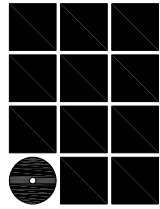
SURVEILLANCE CAMERA SYSTEM		
ITEM	DESCRIPTION	MANUFACTURER
C _{F1}	EXISTING FISHEYE CAMERA WITH BUILT-IN STORAGE POE ELECTRICAL	DIGITAL WATCH DOG DWC-PVF5M1TIRC
C _{W1}	NEW ULTRA WIDE BULLET CAMERA, 2.3mm LENS, MICRO SD/SDHC/SDXC CARD, POE ELECTRICAL	DIGITAL WATCH DOG DWC-MBW8W12TW
C _{W2}	NEW ULTRA WIDE BULLET CAMERA, 2.3mm LENS, MICRO SD/SDHC/SDXC CARD, POE ELECTRICAL	DIGITAL WATCH DOG DWC-MBW8W12TW
C _{W3}	NEW ULTRA WIDE BULLET CAMERA, 2.3mm LENS, MICRO SD/SDHC/SDXC CARD, POE ELECTRICAL	DIGITAL WATCH DOG DWC-MBW8W12TW
W ₁	EXISTING 5GHz RADIO	UBIQUITI NANOSTATION LOCO 5AC



LINE DIAGRAM - SURVEILLANCE CAMERA SYSTEM



DETAIL - DOOR HARDWARE WITH ACCESS CONTROLS



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SCHEMATIC
DIAGRAMS

DATE: SEPTEMBER, 2022
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E302