

HOMER HARBOR MASTER'S OFFICE

CITY OF HOMER
491 E. PIONEER AVENUE
HOMER, ALASKA 99603



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Electrical Consultant	EIC Engineers, Inc. 6927 Old Seward Hwy, Suite 200, Anchorage, AK 99518 office: (907) 349-9712 fax: (907) 349-9713 email: eric@eiceng.com

ACCESSIBILITY GENERAL NOTES

1. THIS BUILDING IS DESIGNED TO COMPLY WITH THE PROVISIONS OF THE ADAAG. THIS INCLUDES, BUT IS NOT LIMITED TO, DOOR SIZES, THRESHOLDS, DOOR PULLS, DOOR HARDWARE, GRAB BARS, RESTROOM FIXTURES, TOILET PARTITIONS, ETC. THE FOLLOWING EXCERPTS FROM THE ADAAG SHALL BE APPLIED TO THIS BUILDING BUT IN NO WAY LIMIT THE APPLICABILITY OF THOSE SECTIONS NOT LISTED.
2. A "VAN ACCESSIBLE" PARKING SPACE IS PROVIDED WITH A SIGN THAT IS CLEARLY VISIBLE TO THE DRIVER OF A VEHICLE WHEN PARKING IN SUCH A LOCATION.
3. ALL OBJECTS WHICH OVERHANG OR PROTRUDE INTO CIRCULATION PATHS SHALL COMPLY WITH SECTION 4.4 OF THE ADAAG. GROUND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES SHALL COMPLY WITH 4.5 OF THE ADAAG. (ADAAG 4.1.3 ACCESSIBLE BUILDINGS: NEW CONSTRUCTION) NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH WORK THAT DOES NOT COMPLY.
4. GROUND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES INCLUDING FLOORS, WALKS, RAMPS, STAIRS, AND CURB RAMPS, SHALL BE STABLE, FIRM, SLIP-RESISTANT, AND SHALL COMPLY WITH 4.5. (ADAAG 4.5.1) NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH WORK THAT DOES NOT COMPLY.
5. CHANGES IN LEVEL UP TO 1/4 INCH MAY BE VERTICAL AND WITHOUT EDGE TREATMENT. CHANGES IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 1/2 INCH SHALL BE ACCOMPLISHED BY MEANS OF A RAMP THAT COMPLIES WITH ADAAG 4.7 OR.4.8. (ADAAG 4.5.2) NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH WORK THAT DOES NOT COMPLY.

ABBREVIATIONS

ACP	ACOUSTICAL CEILING PANEL	MAX	MAXIMUM
AFF	ABOVE FINISH FLOOR	MECH	MECHANICAL
AWW	ALL WEATHER WOOD	MFR	MANUFACTURER
CONC	CONCRETE	MIN	MINIMUM
CRPT	CARPET	NIC	NOT IN CONTRACT
DF	DRINKING FOUNTAIN	OC	ON CENTER
DN	DOWN	OFCI	OWNER FURNISHED
DWG	DRAWINGS		CONTRACTOR INSTALLED
ELECT	ELECTRICAL	OH	OVERHEAD
FE	FIRE EXTINGUISHER, WALL BRACKET MOUNTED	OPP	OPPOSITE HAND
FEC	FIRE EXTINGUISHER CABINET	PT	PRESERVATIVE TREATED
FD	FLOOR DRAIN	SIM	SIMILAR
EQ	EQUAL	SR	SHEET RUBBER
EXP AG	EXPOSED AGGREGATE	SS	STAINLESS STEEL
GA	GAUGE	SV	SHEET VINYL
GLB	GLULAM BEAM	STOR	STORAGE
GWB	GYP SUM WALL BOARD	STRUCT	STRUCTURAL
HB	HOSE BIBB	T&G	TOUNGE AND GROOVE
HDWR	HARDWARE	T.O	TOP OF
HR	HOUR	TYP	TYPICAL
ID	INTERIOR DIMENSION	WH	WATER HEATER

KEY SYMBOLS

	BUILDING SECTION KEY		PARTITION TYPE
	BUILDING ELEVATION KEY		CEILING TYPE
	INTERIOR ELEVATION KEY		FLOOR TYPE
	WINDOW/RELITE TYPE		CENTERLINE
	DOOR TAG (ROOM # - DOOR #)		
	DETAIL KEY		

2009 IBC CODE DATA

OCCUPANCY GROUP	MIXED: BUSINESS GROUP B AND LOW-HAZARD STORAGE GROUP S-2
AUTOMATIC SPRINKLER SYSTEM	NFPA 13 SYSTEM
CONSTRUCTION TYPE	V-B
ALLOWABLE AREA	9,000 SF
ACTUAL AREA	4,784 SF
OCCUPANCY SEPARATIONS	NONE REQUIRED
NOTE	SEE CODE ANALYSIS BY KLAUDER & COMPANY ARCHITECTS DATED MAY 12, 2014, SEPARATE 8 1/2"x11" DOCUMENT

GENERAL NOTES

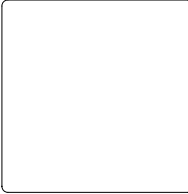
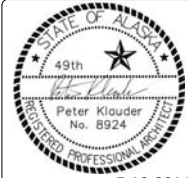
1. THESE DRAWINGS ARE "NOT FOR CONSTRUCTION" DOCUMENTS UNLESS THEY ARE CLEARLY MARKED "FOR CONSTRUCTION." DO NOT SCALE THE DRAWINGS.
2. ALL WORK SHALL COMPLY WITH THE MOST CURRENT EDITION OF THE FOLLOWING CODES THAT HAVE BEEN ADOPTED BY THE AUTHORITY HAVING JURISDICTION IN THE PROJECT AREA: INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL FUEL GAS CODE, AND NATIONAL ELECTRICAL CODE. THESE DOCUMENTS HAVE BEEN PREPARED TO BE IN COMPLIANCE WITH THE ALL APPLICABLE CODES AS LISTED ABOVE. ADOPTION OF UPDATED OR NEW CODES SHALL REQUIRE REVIEW BY AN ARCHITECT AND ENGINEERS AS APPROPRIATE FOR THE DISCIPLINES AFFECTED.
3. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY TO ENSURE THAT ANY WORK NOT COVERED IN THESE DOCUMENTS OR ANY MODIFICATIONS MADE DURING CONSTRUCTION ARE IN COMPLIANCE WITH ALL APPLICABLE CODES AS LISTED ABOVE. THE ARCHITECT SHALL BE NOTIFIED PRIOR TO ANY MODIFICATIONS.
4. CLEARANCE FROM COMBUSTIBLES SHALL BE PER MANUFACTURER'S WRITTEN SPECIFICATIONS.
5. ALL SUSPENDED CEILING SYSTEMS, ELECTRICAL FIXTURES, MECHANICAL DIFFUSERS, DUCTS, AND EQUIPMENT SHALL BE DESIGNED TO COMPLY WITH ASCE-7 SECTION 13.5.6.

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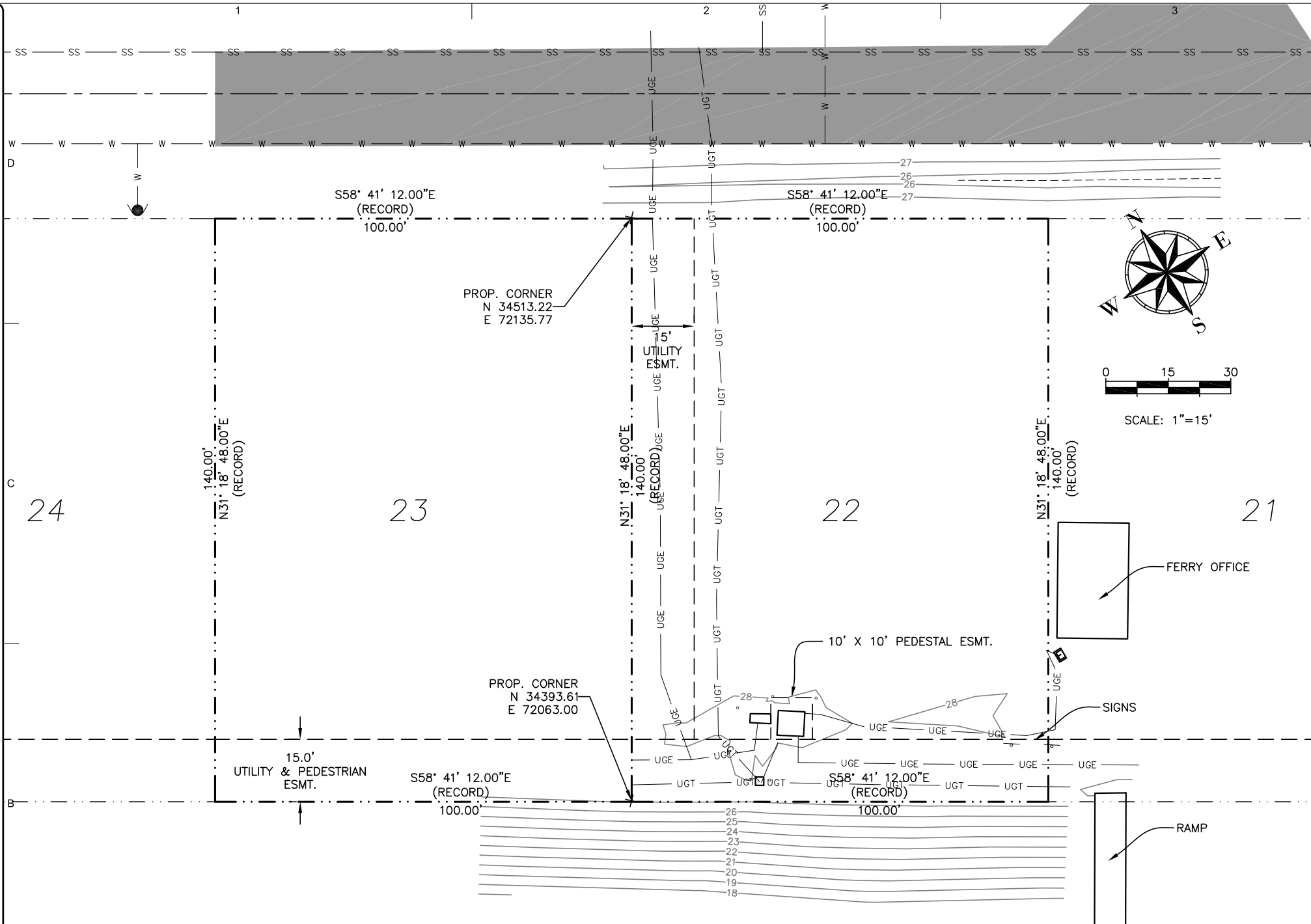
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DATE:	5-12-2014
REVISIONS:	
NO.	DATE

SHEET NUMBER

G1.1

SHEET CONTENTS
GENERAL
INFORMATION



LEGEND

	ASPHALT PAVEMENT
	BUILDING LINE
	DITCH
	EASEMENT
	EDGE OF PAVEMENT
	UTILITY - OVERHEAD ELECTRIC
	UTILITY - UNDERGROUND ELECTRIC
	UTILITY - UNDERGROUND TELEPHONE
	UTILITY - SEWER LINE
	UTILITY - WATER LINE
	PROPERTY LINE

SURVEY NOTES

- VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 BASED ON NGS PID TT0175; A BRASS DISK LABELED "C-103" WITH PUBLISHED ELEVATION OF 22.12 (NGVD88). TO CONVERT TO THE 1983-2001 TIDAL EPOCH MEAN LOWER LOW WATER DATUM=0 ADD 4.83 FEET TO THE VALUES SHOWN.
- HORIZONTAL DATUM IS 1976 HOMER CITY COORDINATE SYSTEM BASED ON VALUES PUBLISHED ON PLATS 89-34 AND 93-12 IN THE HOMER RECORDING DISTRICT.
- DATE OF FIELD SURVEY: AUGUST 14, 2013.

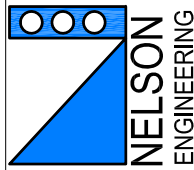
CONTROL POINT TABLE

POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
4331	34603.8470	72777.2000	26.26	1" DIA. HOLE IN ROCK
4332	33632.1780	73632.7570	24.75	BRASS STEM IN ROCK
4341	34126.	72557.	28.42	TOP_N_BOLT_LIGHT POLE
4343	34253.2050	72562.7220	26.97	RED PLASTIC CAP BY 3686S, 1991
4347	34341.662	72148.371	27.23	FND. 2"AL-CAP BY 7610-S, 2009
4348	34528.7510	72145.1870	27.58	SET MAG-NAIL
4350	34135.8750	72818.8230	27.05	MAG-NAIL
4351	34292.2570	73047.0950	26.69	SET 5/8 REBAR
4560	34088.6	72783.6	27.93	FH BOTTOM BONNET BOLT (WEST)



SITE SURVEY

GRAPHIC SCALE: 1" = 15' (22X34), 1" = 30' (11X17)

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ABILITY SURVEYS

152 Dehal Ave
Homer, AK 99603DESIGN BY: .
DRAWN: .
CHECKED: .
JOB NO: 1358
DATE: 05/12/2014

REVISIONS:

NO. DATE

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V1.0

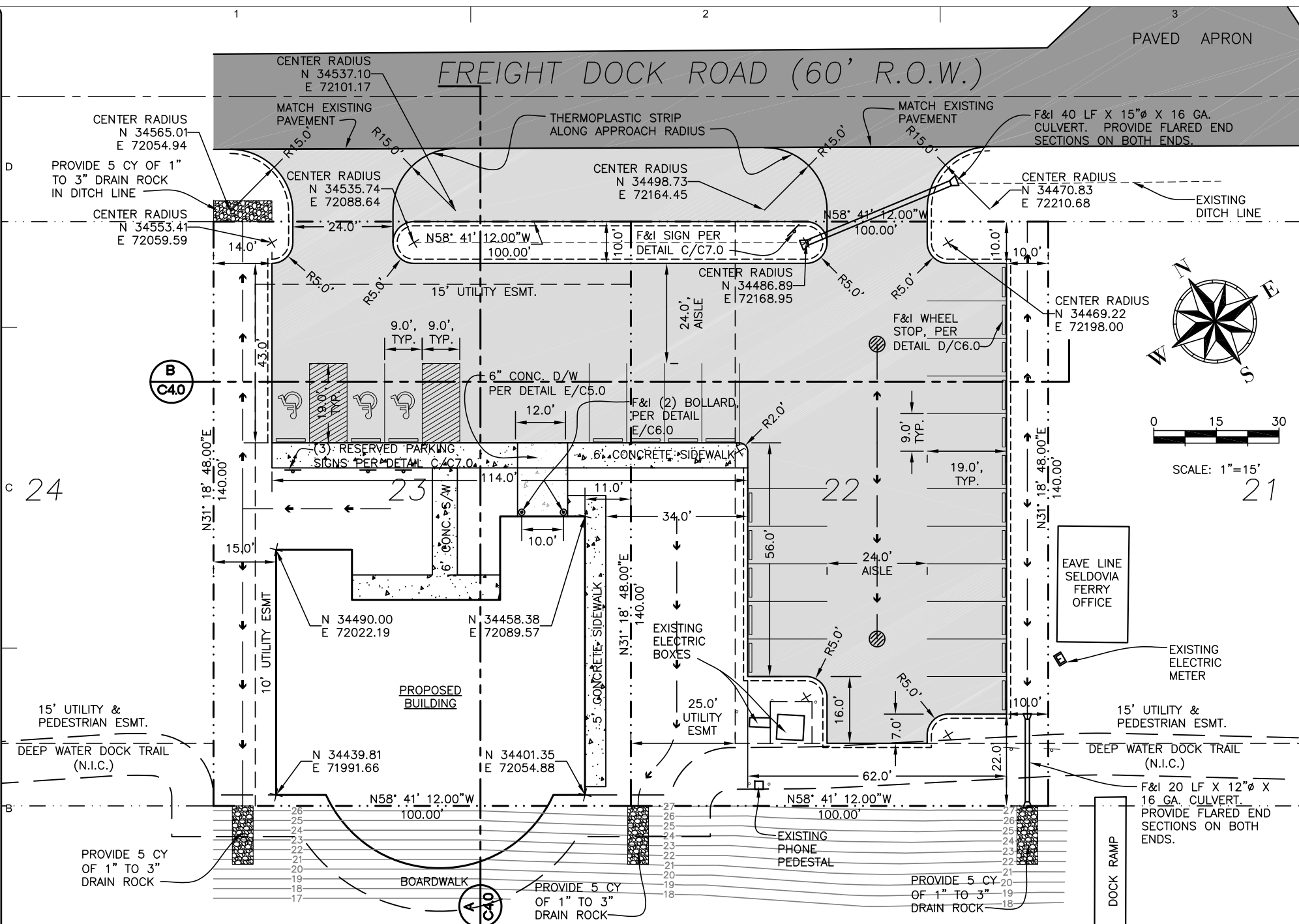
SHEET CONTENTS
SITE SURVEY

ISSUED FOR CONSTRUCTION

PLOTTED 1/2 SCALE

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GENERAL NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL SITE FEATURES. IF THE CONTRACTOR ENCOUNTERED CONDITIONS OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY CONTACT THE ENGINEER FOR DIRECTIONS.
- 2. ALL CONSTRUCTION METHODS AND MATERIALS USED FOR THIS PROJECT SHALL CONFORM CITY OF HOMER STANDARD CONSTRUCTION SPECIFICATIONS, 2011 EDITION.
- 3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. ACTUAL DEPTH, NUMBER AND LOCATION UNKNOWN. BURIED UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, IDENTIFYING, AND WORKING AROUND ALL UTILITIES WITHIN THE PROJECT LIMITS AT NO ADDITIONAL COST TO THE OWNER. CALL FOR LOCATES PRIOR TO EXCAVATION.

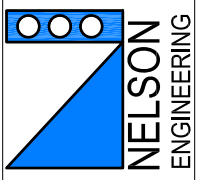
CIVIL SITE PLAN
GRAPHIC SCALE: 1" = 15' (22X34), 1" = 30' (11X17)

LEGEND

EXISTING (E)	PROPOSED (P)	
[Symbol]	[Symbol]	ASPHALT PAVEMENT
[Symbol]	[Symbol]	CONCRETE SIDEWALK
[Symbol]	[Symbol]	DRAIN ROCK
[Symbol]	[Symbol]	GRAVEL ROAD
[Symbol]	[Symbol]	BUILDING/STRUCTURE LINE
[Symbol]	[Symbol]	CONCRETE LINE
[Symbol]	[Symbol]	DITCH CENTERLINE
[Symbol]	[Symbol]	DRAINAGE SWALE
[Symbol]	[Symbol]	EASEMENT
[Symbol]	[Symbol]	EDGE OF PAVEMENT
[Symbol]	[Symbol]	PROPERTY LINE
[Symbol]	[Symbol]	UTILITY - OVERHEAD ELECTRIC
[Symbol]	[Symbol]	UTILITY - UNDERGROUND ELECTRIC
[Symbol]	[Symbol]	UTILITY - UNDERGROUND TELEPHONE
[Symbol]	[Symbol]	UTILITY - RAIN LEADER
[Symbol]	[Symbol]	UTILITY - SEWER LINE
[Symbol]	[Symbol]	UTILITY - STORM DRAIN
[Symbol]	[Symbol]	UTILITY - WATER LINE
[Symbol]	[Symbol]	CATCH BASIN/MANHOLE
[Symbol]	[Symbol]	WATER SERVICE VALVE
[Symbol]	[Symbol]	FOUND MONUMENT
[Symbol]	[Symbol]	ELECTRIC METER
[Symbol]	[Symbol]	SECTION

COMMON ABBREVIATIONS

A.C.	ASPHALT CONCRETE	INT	INTERSECTION
ACAD	AUTOCAD	INV	INVERT
ADA	AMERICANS WITH DISABILITIES	L	LENGTH
APPROX	APPROXIMATE	LF	LINEAR FEET
ASS'Y	ASSEMBLY	LT	LEFT
AVG	AVERAGE	MAX	MAXIMUM
BLDG	BUILDING CORNER	ME	MATCH EXISTING
BOP	BOTTOM OF PIPE	MFR	MANUFACTURER
CB	CATCH BASIN	MKR	MARKER POST
CIP	CAST IRON PIPE	MIN	MINIMUM
CL	CENTER LINE, CLASS	MOA	MUNICIPALITY OF
CMP	CORRUGATED METAL PIPE		ANCHORAGE
CONC	CONCRETE	MON	MONUMENT
CONST	CONSTRUCT	N	NORTH
COR	CORNER	NFS	NON FROST SUSCEPTIBLE
CP	CONTROL POINT	NIC	NOT IN CONTRACT
CPEP	CORRUGATED POLYETHYLENE PIPE	NTS	NOT TO SCALE
CY	CUBIC YARD	OC	ON CENTER
DET	DETAIL	OH	OVERHEAD
DIA	DIAMETER	PC	POINT OF CURVATURE
DW	DRIVEWAY	PED	PEDESTAL
DWG	DRAWING	PI	POINT OF INTERSECTION
E	EAST, ELECTRIC	PL	PROPERTY LINE
EA	EACH	PP	POWER POLE
EG	EXISTING GROUND	PVMT	PAVEMENT
EL, ELEV	ELEVATION	R	RADIUS, RECORD
EOP	END OF PROJECT	REQ'D	REQUIRED
EP	EDGE OF PAVEMENT	RL	RAIN LEADER
ESMT	EASEMENT	ROW	RIGHT-OF-WAY
EXIST	EXISTING	N.I.C.	NOT IN CONTRACT
F&I	FURNISH AND INSTALL	S	SOUTH
FF	FINISH FLOOR	S/W	SIDEWALK
FG	FINISH GRADE	SDMH	STORM DRAIN MANHOLE
FT	FOOT, FEET	SH	SHOULDER
GA	GAUGE	SSMH	SANITARY SEWER MANHOLE
GD	GROUND	SS	SANITARY SEWER
GR	GRADE	SW	SIDEWALK
HYD	HYDRANT	TBC	TOP BACK OF CURB
HDPE	HIGH DENSITY POLYETHYLENE	TC	TOP OF CONCRETE
IE	INVERT ELEVATION	TYP	TYPICAL
		TW	TOP OF WALL
		UTIL	UTILITY
		W	WATER, WEST



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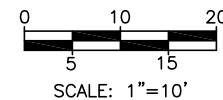
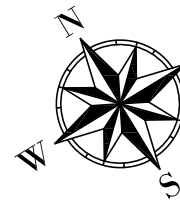
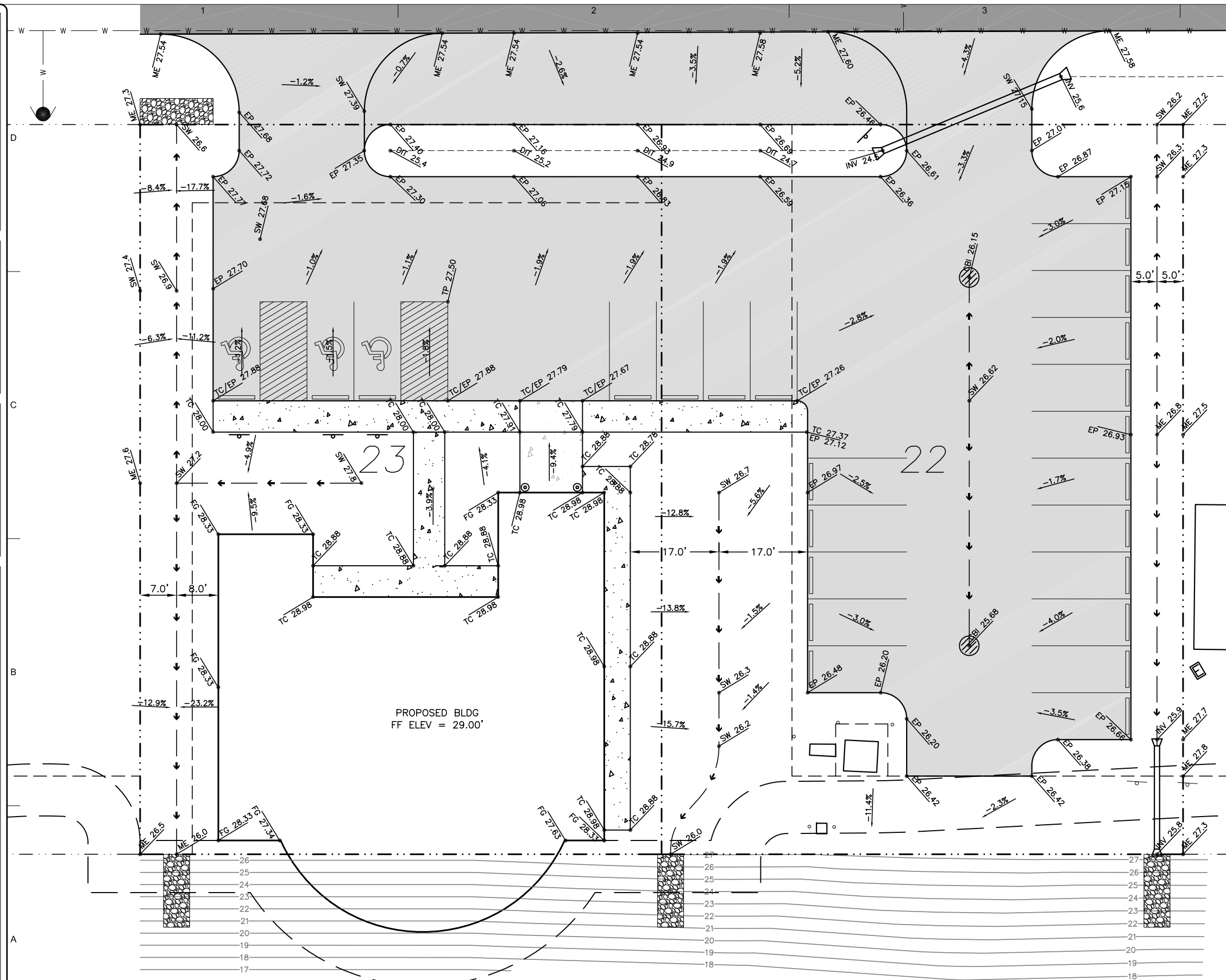
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JOB NO: 1358
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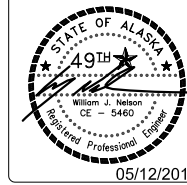
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SHEET CONTENTS
CIVIL SITE PLAN



GRADING LEGEND

- CBI — CATCH BASIN INLET
 DIT — DITCH
 EG — EXISTING GROUND
 EP — EDGE OF FUTURE GRADE
 FG — FINISH GRADE
 INV — INVERT ELEVATION
 ME — MATCH EXISTING
 SW — SWALE
 TC — TOP OF CONCRETE
 TP — TOP OF PAVEMENT
-  SPOT ELEVATION
-  DRAINAGE SLOPE/FLOW DIRECTION
-  DRAINAGE SWALE/FLOW DIRECTION

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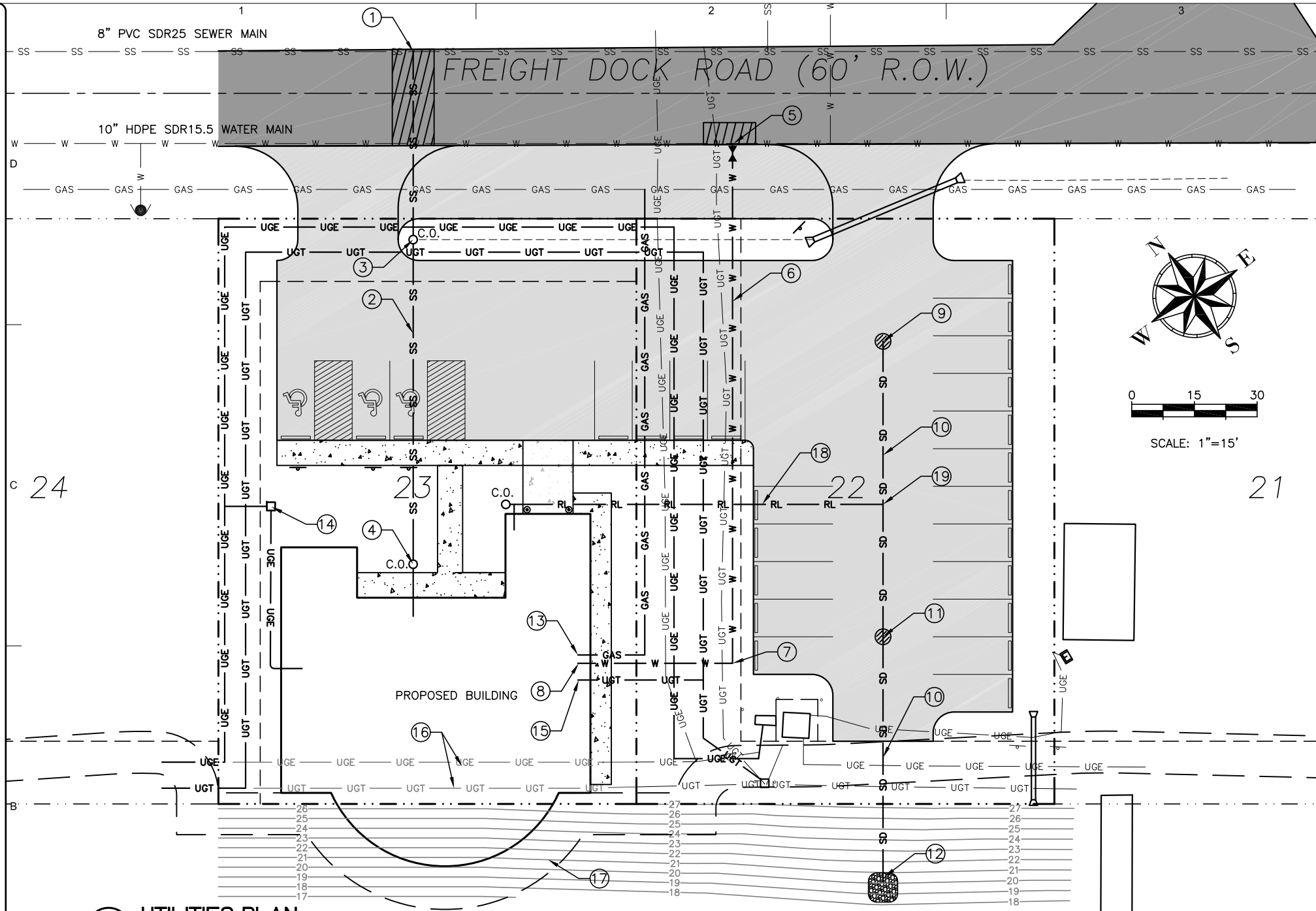
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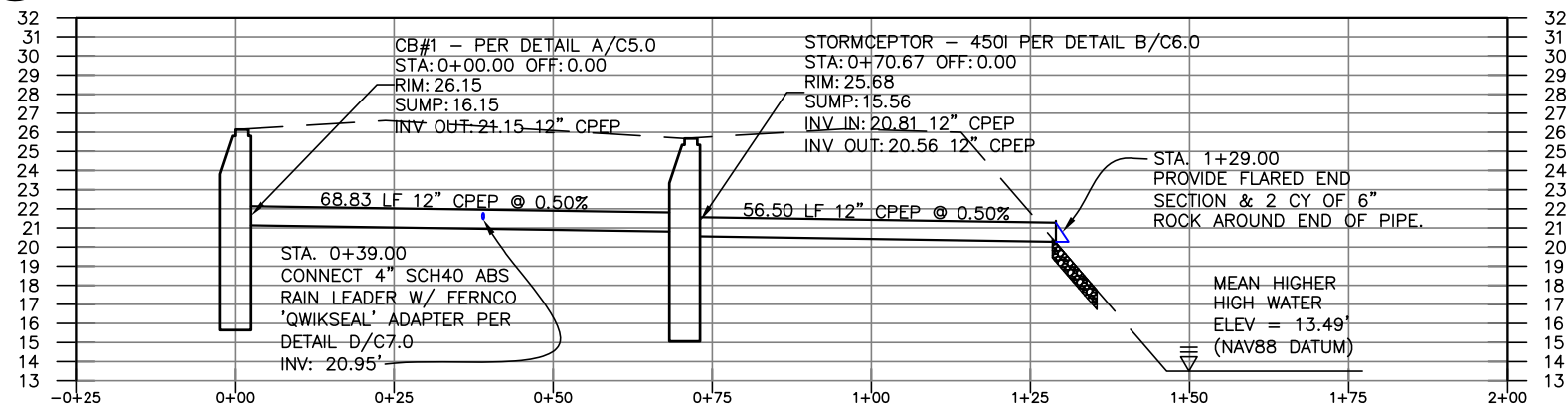


UTILITIES PLAN KEY NOTES

- CONNECT 4" CAST IRON 'TY-SEAL' SEWER SERVICE TO EXISTING 8" PVC SDR25 SEWER MAIN WITH TEE SADDLE PER CITY OF HOMER STANDARD DETAIL 500.13. REMOVE ASPHALT AS REQ'D AND REPLACE PER CITY OF HOMER STANDARD DETAIL 400.01. INV: 13.70± PER CITY OF HOMER AS-BUILTS (VERIFY)
- F&I 4" CAST IRON 'TY-SEAL' SEWER SERVICE @ MIN. 2% SLOPE. SEE MECHANICAL PLANS FOR CONTINUATION INTO BUILDING. MIN. 5' BURY
- F&I CLEANOUT 5' FROM EDGE OF PAVEMENT PER DETAIL C/C5.0.
- F&I CLEANOUT 2' TO 5' FROM EDGE OF BUILDING SLAB PER DETAIL C/C5.0.
- HOT TAP CONNECT 6" HDPE SDR11 WATER SERVICE TO EXISTING 10" HDPE SDR15.5 WATER MAIN PER DETAIL C/C6.0. F&I VALVE BOX PER CITY OF HOMER STANDARD DETAIL 600.03 REMOVE ASPHALT AS REQ'D AND REPLACE PER CITY OF HOMER STANDARD DETAIL 400.01. INV: 17.58± PER CITY OF HOMER AS-BUILTS (VERIFY)
- F&I 6" HDPE SDR11 WATER SERVICE. SEE MECHANICAL PLANS FOR CONTINUATION INTO BUILDING. PROVIDE MIN. 7' BURY MINIMUM 15' BENDING RADIUS
- F&I 90 DEGREE SWEEP AND THRUST BLOCK
- F&I WATER SERVICE RISER PER DETAIL A/C6.0.
- F&I PERFORATED CATCH BASIN PER DETAIL A/C5.0
N 34457.26
E 72170.83
- F&I 12" X 16 GA. CPEP @ 0.5% GRADE PER CITY OF HOMER STANDARDS. BEARING S31°18'48.00"W
- F&I STORMCEPTOR 450i PER DETAIL B/C6.0
N 34396.89
E 72134.10
- PROVIDE FLARED END SECTION & 2 CY OF 6" ROCK AROUND END OF PIPE.
- NEW GAS LINE & METER BY OTHERS
- NEW JUNCTION BOX & UNDERGROUND ELECTRIC LINES BY OTHERS. SEE ELECTRICAL PLANS FOR CONTINUATION INTO BUILDING.
- NEW PHONE PEDESTAL AND UNDERGROUND TELEPHONE LINES BY OTHERS. SEE ELECTRICAL PLANS FOR CONTINUATION INTO BUILDING.
- EXISTING UNDERGROUND ELECTRIC AND TELEPHONE WITHIN BUILDING FOOTPRINT TO BE ABANDONED BY OTHERS.
- DEEP WATER DOCK TRAIL & BOARDWALK (NOT IN CONTRACT)
- F&I 4" SCH40 ABS RAIN LEADER @ 1.0%. PROVIDE 2" THICK X 2' WIDE DOW STYROFOAM "HI" INSULATION BOARD. SEE MECHANICAL PLANS FOR CONTINUATION INTO BUILDING
- CONNECT TO 12" CPEP WITH FERNCO 'QWIKSEAL' ADAPTOR PER DETAIL D/C7.0
INV OF 12" CPEP = 20.95'

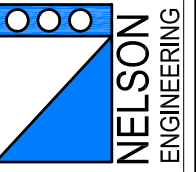
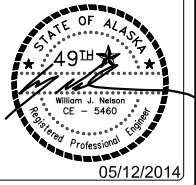
A UTILITIES PLAN

C3.0 GRAPHIC SCALE: 1" = 15' (22X34), 1" = 30' (11X17)



B STORM DRAIN SYSTEM PROFILE

C3.0 HORIZONTAL SCALE: 1" = 15' (22X34), 1" = 30' (11X17); VERTICAL SCALE: 1" = 5' (22X34), 1" = 10' (11X17)

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Office: (907) 283-1919 Fax: (907) 283-0450
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DRAWN: MZD
CHECKED: WJN
JOB NO: 1358
DATE: 05/12/2014REVISIONS:
NO. DATE

SHEET NUMBER

C3.0

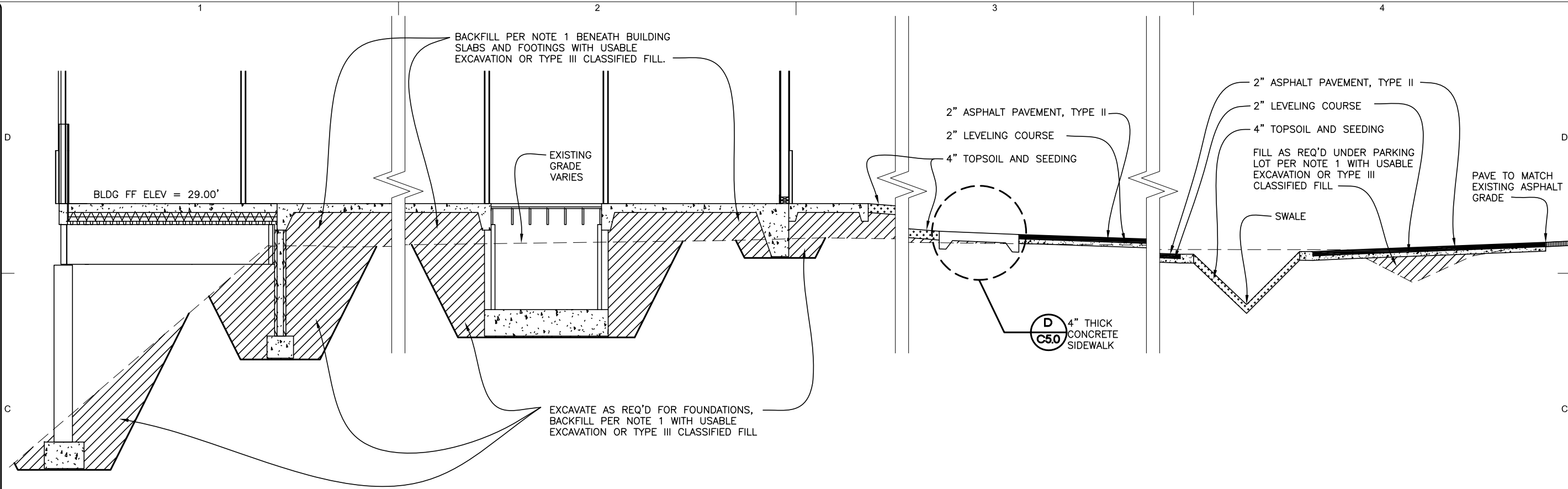
SHEET CONTENTS
UTILITIES PLAN &
STORM DRAIN
SYSTEM PROFILE

ISSUED FOR CONSTRUCTION

PLOTTED 1/2 SCALE

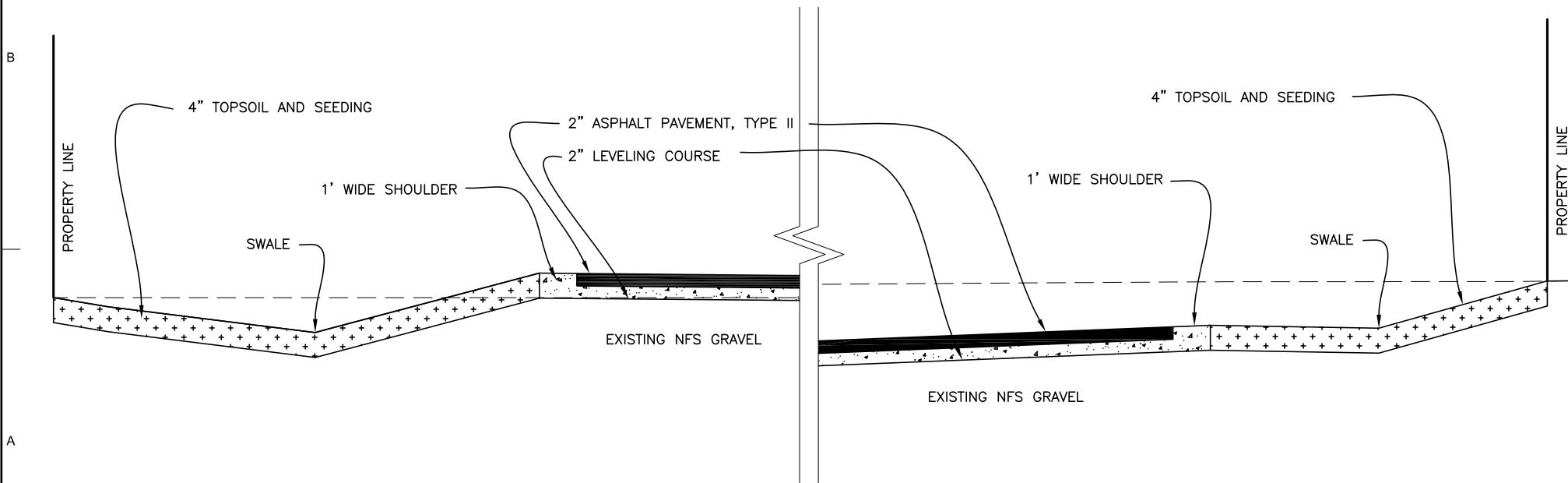
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A TYPICAL SITE SECTION 1
C4.0

HORIZONTAL SCALE: 1" = 4' (22X34), 1" = 8' (11X17); VERTICAL SCALE: 1" = 2' (22X34), 1" = 4' (11X17)

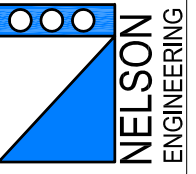
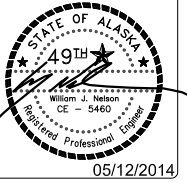


B TYPICAL SITE SECTION 2
C4.0

HORIZONTAL SCALE: 1" = 2' (22X34), 1" = 4' (11X17); VERTICAL SCALE: 1" = 1' (22X34), 1" = 2' (11X17)

TYPICAL SITE SECTION NOTES:

1. ALL FILLS UNDER BUILDING FOOTPRINT & PARKING LOT SHALL BE PLACED IN LIFTS NOT EXCEEDING 12" AND COMPACTED TO 95 PERCENT OF MAXIMUM DRY DENSITY.
2. GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, NONCOMPLYING FILL, TOPSOIL, AND OTHER UNSUITABLE MATERIALS. SCARIFY BOTTOM OF EXCAVATION TO PROVIDE BOND WITH NEW FILL.
3. SEE SHEET C2.0 GRADING PLAN FOR CONCRETE AND ASPHALT PAVEMENT GRADES.



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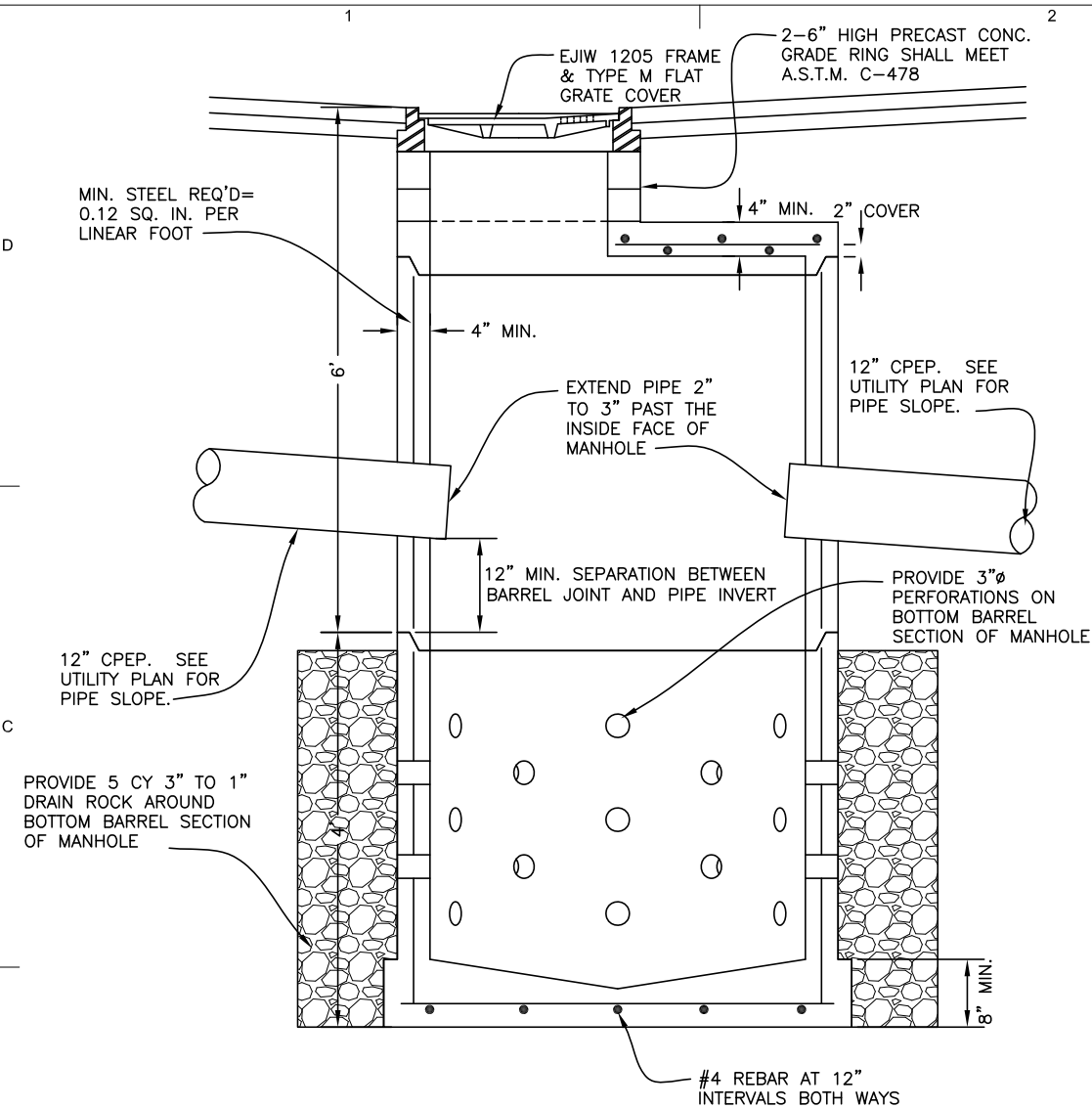
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C4.0

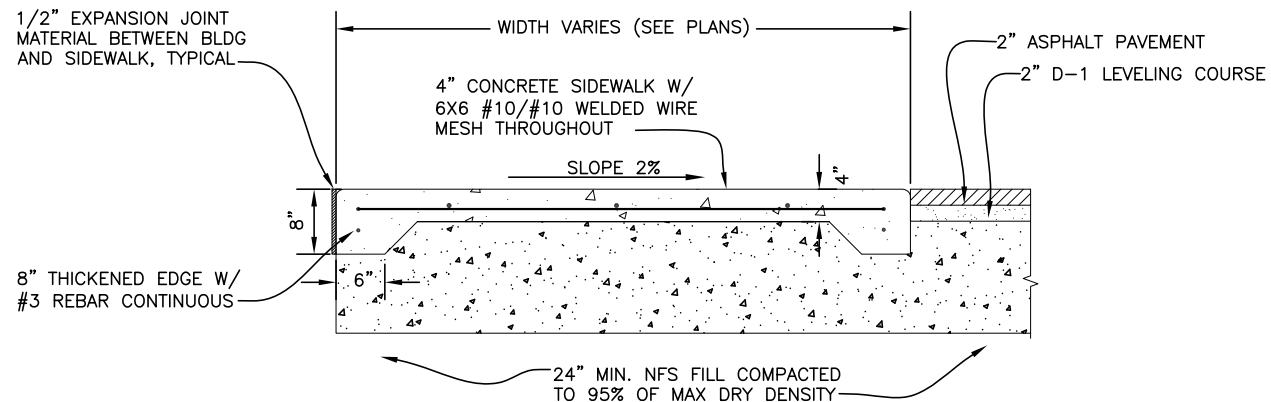
SHEET CONTENTS
TYPICAL SITE
SECTIONS



- NOTES:
1. COMPRESSIVE STRENGTH OF CONCRETE SHALL BE MINIMUM 4000 P.S.I., EXCEPT BASE SLAB WHICH MAY BE 3000 P.S.I. CONNECT BASE & BARREL WITH CONTINUOUS STEEL.
 2. SEE ASTM C-470-69 FOR DESIGN REQUIREMENTS AND MINIMUM REINFORCING STEEL REQUIRED.
 3. BLOCKOUTS TO BE FORMED.
 4. RUNGS TO BE PLACED 12" ON CENTER ON UNOBSTRUCTED SIDE OF MANHOLE & 6" MAX. FROM TOP OF LID.
SEE CITY OF HOMER RUNG (MANHOLE STEP) STANDARD DETAIL 800.07.
 5. PAVE TO EDGE OF CATCH BASIN INLET.

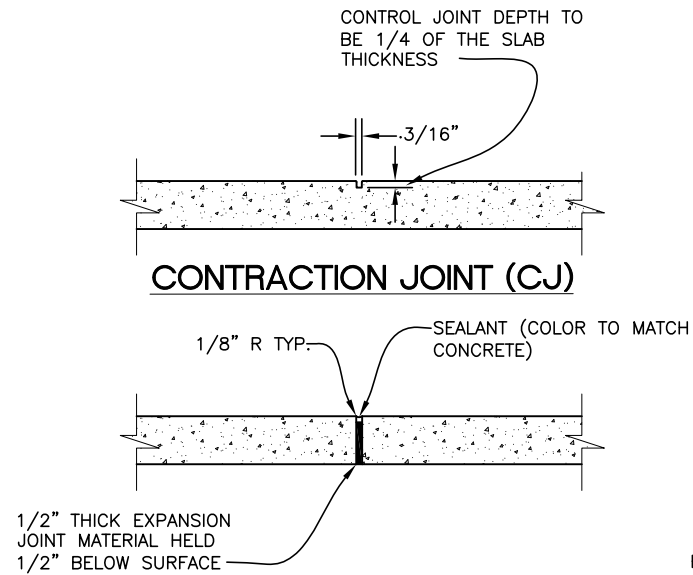
A **PERFORATED CATCH BASIN**
C5.0 GRAPHIC SCALE: 1" = 1' (22X34); 1/2" = 1' ()

GRAPHIC SCALE: 1" = 1' (22X34); 1/2" = 1' (11X17)



D TYPICAL 4" CONCRETE SIDEWALK
C5.0 GRAPHIC SCALE: 1" = 1' (22X34); 1/2" = 1' (11X17)

GRAPHIC SCALE: 1" = 1' (22X34); 1/2" = 1' (11X17)

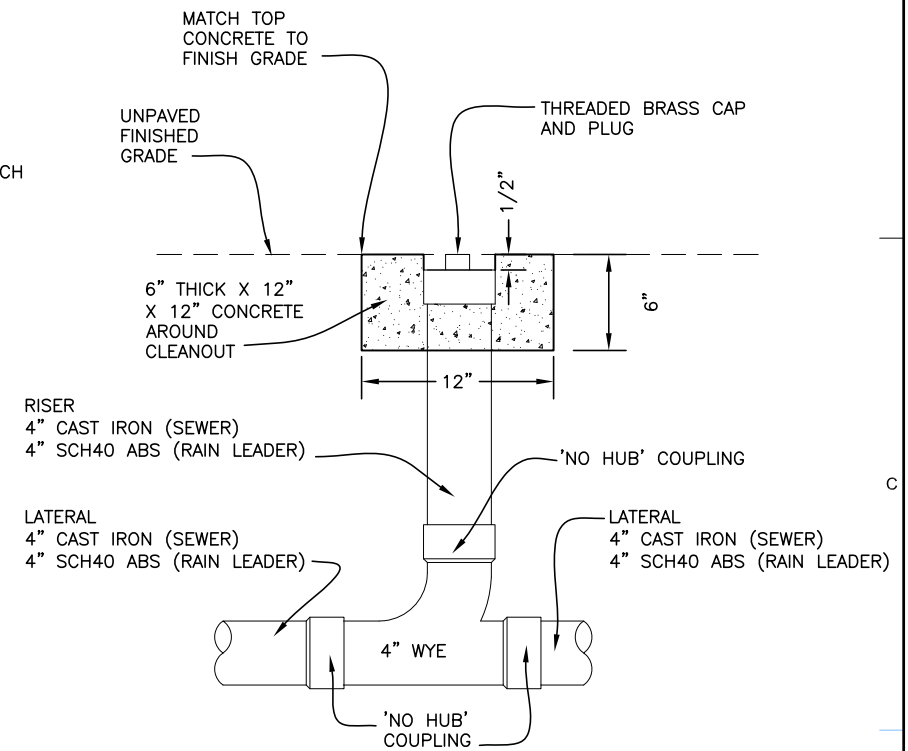


EXPANSION JOINT (EJ)

- NOTES:
1. UNLESS OTHERWISE NOTED, CONTRACTION JOINTS SHALL OCCUR AT DISTANCES EQUAL TO WIDTH OF SIDEWALKS, WITH EXPANSION JOINTS NO FARTHER THAN 30 FEET APART.
2. UNLESS OTHERWISE NOTED, ALL CONCRETE FLATWORK TO BE OF BROOM FINISH, WITH PATTERN RUNNING PERPENDICULAR TO FLOW OF TRAFFIC.

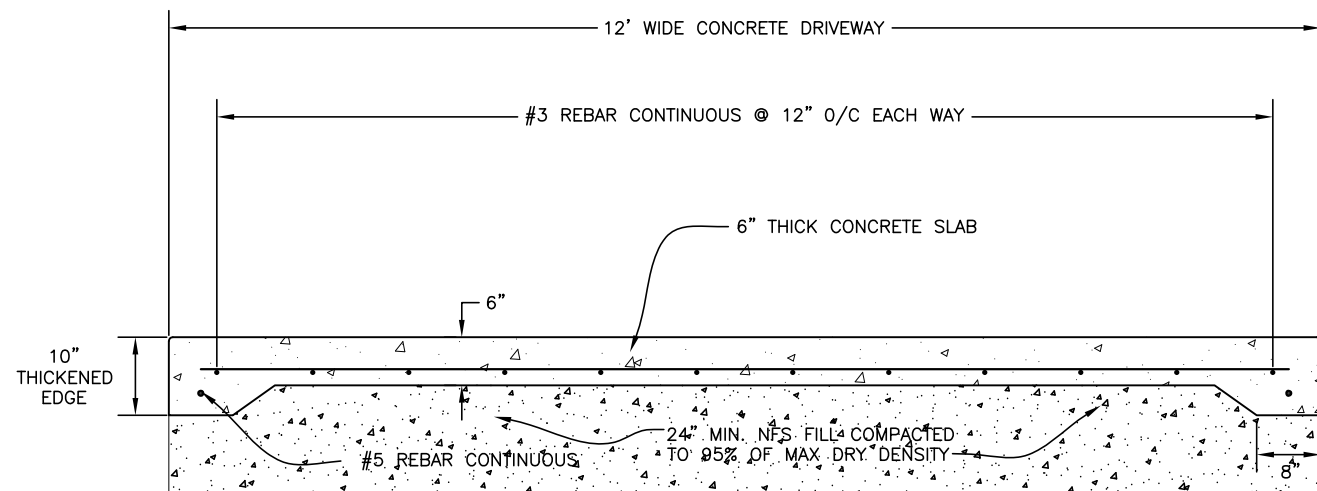
B SIDEWALK JOINTS
C5.0 GRAPHIC SCALE: NTS

GRAPHIC SCALE: NTS



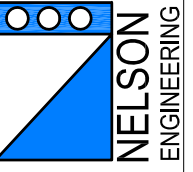
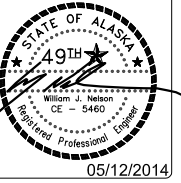
TYPICAL CLEANOUT
GRAPHIC SCALE: NTS

GRAPHIC SCALE: NTS



E **TYPICAL 6" CONCRETE DRIVEWAY**
C5.0 GRAPHIC SCALE: 1" = 1' (22X34); 1/2" = 1' (11X17)

GRAPHIC SCALE: 1" = 1' (22X34); 1/2" = 1' (11X17)

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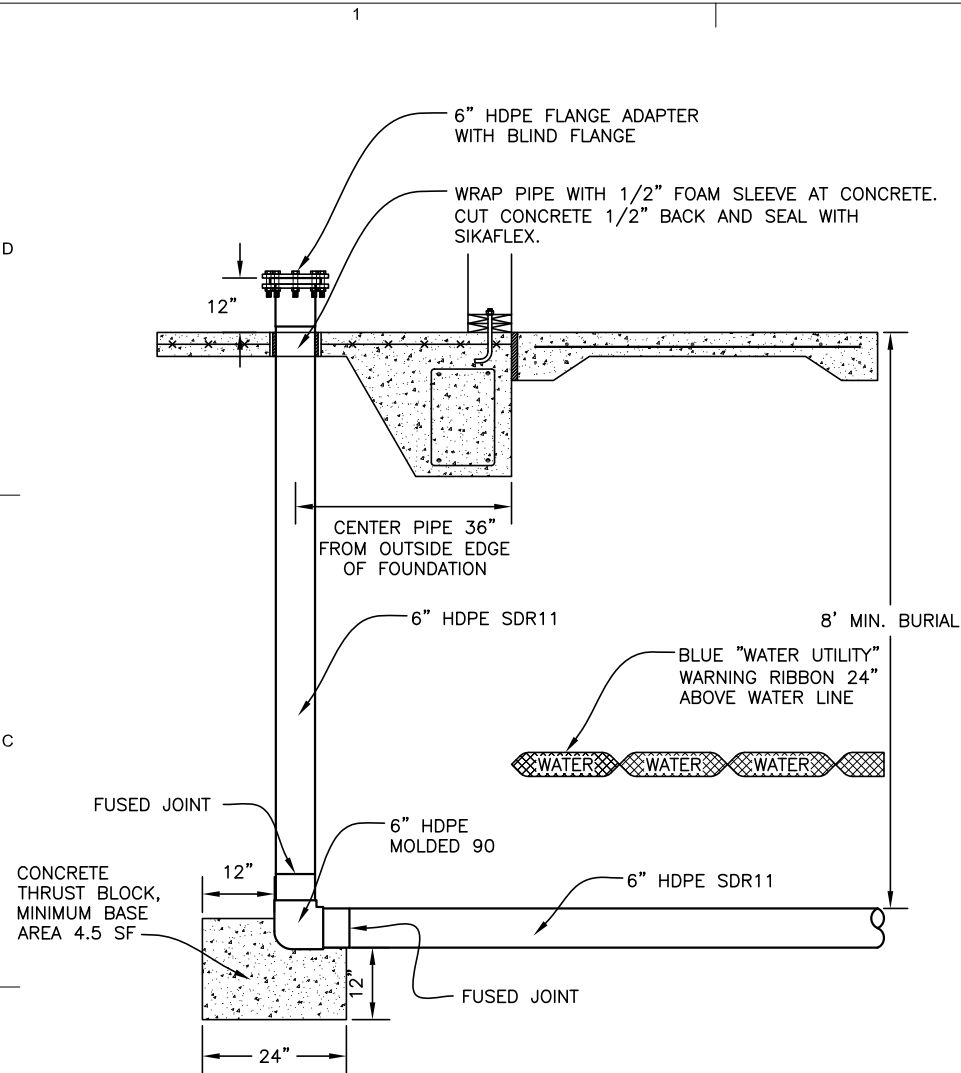
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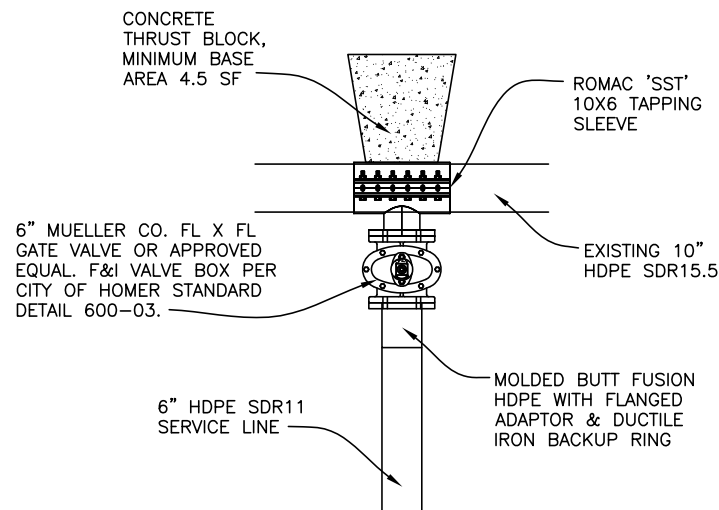
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NO.	DATE

SHEET NUMBER
C5.0

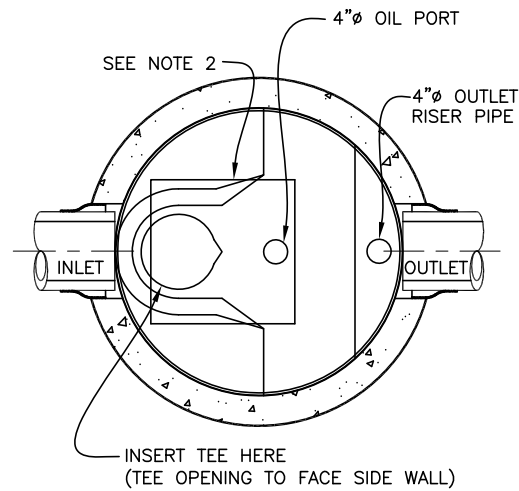
SHEET CONTENTS
TYPICAL DETAILS

**A WATER SERVICE RISER DETAIL**

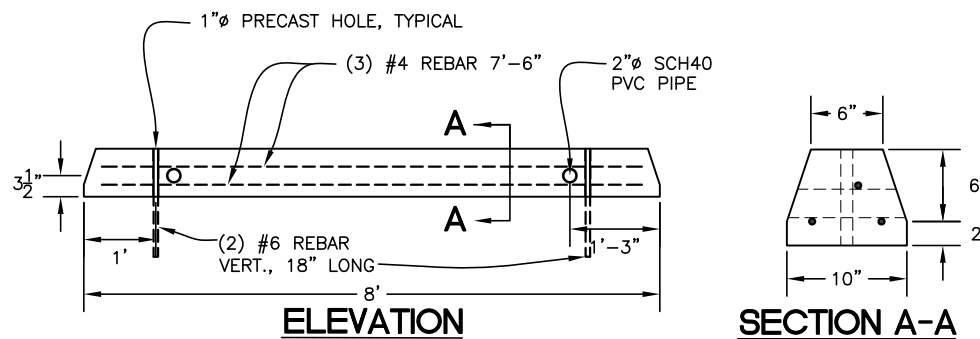
C6.0 GRAPHIC SCALE: NTS

**SECTION THRU CHAMBER****PLAN VIEW****NOTES:**

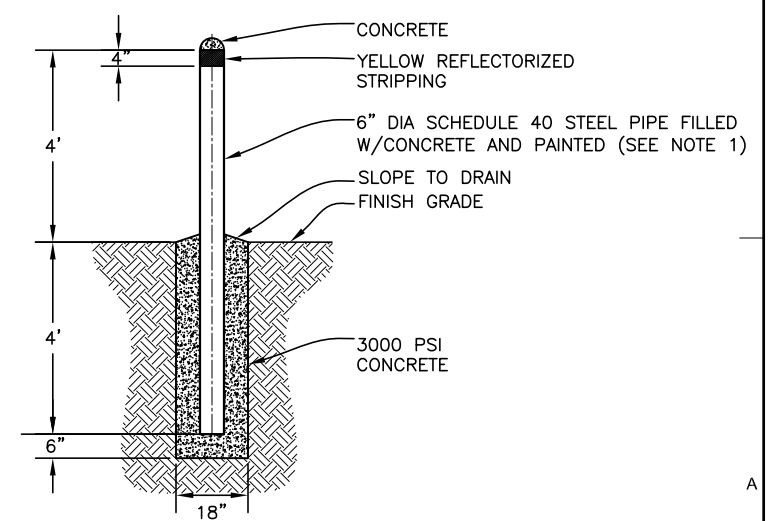
1. THE USE OF FLEXIBLE CONNECTION IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE INLET DROP PIPE AND THE OIL PORT.
3. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
4. CONTACT A CONCRETE PIPE DIVISION REPRESENTATIVE FOR FURTHER DETAILS NOT LISTED ON THIS DRAWING.

**B PRECAST CONCRETE STORMCEPTOR - STC 450i (450 GALLON CAPACITY)**

C6.0 GRAPHIC SCALE: NTS

**NOTES:**

1. CONCRETE WHEEL STOPS SHALL BE PLACED PER PLANS OR AS DIRECTED BY THE ENGINEER.
2. CONCRETE WHEEL STOP SHALL BE PRECAST CLASS AA-3 CONCRETE.
3. EPOXY CEMENT SHALL NOT BE SUBSTITUTED FOR #5 VERTICAL REBAR PIN.
4. HOLES FOR REBAR DOWELS SHALL BE 1-INCH DIAMETER. GROUT, CEMENT, OR EPOXY HOLE SHUT AFTER BAR IS IN PLACE.

**NOTES:**

1. PROVIDE HIGH PERFORMANCE COATING PER SPECIFICATIONS

C HOT TAP WATER SERVICE CONNECTION

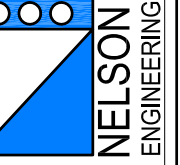
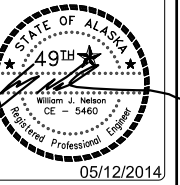
C6.0 GRAPHIC SCALE: NTS

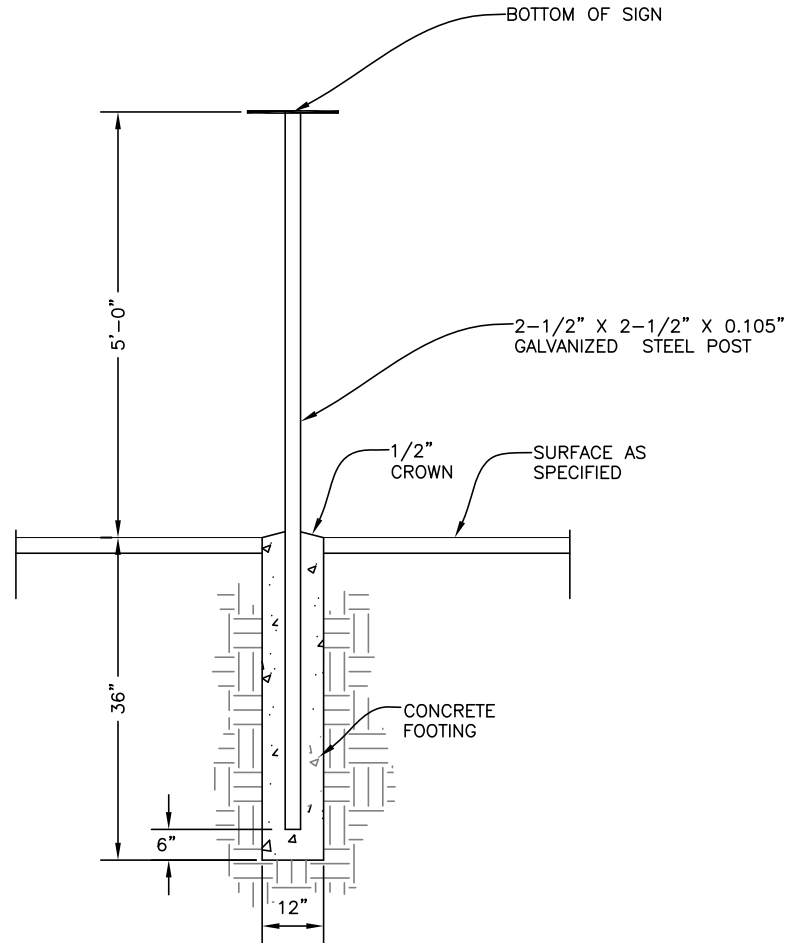
D TYPICAL WHEEL STOP

C6.0 GRAPHIC SCALE: NTS

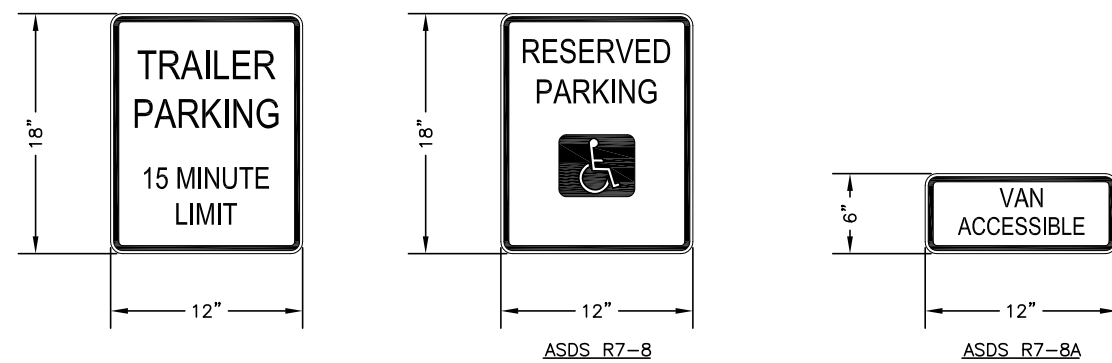
E TYPICAL BOLLARD

C6.0 GRAPHIC SCALE: NTS

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JOB NO: 1358
DATE: 05/12/2014REVISIONS:
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C6.0SHEET CONTENTS
TYPICAL DETAILS

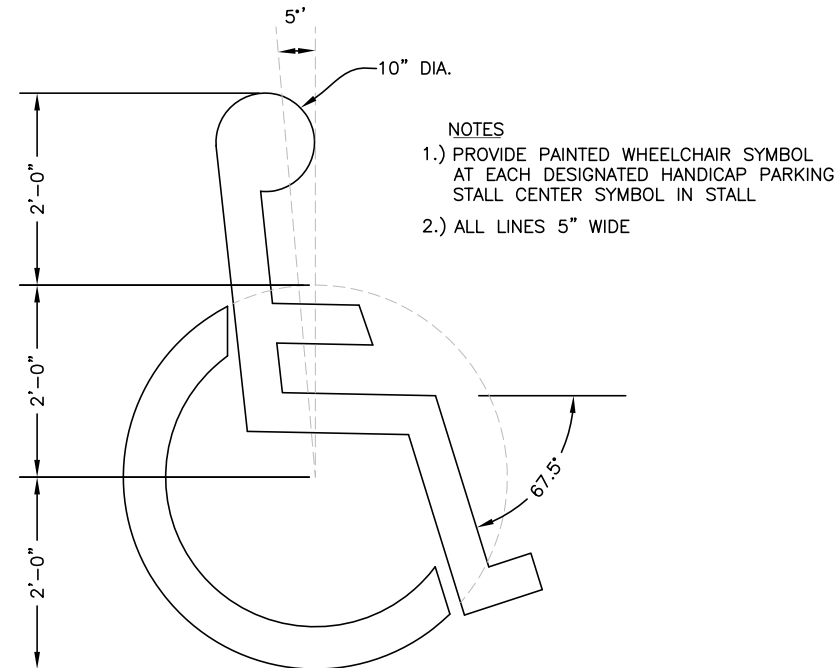


A
C7.0 TYPICAL SIGN BASE
GRAPHIC SCALE: NTS

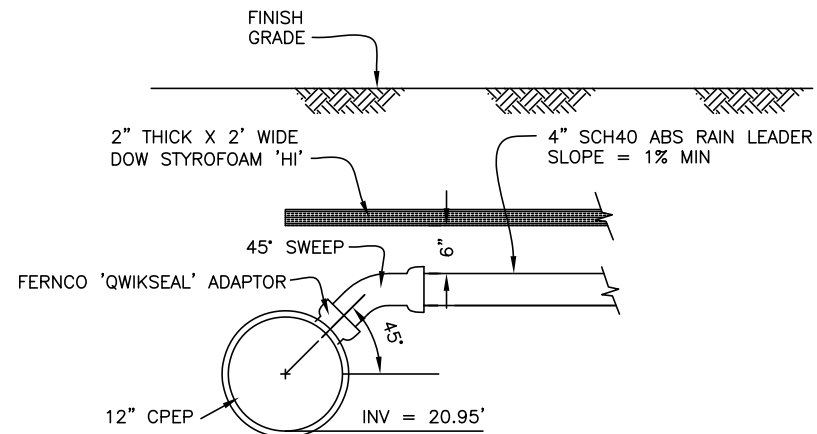


NOTES:
ALL SIGNS SHALL HAVE MINIMUM THICKNESS OF .080"

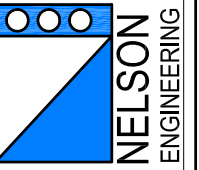
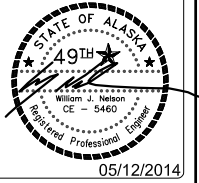
C
C7.0 TYPICAL SIGNS
GRAPHIC SCALE: NTS



B
C7.0 TYPICAL ADA PAINTED PARKING SYMBOL
GRAPHIC SCALE: NTS



D
C7.0 RAIN LEADER TO 12" CPEP CONNECTION
GRAPHIC SCALE: NTS



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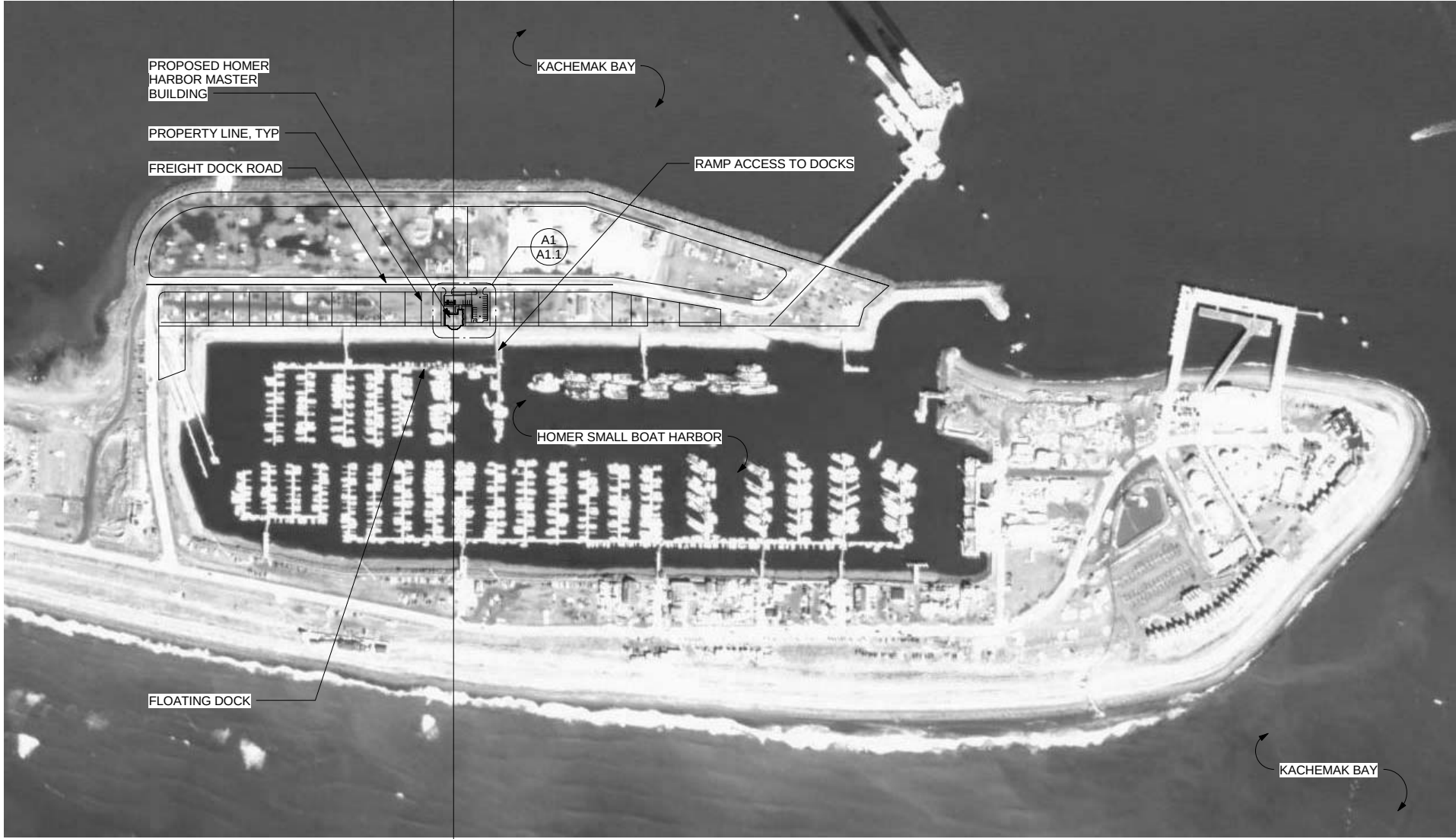
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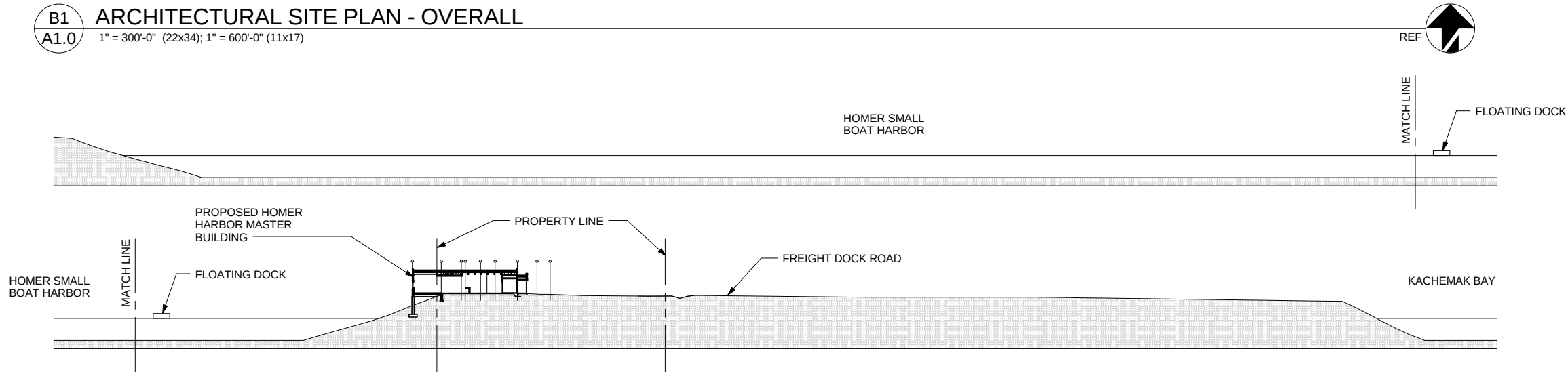
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C7.0

SHEET CONTENTS
TYPICAL DETAILS



B1
A1.0 **ARCHITECTURAL SITE PLAN - OVERALL**
1" = 300'-0" (22x34); 1" = 600'-0" (11x17)



A1
A1.0 **SITE SECTION**
1" = 40'-0" (22x34); 1" = 100'-0" (11x17)



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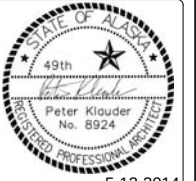
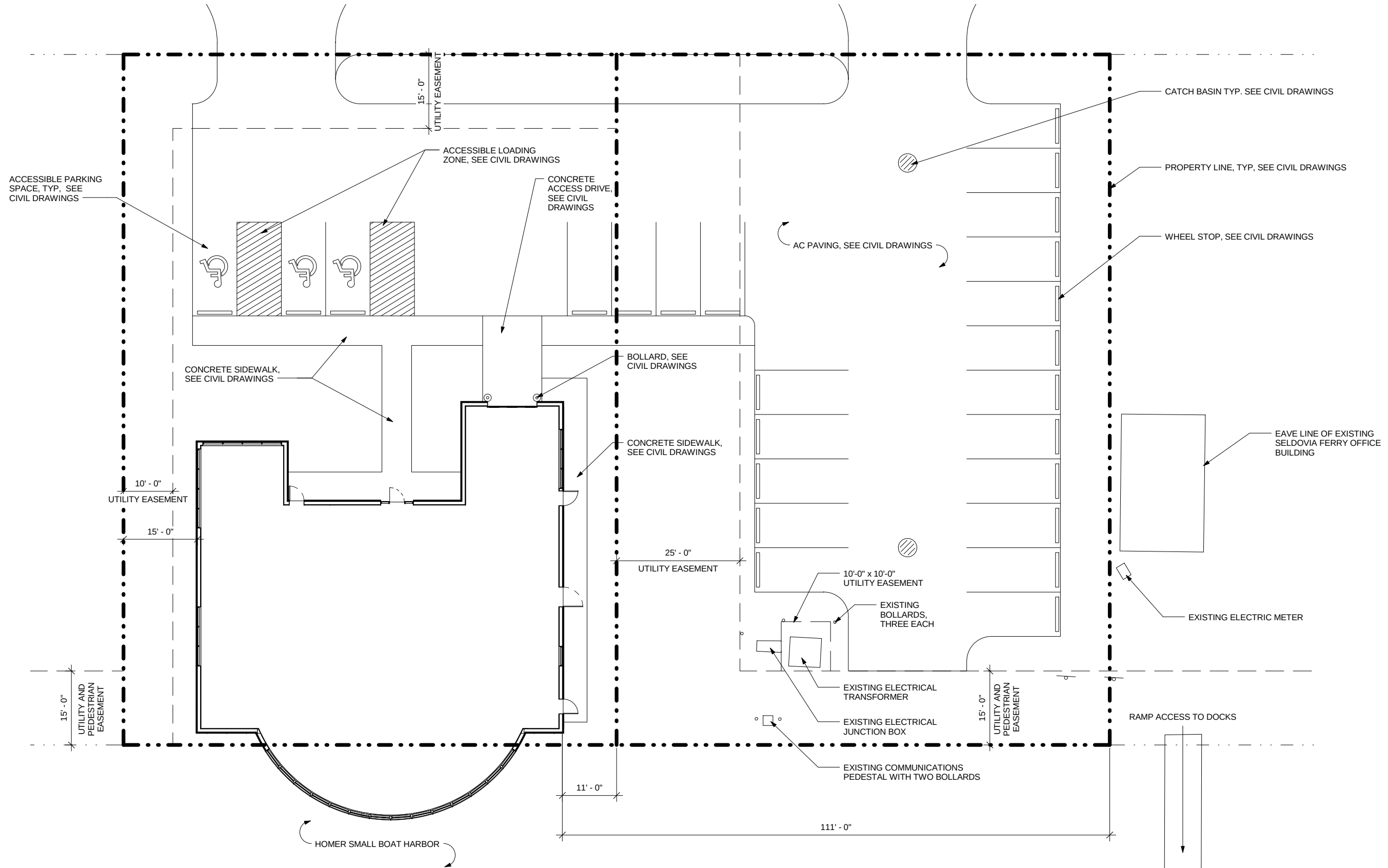
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A1.0

SHEET CONTENTS
ARCHITECTURAL
SITE PLAN -
OVERALL AND SITE
SECTION

FREIGHT DOCK ROAD



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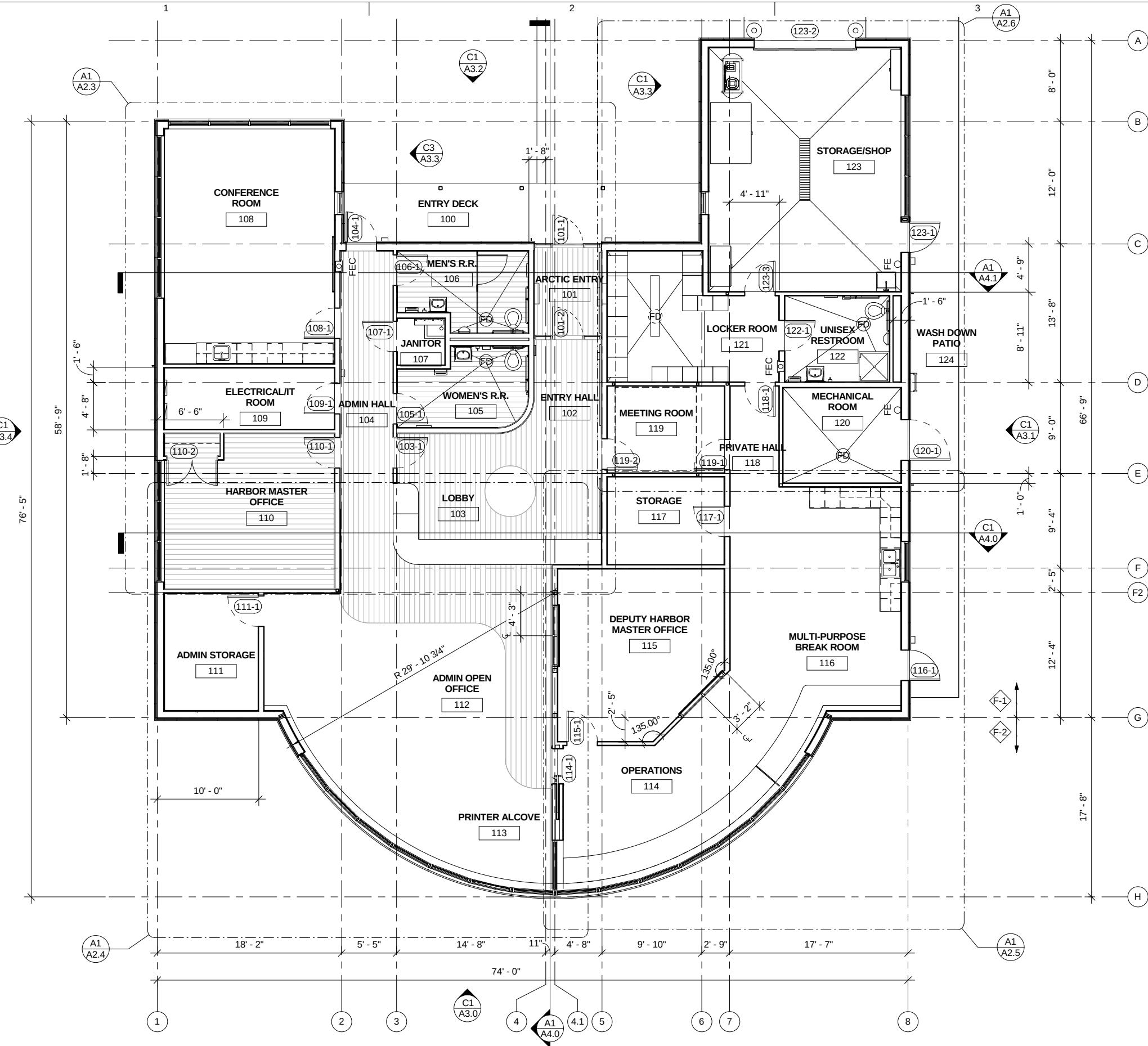
A1.1

SHEET CONTENTS
ARCHITECTURAL
SITE PLAN -
ENLARGEDA1
A1.1

ARCHITECTURAL SITE PLAN - ENLARGED

1" = 10'-0" (22x34); 1" = 20'-0" (11x17)

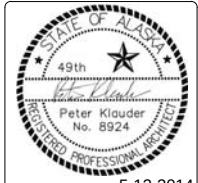




A1
A2.0

FLOOR PLAN

3/16" = 1'-0" (22x34); 3/32" = 1'-0" (11x17)



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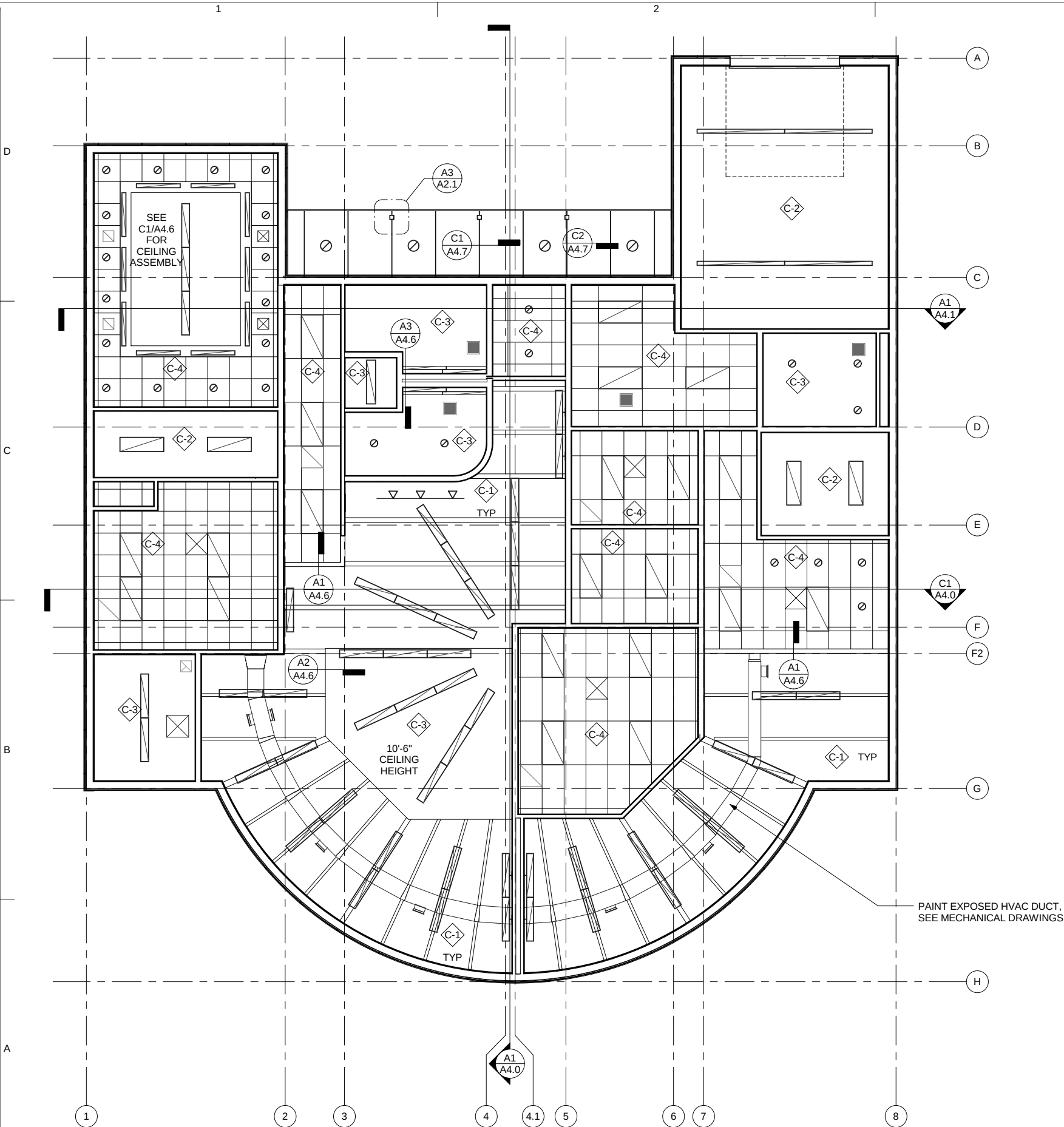
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A2.0

SHEET CONTENTS
FLOOR PLAN

A1
A2.1

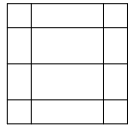
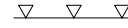
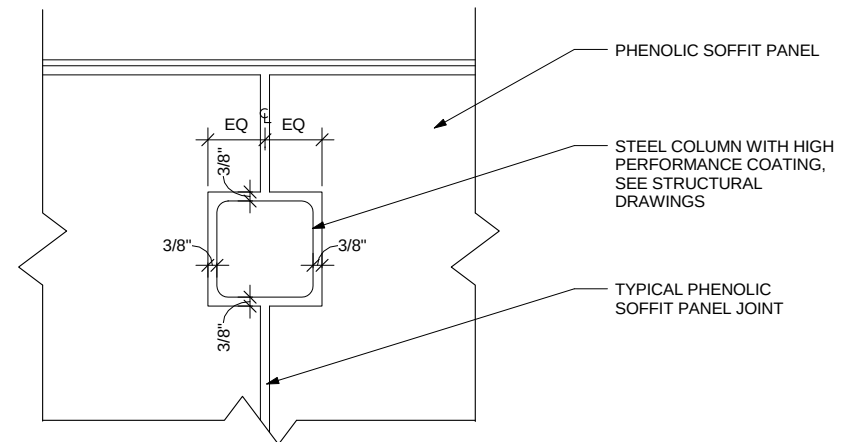
REFLECTED CEILING PLAN

3/16" = 1'-0" (22x34); 3/32" = 1'-0" (11x17)

GENERAL NOTES:

1. SEE SHEET A4.4 FOR CEILING TYPES
2. SEE FINISH SCHEDULE, SHEET A6.2, FOR CEILING HEIGHTS

LEGEND

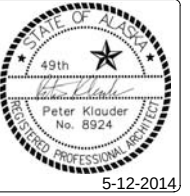
2'x4' AND 2'x2' ACP
CEILING SYSTEMEXPOSED GLB'S WITH GYPSUM
BOARD BETWEEN GLB'S2'x4' LIGHT FIXTURE, SEE
ELECTRICAL DRAWINGSPENDANT, WALL SURFACE, OR
CEILING SURFACE MOUNTED
LIGHT FIXTURE, SEE
ELECTRICAL DRAWINGSCAN LIGHT, SEE
ELECTRICAL DRAWINGSTRACK LIGHT, SEE
ELECTRICAL DRAWINGSRETURN AIR GRILLE, SEE
MECHANICAL DRAWINGSSUPPLY AIR GRILLE, SEE
MECHANICAL DRAWINGSEXHAUST AIR GRILLE, SEE
MECHANICAL DRAWINGS

PHENOLIC SOFFIT PANEL

STEEL COLUMN WITH HIGH
PERFORMANCE COATING,
SEE STRUCTURAL
DRAWINGSTYPICAL PHENOLIC
SOFFIT PANEL JOINTA3
A2.1

COLUMN PENETRATION AT SOFFIT PANELS

3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



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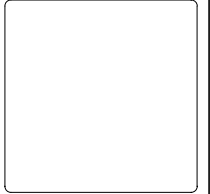
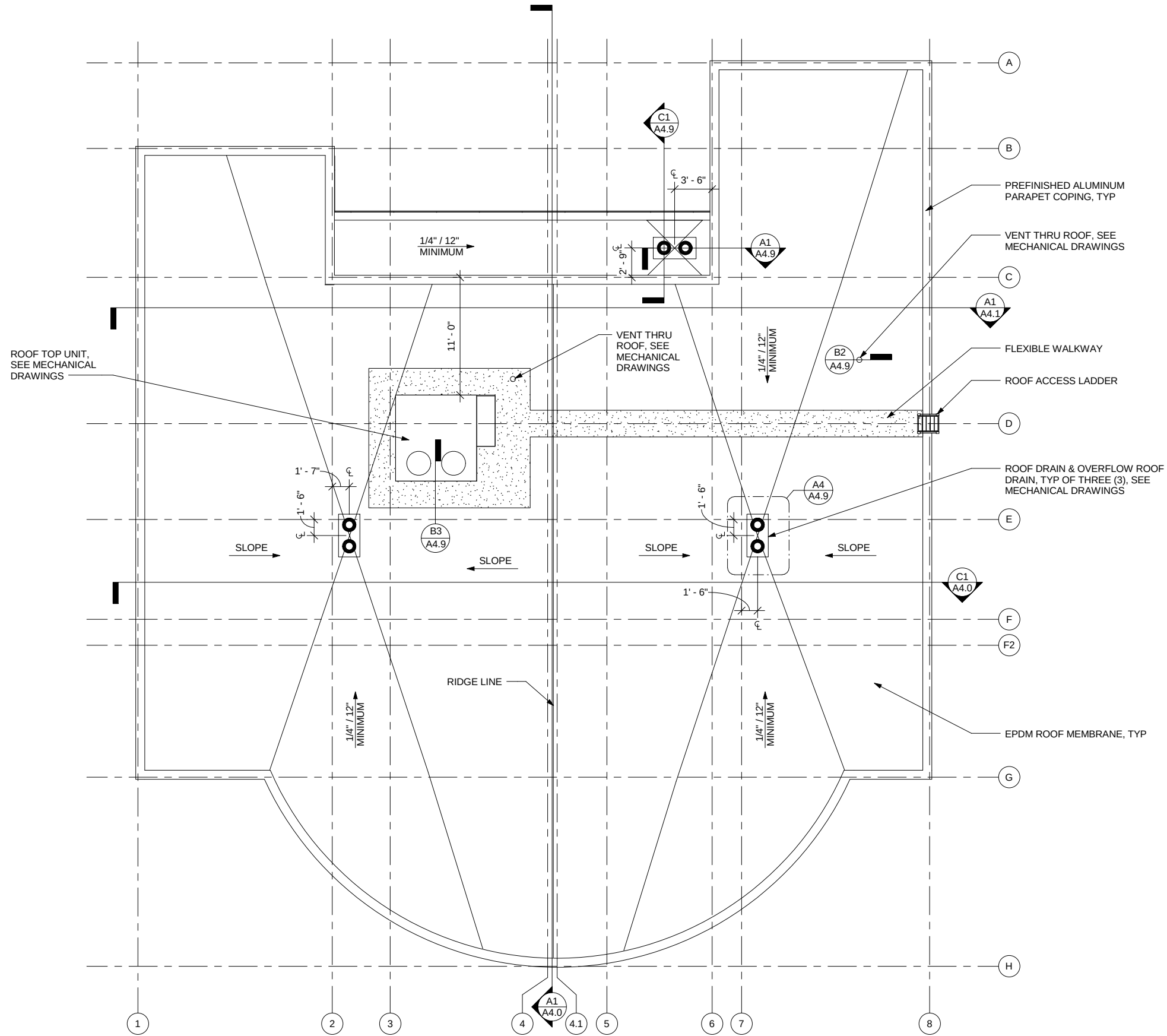
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A2.1

SHEET CONTENTS
REFLECTED
CEILING PLAN



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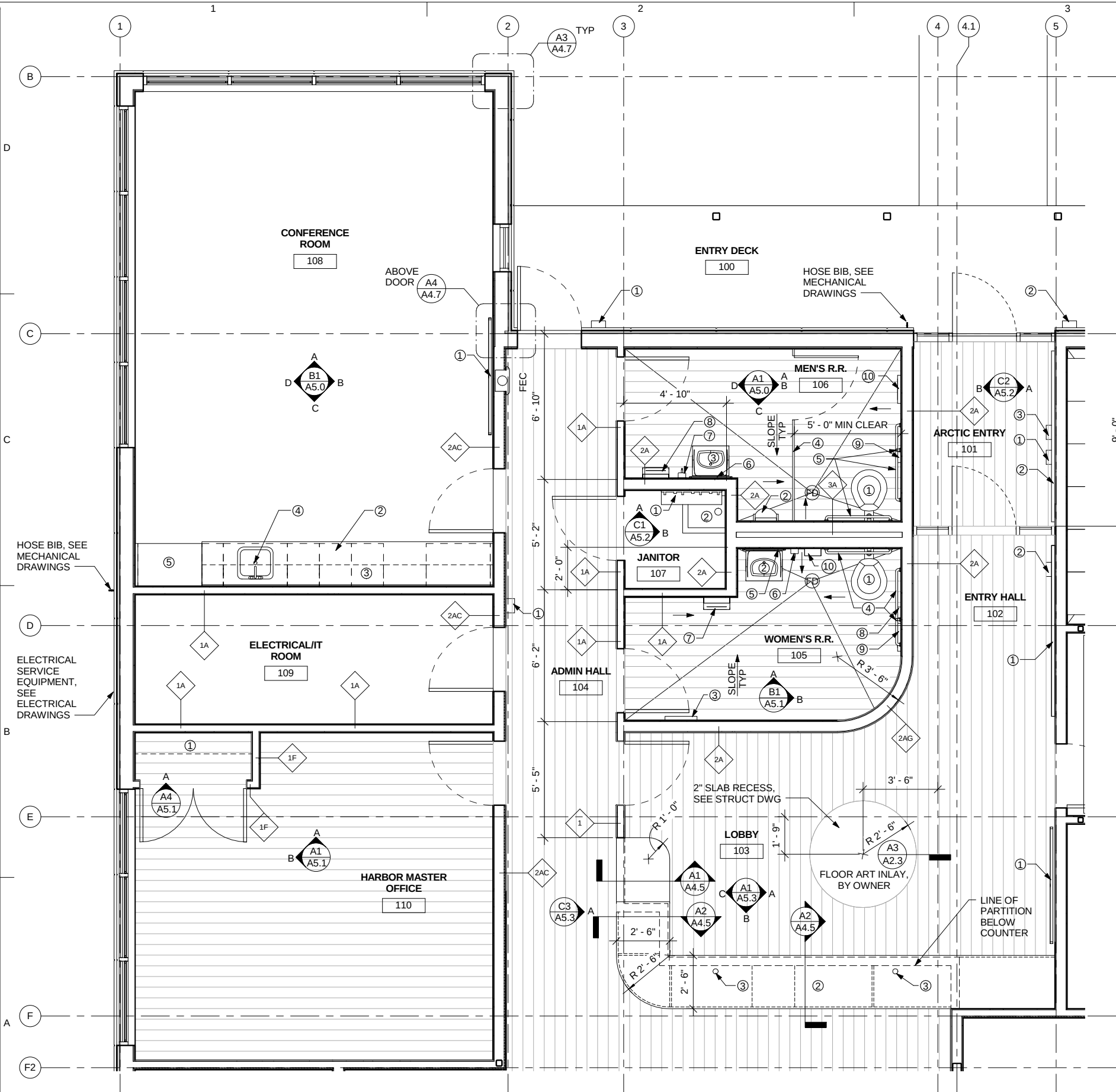
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SHEET NUMBER
A2.2

SHEET CONTENTS
ROOF PLAN

**GENERAL NOTES:**

1. SEE SHEET A4.4 FOR PARTITION TYPES
2. ALL PARTITIONS FULL HEIGHT TO UNDERSIDE OF STRUCTURE ABOVE UNLESS SPECIFICALLY INDICATED OTHERWISE

ENTRY DECK 100:

1. CARD READER, OFCI, SEE ELECTRICAL DRAWINGS
2. ADA DOOR ACTUATOR, ROUGH-IN ONLY, SEE ELECTRICAL DRAWINGS

ARCTIC ENTRY 101:

1. CARD READER, OFCI, SEE ELECTRICAL DRAWINGS
2. 8'x4' BULLETIN BOARD CASE RELOCATED FROM EXISTING BUILDING, OFCI
3. ADA DOOR ACTUATOR, ROUGH-IN ONLY, SEE ELECTRICAL DRAWINGS

ENTRY HALL 102:

1. 8'x4' BULLETIN BOARD CASE RELOCATED FROM EXISTING BUILDING, OFCI
2. ADA DOOR ACTUATOR, ROUGH-IN ONLY, SEE ELECTRICAL DRAWINGS

LOBBY 103:

1. FUTURE WALL MOUNTED FLAT SCREEN MONITOR, ROUGH-IN ONLY, SEE ELECTRICAL DRAWINGS
2. SOLID SURFACE COUNTERTOP
3. CABLE PASS THROUGH HOLE IN COUNTERTOP WITH GROMMET, COORDINATE LOCATION WITH OWNER

ADMIN HALL 104:

1. CARD READER, OFCI, SEE ELECTRICAL DRAWINGS

WOMEN'S R.R. 105:

1. WATER CLOSET, SEE MECHANICAL DRAWINGS
2. LAVATORY, SEE MECHANICAL DRAWINGS
3. RECESSED SANITARY NAPKIN/TAMPON VENDOR
4. SS GRAB BARS
5. 24" x 42" MIRROR WITH SS FRAME
6. SOAP DISPENSER, OFCI
7. PAPER TOWEL DISPENSER, OFCI
8. TOILET TISSUE DISPENSER
9. TOILET SEAT COVER DISPENSER
10. SANITARY NAPKIN DISPOSAL

MEN'S R.R. 106:

1. WATER CLOSET, SEE MECHANICAL DRAWINGS
2. URINAL, SEE MECHANICAL DRAWINGS
3. LAVATORY, SEE MECHANICAL DRAWINGS
4. TOILET COMPARTMENT
5. SS GRAB BARS
6. 24" x 42" MIRROR WITH SS FRAME
7. SOAP DISPENSER, OFCI
8. PAPER TOWEL DISPENSER, OFCI
9. TOILET TISSUE DISPENSER
10. TOILET SEAT COVER DISPENSER

JANITOR 107:

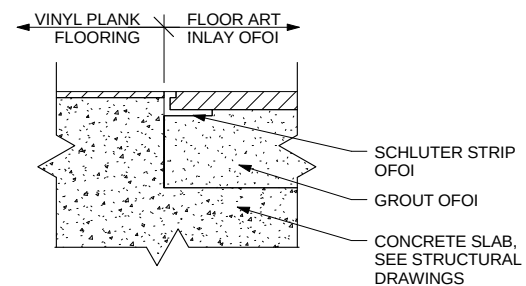
1. SHELF WITH MOP AND BROOM HOLDER
2. FLOOR SINK, SEE MECHANICAL DRAWINGS

CONFERENCE ROOM 108:

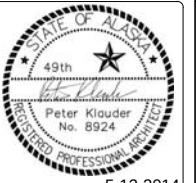
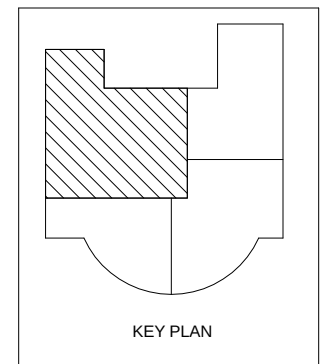
1. FLAT SCREEN MONITOR WITH WALL MOUNT BRACKET, OFCI, SEE ELECTRICAL DRAWINGS
2. PULL-OUT WASTE CONTAINER BASE CABINET
3. UPPER CABINETS, BASE CABINETS, AND SOLID SURFACE COUNTERTOP WITH BACKSPLASH
4. SINK, SEE MECHANICAL DRAWINGS
5. WARDROBE CABINET

HARBOR MASTER OFFICE 110:

1. CLOSET ORGANIZER SYSTEM



A3
A2.3 FLOOR TRANSITION DETAIL
6" = 1'-0" (22x34); 3" = 1'-0" (11x17)



5-12-2014

HOMER HARBOR
MASTER'S OFFICE

PROJECT:

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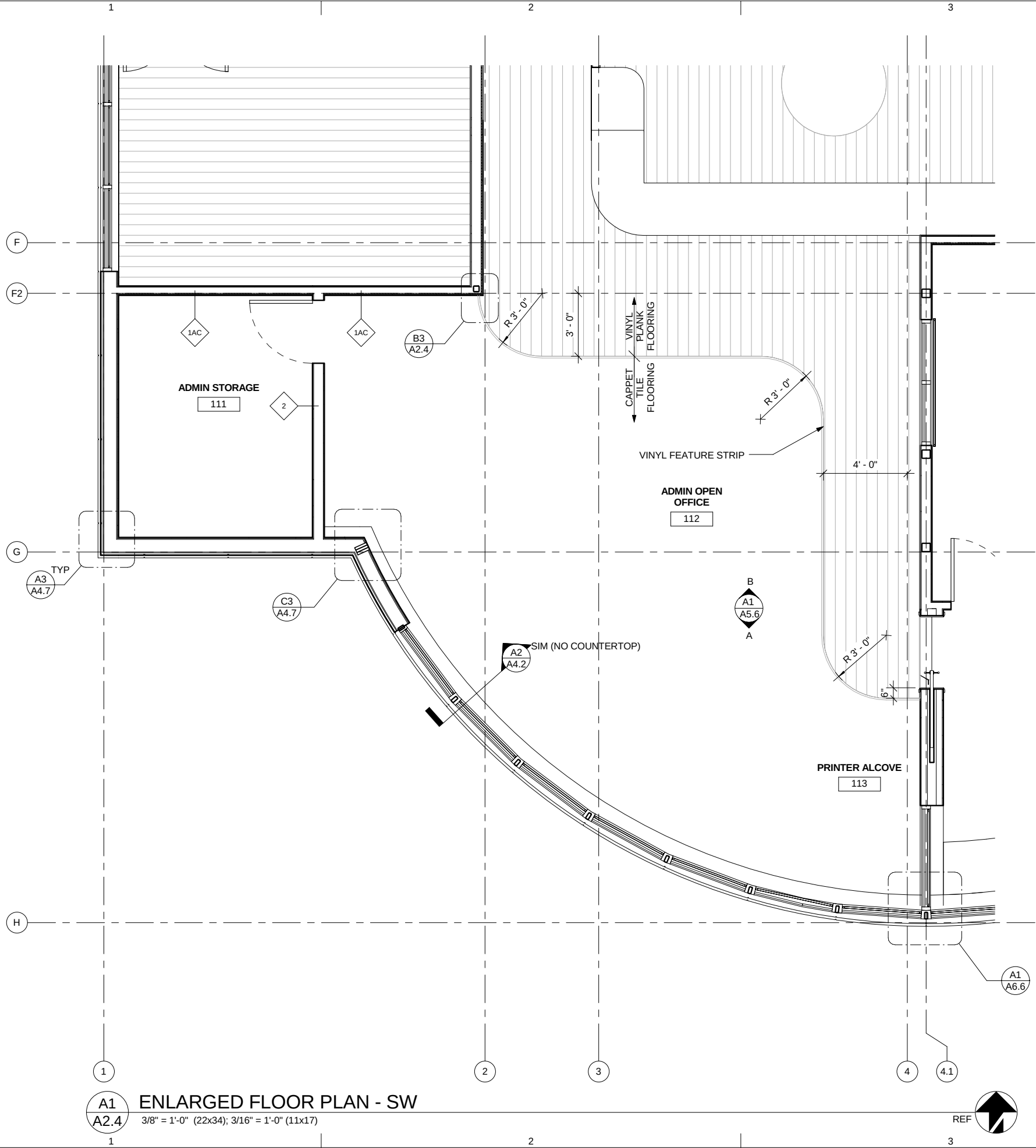
CLIENT:

Klauder & Company
Architects, Inc.606 Petersen Way
Kenai, AK 99611
Office: (907) 283-1919 Fax: (907) 283-0450
klauder@alaska.net

DESIGN BY:	PK
DRAWN:	BC, SY
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JOB NO:	1325
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REVISIONS:	
NO.	DATE

SHEET NUMBER

A2.3SHEET CONTENTS
ENLARGED FLOOR
PLAN - NW



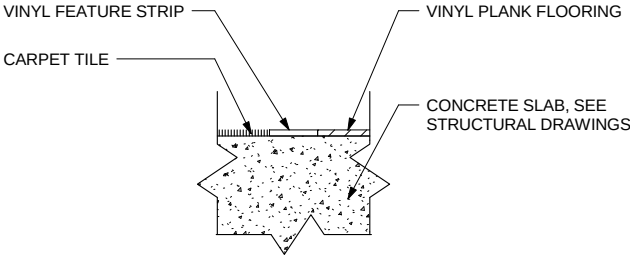
A1
A2.4

ENLARGED FLOOR PLAN - SW

3/8" = 1'-0" (22x34); 3/16" = 1'-0" (11x17)

GENERAL NOTES:

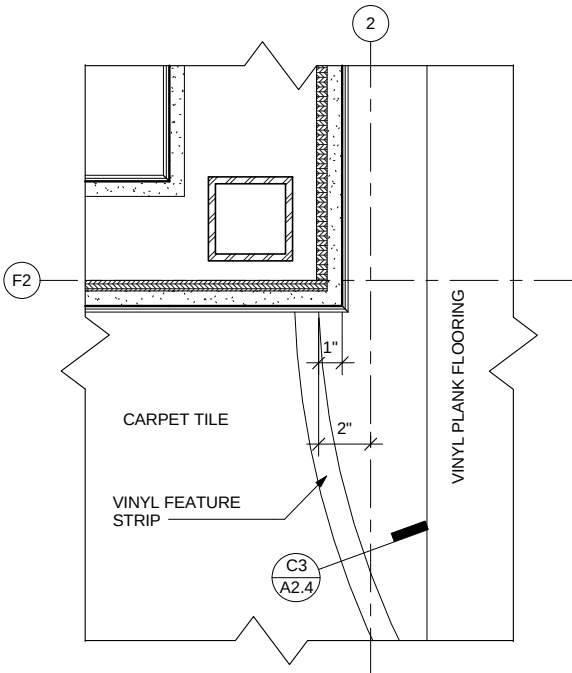
1. SEE SHEET A4.4 FOR PARTITION TYPES
2. ALL PARTITIONS FULL HEIGHT TO UNDERSIDE OF STRUCTURE ABOVE UNLESS SPECIFICALLY INDICATED OTHERWISE



C3
A2.4

FLOOR TRANSITION DETAIL

6" = 1'-0" (22x34); 3" = 1'-0" (11x17)



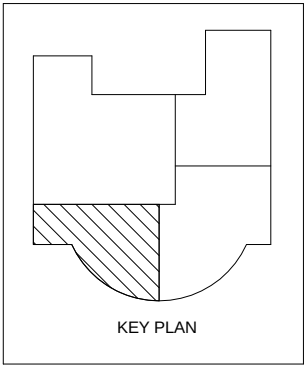
B3
A2.4

FLOOR TRANSITION DETAIL

3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



LEGEND	
	VINYL PLANK FLOORING



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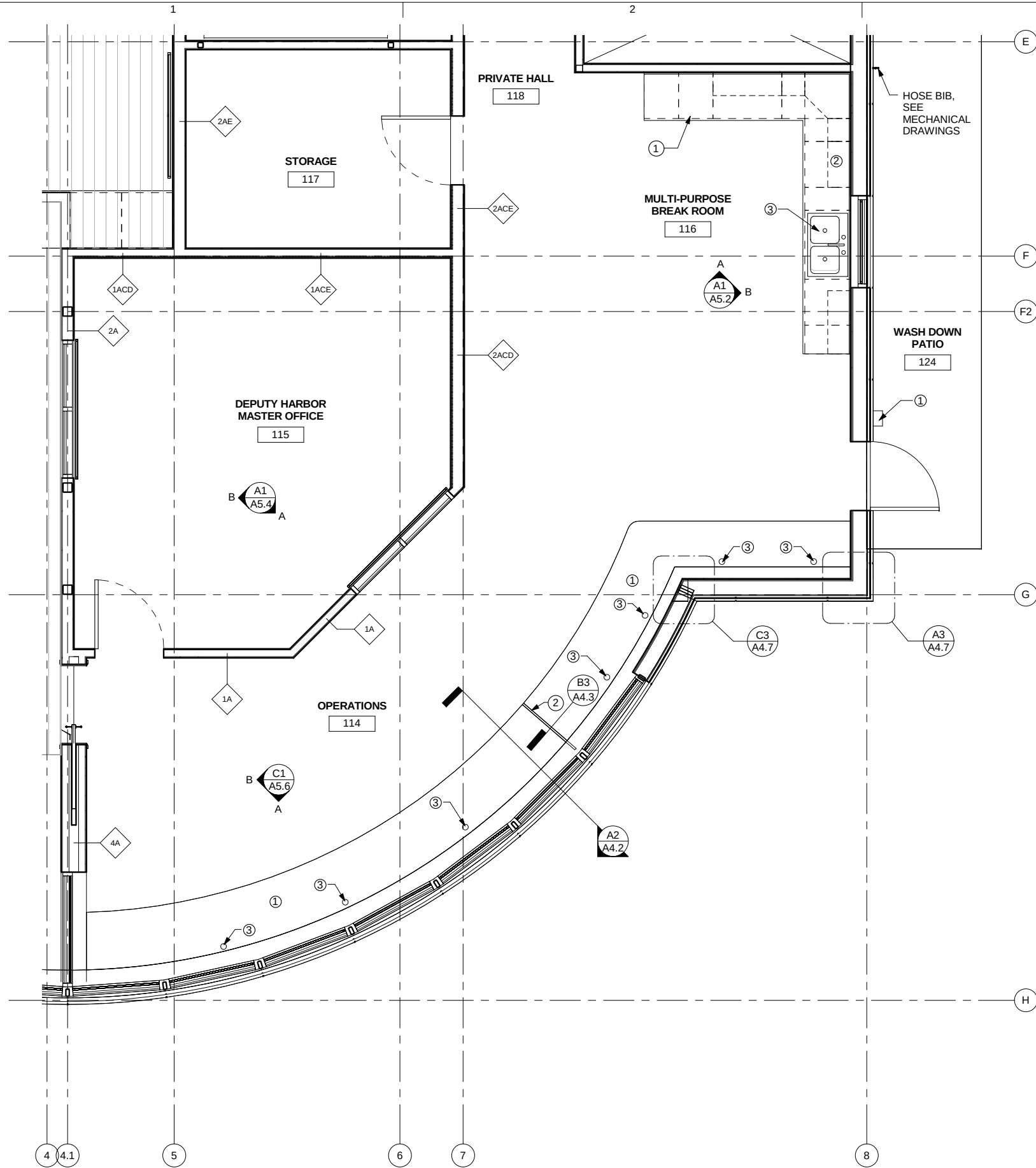
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SHEET NUMBER
A2.4

SHEET CONTENTS
ENLARGED FLOOR
PLAN - SW

**GENERAL NOTES:**

1. SEE SHEET A4.4 FOR PARTITION TYPES
2. ALL PARTITIONS FULL HEIGHT TO UNDERSIDE OF STRUCTURE ABOVE UNLESS SPECIFICALLY INDICATED OTHERWISE

OPERATIONS 114:

1. SOLID SURFACE COUNTERTOP
2. VERTICAL PARTITION
3. CABLE PASS THROUGH HOLE IN COUNTERTOP WITH GROMMET, COORDINATE LOCATION WITH OWNER

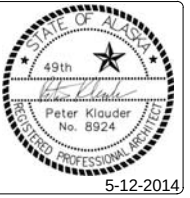
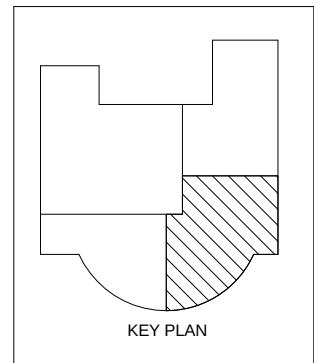
MULTI-PURPOSE BREAK ROOM 116:

1. PULL-OUT WASTE CONTAINER IN BASE CABINET
2. UPPER CABINETS, BASE CABINETS, AND SOLID SURFACE COUNTERTOP WITH BACKSPLASH
3. SINK WITH OFCI GARBAGE DISPOSAL, SEE MECHANICAL AND ELECTRICAL DRAWINGS

WASH DOWN PATIO 124:

1. CARD READER, OFCI, SEE ELECTRICAL DRAWINGS

LEGEND	
	VINYL PLANK FLOORING

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CLIENT:

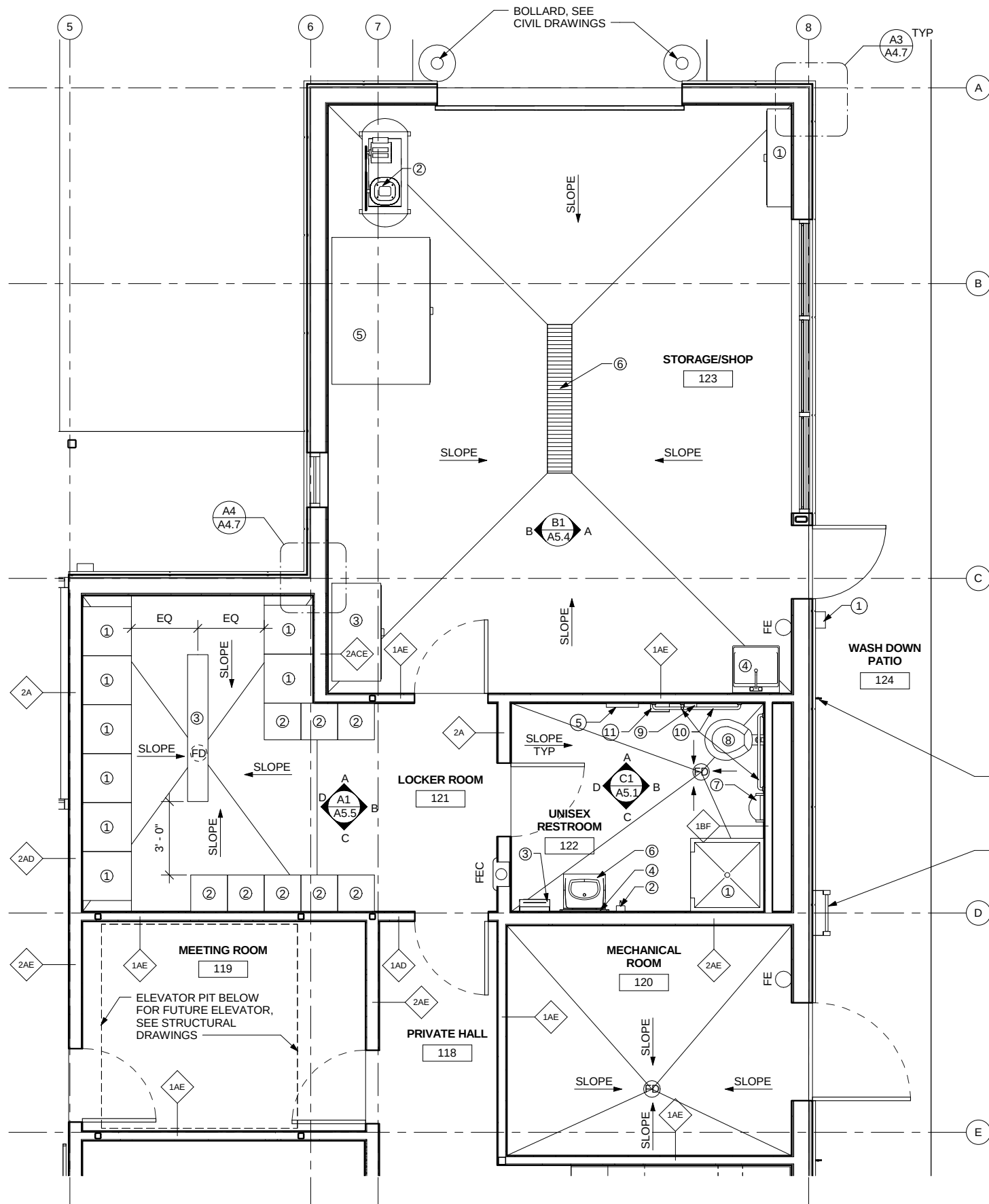
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SHEET NUMBER

A2.5

SHEET CONTENTS
ENLARGED FLOOR
PLAN - SE



GENERAL NOTES:

1. SEE SHEET A4.4 FOR PARTITION TYPES
2. ALL PARTITIONS FULL HEIGHT TO UNDERSIDE OF STRUCTURE ABOVE UNLESS SPECIFICALLY INDICATED OTHERWISE

LOCKER ROOM 121:

1. (8) LARGE METAL LOCKERS (24" x 24")
2. (8) SMALL METAL LOCKERS (18" x 18")
3. BENCH (10" WIDE x 6' LONG)

UNISEX RESTROOM 122:

1. SHOWER ENCLOSURE AND BASE, SEE MECHANICAL DRAWINGS
2. SOAP DISPENSER, OFCI
3. PAPER TOWEL DISPENSER, OFCI
4. 24" x 42" MIRROR WITH SS FRAME
5. TOILET SEAT COVER DISPENSER
6. LAVATORY, SEE MECHANICAL DRAWINGS
7. URINAL, SEE MECHANICAL DRAWINGS
8. WATER CLOSET, SEE MECHANICAL DRAWINGS
9. TOILET TISSUE DISPENSER
10. SS GRAB BARS
11. SANITARY NAPKIN DISPOSAL

STORAGE/SHOP 123:

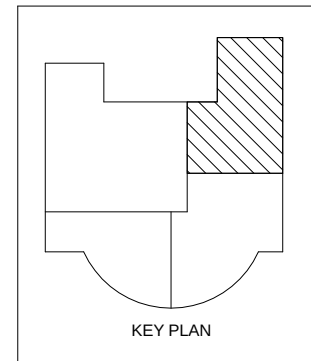
1. WALL MOUNTED HARDWARE BIN STORAGE, OFCI
2. FLOOR MOUNTED AIR COMPRESSOR WITH OVERHEAD LINES, OFCI, SEE MECHANICAL AND ELECTRICAL DRAWINGS
3. POWER TOOL CABINET, OFCI
4. UTILITY SINK, SEE MECHANICAL DRAWINGS
5. PAINT STORAGE CABINET, OFCI
6. EVAPORATOR PIT WITH STEEL GRATE, SEE STRUCTURAL DRAWINGS

WASH DOWN PATIO 124:

1. CARD READER, OFCI, SEE ELECTRICAL DRAWINGS

HOSE BIB, SEE
MECHANICAL
DRAWINGS

ROOF ACCESS LADDER, SEE B2/A4.7



A1
A2.6 ENLARGED FLOOR PLAN - NE
3/8" = 1'-0" (22x34); 3/16" = 1'-0" (11x17)

REF



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HOMER, ALASKA 99603

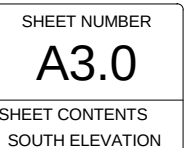
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Architects, Inc.

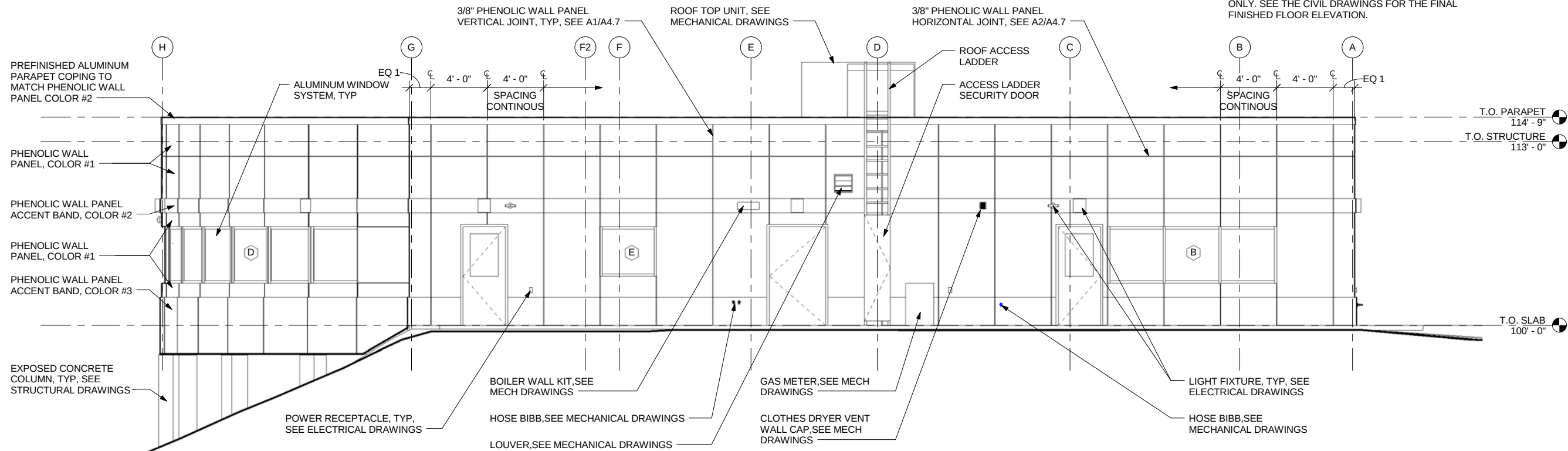
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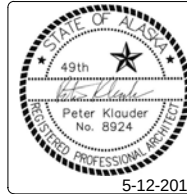
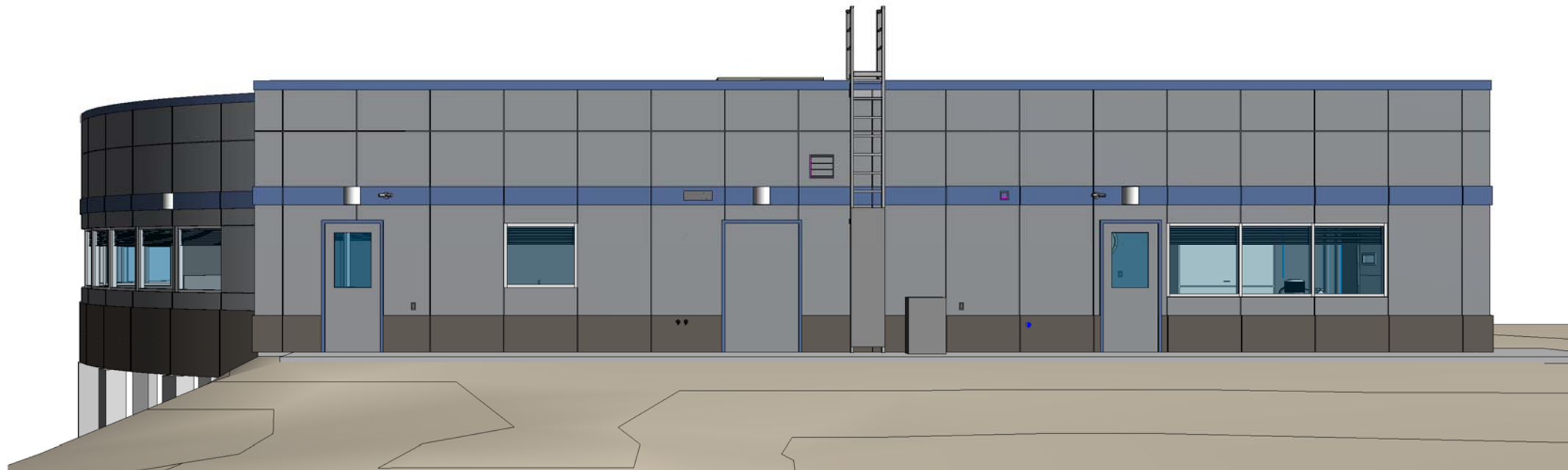
SHEET NUMBER
A2.6

SHEET CONTENTS
ENLARGED FLOOR
PLAN - NE





C1 EAST ELEVATION
A3.1 1/4" = 1'-0" (22x34); 1/8" = 1'-0" (11x17)



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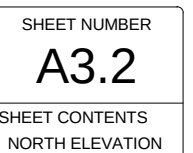
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REVISIONS:

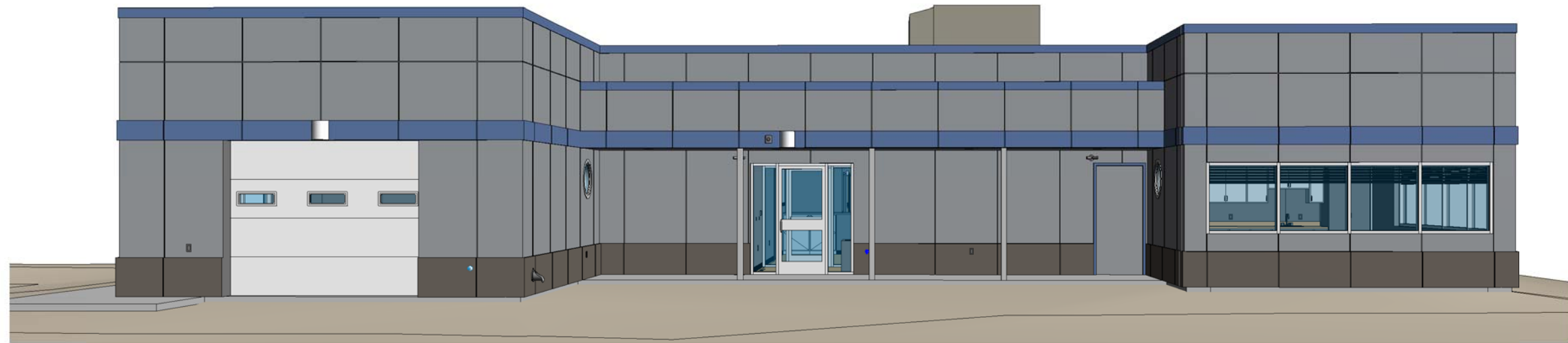
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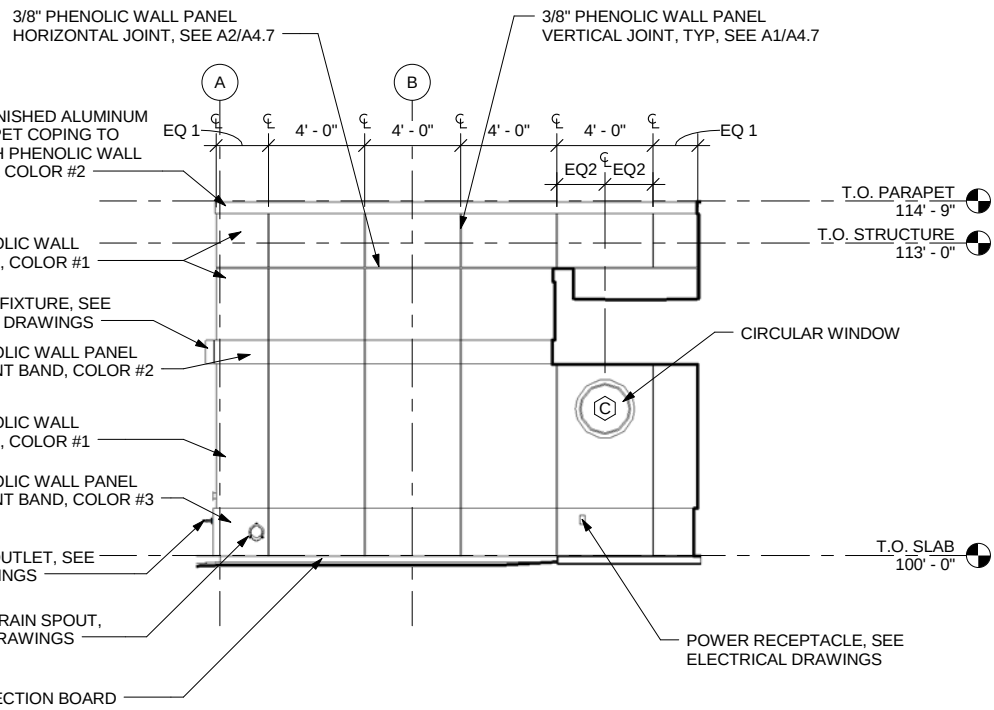
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A3.1

SHEET CONTENTS
EAST ELEVATION

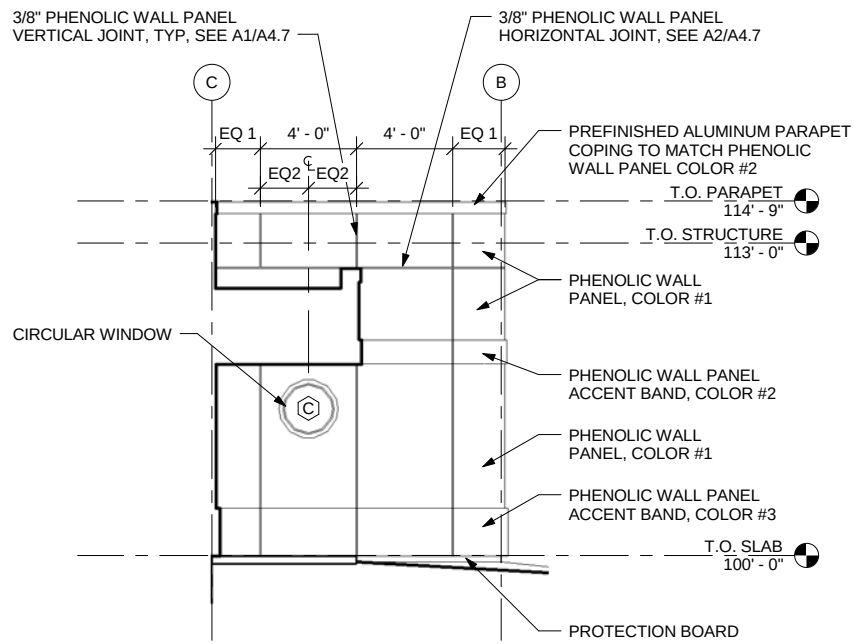
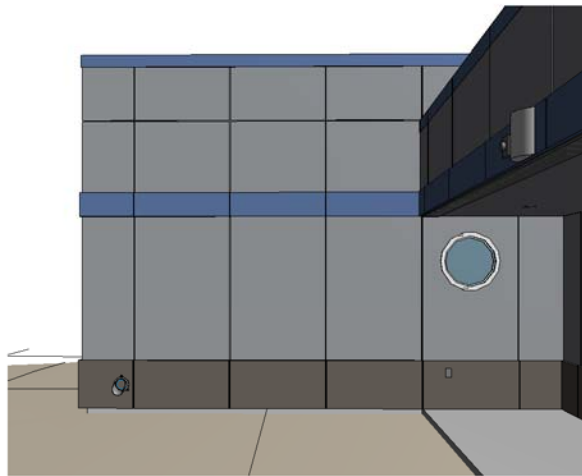


C1 NORTH ELEVATION
A3.2 1/4" = 1'-0" (22x34); 1/8" = 1'-0" (11x17)

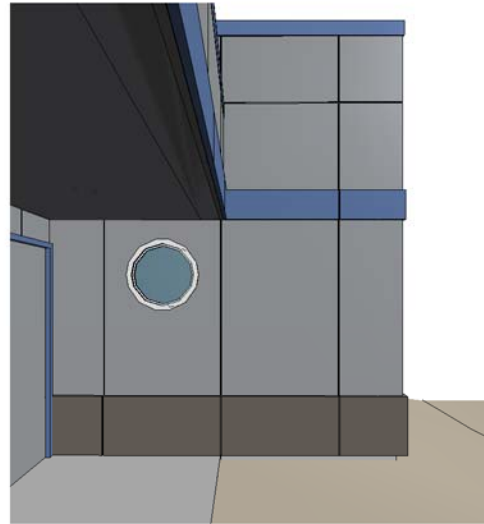




C1
A3.3 ENTRY DECK ELEVATION EAST
1/4" = 1'-0" (22x34); 1/8" = 1'-0" (11x17)



C3
A3.3 ENTRY DECK ELEVATION WEST
1/4" = 1'-0" (22x34); 1/8" = 1'-0" (11x17)

**GENERAL NOTES:**

1. SEE SHEET A6.1 FOR WINDOW/RELITE TYPES.
2. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.



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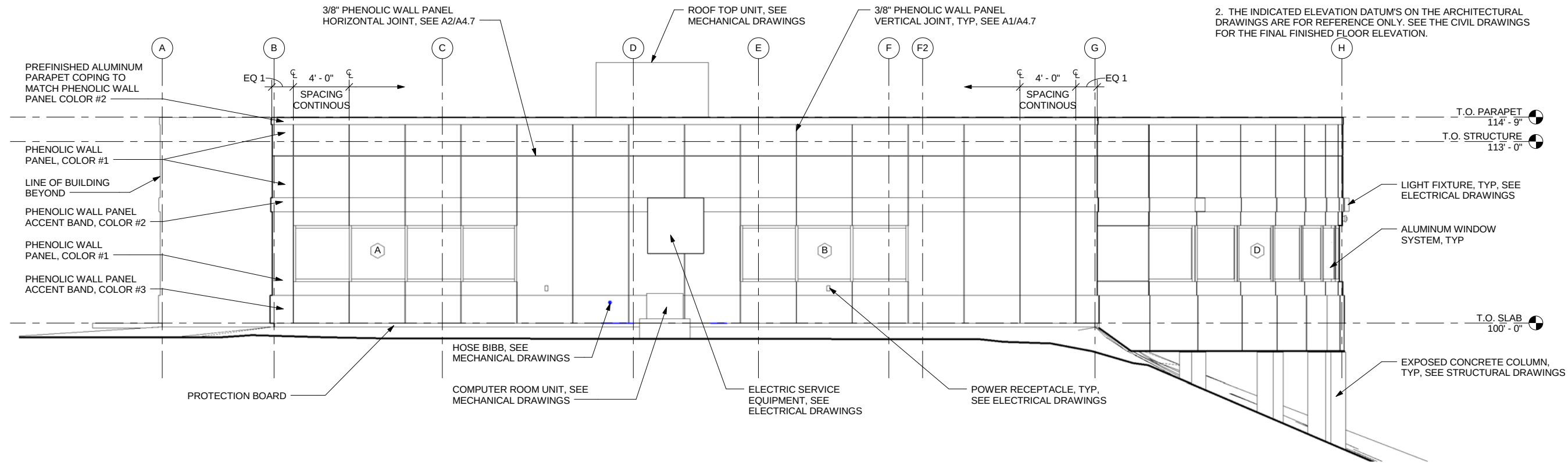
CITY OF HOMER
491 E. PIONEER AVENUE
HOMER, ALASKA 99603

**Klauder & Company
Architects, Inc.**

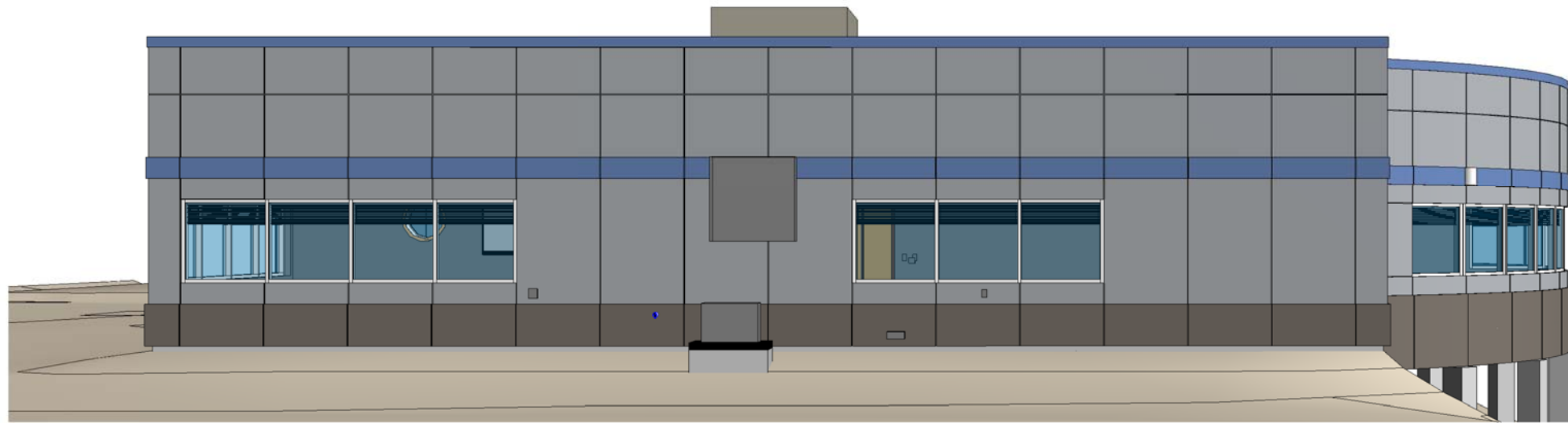
606 Petersen Way
Kenai, AK 99611
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klauder@alaska.net

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SHEET NUMBER
A3.3
SHEET CONTENTS
ENTRY DECK
ELEVATIONS



C1 WEST ELEVATION
A3.4 1/4" = 1'-0" (22x34); 1/8" = 1'-0" (11x17)

**GENERAL NOTES:**

1. SEE SHEET A6.1 FOR WINDOW/RELITE TYPES.
2. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.



5-12-2014

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klauder@alaska.net

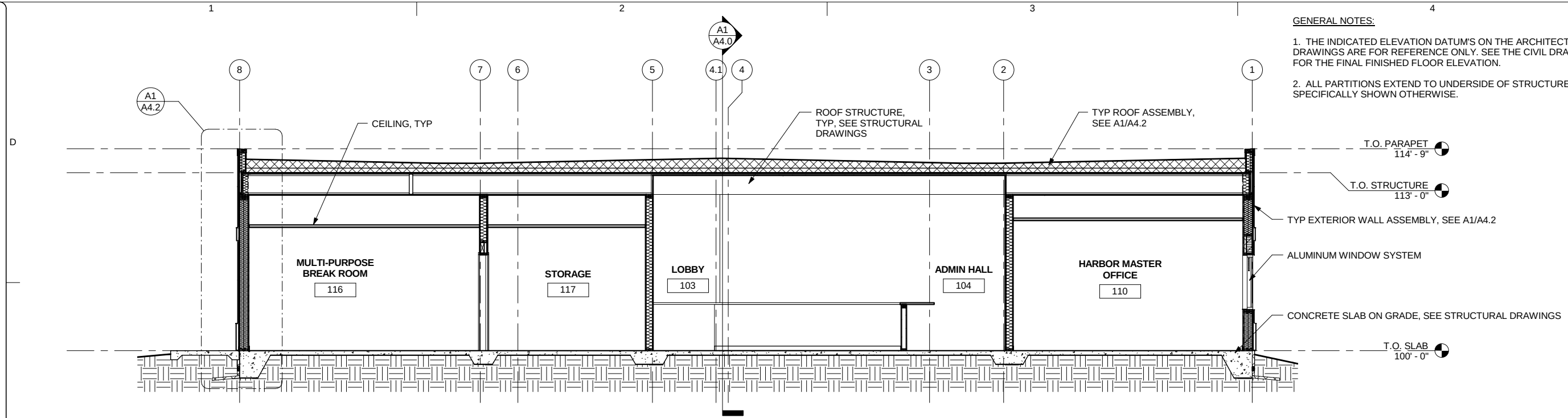
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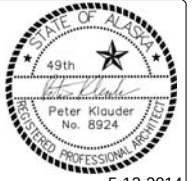
SHEET CONTENTS
WEST ELEVATION



C1
A4.0 **BUILDING SECTION**
1/4" = 1'-0" (22x34); 1/8" = 1'-0" (11x17)

GENERAL NOTES:

1. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.
2. ALL PARTITIONS EXTEND TO UNDERSIDE OF STRUCTURE UNLESS SPECIFICALLY SHOWN OTHERWISE.



HOMER HARBOR
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491 E. PIONEER AVENUE
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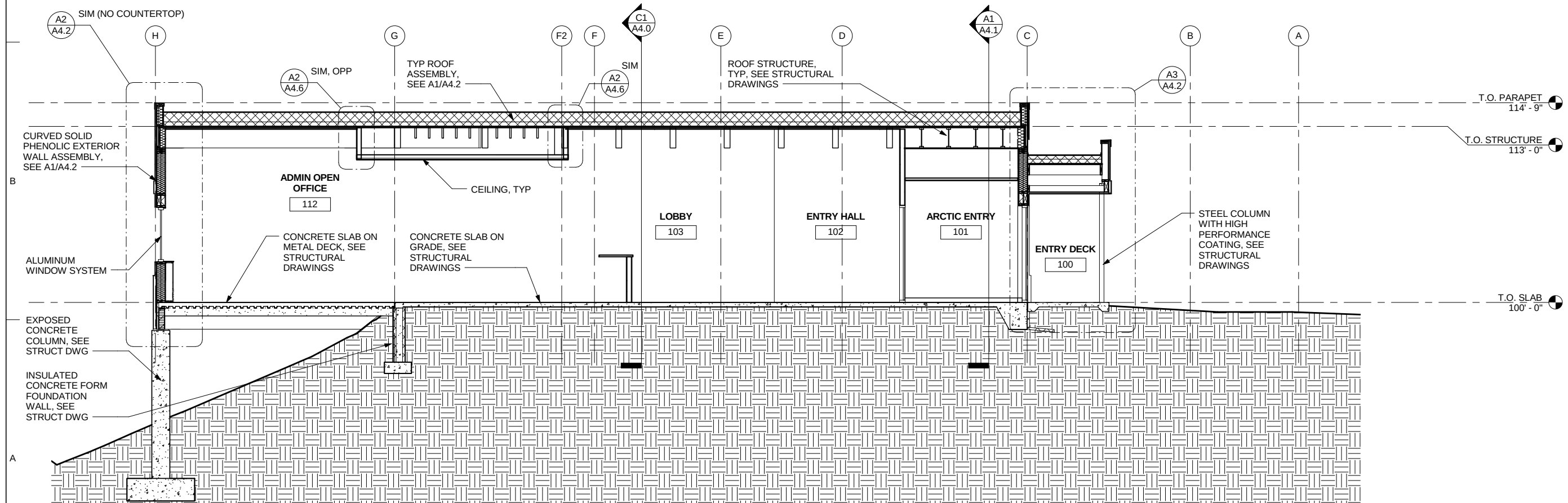
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Office: (907) 283-1919 Fax: (907) 283-0450
klaunder@alaska.net

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A4.0

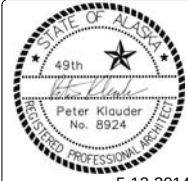
SHEET CONTENTS
BUILDING SECTIONS



A1
A4.0 **BUILDING SECTION**
1/4" = 1'-0" (22x34); 1/8" = 1'-0" (11x17)

GENERAL NOTES:

1. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.
2. ALL PARTITIONS EXTEND TO UNDERSIDE OF STRUCTURE UNLESS SPECIFICALLY SHOWN OTHERWISE.

HOMER HARBOR
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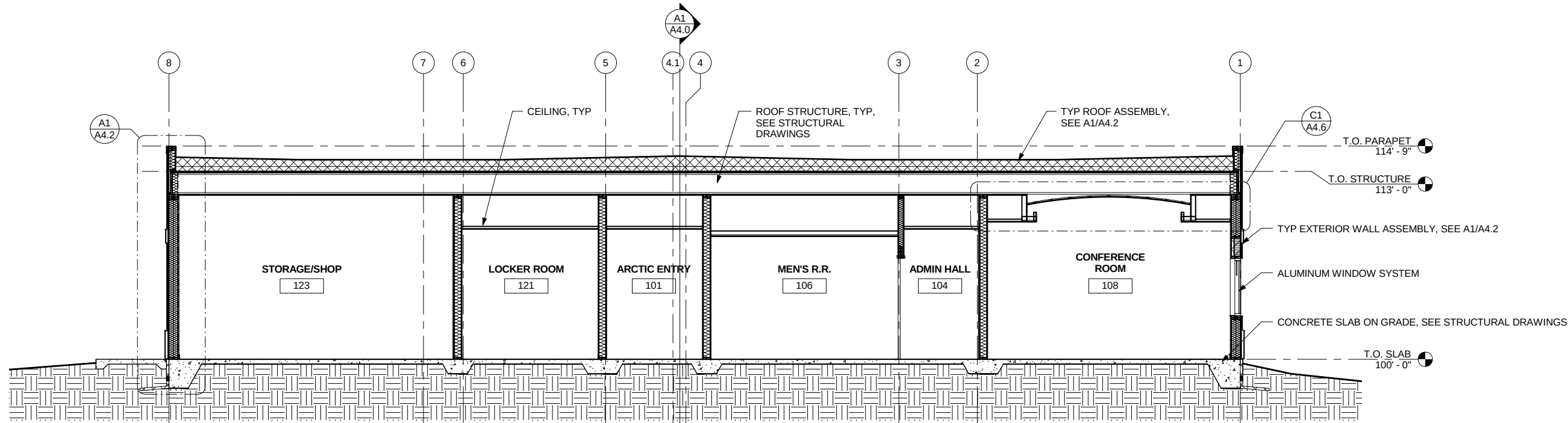
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JOB NO: 1325
DATE: 5-12-2014REVISIONS:
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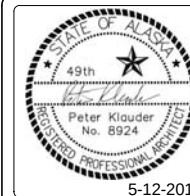
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A4.1

SHEET CONTENTS
BUILDING SECTIONSA1
A4.1

BUILDING SECTION

1/4" = 1'-0" (22x34); 1/8" = 1'-0" (11x17)



5-12-201

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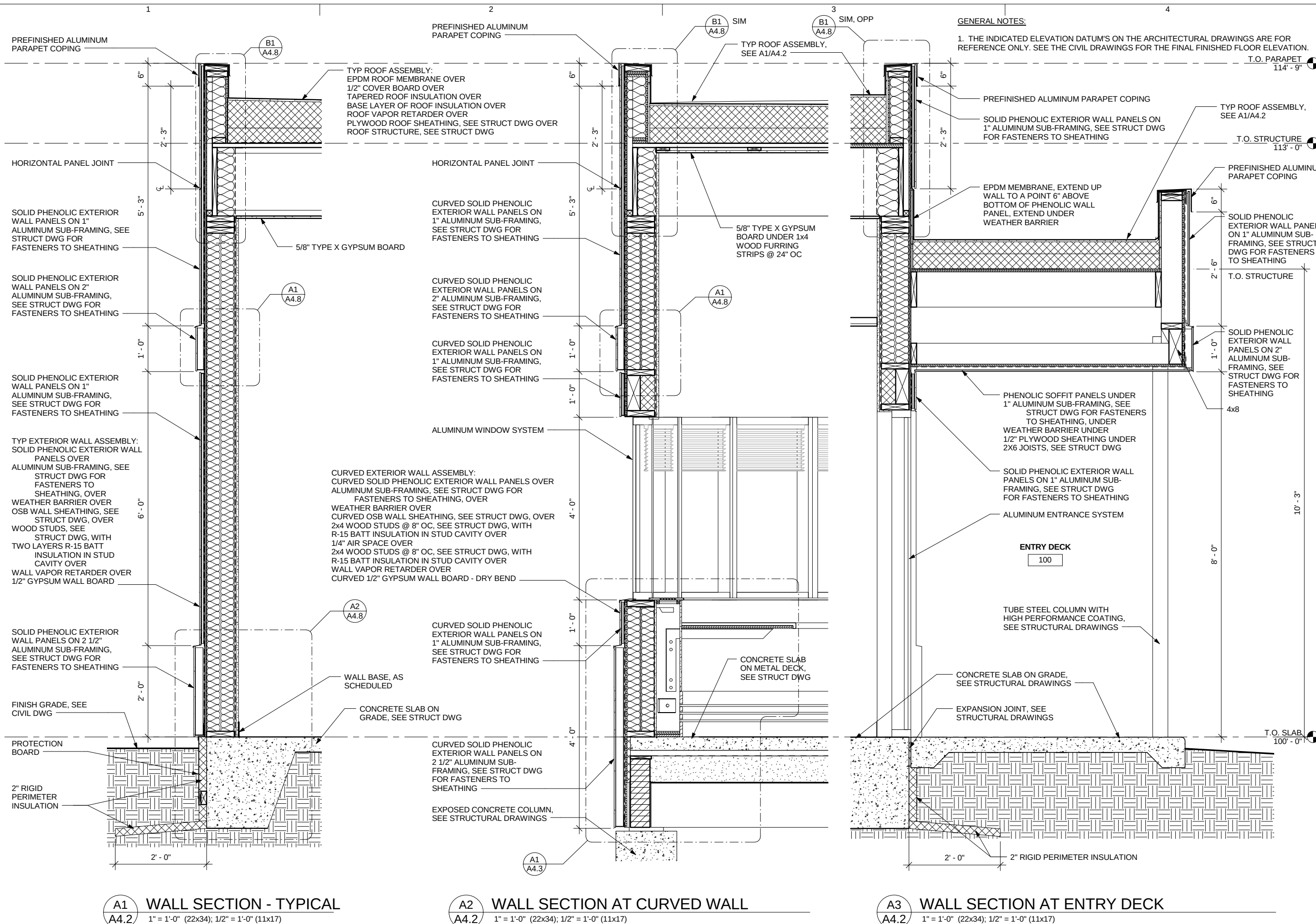
606 Petersen Way
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DATE:	5-12-201
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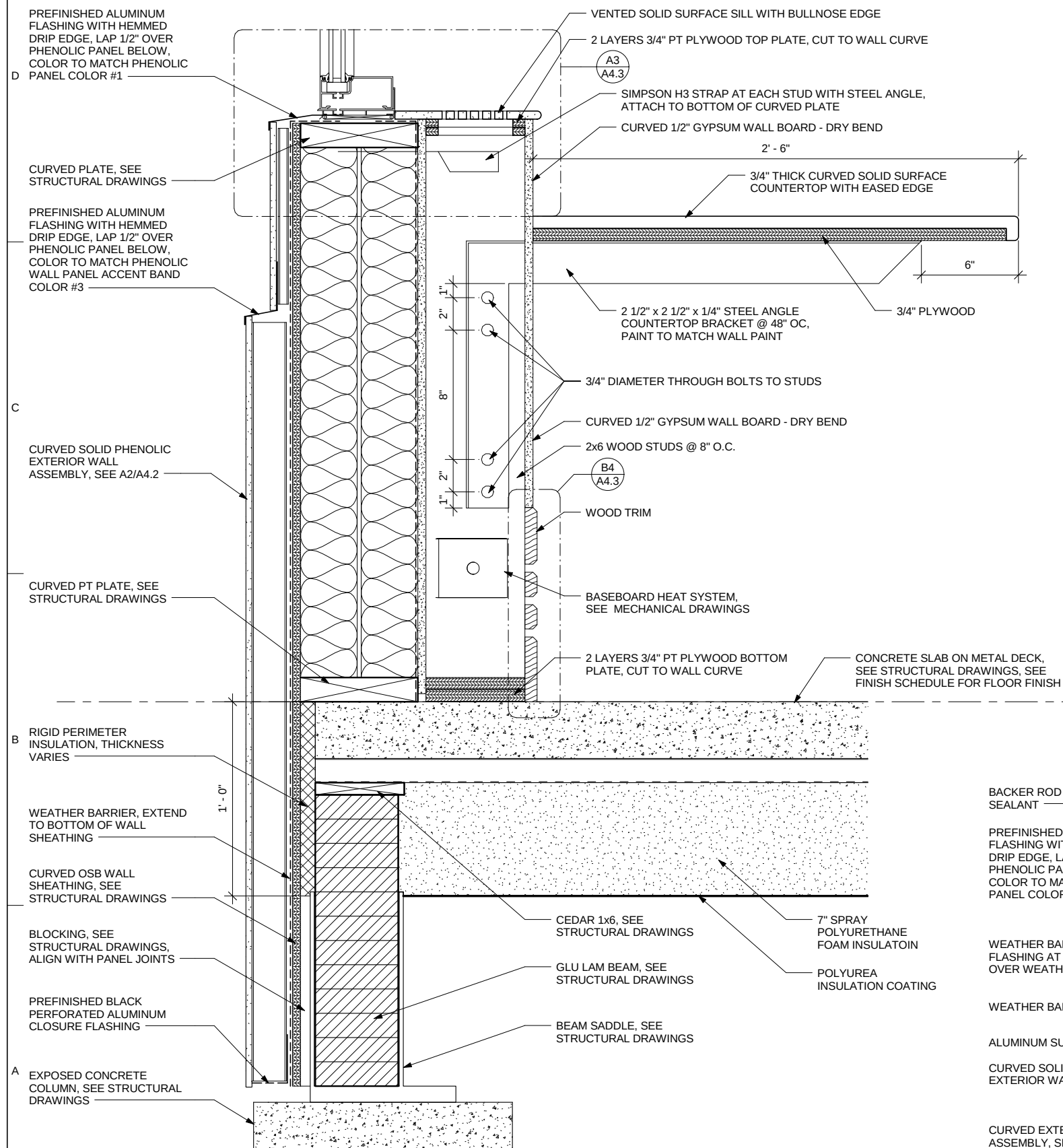
SHEET CONTENTS



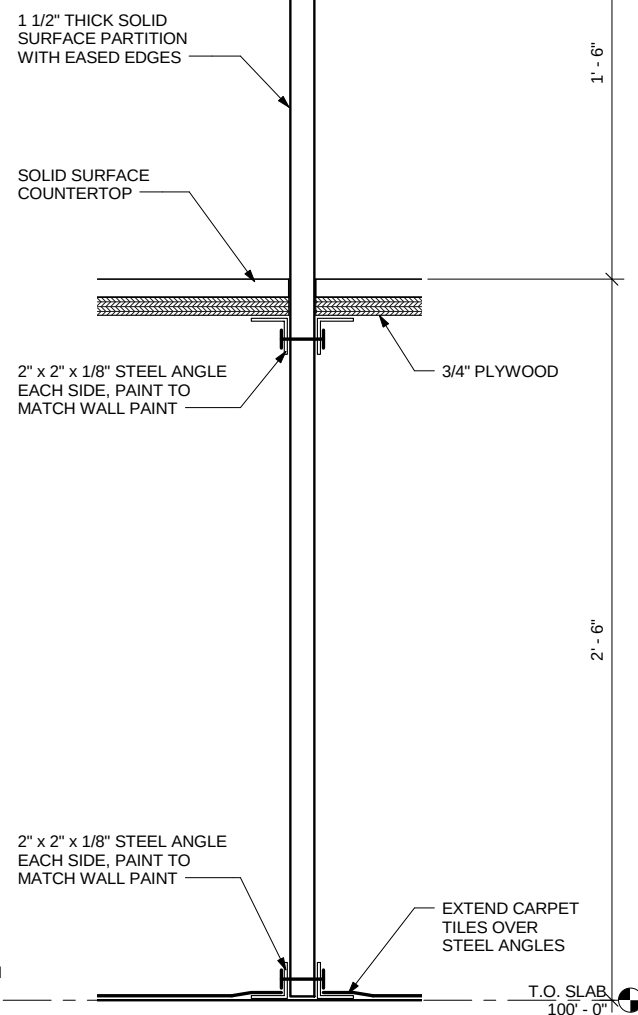
WALL SECTION - TYPICAL

A2 A4.2 WALL SECTION AT CURVED WALL 1" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)

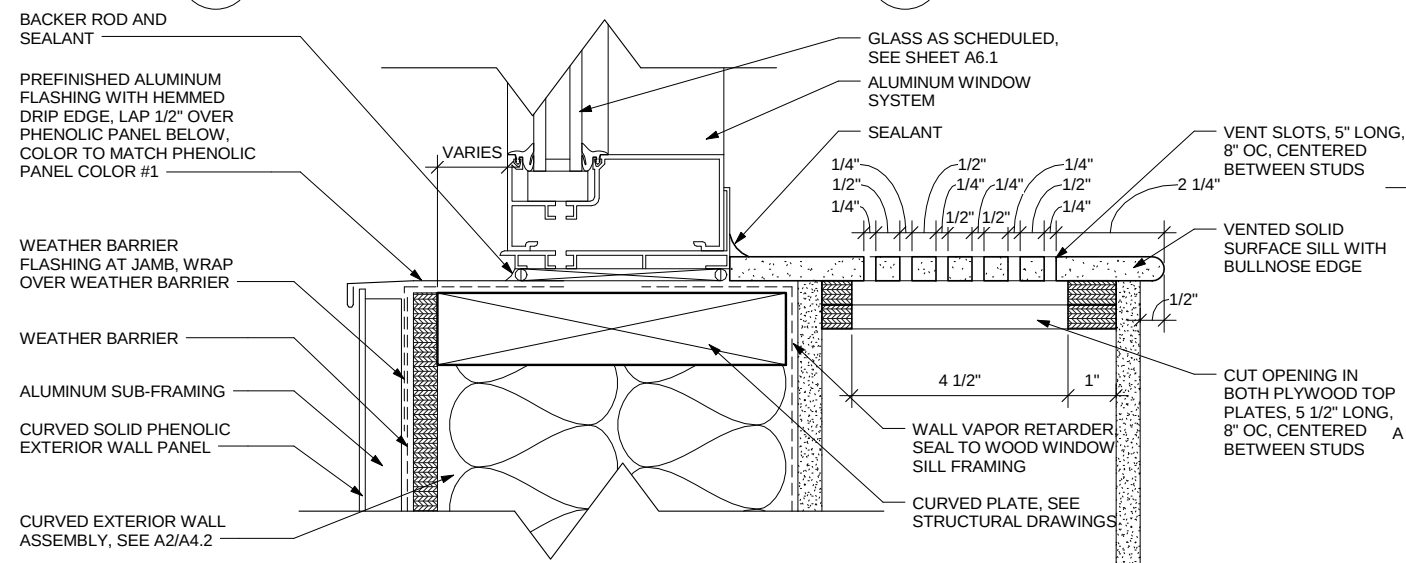
A3 WALL SECTION AT ENTRY DECK
A4.2 1" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)



A1 CURVED WALL BASE DETAIL



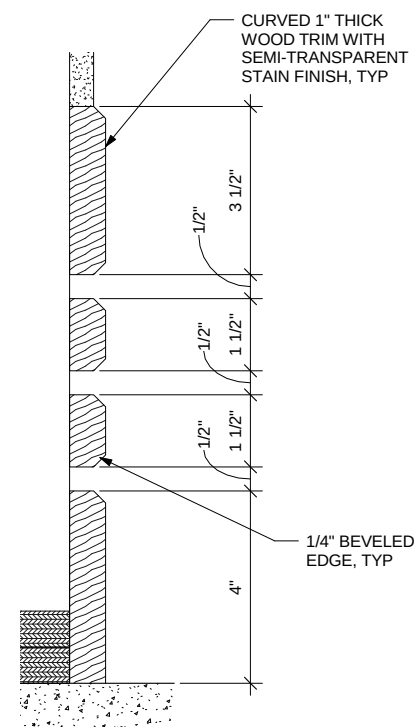
B3 CURVED WORK COUNTER DETAIL



A3	VENTED SOLID SURFACE SILL
A4.3	6" = 1'-0" (22x34); 3" = 1'-0" (11x17)

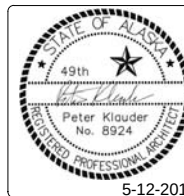
GENERAL NOTES:

1. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.



WOOD BASEBOARD TRIM DETAIL

6" = 1'-0" (22x34); 3" = 1'-0" (11x17)



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HOMER, ALASKA 99601

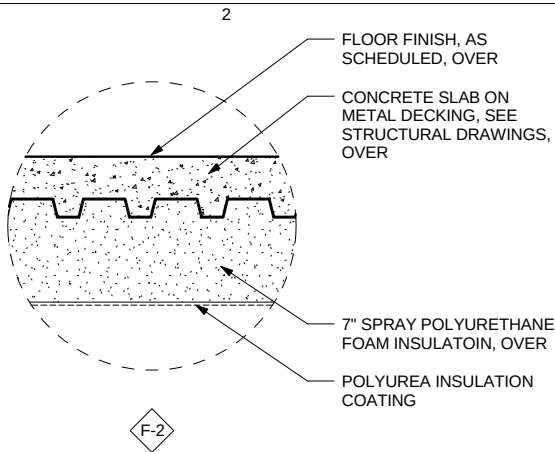
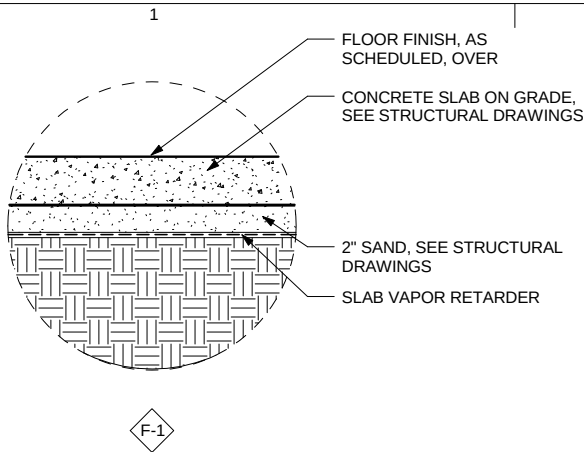
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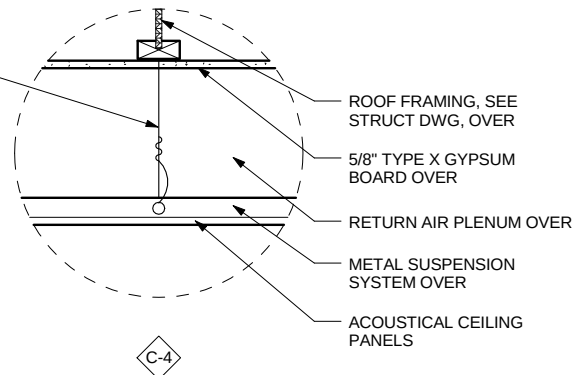
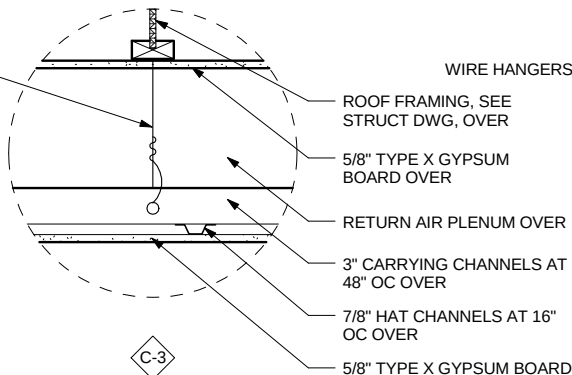
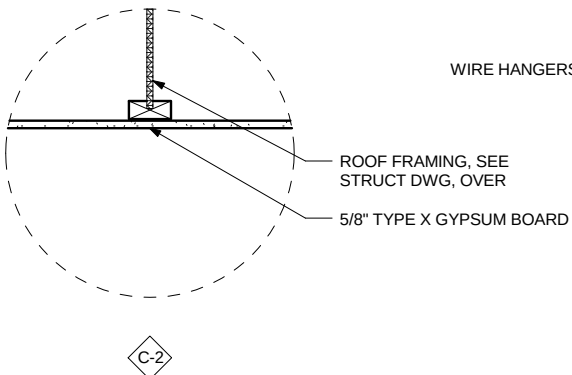
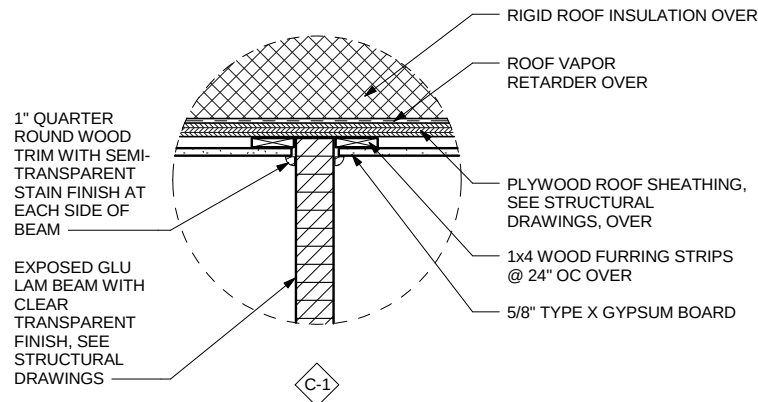
SHEET NUMBER
A4.3

SHEET CONTENTS
CURVED WALL
DETAILS



FLOOR TYPES

1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)



CEILING TYPES

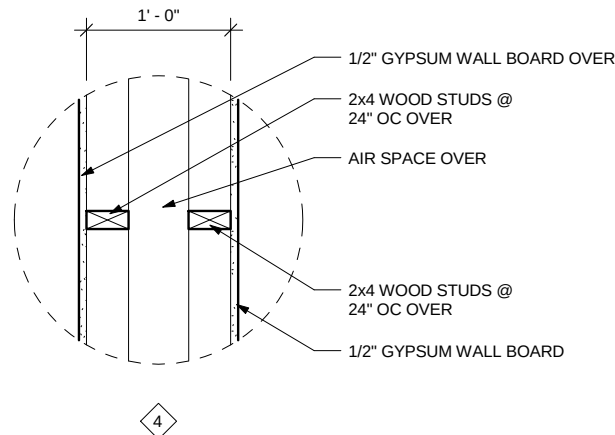
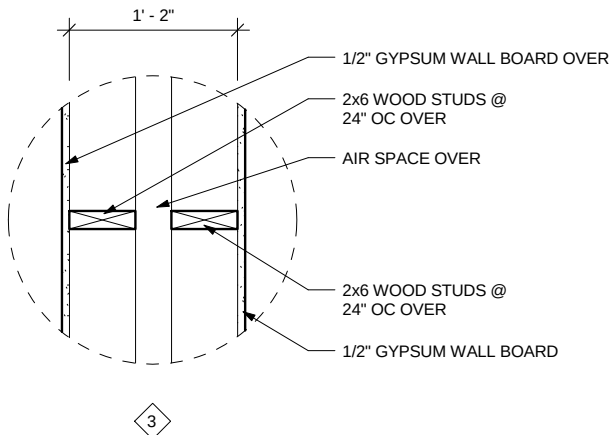
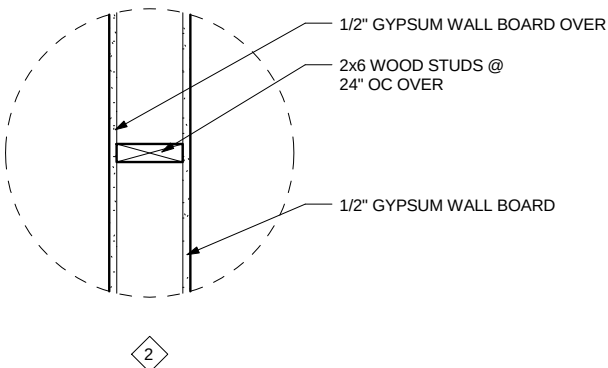
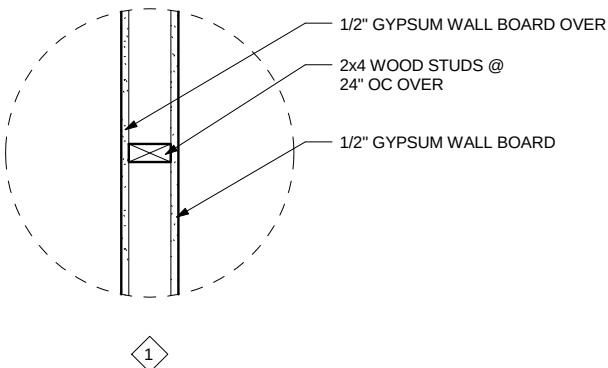
1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)

PARTITION TYPE NOTES:

1. ALL PARTITIONS ARE TO BE FULL HEIGHT TO STRUCTURE ABOVE UNLESS INDICATED OTHERWISE.
2. SEE PARTITION TYPE MODIFICATIONS FOR ALL MODIFICATIONS TO BASIC PARTITIONS.
3. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF BEARING WALLS AND SHEAR WALLS.
4. SEE ROOM FINISH SCHEDULE SHEET A6.2 FOR LOCATIONS OF MOISTURE RESISTANT GYPSUM BOARD.

PARTITION TYPE MODIFICATIONS

- | Modification | Description |
|--------------|---|
| A | ADD 3 1/2" SOUND ATTENUATION BLANKET IN STUD CAVITY OF 2x4 WOOD STUD PARTITIONS OR 5 1/2" SOUND ATTENUATION BLANKET IN STUD CAVITY OF 2x6 WOOD STUD PARTITIONS, IN WALLS WITH TWO STUD CAVITIES ADD SOUND ATTENUATION BLANKET IN BOTH STUD CAVITIES |
| B | OMIT 1/2" GYPSUM WALL BOARD ON ONE SIDE OF PARTITION ONLY |
| C | ADD WALL SHEATHING BETWEEN WOOD STUD AND GYPSUM WALL BOARD ON ONE SIDE OF PARTITION ONLY, SEE STRUCTURAL DRAWINGS |
| D | REPLACE 1/2" GYPSUM WALL BOARD WITH 5/8" TYPE X GYPSUM WALL BOARD ON ONE SIDE OF PARTITION ONLY |
| E | REPLACE 1/2" GYPSUM WALL BOARD WITH 5/8" TYPE X GYPSUM WALL BOARD ON BOTH SIDES OF PARTITION, 1 HOUR FIRE RATED WALL UL DESIGN NUMBER U314 |
| F | PARTITION TO EXTEND TO UNDERSIDE OF FINISHED CEILING ONLY |
| G | REPLACE 1/2" GYPSUM WALL BOARD WITH TWO LAYERS OF 1/4" FLEXIBLE GYPSUM WALL BOARD - WET BEND ON BOTH SIDES OF PARTITION, CHANGE WOOD STUD SPACING TO 6" OC |



PARTITION TYPES

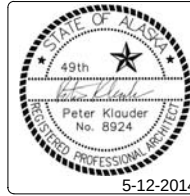
1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)

FLOOR TYPE NOTE:

1. SEE FINISH SCHEDULE SHEET A6.2 FOR FLOOR FINISH.

CEILING TYPE NOTES:

1. SEE REFLECTED CEILING PLAN (A1/A2.1) FOR CEILING HEIGHTS.
2. NO COMBUSTIBLES ARE PERMITTED IN THE RETURN AIR PLENUM.
3. SEISMICALLY BRACE ALL SUSPENDED CEILING AND SOFFIT SYSTEMS PER IBC SECTION 1613.
4. SEE FINISH SCHEDULE SHEET A6.2 FOR ACOUSTICAL CEILING PANEL AND CEILING FINISHES.



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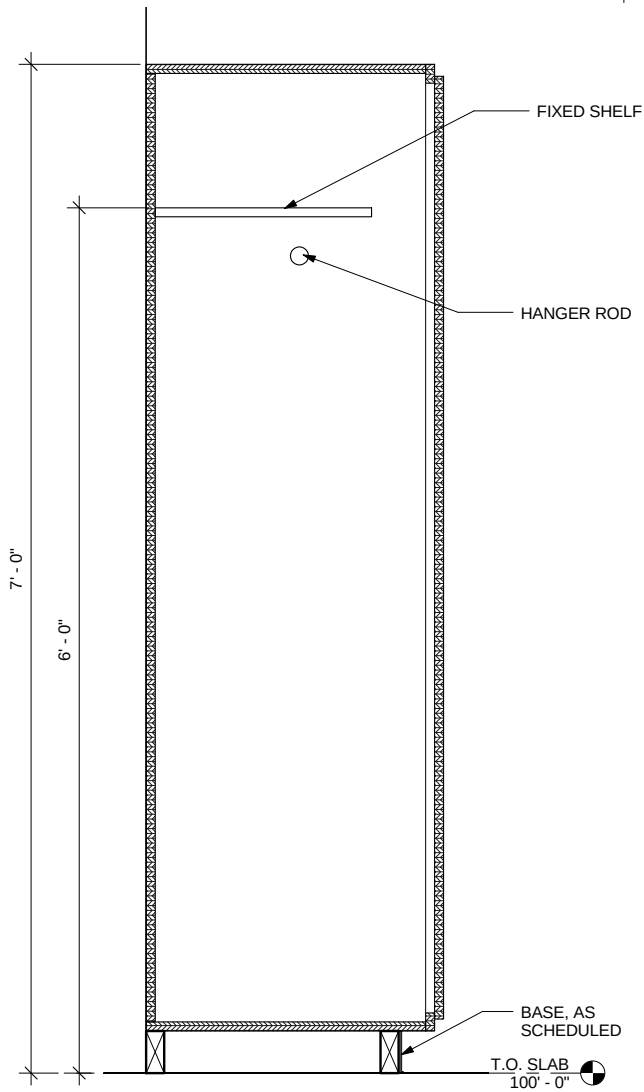
606 Petersen Way
Kenai, AK 99611
Office: (907) 283-1919 Fax: (907) 283-0450
klauder@alaska.net

DESIGN BY:	PK
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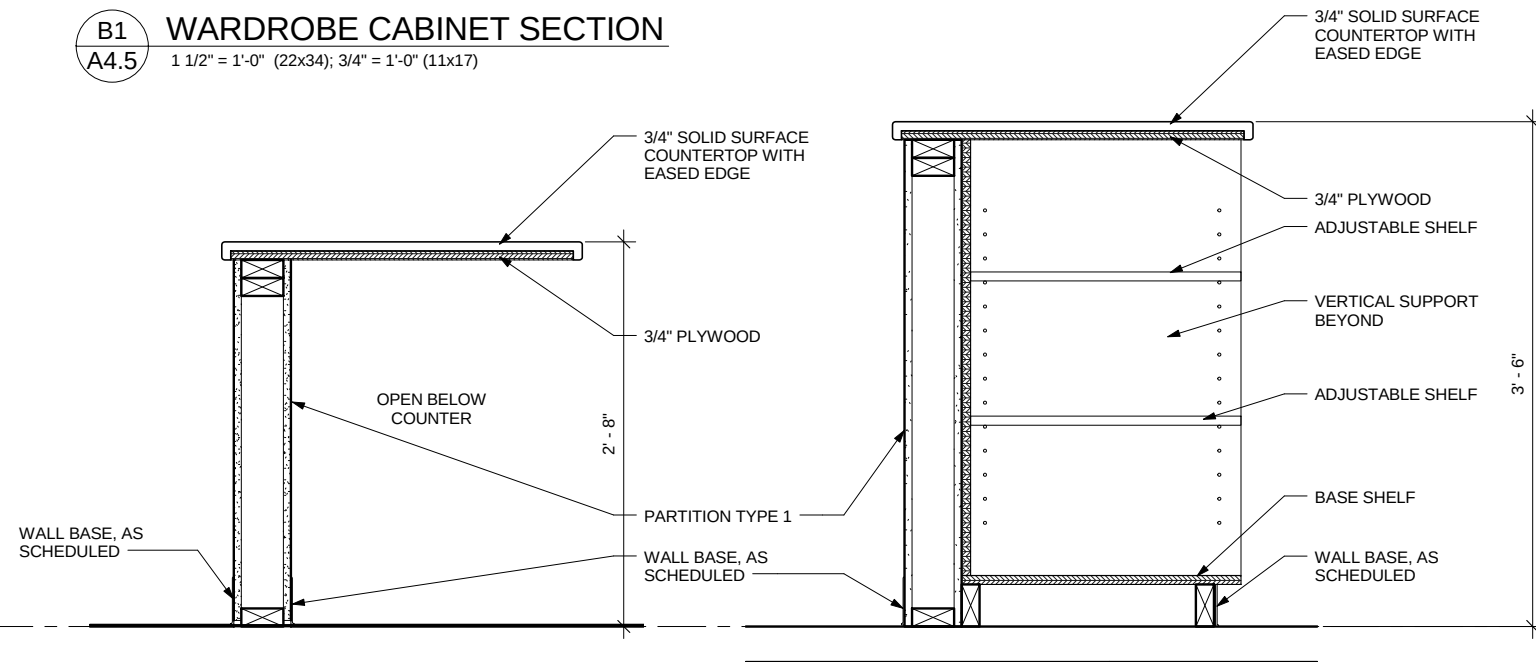
SHEET NUMBER

A4.4

SHEET CONTENTS
ASSEMBLY TYPES



B1
A4.5 **WARDROBE CABINET SECTION**
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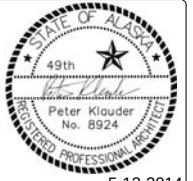


A1
A4.5 **LOBBY COUNTER SECTION**
1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)

A2
A4.5 **LOBBY COUNTER SECTION**
1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)

GENERAL NOTES:

1. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.
2. SEE SHEET A4.4 FOR PARTITION TYPES



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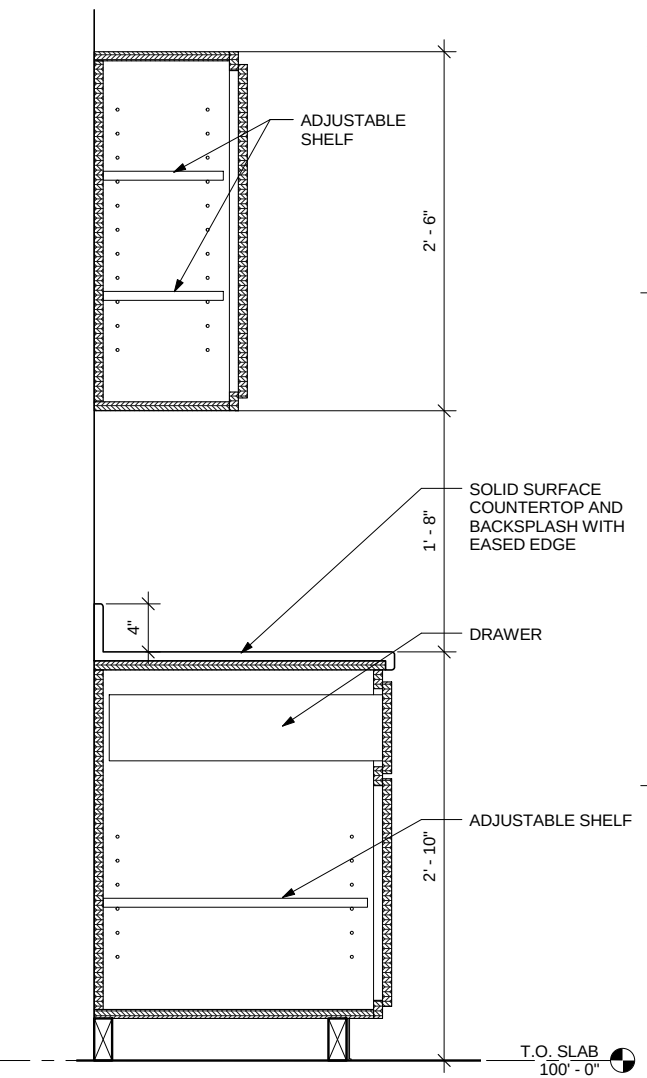
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SHEET NUMBER

A4.5

SHEET CONTENTS
CASEWORK
DETAILS



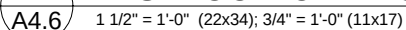
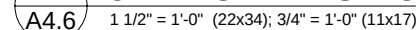
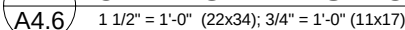
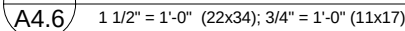
A4
A4.5 **TYPICAL CASEWORK SECTION**
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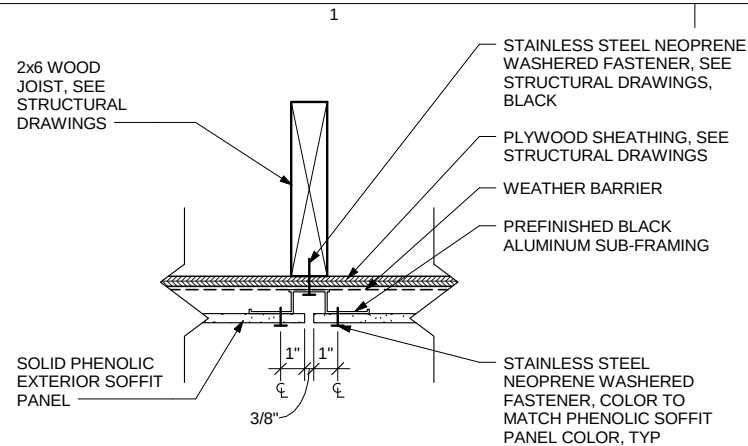


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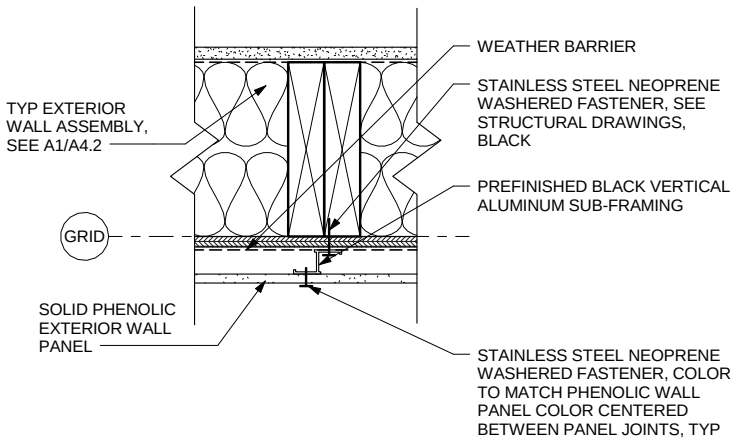
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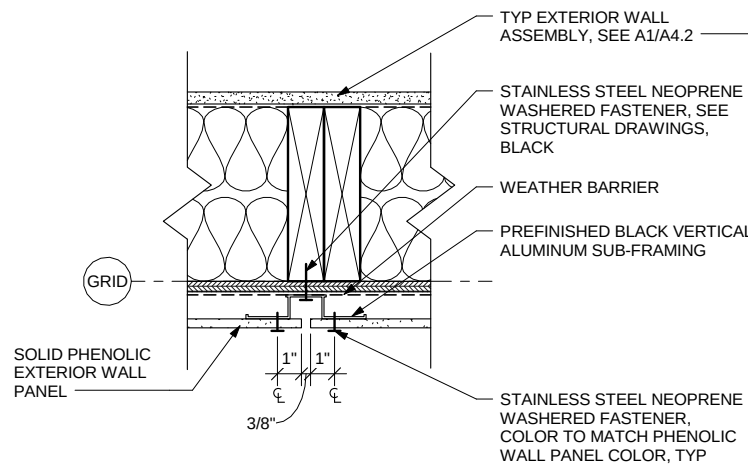
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**PHENOLIC SOFFIT PANEL TYPICAL JOINT****C1**
A4.7

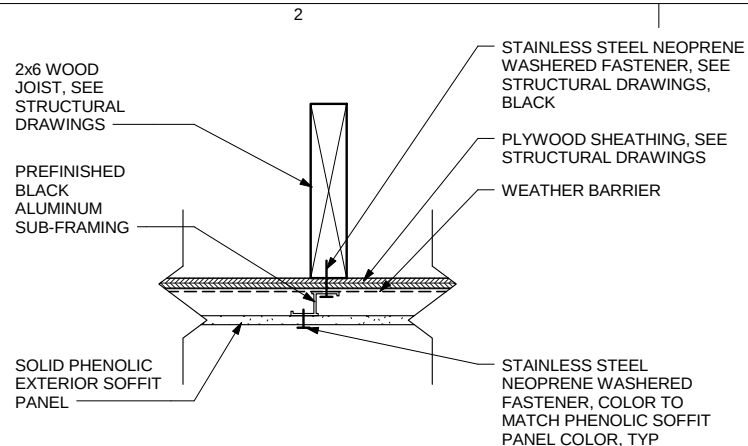
3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)

**PHENOLIC WALL PANEL TYPICAL VERTICAL INTERMEDIATE SUPPORT****B1**
A4.7

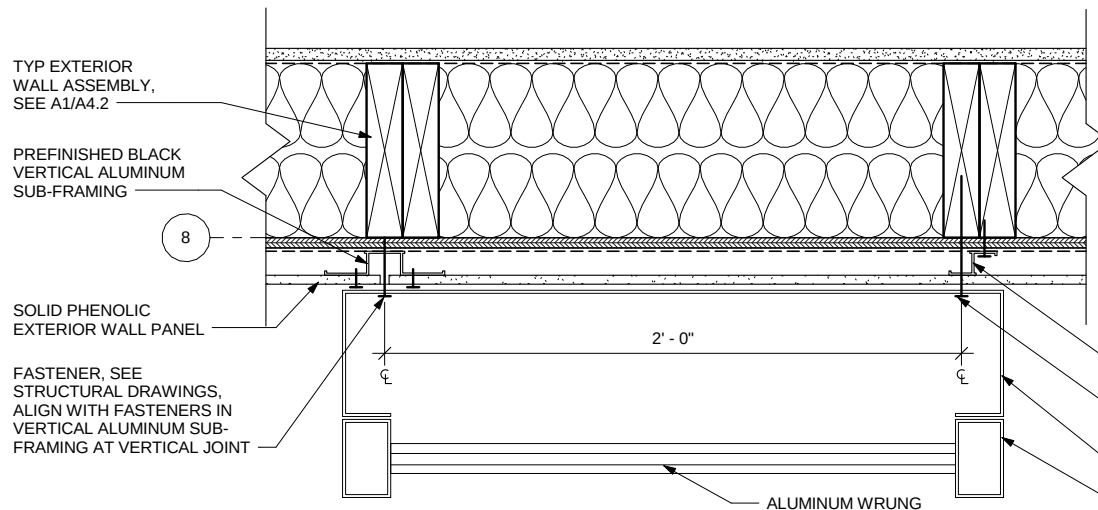
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**PHENOLIC WALL PANEL TYPICAL VERTICAL JOINT****A1**
A4.7

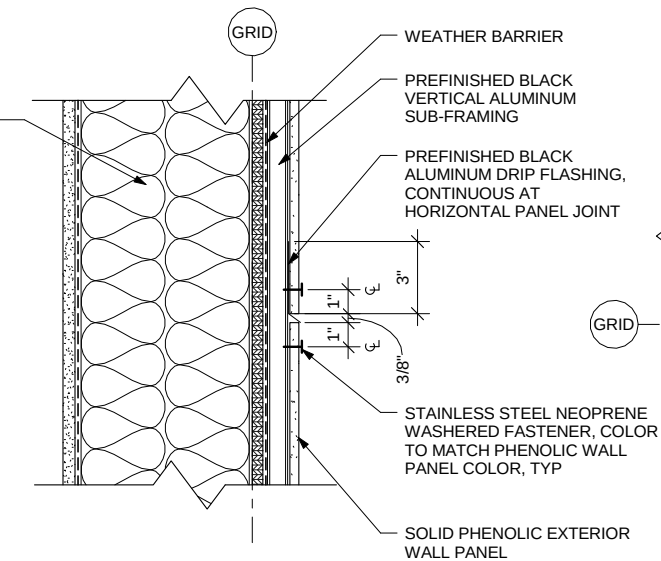
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**PHENOLIC SOFFIT PANEL TYPICAL INTERMEDIATE SUPPORT****C2**
A4.7

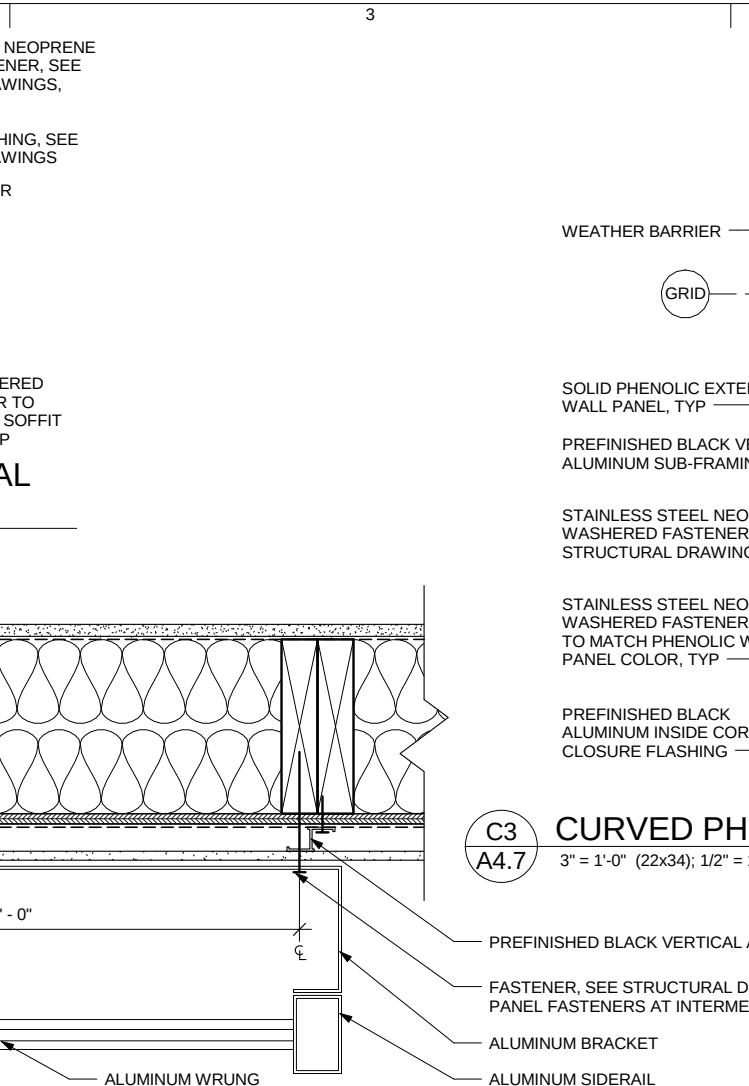
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**ROOF ACCESS LADDER ATTACHMENT DETAIL****B2**
A4.7

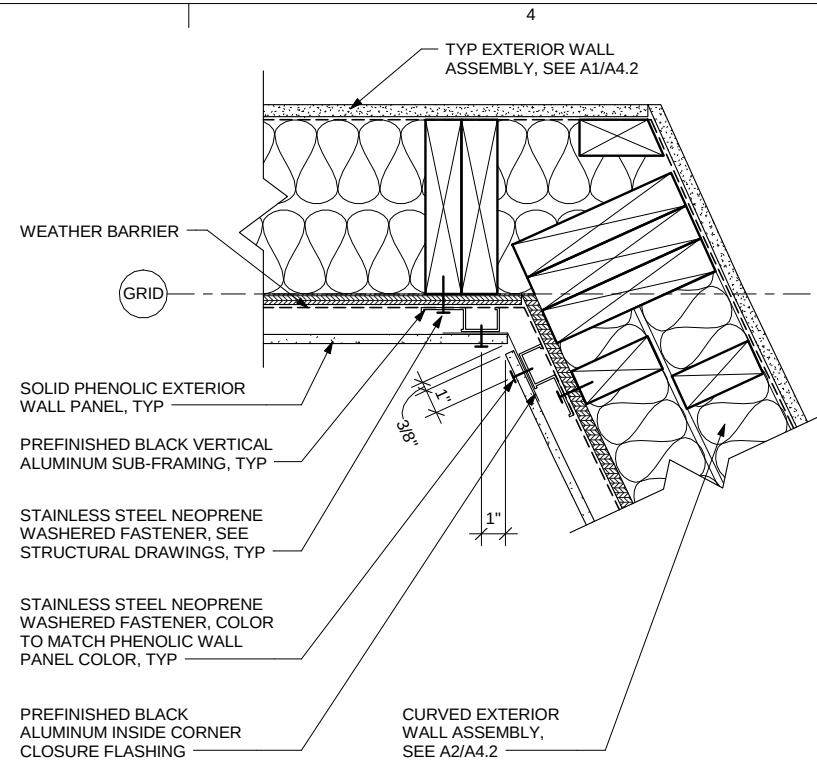
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**PHENOLIC WALL PANEL TYPICAL HORIZONTAL JOINT****A2**
A4.7

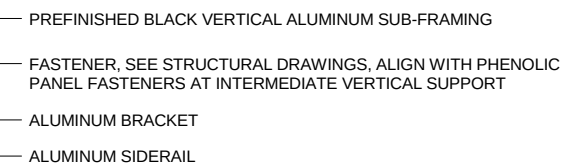
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**PHENOLIC WALL PANEL TYPICAL OUTSIDE CORNER****A3**
A4.7

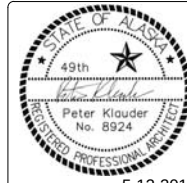
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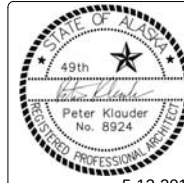
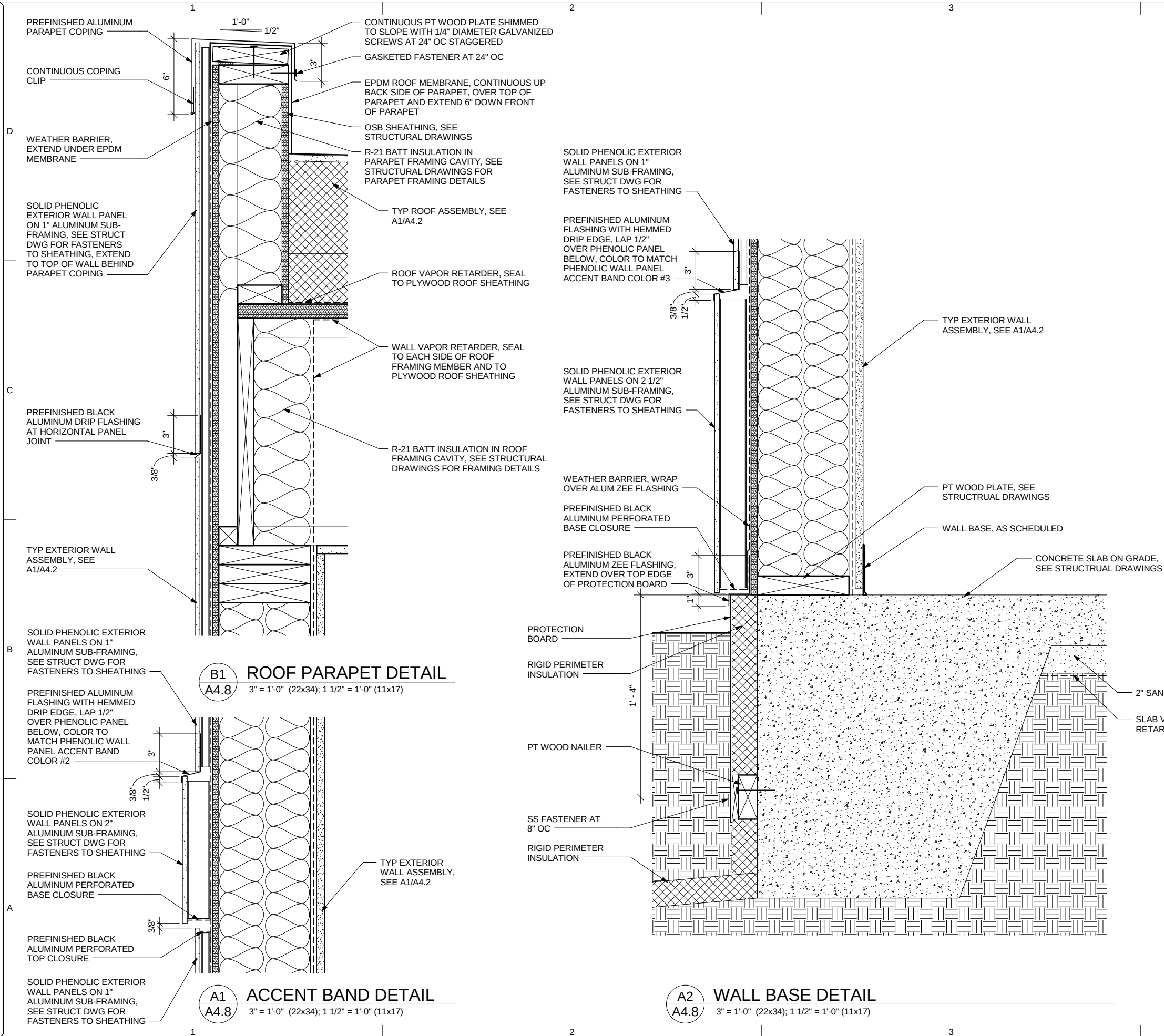
**CURVED PHENOLIC WALL PANEL INSIDE CORNER****C3**
A4.7

3" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)

**PHENOLIC WALL PANEL TYPICAL INSIDE CORNER****A4**
A4.7

3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)

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klauter@alaska.netDESIGN BY: PK
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A4.7SHEET CONTENTS
PHENOLIC PANEL
DETAILS



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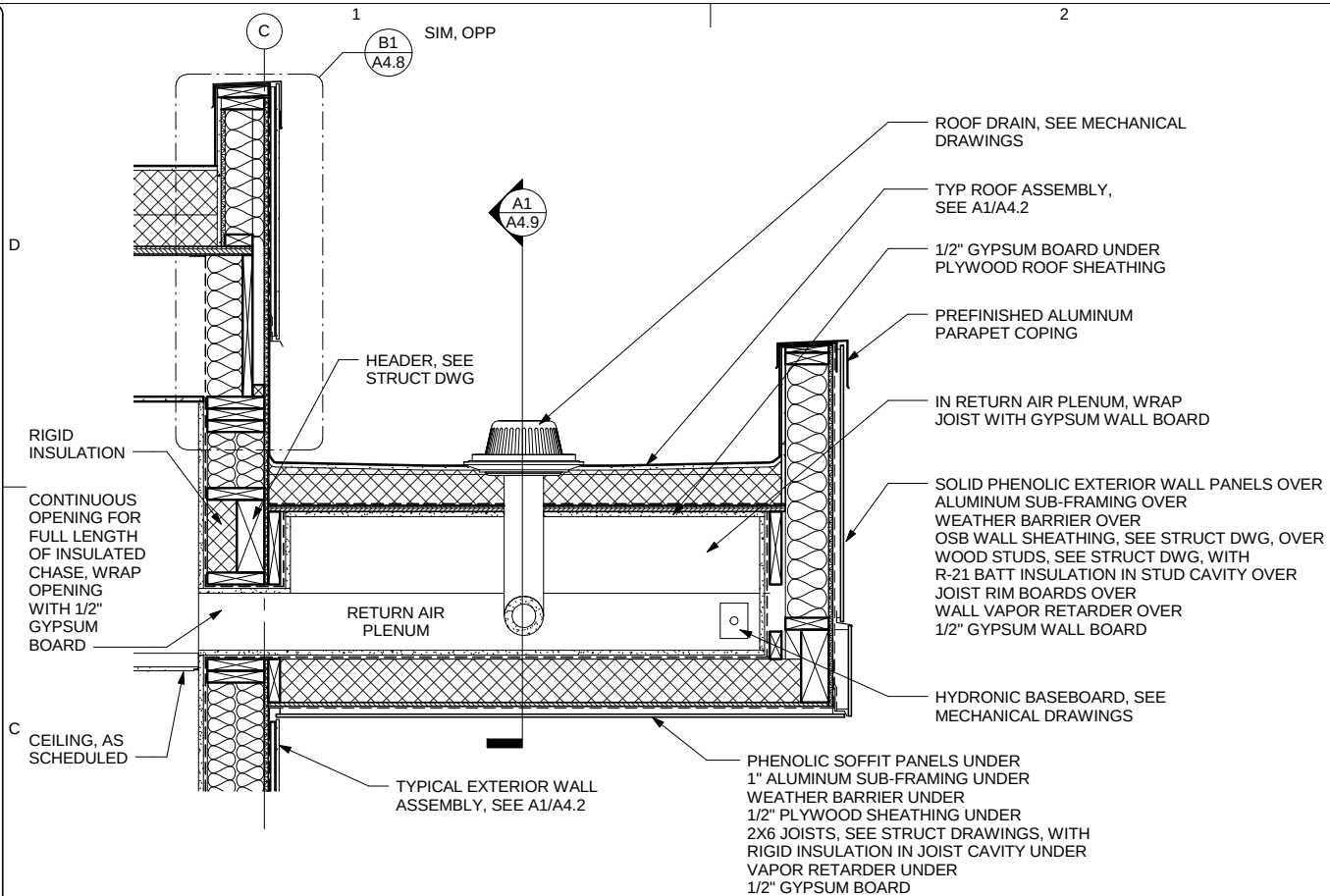
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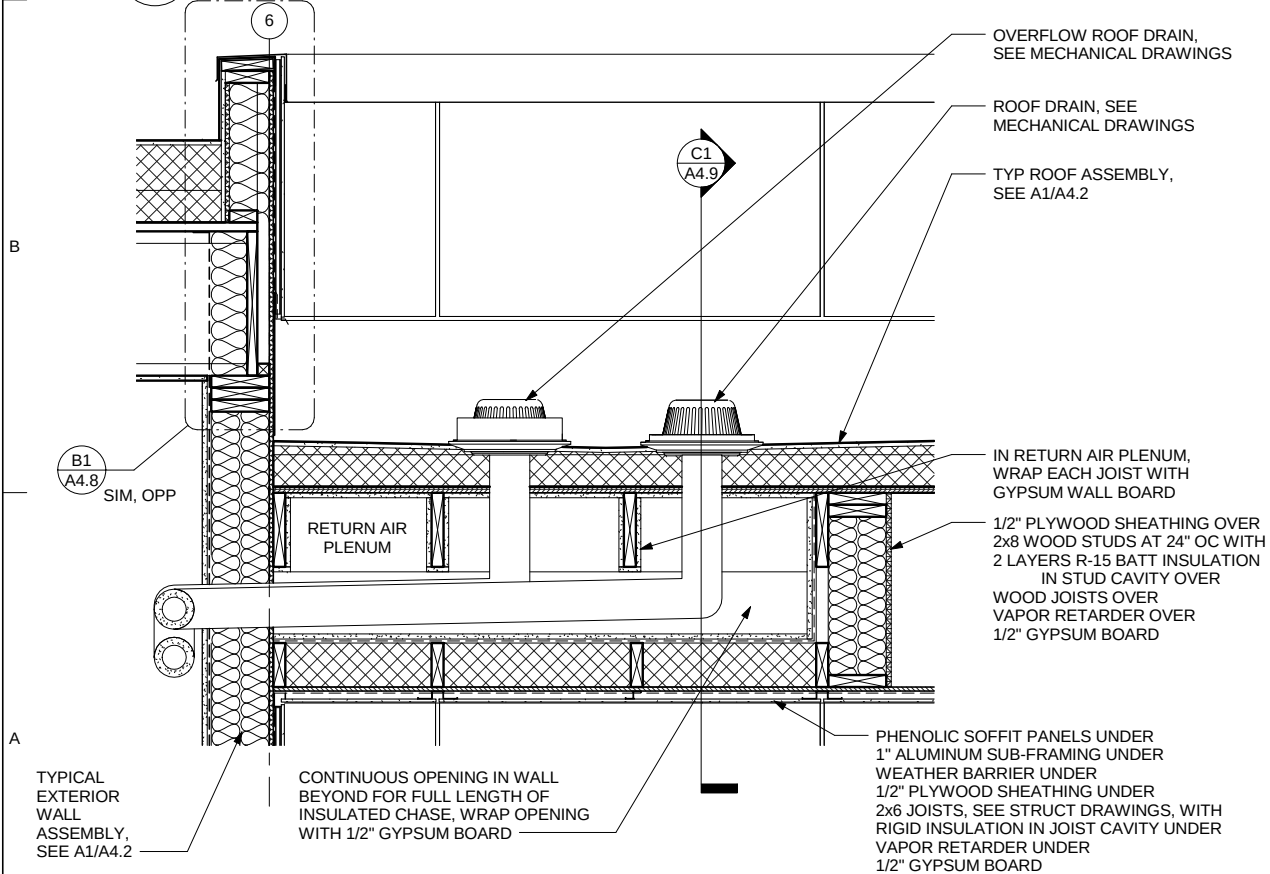
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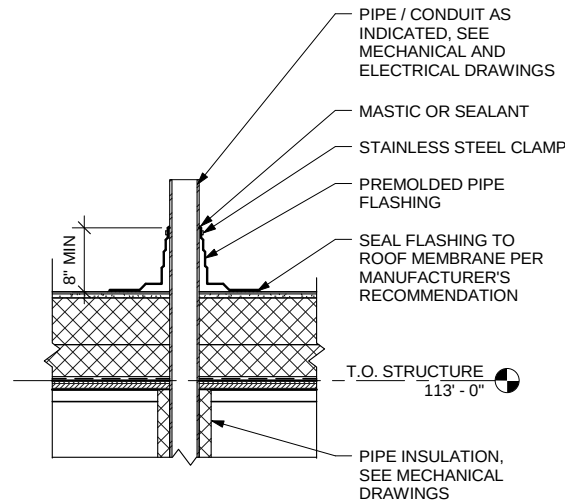
SHEET CONTENTS
WALL DETAILS



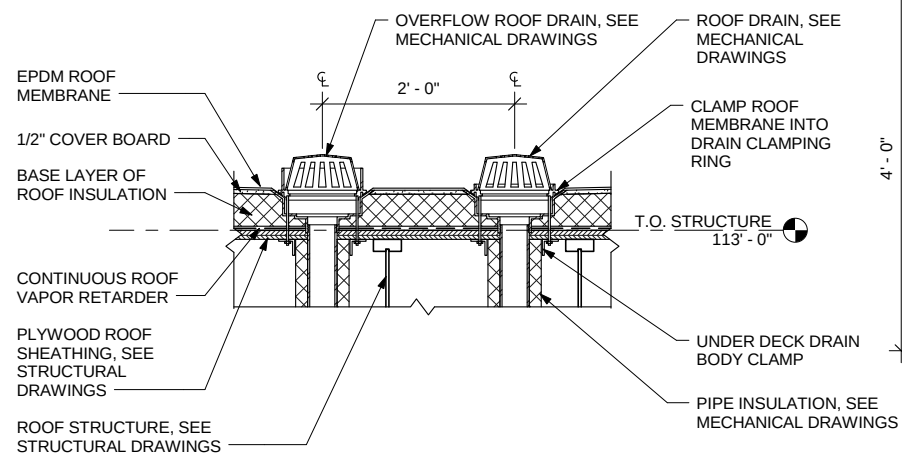
A1
A4.9 INSULATED ROOF DRAIN CHASE AT ENTRY DECK
1" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)



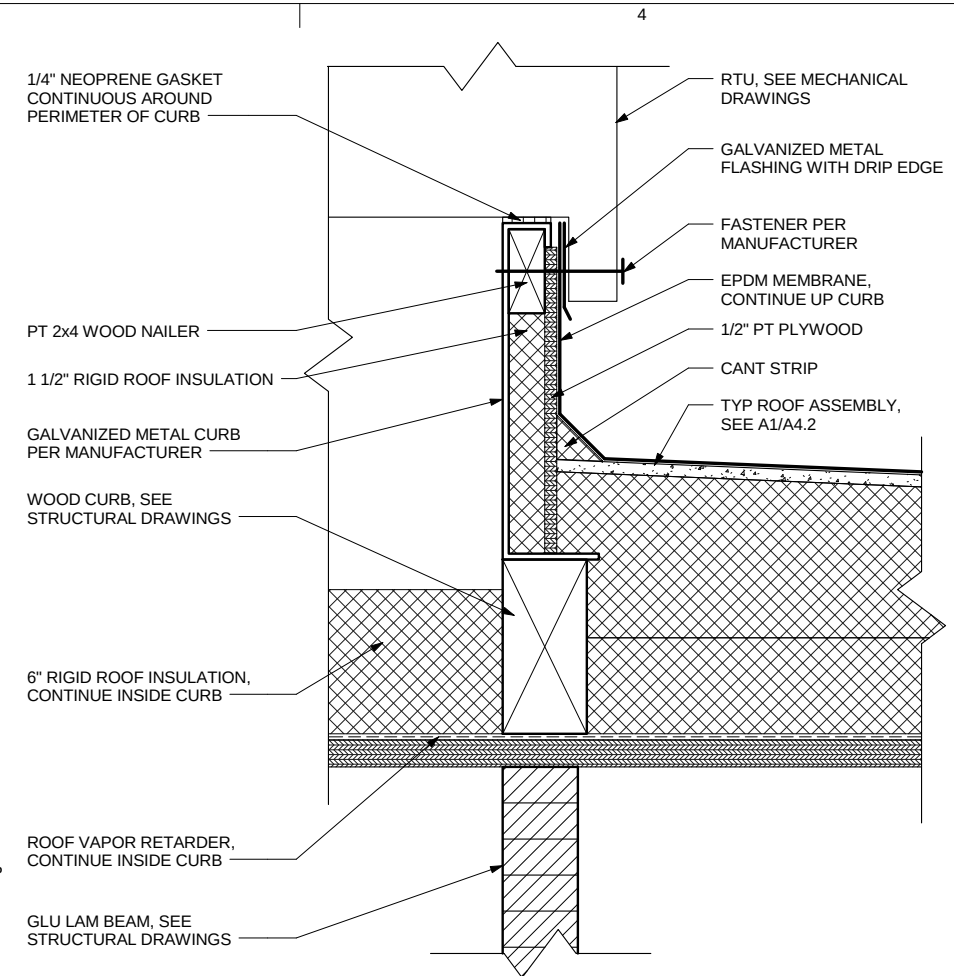
A1
A4.9 INSULATED ROOF DRAIN CHASE AT ENTRY DECK
1" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)



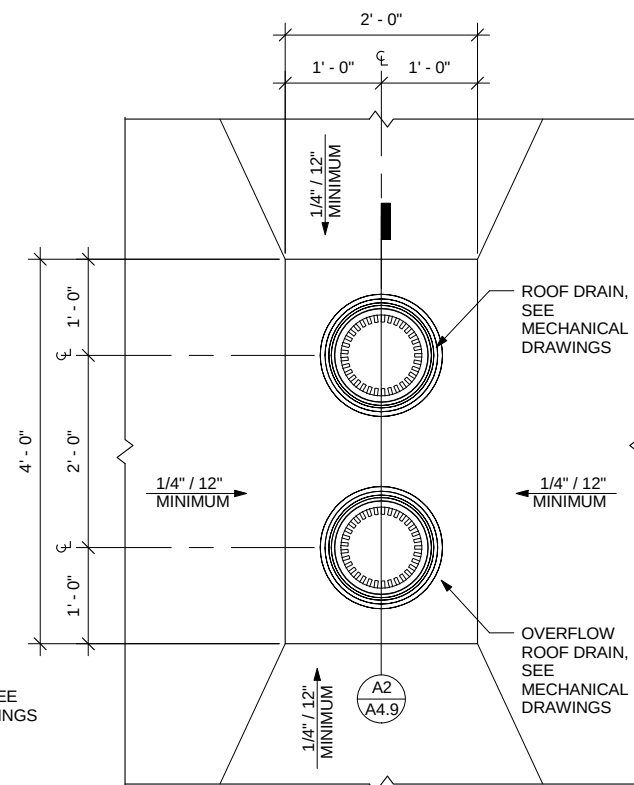
B2
A4.9 TYP PIPE PENETRATION DETAIL
1" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)



A2
A4.9 TYP ROOF DRAIN DETAIL
1" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)



B3
A4.9 RTU CURB DETAIL
3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



A4
A4.9 TYP ROOF DRAIN PLAN
1" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)



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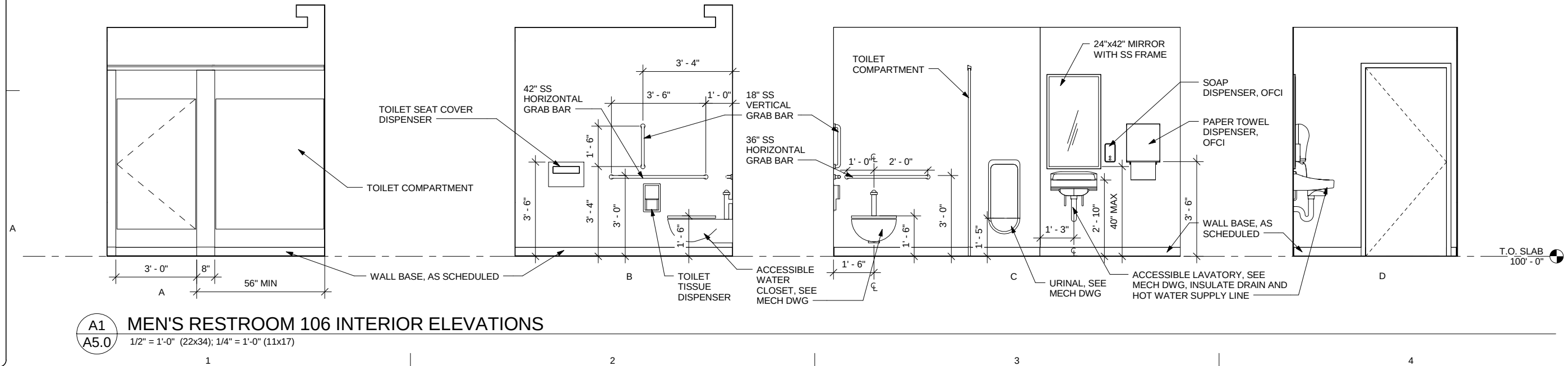
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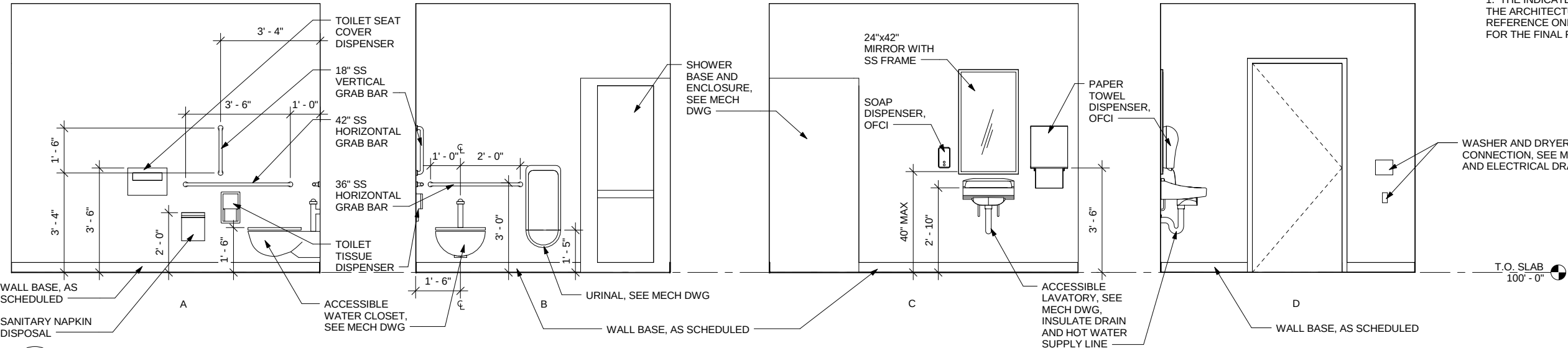
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SHEET CONTENTS
ROOF DETAILS

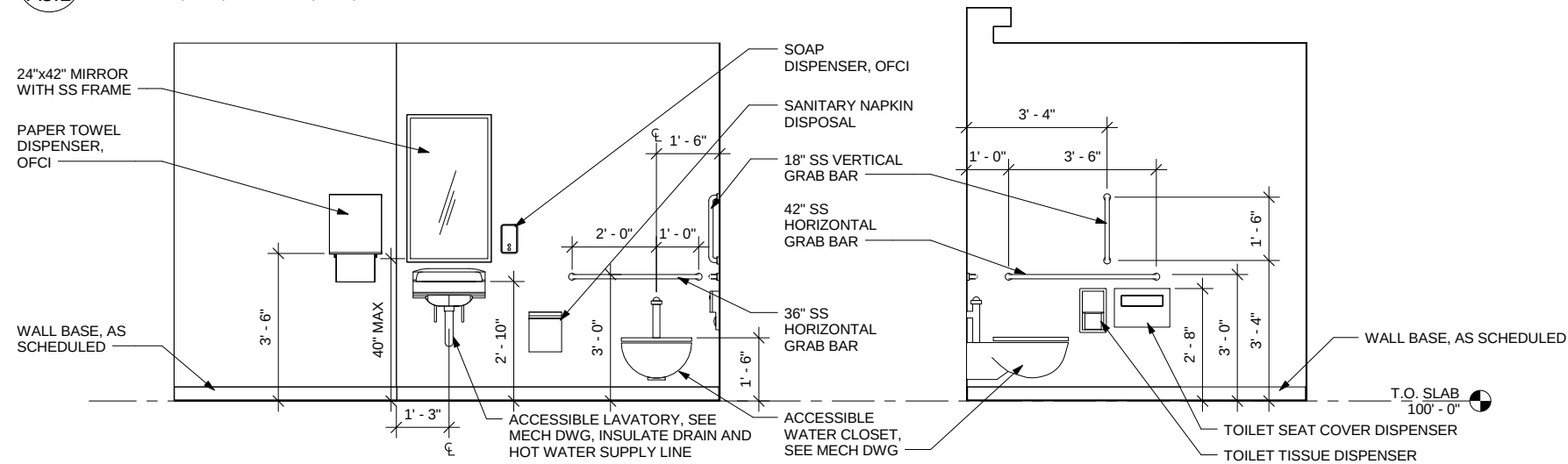
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SHEET CONTENTS
INTERIOR
ELEVATIONS

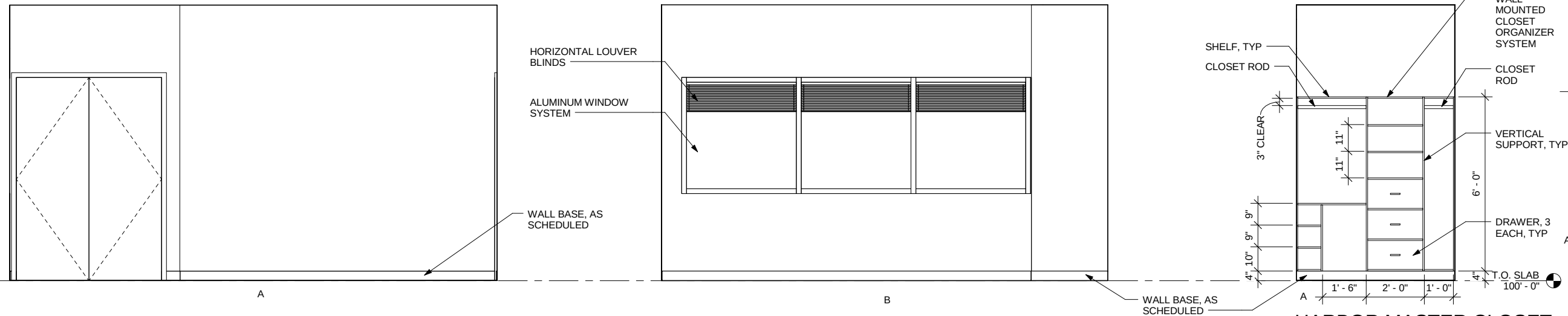


**C1 UNISEX RESTROOM 123 INTERIOR ELEVATIONS**

A5.1 1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

**B1 WOMEN'S RESTROOM 105 INTERIOR ELEVATIONS**

A5.1 1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

**A1 HARBOR MASTER OFFICE 110 INTERIOR ELEVATIONS**

A5.1 1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

HARBOR MASTER CLOSET INTERIOR ELEVATION

A4 A5.1 1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

GENERAL NOTES:

1. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.

**HOMER HARBOR
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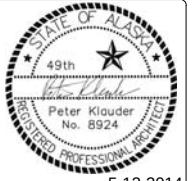
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A5.1SHEET CONTENTS
INTERIOR
ELEVATIONS

GENERAL NOTES:

1. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.



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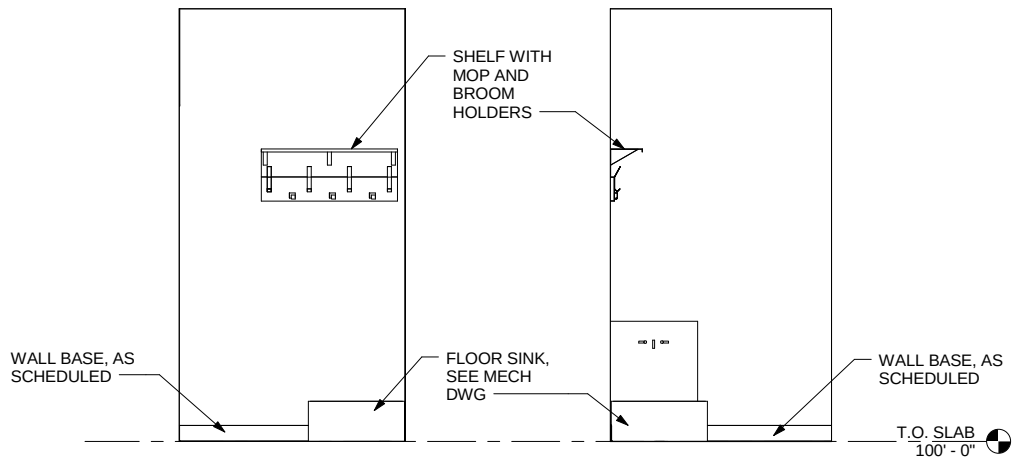
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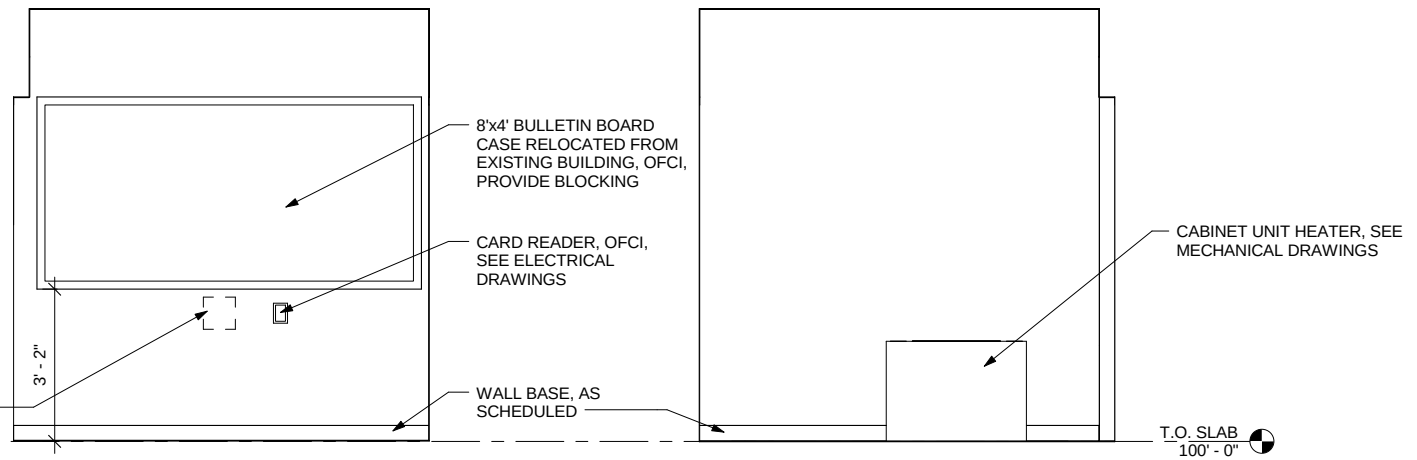
A5.2

SHEET CONTENTS
INTERIOR
ELEVATIONS



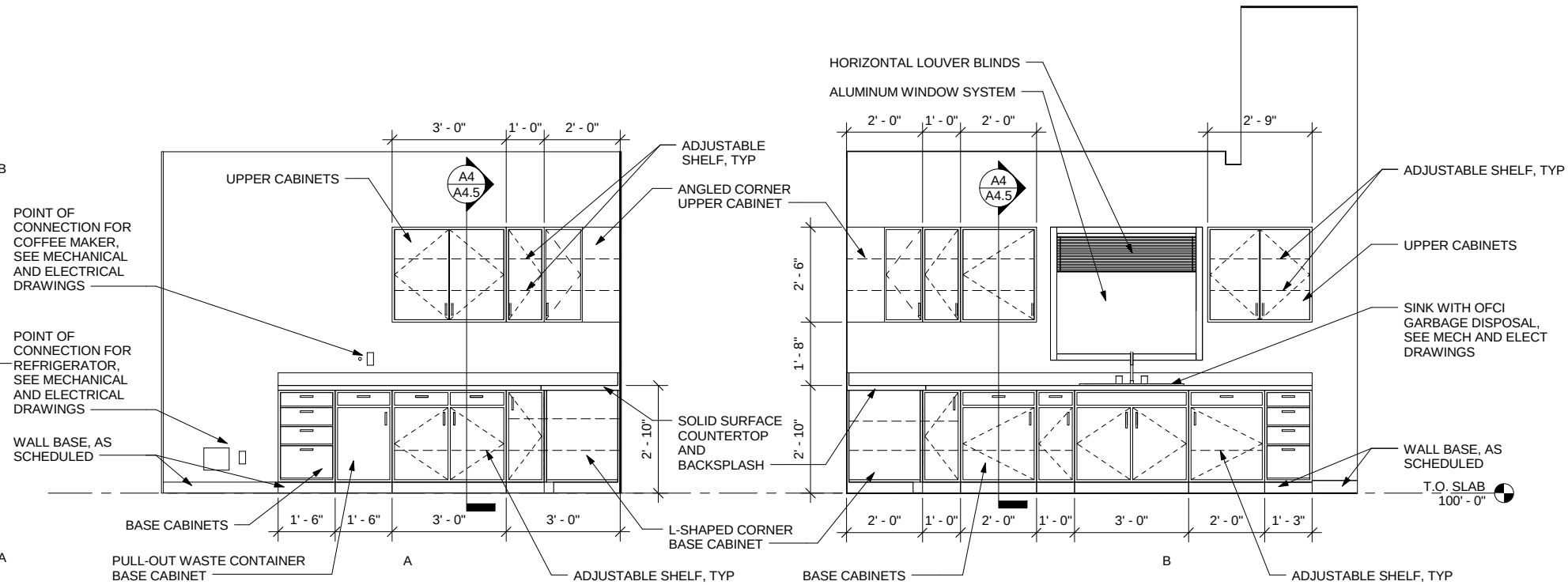
C1 JANITOR 107 INTERIOR ELEVATIONS

A5.2 1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)



C2 ARCTIC ENTRY 101 INTERIOR ELEVATIONS

A5.2 1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)



A1 MULTI-PURPOSE BREAK ROOM 116 INTERIOR ELEVATIONS

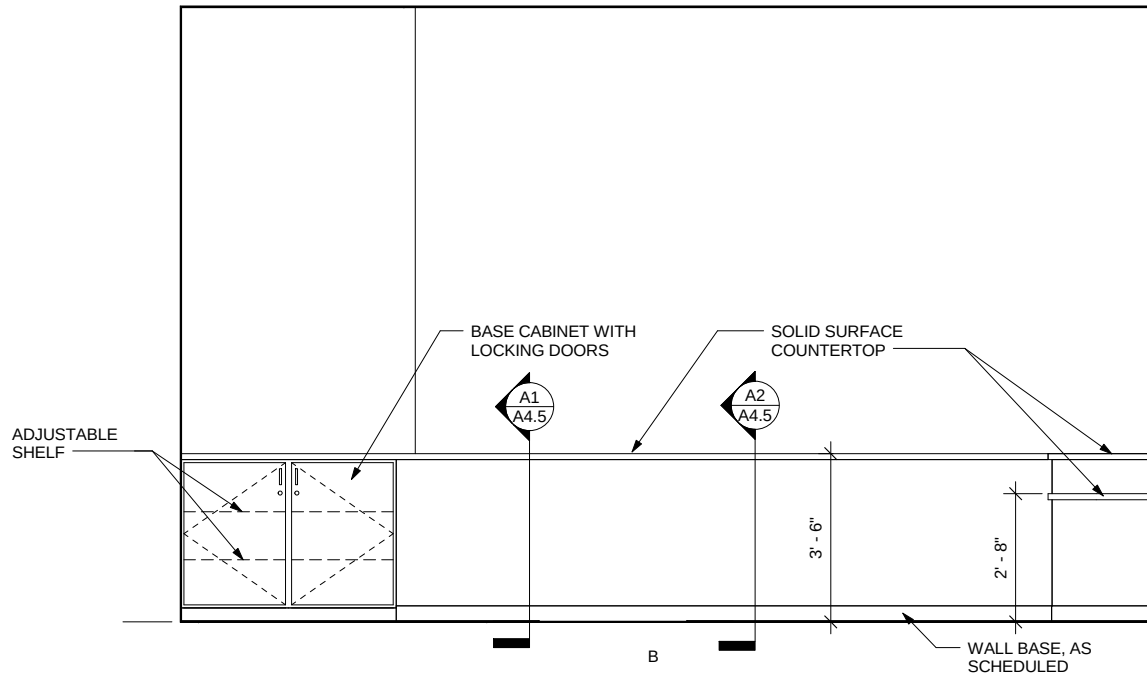
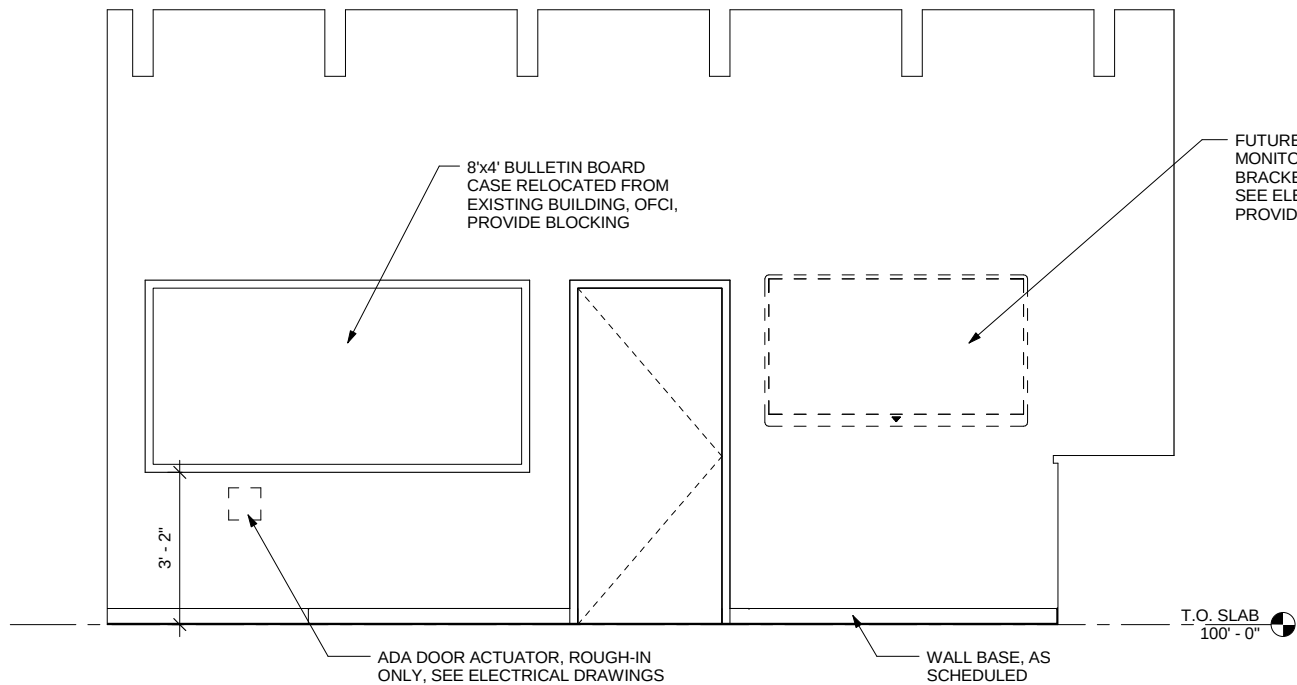
A5.2 1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

D

C

B

A



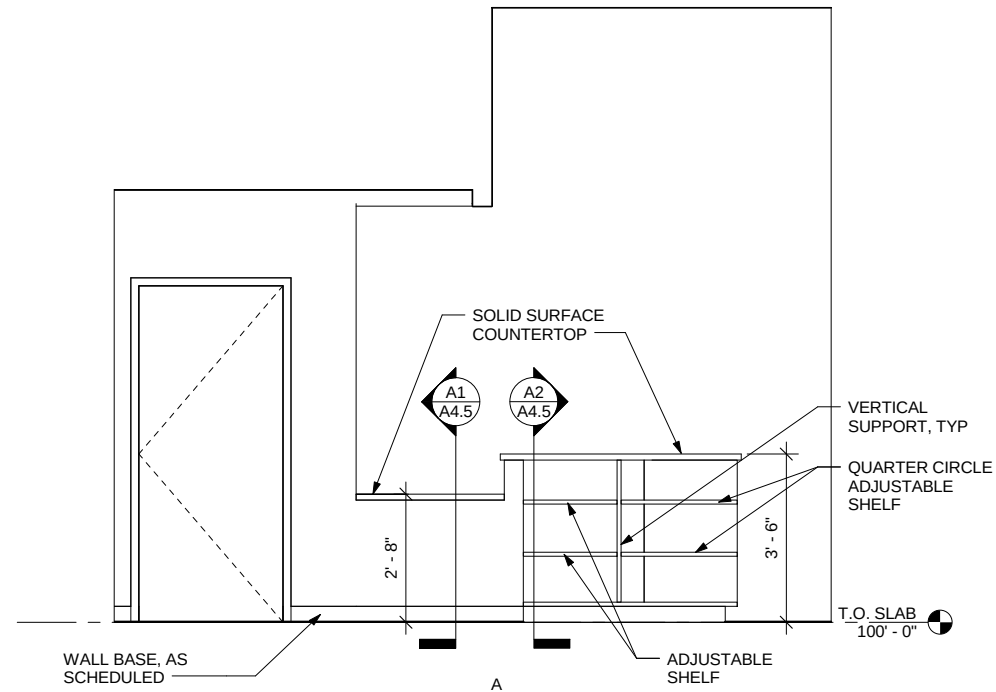
A1
A5.3 LOBBY 103 INTERIOR ELEVATIONS

1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

2

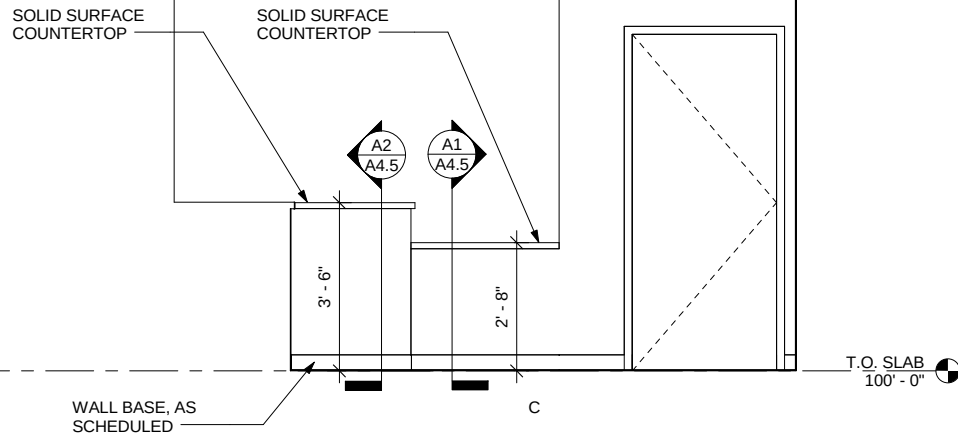
GENERAL NOTES:

1. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.

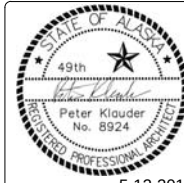


C3
A5.3 ADMIN HALL 104 INTERIOR ELEVATIONS

1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)



3



5-12-2014

D

C

B

A

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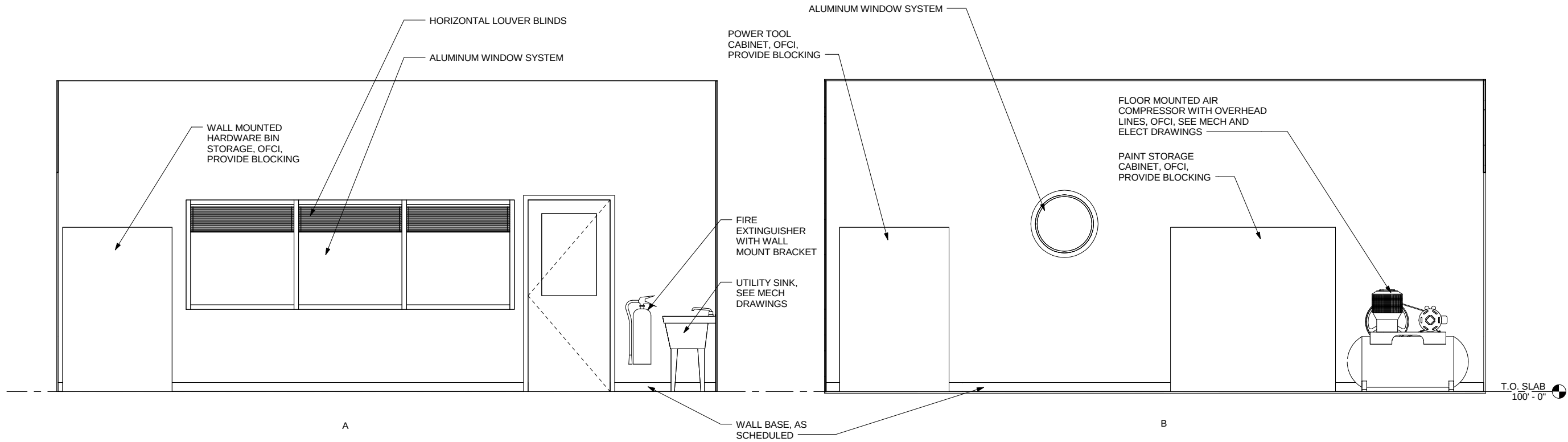
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JOB NO:	1325
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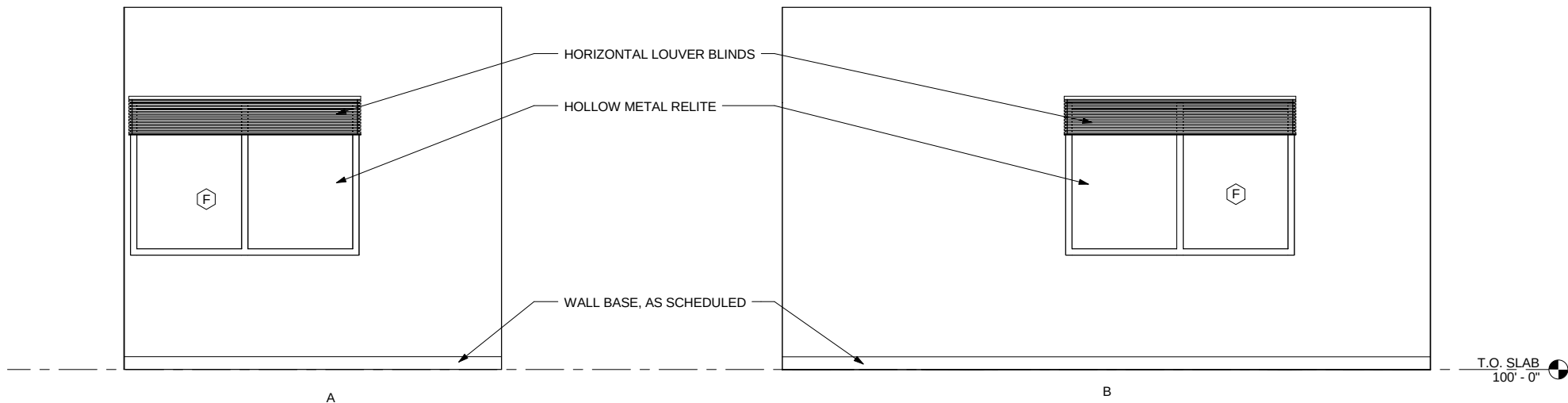
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A5.3

SHEET CONTENTS
INTERIOR
ELEVATION

**B1 STORAGE/SHOP 123 INTERIOR ELEVATIONS**

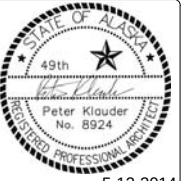
A5.4 1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

**A1 DEPUTY HARBOR MASTER OFFICE 115**

A5.4 1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

GENERAL NOTES:

1. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.
2. SEE SHEET A6.1 FOR WINDOW/RELITE TYPES.

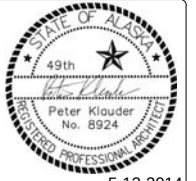
PROJECT:
HOMER HARBOR
MASTER'S OFFICECLIENT:
CITY OF HOMER
491 E. PIONEER AVENUE
HOMER, ALASKA 99603Klauder & Company
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Kenai, AK 99611
Office: (907) 283-1919 Fax: (907) 283-0450
klauder@alaska.net

DESIGN BY:	PK
DRAWN:	BC, SY
CHECKED:	PK
JOB NO:	1325
DATE:	5-12-2014
REVISIONS:	
NO.	DATE

SHEET NUMBER
A5.4SHEET CONTENTS
INTERIOR
ELEVATION

GENERAL NOTES:

1. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.



HOMER HARBOR
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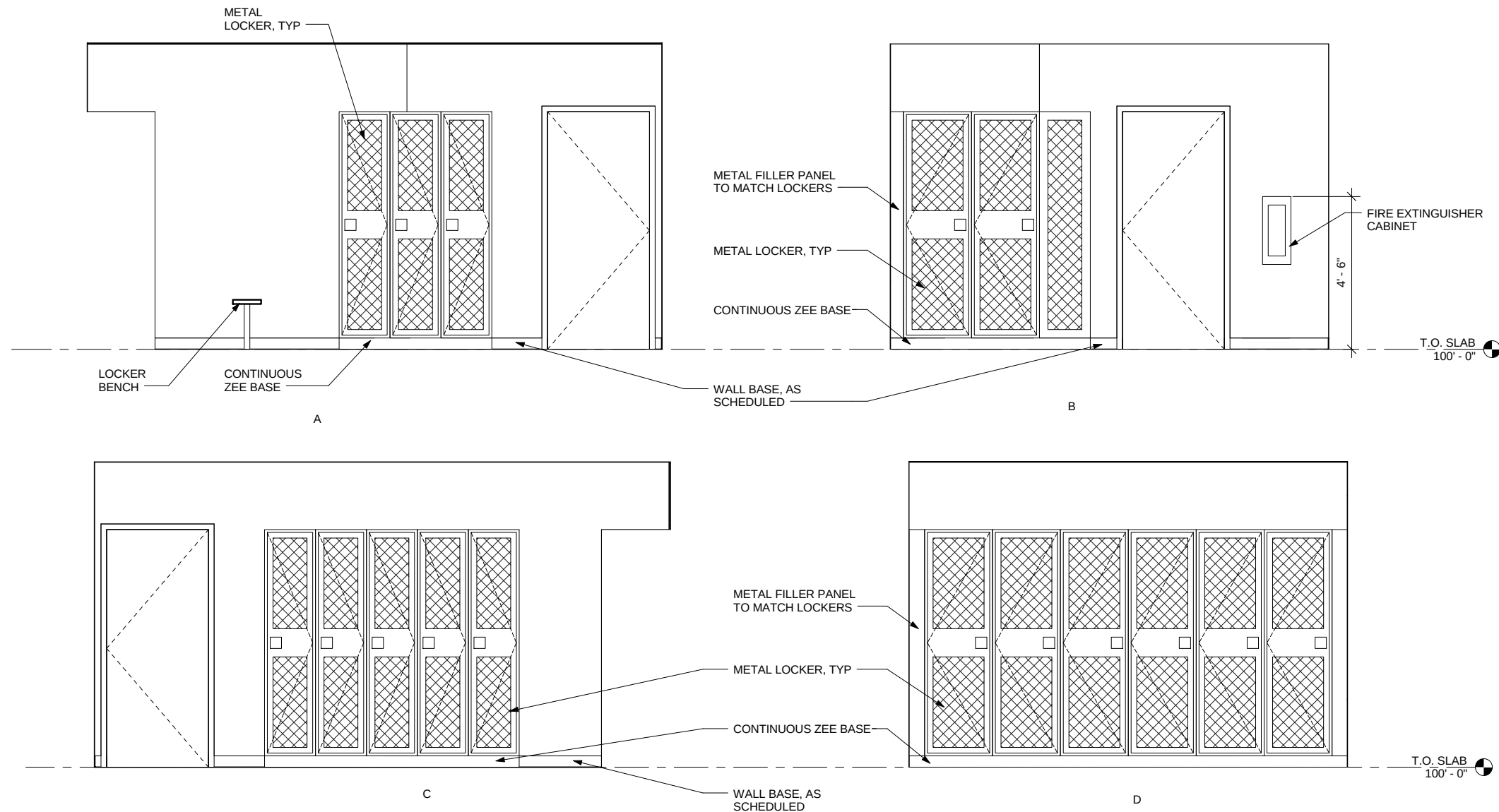
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DESIGN BY: PK
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REVISIONS:
NO. DATE

SHEET NUMBER
A5.5

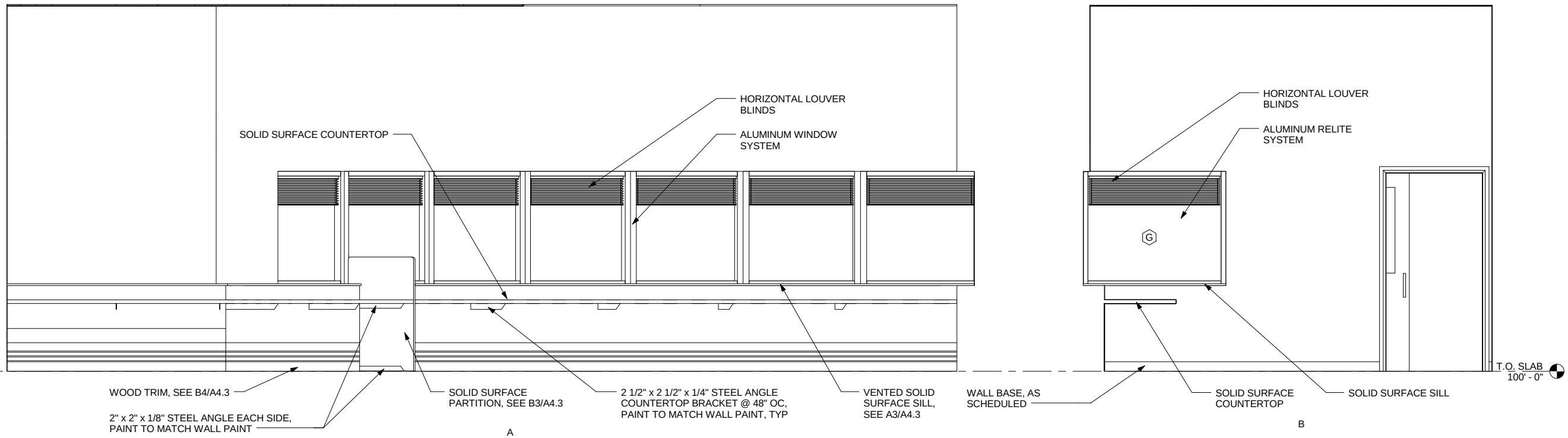
SHEET CONTENTS
INTERIOR
ELEVATION



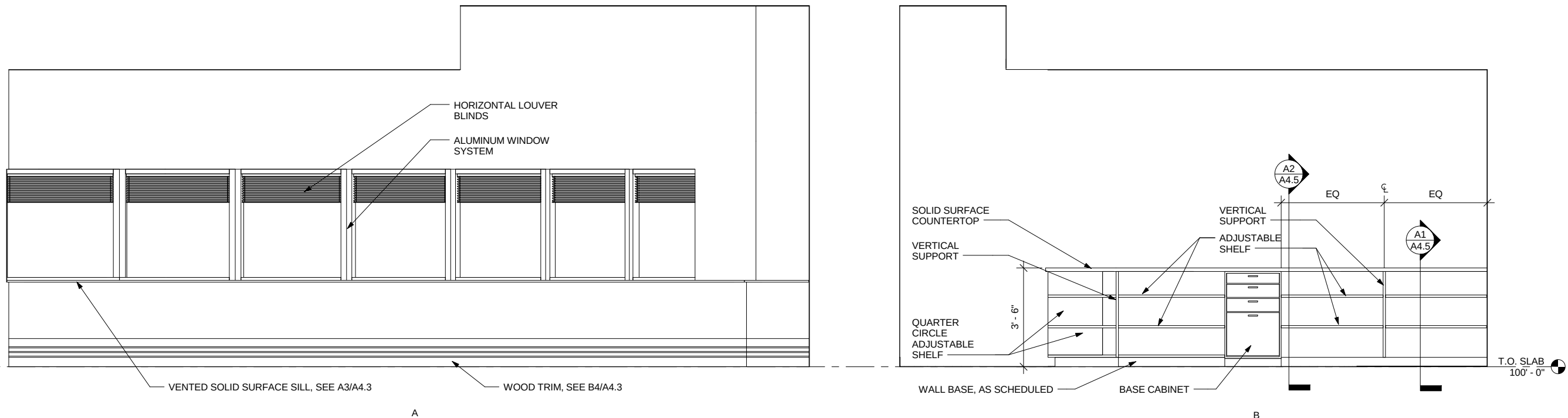
A1
A5.5 LOCKER ROOM 121 INTERIOR ELEVATIONS
1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

GENERAL NOTES:

1. THE INDICATED ELEVATION DATUM'S ON THE ARCHITECTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE THE CIVIL DRAWINGS FOR THE FINAL FINISHED FLOOR ELEVATION.
2. SEE SHEET A6.1 FOR WINDOW/RELITE TYPES

HOMER HARBOR
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klauder@alaska.netDESIGN BY: PK
DRAWN: BC, SY
CHECKED: PK
JOB NO: 1325
DATE: 5-12-2014
REVISIONS:
NO. DATESHEET NUMBER
A5.6SHEET CONTENTS
INTERIOR
ELEVATIONS**C1**
A5.6 OPERATIONS 114 INTERIOR ELEVATIONS

1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

**A1**
A5.6 ADMIN OPEN OFFICE 112 INTERIOR ELEVATIONS

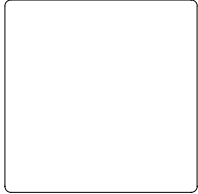
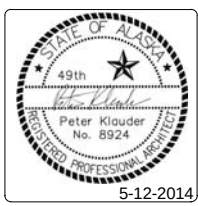
1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

DOOR SCHEDULE																			
DOOR NUMBER	FIRE RATING	SIZE			DOOR				GLASS		FRAME				DETAILS			HARDWARE SET NUMBER	REMARKS
		WIDTH	HEIGHT	THICKNESS	TYPE	INSULATED	MATERIAL	FINISH	TYPE	SIZE (W x H)	TYPE	INSULATED	MATERIAL	FINISH	HEAD	JAMB	THRESH OLD		
101-1	NONE	3' - 0"	7' - 0"		3	No	TB-ALUM	FF	GL-5	VARIES	2	No	TB-ALUM	FF	C1/A6.3	B1/A6.3	A1/A6.3	1	
101-2	NONE	3' - 0"	7' - 0"		3	No	ALUM	FF	GL-2	VARIES	3	No	ALUM	FF	C2/A6.3	B2/A6.3	A2/A6.3	2	
103-1	NONE	3' - 0"	7' - 0"	1 3/4"	2	No	SCWD	CLEAR FF	GL-2	24" x 36"	1	No	HM	P&P	C4/A6.3	B4/A6.3		3	
104-1	NONE	3' - 0"	7' - 0"	1 3/4"	1	Yes	FRP	FF	NA	NA	1	Yes	FRP	FF	C3/A6.3	B3/A6.3 AND A3/A6.6	A3/A6.3	16	
105-1	NONE	3' - 0"	7' - 0"	1 3/4"	1	No	SCWD	CLEAR FF	NA	NA	1	No	HM	P&P	C4/A6.3	B4/A6.3	A4/A6.3	4	
106-1	NONE	3' - 0"	7' - 0"	1 3/4"	1	No	SCWD	CLEAR FF	NA	NA	1	No	HM	P&P	C4/A6.3	B4/A6.3	A4/A6.3	4	
107-1	NONE	3' - 0"	7' - 0"	1 3/4"	1	No	SCWD	CLEAR FF	NA	NA	1	No	HM	P&P	C4/A6.3	B4/A6.3		18	
108-1	NONE	3' - 0"	7' - 0"	1 3/4"	2	No	SCWD	CLEAR FF	GL-2	24" x 36"	1	No	HM	P&P	C4/A6.3	B4/A6.3	A4/A6.3	6	
109-1	NONE	3' - 0"	7' - 0"	1 3/4"	1	No	SCWD	CLEAR FF	NA	NA	1	No	HM	P&P	C4/A6.3	B4/A6.3	A4/A6.3	7	
110-1	NONE	3' - 0"	7' - 0"	1 3/4"	2	No	SCWD	CLEAR FF	GL-2	24" x 36"	1	No	HM	P&P	C4/A6.3	B4/A6.3	A4/A6.3	8	
110-2	NONE	5' - 0"	7' - 0"	1 3/4"	5	No	SCWD	CLEAR FF	NA	NA	1	No	HM	P&P	C4/A6.3	B4/A6.3		17	
111-1	NONE	3' - 0"	7' - 0"	1 3/4"	1	No	SCWD	CLEAR FF	NA	NA	1	No	HM	P&P	C4/A6.3	B4/A6.3		5	
114-1	NONE	3' - 6"	7' - 0"	1 3/4"	2	No	SCWD	CLEAR FF	GL-2	24" x 36"	NA	No	NA	NA				9	POCKET DOOR
115-1	NONE	3' - 0"	7' - 0"	1 3/4"	2	No	SCWD	CLEAR FF	GL-2	24" x 36"	1	No	HM	P&P	C4/A6.3	B4/A6.3	A4/A6.3	8	
116-1	NONE	3' - 0"	7' - 0"	1 3/4"	2	Yes	FRP	FF	GL-5	24" x 36"	1	Yes	FRP	FF	C3/A6.3	B3/A6.3	A3/A6.3	16	
117-1	NONE	3' - 0"	7' - 0"	1 3/4"	1	No	SCWD	CLEAR FF	NA	NA	1	No	HM	P&P	C4/A6.3	B4/A6.3		10	
118-1	NONE	3' - 0"	7' - 0"	1 3/4"	2	No	SCWD	CLEAR FF	GL-2	24" x 36"	1	No	HM	P&P	C4/A6.3	B4/A6.3	A4/A6.3	11	
119-1	NONE	3' - 0"	7' - 0"	1 3/4"	2	No	SCWD	CLEAR FF	GL-2	24" x 36"	1	No	HM	P&P	C4/A6.3	B4/A6.3	A4/A6.3	11	
119-2	NONE	3' - 0"	7' - 0"	1 3/4"	1	No	SCWD	CLEAR FF	NA	NA	1	No	HM	P&P	C4/A6.3	B4/A6.3	A4/A6.3	8	
120-1	NONE	4' - 0"	7' - 0"	1 3/4"	1	Yes	FRP	FF	NA	NA	1	Yes	FRP	FF	C3/A6.3	B3/A6.3	A4/A6.3	12	
122-1	NONE	3' - 0"	7' - 0"	1 3/4"	1	No	SCWD	CLEAR FF	NA	NA	1	No	HM	P&P	C4/A6.3	B4/A6.3	A4/A6.3	14	
123-1	NONE	3' - 0"	7' - 0"	1 3/4"	2	Yes	FRP	FF	GL-5	24" x 36"	1	Yes	FRP	FF	C3/A6.3	B3/A6.3	A3/A6.3	16	
123-2	NONE	10' - 0"	8' - 0"	2"	4	Yes	STL	FF	GL-7	25" x 13"	NA	No	NA	NA	C1/A6.4	B1/A6.4	A1/A6.4	15	SECTIONAL OVERHEAD DOOR
123-3	NONE	3' - 0"	7' - 0"	1 3/4"	2	Yes	FRP	FF	GL-2	24" x 36"	1	No	HM	P&P	C4/A6.3	B4/A6.3	A2/A6.6	13	

GENERAL NOTES:

1. SEE SPECIFICATION SECTION "GLAZING" FOR GLASS TYPES.

DOOR SCHEDULE LEGEND	
ALUM	ALUMINUM
FF	FACTORY FINISH
FRP	FIBERGLASS REINFORCED PLASTIC
HM	HOLLOW METAL
NA	NOT APPLICABLE
P&P	PRIMED AND PAINTED
SCWD	SOLID CORE WOOD
STL	STEEL
TB-ALUM	THERMAL BREAK ALUMINUM



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Architects, Inc.

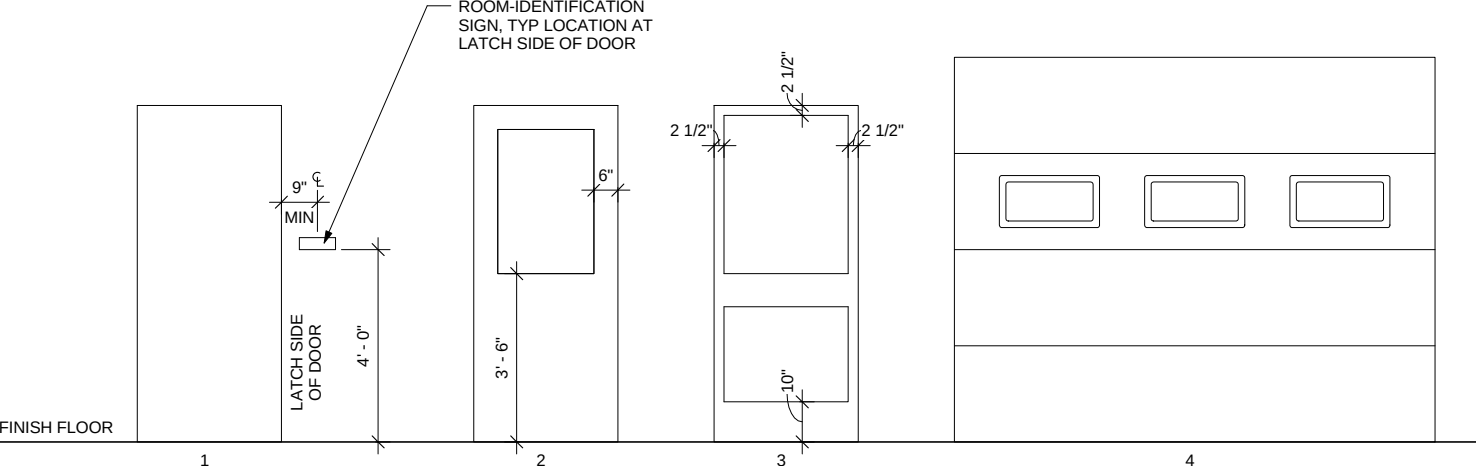
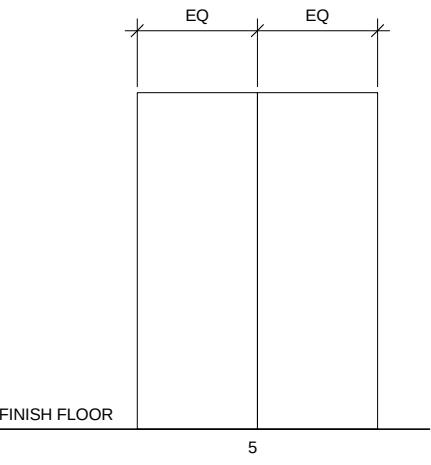
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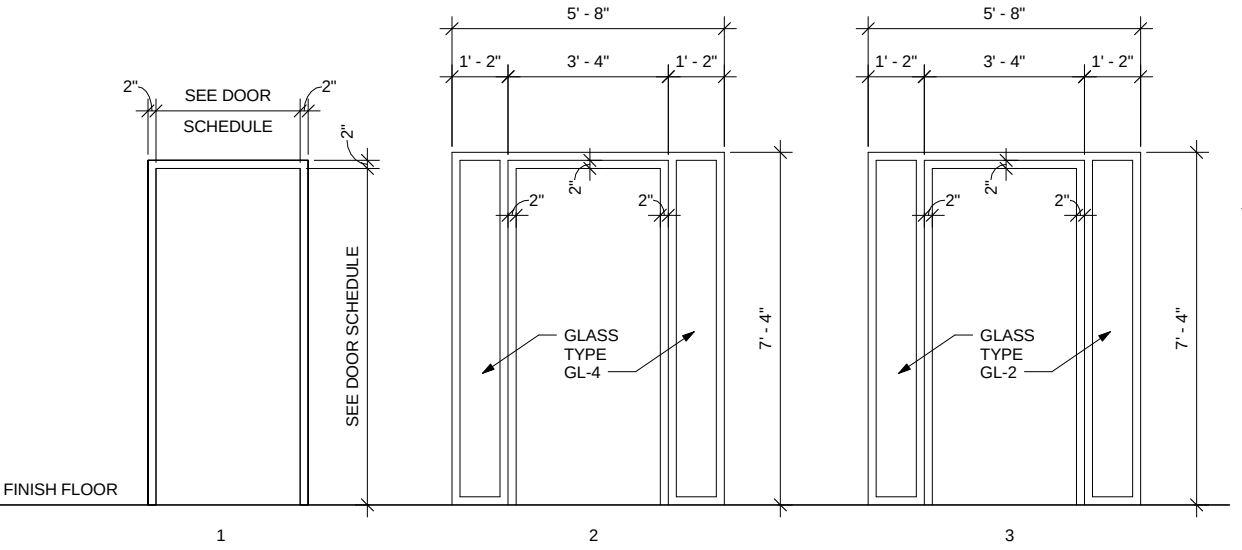
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A6.0

SHEET CONTENTS
DOOR SCHEDULE,
DOOR AND FRAME
TYPES

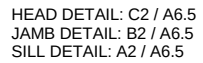


DOOR TYPES
1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)



FRAME TYPES
1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

1. SEE SPECIFICATION SECTION 088000 FOR GLASS TYPES.



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IB NO:	1325
TE:	5-12-2014

NO. DATE

SHEET NUMBER
A6.1

SHEET CONTENTS
WINDOW/RELITE
TYPES

$1/2'' = 1'-0''$ (22x34); $1/4'' = 1'-0''$ (11x17)

FINISH SCHEDULE																	
ROOM NUMBER	ROOM NAME	FLOOR		BASE		NORTH		EAST		SOUTH		WEST		CEILING			REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	WALL		WALL		WALL		WALL		MATERIAL	FINISH	HEIGHT	
						MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH				
101	ARCTIC ENTRY	F3	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C2	FF	9' - 0"	
102	ENTRY HALL	F3	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C4	P1/S2	12' - 11"	
103	LOBBY	F3	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C4	P1/S2	12' - 11"	
104	ADMIN HALL	F3	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C2	FF	9' - 0"	
105	WOMEN'S R.R.	F3	FF	B1	FF	W2	P2	W2	P2	W2	P2	W2	P2	C1	P1	9' - 0"	
106	MEN'S R.R.	F3	FF	B1	FF	W2	P2	W2	P2	W2	P2	W2	P2	C1	P1	9' - 0"	
107	JANITOR	F5	S1	B1	FF	W2	P2	W2	P2	W2	P2	W2	P2	C1	P1	9' - 0"	
108	CONFERENCE ROOM	F1	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C1, C3	P1, FF	0"	COFFERED CEILING HEIGHTS: VARIES AT CENTER, 9'-6" AT PERIMETER
109	ELECTRICAL/IT ROOM	F4	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C1	P1	11' - 6"	
110	HARBOR MASTER OFFICE	F3	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C3	FF	9' - 6"	
111	ADMIN STORAGE	F1	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C1	P1	9' - 0"	
112	ADMIN OPEN OFFICE	F1, F3	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C4	P1/S2	0"	FLOOR FINISH VARIES (SEE A1/A2.4), CEILING HEIGHT VARIES (SEE A1/A2.1)
113	PRINTER ALCOVE	F1	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C4	P1/S2	12' - 11"	
114	OPERATIONS	F2	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C4	P1/S2	12' - 11"	
115	DEPUTY HARBOR MASTER OFFICE	F2	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C2	FF	9' - 0"	
116	MULTI-PURPOSE BREAK ROOM	F2	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C2, C4	FF, P1/S2	0"	C2 CEILING HEIGHT: 9'-0", C4 CEILING HEIGHT: 12' 11"
117	STORAGE	F1	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C2	FF	9' - 0"	
118	PRIVATE HALL	F2	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C2	FF	9' - 0"	
119	MEETING ROOM	F1	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C2	FF	9' - 0"	
120	MECHANICAL ROOM	F5	S1	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C1	P1	11' - 6"	
121	LOCKER ROOM	F2	FF	B1	FF	W1	P1	W1	P1	W1	P1	W1	P1	C2	FF	8' - 6"	
122	UNISEX RESTROOM	F2	FF	B1	FF	W2	P2	W2	P2	W2	P2	W2	P2	C1	P1	9' - 0"	
123	STORAGE/SHOP	F5	S1	B1	FF	W2	P2	W2	P2	W2	P2	W2	P2	C1	P1	11' - 6"	

- GENERAL NOTES:
1.

ALL COLORS SHALL BE SELECTED BY ARCHITECT UNLESS INDICATED OTHERWISE.
2.

WALLS INDICATED AS BEING PAINTED IN ROOMS THAT RECEIVE ACOUSTICAL CEILING TILE, ARE TO BE PAINTED APPROXIMATELY 4" ABOVE CEILING HEIGHT.
3.

SEE PARTITION TYPES ON SHEET A4.4 FOR THICKNESS OF GYPSUM WALL BOARD.

FINISH SCHEDULE LEGEND					
APPLIED FINISHES		FLOORS		BASE	WALLS
P1	SEMI-GLOSS PAINT	F1	CARPET TILE	B1 RUBBER BASE	W1 GYPSUM WALL BOARD
P2	HIGH PERFORMANCE COATING	F2	RUBBER FLOOR TILE		W2 MOISTURE RESISTANT GYPSUM WALL BOARD
		F3	VINYL PLANK FLOORING		
S1	CONCRETE FLOOR SEALER	F4	STATIC-DISSIPATIVE RUBBER TILE		
S2	TRANSPARENT FINISH	F5	EXPOSED CONCRETE		
FF	FACTORY FINISH				

CEILINGS	
C1	5/8" TYPE X GYPSUM BOARD
C2	2"x4' ACOUSTICAL CEILING TILE
C3	2"x2' ACOUSTICAL CEILING TILE
C4	5/8" TYPE X GYPSUM BOARD AND EXPOSED GLU LAM BEAMS



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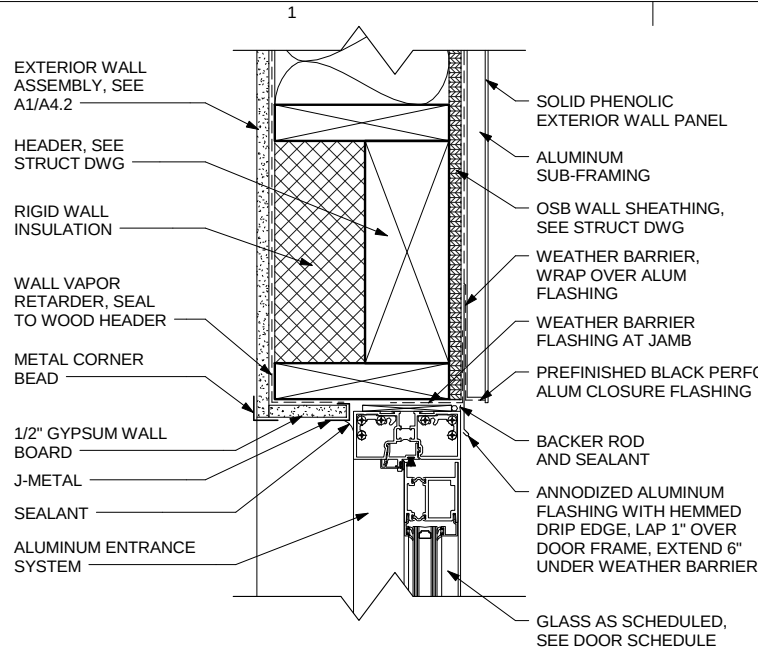
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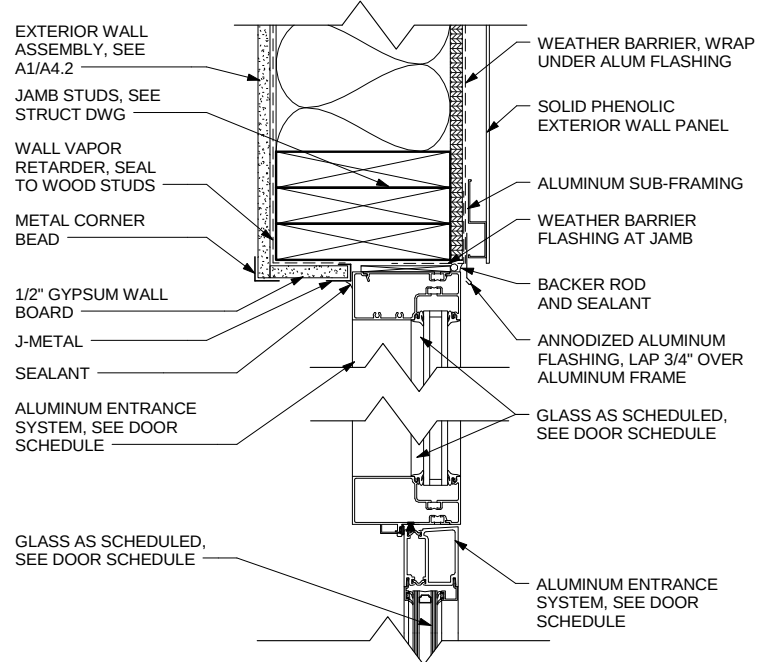
A6.2

SHEET CONTENTS

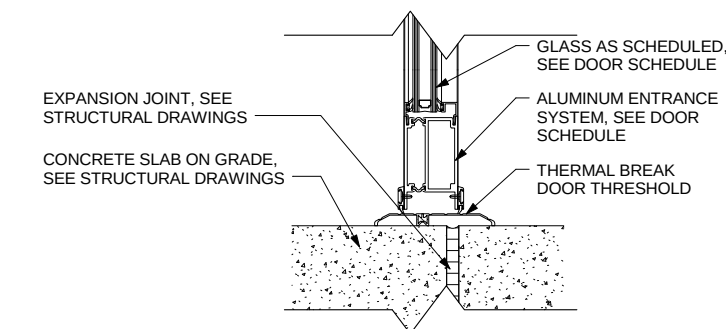
FINISH SCHEDULE



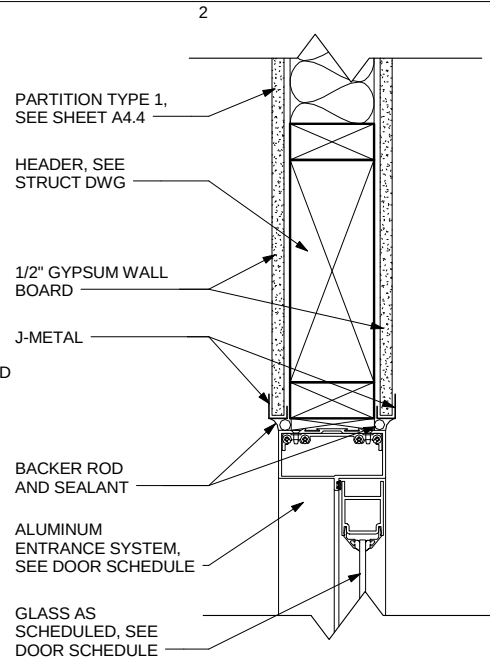
C1 DOOR 101-1 HEAD DETAIL
A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



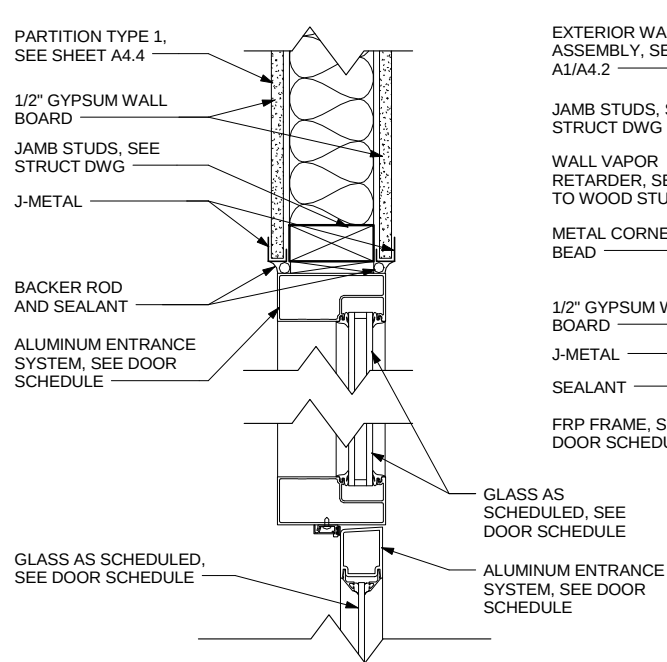
B1 DOOR 101-1 JAMB DETAIL
A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



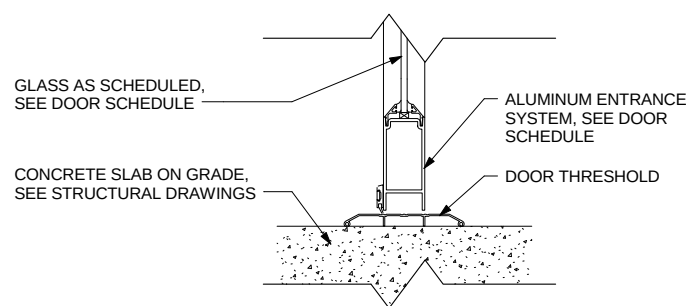
A1 DOOR 101-1 THRESHOLD DETAIL
A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



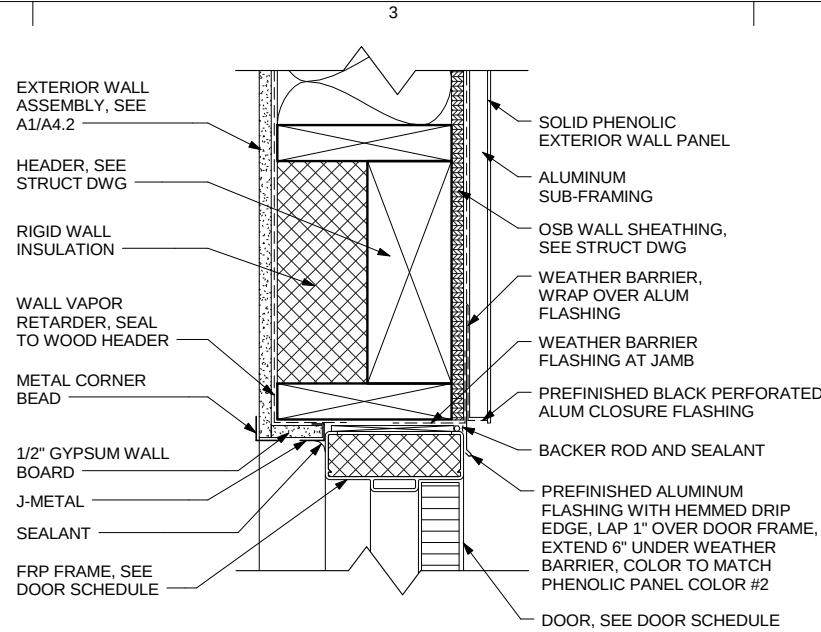
C2 DOOR 101-2 HEAD
A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



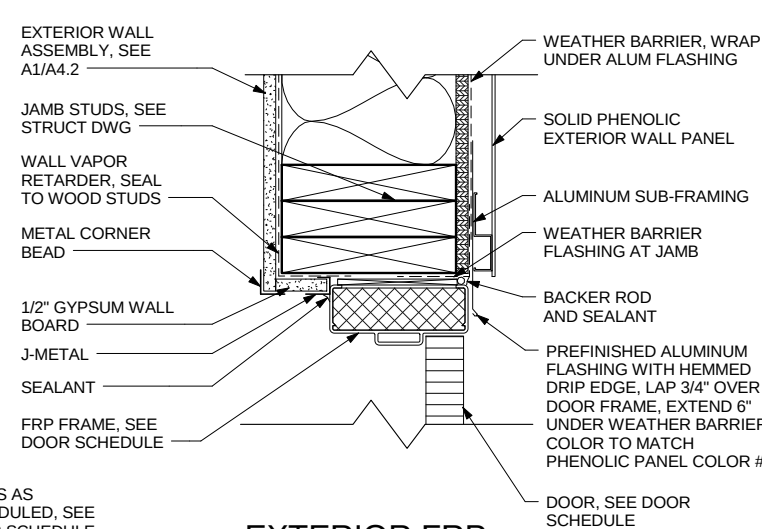
B2 DOOR 101-2 JAMB
A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



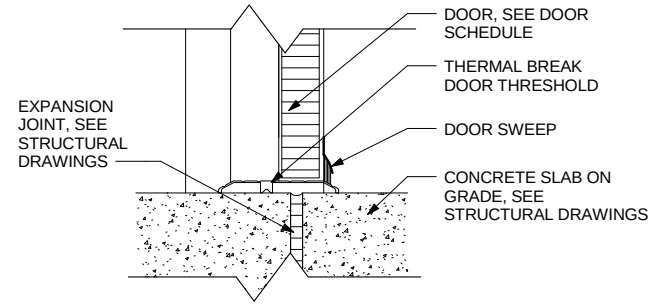
A2 DOOR 101-2 THRESHOLD
A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



EXTERIOR FRP DOOR FRAME HEAD
C3 A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



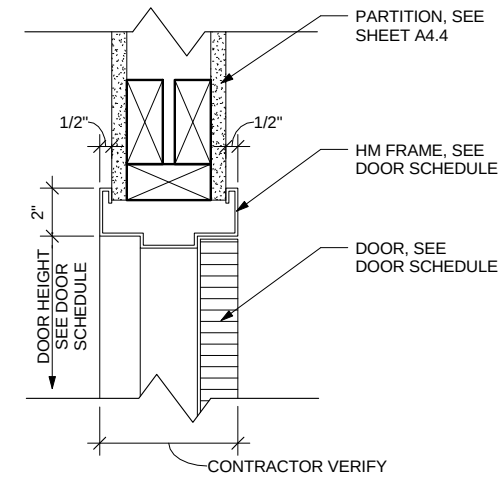
EXTERIOR FRP DOOR FRAME JAMB
B3 A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



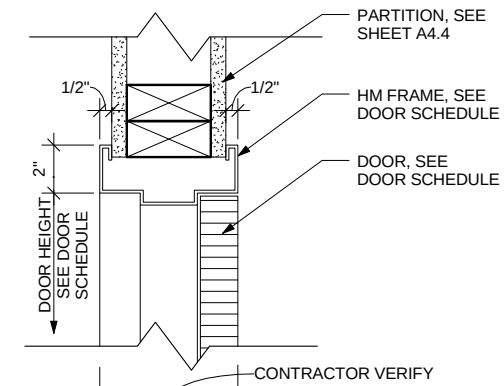
EXTERIOR FRP DOOR FRAME THRESHOLD
A3 A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)

GENERAL NOTES:

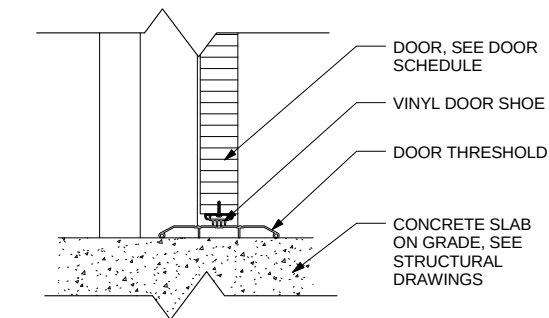
1. SEE PARTITION TYPES ON SHEET A4.4 FOR HOLLOW METAL FRAME THROAT DIMENSIONS.



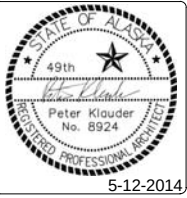
C4 INTERIOR HOLLOW METAL DOOR FRAME HEAD
A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



B4 INTERIOR HOLLOW METAL DOOR FRAME JAMB
A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



INTERIOR HOLLOW METAL DOOR FRAME THRESHOLD
A4 A6.3 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



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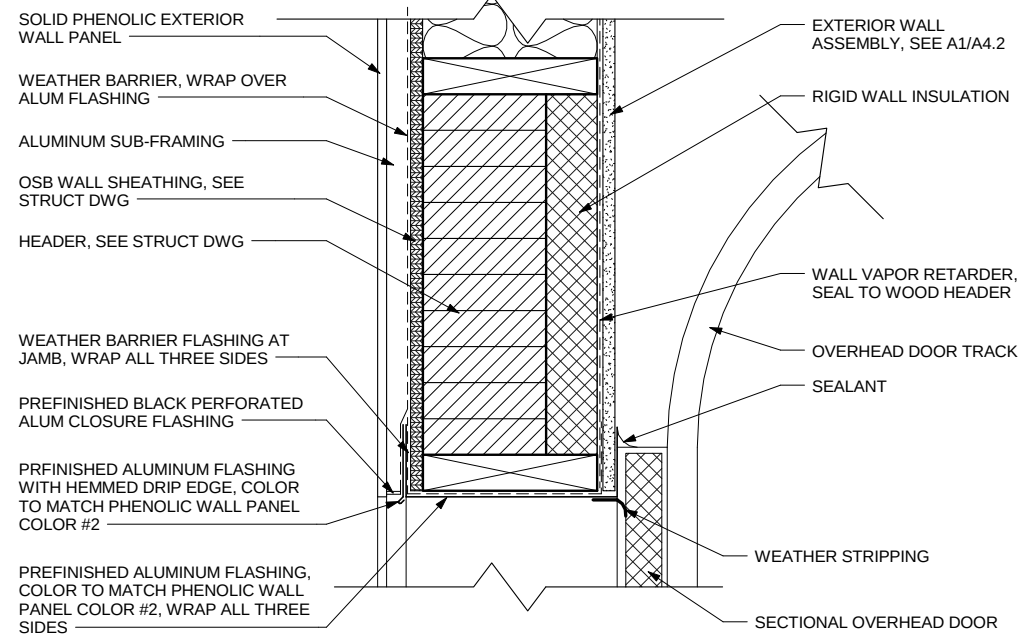
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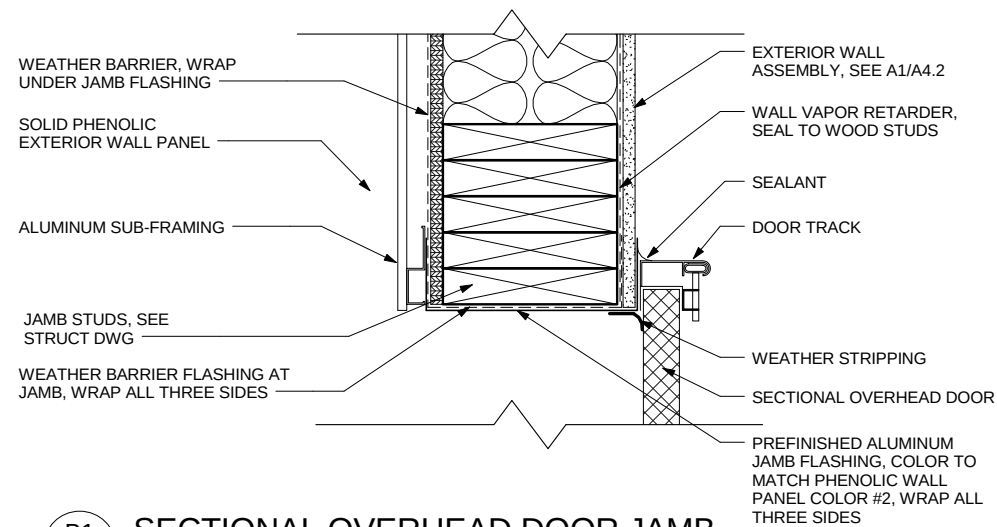
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klauter@alaska.net

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CHECKED: PK
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DATE: 5-12-2014
REVISIONS:
NO. DATE

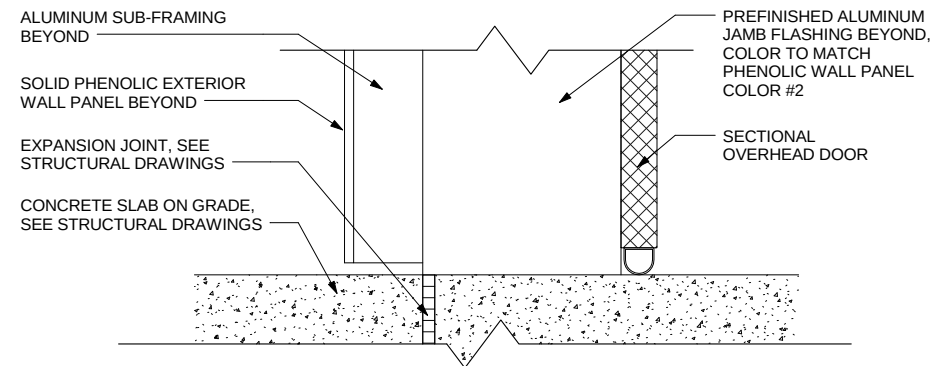
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DOOR DETAILS

**C1 SECTIONAL OVERHEAD DOOR HEAD**

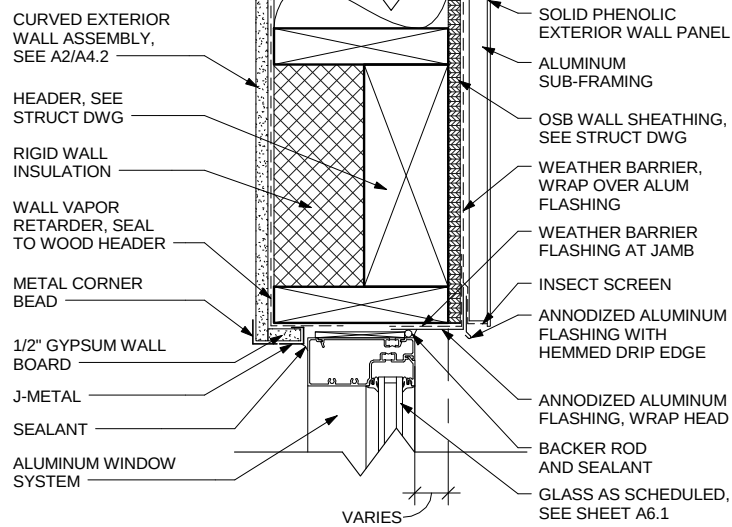
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**B1 SECTIONAL OVERHEAD DOOR JAMB**

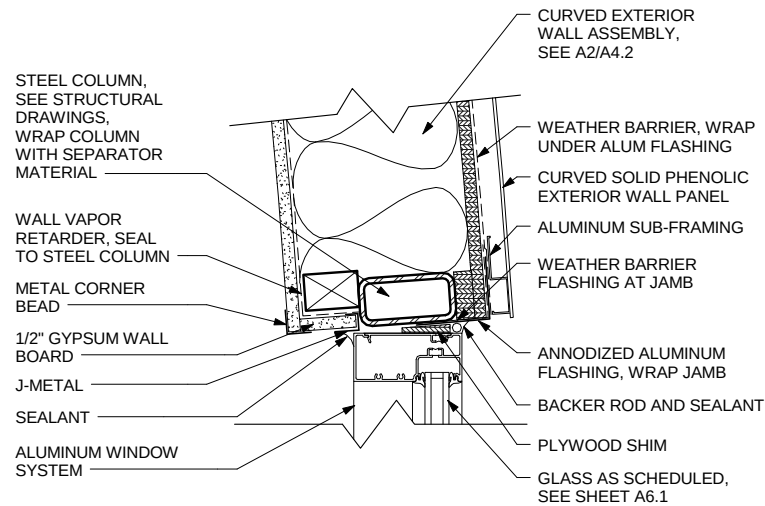
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**A1 SECTIONAL OVERHEAD DOOR THRESHOLD**

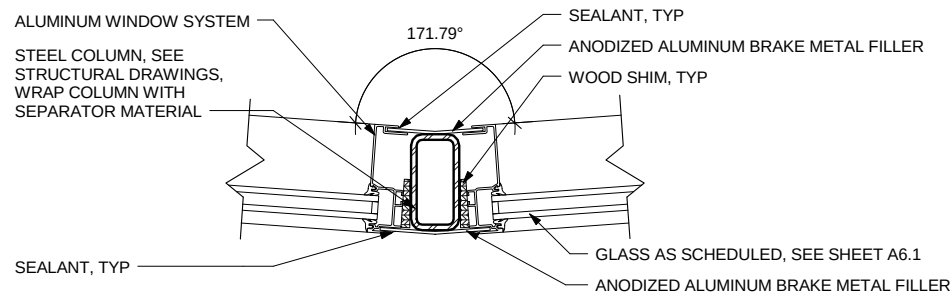
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**C2 TYP CURVED WINDOW HEAD DETAIL**

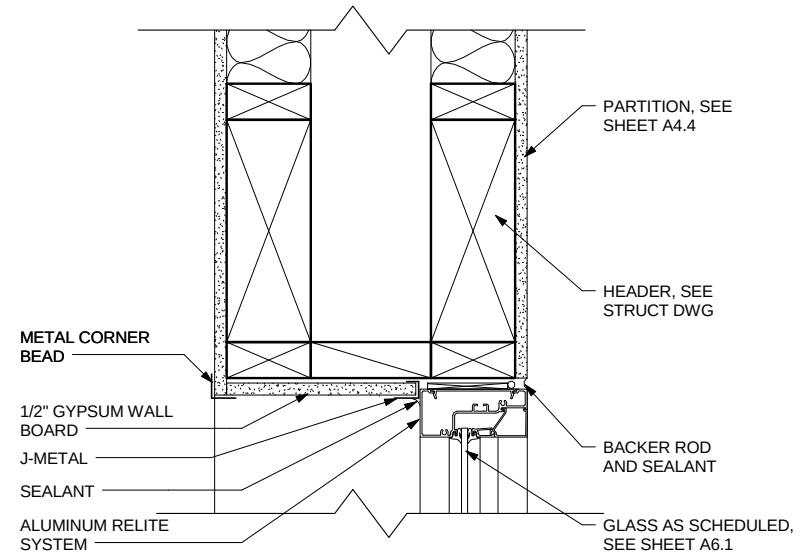
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**B2 TYP CURVED WINDOW JAMB DETAIL**

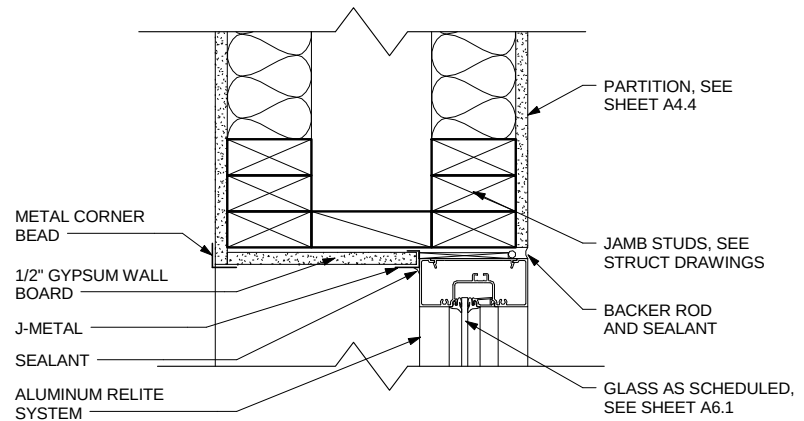
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**A2 TYP CURVED WINDOW VERTICAL MULLION DETAIL**

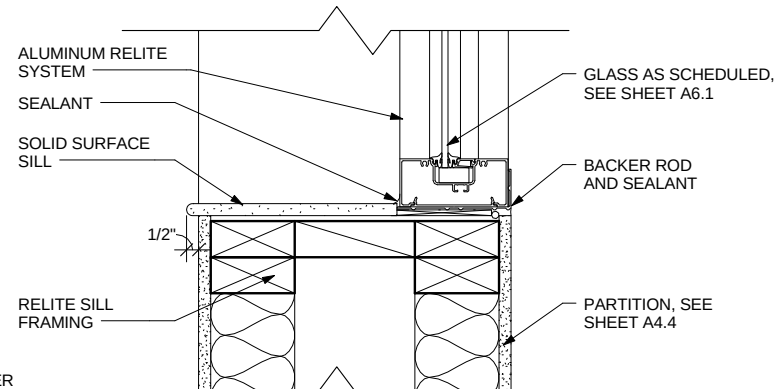
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**C3 TYP ALUM RELITE HEAD DETAIL**

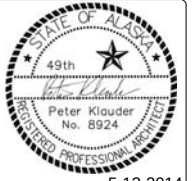
A6.4 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)

**B3 TYP ALUM RELITE JAMB DETAIL**

A6.4 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)

**A3 TYP ALUM RELITE SILL DETAIL**

A6.4 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



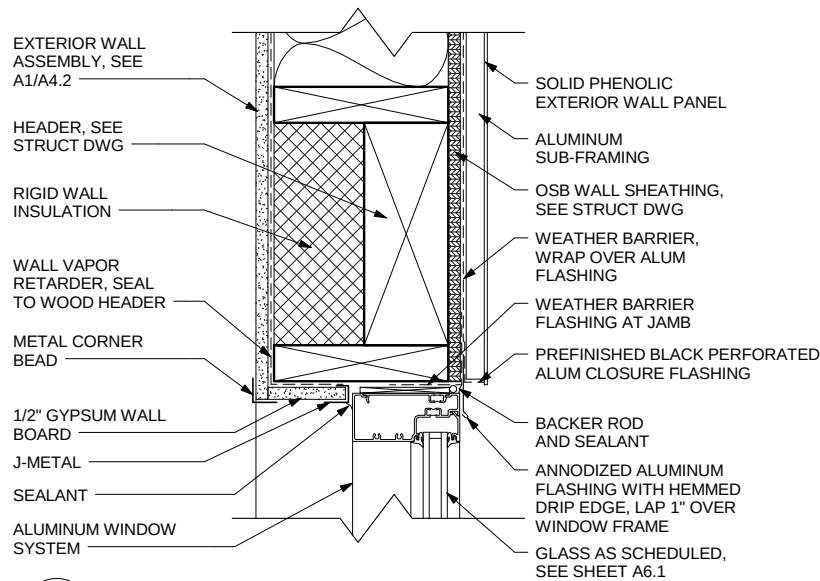
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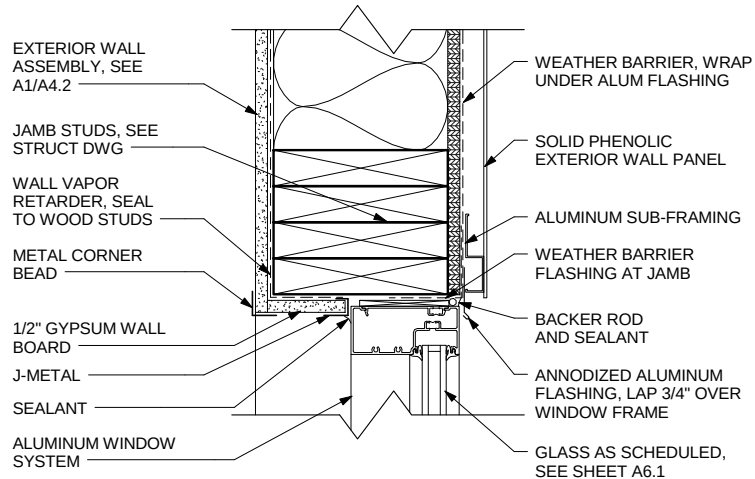
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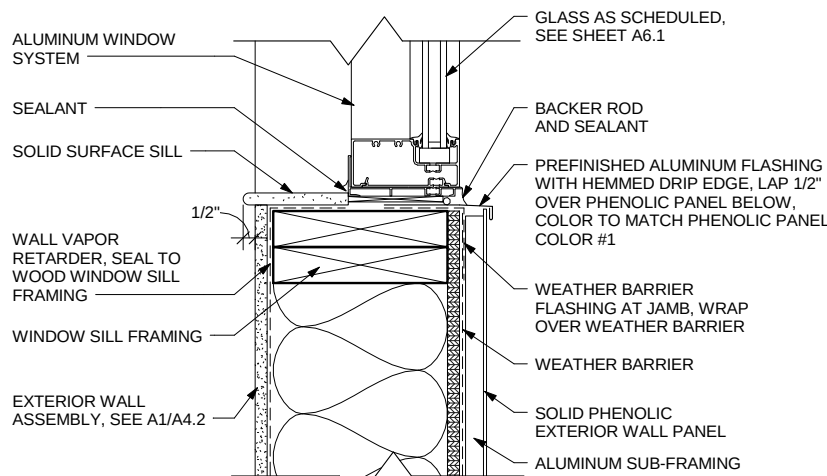
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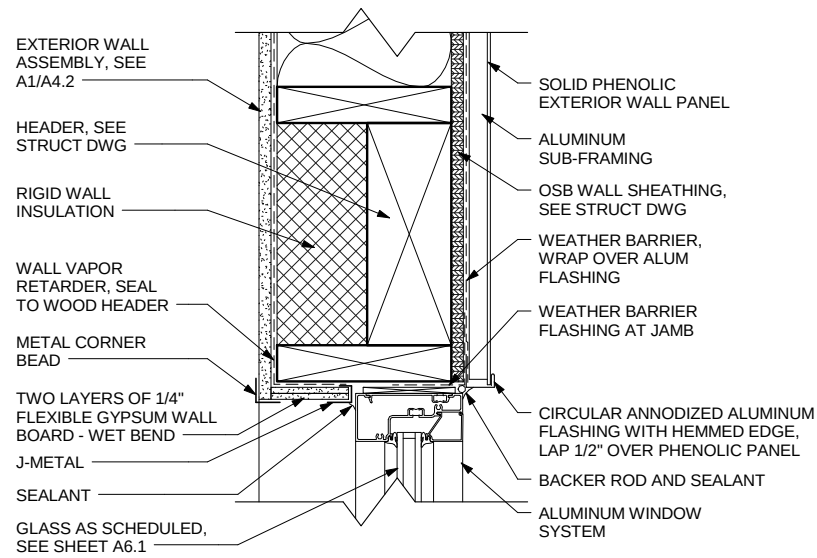
C1 TYP WINDOW HEAD DETAIL
A6.5 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



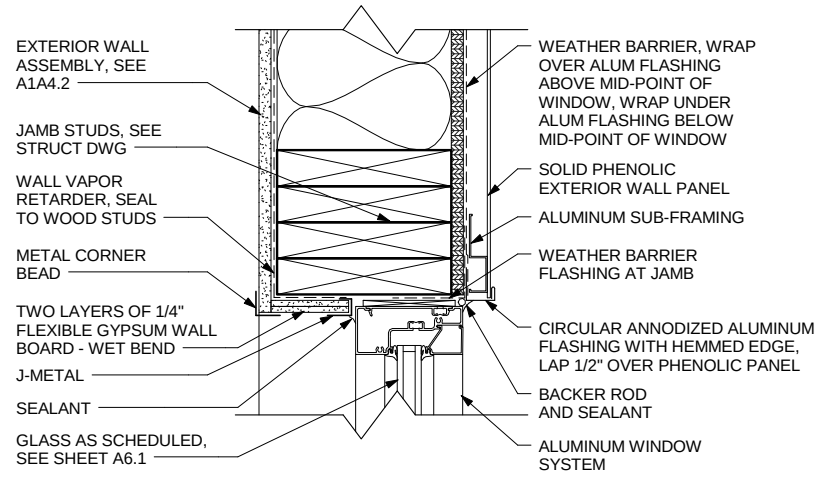
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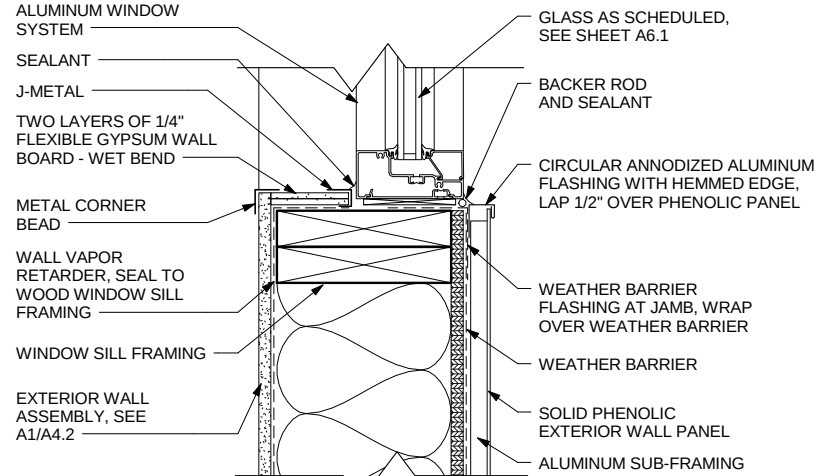
A1 TYP WINDOW SILL DETAIL
A6.5 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



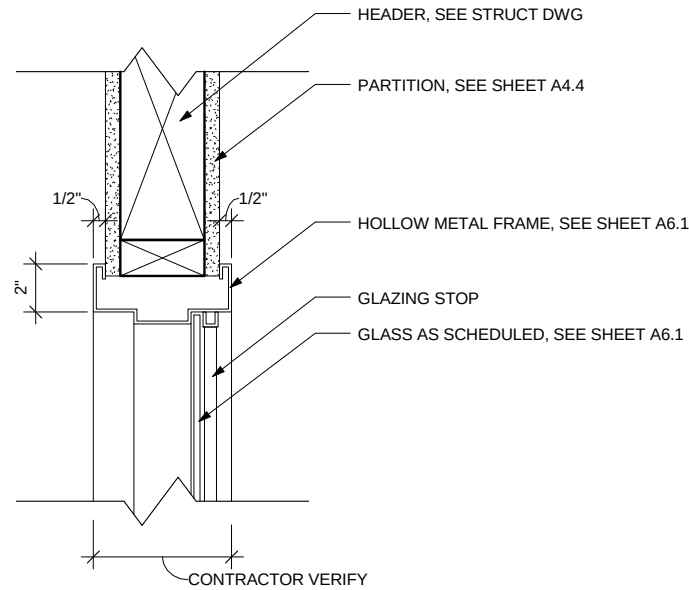
C2 CIRCULAR WINDOW HEAD DETAIL
A6.5 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



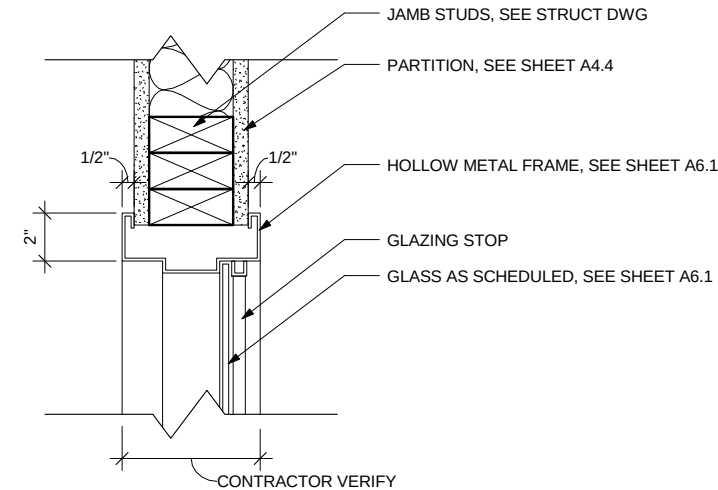
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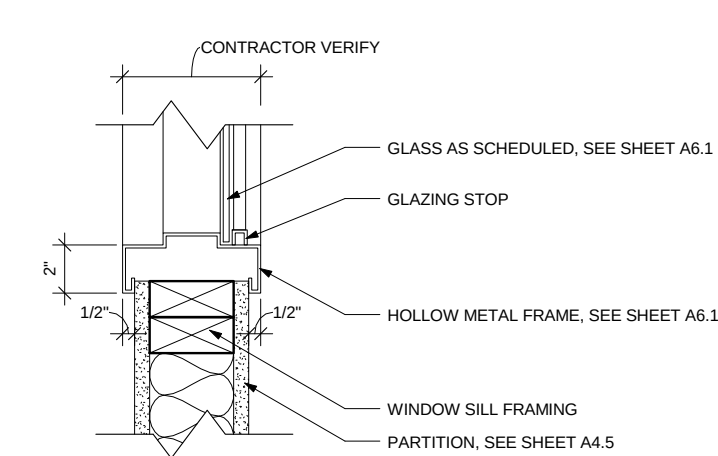
A2 CIRCULAR WINDOW SILL DETAIL
A6.5 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



C3 TYP HOLLOW METAL RELITE HEAD DETAIL
A6.5 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



B3 TYP HOLLOW METAL RELITE JAMB DETAIL
A6.5 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



A3 TYP HOLLOW METAL RELITE SILL DETAIL
A6.5 3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)

GENERAL NOTES:

1. SEE PARTITION TYPES ON SHEET A4.4 FOR HOLLOW METAL FRAME THROAT DIMENSIONS.



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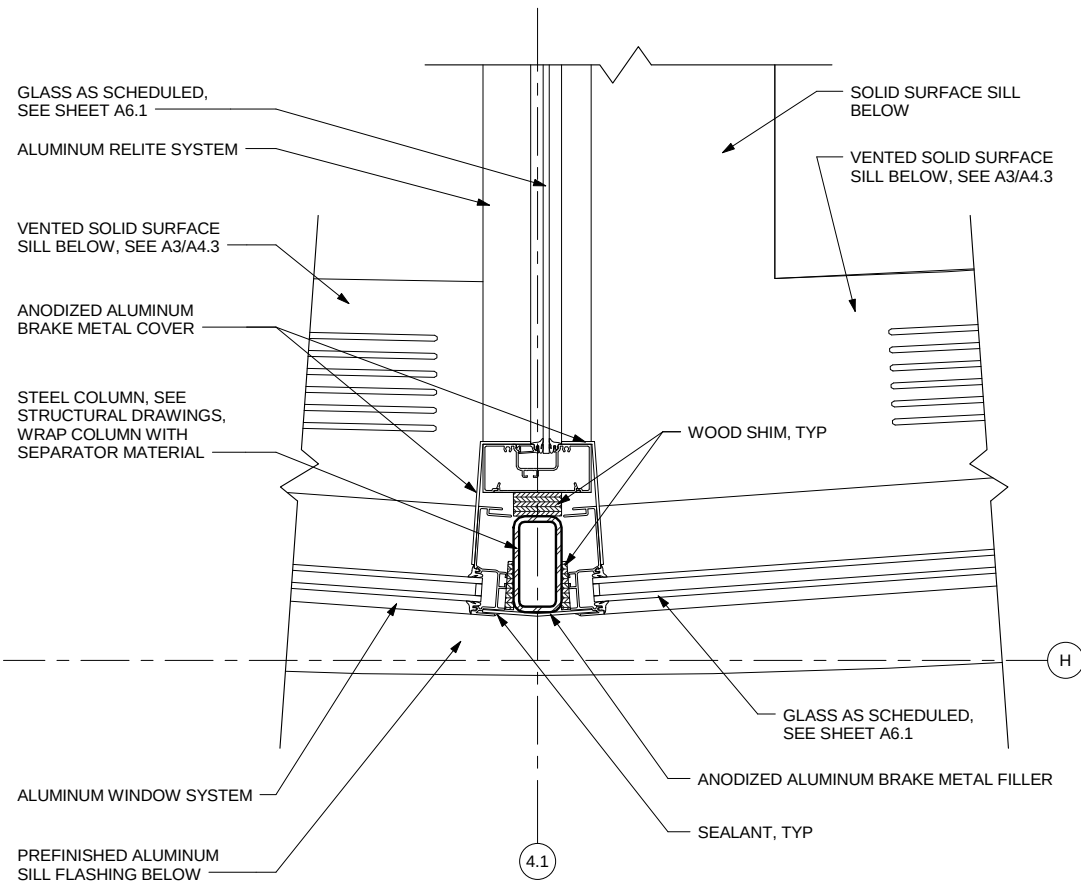
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D

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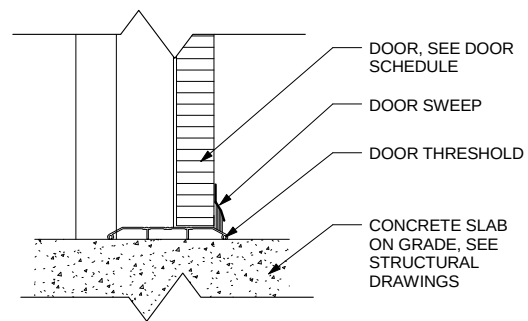
A

A1
A6.6

ALUM RELITE JAMB AT CURVED WINDOW

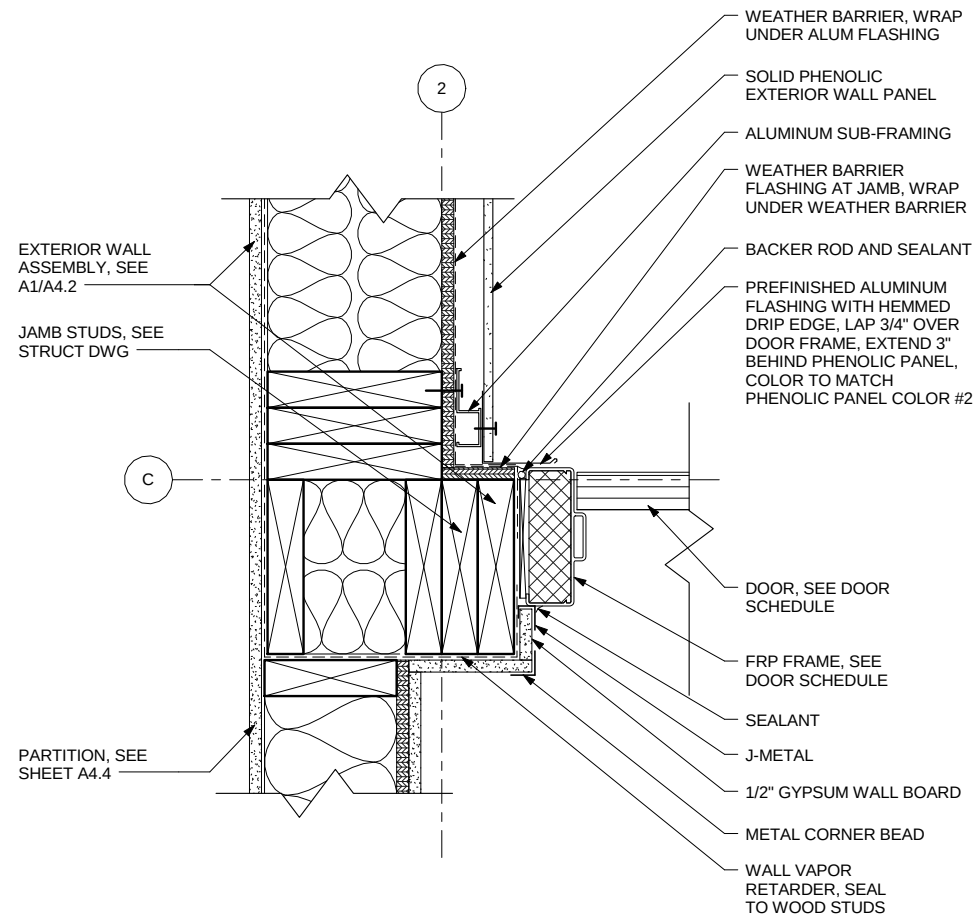
3" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)

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A2
A6.6INTERIOR HOLLOW METAL
DOOR FRAME THRESHOLD

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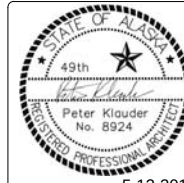
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A3
A6.6

EXTERIOR FRP DOOR FRAME JAMB

3" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)

4



5-12-2014

D

C

B

A

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GENERAL

ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF THE INTERNATIONAL CODE COUNCIL INTERNATIONAL BUILDING CODE (IBC) 2009 EDITION. WHERE EXPLICIT DETAILS ARE NOT SHOWN OR DESCRIBED, THE MINIMUM REQUIREMENTS OF THE ABOVE CODE SHALL APPLY. UNLESS OTHERWISE NOTED, ALL CODES, STANDARDS AND OTHER PUBLICATIONS CITED SHALL REFER TO THE LATEST EDITION.

LOCATION

THESE DRAWINGS ARE INTENDED FOR THE CONSTRUCTION OF (1) BUILDING LOCATED IN HOMER, ALASKA.

DESIGN LOADS

IN ADDITION TO DEAD LOADS, THE FOLLOWING LOADS WERE USED FOR DESIGN:
OCCUPANCY CATEGORY: II

ROOF:

GROUND SNOW LOAD	Pg=40 PSF
FLAT-ROOF SNOW LOAD	Pf=40 PSF
SNOW EXPOSURE FACTOR	Ce=1.0
SNOW LOAD IMPORT. FACTOR	Is= 1.0

FLOOR LIVE LOAD:

100PSF CORRIDORS
60 PSF OFFICES

WIND:

BASIC WIND SPEED (3 SEC GUST) V=120 MPH
EXPOSURE D EXP=1.47
WIND LOAD IMPORT. FACTOR Iw=1.0
METHOD 1 SIMPLIFIED PROCEDURE USED FOR DESIGN. SEE ROOF PLAN FOR COMP AND CLADDING WIND LOADS TO BE USED FOR DESIGN. OTHER LOADS SHALL BE PER ASCE 7-05.

SEISMIC:

SEISMIC LOAD IMPORT. FACTOR Ie=1.0
SPECT. RESPONSE ACCEL. Ss=148%, S1=56%
SITE CLASS D.
SPECTRAL RESPONSE COEFF. Sds=0.99 Sd1=0.56
SEISMIC DESIGN CATEGORY: D
LATERAL LOADS ARE RESISTED BY WOOD SHEAR WALLS AND PLYWOOD ROOF DIAPHRAGM.
BUILDING SEISMIC BASE SHEAR V=33.7k
SEISMIC RESPONSE COEFF. Cs=0.164
RESPONSE MODIFICATION FACTOR R=6
EQUIVALENT LATERAL FORCE PROCEDURE USED FOR DESIGN

FUTURE CONSTRUCTION:

BUILDING FOUNDATION AND FRAMING DESIGNED TO SUPPORT ADDITIONAL FUTURE STORY WITH SIMILAR FRAMING LAYOUT AND DESIGN LOADS.

FOUNDATIONS

INSITU SOILS ARE ASSUMED TO BE NON-FROST SUSCEPTABLE (NFS) GRAVEL. EXCAVATE EXISTING SOILS AS REQUIRED TO PLACE FOUNDATION AT ELEVATIONS LISTED ON PLANS. COMPACT SUBGRADE TO 95% OF MAX DRY DENSITY PRIOR TO PLACING FOOTINGS ON FILL. PLACE ALL INTERIOR AND EXTERIOR FOOTINGS ON COMPACTED NATURAL UNDISTURBED, NFS SOIL OR ON COMPACTED NON-FROST SUSCEPTIBLE TYPE III GRAVEL BACKFILL FREE OF ORGANIC MATTER AND DEBRIS. BACKFILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES IN LOOSE THICKNESS AND COMPACTED TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATION D-1557. ALLOWABLE BEARING CAPACITY OF 3000 PSF WAS USED FOR DESIGN.

SLABS ON GRADE

EXCAVATE OR FILL REQUIRED TO PLACE SLAB AT ELEVATIONS INDICATED ON THE DRAWINGS. COMPACT THE EXISTING SOIL TO 95% OF MAXIMUM DENSITY AND BACKFILL WITH NON-FROST SUSCEPTIBLE GRAVEL AND COMPACT AS DESCRIBED ABOVE. PLACE REINFORCING STEEL AT MID-DEPTH OF SLAB AND SUPPORT AT 4"O/C MAXIMUM WITH WELL CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS. DO NOT SUPPORT ON STONES. PROVIDE SAWCUT CONTROL OR CONSTRUCTION JOINTS (C.J.) AT LOCATIONS SHOWN ON THE PLANS AND AT 12' O/C MAXIMUM.

EXTERIOR SLABS: PROVIDE A MINIMUM OF 72 INCHES OF NON-FROST SUSCEPTIBLE GRAVEL BELOW SLAB CONFORMING TO THE GRADATION AND COMPACTION REQUIREMENTS DESCRIBED ABOVE FOR FOUNDATIONS.

DRAINAGE: SLOPE ALL EXTERIOR SLABS ADJACENT TO BUILDINGS TO DRAIN AWAY FROM BUILDING PERIMETER AT 1/8" PER FOOT MINIMUM SLOPE.

CONCRETE

MIXING, SELECTION OF MATERIALS, AND PLACING OF ALL CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF THE IBC, CHAPTER 19. AN AIR ENTRAINING AGENT SHALL BE USED IN ALL CONCRETE MIXES FOR CONCRETE WORK WHICH IS TO BE EXPOSED TO EARTH OR WEATHER. AIR ENTRAINMENT SHALL BE 5% +/- 1% BY VOLUME. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (F'C) = 3000 P.S.I. EXCEPT CONCRETE GROUT FOR MASONRY WALLS WHICH SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (F'c)= 2000 P.S.I. CONCRETE FOR INTERIOR AND EXTERIOR SLABS SHALL CONTAIN 0.1% BY VOLUME 'GENSIS FIBER' COLLATED FIBRILLATED POLYPROPYLENE FIBER PER CUBIC YARD OF CONCRETE. THE FIBER SHALL BE THOROUGHLY MIXED INTO THE CONCRETE IN TRANSIT TO THE SITE, IN ACCORDANCE WITH THE FIBER MANUFACTURER'S RECOMMENDATIONS.

REINFORCING STEEL

UNLESS NOTED OTHERWISE, ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO IBC CHAPTER 19. REINFORCING BARS SHALL BE GRADE 60. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 DOUBLE ANNEALED IRON WIRE. REINFORCING IN FOOTINGS SHALL BE SUPPORTED ON WELL CURED CONCRETE BLOCKING OR APPROVED METAL CHAIRS. REINFORCING BARS SHALL BE SPLICED BY A LAP OF AT LEAST 40 BAR DIAMETERS. A MINIMUM LAP FOR ALL BARS SHALL BE 24". CONCRETE COVER OVER REINFORCING SHALL BE 3" FOR CONCRETE CAST AGAINST EARTH. CONCRETE COVER FOR FORMED CONCRETE THAT WILL BE EXPOSED TO WEATHER OR EARTH SHALL BE 2" MINIMUM FOR #6 THROUGH #18 BARS AND 1 1/2" MINIMUM FOR #5 BARS AND SMALLER, INCLUDING WELDED WIRE FABRIC (WWF). OTHER REINFORCEMENT SHALL HAVE A MINIMUM COVERAGE OF NOT LESS THAN 3/4".

ANCHOR BOLTS AND CONCRETE EXPANSION ANCHORS

ANCHOR BOLTS, THREADED RODS AND CONCRETE EXPANSION ANCHORS SHALL CONFORM TO ASTM A 307. CONCRETE EXPANSION ANCHORS (KB) SHALL BE "HILTI KWIK BOLT TZ" CONCRETE EXPANSION ANCHORS OR STRUCTURAL EQUIVALENT, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ANCHOR BOLTS SHALL BE PROVIDED WITH HEX HEAD NUTS AND 3"x3"x1/4" STEEL PLATE WASHERS. WHERE BOLTS OR RODS ARE USED WITH CEDAR SILL PLATES, BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. ALL FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED OR SHALL BE STAINLESS STEEL. PROVIDE 5/8" X 10" ANCHOR BOLTS AT 48" O/C SPACING UNLESS NOTED OTHERWISE AND WITHIN 6" OF WALL OPENINGS AND BUILDING CORNERS.

ADHESIVE ANCHORING SYSTEM

THREADED ROD ANCHORS AND REINFORCING BAR DOWELS SHALL BE SET IN HILTI HIT RE-500SD ADHESIVE OR STRUCTURAL EQUIVALENT. ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE ADHESIVE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES. MINIMUM EMBEDMENT IN CONCRETE FOR ALL ANCHORS SHALL BE 31/2" UNLESS NOTED OTHERWISE.

POWER FASTENERS

POWER FASTENERS FOR CONNECTION TO CONCRETE, OR STEEL SHALL BE POWDER ACTUATED HILTI X-AL-H HEAVY DUTY DOME HEAD NAILS WITH 0.177 INCH SHANK DIAMETER. MINIMUM FASTENER EMBEDMENT SHALL BE 1 3/8". NAIL LENGTH SHALL BE AS REQUIRED TO ACHIEVE SPECIFIED MINIMUM PENETRATION INTO SUBSTRATE. FASTENERS SHALL BE HOT-DIPPED GALVANIZED AT EXTERIOR CONDITIONS.

POWDER FASTENERS FOR CONNECTION INTO CONCRETE MASONRY UNITS SHALL BE POWDER ACTUATED HILTI X-C STANDARD NAILS WITH A MINIMUM SHANK DIAMETER OF 0.138". MINIMUM FASTENER EMBEDMENT SHALL BE 1". NAIL LENGTH SHALL BE AS REQUIRED TO ACHIEVE SPECIFIED MINIMUM PENETRATION INTO SUBSTRATE.

FOUNDATION INSULATION

FOUNDATION INSULATION SHALL BE 'DOW HIGHLOAD 40' EXTRUDED POLYSTYRENE INSULATION, 'BLUEBOARD' OR 'INSULFOAM' HIGH DENSITY EXPANDED POLYSTYRENE . WITH 40 PSI MINIMUM COMPRESSIVE STRENGTH.

STRUCTURAL STEEL AND CONNECTORS

STRUCTURAL STEEL SHALL CONFORM TO IBC CHAPTER 22, FOR ASTM SPECIFICATION A-36, FY = 36 K.S.I. EXCEPT WHERE NOTED OTHERWISE. STEEL TUBING (HSS) SHALL CONFORM TO ASTM A500, GRADE B, FY = 46 K.S.I. DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE IBC CHAPTER 22, DIVISION IX, ALLOWABLE STRESS DESIGN. MACHINE BOLTS (MB) SHALL CONFORM TO ASTM A325 AND SHALL BE PROVIDED WITH STANDARD HEX HEAD NUTS CONFORMING TO ASTM A563, GRADE A AND HARDENED STEEL CIRCULAR WASHERS CONFORMING TO ASTM F436. ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY D1.1. WELD ALL FAYING SURFACES WITH CONTINUOUS 3/16" FILLET WELD (MINIMUM) UNLESS OTHERWISE NOTED. ELECTRODES SHALL BE A.W.S. E-70. ANCHOR ALL COLUMNS WITH MINIMUM (4) 3/4" X 10" ANCHOR BOLTS UNLESS SHOWN OTHERWISE. PROVIDE ADEQUATE LATERAL BRACING FOR STRUCTURE DURING CONSTRUCTION. ALL WELDS SHALL BE MADE WITH A FILLER METAL CAPABLE OF PROVIDING A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 0 DEG F. DEMAND CRITICAL WELDS SHALL USE FILLER METAL CAPABLE OF PROVIDING A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT -20 DEG F. STEEL FABRICATOR SHALL BE CERTIFIED BY AISC FOR FABRICATION OF STEEL BUILDING STRUCTURES. UPON COMPLETION OF WORK, FABRICATOR SHALL SUBMIT CERTIFICATION OF COMPLIANCE.

SAWN LUMBER AND TIMBER

LUMBER SHALL CONFORM TO THE CLASSIFICATION, DEFINITION, AND GRADING REQUIREMENTS OF IBC CHAPTER 23 WITH ALLOWABLE UNIT STRESSES AS GIVEN IN THE AMERICAN FOREST & PAPER ASSOCIATION 'NATIONAL DESIGN SPECIFICATION 2001 SUPPLEMENT', TABLE 4A. LUMBER SHALL BE GRADE MARKED BY THE WEST COAST LUMBER INSPECTION BUREAU /WESTERN WOOD PRODUCTS ASSOCIATION.

ITEM	SPECIES
4 X AND LARGER	DOUGLAS FIR #2
BEARING WALL PLATES	HEM FIR #2
BEARING WALL STUDS	HEM FIR #2
ALL OTHER LUMBER	HEM FIR #2

ALL LUMBER SHALL BE FASTENED IN CONFORMANCE WITH TABLE 2304.9.1 OF THE IBC, UNLESS NOTED OTHERWISE. FASTENERS SHALL BE GALVANIZED UNLESS OTHERWISE NOTED. FASTEN ALL JOIST BLOCKING TO PLATES WITH (4) 16d MINIMUM AND FASTEN ALL WALL PLATES TO WOOD FLOORS WITH 16d AT 6" ON CENTER TYPICAL. DOUBLE TOP PLATES SHALL OVERLAP 10' - 0" MINIMUM AND SHALL BE SPLICED TOGETHER WITH 16d NAILS AT 6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

PROVIDE JOIST/BEAM HANGERS WITH LOAD CAPACITY EQUAL TO SUPPORTED MEMBER SHEAR LOAD CAPACITY FOR ALL MEMBERS NOT OTHERWISE PROVIDED WITH DIRECT BEARING SUPPORT. PROVIDE A MINIMUM OF (2) KING STUDS AND (2) CRIPPLE STUDS FOR ALL BEARING WALL HEADERS. PROVIDE A MINIMUM OF (1)KING STUD AND (1) CRIPPLE STUD AT NON-BEARING WALL HEADERS. PROVIDE SOLID BLOCKING SUPPORT FOR BEAMS AND HEADERS CONTINUOUS DOWN TO FOUNDATIONS. MINIMUM HEADER OVER OPENINGS IN BEARING WALLS SHALL BE 4X12 DF#1 UNLESS NOTED OTHERWISE.

BOLT HEADS AND NUTS BEARING AGAINST WOOD TO BE PROVIDED WITH FLAT WASHERS. SOLID BLOCKING OF NOT LESS THAN 2" NOMINAL THICKNESS SHALL BE PROVIDED AT ENDS AND AT ALL SUPPORTS OF JOISTS AND RAFTERS, UNLESS SHOWN OTHERWISE. BEAM AND JOIST HANGERS SHALL HAVE A CAPACITY EQUAL TO THE SHEAR STRENGTH OF THE BEAM OR JOIST WHICH IT IS SUPPORTING, UNLESS NOTED OTHERWISE. ALL METAL FRAMING ANCHORS AND HANGERS SHOWN ON DRAWINGS SHALL BE "STRONG TIE CONNECTORS" AS MANUFACTURED BY SIMPSON COMPANY OR APPROVED EQUAL. ALL SIMPSON CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE TYPE 304 OR TYPE 316 STAINLESS STEEL.

GLUED LAMINATED STRUCTURAL UNITS
MATERIALS, MANUFACTURE, AND QUALITY CONTROL OF GLUED LAMINATED STRUCTURAL UNITS (GLULAM) SHALL CONFORM TO IBC CHAPTER 23 WITH ALLOWABLE STRESSES AS DEFINED IN AMERICAN FOREST & PAPER ASSOCIATION 'NATIONAL DESIGN SPECIFICATION 2001 SUPPLEMENT', TABLE 5A, AND SHALL BE DOUGLAS FIR, COMBINATION 24F-V8, DF/DF. GLUE LAMINATED STRUCTURAL UNITS SHALL BE GRADE MARKED BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, AITC.

MANUFACTURED WOOD JOISTS

FABRICATED WOOD JOISTS SHALL BE OF THE SIZE INDICATED ON THE DRAWINGS AND AS MANUFACTURED BY BOISE CASCADE OR APPROVED EQUAL. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION, HANDLING AND ERECTION OF FLOOR JOISTS. PROVIDE WEB STIFFENERS PER MANUFACTURER'S RECOMMENDATIONS AND ON BOTH SIDES OF WEBS WHERE JOISTS ARE SUPPORTED BY JOIST HANGERS. PROVIDE BLOCKING PANELS AT SUPPORTS AND ENDS OF JOISTS. PROVIDE FULL THICKNESS BACKER PLATE BETWEEN DOUBLE JOISTS WHERE JOIST IS FRAMED PERPENDICULAR INTO A DOUBLE JOIST. PROVIDE SOLID RIM JOISTS AROUND FULL PERIMETER OF FLOOR SYSTEM. UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE LAMINATED VENEER LUMBER HEADERS, WITH DEPTH EQUAL TO JOIST DEPTH, AT ALL OPENINGS IN FLOOR AND ROOF SYSTEMS. UNLESS NOTED OTHERWISE, PROVIDE FACE MOUNT JOIST HANGERS WITH CAPACITY EQUAL TO THE FULL SHEAR CAPACITY OF THE JOIST AT ALL JOISTS WHERE JOIST IS NOT SUPPORTED BY DIRECT BEARING.

PRESSURE TREATED WOOD

ALL WOOD INDICATED AS PRESSURE TREATED, (PT) SHALL BE PRESSURE TREATED (PT) IN ACCORDANCE THE AMERICAN WOOD PRESERVER'S ASSOCIATION (AWPA) STANDARD U1-02. THE PRESERVATIVE SHALL BE ALKALINE COPPER QUAT (ACQ). ALL WOOD SHALL BE TREATED TO A RETENTION OF 0.60 PCF AS REQUIRED FOR 'GROUND CONTACT' ALL PRESSURE TREATED WOOD SHALL BE APPROPRIATELY MARKED ATTESTING TO COMPLIANCE WITH THESE REQUIREMENTS. LUMBER SHALL BE DRIED AFTER TREATMENT TO A MOISTURE CONTENT OF 19% OR LESS. ALL BOLTS, NAILS AND SIMPSON CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE TYPE 304 OR TYPE 316 STAINLESS STEEL. FIELD TREAT ALL CUTS AND HOLES. PROVIDE 2 COATS OF EFFECTIVE SEALER.

ALL GLULAM BEAMS INDICATED AS PRESSURE TREATED SHALL BE TREATED WITH ACQ PRESERVATIVE PER AWPA U1-02.

PLYWOOD

ALL PLYWOOD SHALL CONFORM TO IBC STANDARD 2303.1.4 AND SHALL BE AMERICAN PLYWOOD ASSOCIATION GRADE TRADE MARKED. PLYWOOD SHALL BE GROUP I OR GROUP II DOUGLAS FIR. ALL PANELS SHALL BE NOMINAL 4' X 8' PANELS. UTILIZE FULL SHEETS WHEREVER POSSIBLE. LAY FACE GRAIN OF ROOF AND FLOOR SHEATHING PANELS PERPENDICULAR TO JOISTS AND TRUSSES AND WITH PANEL CONTINUOUS OVER THREE OR MORE SPANS. STAGGER END JOINTS OF SUCCESSIVE COURSES 4' - 0". WALL SHEATHING SHALL BE INSTALLED WITH THE FACE GRAIN PARALLEL TO STUDS, (LONG DIMENSION VERTICAL).

ROOF SHEATHING: SHALL BE 1 1/8" THICK APA 48 oc SPAN RATED TONGUE AND GROOVE PLYWOOD UNDERLAYMENT WITH EXTERIOR GLUE. SHEATHING SHALL BE GLUED AND SCREWED TO SUPPORTS WITH 2 1/2" X #8 TYPE C COARSE THREAD GRIPPERS AT 6" O/C. FASTEN TO BLOCKING PANELS AND WALL PLATES AT 4" O/C WITH DESIGNATED FASTENERS. BREAK ROWS OF PANELS A MINIMUM OF 2' FROM ENDS OF JOISTS AT INTERIOR LOCATIONS.

ORIENTATED STRAND BOARD (OSB)

ALL ORIENTATED STRAND BOARD SHALL CONFORM TO IBC STANDARD 23-3 AND SHALL BE AMERICAN PLYWOOD ASSOCIATION GRADE TRADE MARKED. ALL PANELS SHALL BE NOMINAL 4'x8' PANELS. UTILIZE FULL SHEETS WHEREVER POSSIBLE. LAY STRENGTH AXIS OF ROOF AND FLOOR SHEATHING PANELS PERPENDICULAR TO SUPPORTS AND WITH PANEL CONTINUOUS OVER THREE OR MORE SPANS. STAGGER END JOINTS OF SUCCESSIVE COURSES 4'.

OSB WALL SHEATHING: SHALL BE 7/16" PANELS WITH EXTERIOR GLUE. UNLESS NOTED OTHERWISE ON THE DRAWINGS, WALL SHEATHING SHALL BE FASTENED TO FRAMING WITH 8d GALVANIZED NAILS 3" O/C ALONG PANEL EDGES AND 12" O/C ALONG INTERMEDIATE SUPPORTS. WALL SHEATHING SHALL BE BLOCKED AT ALL EDGES WITH NOMINAL 2" SOLID BLOCKING.

RETAINING WALLS:

USE ONLY FREE DRAINING NON-FROST SUSCEPTIBLE GRAVEL SOILS FOR BACKFILL AGAINST RETAINING WALLS.

BACKFILL SHALL NOT BE PLACED AGAINST RETAINING WALLS UNTIL RETAINING WALL CONCRETE HAS ACHIEVED THE 28 DAY DESIGN STRENGTH F'C = 3000 PSI.

BACKFILL SHALL NOT BE PLACED AGAINST RETAINING WALLS UNTIL FLOOR SLABS HAVE BEEN CAST AND ALLOWED TO CURE FOR AT LEAST 7 DAYS AND FLOOR SLAB CONCRETE HAS ACHIEVED AT LEAST 50% OF THE 28 DAY DESIGN STRENGTH.

NON-COMPOSITE STEEL FORM DECK:

STEEL FORM DECKING SHALL BE 20 GAUGE, TYPE B G-60 GALVANIZED STEEL DECKING WITH A MINIMUM YIELD STRENGTH (FY) = 38,000 PSI. FURNISH DECK IN 36" NOMINAL WIDTH. FASTEN TO SUBSTRATE AS SPECIFIED FOR NON-COMPOSITE STEEL FLOOR AND ROOF DECKING. CONCRETE FLOOR SLAB SHALL BE REINFORCED WITH 6" X 6" W1.4/W1.4 WELDED WIRE MESH THROUGHOUT. REINFORCING MESH SHALL BE SUPPORTED AT 4' O/C EACH WAY ON APPROVED METAL CHAIRS. WHERE DECKING IS SUPPORTED BY WOOD MEMBERS FASTEN DECK TO FRAMING WITH (2) #12 X 2" SELF TAPPING TRUSS HEAD SCREWS AT EACH FLUTE, 8" O/C AND FASTEN ADJOINING SHEETS WITH PUNCHLOK TOOL, BUTTON PUNCHES, OR 1 1/2" LONG TOP SEAM WELDS AT A MAXIMUM SPACING OF 36" O/C PER MANUFACTURERS RECOMMENDATIONS.

SPECIAL INSPECTION

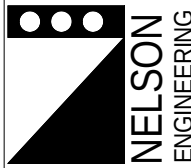
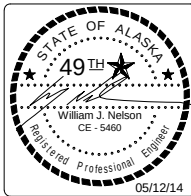
PROVIDE A SPECIAL INSPECTION PROGRAM IN ACCORDANCE WITH IBC CHAPTER 17. PROVIDE DOCUMENTATION OF SPECIAL INSPECTION TO ENGINEER OF RECORD AND BUILDING OFFICIAL.

STEEL

1.) PERIODIC INSPECTION OF HIGH STRENGTH BOLT MARKINGS TO CONFORM WITH SPECIFIED BOLTS.
2.) VERIFICATION OF BOLT MANUFACTURER'S CERTIFICATE OF COMPLIANCE
3.) PERIODIC INSPECTION OF SNUG TIGHT BOLTED CONNECTIONS.
4.) PERIODIC INSPECTION OF PRETENSIONED AND SLIP CRITICAL BOLTED CONN.
5.) VERIFICATION OF STRUCTURAL STEEL AND METAL DECK IDENTIFICATION MARKINGS, GRADES AND MANUFACTURERS CERTIFIED TEST REPORTS.
6.) VERIFICATION OF WELD FILLER MATERIALS IDENTIFICATION MARKINGS AND MANUFACTURERS CERTIFICATE OF COMPLIANCE
7.) CONTINUOUS INSPECTION OF COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS, MULTIPASS FILLET WELDS, FILLET WELDS GREATER THAN 5/16", AND PLUG/SLOT WELDS.
8.) PERIODIC INSPECTION OF SINGLE PASS FILLET WELDS <= 5/16".
9.) PERIODIC INSPECTION OF FLOOR AND ROOF DECK WELDS.

CONCRETE

1.) INSPECTION OF REINFORCING STEEL SIZE AND PLACEMENT PRIOR TO PLACING OF CONCRETE.
2.) INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING PLACED
3.) TESTING FOR EACH TRUCKLOAD OF CONCRETE MATERIALS INCLUDING: SLUMP, ENTRAINED AIR CONTENT, TEMPERATURE, AND STRENGTH.
4.) CONTINUOUS INSPECTION OF CAST-IN-PLACE BOLTS TO BE INSTALLED IN CONCRETE.
5.) PERIODIC INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.
6.) PERIODIC VERIFY USE OF REQUIRED DESIGN MIX.
7.) PERIODIC INSPECTION OF MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.



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DRAWN: CAM
CHECKED: WJN
JOB NO: 1358
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REVISIONS:

NO.	DATE
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SHEET NUMBER

S1.0

SHEET CONTENTS
GENERAL NOTES

FOOTING SCHEDULE		
SYMBOL	DIMENSIONS	REBAR
	24"x24"x12"	#5 BARS @ 12" EACH WAY
	36"x36"x12"	#5 BARS @ 12" EACH WAY, T&B
	60"x60"x16"	#5 BARS @ 12" EACH WAY, T&B
	78"x78"x12"	#7 BARS @ 12" EACH WAY, T&B
MONOLITHIC FOOTING SCHEDULE		
SYMBOL	DIMENSIONS	REBAR
	24"Wx12"D	(3)#5 BARS
	16"Wx12"D	(2)#5 BARS
	16"Wx24"D	(4)#5 BARS
	6"Wx8"D	(1)#5 BARS

LEGEND

- HOLDOWN (SEE FRAMING PLAN FOR TYPE & LOCATION)

16"Wx24"D MONO. CONC. FOOTING W/(2) #5 REBAR, TYP.

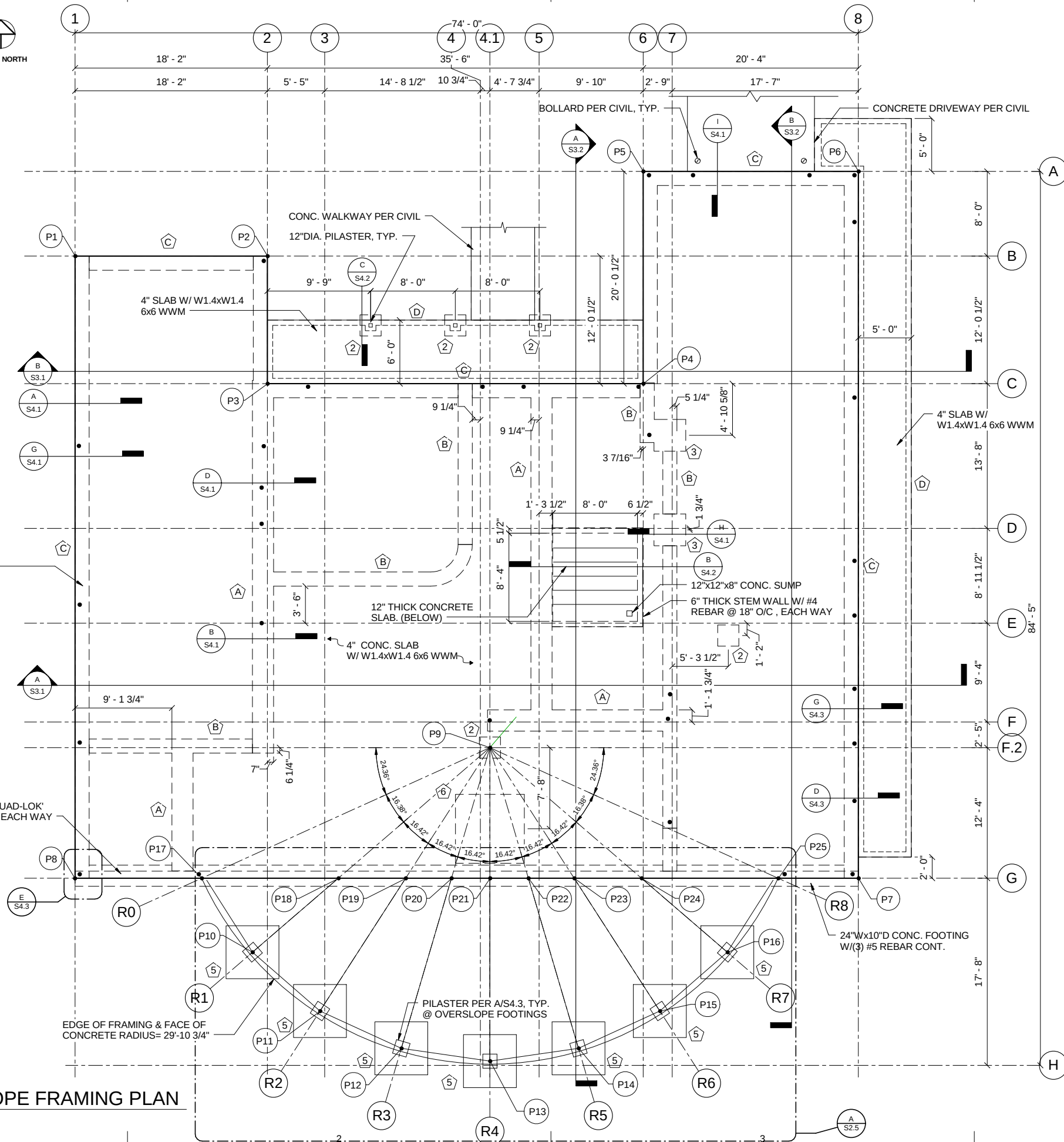
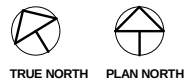
5 3/4" THICK x3' TALL CONC. 'QUAD-LOK' WALL W/ #4 REBAR @ 16" O/C, EACH WAY

EDGE OF FRAMING & FACE OF CONCRETE RADIUS= 29'-10 3/4"

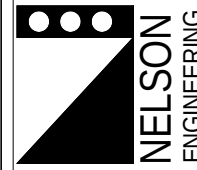
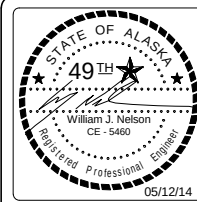
PILASTER PER A/S4.3, TYP. @ OVERSLOPE FOOTINGS

FOUNDATION & OVERSLOPE FRAMING PLAN

SCALE: 3/16" = 1'-0" (22x34)



BUILDING COORDINATES			
SYMBOL	DESCRIPTION	NORTHING EASTING	GRIDS
P1	BUILDING CORNER	N 34490.00 E 72022.19	GL:1/B
P2	BUILDING CORNER	N 34480.56 E 72037.71	GL:2/B
P3	BUILDING CORNER	N 34470.27 E 72031.46	GL:2/C
P4	BUILDING CORNER	N 34451.82 E 72061.78	GL:6/C
P5	BUILDING CORNER	N 34468.94 E 72072.20	GL:6/A
P6	BUILDING CORNER	N 34458.38 E 72089.57	GL:8/A
P7	BUILDING CORNER	N 34401.35 E 72054.88	GL:8/G
P8	BUILDING CORNER	N 34439.81 E 71991.66	GL:1/G
P9	RADIAL WORK POINT R=29'-10 3/4"	N 34429.98 E 72031.55	GL:4.1/F.2
P10	COLUMN C	N 34425.13 E 72002.34	GL:R1
P11	COLUMN C	N 34417.07 E 72004.91	GL:R2
P12	COLUMN C	N 34410.07 E 72009.64	GL:R3
P13	COLUMN C	N 34404.69 E 72016.16	GL:R4
P14	COLUMN C	N 34401.37 E 72023.94	GL:R5
P15	COLUMN C	N 34400.39 E 72032.34	GL:R6
P16	COLUMN C	N 34401.82 E 72040.67	GL:R7
P17	CONCRETE EDGE	N 34433.60 E 72001.87	GL:R0/G
P18	BEAM BEARING	N 34426.88 E 72012.91	GL:R1/G
P19	BEAM BEARING	N 34423.58 E 72018.34	GL:R2/G
P20	BEAM BEARING	N 34421.33 E 72022.03	GL:R3/G
P21	BEAM BEARING	N 34419.44 E 72025.14	GL:R4/G
P22	BEAM BEARING	N 34417.55 E 72028.24	GL:R5/G
P23	BEAM BEARING	N 34415.31 E 72031.94	GL:R6/G
P24	BEAM BEARING	N 34412.00 E 72037.37	GL:R7/G
P25	CONCRETE EDGE	N 34405.29 E 72048.41	GL:R8/G



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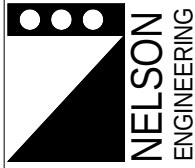
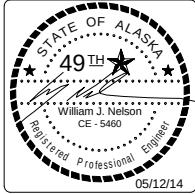
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NO. DATE

SHEET NUMBER

S2.1

SHEET CONTENTS
FOUNDATION &
OVERSLOPE PLAN

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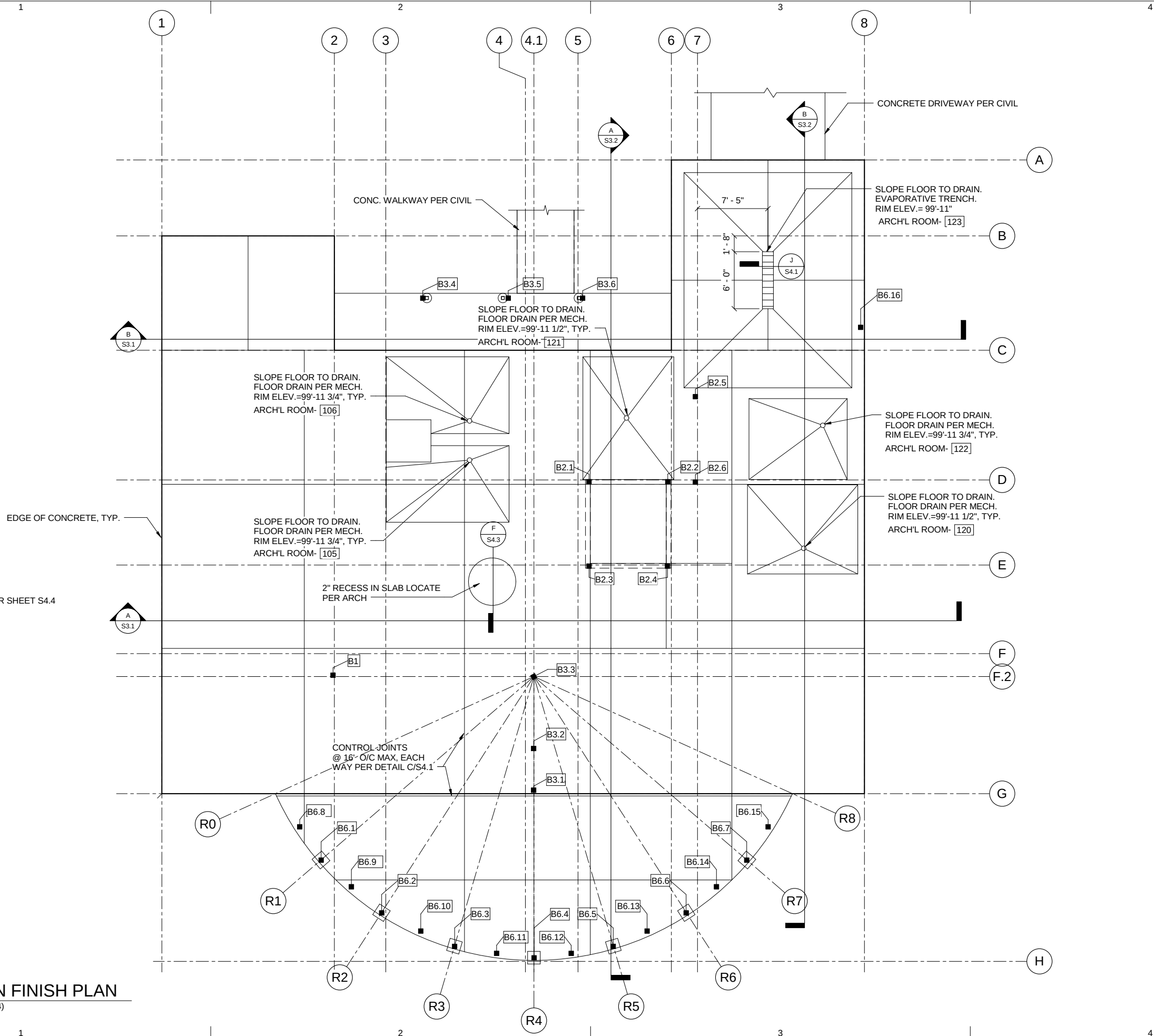
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S2.2

SHEET CONTENTS
FOUNDATION FINISH PLAN

LEGEND

BX.X -BASEPLATE PER SHEET S4.4

A
S2.2 FOUNDATION FINISH PLAN
SCALE: 3/16" = 1'-0" (22x34)

HEADER SCHEDULE		
SYMBOL	DIMENSIONS	POST
A	4x10	(2) 2x8 JACK STUD (2) 2x8 KING STUD
B	3 1/8"x12"	(2) 2x8 JACK STUD (2) 2x8 KING STUD
C	5 1/8"x15"	(2) 2x8 JACK STUD (3) 2x8 KING STUD
D	5 1/8"x18"	(2) 2x8 JACK STUD (3) 2x8 KING STUD
E	4x10	HSS4x4x1/4"
F	5 1/8"x24"	(2) 2x8 JACK STUD (3) 2x8 KING STUD

FIRST FLOOR SHEARWALL SCHEDULE					
SYMBOL	SHEATHING	FASTENERS		ANCHOR BOLT	BOTTOM PLATE
		FIELD	EDGE		
SW1	7/16" OSB ONE SIDE	8D@12"	8D@6"	10"x5/8" @ 48" O/C	PT SINGLE 2x
SW2	7/16" OSB ONE SIDE	8D@12"	8D@4"	10"x5/8" @ 48" O/C	PT SINGLE 2x
SW3	7/16" OSB ONE SIDE	8D@12"	8D@4"	10"x5/8" @ 48" O/C	PT DOUBLE 2x
SW4	7/16" OSB ONE SIDE	8D@12"	8D@3"	10"x5/8" @ 32" O/C	PT DOUBLE 2x

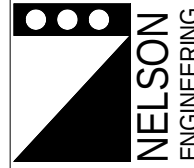
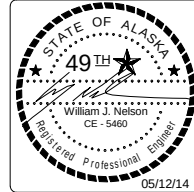
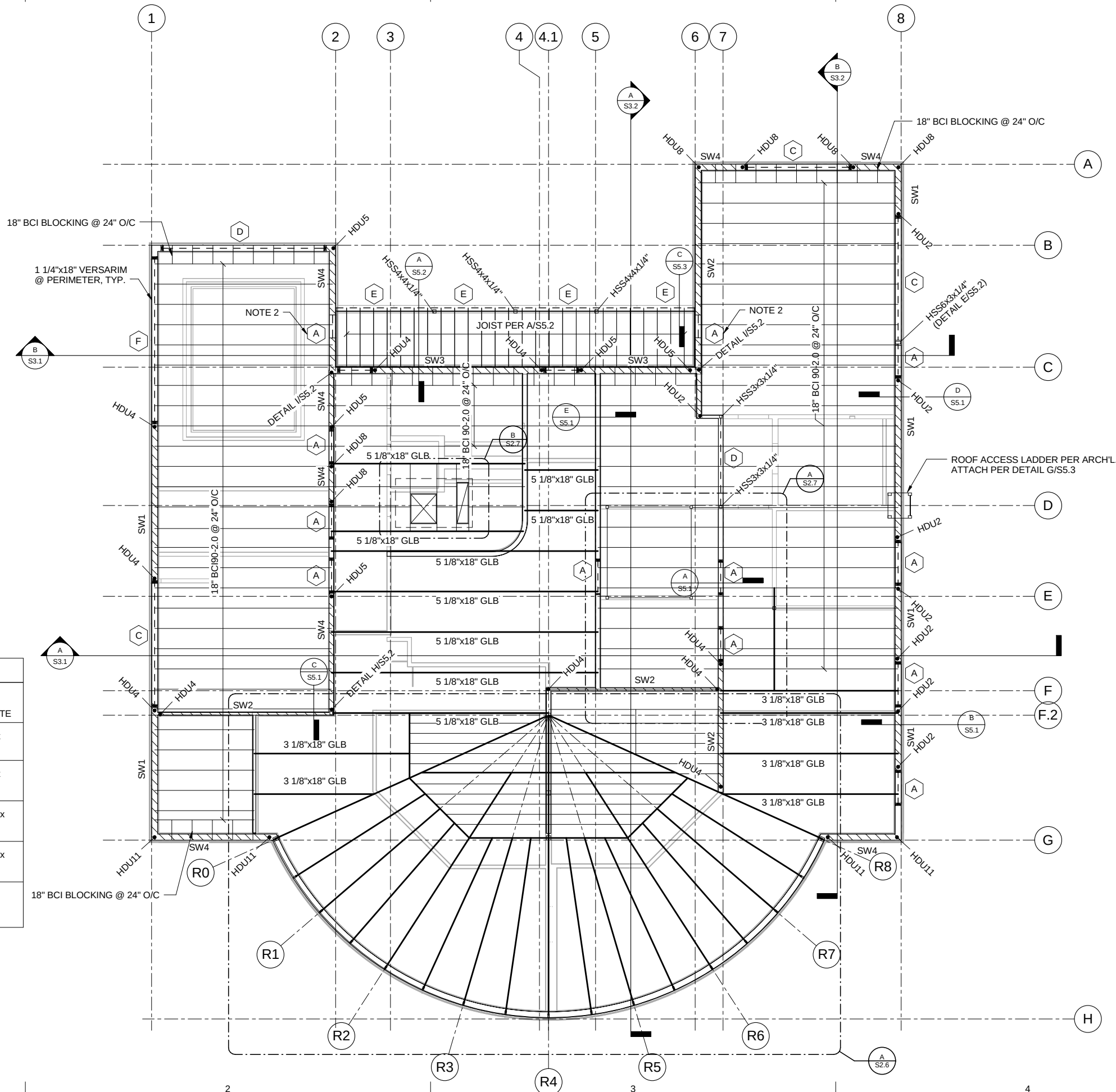
-SHEAR WALL

-BEARING WALL

NOTE:
1). ALL INTERIOR BEARING WALLS SHALL CONSIST OF 2X6 STUDS @ 24" O/C AND STUDS SHALL ALIGN W/ JOISTS ABOVE.
2). PROVIDE CS16 STRAPS & BLOCKING AROUND WINDOW FRAMING PER DETAIL F/S5.3.

A ROOF FRAMING PLAN

S2.3 SCALE: 3/16" = 1'-0" (22x34)



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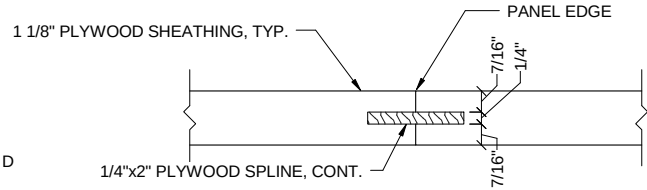
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S2.3

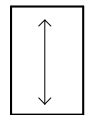
SHEET CONTENTS
ROOF FRAMING
PLAN



B PLYWOOD SPLINE PANEL EDGE
S2.4 SCALE: 6" = 1'-0" (22x34)

LEGEND

8'x4' T&G PLYWOOD SHEET
(STRENGTH AXIS SHOWN)



PARTIAL T&G PLYWOOD SHEET
(STRENGTH AXIS SHOWN)

— DRAG STRUT

NOTE:

1). PLYWOOD LOCATIONS ARE APPROXIMATE. UTILIZE FULL SHEETS WHEN EVER POSSIBLE. TRANSVERSE SHEET EDGES SHALL ALIGN WITH THE CENTERLINE OF WALLS, JOISTS & GLULAM BEAMS.

2). DRAG STRUTS SHALL BE PLACED FLAT OVER ROOF SHEATHING.

3). FASTEN DRAG STRUTS TO ROOF SHEATHING W/ 2 1/2" #8 SCREWS @ 4" O/C, TYP.

4). SPLICE 2x8 DRAG STRUT W/ SIMPSON CMT12 STRAP W/ 38" END LENGTH.

5). SPLICE (2) 2x12 DRAG STRUT W/(2) SIMPSON CMT12 STRAPS W/ 38" END LENGTH.

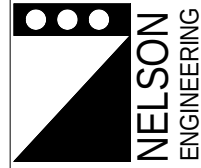
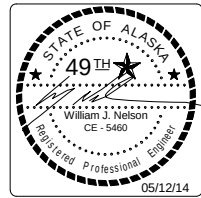
ATTACH DRAG SRUT OVER
SHEARWALL W/4"x0.25" TIMBERLOK
FASTENERS @ 2" O/C (STAGGERED)

SHEATHING DATUM

ATTACH DRAG STRUT OVER SHEARWALL
W/4"x0.25" TIMBERLOK FASTENERS @ 6" O/C

NOTE:
PROVIDE SPLINE PANEL EDGE REINFORCEMENT
ALONG ALL UNSUPPORTED PANEL EDGE
PER DETAIL B.S2.4

A ROOF SHEATHING PLAN
S2.4 SCALE: 3/16" = 1'-0" (22x34)



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S2.4

SHEET CONTENTS
ROOF SHEATHING
PLAN

ISSUED FOR CONSTRUCTION

PLOTTED 1/2 SCALE

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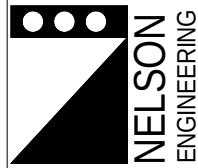
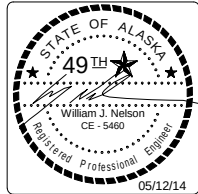
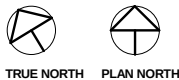
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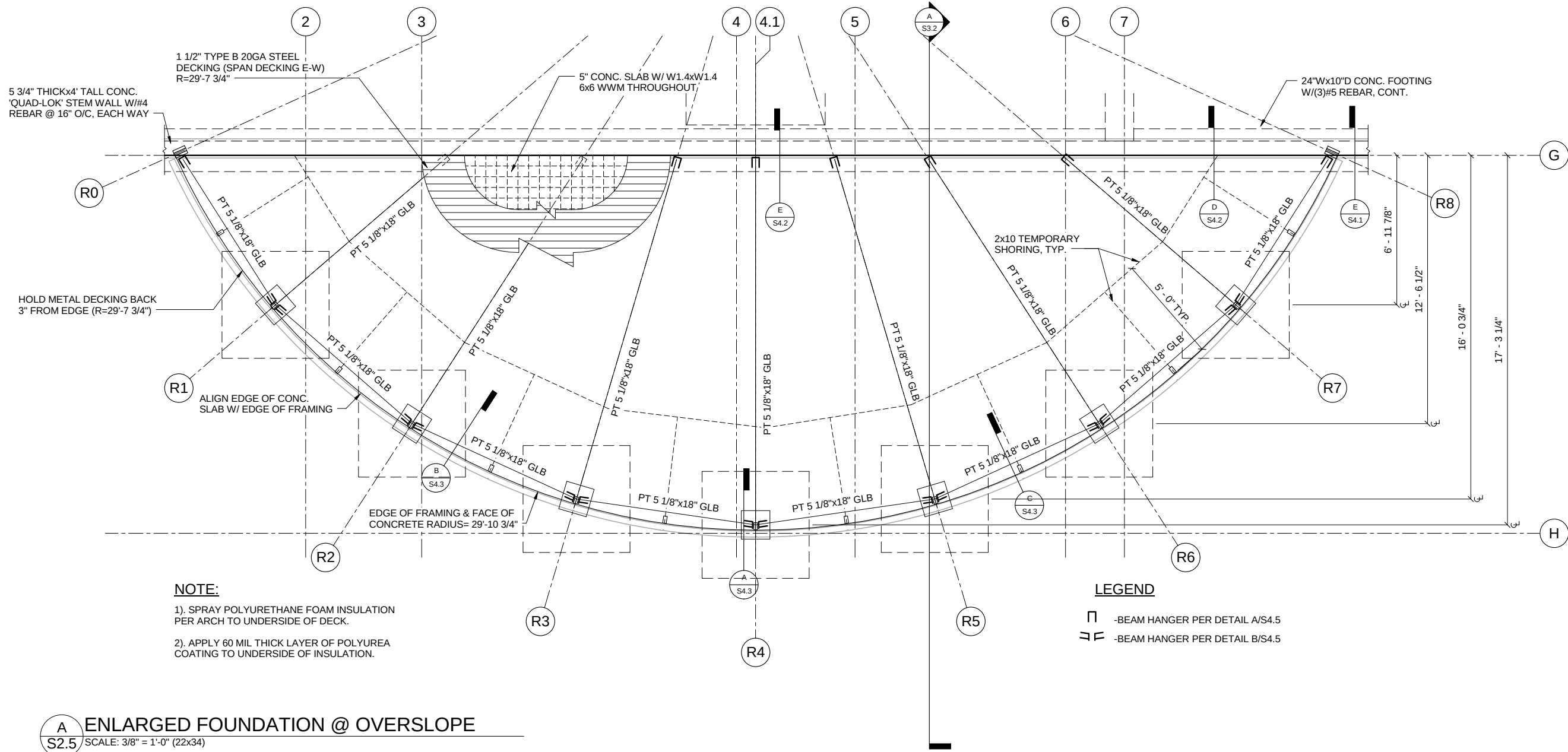
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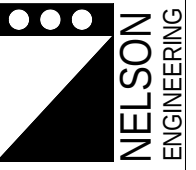
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SHEET NUMBER
S2.5

SHEET CONTENTS
ENLARGED
FOUNDATION @
OVERSLOPE



A
S2.5 ENLARGED FOUNDATION @ OVERSLOPE
SCALE: 3/8" = 1'-0" (22x34)

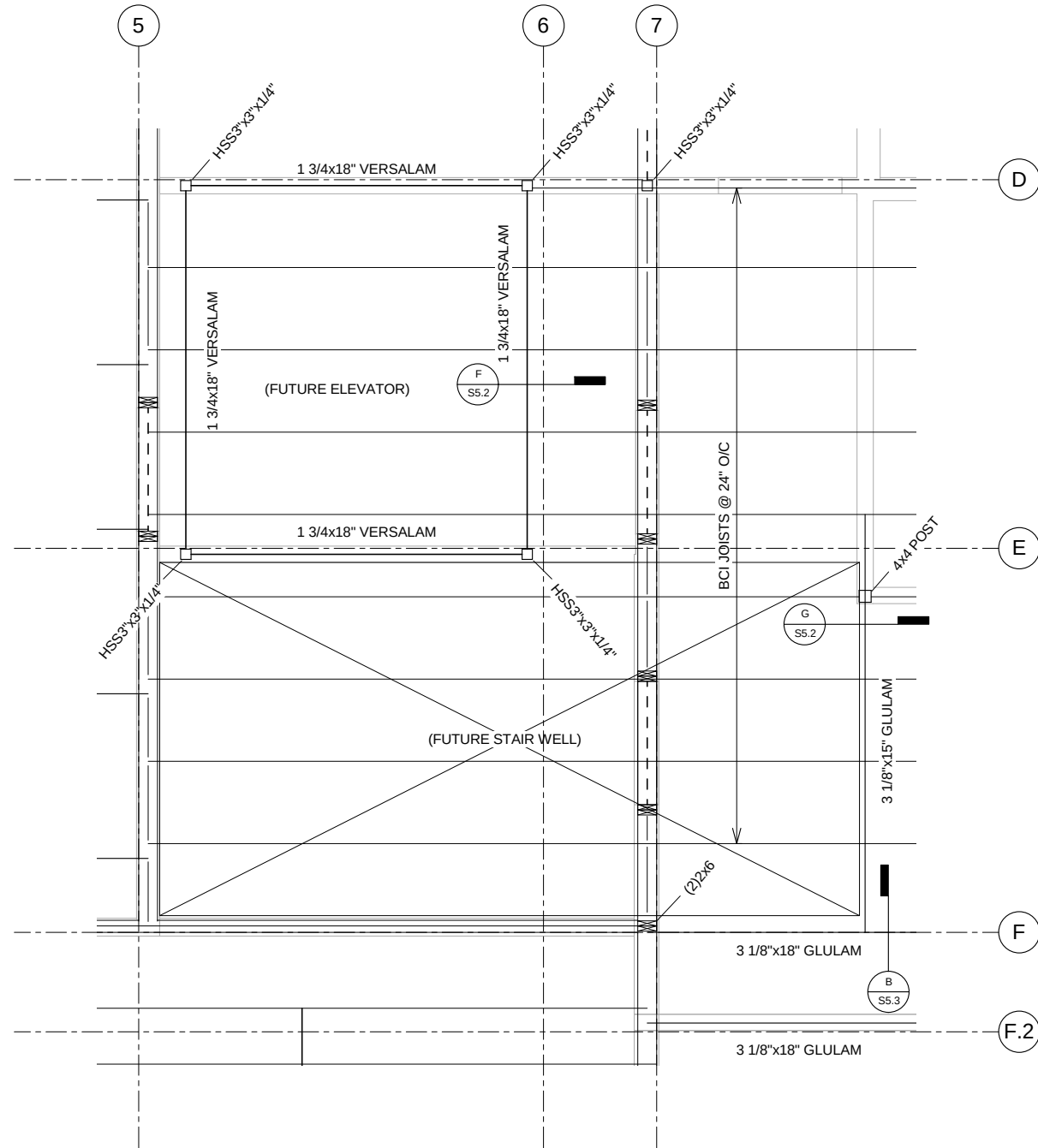


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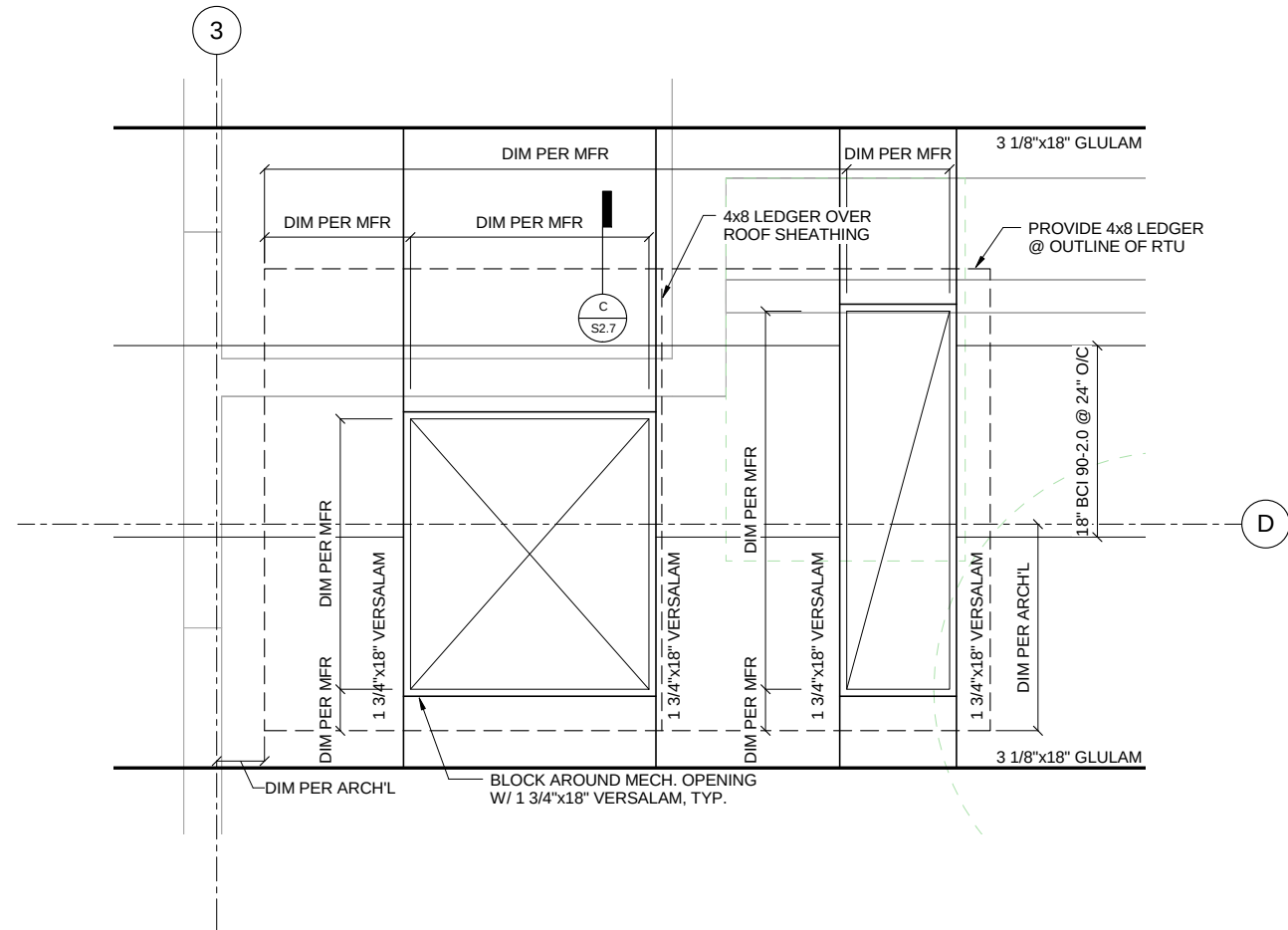
SHEET CONTENTS

ENLARGED ROOF
FRAMING @
OVERSLOPE

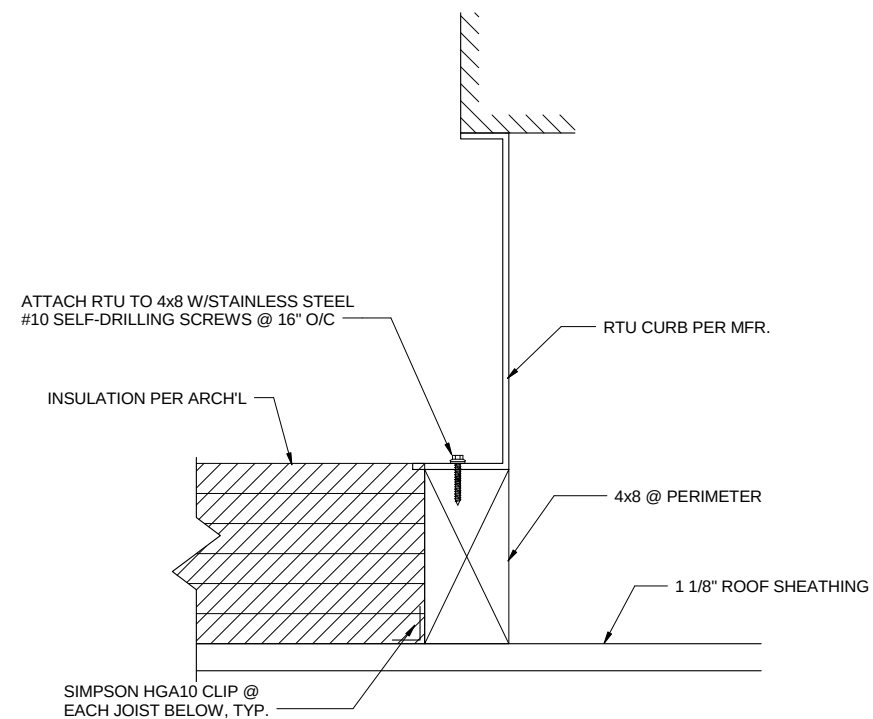




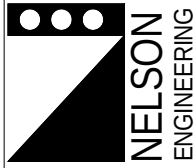
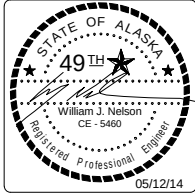
A
S2.7 ENLARGED FRAMING PLAN AT FUTURE ELEVATOR/STAIR
SCALE: 1/2" = 1'-0" (22x34)



B
S2.7 ENLARGED FRAMING PLAN AT RTU
SCALE: 1" = 1'-0" (22x34)



C
S2.7 RTU CURB SUPPORT
SCALE: 3" = 1'-0" (22x34)



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klauder@alaska.net

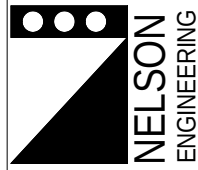
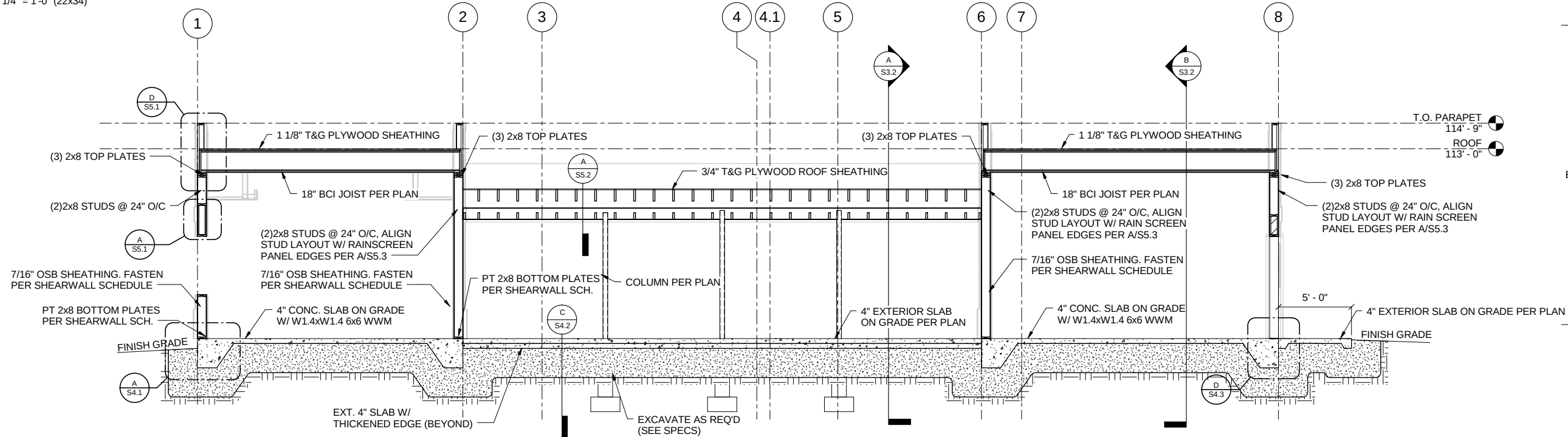
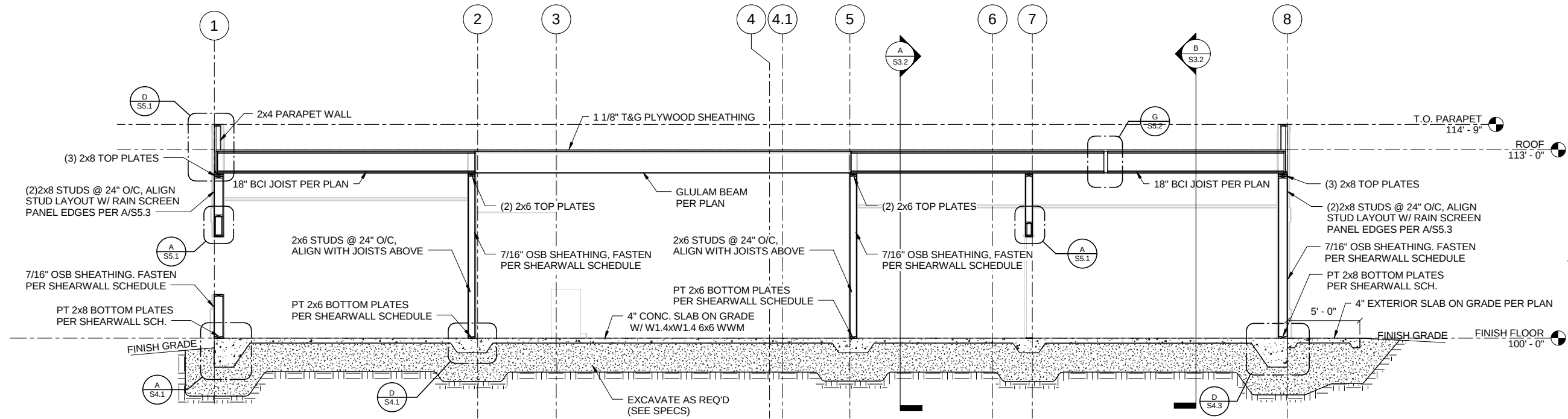
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S2.7

SHEET CONTENTS
ENLARGED ROOF
FRAMING PLANS



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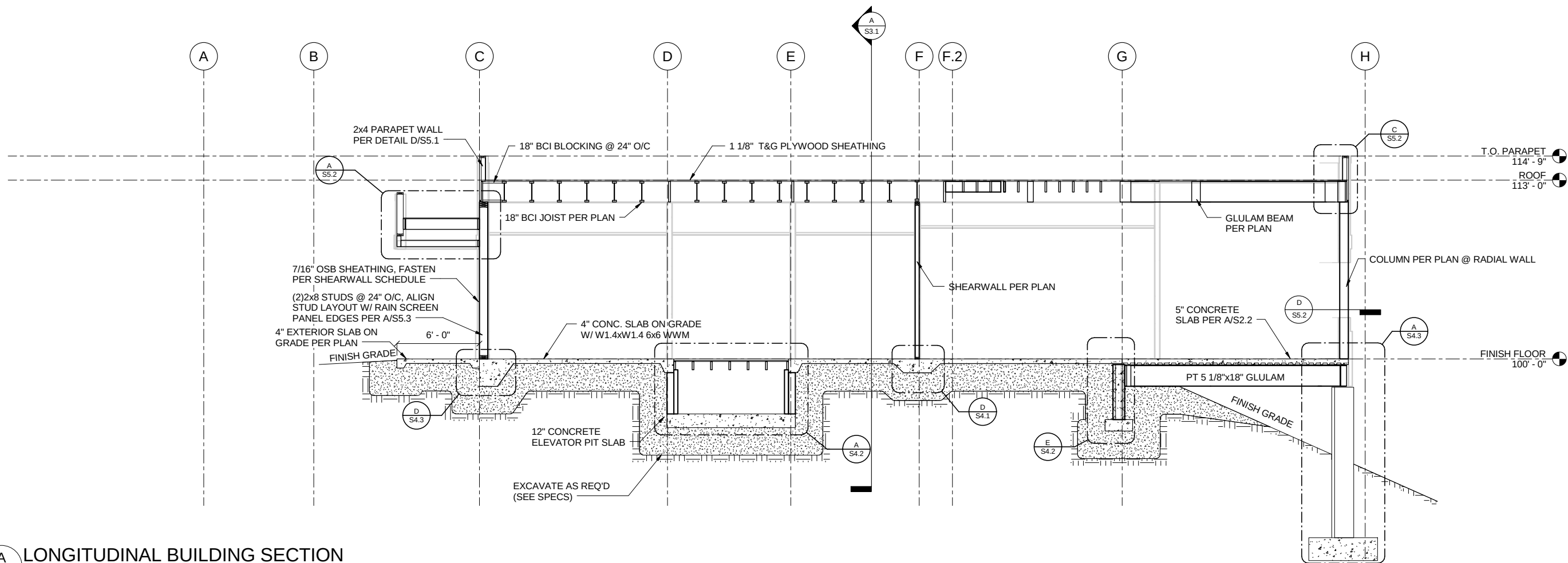
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NO.	DATE
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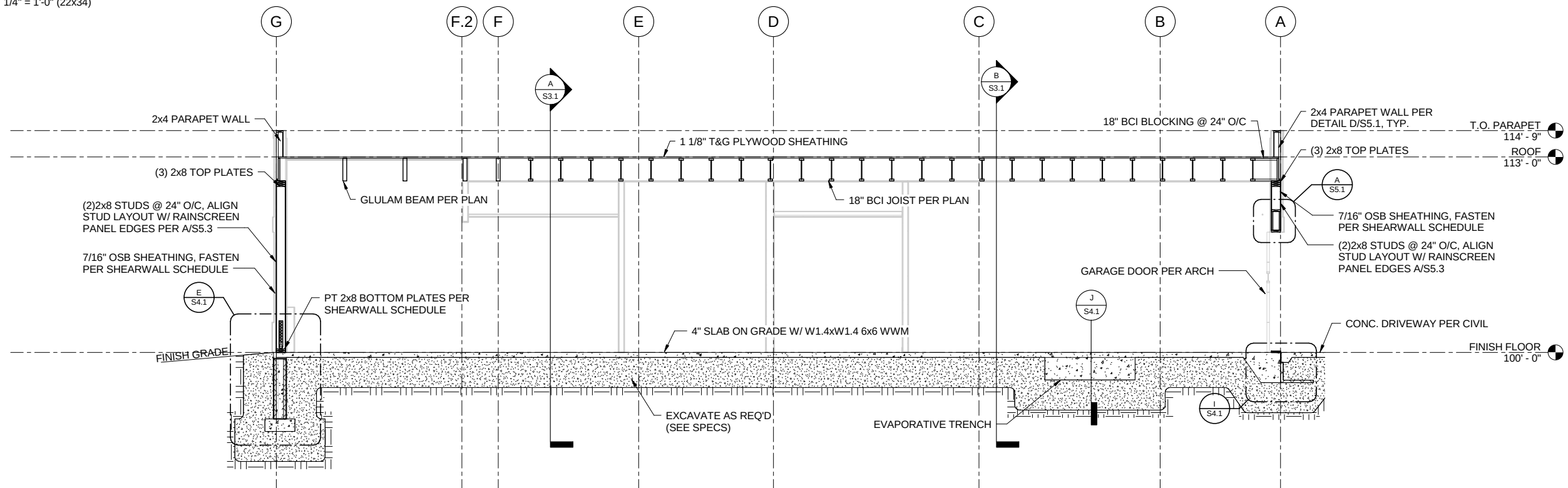
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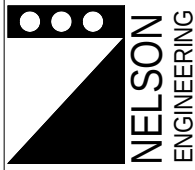
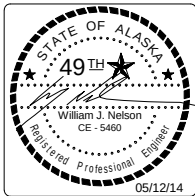
SHEET CONTENTS
BUILDING SECTION



A
S3.2 LONGITUDINAL BUILDING SECTION
SCALE: 1/4" = 1'-0" (22x34)



B
S3.2 LONGITUDINAL BUILDING SECTION @ GARAGE
SCALE: 1/4" = 1'-0" (22x34)



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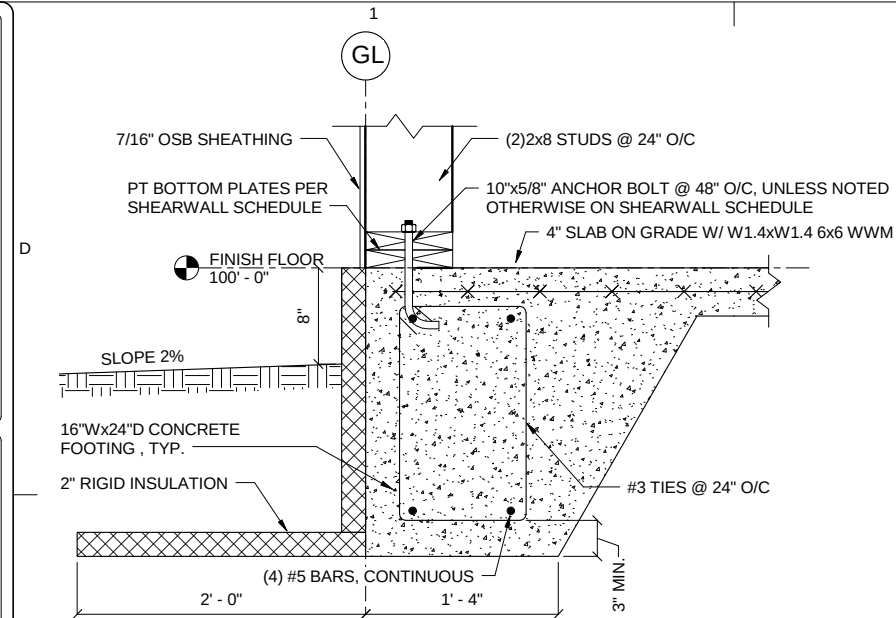
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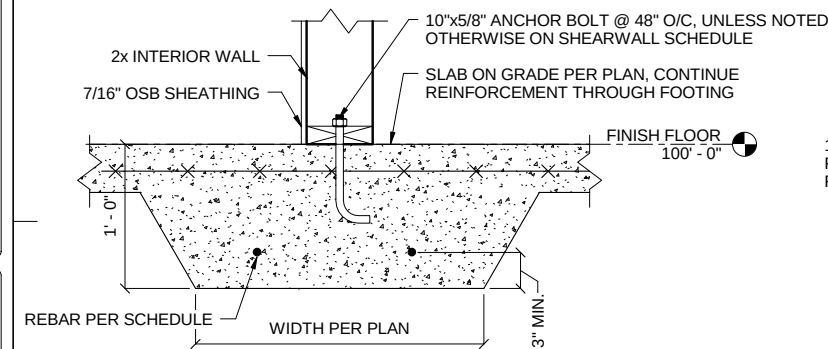
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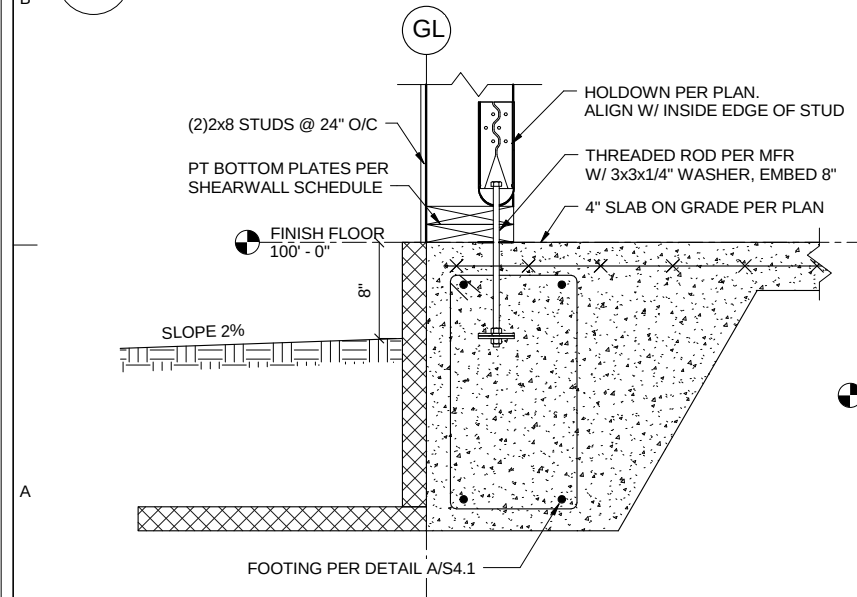
SHEET CONTENTS
BUILDING SECTION



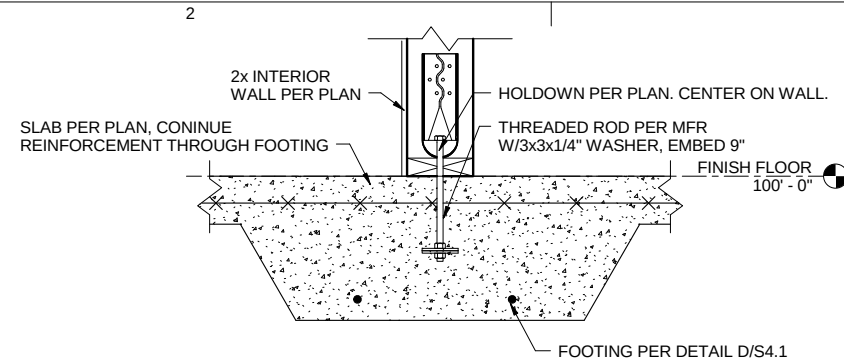
A TYP. EXTERIOR MONOLITHIC WALL FOOTING
S4.1 SCALE: 1 1/2" = 1'-0" (22x34)



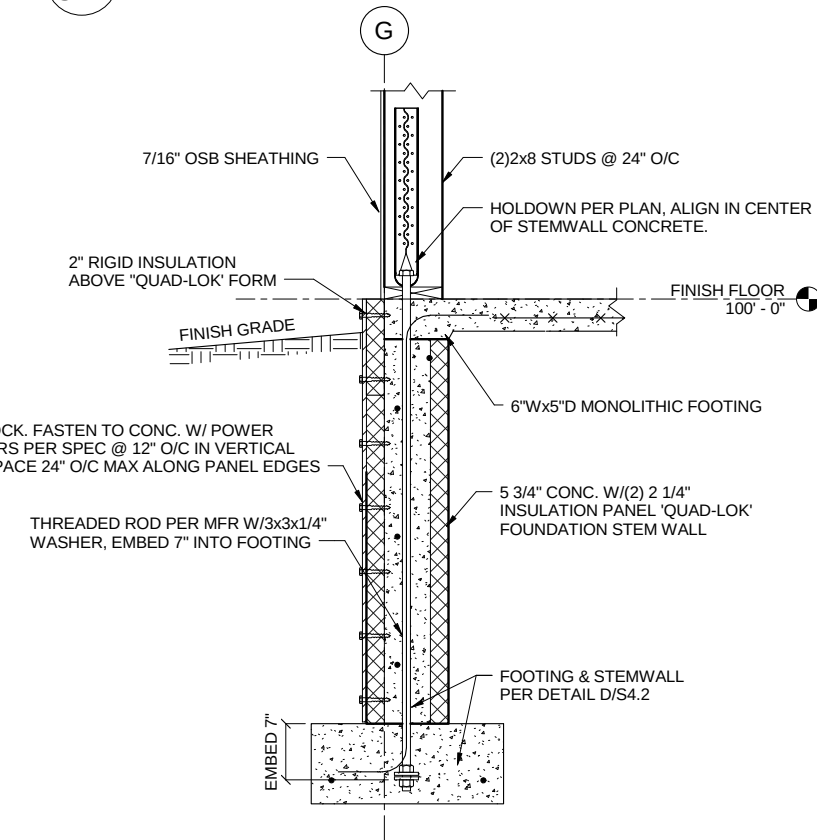
D TYP. INTERIOR MONOLITHIC WALL FOOTING
S4.1 SCALE: 1 1/2" = 1'-0" (22x34)



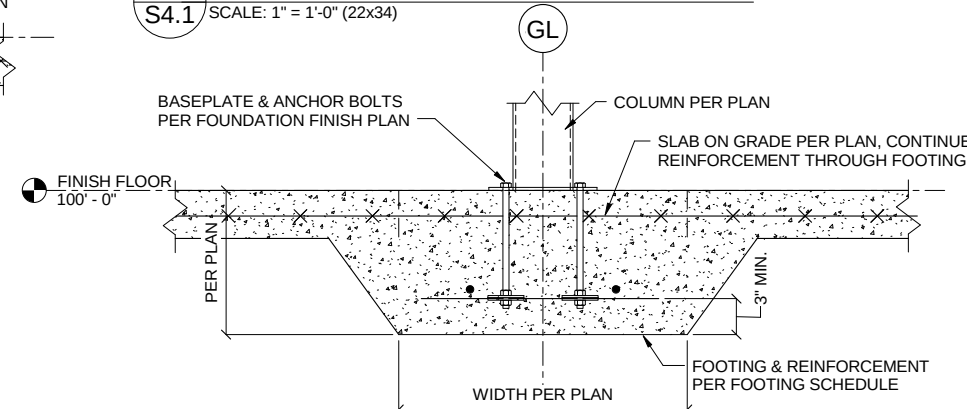
TYPICAL HOLDOWN @ EXT. WALL



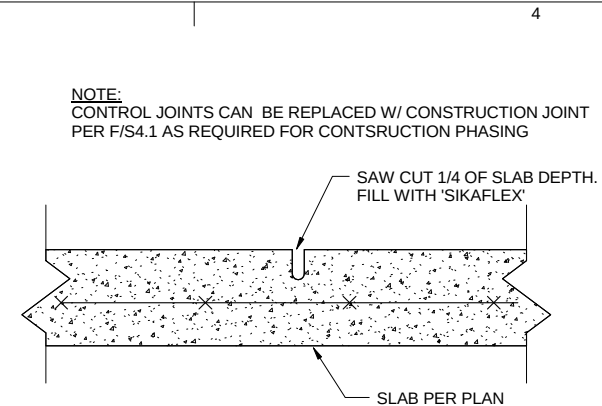
B TYP. HOLDOWN @ INTERIOR WALL
S4.1 SCALE: 1 1/2" = 1'-0" (22x34)



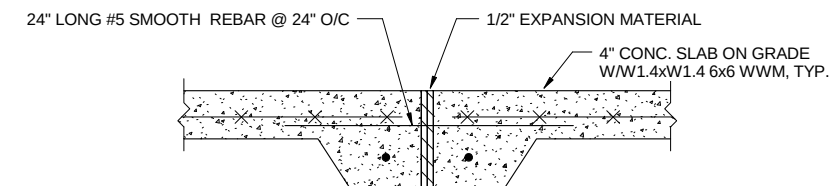
E TYP. HOLDDOWN @ STEM WALL
S4.1 SCALE: 1" = 1'-0" (22x34)



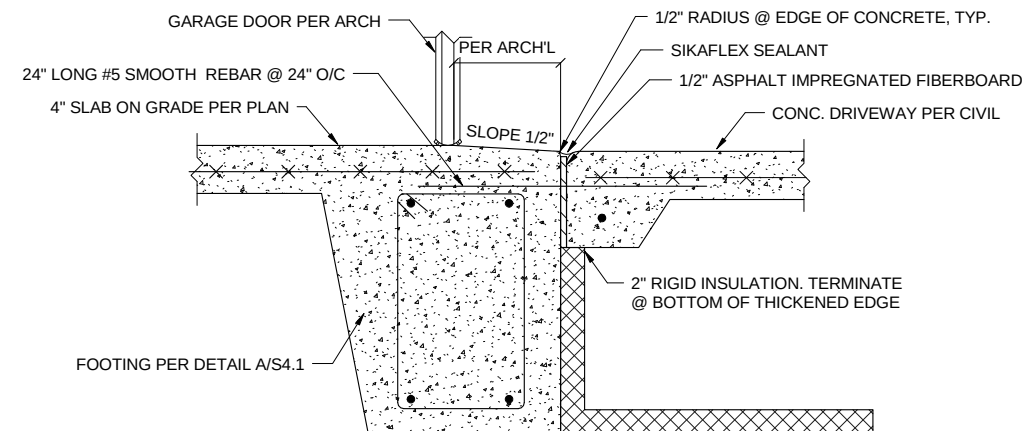
H S4.1 INTERIOR MONOLITHIC COLUMN FOOTING SCALE: 1 1/2" = 1'-0" (22x34)



TYPICAL CONTROL JOINT

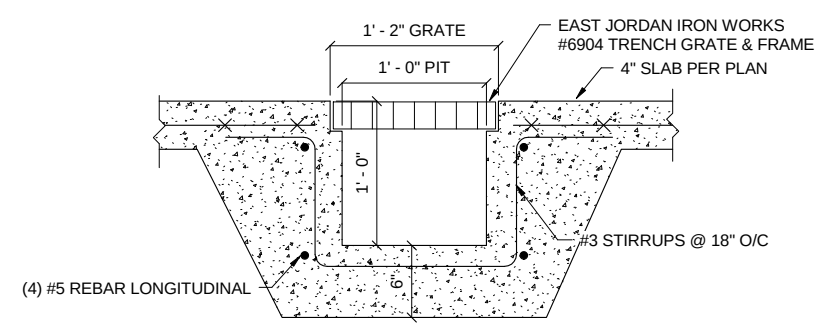


F TYPICAL CONSTRUCTION JOINT
S4.1 SCALE: 1 1/2" = 1'-0" (22x34)

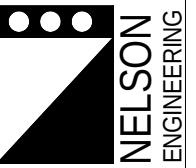


I GARAGE DOOR THRESHOLD DETAIL

S4.1 SCALE: 1 1/2" = 1'-0" (22x34)



J EVAPORATIVE TRENCH DRAIN
S4.1 SCALE: 1 1/2" = 1'-0" (22x34)

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S4.1

SHEET CONTENTS

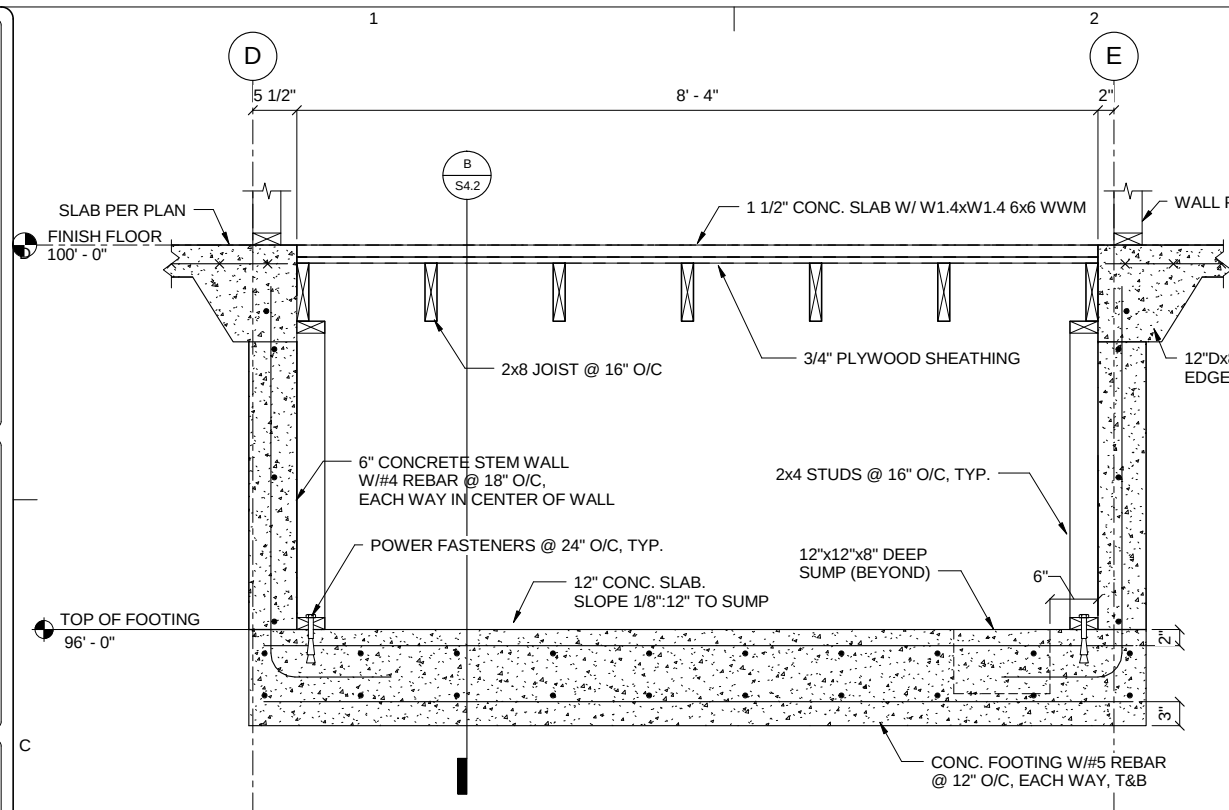
DETAILS

ISSUED FOR CONSTRUCTION

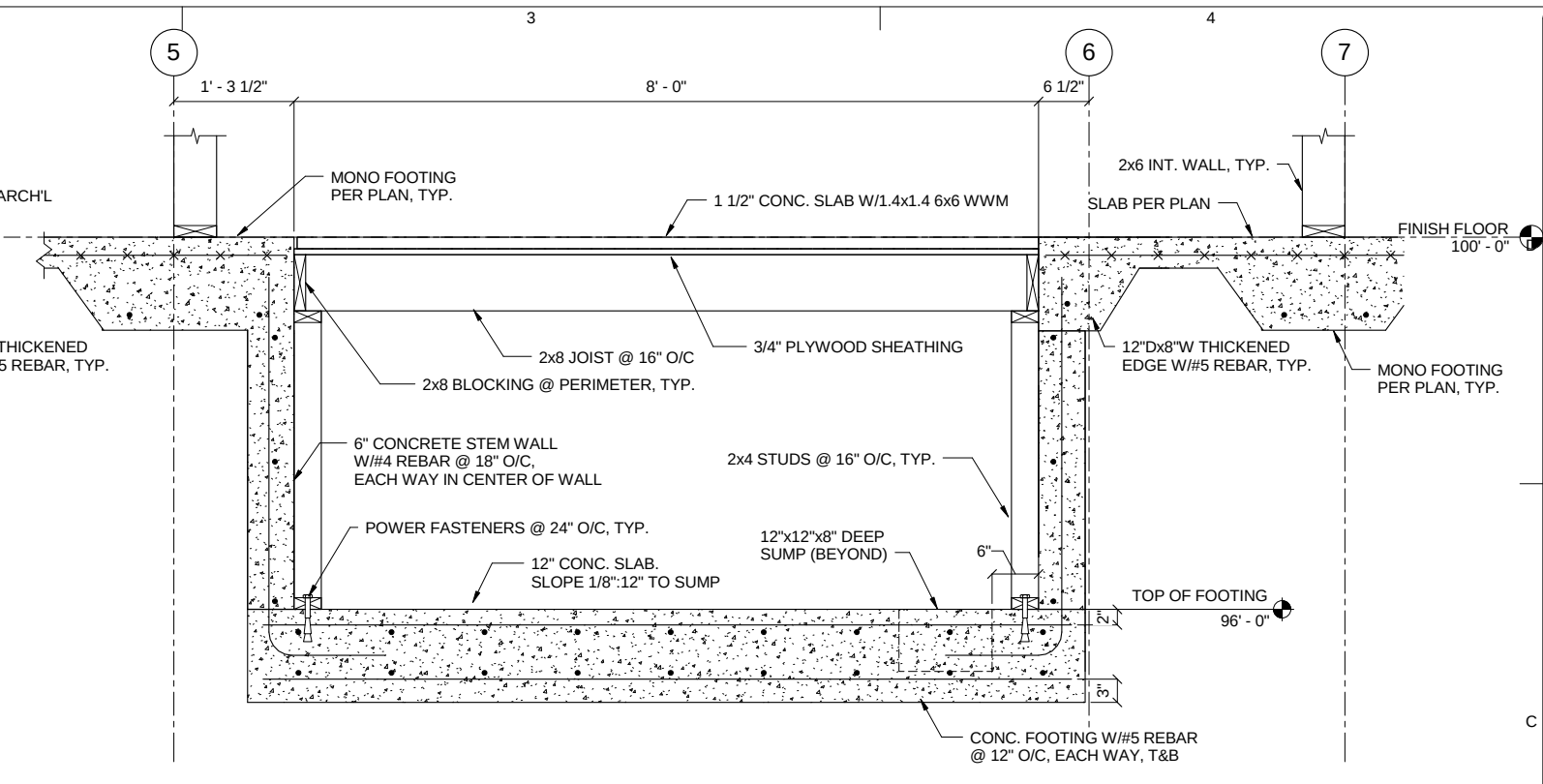
PLOTTED 1/2 SCALE

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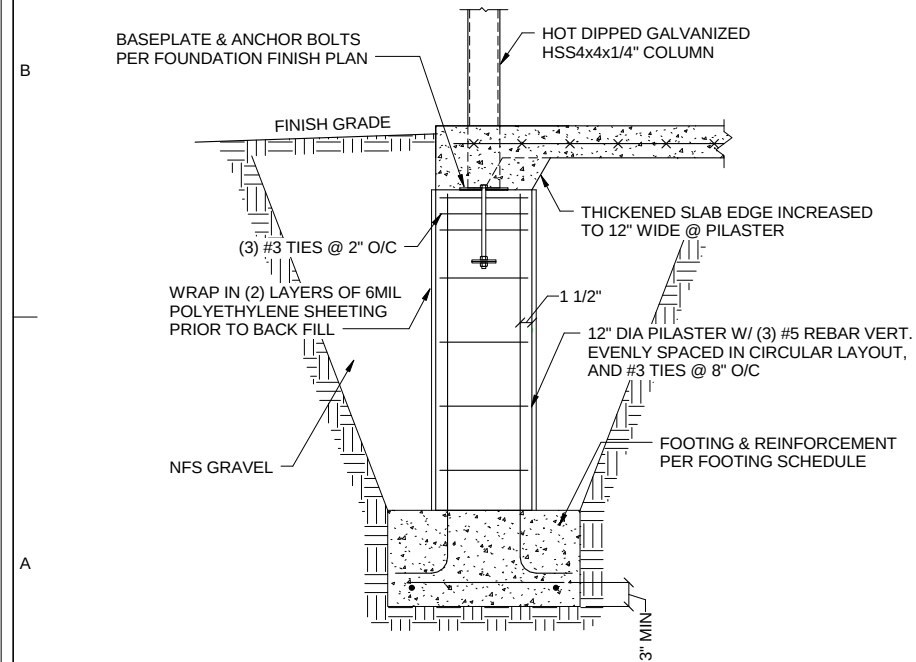
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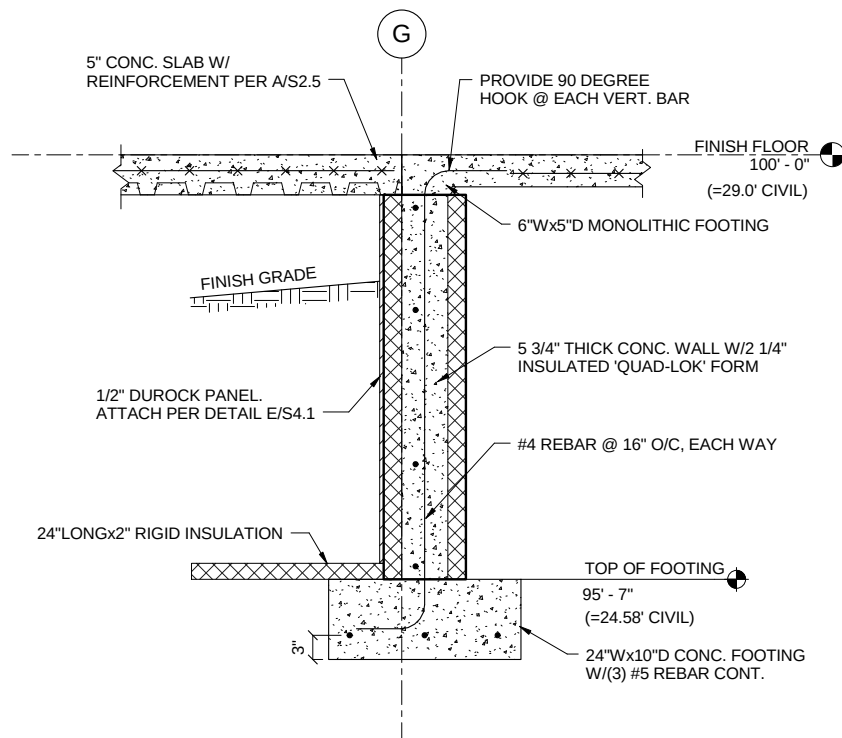
A ELEVATOR PIT TRANSVERSE SECTION
S4.2 SCALE: 1" = 1'-0" (22x34)



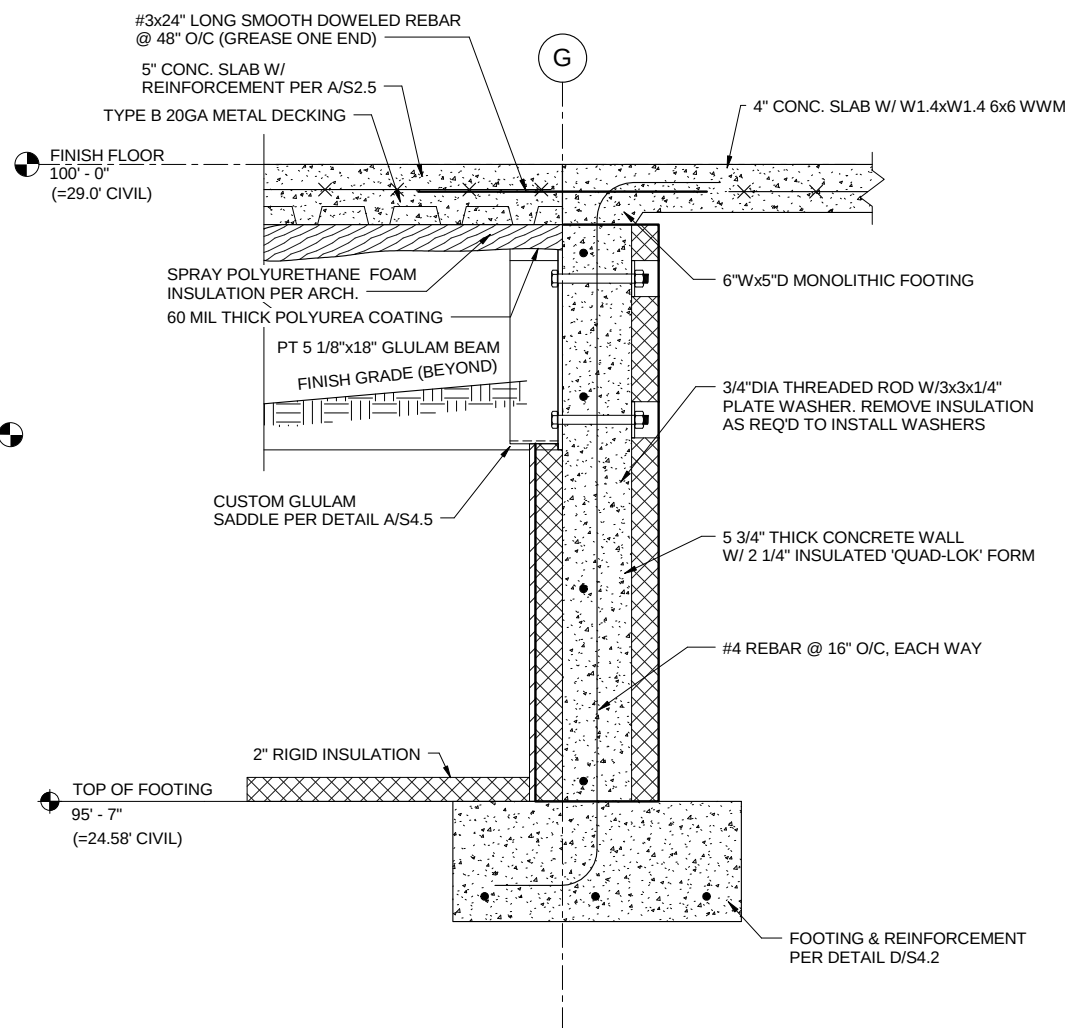
B ELEVATOR PIT LONGITUDINAL SECTION
S4.2 SCALE: 1" = 1'-0" (22x34)



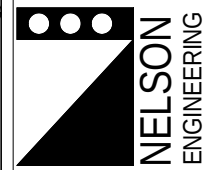
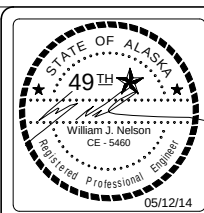
C INDEPENDENT COLUMN BEARING
S4.2 SCALE: 1" = 1'-0" (22x34)



D FOUNDATION STEM WALL @ GL-G
S4.2 SCALE: 1" = 1'-0" (22x34)



E BEAM CONNECTION @ STEM WALL
S4.2 SCALE: 1 1/2" = 1'-0" (22x34)



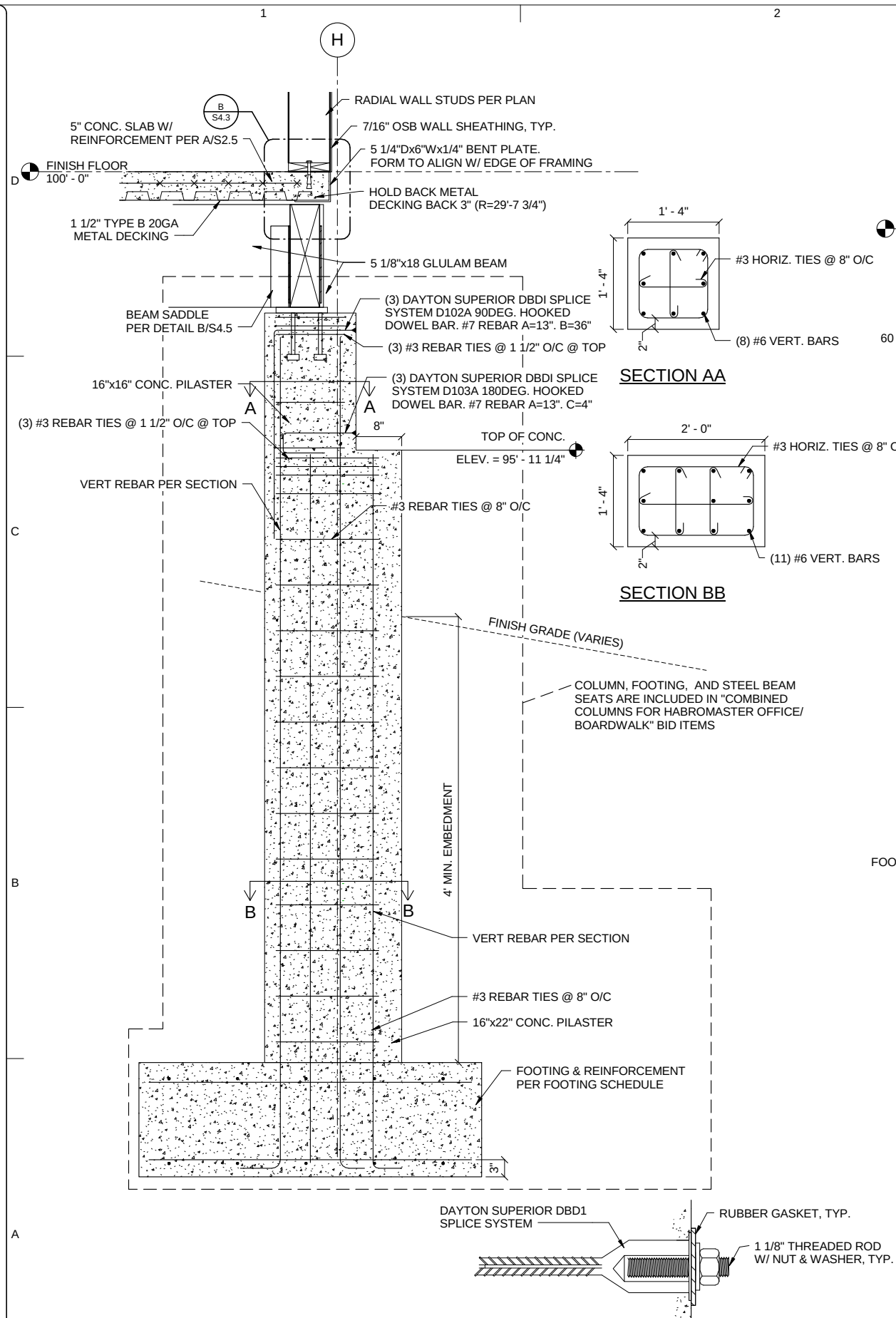
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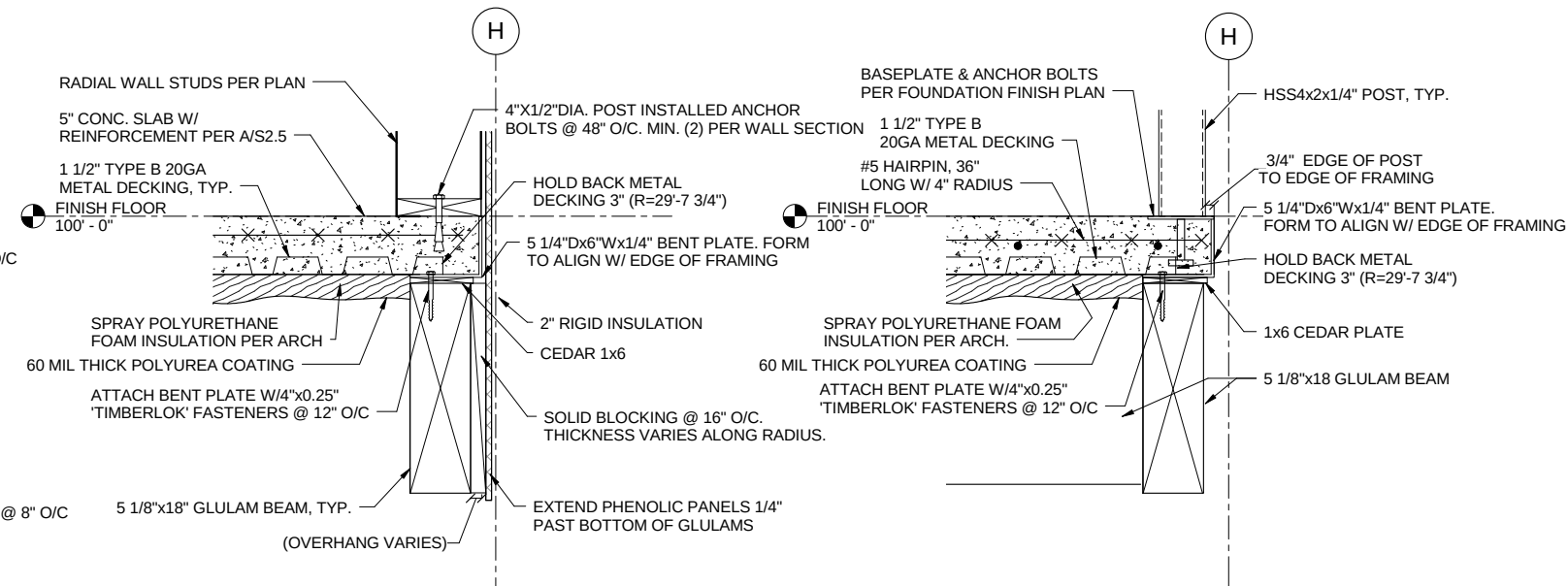
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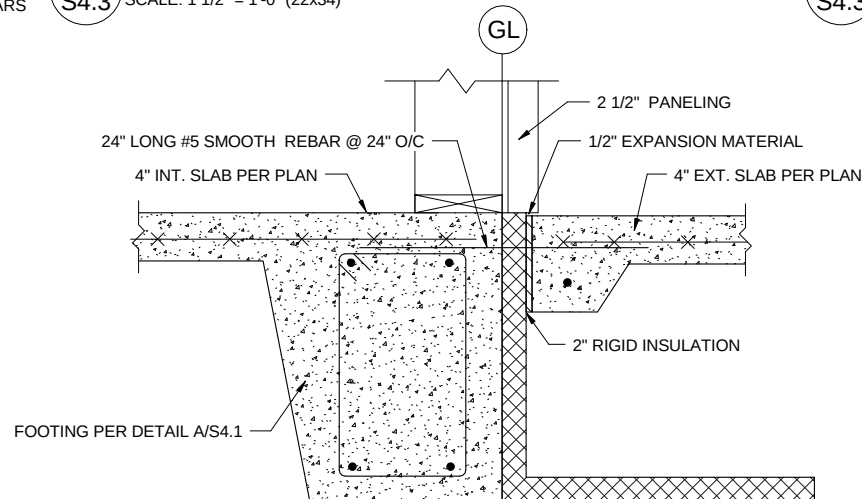
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S4.2
SHEET CONTENTS
DETAILS



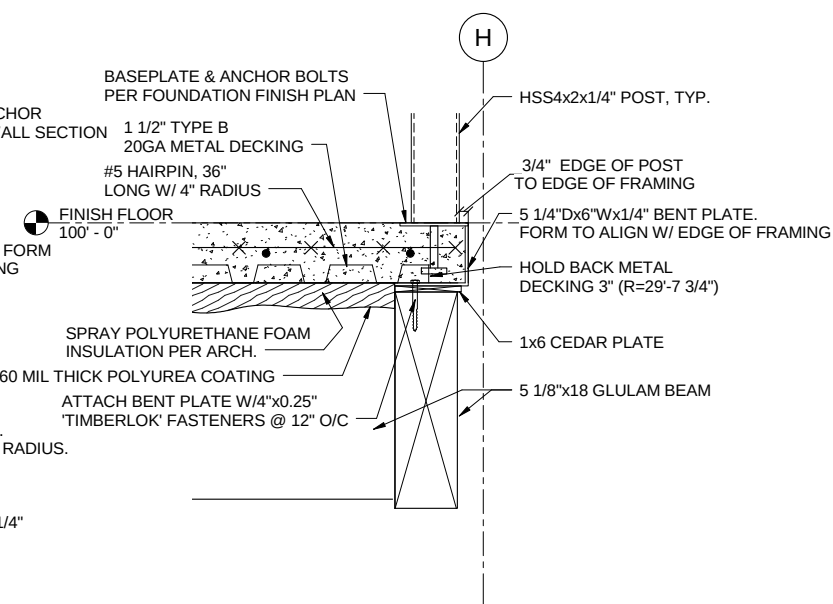
A RADIAL FOOTING & PILASTER @ OVERSLOPE
S4.3 SCALE: 1" = 1'-0" (22x34)



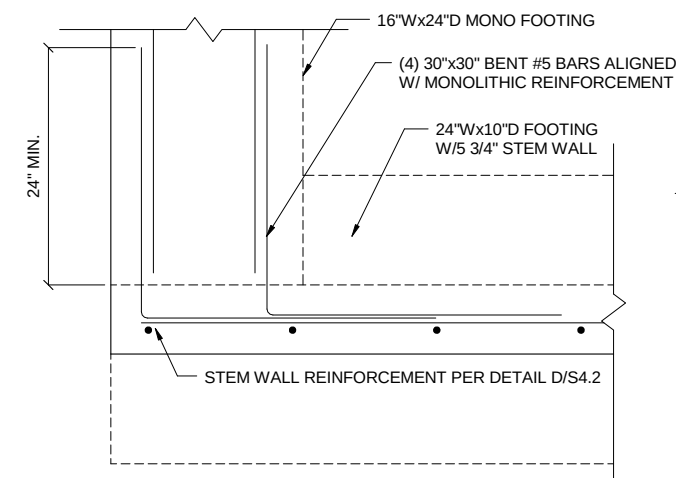
B RADIAL WALL BEARING
S4.3 SCALE: 1 1/2" = 1'-0" (22x34)



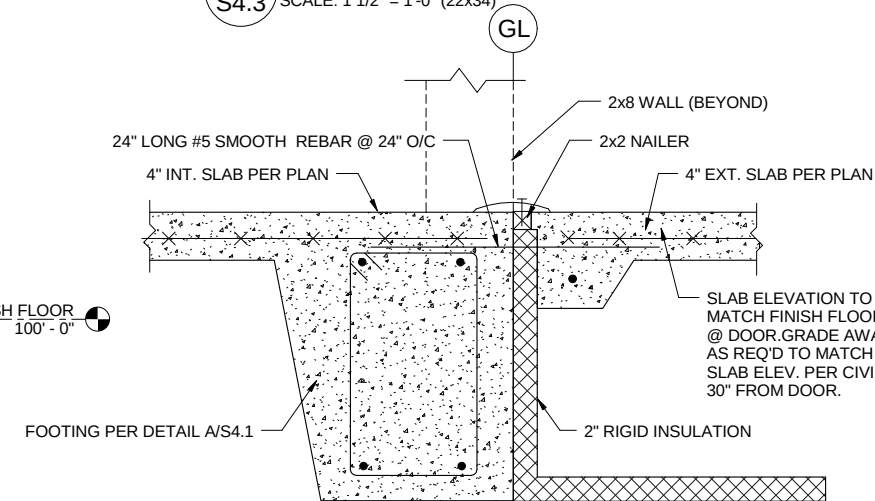
D TYPICAL CONSTRUCTION JOINT @ EXT. SLAB
S4.3 SCALE: 1 1/2" = 1'-0" (22x34)



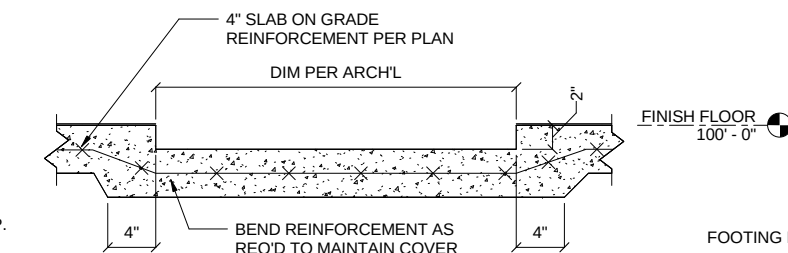
C COLUMN @ RADIAL WALL BEARING
S4.3 SCALE: 1 1/2" = 1'-0" (22x34)



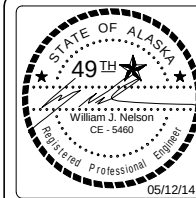
E MONO FOOTING TO STEM WALL
S4.3 SCALE: 1 1/2" = 1'-0" (22x34)



G MAN DOOR THRESHOLD
S4.3 SCALE: 1 1/2" = 1'-0" (22x34)



2" SLAB RECESS
SCALE: 1 1/2" = 1'-0" (22x34)

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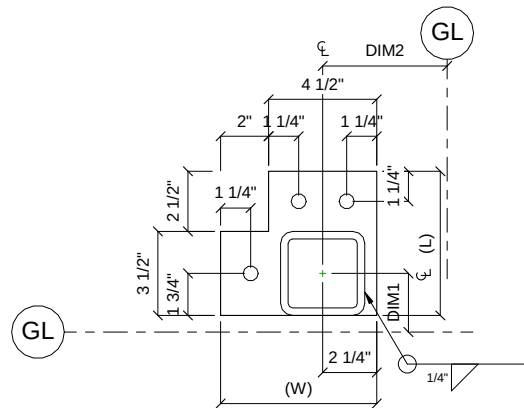
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S4.3

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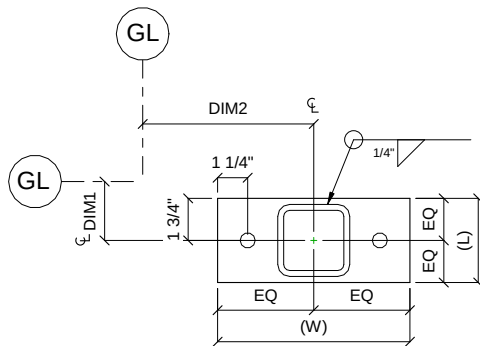


BASEPLATE TYPE B1 SCHEDULE							
PLATE #	LENGTH, L	WIDTH, W	COLUMN	GL / DIM1	GL / DIM2	ELEVATION	ANCHOR BOLT
B1	6 3/4"	6 1/2"	HSS3 1/2X3 1/2X5/16	F 2 5/8"	2 5"	100'-0"	5/8"X10" LONG

NOTE:
1). ALL BASEPLATES ARE 1/4" PLATE
2.) ELEVATION REFERS TO BOTTOM OF BASEPLATE

BASEPLATE TYPE B1

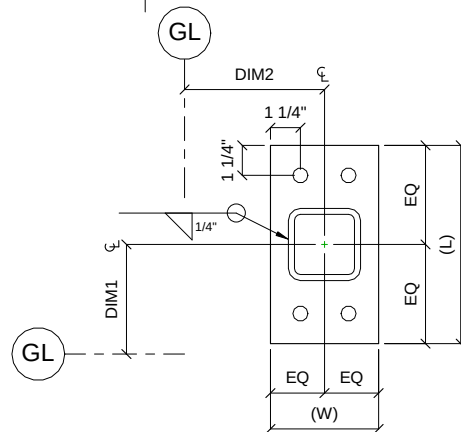
SCALE: 3" = 1'-0" (22x34)



BASEPLATE TYPE B2 SCHEDULE							
PLATE #	LENGTH, L	WIDTH, W	COLUMN	GL / DIM1	GL / DIM2	ELEVATION	ANCHOR BOLT
B2.1	3 1/2"	8"	HSS3X3X1/4	D / 1 3/4"	5 / 1'-1 3/4"	100'-0"	5/8" X 10" LONG
B2.2	3 1/2"	8"	HSS3X3X1/4	D / 1 3/4"	5 / 9'-5 1/4"	100'-0"	5/8" X 10" LONG
B2.3	3 1/2"	8"	HSS3X3X1/4	E / 1 3/4"	5 / 1'-1 3/4"	100'-0"	5/8" X 10" LONG
B2.4	3 1/2"	8"	HSS3X3X1/4	E / 1 3/4"	5 / 9'-5 1/4"	100'-0"	5/8" X 10" LONG
B2.5	3 1/2"	8"	HSS3X3X1/4	C / 4'-10 3/4"	6 / 2'-6 1/4"	100'-0"	5/8" X 10" LONG
B2.6	3 1/2"	8"	HSS3X3X1/4	D / 1 3/4"	6 / 2'-6 1/4"	100'-0"	5/8" X 10" LONG

NOTE:
1). ALL BASEPLATES ARE 1/4" PLATE
2).ELEVATION REFERS TO BOTTOM OF BASEPLATE

B BASEPLATE TYPE B2
S4.4 SCALE: 3" = 1'-0" (22x34)

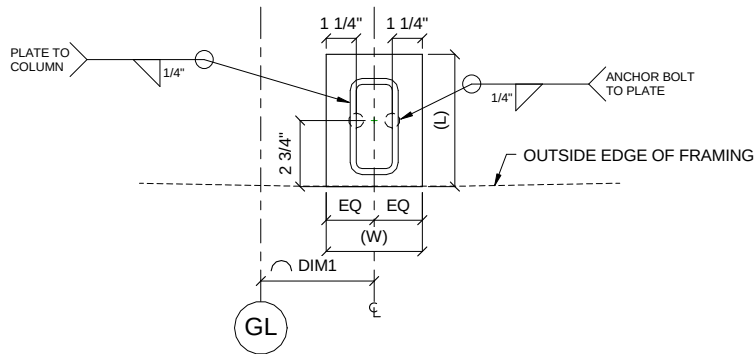


BASEPLATE TYPE B3 SCHEDULE							
PLATE #	LENGTH, L	WIDTH, W	COLUMN	GL / DIM1	GL / DIM2	ELEVATION	ANCHOR BOLT
B3.1	10"	5 1/2"	HSS5x5x3/8"	G / 0'-2 5/8"	R4 / 0"	100'-0"	5/8"DIAx10" LONG
B3.2	10"	5 1/2"	HSS5x5x3/8"	G / 4'-8"	R4 / 0"	100'-0"	5/8"DIAx10" LONG
B3.3	10"	5 1/2"	HSS5x5x3/8"	F.2 / 0"	R4 / 0"	100'-0"	5/8"DIAx10" LONG
B3.4	9"	4 1/2"	HSS4x4x1/4"	C / 5'-6"	3 / 3'-11"	99'-4"	5/8"DIAx10" LONG
B3.5	9"	4 1/2"	HSS4x4x1/4"	C / 5'-6"	3 / 12'-11"	99'-4"	5/8"DIAx10" LONG
B3.6	9"	4 1/2"	HSS4x4x1/4"	C / 5'-6"	5 / 6"	99'-4"	5/8"DIAx10" LONG

NOTE:

- 1). ALL BASEPLATES ARE 1/4" PLATE
- 2). ELEVATION REFERS TO BOTTOM OF BASEPLATE
- 3). PLATE B3.4, B3.5, AND B3.6 SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.

C BASEPLATE TYPE B3
S4.4 SCALE: 3" = 1'-0" (22x34)

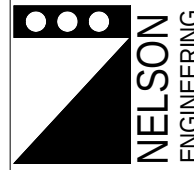
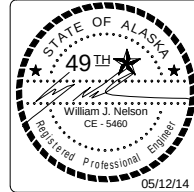


BASEPLATE TYPE B6 SCHEDULE						
PLATE #	LENGTH, L	WIDTH, W	COLUMN	GL / DIM1	ELEVATION	ANCHOR BOLT
B6.1-B6.7	5 1/2"	4"	HSS4x2x1/4"	R1-R7 / 0"	100'-0"	5/8"x4" NELSON STUD
B6.8-B6.15	5 1/2"	4"	HSS4x2x1/4"	R1-R7 / 4'-3 1/4"	100'-0"	5/8"x4" NELSON STUD
B6.16	7"	4"	HSS6x3x1/4"	8 / 3 3/4"	100'-0"	5/8"x14"x8" LONG

NOTES:

- 1). ALL BASEPLATES ARE 1/4" PLATE
- 2). ELEVATION REFERS TO BOTTOM OF BASEPLATE
- 3). ALIGN EDGE OF PLATE W/ EDGE OF FRAMING, TYP.
- 4). ANCHOR BOLTS TO BE WELDED TO BOTTOM SIDE OF BASEPLATE

D BASEPLATE TYPE B6
S4.4 SCALE: 3" = 1'-0" (22x34)

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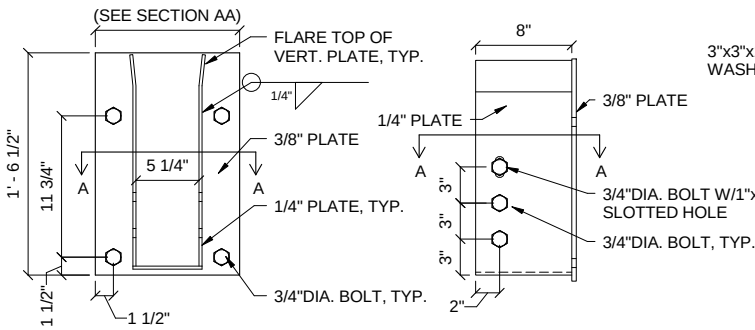
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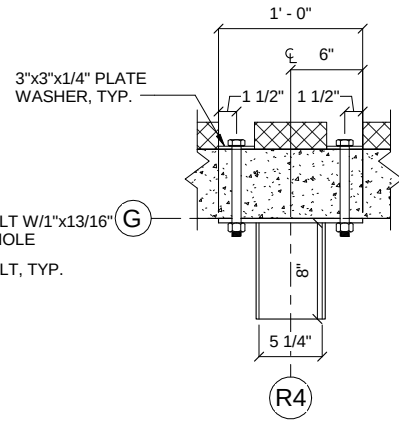
S4.4

SHEET CONTENTS
FOUNDATION
BASEPLATES

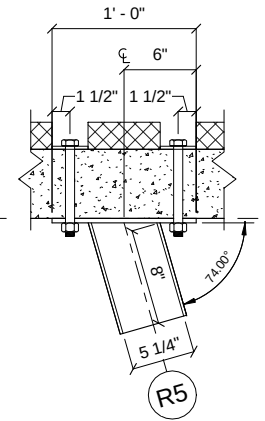


TYP. FRONT ELEVATION

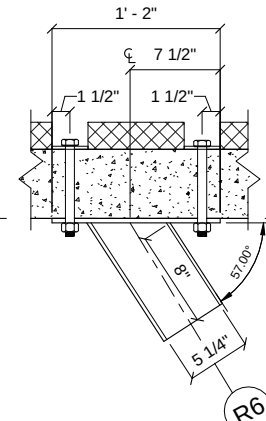
TYP. SIDE ELEVATION



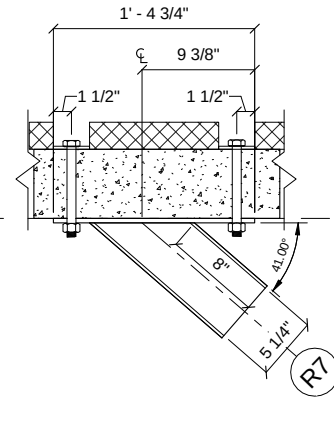
SECTION AA @ R4



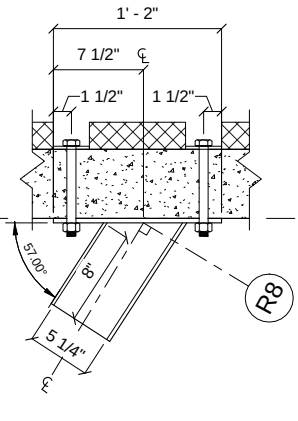
SECTION AA @ R5 & R3



SECTION AA @ R6 & R2



SECTION AA @ R7 & R1



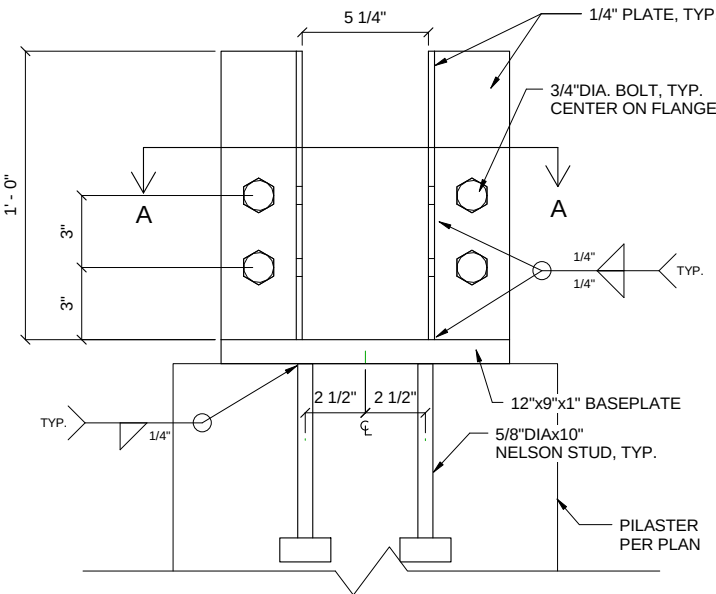
SECTION AA @ R8 & R0

A FOUNDATION STEM WALL RADIAL BEAM SADDLES

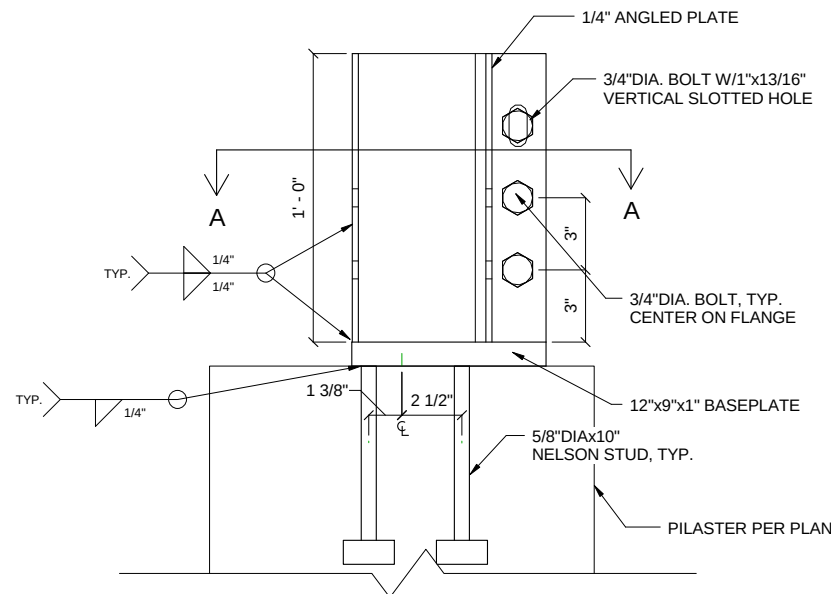
S4.5 SCALE: 1 1/2" = 1'-0" (22x34)

NOTE:

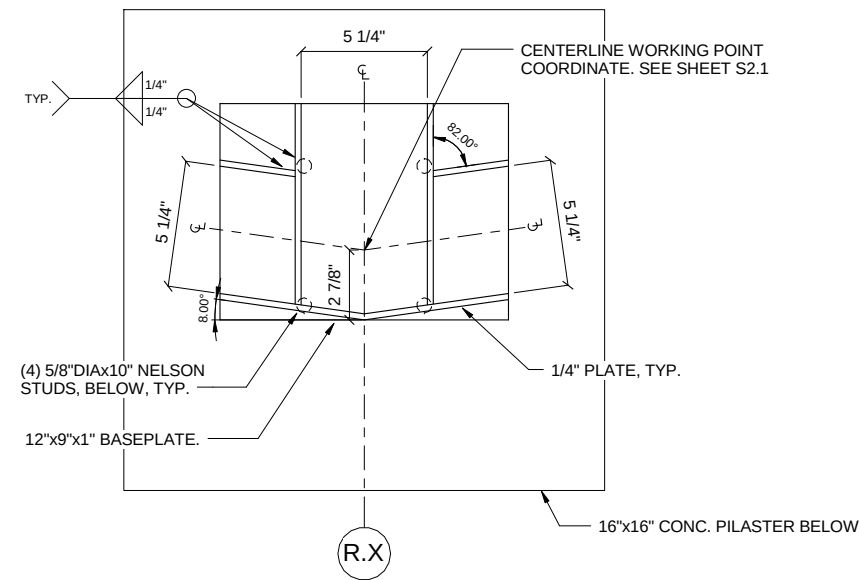
ALL HARDWARE ON THIS SHEET SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION



TYP. FRONT ELEVATION



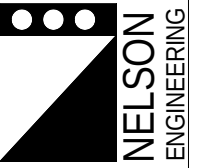
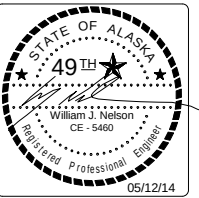
TYP. SIDE ELEVATION



SECTION BB

B RADIAL BEAM SADDLE @ PILASTER

S4.5 SCALE: 3" = 1'-0" (22x34)

HOMER HARBOR
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HOMER, ALASKA 99603

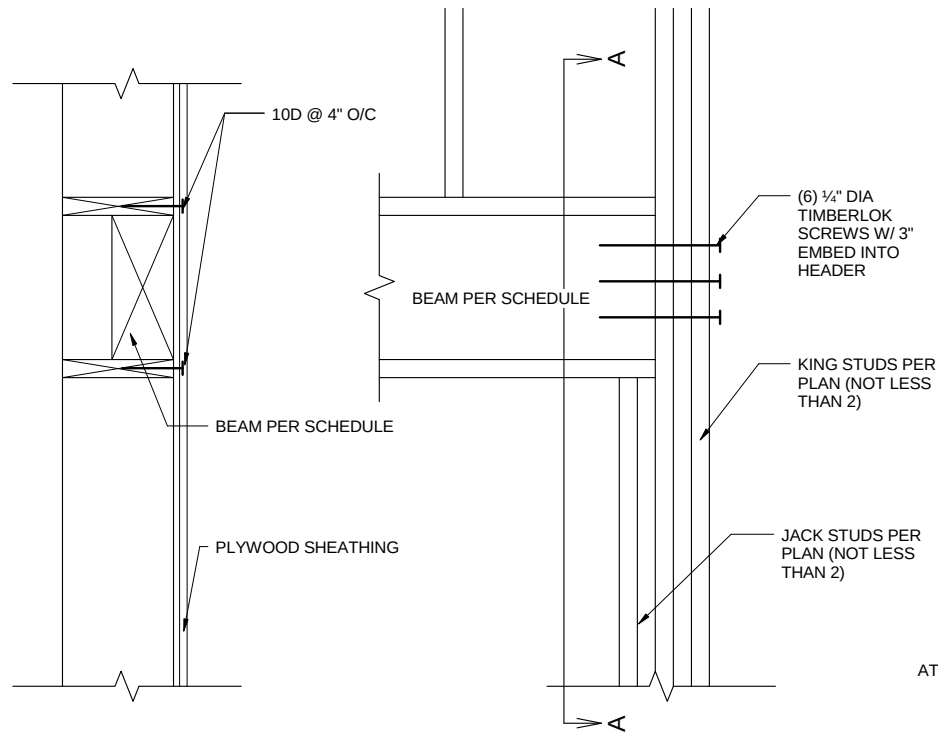
CLIENT:

Klauder & Company
Architects, Inc.606 Petersen Way
Kenai, AK 99611
Office: (907) 283-1919
Fax: (907) 283-0450
klauder@alaska.netDESIGN BY: ZSR
DRAWN: CAM
CHECKED: WJN
JOB NO: 1358
DATE: 5-12-14REVISIONS:
NO. DATE

SHEET NUMBER

S4.5

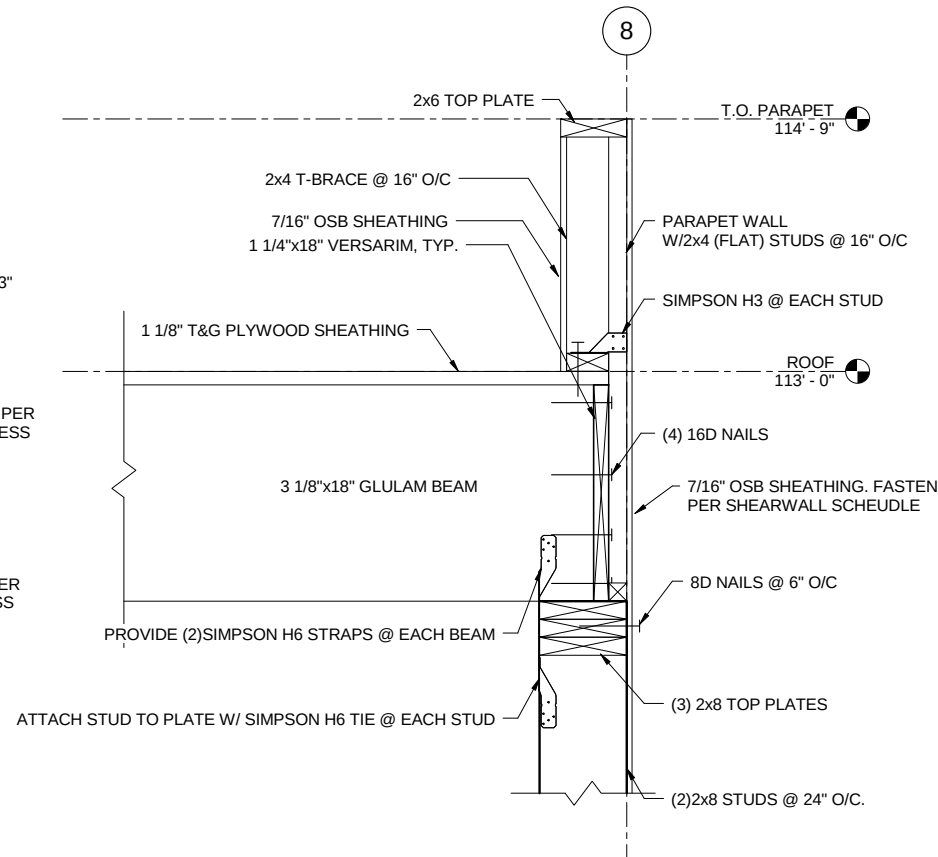
SHEET CONTENTS
FOUNDATION BEAM
SADDLES



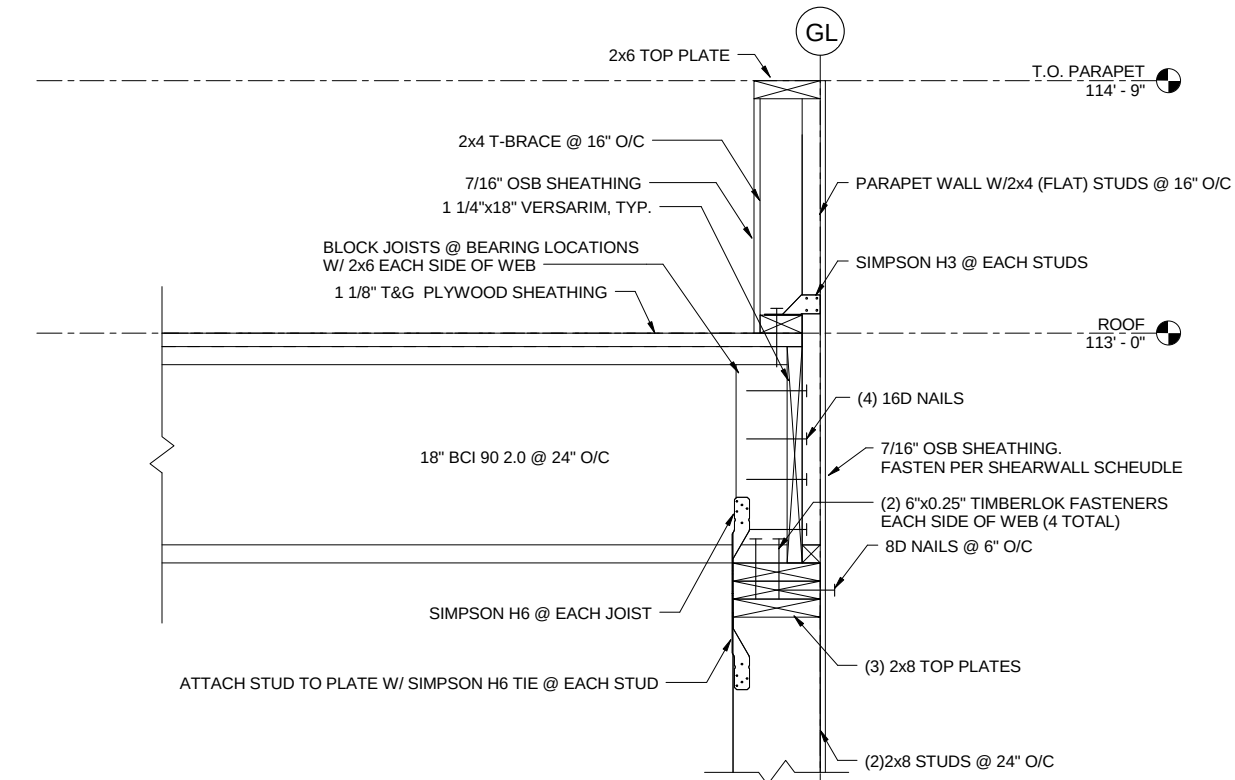
SECTION 'AA'

ELEVATION

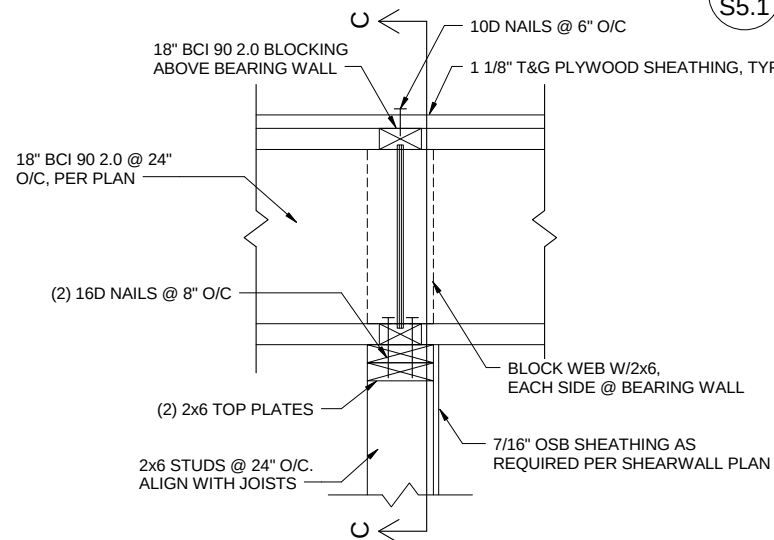
A TYPICAL HEADER
S5.1 SCALE: 1 1/2" = 1'-0" (22x34)



B GLULAM BEARING @ EXTERIOR WALL
S5.1 SCALE: 1 1/2" = 1'-0" (22x34)

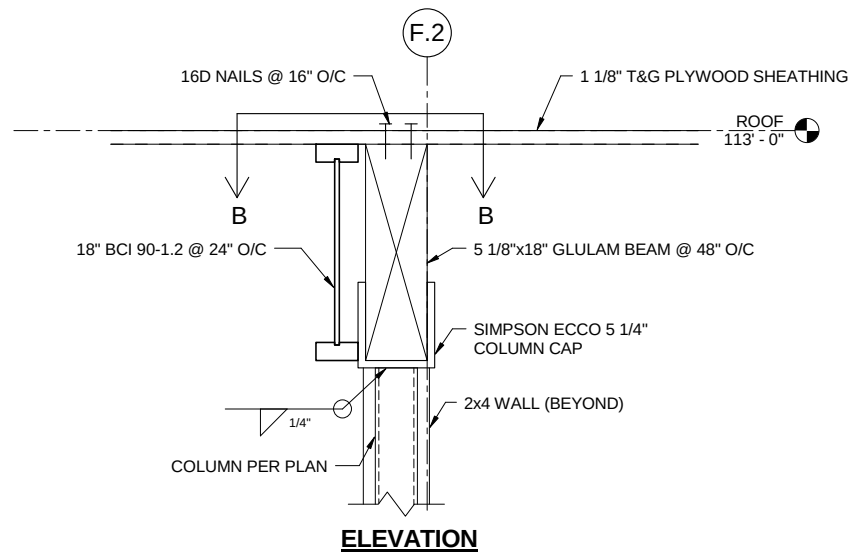


D TYP. EXTERIOR JOIST BEARING
S5.1 SCALE: 1 1/2" = 1'-0" (22x34)

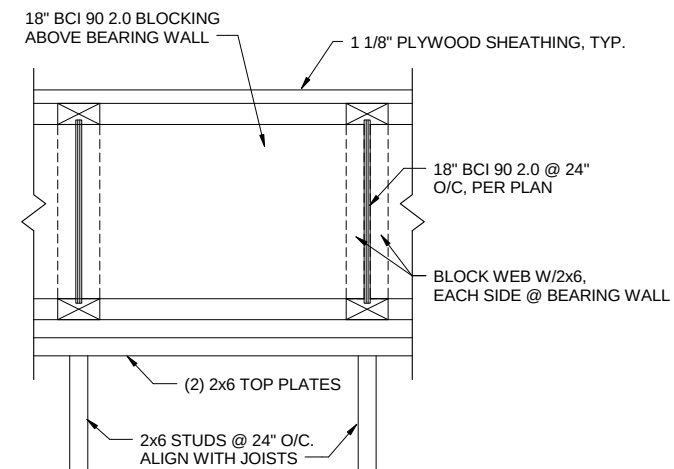


ELEVATION

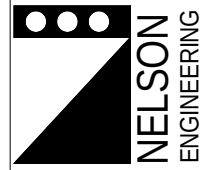
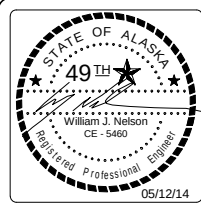
E TYP. JOIST BEARING @ INTERIOR WALL
S5.1 SCALE: 1 1/2" = 1'-0" (22x34)



C JOIST & GLB BEARING @ INTERIOR WALL
S5.1 SCALE: 1 1/2" = 1'-0" (22x34)



SECTION CC



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CLIENT:

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Architects, Inc.

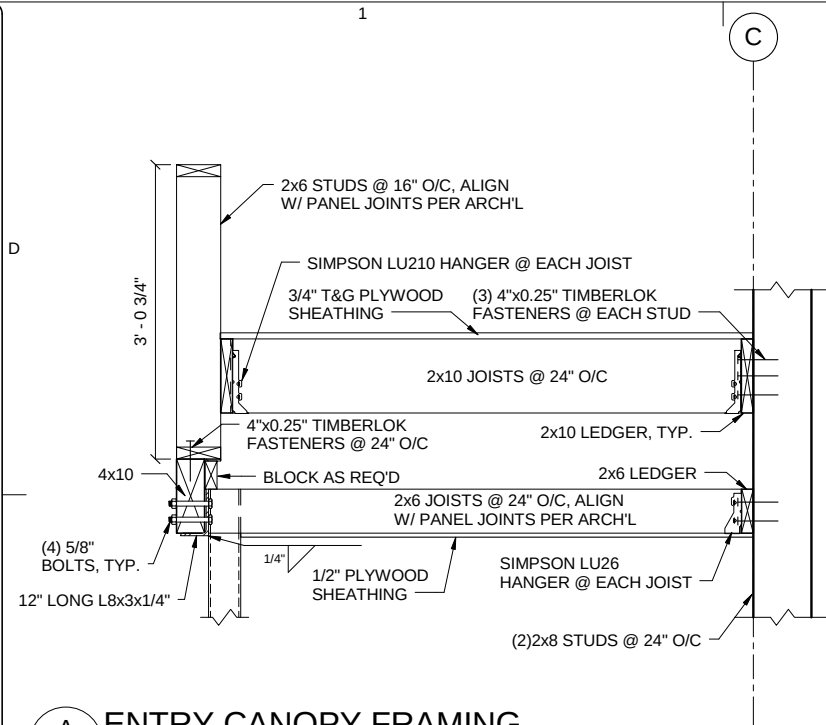
606 Petersen Way
Kenai, AK 99611
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Fax: (907) 283-0450
klauder@alaska.net

DESIGN BY: ZSR
DRAWN: CAM
CHECKED: WJN
JOB NO: 1358
DATE: 5-12-14

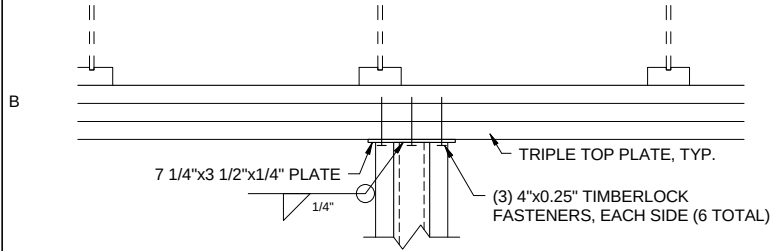
REVISIONS:
NO. DATE

SHEET NUMBER
S5.1

SHEET CONTENTS
DETAILS

**A ENTRY CANOPY FRAMING**

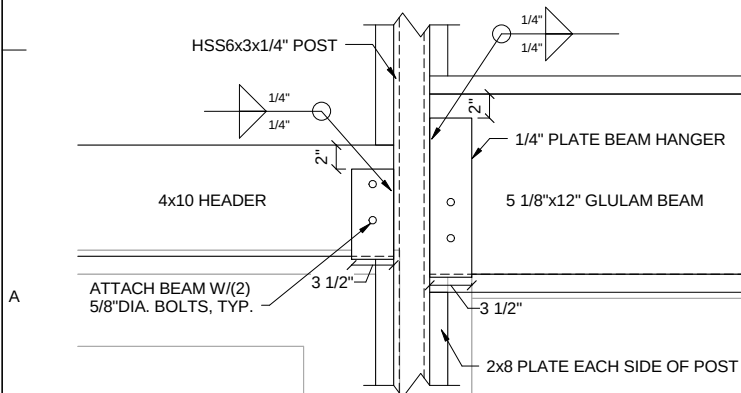
S5.2 SCALE: 1" = 1'-0" (22x34)

**B TYP. EAVE @ RADIAL WALL**

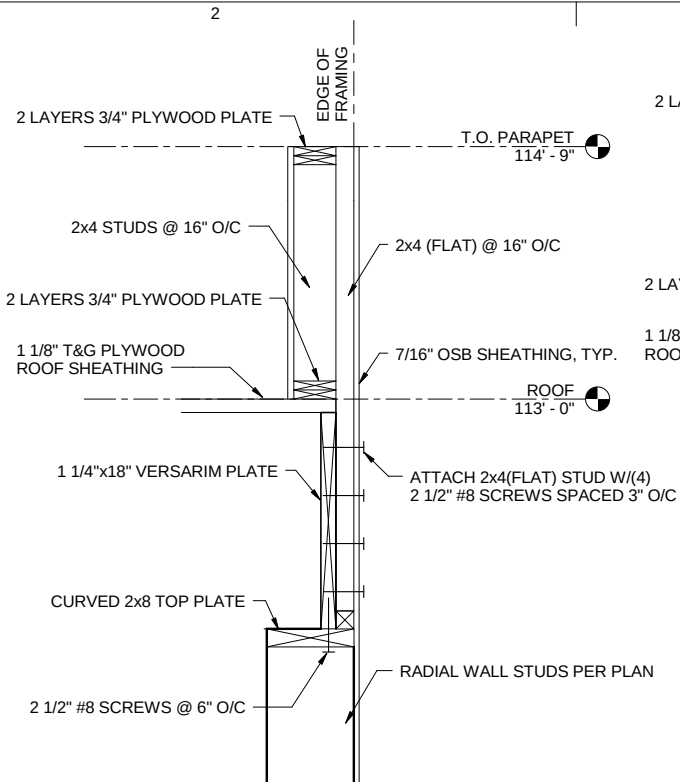
S5.2 SCALE: 1 1/2" = 1'-0" (22x34)

F JOIST HANGER @ BCI GIRDER

S5.2 SCALE: 1 1/2" = 1'-0" (22x34)

**E BEAM & HEADER CONNECTION TO POST**

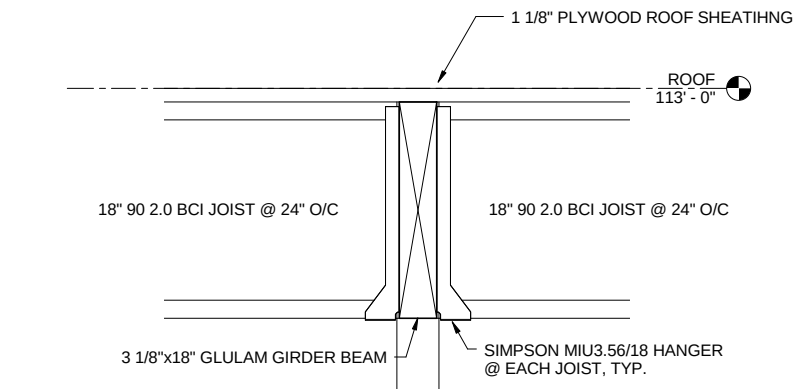
S5.2 SCALE: 1 1/2" = 1'-0" (22x34)

**B TYP. EAVE @ RADIAL WALL**

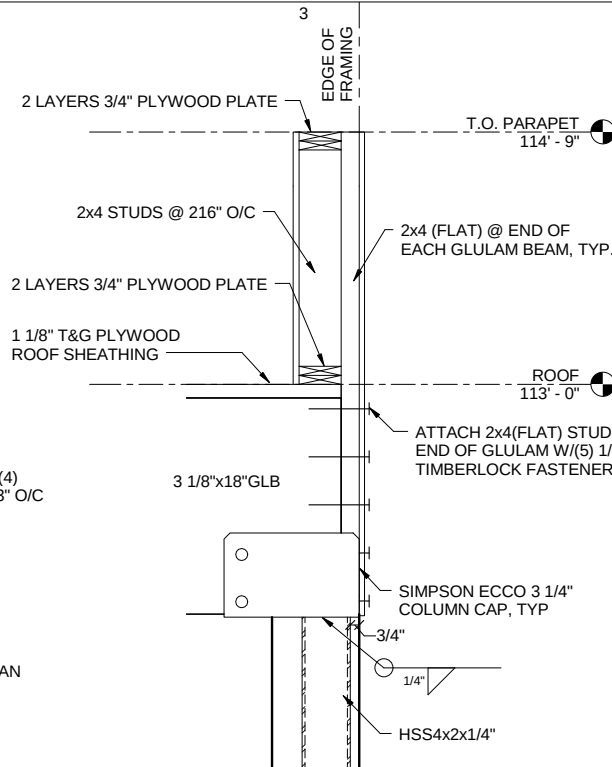
S5.2 SCALE: 1 1/2" = 1'-0" (22x34)

F JOIST HANGER @ BCI GIRDER

S5.2 SCALE: 1 1/2" = 1'-0" (22x34)

**G JOISTS HANGER @ GLULAM GIRDER**

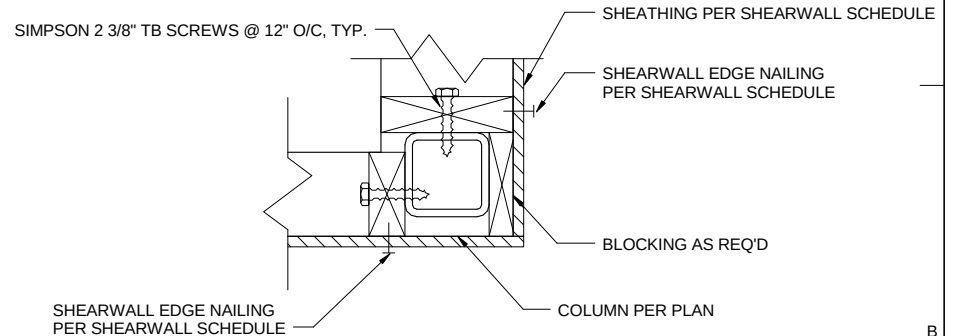
S5.2 SCALE: 1 1/2" = 1'-0" (22x34)

**C POST CAP @ RADIAL WALL**

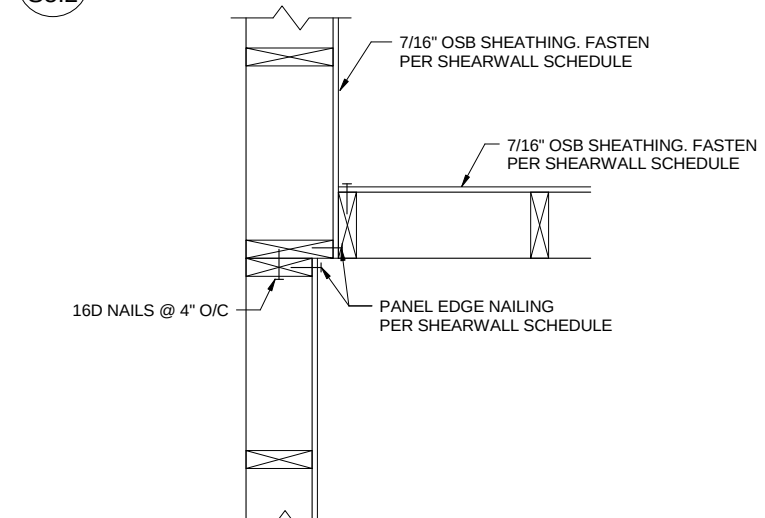
S5.2 SCALE: 1 1/2" = 1'-0" (22x34)

H SHEARWALL END MEMBER TO HSS COLUMN

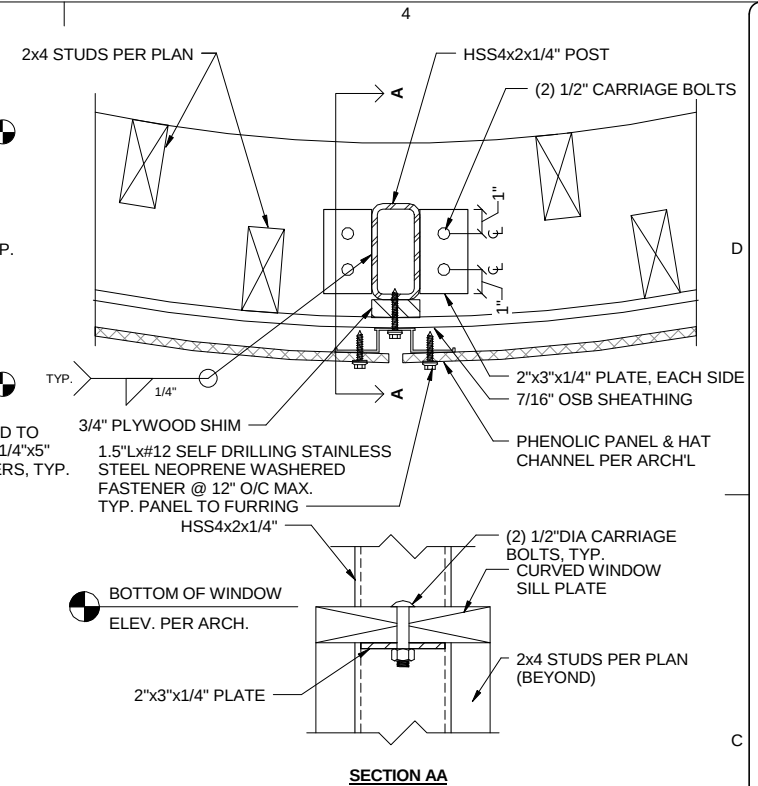
S5.2 SCALE: 3" = 1'-0" (22x34)

**H SHEARWALL END MEMBER TO HSS COLUMN**

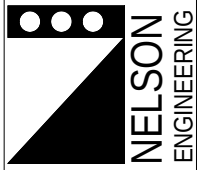
S5.2 SCALE: 3" = 1'-0" (22x34)

**I SHEARWALL SPLICE**

S5.2 SCALE: 1 1/2" = 1'-0" (22x34)

**SECTION AA****D POST @ RADIAL WALL**

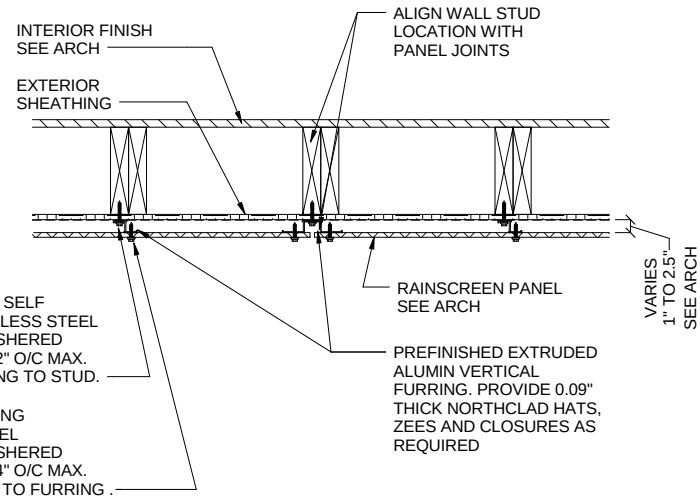
S5.2 SCALE: 3" = 1'-0" (22x34)

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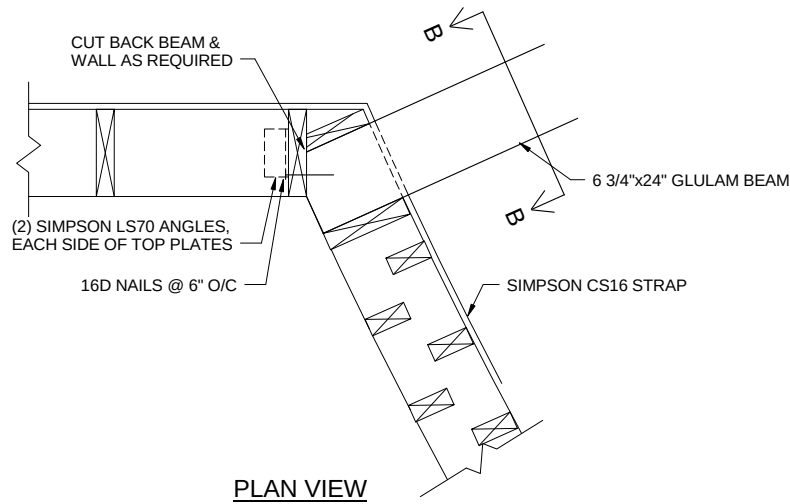
CLIENT:

Klauder & Company
Architects, Inc.606 Petersen Way
Kenai, AK 99611
Office: (907) 283-1919
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klauder@alaska.netDESIGN BY: ZSR
DRAWN: CAM
CHECKED: WJN
JOB NO: 1358
DATE: 5-12-14REVISIONS:
NO. DATESHEET NUMBER
S5.2SHEET CONTENTS
DETAILS

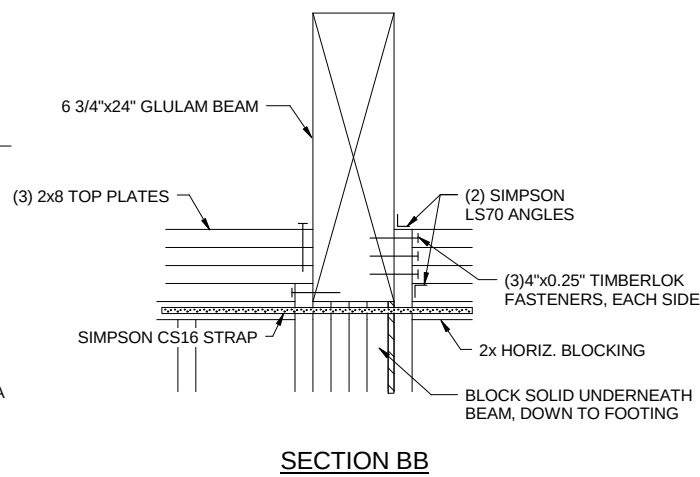
NOTE: FASTEN FURRING INTO
ALIGNED STUD. IN THE CASE OF
MISALIGNED STUDS PROVIDE
HORIZONTAL BLOCKING



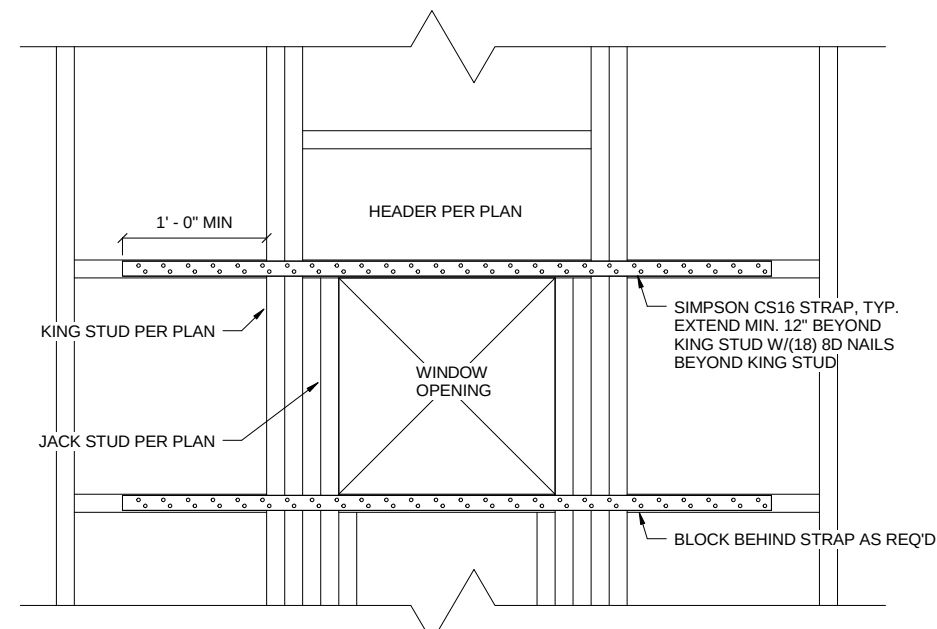
A RAINSCREEN PANEL TYPICAL ATTACHMENT PLAN VIEW
S5.3 SCALE: 1 1/2" = 1'-0" (22x34)



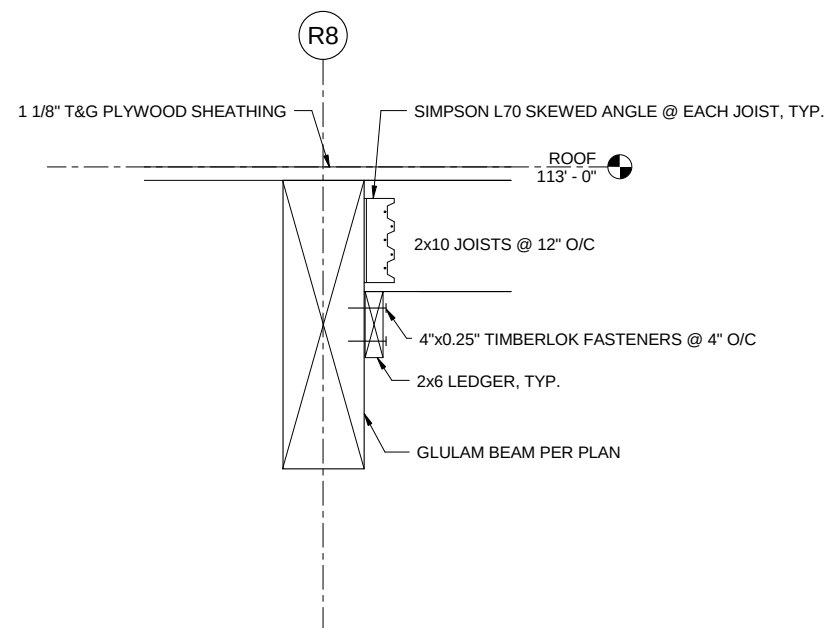
B GLULAM BEAM HANGER
S5.3 SCALE: 1 1/2" = 1'-0" (22x34)



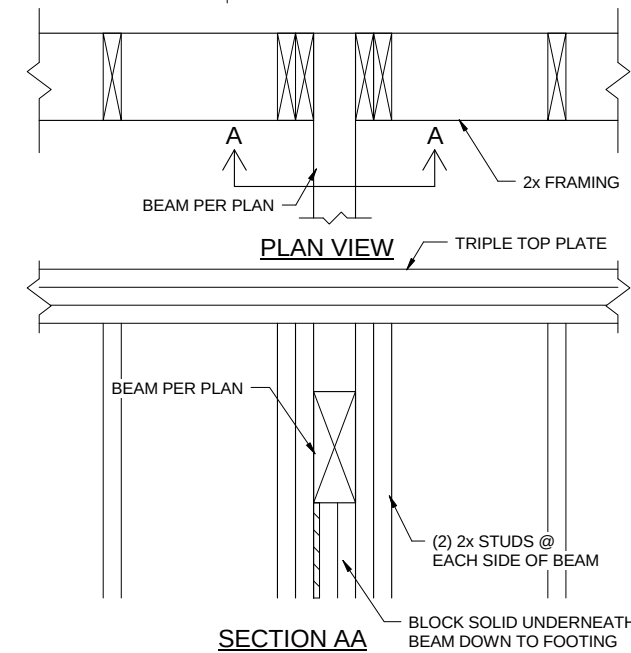
C TYP. BEAM POCKET
S5.3 SCALE: 1 1/2" = 1'-0" (22x34)



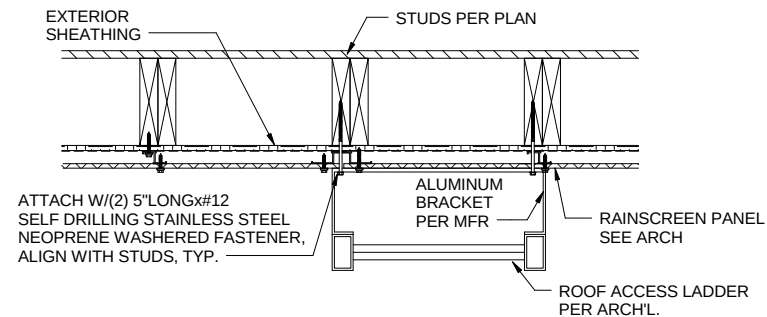
D RADIAL WALL FRAMING @ CORNER
S5.3 SCALE: 1 1/2" = 1'-0" (22x34)



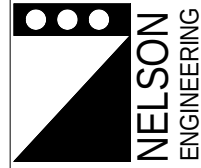
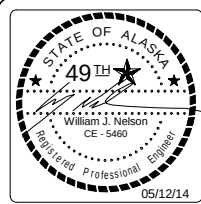
E JOIST LEDGER CONNECTION
S5.3 SCALE: 1 1/2" = 1'-0" (22x34)



F HORIZONTAL WINDOW STRAPPING
S5.3 SCALE: 1 1/2" = 1'-0" (22x34)



G LADDER ATTACHMENT
S5.3 SCALE: 1 1/2" = 1'-0" (22x34)



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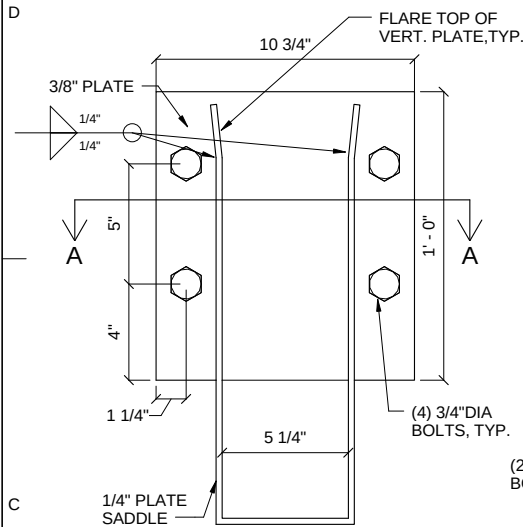
REVISIONS:
NO. DATE

SHEET NUMBER

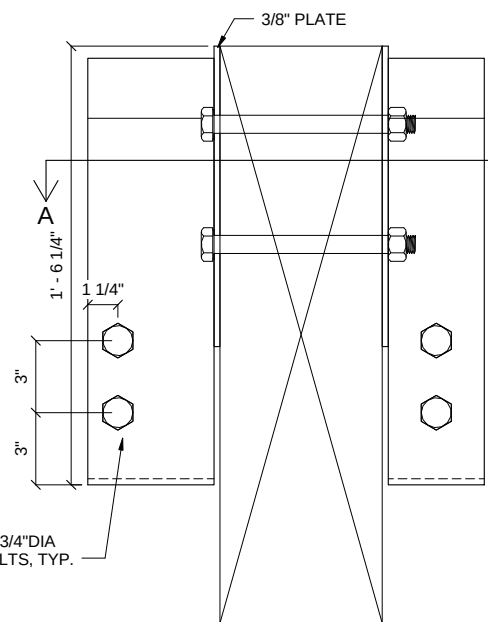
S5.3

SHEET CONTENTS
DETAILS

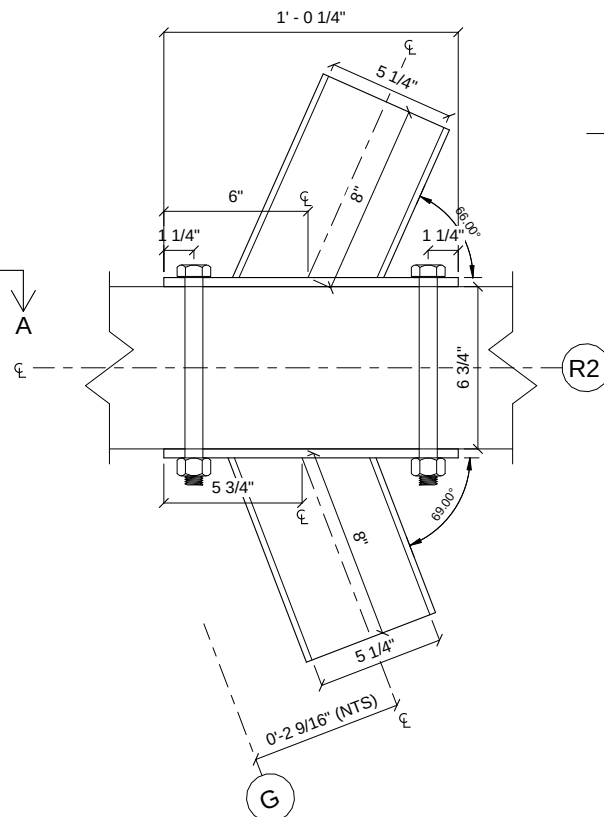
SHEET CONTENTS



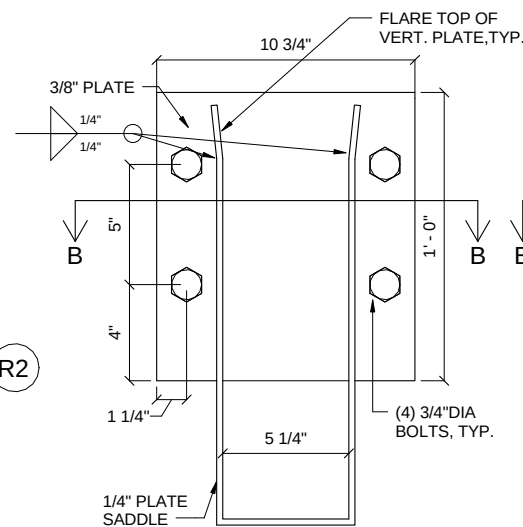
TYP. FRONT ELEVATION



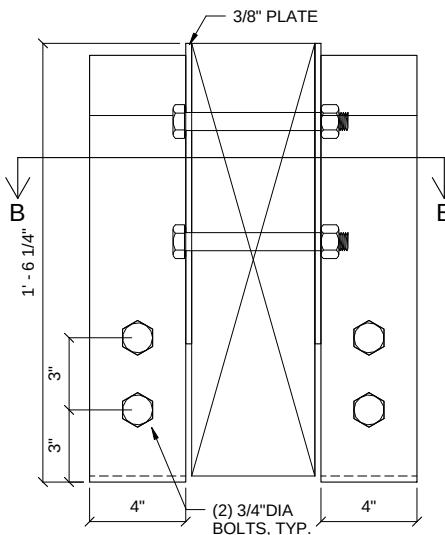
TYP. SIDE ELEVATION



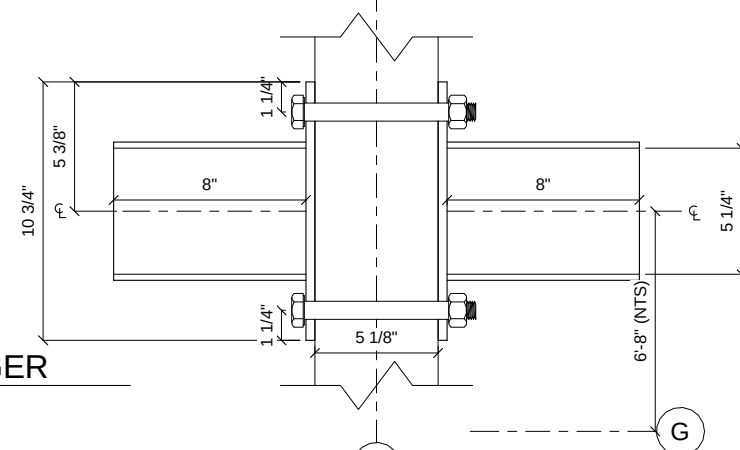
(13) SECTION AA @ R2 & R6



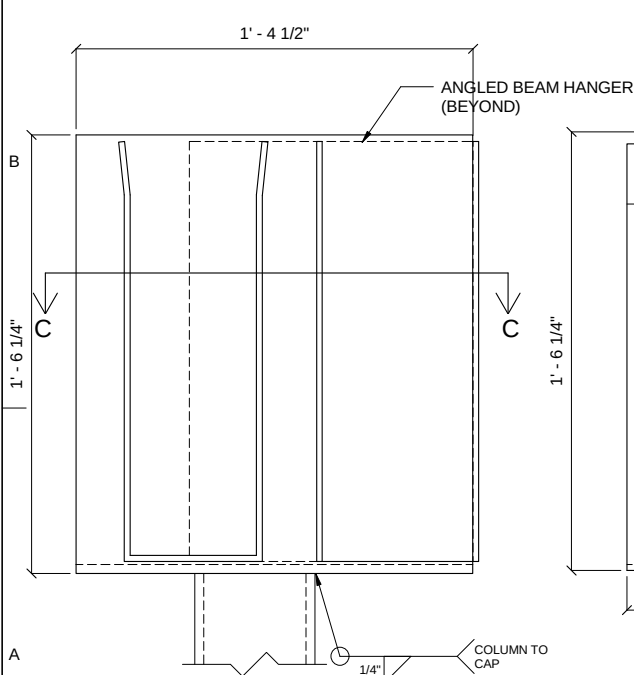
TYP. FRONT ELEVATION



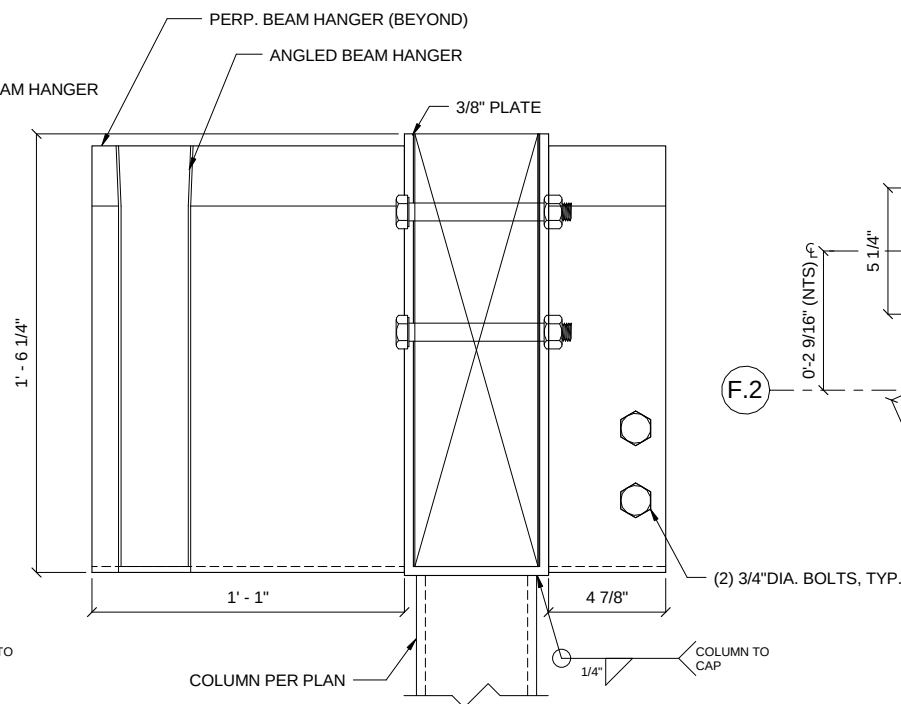
TYP. SIDE ELEVATION



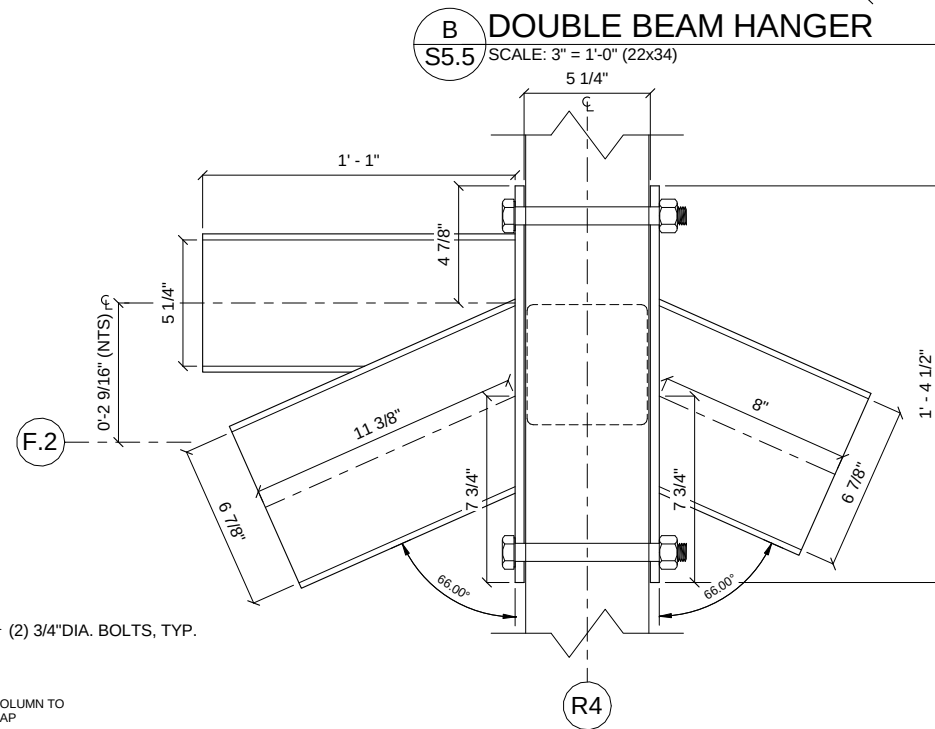
(14) SECTION BB @ R4



TYP. FRONT ELEVATION



SIDE ELEVATION

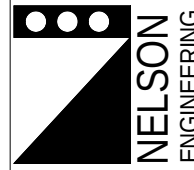
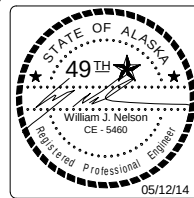


(15) SECTION CC

A **SKewed DOUBLE BEAM HANGER**
S5.5 SCALE: 3" = 1'-0" (22x34)

B **DOUBLE BEAM HANGER**
S5.5 SCALE: 3" = 1'-0" (22x34)

C **MULTI BEAM COLUMN CAP**
S5.5 SCALE: 3" = 1'-0" (22x34)



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SHEET NUMBER
S5.5

SHEET CONTENTS
DETAILS

MECHANICAL SYMBOL LEGEND

PIPING SYMBOLS			HVAC SYMBOLS		
SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION
	W	WASTE			NEW DUCTWORK
	V	VENT		S.L.	ACOUSTICALLY LINED DUCT
	CW	COLD WATER			THERMALLY INSULATED DUCT
	HW	HOT WATER			DUCTWORK UP
	HWC	HOT WATER RECIRCULATION			DUCTWORK DOWN
	HWR	HOT WATER RETURN			TURNING VANES
	HWS	HOT WATER SUPPLY			AIR EXTRACTOR
	SMR	SNOW MELT RETURN		S/A	SUPPLY AIR REG., GRILLE OR DIFFUSER
	SMS	SNOW MELT SUPPLY		R/A	RETURN/EXHAUST AIR REG. OR GRILLE
	G	LOW PRESSURE GAS			SUPPLY
					RETURN OR EXHAUST
	A	AIR PIPING			SUPPLY AIR SLOT WITH FLEX DUCT
		DEEP SEAL TRAP			RETURN AIR SLOT
		PIPE ELBOW DOWN			FLEXIBLE DUCT
		PIPE ELBOW UP			FLEXIBLE CONNECTION
		UNION		VD,BD	VOLUME DAMPER
	GV/SOV	GATE VALVE/SHUT-OFF VALVE		FD	FIRE DAMPER
		PLUG VALVE		FSD	FIRE/SMOKE DAMPER
		GAS COCK		MOD	MOTOR OPERATED DAMPER
		GLOBE VALVE			DUCT SIZE
	MOV	MOTOR OPERATED VALVE 2-WAY		HC	HEATING COIL
	MOV	MOTOR OPERATED VALVE 3-WAY		S/A	SUPPLY AIR
	PRV	PRESSURE REDUCING VALVE		R/A	RETURN/RELIEF AIR
	RV	RELIEF VALVE		E/A	EXHAUST AIR
	CV	CHECK VALVE		O/A	OUTSIDE AIR
		BALL VALVE (FULL PORT)		DD	DUCT DETECTOR
		STRAINER			ACCESS PANEL
		THERMOMETER		T-STAT	THERMOSTAT, THERMOSTAT W/INS. BASE
		PRESSURE GAUGE W/ISOLATION VALVE		SP	STATIC PRESSURE SENSOR
		SOLENOID VALVE		S	SWITCH
	BV	BALANCING VALVE	ABBREVIATIONS		
		BUTTERFLY VALVE		ABBR.	DESCRIPTION
		FLEX CONNECTION		G.I.S.P.	CAST IRON SOIL PIPE
	WHA	WATER HAMER ARRESTER (Y-SIZE)		EAT	ENTERING AIR TEMPERATURE
		AUTOMATIC FLOW CONTROL		LAT	LEAVING AIR TEMPERATURE
	CO	CLEAN-OUT		ENT	ENTERING WATER (GLYCOL) TEMPERATURE
	WCO	WALL CLEAN-OUT		LNT	LEAVING WATER (GLYCOL) TEMPERATURE
	FCO	FLOOR CLEAN-OUT		AFF	ABOVE FINISHED FLOOR
	FD	FLOOR DRAIN		AFG	ABOVE FINISHED GRADE
		PIPE ANCHOR		BDD	BACK DRAFT DAMPER
		PIPE GUIDE		BG	BELOW GRADE
DIFFUSER KEY DIFFUSERS, GRILLES, AND REGISTERS SYMBOL: SIZE 10"x10" 100 CFM TYPE CFM				SS	STAINLESS STEEL
				TP	TRAP PRIMER
				VTR	VENT THRU ROOF
				OADB	OUTSIDE AIR DRY BULB
				AAV	AUTOMATIC AIR VENT
			SYMBOLS DO NOT NECESSARILY APPEAR ON PLANS IN SAME SIZE AND PROPORTION AS SHOWN HERE.		
			PLANS DO NOT NECESSARILY USE ALL OF THE SYMBOLS SHOWN HERE.		

MECHANICAL NOTES

GENERAL:

- THESE DRAWINGS ARE DIAGRAMATICAL IN NATURE AND DO NOT SHOW ALL FITTINGS AND/OR ACCESSORIES NECESSARY FOR A COMPLETE, FUNCTIONAL AND COORDINATED INSTALLATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THEIR WORK WITH OTHER TRADES AND WITH FIELD CONDITIONS.
- ALL PLUMBING PIPING SHALL BE PER THE UNIFORM PLUMBING CODE, 2009 EDITION AND ALL LOCAL AMENDMENTS.
- ALL MECHANICAL WORK SHALL BE PER THE INTERNATIONAL MECHANICAL CODE, 2009 EDITION AND ALL LOCAL AMENDMENTS.
- ALL PENETRATIONS THROUGH FIRE RATED CONSTRUCTION (FIRE BARRIERS, SHAFTS AND HORIZONTAL ASSEMBLIES) MUST COMPLY WITH IBC CHAPTER
- THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND FEES.
- THE CONTRACTOR SHALL PROVIDE SUBMITTAL DATA ON ALL MECHANICAL SYSTEMS. THIS INFORMATION SHALL BE BOUND IN A THREE RING BINDER, PROPERLY MARKED AND TAGGED. DATA SUBMITTED SHALL BE COMPLETE AND SUBMITTED AT ONE TIME AS PARTIAL SUBMITTALS WILL BE RETURNED WITHOUT REVIEW. SUBMITTALS SHALL BE CLEARLY MARKED TO INDICATE EXACT ITEM TO BE SUPPLIED.
- NO SUBSTITUTION OF MATERIALS WILL BE ALLOWED WITHOUT OWNERS APPROVAL.
- AT THE END OF THE PROJECT PROVIDE THE OWNER WITH THREE COPIES OF AN OPERATION AND MAINTENANCE MANUAL ASSEMBLED SPECIFICALLY FOR THIS PROJECT FOR ALL MECHANICAL EQUIPMENT FURNISHED UNDER THIS CONTRACT. INFORMATION SHALL BE COMPLETE AND SHALL PROVIDE SPECIFICATION, OPERATION AND MAINTENANCE INFORMATION, WARRANTY INFORMATION, AS WELL AS SOURCES OF REPLACEMENT PARTS.
- PROVIDE A COMPLETE SET OF AS-BUILT DRAWING AT THE END OF THE PROJECT. DRAWINGS SHALL SHOW ALL CHANGES MADE TO THE PROJECT DURING CONSTRUCTION. AS-BUILT OF CONTROL DRAWINGS SHALL ALSO BE INCLUDED.
- ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE FREE FROM DEFECTS FOR A PERIOD ON ONE YEAR AFTER ACCEPTANCE OF THE PROJECT BY THE OWNER. THIS SHALL INCLUDE MATERIALS, EQUIPMENT AND WORKMANSHIP. ALL DEFECTS SHALL BE REPLACED OR REPAIRED TO THE OWNERS SATISFACTION.
- PROVIDE MANUFACTURERS RECOMMENDED CLEARANCE AND ACCESS TO ALL EQUIPMENT.
- ALL PIPING, DUCT WORK, AND EQUIPMENT SHALL BE SEISMICALLY RESTRAINED IN ACCORDANCE WITH THE SMACNA SEISMIC RESTRAINT MANUAL FOR MECHANICAL SYSTEMS.

SHEET METAL:

- DUCTWORK SHALL BE FABRICATED SHEET METAL AND INSTALLED IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- DIMENSIONS SHOWN FOR DUCTWORK ARE THE INSIDE CLEAR DIMENSIONS. CONTRACTOR SHALL ADD TO THE DUCT ALLOWANCES FOR SOUND LINING.
- PAINT INTERIOR OF ALL DUCTWORK VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS FLAT BLACK. FLEX DUCT SHALL ONLY BE USED AT DIFFUSER CONNECTIONS AND SHALL BE THE SAME DIAMETER AS THE DIFFUSER NECK.
- FLEX DUCT LENGTH SHALL NOT EXCEED 5 FEET, AND SHALL NOT BE INSTALLED WITH MORE THAN ONE (1) 90° FULL RADIUS BEND.

PIPING:

- DOMESTIC HOT AND COLD WATER PIPING SHALL BE TYPE "L" HARD DRAWN COPPER TUBING, WROUGHT SOLDER TYPE FITTINGS, 95/5 TIN-ANTIMONY OR LEAD FREE SILVER BEARING SOLDER. PROVIDE WATER HAMMER ARRESTORS FOR ALL BATTERIES OF FIXTURES. PEX TUBING MAY BE USED WHERE ALLOWED BY CODE.
- WASTE, AND VENT PIPE SHALL BE "ABS" PIPING WITH DRAIN, WASTE & VENT FITTINGS AND SHALL BE INSTALLED AND TESTED PER THE REQUIREMENTS OF THE LATEST ADOPTED EDITION OF THE UNIFORM PLUMBING CODE.
- PROVIDE BACKFLOW PREVENTERS WHERE REQUIRED BY THE UPC AND OR THE LOCAL AUTHORITIES.
- VALVES FOR PLUMBING SYSTEMS SHALL BE BALL VALVES. PROVIDE ISOLATION VALVES FOR EACH FIXTURE BATTERY AND WHERE INDICATED ON DRAWINGS.
- RAIN LEADER PIPING SHALL BE SCHEDULE 40 ABS WITH DWV FITTINGS.
- HEATING PIPING SHALL BE TYPE "L" HARD DRAWN COPPER TUBING, WROUGHT SOLDER TYPE FITTINGS, 95/5 TIN-ANTIMONY OR LEAD FREE SOLDER. PEX TUBING CAN BE USED FOR 3/4" HEATING LINES.
- NATURAL GAS PIPING SHALL BE SCHEDULE 40 STEEL PIPING WITH THREADED FITTINGS. GAS VALVES SHALL BE AGA APPROVED.

PLUMBING:

- PLUMBING FIXTURES SHALL BE COMMERCIAL GRADE COMPLETE WITH ALL TRIM. FOR FIXTURE MANUFACTURER, MODEL ETC. SEE THE PLUMBING FIXTURE SCHEDULE.
- PLUMBING EQUIPMENT SHALL BE COMMERCIAL GRADE COMPLETE WITH ALL SAFETIES AND TRIM. FOR INFORMATION ON MODEL ETC., SEE EQUIPMENT SCHEDULES.

HEATING:

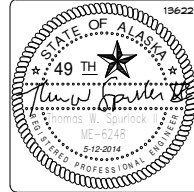
- HEATING EQUIPMENT SHALL BE COMMERCIAL GRADE COMPLETE WITH ALL SAFETIES AND TRIM. FOR INFORMATION ON MODEL ETC., SEE EQUIPMENT SCHEDULES.

INSULATION:

- INSULATE ALL COLD PIPES WITH 1" FIBERGLASS INSULATION, WITH VAPOR BARRIER JACKET. (FIBERGLASS 25ASJ/SSL-II).
- INSULATE ALL HOT PIPES, UP TO 2", WITH 1" FIBERGLASS INSULATION, PIPES 2-1/2" OR LARGER, INSULATE WITH 1-1/2" FIBERGLASS INSULATION. (FIBERGLASS 25ASJ/SSL-II).
- INSULATE EXHAUST DUCT WORK FROM FAN TO THE EXTERIOR.
- 2" INSULATION ON ALL OSA, AND RELIEF AIR DUCTWORK.
- INSULATE ALL ABS & PVC PIPING IN CEILING PLENUM WITH 1" FIBERGLASS INSULATION (FIBERGLASS 25ASJ/SSL-II).

CONTROLS:

- THE CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERATIONAL CONTROL SYSTEM AS REQUIRED TO PROVIDE EQUIPMENT CONTROL PER THE SEQUENCE OF OPERATION.



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JOB NO: 1325
DATE: 5-12-2014

REVISIONS:
NO. DATE

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M1.1
SHEET CONTENTS
LEGEND,
ABBREVIATIONS &
NOTES

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	WASTE SIZE	VENT SIZE	HN SIZE	CN SIZE	REMARKS (SEE NOTES)
HB-1	HOSE BIBB - CN ONLY	---	---	---	1/2"	WOODFORD MODEL #19 FROST FREE CN HOSE BIBB
HB-2	HOSE BIBB - HN & CN	---	---	1/2"	1/2"	WOODFORD MODEL #22 FROST FREE CN & HN HOSE BIBB
P1-1	WATER CLOSET "ADA"	4"	2"	---	1"	KOHLER KINGSTON K-4323 WALL HUNG WATER CLOSET WITH SLOAN MODEL 140-1.28 ES-STMOSNB FLUSH VALVE, CARRIER AND TRIM
P2-1	URINAL	2"	2"	---	1"	KOHLER DEXTER K-5016-ER-O WALL HUNG URINAL WITH SLOAN MODEL 190-1.5-WB ES.S FLUSH VALVE, CARRIER AND TRIM
P3-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	
P4-1	UTILITY SINK	2"	1-1/2"	1/2"	1/2"	UTILITY SINK WITH FAUCET AND TRIM
P4-2	JANITOR MOP SINK	2"	1-1/2"	1/2"	1/2"	FLOOR MOUNTED MOP SINK WITH FAUCET AND TRIM
P4-3	BREAK ROOM SINK	2"	1-1/2"	1/2"	1/2"	COUNTER MOUNTED TWO COMPARTMENT S.S. SINK WITH FAUCET
P4-4	KITCHEN SINK	2"	1-1/2"	1/2"	1/2"	KOHLER CADENCE K3145-4-NA WITH DELTA 9178-AR-DST FAUCET AND IN-SINK-ERATOR GARBAGE DISPOSAL
P5-1	WASHER BOX	2"	1-1/2"	1/2"	1/2"	WASHER CONNECTION BOX
P6-1	SHOWER	2"	1-1/2"	1/2"	1/2"	SHOWER WITH HEAD, DELTA T13220-DPE FAUCET, AND DRAIN
FD-1	FLOOR DRAIN	2"	1-1/2"	---	---	J.R. SMITH MODEL #2005 WITH TRAP PRIMER
OFD-1	OVERFLOW ROOF DRAIN	---	---	---	---	J.R. SMITH MODEL #1070 (3")
RD-1	ROOF DRAIN	---	---	---	---	J.R. SMITH MODEL #1010 (3")

NOTE 1. SUBMIT PLUMBING FIXTURES FOR APPROVAL BY THE ARCHITECT AND OWNER.

AIR OUTLET SCHEDULE

TAG	UNIT SIZE	SCFM	FINISH	USE	REMARKS (SEE NOTES)
A	12"x12"	AS NOTED	MATCH CEILING	S/A	CEILING SUPPLY DIFFUSER, TITUS "TMS"
B	12"x12"	AS NOTED	MATCH CEILING	S/A	CEILING SUPPLY DIFFUSER, TITUS "TMS"
C	12"x6"	AS NOTED	MATCH DUCT	S/A	DUCT MOUNTED SUPPLY DIFFUSER, TITUS "300 RS"
D	18"x10"	AS NOTED	MATCH WALL	S/A	WALL MOUNTED SUPPLY DIFFUSER, TITUS "300 RS"
F	12"x12"	AS NOTED	MATCH CEILING	S/A	CEILING SUPPLY DIFFUSER, TITUS "TMS"
G	12"x12"	AS NOTED	MATCH CEILING	E/A	CEILING EXHAUST GRILLE, TITUS "50F"
R	12"x12"	AS NOTED	MATCH CEILING	R/A	CEILING RETURN GRILLE, TITUS "50F"
S	24"x24"	AS NOTED	MATCH CEILING	R/A	CEILING RETURN GRILLE, TITUS "50F"
T	12"x12"	AS NOTED	MATCH CEILING	T/A	CEILING EXHAUST GRILLE, TITUS "50F"

NOTES: 1. DIFFUSER NECK SIZE TO MATCH DUCT SIZE ON DRAWINGS.

FAN SCHEDULE

TAG	LOCATION	SCFM	RPM	O.V. FPM	S.P.	TYPE	NOM. SIZE	USE	DISC.	MOTOR HP/VOLT/PH	REMARKS (SEE NOTES)
EF-1	MECH. ROOM	500	---	---	0.375"	IN-LINE	---	E/A	HORIZ.	1/6 / 120/1	GREENHECK SQ-100-B SEE NOTE 1

NOTES:
1. PROVIDE WITH DISCHARGE DAMPER

ROOF TOP UNIT SCHEDULE

TAG	LOCATION	SCFM	RPM	ESP	COOLING TONS	GPM	HEATING OUTPUT MBH	USE	DISC.	BLOWER MOTOR HP/VOLT/PH	REMARKS
RTU-1	ROOF	3650	---	1.25"	8.0	9.2	124	S/A	VERT.	4.0/208V/3 PH	SEE SPEC. BELOW (MCA 36.3)

RTU-1

FURNISH A DAIKIN DPS007 UNIT OR EQUIVALENT IN ACCORDANCE WITH THE PERFORMANCE DESCRIBED ABOVE.
PACKAGED UNIT SHALL BE DESIGNED FOR OUTDOOR INSTALLATION AND SHALL BE MOUNTED ON A CURB FURNISHED WITH THE UNIT.
THE HEATING SECTION SHALL BE HYDRONIC HEATING COIL AS SCHEDULED ABOVE. 50/50% PROPYLENE GLYCOL.

THE COOLING SECTION SHALL CONSIST OF A THREE REFRIGERANT CIRCUIT CONTAINING SCROLL COMPRESSORS, CRANKCASE HEATERS, FILTER-DRYERS, SUCTION LINE FREEZ-STAT, COMPRESSOR MOTOR PROTECTION AND SCHRADER ACCESS VALVE. DIRECT EXPANSION DRAIN THROUGH EVAPORATOR COILS CONSTRUCTED OF COPPER TUBES MECHANICALLY EXPANDED IN ALUMINUM FINS. THE FAN SECTION SHALL CONSIST OF A BELT DRIVEN BLOWER AND A FILTER SECTION WITH 1" THROW AWAY FILTERS.

OPTIONS SHALL INCLUDE AN ECONOMIZER PACKAGE WITH ENTHALPY HIGH LIMIT AND CO2 OVERRIDE, A 14" HIGH ROOF CURB, LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 0° F., A POWERED RELIEF PACKAGE, AND AN ELECTRONIC PROGRAMMABLE THERMOSTAT, WITH AUTOMATIC HEAT/COOL CHANGE OVER.

ELECTRICAL REQUIREMENTS: UNIT SHALL BE FURNISHED WITH HIGH EFFICIENCY MOTORS AND MAGNETIC STARTERS.

EQUIPMENT SCHEDULE

B-1

BOILER: TRIANGLE TUBE PRESTIGE SOLO MODEL "399" GAS FIRED BOILER, 399 MBH INPUT, 379 OUTPUT, 120 VOLT. PROVIDE WITH ALL REQUIRED TRIM AND SAFETIES. PROVIDE WITH INTAKE/EXHAUST PACKAGE AND ACID NEUTRALIZATION KIT.

CRU-1 & CU1

COMPUTER ROOM UNIT: MITSUBISHI MODEL MSZ-FE12NA AND MUZ-FE12NA COMPUTER ROOM COOLING UNIT AND REMOTE CONDENSER. 12 MBH COOLING, 208/230 VOLT SINGLE PHASE, 15 AMP BREAKER, INDOOR MCA 1A, OUTDOOR MCA 12A.

ET-1

EXPANSION TANK: AMTROL AX-40(V)(ASME).

GMT-1

GLYCOL TANK: AXIOM MF200 'PRESSURE PAL' MINI SYSTEM FEEDER, 6.0 GALLONS, WALL MOUNTED, 120 VOLT SINGLE PHASE, 40 WATTS

HWG-1

HOT WATER GENERATOR: SUPERSTOR HOT WATER GENERATOR, MODEL SS-80DN. 80 GALLONS CAPACITY, 221 GALLONS PER HOUR RECOVERY WITH 80 DEGREE RISE. 7.0 GPM, 190 DEGREE EWT, 160 DEGREE LWT.

L-1

LOUVER - RUSKIN ELF 6375DXD - 14"X14"

PUMP SCHEDULE

TAG	LOCATION	SERVICE	FLUID	FLUID TEMP.	GPM	HEAD FT.	MOTOR HP / VOLT/PH	REMARKS (SEE NOTES)
CP-1	MECH. ROOM	BOILER CIRCULATION	50/50% PG	200	44.0	20.0	3/4 / 208/3	GRUNDFOS UPS 32-160
CP-2	MECH. ROOM	HEADER CIRCULATION	50/50% PG	200	44.0	20.0	3/4 / 208/3	GRUNDFOS UPS 32-160
CP-3	MECH. ROOM	HWG-1 CIRCULATION	50/50% PG	200	10.0	25.0	1/6 / 120/1	GRUNDFOS UP 26-99F
CP-4	MECH. ROOM	HEATING CIRCULATION	50/50% PG	200	34	35.0	3/4 / 208/3	GRUNDFOS UPS 32-160
CP-5	MECH. ROOM	HOT WATER RE-CIRC.	WATER	120	3.0	15.0	1/25 / 120/1	GRUNDFOS UP 15-42B1

NOTES:

HYDRONIC HEATING SCHEDULE

TAG	TYPE	FLUID	EWT	LWT	GPM	MBH	CFM	RPM	MOTOR HP/VOLT/PH	REMARKS (SEE NOTES)
BB-1	BASEBOARD	50/50% PG	200	180	0.13/LF	1.12/LF	---	---	---	BEACON MORRIS "TP-14" W/ STC-3/4 435 ELEMENT
BB-2	BASEBOARD	50/50% PG	200	180	0.13/LF	1.12/LF	---	---	---	BEACON MORRIS STC-3/4 435 ELEMENT
CUH-1	CABINET UNIT HEATER	50/50% PG	200	180	1.6	16.4	230	1050	96W / 120/1	BEACON/MORRIS, MODEL WI-1100-02, WALL CABINET, 2 ROW COIL
UH-1	UNIT HEATER	50/50% PG	200	180	0.8	8.0	245	---	0.53 AMP / 120/1	BEACON MORRIS, HORIZONTAL UNIT HEATER, PROPELLER TYPE, MODEL HB-108A
UH-2	UNIT HEATER	50/50% PG	200	180	4.3	35.9	850	1000	1/20 HP / 120/1	BEACON MORRIS, HORIZONTAL UNIT HEATER, PROPELLER TYPE, MODEL HB-136A

NOTES:



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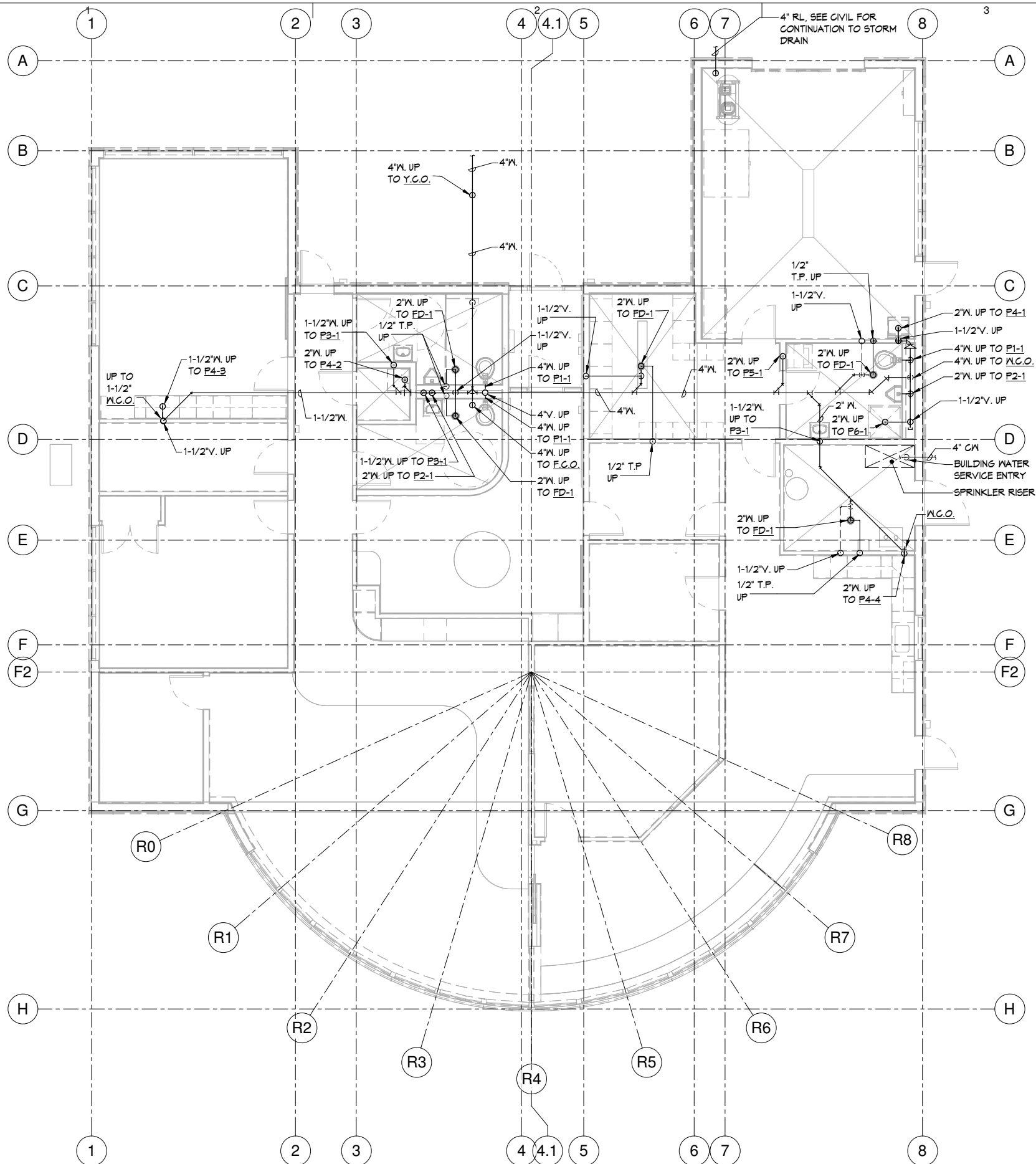
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MECHANICAL SCHEDULES

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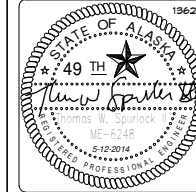
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1

UNDERFLOOR PLUMBING - PLAN

SCALE: 3/16" = 1'-0"



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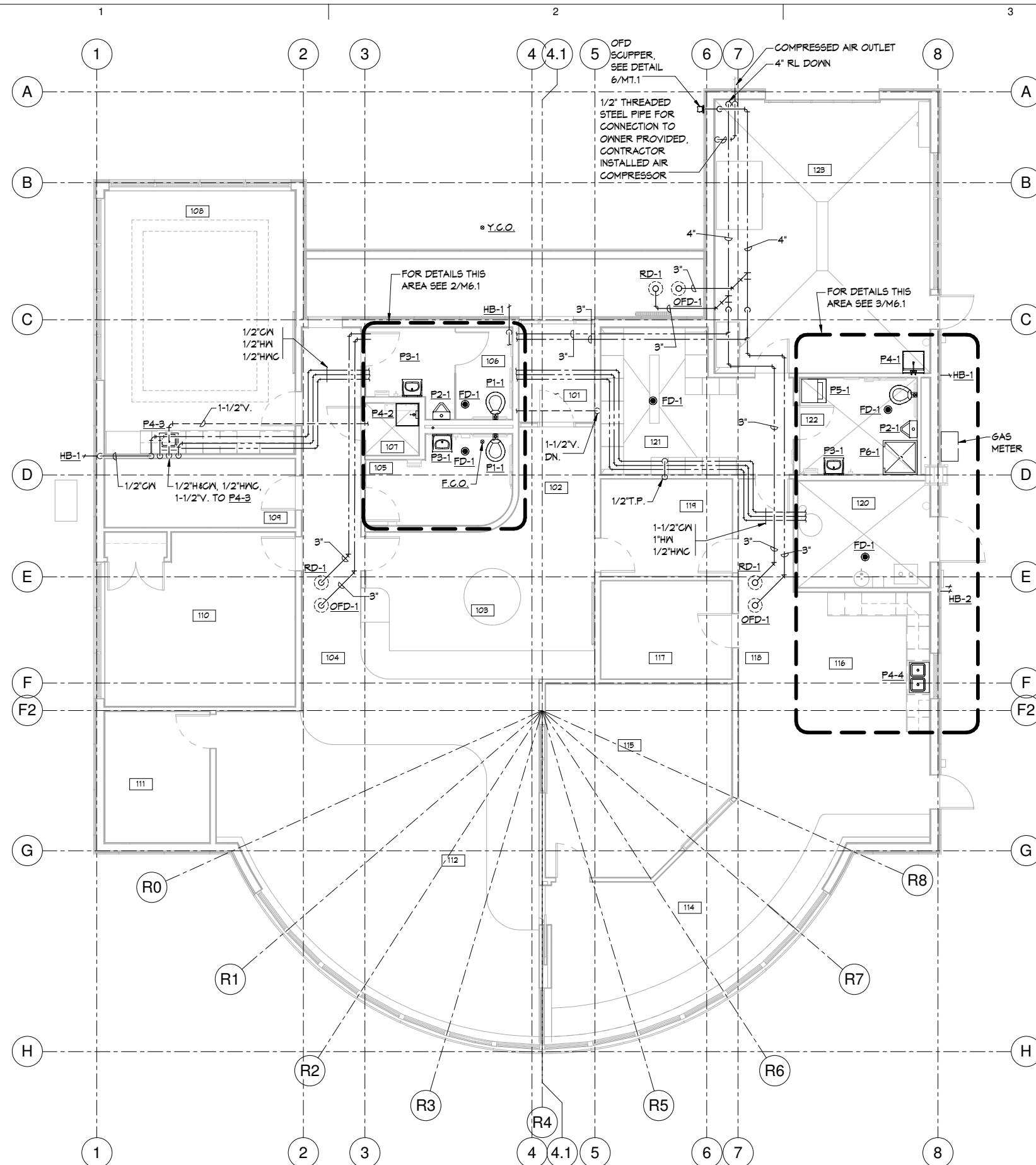
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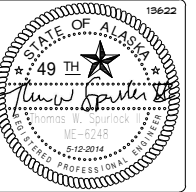
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SHEET CONTENTS
UNDERFLOOR
PLUMBING - PLAN



1 PLUMBING - PLAN
SCALE: 3/16" = 1'-0"



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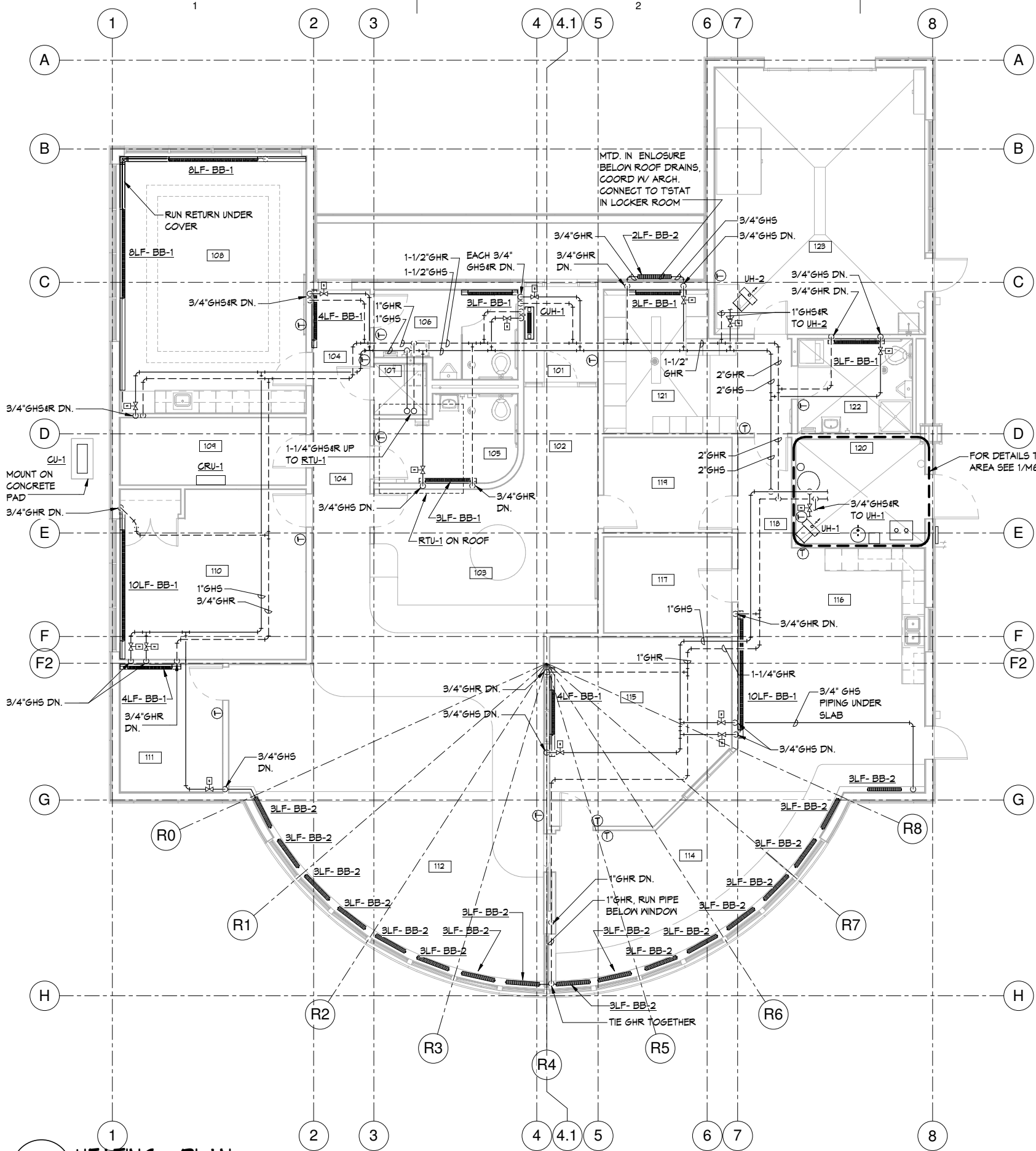
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PLUMBING - PLAN

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1 HEATING - PLAN
SCALE: 3/16" = 1'-0"



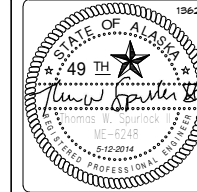
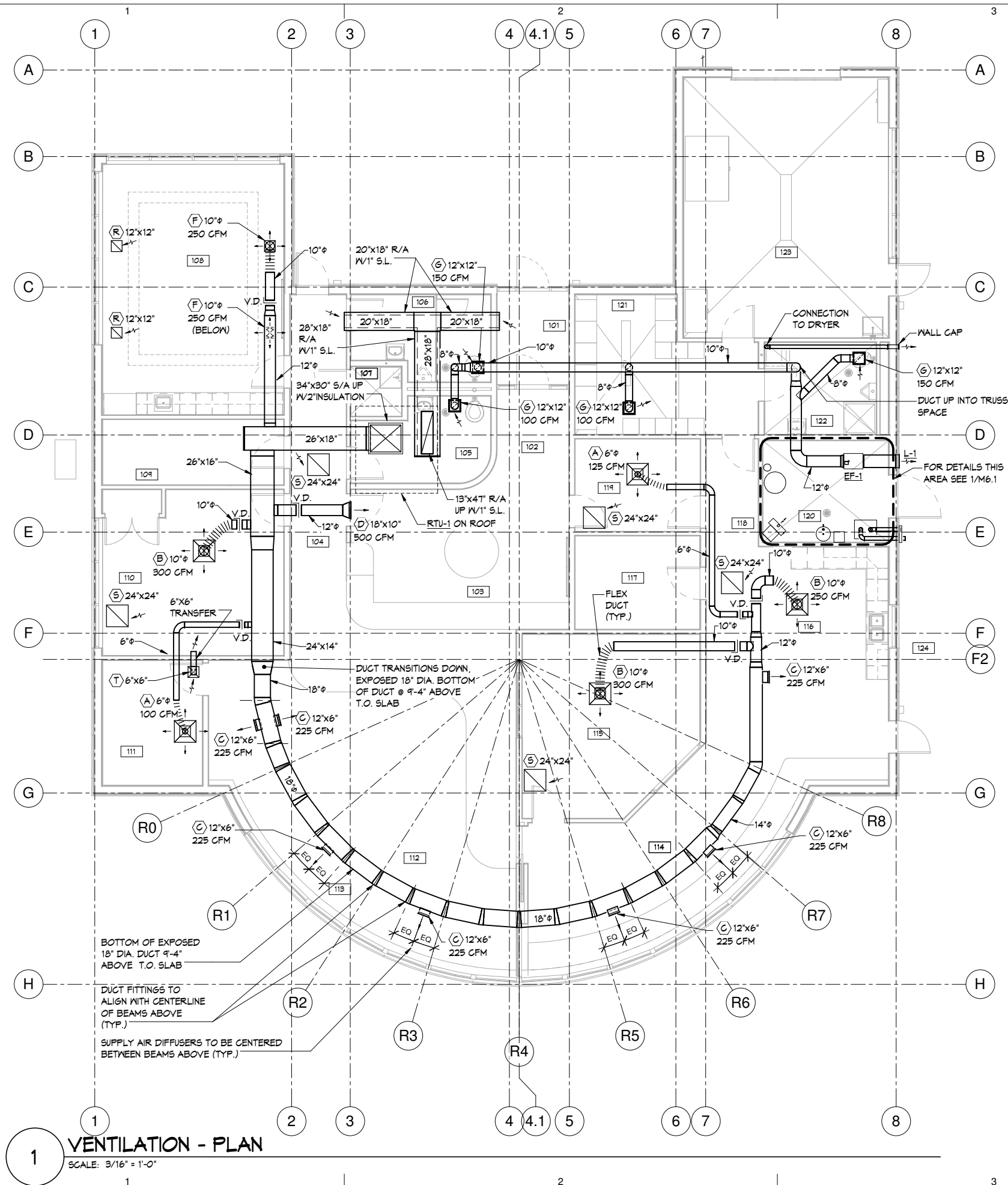
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SHEET CONTENTS
HEATING - PLAN

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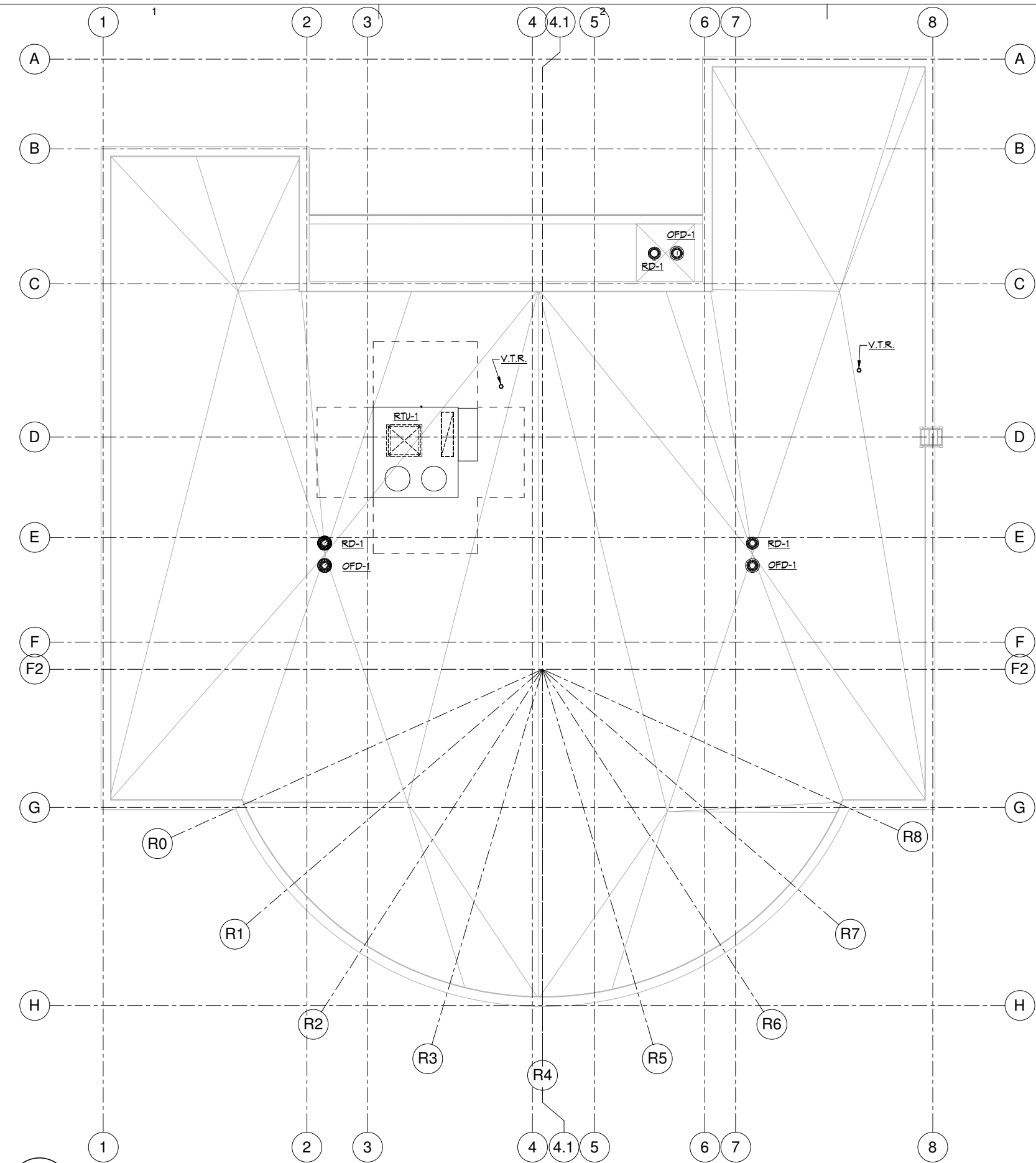
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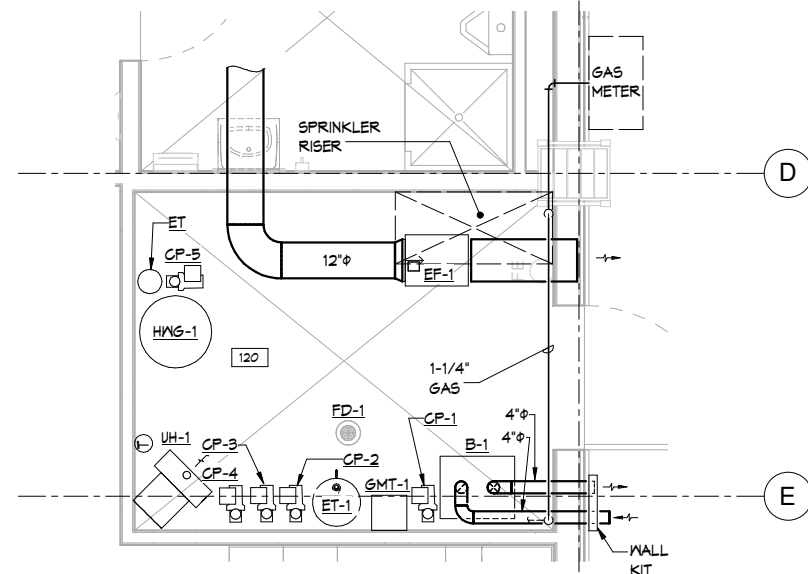
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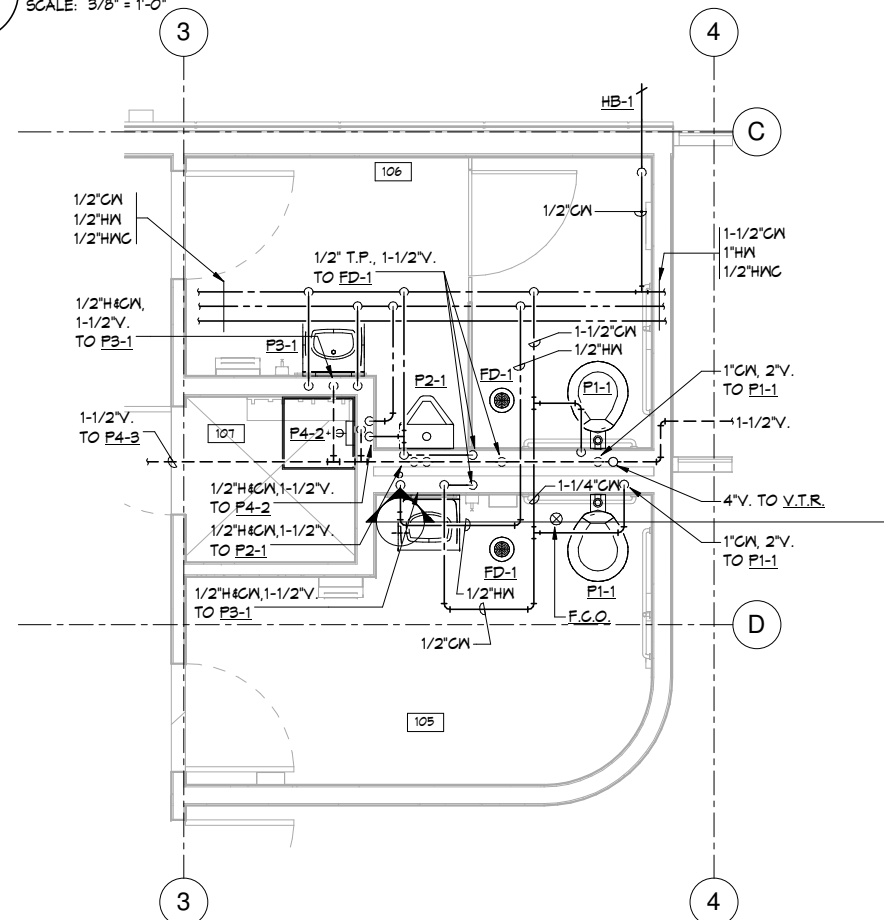
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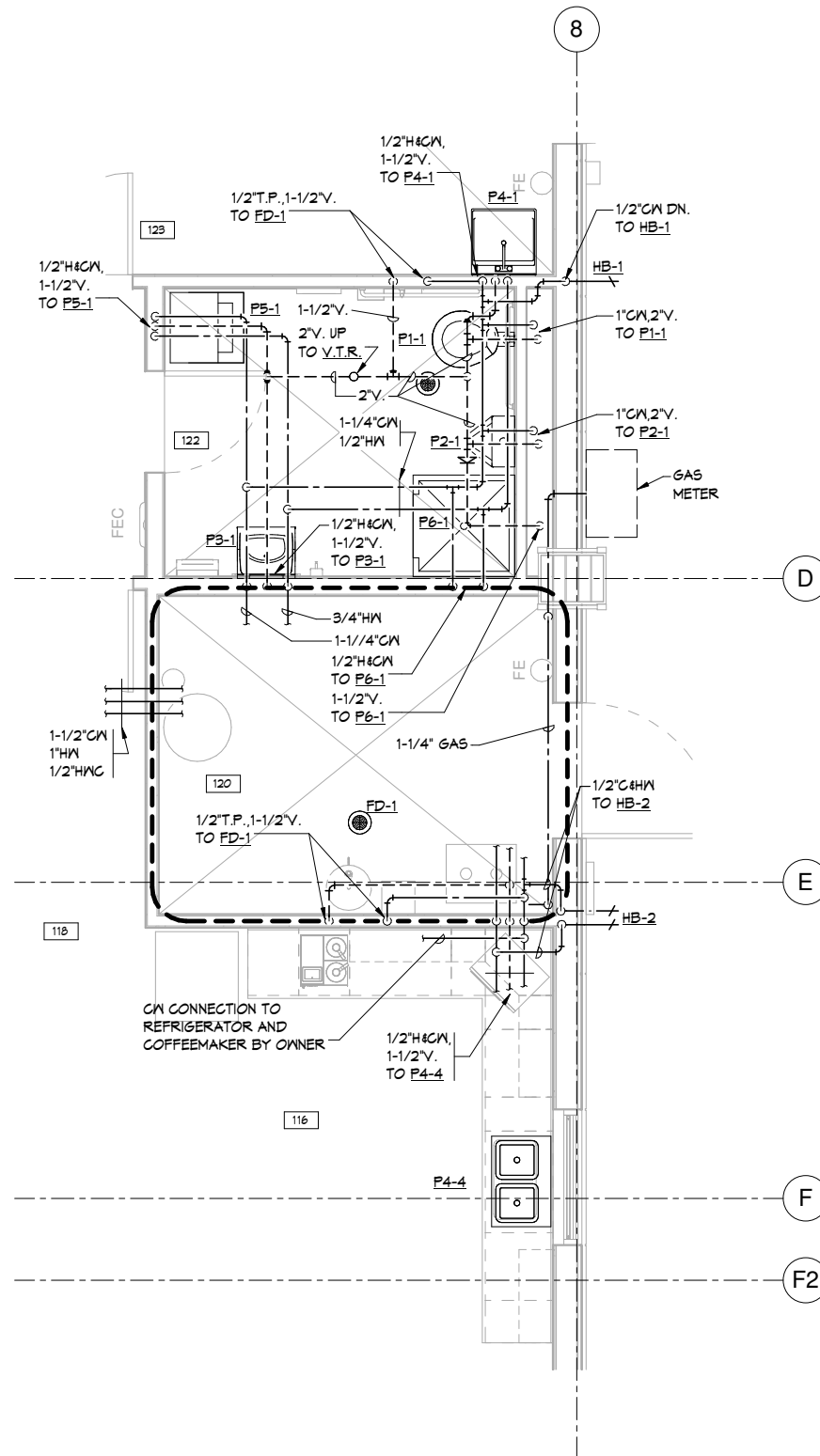
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MECHANICAL ROOF
- PLAN



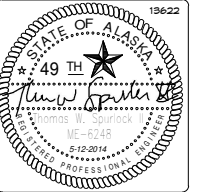
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SCALE: 3/8" = 1'-0"



2 PLUMBING - PARTIAL PLAN - TOILET ROOMS
SCALE: 3/8" = 1'-0"



3 PLUMBING - PARTIAL PLAN



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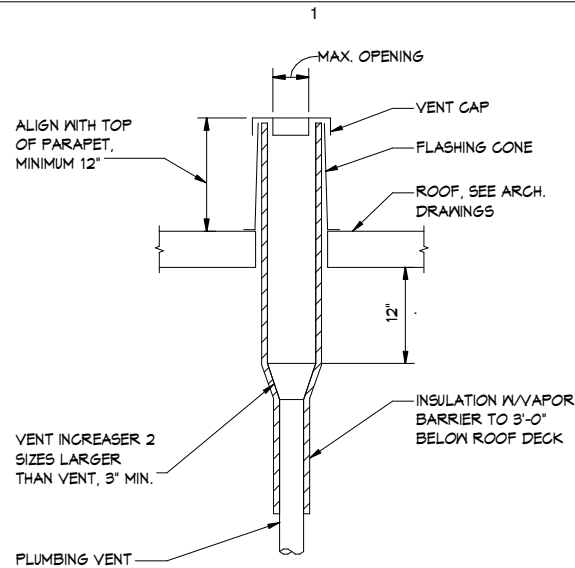
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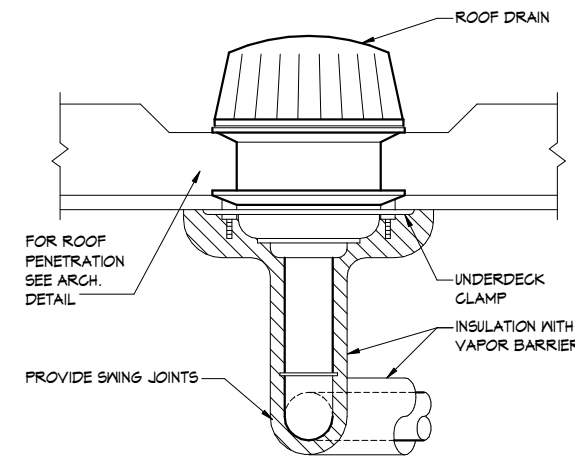
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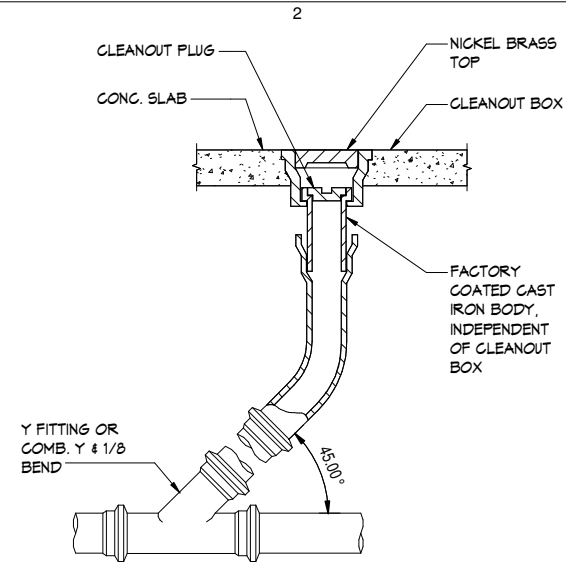
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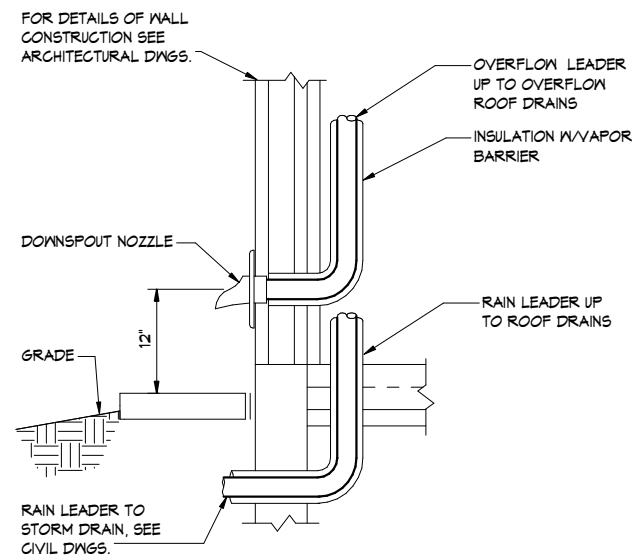
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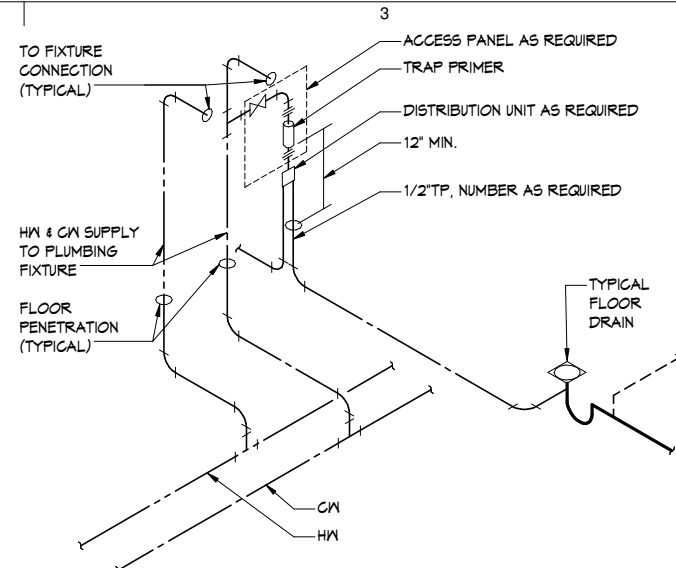
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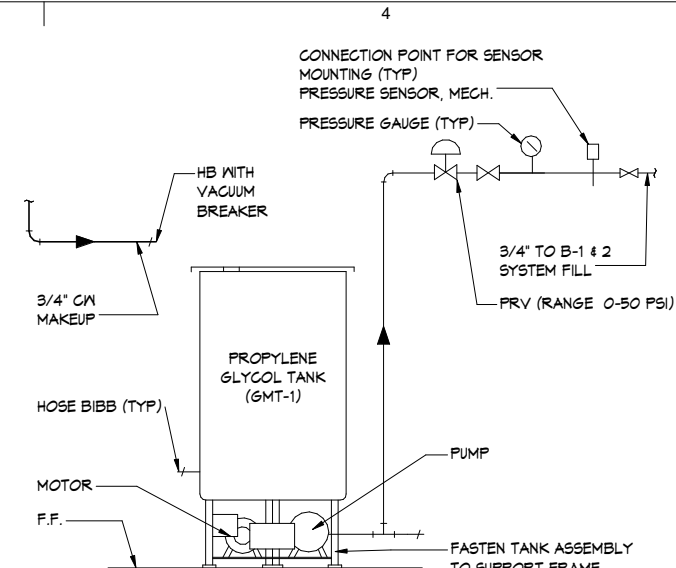
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6 WALL SCUPPER DETAIL
SCALE: 1" = 1'-0"



3 AUTOMATIC TRAP PRIMER DETAIL
SCALE: NONE



4 GLYCOL FILL SYSTEM DETAIL
SCALE: NONE



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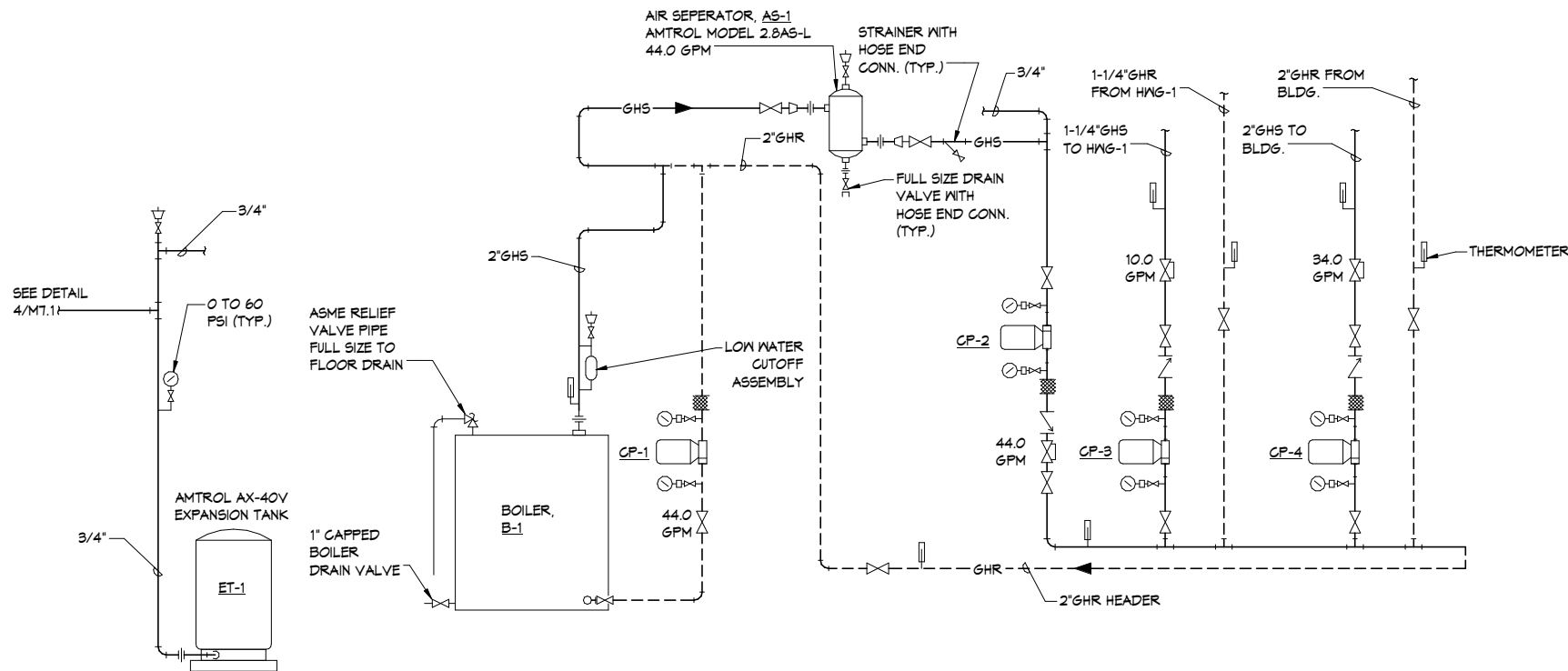
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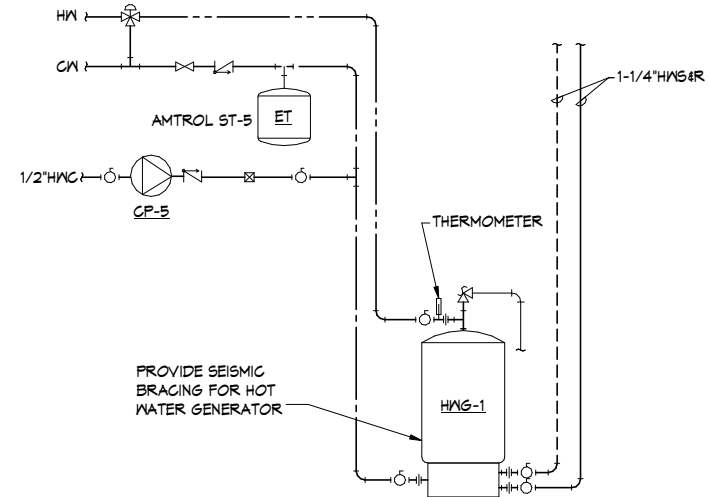
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DETAILS



1

BOILER PIPING - SCHEMATIC

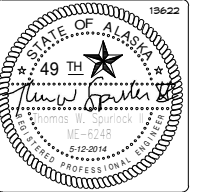
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2

HOT WATER GENERATOR PIPING - SCHEMATIC

SCALE: NONE



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SHEET NUMBER

M7.2

SHEET CONTENTS
PIPING
SCHEMATICS

ELECTRICAL LEGEND

(NOTE: THIS IS A STANDARD LEGEND AND NOT ALL SYMBOLS ARE NECESSARILY USED.)



EXTERIOR LIGHT FIXTURE, POLE MOUNTED, HEADS AS SHOWN



PHOTOCELL CONTROL



LUMINAIRE - TYPE AS NOTED ON PLAN



LUMINAIRE - WALL MOUNTED: TYPE AS NOTED ON PLAN



LUMINAIRE - EMERGENCY LIGHT



TRACK LIGHTING - TRACK LENGTH AS SCALED: TYPE AS NOTED ON PLAN



EMERGENCY LIGHTING UNIT (WALL; CEILING; REMOTE HEAD)



EXIT SIGN (CEILING; WALL); SHADE DENOTES FACE; ARROWS AS INDICATED



SWITCH - SINGLE POLE, SINGLE THROW, UON



SWITCH LEGEND

3 (THREE WAY); 4 (FOUR WAY); L (LOW VOLTAGE); D (DIMMER); K (KEYED); P (PILOT LIGHT); V (VARIABLE SPEED CONTROL); OC (OCCUPANCY SENSOR); T (INTEGRAL MOTOR OVERLOAD [WHERE FHP MOTOR REQUIRES AUTOMATIC CONTROL PROVIDE MOTOR RATED "RELAY IN BOX"])



POWER DISTRIBUTION PANELBOARD



METERING DEVICE



POWER PANELBOARD



TRANSFORMER: APPROX. PHYSICAL SIZE AS SCALED; ACTUAL RATING AS NOTED ON ONE-LINE DIAGRAMS



MOTOR CONNECTION



COMBINATION BATHROOM FAN/LIGHT: TYPE AS NOTED ON PLAN



NON-FUSED SAFETY SWITCH / DISCONNECT



FUSED SAFETY SWITCH / DISCONNECT



ENCLOSED CIRCUIT BREAKER SWITCH



MOTOR STARTER



COMBINATION MOTOR STARTER SAFETY SWITCH / DISCONNECT



PUSH BUTTON CONTROL STATION



JUNCTION BOX OR EQUIPMENT CONNECTION - FLEX OR RECEPTACLE AS REQUIRED (CEILING; WALL; FLOOR)



SIMPLEX RECEPTACLE



DUPLEX RECEPTACLE



DOUBLE DUPLEX RECEPTACLE



DUPLEX RECEPTACLE - SPLIT WIRED FOR SWITCH CONTROL OF LOWER OUTLET



DUPLEX RECEPTACLE - GFCI PROTECTED



DUPLEX RECEPTACLE - GFCI PROTECTED MOUNTED ABOVE COUNTERTOP



DUPLEX RECEPTACLE - FLOOR MOUNTED



DOUBLE DUPLEX RECEPTACLE - FLOOR MOUNTED



RECEPTACLE - PENDANT MOUNTED FROM CEILING WITH KELLUM GRIPS



RECEPTACLE - FLUSH MOUNTED IN CEILING



DRYER RECEPTACLE - 30A, 3 POLE, 4 WIRE NEMA 14-30R



ELECTRIC RANGE RECEPTACLE - 50A, 3 POLE, 4 WIRE, NEMA 14-50R



SPECIAL RECEPTACLE - COORDINATE EXACT NEMA CONFIGURATION IF NOT NOTED (SURFACE; WALL)



GROUND CONNECTION POINT



TELECOMMUNICATION OUTLET (WALL; FLOOR)



TELEPHONE VOICE OUTLET



TELEVISION OUTLET RG-6 QUAD SHIELD HOMERUN, UON



CONTROL PANEL - TYPE AS NOTED (SURFACE; RECESSED)



DENOTES AVAILABLE FAULT CURRENT

.....

LINETYPE/LINEWEIGHT DENOTING FUTURE WORK

————

LINETYPE/LINEWEIGHT DENOTING EXISTING WORK TO REMAIN

————

LINETYPE/LINEWEIGHT DENOTING NEW WORK

LINETYPE/LINEWEIGHT DENOTING DEMO WORK



SMOKE ALARM - MULTIPLE STATION 120VAC/12VDC



SMOKE AND CARBON MONOXIDE ALARM - MULTIPLE STATION 120VAC/12VDC



ALARM STROBE - MULTIPLE STATION 120VAC



DUCT SMOKE DETECTOR REMOTE MONITOR/TEST STATION



SMOKE DETECTOR - DUCT MOUNTED



SMOKE DETECTOR - PHOTO ELECTRIC



SMOKE DETECTOR - MULTI-SENSOR TECHNOLOGY



SMOKE DETECTOR - BEAM RECEIVER



SMOKE DETECTOR - BEAM TRANSMITTER



HEAT DETECTOR - RATE OF RISE



HEAT DETECTOR - FIXED TEMPERATURE AS NOTED



LINE TYPE HEAT SENSITIVE CABLE DETECTOR



FIRE ALARM CONTROLLED MAGNETIC DOOR HOLDER / RELEASE



FIRE ALARM HORN



FIRE ALARM STROBE



FIRE ALARM COMBINATION HORN/STROBE



FIRE ALARM PULL STATION



INTRUSION DETECTION DOOR CONTACT



INTRUSION DETECTION MOTION SENSOR



INTRUSION DETECTION GLASSBREAK SENSOR



INTRUSION DETECTION KEYPAD



INTRUSION DETECTION ALARM SIREN

EQUIPMENT TAG LEGEND



LUMINAIRES

LUMINAIRE TYPE (UNDERLINED)

THE NUMBER IN BRACKETS INDICATES HOW MANY TYPICAL LUMINAIRES OF THIS TYPE ARE IN THIS AREA

CIRCUIT AND SWITCHLEG

PANEL

TYPICAL LUMINAIRE



CONTROL SWITCHES

LOWER CASE LETTER DENOTES SWITCH LEG FOR CORRESPONDING LUMINAIRE CONTROL

UPPERCASE LETTER OR NUMBER DENOTES SWITCH CONFIGURATION



EQUIPMENT CONNECTIONS

EQUIPMENT ID (UNDERLINED) REFER TO EQUIPMENT CONNECTION SCHEDULE FOR REQUIREMENTS

TYPICAL EQUIPMENT (MOTOR STARTER SHOWN)

CIRCUIT NUMBER(S)

PANEL



RECEPTACLES

MOUNTING HEIGHT AFF

PANEL

CIRCUIT NUMBER(S)

NEMA CONFIGURATION FOR SPECIAL RECEPTACLES (UNDERLINED)

MOUNTING HEIGHT SCHEDULE	
EQUIPMENT	HEIGHT
PANELBOARDS (TOP)	72"
SPECIAL SYSTEM PANELS (TOP)	72"
POWER METER BASE (CENTER LINE OF SOCKET)	PER UTILITY
CONTACTORS, MOTOR STARTERS, DISCONNECT SWITCHES (TOP)	66"
RECEPTACLES IN OFFICE AREAS	18"
RECEPTACLES LOCATED IN HAZARDOUS OR S-2 OCCUPANCIES	24" MINIMUM
RECEPTACLES IN NON-FINISHED AND MECHANICAL SPACES	46"
ABOVE COUNTER DEVICES (DENOTED "AC" OR BY SYMBOL)	SEE NOTES
WALL MOUNTED SWITCHES	46"
TELECOMMUNICATION OUTLETS (WALL MOUNTED DENOTED "W")	18" (WALL MOUNTED 54")
CLOCK OUTLETS (BOTTOM)	80"
HORNS/STROBES/HORN STROBES/DOORBELL RINGER (BOTTOM)	80"
PULL STATIONS, PUSH BUTTONS, DOORBELL PUSHBUTTON	46"

ABBREVIATIONS	
(D)	DEMOLISH
(E)	EXISTING
(N)	NEW
(R)	RELOCATED
A	AMPERES
AC	ABOVE COUNTER
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPS INTERRUPTING CAPACITY
C	CONDUIT OR CELCIUS
CAT	CATEGORY
CB	CIRCUIT BREAKER
CO, C.O.	CONDUIT ONLY
CT	CURRENT TRANSFORMER
DISC	DISCONNECT
EGC	EQUIPMENT GROUNDING CONDUCTOR
ERCSP	ELEVATOR RECALL CONTROL AND SUPERVISORY PANEL
F	FARENHEIT
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FHP	FRACTIONAL HORSEPOWER
FLA	FULL LOAD AMPS
FSD	FIRE SMOKE DAMPER
FT	FEET
FU	FUSE
G, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GEC	GROUNDING ELECTRODE CONDUCTOR
GFEP	GROUND FAULT EQUIPMENT PROTECTION
HP	HORSEPOWER
ID	IDENTIFICATION
IN	INCHES
KVA	KILOVOLT-AMPERE
KW	KILOWATT
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPACITY
MDP	MAIN DISTRIBUTION PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MFS	MAXIMUM FUSE SIZE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
P	POLES
PC	PHOTO CELL
PH, Ø	PHASE
PNL	PANEL
PRI	PRIMARY
REC	RECEPTACLE
RIB	RELAY IN A BOX (MOTOR RATED)
SCCR	SHORT CIRCUIT CURRENT RATING
SE	SERVICE ENTRANCE RATED
SEC	SECONDARY
SSEBJ	SUPPLY SIDE EQUIPMENT BONDING JUMPER
SVC	SERVICE
TELECOM	TELECOMMUNICATION
TGB	TELECOMMUNICATION GROUNDING BUSBAR
TMGB	TELECOMMUNICATION MAIN GROUNDING BUSBAR
TP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLTS-AMPERES
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS OR WIRE
WG	WIRE GUARD
WP	WEATHERPROOF (NEMA 4 RATED)
XFMR	TRANSFORMER

ELECTRICAL SHEET LIST	
NUM	SHEET TITLE
E0.1	ELECTRICAL LEGEND & GENERAL REQUIREMENTS
E0.2	ELECTRICAL SCHEDULES
E1.1	ELECTRICAL SITE PLAN
E2.1	ELECTRICAL LIGHTING PLAN
E3.1	ELECTRICAL POWER & SIGNAL PLAN
E3.2	ROOF POWER & SIGNAL PLAN
E4.1	ELECTRICAL DIAGRAMS & DETAILS
E4.2	ELECTRICAL DIAGRAMS & DETAILS
E5.1	ELECTRICAL PANEL SCHEDULES
Grand total: 9	

GENERAL REQUIREMENTS

26 05 00 - COMMON WORK REQUIREMENTS FOR ELECTRICAL:

ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, STATE, MUNICIPAL, FEDERAL LAWS, AND AMENDMENTS GOVERNING THE PROJECT. ALL WORK SHALL BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED ADMINISTRATOR JOURNEYMAN ELECTRICIAN. CONTRACTOR SHALL SUBMIT REQUEST FOR SUBSTITUTION IN WRITING TO THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CONSTRUCTION PERMITS AND PAY ALL ASSOCIATED FEES.

MATERIALS AND EQUIPMENT SHALL BE NEW COMMERCIAL GRADE AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AS SUITABLE FOR THE USE INTENDED. ALL ELECTRICAL EQUIPMENT SHALL INCLUDE THE SEAL OF A NATIONALLY RECOGNIZED TESTING LABORATORY FOR THE PURPOSE FOR WHICH IT IS INSTALLED.

THE CONTRACTOR IS REQUIRED TO COORDINATE THE MINIMUM WORKING CLEARANCES REQUIRED BY THE NATIONAL ELECTRICAL CODE 110.26. THE CONTRACTOR IS REQUIRED TO COORDINATE WITH ALL SUBCONTRACTORS SO THAT ENCROACHMENTS INTO THIS RESTRICTED SPACE ARE PREVENTED.

ALL CABLING, RACEWAYS, CABLE TIES AND COMPONENTS LOCATED IN CEILING SPACES THAT ARE PLENUMS SHALL BE PLENUM RATED.

PENETRATIONS OF FIRE BARRIERS: ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED BARRIERS SHALL BE SEALED IN ACCORDANCE WITH NEC ARTICLE 300.21.

ACCESS PANELS: PROVIDE ACCESS PANELS FOR ALL LOCATIONS NECESSARY TO ACCESS ELECTRICAL EQUIPMENT AND JUNCTION BOXES. ACCESS PANELS SHALL BE FIRE RATED EQUAL TO OR EXCEEDING THE ADJACENT WALL OR CEILING CONSTRUCTION AND PAINTED TO MATCH.

SEISMIC: CONTRACTOR TO PROVIDE DEFERRED SUBMITTAL FOR SEISMIC ANCHORING DESIGN FOR ALL EQUIPMENT OVER 300 POUNDS.

26 05 19 - POWER CONDUCTORS:

ALL POWER AND CONTROL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE. ALL CONDUCTORS ROUTED IN UNHEATED SPACES OF THE BUILDING, UNDERGROUND, OR LOCATED OUTSIDE OF THE BUILDING ARE REQUIRED TO HAVE TYPE XHHW 90 DEGREE C INSULATION. ALL CONDUCTORS LOCATED IN HEATED SPACES CAN BE XHHW OR THHN 90 DEGREE C INSULATION UNLESS NOTED OTHERWISE. CONDUCTOR AMPACITY SHALL BE BASED ON TABLE 310-16 OF THE NEC. USE 60-DEGREE C. RATING COLUMN FOR CIRCUITS TERMINATING ON DEVICES RATED BELOW 100A. USE 75-DEGREE C RATING COLUMN FOR CIRCUITS TERMINATING ON DEVICES AND IN ENCLOSURES RATED 100A AND OVER. 90-DEGREE C. RATING COLUMN CAN BE USED FOR DERATING CALCULATIONS ONLY. PROVIDE UNSHARED DEDICATED NEUTRAL FOR EACH CIRCUIT.

MINIMUM SIZE CONDUCTORS FOR 15 AND 20 AMP BRANCH CIRCUITS MEASURED FROM THE PANELBOARD TO THE FURTHEST DEVICE ON THE CIRCUIT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

120 VOLT BRANCH CIRCUITS:
12 AWG UP TO 75 FEET.
10 AWG 75 FEET TO 120 FEET.
8 AWG GREATER THAN 120 FEET.

INSTALL IN ACCORDANCE WITH NEC REQUIREMENTS FOR AMBIENT TEMPERATURE DERATING, CONDUIT FILL DERATING AND BOX FILL. COLOR CODE CONDUCTORS BLACK, RED, WHITE, AND GREEN FOR 240/120V 1 PHASE 3 WIRE CIRCUITS; BLACK, RED, BLUE, WHITE, AND GREEN FOR 208Y/120V 3 PHASE 4 WIRE CIRCUITS AND BROWN, ORANGE, YELLOW, GRAY FOR ALL 480Y/277V 3 PHASE CIRCUITS. IDENTIFY GROUNDED CONDUCTORS PER NEC FOR ALL CIRCUITS.

26 05 33 - RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS:

ALL CLASS 1 CIRCUITS SHALL BE INSTALLED IN CONCEALED METALLIC RACEWAY EXCEPT WHERE SPECIFICALLY INDICATED ELSEWHERE IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS. CLASS 2 CIRCUITS MAY BE INSTALLED IN CABLE TRAYS OR CAT 5 RATED J-HOOKS SPACED NO MORE THAN 4 FT APART WHERE NO CABLE TRAY IS DENOTED. WHERE WIRING OR CABLING IS ROUTED IN NON-ACCESSIBLE LOCATION, A RACEWAY SYSTEM IS TO BE PROVIDED.

-BELOW GRADE: PVC, HDPE OR RMC (RMC MUST BE USED FOR 90 DEGREE BENDS AND STUB UPS).
-EXPOSED INTERIOR: RMC, IMC, OR EMT.
-CONCEALED INTERIOR: RMC, IMC, OR EMT. MC IS ACCEPTABLE FOR LOCAL BRANCH CIRCUITING, BUT ALL HOME RUNS SHALL BE INSTALLED IN CONDUIT.
-HAZARDOUS CLASSIFIED WIRING: RMC OR MC-HL (CONDUIT SEALS PER NEC REQUIREMENTS).
-EXPOSED TO PHYSICAL DAMAGE (INSTALLED EXPOSED BELOW 8 FT): RMC. ALSO PROVIDE RMC FOR ALL PENETRATIONS AND STUB UPS FROM CONCRETE STRUCTURES AND FLOORS. PROVIDE 10 FT MINIMUM STUB OUT FROM UNDERGROUND LIGHT POLE BASES.

MAKE CONNECTIONS TO MOTORS, TRANSFORMERS AND OTHER EQUIPMENT WITH FLEXIBLE METAL CONDUIT (FMC) OF GALVANIZED STEEL. USE FITTINGS LISTED FOR USE WITH FLEXIBLE METAL CONDUIT OF ELECTRO ZINC GALVANIZED MALLEABLE IRON OR STEEL CONSTRUCTION. USE LIQUID TIGHT FLEXIBLE CONDUIT FOR ALL FLEXIBLE EXTERIOR LOCATIONS, WET LOCATIONS AND CONNECTIONS TO PUMPS.

CONCEAL ALL ELECTRICAL RACEWAYS, BOXES, CABLING, CONDUCTORS AND THE LIKE IN WALLS, BELOW FLOORS, SLABS OR ABOVE FINISHED CEILING SPACES. ELECTRICAL EQUIPMENT AND WIRING CAN BE EXPOSED IN MECHANICAL ROOMS, TELECOMMUNICATION ROOMS OR WHERE SPECIFICALLY NOTED. DO NOT ROUTE RACEWAYS ON THE EXTERIOR SURFACE OF THE BUILDING OR THE ROOF UNLESS SPECIFICALLY NOTED OTHERWISE.

PROVIDE ALL WIRING AND EQUIPMENT IN ELEVATOR PITS, WET OR EXTERIOR LOCATIONS USING EQUIPMENT AND WIRING METHODS RATED FOR WET ENVIRONMENTS.

BOXES: PROVIDE PULL AND JUNCTION BOXES AS REQUIRED PER NEC REQUIREMENTS RATED FOR THE ENVIRONMENT INSTALLED. BRANCH CIRCUIT JUNCTION BOXES TO BE ELECTRO-GALVANIZED, 4" SQUARE BY 1 1/2" DEEP MINIMUM FOR USE IN INTERIOR AREAS. PROVIDE 4 11/16" SQUARE BY 2 1/8" DEEP OUTLET BOXES FOR ALL VOICE AND DATA OUTLETS. DO NOT INSTALL BOXES BACK-TO-BACK IN WALLS. PROVIDE SEPARATION TO MINIMIZE SOUND TRANSFER. PROVIDE FIRE RATED PADS TO COVER EACH BOX IN FIRE RATED WALLS WHERE NECESSARY TO MAINTAIN FIRE WALL RATING.

26 24 16 - PANELBOARDS AND SWITCHBOARDS:

BRANCH CIRCUIT: PROVIDE AND INSTALL NEMA PB1; BOLT-ON CIRCUIT BREAKER TYPE. FS W-P-115; TYPE I, CLASS 1 PANELBOARD OF THE RATING AND CONFIGURATION AS SHOWN ON THE SINGLE LINE DIAGRAM AND PANEL SCHEDULES. PROVIDE TYPED CIRCUIT DIRECTORY SHOWING CIRCUITING ARRANGEMENT.

DISTRIBUTION: PROVIDE AND INSTALL I-LINE TYPE; CIRCUIT BREAKER TYPE. CLASS 1 PANELBOARD OR SWITCHBOARD OF THE RATING AND CONFIGURATION AS SHOWN ON THE SINGLE LINE DIAGRAM AND PANEL SCHEDULES.

COORDINATE AND PROVIDE THE EQUIPMENT WITH THE SHORT CIRCUIT CURRENT RATING (SCCR) FOR THE AVAILABLE FAULT CURRENT AT THE POINT OF THE SYSTEM WHERE INSTALLED.

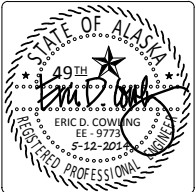
26 27 13 - ELECTRICAL SERVICES:

THE ELECTRICAL CONTRACTOR SHALL CONTACT EACH SERVING UTILITY CO. AND VERIFY EXACT SERVICE REQUIREMENTS FOR POWER, TELEPHONE AND CABLE TV. THE CONTRACTOR SHALL COORDINATE AND PROVIDE ALL REQUIREMENTS OF EACH SERVING UTILITY AND ALL EQUIPMENT SHALL CONFORM TO THE SERVING UTILITY STANDARDS AND REQUIREMENTS.

26 51 00 - LIGHTING EQUIPMENT:

PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT AS SHOWN ON THE DRAWINGS AND DESCRIBED IN THE LIGHTING FIXTURE SCHEDULE. PROVIDE FLUORESCENT FIXTURES WITH RAPID START, CLASS P, CONSTANT WATTAGE, ELECTRONIC BALLASTS. BALLASTS SHALL BE SOUND RATED A. EXTERIOR FIXTURES SHALL BE RATED FOR OPERATION AT LEAST -20 DEG F.

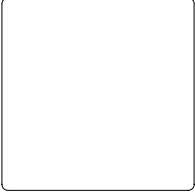
CONNECT ALL EMERGENCY LIGHTING UNITS AND MODULES TO THE LOCAL AREA LIGHTING CIRCUITS AHEAD OF ANY SWITCHES OR RELAYS. LOCATE REMOTE TEST SWITCHES AND INDICATOR LIGHTS AS NECESSARY FOR TEST SWITCHES ON EMERGENCY MODULES.



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SHEET CONTENTS
ELECTRICAL
LEGEND & GENERAL
REQUIREMENTS

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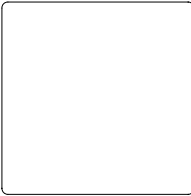
LUMINAIRE SCHEDULE								
QTY	TYPE	DESCRIPTION	WATTS	LAMPS	MOUNTING	MANUFACTURER	MODEL	NOTES
10	CF1	4FT FLUORESCENT STRIP	34	(1) 28W T5	SOFFIT SURFACE	LITHONIA	Z-1-28-MVOLT-GE810PS	
4	CF1H	4FT HIGH OUTPUT FLUORESCENT STRIP	60	(1) 54W T5HO	SOFFIT SURFACE	LITHONIA	Z-1-54T5HO-MVOLT-GE810PS	
4	CF2H	8FT HIGH OUTPUT FLUORESCENT STRIP	120	(2) 54W T5HO	CEILING/SURFACE	LITHONIA	TZ-1-54T5HO-MVOLT-GE810PS	
11	DL4	4" LED DOWNLIGHT W/ OPEN REFLECTOR	21	LED	CEILING RECESSED	GOTHAM	EVO-35/10-4AR-MVOLT	
16	DL4D	4" LED DOWNLIGHT W/ OPEN REFLECTOR & 0-10V DIMMING DRIVER	21	LED	CEILING RECESSED	GOTHAM	EVO-35/10-4AR-MVOLT	
7	E1	LED EMERGENCY LIGHTING UNIT W/ TWO ADJUSTABLE HEADS	1	LED	WALL +7'-0" OR CEILING	LITHONIA	ELM2-LED	
4	ERL	LED EMERGENCY REMOTE HEAD W/ EXTERIOR RATING	2	LED	WALL ABOVE DOOR	LITHONIA	ELA-QWP-L039	
13	GR2	2' X 4' VOLUMETRIC TROFFER	60	(2) 28W T5	CEILING GRID	LITHONIA	2RT5-28T5-MVOLT-GE89S	
8	GR2D	2' X 4' VOLUMETRIC TROFFER W/ STEP DIMMING BALLAST	60	(2) 28W T5	CEILING GRID	LITHONIA	2RT5-28T5-MVOLT-GE89SS	
1	LB2	LOW PROFILE ARCHITECTURAL WRAP W/ PRISMATIC LENS	58	(2) 28W T5	CEILING/SURFACE	LITHONIA	LB-2-28T5-MVOLT-GE810PS	
4	LB3	LOW PROFILE ARCHITECTURAL WRAP W/ PRISMATIC LENS	88	(3) 28W T5	CEILING/SURFACE	LITHONIA	LB-3-28T5-MVOLT-GE810PS	
43	SF2	ARCHITECTURAL SUSPENDED DIRECT/INDIRECT FLUORESCENT	70	(2) 28W T5	CEILING SUSPENDED	PINNACLE	EX3B-A-0-T5-1-1-4-120	1,3
1	T1	LOW VOLTAGE MONORAIL TRACK LIGHTING W/ ADJUSTABLE SPOT HEADS	150	(1) 50W MR16 MAX PER HEAD	CEILING SURFACE	TECH LIGHTING	700MOA-96-S TRACK & (3) EACH #700MO-SPT6-06-S HEADS	2
2	WF1	2FT ARCHITECTURAL FLUORESCENT WALL MOUNT VANITY LIGHT	30	(1) 24W T5HO	WALL ABOVE MIRROR	EUREKA	3530-23-F.T5.24-120-SC-WH	
7	WF2	4FT ARCHITECTURAL FLUORESCENT WALL MOUNT DIRECT/INDIRECT	58	(2) 28W T5	WALL +8'-6"	PINNACLE	EX3B-A-0-T5-1-1-4-WA-120	1
5	X	LED EXIT SIGN W/ BATTERY BACKUP	1	GREEN LED	WALL OR CEILING	LITHONIA	LQM-S-W-3-G-120/277-ELN	
2	XE	LED COMBO EXIT SIGN & EMERGENCY LIGHTING UNIT W/ BATTERY BACKUP	3	GREEN LED	WALL OR CEILING	LITHONIA	LHQM-LED-G	
4	XER	LED COMBO EXIT SIGN & EMERGENCY LIGHTING UNIT W/ BATTERY BACKUP & CAPACITY TO POWER REMOTE HEAD	3	GREEN LED	WALL OR CEILING	LITHONIA	LHQM-LED-G-HO	
4	ZDL6	6" LED DOWNLIGHT W/ WET LABEL	20	LED	CEILING RECESSED	KIRLIN	LRR-06018-41K	
5	ZW1	WALL MOUNTED LED AREA LIGHT W/ FORWARD THROW DISTRIBUTION & CUTOFF OPTICS	14	LED	WALL +8'-6"	LITHONIA	DSXW1-LED-10C-350-40K-TFTM-MVOLT	1
3	ZW2	WALL MOUNTED LED AREA LIGHT W/ TYPE II DISTRIBUTION & CUTOFF OPTICS	14	LED	WALL +8'-6"	LITHONIA	DSXW1-LED-10C-350-40K-T2S-MVOLT	1
LUMINAIRE SCHEDULE NOTES								
REF	NOTE							
'KEY'	'(x)' DENOTES A GENERAL, NON-REFERENCED, NOTE. NUMBERED NOTES ARE REFERENCED FROM THE LUMINAIRE SCHEDULE.							
(A)	QUANTITIES/COUNTS SHOWN IN SCHEDULES ARE FOR CONVENIENCE ONLY. CONTRACTOR TO VERIFY ALL QUANTITIES/COUNTS FROM PLANS.							
(B)	CATALOG NUMBERS ARE FOR GENERAL REFERENCE AND ARE NOT INCLUSIVE OF ALL OPTIONS OR REQUIREMENTS DENOTED ON PLANS AND SPECIFICATIONS.							
(C)	REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND PROVIDE MOUNTING HARDWARE/FLANGES ETC FOR ALL LUMINAIRES FOR CEILING TYPES SHOWN.							
(D)	ALL FLUORESCENT BALLASTS TO BE ELECTRONIC.							
(E)	ALL FLUORESCENT LAMPS TO BE 3500K.							
(F)	PROVIDE ROUGH SERVICE LAMPS FOR ALL INCANDESCENT LUMINAIRES.							
(G)	LUMINAIRES NOTED ON THE FLOOR PLANS AS 'NL' (NIGHTLIGHT) SHALL BE CONNECTED TO UNSWITCHED POWER CIRCUIT NOTED ON DRAWINGS.							
1	COORDINATE LUMINAIRE FINISH/COLOR WITH ARCHITECTURAL.							
2	PROVIDE CANOPY, ELECTRIC TRANSFORMER, CONNECTORS, AND MOUNTING HARDWARE AS NECESSARY FOR A COMPLETE INSTALLATION.							
3	PROVIDE WITH FIELD CUTABLE AIRCRAFT CABLE MOUNTS. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL.							

MECHANICAL EQUIPMENT CONNECTION SCHEDULE											
QTY	EQUIP ID	LOCATION OR FUNCTION	KVA	HP	FLA	MCA	MFS	V	PH	FEEDER	NOTES
1	AC-1	AIR COMPRESSOR	3.536	3.7	15			208	1	1/2"C, (2)10 AWG, (1)10 AWG EGC	
1	B-1	BOILER	1.500					120	1	1/2"C, (2)12 AWG, (1)12 AWG EGC	
1	CP-1	BOILER CIRCULATION PUMP	1.260	3/4				208	3	1/2"C, (3)12 AWG, (1)12 AWG EGC	
1	CP-2	HEADER CIRCULATION PUMP	1.260	3/4				208	3	1/2"C, (3)12 AWG, (1)12 AWG EGC	
1	CP-3	HWG-1 CIRCULATION PUMP	0.528	1/6				120	1	1/2"C, (2)12 AWG, (1)12 AWG EGC	3
1	CP-4	HEATING CIRCULATION PUMP	1.260	3/4				208	3	1/2"C, (3)12 AWG, (1)12 AWG EGC	
1	CP-5	HOT WATER RE-CIRCULATION PUMP	0.192	1/25				120	1	1/2"C, (2)12 AWG, (1)12 AWG EGC	3
1	CRU-1	COMPUTER ROOM AC EVAPORATOR UNIT	0.208			1		208	1	1/2"C, (2)12 AWG, (1)12 AWG EGC	2
1	CU-1	COMPUTER ROOM AC CONDENSING UNIT	2.496			12	15	208	1	1/2"C, (2)12 AWG, (1)12 AWG EGC	2
1	CUH-1	CABINET UNIT HEATER	0.120	FHP				120	1	1/2"C, (2)12 AWG, (1)12 AWG EGC	
1	EF-1	EXHAUST FAN	0.528	1/6				120	1	1/2"C, (2)12 AWG, (1)12 AWG EGC	3
1	GMT-1	GLYCOL MAKE-UP TANK	0.360	FHP				120	1	1/2"C, (2)12 AWG, (1)12 AWG EGC	1
1	RTU-1	ROOF TOP UNIT	13.080			36.3	45	208	3	SEE ONE-LINE DIAGRAM	
1	UH-1	UNIT HEATER	0.064	FHP				120	1	1/2"C, (2)12 AWG, (1)12 AWG EGC	
1	UH-2	UNIT HEATER	0.192	1/20				120	1	1/2"C, (2)12 AWG, (1)12 AWG EGC	
MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES											
REF	NOTE										
'KEY'	'(x)' DENOTES A GENERAL, NON-REFERENCED, NOTE. NUMBERED NOTES ARE REFERENCED FROM THE MECHANICAL EQUIPMENT CONNECTION SCHEDULE.										
(A)	QUANTITIES/COUNTS SHOWN IN SCHEDULES ARE FOR CONVENIENCE ONLY. CONTRACTOR TO VERIFY ALL QUANTITIES/COUNTS FROM PLANS.										
(B)	REFER TO FLOOR PLAN DRAWINGS FOR EQUIPMENT TYPE REQUIREMENTS, LOCATIONS AND QUANTITIES.										
(C)	COORDINATE ALL CONNECTION REQUIREMENTS WITH MECHANICAL AND ACTUAL EQUIPMENT SUPPLIED PRIOR TO ROUGH-IN.										
1	PLUG AND CORD CONNECTION.										
2	PROVIDE INTERCONNECTION WIRING BETWEEN CU-1 AND CRU-1 AS NECESSARY. COORDINATE REQUIREMENTS WITH MECHANICAL.										
3	PROVIDE HP RATED RELAY IN-A-BOX (RIB) AS NECESSARY FOR MOTOR CONTROL. COORDINATE ALL CONTROL REQUIREMENTS WITH MECHANICAL.										

1234



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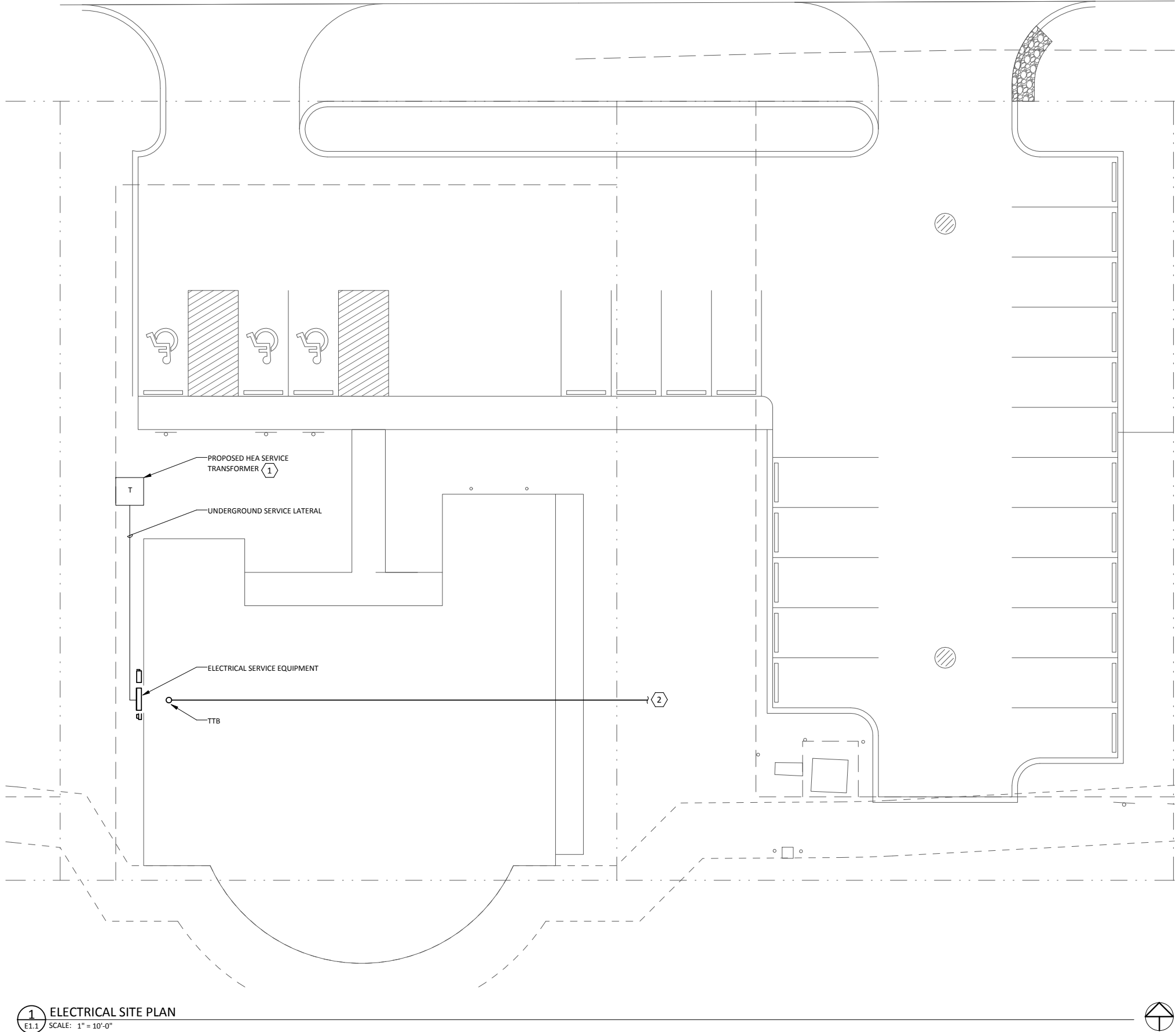
SHEET NUMBER
E0.2
SHEET CONTENTS
ELECTRICAL
SCHEDULES

ISSUED FOR CONSTRUCTION

PLOTTED 1/2 SCALE

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1 ELECTRICAL SITE PLAN
E1.1 SCALE: 1" = 10'-0"

SHEET NOTES

- 1 CONTRACTOR TO COORDINATE EXACT POWER SERVICE TRANSFORMER LOCATION WITH UTILITY.
- 2 PROVIDE CONDUIT(S) FROM TELECOM TERMINATIONS BACKBOARD (TTB) STUBBED OUT TO PROPERTY LINE FOR FOR TELECOM SERVICE. CONTRACTOR TO COORDINATE EXACT CONDUIT SIZE, QUANTITY, ROUTING, AND REQUIREMENTS WITH UTILITY.



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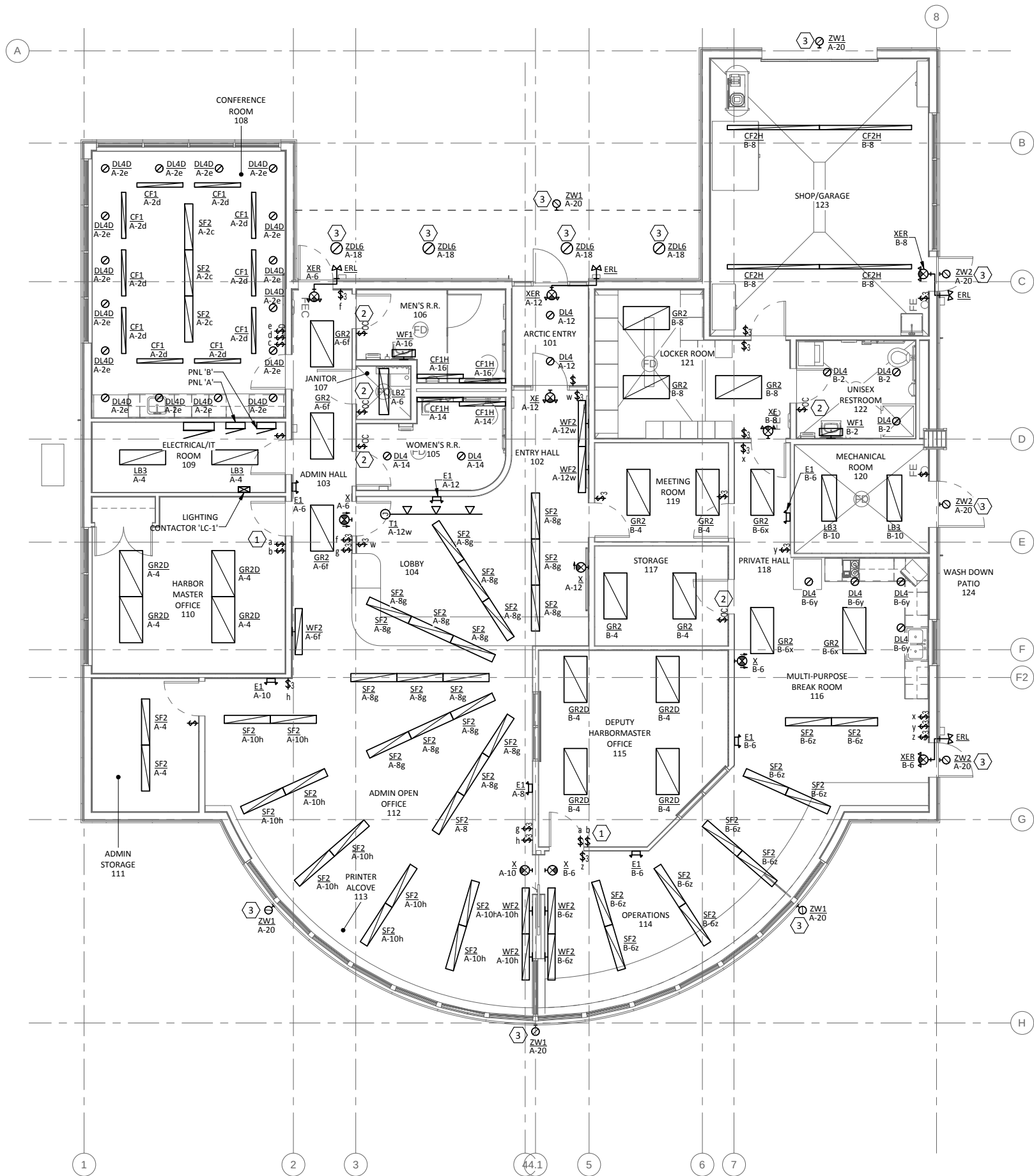
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E1.1

SHEET CONTENTS
ELECTRICAL SITE
PLAN



SHEET NOTES

- 1 PROVIDE MULTI-LEVEL SWITCHING. SWITCHES 'a' AND 'b' CONTROL STEP DIMMING BALLAST IN EACH TYPE 'GR2D' LUMINAIRE FOR 0-50-100% LIGHTING CONTROL.
- 2 PROVIDE WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR.
- 3 LUMINAIRE CONTROLLED BY PHOTOCELL THRU LIGHTING CONTACTOR 'LC-1'. SEE 4/E4.1 FOR DETAIL.

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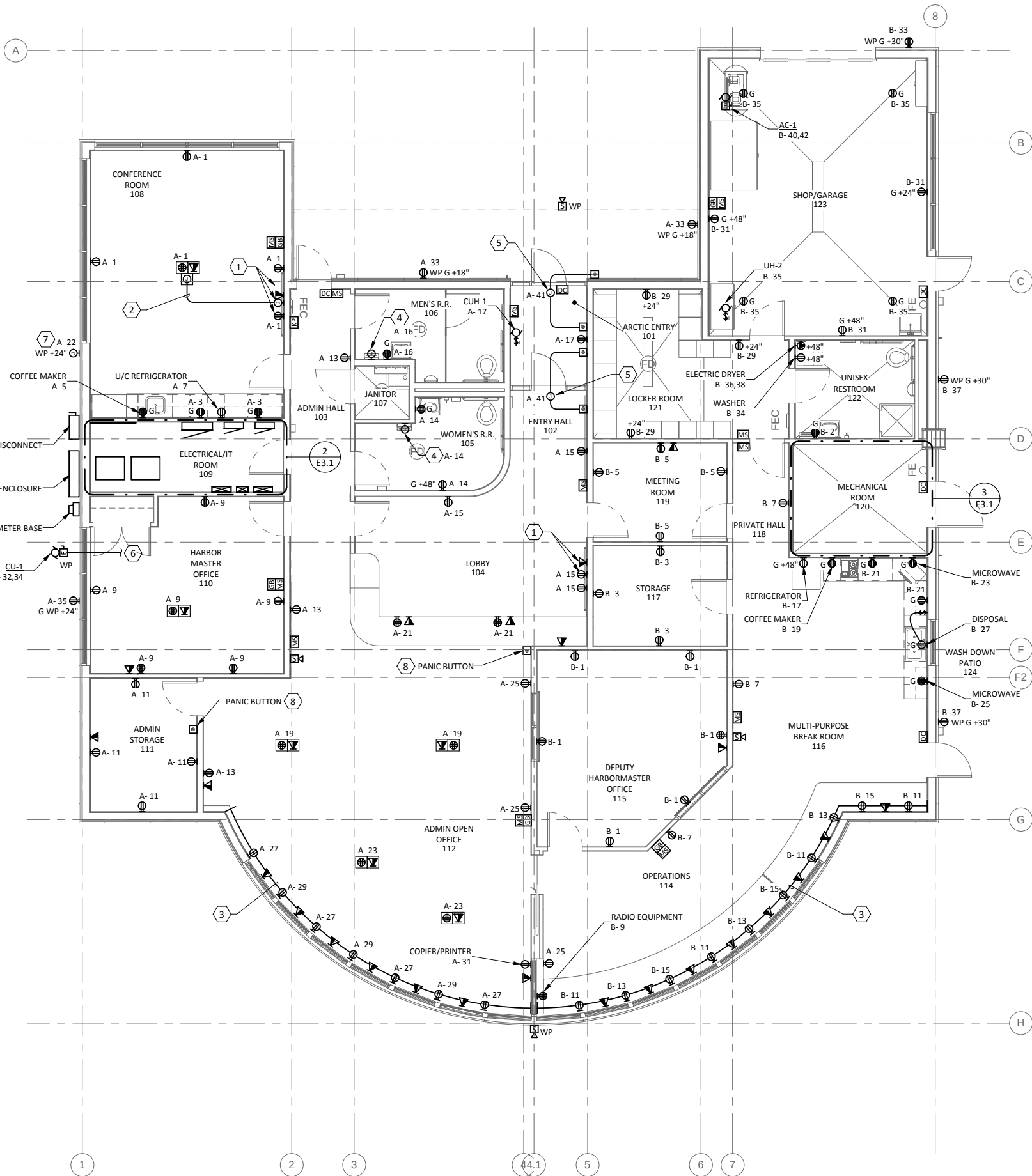
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NO. DATE

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E2.1

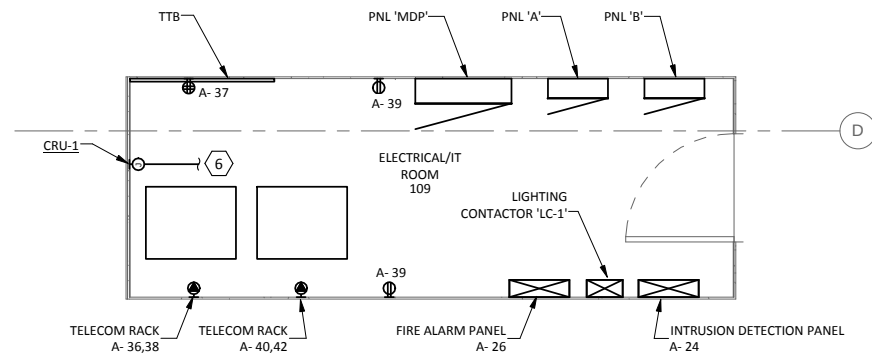
SHEET CONTENTS
ELECTRICAL
LIGHTING PLAN1 LIGHTING PLAN
E2.1 SCALE: 3/16" = 1'-0"



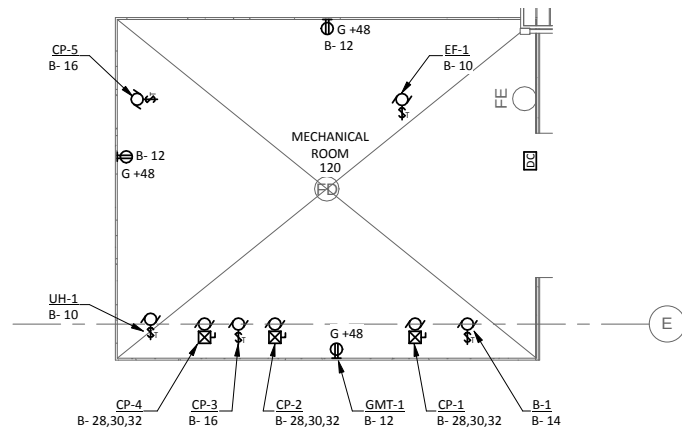
1 POWER AND SIGNAL PLAN
E3.1 SCALE: 3/16" = 1'-0"

SHEET NOTES

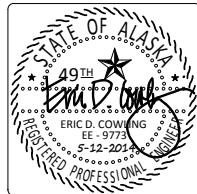
1. PROVIDE POWER AND SIGNAL CONNECTIONS FOR WALL MOUNTED TELEVISION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
2. PROVIDE 1.25" CONDUIT FROM FLOOR JUNCTION BOX TO WALL BOX AT TV LOCATION FOR ROUTING A/V CABLES.
3. PROVIDE WIREMOLD 4000 SURFACE MOUNT MULTI-CHANNEL RACEWAY FOR RECEPTACLES AND TELECOM OUTLETS.
4. PROVIDE POWER CONNECTION FOR AUTOMATED PAPER TOWEL DISPENSER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER/ARCHITECTURAL PRIOR TO ROUGH-IN.
5. PROVIDE ROUGH-IN CONNECTIONS AS NECESSARY FOR FUTURE HANDICAP DOOR OPERATORS AND PUSHBUTTON CONTROLS. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECTURAL/OWNER PRIOR TO ROUGH-IN.
6. PROVIDE INTERCONNECTION WIRING AS NECESSARY FROM CU-1 TO CRU-1. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL.
7. PROVIDE JUNCTION BOX WITH CIRCUIT FOR FUTURE SITE ILLUMINATED SIGN. CONTROL VIA PHOTOCELL THRU LIGHTING CONTACTOR 'LC-1'. SEE 4/E4.1 FOR DETAIL.
8. COORDINATE EXACT LOCATION OF INTRUSION DETECTION SYSTEM PANIC BUTTON WITH OWNER PRIOR TO ROUGH-IN.
8. CONTRACTOR TO PROVIDE TELECOM ROUGH-IN ONLY. TELECOM HORIZONTAL CABLING, TERMINATIONS, WALL PLATES, EQUIPMENT RACKS, AND RACK EQUIPMENT TO BE PROVIDED BY OTHERS UNDER SEPARATE CONTRACT WITH OWNER. ROUGH-IN TO INCLUDE TELECOM OUTLET WALL BOXES, CONDUITS TO CEILING SPACE, J-HOOKS, CABLE TRAYS, AND UTILITY CABLE DEMARCATION EQUIPMENT.
9. THE INTRUSION DETECTION SYSTEM IS A DESIGN/BUILD COMPONENT OF THE PROJECT. ALL DEVICES SHOWN ON PLANS ARE FOR REFERENCE ONLY AND ARE MEANT TO SHOW SYSTEM FUNCTIONALITY ONLY. SECURITY SYSTEM CONTRACTOR TO DETERMINE EXACT DEVICE PLACEMENT AND REQUIREMENTS BASED ON SYSTEM PROVIDED, DEVICE COVERAGE, AND MANUFACTURER RECOMMENDATIONS. SEE 2/E4.2 FOR SYSTEM DETAIL.
10. THE FIRE ALARM SYSTEM IS A DESIGN/BUILD COMPONENT OF THE PROJECT. CONTRACTOR TO PROVIDE SYSTEM SHOP DRAWINGS TO STATE FIRE MARSHAL FOR APPROVAL. SEE 1/E4.2 FOR SYSTEM DETAIL.



2 ENLARGED SCALE ELECTRICAL/IT ROOM
E3.1 SCALE: 3/8" = 1'-0"



3 ENLARGED SCALE MECHANICAL ROOM
E3.1 SCALE: 3/8" = 1'-0"

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E3.1

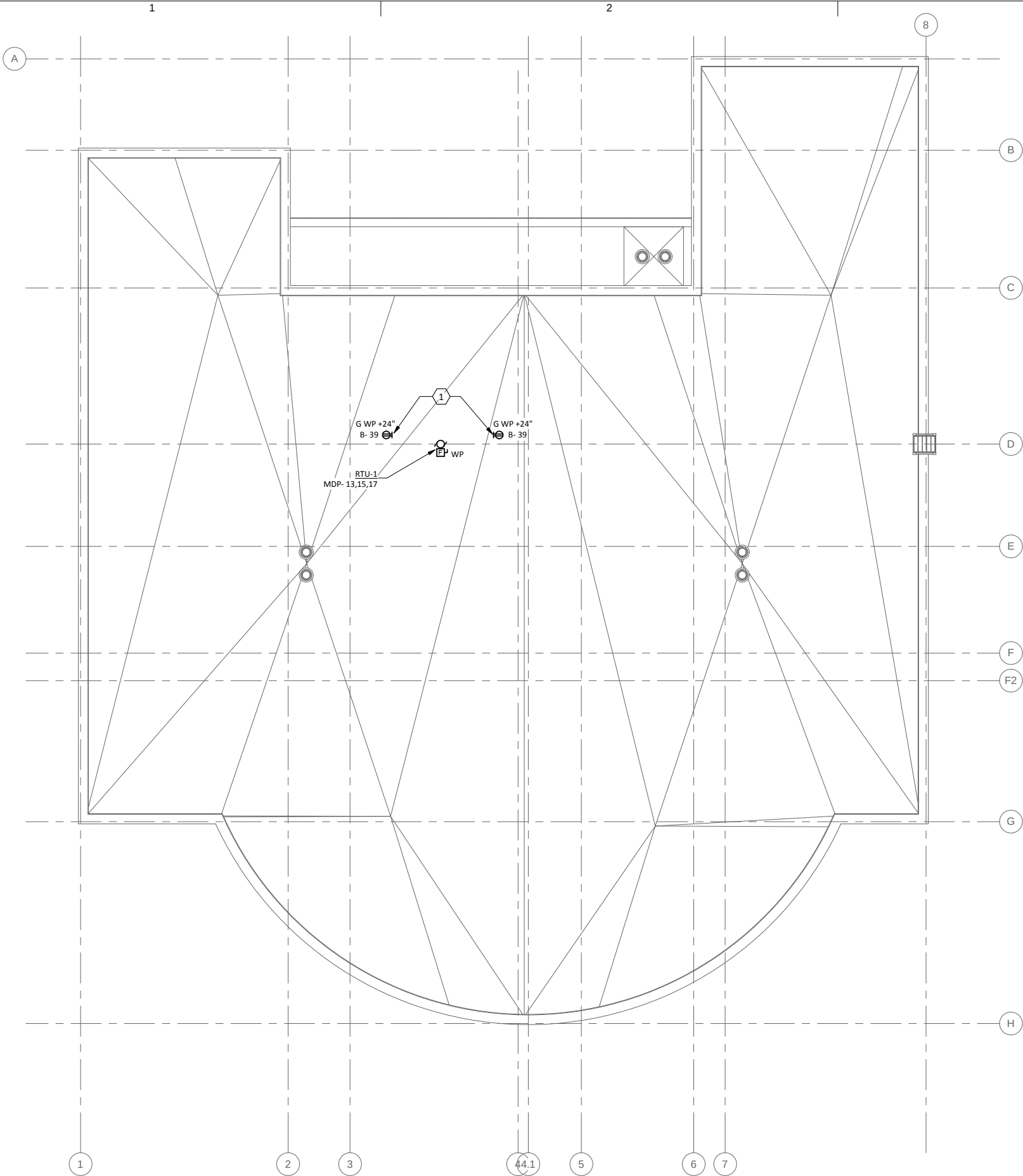
SHEET CONTENTS
ELECTRICAL
POWER & SIGNAL
PLAN

ISSUED FOR CONSTRUCTION

PLOTTED 1/2 SCALE

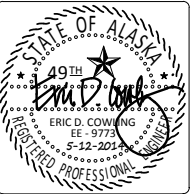
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SHEET NOTES

- 1 MOUNT RECEPTACLES TO EITHER SIDE OF ROOF TOP UNIT. COORDINATE EXACT LOCATION WITH ROOF TOP UNIT ACCESS PANELS.



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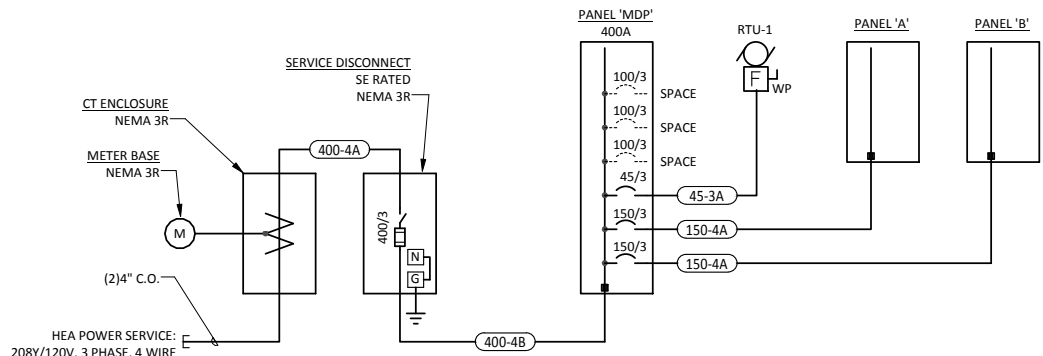
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E3.2

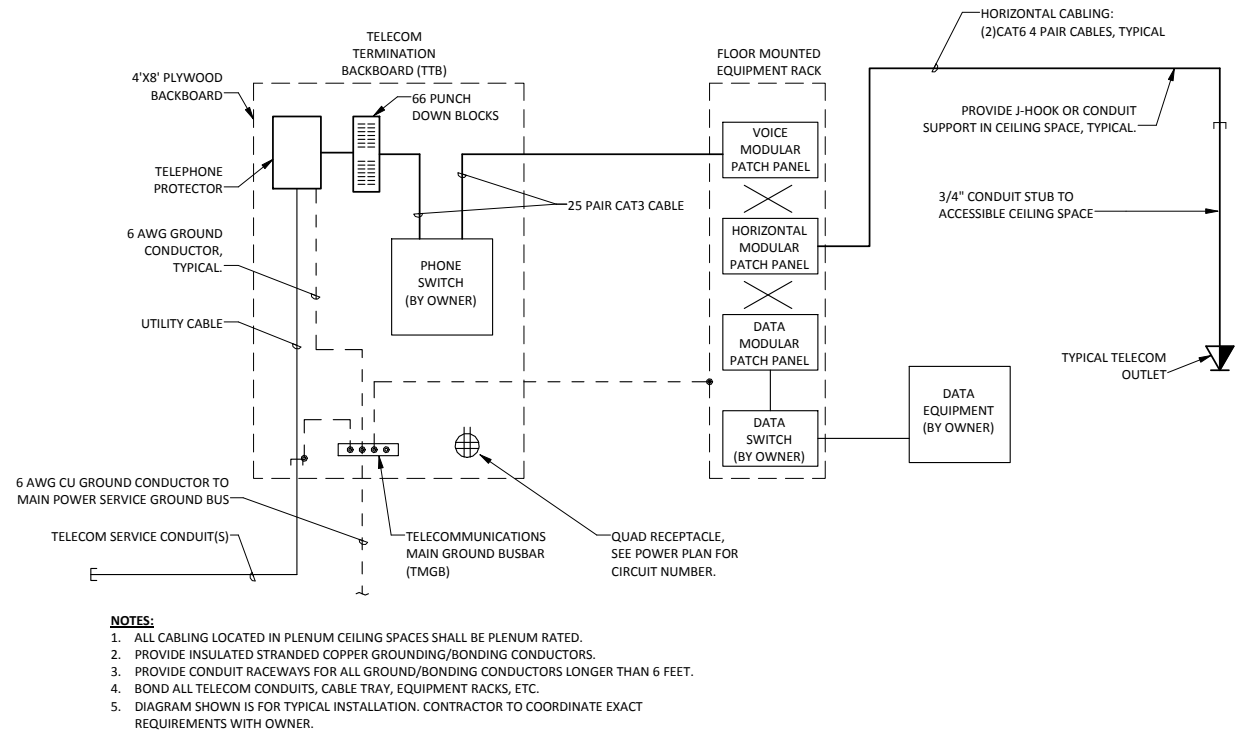
SHEET CONTENTS
ROOF POWER &
SIGNAL PLAN

1 ROOF POWER AND SIGNAL PLAN
E3.2 SCALE: 3/16" = 1'-0"

FEEDER SCHEDULE			
TAG	COPPER	OPTIONAL ALUMINUM	NOTES
45-3A	1"C, (3)6 AWG, (1)10 AWG EGC	N/A	
150-4A	2"C, (4)1/0 AWG, (1)6 AWG EGC	2"C, (4)3/0 AWG, (1)4 AWG EGC	
400-4A	2EA: 2"C, (4)3/0 AWG, (1)1/0 AWG SSEBJ	2EA: 2.5"C, (4)250 KCMIL, (1)3/0 AWG SSEBJ	
400-4B	2EA: 2"C, (4)3/0 AWG, (1)2 AWG EGC	2EA: 2.5"C, (4)250 KCMIL, (1)1 AWG EGC	
STANDARD NOTES			
A) ALUMINUM CONDUCTORS MAY BE USED IN LIEU OF COPPER IF ACCEPTABLE TO OWNER.			
REFERENCED NOTES			
1) NOT USED.			

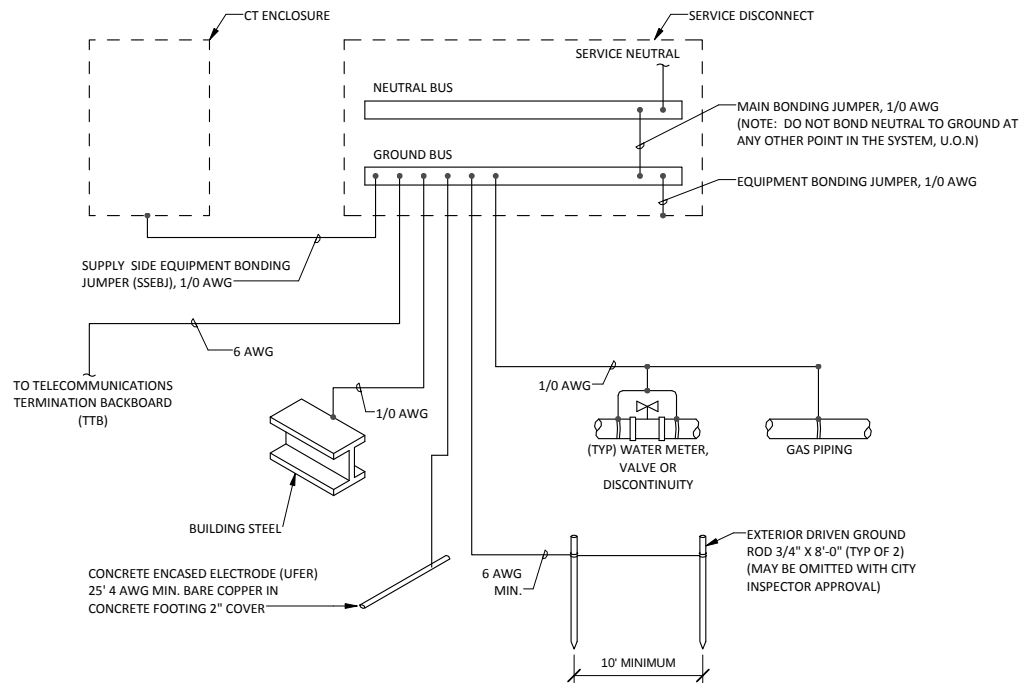


1 POWER ONE-LINE DIAGRAM
E4.1 SCALE: NONE

**NOTES:**

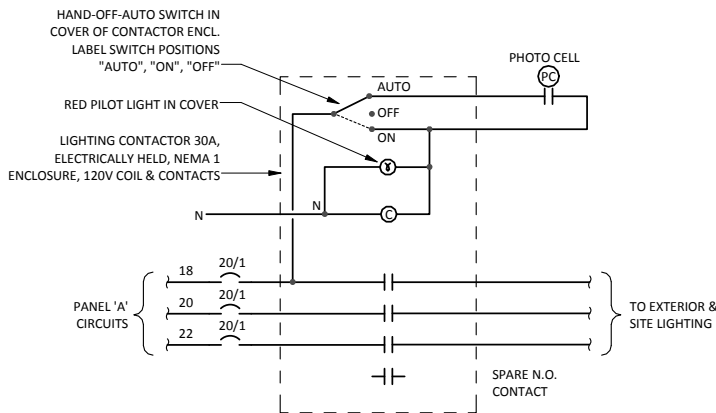
1. ALL CABLING LOCATED IN PLENUM CEILING SPACES SHALL BE PLENUM RATED.
2. PROVIDE INSULATED STRANDED COPPER GROUNDING/BONDING CONDUCTORS.
3. PROVIDE CONDUIT RACEWAYS FOR ALL GROUND/BONDING CONDUCTORS LONGER THAN 6 FEET.
4. BOND ALL TELECOM CONDUITS, CABLE TRAY, EQUIPMENT RACKS, ETC.
5. DIAGRAM SHOWN IS FOR TYPICAL INSTALLATION. CONTRACTOR TO COORDINATE EXACT REQUIREMENTS WITH OWNER.

3 TYPICAL TELECOM ONE-LINE DIAGRAM
E4.1 SCALE: NONE

**DETAIL NOTES:**

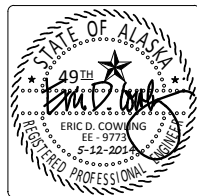
1. ALL CONDUCTOR SIZES SHOWN ARE COPPER.
2. BOND ALL PIPING AND BUILDING DISCONTINUITIES TO PROVIDE ELECTRICALLY CONTINUOUS SYSTEM. PROVIDE BOND JUMPER EQUAL TO GROUNDING ELECTRODE CONDUCTOR FOR THAT SYSTEM.
3. PROVIDE RACEWAY FOR ALL CONDUCTORS. RACEWAY TO BE METALLIC IN PLENUM AIR SPACES. WHERE METALLIC RACEWAY IS USED, BOND EACH END TO CONDUCTOR.

2 GROUNDING SYSTEM ONE-LINE DIAGRAM
E4.1 SCALE: NONE

**DETAIL NOTES:**

1. CONTACTOR & CONTROLS SHOWN WITH LIGHTING DE-ENERGIZED OR "OFF".
2. MOUNT PHOTOCELL ON NORTH SIDE OF BUILDING BELOW ROOF LINE.

4 EXTERIOR LIGHTING CONTACTOR 'LC-1' DIAGRAM
E4.1 SCALE: NONE

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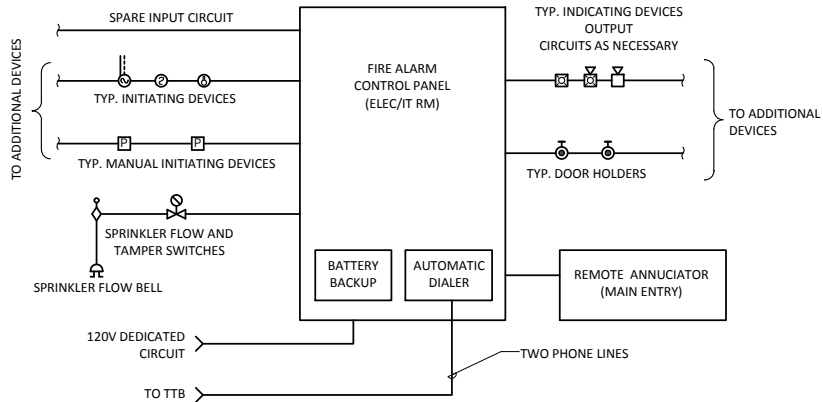
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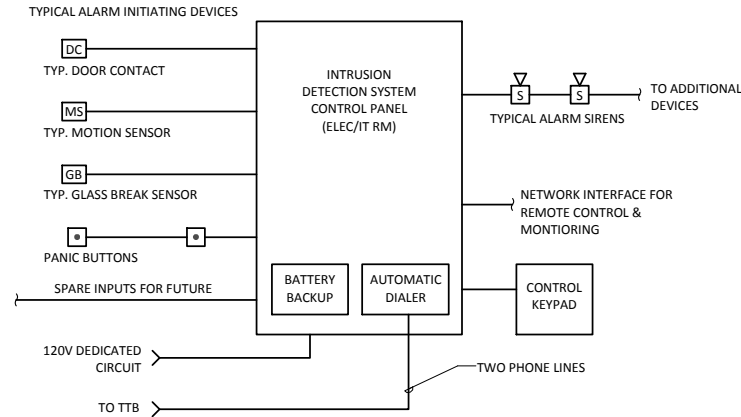
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E4.1SHEET CONTENTS
ELECTRICAL
DIAGRAMS &
DETAILS

**NOTES:**

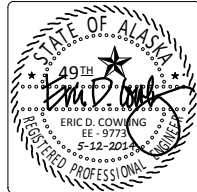
1. THE FIRE ALARM SYSTEM IS A DESIGN/BUILD COMPONENT OF THIS PROJECT. PROVIDE SHOP DRAWINGS OF SYSTEM DESIGN TO FIRE MARSHAL CERTIFIED BY NICET LEVEL 3 REGISTERED DESIGNER. SEE SPECIFICATIONS FOR MORE DETAIL.
2. INTERLOCK AIR HANDLING UNITS >2000 CFM WITH DUCT SMOKE DETECTORS TO SHUT DOWN THE UNIT UPON DETECTION OF SMOKE.
3. ALLOW 25% SPARE CAPACITY IN EACH INPUT AND OUTPUT DEVICE CIRCUIT.
4. PROVIDE ADDRESSABLE RELAYS AS NECESSARY TO CLOSE SMOKE FIRE DAMPERS UPON SYSTEM ALARM.
5. PROVIDE 100% FUNCTIONAL TEST UPON COMPLETION OF THE SYSTEM INSTALLATION PER NFPA REQUIREMENTS.
6. PROVIDE REMOTE TEXT ANNUNCIATOR AT MAIN ENTRY.
7. PROVIDE TWO PHONE LINES.

1 TYPICAL FIRE ALARM ONE-LINE DIAGRAM
E4.2 SCALE: NONE

**NOTES:**

1. THE INTRUSION DETECTION SYSTEM IS A DESIGN/BUILD COMPONENT OF THIS PROJECT. CONTRACTOR TO PROVIDE SYSTEM WITH FUNCTIONALITY AND DEVICES NOTED. SEE SPECIFICATIONS FOR MORE DETAIL.
2. PROVIDE DOOR CONTACTS, MOTION SENSORS, AND GLASS BREAK DETECTORS FOR AUTOMATIC INTRUSION DETECTION.
3. ALL DEVICES SHALL BE HARD WIRED. PROVIDE DEDICATED WIRING FOR EACH SENSOR DEVICE.
4. PROVIDE PANIC BUTTONS AT OWNER REQUESTED LOCATIONS. PANIC BUTTONS SHALL MANUALLY INITIATE AN ALARM WHEN ACTIVATED BY BUILDING PERSONNEL.
5. PROVIDE ALARM SIRENS INSIDE BUILDING AND AT BUILDING EXTERIOR.
6. PROVIDE A CONTROL KEYPAD AT OWNER REQUESTED LOCATION FOR ARMING/DISARMING SYSTEM.
7. PROVIDE SYSTEM PANEL WITH 7 HOUR MINIMUM BATTERY BACKUP.
8. PROVIDE WITH AUTOMATIC DIALER TO CALL MONITORING PERSONNEL IN THE EVENT OF ALARM. PROVIDE TWO PHONE LINES FOR DIALER.
9. PROVIDE SYSTEM WITH CAPABILITY FOR NETWORK INTERFACE AND REMOTE CONTROL AND MONITORING.
10. PROVIDE 100% FUNCTIONAL TEST UPON COMPLETION OF THE SYSTEM.
11. PROVIDE SPARE ZONE INPUTS FOR FUTURE GROWTH.

2 TYPICAL INTRUSION DETECTION SYSTEM ONE-LINE DIAGRAM
E4.2 SCALE: NONE



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E4.2
SHEET CONTENTS
ELECTRICAL
DIAGRAMS &
DETAILS

PANEL "MDP" SCHEDULE

PANEL "MDP" SCHEDULE										
VOLTAGE: 208Y/120V, 3PH, 4W BUS: 400 A / OPD: 400 A MAIN: MLO					LOCATION: ELECTRICAL/IT ROOM 109 ENCLOSURE: NEMA 1 MOUNTING: SURFACE					
CKT	LOAD DESCRIPTION	AMP	P	A	B	C	P	AMP	LOAD DESCRIPTION	CKT
1	PANEL 'A'	150	3	11.88	0.00		3	100	-SPACE-	2
3	--	--	--		9.83	0.00	--	--	--	4
5	--	--	--			10.84	0.00	--	--	6
7	PANEL 'B'	150	3	12.27	0.00		3	100	-SPACE-	8
9	--	--	--		12.19	0.00	--	--	--	10
11	--	--	--			12.95	0.00	--	--	12
13	MTR RTU-1	45	3	4.36	0.00		3	100	-SPACE-	14
15	--	--	--		4.36	0.00	--	--	--	16
17	--	--	--			4.36	0.00	--	--	18
19	- SPACE -	--	--	0.00	0.00		3	100	- SPACE -	20
21	- SPACE -	--	--		0.00	0.00	--	--	--	22
23	- SPACE -	--	--			0.00	0.00	--	--	24
25	- SPACE -	--	--	0.00	0.00		--	--	- SPACE -	26
27	- SPACE -	--	--		0.00	0.00	--	--	- SPACE -	28
29	- SPACE -	--	--			0.00	0.00	--	- SPACE -	30
31	- SPACE -	--	--	0.00	0.00		--	--	- SPACE -	32
33	- SPACE -	--	--		0.00	0.00	--	--	- SPACE -	34
35	- SPACE -	--	--			0.00	0.00	--	- SPACE -	36
37	- SPACE -	--	--	0.00	0.00		--	--	- SPACE -	38
39	- SPACE -	--	--		0.00	0.00	--	--	- SPACE -	40
41	- SPACE -	--	--			0.00	0.00	--	- SPACE -	42
TOTAL KVA/PHASE:				28.5	26.4	28.1				
TOTAL AMPS/PHASE:				239.8	219.9	236.8				
SUMMARY BY LOAD TYPE										
LOAD CLASSIFICATION		CONNECTED		NEC DEMAND		TOTAL NEC		PANEL TOTALS		
MTR		26.880 kVA		112.17%		30.150 kVA				
REC		18.540 kVA		76.97%		14.270 kVA				
LTG		8.821 kVA		125.00%		11.026 kVA				
CON		8.000 kVA		125.00%		10.000 kVA				
NCNT		20.800 kVA		100.00%		20.800 kVA		CONNECTED KVA: 83.041 kVA		
								NEC DEMAND KVA: 86.246 kVA		
								CONNECTED AMPS: 230 A		
								NEC DEMAND AMPS: 239 A		
NOTES:										

PANEL "A" SCHEDULE

PANEL "A" SCHEDULE												
VOLTAGE: 208Y/120V, 3PH, 4W BUS: 225 A / OPD: 150 A MAIN: MLO						LOCATION: ELECTRICAL/IT ROOM 109 ENCLOSURE: NEMA 1 MOUNTING: SURFACE						
CKT	LOAD DESCRIPTION	AMP	P	A	B	C	P	AMP	LOAD DESCRIPTION	CKT		
1	REC CONFERENCE ROOM 108	20	1	1.08	0.90			1	20	LTG ROOM 108	2	
3	REC CONFERENCE ROOM 108	20	1		0.36	0.59		1	20	LTG ROOM 110, 109, 111	4	
5	NCNT COFFEE MAKER 108	20	1				1.50	0.32	1	20	LTG ROOM 103, 107	6
7	NCNT U/C REFRIGERATOR 108	20	1	0.60	1.26			1	20	LTG ROOM 112, 104	8	
9	REC HARBOR MASTER OFFICE 110	20	1		1.26	0.83		1	20	LTG ADMIN OPEN OFFICE 112	10	
11	REC ADMIN STRG/SAFE ROOM 111	20	1			0.72	0.66	1	20	LTG ROOM 101, 102, 104	12	
13	REC ROOM 103, 112	20	1	0.54	0.77			1	20	LTG & REC WOMEN'S R.R. 105	14	
15	REC ROOM 102, 104	20	1		0.72	0.58		1	20	LTG & REC MEN'S R.R. 106	16	
17	REC ARCTIC ENTRY 101, MTR CUH-1	20	1				0.30	0.08	1	20	LTG EXTERIOR [NOTE 1]	18
19	REC ADMIN OPEN OFFICE 112	20	1	0.72	0.11			1	20	LTG EXTERIOR [NOTE 1]	20	
21	REC ADMIN OPEN OFFICE 112	20	1		0.36	1.20		1	20	LTG FUTURE SITE SIGN [NOTE 1]	22	
23	REC ADMIN OPEN OFFICE 112	20	1				0.72	1.00	1	20	NCNT INTRUSION PANEL 109 [NOTE 2]	24
25	REC ADMIN OPEN OFFICE 112	20	1	0.54	1.00			1	20	NCNT FIRE ALARM PANEL 109 [NOTE 2]	26	
27	REC ADMIN OPEN OFFICE 112	20	1		0.72	0.00		1	20	SPARE	28	
29	REC ADMIN OPEN OFFICE 112	20	1				1.86	0.00	1	20	SPARE	30
31	NCNT COPIER 113	20	1	1.50	1.25			2	15	MTR CU-1	32	
33	REC EXTERIOR	20	1		0.36	1.25		--	--		34	
35	REC EXTERIOR	20	1				0.18	1.25	2	30	CONT TELECOM RACK 109	36
37	REC TTB 109	20	1	0.36	1.25			--	--		38	
39	REC IT ROOM 109	20	1		0.36	1.25		2	30	CONT TELECOM RACK 109	40	
41	NCNT HC DOOR OPERATOR 101, 102	20	1				1.00	1.25	--	--	42	
TOTAL KVA/PHASE:				11.9		9.8		10.8				
TOTAL AMPS/PHASE:				100.3		82.0		91.6				
SUMMARY BY LOAD TYPE												
LOAD CLASSIFICATION		CONNECTED		NEC DEMAND		TOTAL NEC		PANEL TOTALS				
MTR		2.616 kVA		123.85%		3.240 kVA						
REC		10.080 kVA		99.60%		10.040 kVA						
LTG		6.256 kVA		125.00%		7.820 kVA						
CONT		5.000 kVA		125.00%		6.250 kVA						
NCNT		8.600 kVA		100.00%		8.600 kVA						
								CONNECTED KVA: 32.552 kVA				
								NEC DEMAND KVA: 35.950 kVA				
								CONNECTED AMPS: 90 A				
								NEC DEMAND AMPS: 100 A				
NOTES:												
1. CONTROL VIA LIGHTING CONTACTOR 'LC-1'.												
2. PROVIDE HANDLE LOCK-ON DEVICE.												

PANEL "B" SCHEDULE

PANEL "B" SCHEDULE											
VOLTAGE: 208Y/120V, 3PH, 4W BUS: 225 A / OPD: 150 A MAIN: MLO						LOCATION: ELECTRICAL/IT ROOM 109 ENCLOSURE: NEMA 1 MOUNTING: SURFACE					
CKT	LOAD DESCRIPTION	AMP	P	A	B	C	P	AMP	LOAD DESCRIPTION	CKT	
1	REC DEPUTY OFFICE 115	20	1	1.08	0.27			1	20	LTG & REC UNISEX RESTROOM 122	2
3	REC STORAGE 117	20	1		0.54	0.48		1	20	LTG Room 119, 117, 115	4
5	REC MEETING ROOM 119	20	1			0.72	1.11	1	20	LTG Room 118, 114, 116	6
7	REC ROOM 116, 118, 114	20	1	0.54	0.68			1	20	LTG Room 121, 123	8
9	CONT RADIO EQUIPMENT 114	20	1		1.50	0.80		1	20	LTG MECH RM 120, MTR UH-2, EF-1	10
11	REC OPERATIONS 114	20	1			0.72	0.72	1	20	REC MECH RM 120, MTR GMT-1	12
13	REC OPERATIONS 114	20	1	0.54	1.50			1	20	MTR B-1	14
15	REC OPERATIONS 114	20	1		0.54	0.72		1	20	MTR CP-3,CP-5	16
17	NCNT REFRIGERATOR 116	20	1			1.20	0.00	1	20	SPARE	18
19	NCNT COFFEE MAKER 116	20	1	1.50	0.00			1	20	SPARE	20
21	REC BREAK ROOM 116	20	1		0.36	0.00		1	20	SPARE	22
23	NCNT MICROWAVE 116	20	1			1.50	0.00	1	20	SPARE	24
25	NCNT MICROWAVE 116	20	1	1.50	0.00			1	20	SPARE	26
27	MTR DISPOSAL 116	20	1		0.86	1.26		3	20	MTR CP-1, CP-2, CP-4	28
29	REC LOCKER ROOM 121	20	1			0.54	1.26	--	--	--	30
31	REC SHOP/GARAGE 123	20	1	0.54	1.26			--	--	--	32
33	CONT HEADBOLT HEATER	20	1		1.50	1.50		1	20	NCNT WASHER 122	34
35	REC SHOP/GARAGE 123, MTR UH-2	20	1			0.91	2.50	2	30	NCNT DRYER 122	36
37	REC EXTERIOR	20	1	0.36	2.50			--	--	--	38
39	REC ROOF	20	1		0.36	1.77		2	30	MTR AC-1	40
41	SPARE	20	1			0.00	1.77	--	--	--	42
TOTAL KVA/PHASE:				12.3	12.2	12.9					
TOTAL AMPS/PHASE:				102.3	101.6	108.0					
SUMMARY BY LOAD TYPE											
LOAD CLASSIFICATION		CONNECTED		NEC DEMAND		TOTAL NEC		PANEL TOTALS			
MTR		11.184 kVA		107.90%		12.068 kVA					
REC		8.460 kVA		100.00%		8.460 kVA					
LTG		2.565 kVA		125.00%		3.206 kVA					
CONT		3.000 kVA		125.00%		3.750 kVA					
NCNT		12.200 kVA		100.00%		12.200 kVA					
								CONNECTED KVA: 37.409 kVA			
								NEC DEMAND KVA: 39.684 kVA			
								CONNECTED AMPS: 104 A			
								NEC DEMAND AMPS: 110 A			
NOTES:											

