

July 21, 2017

# Issued for Const. Rev. 1

## MacKay-Lyons Sweetapple Architects Limited

2188 Gottingen Street  
Halifax, Nova Scotia Canada B3K 3B4  
ph: (902) 429-1867 fax: (902) 429-6276

## Dynamic Structures Structural Engineers

1887 N 1120 W  
Provo, Utah, United States 84604  
ph: (801) 356-1140

## Salmon Electrical Contractors Electrical Engineers

1778 West 1180 South  
Woods Cross, Utah, United States 84087  
ph: (801) 292-3444

## Mountain Resort Builders LLC Construction Management

3625 S. Honeycut Rd.  
Salt Lake City, Utah, United States 84106  
ph: (801) 699-4571 ph: (801) 259 9447

## Mechanical Systems and Service Inc. Mechanical Engineers

1055 South 700 West  
Salt Lake City, Utah, United States 84104  
ph: (801) 255-9333 fax: (801) 924-8583

## Langvardt Design Group Landscape

328 200 South  
Salt Lake City, Utah, United States 84101  
ph: (801) 583-1295

## Talisman Civil Engineers

5217 S State St #200  
Murray, Utah, United States 84107  
ph: (801) 743-1300

### CIVIL

C1.00	Civil Title Sheet
C1.01	General Notes, Key Notes and Legend
C1.02	Overall Key Map
C2.00	Site and Utility Plan - West
C2.01	Site and Utility Plan - East
C2.02	Sanitary Sewer Plan and Profile
C3.00	Grading and Drainage Plan - West
C3.01	Grading and Drainage Plan - East
C4.00	Erosion Control Plan - Overall
C6.00	Details
C6.01	Booster Pump Details
C6.02	Booster Pump Details
C6.03	Sewer Ejector Details
C6.04	Details
C6.05	Details
C6.06	Guardrail Details

### ARCHITECTURAL

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A100	Site Plan
A101	Code Review, Fire Separation Plan & Height Restriction Chart
A102	Room Finish Schedules
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A201	Reflected Ceiling Plans
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A301	Exterior Elevations
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A401	Building Sections
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A510	Section Details
A511	Section Details
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A600	Millwork
A601	Millwork
A602	Millwork
A603	Millwork Details
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A900	Window/Door Schedule

### STRUCTURAL

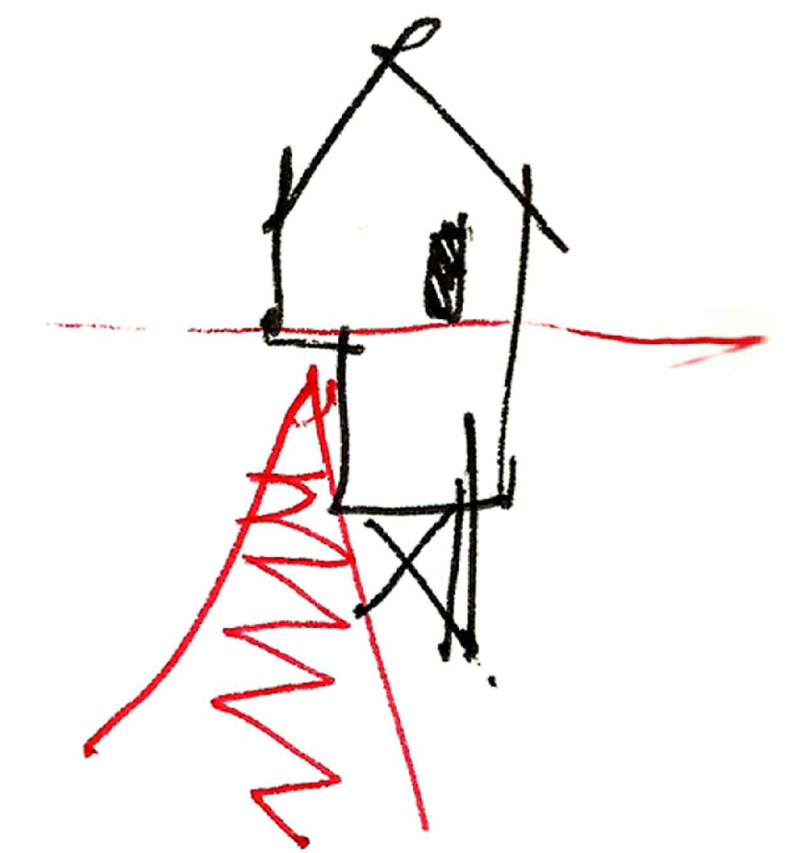
S0.1	General Note Sheet
S0.2	Special Inspection Sheet
S0.3	Special Inspection Sheet
S1.1	Foundation Plan
S1.2	Construction Details
S2.1	Main Floor Framing Plan
S2.2	Upper Floor and Roof Framing Plan
S3.1	Main Floor and Upper Floor Shear Wall Plans
S3.3	Construction Details
S4.1	Construction Details
S4.2	Construction Details
S5.1	Construction Details
S5.2	Construction Details
S6.1	Construction Details

### MECHANICAL

MH001	Mechanical Legend and Notes
MH101	Mechanical Floor Plans
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PP101	Plumbing Floor Plans - Waste and Vent
PP102	Plumbing Floor Plans - Domestic
PP501	Plumbing Details
PP601	Plumbing Schedules
PP901	Plumbing Waste and Vent Isometric

### ELECTRICAL

E301	Electrical Plan - Cabin 1000 Main & Lower Level
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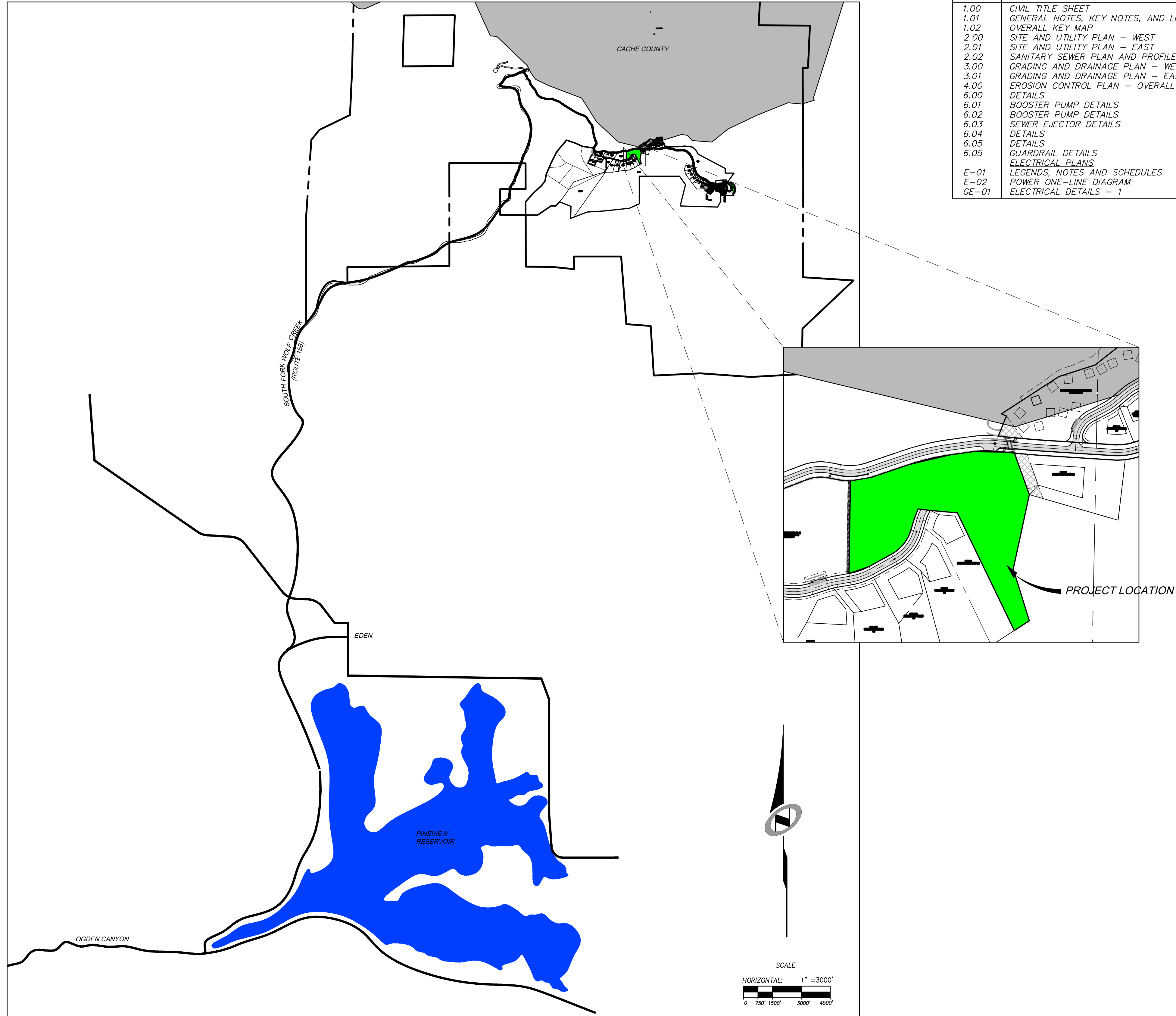
# Horizon Neighborhood Cabins

1000 SF Cabin

Summit Powder Mountain, Eden UT

# HORIZON NEIGHBORHOOD PRUD AT SUMMIT POWDER MOUNTAIN CONSTRUCTION DRAWINGS

Located in Sec 08 T7N R2E  
Weber County, Utah



**SHEET INDEX:**

SHEET NO.	SHEET DESCRIPTION
1.00	CIVIL TITLE SHEET
1.01	GENERAL NOTES, KEY NOTES, AND LEGEND
1.02	OVERALL KEY MAP
2.00	SITE AND UTILITY PLAN - WEST
2.01	SITE AND UTILITY PLAN - EAST
2.02	SANITARY SEWER PLAN AND PROFILE
3.00	GRADING AND DRAINAGE PLAN - WEST
3.01	GRADING AND DRAINAGE PLAN - EAST
4.00	EROSION CONTROL PLAN - OVERALL
6.00	DETAILS
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6.04	DETAILS
6.05	DETAILS
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	ELECTRICAL PLANS
E-01	LEGENDS, NOTES AND SCHEDULES
E-02	POWER ONE-LINE DIAGRAM
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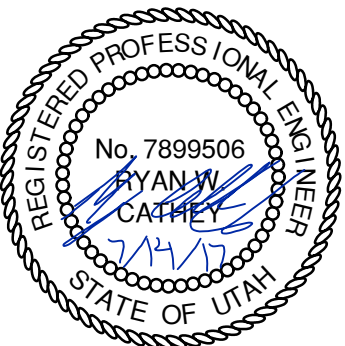
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JAMES R  
XREFS:

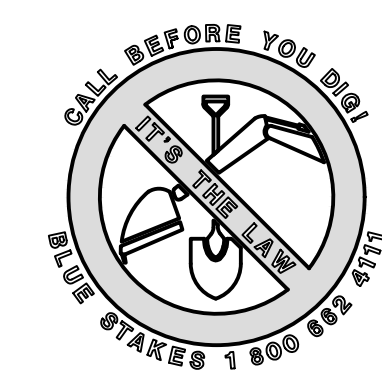
NO.	BY	DATE	REVISIONS

HORIZON NEIGHBORHOOD PRUD  
 CIVIL TITLE SHEET  
 PREPARED FOR: SUMMIT POWDER MOUNTAIN  
 DATE SUBMITTED: 07.14.17


**TALISMAN**  
 CIVIL CONSULTANTS  
 MURRAY, UT 84007  
 5217 SOUTH STATE STREET, SUITE 200  
 801743.8000 TEL. 801743.0900 FAX


 REGISTERED PROFESSIONAL ENGINEER  
 No. 7899506  
 RYAN W. CATHEY  
 STATE OF UTAH

SHEET NUMBER  
**1.00**  
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 VERTICAL: 1" = N/A  
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 JOB NUMBER  
**SLB0793**

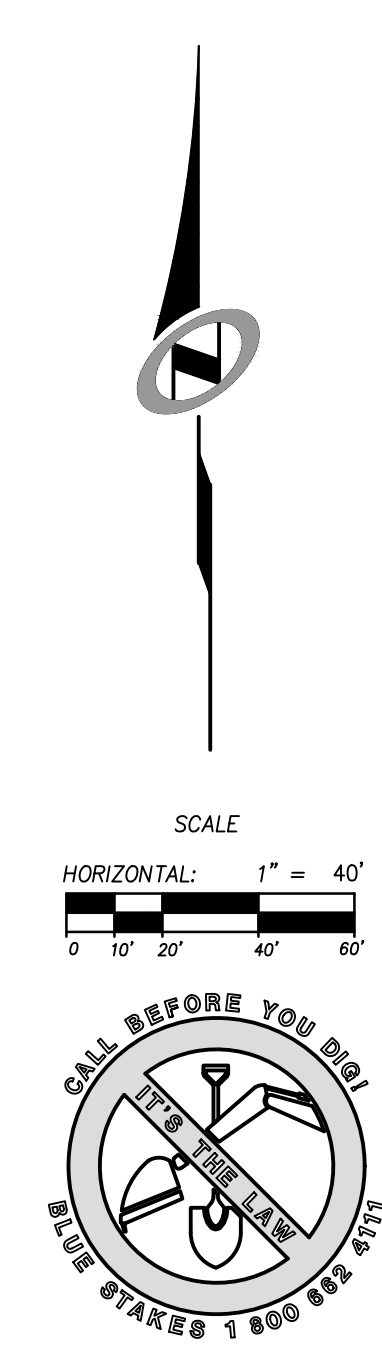
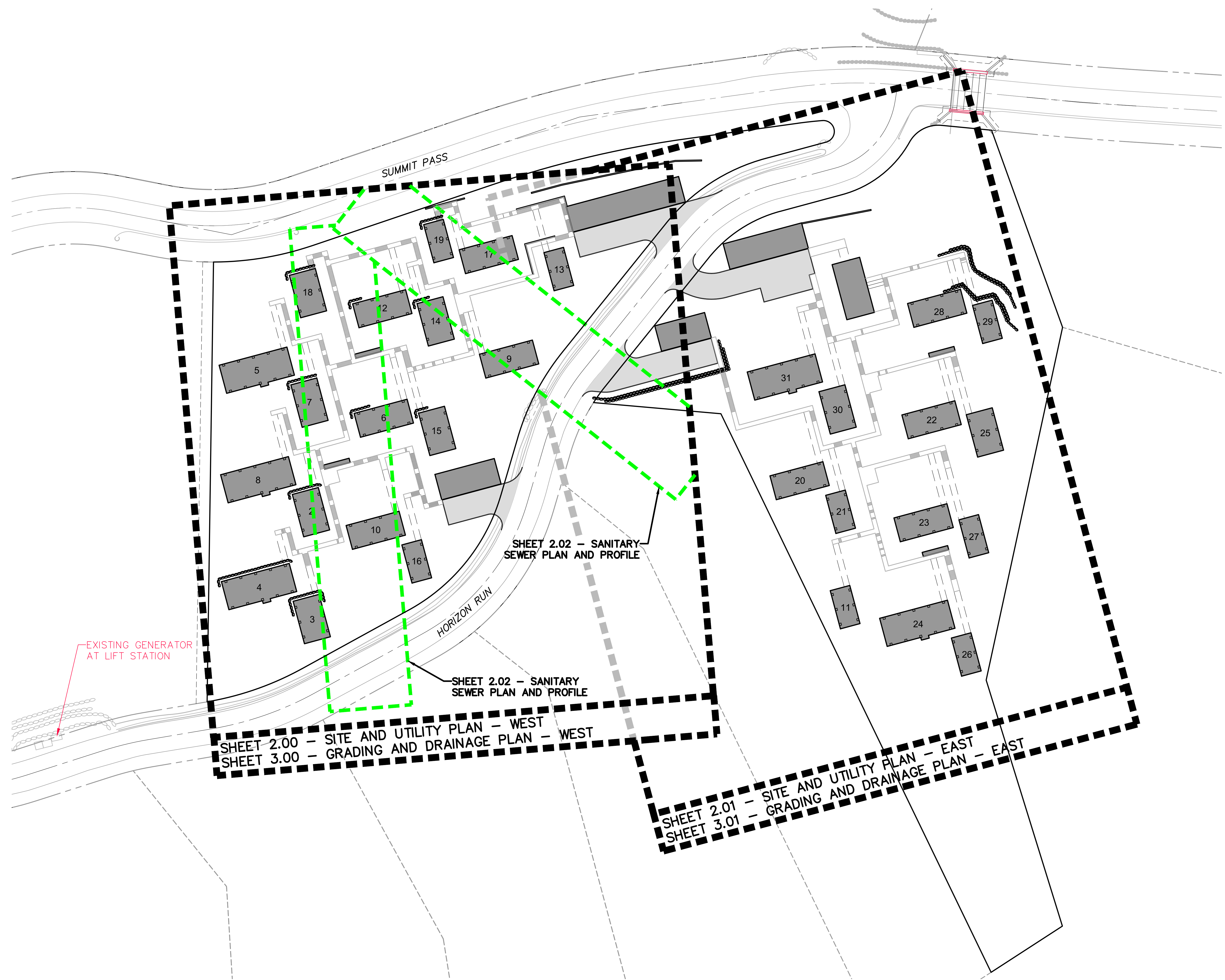


The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Any such changes or uses must be approved by the preparer of these plans.  
 CAUTION



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JAMES R. BROWN  
 XREFS:



NO.	BY	DATE	REVISIONS

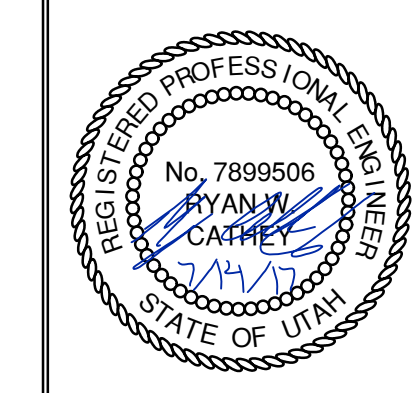
CAUTION  
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**HORIZON NEIGHBORHOOD PRUD**  
**OVERALL KEY MAP**

PREPARED FOR: SUMMIT POWDER MOUNTAIN  
 DATE SUBMITTED: 07.14.17

**TALISMAN**  
 CIVIL CONSULTANTS

MURRAY, UT 84407  
 5217 SOUTH STATE STREET, SUITE 200  
 801743.8800 TEL. 801743.0800 FAX



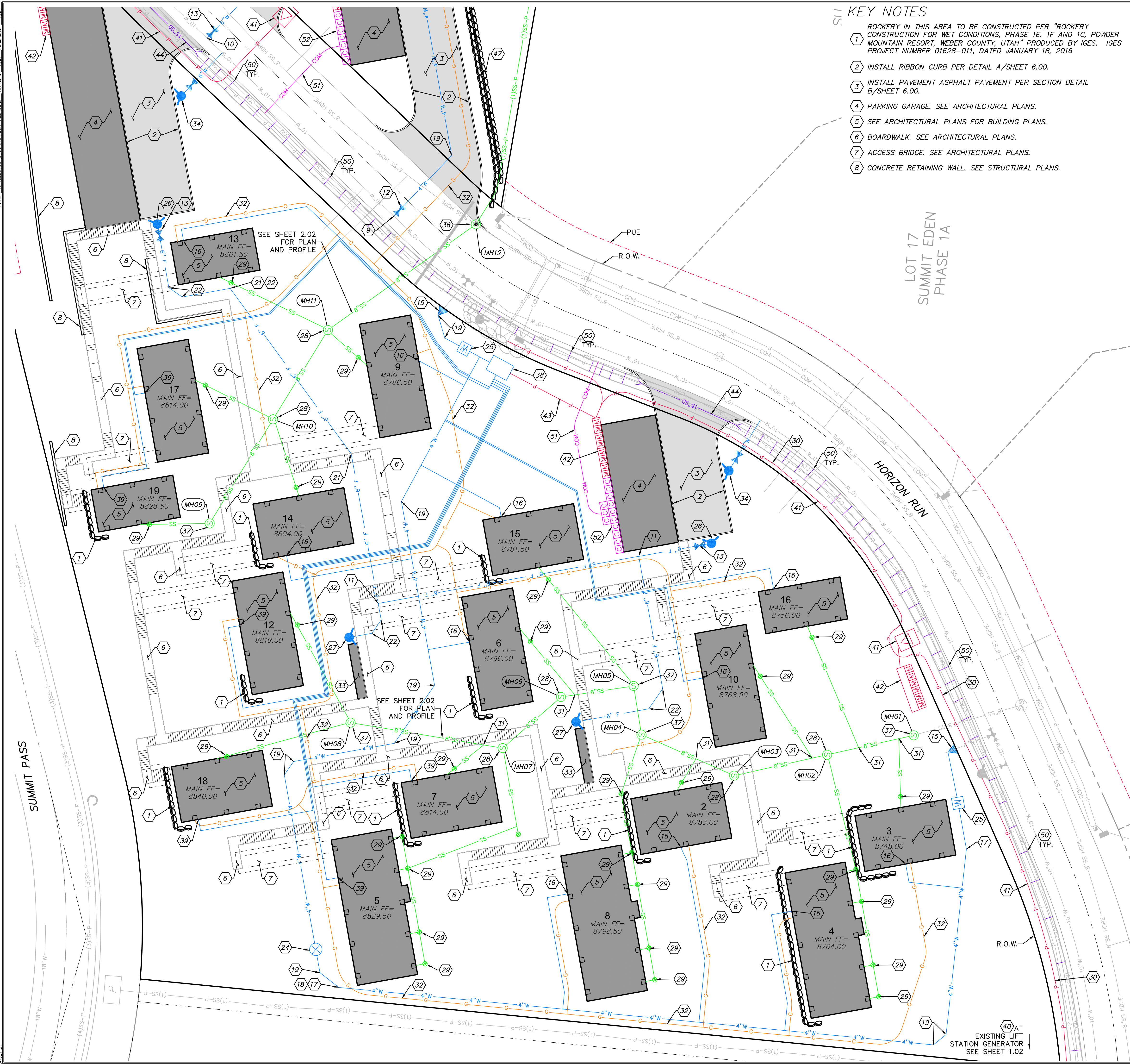
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JOB NUMBER  
**SLB0793**

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JAMES B. XEROX



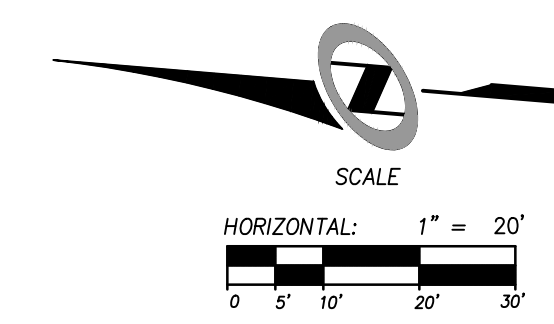
- ### KEY NOTES
- ROCKERY IN THIS AREA TO BE CONSTRUCTED PER "ROCKERY CONSTRUCTION FOR WET CONDITIONS, PHASE 1E, 1F AND 1G, POWDER MOUNTAIN RESORT, WEBER COUNTY, UTAH" PRODUCED BY IGES. PROJECT NUMBER 01628-011, DATED JANUARY 18, 2016
  - INSTALL RIBBON CURB PER DETAIL A/SHEET 6.00.
  - INSTALL PAVEMENT ASPHALT PAVEMENT PER SECTION DETAIL B/SHEET 6.00.
  - PARKING GARAGE. SEE ARCHITECTURAL PLANS.
  - SEE ARCHITECTURAL PLANS FOR BUILDING PLANS.
  - BOARDWALK. SEE ARCHITECTURAL PLANS.
  - ACCESS BRIDGE. SEE ARCHITECTURAL PLANS.
  - CONCRETE RETAINING WALL. SEE STRUCTURAL PLANS.

- ### KEY NOTES (CONT)
- CONNECT TO WATER MAINLINE WITH 4" HOT TAP.
  - CONNECT TO WATER MAINLINE WITH 6" HOT TAP.
  - INSTALL 6"x6"x6" TEE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - INSTALL 4" GATE VALVE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - INSTALL 6" GATE VALVE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - INSTALL 6"x4" REDUCER WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - CONNECT TO EXISTING 8" WATER STUB WITH 8"x4" REDUCER WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - INSTALL 1 1/2" SERVICE LATERAL PER APWA STANDARD PLAN NO. 552 AND DETAIL D, SHEET 6.00.
  - INSTALL 4" 11.25' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - INSTALL 4" 22.5' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - INSTALL 4" 45' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - INSTALL 4" 90' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - INSTALL 6" 22.5' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - INSTALL 6" 45' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
  - INSTALL 4" WASHOUT VALVE PER APWA STANDARD PLAN NO. 571.
  - INSTALL AIR RELEASE ASSEMBLY PER APWA STANDARD PLAN NO. 575.
  - CONSTRUCT 4" METER PER APWA STANDARD PLAN NO. 523.
  - INSTALL FIRE DEPARTMENT CONNECTION. COORDINATE WITH WEBER COUNTY FIRE MARSHAL.
  - INSTALL STAND PIPE PER DETAIL E/SHEET 6.00.
  - INSTALL 4" SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411 WITH DEEP DROP INLET PER APWA STANDARD PLAN NO. 433.
  - INSTALL 4" SANITARY SEWER LATERAL AND CLEANOUT PER APWA STANDARD PLAN NO. 431 AND DETAIL D, SHEET 6.00.
  - ELECTRICAL POWER CONDUIT FROM EXISTING GENERATOR AT LIFT STATION TO BOOSTER PUMP VAULT FOR BACKUP POWER. SEE BOWEN COLLINS ELECTRICAL PLANS.
  - WYE CONNECT TO 8" SEWER LINE.
  - GAS PIPES, AND STORAGE TANKS (1,000 GAL) TO BE EXCAVATED AND TRENCHED BY CONTRACTOR. INSTALLATION BY OTHERS.
  - FIRE CACHE. SEE ARCHITECTURAL PLANS.
  - INSTALL FIRE HYDRANT ASSEMBLY PER APWA STANDARD PLAN NO. 511.
  - PROPANE TANK PIT PER DETAIL C/SHEET 6.00.
  - INSTALL 5" SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411.
  - INSTALL 4" SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411.
  - INSTALL BOOSTER PUMP VAULT PER DETAIL A, SHEET 6.02.
  - INSTALL 2" SERVICE LATERAL PER APWA STANDARD PLAN NO. 552.
  - CONNECT TO EXISTING BACKUP GENERATOR. SEE BOWEN COLLINS ELECTRICAL PLANS.
  - ELECTRICAL POWER CONDUIT, TRANSFORMERS AND PULL BOXES. SEE SALMON ELECTRICAL PLANS.
  - POWER METER BASE AND MAIN CIRCUIT BREAKER, SEE SALMON ELECTRICAL PLANS.
  - BOOSTER PUMP VAULT ELECTRICAL EQUIPMENT, SEE DETAIL B, SHEET 6.02. SEE BOWEN COLLINS ELECTRICAL PLANS.
  - INSTALL RCP CLASS 3 CULVERT WITH FLARED END SECTIONS TO MATCH EXISTING FLOWLINE OF DRAINAGE CHANNEL.
  - INSTALL E/ONE GRINDER PUMP STATION MODEL DH071. WITH E/ONE SENTRY ALARM PANEL INCLUDING GENERATOR RECEPTACLE WITH AUTO TRANSFER AND GFCI RECEPTACLE. ALARM PANELS SHALL BE INSTALLED WITHIN LINE OF SIGHT OF ENTRY TO UNIT. SEE DETAIL SHEET 6.03.
  - INSTALL E/ONE GRINDER PUMP STATION MODEL DH151. WITH E/ONE SENTRY ALARM PANEL INCLUDING GENERATOR RECEPTACLE WITH AUTO TRANSFER AND GFCI RECEPTACLE. ALARM PANELS SHALL BE INSTALLED WITHIN LINE OF SIGHT OF ENTRY TO UNIT. SEE DETAIL SHEET 6.03.
  - CONSTRUCT ROCK WALL WITH GUARDRAIL. SEE STRUCTURAL PLANS.
  - WYE CONNECT 1.5" SEWER PIPE
  - CONSTRUCT 4' WIDE x 1' DEEP DRAINAGE SWALE. LINE SWALE WITH D50=6" RIP RAP.
  - INSTALL CHECK DAM PER DETAIL A, SHEET 6.04. CHECK DAMS TO BE INSTALLED AT EVERY 12" IN ELEVATION RISE AS SHOWN ON PLAN.
  - INSTALL COMMUNICATION CONDUIT.
  - INSTALL COMMUNICATION BOX.

LOT 17  
SUMMIT EDEN  
PHASE 1A

HORIZON RUN

SUMMIT PASS

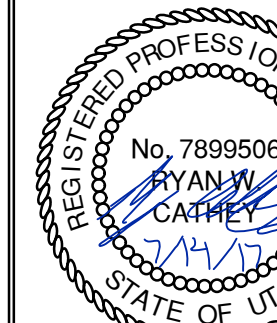


NO.	DATE	BY	REVISIONS

## HORIZON NEIGHBORHOOD PRUD SITE AND UTILITY PLAN - WEST

**TALISMAN**  
CIVIL CONSULTANTS

5617 SOUTH STATE STREET, SUITE 200  
8017431800 TEL. 8017430800 FAX



SHEET NUMBER  
**2.00**

SCALE  
VERTICAL: 1" = N/A  
HORIZONTAL: 1" = 20'

JOB NUMBER  
**SLB0793**

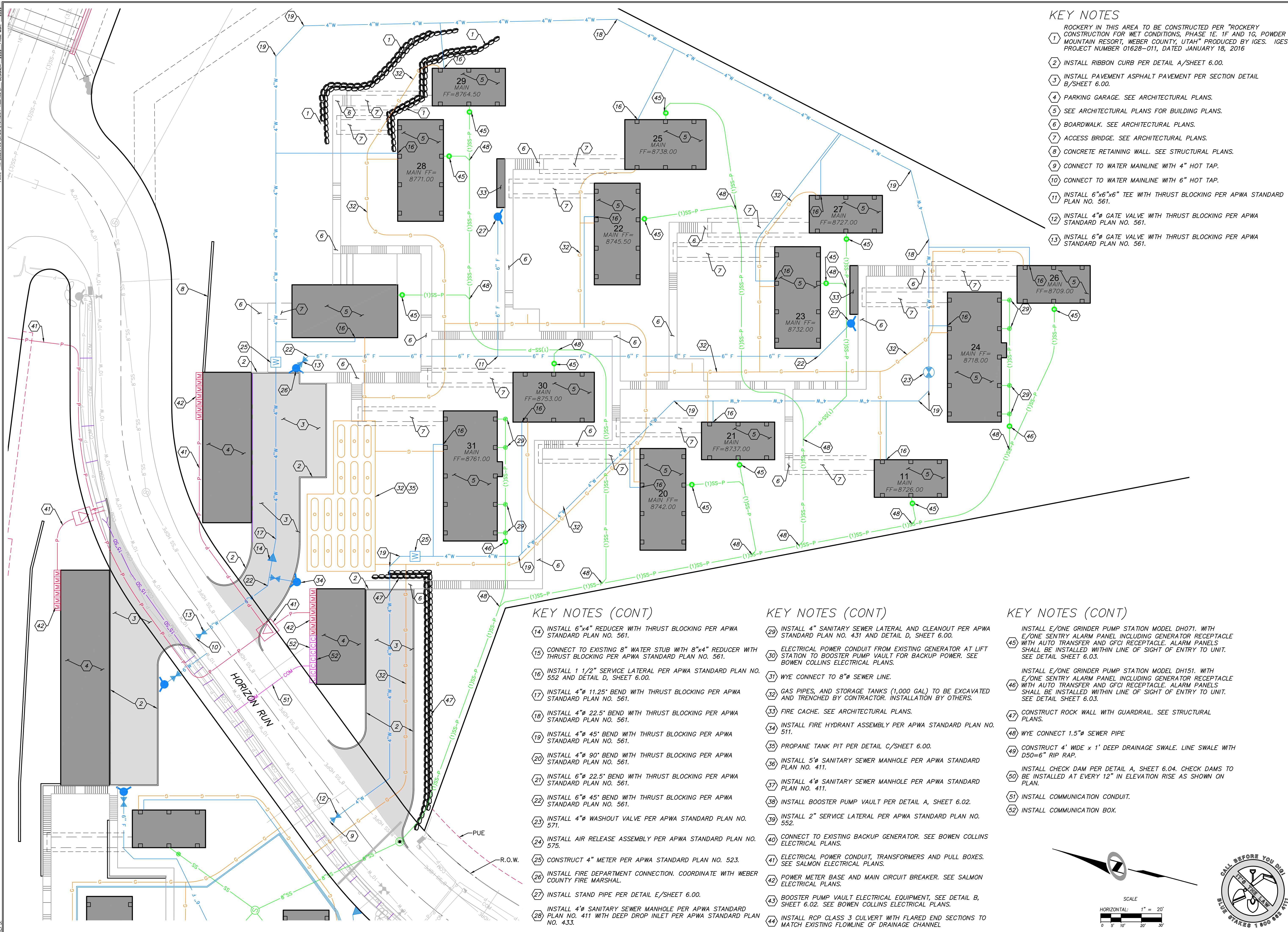
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Any such changes or uses must be approved by the preparer of these plans.

DATE SUBMITTED: 07.14.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

MURRAY, UT 84407

DATE: 7/13/17 TIME: 6:23:32 PM DRAWING NAME: SITE AND UTILITY PLAN - EAST/DWG  
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**KEY NOTES**

- 1 ROCKERY IN THIS AREA TO BE CONSTRUCTED PER "ROCKERY CONSTRUCTION FOR WET CONDITIONS, PHASE 1E: 1F AND 1G, POWDER MOUNTAIN RESORT, WEBER COUNTY, UTAH" PRODUCED BY IGES. IGES PROJECT NUMBER 01628-011, DATED JANUARY 18, 2016
- 2 INSTALL RIBBON CURB PER DETAIL A/SHEET 6.00.
- 3 INSTALL PAVEMENT ASPHALT PAVEMENT PER SECTION DETAIL B/SHEET 6.00.
- 4 PARKING GARAGE. SEE ARCHITECTURAL PLANS.
- 5 SEE ARCHITECTURAL PLANS FOR BUILDING PLANS.
- 6 BOARDWALK. SEE ARCHITECTURAL PLANS.
- 7 ACCESS BRIDGE. SEE ARCHITECTURAL PLANS.
- 8 CONCRETE RETAINING WALL. SEE STRUCTURAL PLANS.
- 9 CONNECT TO WATER MAINLINE WITH 4" HOT TAP.
- 10 CONNECT TO WATER MAINLINE WITH 6" HOT TAP.
- 11 INSTALL 6"x6"x6" TEE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 12 INSTALL 4" GATE VALVE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 13 INSTALL 6" GATE VALVE WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.

**KEY NOTES (CONT)**

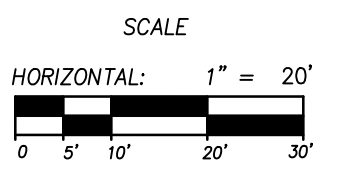
- 14 INSTALL 6"x4" REDUCER WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 15 CONNECT TO EXISTING 8" WATER STUB WITH 8"x4" REDUCER WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 16 INSTALL 1 1/2" SERVICE LATERAL PER APWA STANDARD PLAN NO. 561.
- 17 INSTALL 4" 11.25' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 18 INSTALL 4" 22.5' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 19 INSTALL 4" 45' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 20 INSTALL 4" 90' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 21 INSTALL 6" 22.5' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 22 INSTALL 6" 45' BEND WITH THRUST BLOCKING PER APWA STANDARD PLAN NO. 561.
- 23 INSTALL 4" WASHOUT VALVE PER APWA STANDARD PLAN NO. 571.
- 24 INSTALL AIR RELEASE ASSEMBLY PER APWA STANDARD PLAN NO. 575.
- 25 CONSTRUCT 4" METER PER APWA STANDARD PLAN NO. 523.
- 26 INSTALL FIRE DEPARTMENT CONNECTION. COORDINATE WITH WEBER COUNTY FIRE MARSHAL.
- 27 INSTALL STAND PIPE PER DETAIL E/SHEET 6.00.
- 28 INSTALL 4" SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411 WITH DEEP DROP INLET PER APWA STANDARD PLAN NO. 433.

**KEY NOTES (CONT)**

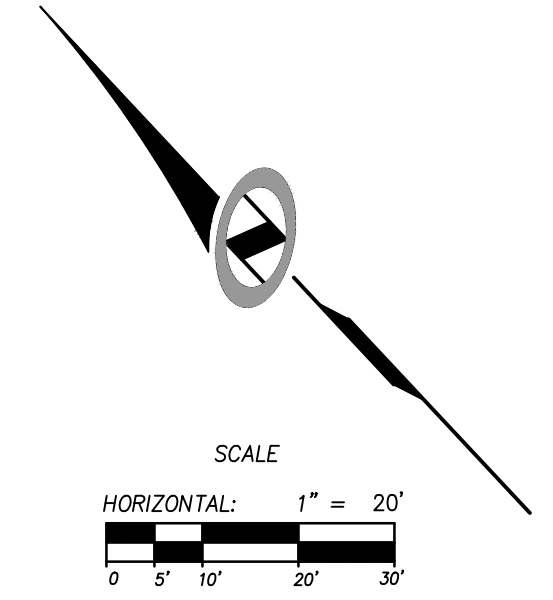
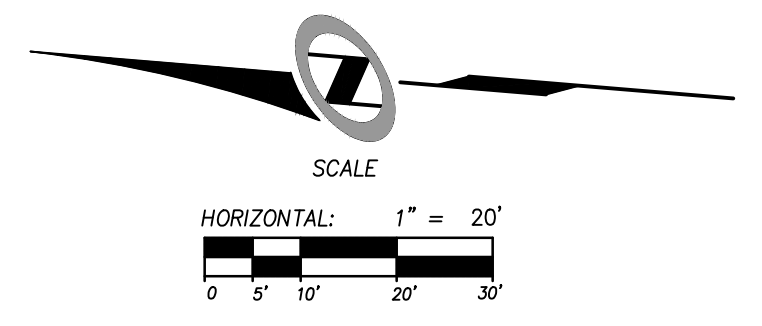
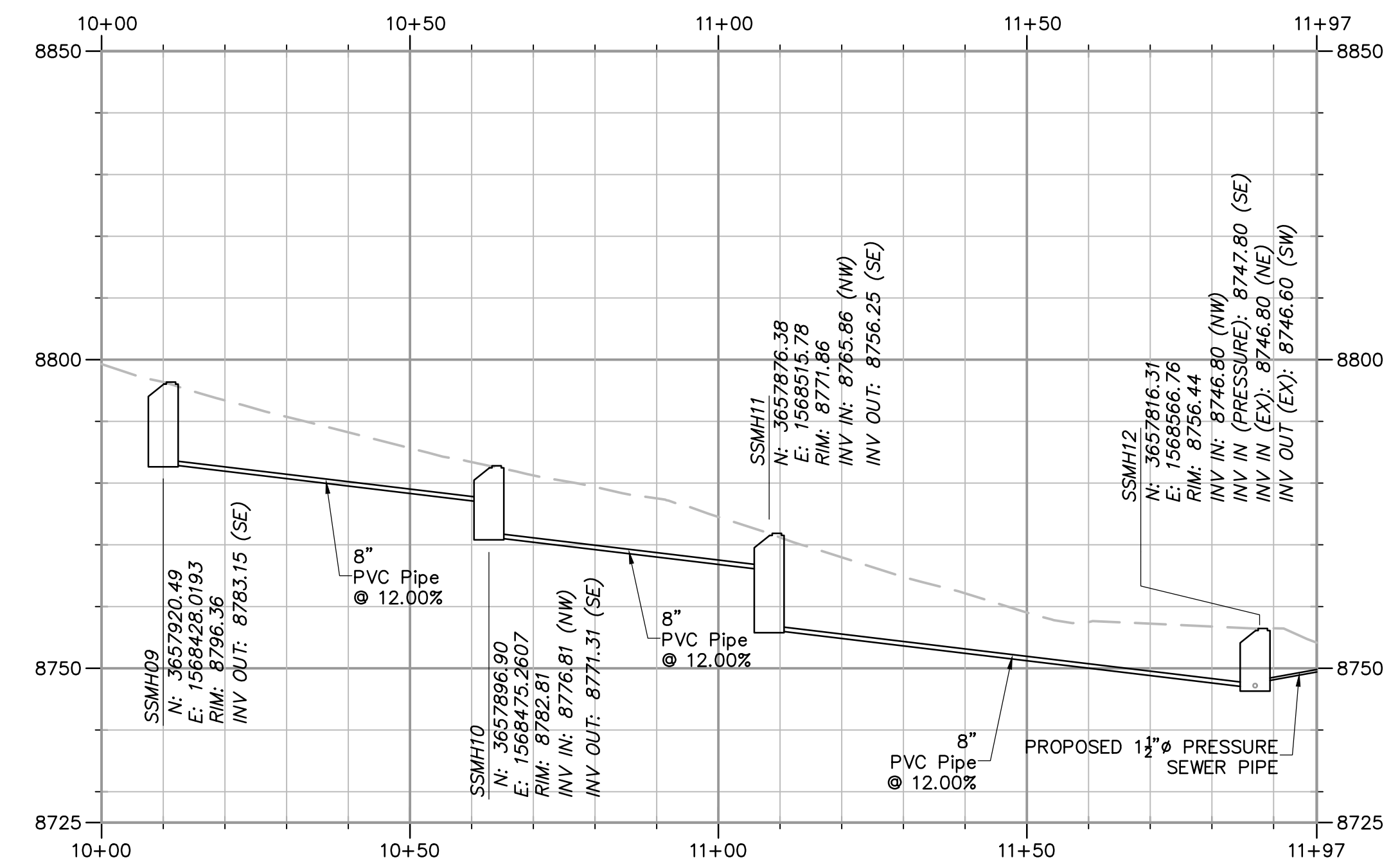
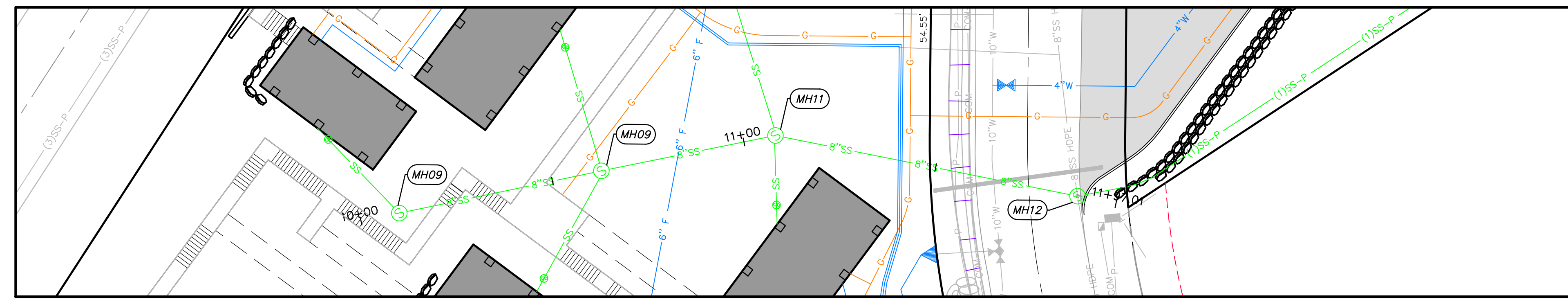
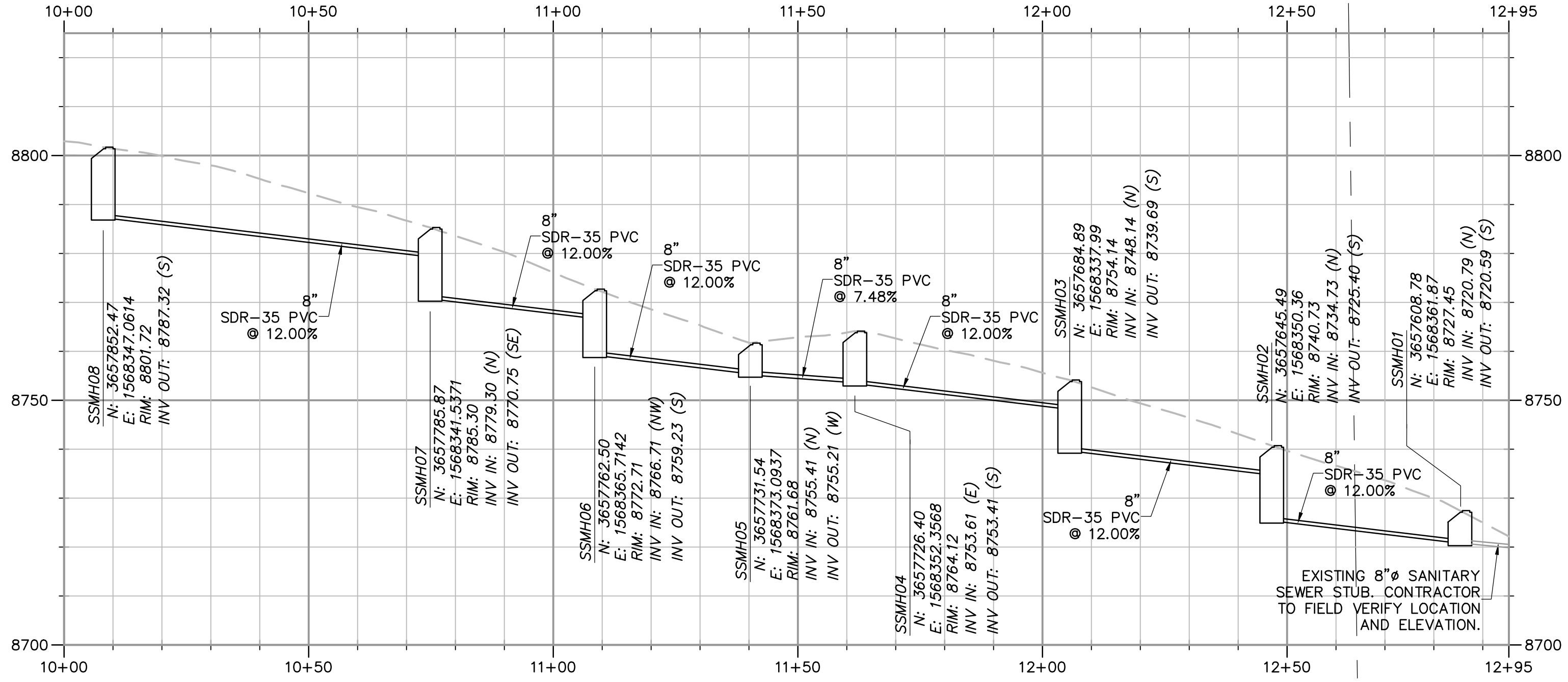
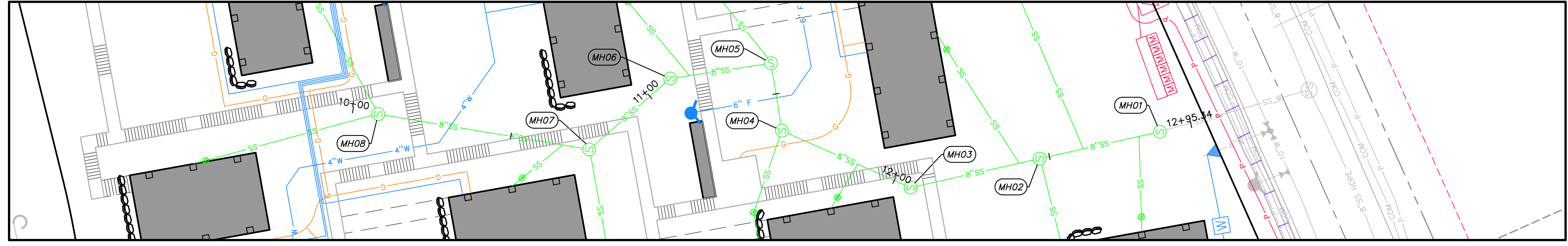
- 29 INSTALL 4" SANITARY SEWER LATERAL AND CLEANOUT PER APWA STANDARD PLAN NO. 431 AND DETAIL D, SHEET 6.00.
- 30 ELECTRICAL POWER CONDUIT FROM EXISTING GENERATOR AT LIFT STATION TO BOOSTER PUMP VAULT FOR BACKUP POWER. SEE BOWEN COLLINS ELECTRICAL PLANS.
- 31 WYE CONNECT TO 8" SEWER LINE.
- 32 GAS PIPES, AND STORAGE TANKS (1,000 GAL) TO BE EXCAVATED AND TRENCHED BY CONTRACTOR. INSTALLATION BY OTHERS.
- 33 FIRE CACHE. SEE ARCHITECTURAL PLANS.
- 34 INSTALL FIRE HYDRANT ASSEMBLY PER APWA STANDARD PLAN NO. 511.
- 35 PROPANE TANK PIT PER DETAIL C/SHEET 6.00.
- 36 INSTALL 5" SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411.
- 37 INSTALL 4" SANITARY SEWER MANHOLE PER APWA STANDARD PLAN NO. 411.
- 38 INSTALL BOOSTER PUMP VAULT PER DETAIL A, SHEET 6.02.
- 39 INSTALL 2" SERVICE LATERAL PER APWA STANDARD PLAN NO. 552.
- 40 CONNECT TO EXISTING BACKUP GENERATOR. SEE BOWEN COLLINS ELECTRICAL PLANS.
- 41 ELECTRICAL POWER CONDUIT, TRANSFORMERS AND PULL BOXES. SEE SALMON ELECTRICAL PLANS.
- 42 POWER METER BASE AND MAIN CIRCUIT BREAKER. SEE SALMON ELECTRICAL PLANS.
- 43 BOOSTER PUMP VAULT ELECTRICAL EQUIPMENT, SEE DETAIL B, SHEET 6.02. SEE BOWEN COLLINS ELECTRICAL PLANS.
- 44 INSTALL RCP CLASS 3 CULVERT WITH FLARED END SECTIONS TO MATCH EXISTING FLOWLINE OF DRAINAGE CHANNEL.

**KEY NOTES (CONT)**

- 45 INSTALL E/ONE GRINDER PUMP STATION MODEL DH071. WITH E/ONE SENTRY ALARM PANEL INCLUDING GENERATOR RECEPTACLE WITH AUTO TRANSFER AND GFCI RECEPTACLE. ALARM PANELS SHALL BE INSTALLED WITHIN LINE OF SIGHT OF ENTRY TO UNIT. SEE DETAIL SHEET 6.03.
- 46 INSTALL E/ONE GRINDER PUMP STATION MODEL DH151. WITH E/ONE SENTRY ALARM PANEL INCLUDING GENERATOR RECEPTACLE WITH AUTO TRANSFER AND GFCI RECEPTACLE. ALARM PANELS SHALL BE INSTALLED WITHIN LINE OF SIGHT OF ENTRY TO UNIT. SEE DETAIL SHEET 6.03.
- 47 CONSTRUCT ROCK WALL WITH GUARDRAIL. SEE STRUCTURAL PLANS.
- 48 WYE CONNECT 1.5" SEWER PIPE
- 49 CONSTRUCT 4' WIDE x 1' DEEP DRAINAGE SWALE. LINE SWALE WITH D50=6" RIP RAP.
- 50 INSTALL CHECK DAM PER DETAIL A, SHEET 6.04. CHECK DAMS TO BE INSTALLED AT EVERY 12" IN ELEVATION RISE AS SHOWN ON PLAN.
- 51 INSTALL COMMUNICATION CONDUIT.
- 52 INSTALL COMMUNICATION BOX.



REVISIONS		HORIZON NEIGHBORHOOD PRUD SITE AND UTILITY PLAN - EAST	PREPARED FOR: SUMMIT POWDER MOUNTAIN DATE SUBMITTED: 07.14.17
NO.	DATE		
BY	DATE		
DATE	DATE		
		MURRAY, UT 84407 5217 SOUTH STATE STREET, SUITE 200 801743.8000 TEL. 801743.0800 FAX	
REGISTERED PROFESSIONAL ENGINEER RYAN W. CATHEY STATE OF UTAH		SHEET NUMBER <b>2.01</b>	
SCALE VERTICAL: 1" = N/A HORIZONTAL: 1" = 20'		JOB NUMBER <b>SLB0793</b>	

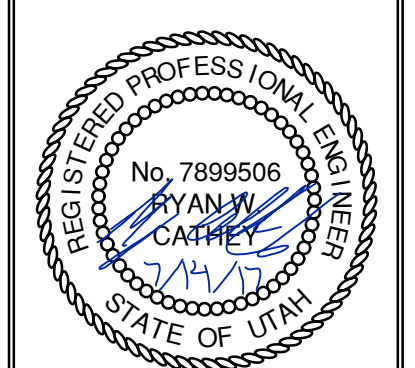


NO.	BY	DATE	REVISIONS

# HORIZON NEIGHBORHOOD PRUD SANITARY SEWER PLAN AND PROFILE



5217 SOUTH STATE STREET, SUITE 200  
 MURRAY, UT 84407  
 801.743.8800 TEL. 801.743.0800 FAX



SHEET NUMBER	2.02
SCALE	VERTICAL: 1" = N/A HORIZONTAL: 1" = 20'
JOB NUMBER	SLB0793

DATE SUBMITTED: 07.14.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

CAUTION  
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DATE: 7/13/17 TIME: 6:23:52 PM DRAWING: GRADING AND DRAINAGE PLAN - WEST 1  
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JAMES B. XREES



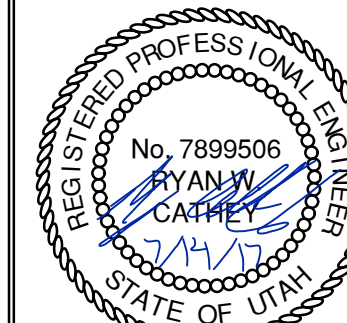
ABBREVIATIONS:

BC	BUILDING
BK	BOARDWALK
BS	BOTTOM OF STAIRS
BW	BOTTOM OF WALL
EX	EXISTING
FG	FINISHED GRADE
FL	FLOWLINE
TC	TOP OF CURB
TS	TOP OF STAIRS
TW	TOP OF WALL

NO.	BY	DATE	REVISIONS

**HORIZON NEIGHBORHOOD PRUD**  
**GRADING AND DRAINAGE PLAN - WEST**

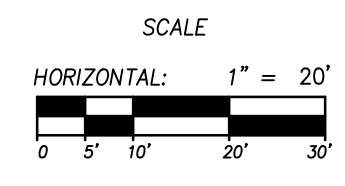
**TALISMAN**  
 CIVIL CONSULTANTS  
 MURRAY, UT 84007  
 687 SOUTH STATE STREET, SUITE 200  
 801.743.8800 TEL. 801.743.0800 FAX



SHEET NUMBER  
**3.00**  
 SCALE  
 VERTICAL: 1" = N/A  
 HORIZONTAL: 1" = 20'  
 JOB NUMBER  
**SLB0793**

DATE SUBMITTED: 07.14.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN



CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Plans must be approved by the preparer of these plans.



DATE: 7/13/17 TIME: 6:24:17 PM DRAWING: GRADING AND DRAINAGE PLAN - EAST  
 SERVER: NONE PLOT: 130-24-38 LAYOUT: 01  
 PATH: N:\SLB0793\CADD\HORIZON VILLAGE V.P. DESIGNED: JMM DRAWN: JMM

JAMES B. SPRENGER  
 XREFS:

MATCHLINE - SEE THIS SHEET

ABBREVIATIONS:

BC	BUILDING
BK	BOARDWALK
BS	BOTTOM OF STAIRS
BW	BOTTOM OF WALL
EX	EXISTING
FG	FINISHED GRADE
FL	FLOWLINE
TC	TOP OF CURB
TS	TOP OF STAIRS
TW	TOP OF WALL



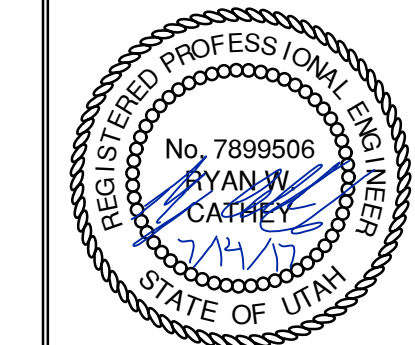
MATCHLINE - SEE THIS SHEET

**HORIZON NEIGHBORHOOD PRUD**  
**GRADING AND DRAINAGE PLAN - EAST**

**TALISMAN**  
 CIVIL CONSULTANTS

5217 SOUTH STATE STREET, SUITE 200  
 801743-8800 TEL. 801743-0800 FAX

MURRAY, UT 84407



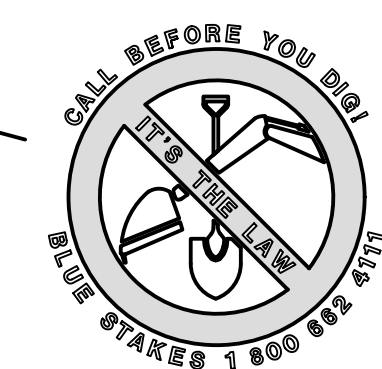
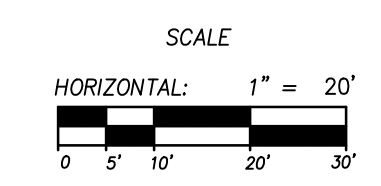
SHEET NUMBER	3.01
SCALE	HORIZONTAL: 1" = 20' VERTICAL: 1" = 20'
JOB NUMBER	SLB0793

DATE SUBMITTED: 07.14.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

NO. BY DATE REVISIONS

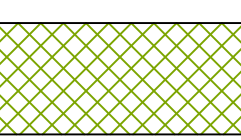
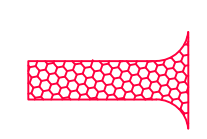



The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans, and must be approved by the preparer of these plans.



DATE: 7/13/17 TIME: 5:24:29 PM DRAWING: EROSION CONTROL PLAN - OVERALL  
 SERVER: NONE PAGE SETUP: PLOT-C30-24x36 LAYOUT: LAYOUT1  
 PATH: N:\S\B0793\CAD\HORIZON VILLAGE VP EROSION.dwg PLOT: 11/11/17



**SCOPE OF WORK:**  
 PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:

- 
 HATCHING INDICATES AREAS TO RECEIVE 4" TOPSOIL AND TO BE SEED FOR NATURAL VEGETATION\*. AREAS RECEIVING SEEDING FOR NATURAL REVEGETATION MUST BE COVERED WITH AN EROSION CONTROL BLANKET AFTER THE FINAL GRADING AND SEEDING ARE FINISHED. INSTALL NORTH AMERICAN GREEN SC-150 BLANKET OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS. INSTALL NORTH AMERICAN GREEN P300 EROSION CONTROL BLANKET ON ALL SLOPES GREATER THAN 1.5:1. RE-SEED AREA IS APPROXIMATE. CONTRACTOR IS TO REVEGITATE ALL DISTURBED AREAS.
- 
 STABILIZED CONSTRUCTION ENTRANCE FOR SITE INGRESS/EGRESS. IF ALTERNATE ACCESS POINTS ARE APPROVED BY OWNER, ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES WILL BE REQUIRED.
- 
 INSTALL SILT FENCE ALONG DOWN GRADIENT LIMITS OF DISTURBANCE AS SHOWN ON PLAN.
- 
 INSTALL ORANGE SAFETY FENCING AROUND OUTER LIMITS OF PROJECT PRIOR TO GRADING.

SCALE  
 HORIZONTAL: 1" = 40'  
 0 10' 20' 40' 60'

SCALE  
 VERTICAL: 1" = N/A  
 HORIZONTAL: 1" = 40'

CALL BEFORE YOU DIG  
 BLUE STAKES 1 800 882 8778

NO.	BY	DATE	REVISIONS

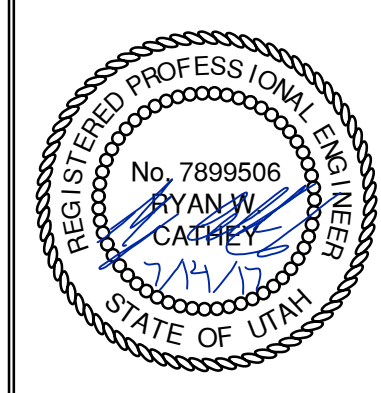
# HORIZON NEIGHBORHOOD PRUD

## EROSION CONTROL PLAN - OVERALL

**TALISMAN**  
 CIVIL CONSULTANTS

MURRAY, UT 8407

5217 SOUTH STATE STREET, SUITE 200  
 801743.8000 TEL. 801743.0900 FAX



SHEET NUMBER  
**4.00**

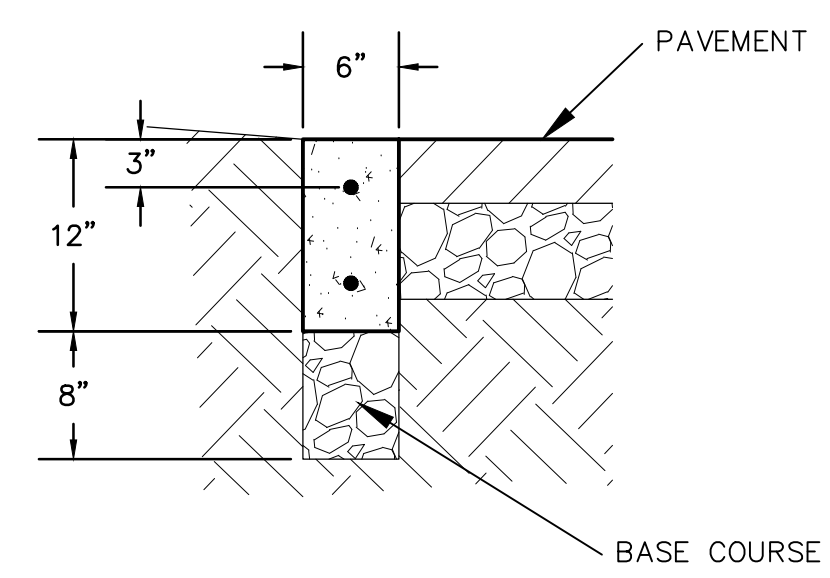
JOB NUMBER  
**SLB0793**

DATE SUBMITTED: 07.14.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

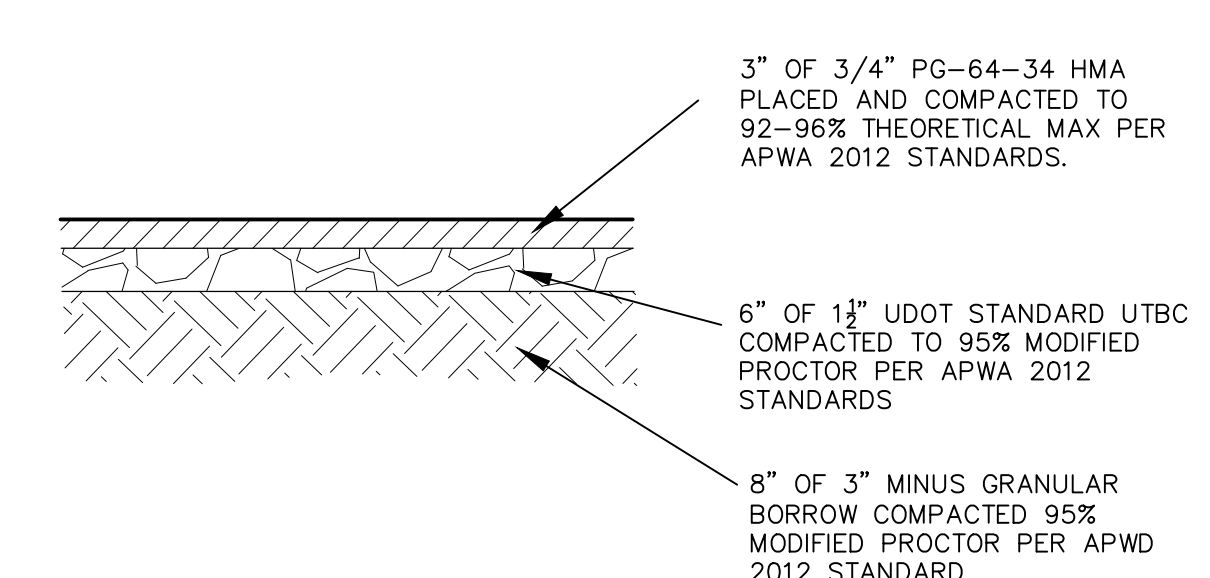
CAUTION  
 The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans, and must be approved by the preparer of these plans.

DATE: 7/13/17 TIME: 5:24:47 PM DRAWING NAME: 600 - DETAILS.DWG  
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 SERVER: N:\S\B0793\CAD\HORIZON VILLAGE V.P. DESIGNED: JMM PROJ. MGR: JMM



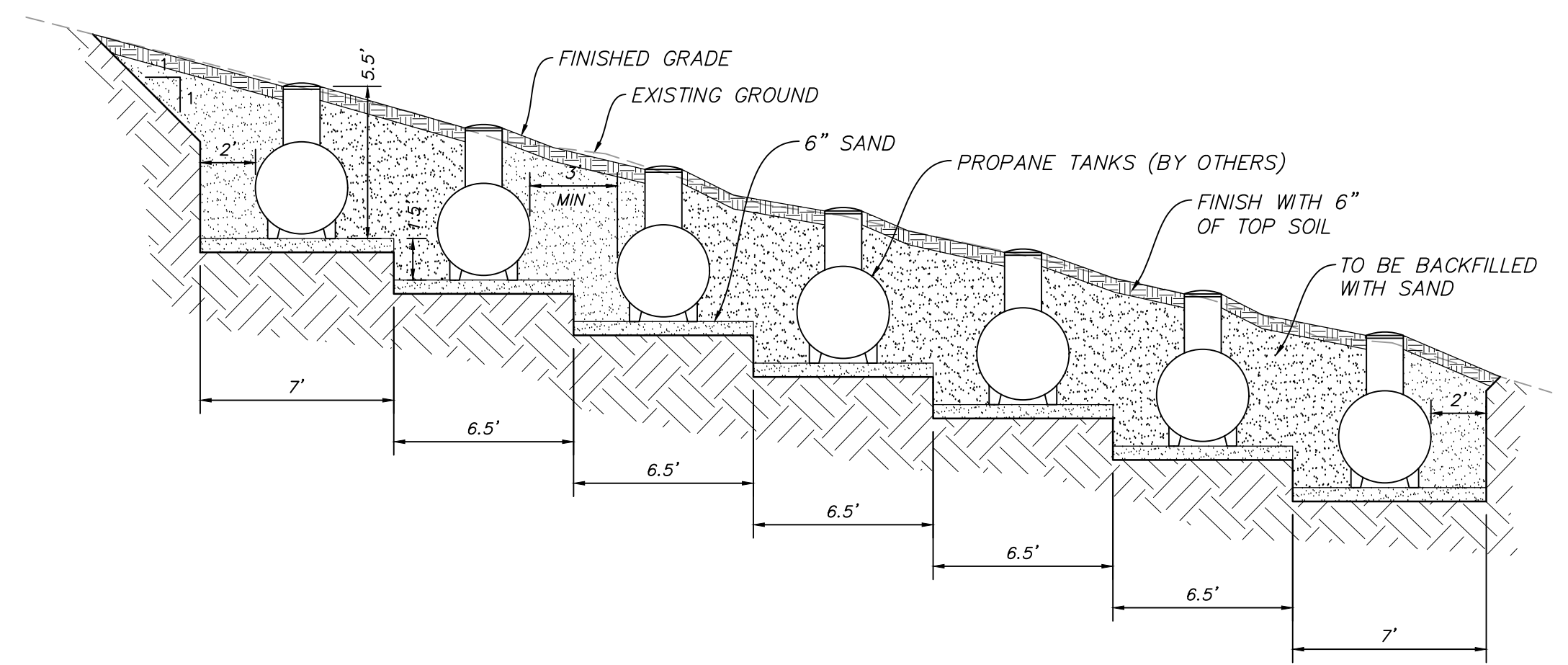
**RIBBON CURB**  
(MODIFIED TYPE P CURB)

(A) NTS



**PARKING ASPHALT SECTION**

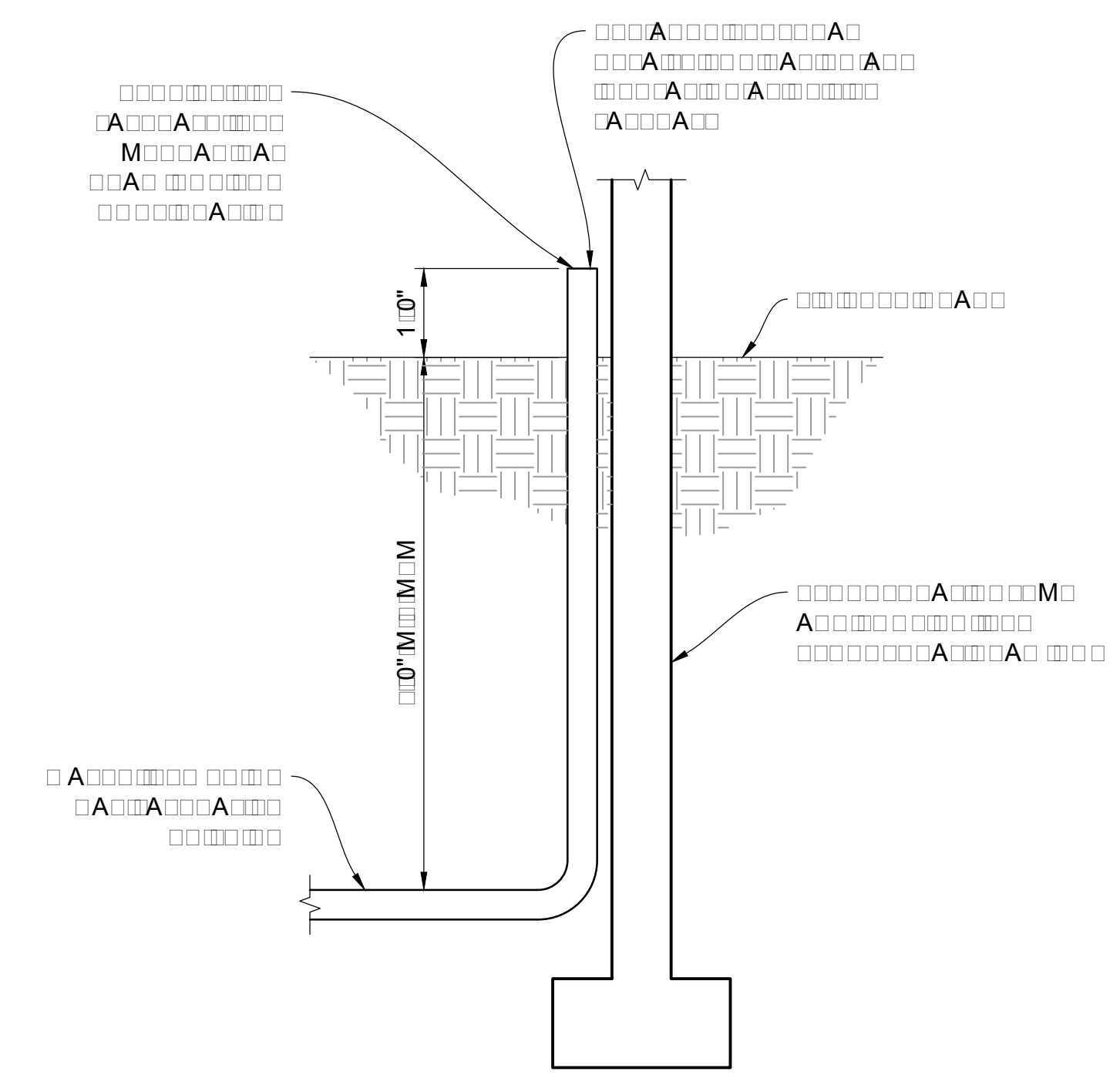
(B) NTS



SECTION A-A

**PROPANE TANK PIT**

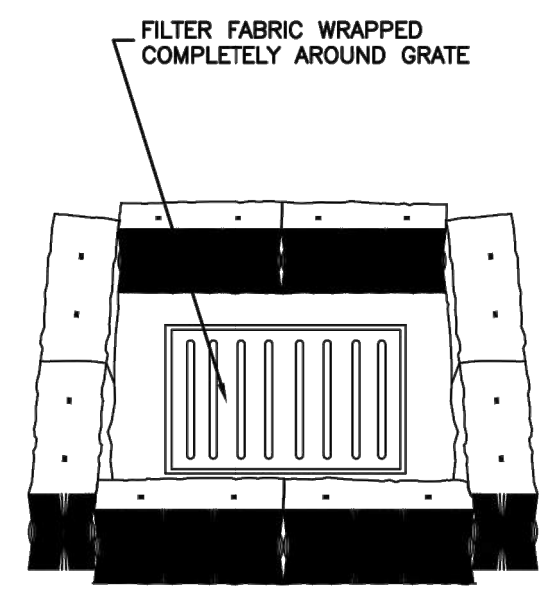
(C) VAR NTS



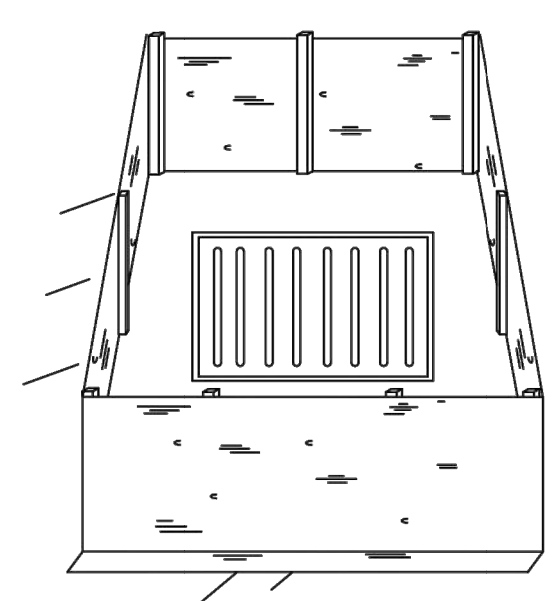
**SERVICE LATERAL DETAIL**

(D) VAR NTS

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



**STRAW BALE BARRIER**  
(PLAN No. 121)



**SILT FENCE**  
(PLAN No. 122)

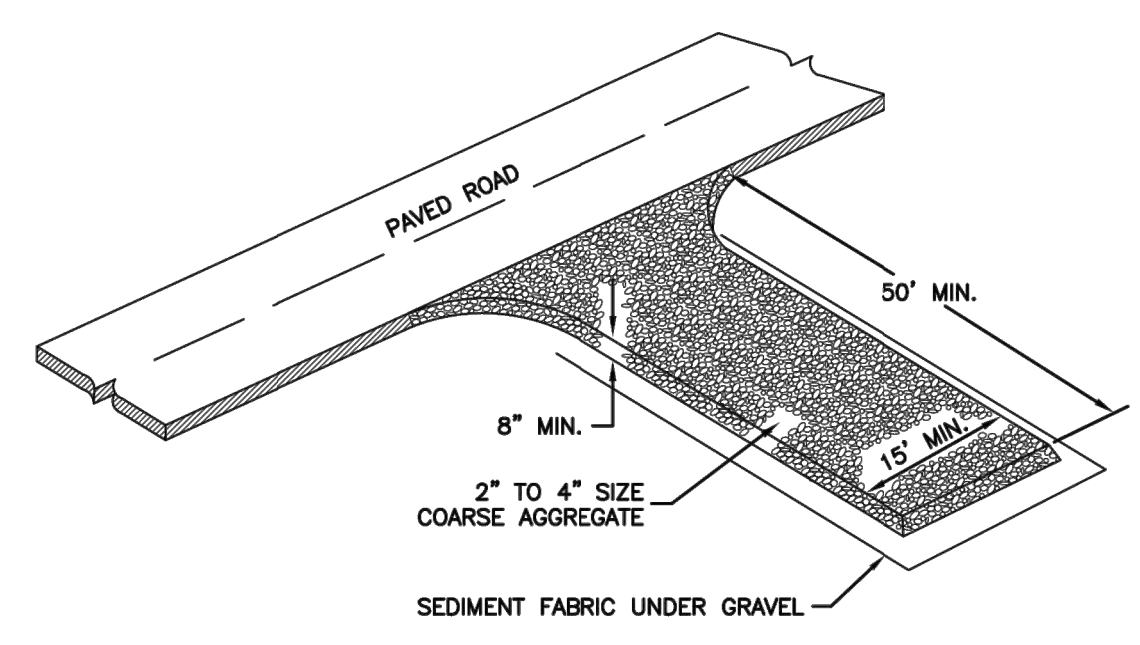
**Inlet protection - fence or straw bale**

February 2006

15

Plan 124  
Sheet 3 of 3

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



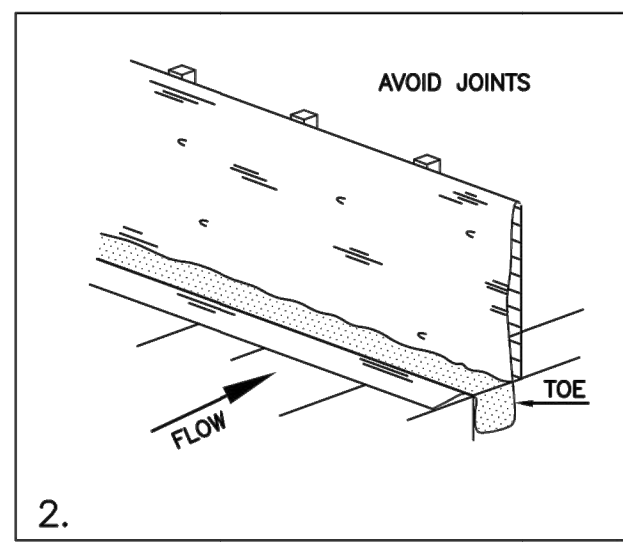
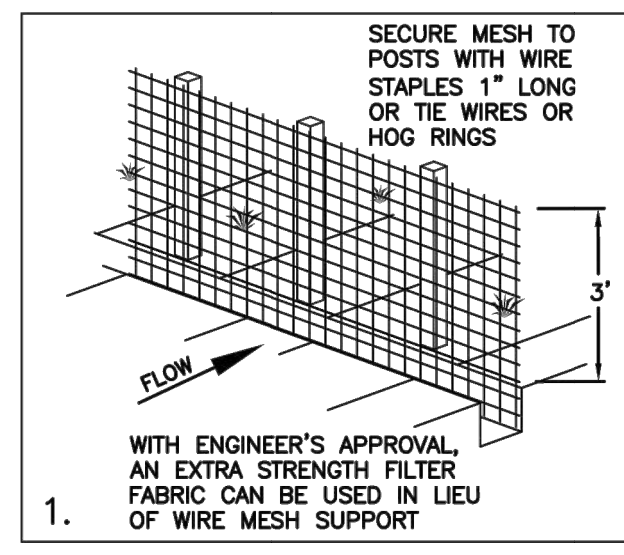
**Stabilized roadway entrance**

February 2006

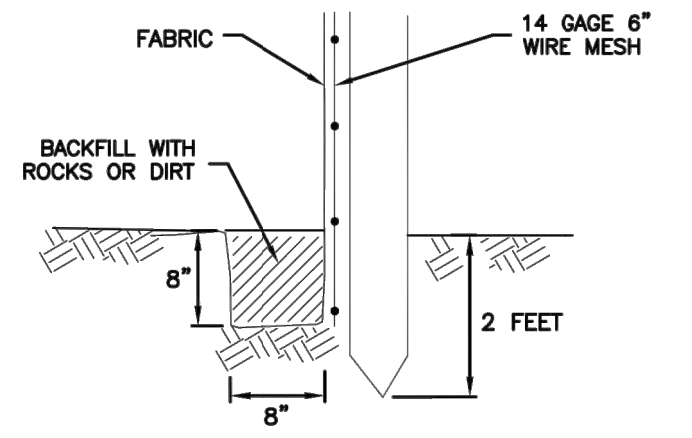
19

Plan 126

NARRATIVE: THIS PLAN MAY BE USED FOR THE CONSTRUCTION OF A STORM WATER BEST MANAGEMENT PRACTICE (BMP). IT IS NOT INCLUSIVE OF ALL PRACTICES AVAILABLE AND IS ONLY SPECIFIC TO THE CONSTRUCTION OF THIS TYPE. MAINTENANCE OF THIS TYPE OF INSTALLATION IS IMPORTANT AND SHOULD BE CONTINUOUSLY MONITORED BY THE CONTRACTOR AND ENGINEER. DETAILS SHOWN HERE HIGHLIGHT IMPORTANT PARTS OF CONSTRUCTION, AND SHOULD BE MODIFIED AS NEEDED.



**INSTALLATION SEQUENCE**



**TOE DETAIL**

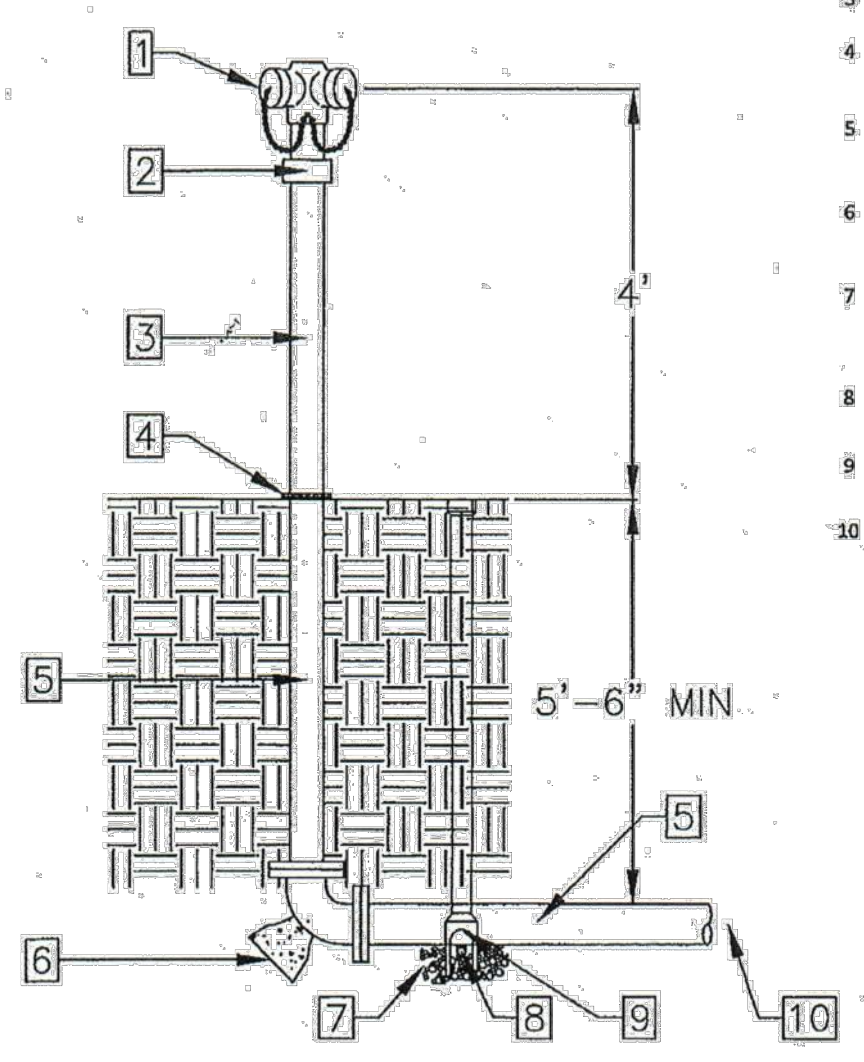
**Silt fence**

February 2006

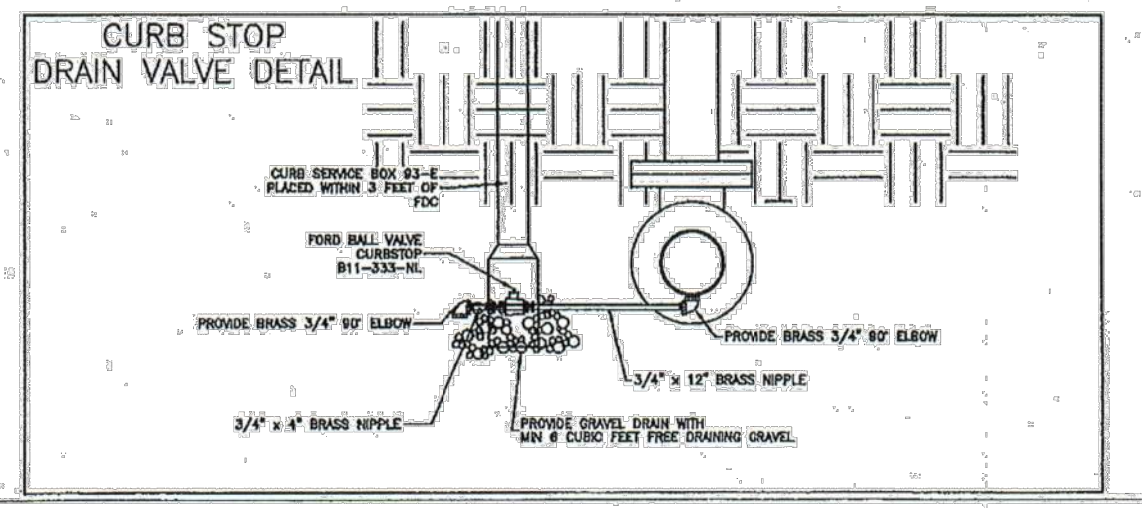
7

Plan 122

**FREE STANDING FIRE DEPARTMENT CONNECTION**  
NO SCALE

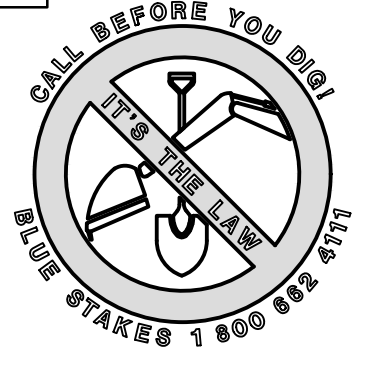


- LEGEND**
- FREE STANDING FIRE DEPARTMENT CONNECTION WITH KNOX CAPS.
  - IDENTIFICATION NAME PLATE.
  - 4" SCHEDULE 40 GALVANIZED PIPE OR PRE-APPROVED NFPA ACCEPTABLE EQUAL CORROSION RESISTANT ESCUTCHEON (IF IN CONCRETE).
  - 4" GALVANIZED PIPED BURIED BELOW GRADE TO BE TARRED AND WRAPPED OR PRE-APPROVED NFPA ACCEPTABLE EQUAL.
  - CEMENT THRUST BLOCK TO BE SIZED PER NFPA #24.
  - GRAVEL DRAIN FIELD TO BE SIZED TO BE ADEQUATELY ACCOMMODATE DRAINAGE. PROVIDE A MINIMUM OF 6 CUBIC FEET.
  - BALL VALVE CURB STOP DRAIN VALVE. LOCATED AT LOWEST POINT IN PIPING. SEE DETAIL.
  - 93-E CURB SERVICE BOX. SEE DETAIL.
  - RUN 4" NFPA APPROVED PIPING INTO BUILDING BELOW FOOTING AND UP THROUGH FLOOR. DO NOT RUN EXPOSED OUT THROUGH WALL.
- NOTES**
- INSTALL ROMAC SERVICE SADDLE 202NS OR PRE-APPROVED ACCEPTABLE EQUAL FOR CURB STOP CONNECTION TO C-900 DR14 PVC PIPE.
  - FDC TO BE LOCATED A MINIMUM DISTANCE OF 1.5 X HEIGHT OF BUILDING AS APPROVED BY LAYTON CITY FIRE DEPARTMENT (SEE CITE/CIVIL PLAN'S)
  - ALL CONNECTIONS AND MATERIALS TO BE PRESSURE TESTED TO 200psi FOR 2 HOURS AND WITNESSED BY THE LAYTON CITY FIRE PREVENTION DIVISION!
  - ALL BRASS FITTINGS TO BE "NO-LEAD" TYPE COMPLIANT WITH NSF 372.



**FIRE DEPARTMENT CONNECTION**

(E) VAR NTS



NO.	DATE	BY	REVISIONS

**HORIZON NEIGHBORHOOD PRUD**  
DETAILS

**TALISMAN**  
CIVIL CONSULTANTS

REGISTERED PROFESSIONAL ENGINEER  
 No. 7899506  
 YANIV CATHEY  
 STATE OF UTAH

SHEET NUMBER  
**6.00**

SCALE  
 VERTICAL: 1" = N/A  
 HORIZONTAL: 1" = N/A

JOB NUMBER  
**SLB0793**

DATE SUBMITTED: 07.14.17

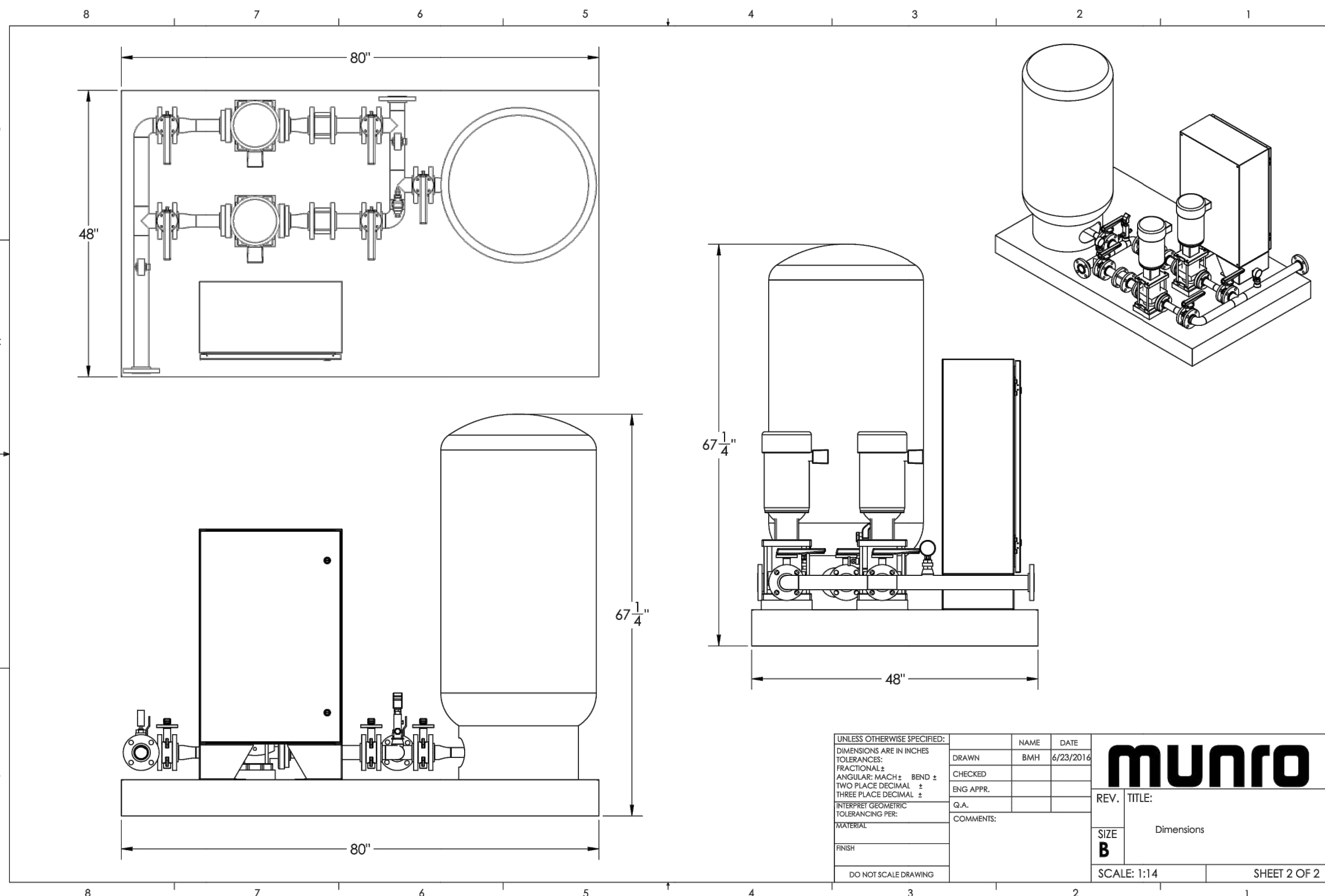
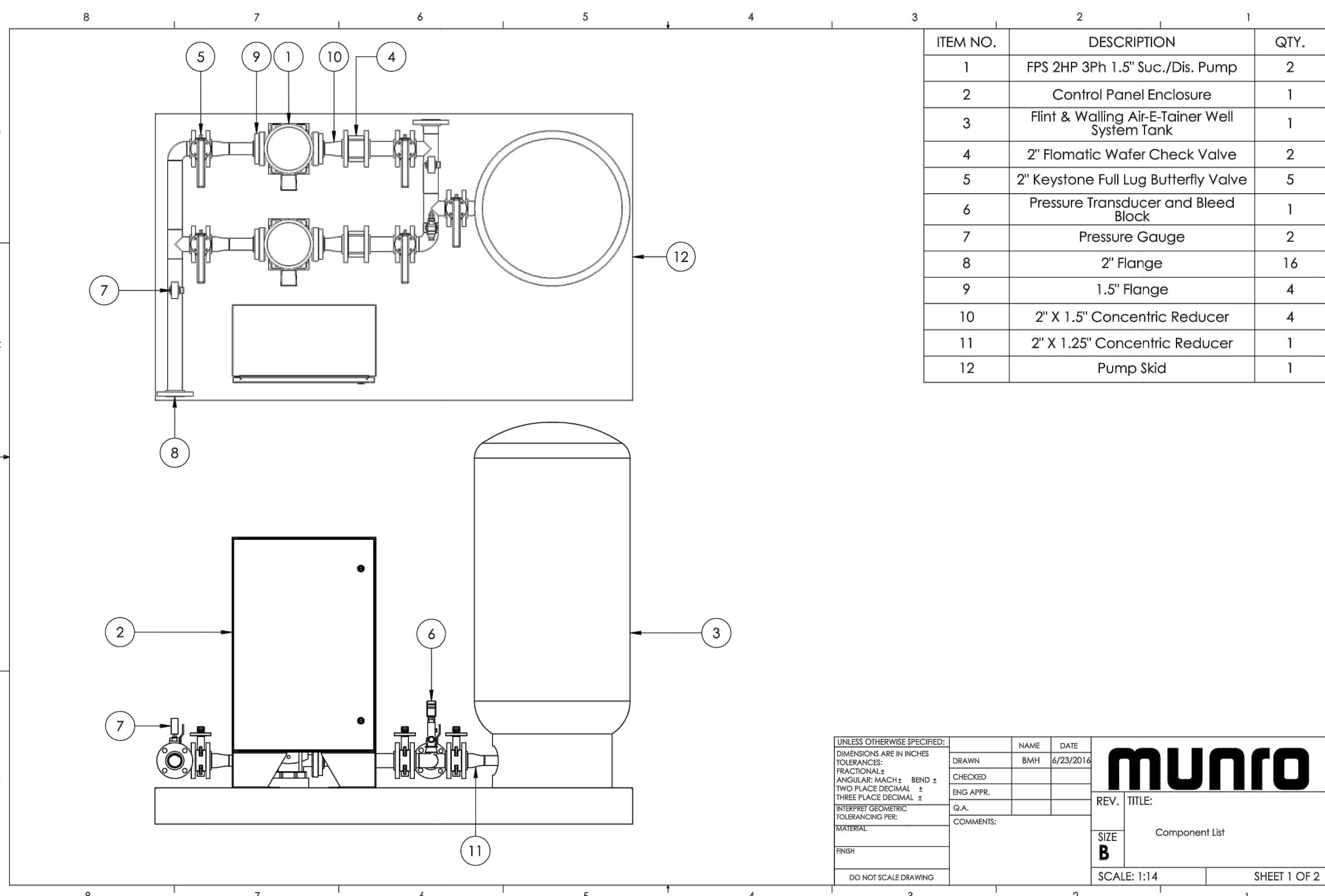
PREPARED FOR: SUMMIT POWDER MOUNTAIN

MURRAY, UT 84407

6217 SOUTH STATE STREET, SUITE 200  
 801743.8000 TEL. 801743.0800 FAX

JAMES B. XRECS:

DATE: 7/13/17 TIME: 6:25:05 PM DRAWING NAME: 601 - DETAILS.DWG  
 SERVER: NONE PAGE SETUP: PFD-C3D-24x36 LAYOUT: 1  
 PATH: N:\SLB0793\CAD\HORIZON VILLAGE VP DESIGNED: JMM REV: JMM  
 JAMES B. XERCES



**Pump Data Sheet - Franklin Electric**

Company: NVS  
 Name: \_\_\_\_\_  
 Date: 6/21/2016

**Pump:**  
 Size: SVR 2-8 stage  
 Type: Multi-Stage  
 Synch Speed: 3600 rpm  
 Curve: \_\_\_\_\_  
 Specific Speeds: \_\_\_\_\_  
 Dimensions: \_\_\_\_\_

**Search Criteria:**  
 Flow: 30 US gpm  
 Head: 85 ft  
 Fluid: Water  
 Density: 62.37 lb/ft<sup>3</sup>  
 Viscosity: 1.105 cP  
 NPSH<sub>req</sub>: \_\_\_\_\_  
 Temperature: 60 °F  
 Vapor Pressure: 0.2563 psi a  
 Atm Pressure: 14.7 psi a

**Motor:**  
 Standard: \_\_\_\_\_  
 Enclosure: \_\_\_\_\_  
 Sizing Criteria: none specified  
 Power: \_\_\_\_\_  
 Eye Area: \_\_\_\_\_

**Pump Limits:**  
 Temperature: \_\_\_\_\_  
 Pressure: \_\_\_\_\_  
 Sphere Size: \_\_\_\_\_

**Duty Point:**  
 Flow: 33.2 US gpm  
 Head: 104 ft  
 Eff: 54%  
 Power: 1.6 hp  
 NPSH<sub>r</sub>: 7.44 ft

**Design Curve:**  
 Shutoff Head: 162 ft  
 Shutoff GP: 70.2 psi  
 Min Flow: \_\_\_\_\_  
 BEP: 56.2% @ 26.3 US gpm  
 NOL Power: \_\_\_\_\_  
 1.7 hp @ 44 US gpm

**Max Curve:**  
 Max Power: 4.49 hp @ 44 US gpm

**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
36	3450	93.1	52	1.63	10.5
30	3450	113	55	1.54	5.74
24	3450	129	55	1.41	3.52
18	3450	141	51	1.26	2.74
12	3450	150	43	1.05	2.62

Selected from catalog: FECentrifugal 60 Vers: 1.3

**FW019 0616 Supersedes 0416**

**AIR-E-TAINER® WELL SYSTEM TANKS**

- Inline tanks pre-charged for 30-50 pressure switch - Vertical tanks pre-charged for either 30 - 50 or 40 - 60 Pressure switch
- 100 PSI maximum working pressure
- Powder-coated exterior and interior
- Butyl rubber parabolic diaphragm
- 5 year Limited Warranty

**Vertical Tanks**  
 132661 138875  
 132662 135450  
 131009 135517  
 132477 136676

**AIR-E-TAINER® PRE-PRESSURIZED WELL SYSTEM TANKS**

Part No.	Total Tank Vol. Gallons	Drawdown - Gallons by PSI Settings**	Approx. Size In. Dia x Ht	Ship Wt Lbs	NPT Size MTL	Factory Precharge PSIG	Max Working Pressure (PSI)	Max Working Temp		
131009	2	0.7	0.8	40/60	8-14 x 10-15	5	3/4" M	23	100	140
132477	4.6	1.6	1.4	11 x 14-3/4	9	3/4" M	28	100	140	140
132661	14	5.2	4.3	3.7	15-3/8 x 24-3/4	25.5	1" F	38	100	200
132662	20	7.4	6.2	5.4	15-3/8 x 32-1/4	30	1" F	38	100	200
132663	36	13.3	11.1	9.7	20 x 38-5/8	45	1" F	38	100	200
132517	52	19.2	16.1	14	23-3/8 x 38-5/8	77	1-1/4" F	38	100	200
132675	66	23.9	20	17.5	23-3/8 x 48-3/8	87	1-1/4" F	38	100	200
135460	86	31.8	26.7	23.2	23-3/8 x 50	105	1-1/4" F	38	100	200
136676	119.5	44	37	32	26 x 61-1/4	165	1-1/4" F	38	100	200

\*\*In keeping with current industry standards, drawdown factors are based on Boyle's law. Actual drawdowns will vary depending upon system variables, including the accuracy and operation of the pressure switch and gauge and operating temperature of the system.  
 Caution: Install a pressure relief valve on any installation where the pump pressure can exceed the tank's maximum working pressure.  
 NOTE: Pre-charged tanks cannot ship via air freight.

**MULTI-STAGE PUMPS VERTICAL VR SERIES**

**FPS**

**DIMENSIONS SVR PUMP END AND MOTOR**

**Pump End Dimensions (in)**

Stages	HP	LF FT	Model No.
2	1	13.49	SVR2-60 N
3	1.5	14.44	SVR3-60 N
4	2	14.99	SVR4-60 N
5	3	15.93	SVR5-60 N
6	3	17.29	SVR6-60 N
7	5	18.25	SVR7-60 N
8	5	19.19	SVR8-60 N

**Pump End Dimensions (in)**

Stages	HP	LF FT	Model No.
9	5	20.14	SVR9-60 N
10	5	21.08	SVR10-60 N
11	7.5	21.54	SVR11-60 N
12	7.5	22.48	SVR12-60 N
13	7.5	23.43	SVR13-60 N
14	7.5	24.37	SVR14-60 N
15	7.5	25.31	SVR15-60 N

**Motor Dimensions (in)**

Phase	HP	Frame	Standard Efficiency TEFC			Premium Efficiency TEFC			Phase	Standard Efficiency TEFC			Premium Efficiency TEFC					
			Volts	L2	M	D1	Volts	L2		M	D1	Volts	L2	M	D1			
1	1	56C	112.2	5.06	6.19	N/A	N/A	N/A	N/A	11.35	5.19	6.19	11.35	5.19	6.19			
			17.72	5.06	6.2	N/A	N/A	N/A	N/A	11.97	5.19	6.19	11.97	5.19	6.19			
			13.22	5.06	6.2	N/A	N/A	N/A	N/A	12.85	5.19	6.19	12.85	5.19	6.19			
3	2	56C	13.41	5.61	7.86	N/A	N/A	N/A	N/A	13.41	5.61	7.86	13.41	5.61	7.86			
			16.55	5.61	8.92	208-230/460	15.62	6.75	8.5	208-230/460	16.55	6.87	8.5	N/A	N/A	N/A		
			16.55	6.87	8.6	208-230/460	15	6.75	8.5	208-230/460	18.05	6.87	8.5	N/A	N/A	N/A		
3	15	56C	12.72	5.06	6.19	N/A	N/A	N/A	N/A	12.72	5.06	6.19	12.72	5.06	6.19			
			17.72	5.06	6.2	N/A	N/A	N/A	N/A	17.72	5.06	6.2	17.72	5.06	6.2			
			13.22	5.06	6.2	N/A	N/A	N/A	N/A	13.22	5.06	6.2	13.22	5.06	6.2			
3	7.5	56C	16.55	5.61	8.92	208-230/460	15.62	6.75	8.5	208-230/460	16.55	6.87	8.5	208-230/460	15	6.75	8.5	208-230/460
			16.55	6.87	8.6	208-230/460	15	6.75	8.5	208-230/460	18.05	6.87	8.5	N/A	N/A	N/A		
			16.55	6.87	8.6	208-230/460	15	6.75	8.5	208-230/460	18.05	6.87	8.5	N/A	N/A	N/A		

NOTE: Dimensions for round flange units are for estimating purposes only.

**AIR-E-TAINER® WELL SYSTEM TANKS**

**Air-E-Tainer® Features**

- AIR CHARGE VALVE**
  - Conveniently located for easy pressure adjustment
  - Projection-welded for durability
- DESIGNER FINISH**
  - High gloss exterior powder coat
  - Provides positive protection against corrosion and UV rays
- BUTYL RUBBER PARABOLIC DIAPHRAGM**
  - Eliminates rubbing on the tank wall or rolling over on itself
- STEEL SHELL**
- STEEL RETAINING RING**
- POWDER-COATED WATER CHAMBER**
  - Proven protection against internal corrosion
- CORROSION-RESISTANT BASE**
  - High-impact polymer material
  - Strong and stable for long life
  - Base rotates for easy alignment to pipe connection
  - Slotted and noted for air flow, reduced condensation build-up

**Standard 40/60 PSI System**

These illustrations show the operation of the Air-E-Tainer® tank in a typical 30/50 pressure range.

A. Tank is pre-pressurized with air at the factory.  
 B. When pump starts, water enters the reservoir. At 50 psig, system is filled. Pump shuts off.  
 C. When water is demanded, pressure in the air chamber forces water into the system. Pump turns on.  
 D. When pressure in tank drops to pressure switch cut-in point (30 psig), pump refills the tank as in illustration B.

Flint & Walling | 95 North Oak Street | Kendallville, IN 46755  
 800-345-9422 | www.flintandwalling.com

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HORIZON NEIGHBORHOOD PRUD BOOSTER PUMP DETAILS

DATE SUBMITTED: 07.14.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

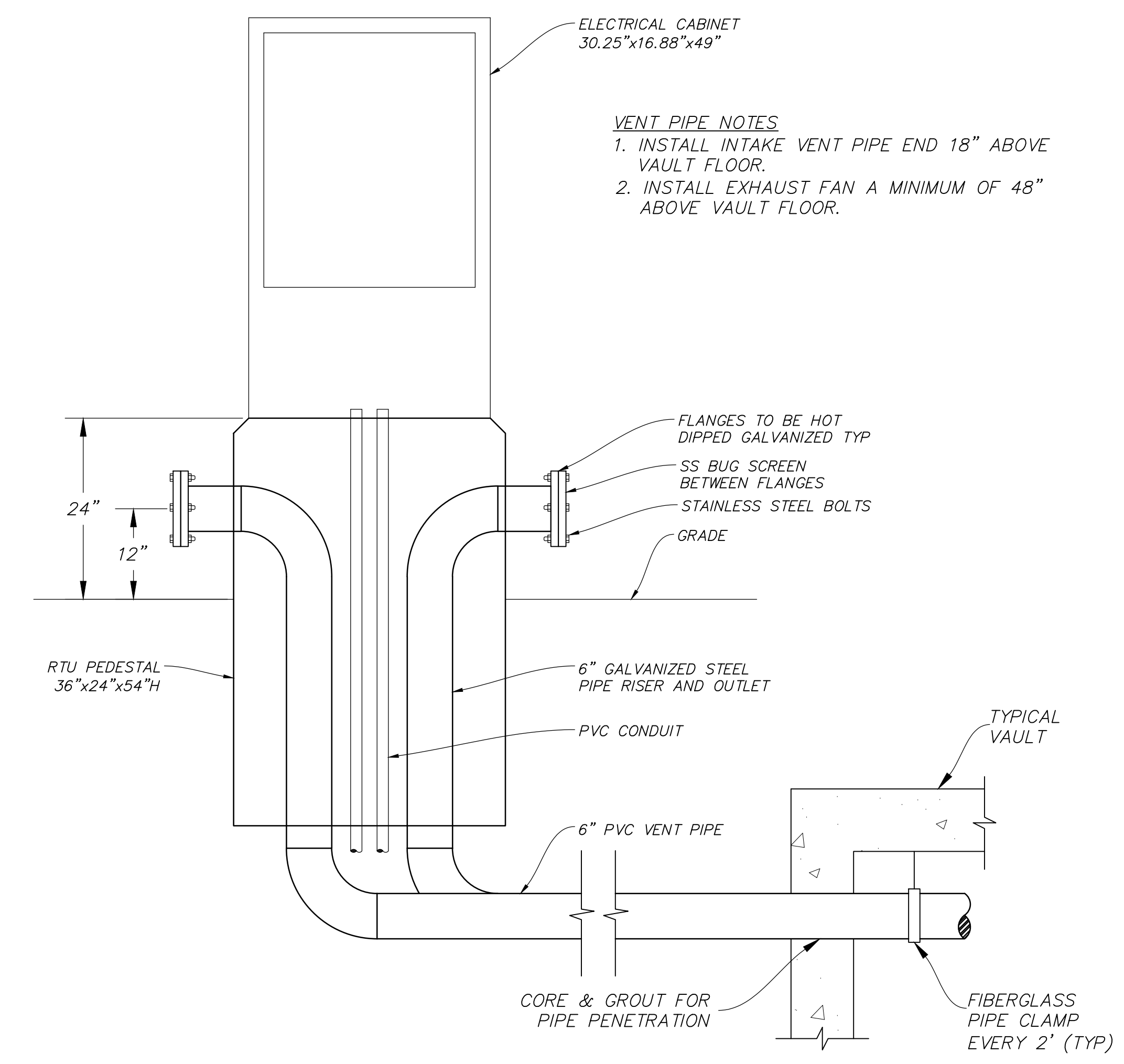
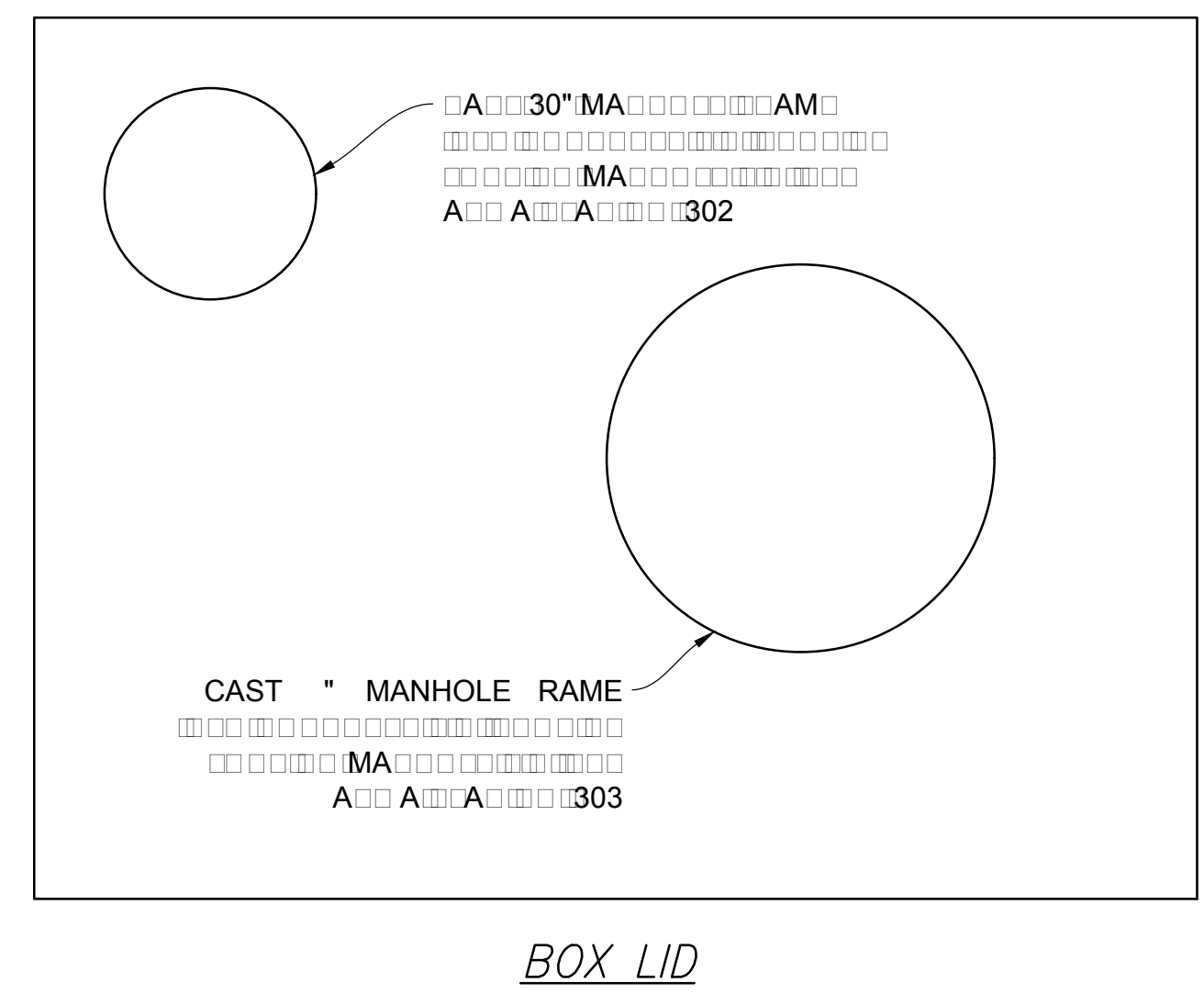
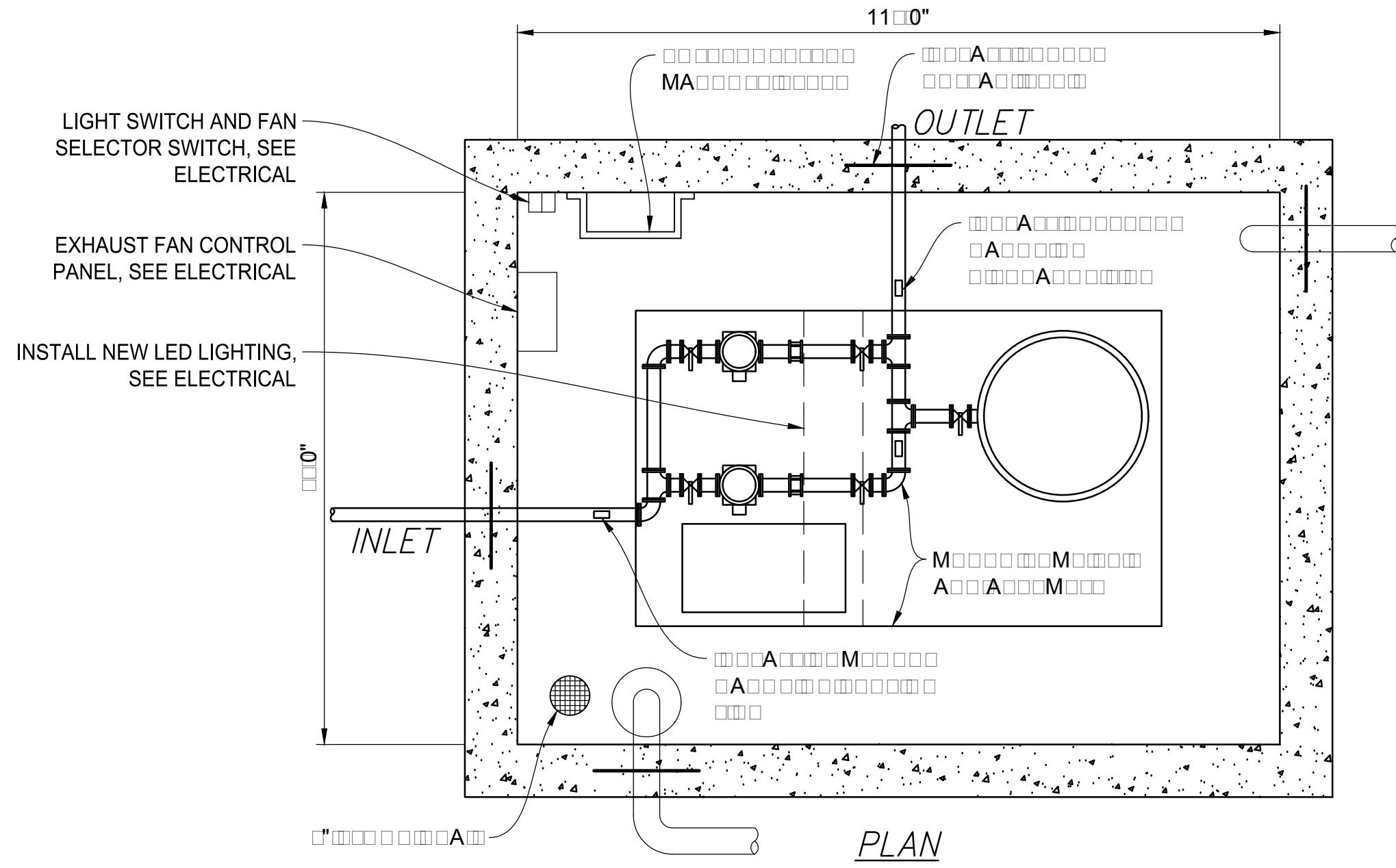
**TALISMAN CIVIL CONSULTANTS**  
 MURRAY, UT 84407  
 5217 SOUTH STATE STREET, SUITE 200  
 801743.8000 TEL. 801743.0800 FAX

REGISTERED PROFESSIONAL ENGINEER  
 No. 7899506  
 RYAN W. CATHEY  
 STATE OF UTAH

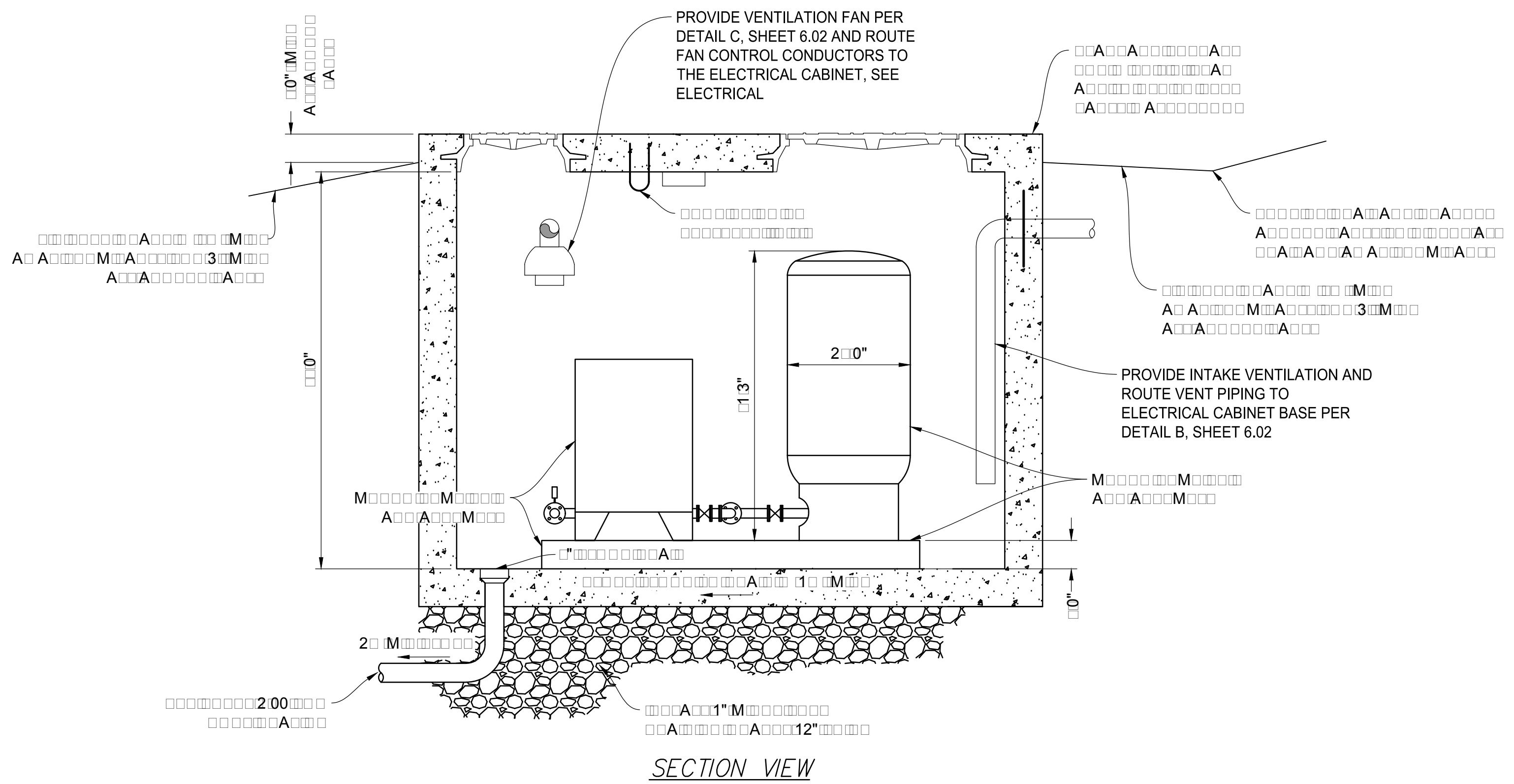
SHEET NUMBER  
**6.01**

SCALE  
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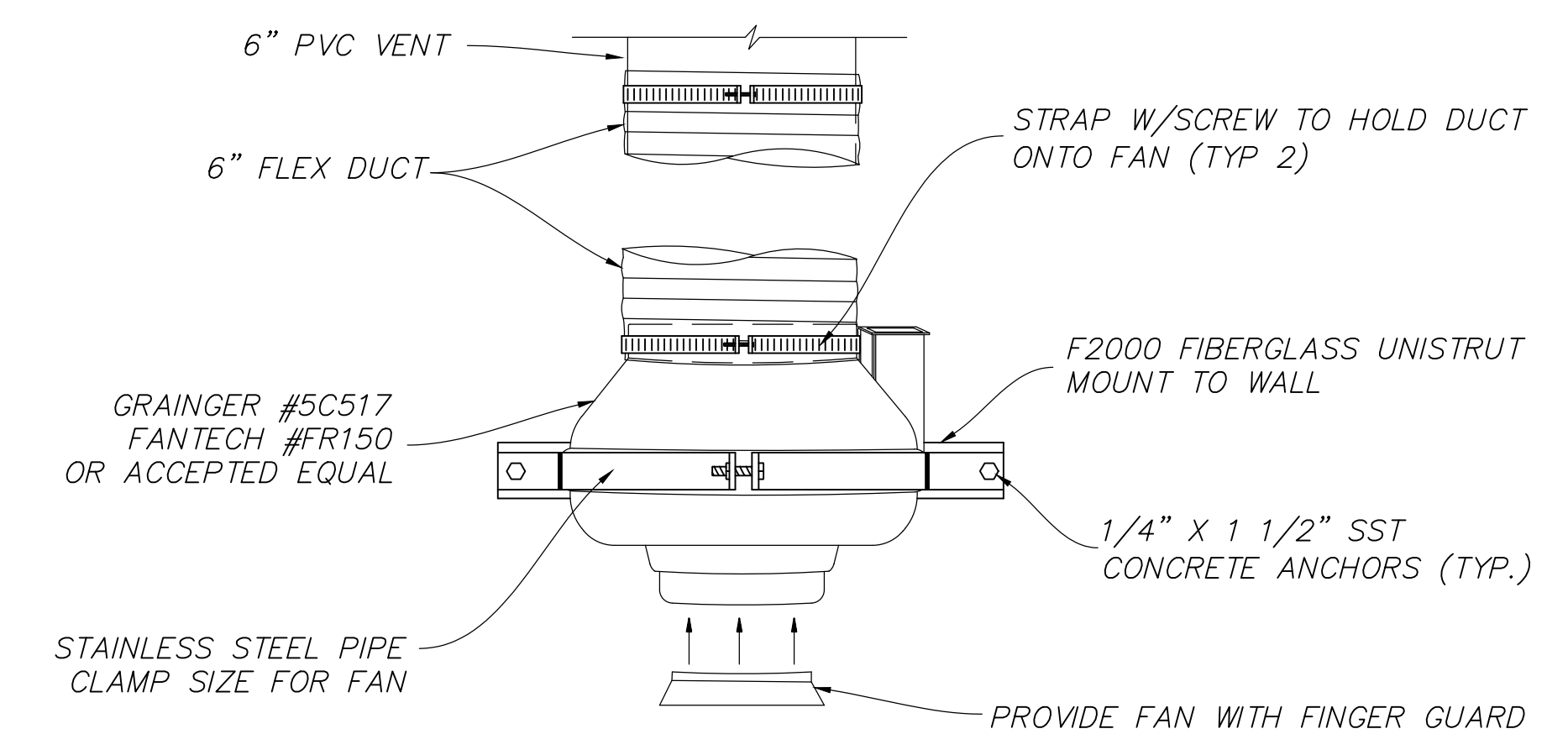
JOB NUMBER  
**SLB0793**



**B ELECTRICAL PEDESTAL DETAIL**  
 NOT TO SCALE



**A BOOSTER PUMP VAULT**  
 NOT TO SCALE



**C FAN DETAIL**  
 NOT TO SCALE

**HORIZON NEIGHBORHOOD PRUD  
 BOOSTER PUMP DETAILS**

**TALISMAN**  
 CIVIL CONSULTANTS  
 MURRAY, UT 84007  
 6217 SOUTH STATE STREET, SUITE 200  
 801743.8000 TEL. 801743.0800 FAX

REGISTERED PROFESSIONAL ENGINEER  
 No. 7899506  
 KATHY  
 CATHEY  
 STATE OF UTAH

SHEET NUMBER	<b>6.02</b>
SCALE	VERTICAL: 1" = N/A HORIZONTAL: 1" = N/A
JOB NUMBER	<b>SLB0793</b>



**OPTIONS :**  DH071 (HARD WIRED LEVEL CONTROLS)  
 DR071 (WIRELESS LEVEL CONTROLS)

FIELD JOINT REQUIRED FOR MODELS DH071-129 / DR071-129 & DH071-160 / DR071-160

GASKETED LID, HDPE  
 STRAIN RELIEF CORD CONNECTOR  
 PROTECTIVE CABLE SHROUD (HDPE)  
 POWER/ALARM CABLE 12-6 W/GND.  
 E/ONE EQUALIZER  
 INTERNAL WELL VENT 2.0" DIA.  
 INLET, GROMMET TO ACCEPT 4.50" O.D. PVC PIPE (STANDARD). DUST COVER SUPPLIED FOR SHIPMENT (NOT SUITABLE FOR BURIAL).  
 ALARM ON OFF  
 DISCHARGE 1-1/4" FPT  
 1-1/4" DISCHARGE LINE (304 S.S.)  
 CHECK VALVE (NORYL)  
 ANTI-SIPHON VALVE (NORYL)  
 HDPE TANK, CORRUGATED 70 GALLON CAPACITY  
 SEMI-POSITIVE DISPLACEMENT TYPE PUMP, EACH DIRECTLY DRIVEN BY A 1 HP MOTOR

41.6 in 1067 mm TO DISCHARGE  
 38.0 in 914 mm TO INLET  
 26 in 650 mm  
 18 in 447 mm  
 32 gal. 121 L  
 14 in 345 mm  
 24 gal. 91 L  
 29.5 DIA in 749 mm

UL NSF SP

AD	CH	10/20/10	D	
DR BY	CHK'D	DATE	ISSUE	SCALE

**eone** SEWER SYSTEMS  
 MODEL DH071 / DR071  
 DETAIL SHEET  
 NA0050P02

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTION FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

**OPTIONS :**  DH071-124 (HARD WIRED LEVEL CONTROLS)  
 DR071-124 (WIRELESS LEVEL CONTROLS)

GRADE MUST SLOPE AWAY FROM STATION  
 GRADE  
 GRADE  
 76" COVER OVER DISCH  
 84" INVERT DEPTH  
 123.3"  
 41.8"  
 36.0"  
 DISCHARGE: 1-1/4" FEMALE PIPE THREAD  
 Ø 29.5"  
 INLET: GROMMET FOR 4" DWV PIPE (STANDARD)

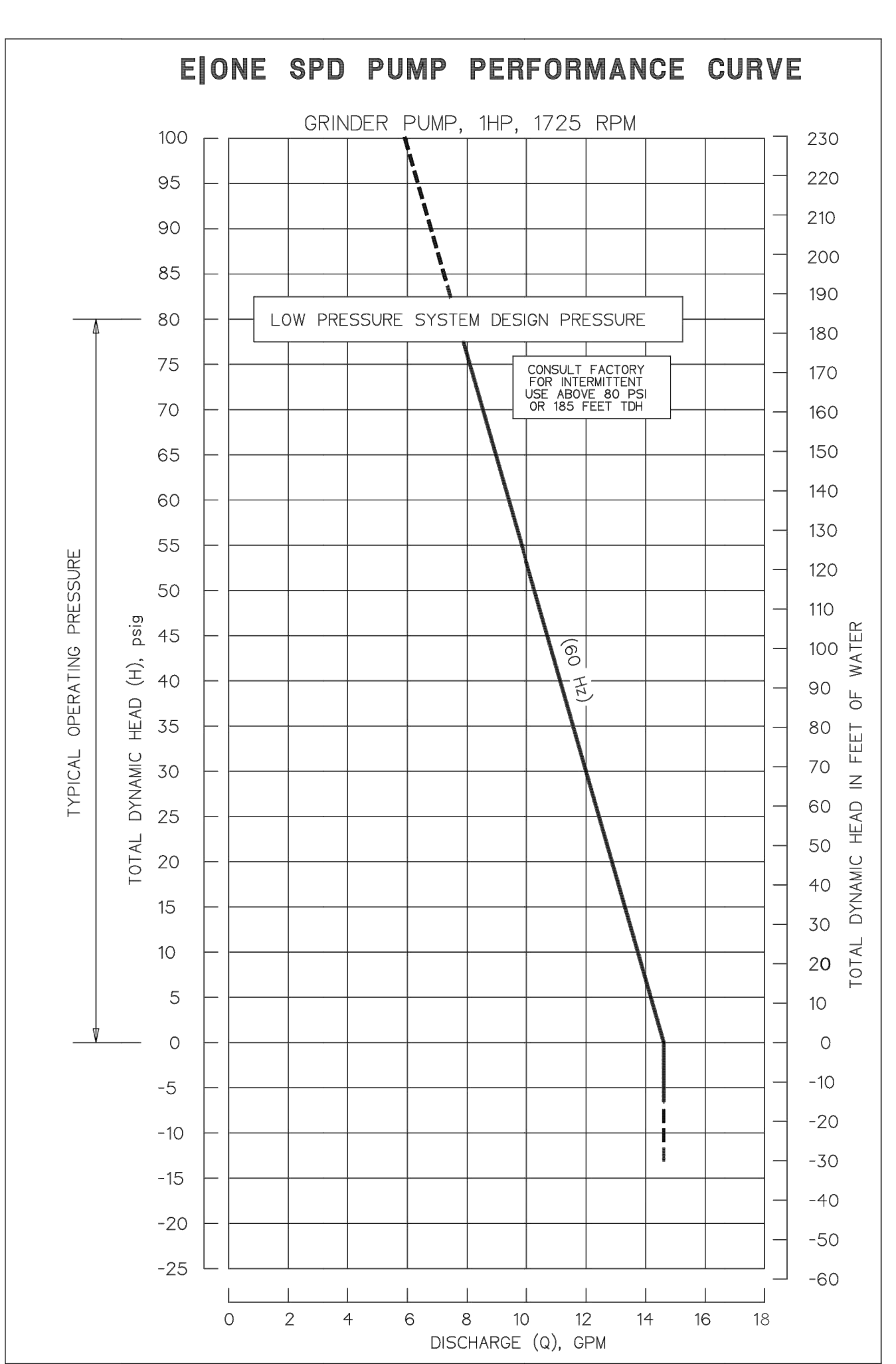
CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY

UL NSF SP

AD	CAH	07/13/07	B	1/18
DR BY	CHK'D	DATE	ISSUE	SCALE

**eone** SEWER SYSTEMS  
 MODEL DH071-124 / DR071-124  
 NA0050P07



**OPTIONS :**  DH151 (HARD WIRED LEVEL CONTROLS)  
 DR151 (WIRELESS LEVEL CONTROLS)

FIELD JOINT REQUIRED FOR MODELS DH151-129 / DR151-129 & DH151-160 / DR151-160

GASKETED LID, HDPE  
 STRAIN RELIEF CORD CONNECTOR  
 PROTECTIVE CABLE SHROUD (HDPE)  
 POWER/ALARM CABLE 6 CONDUCTOR W/GND  
 E/ONE EQUALIZER  
 INTERNAL WELL VENT 2.0" DIA.  
 INLET, GROMMET TO ACCEPT 4.50" O.D. PVC PIPE (STANDARD). DUST COVER SUPPLIED FOR SHIPMENT (NOT SUITABLE FOR BURIAL).  
 ALARM ON OFF  
 DISCHARGE 1 1/4" FPT  
 1 1/4" DISCHARGE LINE (304 S.S.)  
 CHECK VALVE (NORYL)  
 ANTI-SIPHON VALVE (NORYL)  
 HDPE TANK, NOMINAL WALL THICKNESS 150 GALLON CAPACITY  
 SEMI-POSITIVE DISPLACEMENT TYPE PUMP DIRECTLY DRIVEN BY A 1 HP MOTOR

43.9 in 1115 mm  
 38.4 in 975 mm  
 29 in 737 mm  
 17 in 432 mm  
 21 in 534 mm  
 66 gal 250 L  
 84 gal 318 L  
 116 gal 439 L  
 38.8 in 984 mm

UL NSF SP

AD	CH	10/20/10	D	
DR BY	CHK'D	DATE	ISSUE	SCALE

**eone** SEWER SYSTEMS  
 MODEL DH151 / DR151  
 DETAIL SHEET  
 NA0051P02

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

**OPTIONS :**  DH151-129 (HARD WIRED LEVEL CONTROLS)  
 DR151-129 (WIRELESS LEVEL CONTROLS)

GRADE MUST SLOPE AWAY FROM STATION  
 GRADE  
 GRADE  
 78" COVER OVER DISCH  
 86" INVERT DEPTH  
 127.1"  
 43.9"  
 38.4"  
 DISCHARGE: 1-1/4" FEMALE PIPE THREAD  
 Ø 38.8"  
 INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)

DETAIL, FIELD JOINT  
 SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY

UL NSF SP

AD	CAH	07/13/07	C	1/18
DR BY	CHK'D	DATE	ISSUE	SCALE

**eone** SEWER SYSTEMS  
 MODEL DH151-129 / DR151-129  
 NA0051P07

**SIMPLEX SENTRY**

REDUNDANT RUN (HIGH LEVEL)  
 EXTERNAL VISUAL & AUDIBLE ALARM  
 EXTERNAL LATCHING MANUAL SILENCE  
 MANUAL RUN  
 PUMP RUN INDICATOR  
 CONFORMAL COATED CIRCUIT BOARD  
 PADLOCK  
 NEMA 4X ENCLOSURE ASSEMBLY  
 CORROSION PROOF THERMOPLASTIC POLYESTER APPROVED BY UL FOR ELECTRICAL CONTROL ENCLOSURE

15.42  
 11.55  
 13.84

OPTIONS:  
 ALARM CONTACTS  
 HOUR METER

TO PUMP  
 PUMP POWER  
 MANUAL RUN  
 ALARM RETURN

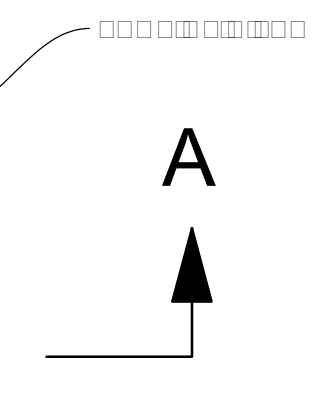
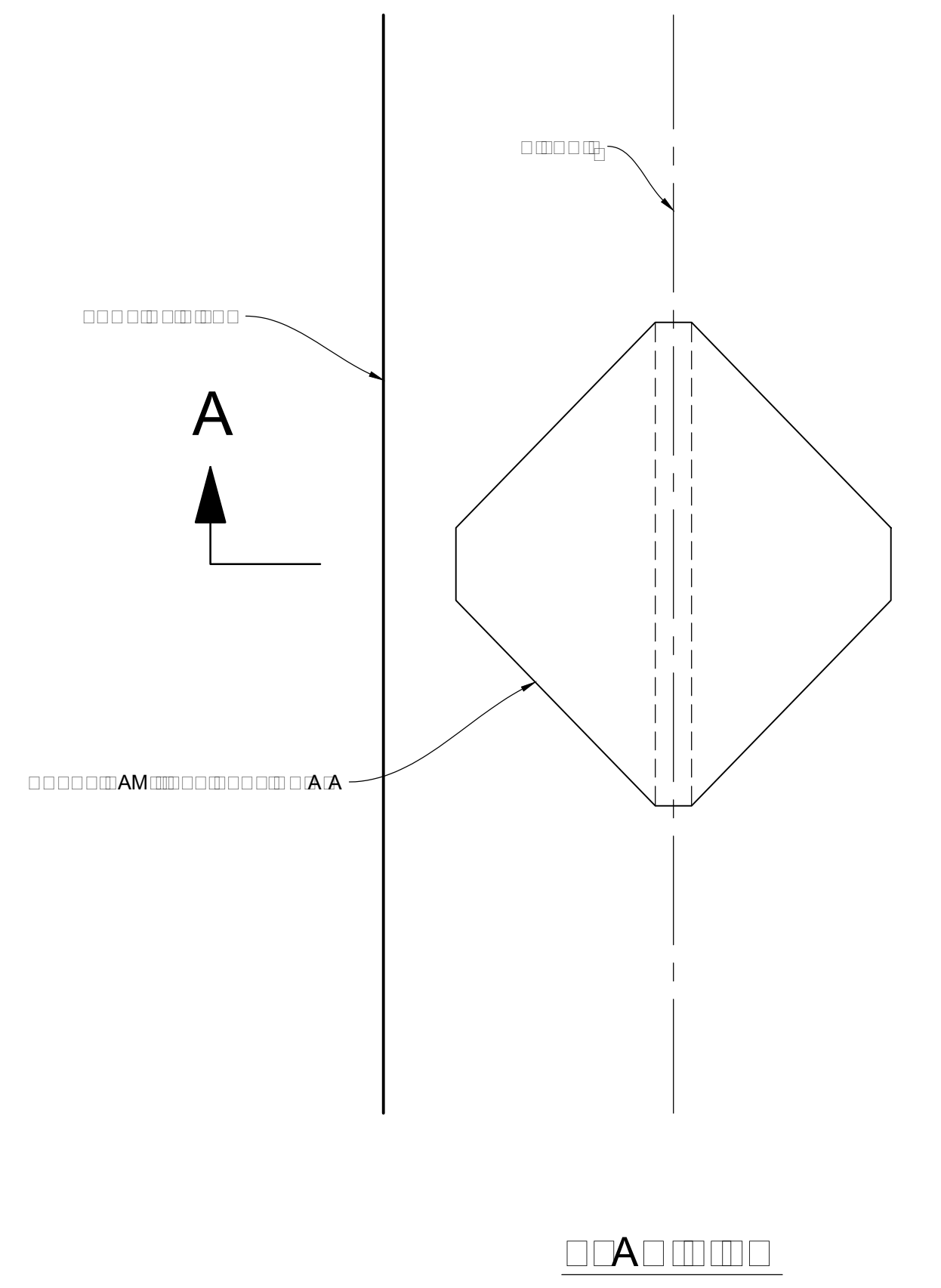
CE UPC® ASME A112.3.4  
 LR28268 LISTED 500D

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DR BY	CHK'D	DATE	ISSUE	SCALE

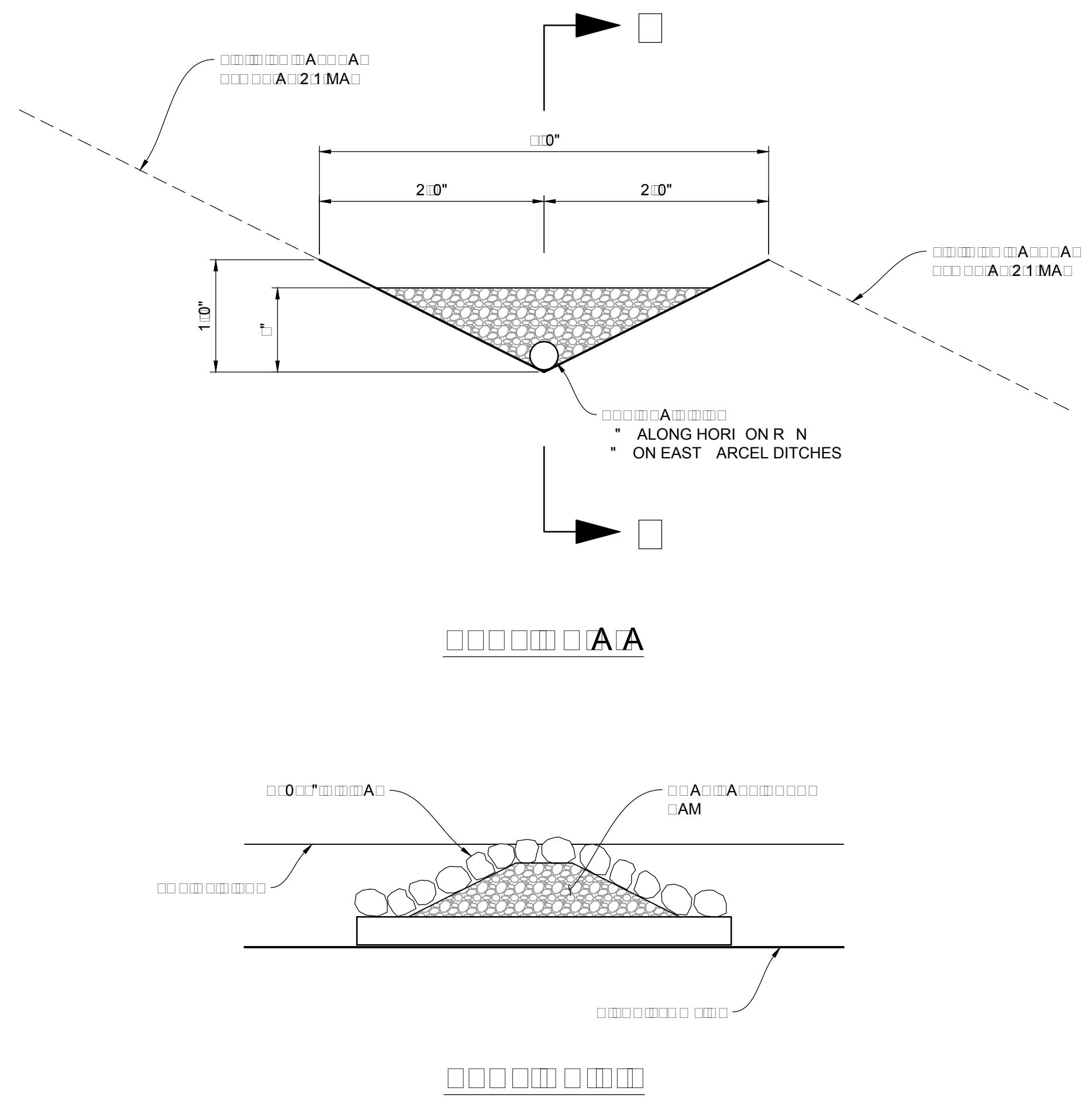
**eone** SEWER SYSTEMS  
 SIMPLEX SENTRY, 120V 60Hz.  
 SINGLE POLE POWER  
 LM000327

CONTROL CABLE:  
 TYPE 1C: DIRECT BURIAL, 12AWG, SIX CONDUCTOR

PI/N FUNCTION 2000S EXTREME  
 1 MANUAL RUN RED BROWN  
 2 L1 BLACK RED  
 3 N WHITE BLACK  
 4 L2 GREEN BROWN  
 5 ALARM FEED ORANGE YELLOW  
 6 ALARM RETURN BLUE BLUE



**CHECK DAM DETAIL**  
 VAR NTS

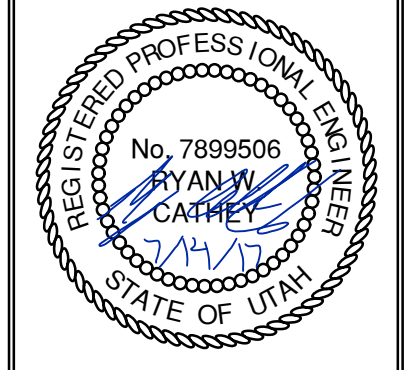


NO.	BY	DATE	REVISIONS

The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. Any such changes or uses must be approved by the preparer of these plans.  
**CAUTION**

# HORIZON NEIGHBORHOOD PRUD DETAILS

**TALISMAN**  
 CIVIL CONSULTANTS  
 MURRAY, UT 84107  
 6217 SOUTH STATE STREET, SUITE 200  
 801743.8000 TEL. 801743.0900 FAX



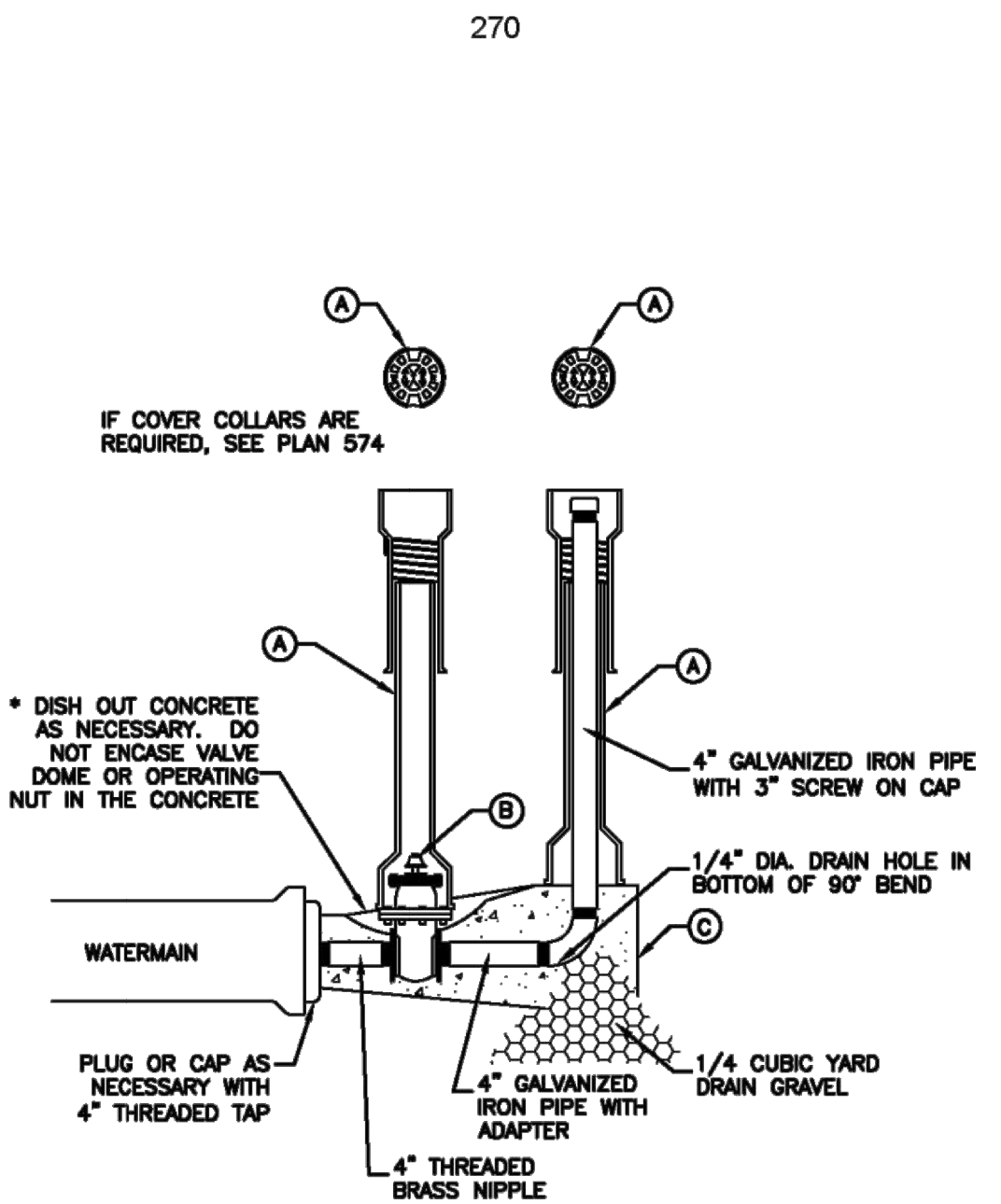
SHEET NUMBER  
**6.04**  
 SCALE  
 VERTICAL: 1" = N/A  
 HORIZONTAL: 1" = N/A  
 JOB NUMBER  
**SLB0793**

DATE SUBMITTED: 07.14.17

PREPARED FOR: SUMMIT POWDER MOUNTAIN

4" washout valve

1. GENERAL
  - A. Before backfilling, secure inspection of installation by ENGINEER.
  - B. Water mains 12-inches and larger will require a special washout assembly design.
2. PRODUCTS
  - A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
  - B. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
  - C. Concrete: Class 4000, APWA Section 03 30 04.
3. EXECUTION
  - A. Pour concrete against undisturbed soil.
  - B. Apply tape wrap to the exterior of all galvanized pipe per AWWA C209.
  - C. Place plastic sheet at least 6 mils thick over drain gravel to prevent silting.
  - D. After installation of washout valve assembly, verify the washout valve riser drains to gravel.
  - E. Backfill and Base Course Placement: Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater of a modified proctor density, APWA Section 31 23 26.



LEGEND		
No.	ITEM	DESCRIPTION
(A)	VALVE BOX WITH LID	2 PIECE CAST IRON
(B)	4" GATE VALVE WITH SCREW ENDS	2" x 2" OPERATING NUT
(C)	CONCRETE THRUST BLOCK	PLAN 561

4" Washout valve

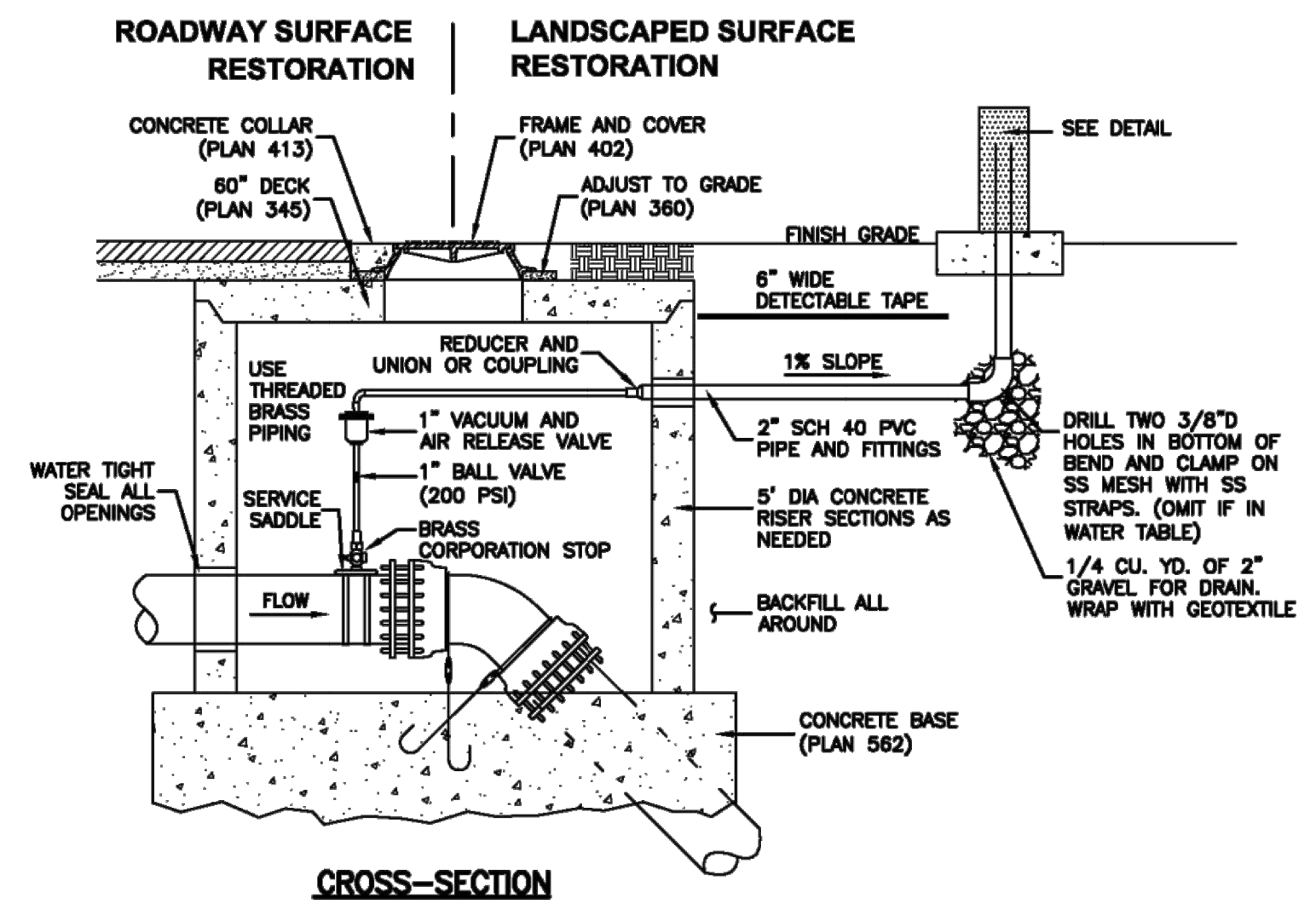
Plan 571

February 2011

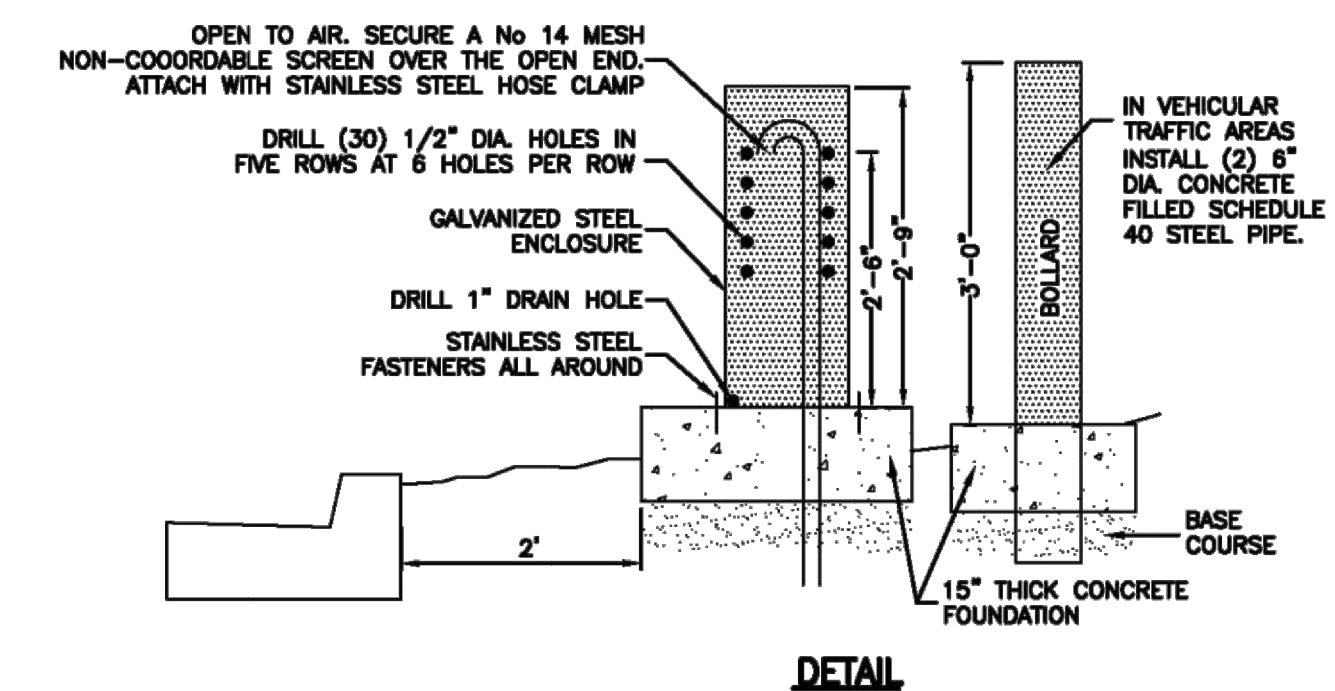
271

Air release assembly

1. GENERAL
  - A. This drawing detail is applicable to water main piping less than 16-inches diameter.
  - B. PCCP, steel, MLAC and other water main pipe materials will require special detail or design drawings. Submit the design and detail drawings and materials to the ENGINEER for review before installation.
  - C. Installation in areas of high ground water or potential for water entering the vent pipe will require a special design to be provided by the ENGINEER.
  - D. Before backfilling around the assembly, secure inspection of installation by ENGINEER.
2. PRODUCTS
  - A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
  - B. Drain Gravel: Sewer rock, ASTM size no. 3 (2" to 1") or equal, APWA Section 31 05 13.
  - C. Backfill: Common fill, APWA Section 31 05 13. Maximum particle size 2-inches.
  - D. Concrete: Class 4000, APWA Section 03 30 04.
  - E. Manhole: Riser, ASTM C 478.
  - F. Reinforcement: Deformed, steel, ASTM A 615. Give bars an epoxy coating at least 15 mils thick. Minimum stress yield strength of steel tie-down bars is 70,000 ksi.
  - G. Small Fittings: Brass. Do not use galvanized materials.
  - H. PVC Pipe and Fittings: Schedule 40, APWA Section 33 05 07.
  - I. Water Tight Wall Seal: Waterproof, compressible.
3. EXECUTION
  - A. Base Course and Backfill Placement: Maximum lift thickness is 8-inches before compaction. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
  - B. Apply tape wrap to the exterior of all buried steel pipe per AWWA C209.
  - C. Concrete Placement: APWA Section 03 30 10. Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
  - D. Service saddle is required on all PVC and AC pipe taps unless specified otherwise. Ductile iron and cast iron pipe may be direct tapped.
  - E. Seal manhole joints water-tight and ground flush with interior wall.
  - F. Follow applicable AWWA and NSF standards when connecting piping.
  - G. If diameter of air relief valve is greater than 2-inches, provide piping to match its diameter from water main connection to open to air.



CROSS-SECTION



DETAIL

Air release assembly

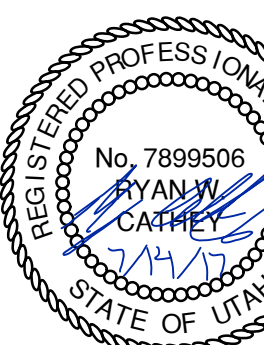
Plan 575

February 2011

279

HORIZON NEIGHBORHOOD PRUD  
 DETAILS

TALISMAN  
 CIVIL CONSULTANTS



SHEET NUMBER  
 6.05

SCALE  
 VERTICAL: 1" = N/A  
 HORIZONTAL: 1" = N/A

JOB NUMBER  
 SLB0793

NO. BY DATE REVISIONS

DATE SUBMITTED: 07.14.17

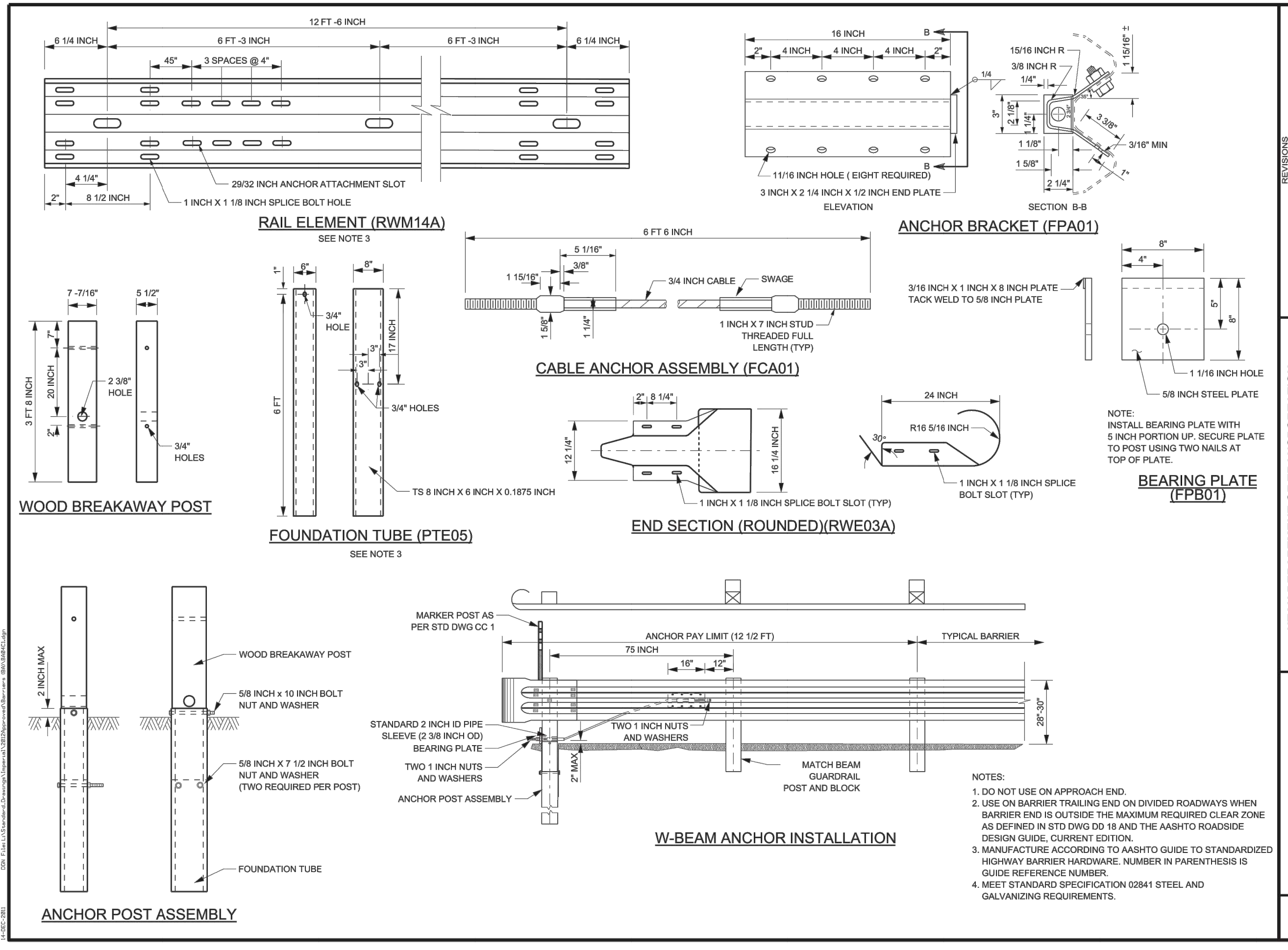
PREPARED FOR: SUMMIT POWDER MOUNTAIN

MURRAY, UT 84407

5217 SOUTH STATE STREET, SUITE 200  
 801743.8800 TEL. 801743.0800 FAX





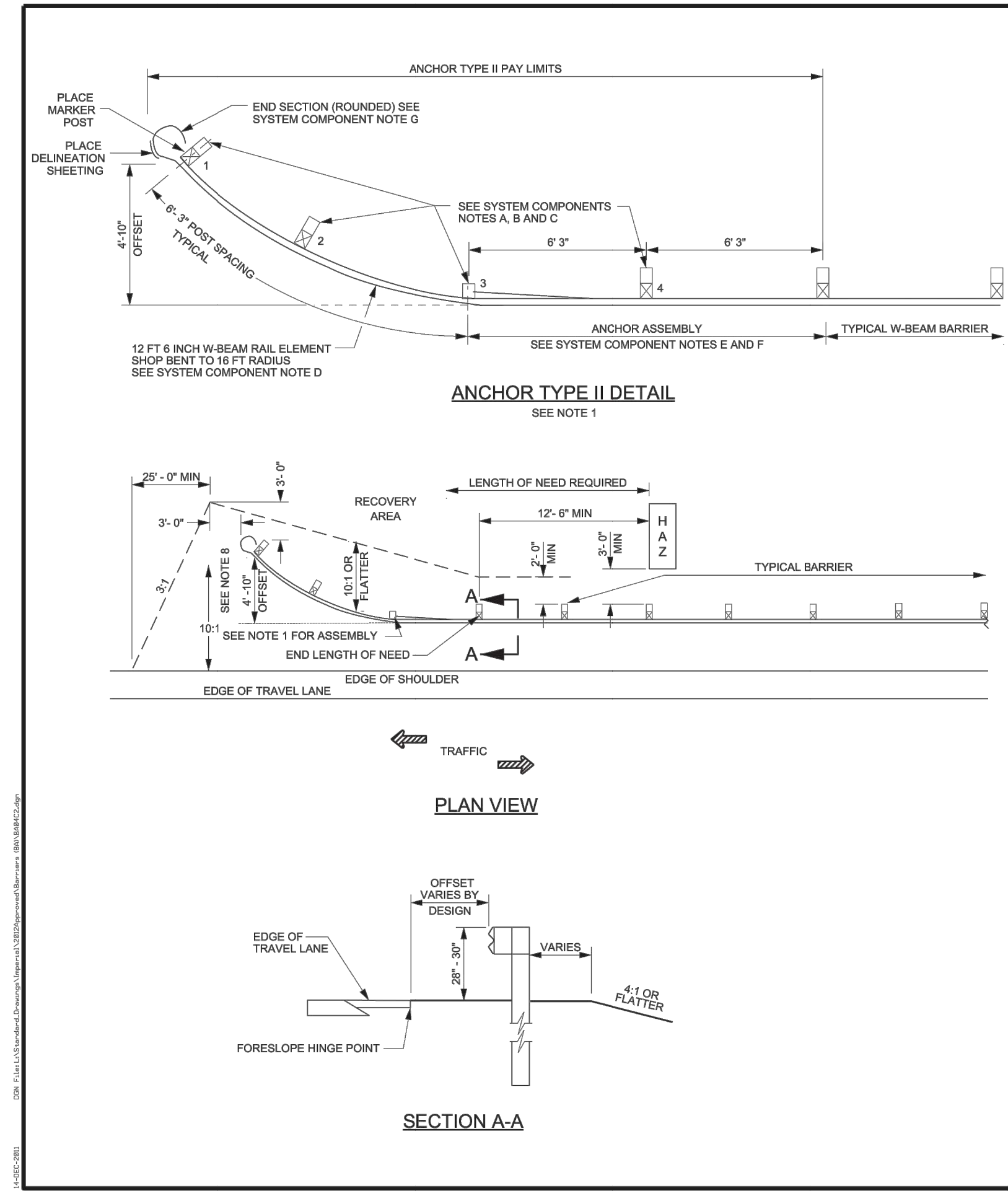


REVISIONS

NO.	DATE	DESCRIPTION

UTAH DEPARTMENT OF TRANSPORTATION  
 STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION  
 SALT LAKE CITY, UTAH  
 RECOMMENDED FOR UTAH  
 JANUARY 2012  
 CHAIRMAN: STANLEY L. JOHNSON  
 APPROVED: [Signature]  
 COUNTY DIRECTOR

W-BEAM GUARDRAIL ANCHOR TYPE I  
 STD. DWG. NO. BA 4C1



SYSTEM COMPONENTS:

- USE FOUNDATION TUBES, ACCORDING TO STD DWG BA 4C1, AT POSTS 1, 2, AND 3.
- USE SHORTENED WOOD BREAKAWAY POST, ACCORDING TO STD DWG BA 4C1, AT POSTS 1, 2, AND 3.
- DO NOT INSTALL BLOCK AT POST 3.
- USE TYPICAL POST AND BLOCK AT POST 4.
- USE 12 FT 6 INCH RAIL, SHOP BENT TO A 16 FT RADIUS BETWEEN POSTS 1 AND 3.
- USE 12 FT 6 INCH ANCHOR RAIL ELEMENT, ACCORDING TO STD DWG BA 4C1, BETWEEN POSTS 3 AND END OF TYPICAL BARRIER RUN.
- USE ANCHOR BLOCK AND CABLE ASSEMBLY, ACCORDING TO STD DWG BA 4C1.
- USE ROUNDED END SECTION ACCORDING TO STD DWG BA 4C1.

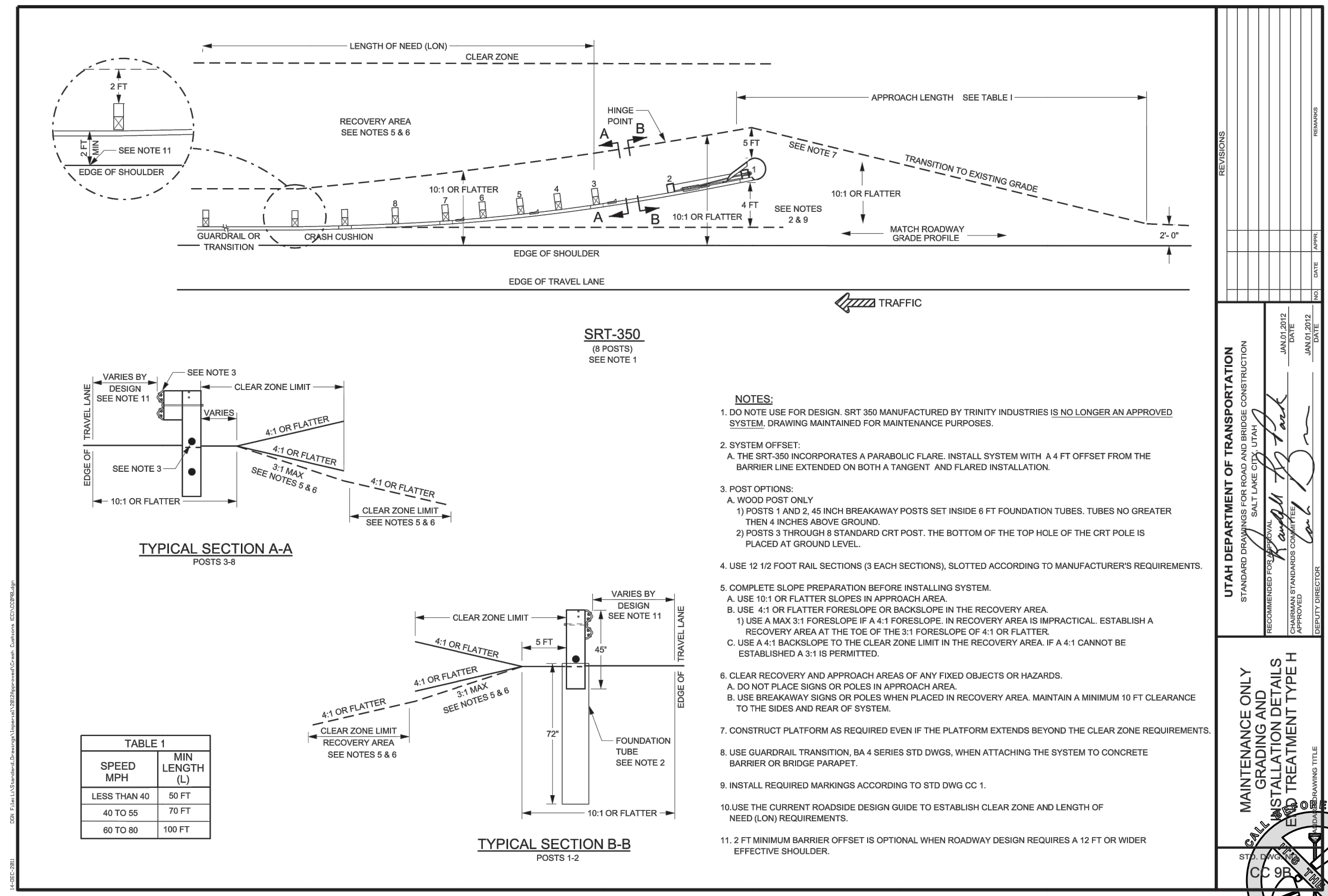
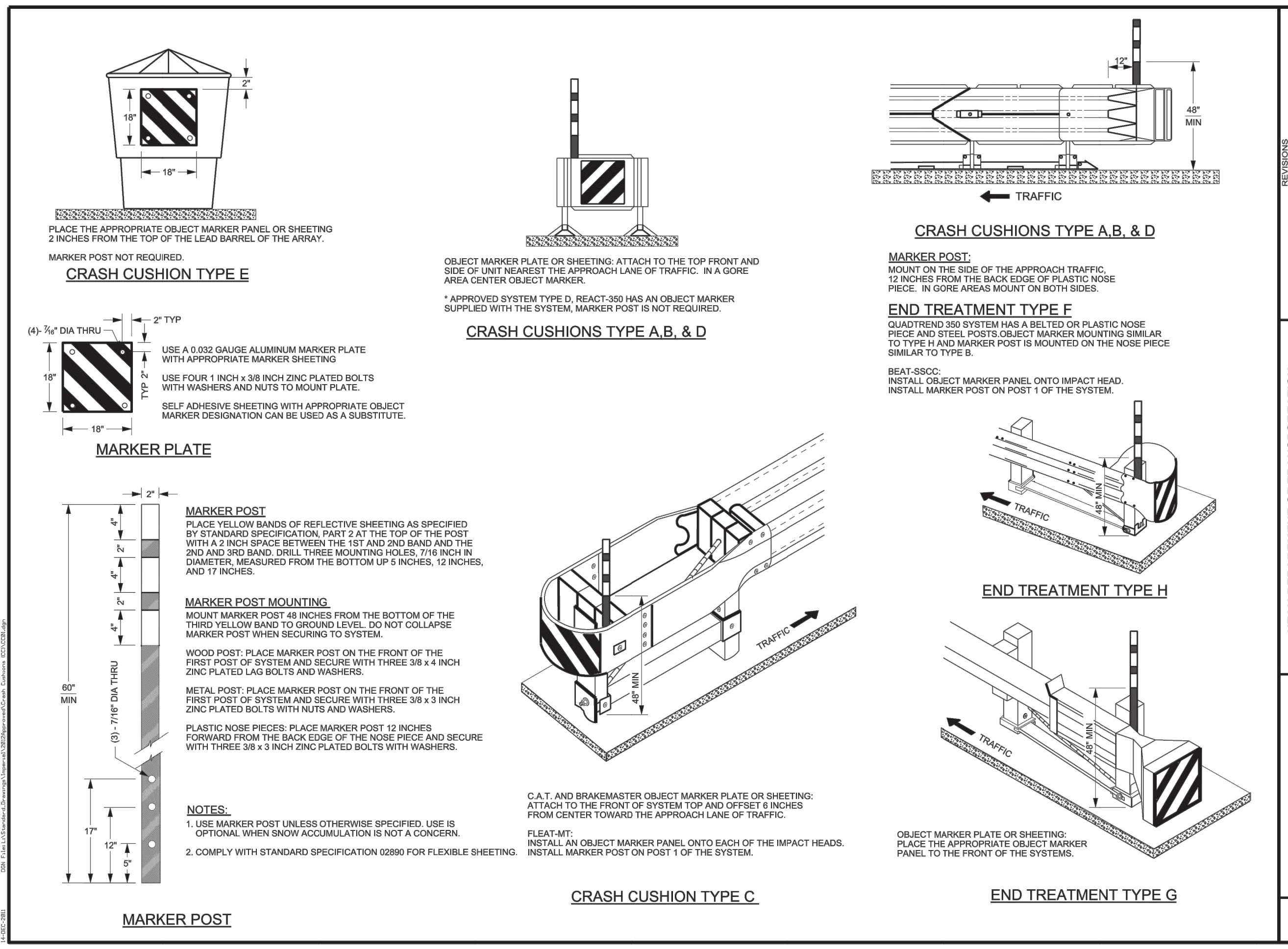
DELINEATION DETAIL

DELINEATION SHEETING

MARKER POST AS PER STD DWG CC 1

UTAH DEPARTMENT OF TRANSPORTATION  
 STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION  
 SALT LAKE CITY, UTAH  
 RECOMMENDED FOR UTAH  
 JANUARY 2012  
 CHAIRMAN: STANLEY L. JOHNSON  
 APPROVED: [Signature]  
 COUNTY DIRECTOR

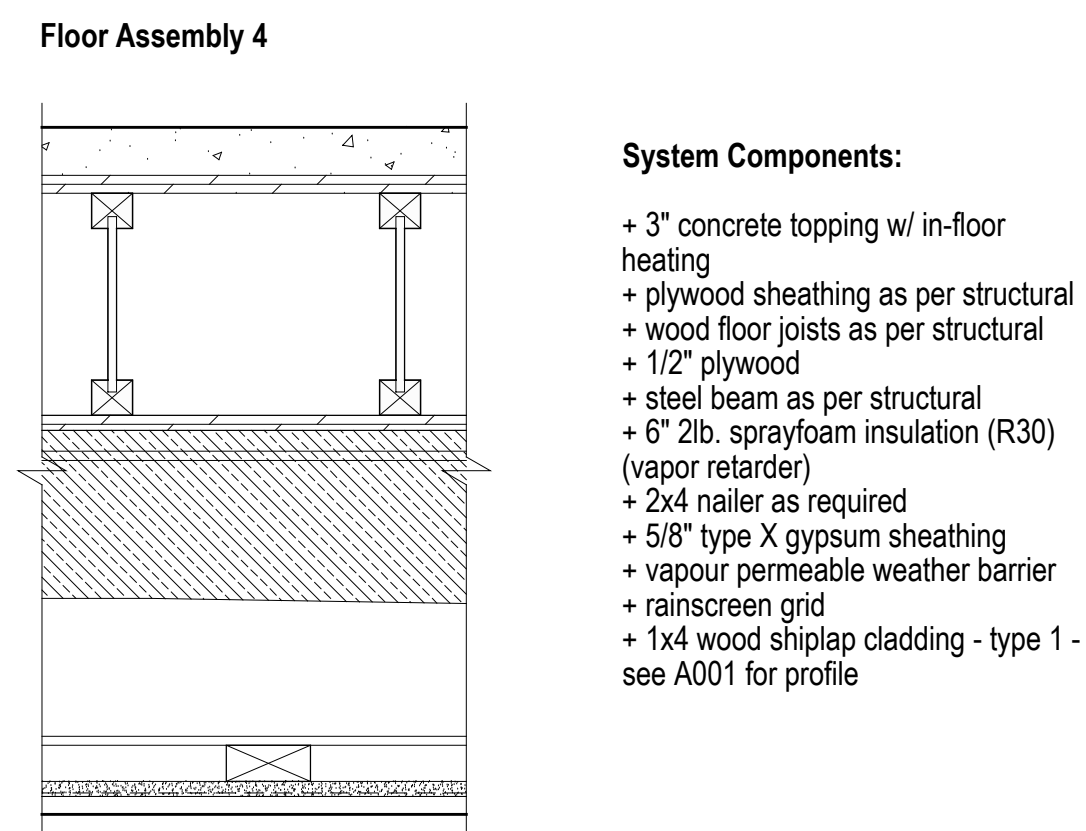
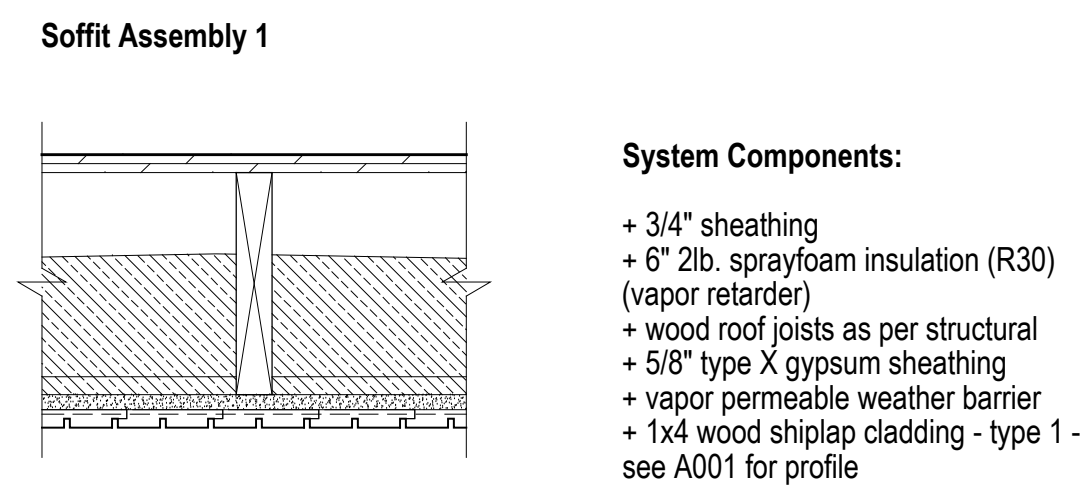
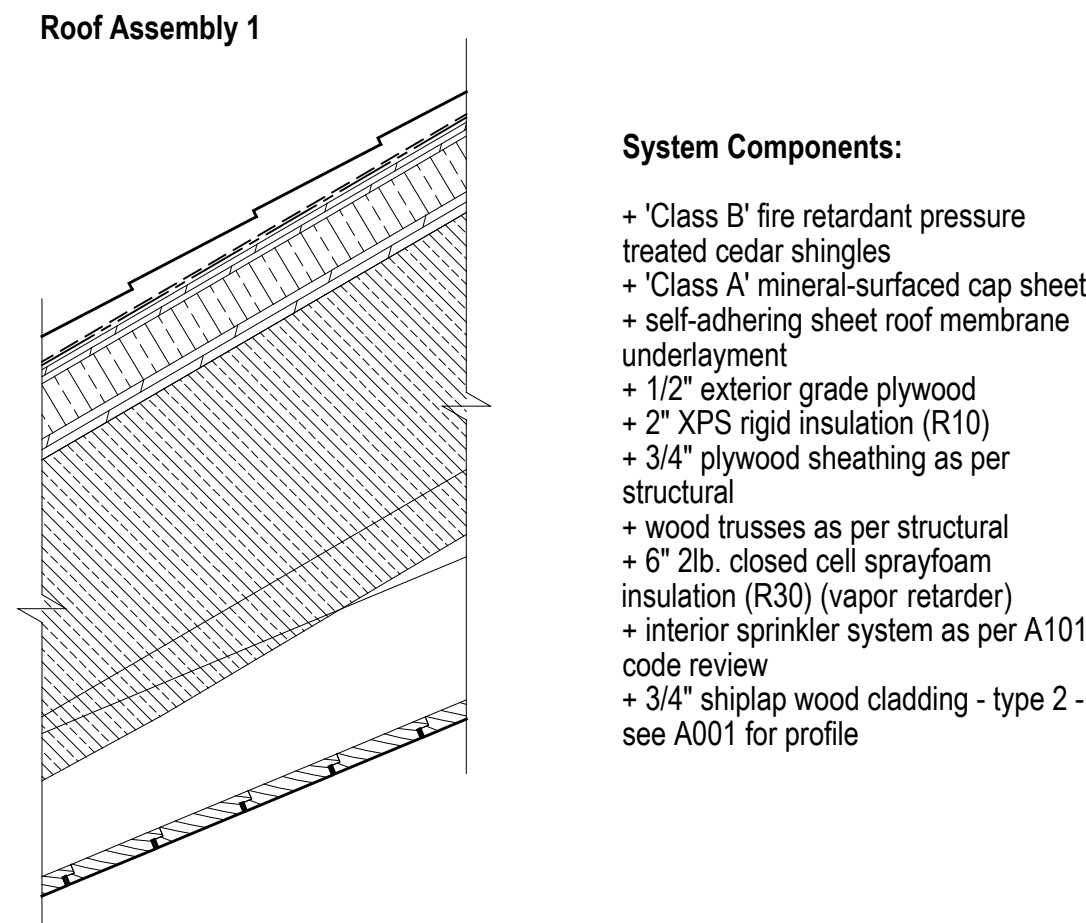
W-BEAM GUARDRAIL ANCHOR TYPE II  
 STD. DWG. NO. BA 4C2



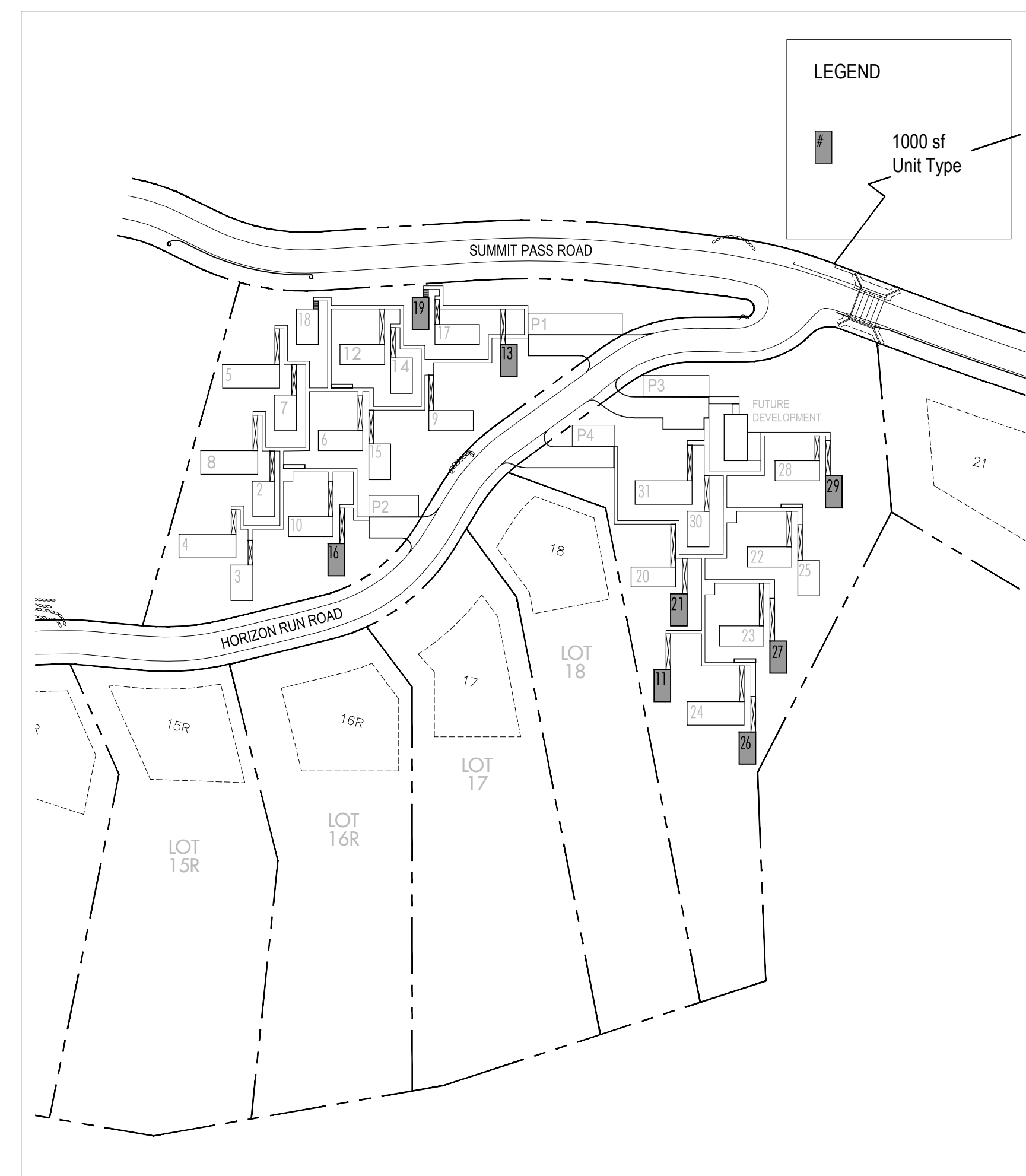
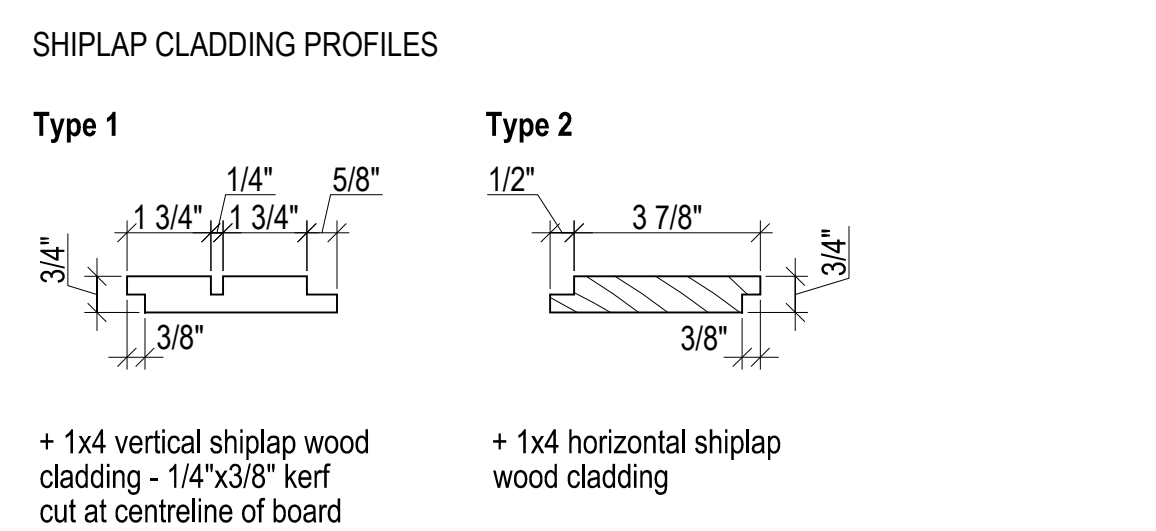
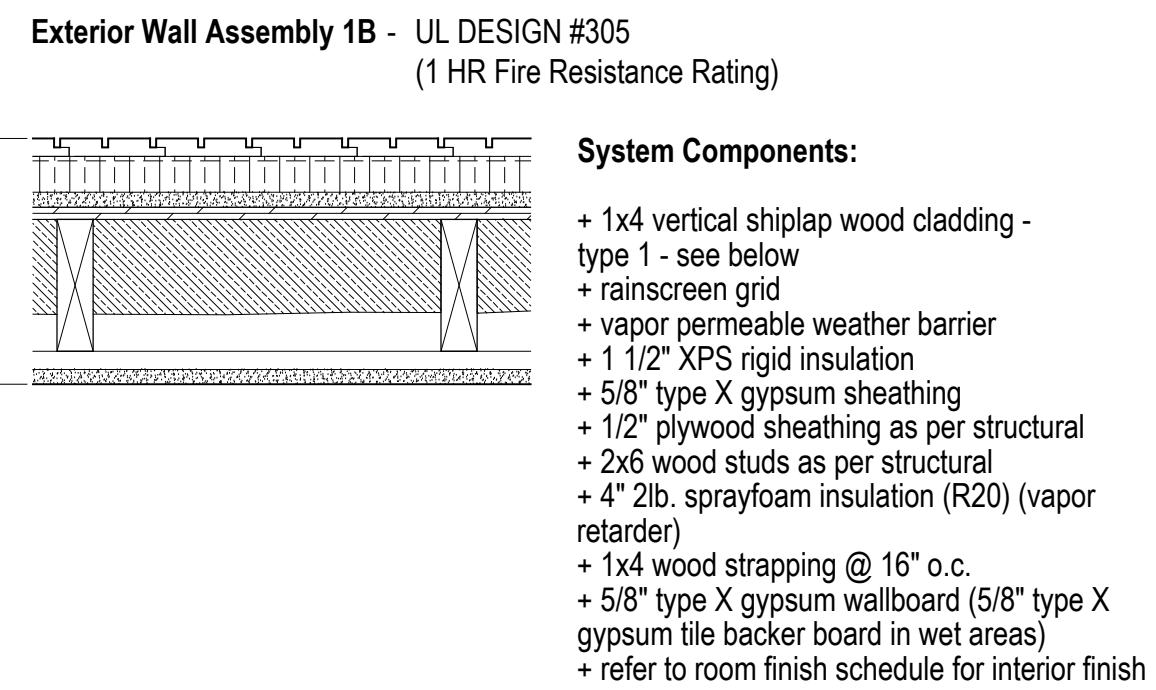
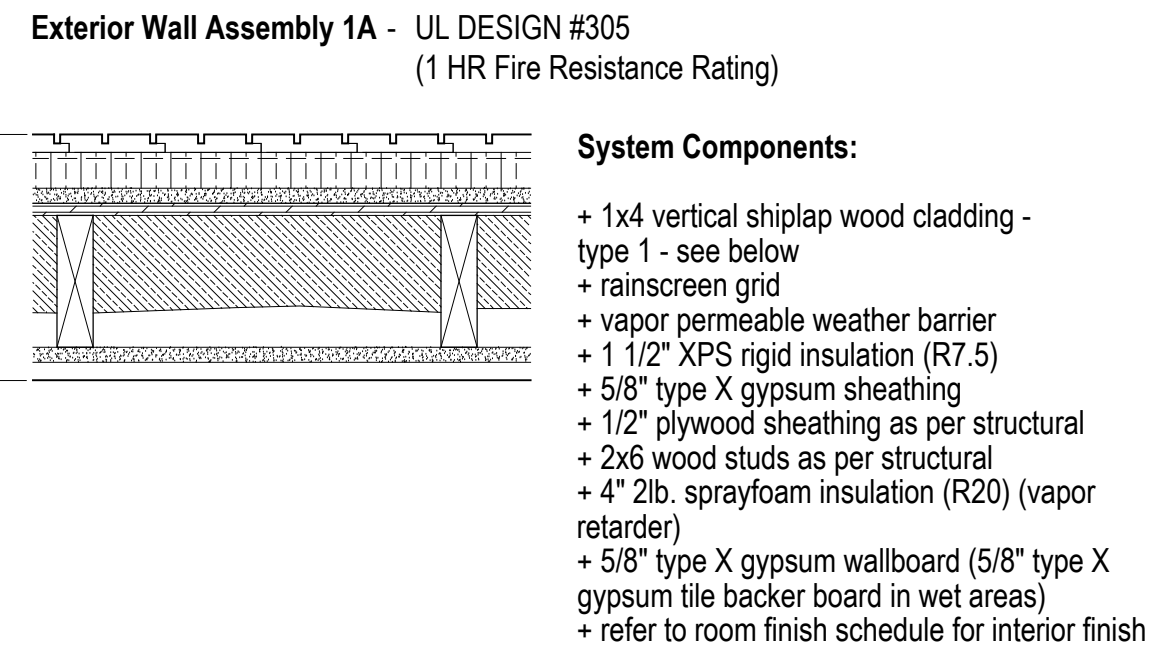
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P2		P11	
P3		P12	
P4		P13	
P5		P14	
P6		P15	
P7		P16	
P8		P17	
P9		P18	

**3**  
A001  
**Partition Type Legend**  
Scale 1 1/2" = 1'-0"

**EXTERIOR ROOF AND SOFFIT TYPE DESCRIPTION**



**EXTERIOR WALL TYPE DESCRIPTION**



**2**  
A001  
**Key Plan**  
Scale 1/128" = 1'-0"

AD	AREA DRAIN	MRGWB	MOISTURE-RESISTANT GYPSUM WALL BOARD
ADJ	ADJACENT	MTL	METAL
AFF	ABOVE FINISHED FLOOR	NIC	NOT IN CONTRACT
ALUM	ALUMINUM	NOM	NOMINAL
ANOD	ANODIZED	OC	ON CENTER
BSMT	BASEMENT	OH	OPPOSITE HAND
BYOND	BEYOND	OZ	OUNCE
BOT	BOTTOM	PCC	PRE-CAST CONCRETE
B/W	BETWEEN	PLYD	PLYWOOD
CHNL	CHANNEL	PT	PRESSURE TREATED
CJ	CONTROL JOINT	PTD	PAINTED
CLG	CEILING	PVC	POLYVINYL CHLORIDE
CLR	CLEAR	RCP	REFLECTED CEILING PLAN
CMU	CONCRETE MASONRY UNIT	RD	ROOF DRAIN
COF	CENTERLINE OF WOOD FRAMING	REQD	REQUIRED
COL	COLUMN	REV	REVERSE
CONC	CONCRETE	RM	ROOM
CONT	CONTINUOUS	SIM	SIMILAR
CPT	CARPET	SPEC	SPECIFIED OR SPECIFICATION
CT	CERAMIC TILE	SPK	SPRINKLER
DBL	DOUBLE	ST STL	STAINLESS STEEL
DIA	DIAMETER	STC	SOUND TRANSMISSION COEFFICIENT
DIMS	DIMENSIONS	STL	STEEL
DN	DOWN	STRUCT	STRUCTURAL
DR	DOOR	TELE	TELEPHONE
DWG	DRAWING	TLT	TOILET
EA	EACH	TO	TOP OF
EL	ELEVATION	TOC	TOP OF CONCRETE
ELEC	ELECTRICAL	TOS	TOP OF STEEL
ELEV	ELEVATOR / ELEVATION	TP	TOILET PAPER DISPENSER
EQ	EQUAL	T/D	TELEPHONE/DATA
FOF	FACE OF WOOD FRAMING	TYP	TYPICAL
FDN	FOUNDATION	UON	UNLESS OTHERWISE NOTED
GA	GAUGE	U/S	UNDERSIDE
GALV	GALVANIZED	VIF	VERIFY IN FIELD
GWB	GYPSUM WALL BOARD	VP	VISION PANEL
HC	HOLLOW CORE	TYP	TYPICAL
HI	HIGH	VIF	VERIFY IN FIELD
HM	HOLLOW METAL	W	WITH
HP	HIGH POINT	WD	WOOD
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING		
ILO	IN LIEU OF		
INSUL	INSULATED		
INT	INTERIOR		
LO	LOW		
MAX	MAXIMUM		
MO	MASONRY OPENING		
MECH	MECHANICAL		
MEMBR	MEMBRANE		
MIN	MINIMUM		

**1**  
A001  
**Abbreviations**

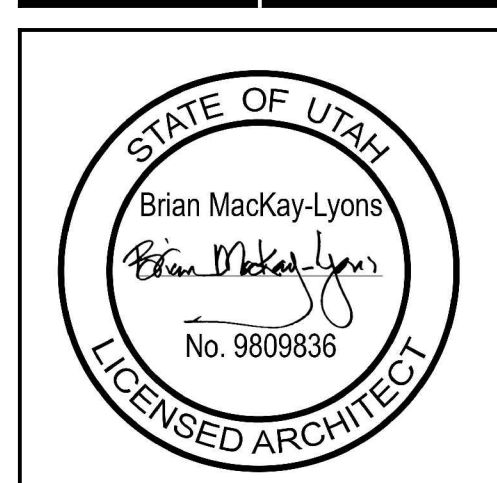
Horizon Neighborhood Cabins

Summit Powder Mountain, Eden, Utah

MackKay-Lyons Sweetapple Architects Limited

2188 Göttingen St., Halifax, Nova Scotia, Canada B3K 3B4

ph: (902) 429-1867  
fax: (902) 429-6276



No.	Description	Date
03	Issued for Const. Rev. 1	21.07.2017
02	Issued for Construction	17.03.2017
01	Issued for FDN Permit	28.10.2016

**NOTES:**

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The use of this drawing shall be governed by standard copyright law as generally accepted in architectural practice.

**ARCHITECT'S REQUIREMENTS AND APPROVALS:**  
It is the Builder's responsibility to notify MackKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Architect.

**ENGINEER'S REQUIREMENTS AND APPROVALS:**  
It is the Builder's responsibility to notify MackKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Engineer.

**AUTHORITIES' REQUIREMENTS AND APPROVALS:**  
All materials and workmanship must comply with the requirements of all authorities having jurisdiction over the work. It is the Builder's responsibility to gain necessary approval from all relevant Authorities.

**DIMENSIONS:**  
All dimensions must be verified on site. Do not scale off drawings. Plans take precedent over elevations. In the absence of dimensions, or if discrepancies exist, consult Architect. All minimum dimensions are to comply with the International Residential Code.

**SHOP DRAWINGS:**  
Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements of the building.

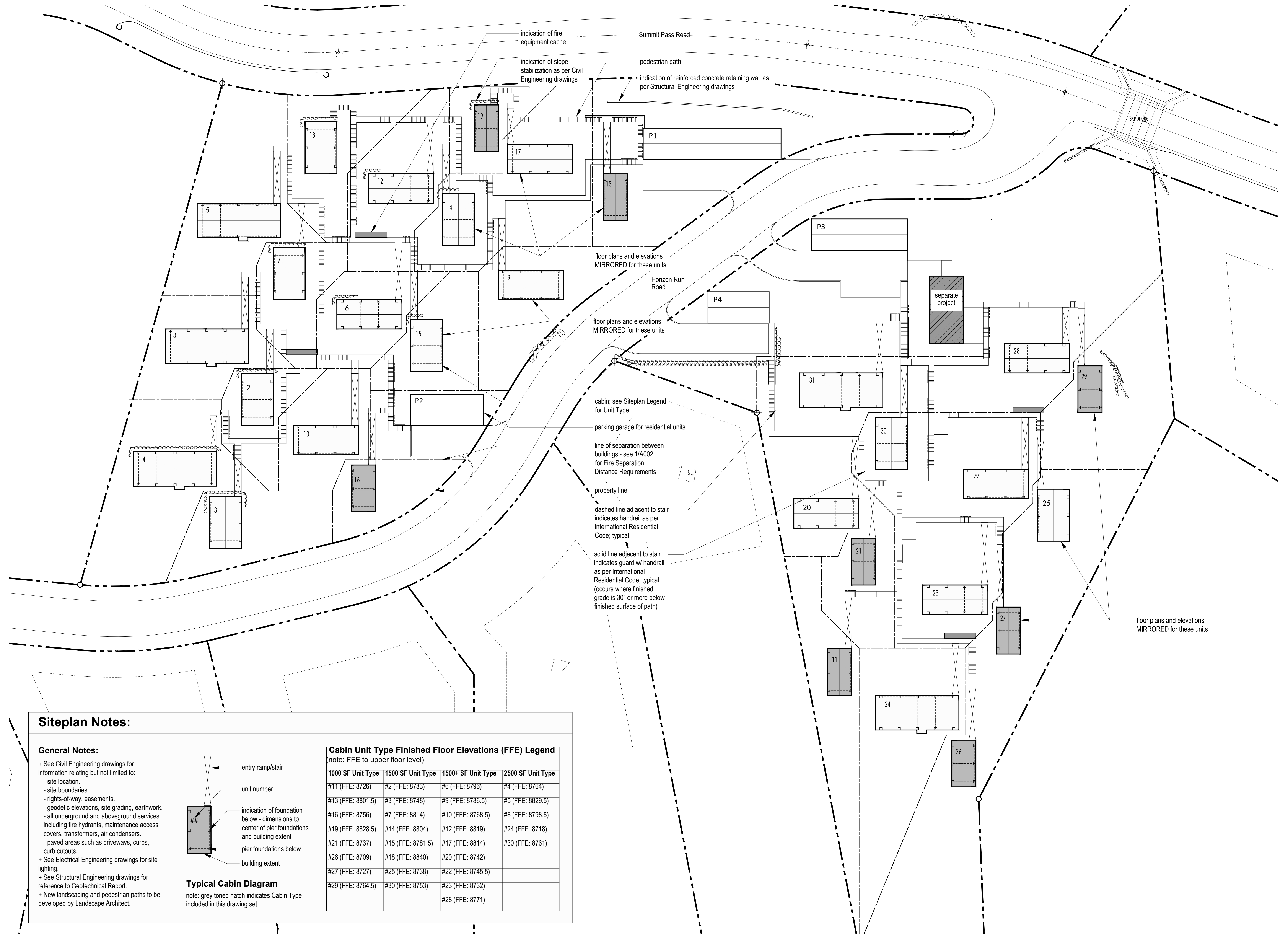
**Cabin 1000**

Abbreviations, Key Plan & Partition Types

scale: varies  
date: 16-07-18  
drawn: MJ/JL  
chk'd: BML

**A001**

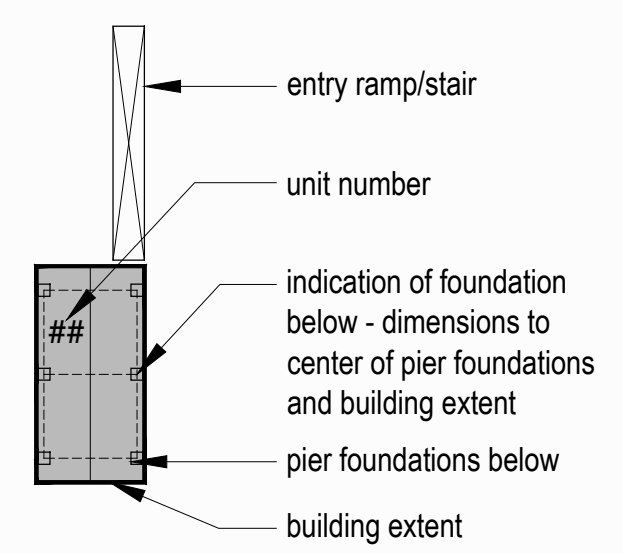
Mackay-Lyons Sweetapple Architects Limited  
 2188 Göttingen St. Halifax, Nova Scotia Canada B3K 3B4  
 ph: (902) 429-1867 fax: (902) 429-6276



**Siteplan Notes:**

**General Notes:**

- + See Civil Engineering drawings for information relating but not limited to:
  - site location.
  - site boundaries.
  - rights-of-way, easements.
  - geodetic elevations, site grading, earthwork.
  - all underground and aboveground services including fire hydrants, maintenance access covers, transformers, air condensers.
  - paved areas such as driveways, curbs, curb cutouts.
- + See Electrical Engineering drawings for site lighting.
- + See Structural Engineering drawings for reference to Geotechnical Report.
- + New landscaping and pedestrian paths to be developed by Landscape Architect.



**Typical Cabin Diagram**  
 note: grey toned hatch indicates Cabin Type included in this drawing set.

**Cabin Unit Type Finished Floor Elevations (FFE) Legend**  
 (note: FFE to upper floor level)

1000 SF Unit Type	1500 SF Unit Type	1500+ SF Unit Type	2500 SF Unit Type
#11 (FFE: 8726)	#2 (FFE: 8783)	#6 (FFE: 8796)	#4 (FFE: 8764)
#13 (FFE: 8801.5)	#3 (FFE: 8748)	#9 (FFE: 8786.5)	#5 (FFE: 8829.5)
#16 (FFE: 8756)	#7 (FFE: 8814)	#10 (FFE: 8768.5)	#8 (FFE: 8798.5)
#19 (FFE: 8828.5)	#14 (FFE: 8804)	#12 (FFE: 8819)	#24 (FFE: 8718)
#21 (FFE: 8737)	#15 (FFE: 8781.5)	#17 (FFE: 8814)	#30 (FFE: 8761)
#26 (FFE: 8709)	#18 (FFE: 8840)	#20 (FFE: 8742)	
#27 (FFE: 8727)	#25 (FFE: 8738)	#22 (FFE: 8745.5)	
#29 (FFE: 8764.5)	#30 (FFE: 8753)	#23 (FFE: 8732)	
		#28 (FFE: 8771)	

No.	Description	Date
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**Cabin 1000**  
**Site Plan**  
 scale: 1/32" = 1'-0"  
 date: 16-07-04  
 drawn: DP  
 chd'd: BML

**Project: POWDER MOUNTAIN CABIN 1000 CODE ANALYSIS**

Project No. 10/14/2016

x	User Input
x	Auto Input
Yes	Incorporated in the Project
N/A	Not Applicable as part of this Project
AGP	Above Grade Plane- story
FDVA	Fire Department Vehicle Access
FSD	Fire Separation Distance
BO	Building Official

Planning & Zoning Official: WEBER COUNTY, UTAH  
Building Official: WEBER COUNTY, UTAH  
Plans Examiner: WEBER COUNTY, UTAH  
Engineering: WEBER COUNTY, UTAH  
Health Department: WEBER COUNTY, UTAH

**Applicable Codes:**

Year	Code	Description
2015	IBC	International Building Code, with Appendix "J"
2015	IFC	International Fire Code
2015	IRC	International Residential Code (Parts I-IV and IX)
2015	IPC	International Plumbing Code
2015	IMC	International Mechanical Code
2014	NEC	National Electrical Code
2015	IFGC	International Fuel Gas Code
2015	IECC	International Energy Conservation Code: Residential
2015	IECC	International Energy Conservation Code: Commercial
2009	ANSI	ICC/American National Standard A117.1 + FHA + ADAAG

**Amendments (State or Local)** (Building Code Amend. at www.dopl.utah.gov)  
Title 18 of Salt Lake City Ordinances

**Chapter 3 - Occupancy Classification**

Table 508.4 Separation of Occupancies

Occupancy Proposed	Stories	Occupancy	HRS * / F.S.
R3	2	R3	0 / 0

\* Check Footnotes that May Apply c. Section 406.3.4

**Chapter 4 - Special Requirements**

406 Motor Related Occupancies  
420.2 Separation between R2 occupancies with 1 hour fire partition as per 708  
420.3 Horizontal Separation- Separation between units shall be 1 hour.

**Chapter 6 - Construction Type**

Table 601 Occupancy Type Fire-Rating per Occupancy\*

Occupancy	Type	Fire-Rating
R3	V8	V8

Table 602 Fire Resistance for Exterior wall/Fire Separation Distance

Fire Separ.	Const. Type	R3
x<5	All	1
5≤x<10	IA, Others	1
10≤x<30	IA, YA	1*
x≥30	All	0

Table 504.3, 504.4, 506.2

Mark which Strategy Taken:	Occ	Height (ft)	Story	Area (sf)	Area (sf)	Area (sf)
Accessory Occ:	R3	55	4*	UNLIMITED		1,332
Incidental Acc. Occ:						
Single Occ:						
Mixed Occ:						
Nonseparated Uses:						
Separated Uses:						

**Chapter 5 - General Building Heights and Areas Strategy**

Table 504.3, 504.4, 506.2

Mark which Strategy Taken:	Occ	Height (ft)	Story	Area (sf)	Area (sf)	Area (sf)
Accessory Occ:	R3	55	4*	UNLIMITED		1,332
Incidental Acc. Occ:						
Single Occ:						
Mixed Occ:						
Nonseparated Uses:						
Separated Uses:						

**1 OCCUPANCY - 506.1 Area Calculation**

Aa	=	At	+	At	+	At
Aa	=	Allowable Area per Floor				
At	=	Tabular Area per Table 503 (square feet)				
If	=	Area increase due to frontage				
Is	=	Area increase due to sprinkler protection				

**ACTUAL AREA < ALLOWABLE AREA PER FLOOR**

Aa	=	UNLIMITED	+	0	+	0.0000	+	0	+	0	=	0
Aa	=	UNLIMITED	+	0	+	0	+	0	+	0	=	0
Aa	=	UNLIMITED	sf	ALLOWABLE AREA PER FLOOR								
x	=	UNLIMITED	sf	ALLOWABLE AREA OF BUILDING								

**ACTUAL AREA < ALLOWABLE AREA PER BUILDING**

Aa	=	656	UNLIMITED	OK, ALLOWABLE
Aa	=	1,332	UNLIMITED	OK, ALLOWABLE

**506.2 Frontage Increase**

If	=	F	-0.25	W	30			
If	=	Area Increase due to frontage						
F	=	Building perimeter which fronts on a public way or open space having 20 feet minimum (feet)						
P	=	Perimeter of entire building						
W	=	Width of public way or open space (feet) in accordance with 506.2.1						
If	=	60	if					
P	=	102.5	if					
W	=	20	ft	(30 FT IS THE LARGEST NUMBER THAT CAN BE USED)				
If	=	60	+	-0.25	20	=		
P	=	102.5	+	30	=			
If	=	0.585365854	+	-0.25	0.666666667	=	0.335365854	0.666666667
If	=	0.00	NO AREA INCREASE TAKEN FOR SIDE YARDS					

**(Chp. 7) - Fire-Resistance Rated Construction (List Items)**

No	704.2 Column Protection:	Primary structural frame individually protected.
No	704.3 Protection of the Primary Structural Frame other than columns:	Requires individual protection when carry more than two floors or one floor and one roof.
No	704.10 Exterior Structural Members:	Requires individual protection when carry more than two floors or one floor and one roof.
No	705 Exterior Walls:	705.2 Projections: Shall not extend closer to FSD than Table 705.2.
Yes	705.2.2 Type V-8	of any approved material
Yes	705.2.3 Combustible projections	either: 1-hr rated construction, type V-8 construction.
No	712 Vertical Openings:	712.1.2 Two-story openings: Allowed within individual dwelling unit
N/A	718 Concealed Spaces:	718.2 Fireblocking: Required throughout.
N/A	718.3 Draftstopping in floors:	718.3.3: Exception- Not required if building equipped throughout with an NFPA 13 automatic sprinkler system
N/A	718.4 Draftstopping in attics:	718.4.3: Exception- Not required if building equipped throughout with an NFPA 13 automatic sprinkler system

**Chapter 8 - Finishes**

Table 803.9 Interior Wall and Ceiling Finish Requirements by Occupancy: sprinklered

Group	Exiting Elements	Corridors	Rooms & enclosed Spaces
R3	B	C	C

**Chapter 9 - Fire Protection Systems**

903.2 Automatic Sprinkler Systems Where Required:	R3	Required.
903.3.1 FS Standards: Install FS as per 903.3.1.1, 903.3.1.2 or 903.3.1.3:	N/A	
903.3.1.2 NFPA 13R sprinkler systems: Group R when ≤ 4 stories in height, 903.3.1.2.1 Balconies and decks: Provide FS when bldg is of Type V const.	YES	
903.3.2 Quick-response and residential sprinklers: Install FS as per 903.3.1 in Group R dwelling units.	Yes	
906.1 Portable Fire Extinguishers where required:	R3	Required per Dwelling Unit- 1-A10-B:C
907.2 Fire Alarm and Detection Systems- Where required: Installed as per IBC and NFPA 72	R3	907.2.8: Not required, but exception 2 must be met

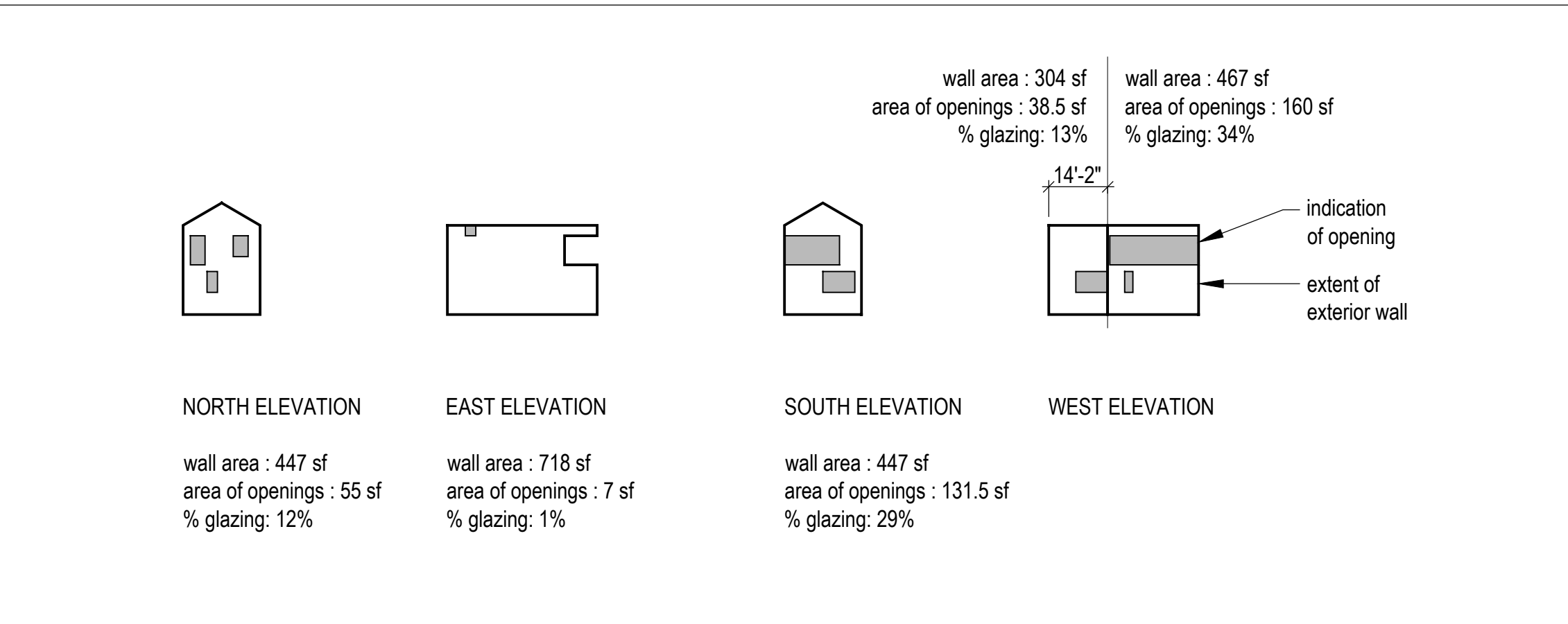
**Chapter 10 - Means of Egress**

Table 1004.1 - Occupant Load: See 'G' Sheets for floor plans showing occupant loads per space.	
1005 Egress Width: 0.3 x OL for stairs and 0.2 x OL for other egress components- See 'G' Sheets for floor plans showing stairs and egress components and width required and provided.	
1007 Accessible means of Egress	
Table 1017.2 - Exit access travel distance	R3 = 200' (NFPA 13R) R3 = 400' (NFPA 13)
1016.1 - Unenclosed Stairs: exception #3- travel distance shall be measured from the most remote point in the building to an exit discharge.	N/A
1022 Interior exit stairways and ramps:	Yes
1- 1022.2: 1-hr fire barrier when ≤ 4 stories.	
2- Construct as per 1022.2 - 1020.10.	
(Chp. 11) Accessibility	
1103 Scope:	No
1103.2.3 Detached One and Two Family dwellings are exempt from Chapter 11	
1107.7 General Exceptions	No
1107.2.2 Multi-story units without elevator service are not required to have Type B, and are exempt.	
(Chp 12) Interior Environment	
1207 Sound Transmission:	Yes
1207.3 Structure-borne Sound: Dwelling unit must be separated with a floor/ceiling assemblies that have an STC rating ≥ 50 (45 if field tested).	
1207.2 Air-borne Sound: Dwelling unit must be separated with walls, partitions and floor/ceiling assemblies that have an IIC rating ≥ 50 (45 if field tested).	

building number	northwest corner natural grade elevation	northeast corner natural grade elevation	southwest corner natural grade elevation	southeast corner natural grade elevation	upper level floor elevation	height to building ridge	average building height (less than 35')
13	8790.06	8788.62	8778.31	8778.24	8803.00	8818.00	33.85
16	8743.17	8743.2	8735.14	8734.32	8756.00	8771.00	32.24
19	8818.32	8815.99	8799.67	8798.73	8828.50	8843.50	34.975
11	8712.48	8712.33	8705.65	8705.14	8726.00	8741.00	32.19
21	8723.93	8723.54	8719.22	8719.09	8737.00	8752.00	30.49
26	8695.63	8695.19	8686.84	8685.93	8709.00	8724.00	33.22
27	8713.05	8712.23	8708.14	8707.62	8727.00	8742.00	31.665
29	8751.05	8750.44	8739.22	8738.54	8764.50	8779.50	34.705

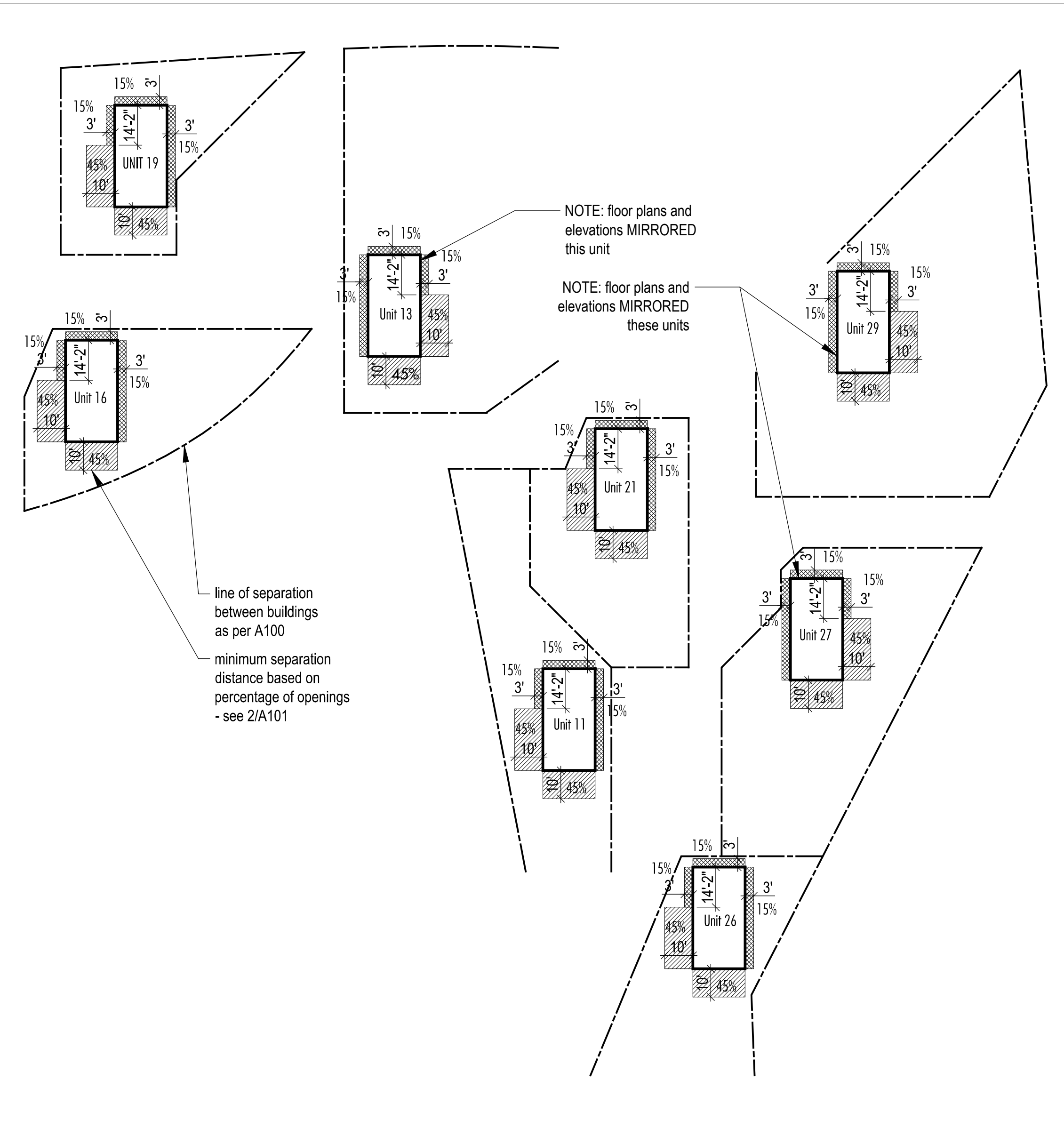
**3 A101 Height Restriction Chart**

Scale 1/32" = 1'-0"



**2 A101 Percentage of Openings Elevation Diagrams**

Scale 1/32" = 1'-0"



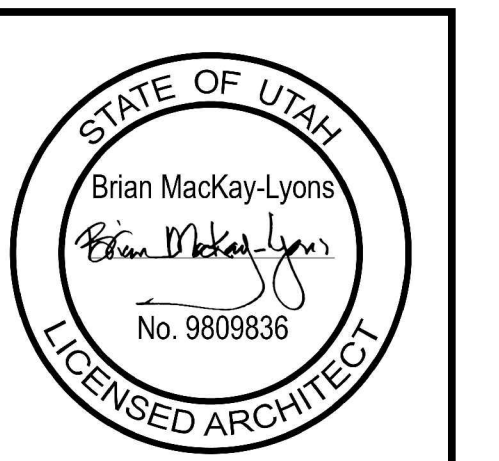
**1 A101 Separation Distance Plan Diagrams**

Scale 1/32" = 1'-0"

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**INTERIOR FINISH SCHEDULE - WARM**

	Base		North Wall		East Wall		South Wall		West Wall		Floors		Ceiling		Remarks
	Material	Finish	Material	Finish	Material	Finish	South	Finish	Material	Finish	Material	Finish	Material	Finish	
LOWER LEVEL															
Hall	WD	PTW2	n/a		GWB	PTW1	n/a	n/a	GWB	PTW1	WD3	prefinished	WD1	untreated	
Stair	WD1	untreated	WD1	untreated	WD1	untreated	n/a	n/a	WD1	untreated	WD3	prefinished	WD1	untreated	
Bedroom 1	WD	PTW2	GWB	PTW1	GWB	PTW1	GWB	PTW1	GWB	PTW1	WD3	prefinished	WD1	untreated	
Bathroom 1	WD1	sealant	GWB-W/WD1	ST2/sealant	WD1	sealant	GWB-W/WD1	ST1/sealant	GWB-W	ST2	CT2	-	WD1	sealant	See notes 2+3
Bathroom 2	WD1	sealant	GWB-W/WD1	ST2/sealant	WD1	sealant	GWB-W/WD1	ST2/sealant	GWB-W	ST2	CT2	-	WD1	sealant	See notes 2+3
Bedroom 2	WD	PTW2	GWB	PTW1	GWB	PTW1	GWB	PTW1	GWB	PTW1	WD3	prefinished	WD1	untreated	
closets+mechanical	WD	PTW2	GWB	PTW1	GWB	PTW1	GWB	PTW1	GWB	PTW1	WD3	prefinished	GWB	PTC-3	
UPPER LEVEL															
Living	WD1	untreated	n/a	n/a	WD1	untreated	glazing/WD1	n/a/untreat.	glazing	n/a	WD3	prefinished	WD1	untreated	ST wall/floor - woodstove area
Dining	WD1	untreated	WD2	treated	WD1	untreated	glazing	n/a	glazing	n/a	WD3	prefinished	WD1	untreated	See note 2.
Entry	WD1/2	untr./treat/	WD1	untreated	WD1	untreated	n/a	n/a	WD2	treated	ST1	-	WD1	untreated	See note 2.
Mudroom	WD1	sealant	WD1	untreated	WD1	untreated	WD1	untreated	WD1	untreated	ST1	-	WD1	untreated	See notes 2+3
Powder Rm	WD1	sealant	WD1	sealant	WD1	sealant	WD1	sealant	WD1	sealant	ST1	-	WD1	untreated	See notes 2+3
Kitchen	WD1	sealant	WD1/GWB-W	sealant/ST2	WD1	sealant	WD1	sealant	WD1	sealant	ST1	-	WD1	untreated	ST2 backsplash above counter
Closet	n/a	n/a	GWB	PTW1	GWB	PTW1	GWB	PTW1	GWB	PTW1	WD3	prefinished	GWB	PTC-3	

**Finish Types.**

- Paint  
 PT-1W - Benjamin Moore OC-17 White Dove - Egg Shell Finish  
 PT-2W - Benjamin Moore OC-17 White Dove - Semi Gloss Finish  
 PT-C1 - Benjamin Moore Decorators White - Egg Shell Finish  
 PT-C2 - Benjamin Moore Decorators White - Semi Gloss Finish  
 PT-C3 - Benjamin Moore Decorators White - Flat Finish (Ceilings Only)

- Wood Slats  
 WD1 - western red cedar, 1X4" horizontal slats, untreated  
 WD2 - western red cedar, 1X2" vertical slats, treated
- Engineered Wood  
 WD3 - reclaimed white oak 1X4", engineered, prefinished, natural satin

- Ceramic Tile  
 CT1 - white subway tile 4X16  
 CT2 - grey 2x2 antislip tile
- Stone Tile  
 ST1 - slate floor tile, 12x12, white  
 ST2 - slate wall tile 4x16

- Legend.**  
 N/A not applicable  
 GWB gypsum wall board per spec.  
 GWB-W waterproof sheathing as per spec.  
 CONC. concrete  
 CT ceramic tile  
 ST stone tile  
 WD wood  
 GLZ glazing

**Notes.**

- "North" is top of drawing page for wall designations
- Wood wall cladding shall extend from finished floor to u/s ceiling.
- All wood surface cladding in bathrooms + mudroom to receive clear sealant, low sheen.

2 Room Finish Schedule - UPGRADE OPTION (warm scheme)  
A102 Scale NTS

**INTERIOR FINISH SCHEDULE - COOL**

	Base		North Wall		East Wall		South Wall		West Wall		Floors		Ceiling		Remarks
	Material	Finish	Material	Finish	Material	Finish	South	Finish	Material	Finish	Material	Finish	Material	Finish	
LOWER LEVEL															
Hall	WD	PTC2	GWB	PTC1	GWB	PTC1	GWB	PTC1	n/a	n/a	CONC.	sealed	WD1	clear	
Stair	WD1	untreated	WD1	untreated	WD1	untreated	n/a	n/a	WD1	untreated	WD3	satin	WD1	clear	
Bedroom 1	WD	PTC2	GWB	PTC1	GWB	PTC1	GWB	PTC1	GWB	PTC1	CONC.	sealed	WD1	clear	
Bathroom 1	TILE	CT1	GWB-W	CT1	GWB-W	CT1	GWB-W	CT1	GWB-W	CT1	CONC./TILE	sealed	WD1	clear	grey 2x2 antislip tile shower base
Bathroom 2	TILE	CT1	GWB-W	CT1	GWB-W	CT1	GWB-W	CT1	GWB-W	CT1	CONC./TILE	sealed	WD1	clear	grey 2x2 antislip tile shower base
Bedroom 2	WD	PTC2	GWB	PTC1	GWB	PTC1	GWB	PTC1	GWB	PTC1	CONC.	sealed	WD1	clear	
Closets	n/a	n/a	GWB	PTC1	GWB	PTC1	GWB	PTC1	GWB	PTC1	CONC.	sealed	GWB	PTC1	
UPPER LEVEL															
Living	n/a	n/a	n/a	n/a	WD1	untreated	glazing	n/a	glazing	n/a	CONC.	sealed	WD1	clear	painted steel behind woodstove
Dining	n/a	n/a	WD2	untreated	WD1	untreated	glazing	n/a	glazing	n/a	CONC.	sealed	WD1	clear	See note 2.
Entry	WD2/WD1	treat./untr.	glazing	n/a	WD1	untreated	n/a	n/a	WD2	treated	CONC.	troweled+sealed	GWB	PTC3	See note 2.
Mudroom	WD	PTC2	GWB	PTC1	n/a	n/a	GWB	PTC1	GWB	PTC1	CONC.	sealed	GWB	PTC3	
Powder Rm	TILE	CT1	GWB	CT1	GWB	CT1	GWB	CT1	GWB	CT1	CONC.	sealed	GWB	PTC3	
Kitchen	WD	PTC2	GWB	PTC1/CT1	GWB	PTC1	GWB	PTC1	GWB	PTC1	CONC.	sealed	GWB	PTC3	CT1 backsplash above counter
Closet	n/a	n/a	GWB	PTC1	GWB	PTC1	GWB	PTC1	GWB	PTC1	CONC.	sealed	GWB	PTC1	

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- Concrete  
 CONC. - sealed concrete
- Ceramic Tile  
 CT1 - white subway tile 4X16  
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- Legend.**  
 N/A not applicable  
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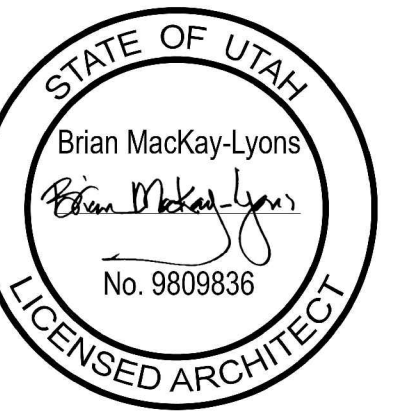
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A102 Scale NTS

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Architects  
Limited

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Canada B3K 3B4

ph: (902) 429.1867  
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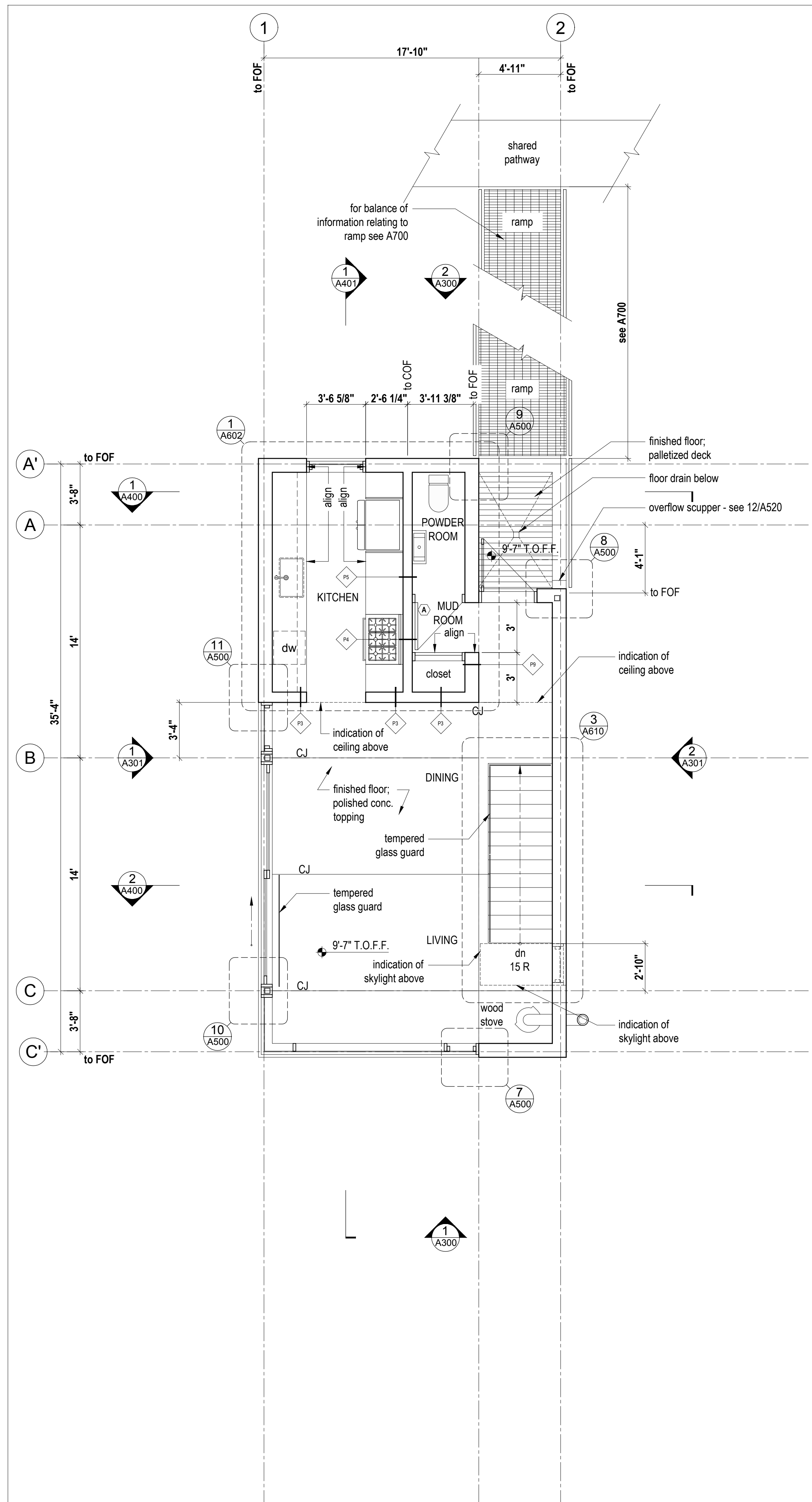
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Cabin 1000

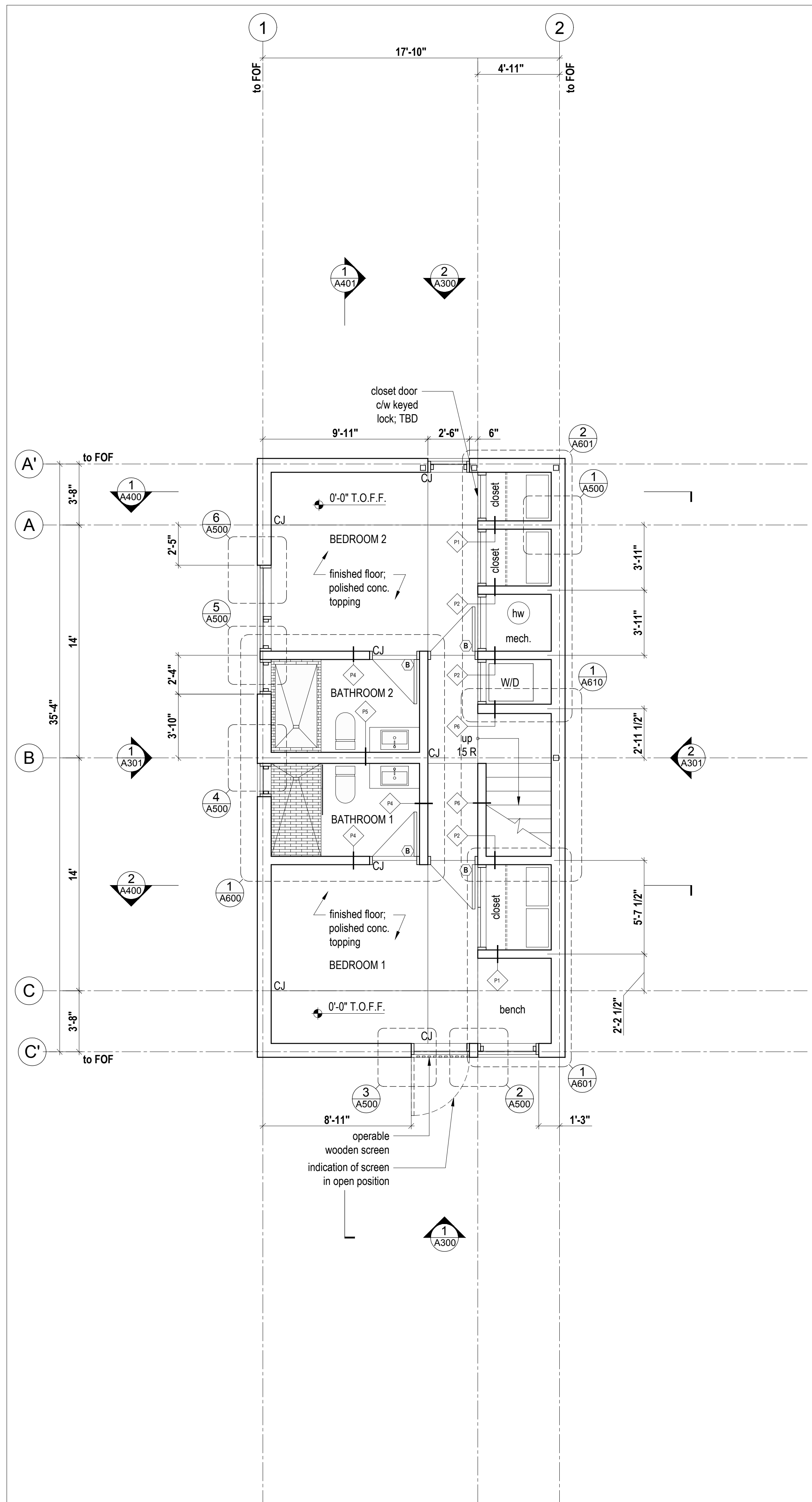
Room Finish  
Schedules

scale: varies  
 date: 16-07-04  
 drawn: DP  
 ch'k'd: BML

A102



3 Floor Plan Main  
Scale 1/4" = 1'-0"



2 Floor Plan Lower  
Scale 1/4" = 1'-0"

LEGEND

- ⊘ Center line
- ⊗ Door type
- ◇ Partition type

LIVABLE SQUARE FOOTAGES

Floor Plan Lower: 578 square feet  
 Floor Plan Upper: 495 square feet  
 Total: 1073 square feet

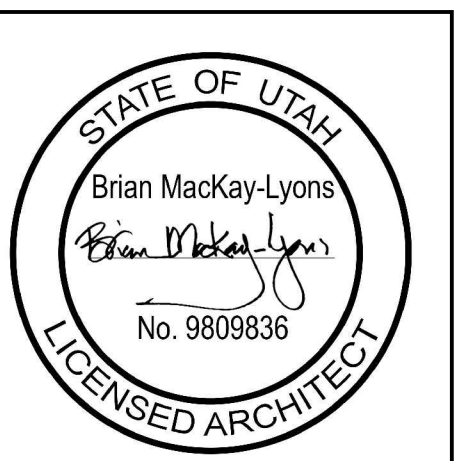
Horizon Neighborhood CABINS

Summit Power Mountain, Eden, Utah

MackKay-Lyons Sweetapple Architects Limited

2188 Göttingen St., Halifax, Nova Scotia, Canada B3K 3B4

ph: (902) 429-1867  
 fax: (902) 429-6276



No.	Description	Date
03	Issued for Const. Rev. 1	21.07.2017
02	Issued for Construction	17.03.2017
01	Issued for FDN Permit	28.10.2016

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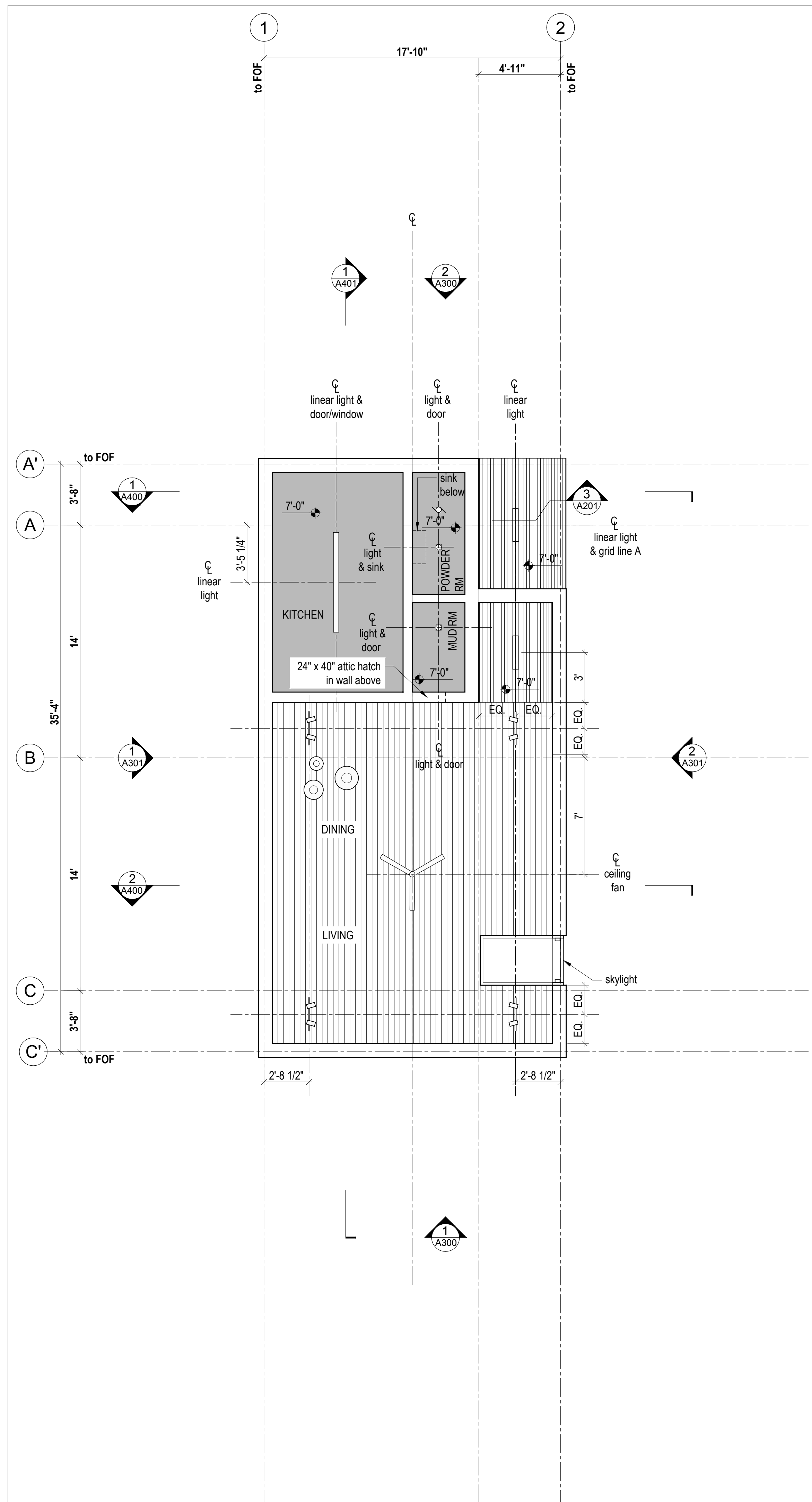
**SHOP DRAWINGS:**  
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Cabin 1000

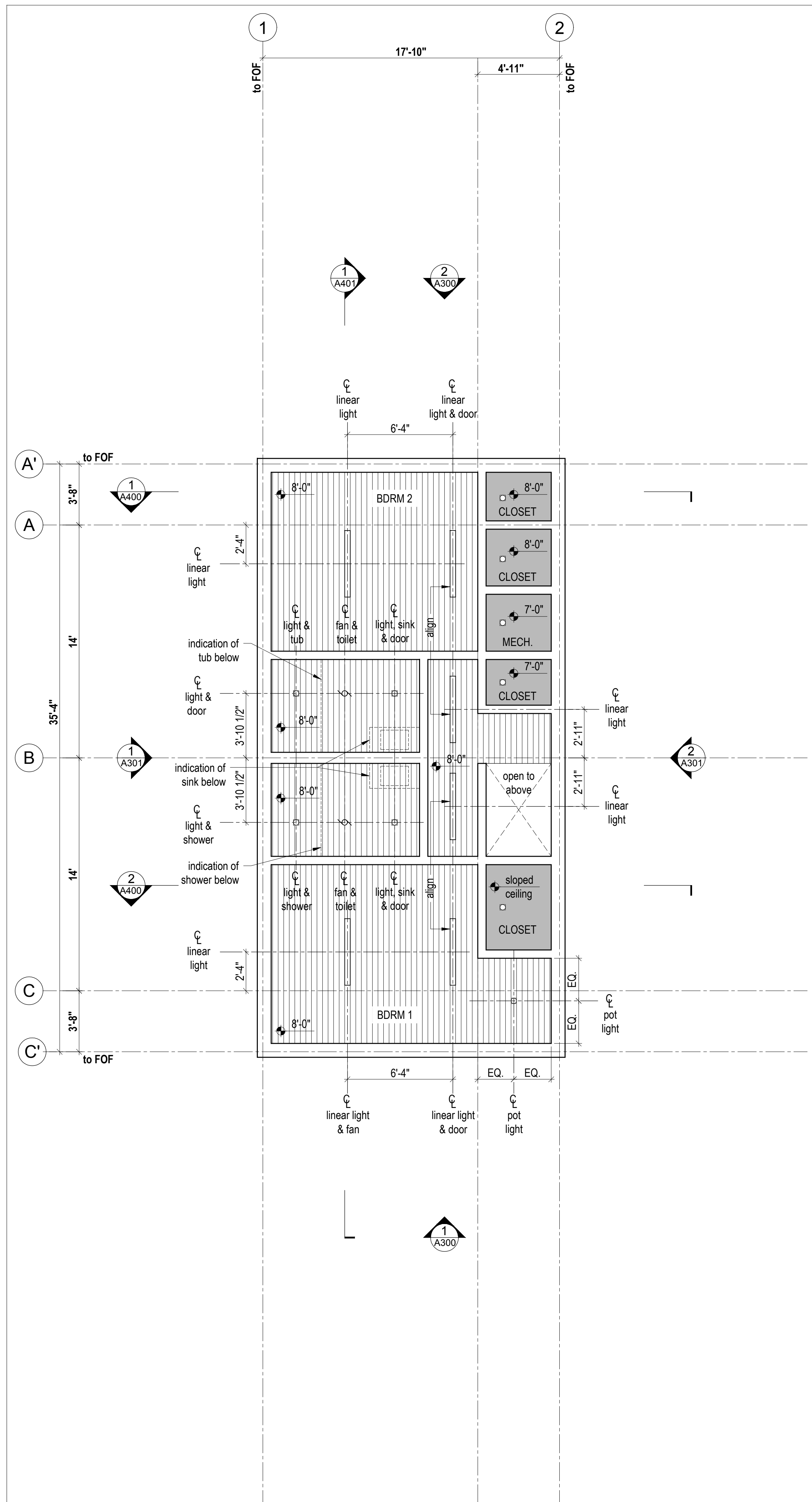
Floor Plans

scale: 1/4" = 1'-0"  
 date: 16-04-20  
 drawn: M.J./J.L.  
 checked: B.M.L.

A200



2 Reflected Ceiling Plan Main  
Scale 1/4" = 1'-0"



1 Reflected Ceiling Plan Lower  
Scale 1/4" = 1'-0"

**LEGEND**

**Symbols**

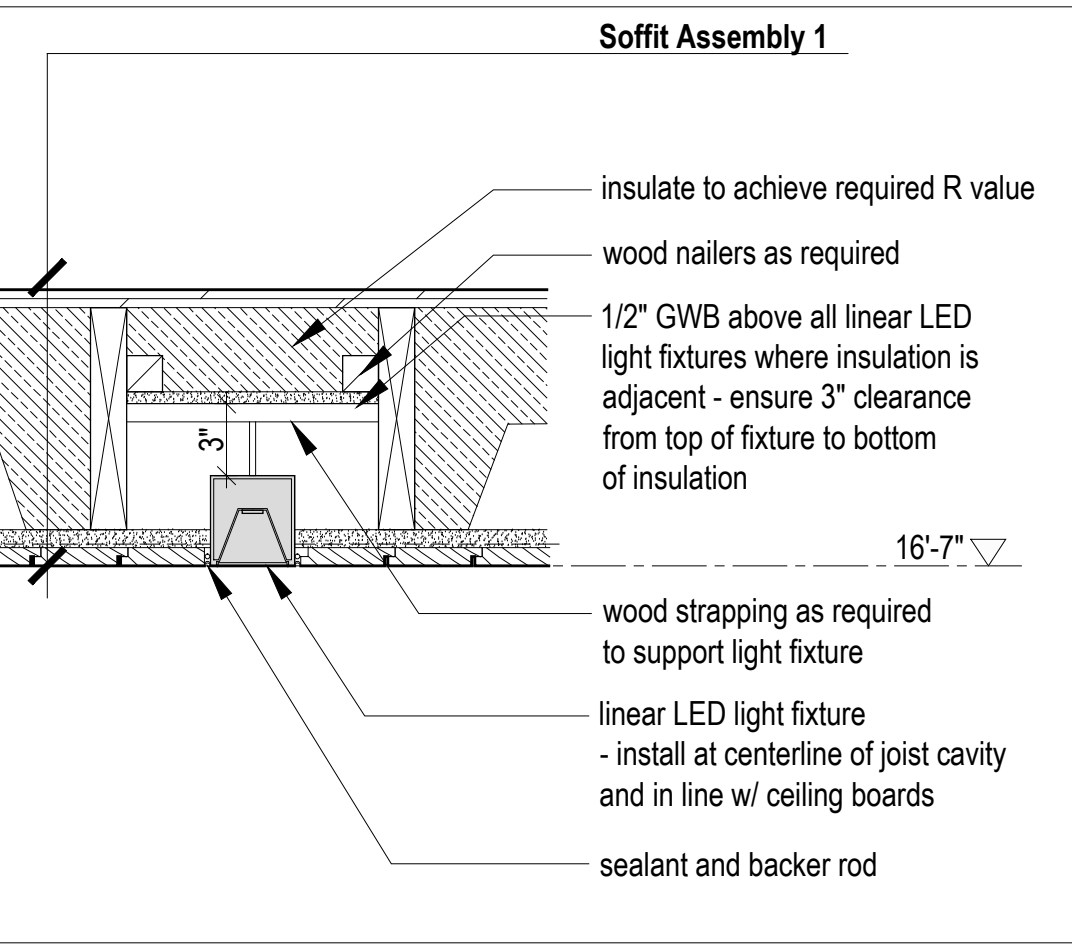
- Center line
- LED downlight
- Recessed LED pot light; inline w/ shiplap ceiling boards
- Linear LED pendant light
- Spherical pendant light cluster
- Linear LED light fixture; inline w/ shiplap ceiling boards; length varies (see elec.)
- track lights on 2' long track

**Ceiling Finishes**

- 1x4 shiplap wood cladding - type 1 - see A001
- 1x4 shiplap wood cladding - type 2 - see A001
- Painted GWB

**Mechanical**

- bathroom fan
- ceiling fan



3 Linear Light Detail at Insulated Condition  
Scale 1-1/2" = 1'-0"

- NOTE:**
- Where applicable, all ceiling mounted light fixtures to be in-line with shiplap boards unless otherwise noted.
  - Where alignment of light fixtures as noted and 'note 1' are contradictory note 1 takes precedent.
  - All finished ceiling heights dimensioned from top of finished floor below.
  - All lighting to be dimmable.

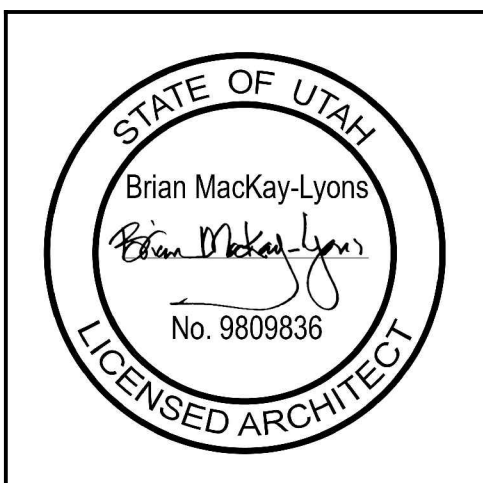
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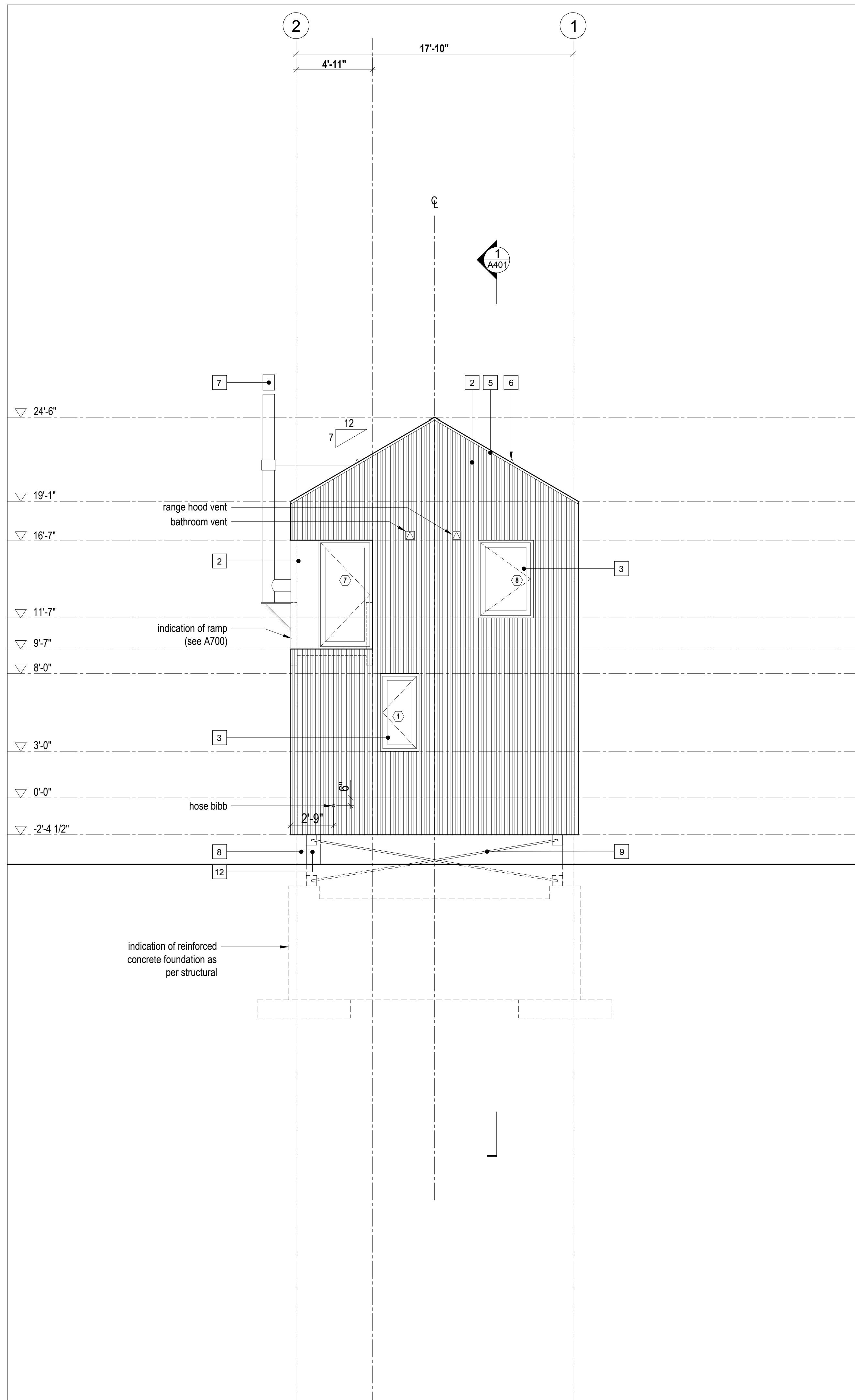
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Cabin 1000

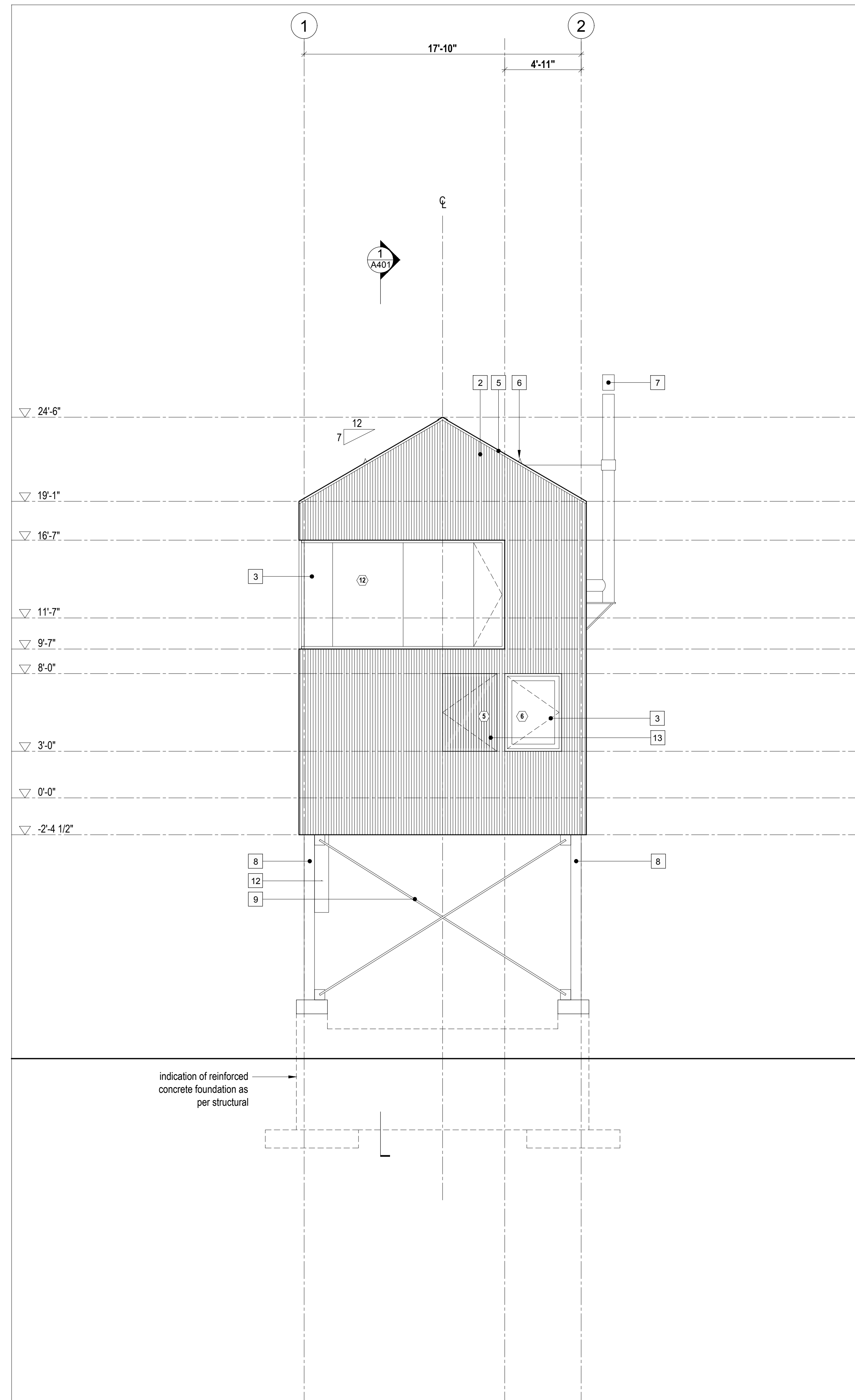
Reflected Ceiling Plans

scale: 1/4" = 1'-0"  
date: 16-08-05  
drawn: MJ  
chk'd: BML

A201



2 Exterior Elevation  
Scale 1/4" = 1'-0"



1 Exterior Elevation  
Scale 1/4" = 1'-0"

- LEGEND
- 1 fire retardant pressure treated cedar shingles - 6" exposure
  - 2 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile
  - 3 anodized aluminum framed glazing system - see window/door schedule
  - 4 anodized aluminum framed sliding glazing system - see window/door schedule
  - 5 clear anodized aluminum flashing
  - 6 snow bracket
  - 7 stainless steel chimney
  - 8 galvanized steel column; as per structural
  - 9 galvanized steel bracing; as per structural
  - 10 side-mounted tempered glass guard
  - 11 not used
  - 12 insulated steel service chase; galvanized finish to match bracing - see mechanical for locations
  - 13 operable wood screen over glazing

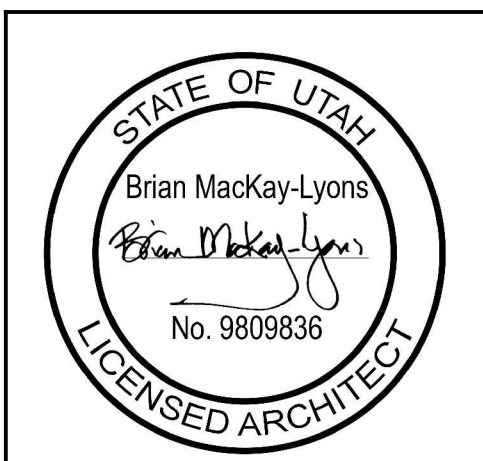
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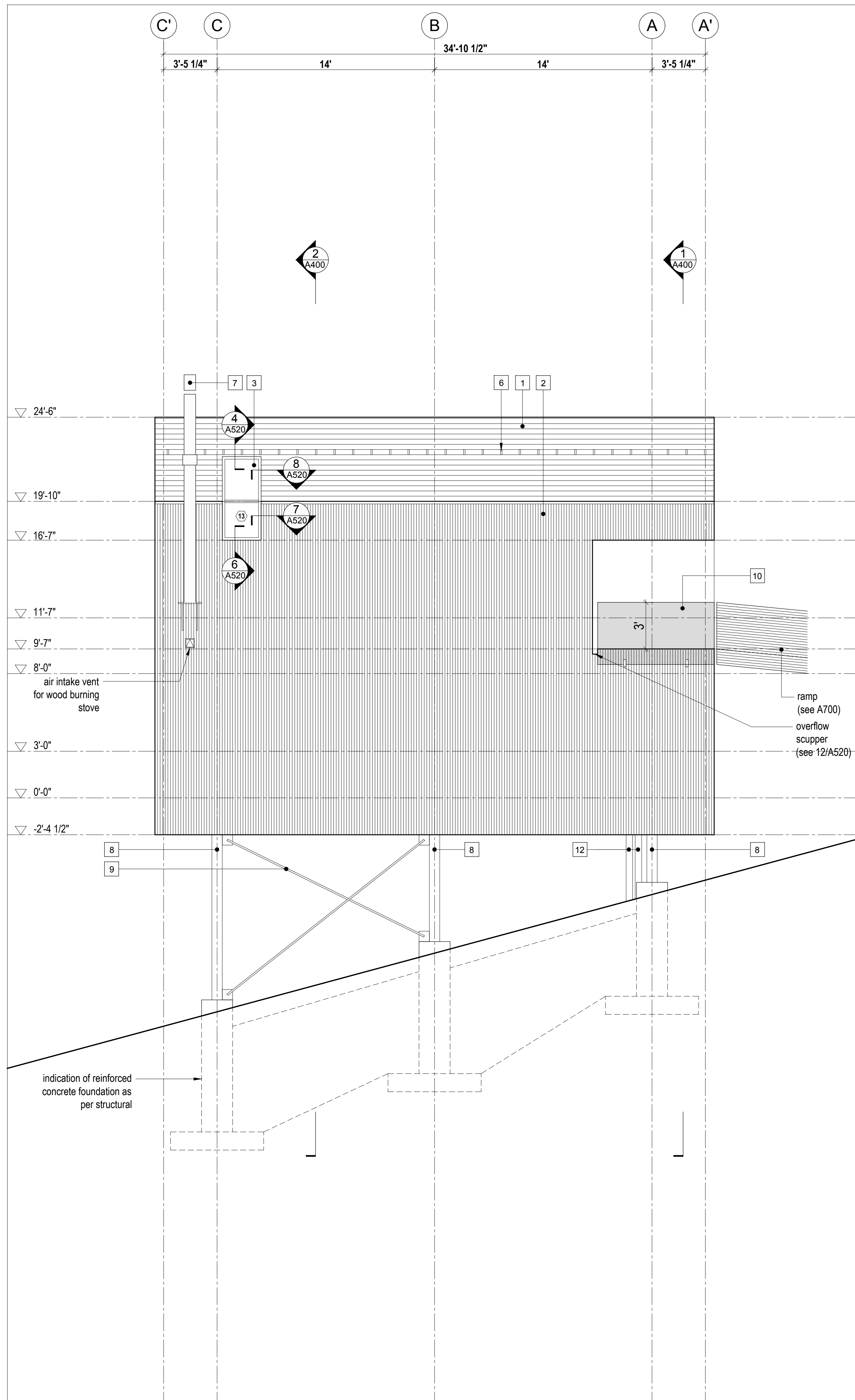
Cabin 1000

Exterior Elevations

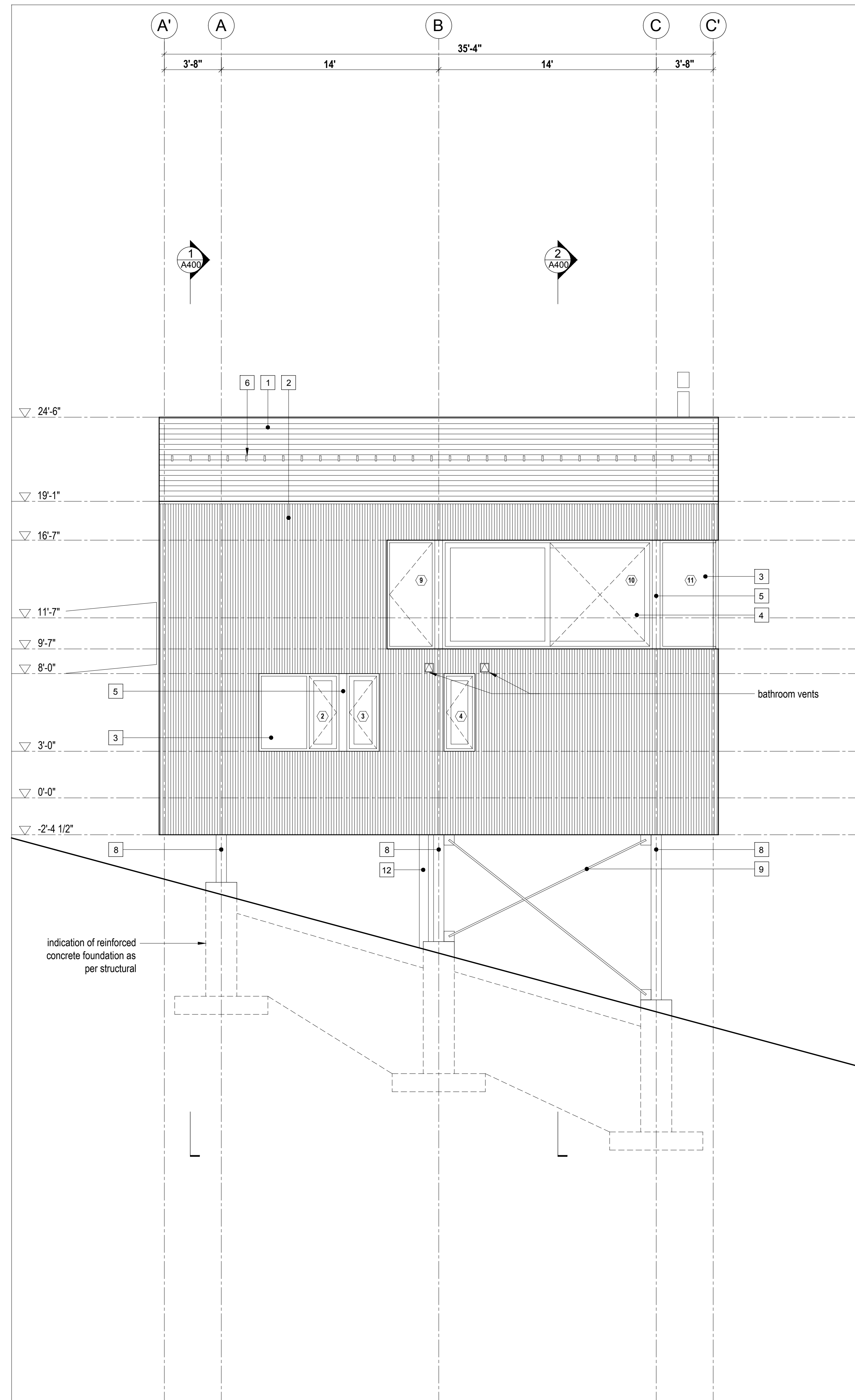
scale: 1/4" = 1'-0"  
date: 16-04-20  
drawn: M.J./J.L.  
chk'd: B.M.L.

A300





2 Exterior Elevation  
Scale 1/4" = 1'-0"



1 Exterior Elevation  
Scale 1/4" = 1'-0"

- LEGEND**
- 1 fire retardant pressure treated cedar shingles - 6" exposure
  - 2 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile
  - 3 anodized aluminum framed glazing system - see window/door schedule
  - 4 anodized aluminum framed sliding glazing system - see window/door schedule
  - 5 clear anodized aluminum flashing
  - 6 snow bracket
  - 7 stainless steel chimney
  - 8 galvanized steel column; as per structural
  - 9 galvanized steel bracing; as per structural
  - 10 side-mounted tempered glass guard
  - 11 not used
  - 12 insulated steel service chase; galvanized finish to match bracing - see mechanical for locations
  - 13 operable wood screen over glazing

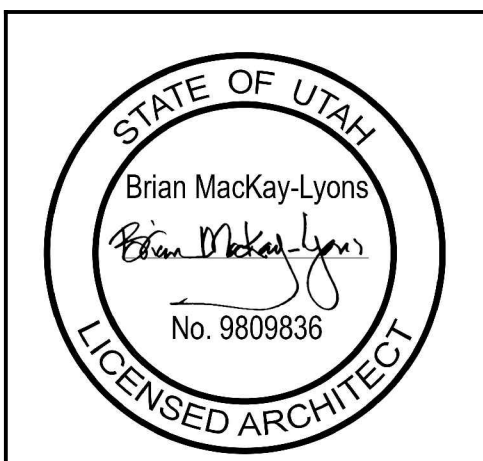
Horizon Neighborhood CABINS

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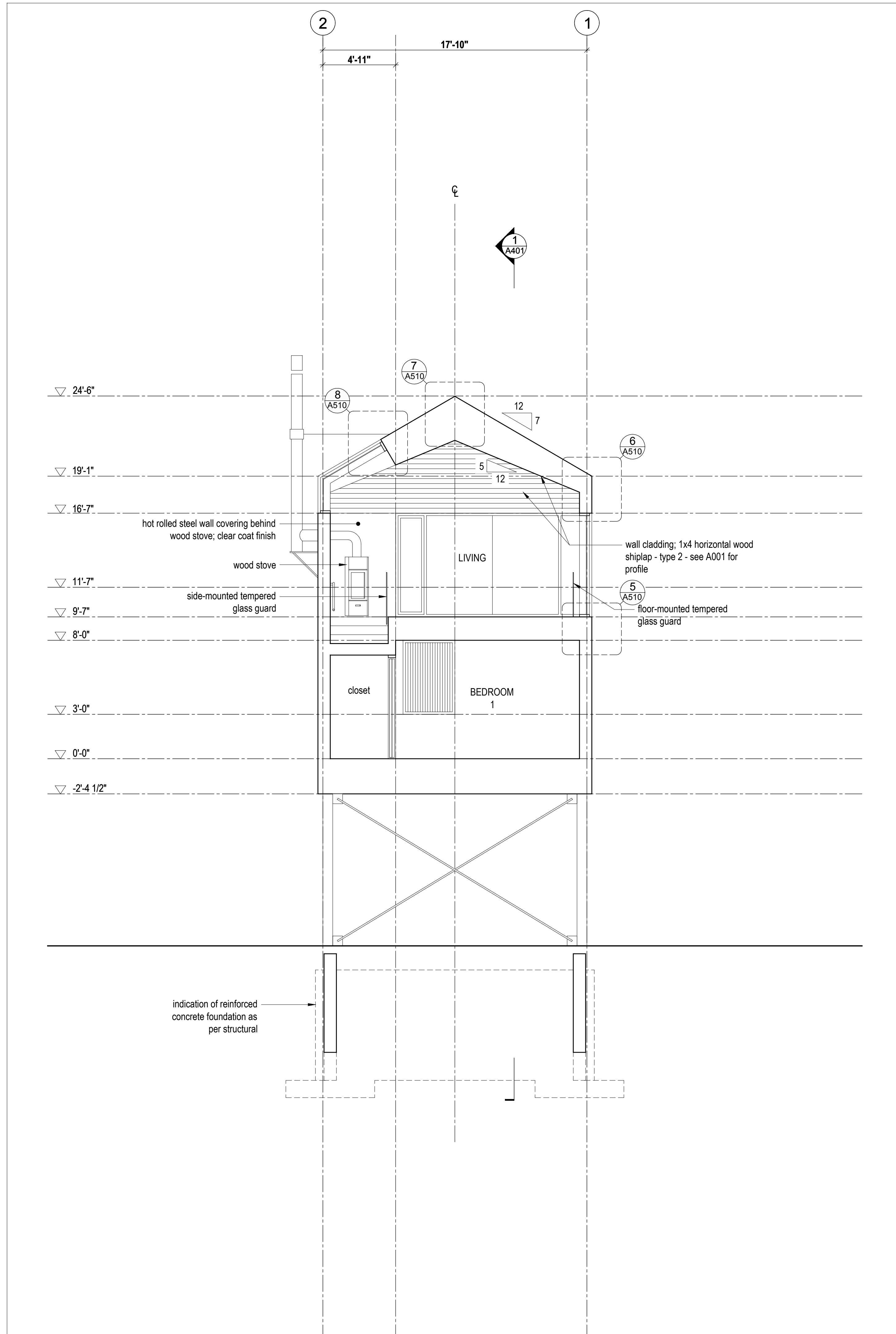
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Cabin 1000

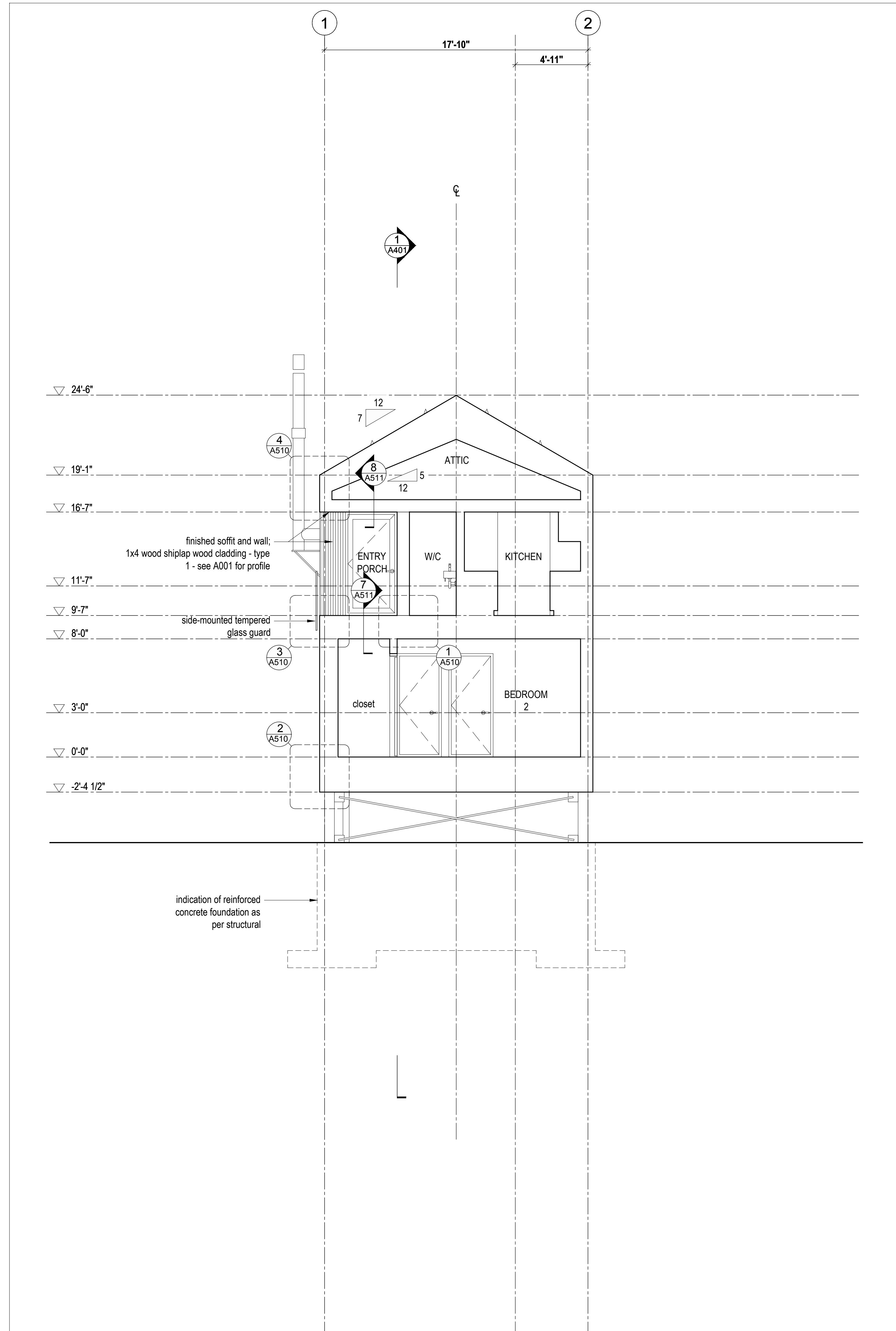
Exterior Elevations

scale: 1/4" = 1'-0"  
date: 16-04-20  
drawn: M.J./J.L.  
chk'd: B.M.L.

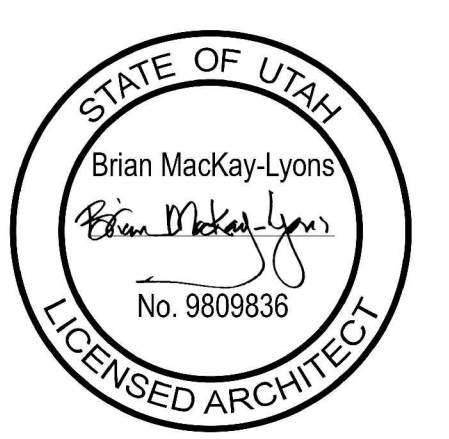
A301



2  
A400 Cross Section  
Scale 1/4" = 1'-0"



1  
A400 Cross Section  
Scale 1/4" = 1'-0"

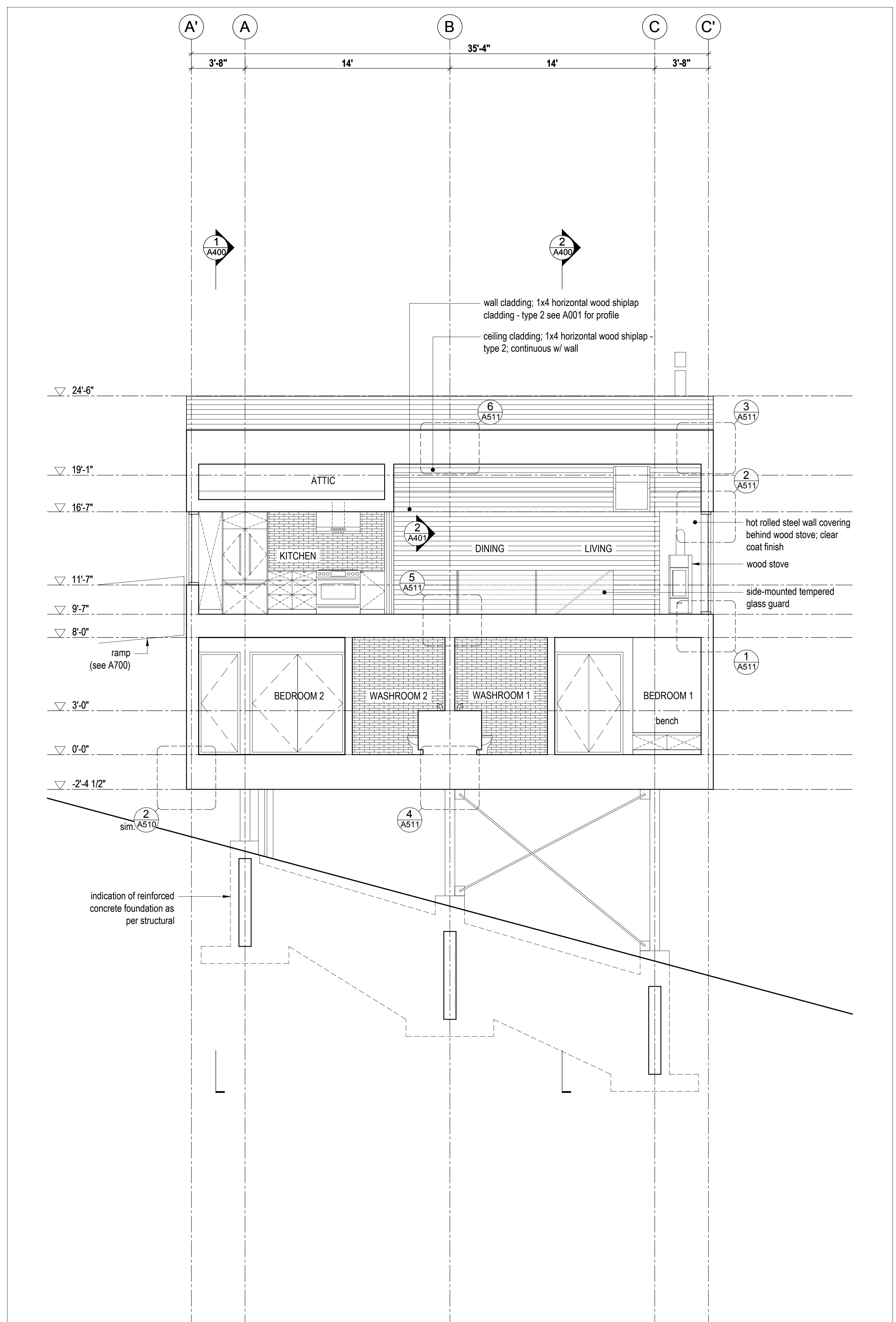


See A102 for room finish schedule

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02	Issued for Construction	17.03.2017
01	Issued for FDN Permit	28.10.2016

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1  
A401 Long Section  
Scale 1/4" = 1'-0"

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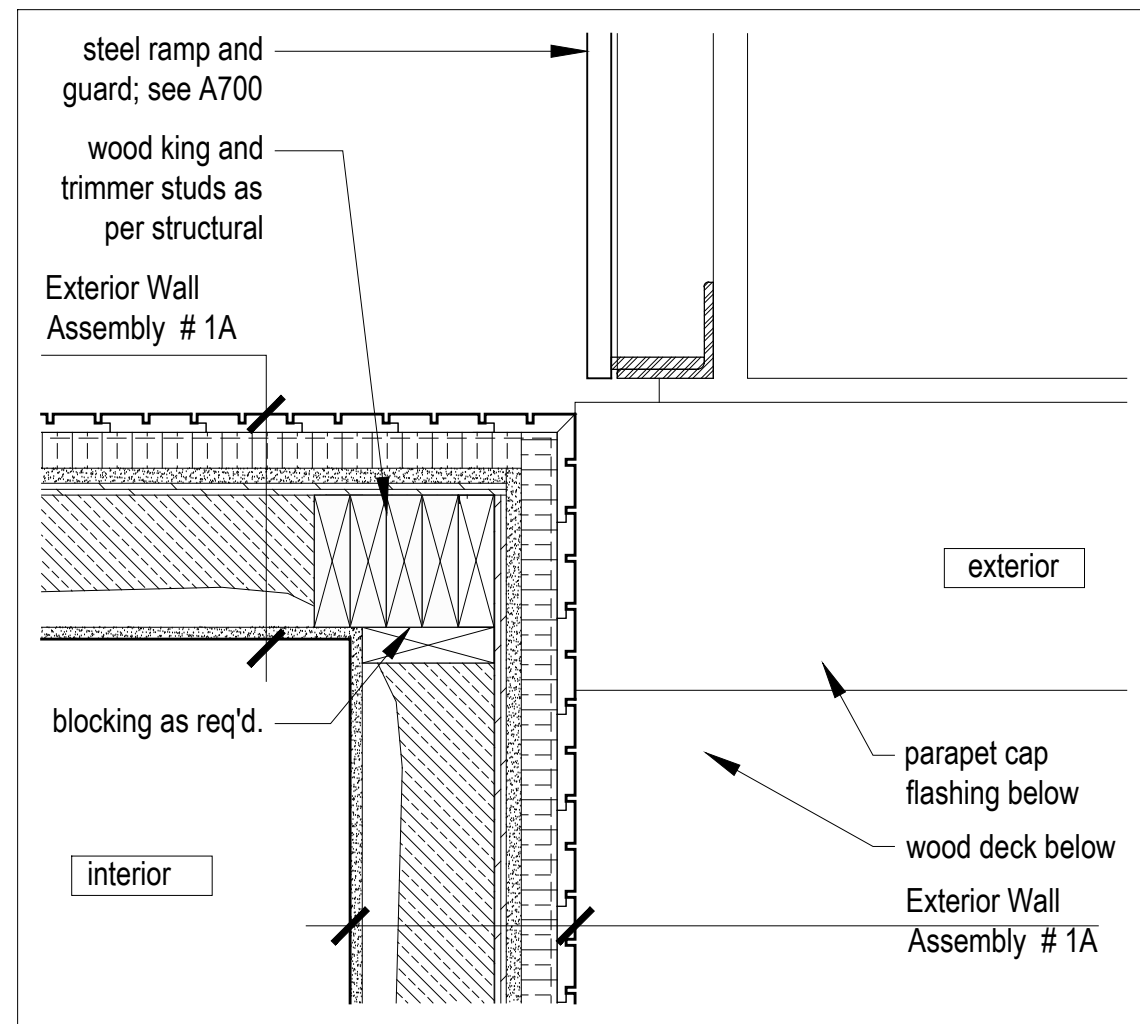
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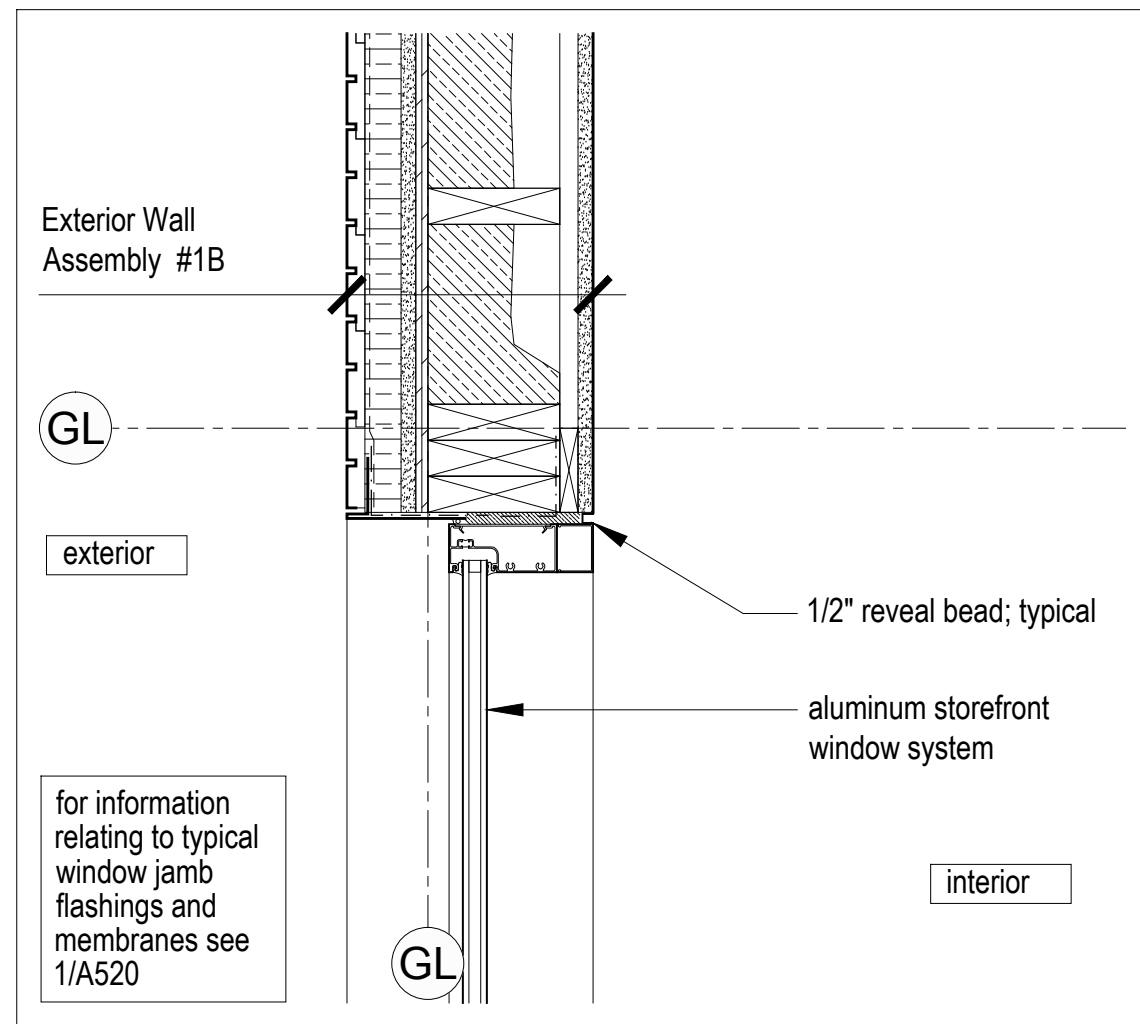
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Cabin 1000  
Building  
Section  
scale: 1/4" = 1'-0"  
date: 16-04-20  
drawn: M.J./J.L.  
chk'd: B.M.L. **A401**



9  
A500 Plan Detail  
Scale 1 1/2" = 1'-0"



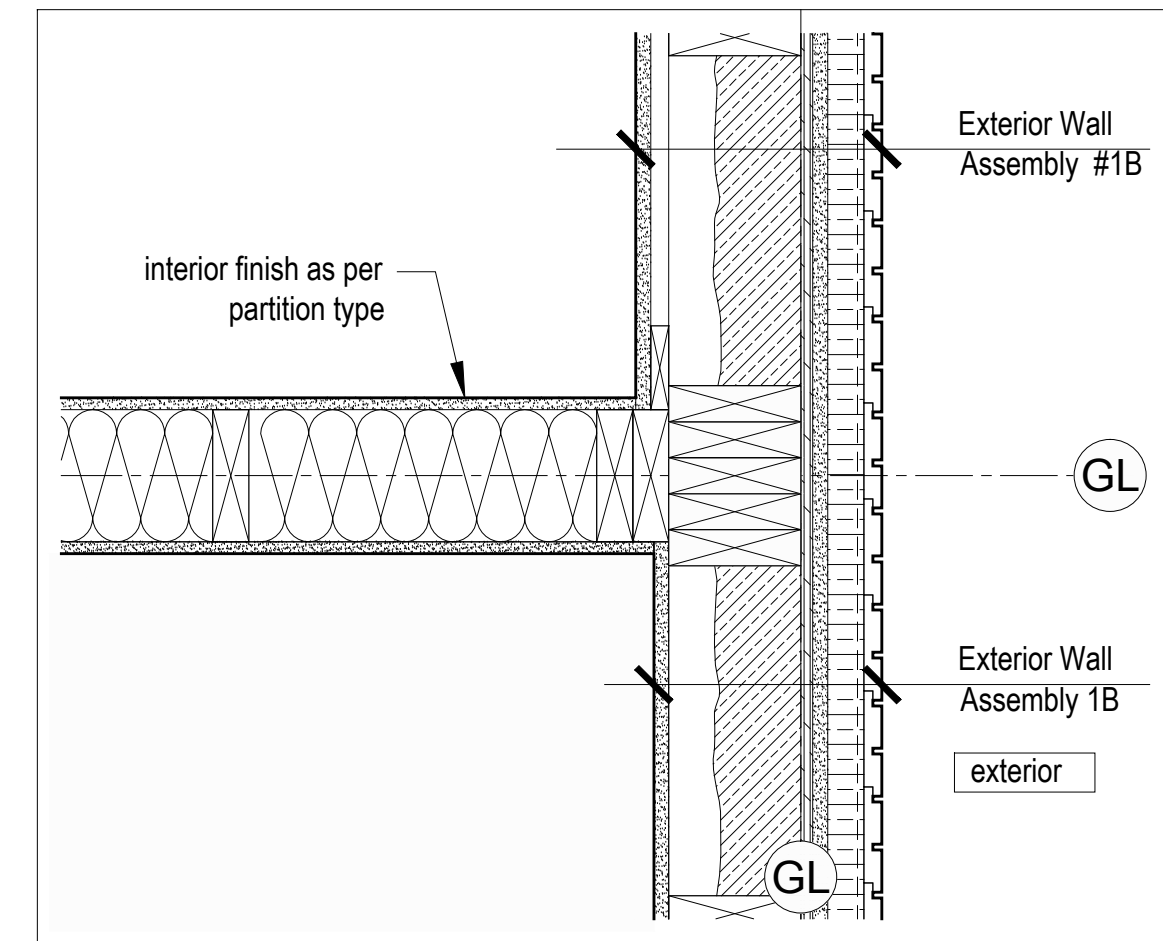
6  
A500 Plan Detail  
Scale 1 1/2" = 1'-0"

**Exterior Wall Assembly 1A**  
+ 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile  
+ rainscreen grid  
+ vapor permeable weather barrier  
+ 1 1/2" XPS rigid insulation (R7.5)  
+ 5/8" type X gypsum sheathing  
+ plywood sheathing as per structural  
+ 2x6 wood studs as per structural  
+ 4" 2lb. sprayfoam insulation (R20) (vapor retarder)  
+ 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas)  
+ refer to wall finish schedule for interior finish

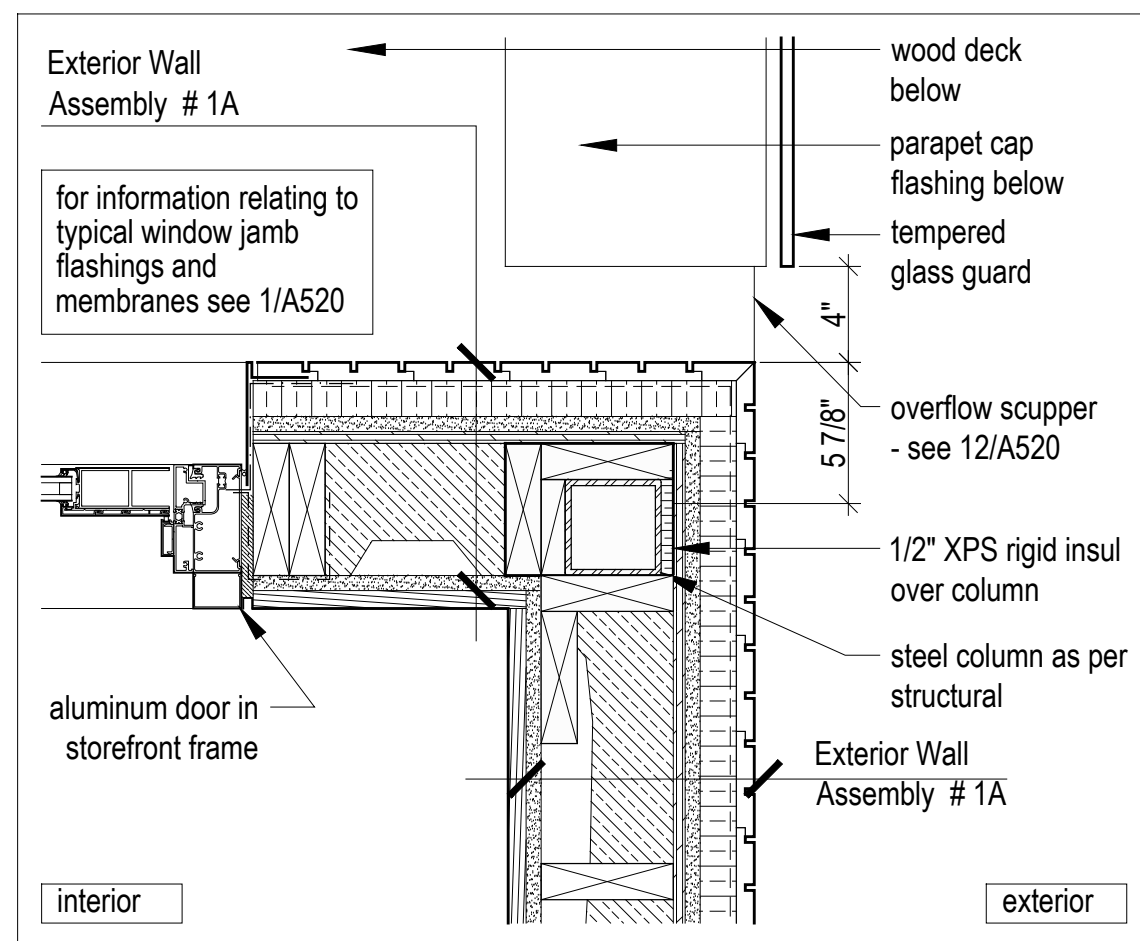
**Exterior Wall Assembly 2**  
+ 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile  
+ rainscreen grid  
+ vapor permeable weather barrier  
+ 1 1/2" XPS rigid insulation (R7.5)  
+ 5/8" type X gypsum sheathing  
+ plywood sheathing as per structural  
+ 2x6 wood studs as per structural  
+ 5/8" type X gypsum sheathing  
+ vapor permeable weather barrier  
+ 1x4 vertical wood shiplap cladding - type 1 - see A001 for profile

**Exterior Wall Assembly 1B**  
+ 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile  
+ rainscreen grid  
+ vapor permeable weather barrier  
+ 1 1/2" XPS rigid insulation  
+ 5/8" type X gypsum sheathing  
+ plywood sheathing as per structural  
+ 2x6 wood studs as per structural  
+ 4" 2lb. sprayfoam insulation (R20) (vapor retarder)  
+ 1x4 wood strapping @ 16" o.c.  
+ 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas)  
+ refer to wall finish schedule for interior finish

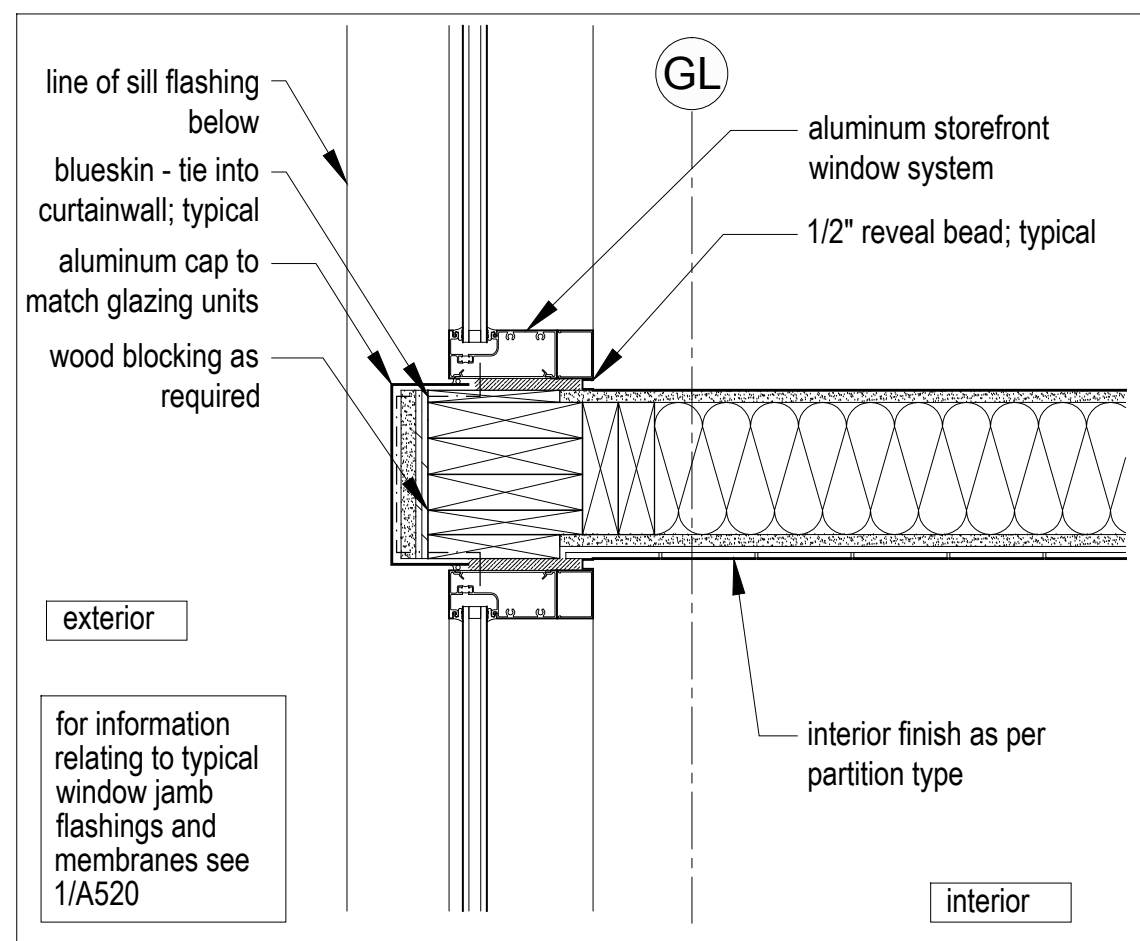
**Exterior Wall Assembly 1C**  
+ 1x4 horizontal shiplap wood cladding - type 1 - see A001 for profile  
+ rainscreen grid  
+ vapor permeable weather barrier  
+ 1 1/2" XPS rigid insulation (R7.5)  
+ 5/8" type X gypsum sheathing  
+ plywood sheathing as per structural  
+ 2x6 wood studs as per structural  
+ 4" 2lb. sprayfoam insulation (R20) (vapor retarder)  
+ 5/8" type X gypsum wallboard  
+ 1x4 horizontal shiplap wood cladding - type 2 - see A001 for profile



1  
A500 Plan Detail  
Scale 1 1/2" = 1'-0"

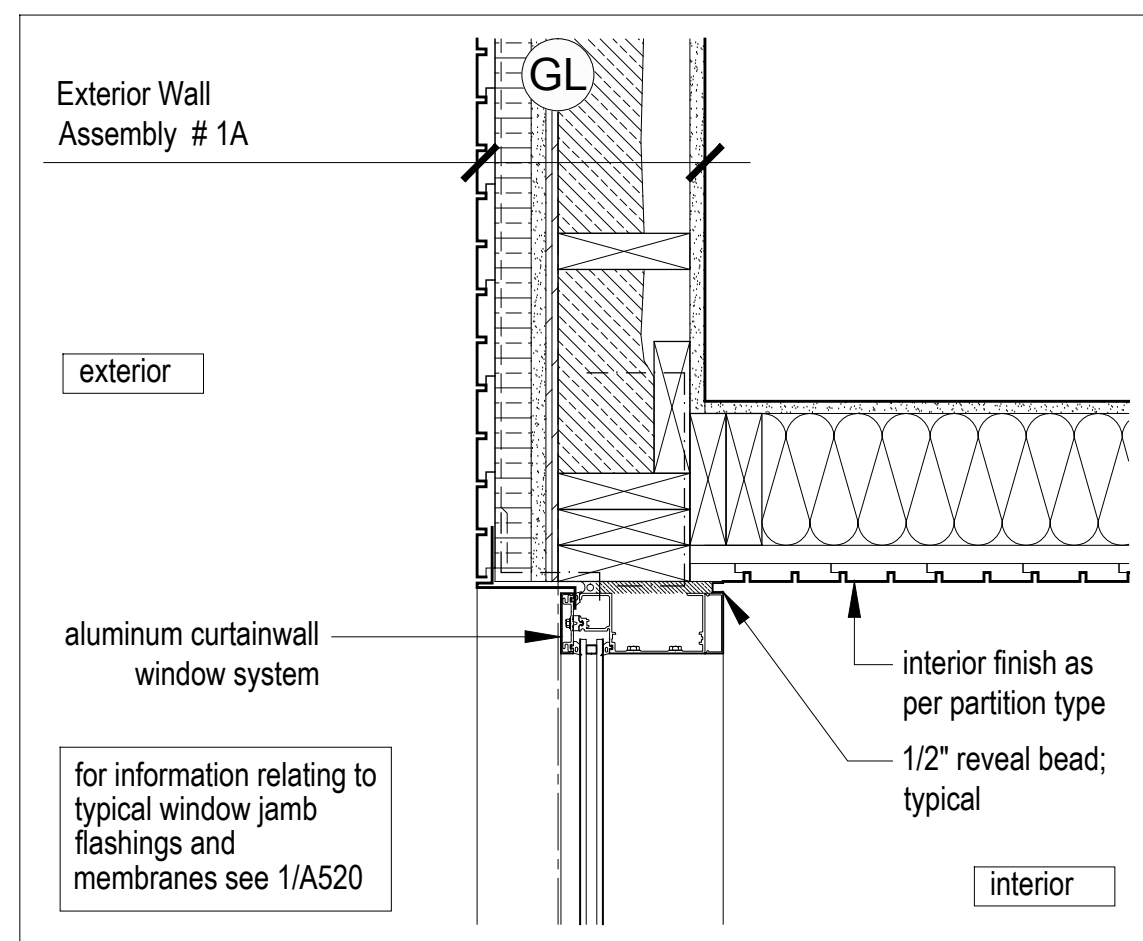


8  
A500 Plan Detail  
Scale 1 1/2" = 1'-0"

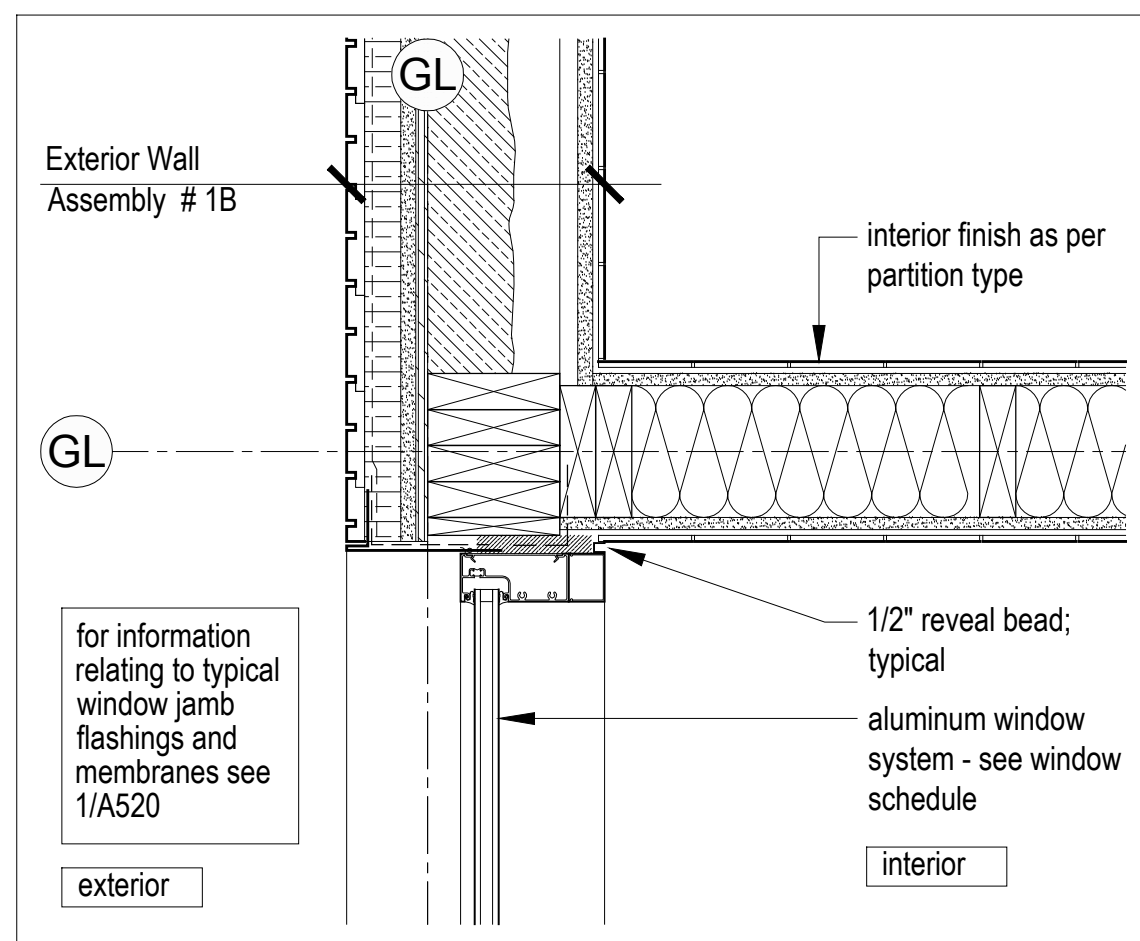


5  
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Scale 1 1/2" = 1'-0"

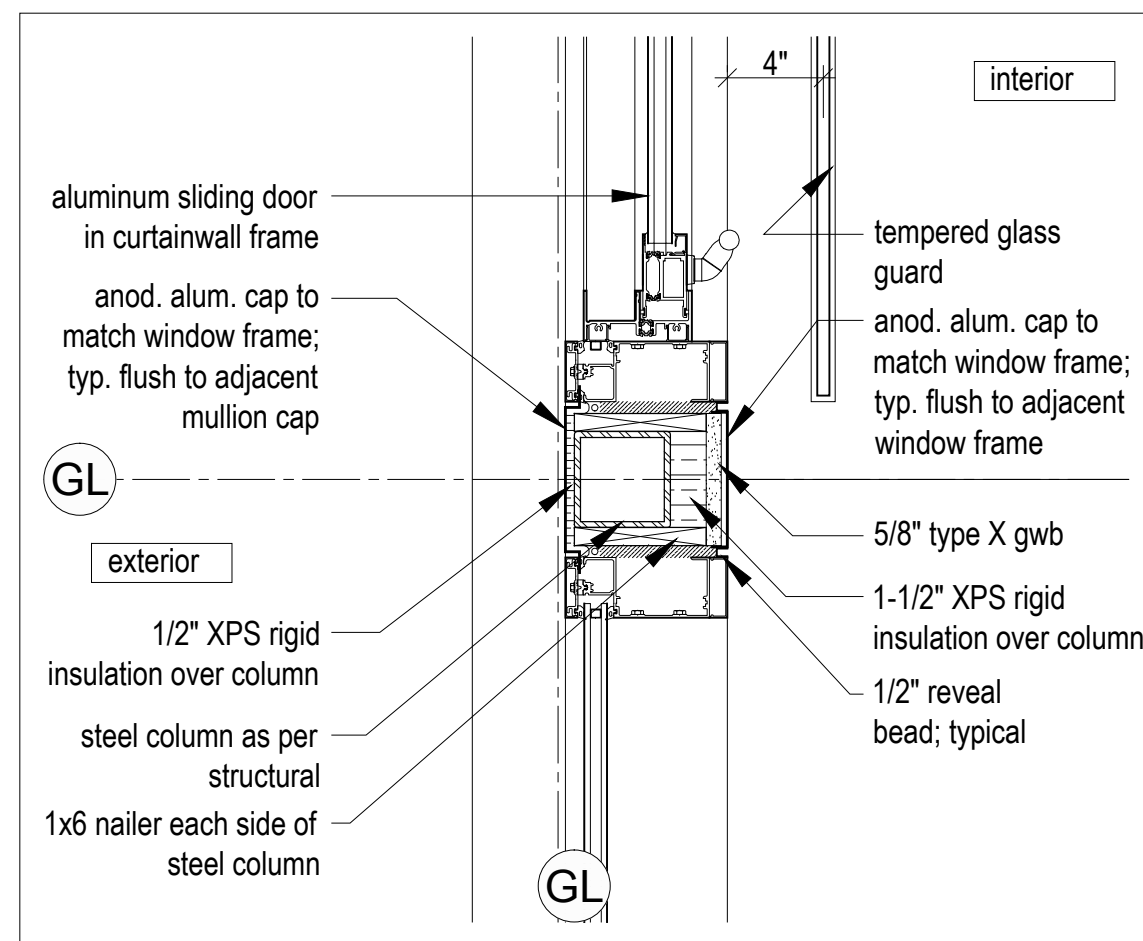
Assemblies  
Scale 1 1/2" = 1'-0"



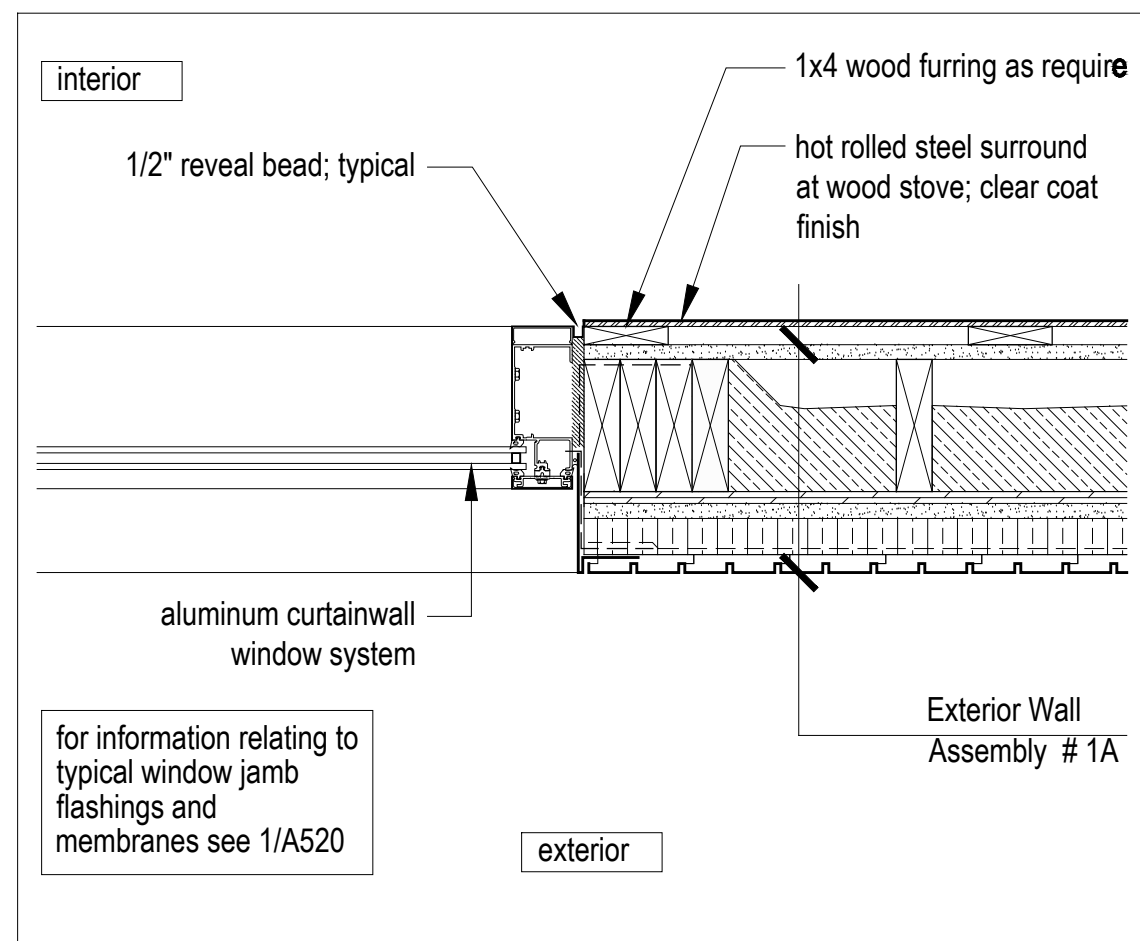
11  
A500 Plan Detail  
Scale 1 1/2" = 1'-0"



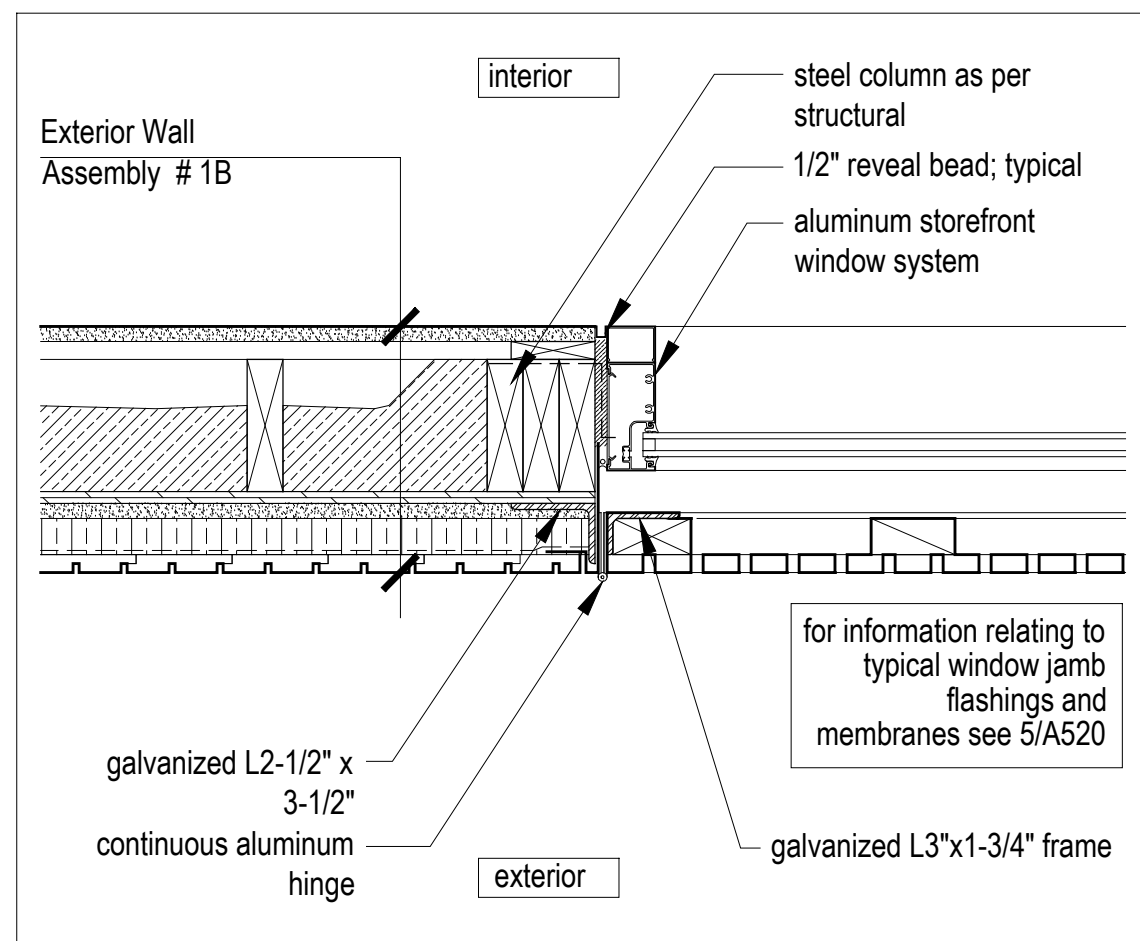
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A500 Plan Detail  
Scale 1 1/2" = 1'-0"



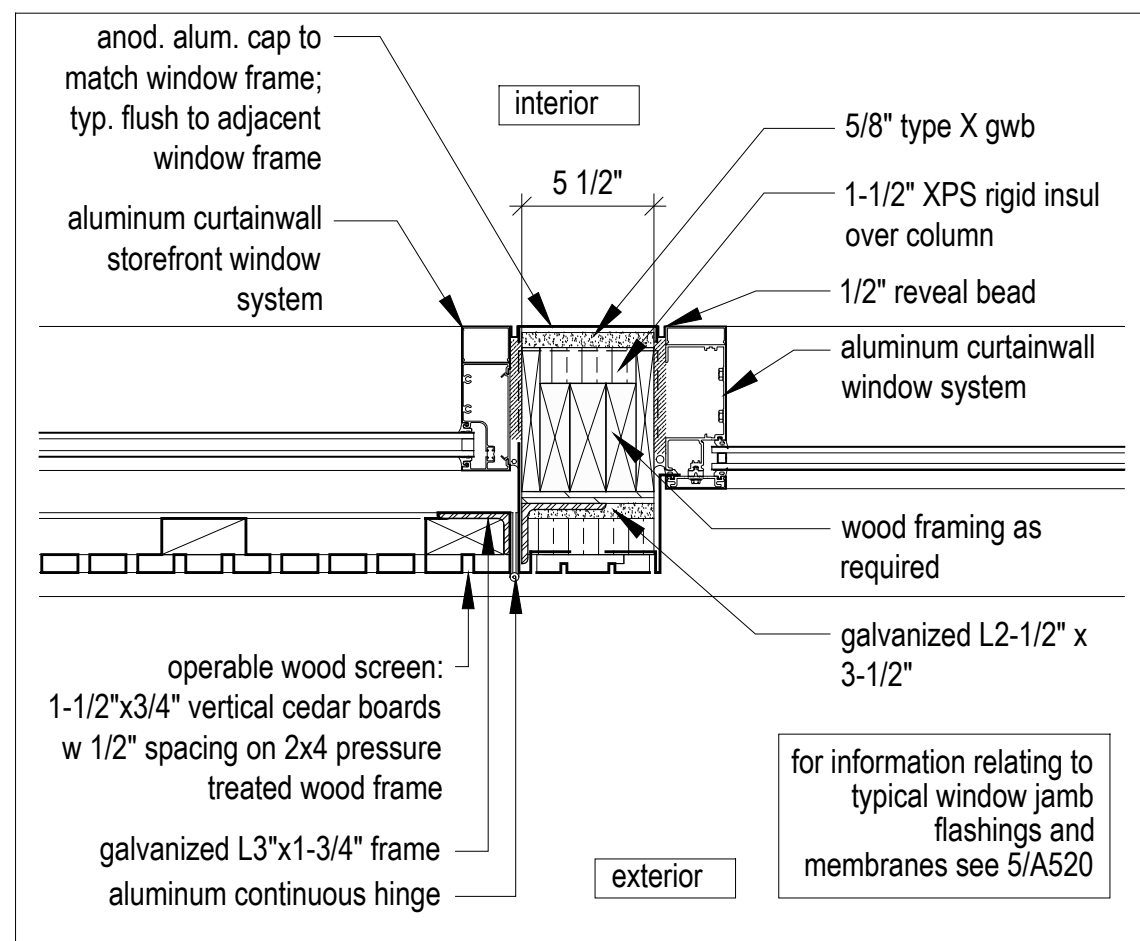
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A500 Plan Detail  
Scale 1 1/2" = 1'-0"



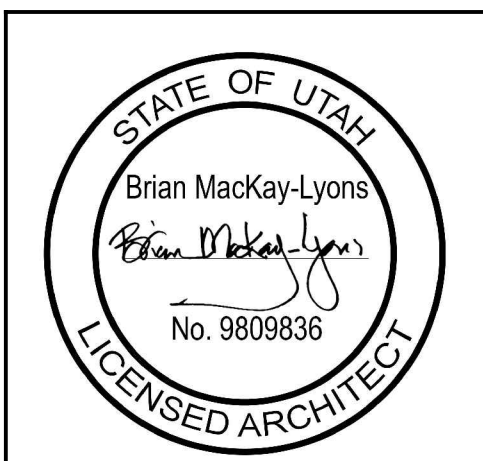
7  
A500 Plan Detail  
Scale 1 1/2" = 1'-0"



3  
A500 Plan Detail  
Scale 1 1/2" = 1'-0"

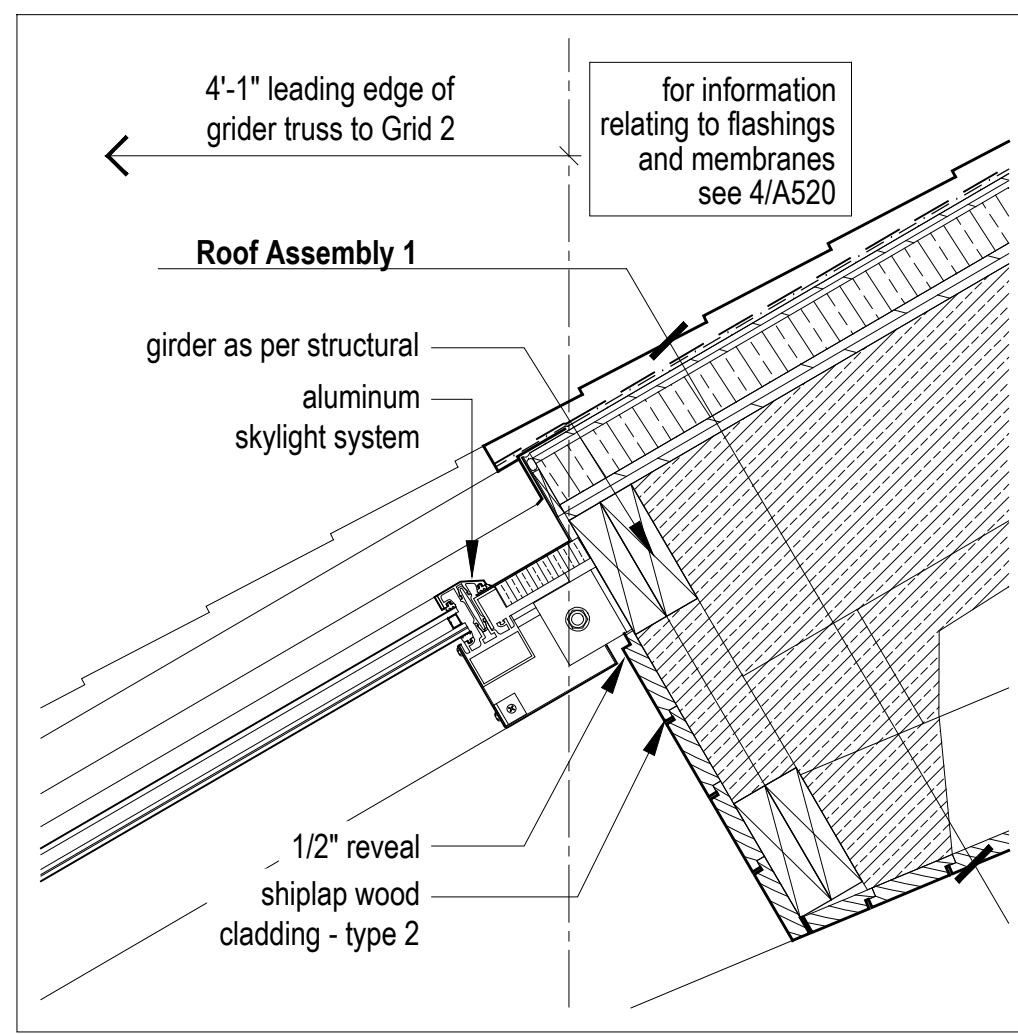


2  
A500 Plan Detail  
Scale 1 1/2" = 1'-0"

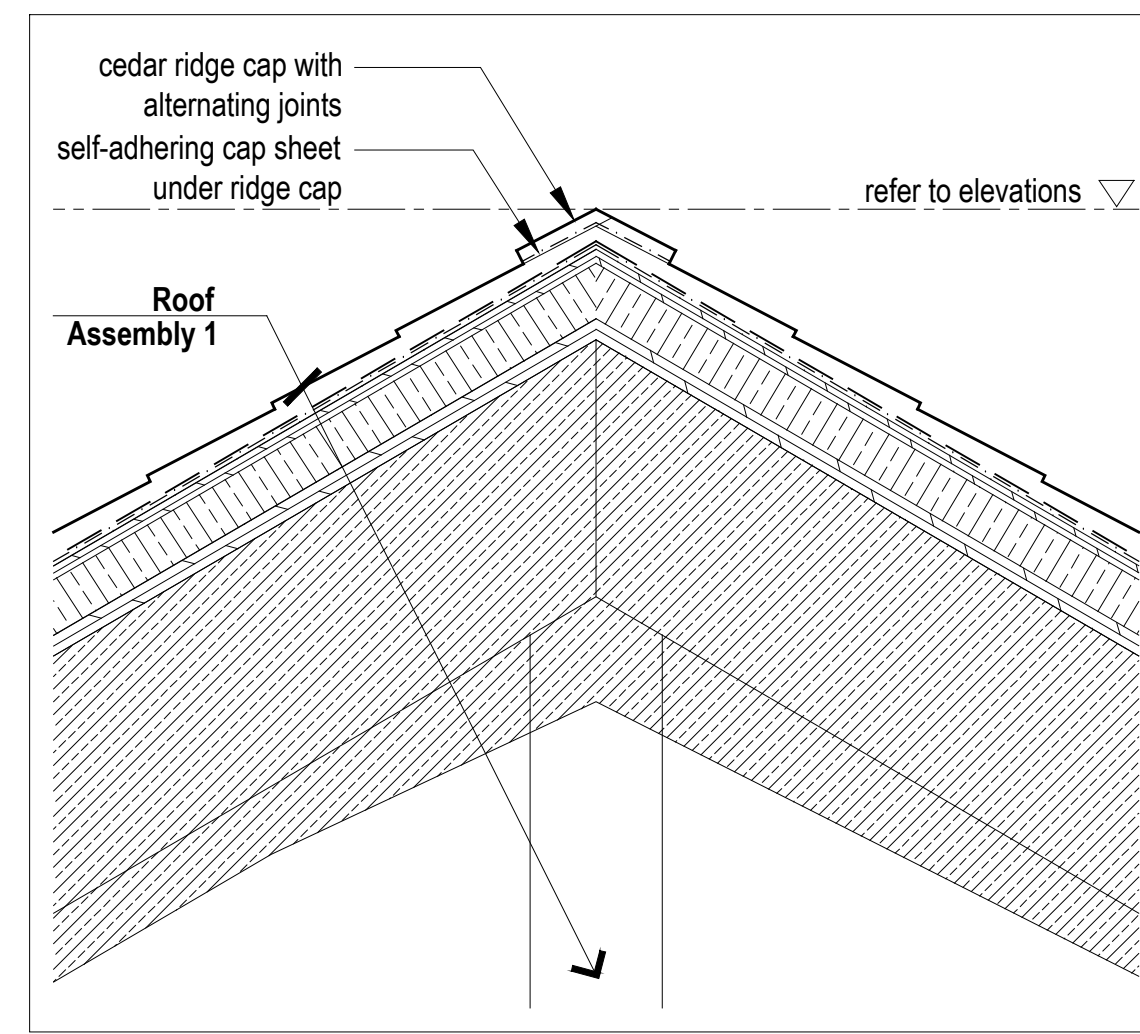


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01	Issued for Construction	17.03.2017

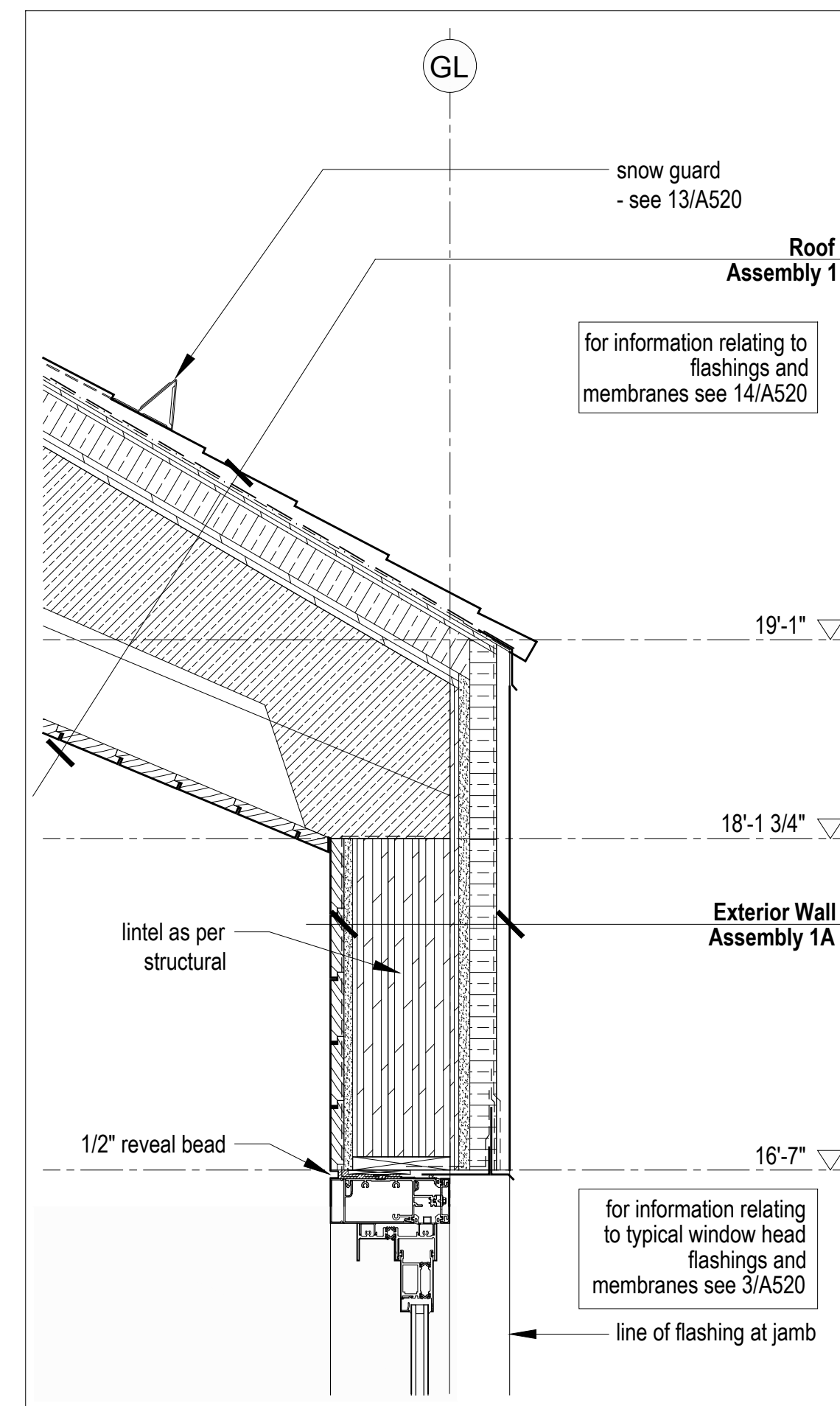
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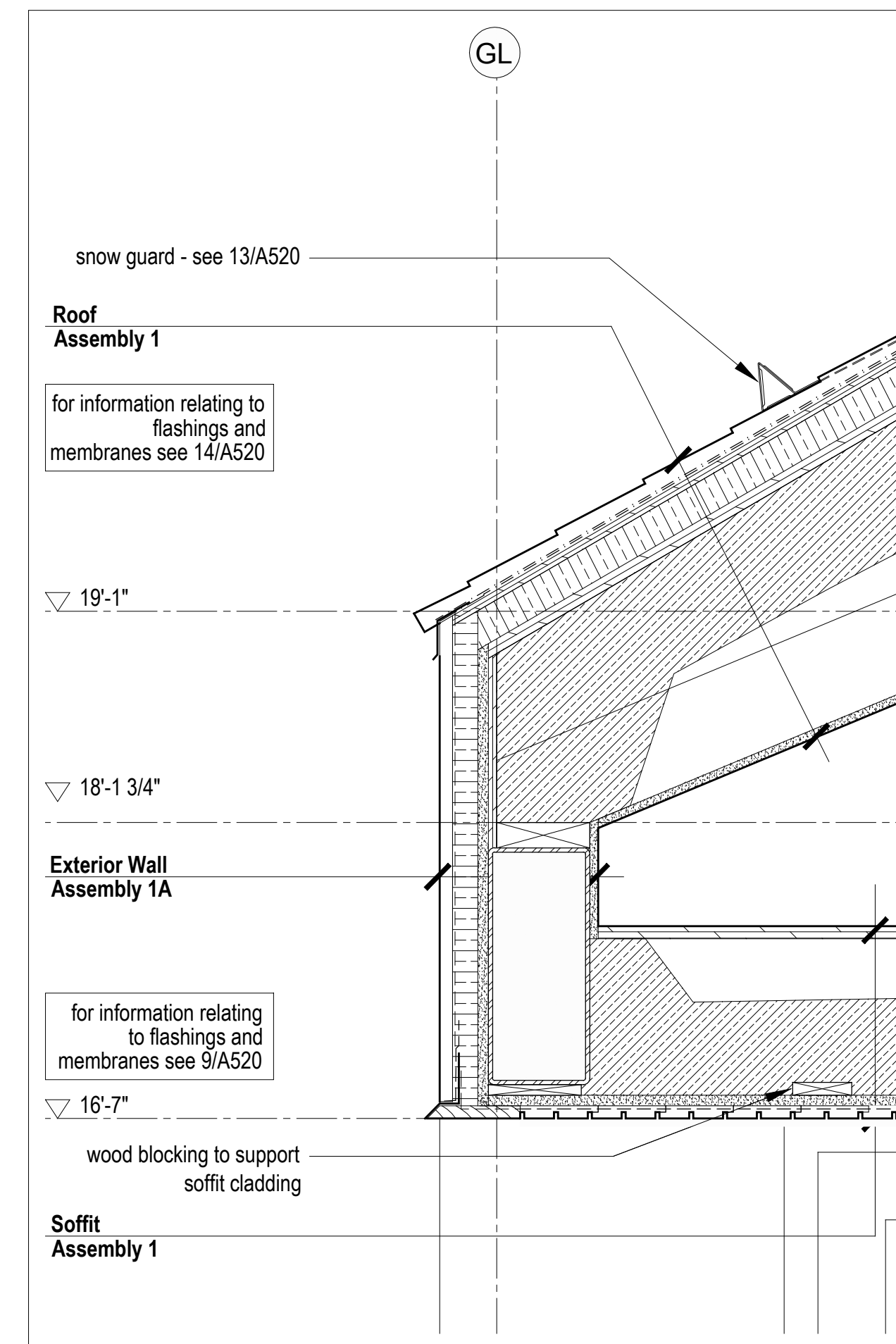
8  
A510  
**Head Detail at Skylight Window**  
Scale 1 1/2" = 1'-0"



7  
A510  
**Typical Section Detail @ Ridge**  
Scale 1 1/2" = 1'-0"



6  
A510  
**Typical Eave and Window Head Detail**  
Scale 1 1/2" = 1'-0"



4  
A510  
**Section Detail @ Entry Porch Soffit**  
Scale 1 1/2" = 1'-0"

**Roof Assembly 1**

- + 'Class B' fire retardant pressure treated cedar shingles
- + rainscreen grid
- + 'Class A' mineral-surfaced cap sheet
- + self-adhering sheet roof membrane underlayment
- + 1/2" exterior grade plywood
- + 2" XPS rigid insulation (R10)
- + plywood sheathing as per structural
- + wood trusses as per structural
- + 6" 2lb. closed cell sprayfoam insulation (R30) (vapor retarder)
- + interior sprinkler system as per A101 code review
- + 3/4" shiplap wood cladding - type 2 - see A001 for profile

**Roof Assembly 2**

- + 'Class B' fire retardant pressure treated cedar shingles
- + rainscreen grid
- + 'Class A' mineral-surfaced cap sheet
- + self-adhering sheet roof membrane underlayment
- + 1/2" exterior grade plywood
- + 2" XPS rigid insulation (R10)
- + plywood sheathing as per structural
- + wood trusses as per structural
- + 5/8" type X gypsum sheathing
- + vapor permeable weather barrier
- + 3/4" shiplap wood cladding - type 2 - see A001 for profile

**Floor Assembly 1**

- + 3" concrete topping w/ in-floor heating
- + plywood sheathing as per structural
- + wood floor joists as per structural
- + wood furring as required
- + interior sprinkler system as per A101 code review
- + 3/4" shiplap wood cladding - type 2 - see A001 for profile

**Floor Assembly 2**

- + 3" concrete topping w/ in-floor heating
- + plywood sheathing as per structural
- + wood floor joists as per structural
- + interior sprinkler system as per A101 code review
- + 3/4" shiplap wood cladding - type 2 - see A001 for profile

**Floor Assembly 3**

- + palletized wood deck system
- + liquid-applied roofing membrane
- + plywood sheathing as per structural - slope to drain, minimum 2%
- + wood floor joists as per structural; tapered to create slope
- + 6" 2lb. sprayfoam insulation (R30) (vapor retarder)
- + interior sprinkler system as per A101 code review
- + 3/4" shiplap wood cladding - type 2 - see A001 for profile

**Floor Assembly 4**

- + 3" concrete topping w/ in-floor heating
- + plywood sheathing as per structural
- + wood floor joists as per structural
- + 1/2" plywood
- + steel beam as per structural
- + 6" 2lb. sprayfoam insulation (R30) (vapor retarder)
- + 2x4 nailer as required
- + 5/8" type X gypsum sheathing
- + vapour permeable weather barrier
- + rainscreen grid
- + 1x4 wood shiplap cladding - type 1 - see A001 for profile

**Exterior Wall Assembly 1A**

- + 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile
- + rainscreen grid
- + vapor permeable weather barrier
- + 1 1/2" XPS rigid insulation
- + 5/8" type X gypsum sheathing
- + plywood sheathing as per structural
- + 2x6 wood studs as per structural
- + 4" 2lb. sprayfoam insulation (R20) (vapor retarder)
- + 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas)
- + refer to wall finish schedule for interior finish

**Exterior Wall Assembly 1B**

- + 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile
- + rainscreen grid
- + vapor permeable weather barrier
- + 1 1/2" XPS rigid insulation
- + 5/8" type X gypsum sheathing
- + plywood sheathing as per structural
- + 2x6 wood studs as per structural
- + 4" 2lb. sprayfoam insulation (R20) (vapor retarder)
- + 1x4 wood strapping @ 16" o.c.
- + 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas)
- + refer to wall finish schedule for interior finish

**Exterior Wall Assembly 1C**

- + 1x4 horizontal shiplap wood cladding - type 1 - see A001 for profile
- + rainscreen grid
- + vapor permeable weather barrier
- + 1 1/2" XPS rigid insulation (R7.5)
- + 5/8" type X gypsum sheathing
- + plywood sheathing as per structural
- + 2x6 wood studs as per structural
- + 4" 2lb. sprayfoam insulation (R20) (vapor retarder)
- + 5/8" type X gypsum wallboard
- + 1x4 horizontal shiplap wood cladding - type 2 - see A001 for profile

**Exterior Wall Assembly 2**

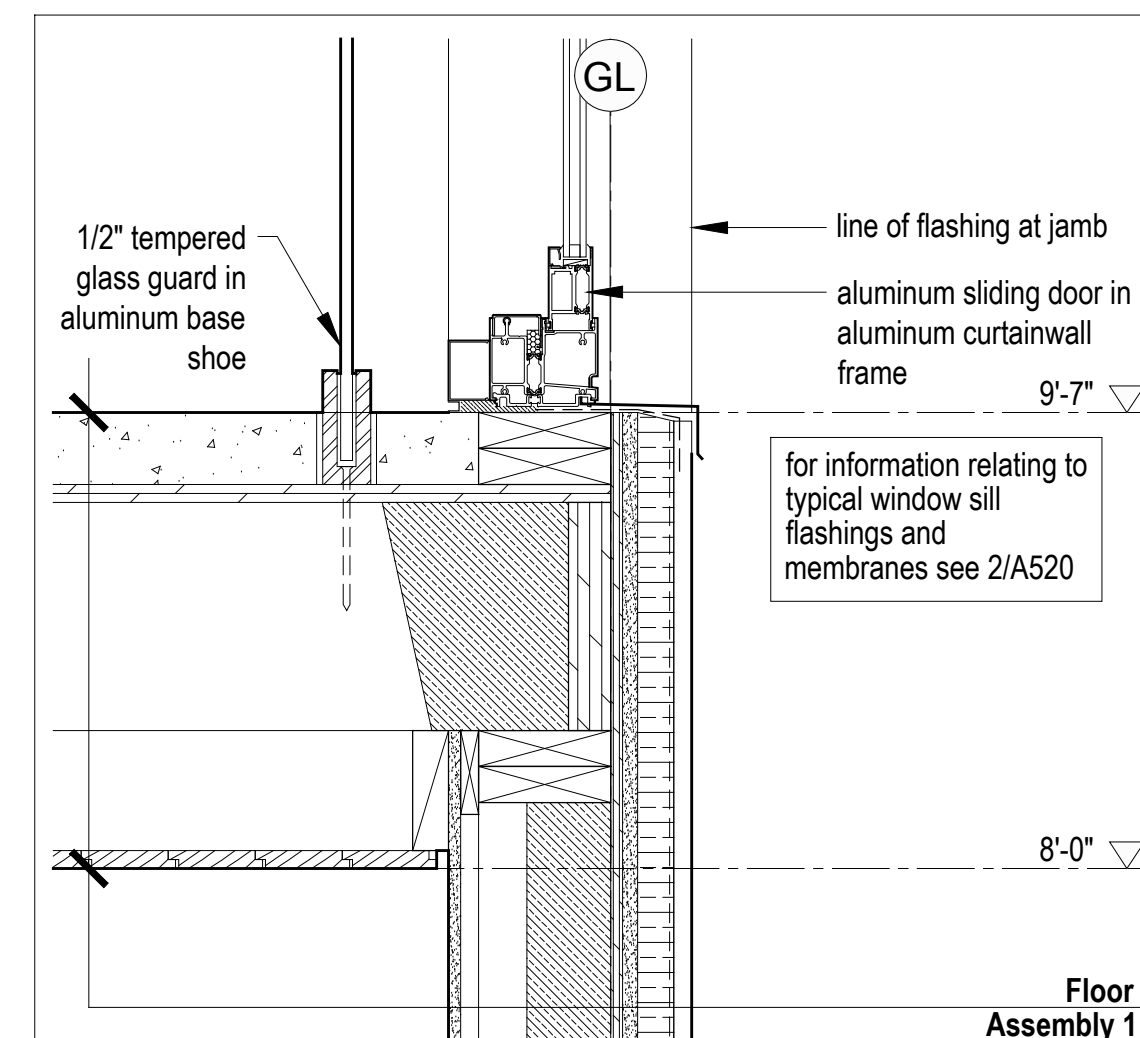
- + 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile
- + rainscreen grid
- + vapor permeable weather barrier
- + 1 1/2" XPS rigid insulation (R7.5)
- + 5/8" type X gypsum sheathing
- + plywood sheathing as per structural
- + 2x6 wood studs as per structural
- + 5/8" type X gypsum sheathing
- + vapor permeable weather barrier
- + 1x4 vertical wood shiplap cladding - type 1 - see A001 for profile

**Exterior Wall Assembly 3**

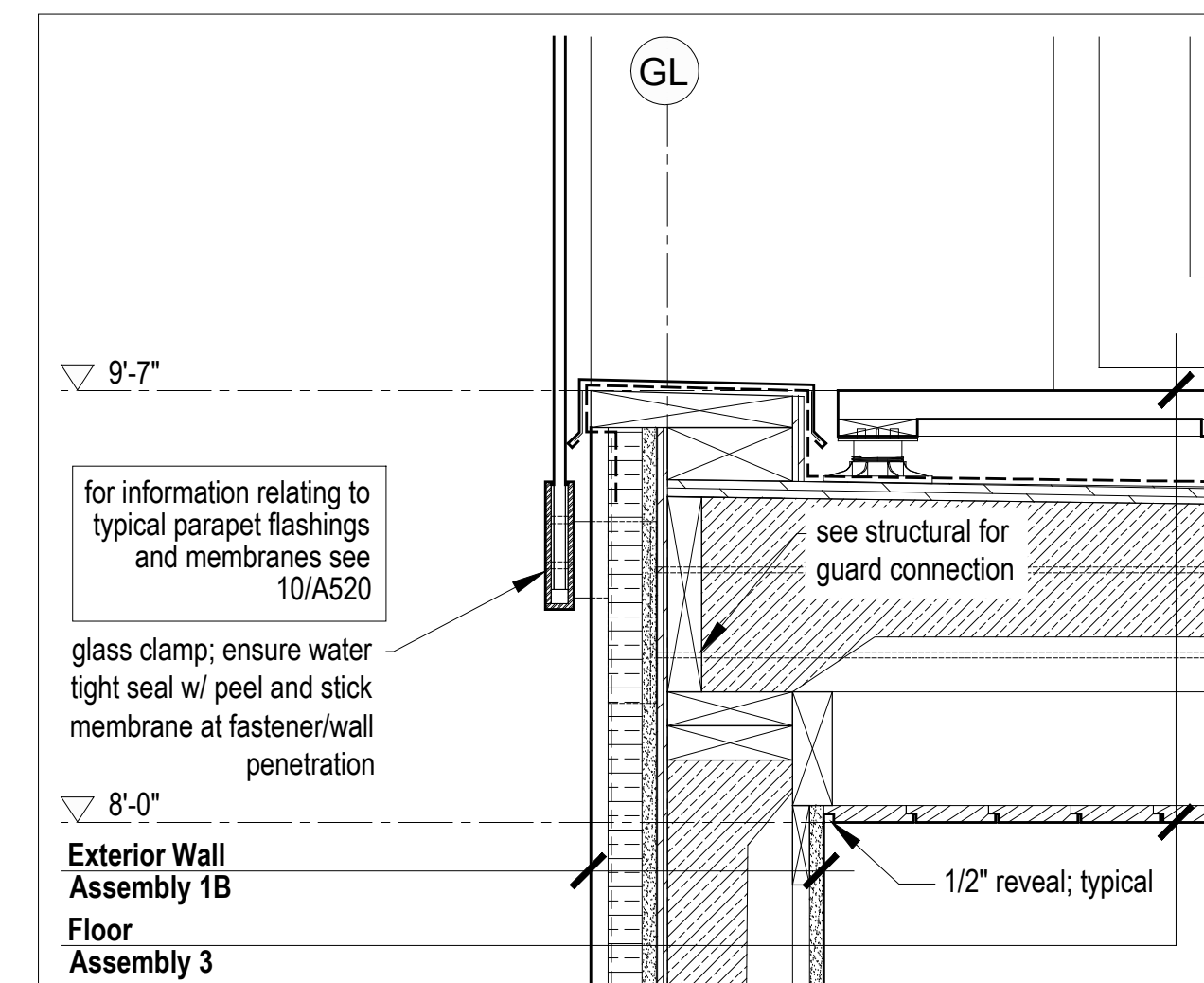
- + 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile
- + rainscreen grid
- + vapor permeable weather barrier
- + 1 1/2" XPS rigid insulation (R7.5)
- + 5/8" type X gypsum sheathing
- + plywood sheathing as per structural
- + 2x6 wood studs as per structural
- + 5/8" type X gypsum sheathing
- + vapor permeable weather barrier
- + 1x4 horizontal wood shiplap cladding - type 2 - see A001 for profile

**Soffit Assembly 1**

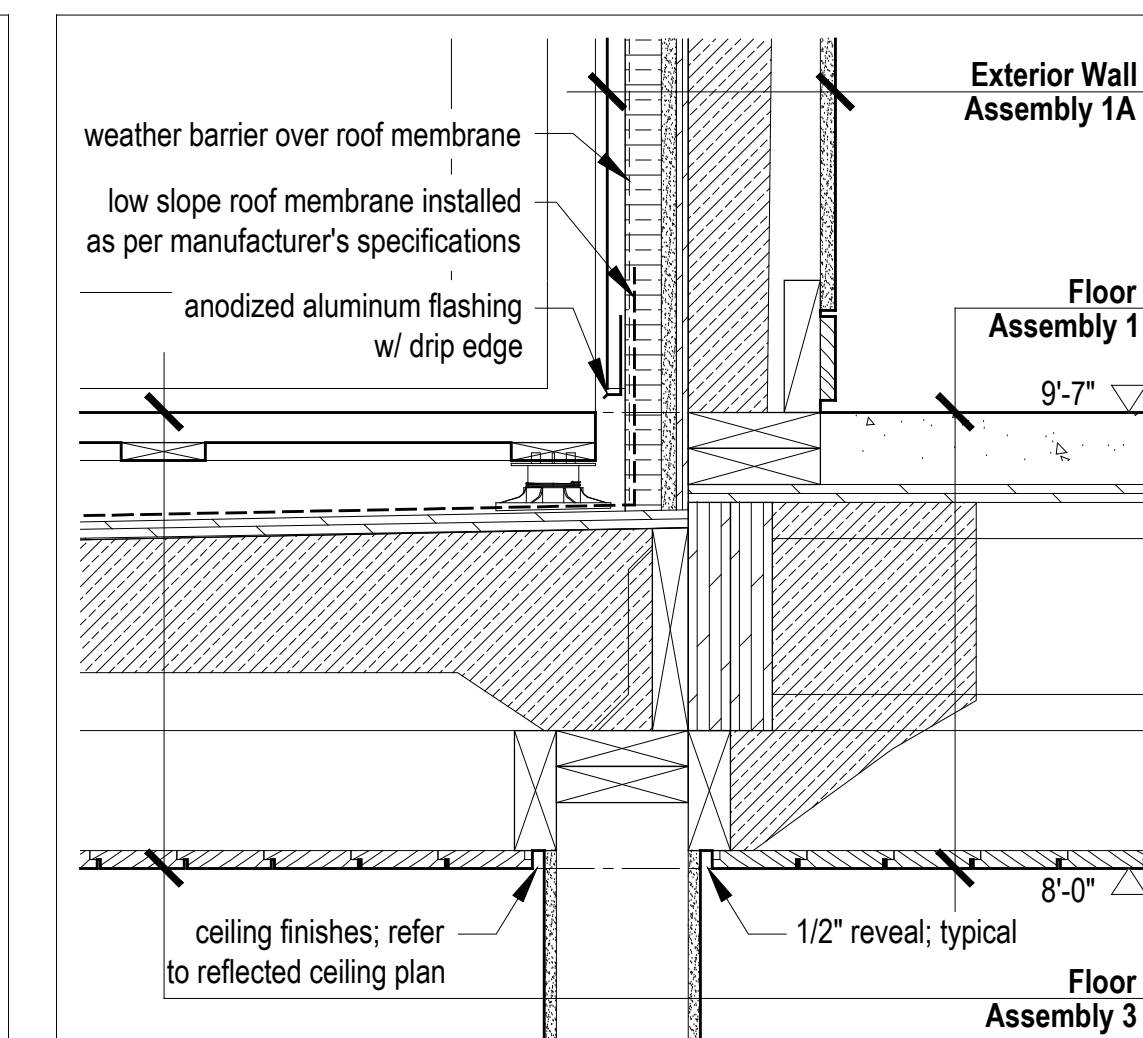
- + 3/4" sheathing
- + 6" 2lb. sprayfoam insulation (R30) (vapor retarder)
- + wood roof joists as per structural
- + 5/8" type X gypsum sheathing
- + vapor permeable weather barrier
- + 1x4 wood shiplap cladding - type 1 - see A001 for profile



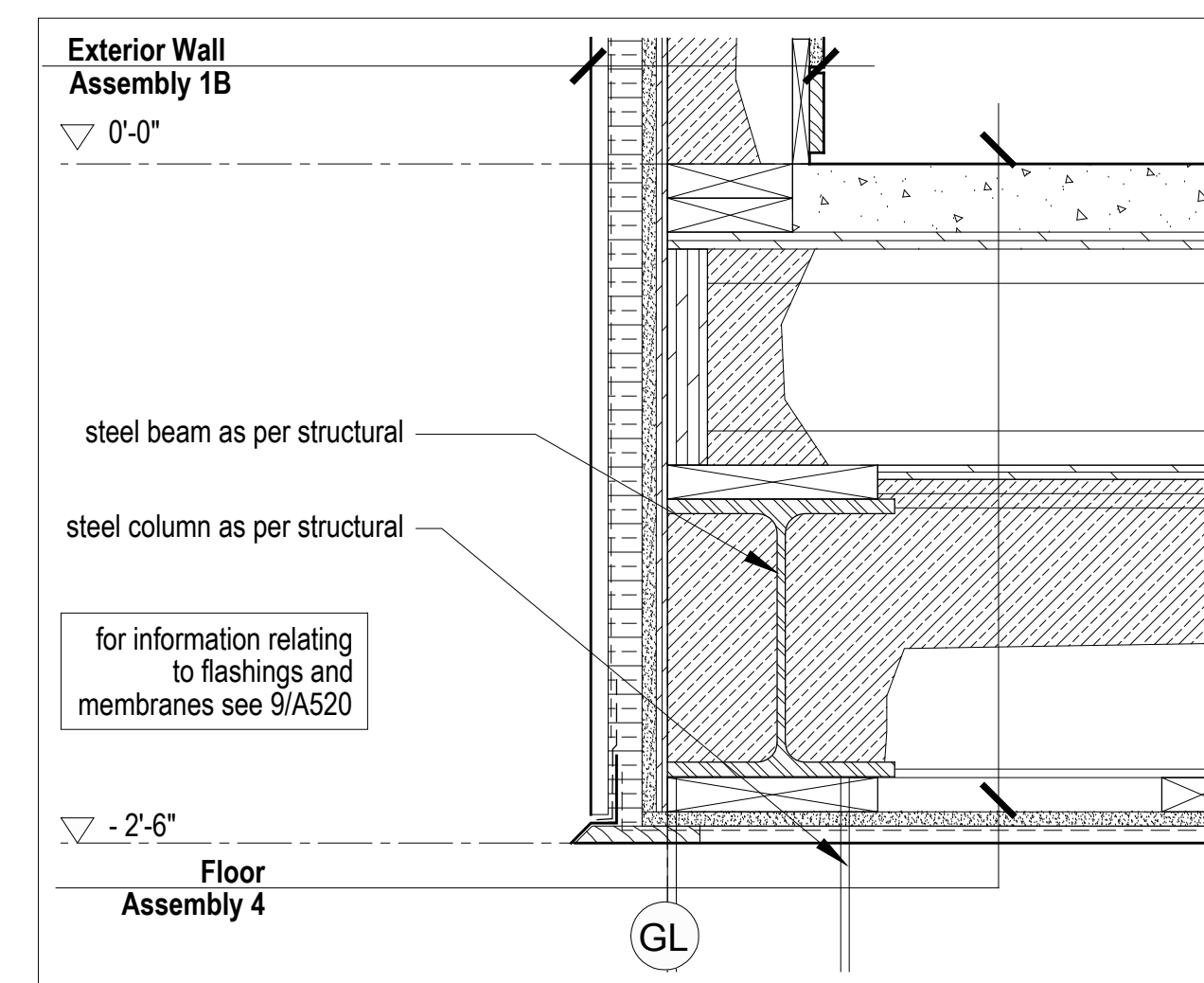
5  
A510  
**Typical Window Sill Detail**  
Scale 1 1/2" = 1'-0"



3  
A510  
**Section Detail at Entry Porch Parapet**  
Scale 1 1/2" = 1'-0"

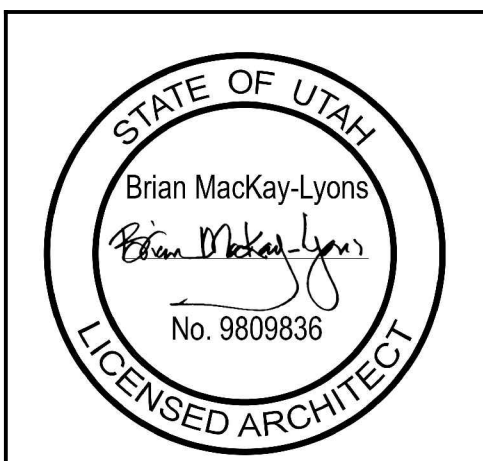


1  
A510  
**Typical Wall / Deck Detail**  
Scale 1 1/2" = 1'-0"



2  
A510  
**Typical Section Detail at Floor/Wall**  
Scale 1 1/2" = 1'-0"

A510  
**Assemblies**  
Scale 1 1/2" = 1'-0"



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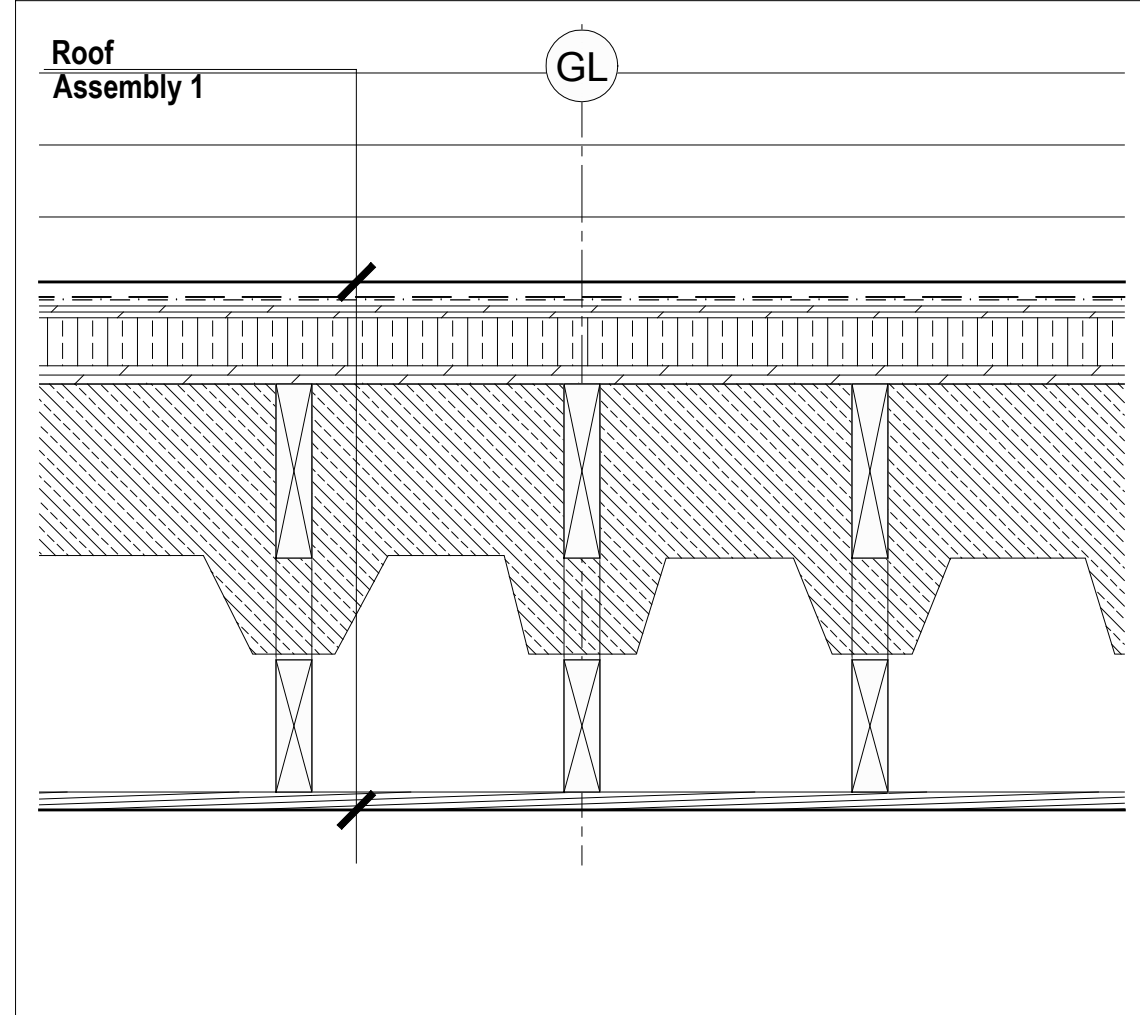
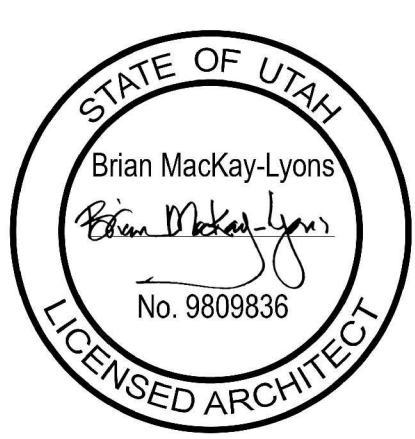
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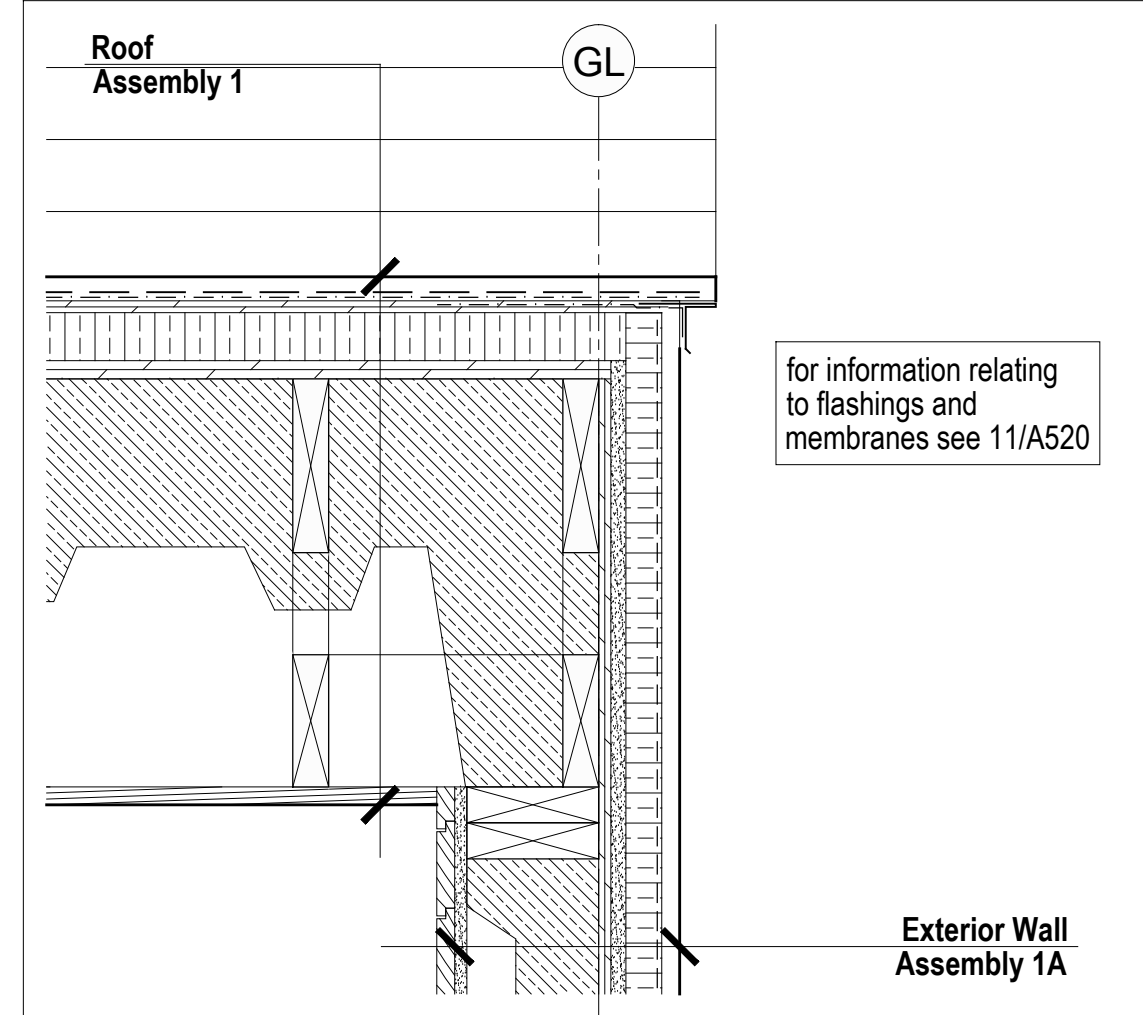
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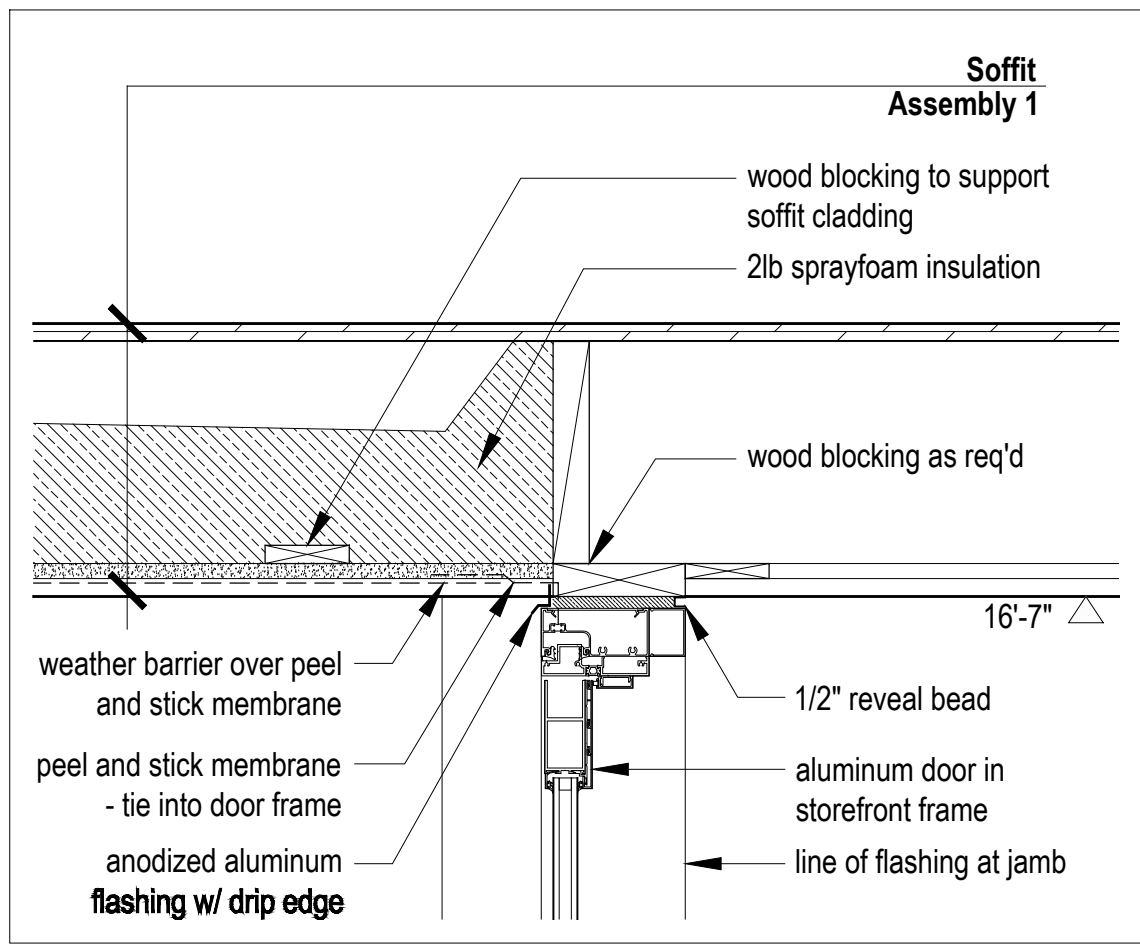


6 Typical Section Detail @ Ceiling and Steel Truss  
Scale 1 1/2" = 1'-0"

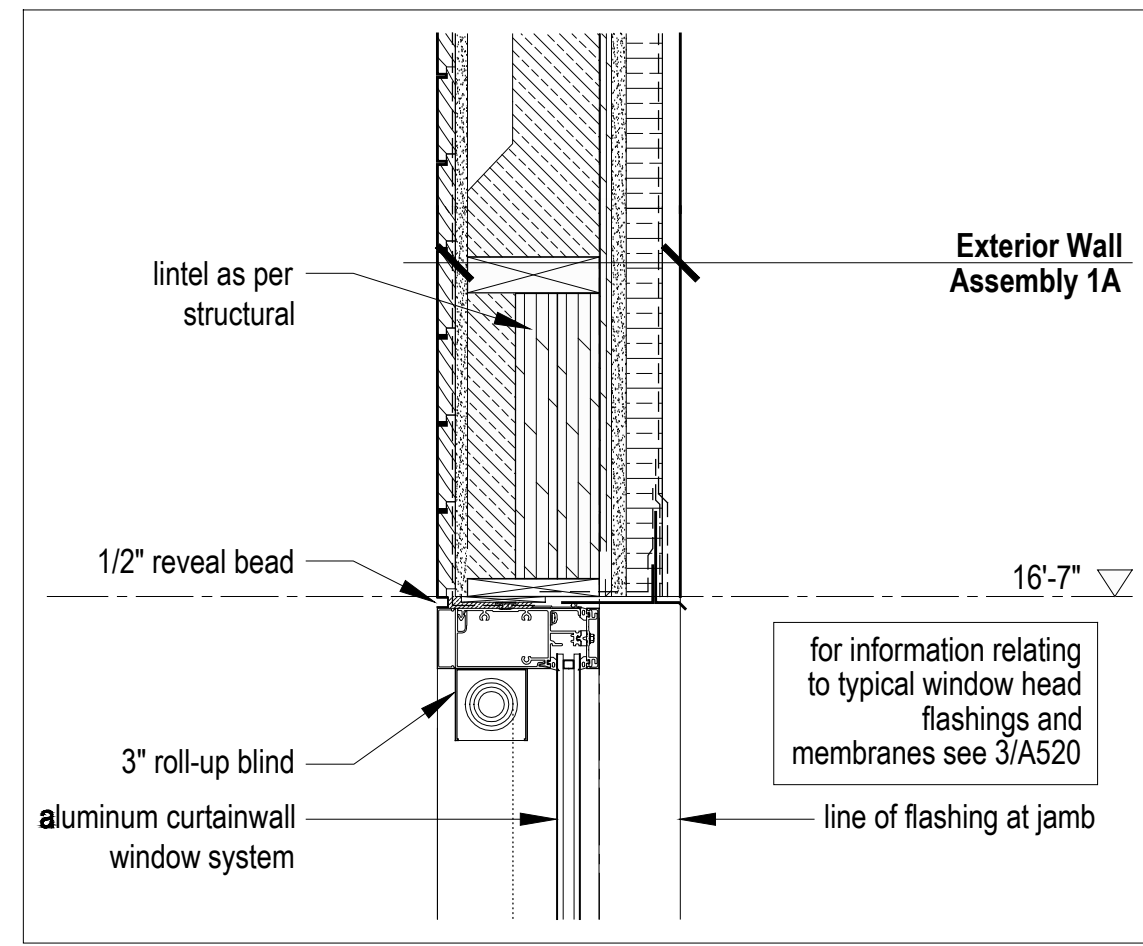


3 Typical Rake Detail  
Scale 1 1/2" = 1'-0"

for information relating to flashings and membranes see 11/A520



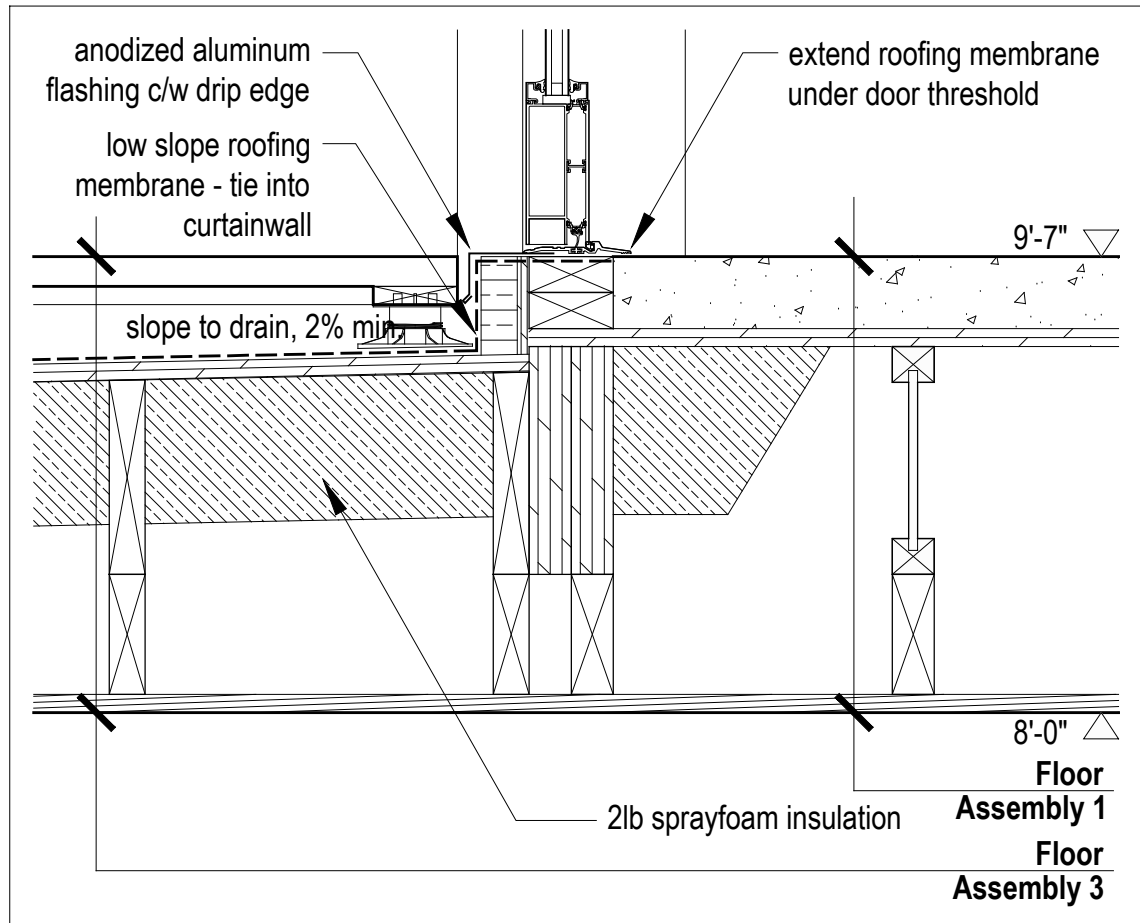
8 Section Detail @ Entry Door Head  
Scale 1 1/2" = 1'-0"



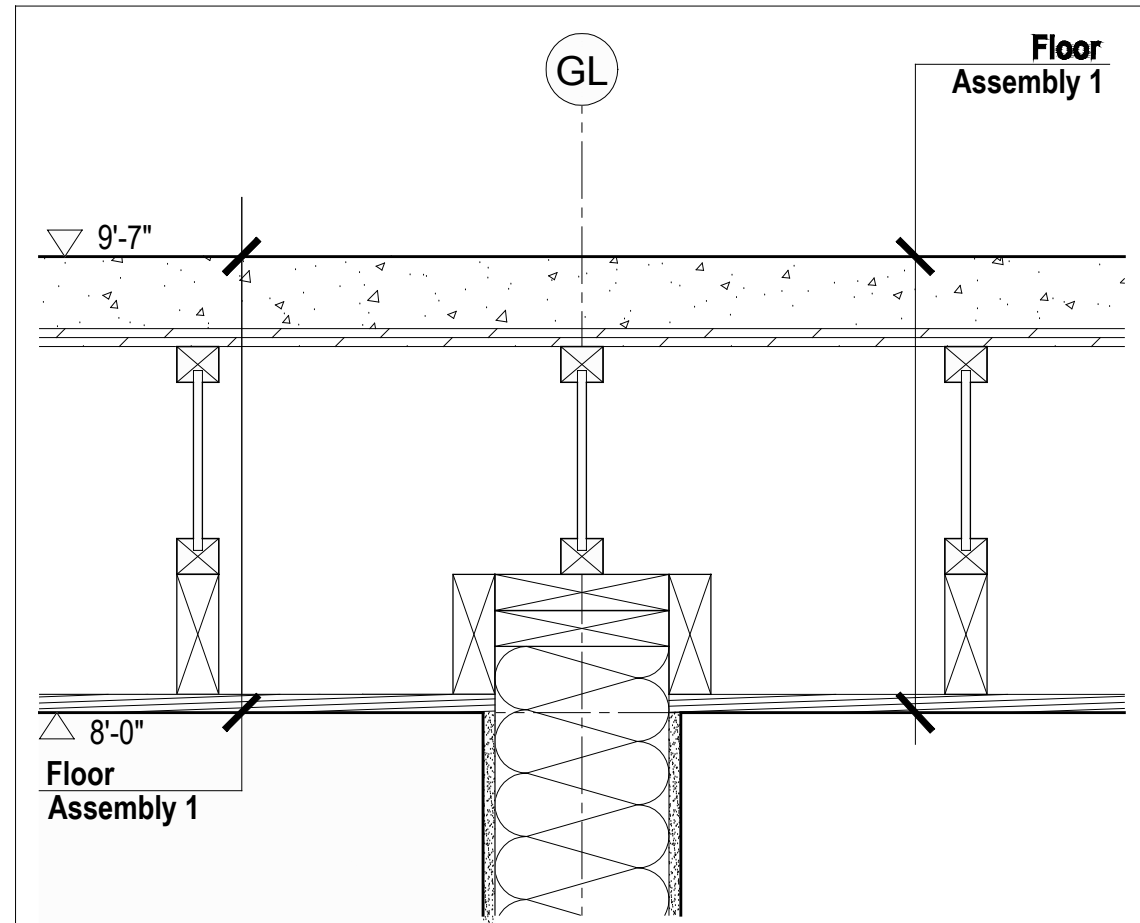
2 Section Detail  
Scale 1 1/2" = 1'-0"

for information relating to typical window head flashings and membranes see 3/A520

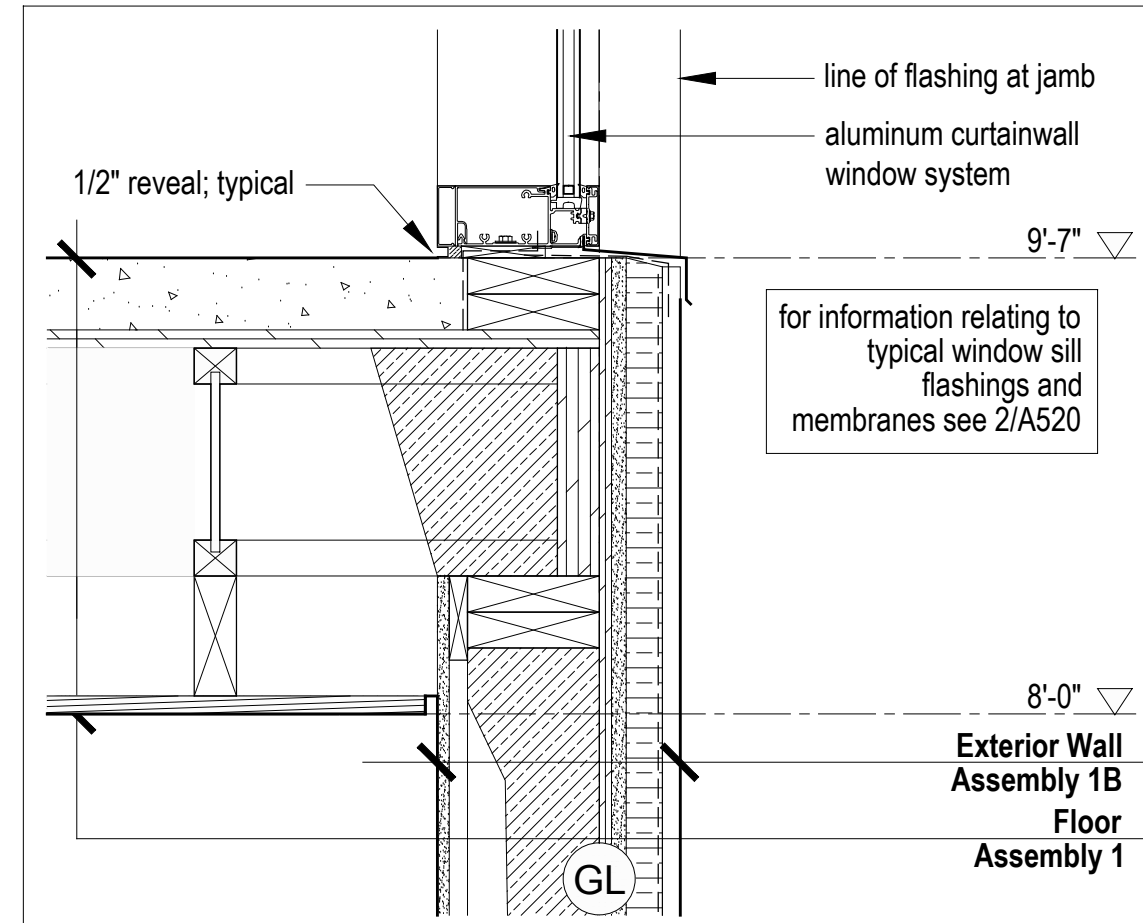
- Roof Assembly 1**
  - + Class B fire retardant pressure treated cedar shingles
  - + rainscreen grid
  - + Class A mineral-surfaced cap sheet
  - + self-adhering sheet roof membrane underlayment
  - + 1/2" exterior grade plywood
  - + 2" XPS rigid insulation (R10)
  - + plywood sheathing as per structural
  - + wood trusses as per structural
  - + 6" 2lb. closed cell sprayfoam insulation (R30) (vapor retarder)
  - + interior sprinkler system as per A101 code review
  - + 3/4" shiplap wood cladding - type 2 - see A001 for profile
- Floor Assembly 1**
  - + 3" concrete topping w/ in-floor heating
  - + plywood sheathing as per structural
  - + wood floor joists as per structural
  - + wood furring as required
  - + interior sprinkler system as per A101 code review
  - + 3/4" shiplap wood cladding - type 2 - see A001 for profile
- Floor Assembly 2**
  - + 3" concrete topping w/ in-floor heating
  - + plywood sheathing as per structural
  - + wood furring as per structural
  - + wood floor joists as per structural
  - + interior sprinkler system as per A101 code review
  - + 3/4" shiplap wood cladding - type 2 - see A001 for profile
- Floor Assembly 3**
  - + palletized wood deck system
  - + liquid-applied roofing membrane
  - + plywood sheathing as per structural - slope to drain, minimum 2%
  - + wood floor joists as per structural; tapered to create slope
  - + 6" 2lb. sprayfoam insulation (R30) (vapor retarder)
  - + interior sprinkler system as per A101 code review
  - + 3/4" shiplap wood cladding - type 2 - see A001 for profile
- Floor Assembly 4**
  - + 3" concrete topping w/ in-floor heating
  - + plywood sheathing as per structural
  - + wood floor joists as per structural
  - + 1/2" plywood
  - + steel beam as per structural
  - + 6" 2lb. sprayfoam insulation (R30) (vapor retarder)
  - + 2x4 nailer as required
  - + 5/8" type X gypsum sheathing
  - + vapour permeable weather barrier
  - + rainscreen grid
  - + 1x4 wood shiplap cladding - type 1 - see A001 for profile
- Exterior Wall Assembly 1A**
  - + 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile
  - + rainscreen grid
  - + vapor permeable weather barrier
  - + 1 1/2" XPS rigid insulation (R7.5)
  - + 5/8" type X gypsum sheathing
  - + plywood sheathing as per structural
  - + 2x6 wood studs as per structural
  - + 4" 2lb. sprayfoam insulation (R20) (vapor retarder)
  - + 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas)
  - + refer to wall finish schedule for interior finish
- Exterior Wall Assembly 1B**
  - + 1x4 vertical shiplap wood cladding - type 1 - see A001 for profile
  - + rainscreen grid
  - + vapor permeable weather barrier
  - + 1 1/2" XPS rigid insulation
  - + 5/8" type X gypsum sheathing
  - + plywood sheathing as per structural
  - + 2x6 wood studs as per structural
  - + 4" 2lb. sprayfoam insulation (R20) (vapor retarder)
  - + 1x4 wood strapping @ 16" o.c.
  - + 5/8" type X gypsum wallboard (5/8" type X gypsum tile backer board in wet areas)
  - + refer to wall finish schedule for interior finish



7 Section Detail @ Entry Door Threshold  
Scale 1 1/2" = 1'-0"

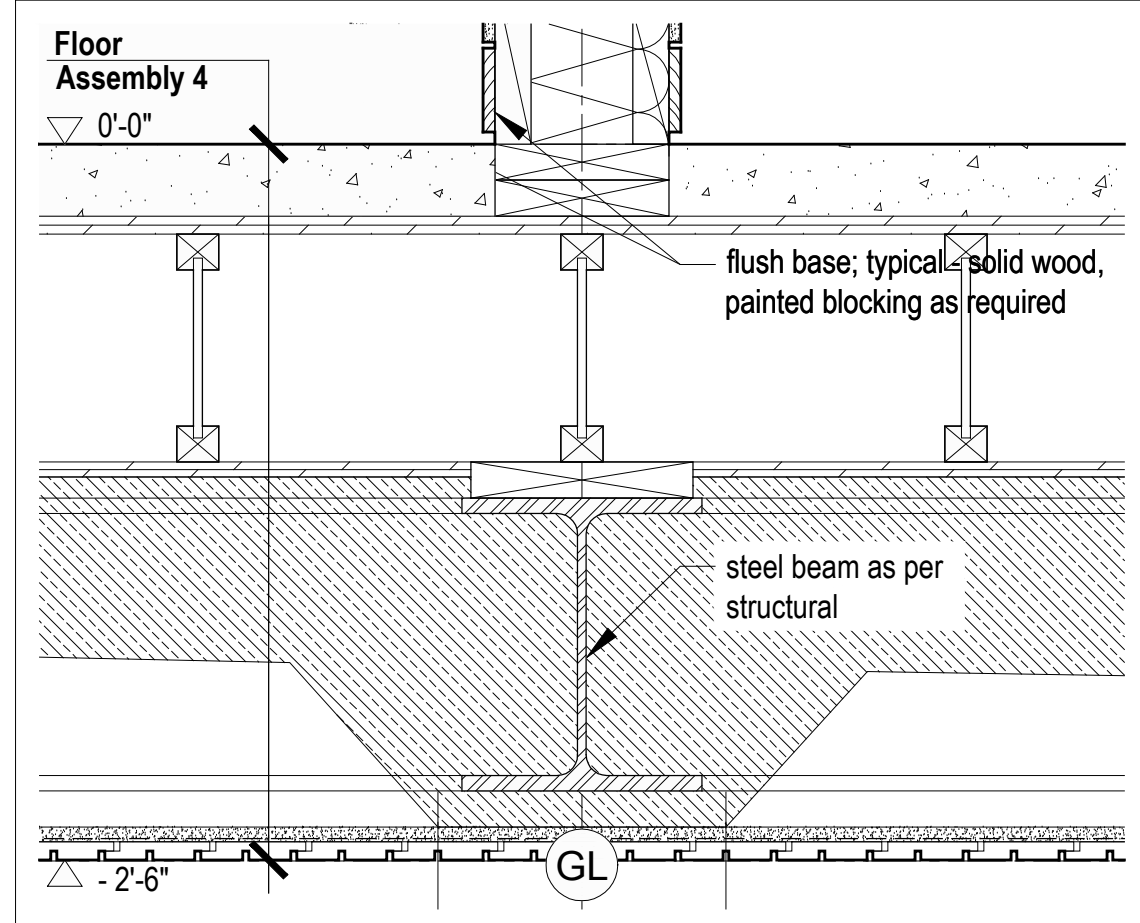


5 Section Detail @ Interior Wall  
Scale 1 1/2" = 1'-0"



1 Section Detail  
Scale 1 1/2" = 1'-0"

for information relating to typical window sill flashings and membranes see 2/A520



4 Section Detail @ Lower Floor  
Scale 1 1/2" = 1'-0"

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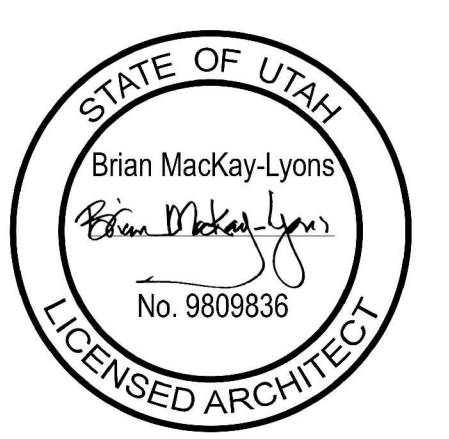
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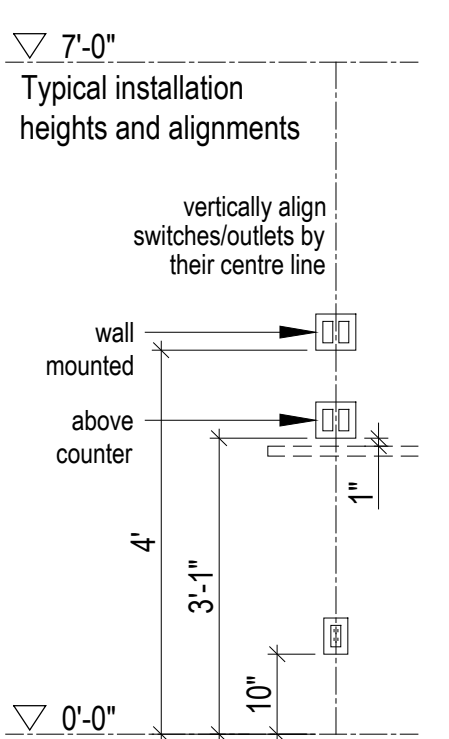
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Mackay-Lyons  
Sweetapple  
Architects  
Limited  
2188 Göttingen St.  
Halifax, Nova Scotia  
Canada B3K 3B4  
ph: (902) 429.1867  
fax: (902) 429.6276



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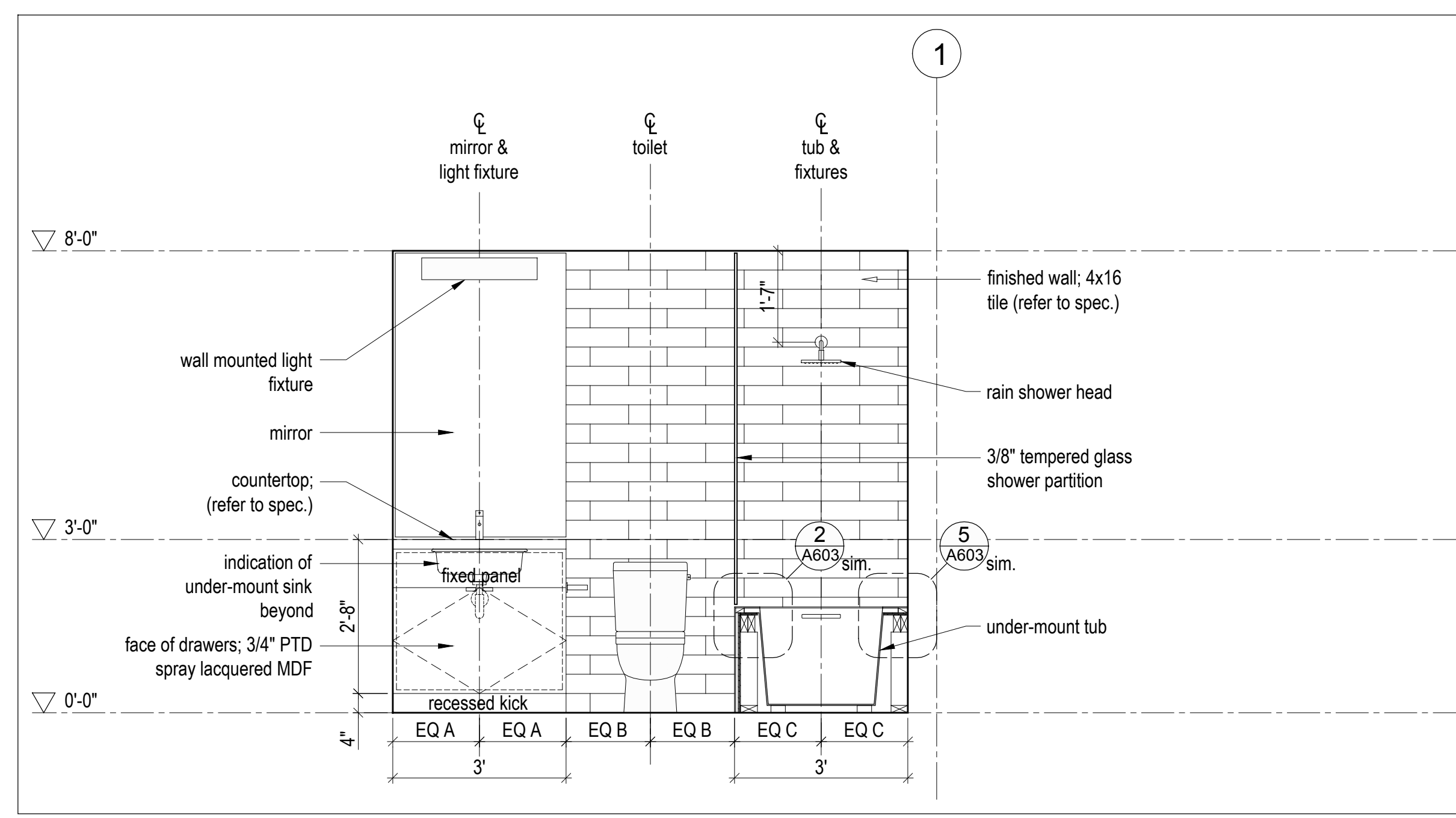
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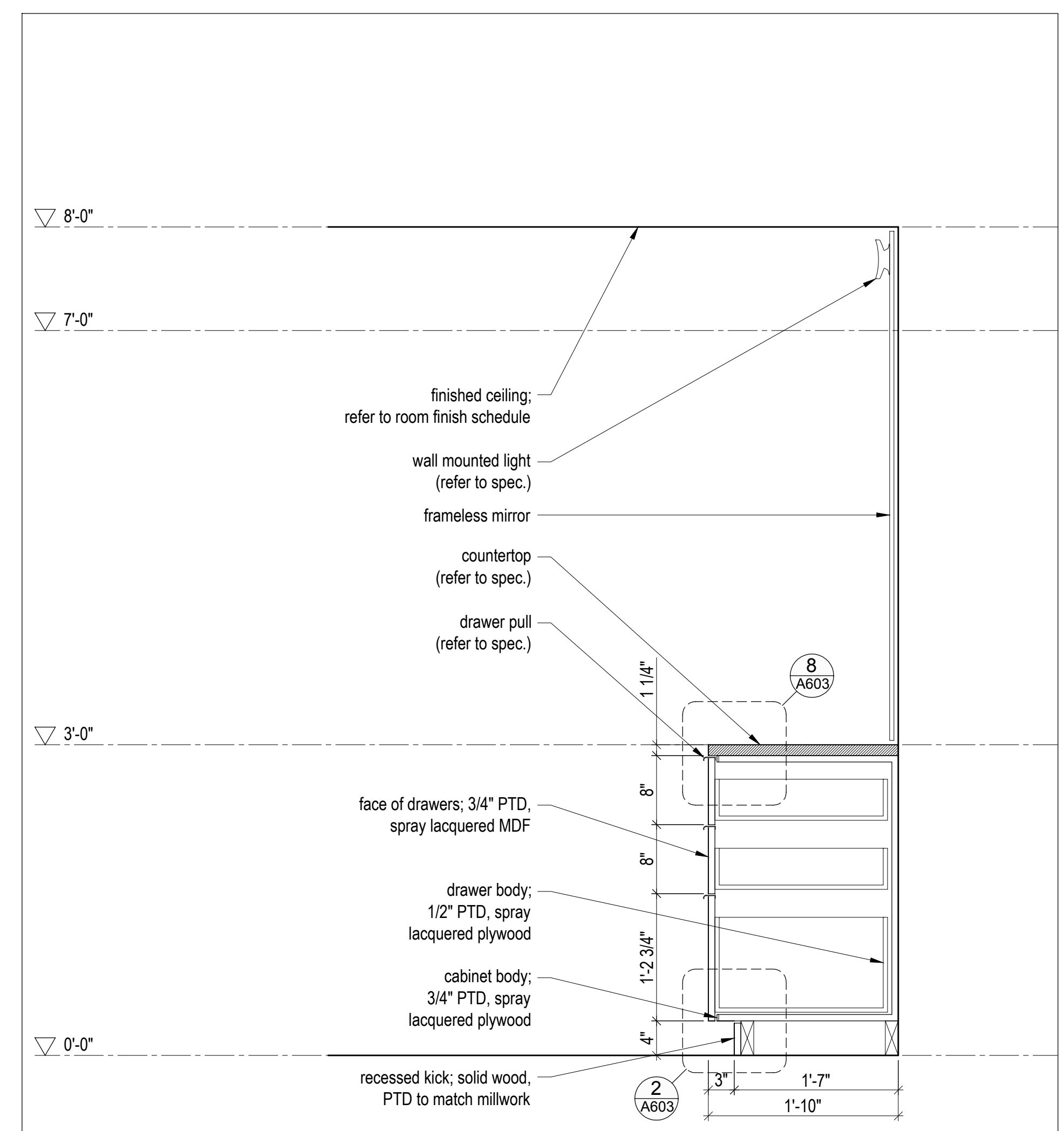
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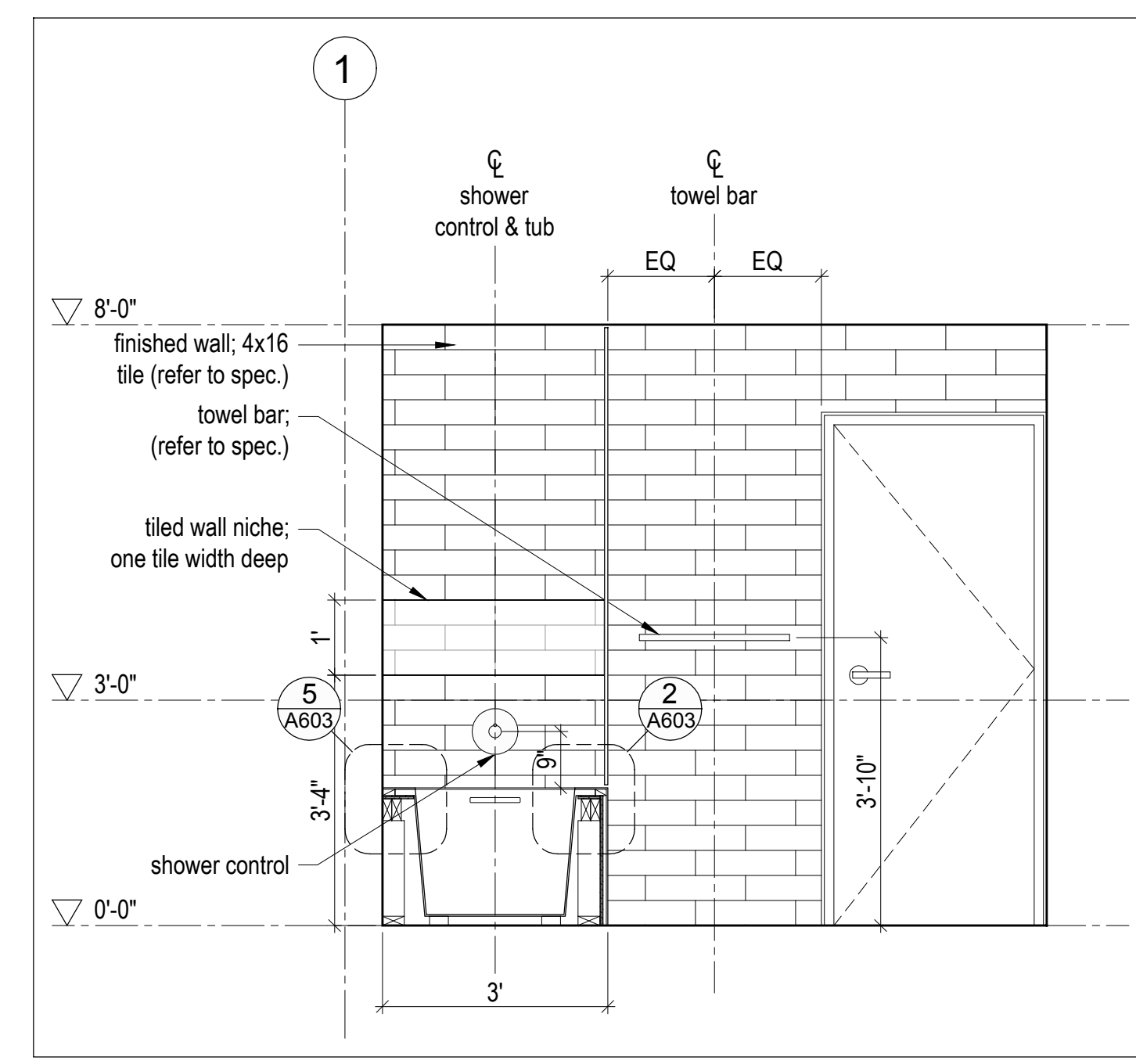
**Cabin 1000**  
Millwork  
scale: as noted  
date: 16-05-20  
drawn: MJ/JL  
chk'd: BML  
**A600**



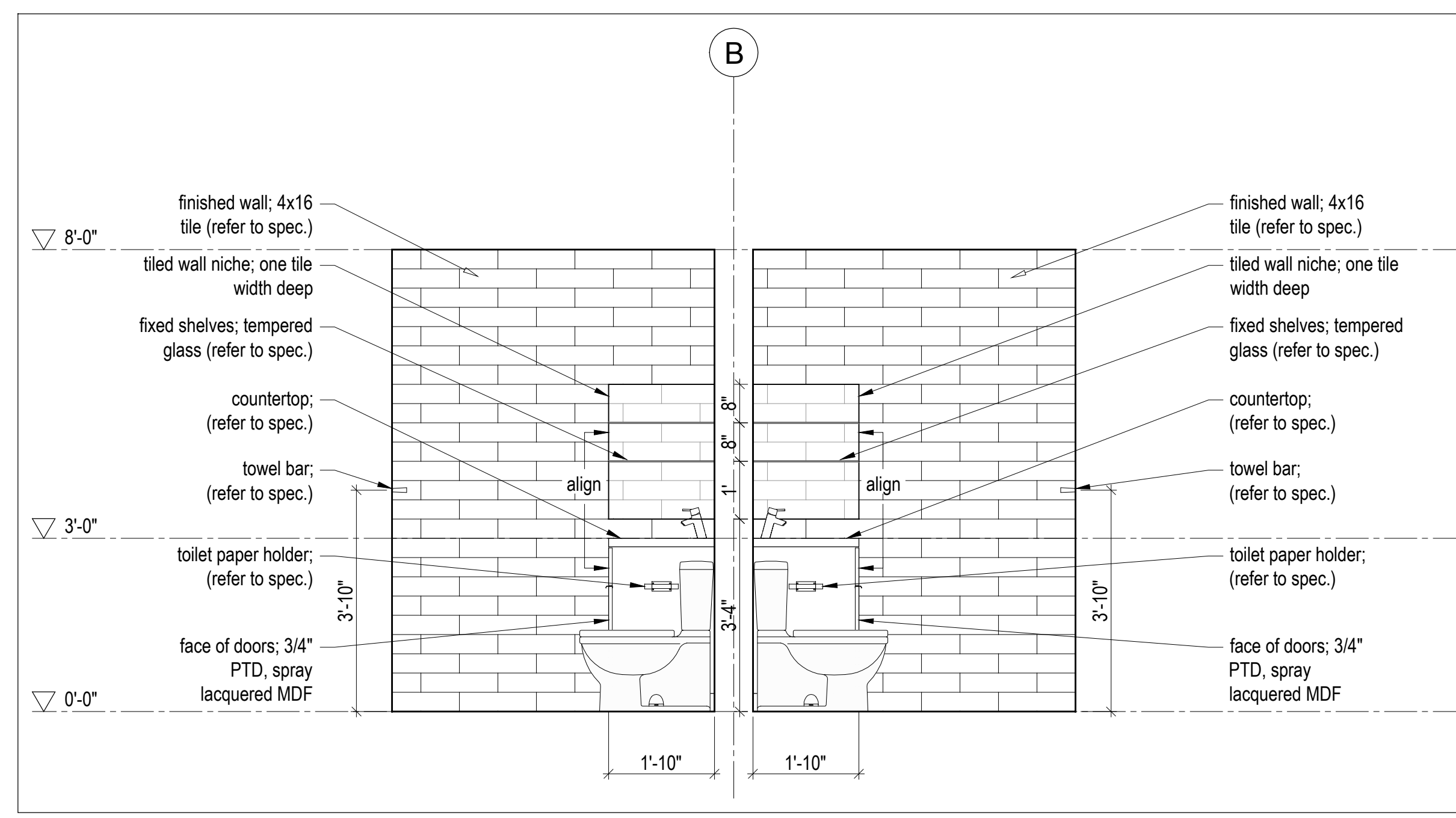
5 Bathroom - Elevation  
Scale 1/2" = 1'-0"



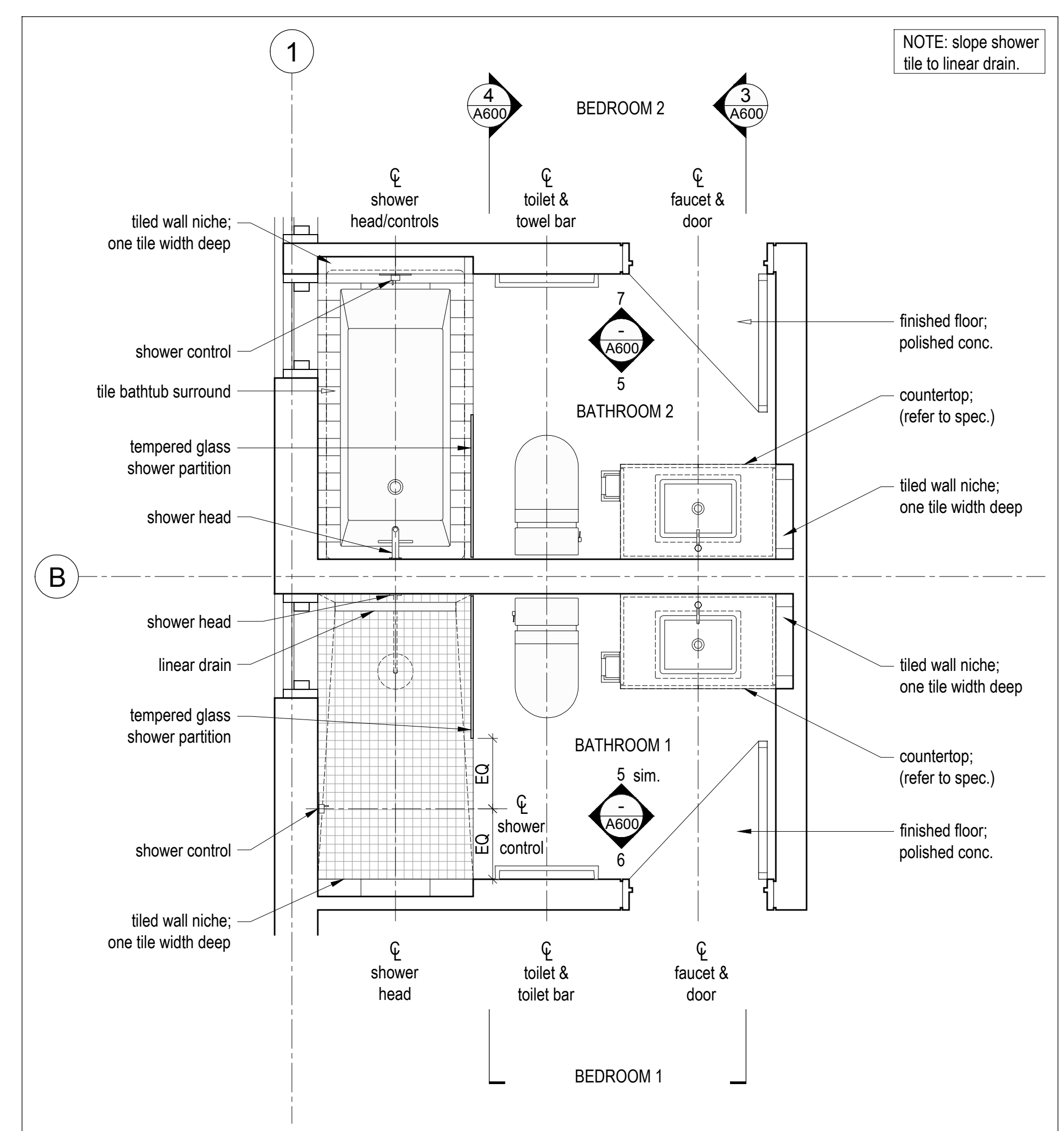
2 Bathroom Vanity - Section, Typ.  
Scale 1" = 1'-0"



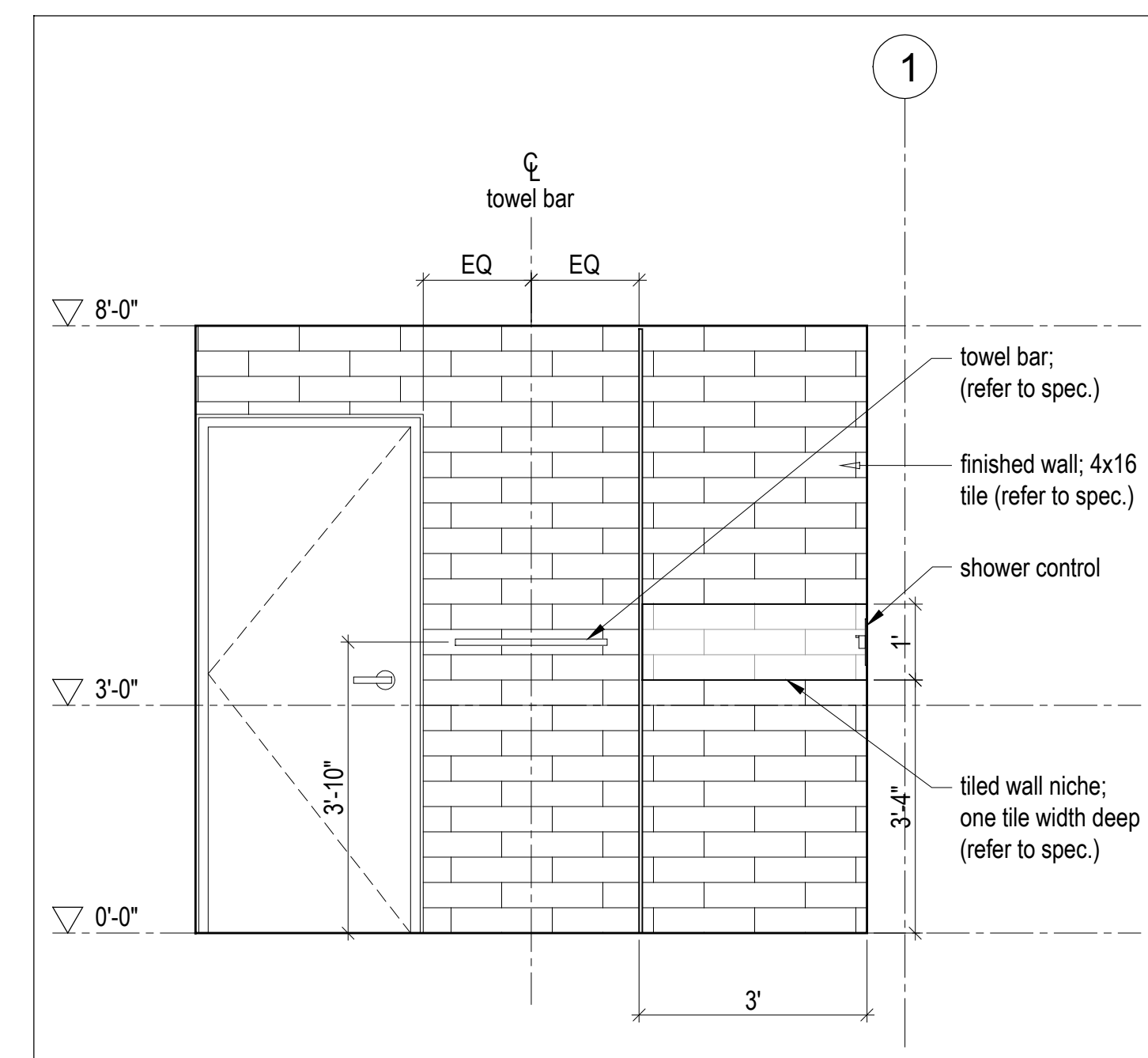
7 Bathroom - Elevation  
Scale 1/2" = 1'-0"



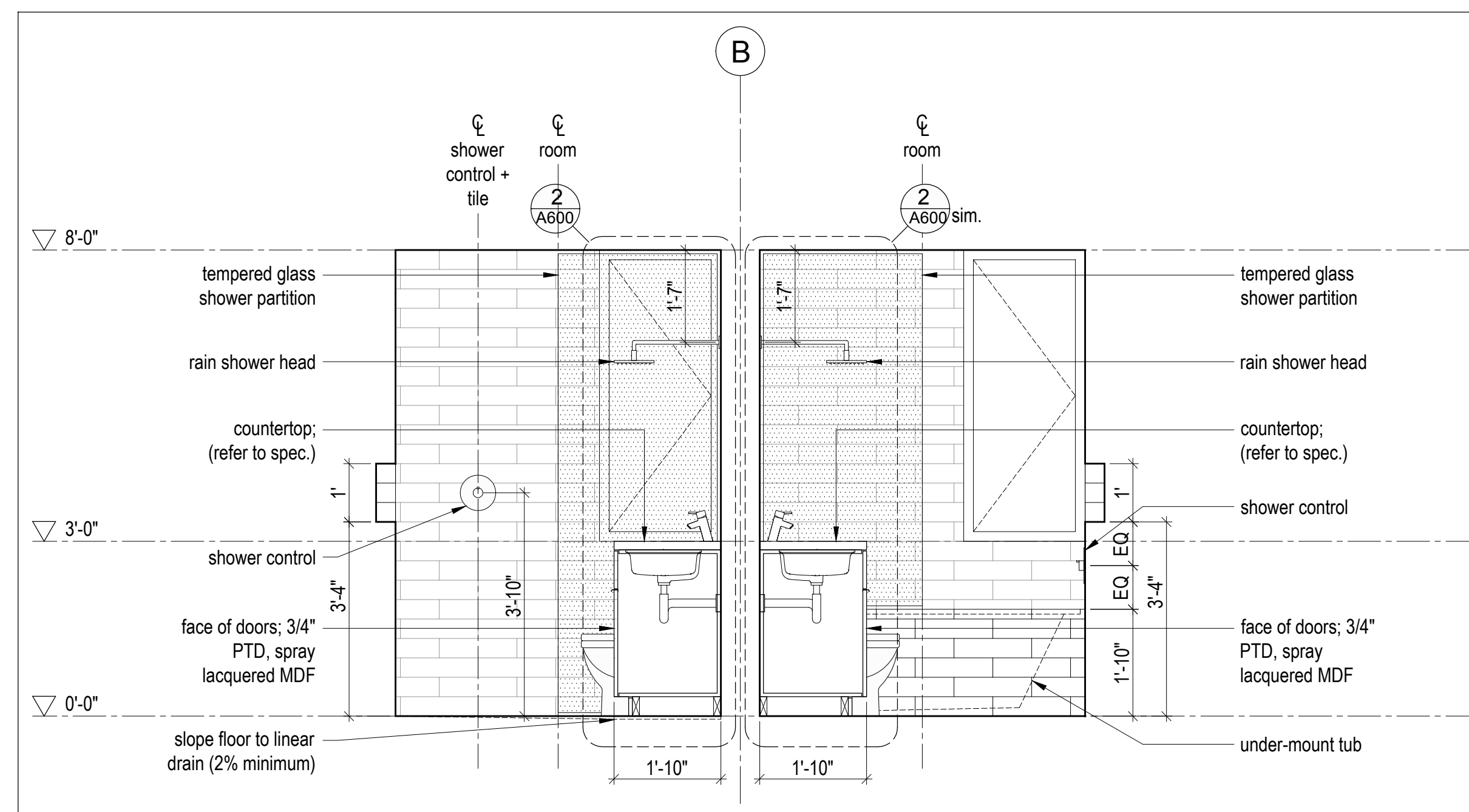
4 Bathroom - Section  
Scale 1/2" = 1'-0"



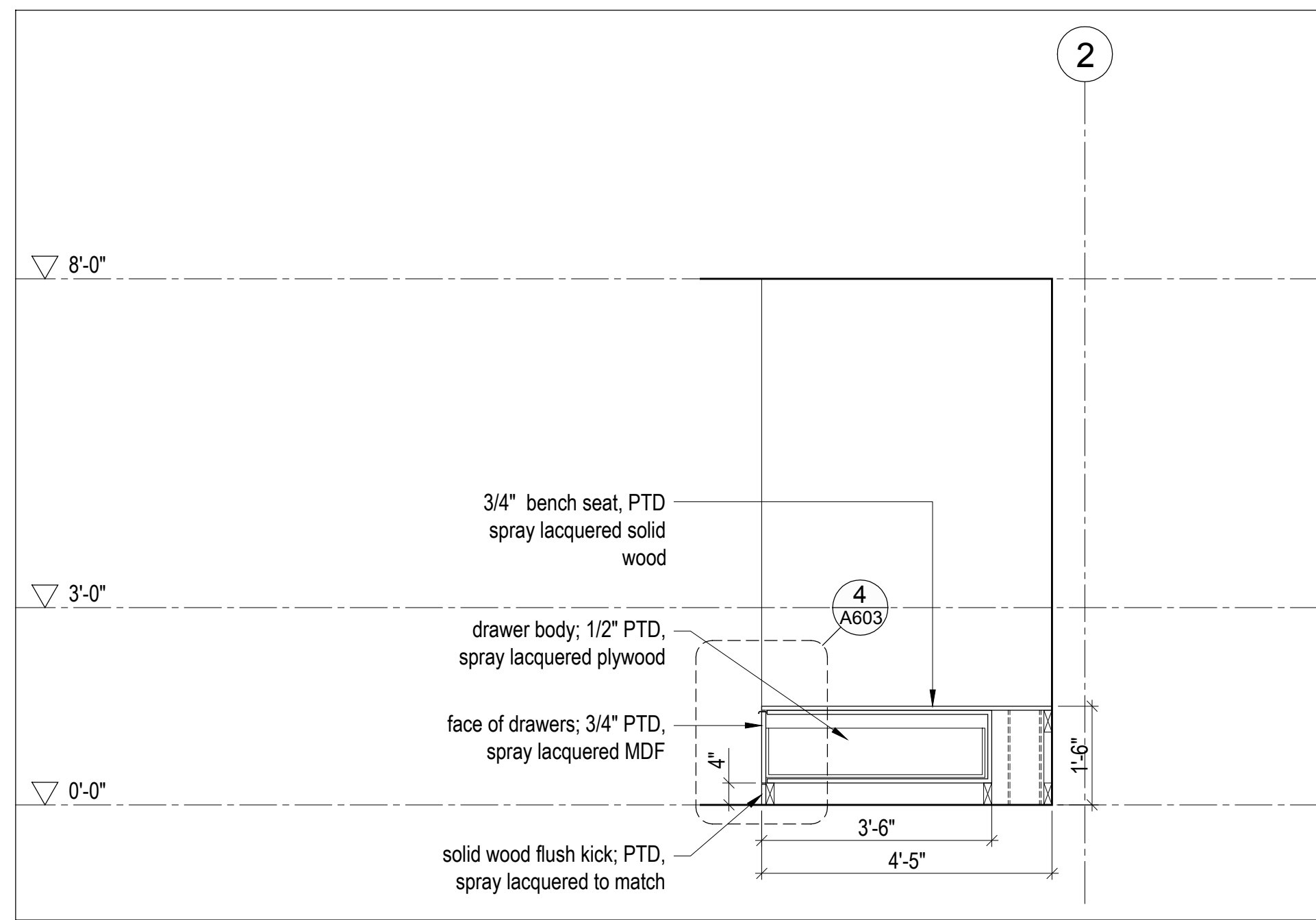
1 Bathrooms - Enlarged Plan  
Scale 1/2" = 1'-0"



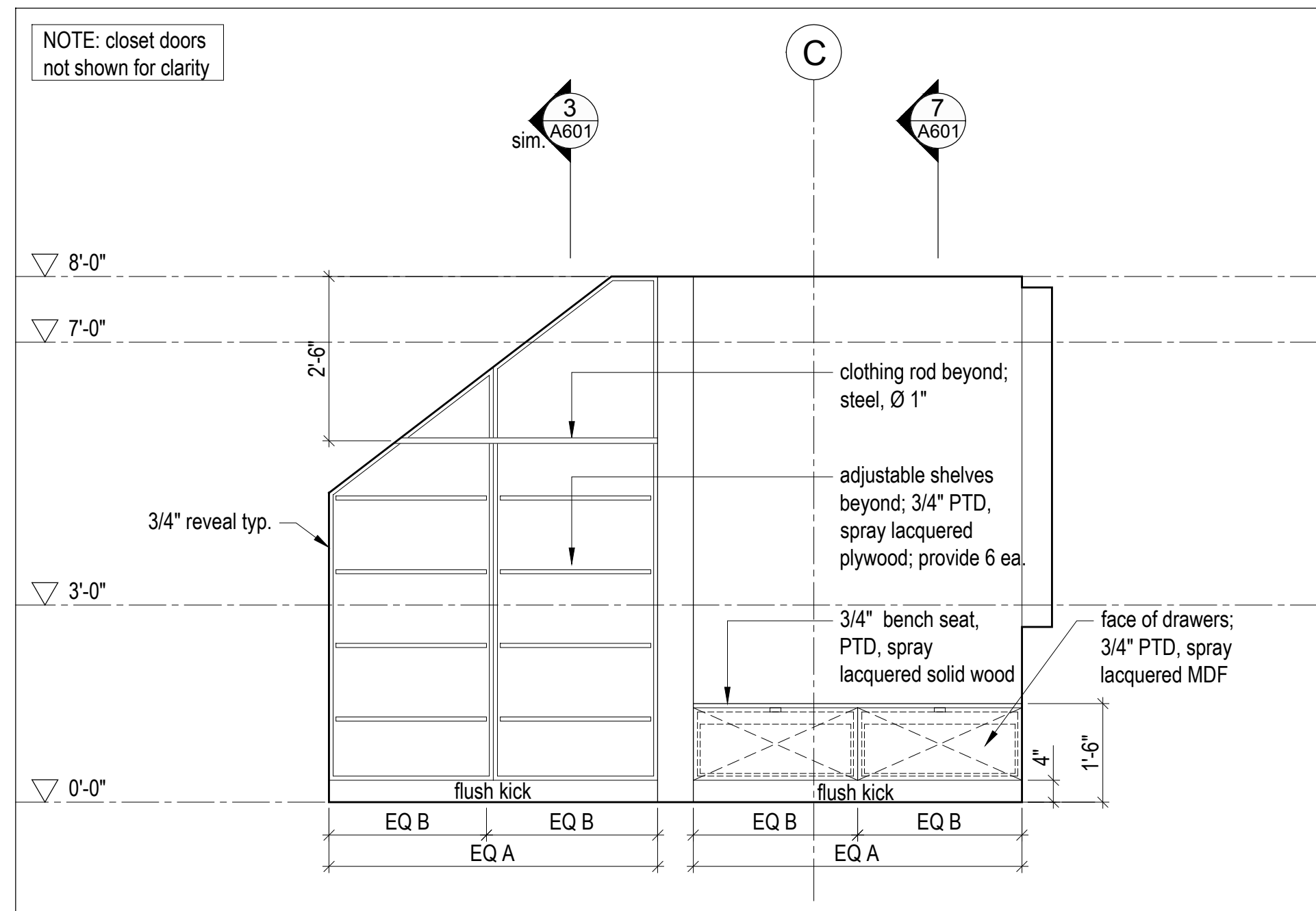
6 Bathroom - Elevation  
Scale 1/2" = 1'-0"



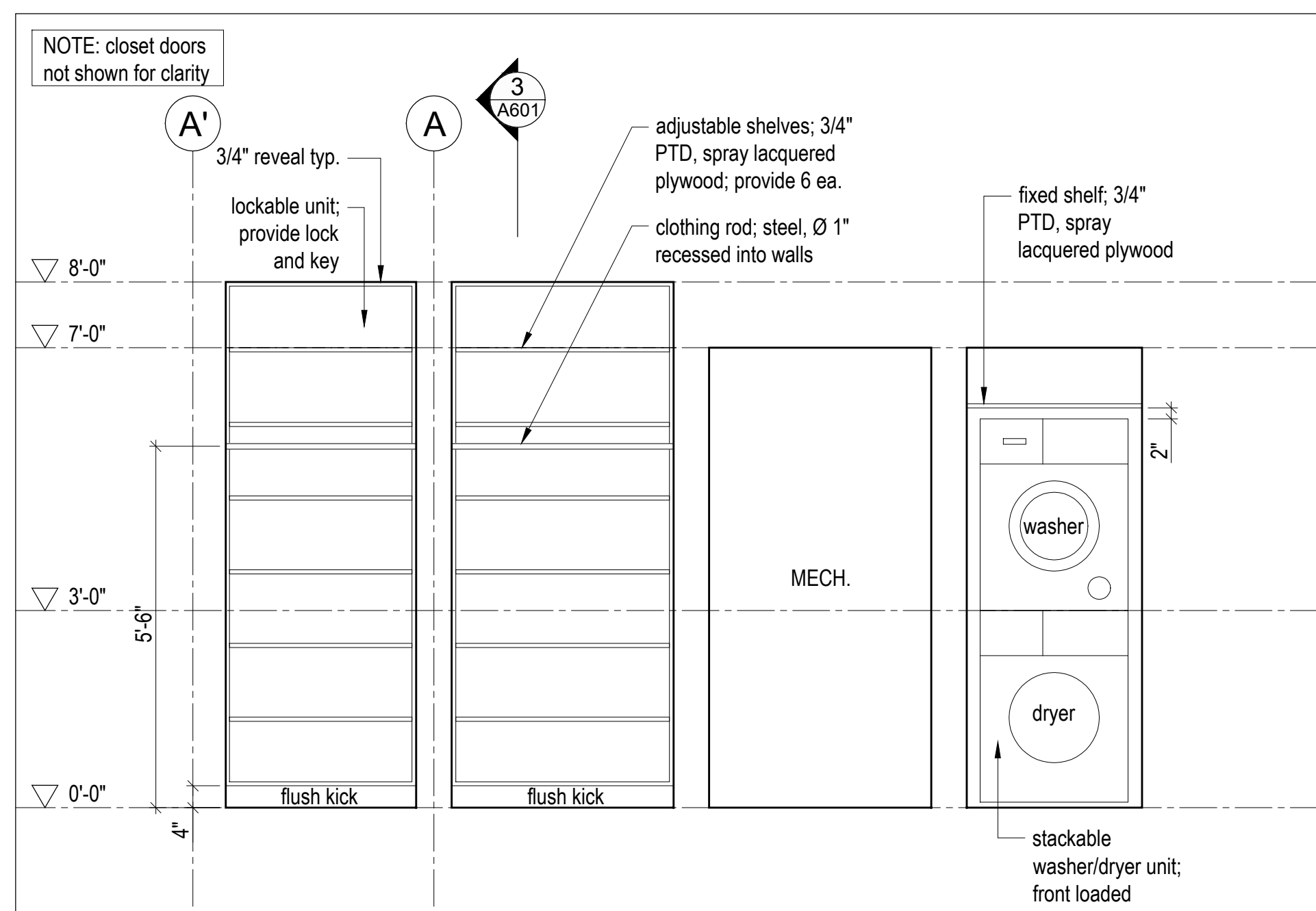
3 Bathroom - Section  
Scale 1/2" = 1'-0"



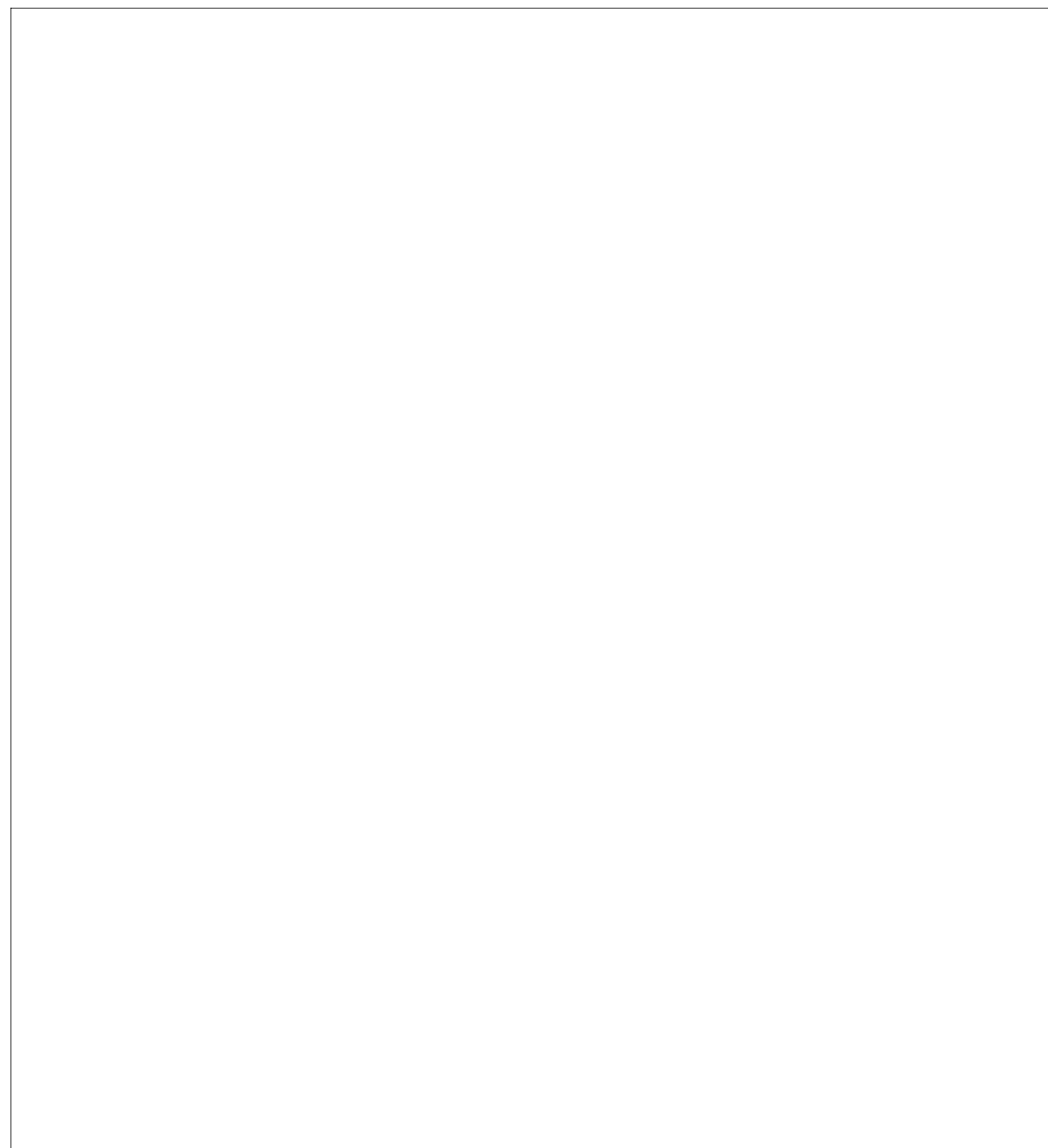
7 Bench - Section  
Scale 1/2" = 1'-0"



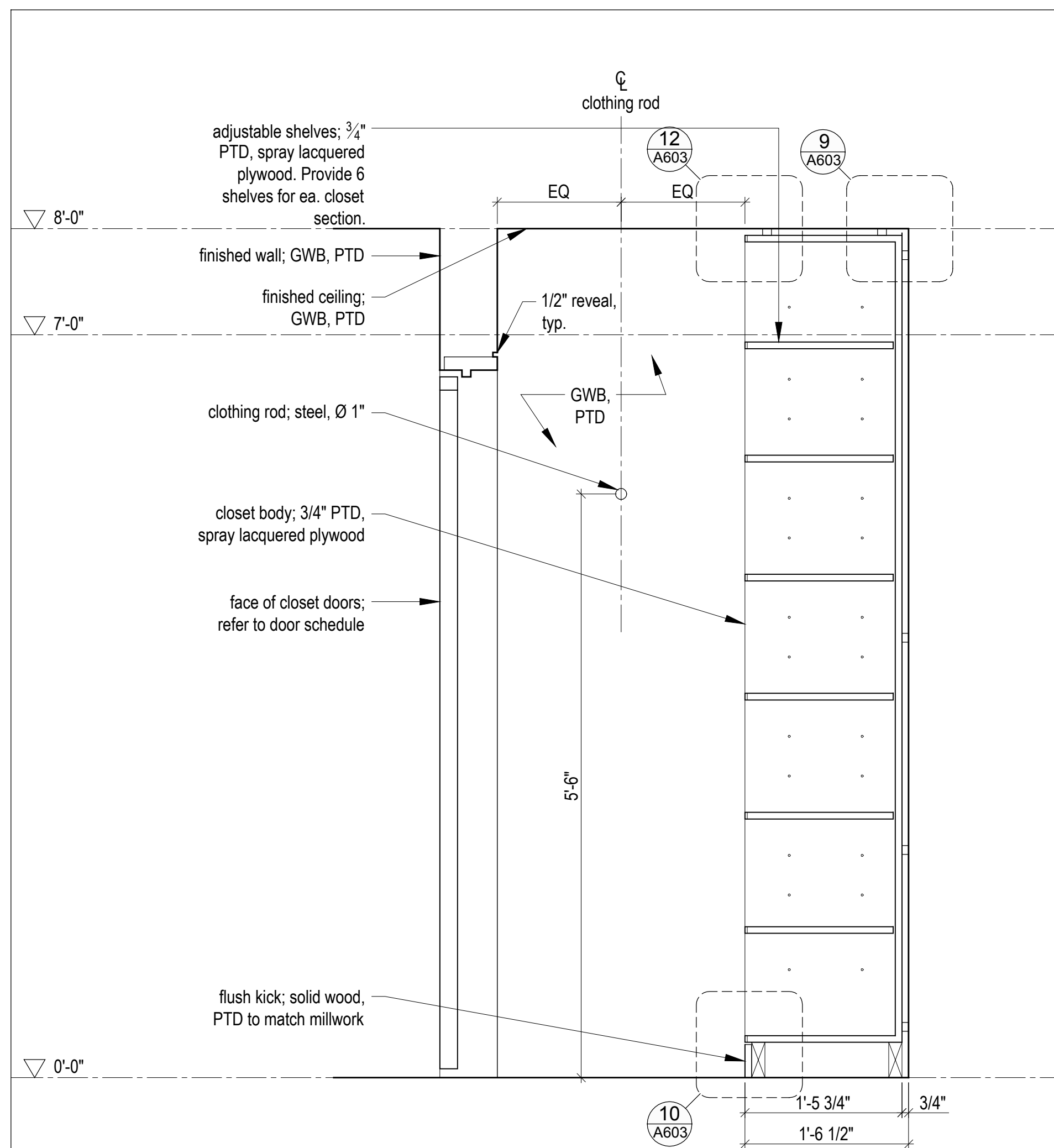
6 Closet - Elevation  
Scale 1/2" = 1'-0"



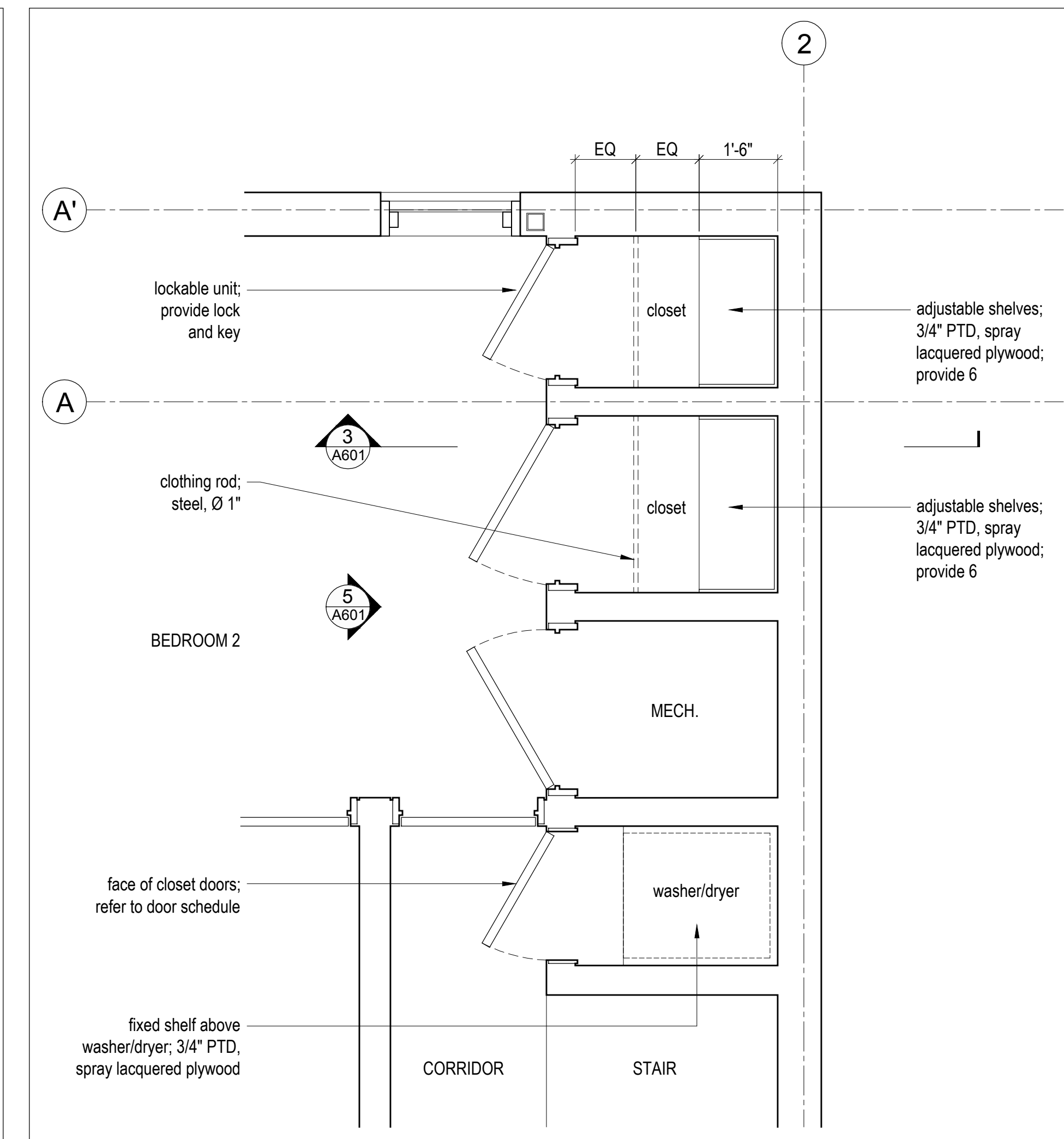
5 Closet - Elevation  
Scale 1/2" = 1'-0"



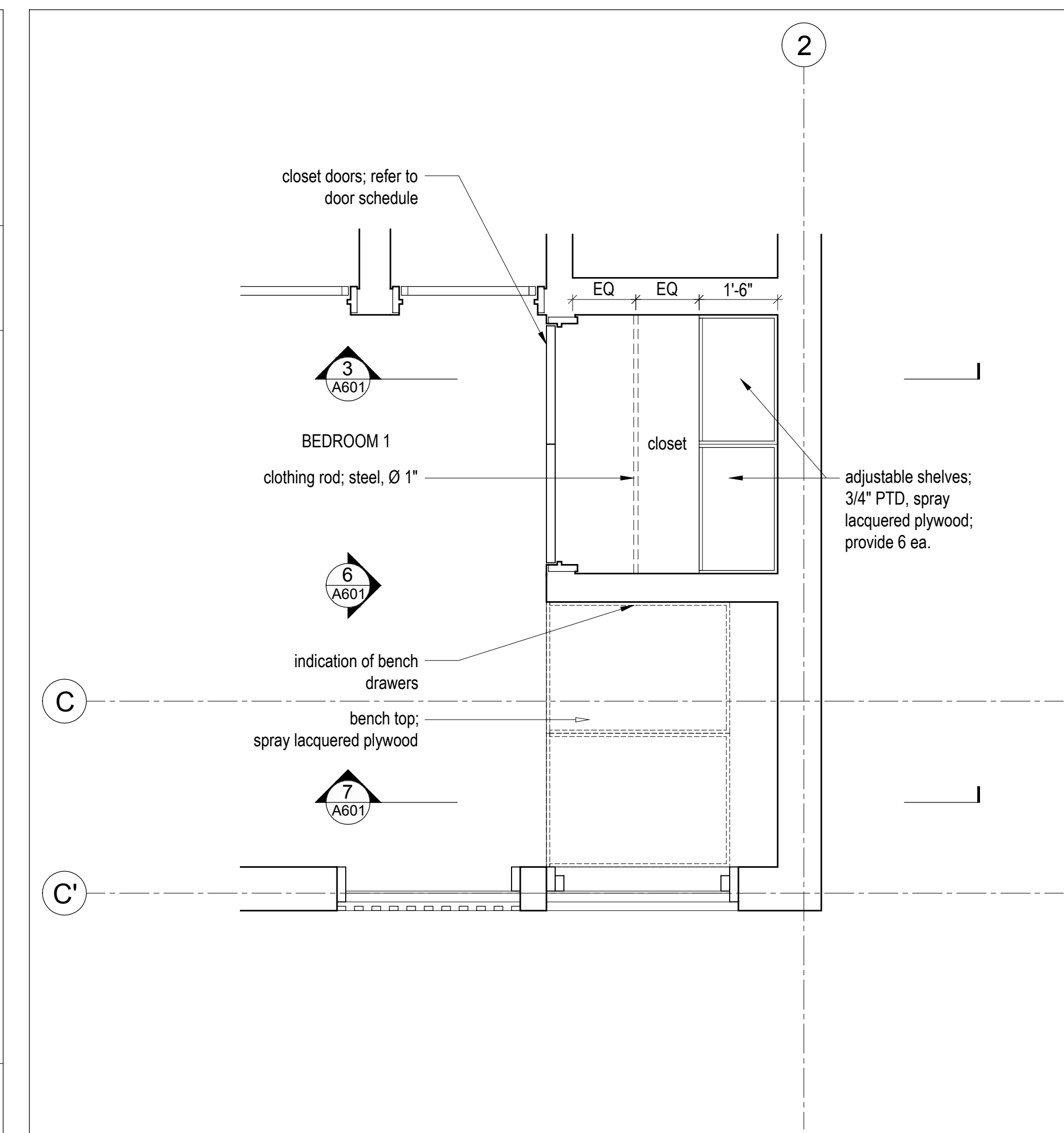
4 Not in use



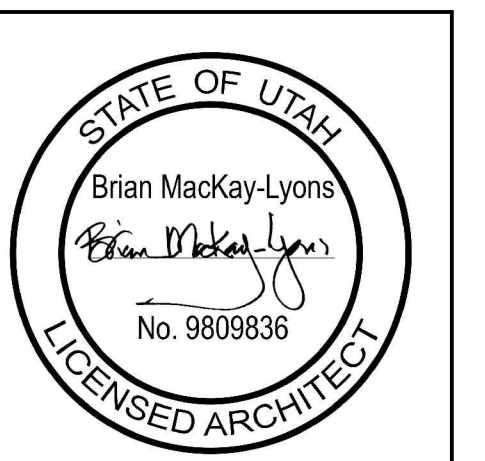
3 Closet Section, Typ.  
Scale 1" = 1'-0"



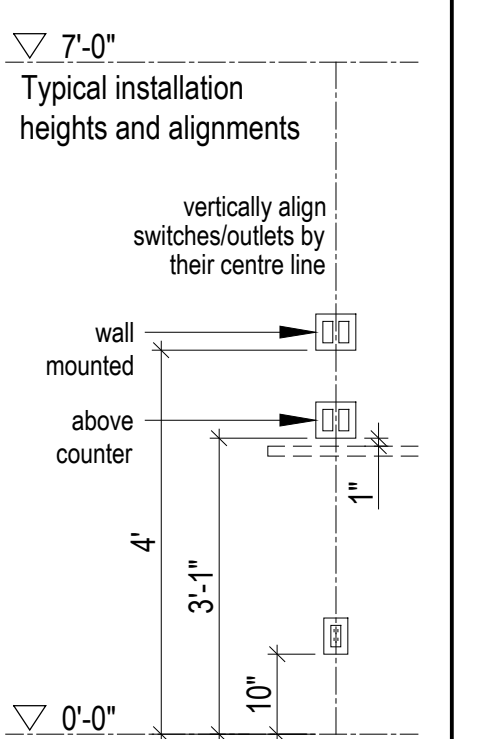
2 Closet - Enlarged Plan  
Scale 1/2" = 1'-0"



1 Closet and Bench - Enlarged Plan  
Scale 1/2" = 1'-0"



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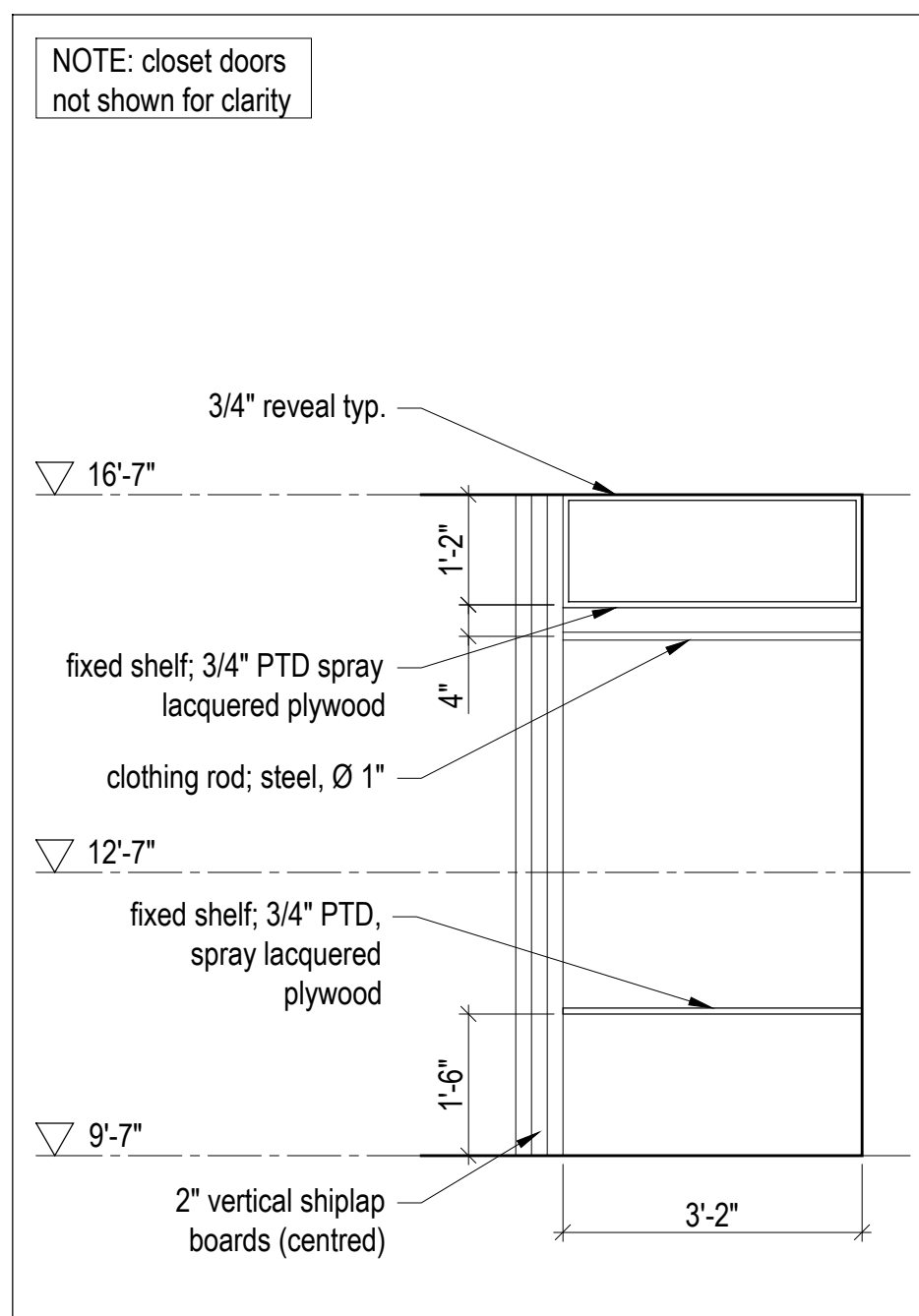
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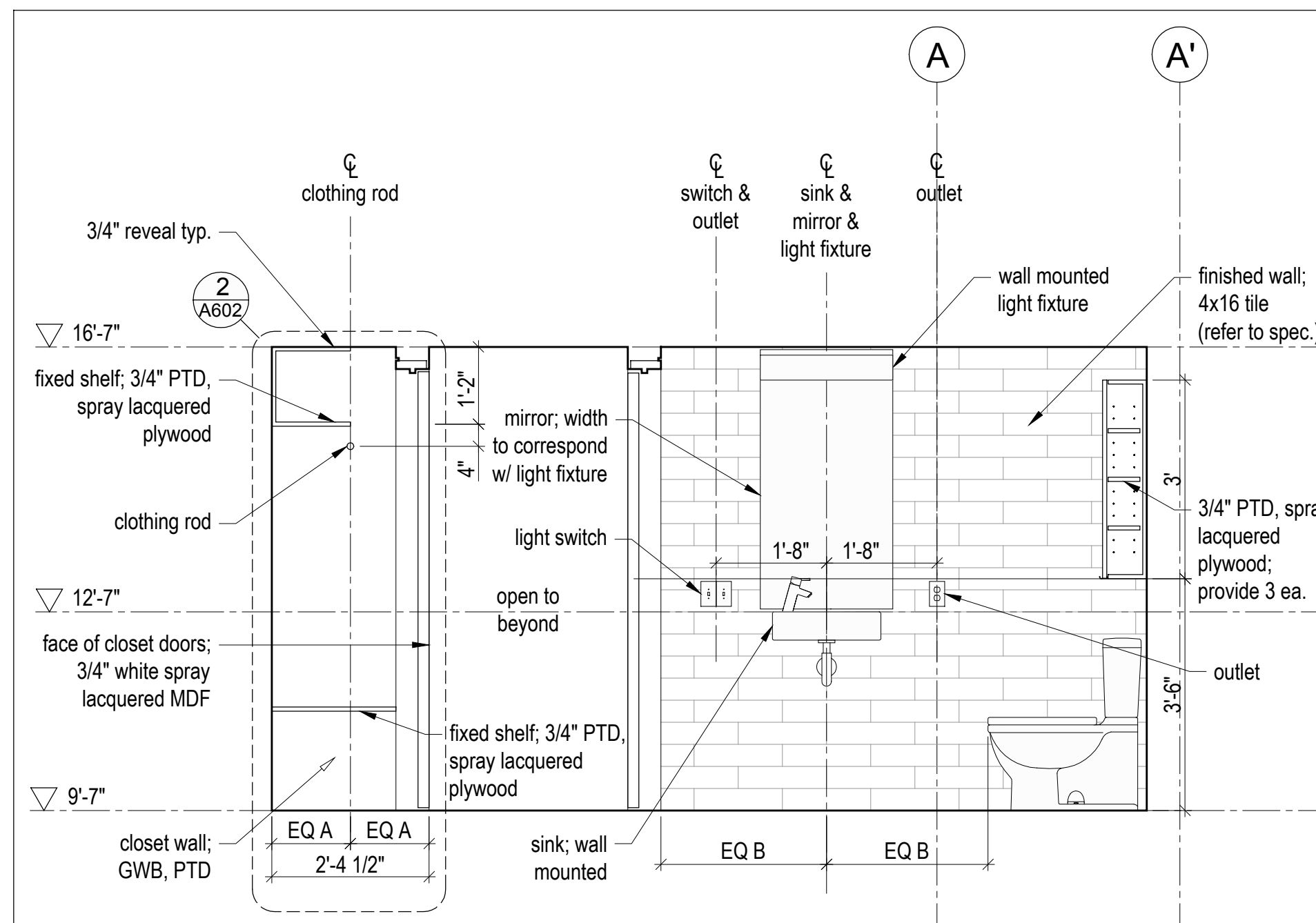
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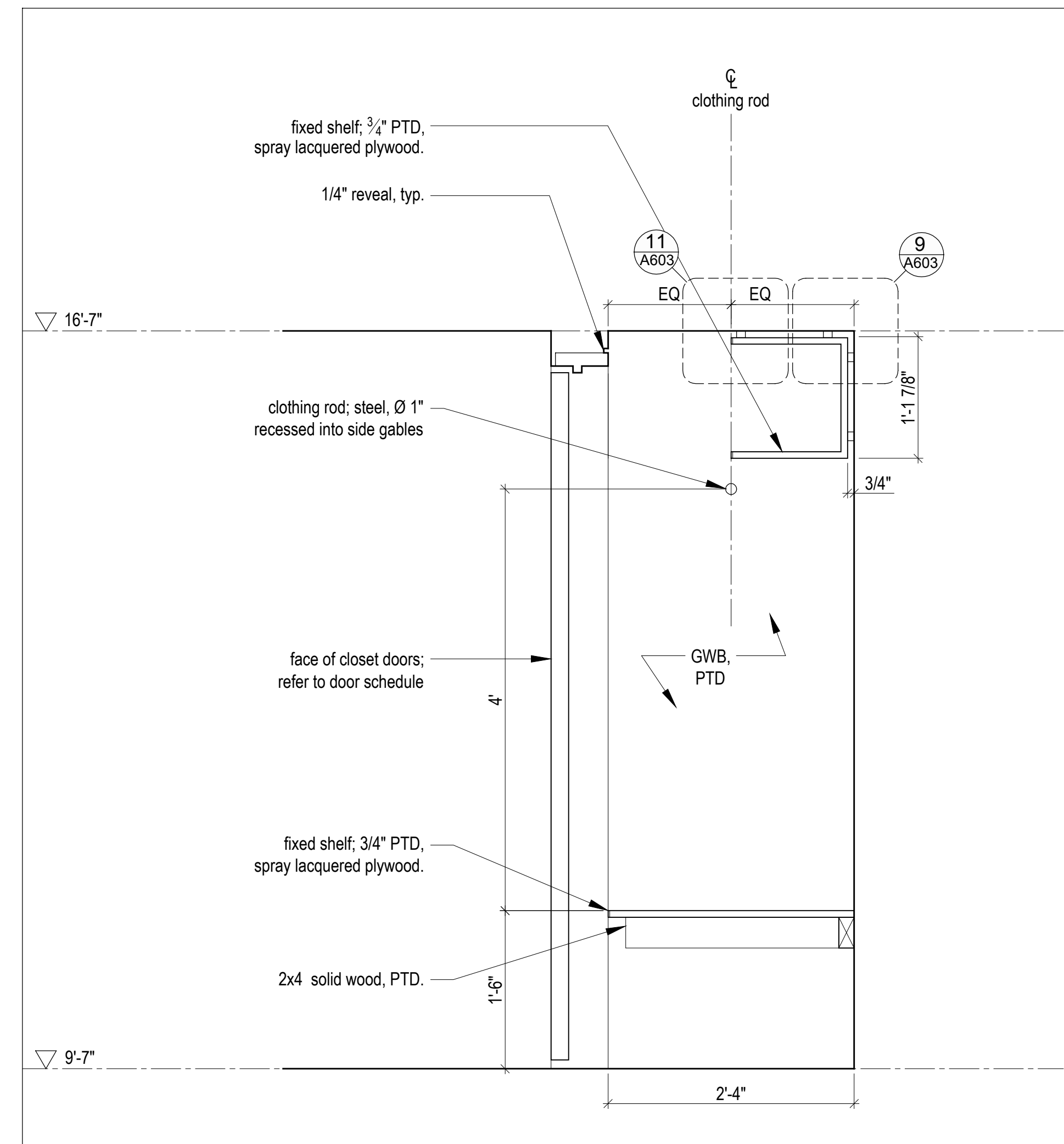




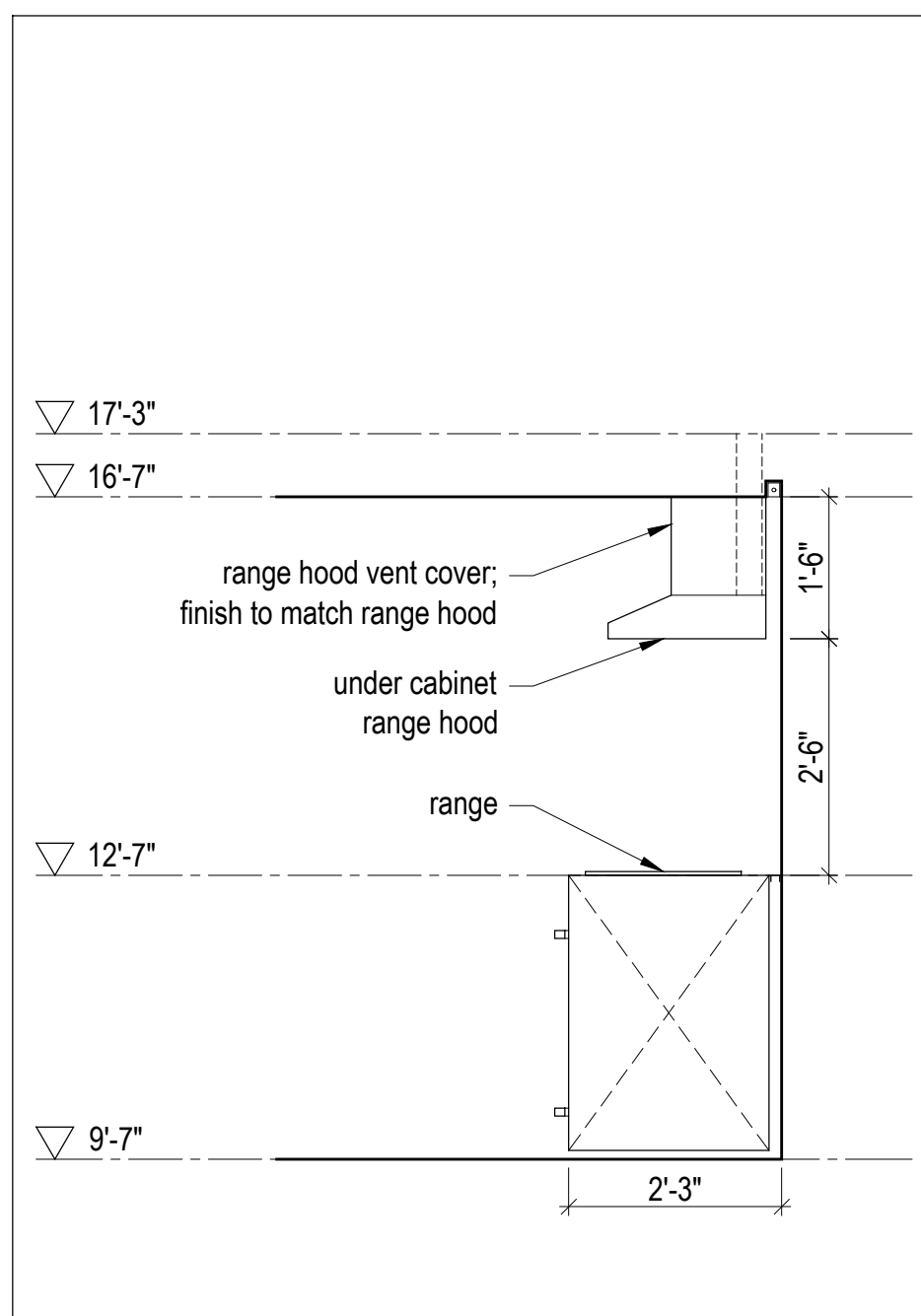
8 A602 Mudroom Closet - Elevation  
Scale 1/2" = 1'-0"



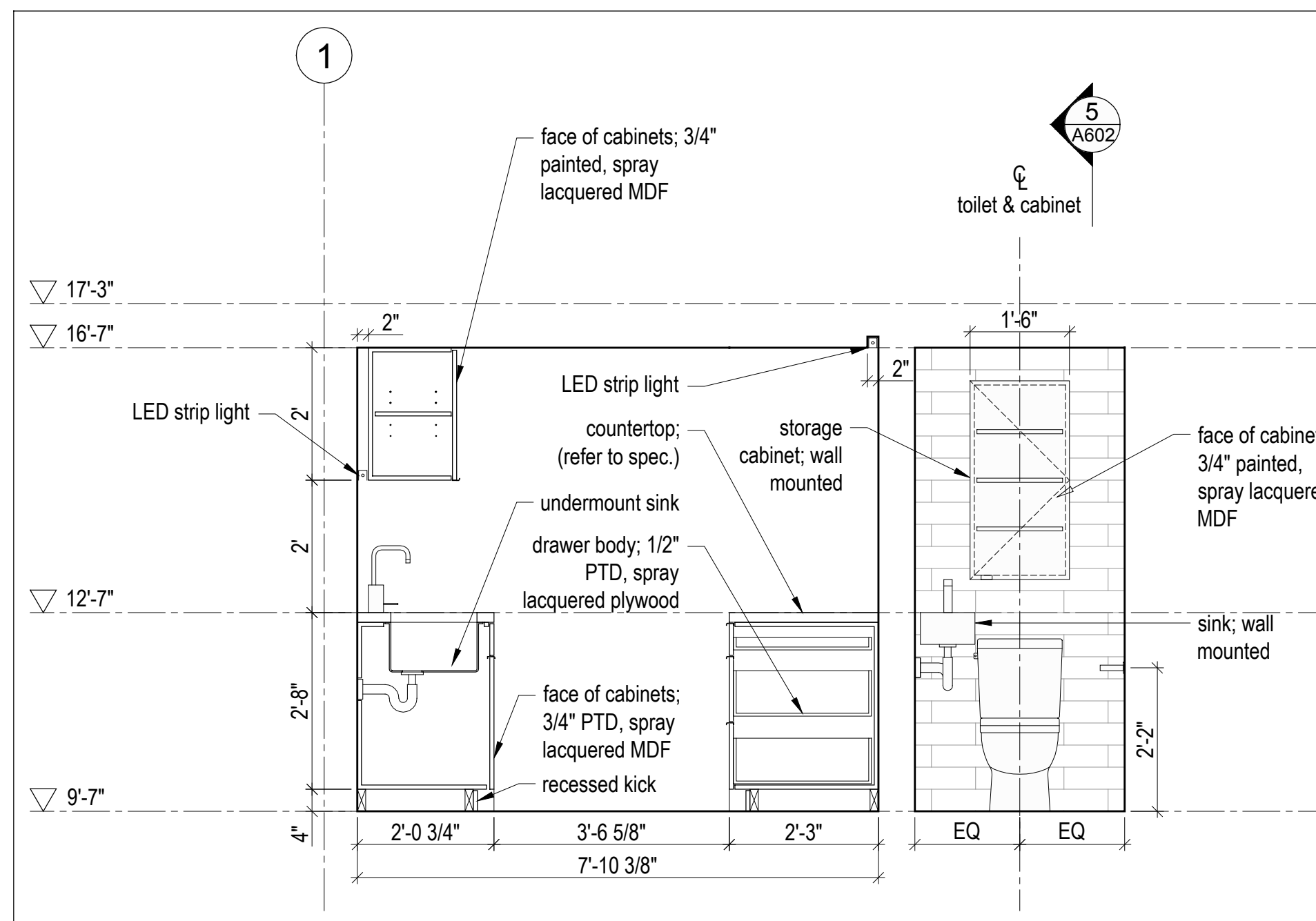
5 A602 Mud Rm & Powder Rm - Section  
Scale 1/2" = 1'-0"



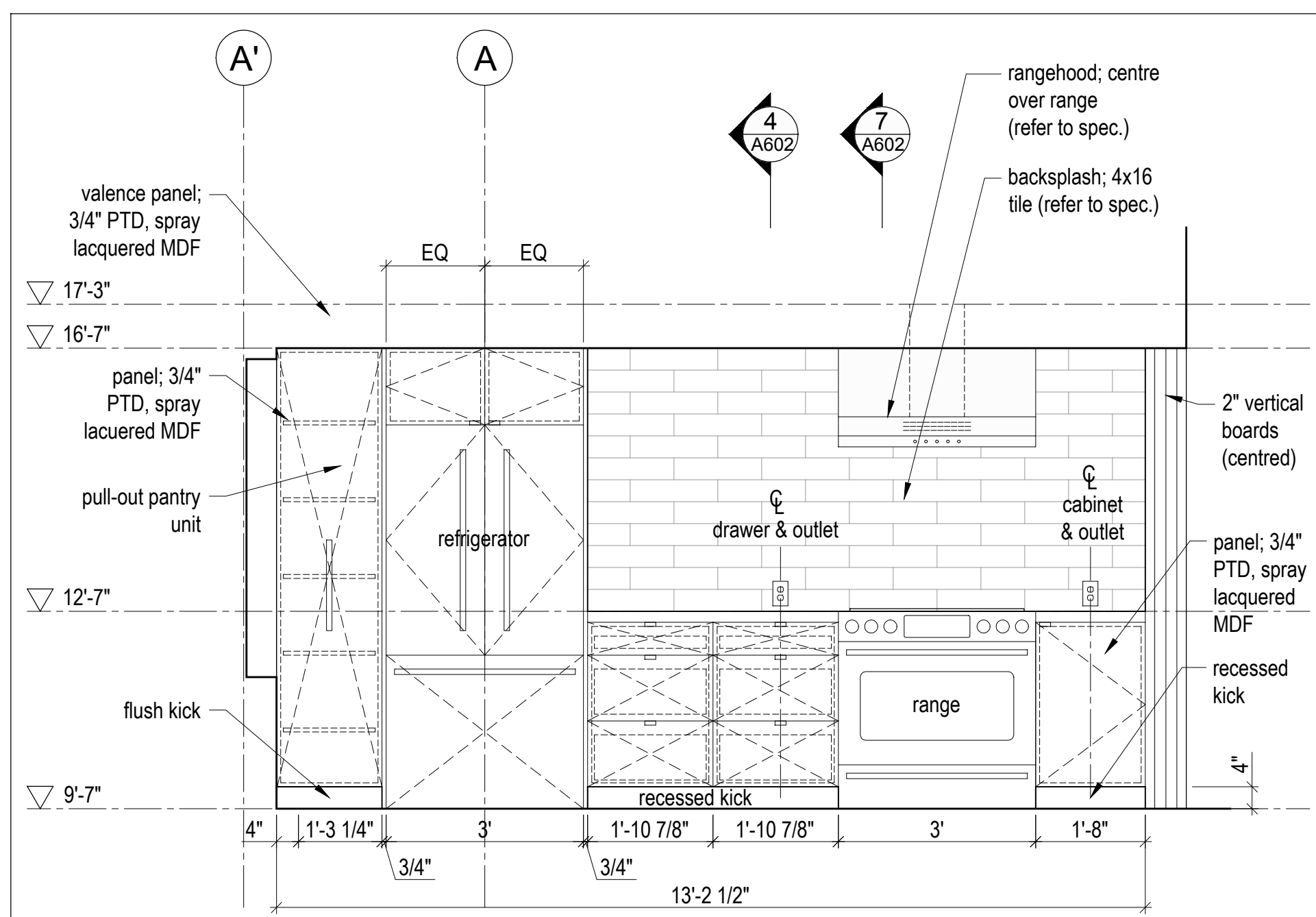
2 A602 Closet - Section, Typ.  
Scale 1" = 1'-0"



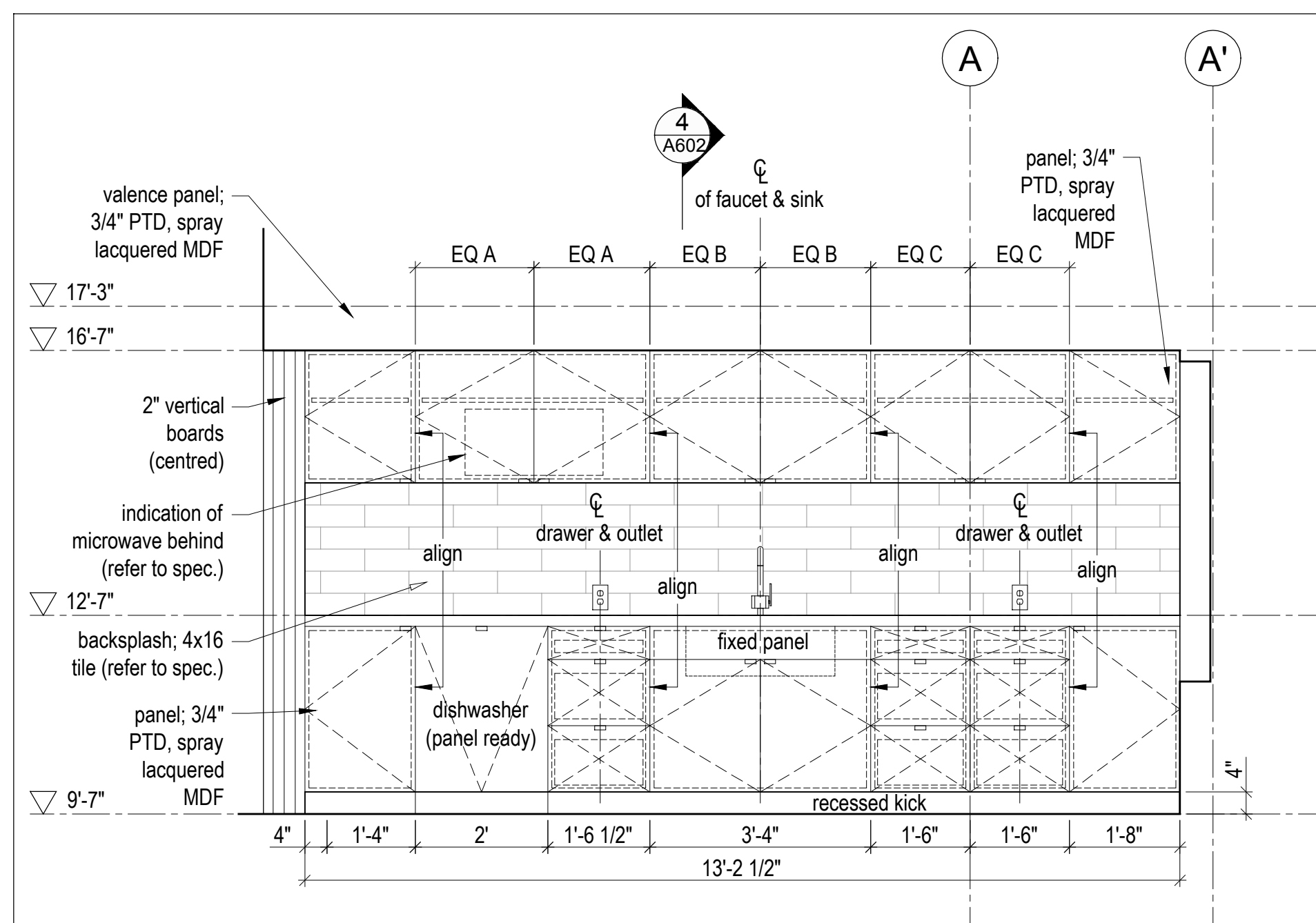
7 A602 Kitchen - Section  
Scale 1/2" = 1'-0"



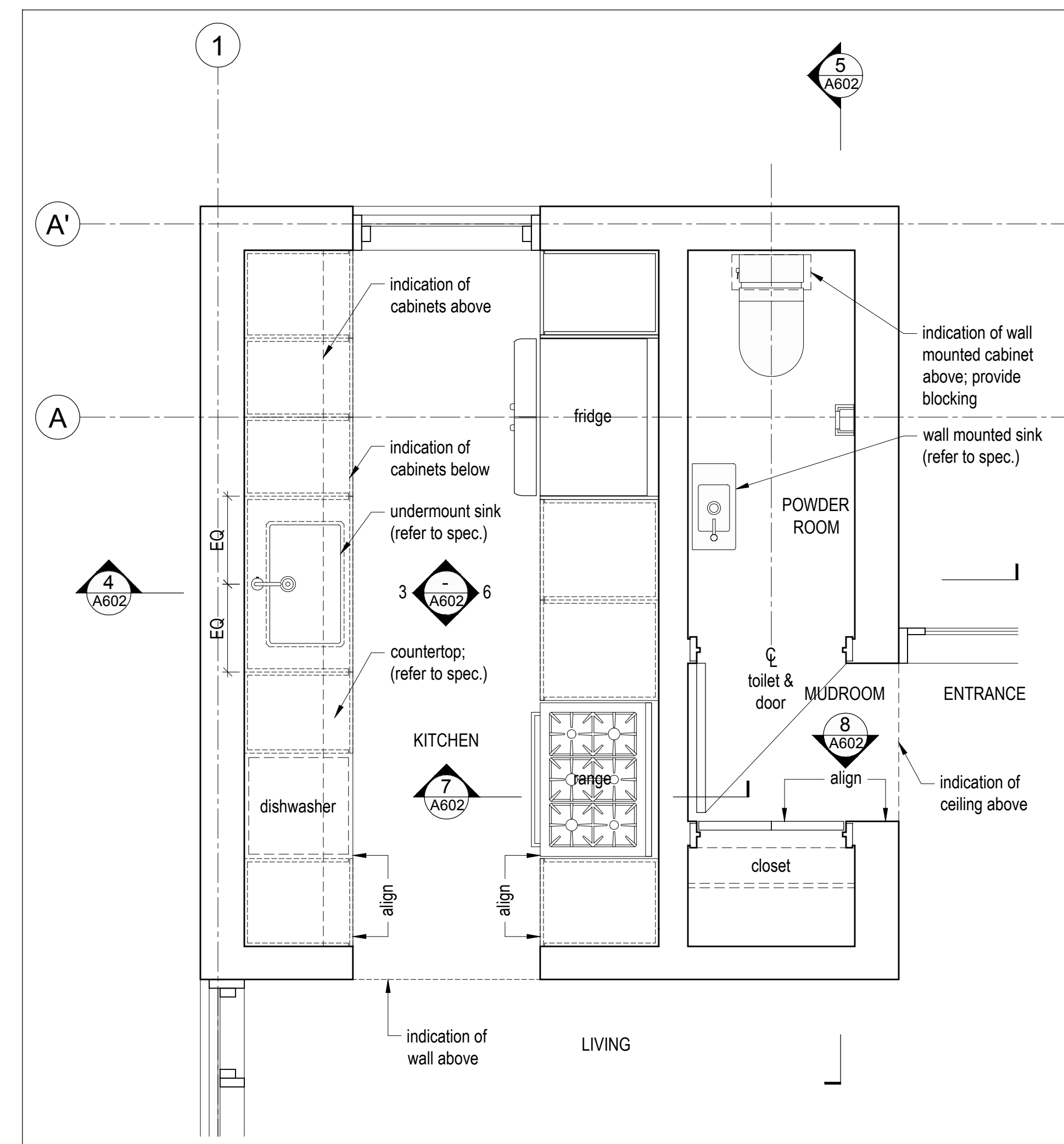
4 A602 Kitchen & Powder Room - Section  
Scale 1/2" = 1'-0"



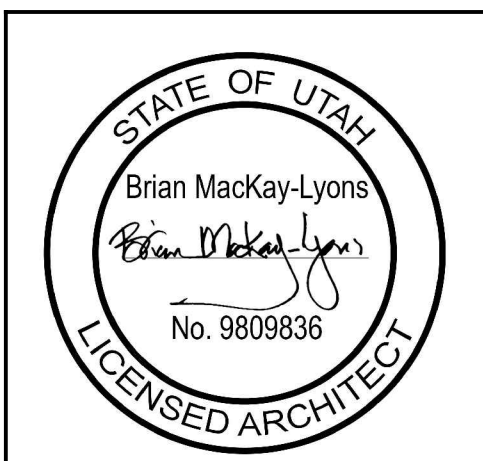
6 A602 Kitchen - Elevation  
Scale 1/2" = 1'-0"



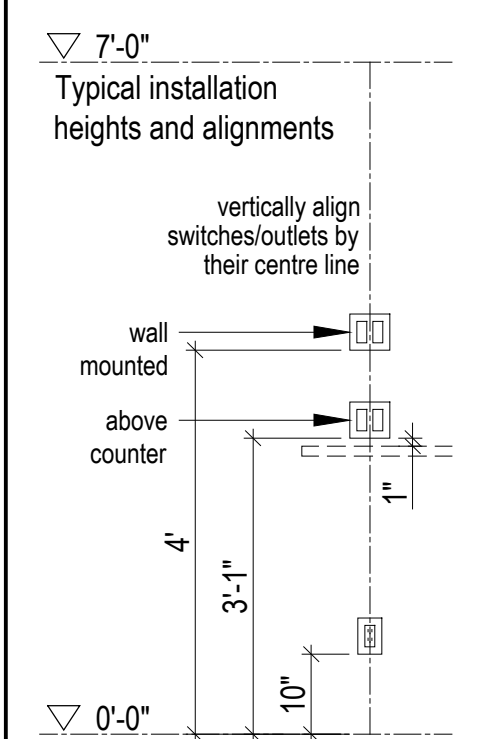
3 A602 Kitchen - Elevation  
Scale 1/2" = 1'-0"



1 A602 Kitchen/Powder Room/Mudroom - Enlarged Plan  
Scale 1/2" = 1'-0"

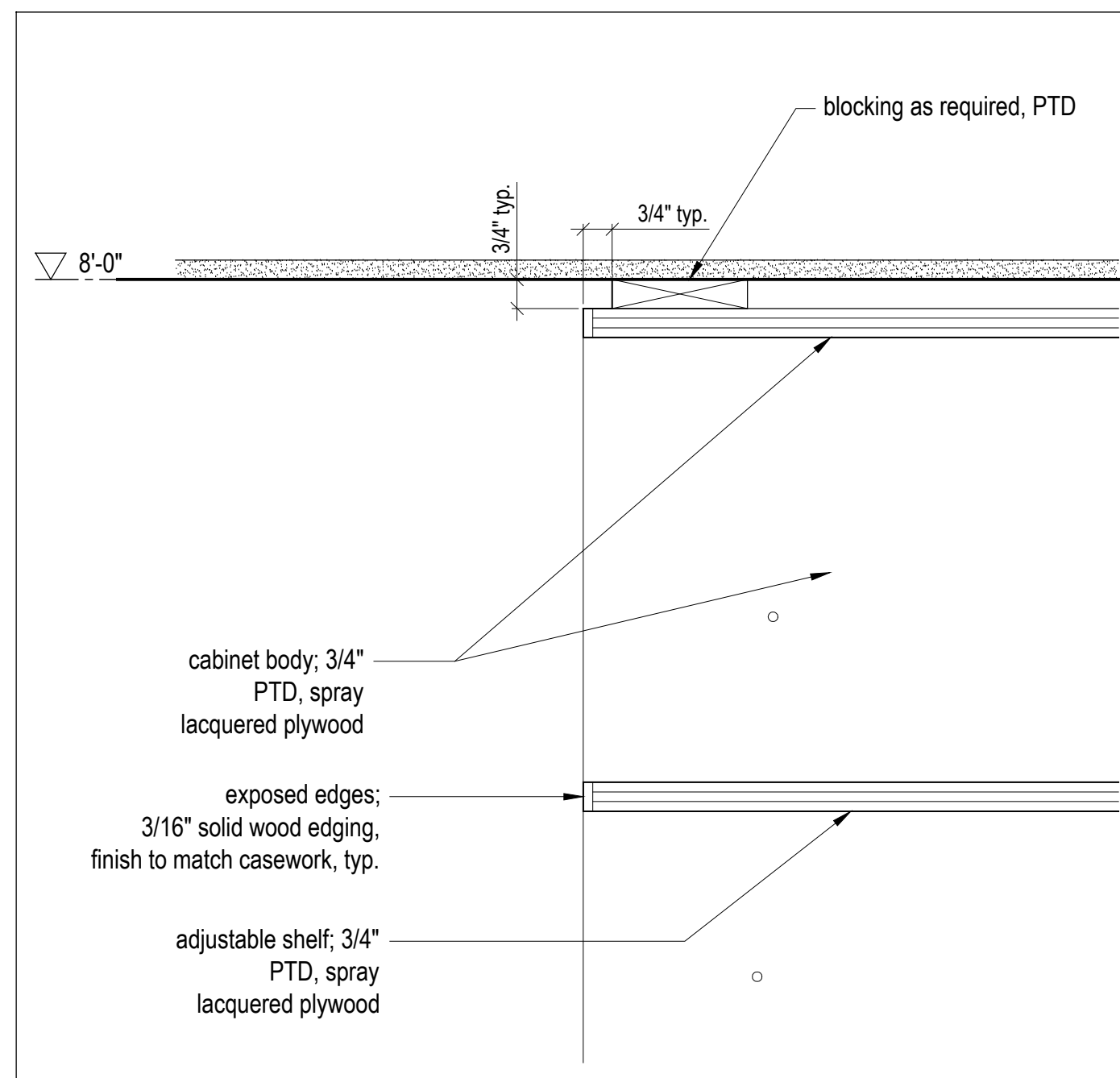


NOTE: all dimensions to be verified in field

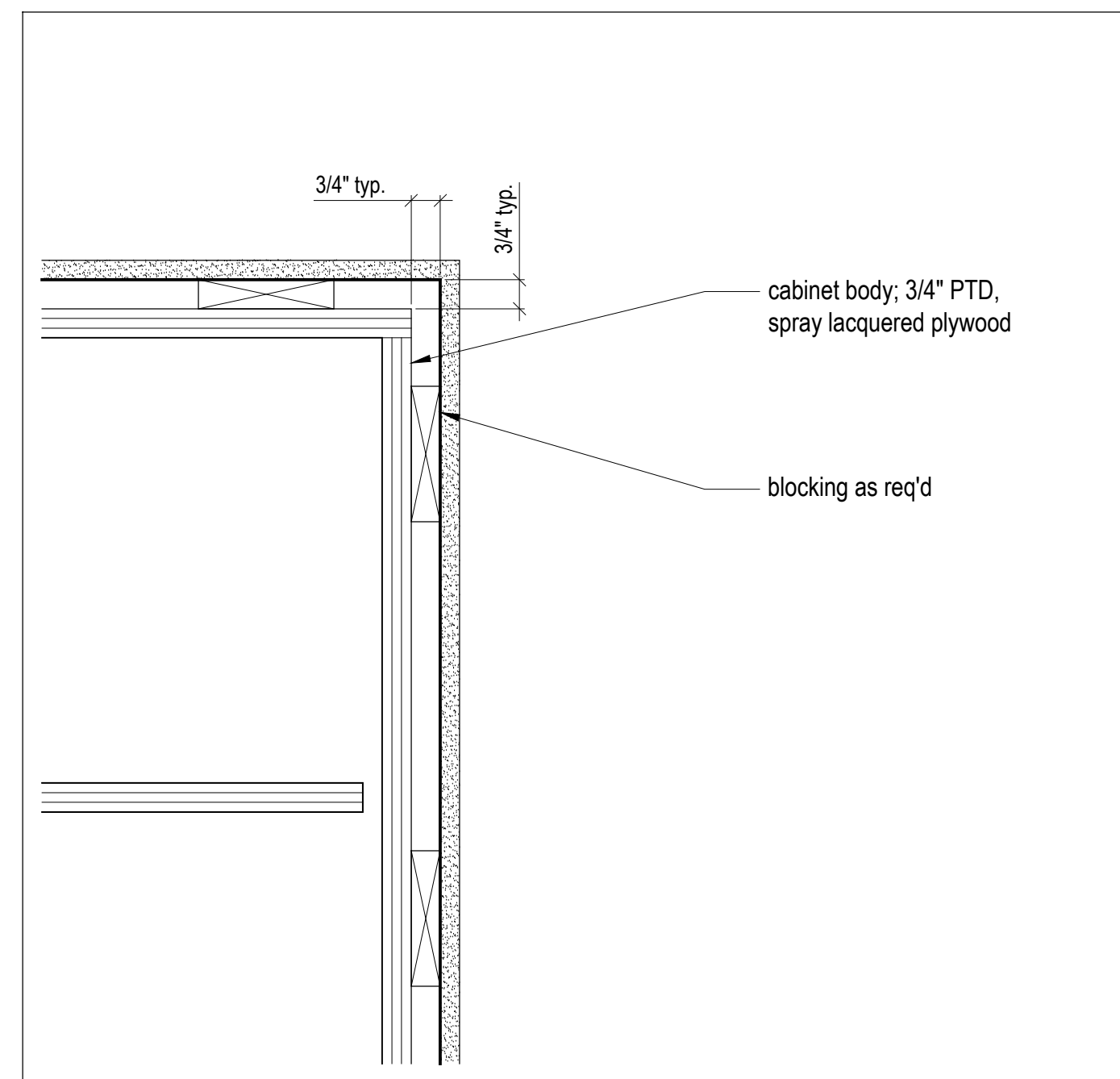


No.	Description	Date
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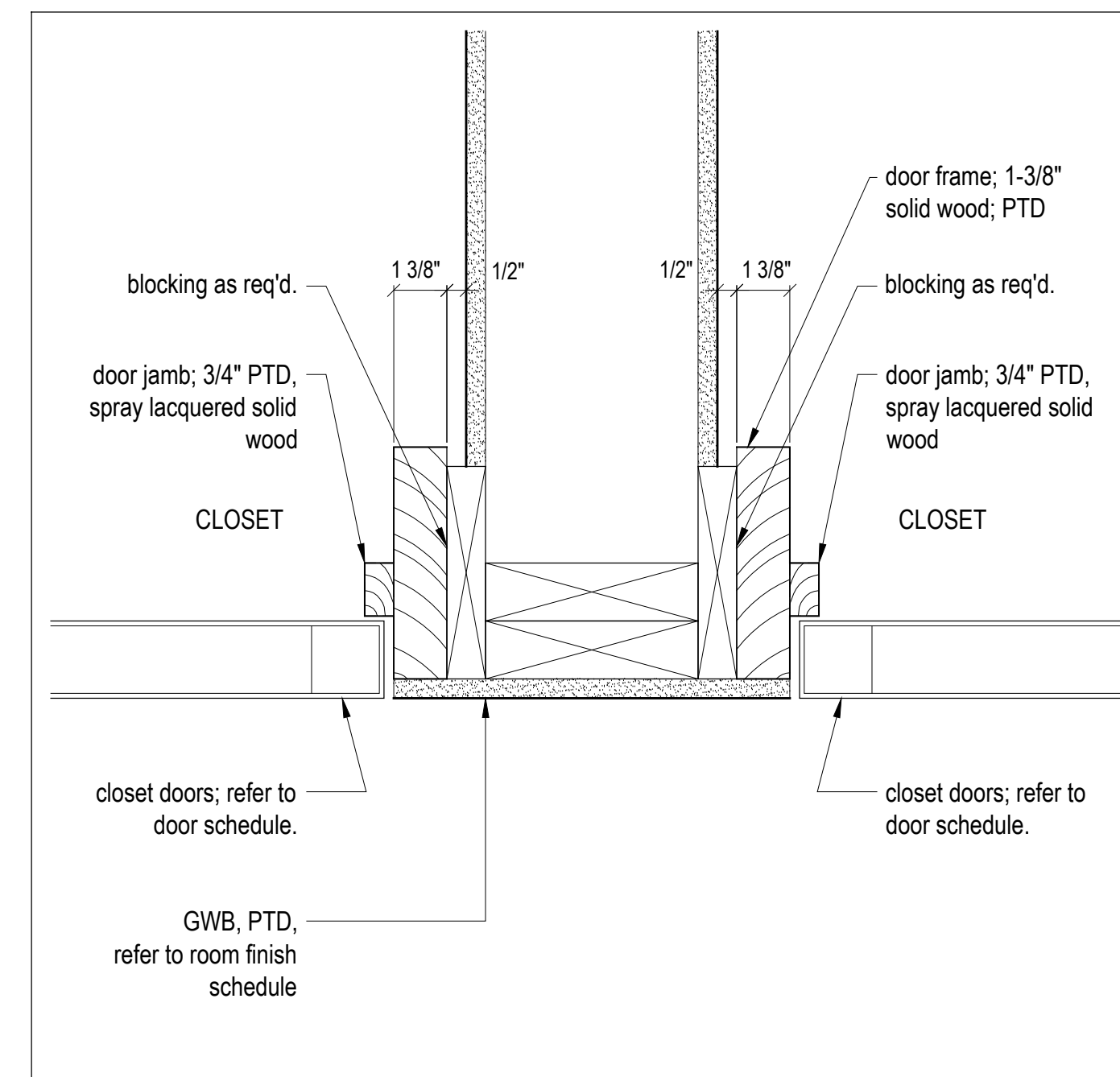
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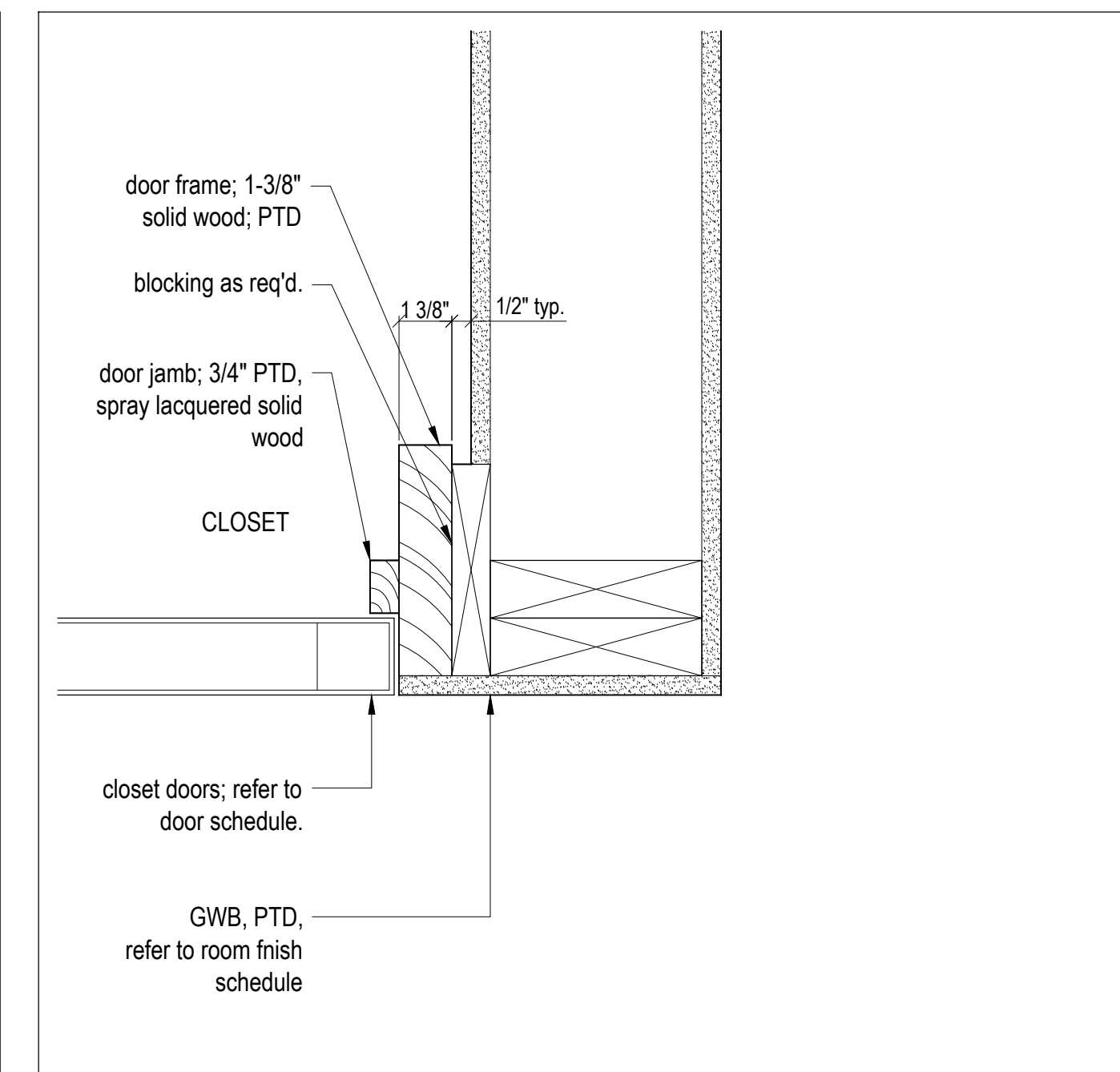
12 Closet - Section Detail  
Scale 3" = 1'-0"



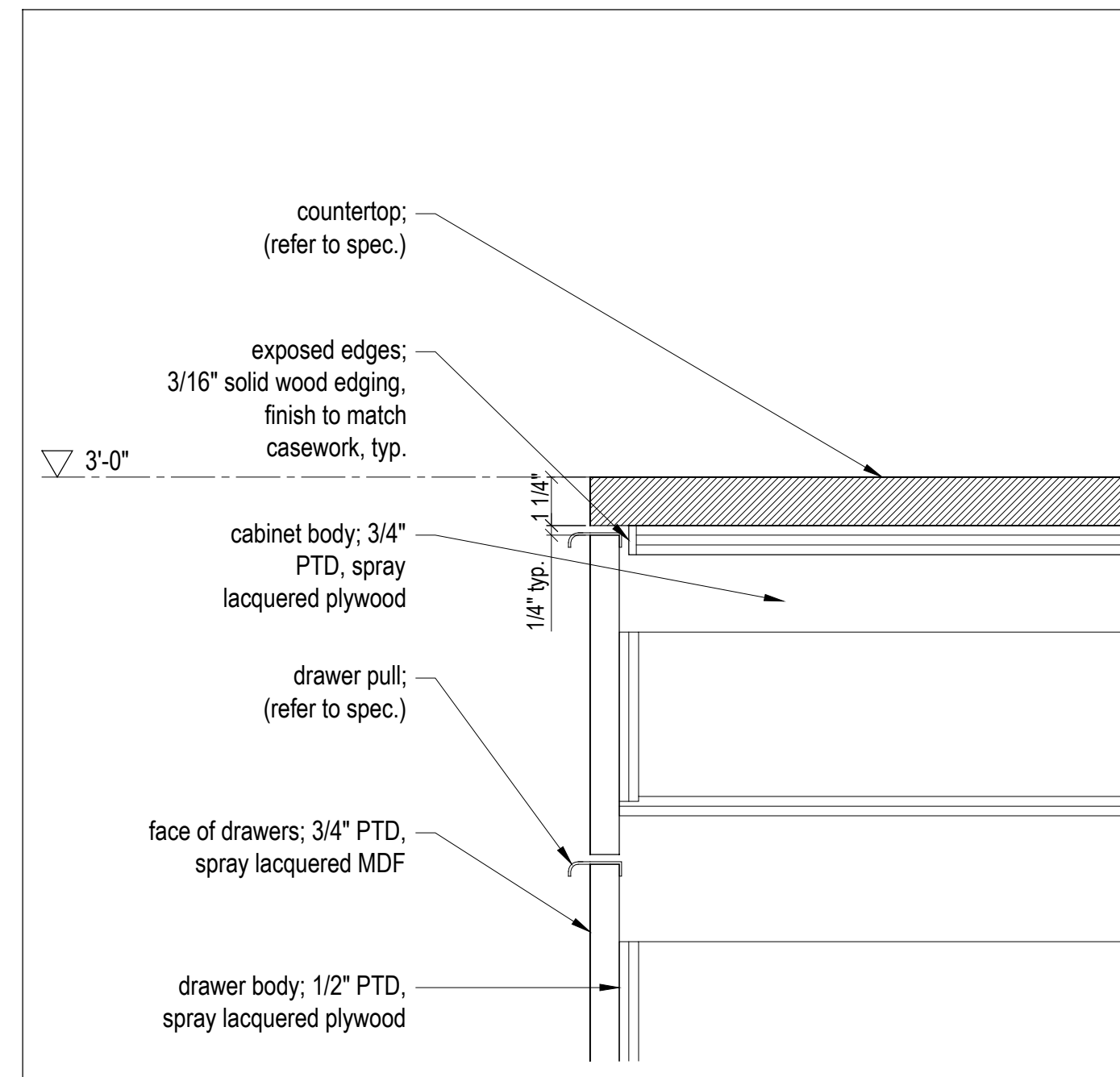
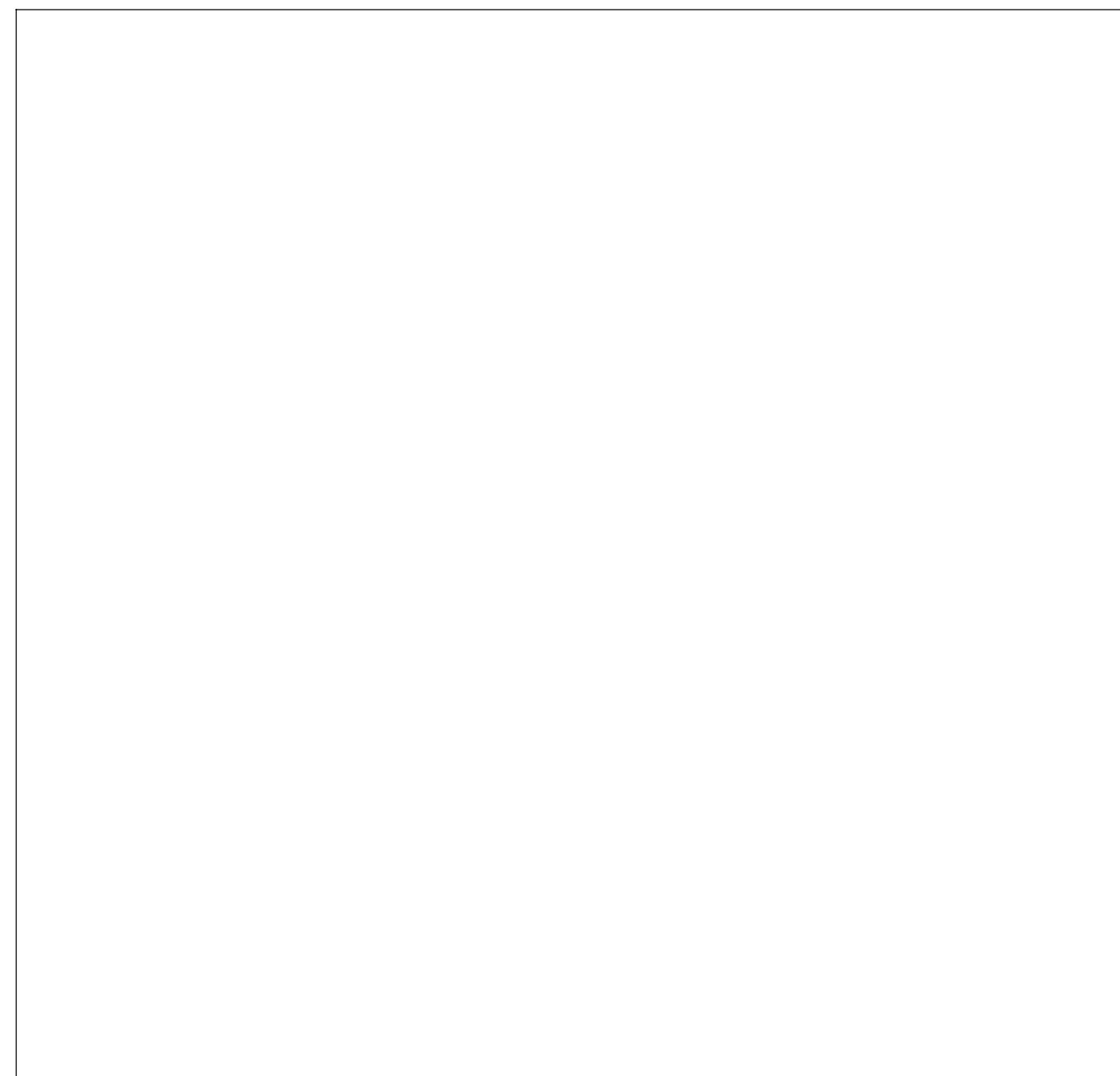
9 Closet - Section Detail  
Scale 3" = 1'-0"



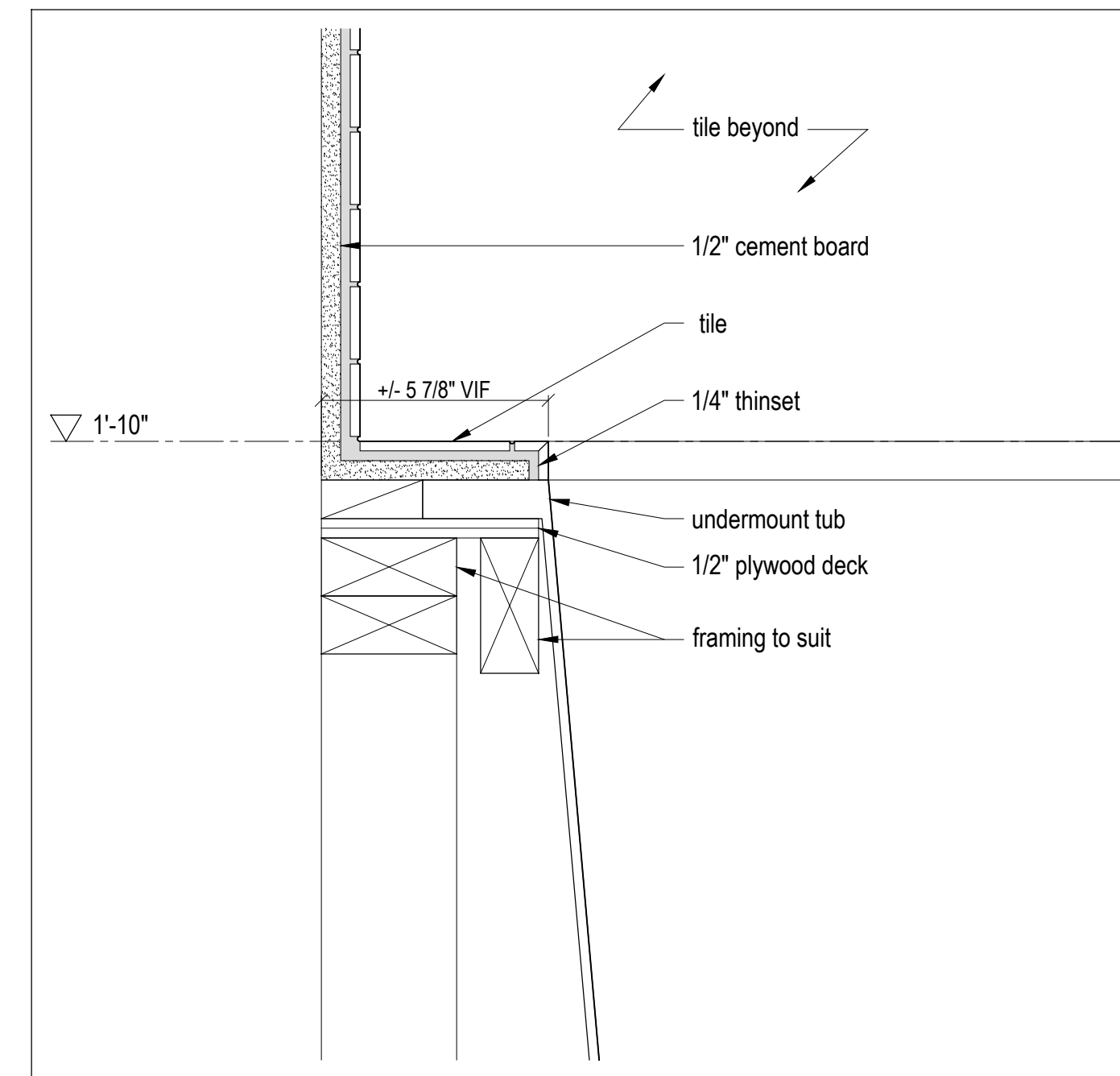
6 Door frame - Section Detail, Typ.  
Scale 3" = 1'-0"



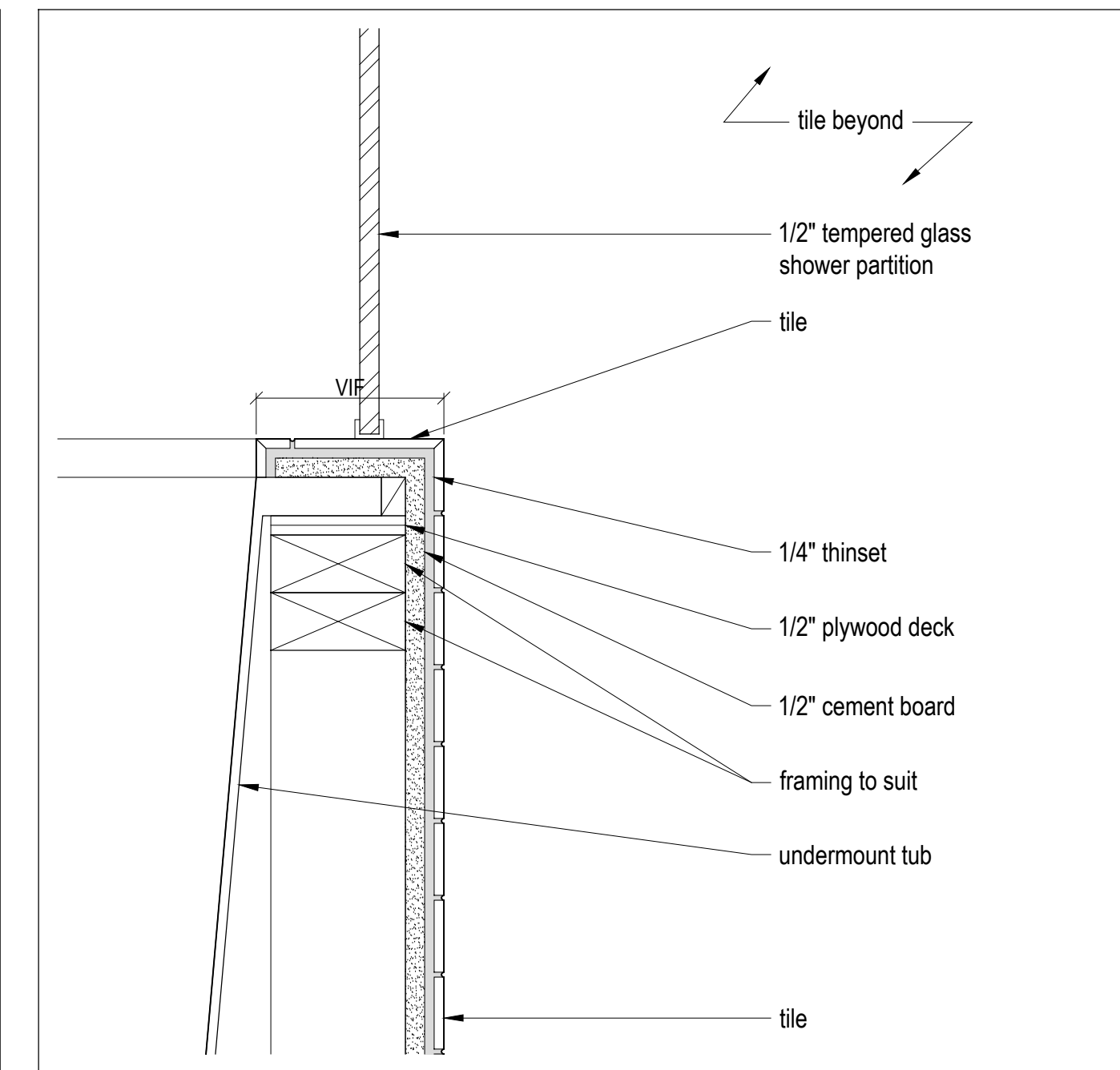
3 Door frame - Section Detail, Typ.  
Scale 3" = 1'-0"



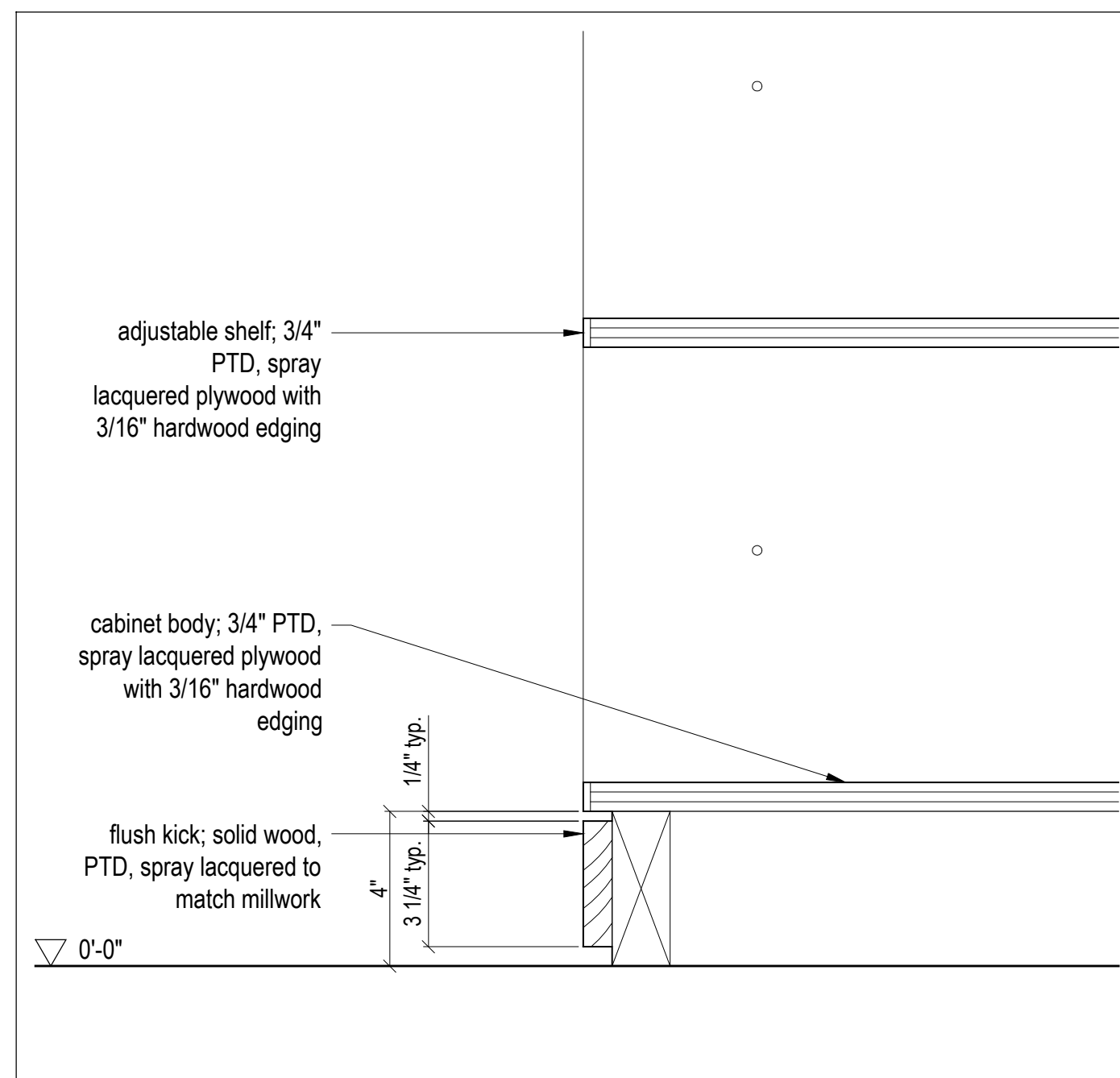
8 Bathroom vanity - Section Detail  
Scale 3" = 1'-0"



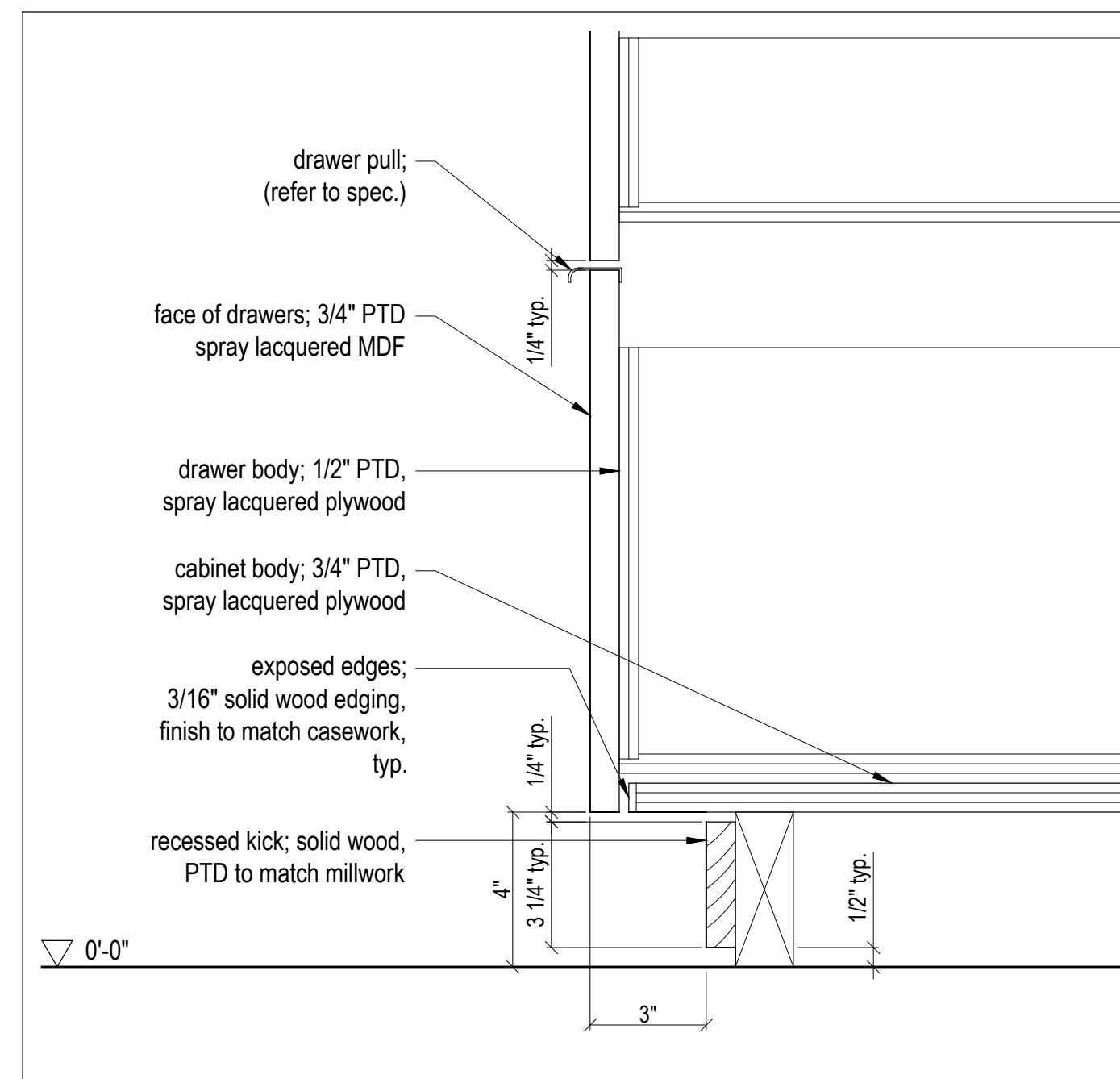
5 Bathtub - Section Detail  
Scale 3" = 1'-0"



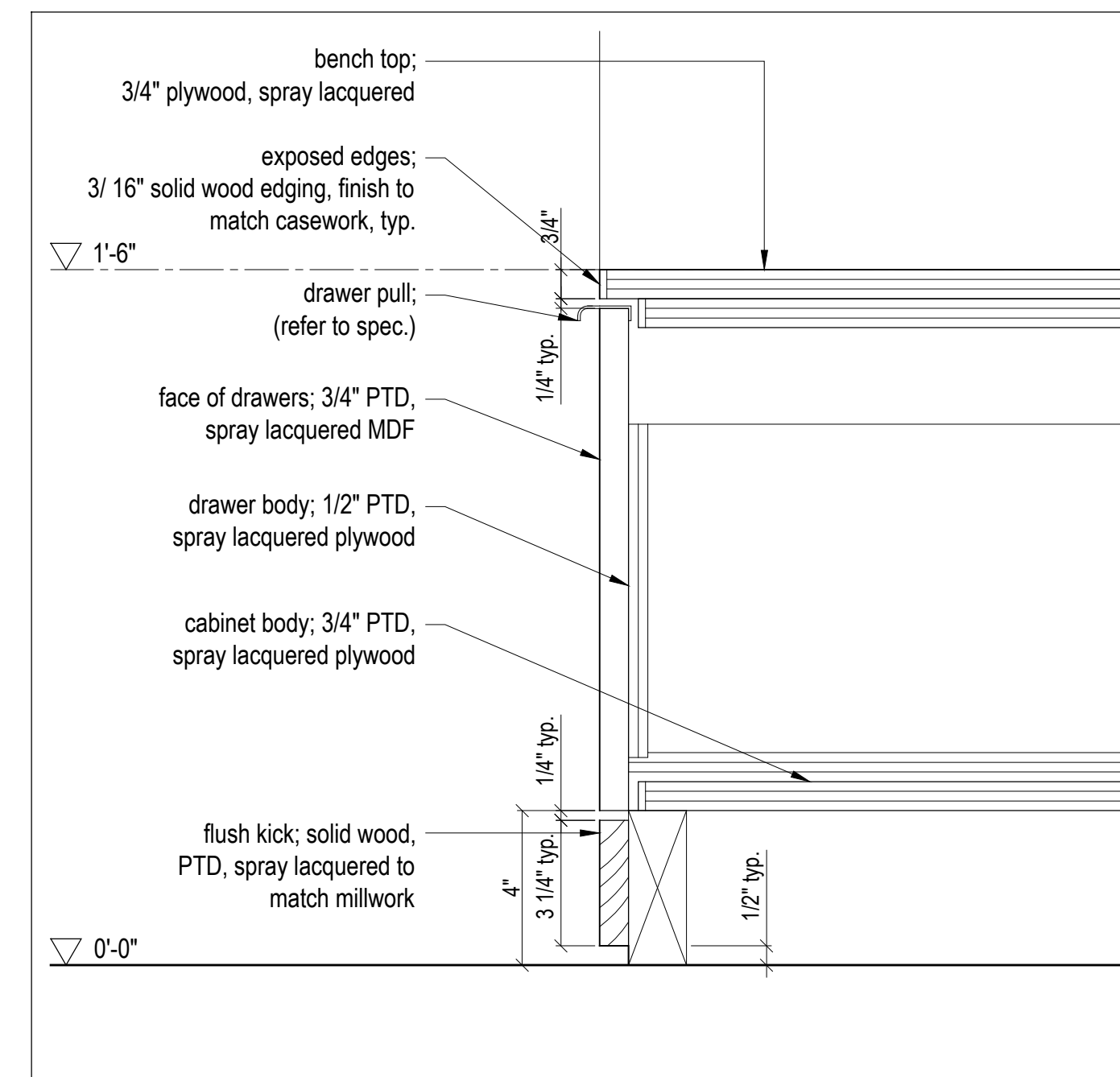
2 Bathtub - Section Detail  
Scale 1" = 1'-0"



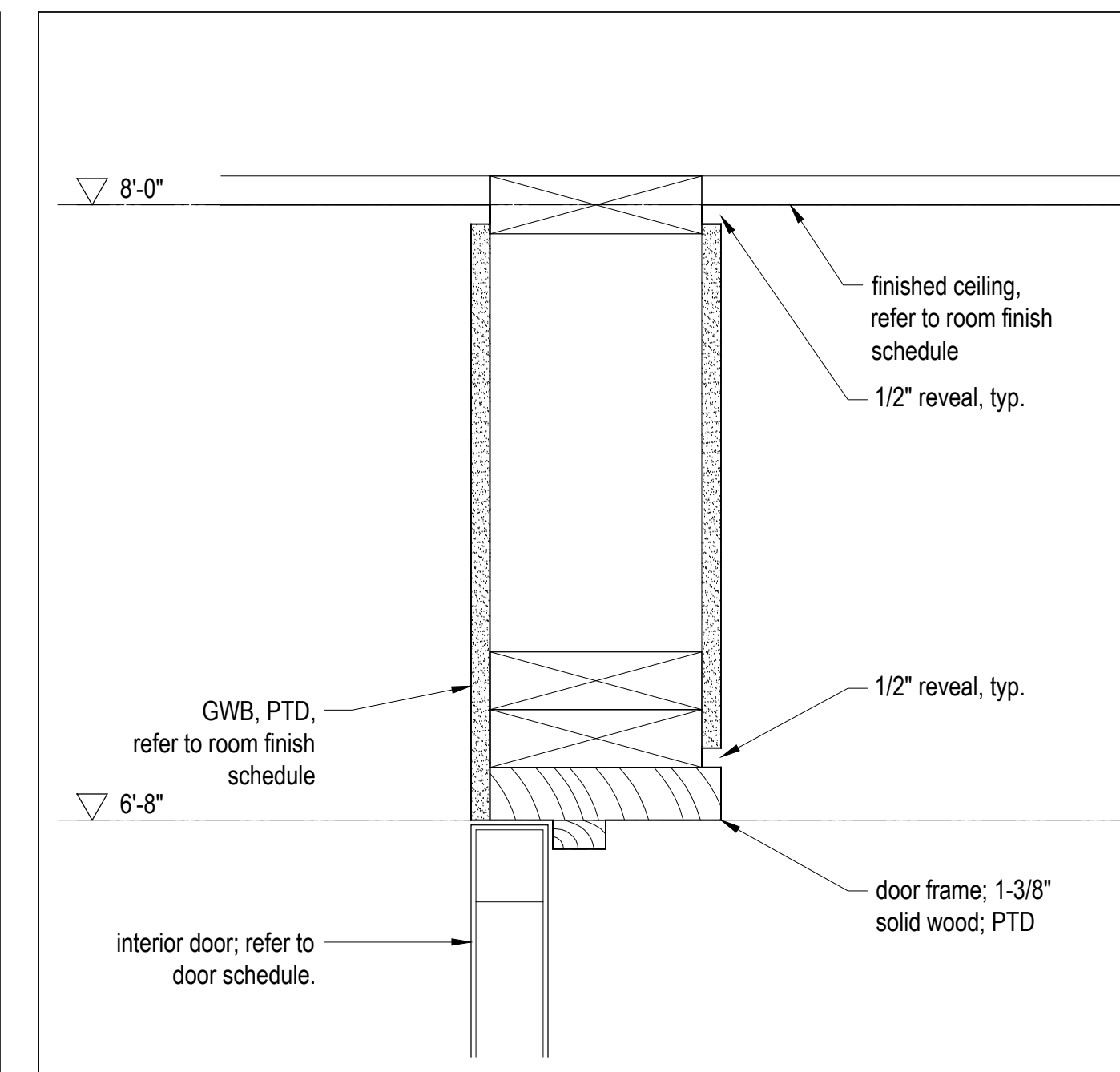
10 Closet - Section Detail  
Scale 3" = 1'-0"



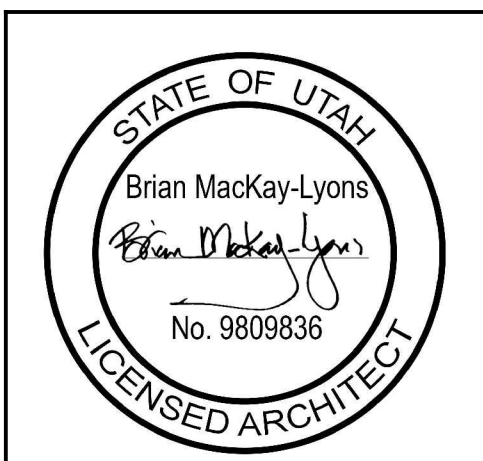
7 Bathroom vanity - Section Detail  
Scale 3" = 1'-0"



4 Bench - Section Detail  
Scale 3" = 1'-0"



1 Closet - Section Detail  
Scale 3" = 1'-0"



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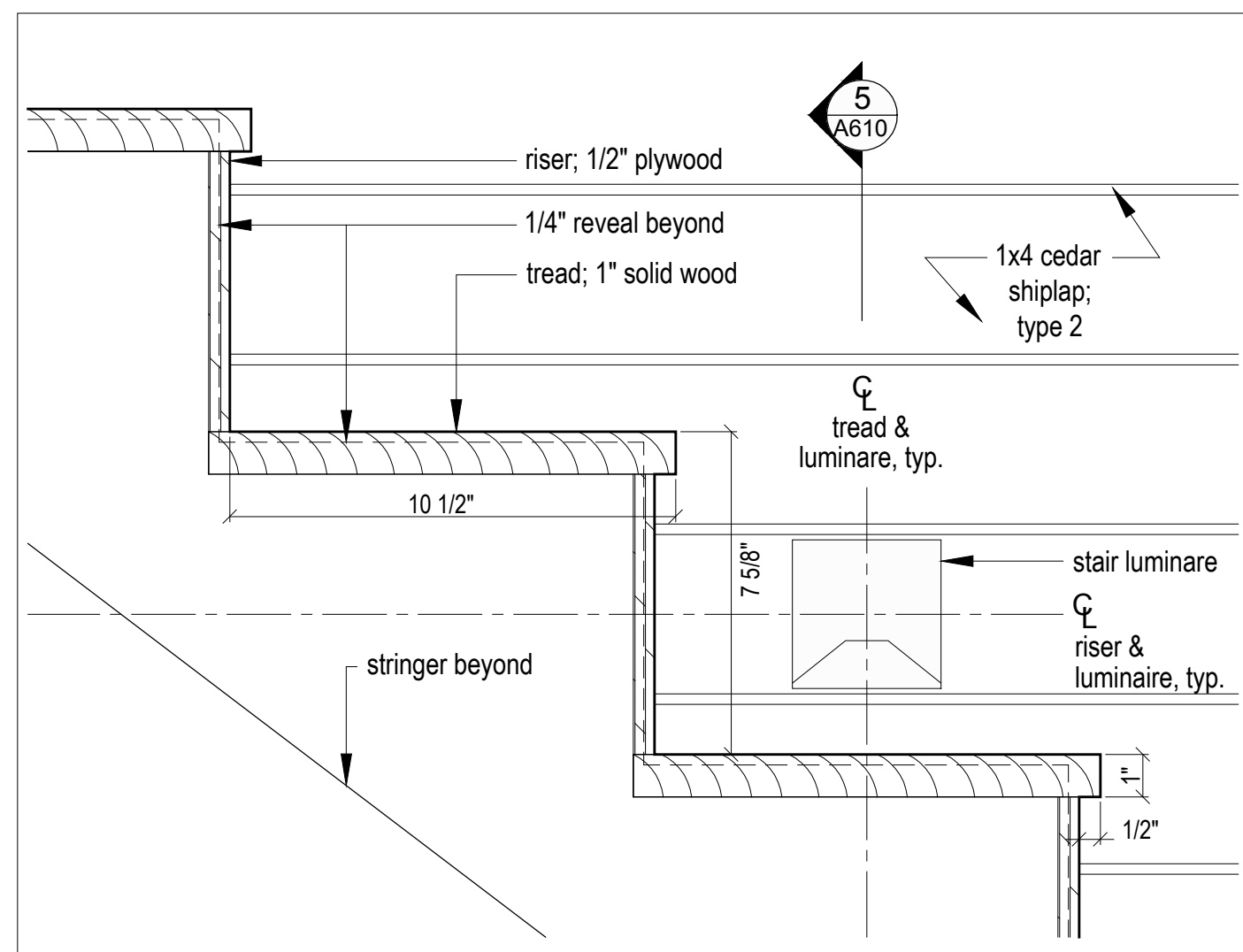
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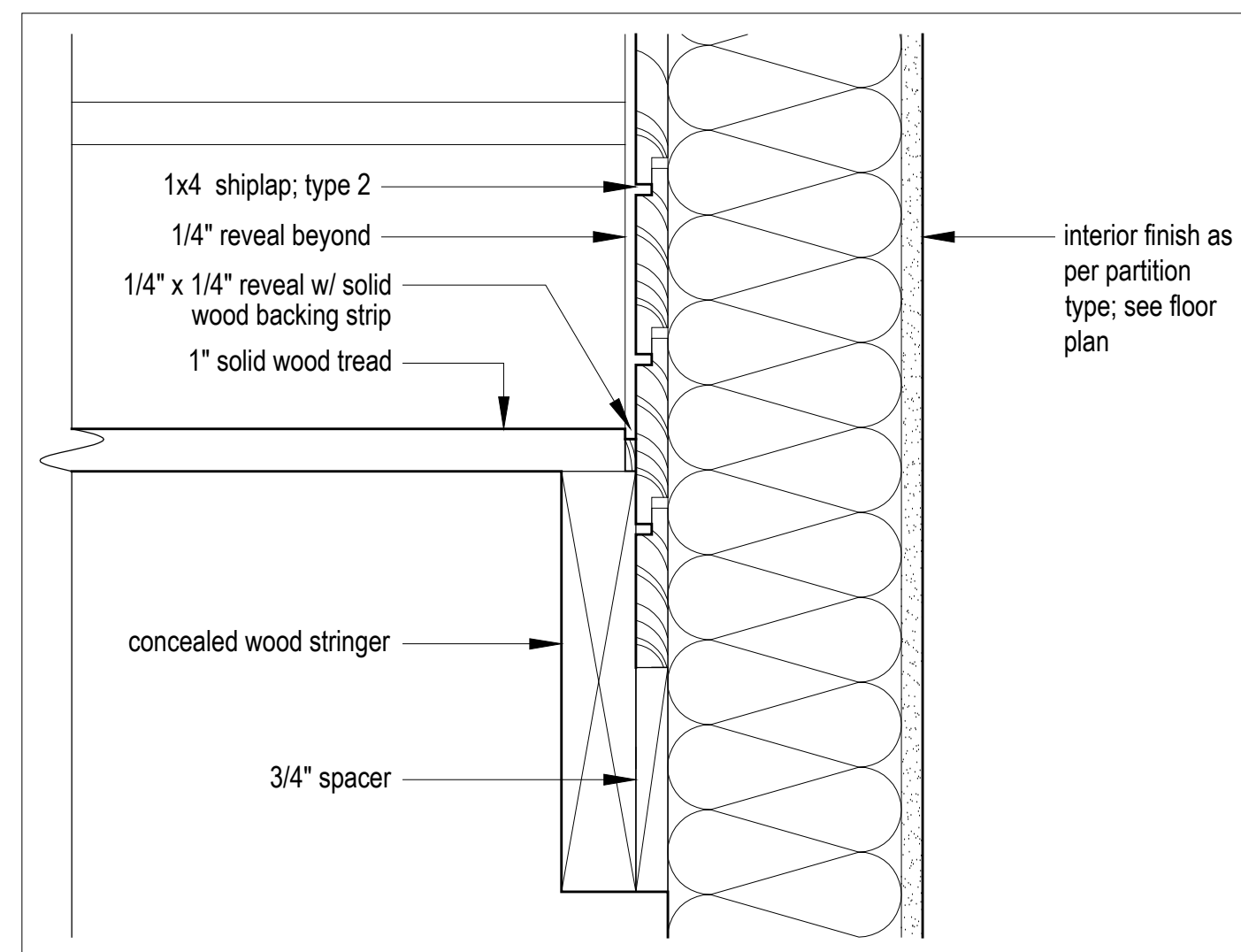
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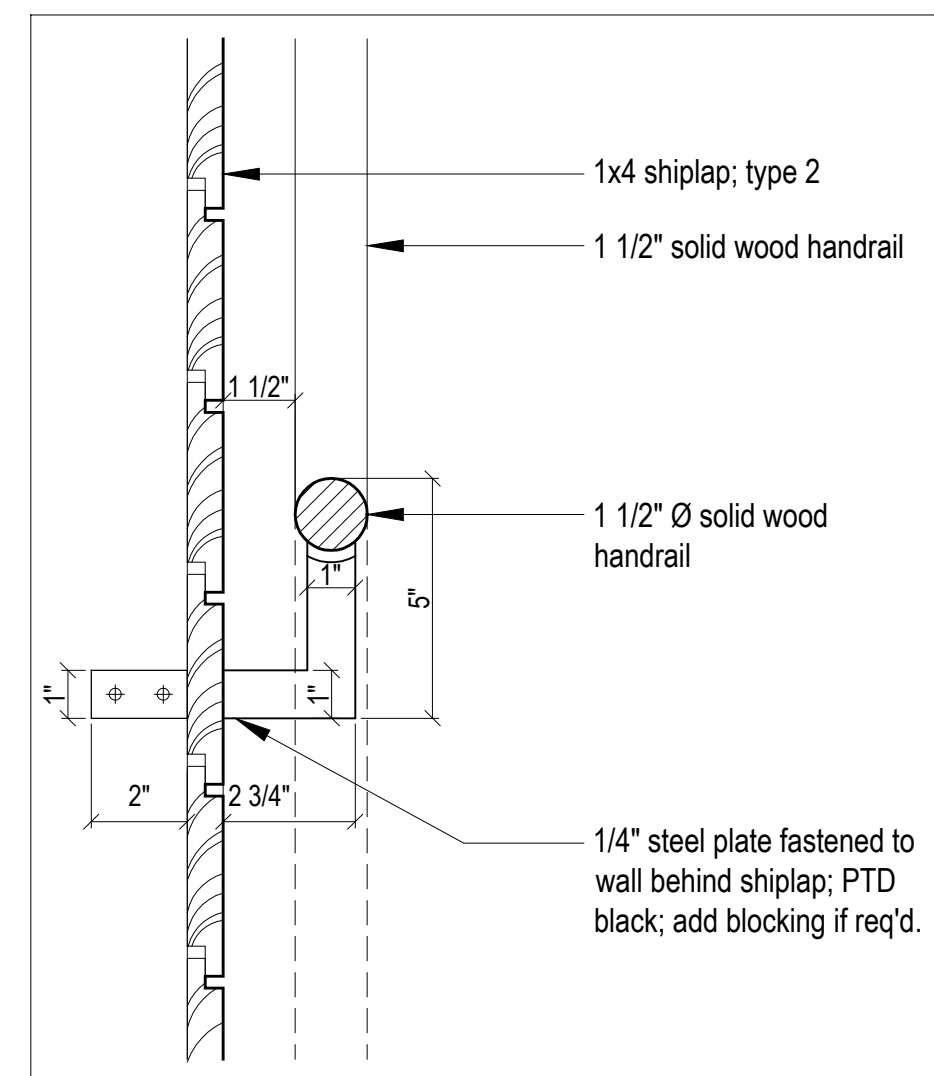
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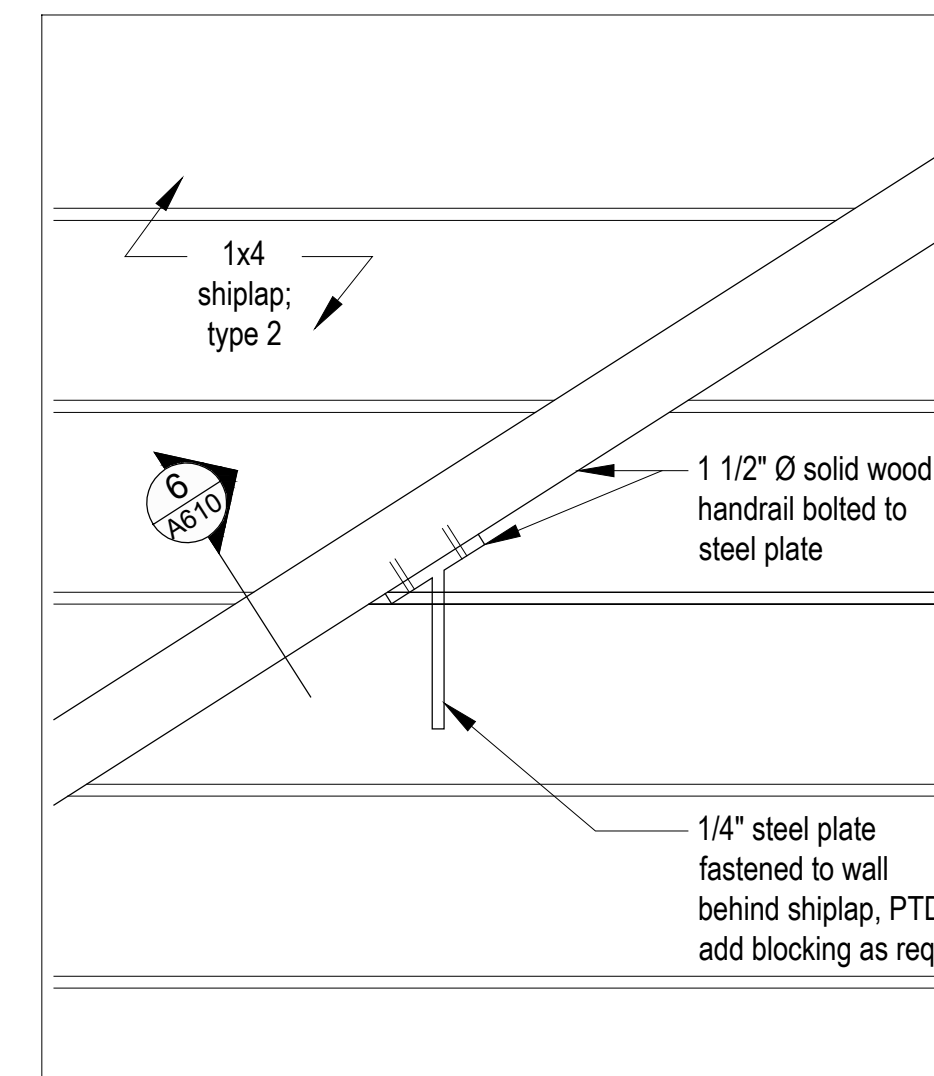
9 Stair detail  
3/4"=1'-0"



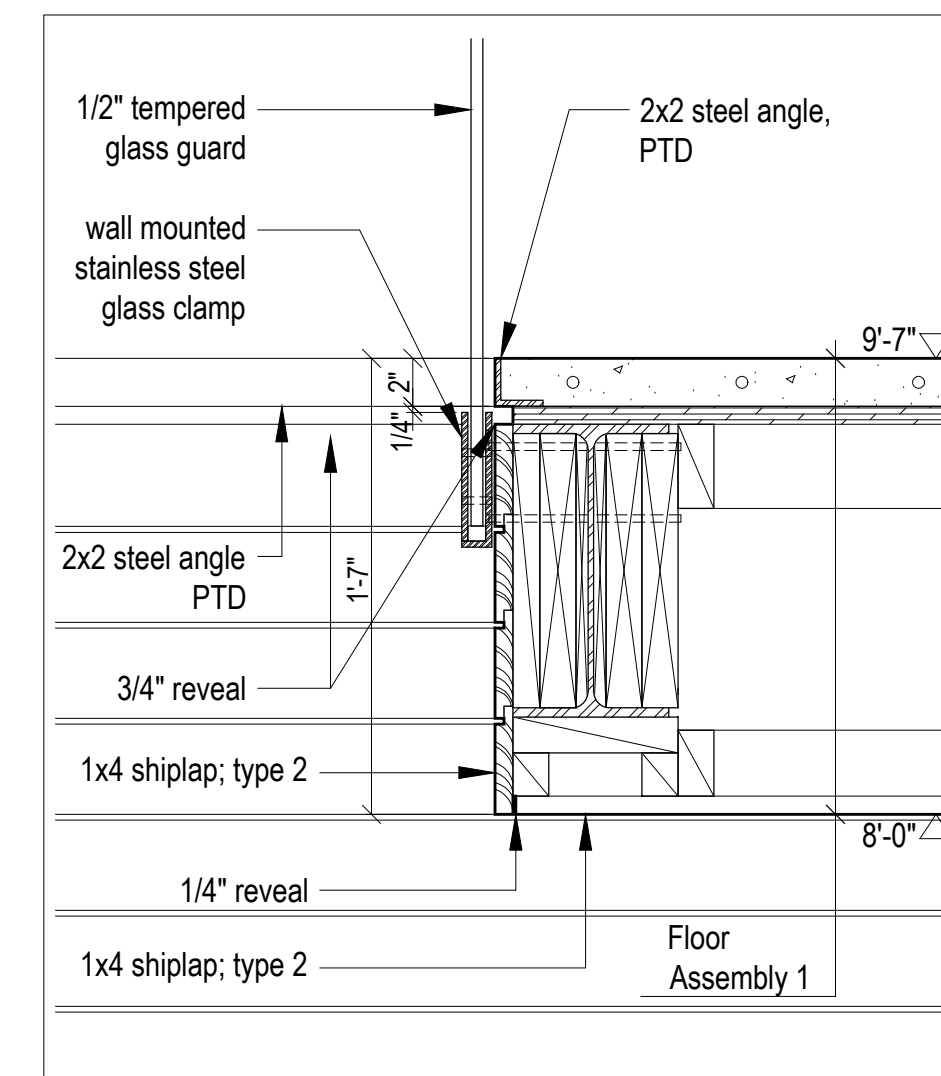
8 Stair detail  
3/4"=1'-0"



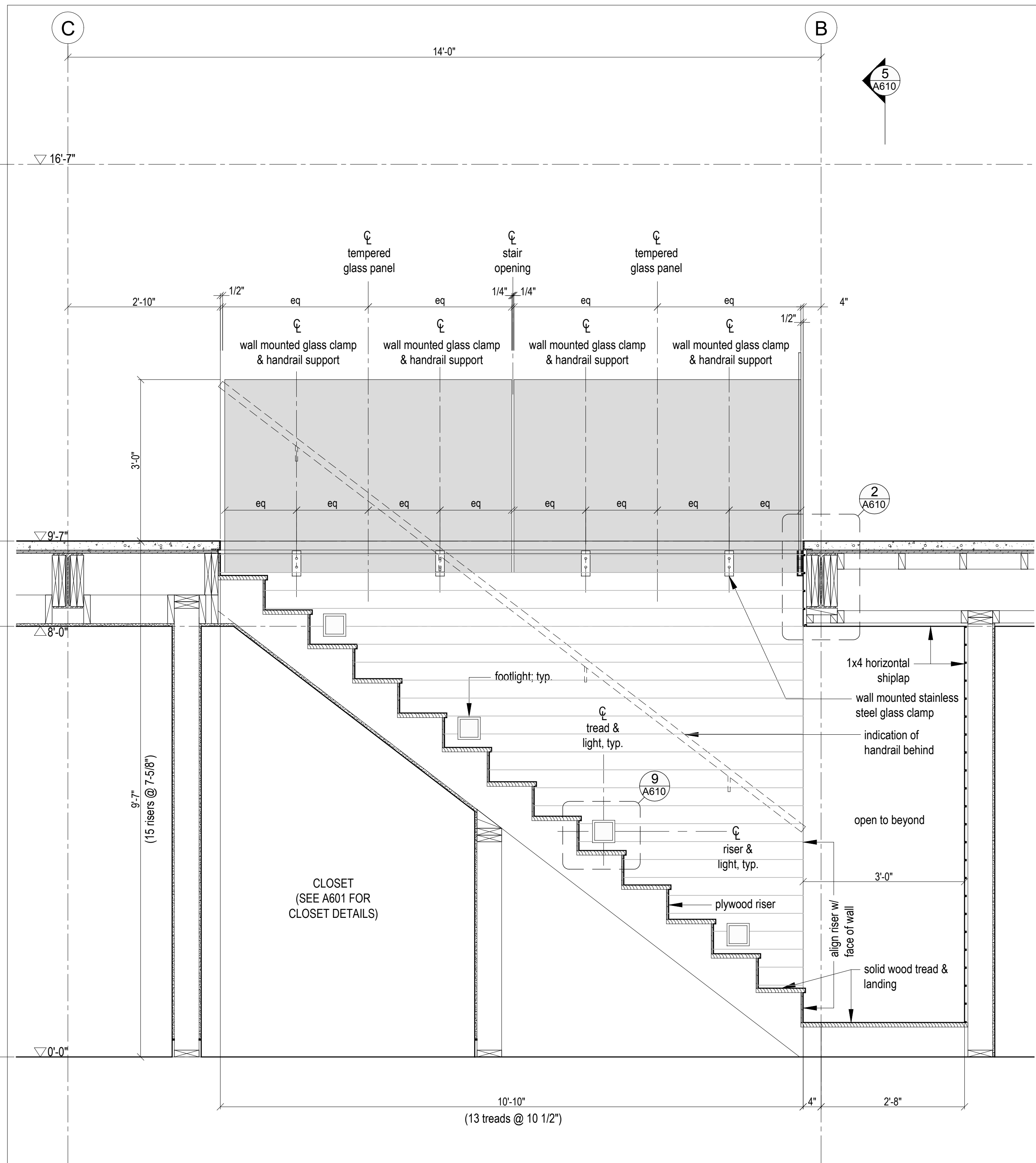
6 Handrail section detail  
3/4"=1'-0"



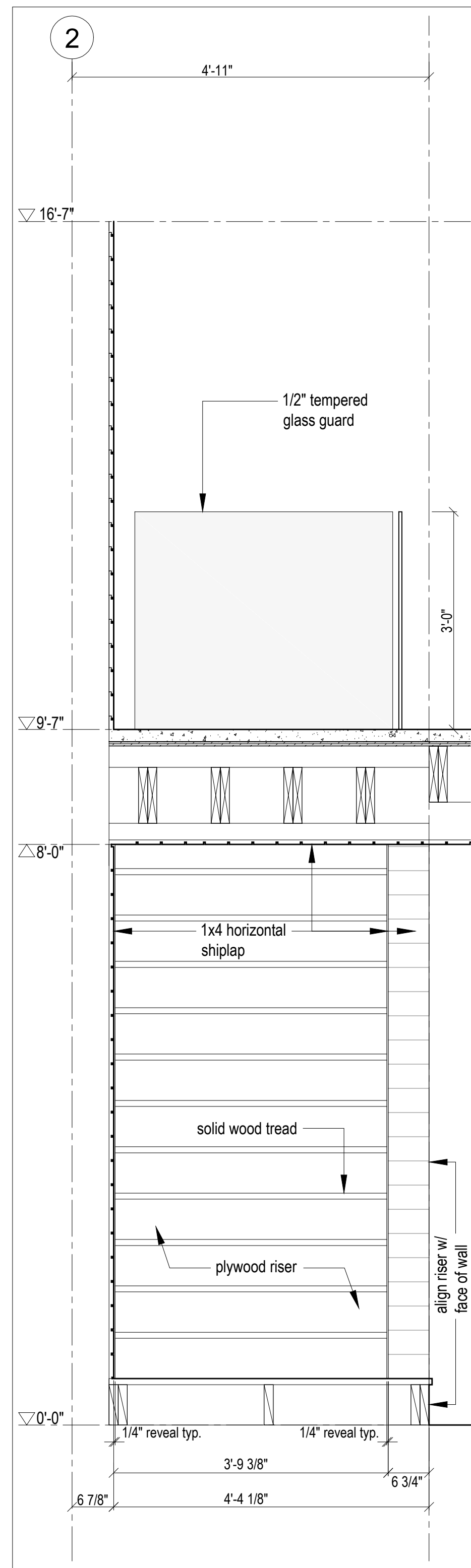
4 Handrail connection detail  
3/4"=1'-0"



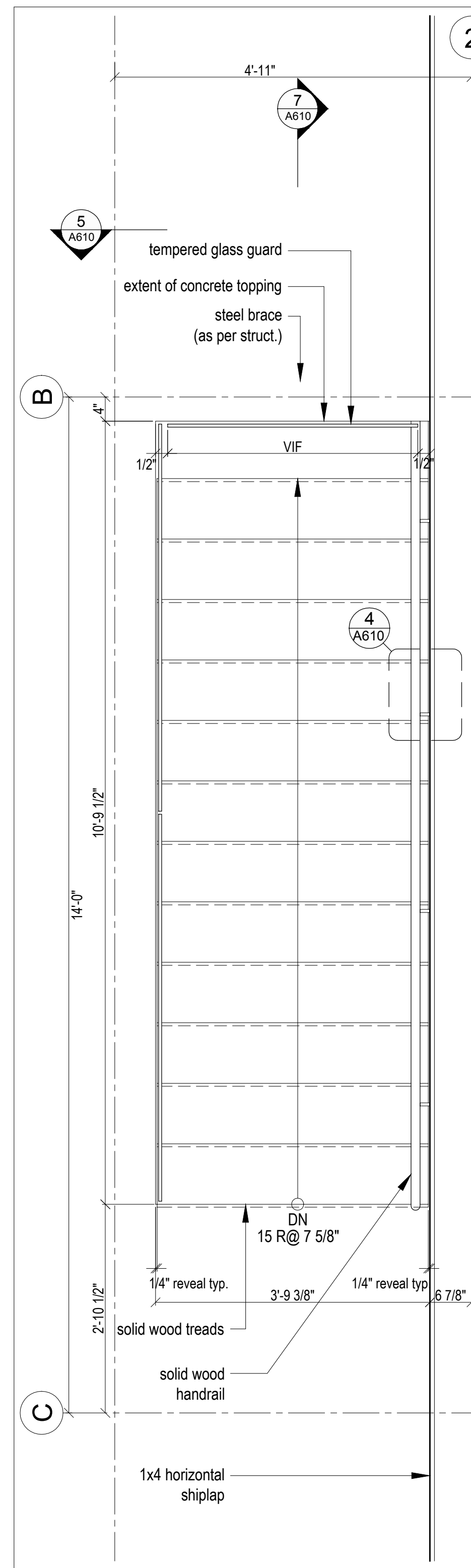
2 Guard Connection Detail  
1-1/2"=1'-0"



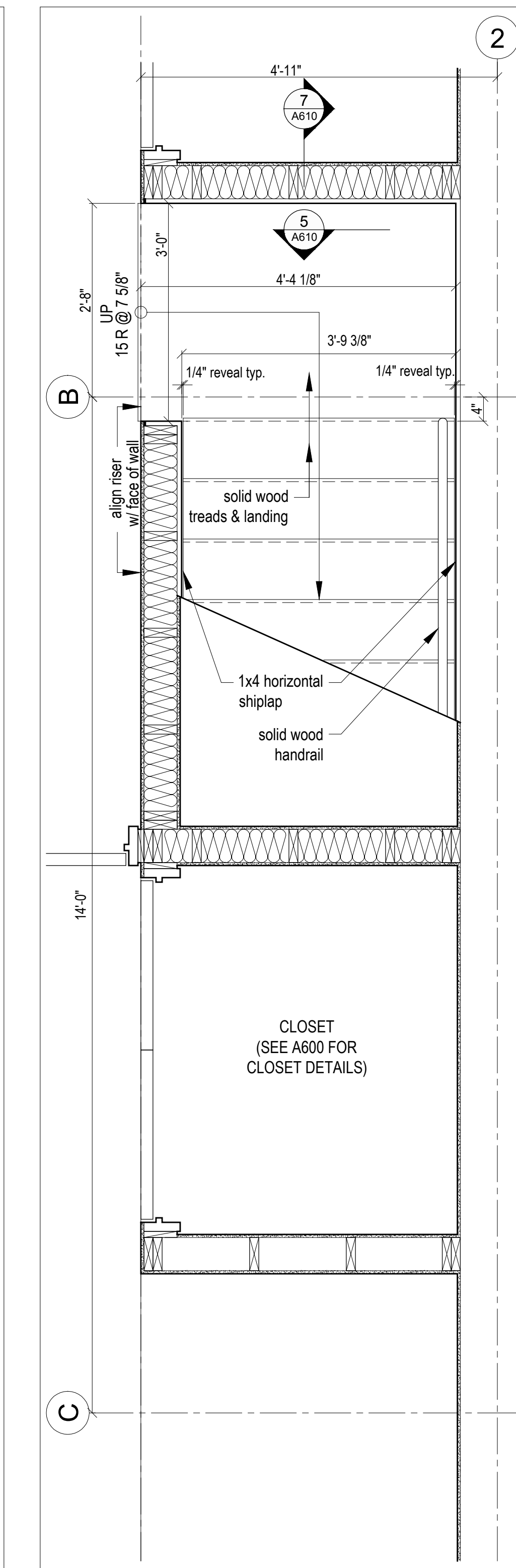
7 Stair section  
3/4"=1'-0"



5 Stair Section  
3/4"=1'-0"



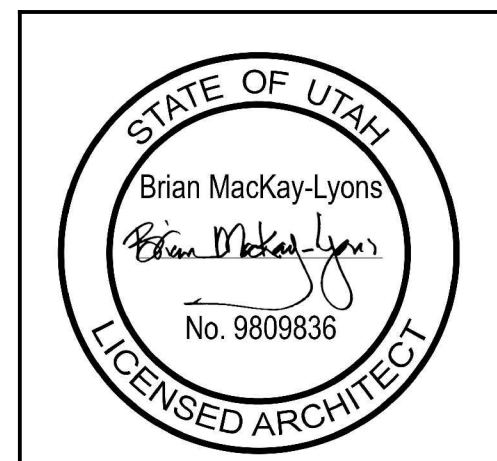
3 Enlarged Main Floor Plan  
3/4"=1'-0"



1 Enlarged Lower Floor Plan  
3/4"=1'-0"

Horizon Neighborhood  
Summit Powder Mountain, Egan, Utah

MackKay-Lyons Sweetapple Architects Limited  
2188 Göttingen St., Halifax, Nova Scotia, Canada B3K 3B4  
ph: (902) 429-1867  
fax: (902) 429-6276

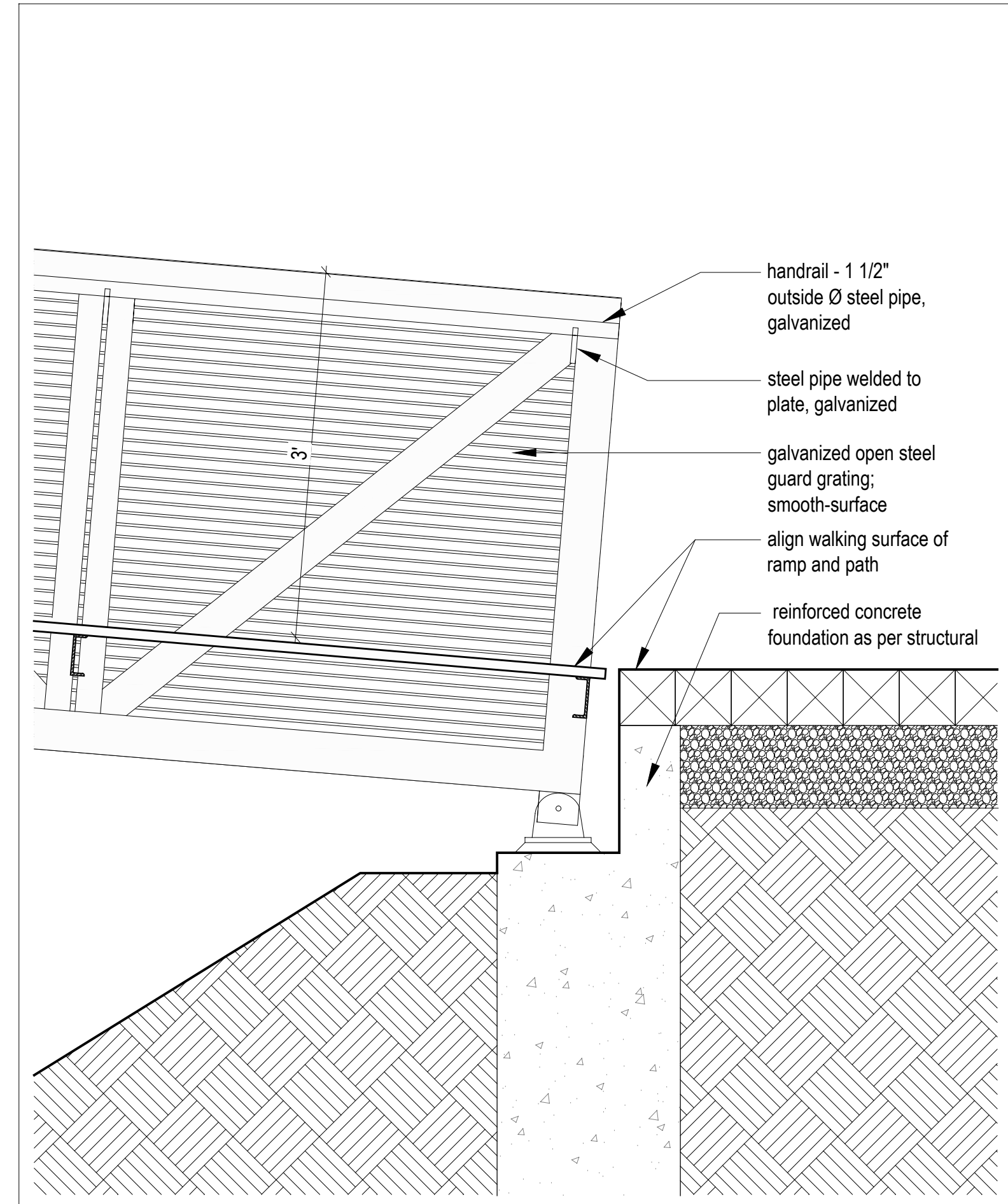
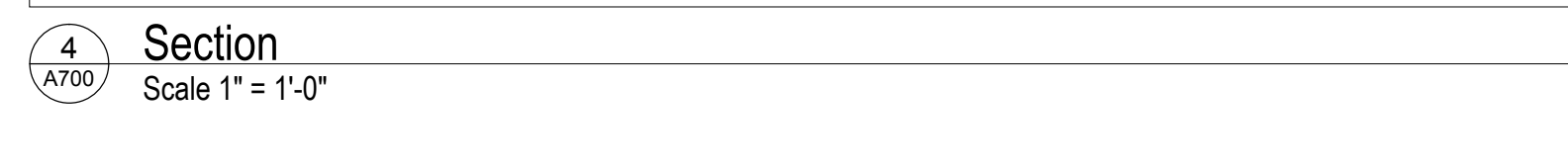
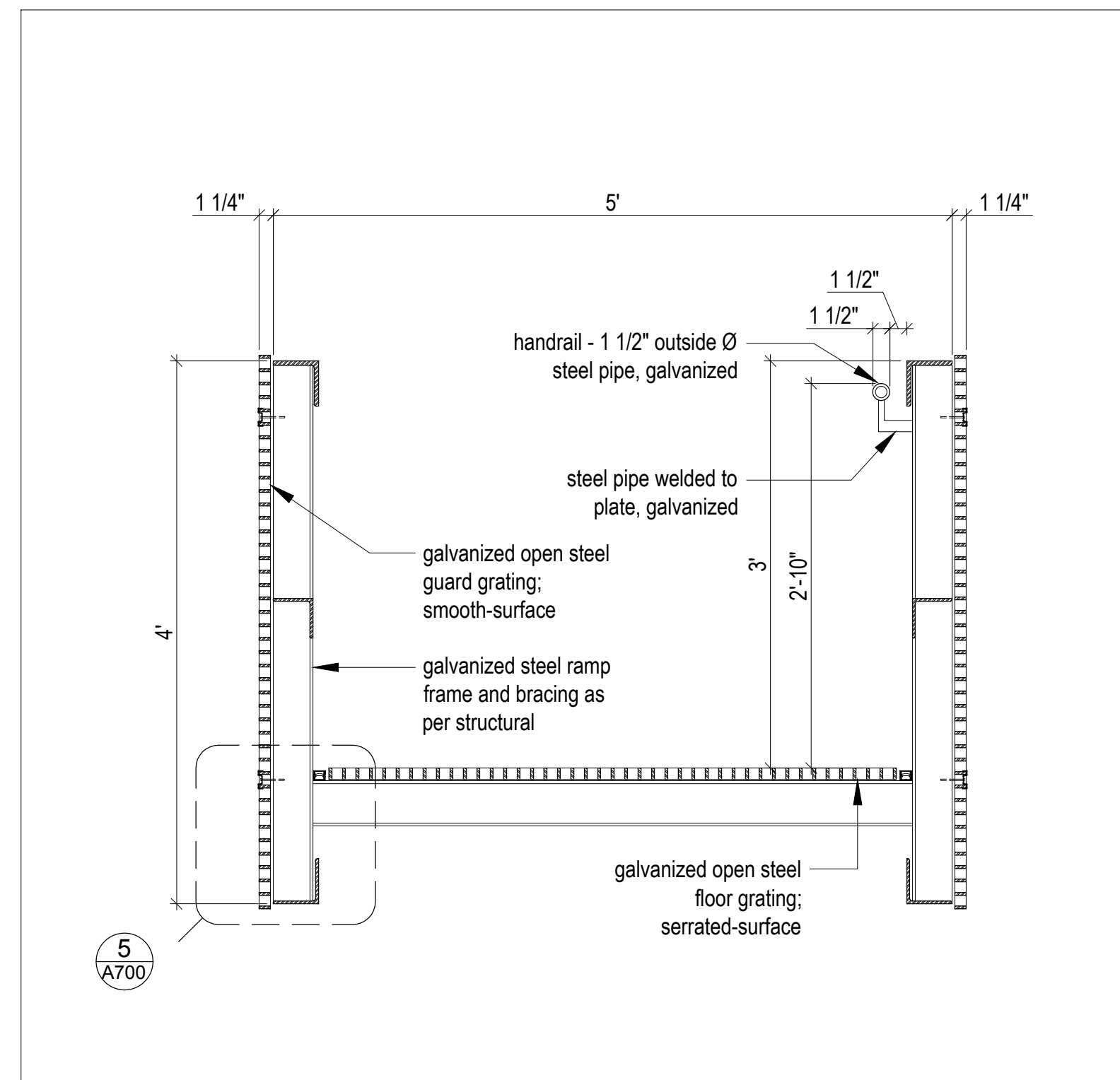


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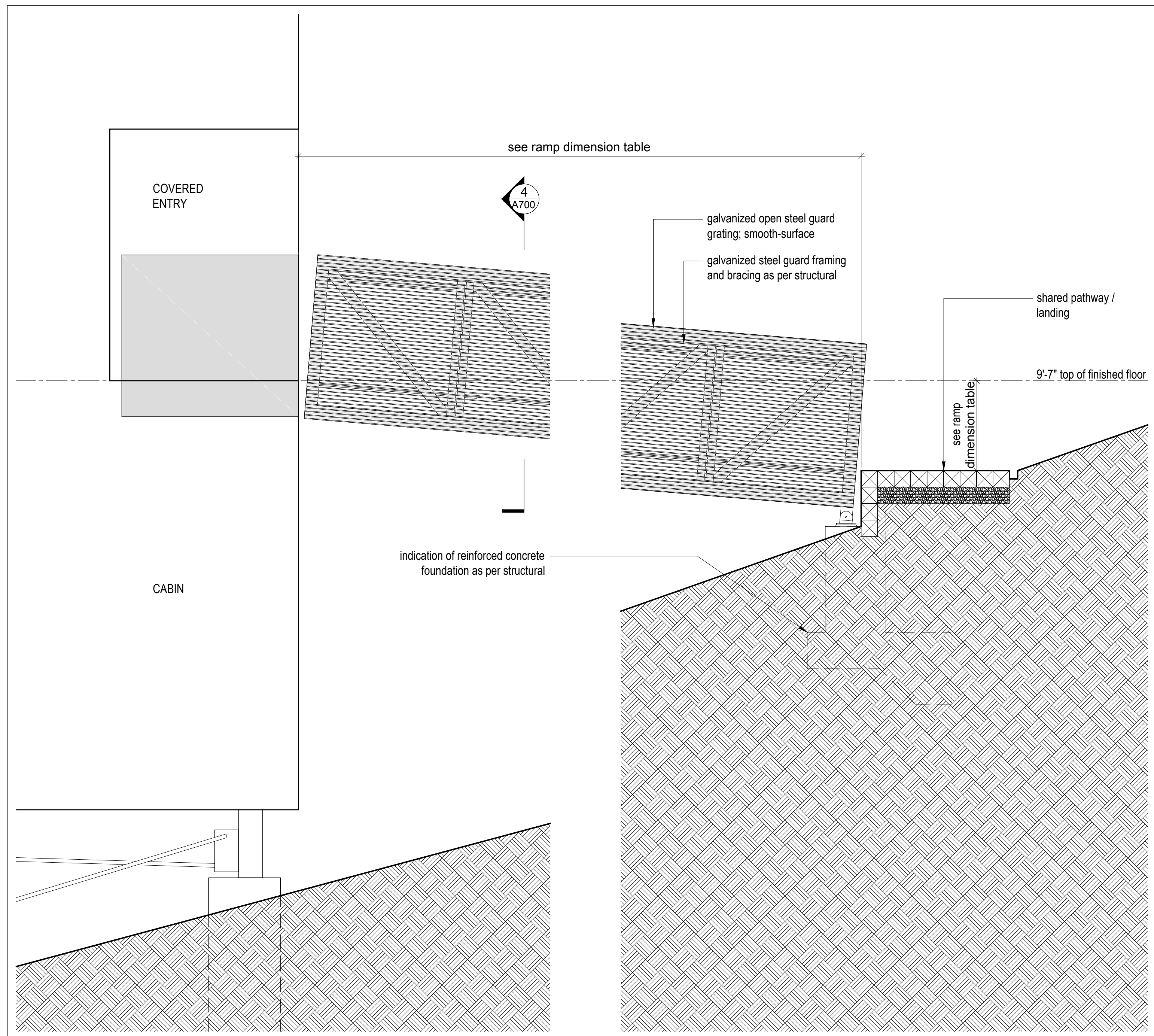
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Cabin 1000  
Stair  
scale: varies  
date: 16-04-20  
drawn: MJI/E  
chk'd: BML  
A610

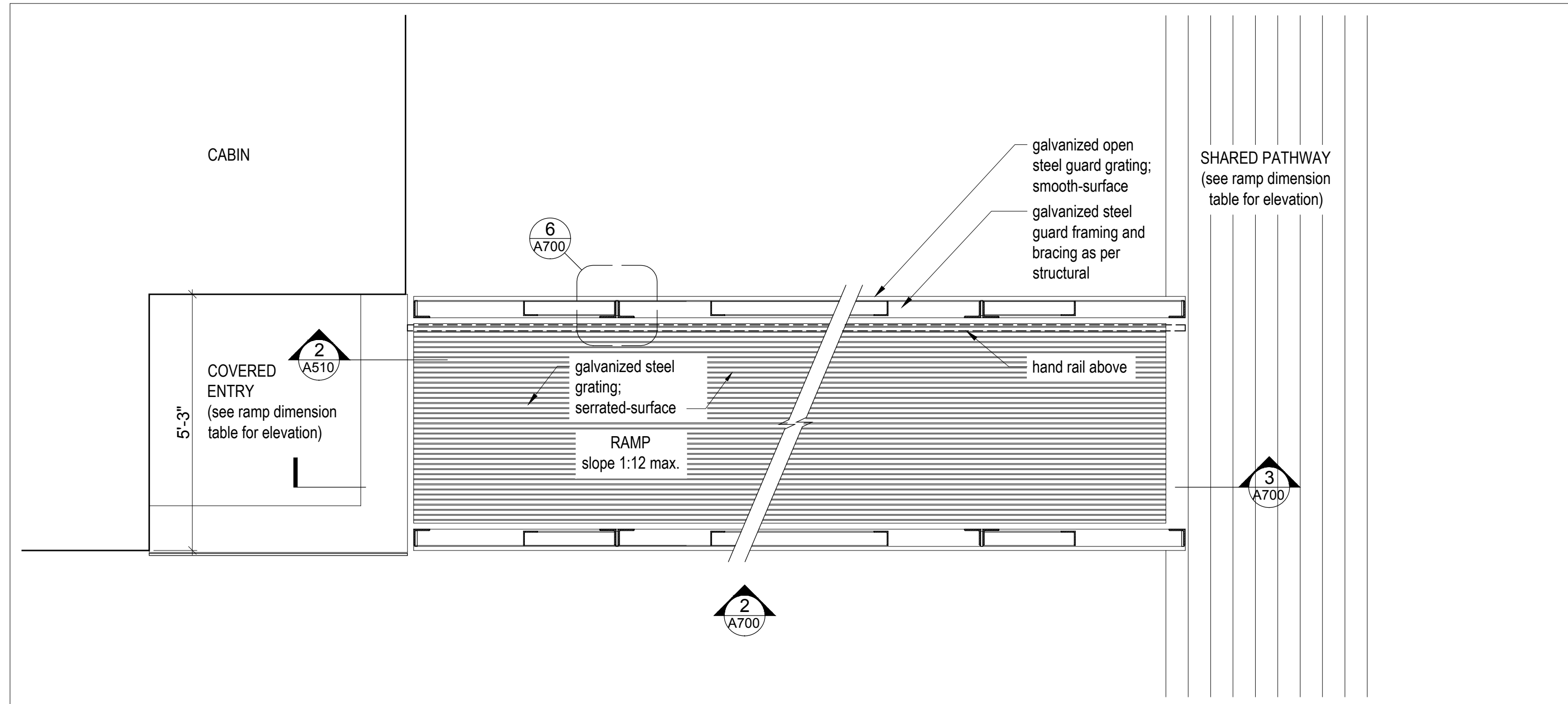
Ramp Dimension Table					
	Fin. Floor Elev.	Ramp Length	Landing Elev.	Vertical Rise	Slope (16% max)
Unit 11	8726'-0"	40'-0"	8723'-6"	2'-6"	6.25%
Unit 13	8801'-6"	40'-0"	8799'-6"	2'-0"	5%
Unit 16	8756'-0"	38'-0"	8753'-6"	2'-6"	6.6%
Unit 19	8728'-6"	stair required	8823'-6"	n/a	n/a
Unit 21	8737'-0"	40'-0"	8734'-6"	2'-6"	6.25%
Unit 26	8709'-0"	40'-0"	8706'-6"	2'-6"	6.25%
Unit 27	8727'-0"	48'-0"	8724'-6"	2'-6"	5.21%
Unit 29	8764'-6"	40'-0"	8764'-6"	0'-0"	0%



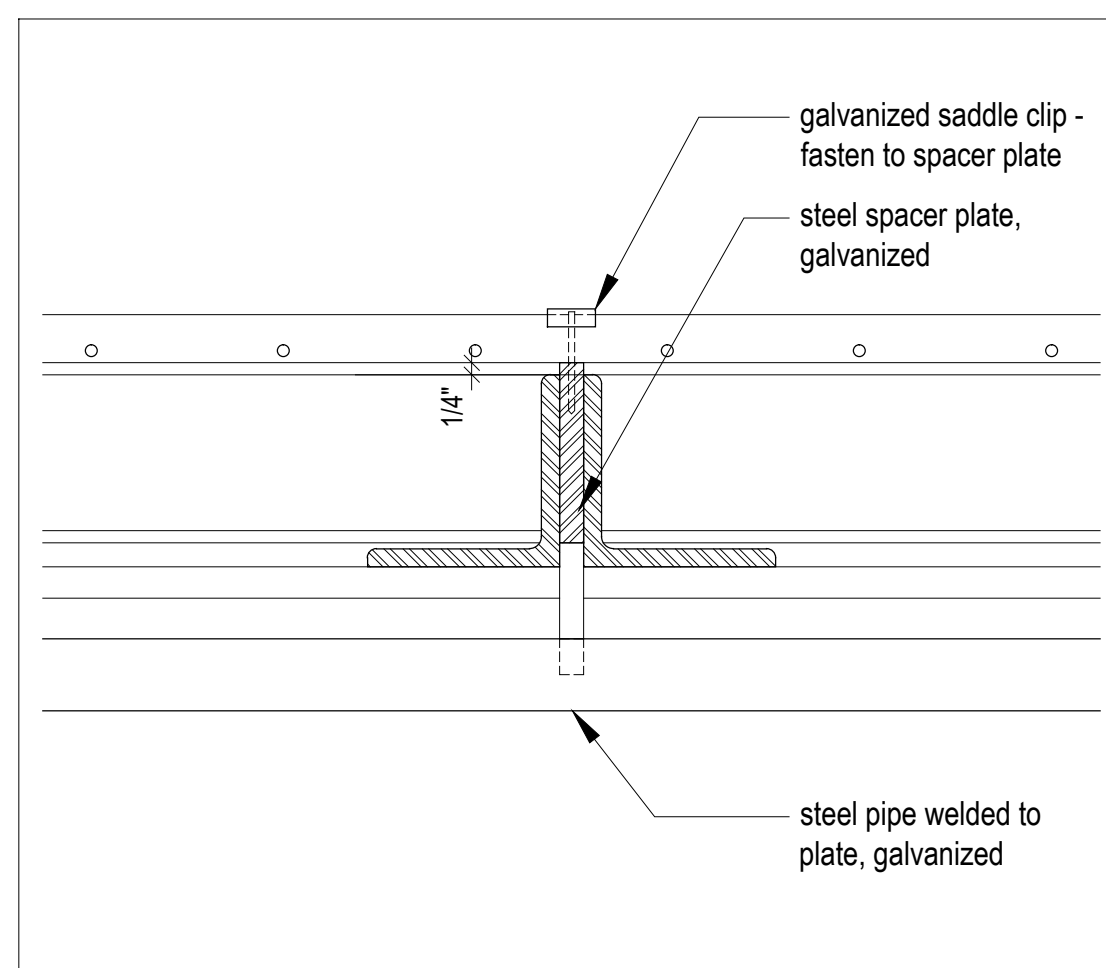
Section 3  
Scale 1" = 1'-0"



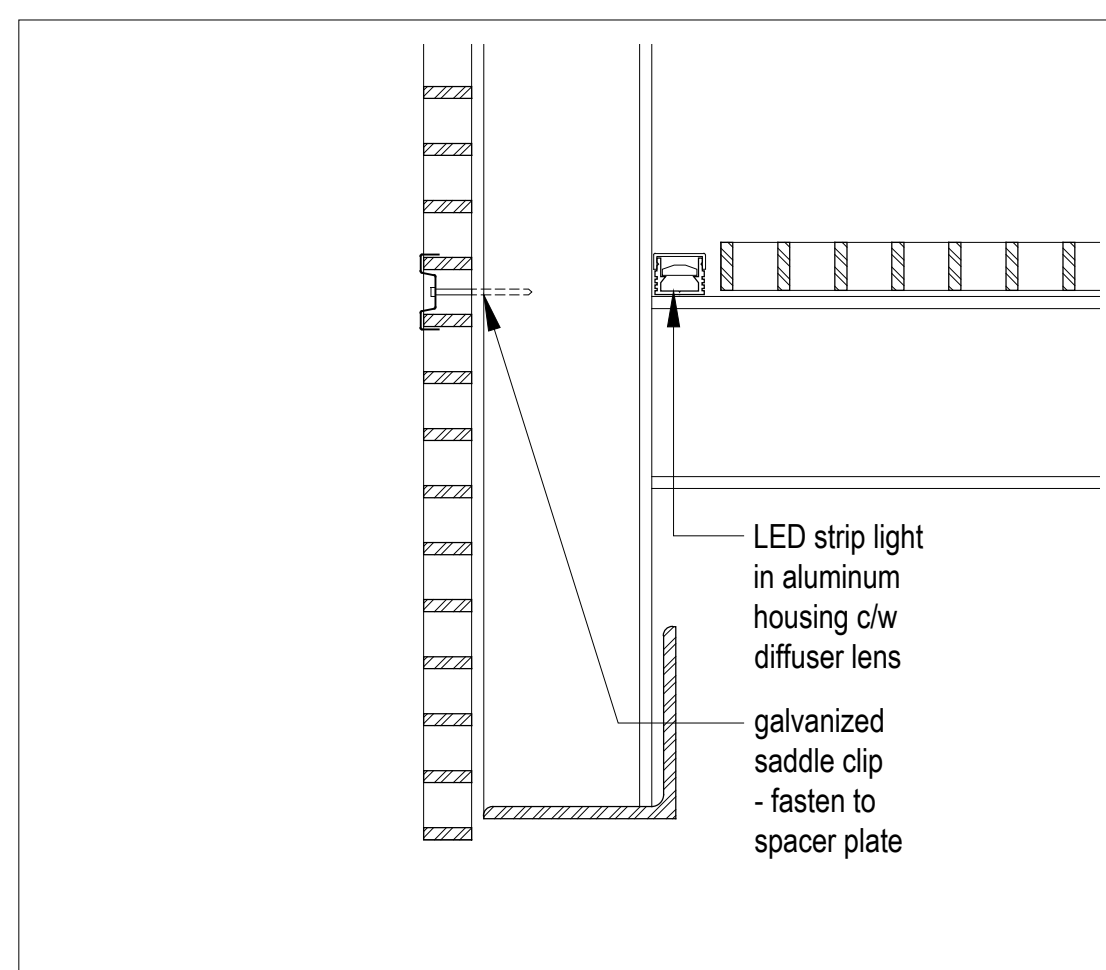
Partial Elevation @ Ramp  
Scale 1" = 1'-0"



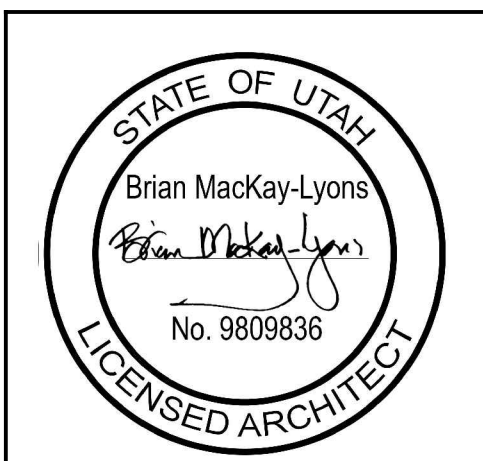
Partial Plan at Ramp  
Scale 1" = 1'-0"



Plan Detail  
Scale 1" = 1'-0"



Section Detail  
Scale 3" = 1'-0"



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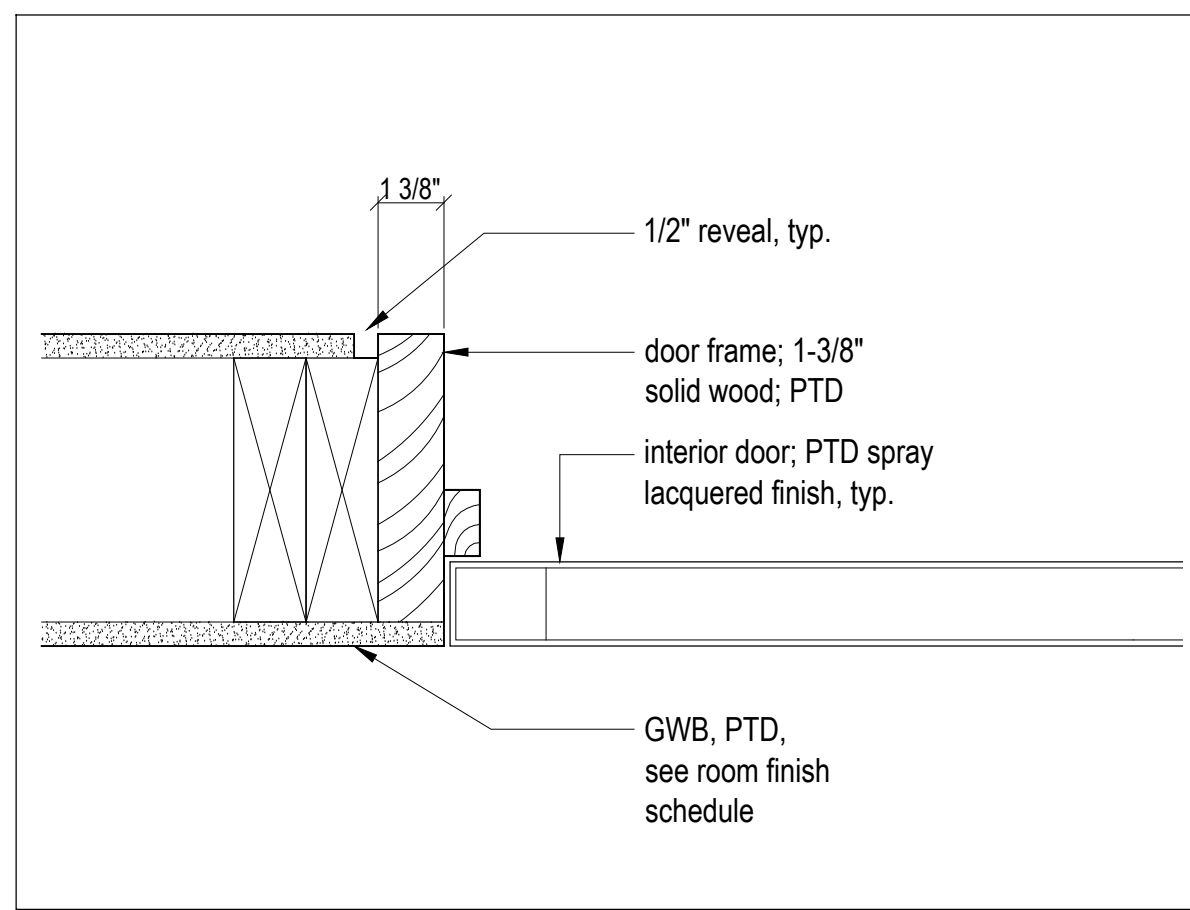
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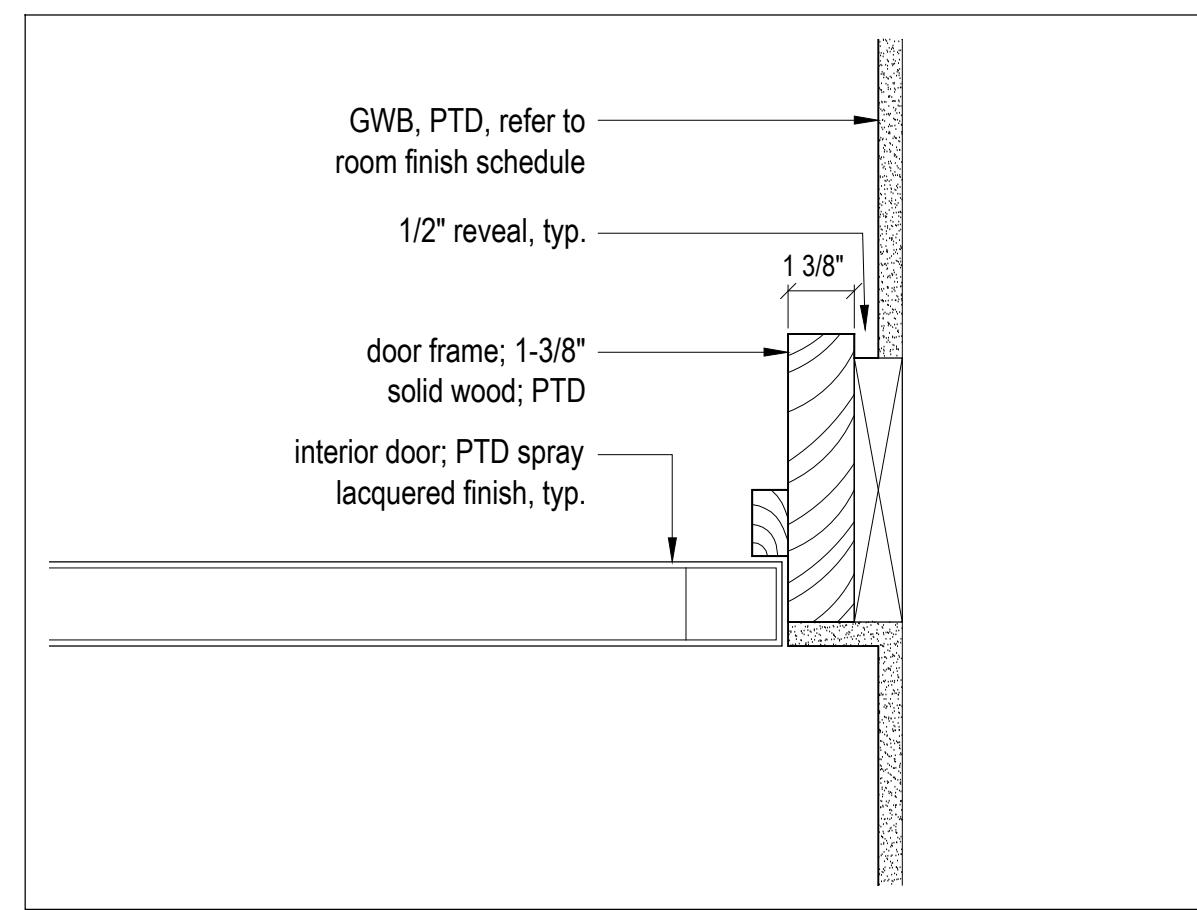
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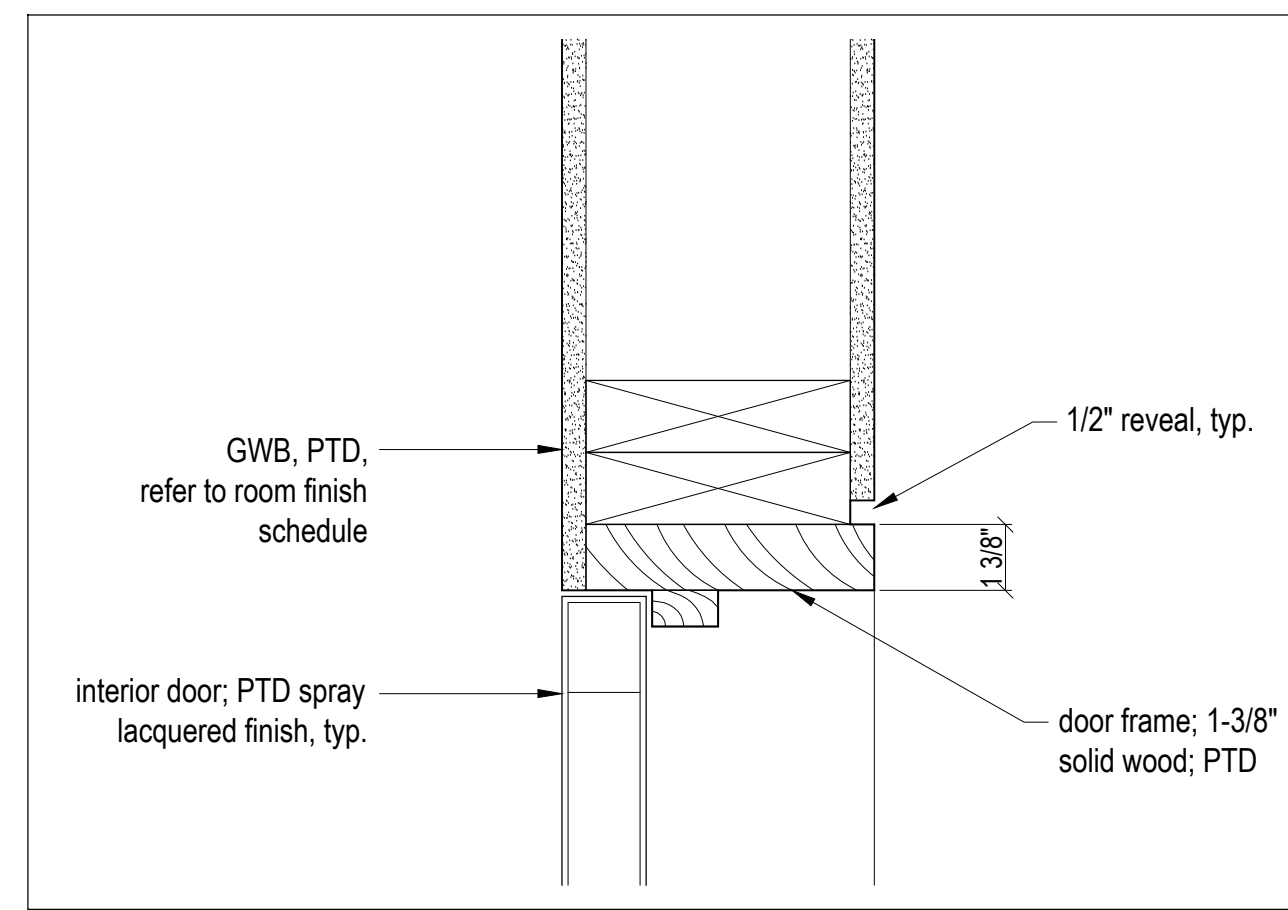
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3  
A900  
Typical Door Frame - Jamb Detail  
Scale 3" = 1'-0"



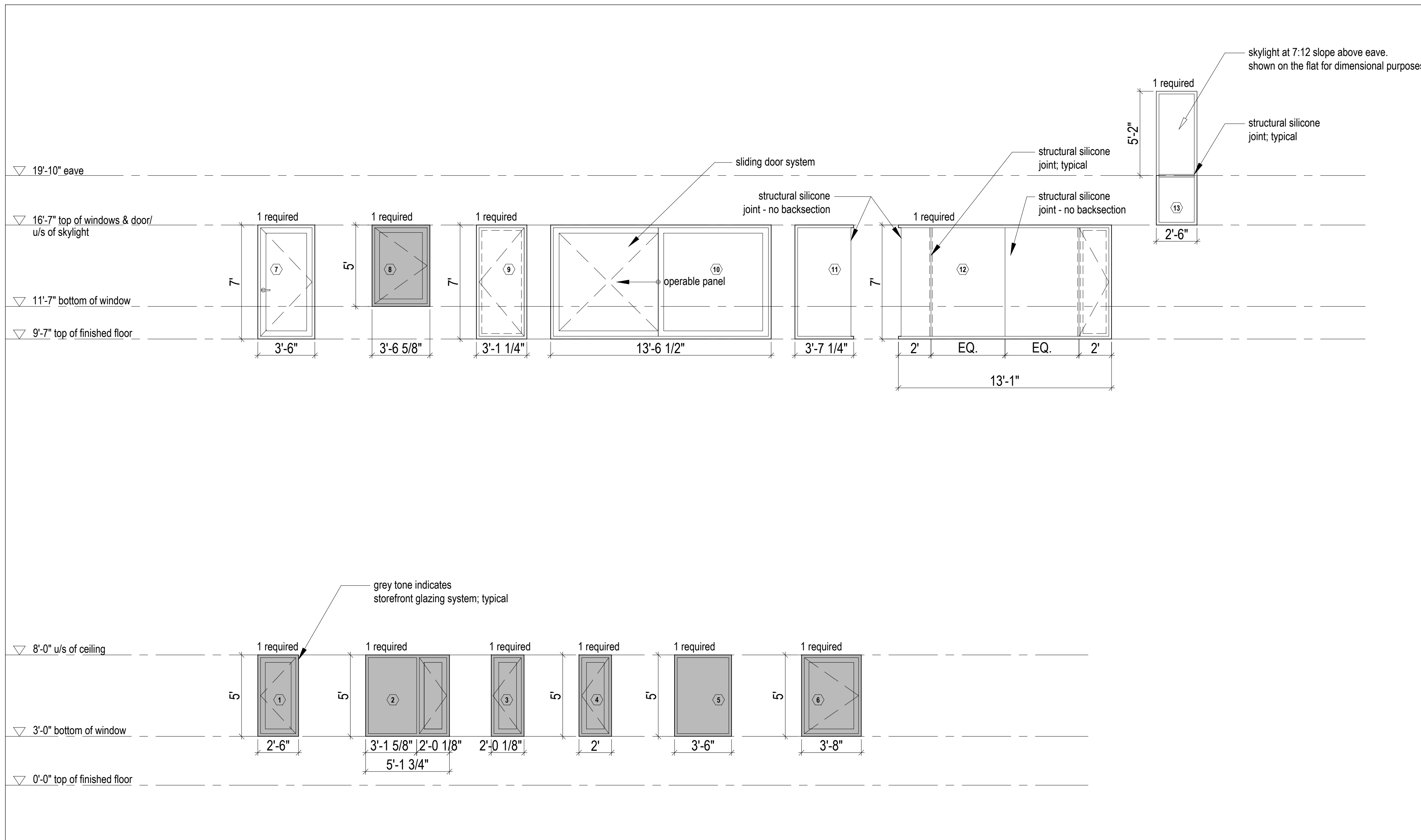
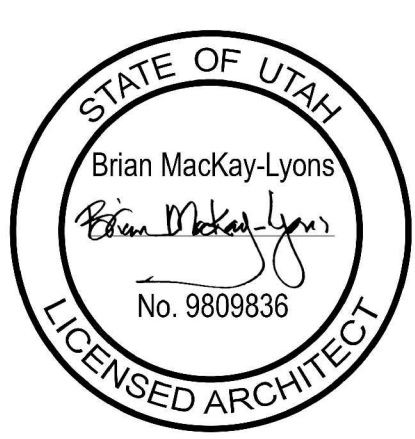
2  
A900  
Typical Door Frame - Jamb Detail  
Scale 3" = 1'-0"



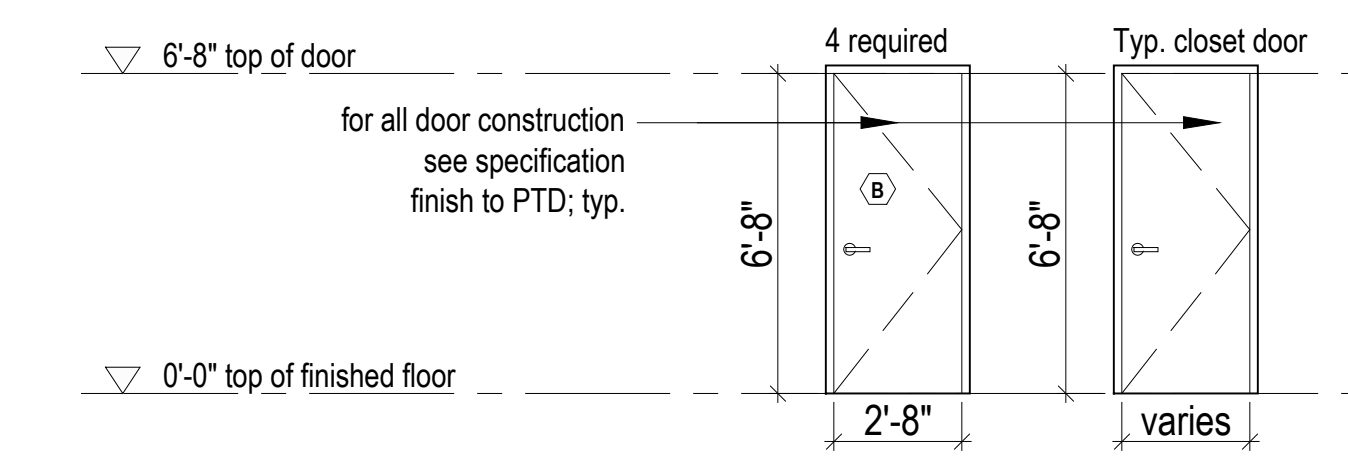
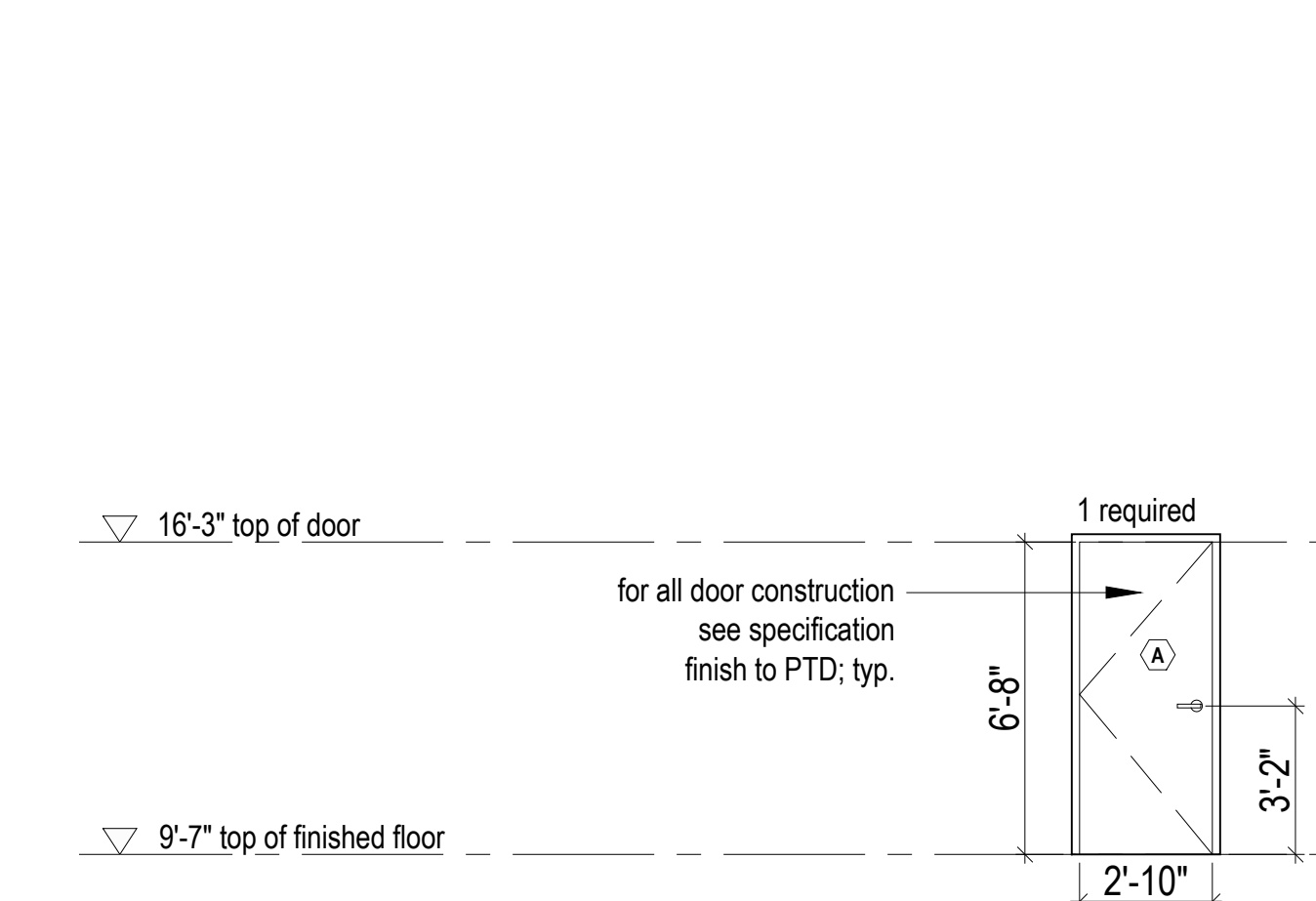
2  
A900  
Typical Door Frame - Head Detail  
Scale 3" = 1'-0"

NOTES:

1. Curtainwall window frames to be OLDCASTLE RELIANCE - SS series clear anodized aluminum.
2. Casement Operators in Curtainwall window frames to be OLDCASTLE ZERO SIGHTLINE SERIES 30P clear anodized aluminum finish. Outswing operation typical.
3. Storefront window frames to be OLDCASTLE SERIES 3000 THERMAL MULTIPLANE series clear anodized aluminum finish. Indicated with grey tone.
4. Casement Operators in storefront window frames to be OLDCASTLE S-3375. Outswing operation typical, inswing operation where indicated.
5. Entrance door to be OLDCASTLE AD-375 THERMAL ENTRANCE series clear anodized aluminum finish, outswing.
6. Sliding Doors to be OLDCASTLE TerraSlide 60E - OX Slider series clear anodized aluminum finish.
7. Skylight to be OLDCASTLE BMS-3000 SKYLIGHT series clear anodized aluminum finish.
8. All glazed entry doors and sliders to have keyed entry lever and deadbolt. Information to be provided as part of glazing shop drawings and reviewed by architect.
9. The sizes are rough openings. It is the contractor's responsibility to determine finished frames.
10. All operable windows to have screens. Review screen type with architect prior to installation.
11. All inswinging casement operators to be equipped with inswing operable screens.
12. All window head / sill / jamb flashing to be black anodized aluminum to match windows.
13. All window head / sill / jamb assembly details to be designed by window manufacturer and approved by the architect.
14. All operable windows to be outswing unless otherwise noted.
15. All joints of door cladding to align with joints of wall cladding when doors are in closed position.
16. All window dimensions in this drawing to be verified in field prior to fabrication.
17. Provide shop drawings for all windows and doors for review by architect prior to fabrication and installation.
18. All glazing 18" or less from the finished floor to be tempered, unless otherwise noted.
19. Refer to floor plans for door swing directions.



1  
A900  
Window and Door Schedule  
Scale 1/4" = 1'-0"



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Cabin 1000  
Window Door Schedule  
scale: noted  
date: 16-06-24  
drawn: MJ  
chk'd: BML  
A900



**SPECIAL INSPECTION SCHEDULE**

SOILS (IBC 1705.6)				
REQD	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
X	VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		◆	PRIOR TO PLACEMENT OF CONCRETE.
X	EXCAVATION EXTEND TO PROPER DEPTH AND MATERIALS		◆	PRIOR TO PLACEMENT OF COMPACTED FILL OR CONCRETE.
X	CLASSIFICATION AND TESTING OF FILL MATERIALS		◆	CHECK CLASSIFICATION AND GRADATIONS AT EACH LIFT, BUT NOT LESS THAN ONCE FOR EACH 10,000 FT <sup>2</sup> OF SURFACE AREA.
X	VERIFY PROPER FILL MATERIALS, LIFT THICKNESSES AND IN-PLACE DENSITIES	◆		
X	VERIFY PROPERLY PREPARED SITE AND SUBGRADE		◆	PRIOR TO PLACEMENT OF CONCRETE.

CONCRETE CONSTRUCTION (IBC 1705.3)				
REQD	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
X	REINFORCING STEEL PLACEMENT		◆	VERIFY SIZE, CLEARANCES, SPLICES AND PROPER TIES.
X	REINFORCING BAR WELDING a. WELDABILITY OF NON ASTM A706 BARS b. SINGLE PASS FILLED WELDS < 3/16" c. ALL OTHER WELDS	◆		
X	CAST IN ANCHORS		◆	VERIFY MIX DESIGN MEETS STRENGTH AND EXPOSURE REQUIREMENTS LISTED ON APPROVED PLANS.
X	POST-INSTALLED ANCHORS a. ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED RESISTING SUSTAINED TENSION LOADS b. POST INSTALLED ANCHORS NOT DEFINED IN a.	◆	◆	IN ACCORDANCE WITH APPROVED ICC-ES REPORT. PERIODIC INSPECTIONS ALLOWED IF STATED IN ES REPORT.
X	VERIFY REQUIRED DESIGN MIX		◆	VERIFY MIX DESIGN MEETS STRENGTH AND EXPOSURE REQUIREMENTS LISTED ON APPROVED PLANS.
X	SLUMP, AIR + TEMPERATURE TESTS. PREPARE STRENGTH TEST SAMPLES	◆		
X	CONCRETE PLACEMENT	◆		INCLUDES SAMPLING FOR AIR, SLUMP, STRENGTH AND TEMPERATURE TECHNIQUES.
X	CURING TEMPERATURE MAINTENANCE		◆	
	PRESTRESSED CONCRETE a. PRESTRESSING FORCES b. GROUTING OF BONDED TENDONS	◆	◆	
	ERECTION OF PRECAST MEMBERS		◆	
	POST-TENSIONED CONCRETE STRENGTH		◆	
X	INSPECT FORMWORK		◆	

COLD-FORMED STEEL CONSTRUCTION (IBC 1705.11.2 & 1705.12.3)				
REQD	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
	COMPONENTS OF WIND AND SEISMIC-FORCE RESISTING SYSTEMS		◆	VERIFY PROPER SCREW ATTACHMENT, BOLTING AND ANCHORING OF SHEAR WALLS, BRACES AND HOLDOWNS HAVING A FASTENER SPACING ≤ 4' O.C.
	FIELD WELDING OF ELEMENTS OF MAIN LATERAL FORCE RESISTING SYSTEM.		◆	

OTHER THAN STRUCTURAL STEEL (IBC 1705.2.2)				
REQD	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
	STEEL ROOF & FLOOR DECK:			
	MATERIAL VERIFICATION OF STEEL DECK		◆	IDENTIFICATION MARKINGS PER APPLICABLE ASTM STANDARD
	ROOF AND DECK WELDS		◆	VERIFY THAT WELDS CONFORM TO AWS D1.3.
	WELDING OF REINFORCING STEEL:			
	VERIFICATION OF WELDABILITY (EXCEPT A706 BAR)		◆	VERIFY MATERIAL IS ABLE TO CONFORM TO AWS D1.4.

INSTALLATION OF OPEN-WEB STEEL JOISTS AND GIRDERS (IBC 1705.2.3)				
REQD	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
	END CONNECTIONS		◆	SJI 2207.1
	BRIDGING - HORIZONTAL OR DIAGONAL a. STANDARD BRIDGING b. NON-STANDARD BRIDGING		◆	SJI 2207.1

**MASONRY CONSTRUCTION (IBC 1705.4)**

REQD	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
	MINIMUM TESTING (TABLE 1.19.2, TMS - 402/ACI 530-11):			
	VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) FOR SELF-CONSOLIDATING GROUT.		◆	COMPRESSIVE STRENGTH TESTS PER ASTM C 1019 FOR SLUMP FLOW AND ASTM C 1611 FOR VSI.
	VERIFICATION OF F <sub>u</sub>		◆	DETERMINE COMPRESSIVE STRENGTH PER "UNIT STRENGTH" OR "PRISM TEST" AS SPECIFIED IN ARTICLE 1.4.B OF ACI 530.1 PRIOR TO CONSTRUCTION.
	PRIOR TO CONSTRUCTION (ARTICLE 1.15, TMS-602/ACI 530.1-11):			
	REVIEW MATERIAL CERTIFICATES, MIX DESIGNS, TEST RESULTS AND CONSTRUCTION PROCEDURES		◆	VERIFY MATERIALS CONFORM TO APPROVED CONSTRUCTION DOCUMENTS. MIX DESIGN, TEST RESULTS, MATERIAL CERTIFICATES, AND CONSTRUCTION PROCEDURES SHOULD BE SUBMITTED FOR REVIEW. MORTAR MIX DESIGNS SHALL CONFORM TO ASTM C 270 WHILE GROUT SHALL CONFORM TO ASTM C 478. MATERIAL CERTIFICATES SHALL BE PROVIDED FOR THE FOLLOWING: REINFORCEMENT; ANCHORS, TIES, FASTENERS, AND METAL ACCESSORIES; MASONRY UNITS; MORTAR AND GROUT MATERIALS. REVIEW COLD-WEATHER OR HOT-WEATHER CONSTRUCTION PROCEDURES.
	AS CONSTRUCTION BEGINS (TABLE 1.19.2, TMS-402/ACI 530-11):			
	PROPORTIONS OF SITE-PREPARED MORTAR		◆	VERIFY THAT MORTAR IS TYPE AND COLOR SPECIFIED ON APPROVED PLANS, IT CONFORMS TO ASTM C 270, AND IS MIXED PER ARTICLE 2.6.A OF ACI 530.1.
	CONSTRUCTION OF MORTAR JOINTS		◆	VERIFY MORTAR JOINTS MEET ARTICLE 3.3.B OF ACI 530.1.1
	GRADE AND SIZE OF PRE-STRESSING TENDONS AND ANCHORAGES		◆	VERIFY THAT PRE-STRESSING TENDONS CONFORM TO REQUIREMENTS OF ARTICLE 2.4.B AND 2.4.H OF ACI 530.1
	LOCATION OF REINFORCEMENT, CONNECTORS AND ANCHORAGES.		◆	VERIFY REINFORCEMENT IS PLACED IN ACCORDANCE WITH ARTICLE 3.4 OF 530.1.
	PRE-STRESSING TECHNIQUE		◆	VERIFY PRE-STRESSING TECHNIQUE CONFORMS TO ARTICLE 3.6B OR ACI 530.1
	PROPERTIES OF THIN BED MORTAR FOR AAC MASONRY	◆	◆	VERIFY REINFORCEMENT IS PLACED IN ACCORDANCE WITH ARTICLE 3.4 OF 530.1.
	PRIOR TO GROUTING (TABLE 1.19.2, TMS-402/ACI 530-11):			
	GROUT SPACE		◆	VERIFY GROUT SPACE IS FREE OF MORTAR DROPPINGS, DEBRIS, LOOSE AGGREGATE, AND OTHER DELETERIOUS MATERIALS AND THAT CLEANOUTS ARE PROVIDED PER ARTICLE 3.2D AND 3.2F OF ACI 530.1
	GRADE, TYPE AND SIZE OF REINFORCEMENT, ANCHOR BOLTS AND ANCHORAGES.		◆	VERIFY REINFORCEMENT, JOINT REINFORCEMENT, ANCHOR BOLTS AND VENEER ANCHORS COMPLY WITH APPROVED PLANS AND SECTIONS 1.6 OF ACI 530.
	PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHORAGES.		◆	VERIFY REINFORCEMENT, JOINT REINFORCEMENT, ANCHOR BOLTS AND VENEER ANCHORS ARE INSTALLED PER APPROVED PLANS AND ARTICLES 3.2.E, 3.4, AND 3.6.A OF ACI 530.1.
	PROPORTIONS OF SITE-PREPARED GROUT.		◆	VERIFY GROUT PROPORTIONS MEET ASTM C 476 AND A SLUMP BETWEEN 8-11 INCHES. SELF-CONSOLIDATED GROUT SHALL NOT BE PROPORTIONED ONSITE.
	CONSTRUCTION OF MORTAR JOINTS		◆	VERIFY MORTAR JOINTS PLACED IN ACCORDANCE WITH ARTICLE 3.3.B OF ACI 530.1.
	DURING CONSTRUCTION (TABLE 1.19.2, TMS-402/ACI 530-11):			
	SIZE AND LOCATION OF STRUCTURAL ELEMENTS		◆	VERIFY LOCATIONS OF STRUCTURAL ELEMENTS PER APPROVED PLANS AND CONFIRM TOLERANCES MEET ARTICLE 3.3.F OF ACI 530.1.
	TYPE, SIZE AND LOCATION OF ANCHORS, FRAMES, ETC.		◆	VERIFY CORRECT ANCHORAGES AND CONNECTIONS ARE PROVIDED PER APPROVED PLANS AND SECTIONS 1.16.4.3 AND 1.17.1 OF ACI 530.
	WELDING OF REINFORCEMENT		◆	VERIFY CONFORMANCE WITH SECTIONS 2.1.7.7.2, 3.3.3.4 (c) AND 8.3.3.4 (b) OF ACI 530
	APPLICATION AND MEASUREMENT OF PRE-STRESSING FORCE		◆	VERIFY CONFORMANCE WITH ARTICLE 3.6B OF ACI 530.1
	PLACEMENT OF GROUT		◆	
	PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (<40°F) OR HOT WEATHER (>90°F).		◆	VERIFY COLD-WEATHER CONSTRUCTION COMPLIES WITH ARTICLE 1.8.C OF ACI 530.1 AND HOT WEATHER CONSTRUCTION PER ARTICLE 1.8.D OF ACI 530.1.
	PLACEMENT OF GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS		◆	VERIFY COMPLIANCE WITH ARTICLE 3.5, 3.6C OF ACI 530.1
	OBSERVATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND / OR PRISMS.		◆	CONFIRM SPECIMENS/ PRISMS ARE PERFORMED AS REQUIRED BY ARTICLE 1.4 OF ACI 530.1.

**WOOD CONSTRUCTION (IBC 1705.11.2)**

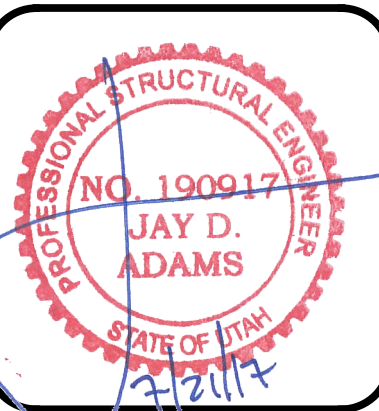
REQD	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
X	COMPONENTS OF WIND AND SEISMIC-FORCE RESISTING SYSTEMS		◆	VERIFY PROPER SCREW ATTACHMENT, BOLTING AND ANCHORING OF SHEAR WALLS, BRACES AND HOLDOWNS HAVING A FASTENER SPACING ≤ 4' O.C.
	FIELD GLUING OF MAIN LATERAL FORCE RESISTING SYSTEM		◆	

**STATEMENT OF SPECIAL INSPECTIONS**

- THE PROJECT OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED BELOW. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL. FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION, THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS REQUIRED BY THE BUILDING DEPARTMENT OF THE LOCAL JURISDICTION.
- SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
- SPECIAL INSPECTIONS FOR EACH TASK SHALL BE CARRIED OUT IN COMPLIANCE WITH REQUIREMENTS PER THE CURRENT IBC AND OTHER MATERIAL STANDARDS.  
FABRICATION SHOP REQUIREMENTS
- WHERE FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS REQUIRED BELOW SHALL BE PROVIDED IN THE SHOP DURING THE FABRICATION PROCESS. THIS REQUIREMENT MAY BE EXCEPTED IF THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. A CERTIFICATE SHALL BE REQUIRED TO VERIFY SUCH APPROVAL. AT COMPLETION OF THE FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS.

**DYNAMIC STRUCTURES**  
1887 NORTH 1120 WEST PROVO, UTAH 84604  
PH: (801) 356-1140 FAX: (801) 356-0001

Structural Plans for:  
**POWDER MOUNTAIN CABIN 1000**



DESIGNED BY: J.D.A.  
CHECKED BY: J.D.A.  
SCALE:  
DATE: JULY 21, 2017  
JOB No. 17-088

SPECIAL INSPECTIONS  
SHEET No. **SO.2**

PERMIT SET

**STRUCTURAL STEEL CONSTRUCTION (IBC 1705.2, 1705.11, 1705.12)**

REQD	TASK	INSPECTION TYPE		COMMENTS:
		Q.C.	Q.A.	
<b>PRIOR TO WELDING (TABLE N5.4-1, AISC 360-10):</b>				
X	VERIFY WELDING PROCEDURES	P	P	
X	MANUFACTURER CERTIFICATIONS	P	P	
X	MATERIAL IDENTIFICATION	O	O	VERIFY TYPE AND GRADE OF MATERIAL.
X	WELDER IDENTIFICATION	O	O	VERIFY THERE IS A SYSTEM IN PLACE TO IDENTIFY THE WELDER WHO HAS WELDED A JOINT OR MEMBER.
	FIT-UP GROOVE WELDS	O	O	VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACKING AND BACKING.
	ACCESS HOLES	O	O	VERIFY CONFIGURATION AND FINISH.
	FIT-UP FILLET WELDS	O	O	VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES, TACK WELD QUALITY AND LOCATION.
X	CHECK WELDING EQUIPMENT	O	O	
<b>DURING WELDING (TABLE N5.4-2, AISC 360-10):</b>				
X	USE OF QUALIFIED WELDERS	O	O	VERIFY THAT WELDERS ARE APPROPRIATELY QUALIFIED.
X	CONTROL AND HANDLING OF WELDING CONSUMABLES	O	O	VERIFY PACKAGING AND EXPOSURE CONTROL.
X	CRACKED TACK WELDS	O	O	VERIFY WELDING IS NOT OVER A CRACKED TACK WELD.
X	ENVIRONMENTAL CONDITIONS	O	O	VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE.
X	WPS FOLLOWED	O	O	VERIFY ITEMS SUCH AS WELDING EQUIPMENT SETTINGS, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION.
X	WELDING TECHNIQUES	O	O	VERIFY INTERPASS AND FINAL CLEANING, EACH PASS IS WITHIN PROFILE LIMITATIONS, AND QUALITY OF EACH PASS.
<b>AFTER WELDING (TABLE N5.4-3, AISC 360-10):</b>				
X	WELDS CLEANED	O	O	VERIFY THAT WELDS HAVE BEEN PROPERLY CLEANED.
X	SIZE, LENGTH AND LOCATION OF WELDS	P	P	
X	WELDS MEET VISUAL ACCEPTANCE CRITERIA	P	P	
	ARC STRIKES	P	P	
<b>PRIOR TO BOLTING (TABLE N5.6-1 AISC 360-10):</b>				
X	MANUFACTURERS CERTIFICATIONS FOR FASTENERS	O	P	
X	FASTENERS MARKED w/ ASTM REQUIREMENTS	O	O	
X	PROPER FASTENERS SELECTED FOR DETAIL	O	O	
X	PROPER PROCEDURE FOR DETAIL	O	O	
X	CONNECTING ELEMENTS	O	O	
X	PRE-INSTALLATION VERIFICATION TESTING	P	O	
X	PROPER STORAGE OF FASTENERS	O	O	
<b>DURING BOLTING (TABLE N5.6-2 AISC 360-10):</b>				
X	FASTENER ASSEMBLIES	O	O	
X	JOINTS SNUG TIGHT PRIOR TO PRETENSIONING	O	O	
X	PROPER WRENCH USAGE	O	O	
X	FASTENERS PRETENSIONED	O	O	
<b>AFTER BOLTING (TABLE N5.6-3, AISC 360-10):</b>				
X	STRUCTURAL STEEL DETAILS	P	P	

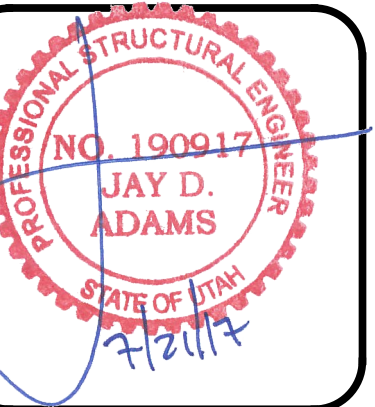
O- OBSERVE THESE ITEMS ON A RANDOM BASIS.

P- PERFORM THESE TASKS FOR EACH WELDED / BOLTED JOINT OR MEMBER (AISC 360-10 N5.4)



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SPECIAL  
INSPECTIONS

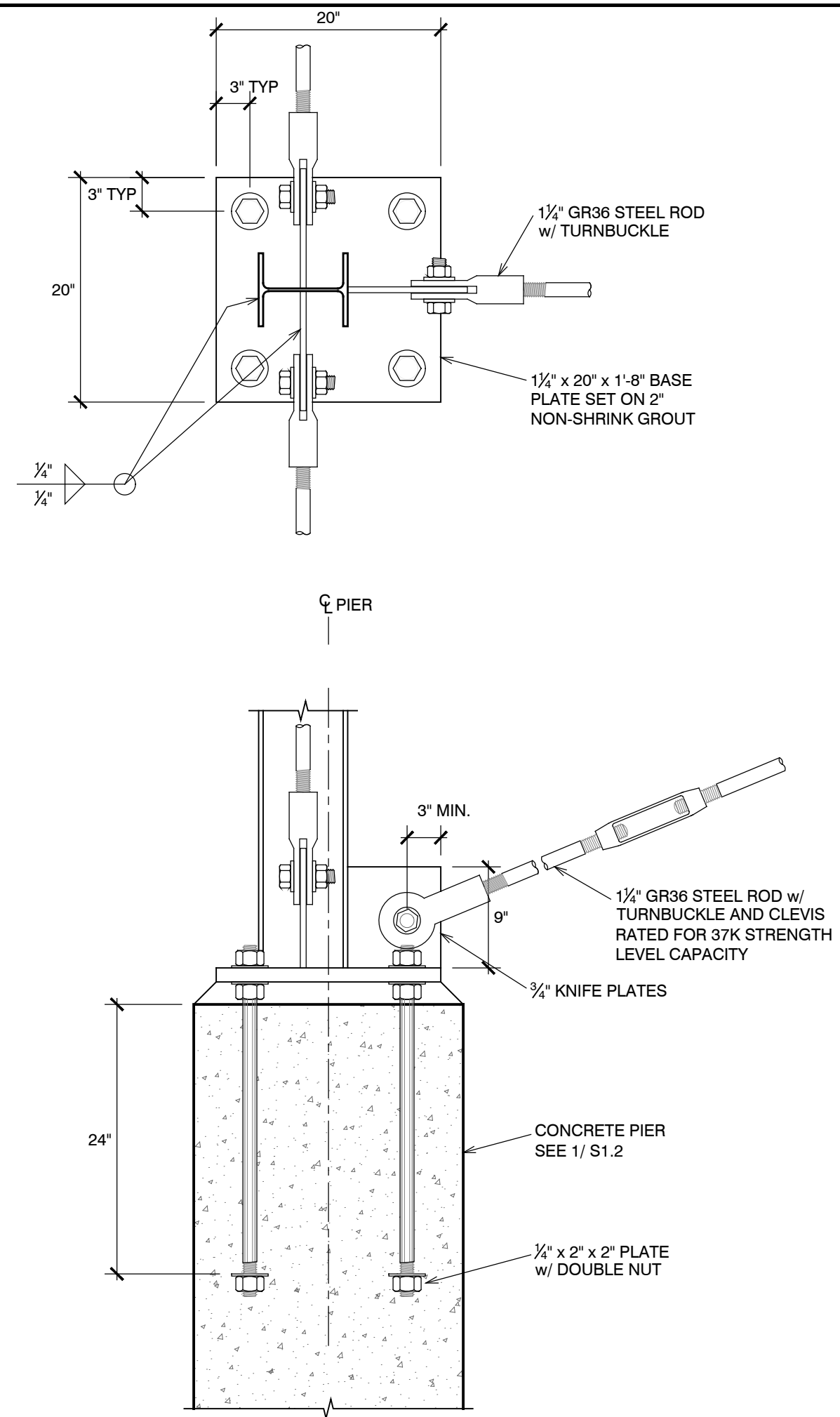
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**S0.3**

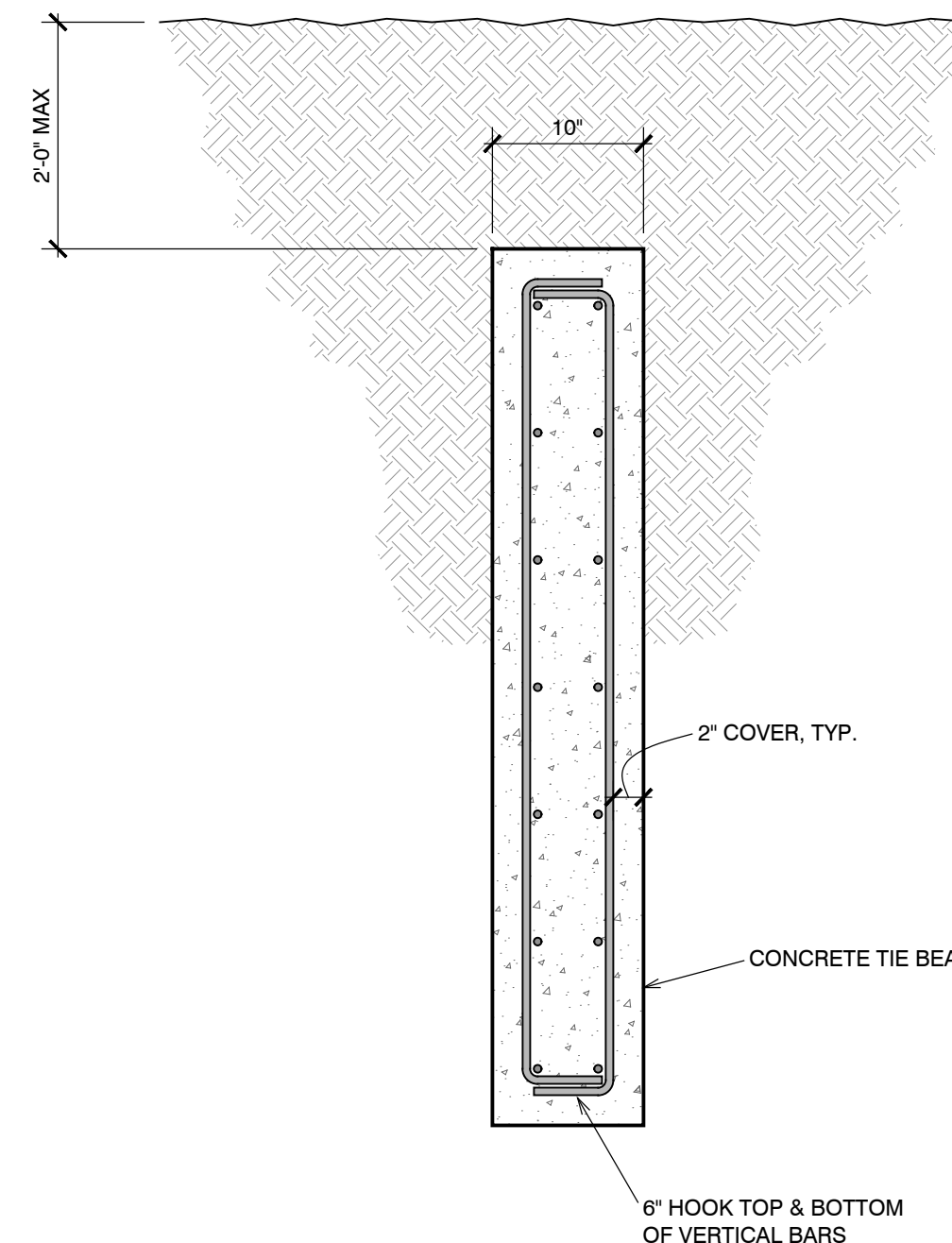
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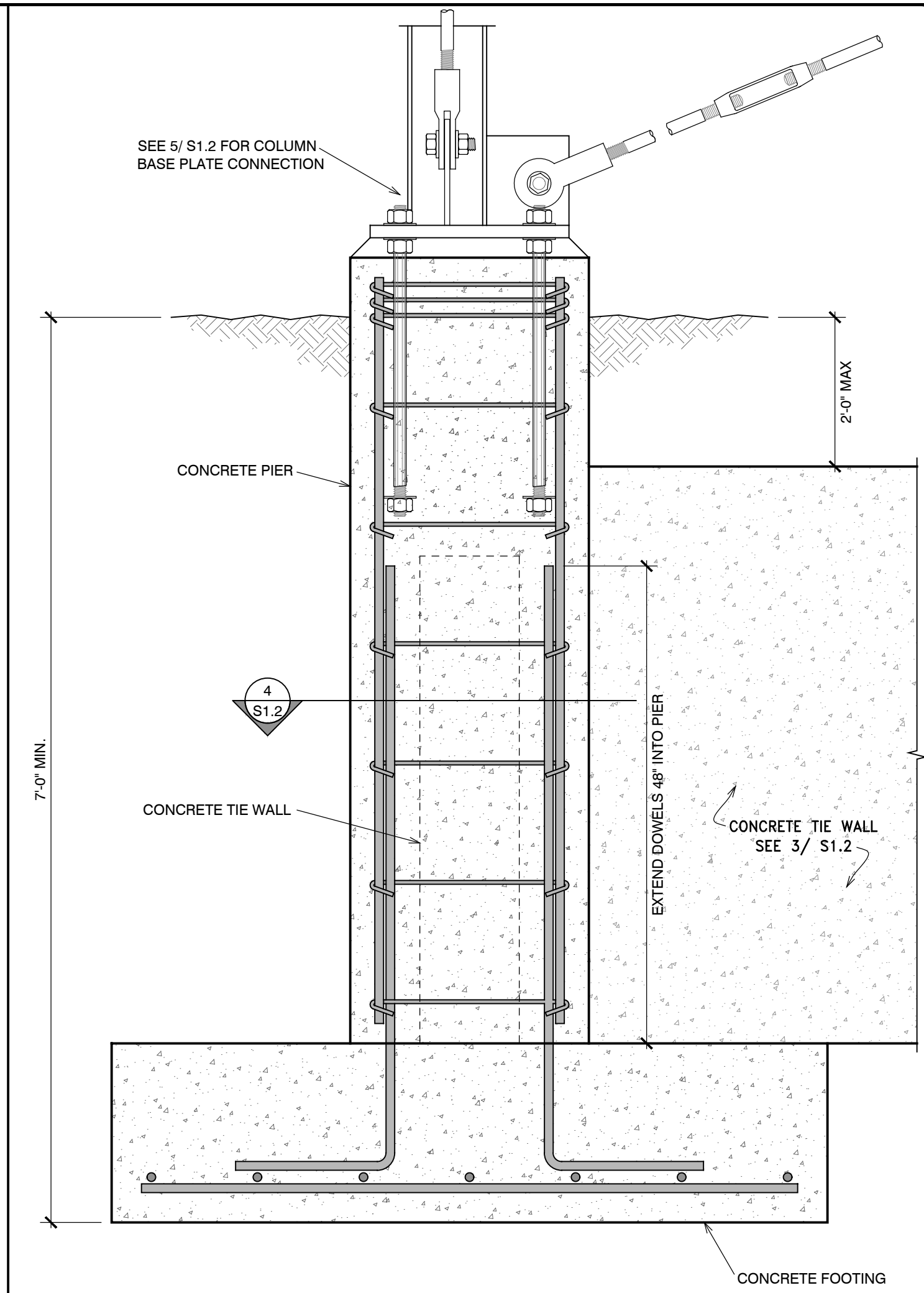




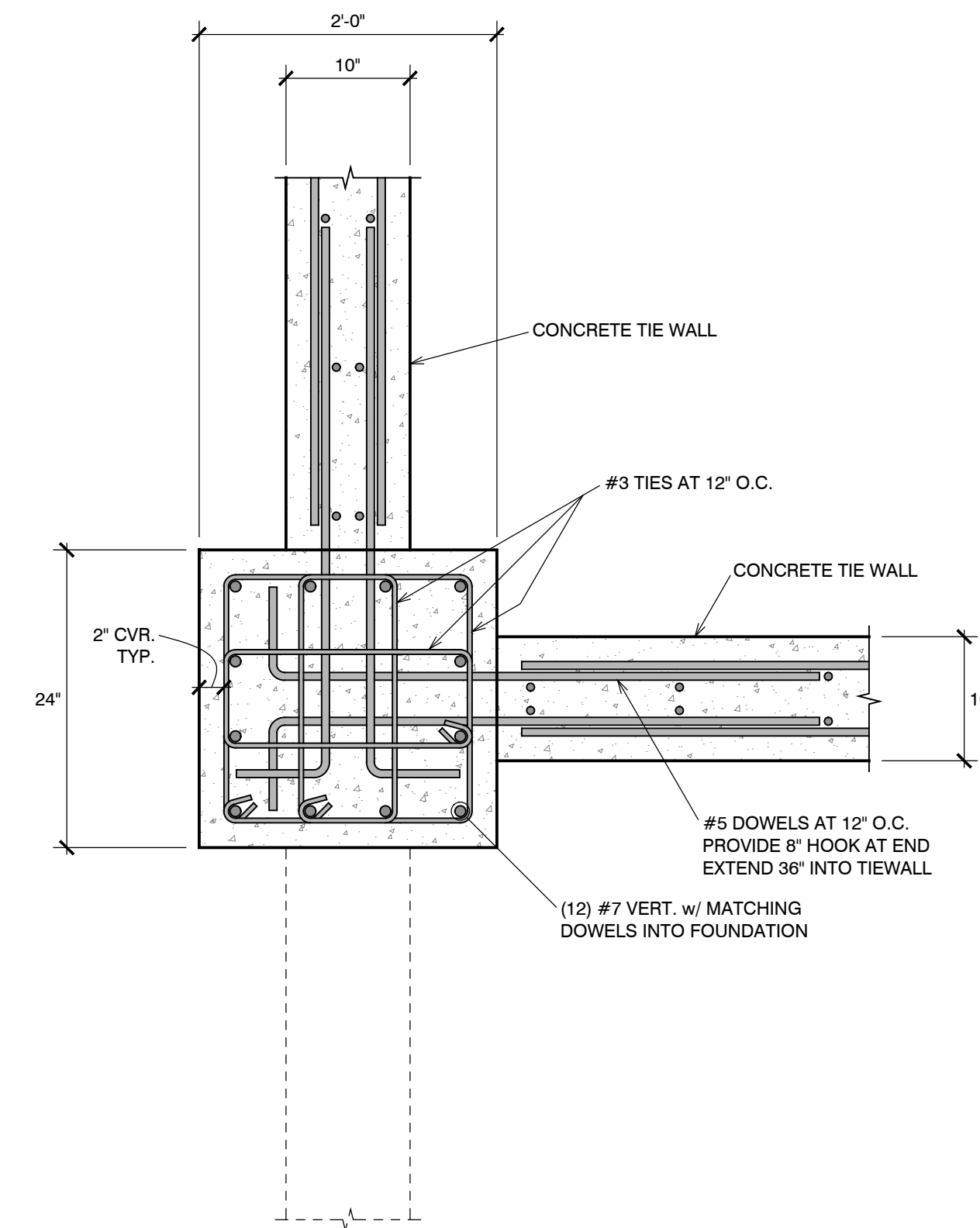
5 CONSTRUCTION DETAIL  
S1.2 NO SCALE



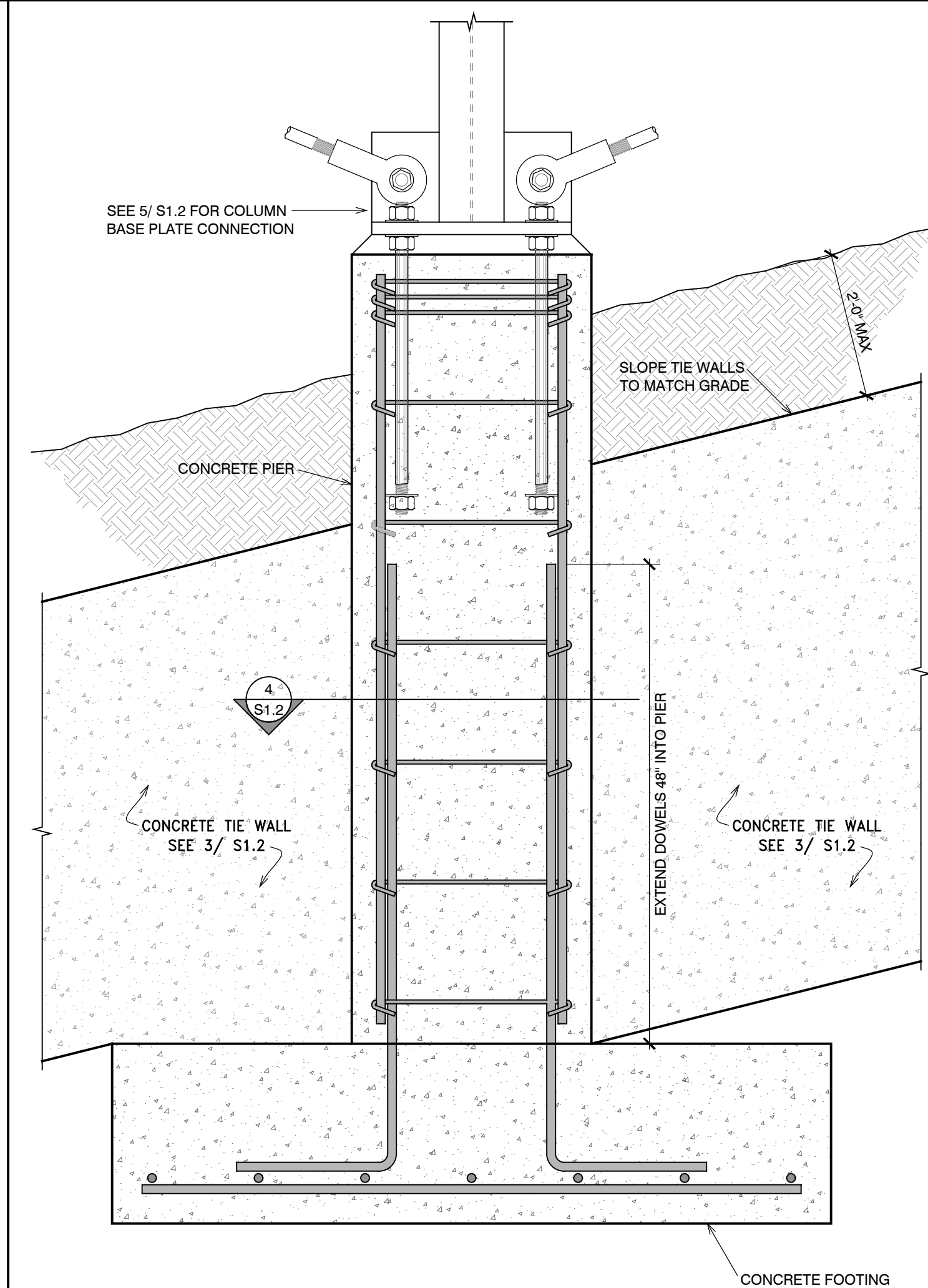
6 CONSTRUCTION DETAIL  
S1.2 NO SCALE



7 CONSTRUCTION DETAIL  
S1.2 NO SCALE

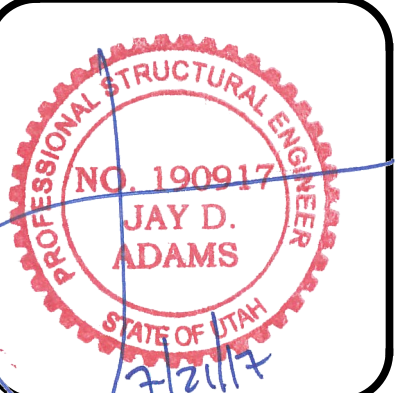


4 CONSTRUCTION DETAIL  
S1.2 NO SCALE



2 CONSTRUCTION DETAIL  
S1.2 NO SCALE

Structural Plans for:  
**POWDER MOUNTAIN CABIN 1000**

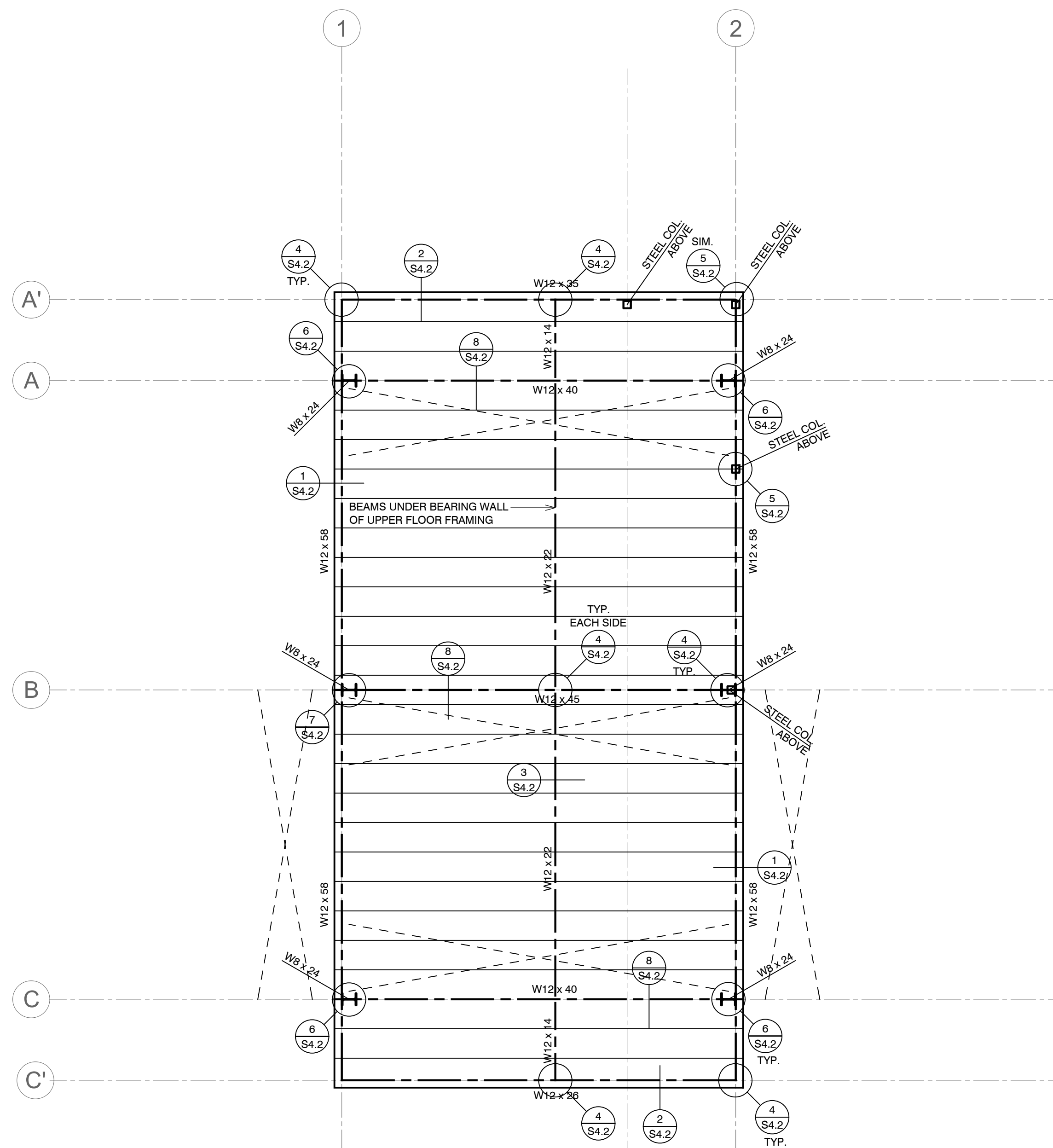


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CONSTRUCTION DETAILS

SHEET No.  
**S1.2**

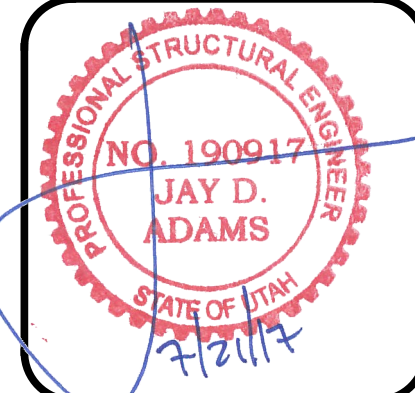
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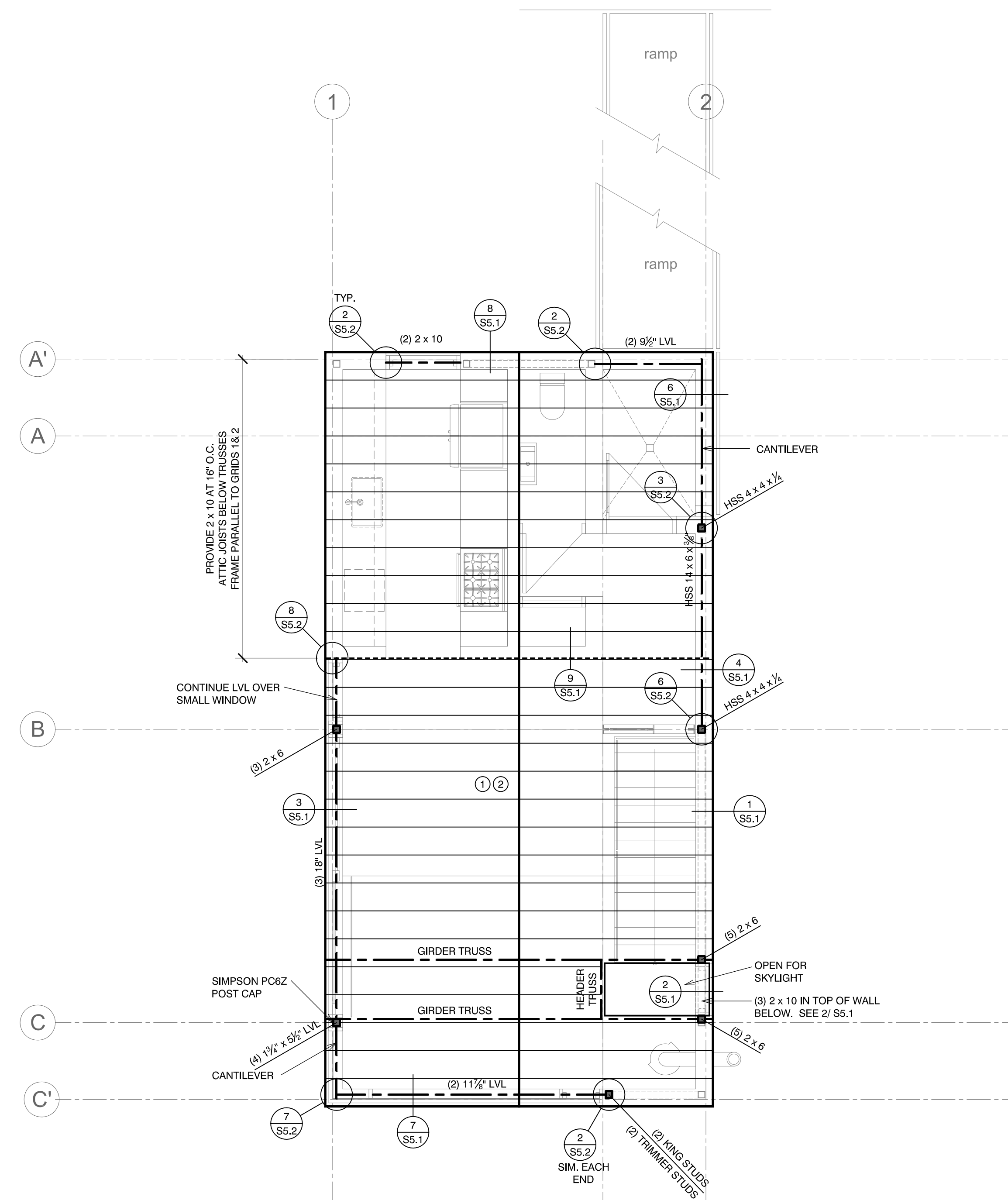
**MAIN FLOOR FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

**FLOOR FRAMING NOTES**

- ① FRAME FLOOR w/ 9/16" TJI/210 AT 16" O.C.  
PROVIDE 3" CONCRETE TOPPING ON FLOOR WHERE INDICATED IN ARCH. PLANS
- ② SEE FRAMING NOTES ON S0.1 FOR FLOOR SHEATHING SPECIFICATIONS
- ③ REPRESENTS 1/2" ROD CROSS BRACING BETWEEN FOUNDATION AND MAIN LEVEL FRAMING



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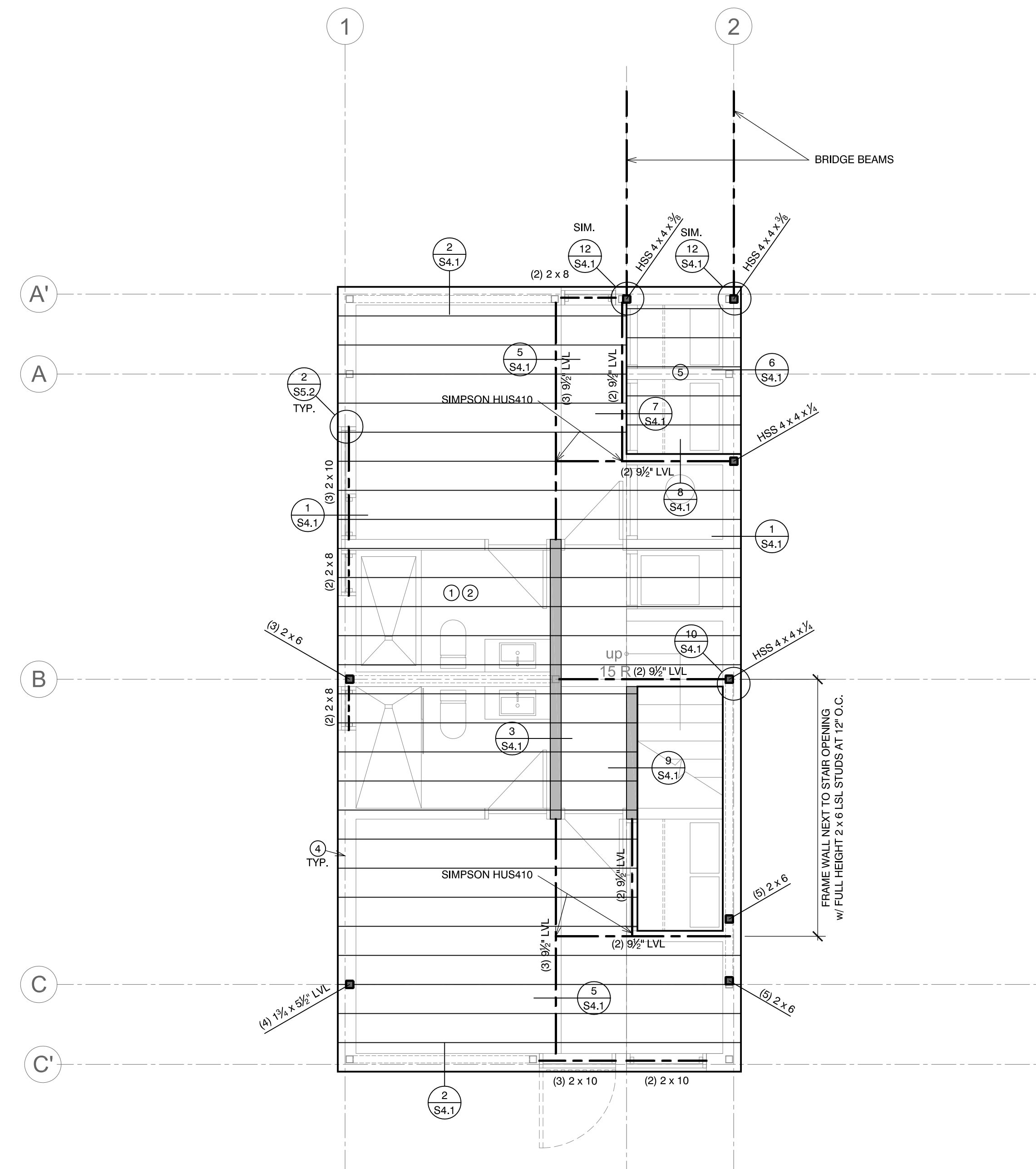


**ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

DEAD LOAD = 15 PSF  
SNOW LOAD = 192 PSF

**ROOF FRAMING NOTES**

- ① FRAME ROOF w/ PRE-ENGINEERED ROOF TRUSSES AT 16" O.C.
- ② SEE FRAMING NOTES ON S0.1 FOR ROOF SHEATHING SPECIFICATIONS
- ③ FRAME EXTERIOR WALLS w/ 2 x 6 AT 16" O.C.



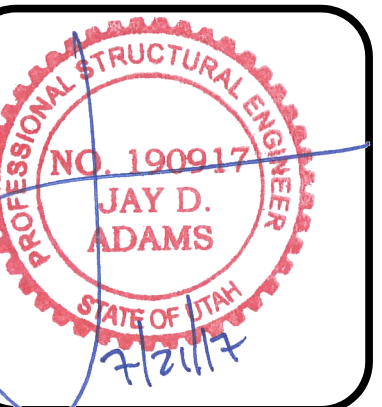
**UPPER FLOOR FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

DEAD LOAD = 50 PSF  
LIVE LOAD = 40 PSF

**FLOOR FRAMING NOTES**

- ① FRAME FLOOR w/ 9/16" TJI/210 AT 16" O.C. PROVIDE 3" CONCRETE TOPPING ON FLOOR WHERE INDICATED IN ARCH. PLANS
- ② SEE FRAMING NOTES ON S0.1 FOR FLOOR SHEATHING SPECIFICATIONS
- ③ [Symbol] INDICATES INTERIOR BEARING WALL
- ④ FRAME EXTERIOR WALLS AND BEARING WALLS w/ 2 x 6 AT 16" O.C.
- ⑤ FRAME ENTRY FLOOR w/ 2 x 8 AT 16" O.C.

Structural Plans for:  
**POWDER MOUNTAIN CABIN 1000**



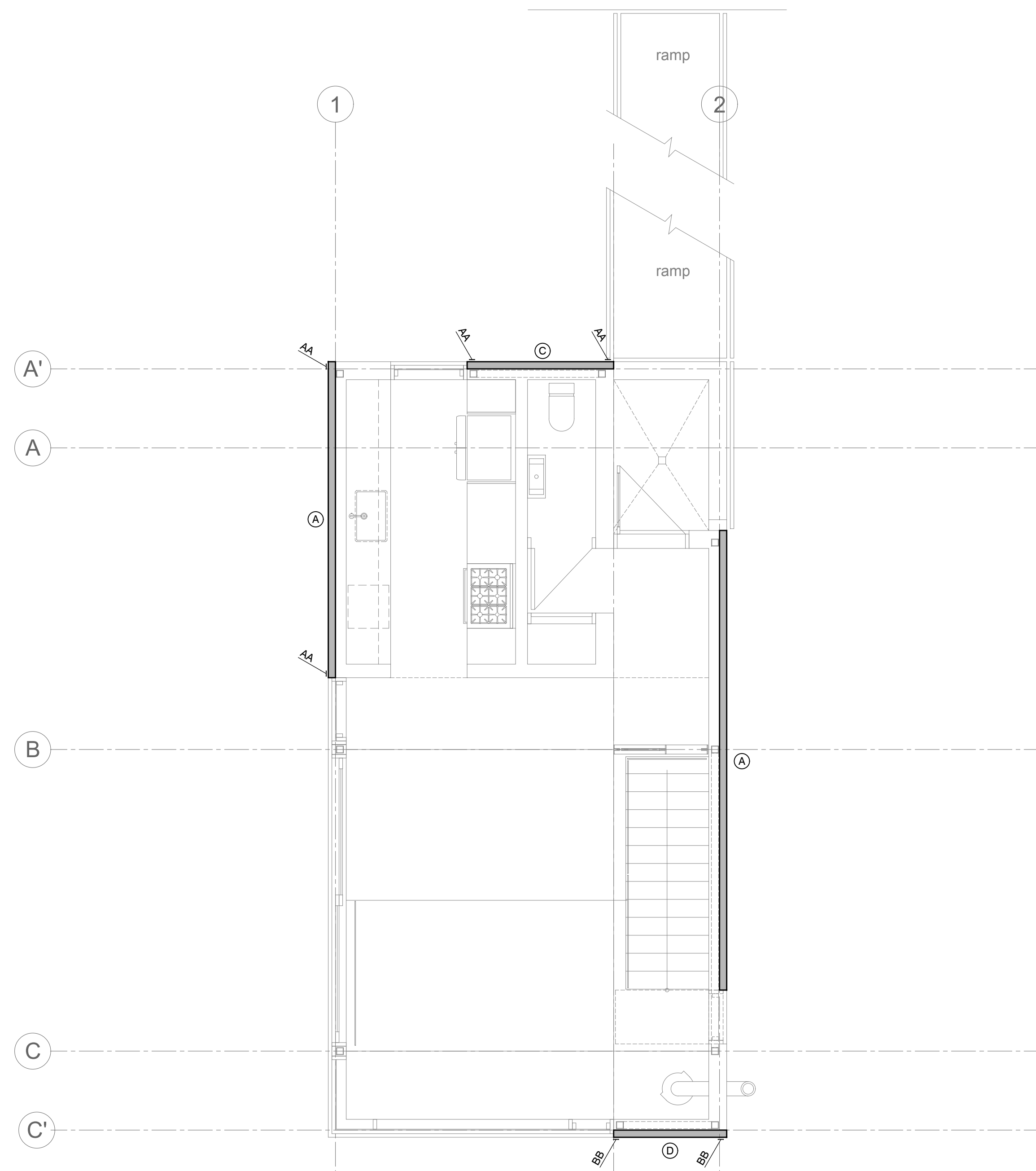
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SCALE:	1/4" = 1'-0"
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JOB No.	17-088

**UPPER FLOOR AND ROOF FRAMING PLANS**

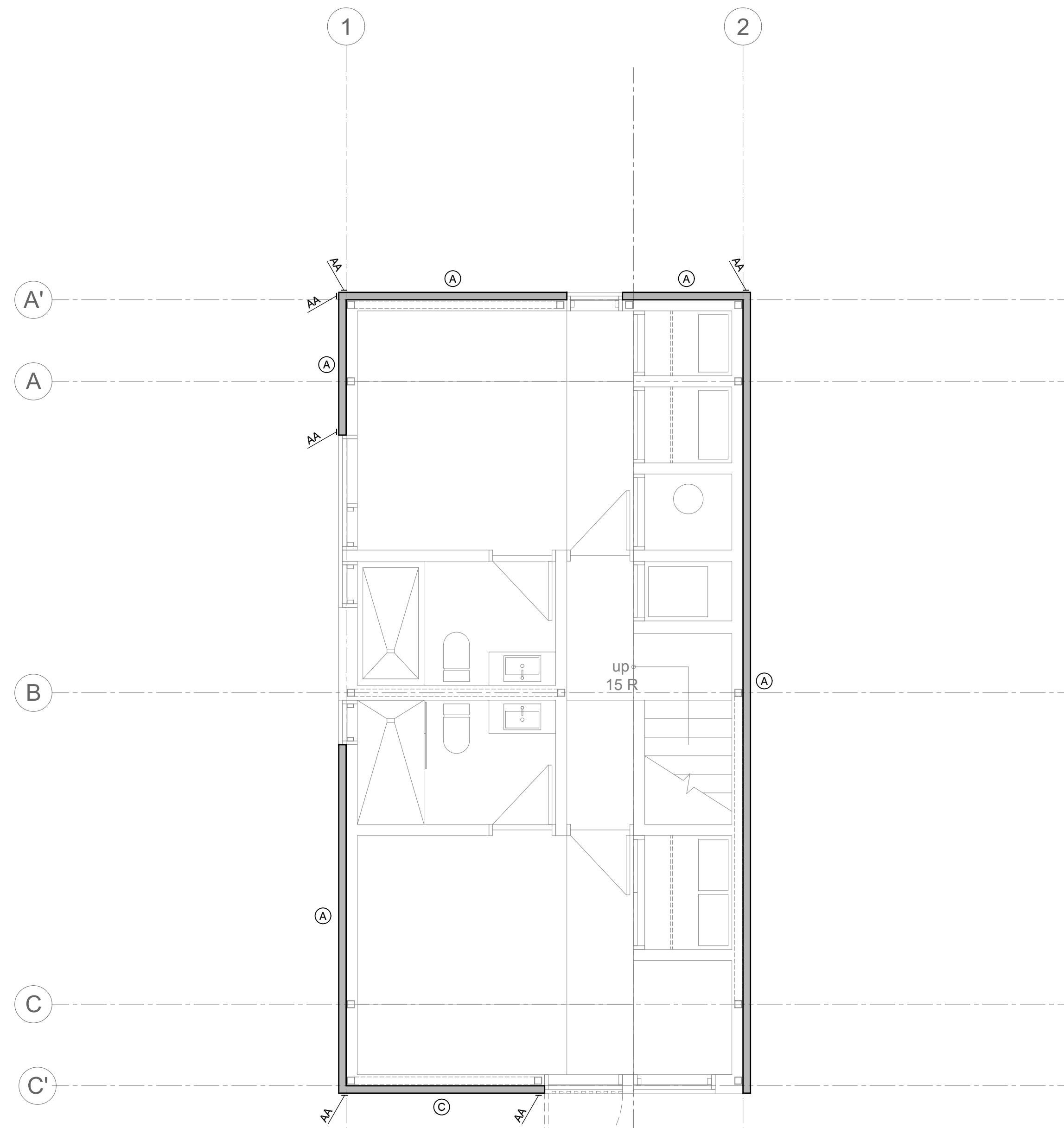
SHEET No.

**S2.2**

**PERMIT SET**



UPPER FLOOR SHEARWALL PLAN



MAIN FLOOR SHEARWALL PLAN

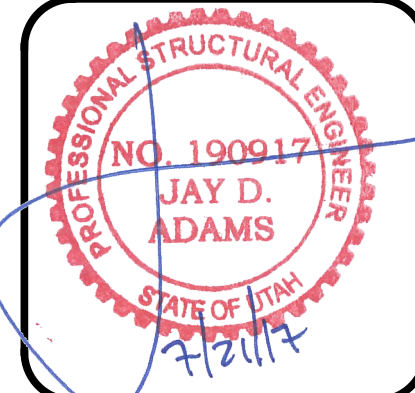
SHEARWALL SCHEDULE							
MARK	PANEL GRADE	PANEL THICKNESS	PANEL EDGE NAILING	PANEL FIELD NAILING	STUDS AT ADJOINING PANEL EDGES	ANCHOR BOLTS AT FOUNDATION LEVEL	SILL PLATE AT FOUNDATION
A	APA EXP. 1	3/4"	8d AT 6" O.C.	8d AT 12" O.C.	2x	3/4" dia. x 10" AT 32" O.C.	2x TREATED
B	APA EXP. 1	3/4"	8d AT 4" O.C.	8d AT 12" O.C.	2x	3/4" dia. x 10" AT 32" O.C.	2x TREATED
C	APA EXP. 1	3/4"	8d AT 3" O.C.	8d AT 12" O.C.	2x	3/4" dia. x 10" AT 32" O.C.	2x TREATED
D	APA EXP. 1	3/4"	8d AT 2" O.C.	8d AT 12" O.C.	3x	3/4" dia. x 10" AT 16" O.C.	2x TREATED

- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION
- PLYWOOD, ORIENTED STRAND BOARD AND COMPOSITE BOARD (BUT NOT STRUCTURAL PARTICLE BOARD) ARE ACCEPTED AS EQUALS
- ALL PANEL EDGES AT SHEAR WALLS SHALL BE BACKED WITH 2" NOMINAL FRAMING, EXCEPT WHERE INDICATED TO BE 3" NOMINAL ON SCHEDULE. 3x MATERIAL MAY BE REPLACED WITH 4x MATERIAL. MULTIPLE LAYERS OF 2x FRAMING SHALL NOT BE USED WHERE 3x FRAMING IS INDICATED.
- ALL ANCHOR BOLTS TO HAVE A 3" x 3" x 1/2" PLATE WASHER (SEE SEE SCHEDULE ABOVE FOR SPACING)

- ALL STUDS IN SHEAR WALLS SHALL BE DOUGLAS FIR-LARCH
- SHEAR WALL PANELS INDICATED ON SCHEDULE ARE TO BE SHEATHED FOR FULL HEIGHT OF THE WALL.
- SEE SPECIAL INSPECTION PAGE FOR ADDITIONAL REQUIREMENTS
- WHERE PANELS ARE APPLIED ON BOTH FACES OF A SHEAR WALL AND NAIL SPACING IS LESS THAN 6" ON CENTER ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS. ALTERNATIVELY, THE WIDTH OF THE NAILED FACE OF FRAMING MEMBERS SHALL BE 3" NOMINAL OR GREATER AT ADJOINING PANEL EDGES AND NAILS AT ALL PANEL EDGES SHALL BE STAGGERED.

HOLD DOWN SCHEDULE					
MARK	HOLDDOWN	ATTACHMENT TO STUDS	FOUNDATION ANCHORS	MINIMUM STUDS	REMARKS
AA	SIMPSON MST48	(34) 16d SINKERS	N. A.	(2) 2x	SEE DETAILS ON S3.3
BB	SIMPSON MST72	(62) 16d SINKERS	N. A.	(2) 2x	SEE DETAILS ON S3.3

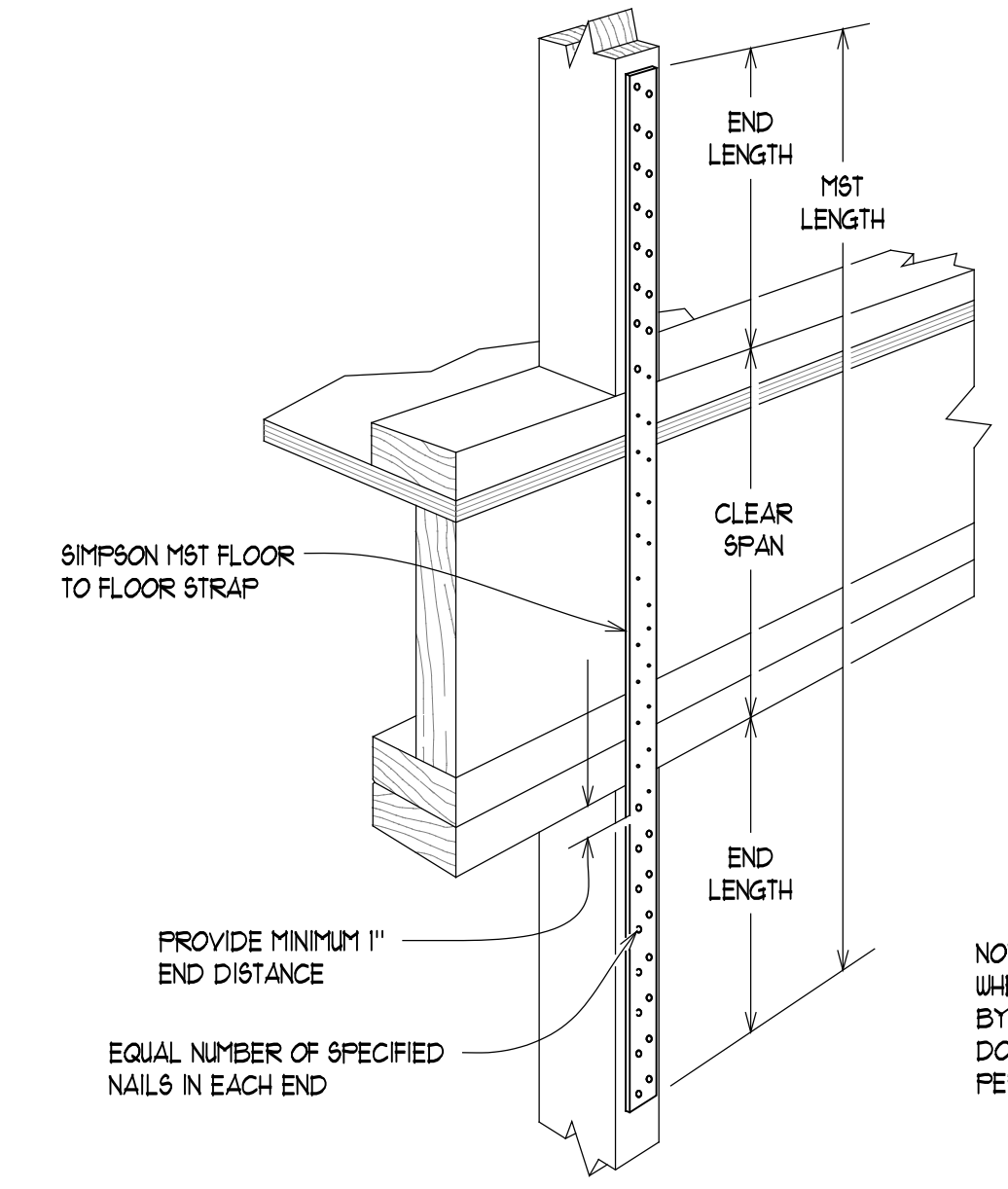
- ALL ANCHORS ARE SIMPSON STRONG-TIE. (OR EQUAL)
- INSTALLATION OF ALL HOLDDOWN ANCHORS AND STRAPS SHALL BE PER MANUFACTURES RECOMMENDATIONS AND SPECIFICATIONS
- PROVIDE EDGE NAILING ALONG STUDS CONNECTED TO HOLDDOWN ANCHORS AND STRAPS
- SEE SPECIAL INSPECTION PAGE FOR ADDITIONAL REQUIREMENTS



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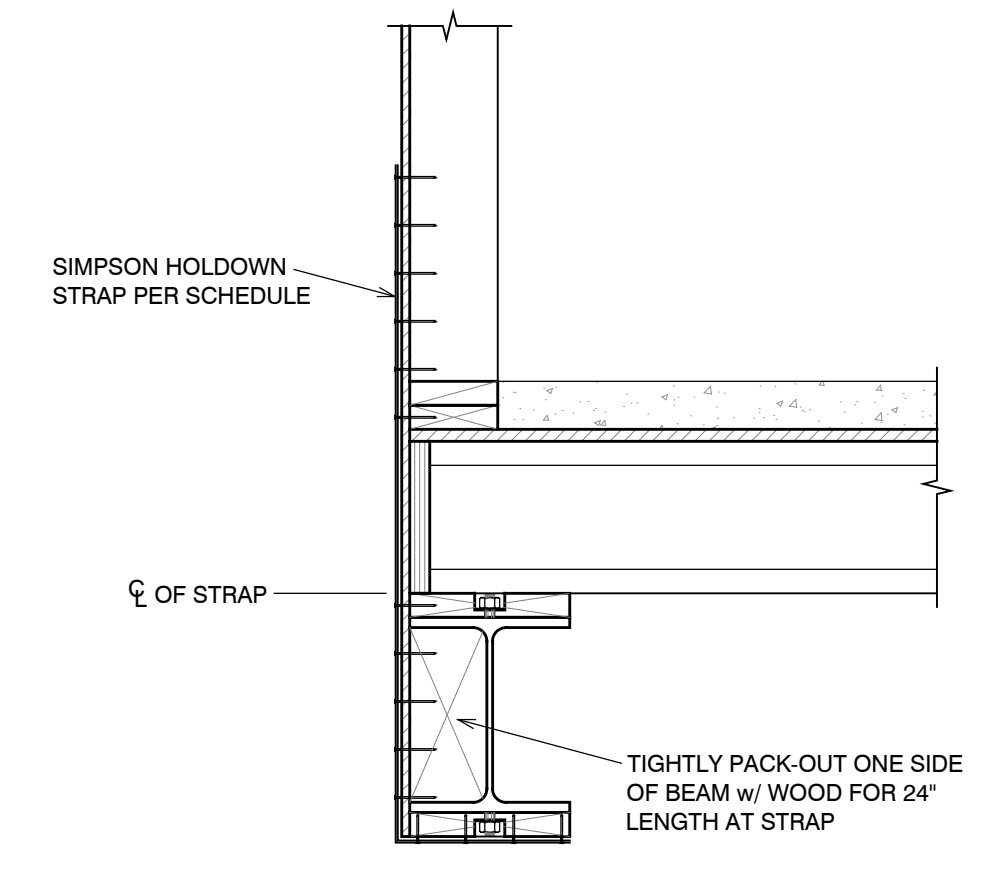
MAIN FLOOR & UPPER FLOOR SHEARWALL PLANS  
 SHEET No. **S3.1**

PERMIT SET



1 CONSTRUCTION DETAIL  
S3.3 NO SCALE

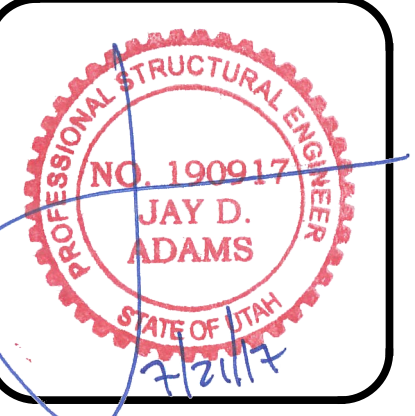
NOTE:  
WHERE WALL IS SUPPORTED  
BY BEAM, WRAP STRAP  
DOWN AROUND BEAM AS  
PER 6 OR 7/ S3.3



2 CONSTRUCTION DETAIL  
S3.3 NO SCALE

**DYNAMIC STRUCTURES**  
1887 NORTH 1120 WEST PROVO, UTAH 84604  
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Structural Plans for:  
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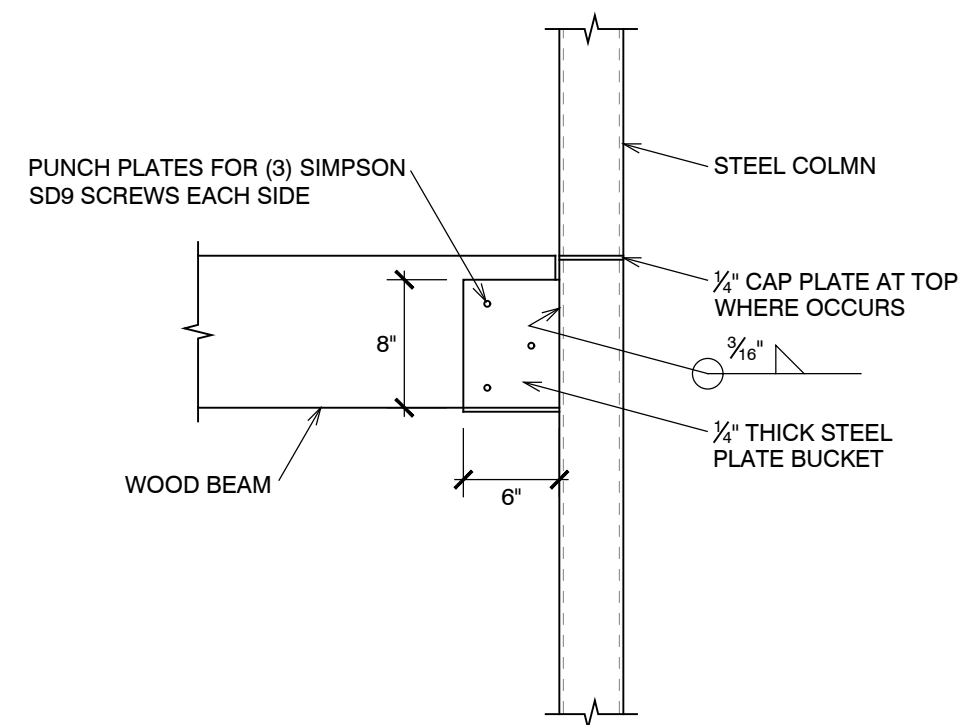


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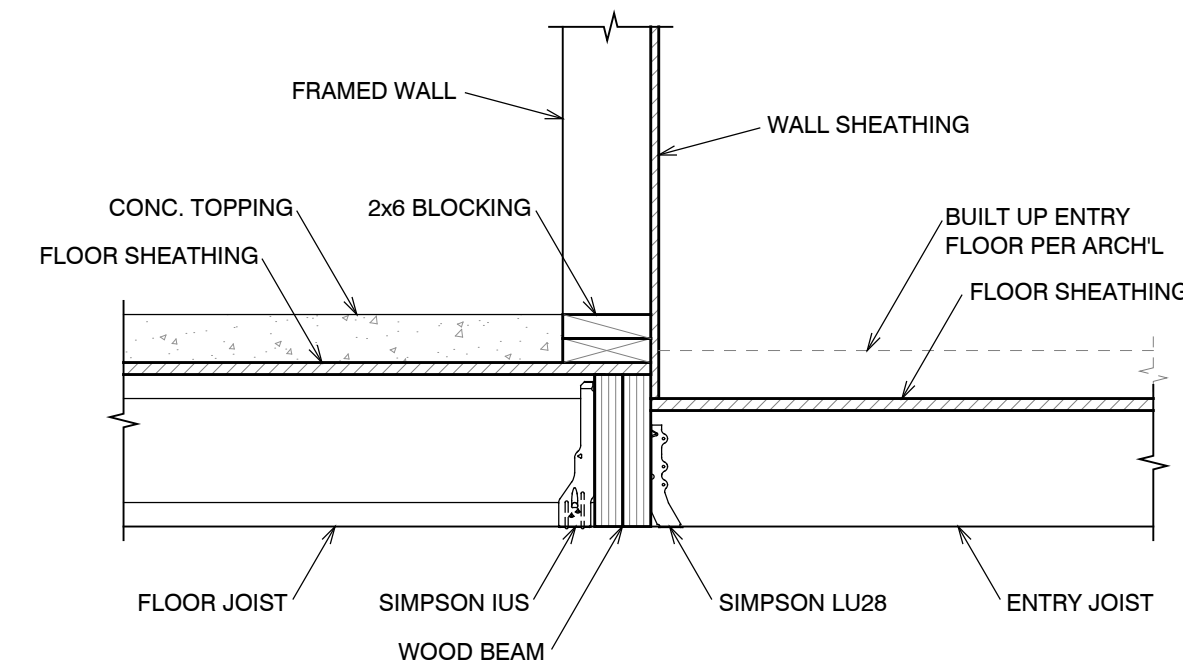
CONSTRUCTION  
DETAILS

SHEET No.  
**S3.3**

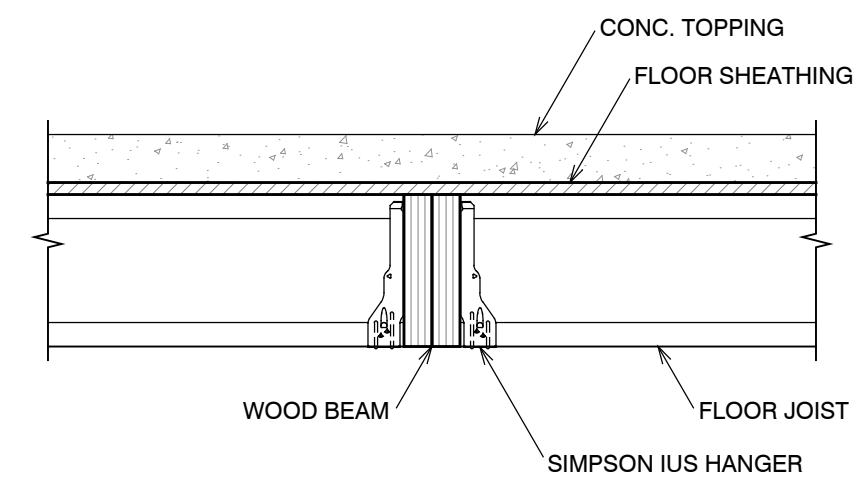
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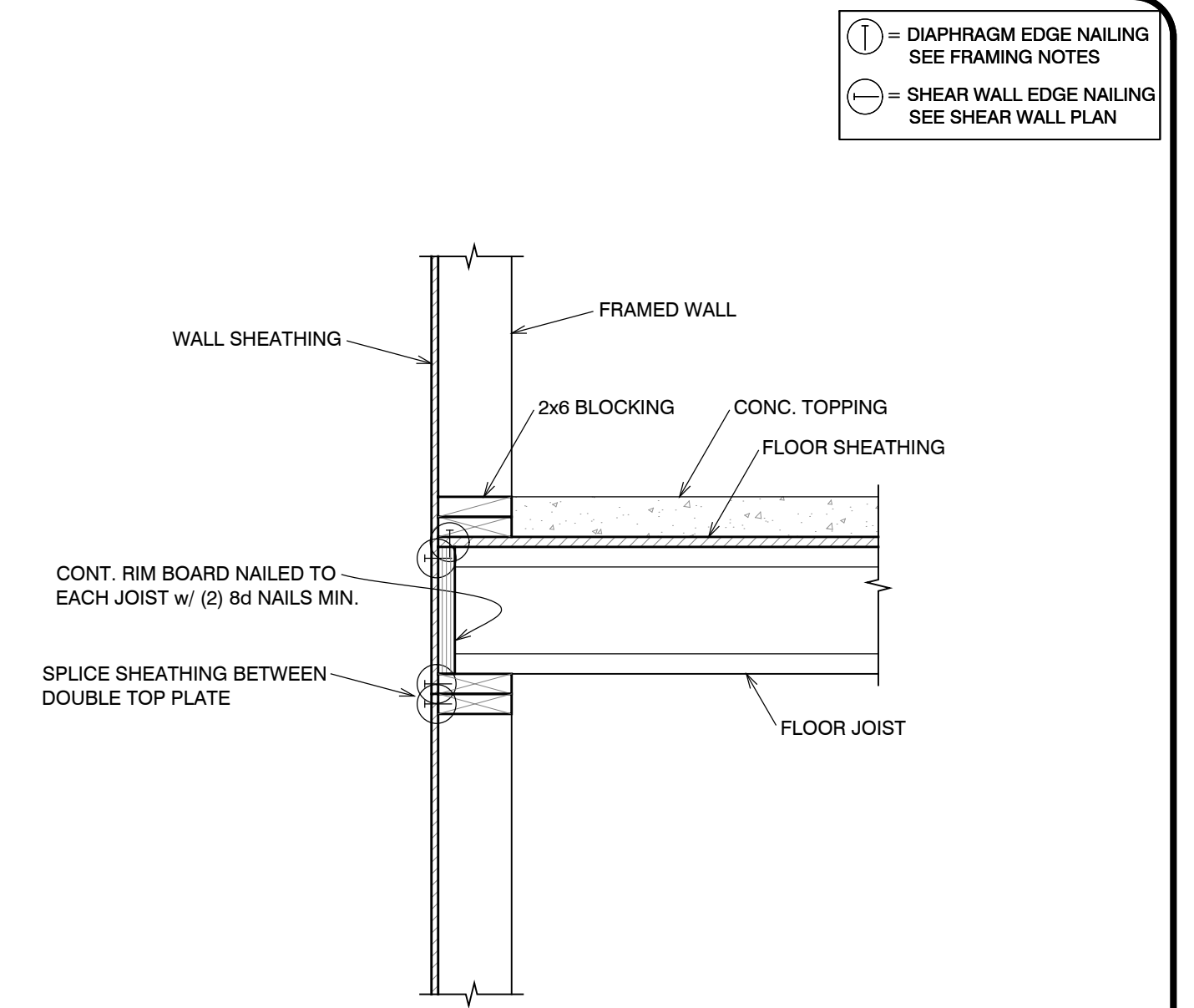
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7 CONSTRUCTION DETAIL  
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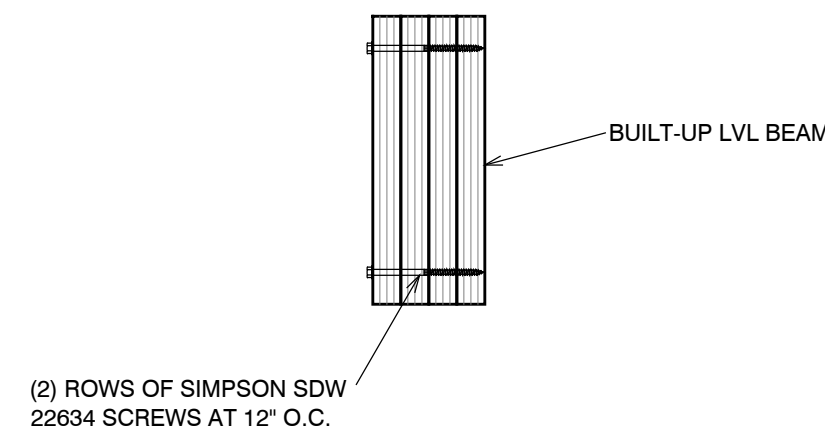


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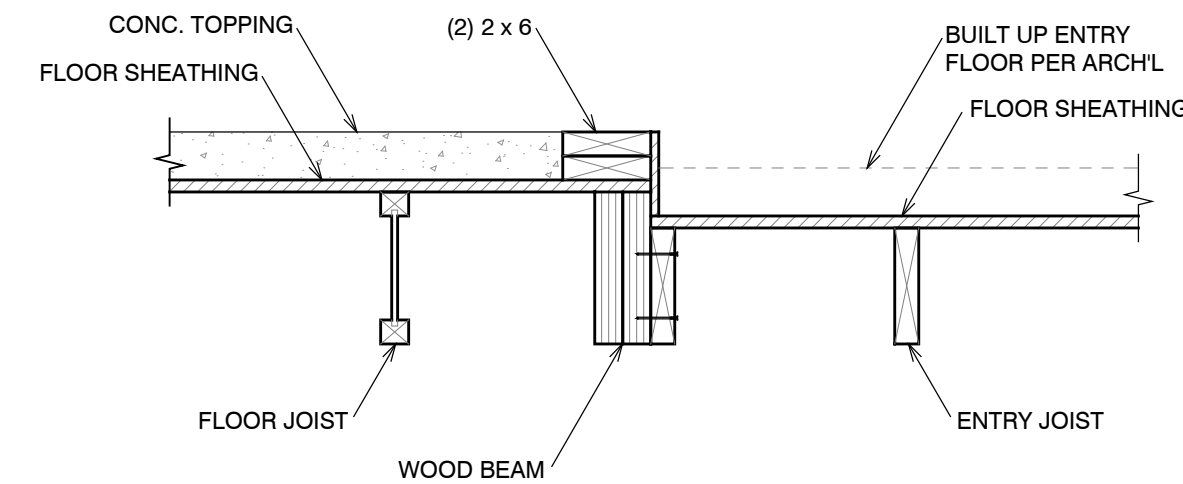


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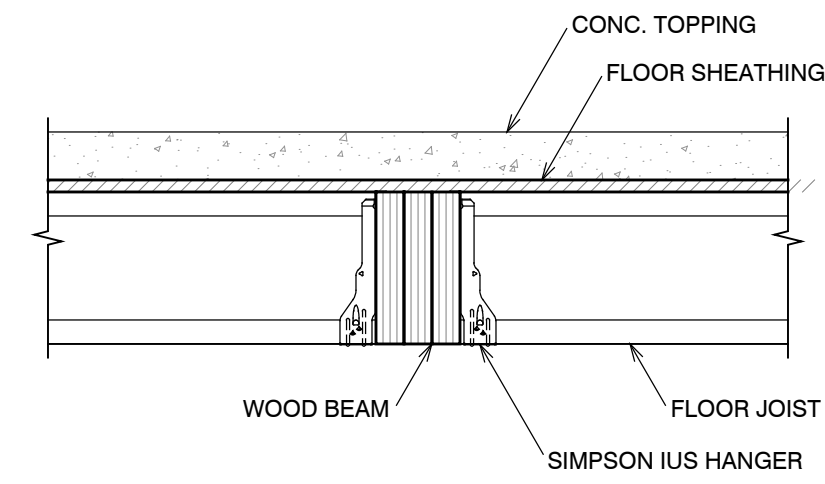
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② = SHEAR WALL EDGE NAILING SEE SHEAR WALL PLAN



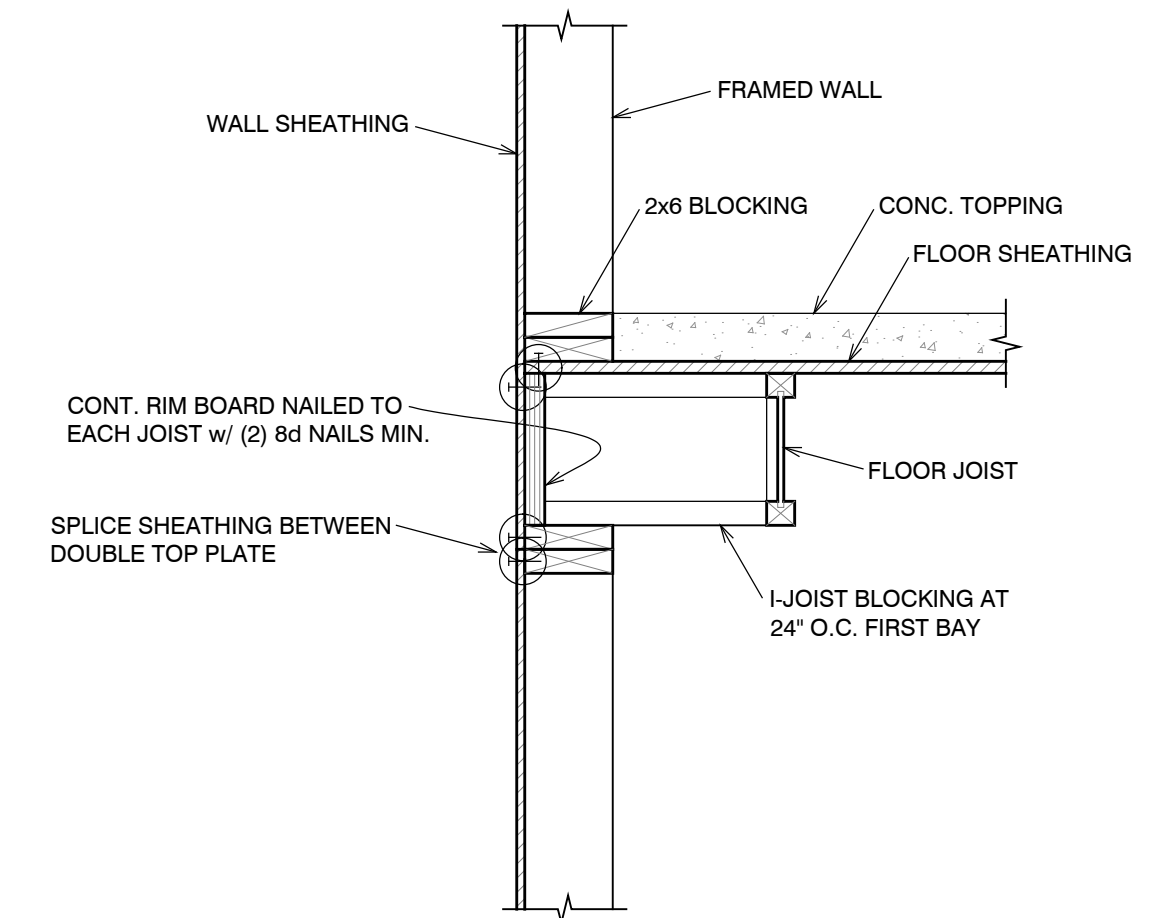
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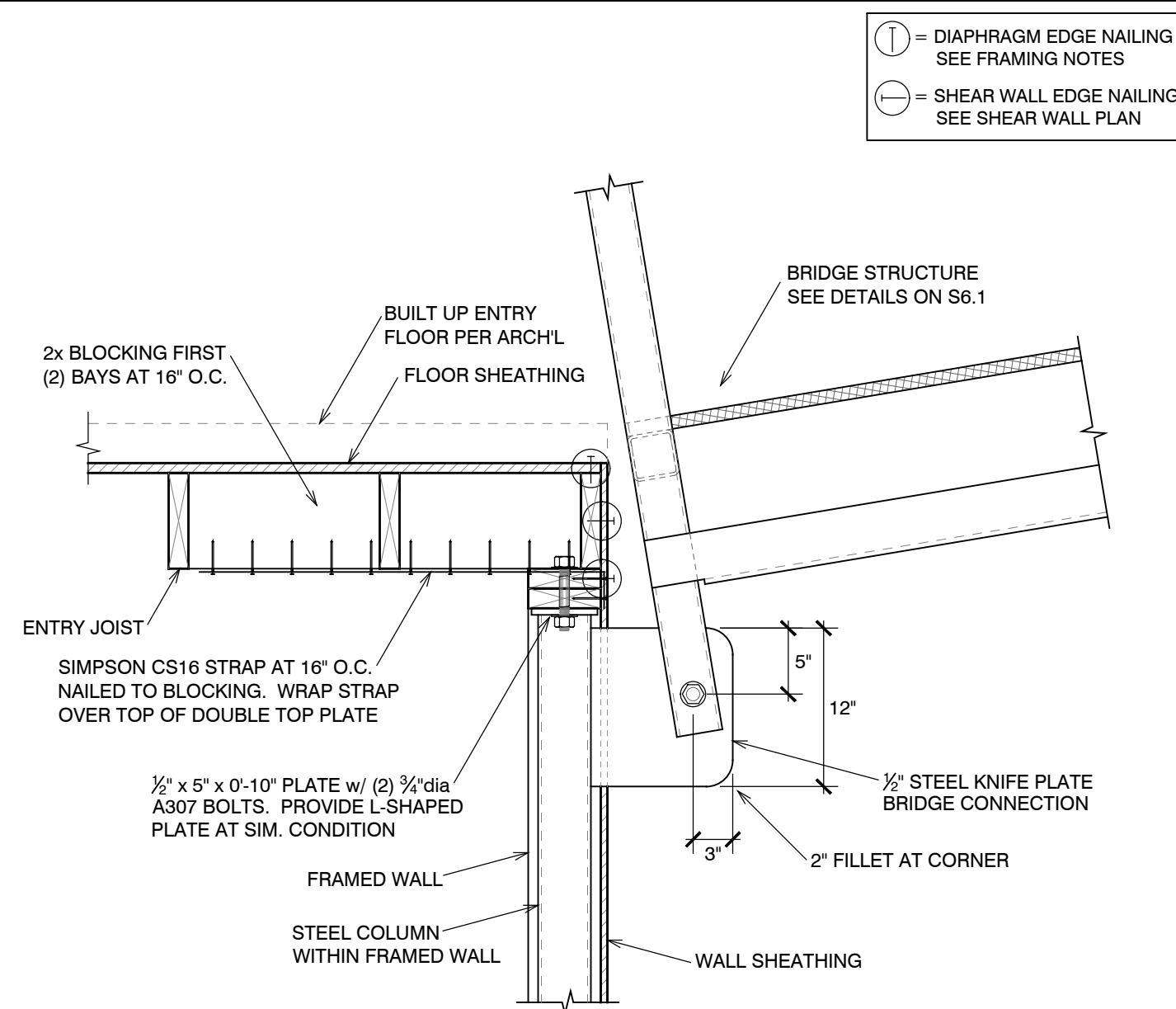


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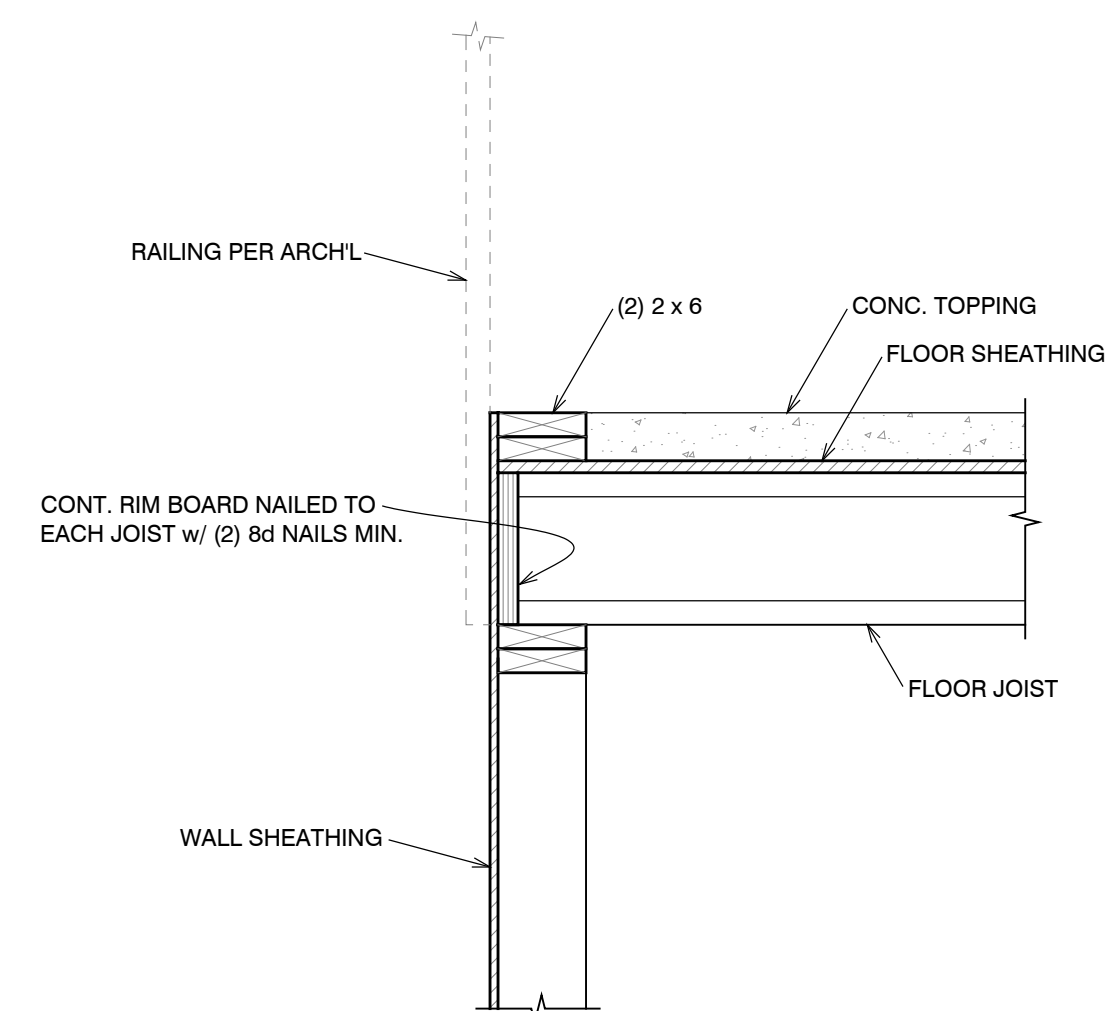
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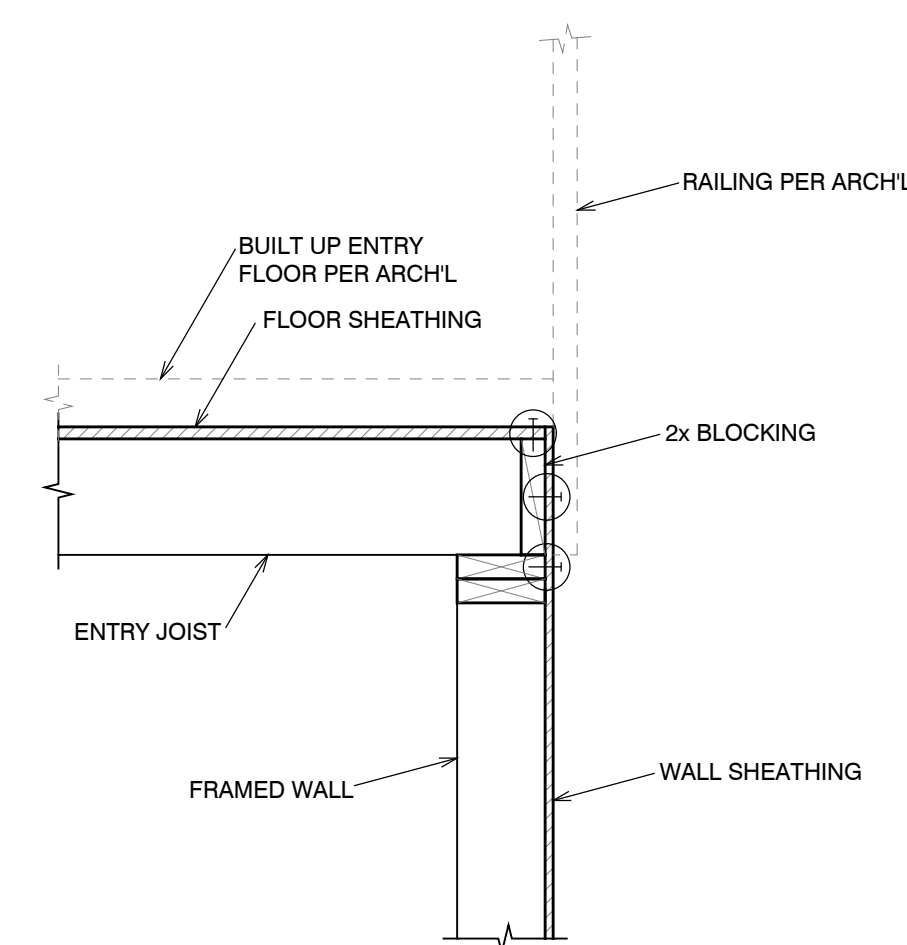


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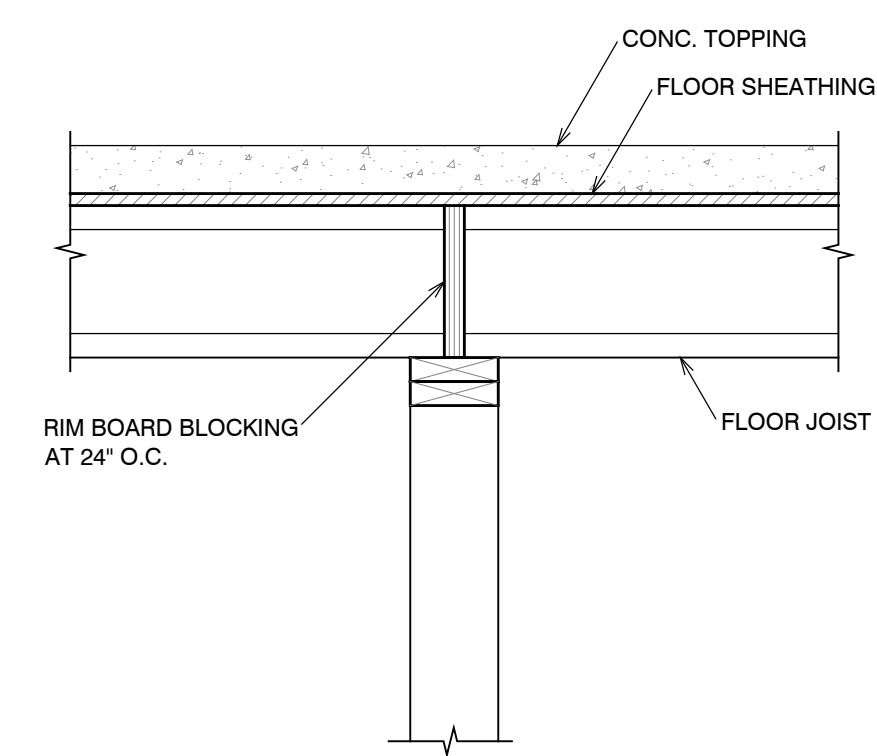


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6 CONSTRUCTION DETAIL  
S4.1 NO SCALE

① = DIAPHRAGM EDGE NAILING SEE FRAMING NOTES  
② = SHEAR WALL EDGE NAILING SEE SHEAR WALL PLAN



3 CONSTRUCTION DETAIL  
S4.1 NO SCALE

**DYNAMIC STRUCTURES**  
1887 NORTH 1120 WEST PROVO, UTAH 84604  
PH: (801) 356-1140 FAX: (801) 356-0001

Structural Plans for:  
**POWDER MOUNTAIN CABIN 1000**

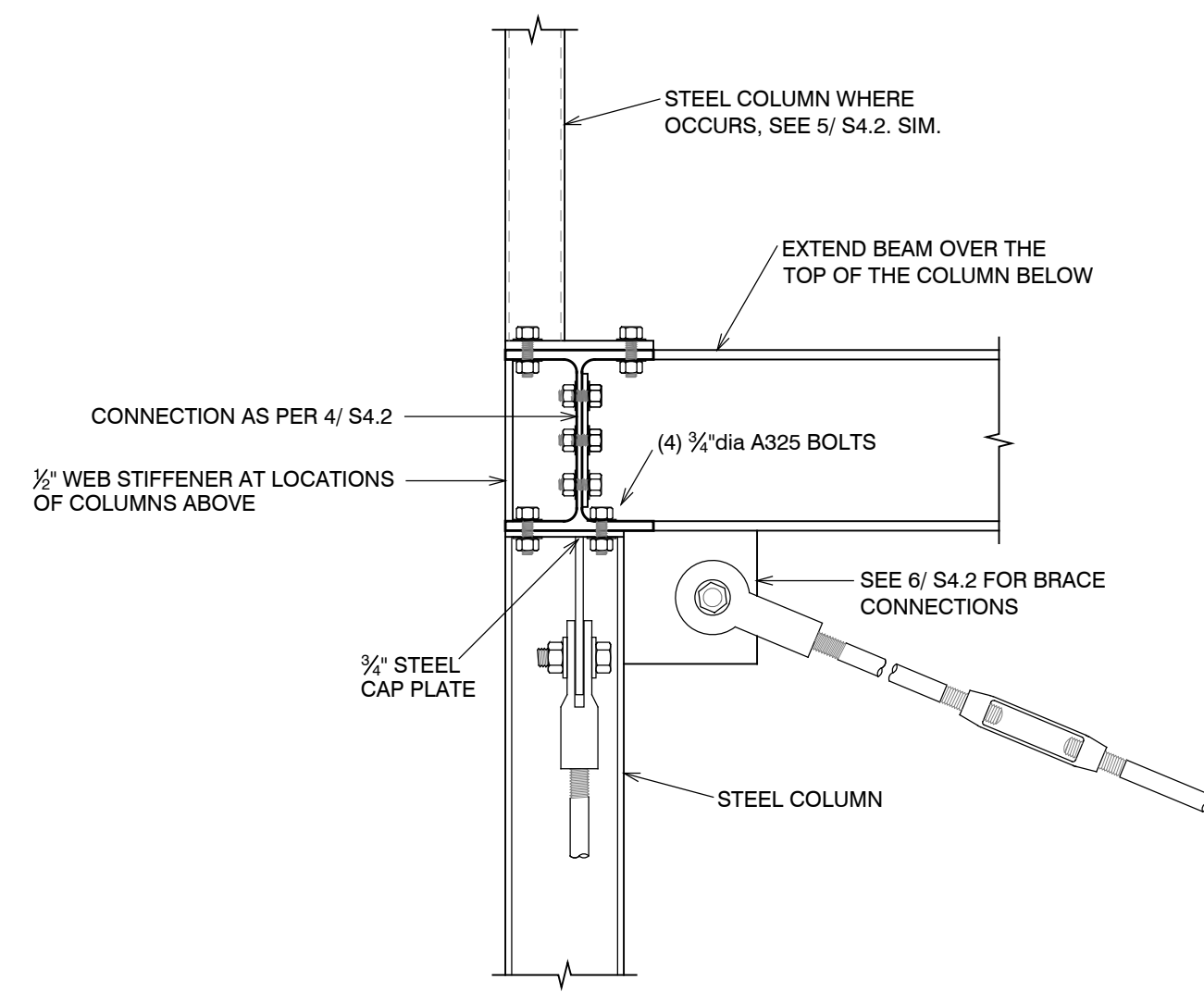
PROFESSIONAL STRUCTURAL ENGINEER  
NO. 190917  
JAY D. ADAMS  
STATE OF UTAH  
7/21/17

DESIGNED BY:	J.D.A.
CHECKED BY:	J.D.A.
SCALE:	AS SHOWN
DATE:	JULY 21, 2017
JOB No.	17-088

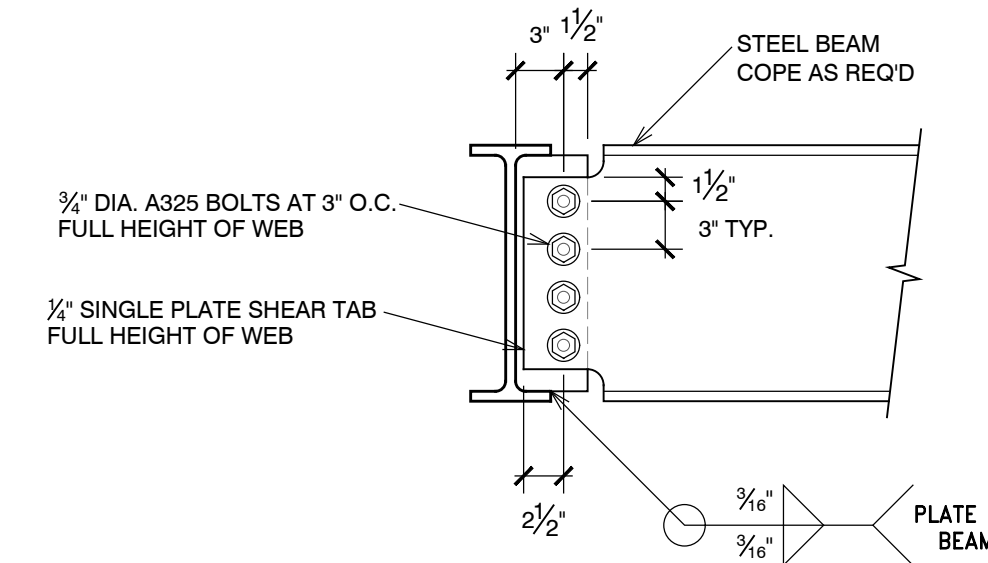
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SHEET No.  
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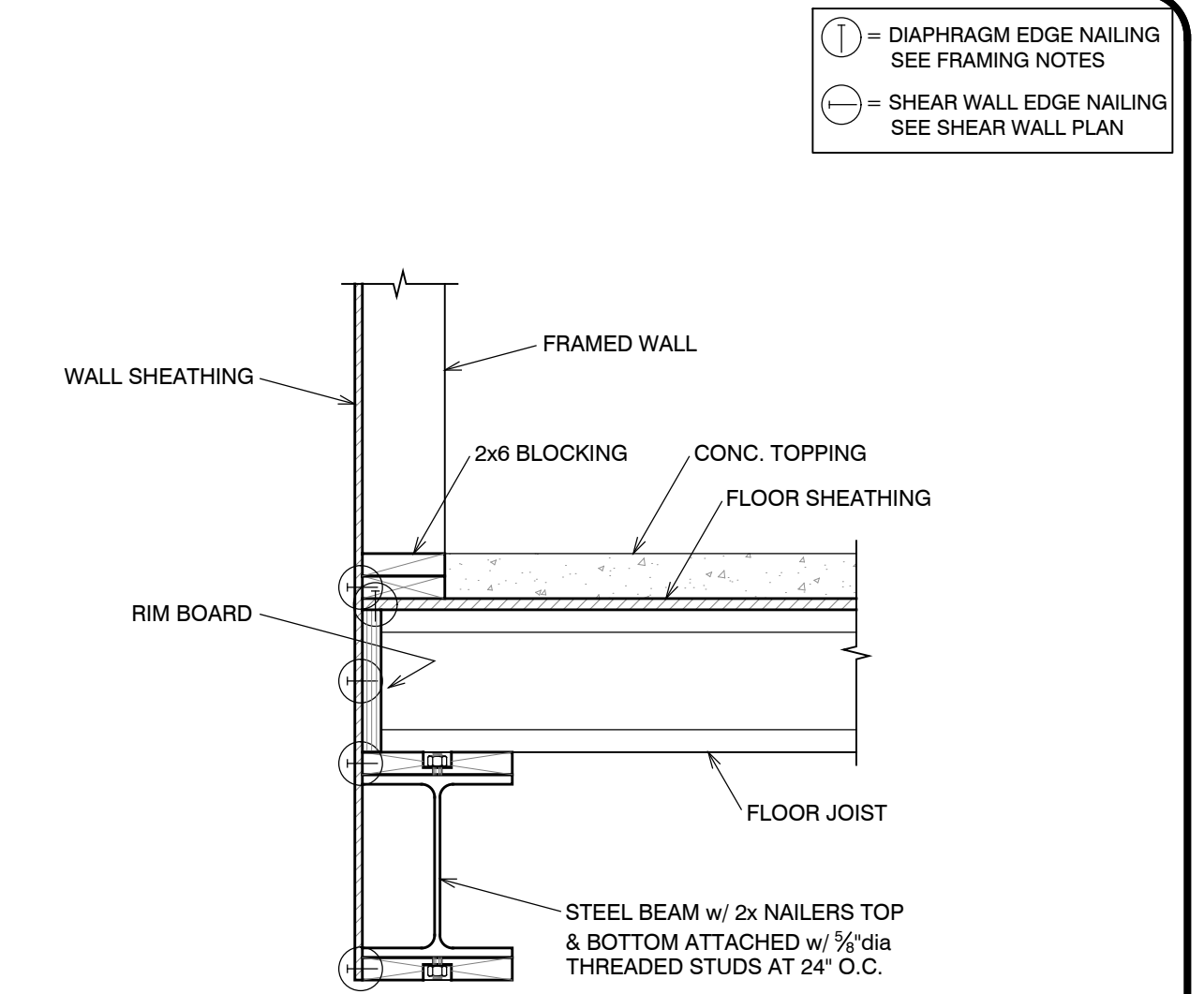
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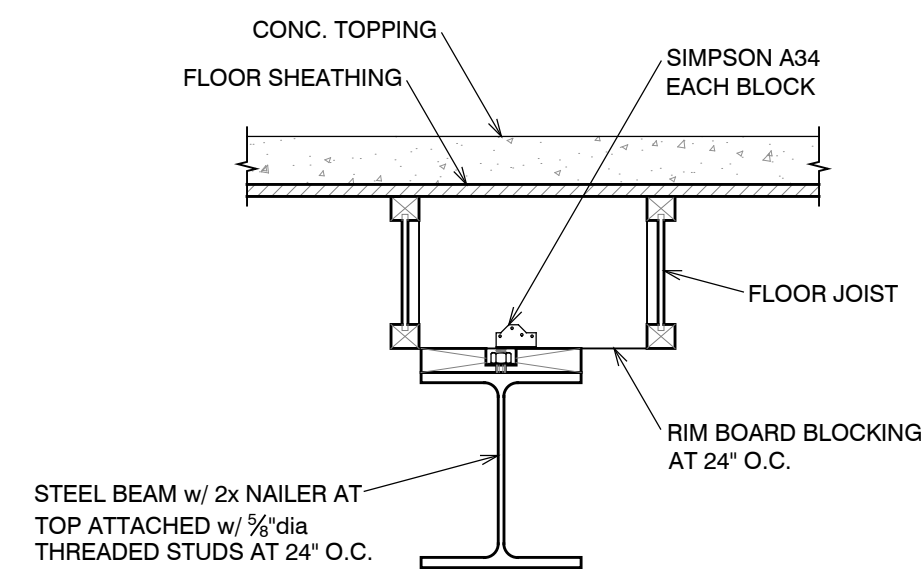
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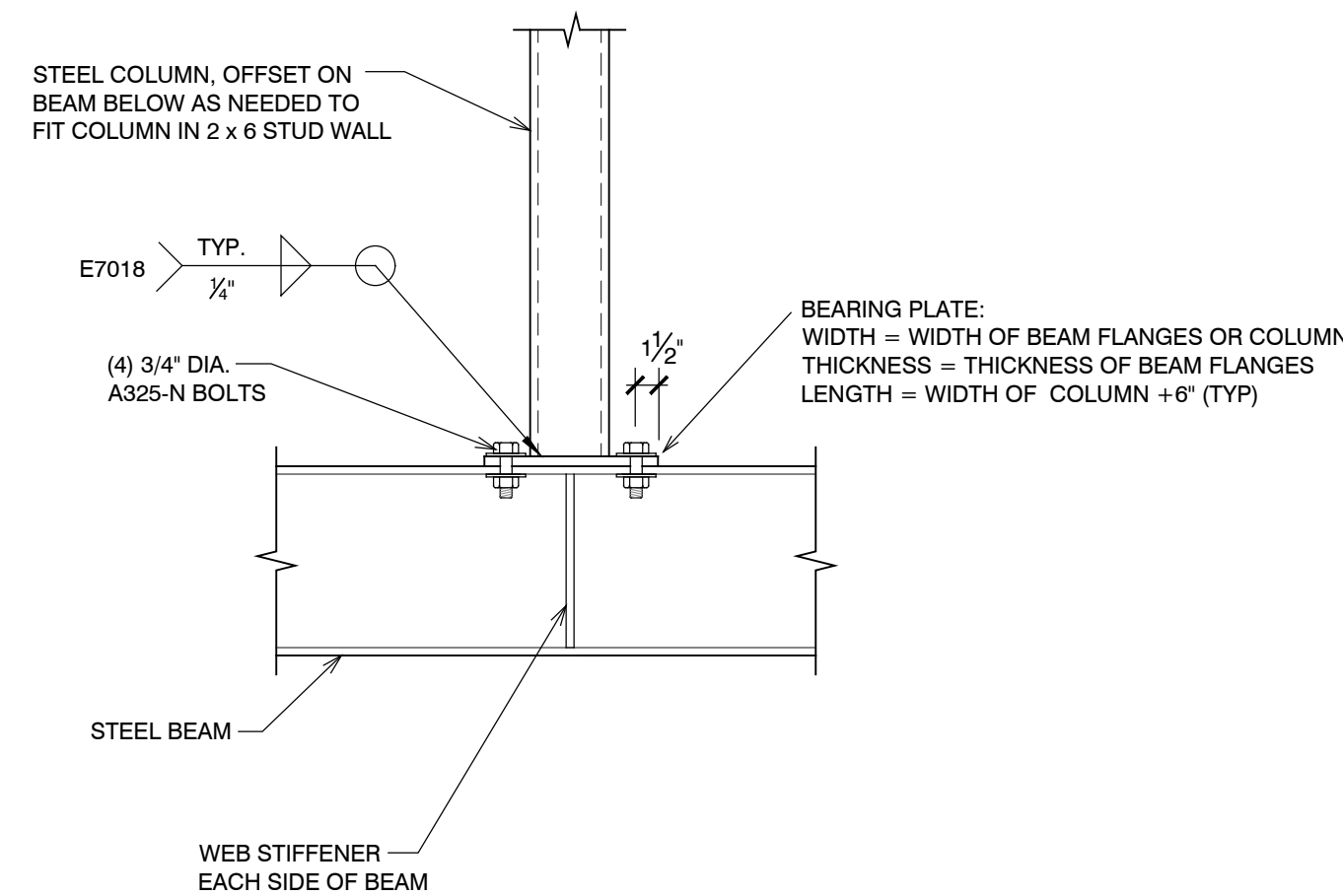
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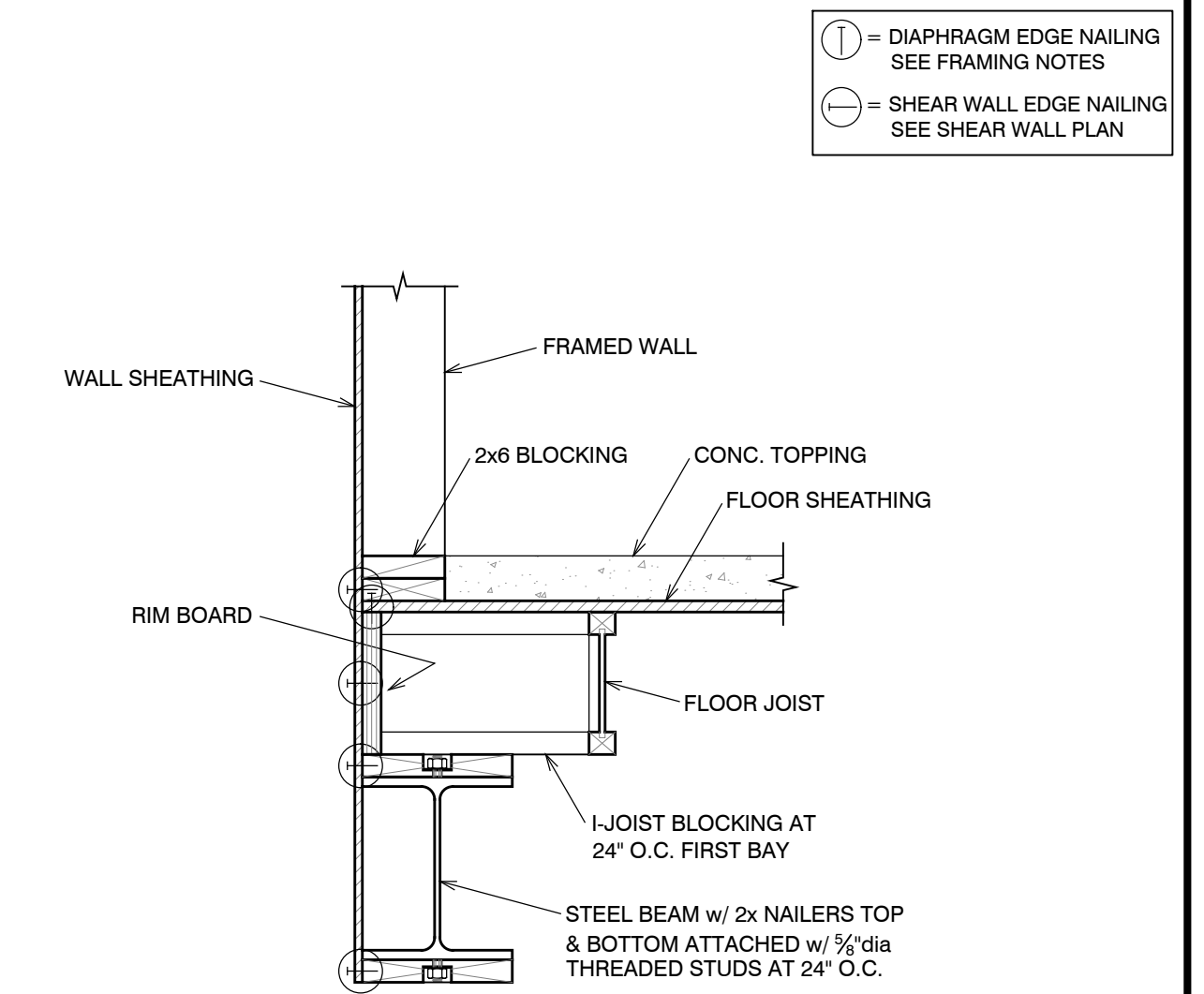
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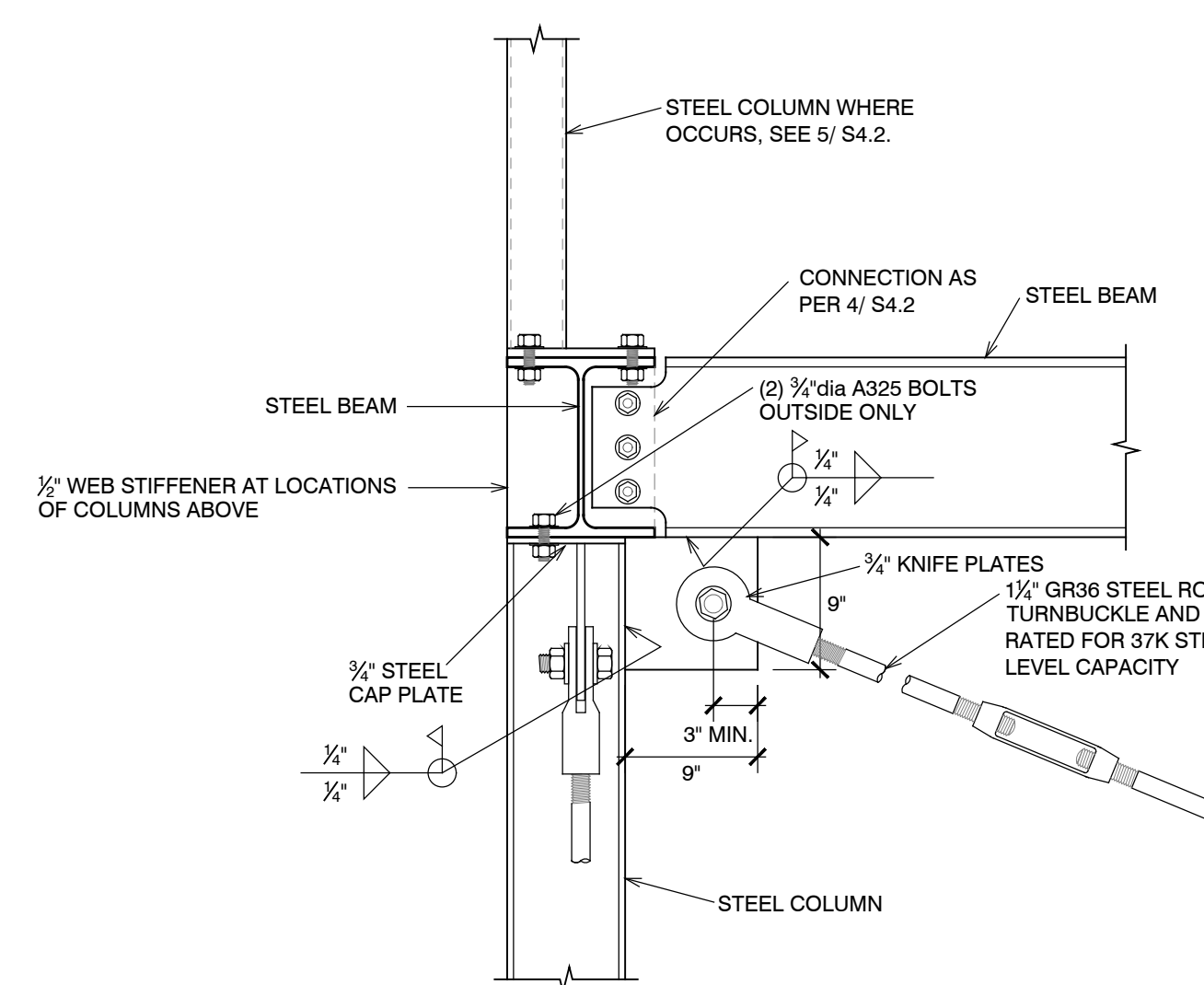
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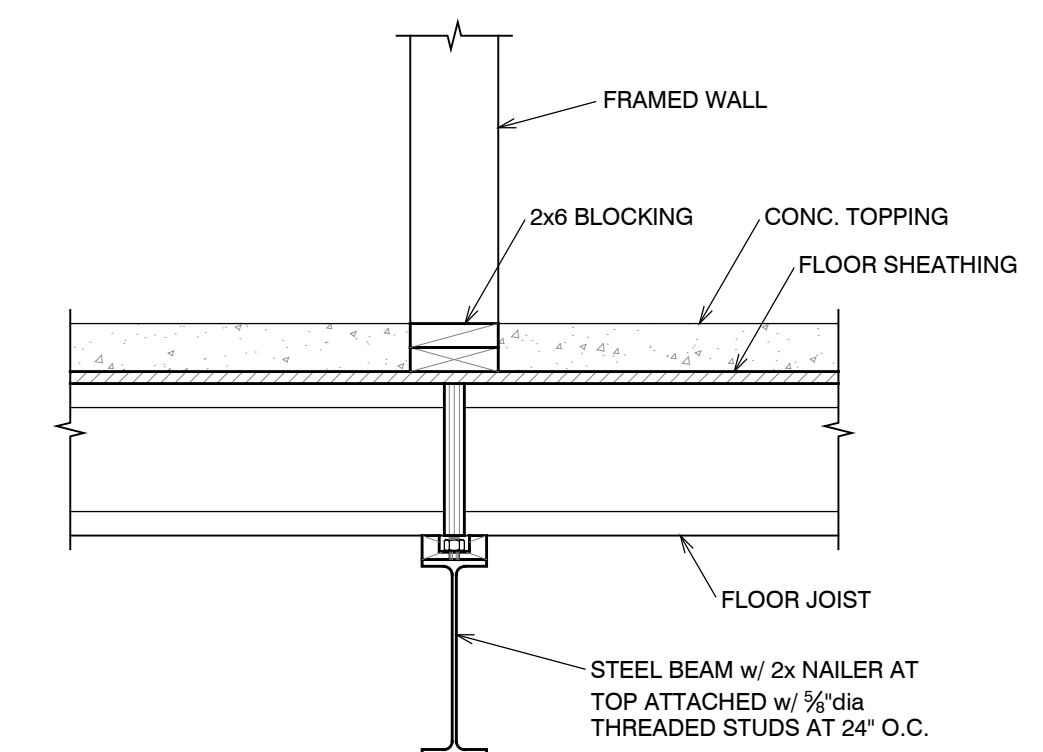
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S4.2  
CONSTRUCTION DETAIL  
NO SCALE



6  
S4.2  
CONSTRUCTION DETAIL  
NO SCALE



3  
S4.2  
CONSTRUCTION DETAIL  
NO SCALE

① = DIAPHRAGM EDGE NAILING  
SEE FRAMING NOTES  
② = SHEAR WALL EDGE NAILING  
SEE SHEAR WALL PLAN

① = DIAPHRAGM EDGE NAILING  
SEE FRAMING NOTES  
② = SHEAR WALL EDGE NAILING  
SEE SHEAR WALL PLAN

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**POWDER MOUNTAIN CABIN 1000**

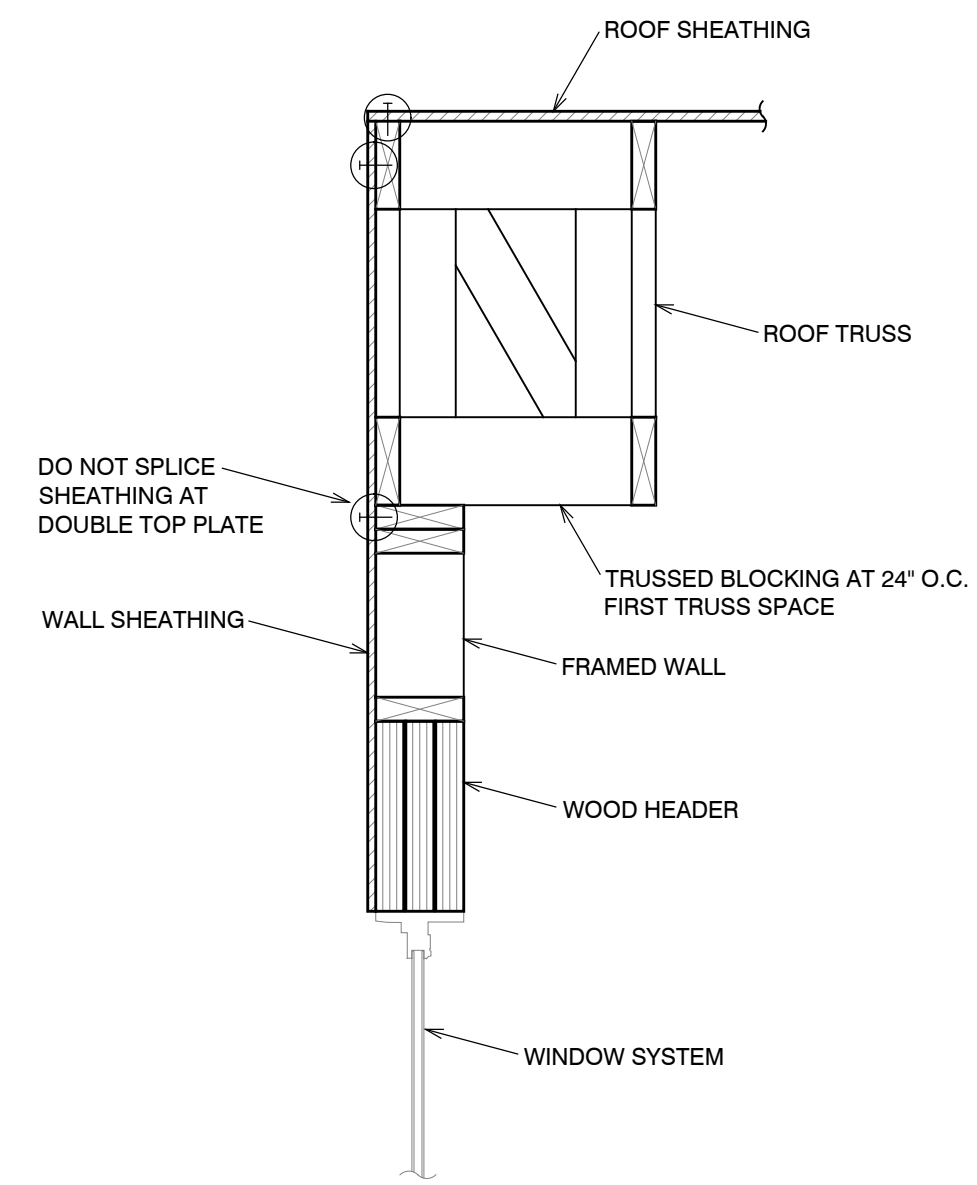
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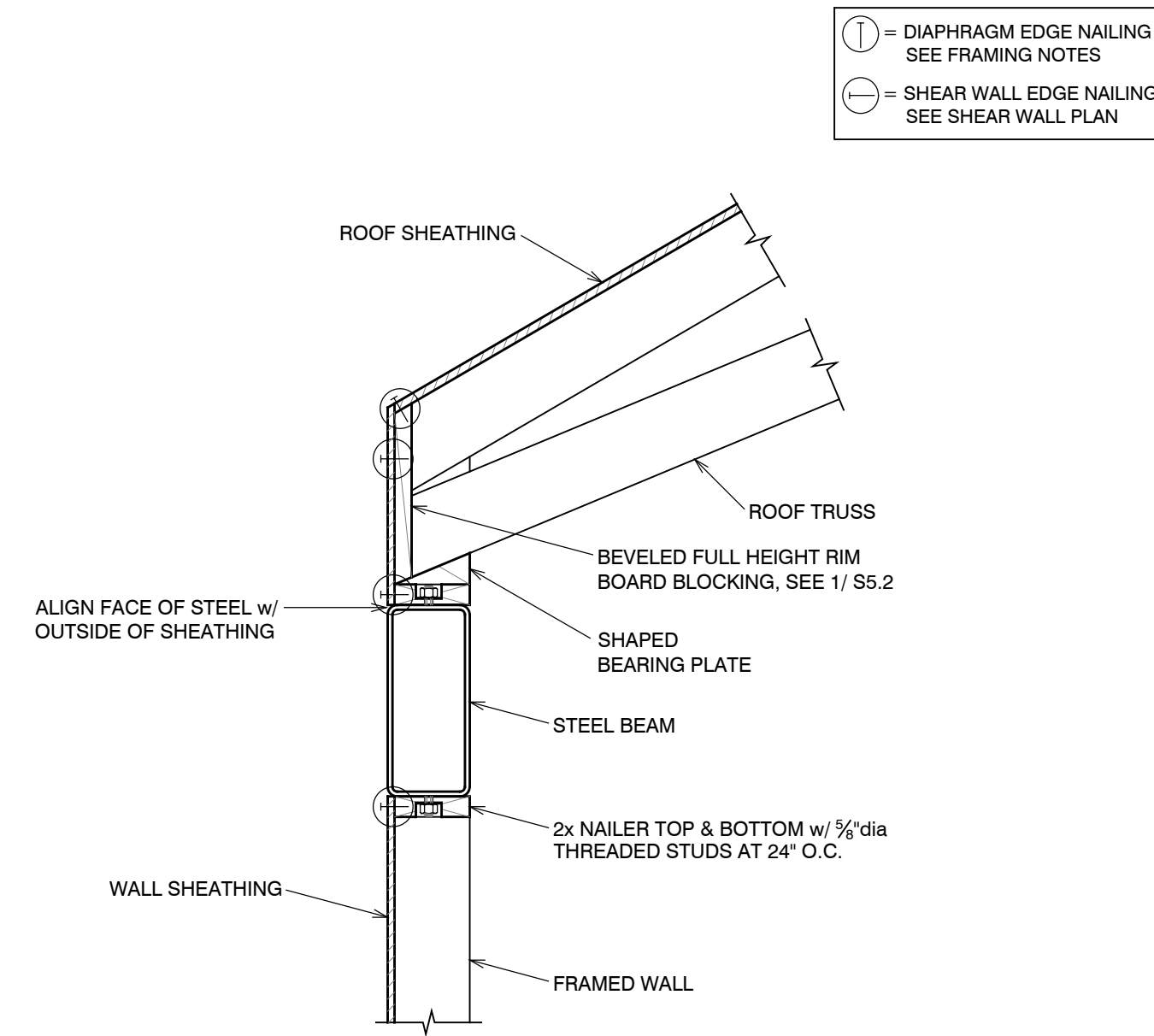
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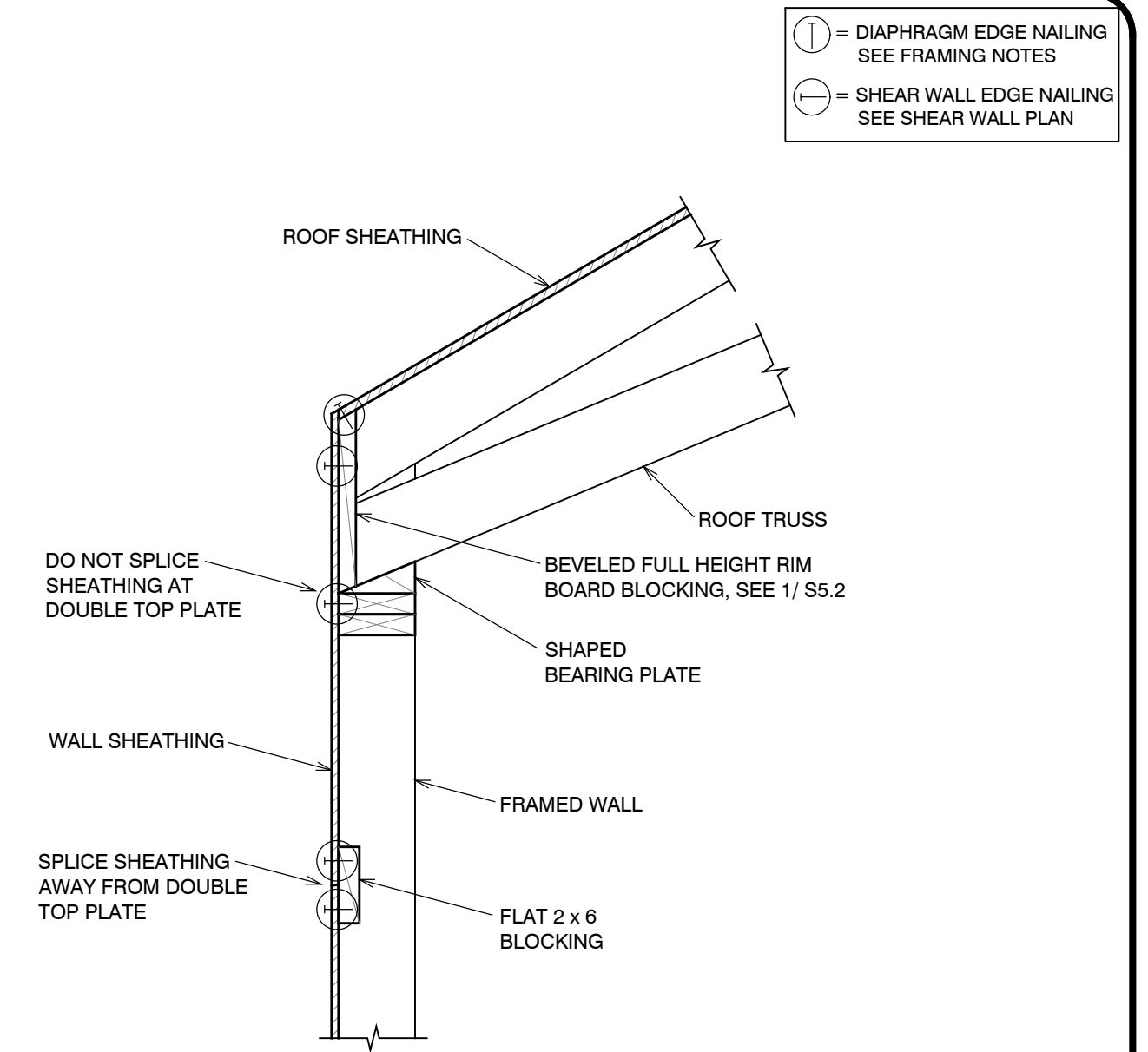




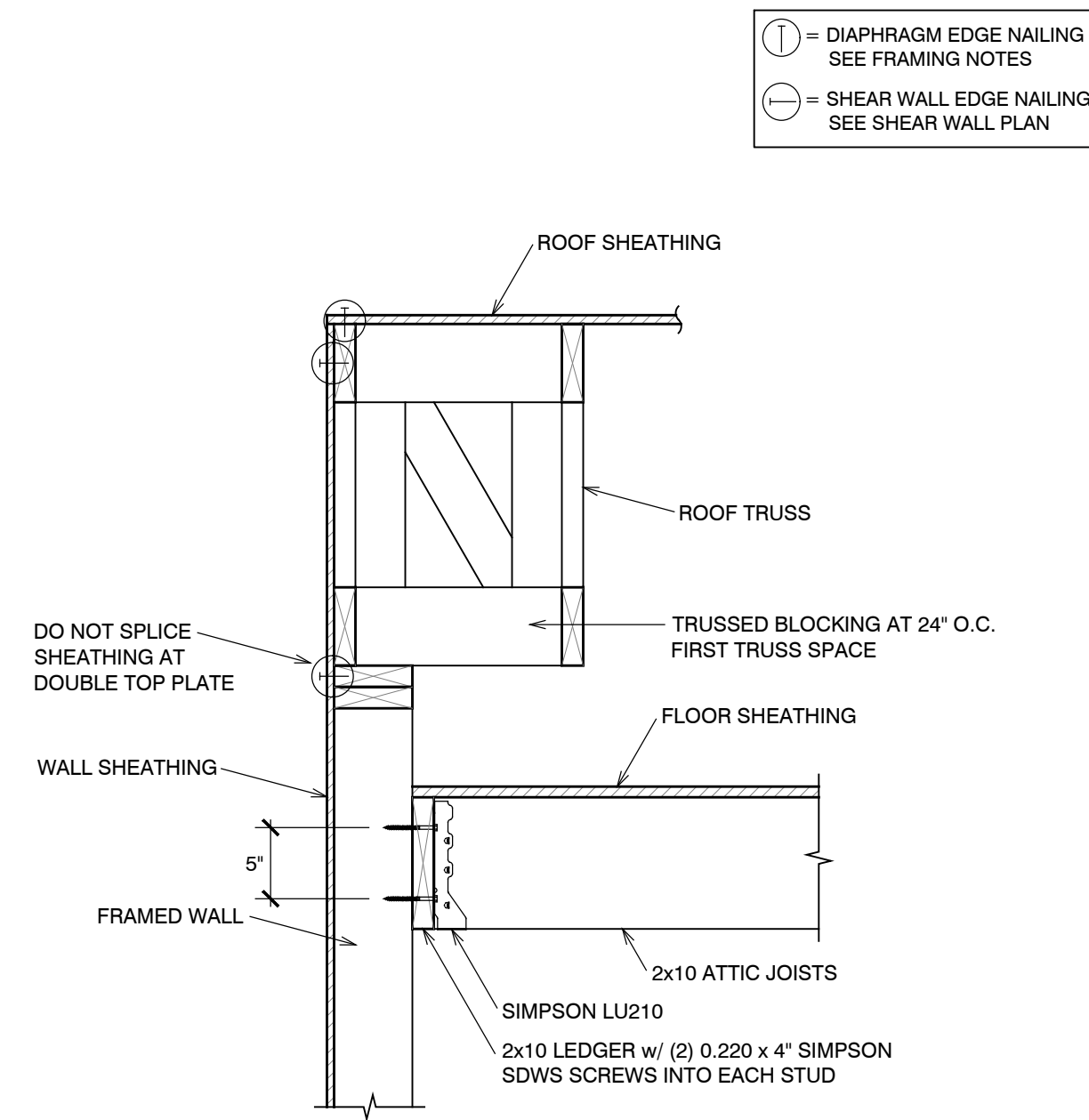
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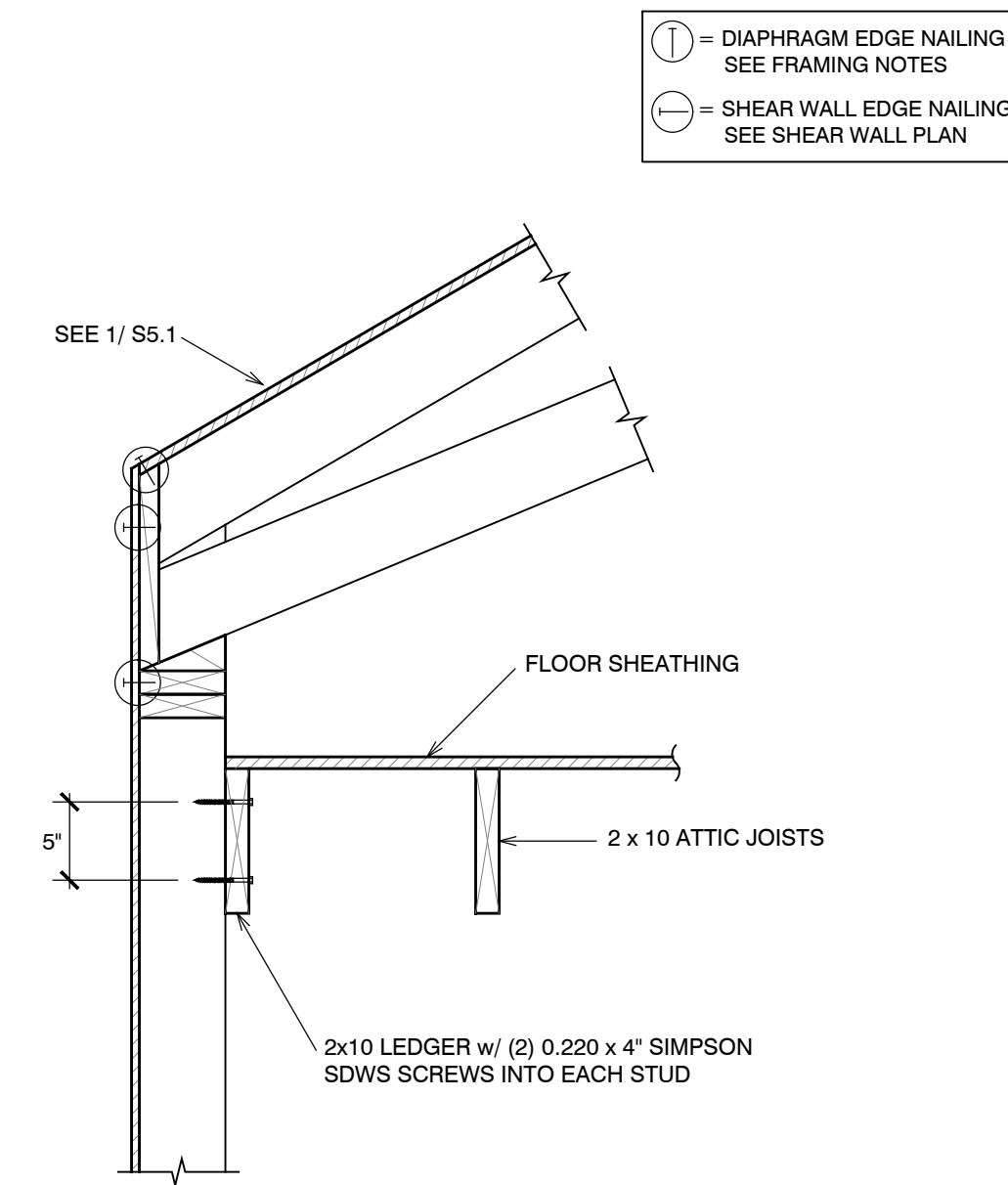
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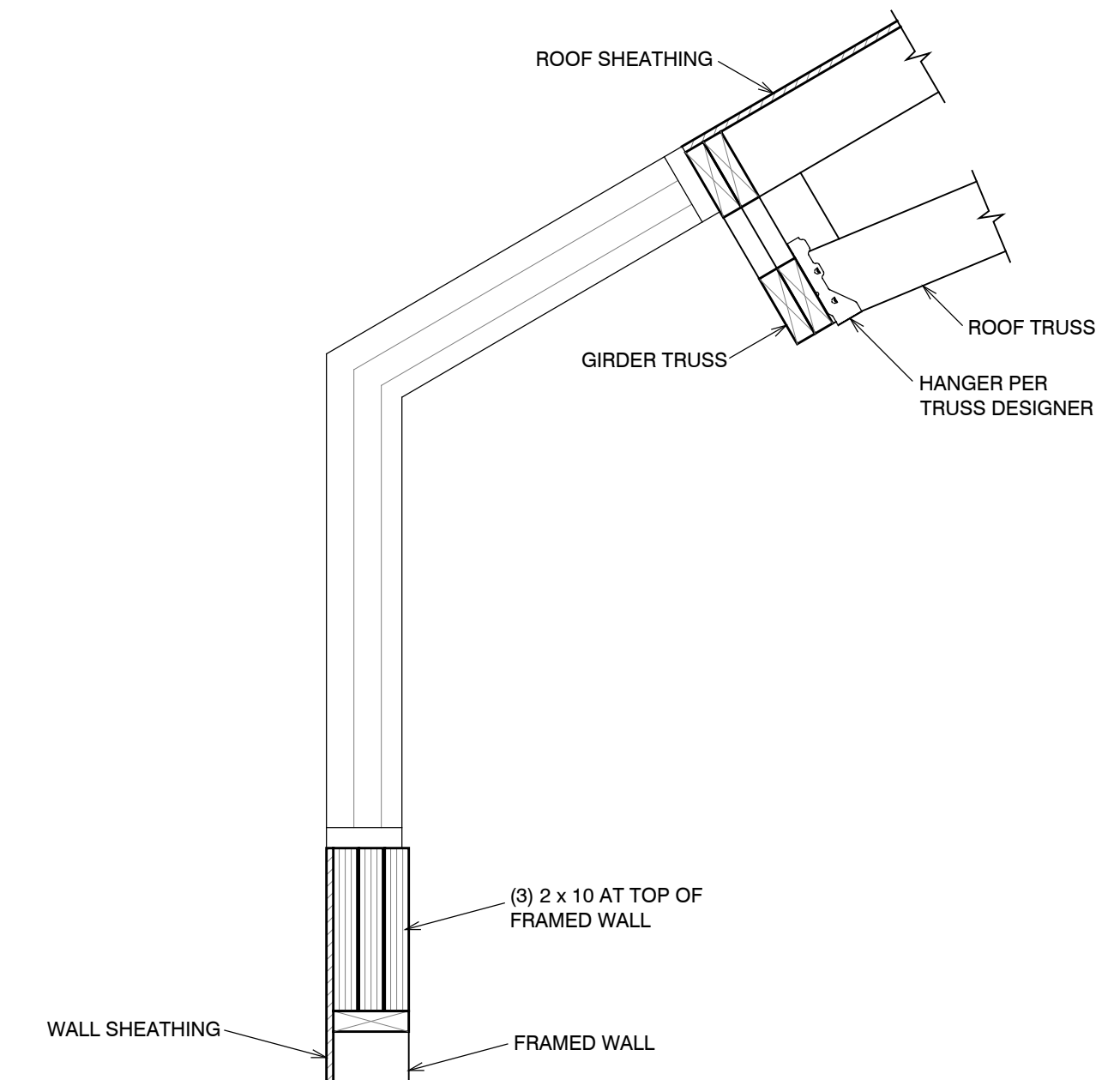
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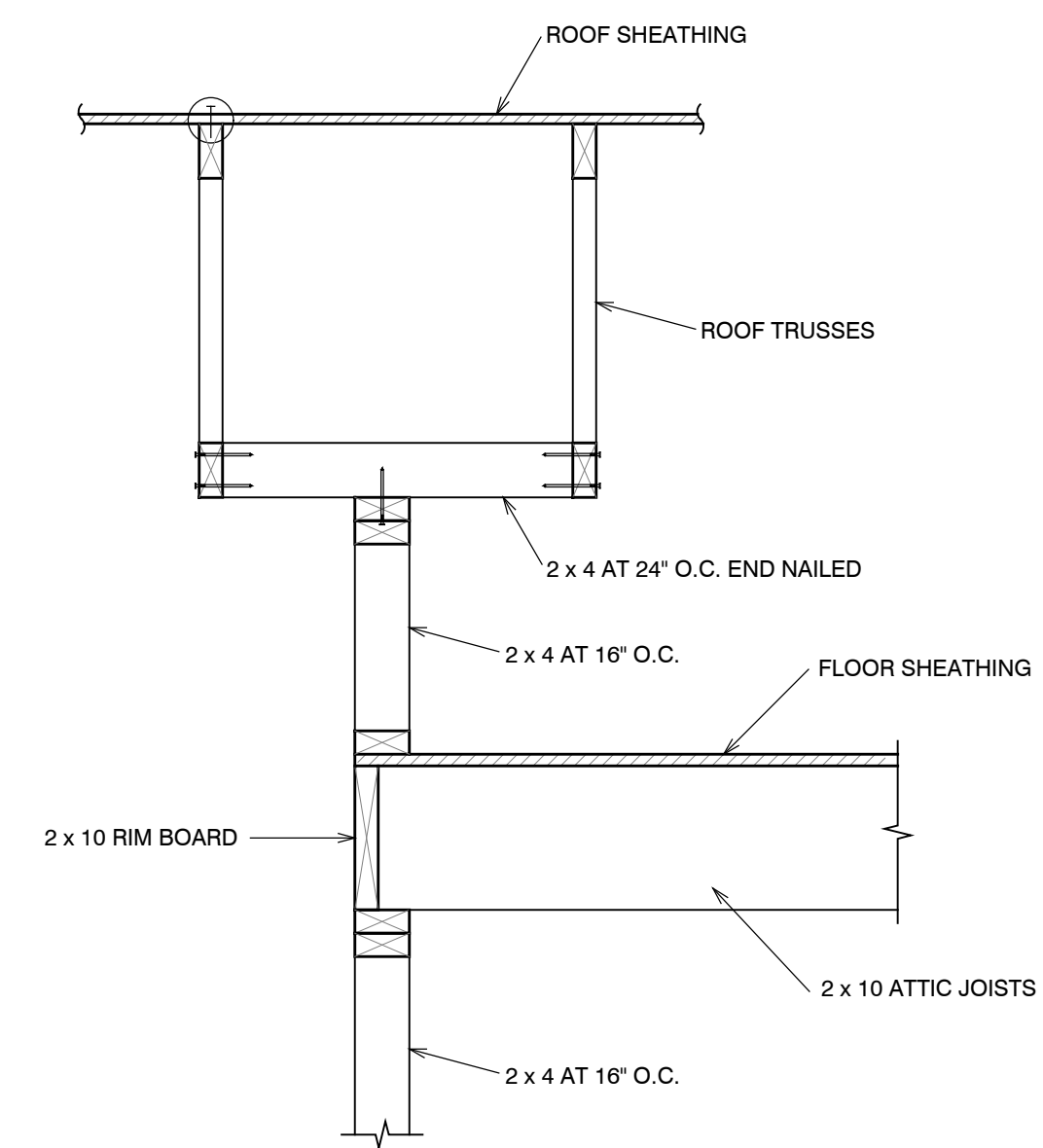
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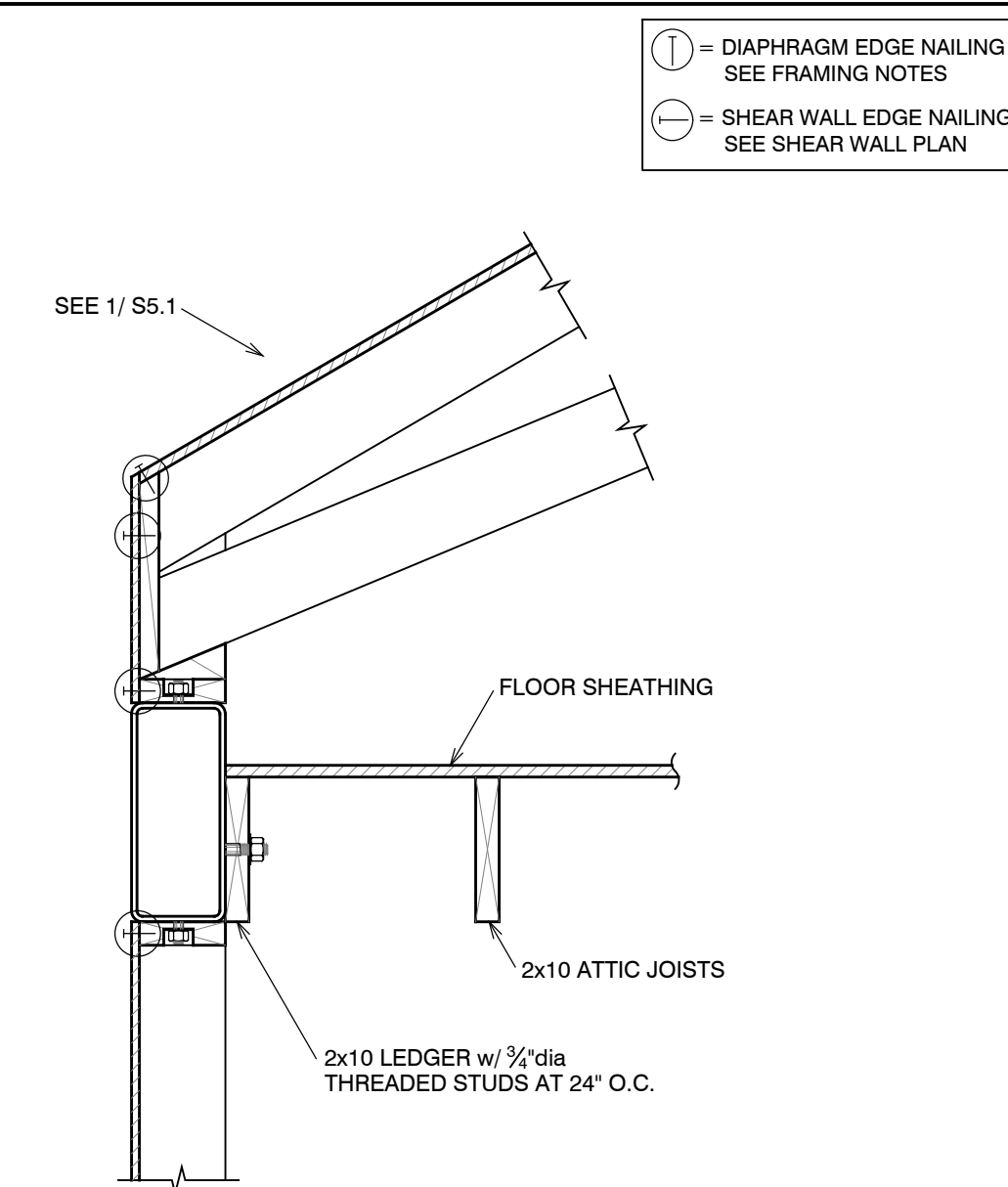
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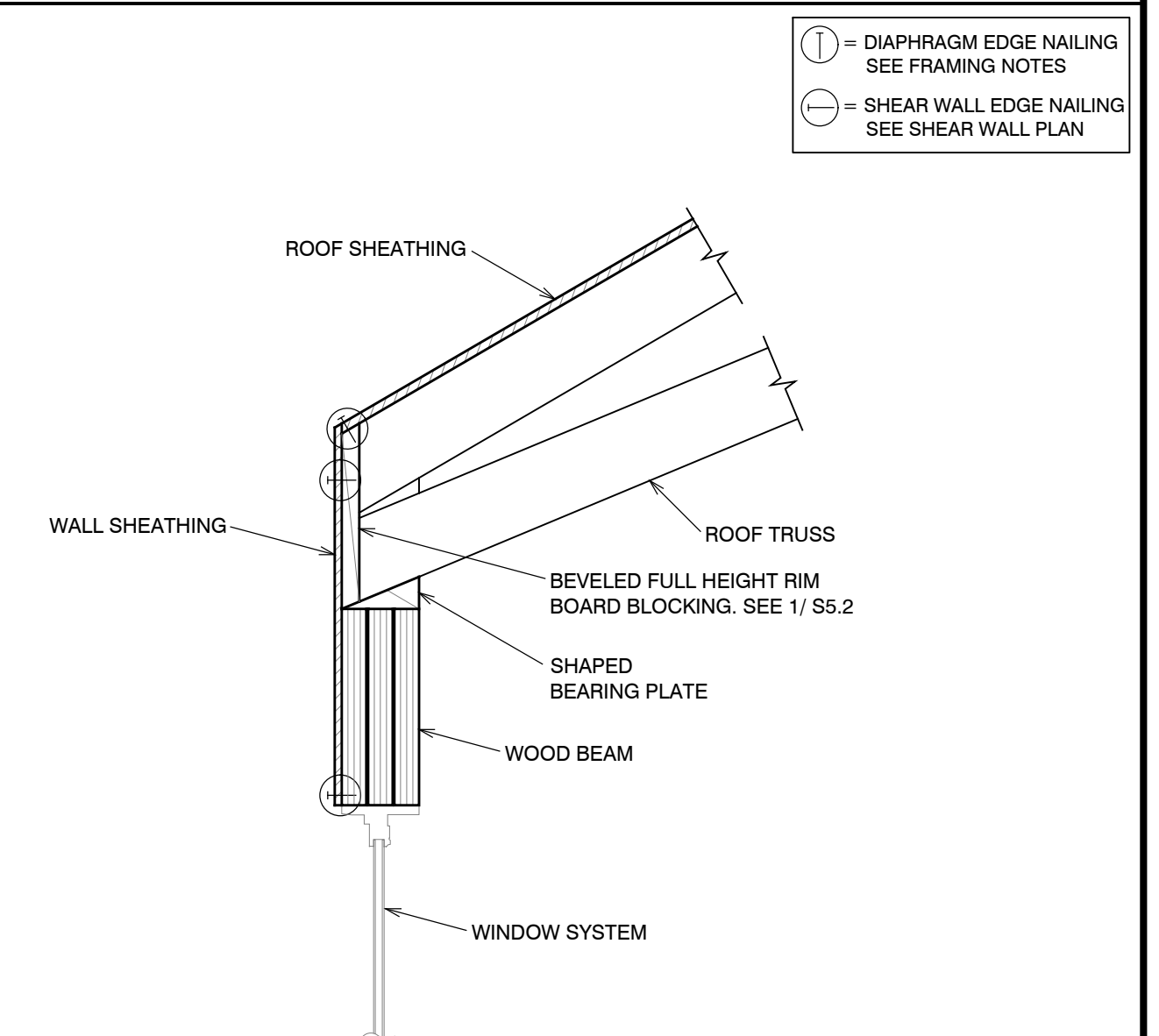
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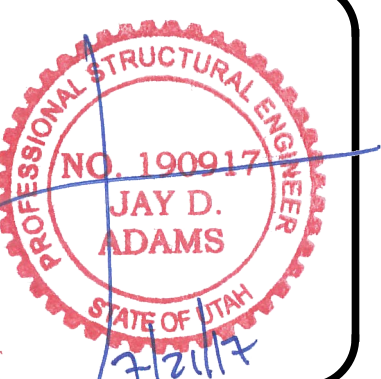


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NO SCALE



3  
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CONSTRUCTION DETAIL  
NO SCALE

Structural Plans for:  
**POWDER MOUNTAIN CABIN 1000**

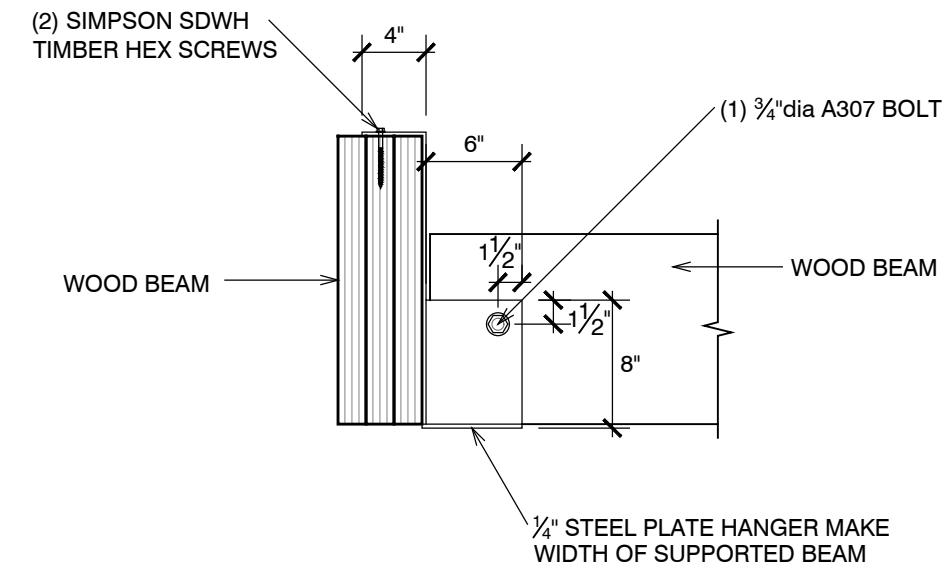


DESIGNED BY:	J.D.A.
CHECKED BY:	J.D.A.
SCALE:	AS SHOWN
DATE:	JULY 21, 2017
JOB No.	17-088

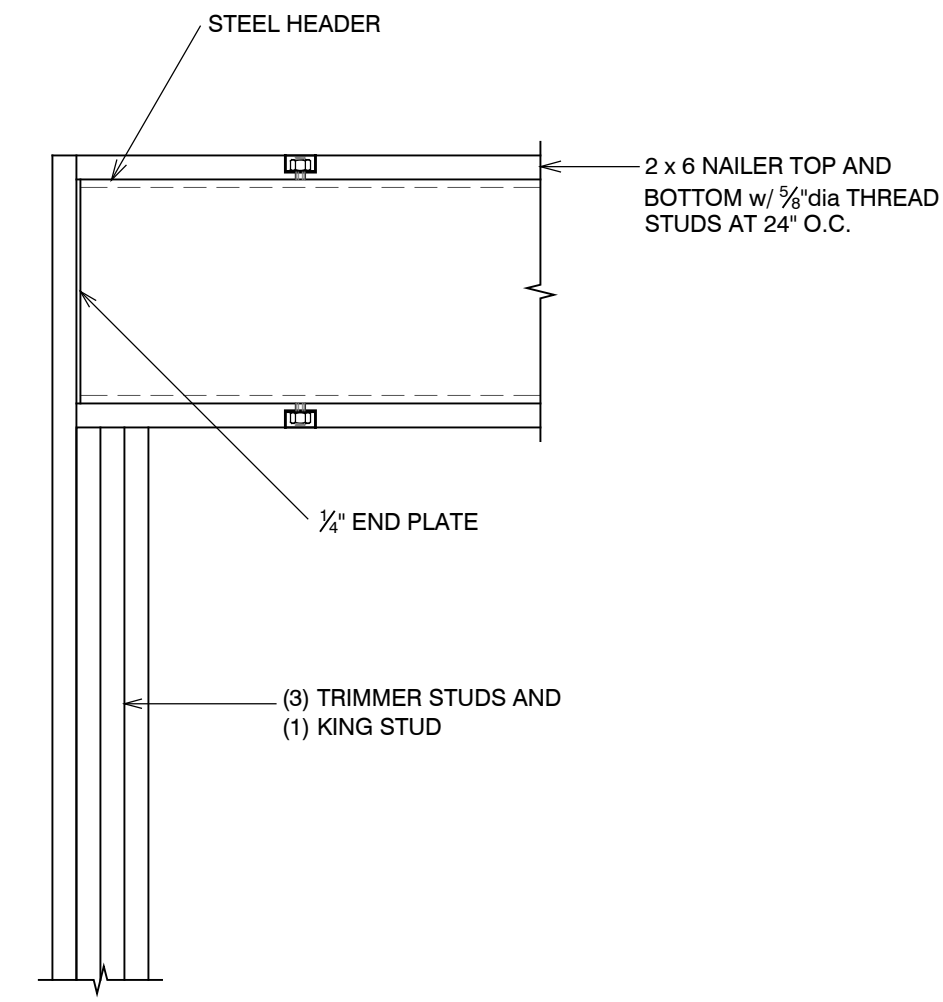
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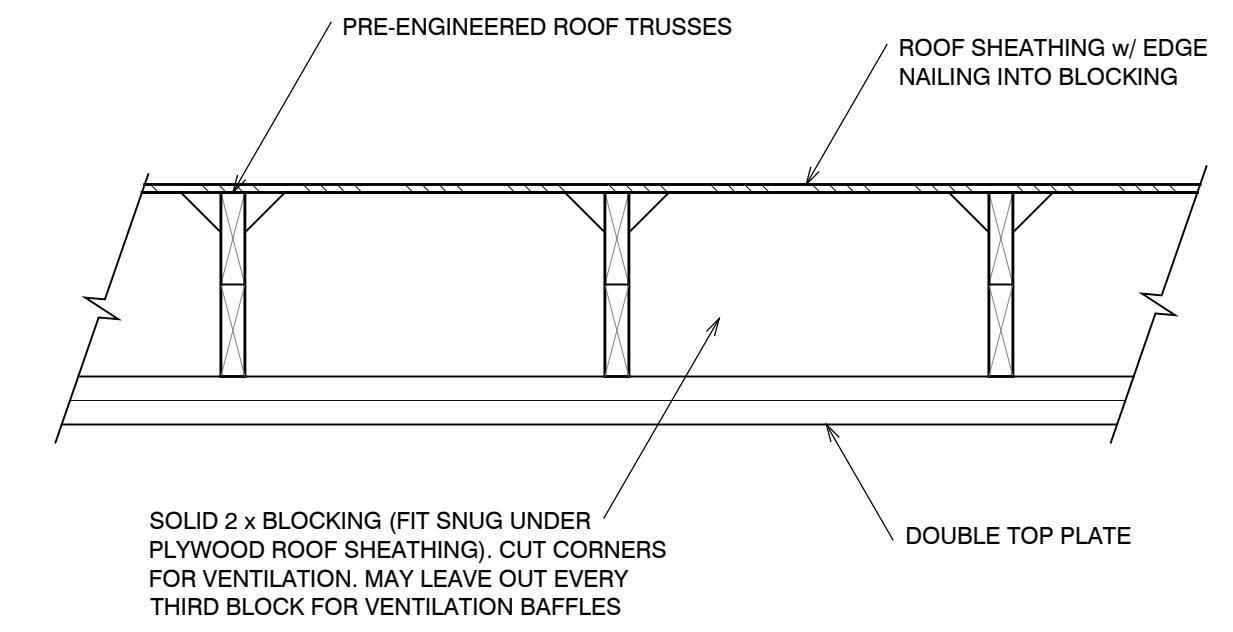
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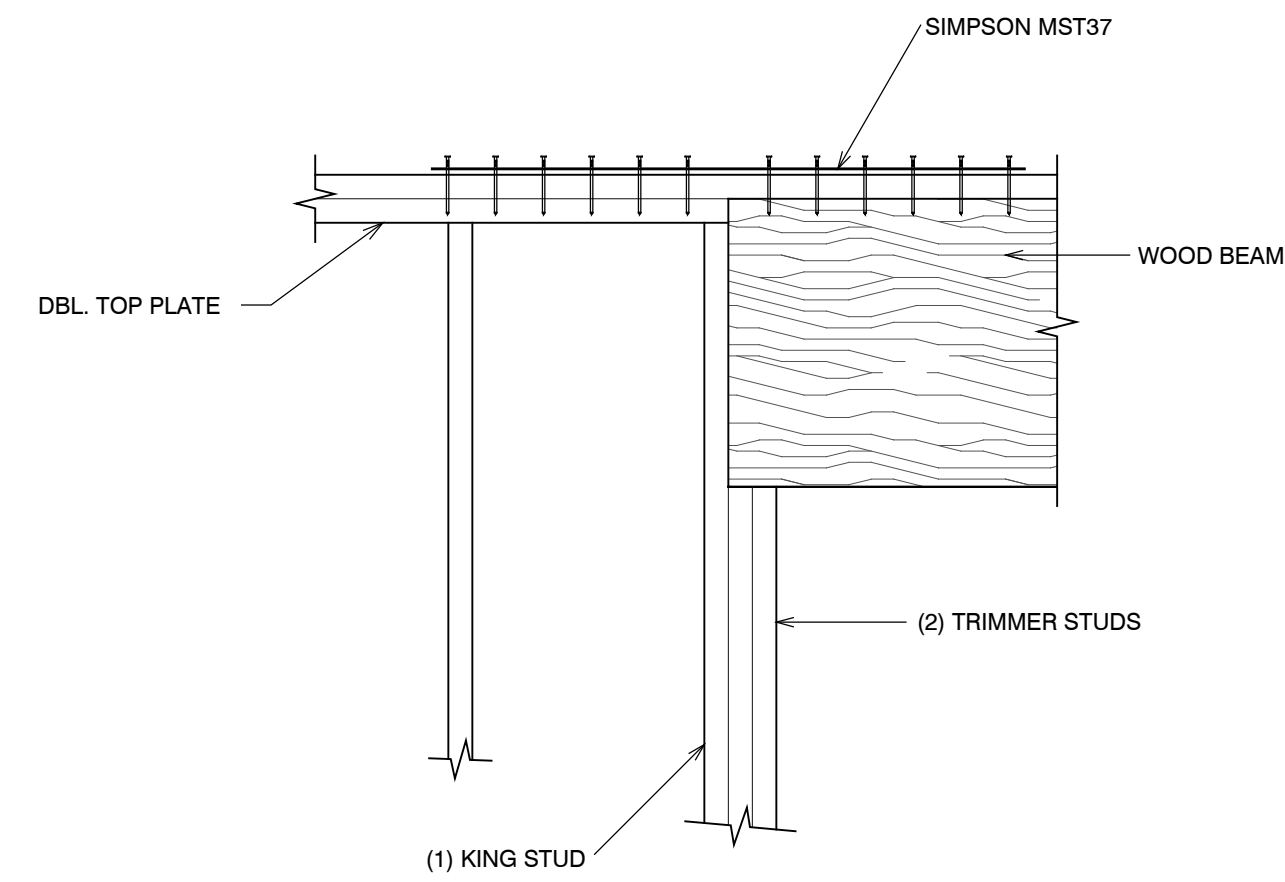
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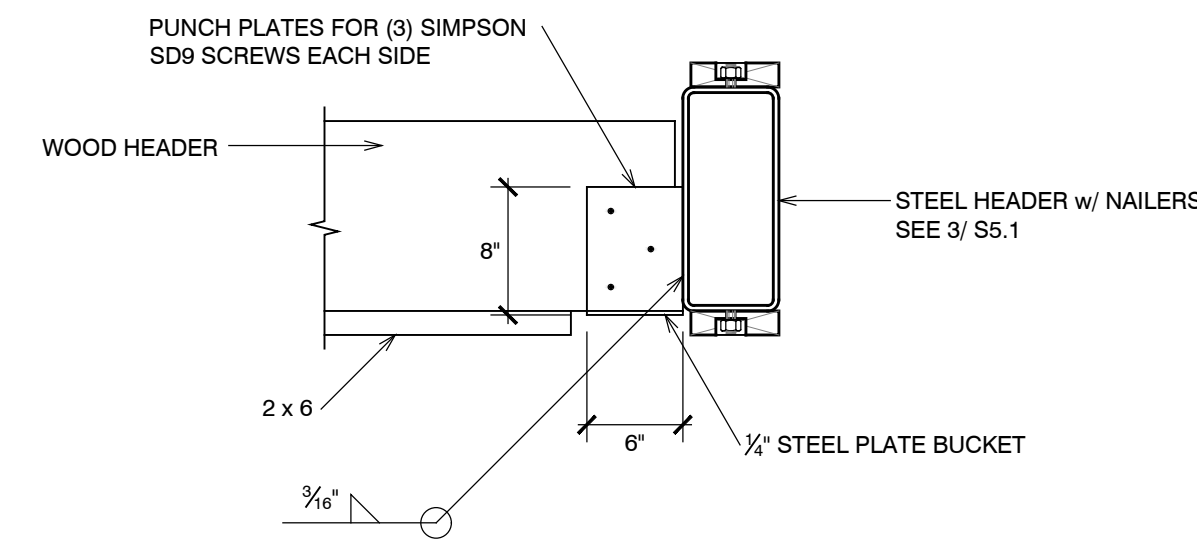
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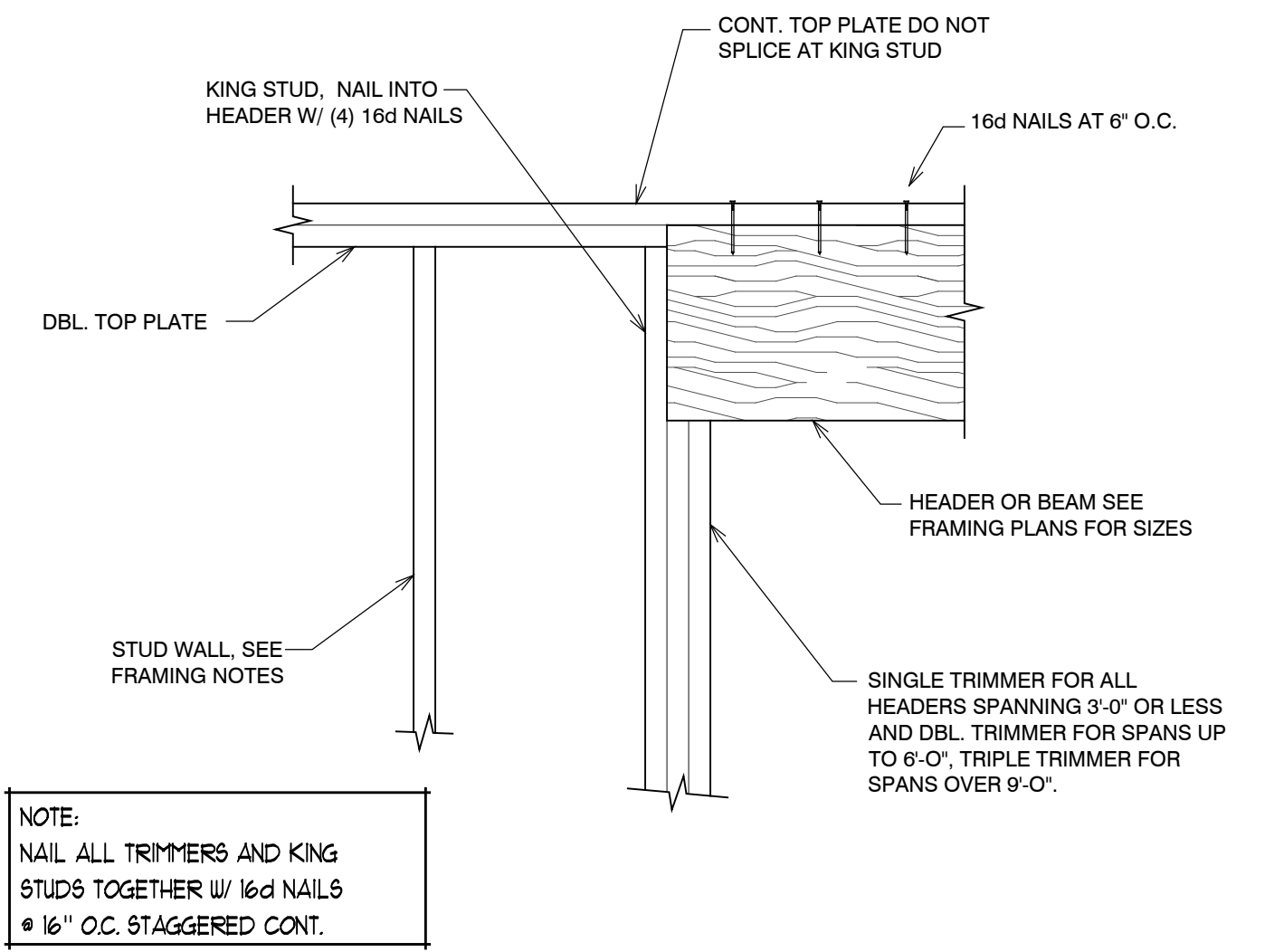
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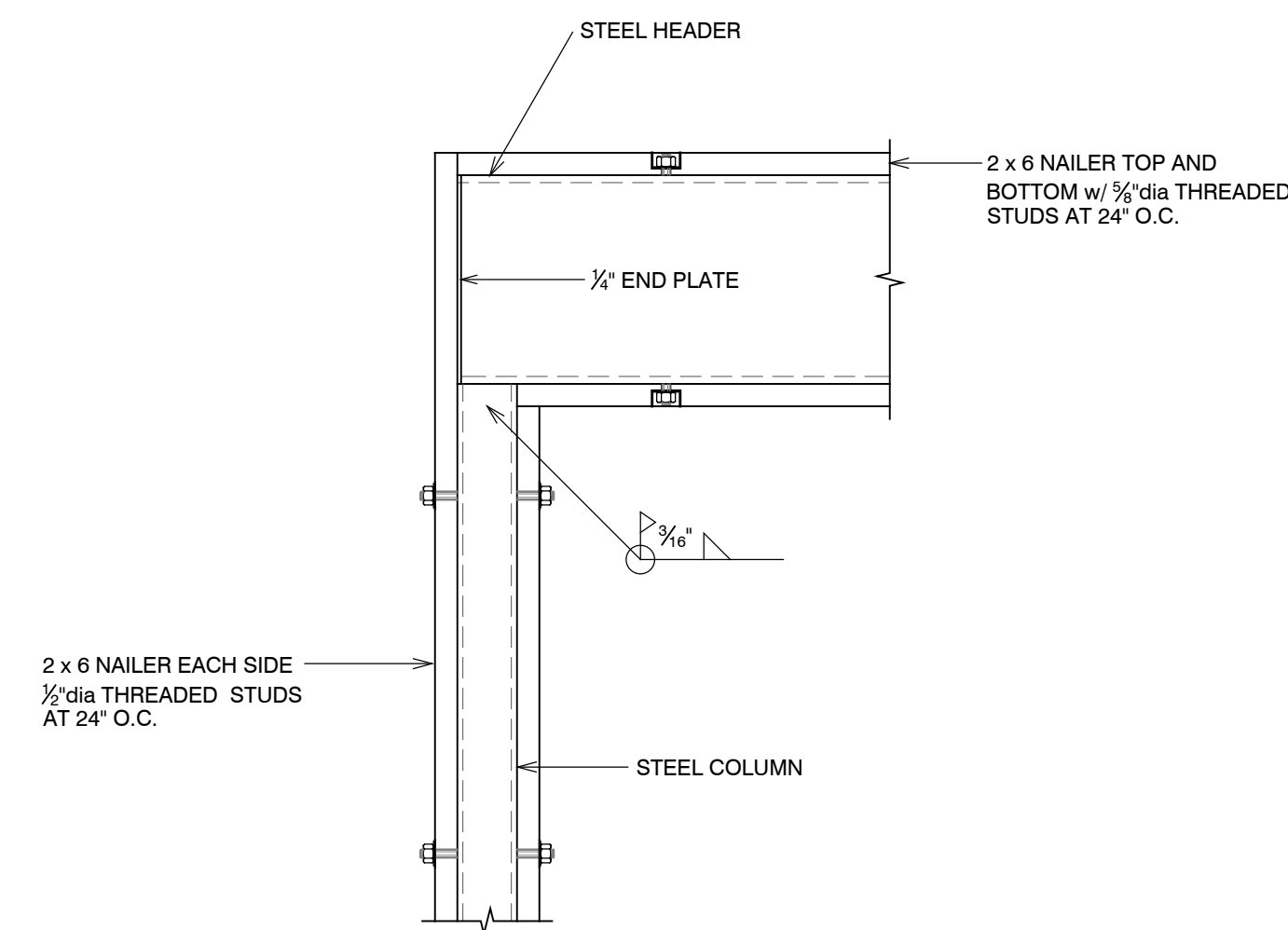
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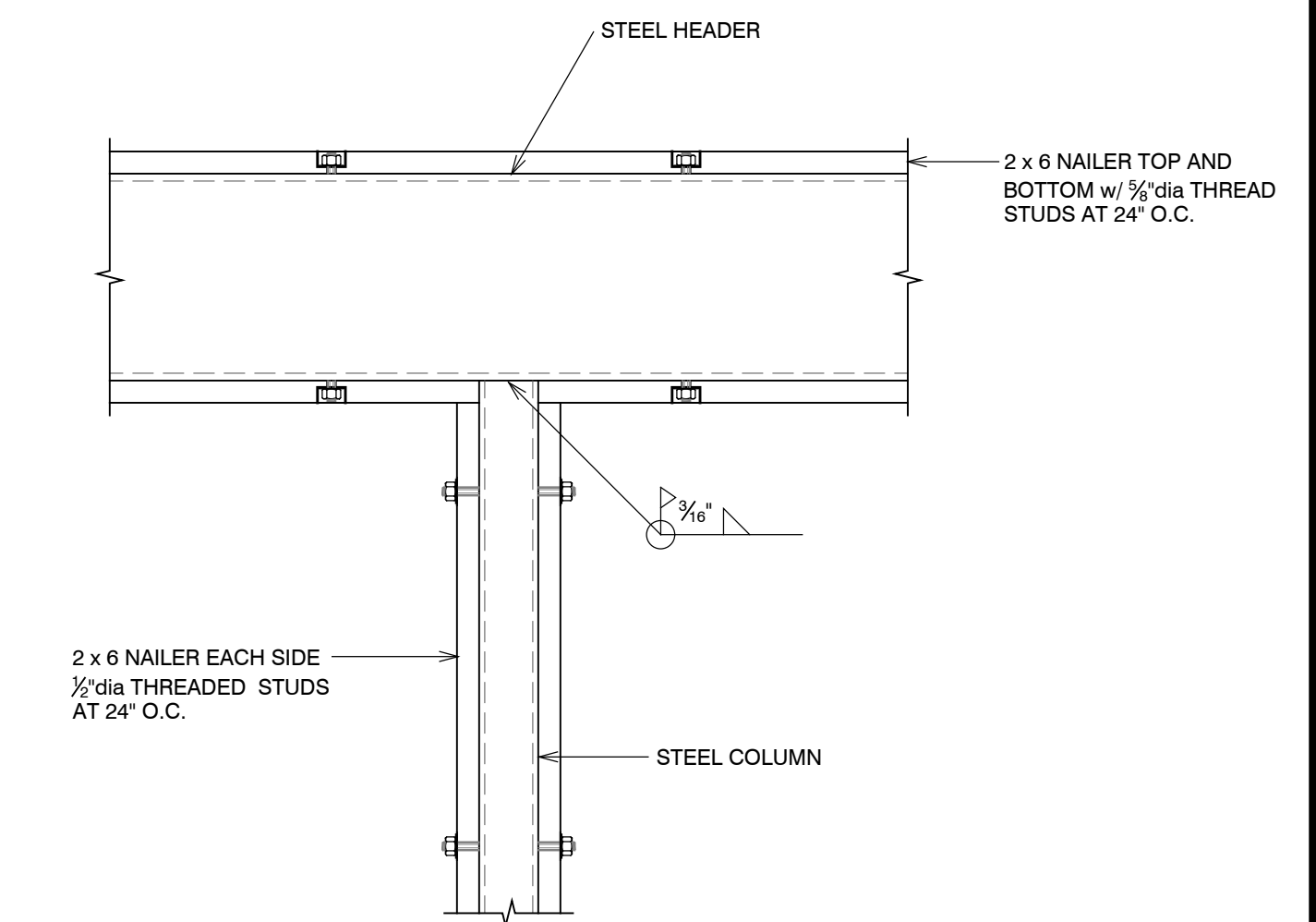
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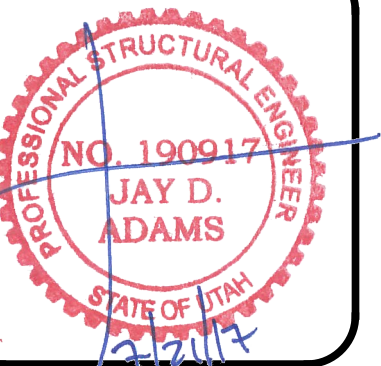
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NO SCALE



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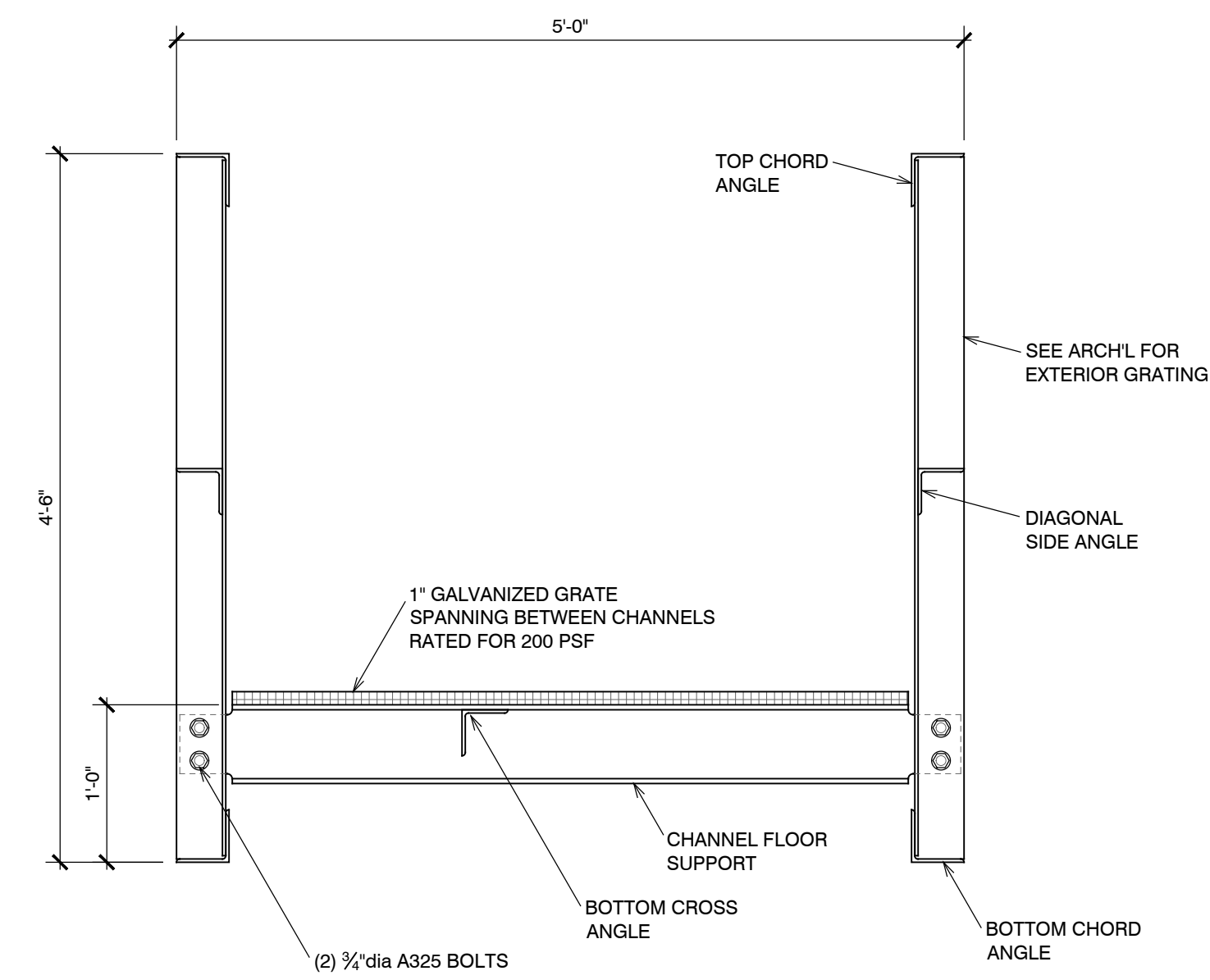
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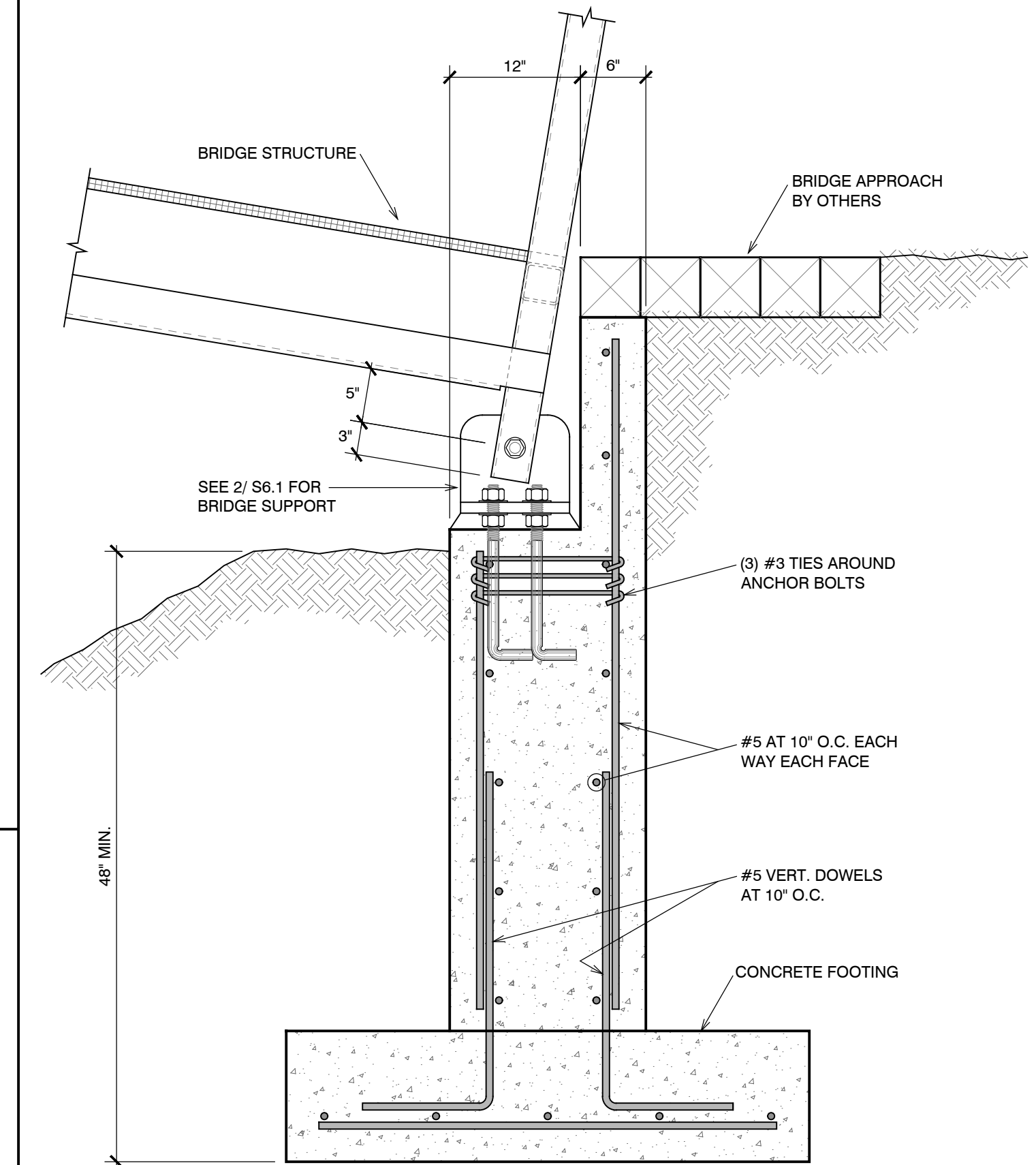
DESIGNED BY: J.D.A.  
CHECKED BY: J.D.A.  
SCALE: AS SHOWN  
DATE: JULY 21, 2017  
JOB No. 17-088

CONSTRUCTION DETAILS

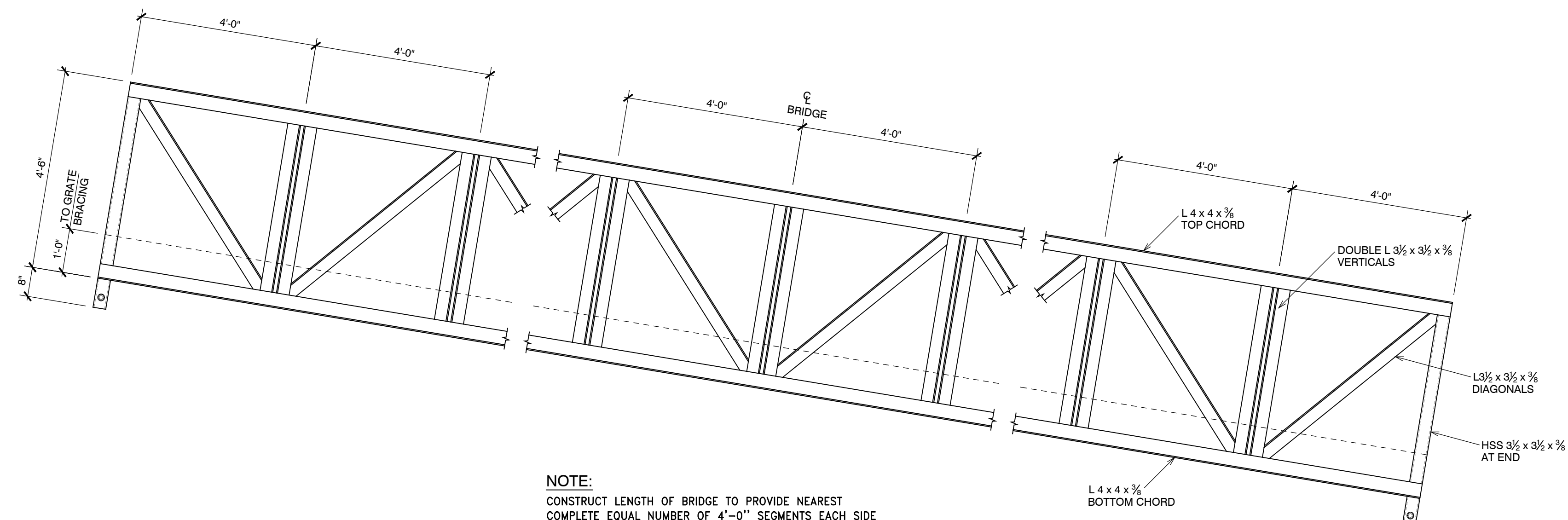
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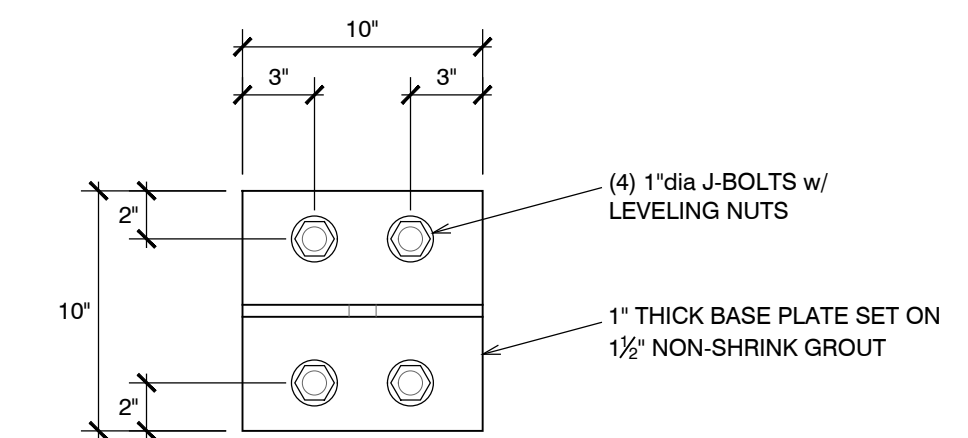
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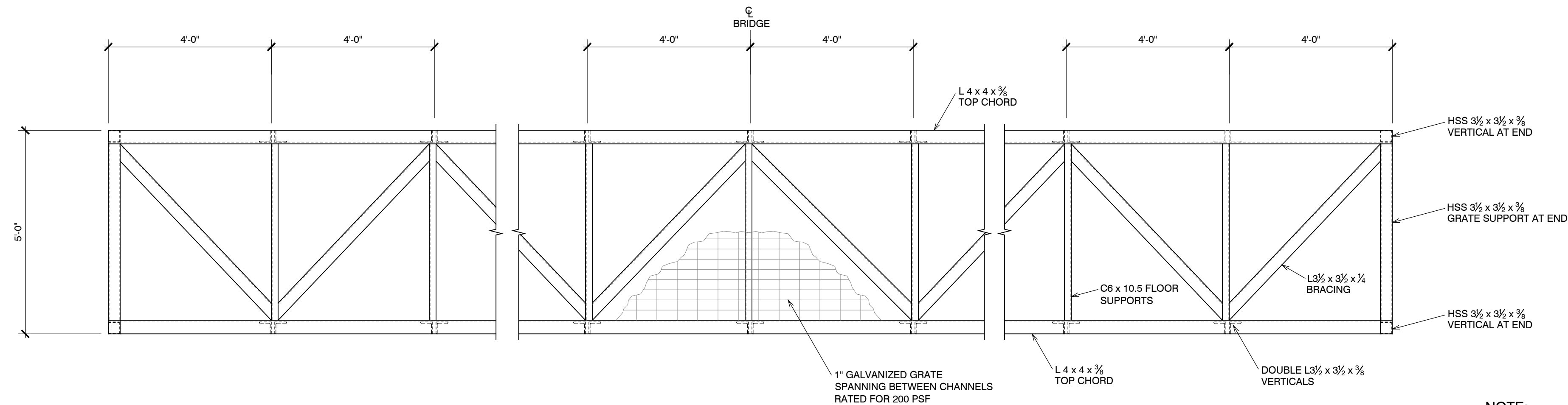
NOTE:  
CONSTRUCT LENGTH OF BRIDGE TO PROVIDE NEAREST COMPLETE EQUAL NUMBER OF 4'-0" SEGMENTS EACH SIDE OF CENTERLINE NOT TO EXCEED 48'-0" OVERALL LENGTH

NOTE:  
ALL CONTACT POINTS TO BE WELDED ALL AROUND WITH 3/16 FILLET WELDS

4 SIDE ELEVATION  
S6.1 NO SCALE

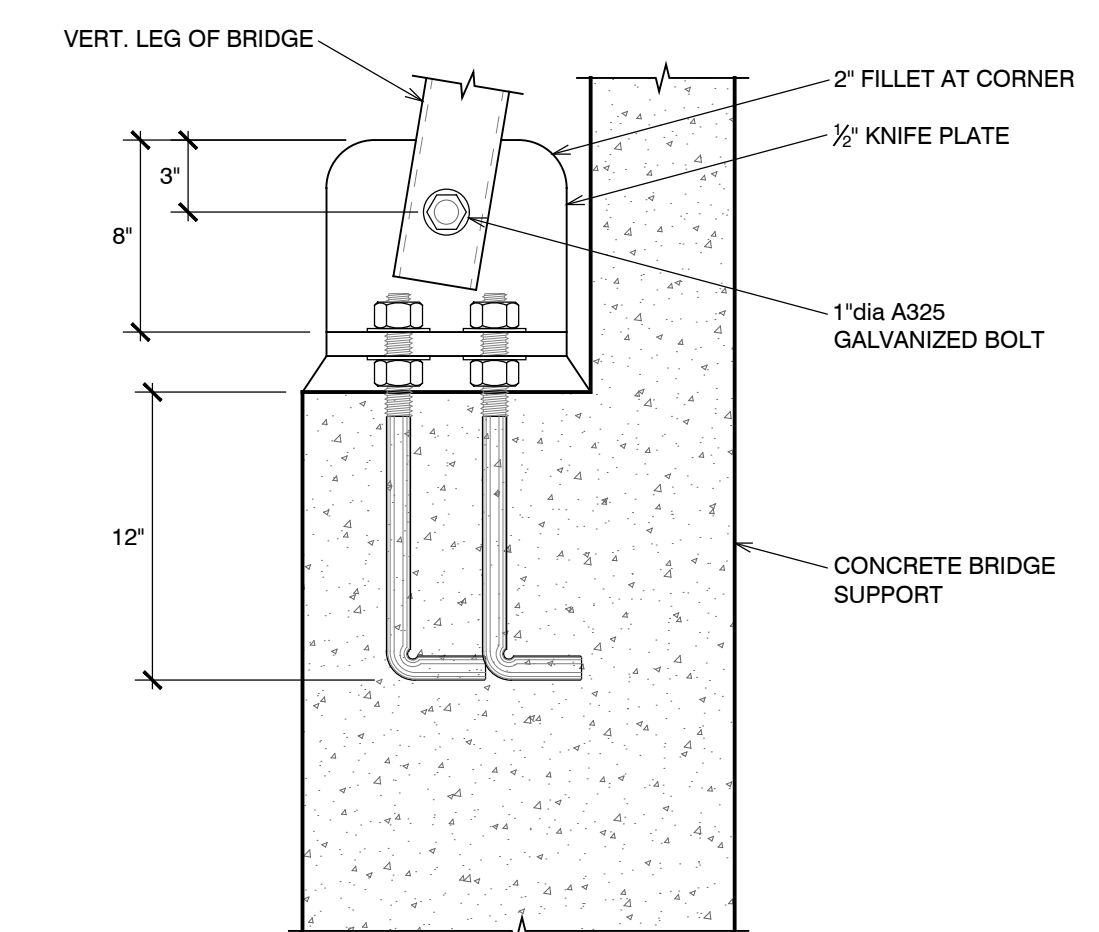


PLAN VIEW



NOTE:  
ALL CONTACT POINTS TO BE WELDED ALL AROUND WITH 3/16 FILLET WELDS

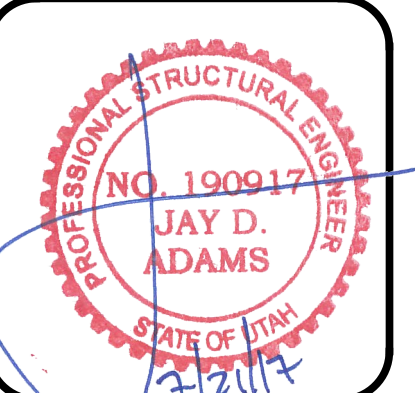
5 PLAN VIEW  
S6.1 NO SCALE



SECTION VIEW

CONSTRUCTION DETAIL  
S6.1 NO SCALE

Structural Plans for:  
**POWDER MOUNTAIN CABIN 1000**



DESIGNED BY:	J.D.A.
CHECKED BY:	J.D.A.
SCALE:	AS SHOWN
DATE:	JULY 21, 2017
JOB No.	17-088

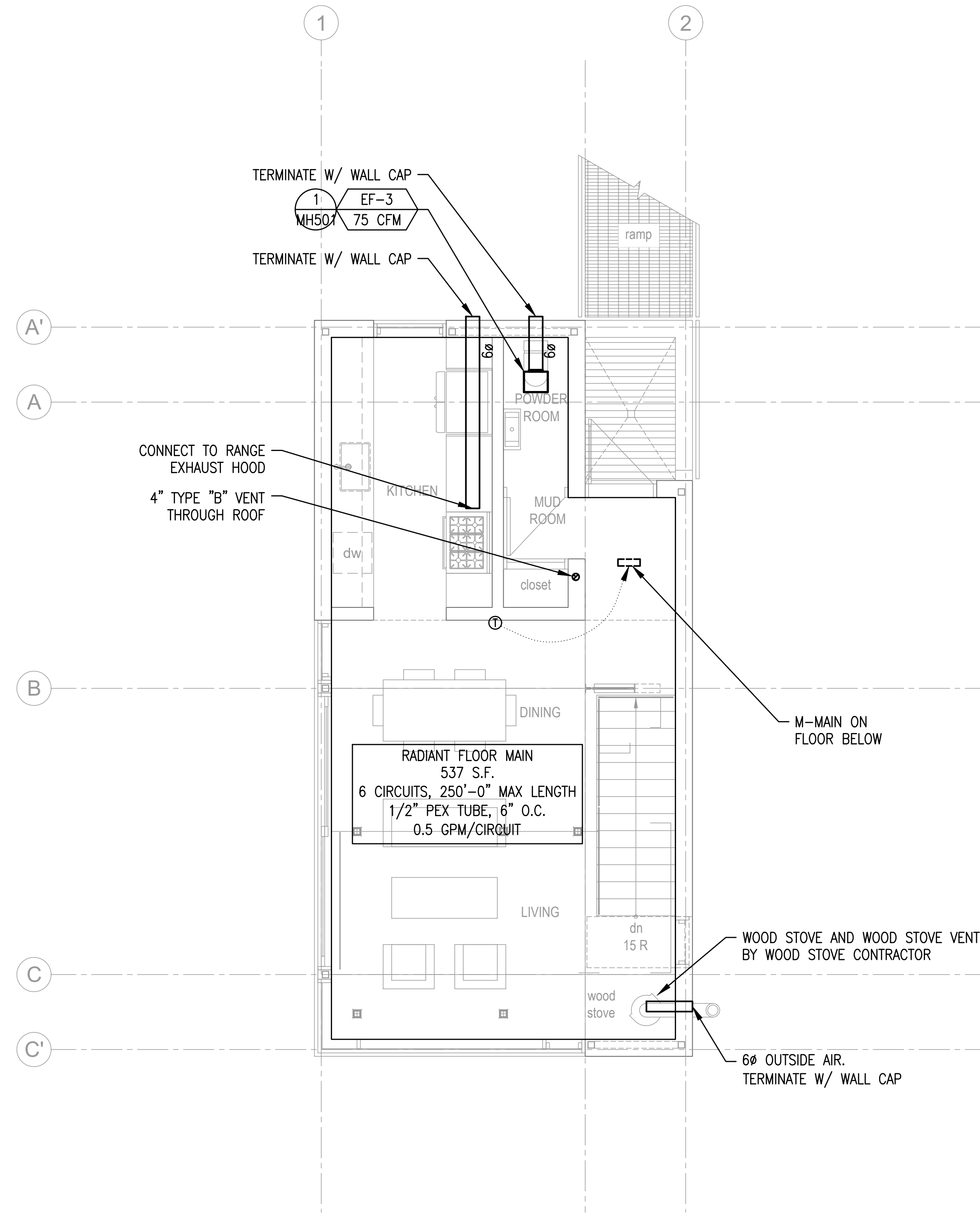
CONSTRUCTION DETAILS

SHEET No.  
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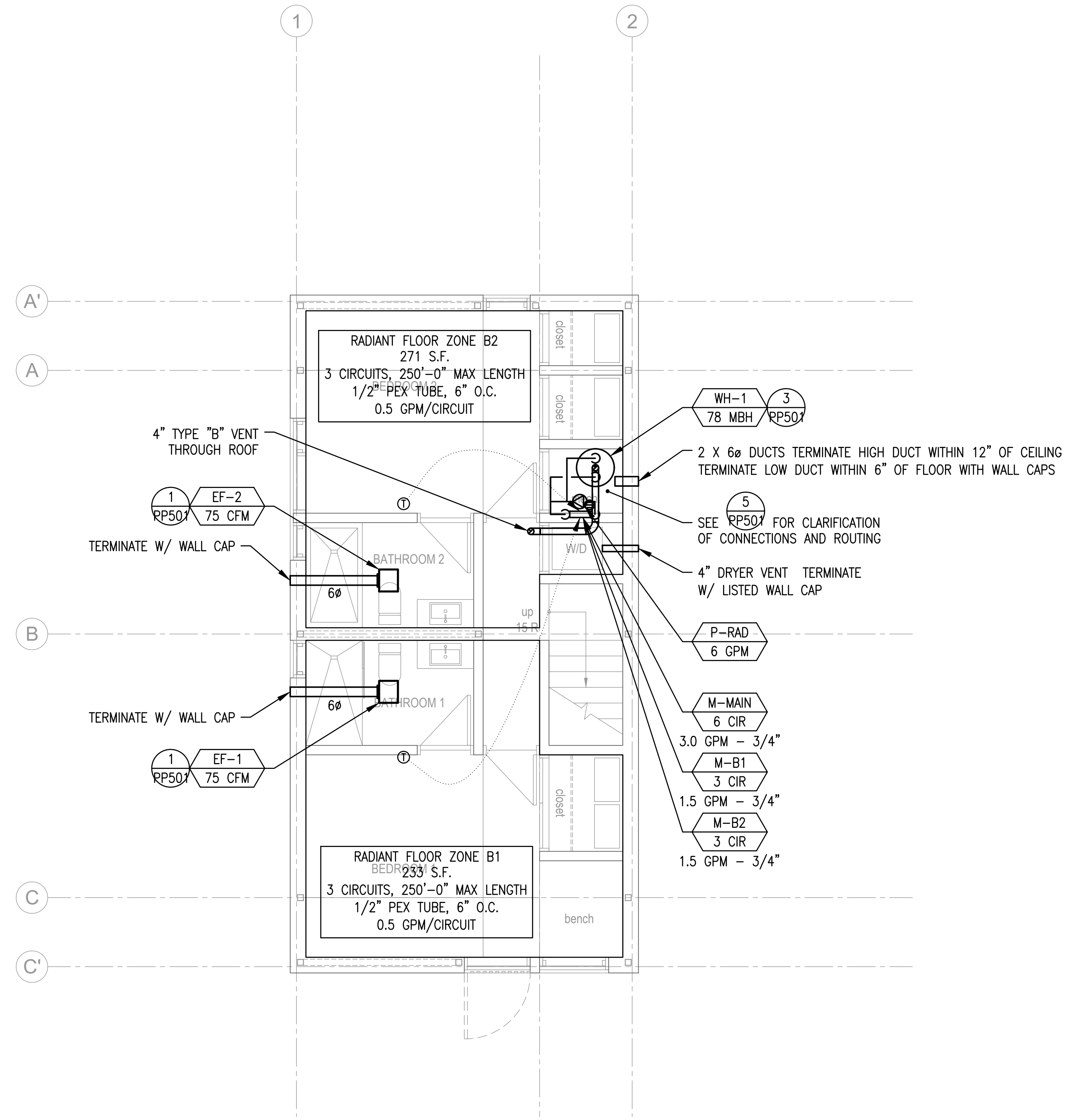
PERMIT SET



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**2** 1000 SF - MECHANICAL MAIN FLOOR PLAN  
MH101  
SCALE: 1/4" = 1'-0"  
BUILDINGS 13, 16, 19, 26, 27



**1** 1000 SF - MECHANICAL LOWER FLOOR PLAN  
MH101  
SCALE: 1/4" = 1'-0"  
BUILDINGS 13, 16, 19, 26, 27

Horizon Neighborhood CABINS

778 E. Horizon Run  
Summit Powder Mountain  
Eden, Utah

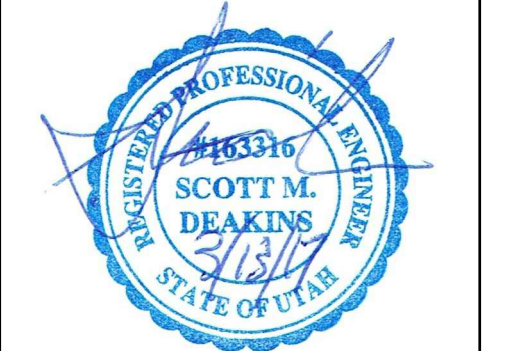
MackKay-Lyons  
Sweetapple  
Architects  
Limited

2188 Gorington St.  
Halifax, Nova Scotia  
Canada B3K 3B4

ph: (902) 429 1867  
fax: (902) 429 6276

**mss**  
Mechanical Service & Systems, Inc.  
1055 South 700 West  
Salt Lake City, UT 84104  
801-255-9333

**SMD ENGINEERING, PLLC**  
Engineered Mechanical Solutions™  
986 WEST AHERTON DRIVE, SUITE 200  
TAYLORSVILLE, UTAH 84123  
(801) 268-3828, FAX (801) 268-3297  
WWW.SMDEENGINEERING.COM



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#	XXXX##	
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#	XXXX##	
#	XXXX##	
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#	XXXX##	
#	XXXX##	
#	XXXX##	
No.	Description	Date
Revision:		

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**ENGINEER'S REQUIREMENTS AND APPROVALS:**  
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**DIMENSIONS:**  
All dimensions must be verified on site. Do not scale off drawings. Plans take precedent over elevations. In the absence of dimensions, or if discrepancies exist, consult Architect. All minimum dimensions are to comply with the National Building Code of Canada.

**SHOP DRAWINGS:**  
Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements of the building.

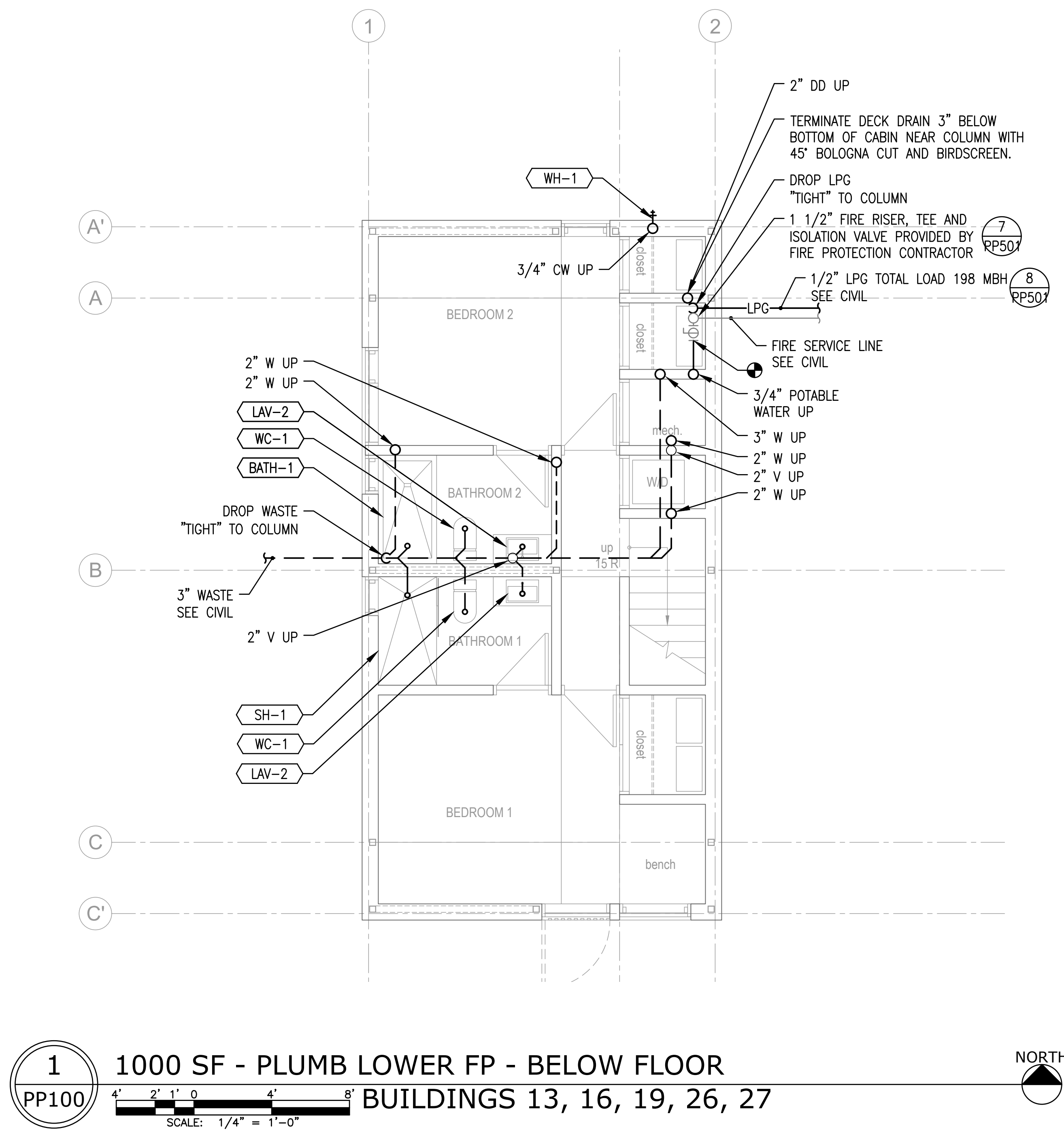
**PERMIT SET - MARCH 13, 2017**

**MECHANICAL FLOOR PLANS**

scale: AS NOTED  
date: 03/13/2017  
drawn: STAFF  
chk'd: SMD

**MH101**

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**1** 1000 SF - PLUMB LOWER FP - BELOW FLOOR  
 PP100 NORTH

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

Horizon Neighborhood  
CABINS

778 E. Horizon Run  
Summit Powder Mountain  
Evan, Utah

MacKay-Lyons  
Sweetapple  
Architects  
Limited

2188 Gorington St.  
Halifax, Nova Scotia  
Canada B3K 3B4

ph: (902) 429 1867  
fax: (902) 429 6276

**mss**  
Mechanical Service & Systems, Inc.  
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801-255-9333

**SMD**  
ENGINEERING, PLLC  
"Engineered Mechanical Solutions"  
986 WEST AHERTON DRIVE, SUITE 200  
TAYLORSVILLE, UTAH 84123  
(801) 268-3828, FAX: (801) 268-3297  
WWW.SMDENGINEERING.COM

REGISTERED PROFESSIONAL ENGINEER  
2463516  
SCOTT M. DEAKINS  
STATE OF UTAH

#		#####
#		#####
#		#####
#		#####
#		#####
#		#####
#		#####
#		#####
#		#####
#		#####
No.	Description	Date
Revision:		

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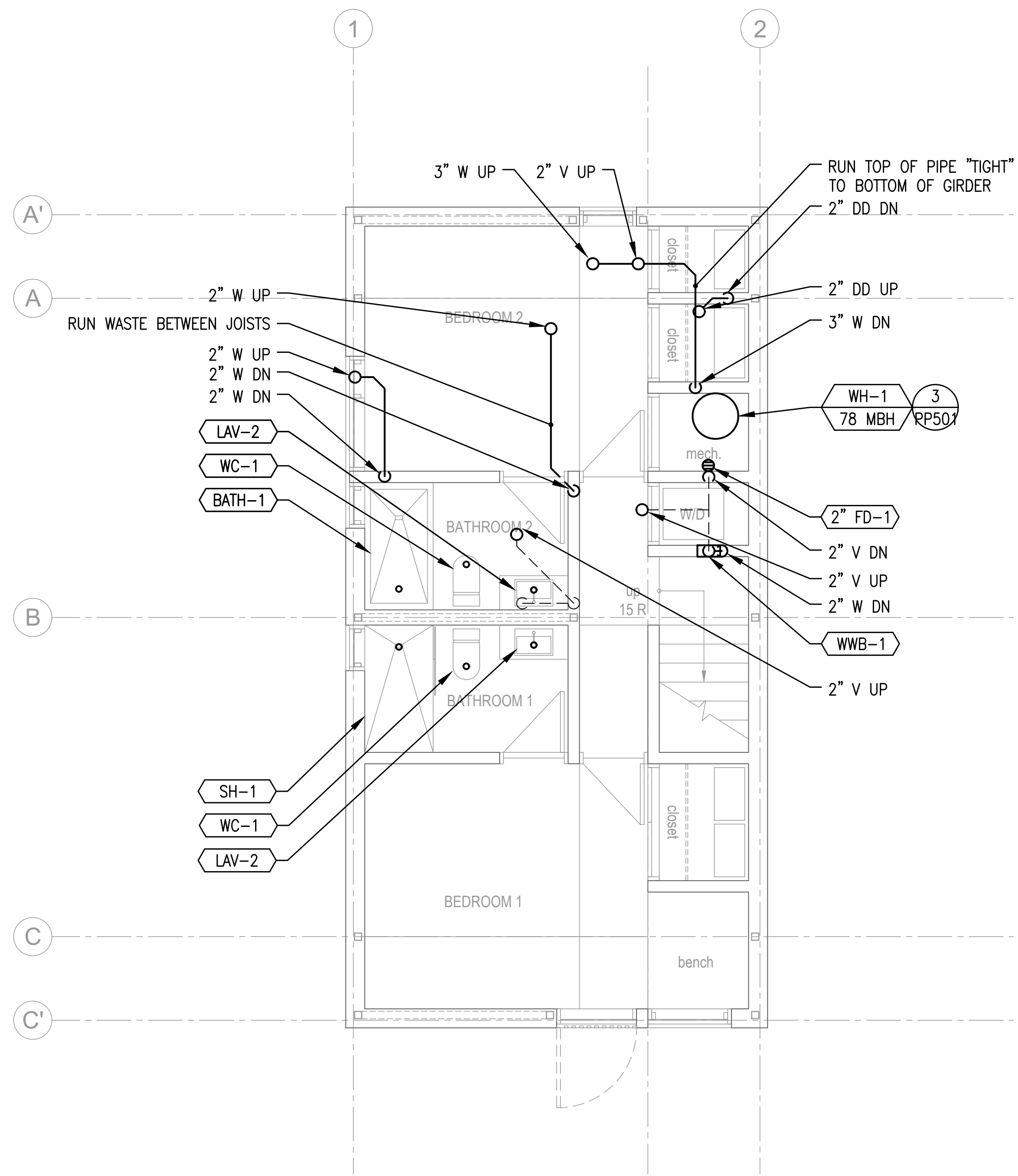
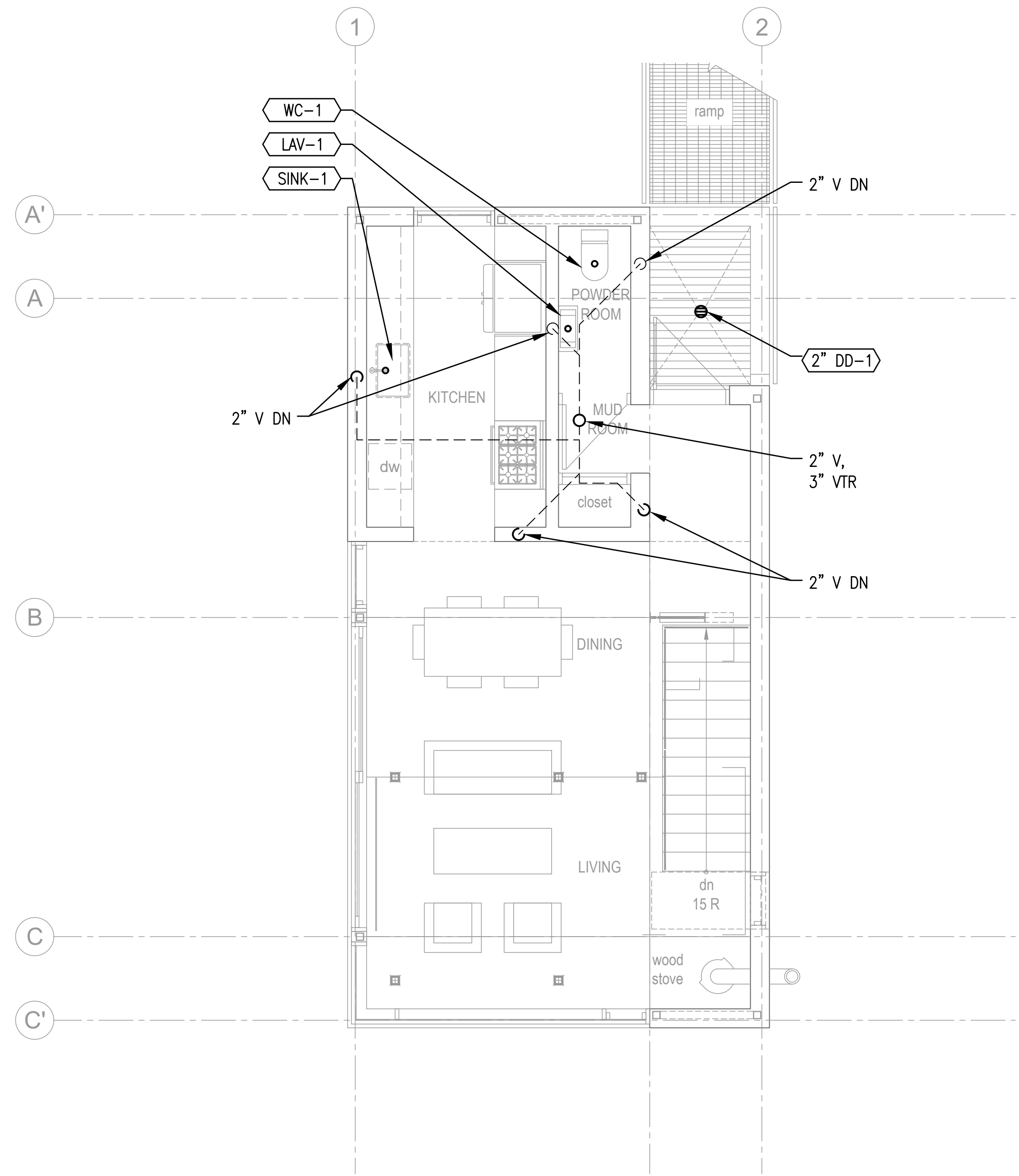
**PERMIT SET - MARCH 13, 2017**

**PLUMBING  
LOWER  
FLOOR PLAN -  
BELOW  
FLOOR**

scale: AS NOTED  
date: 03/13/2017  
drawn: STAFF  
chk'd: SMD

**PP100**

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2 1000 SF - PLUMBING MAIN FLOOR PLAN - WASTE AND VENT  
PP101 4' 2' 1' 0' 4' 8' BUILDINGS 13, 16, 19, 26, 27  
SCALE: 1/4" = 1'-0"

1 1000 SF - PLUMB LOWER FP - ABOVE FLOOR - WASTE AND VENT  
PP101 4' 2' 1' 0' 4' 8' BUILDINGS 13, 16, 19, 26, 27  
SCALE: 1/4" = 1'-0"

Horizon Neighborhood CABINS

778 E. Horizon Run  
Summit Powder Mountain  
Evan, Utah

MackKay-Lyons  
Sweetapple  
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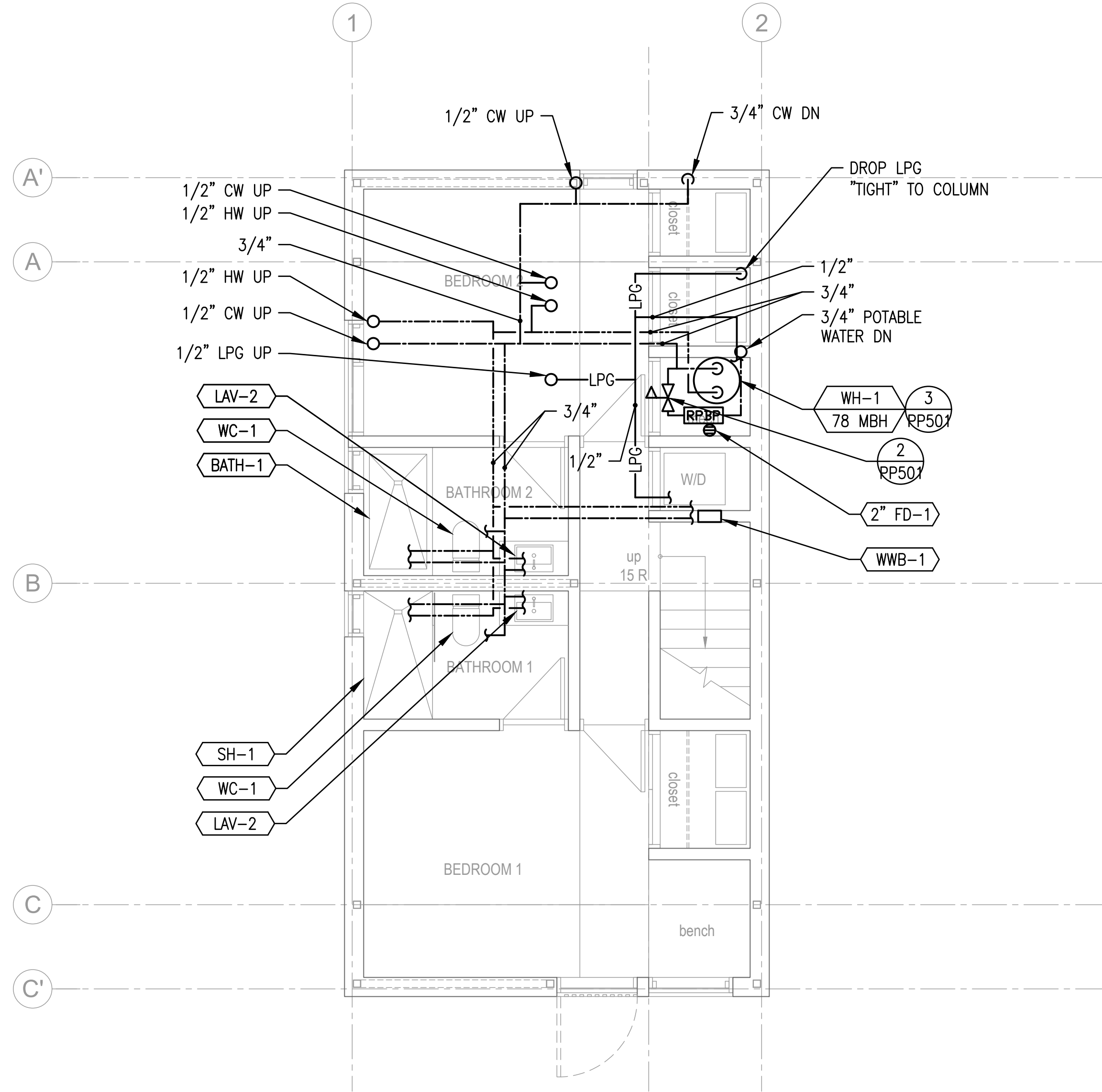
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PERMIT SET - MARCH 13, 2017

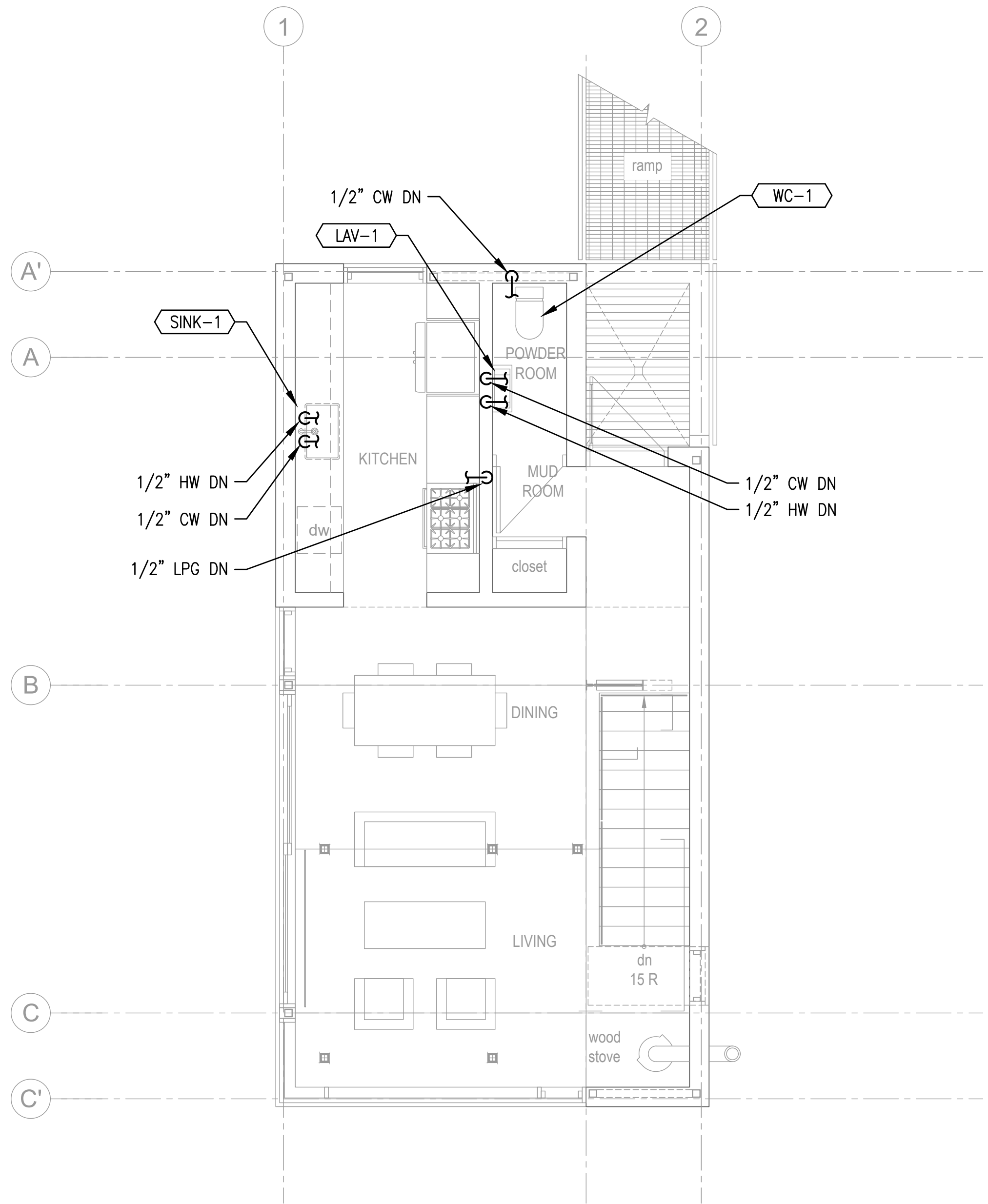
**PLUMBING FLOOR PLANS - WASTE AND VENT**

scale: AS NOTED  
date: 03/13/2017  
drawn: STAFF  
chk'd: SMD

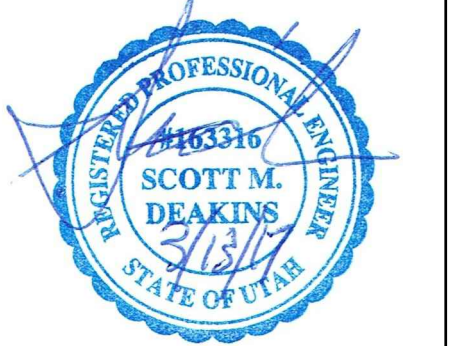
**PP101**



**1** 1000 SF - PLUMBING LOWER FLOOR PLAN - DOMESTIC NORTH  
 PP102 SCALE: 1/4" = 1'-0" BUILDINGS 13, 16, 19, 26, 27



**2** 1000 SF - PLUMBING MAIN FLOOR PLAN - DOMESTIC NORTH  
 PP102 SCALE: 1/4" = 1'-0" BUILDINGS 13, 16, 19, 26, 27



No.	Description	Date

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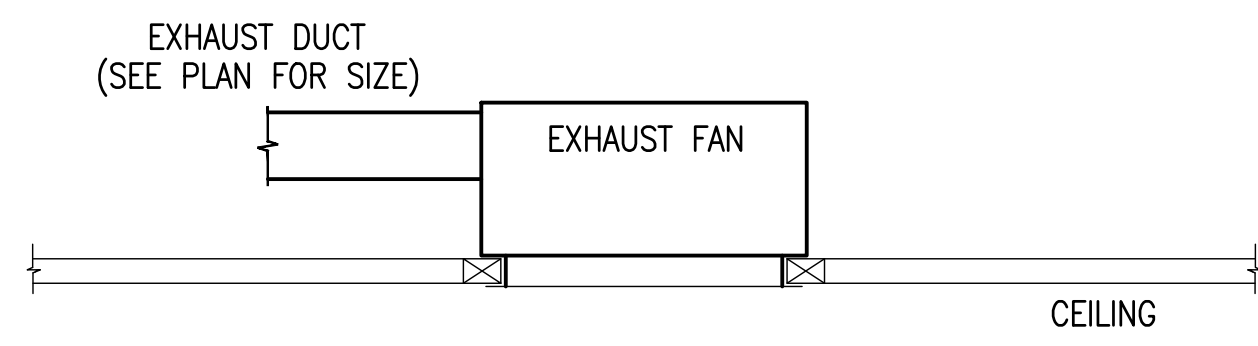
**PLUMBING  
 FLOOR PLANS  
 - DOMESTIC**

scale: AS NOTED  
 date: 03/13/2017  
 drawn: STAFF  
 chkd: SMD

**PP102**

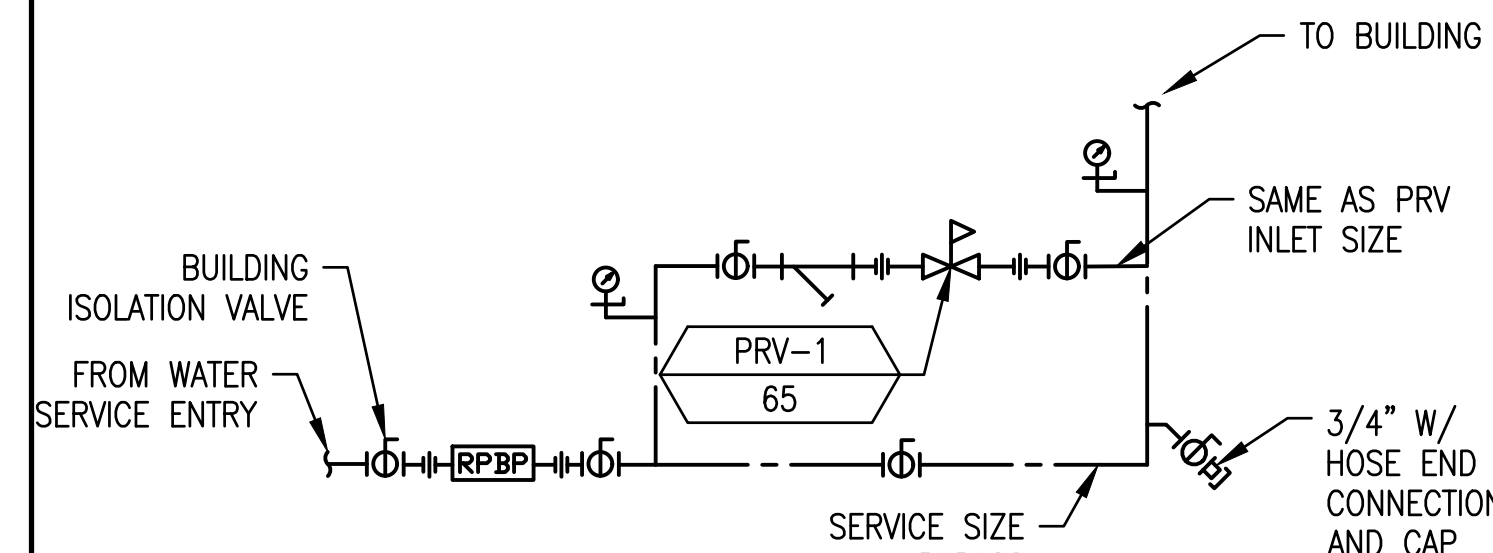


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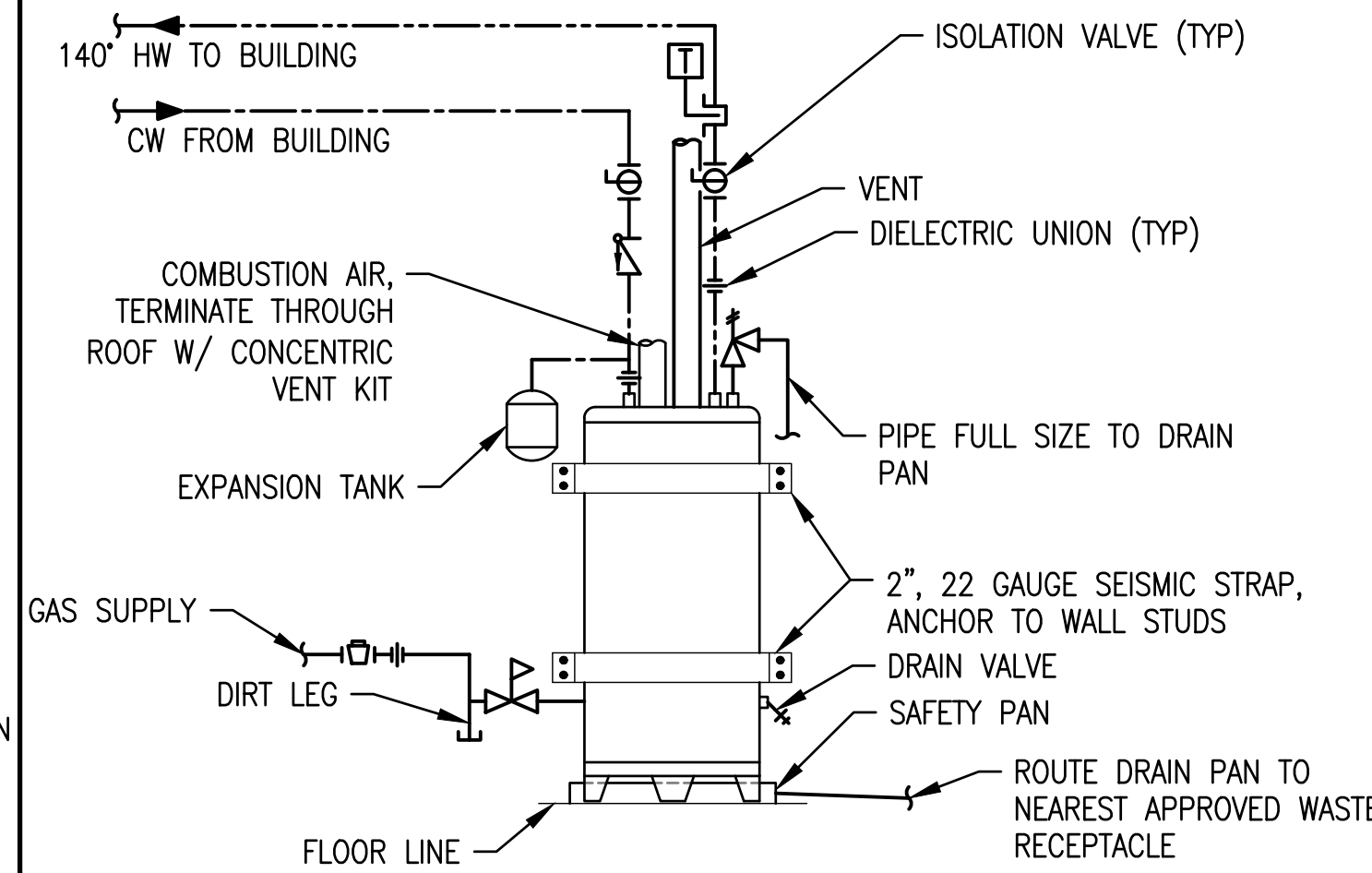
1 CEILING EXHAUST FAN

PP507



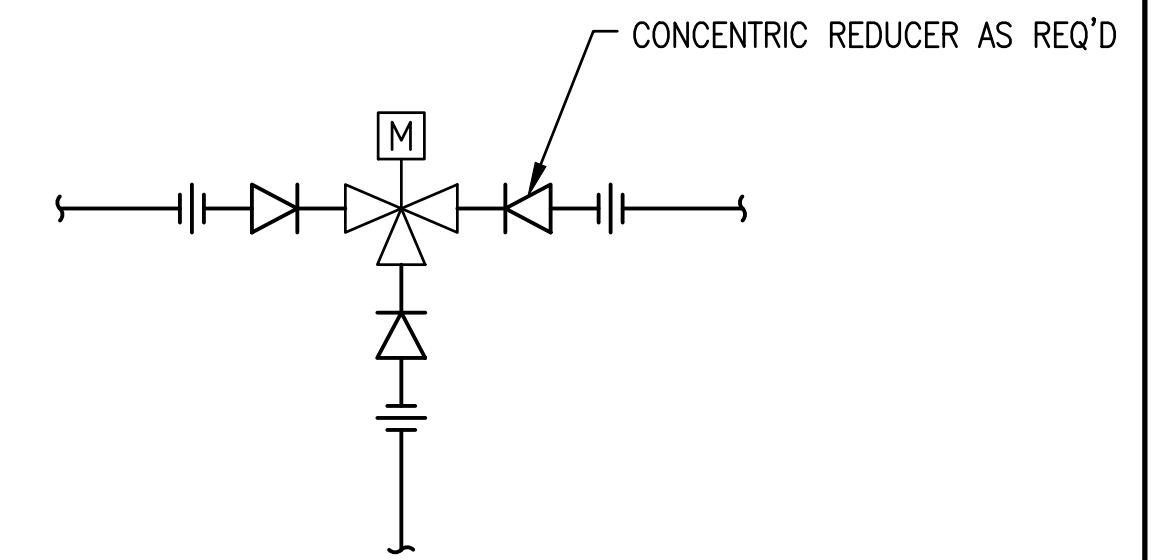
2 PRESSURE REDUCING STATION

PP507



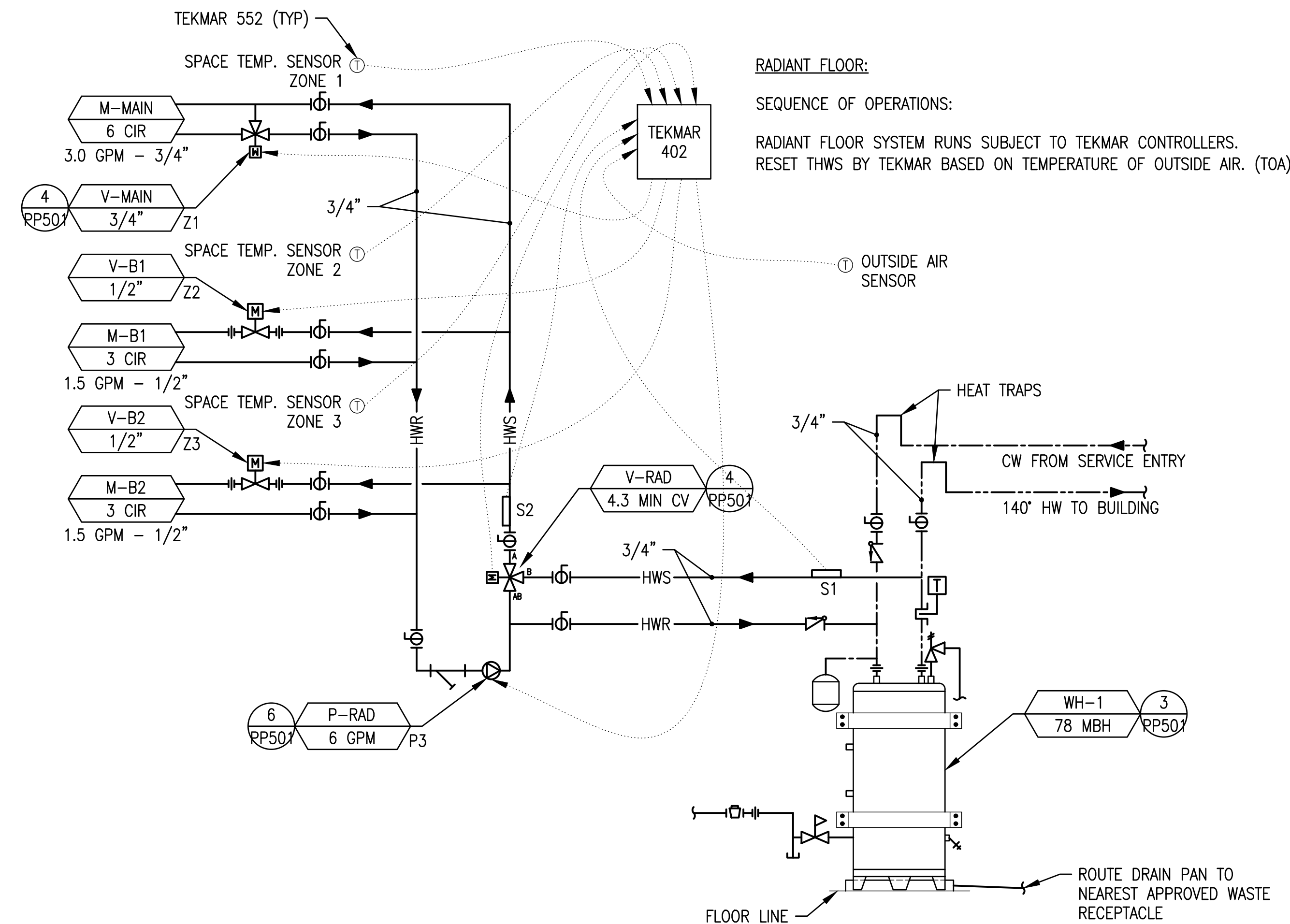
3 GAS FIRED WATER HEATER

PP507



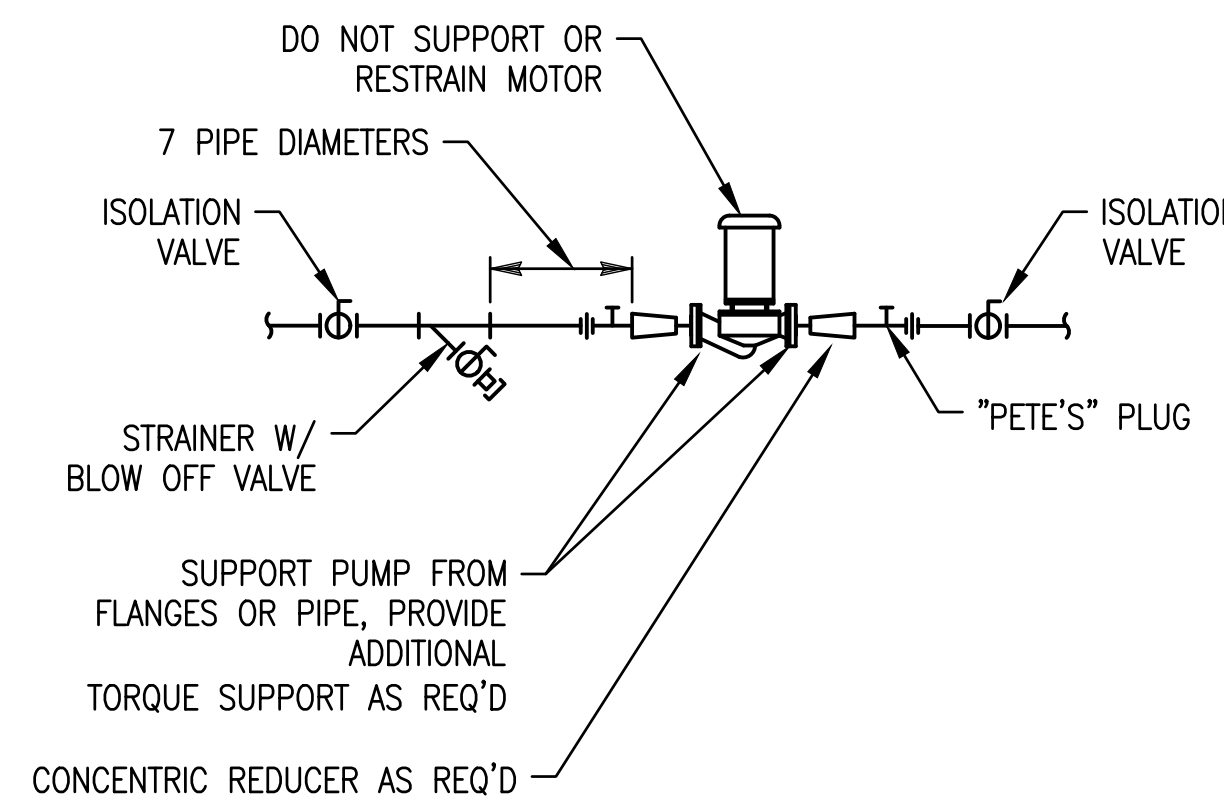
4 MOTORIZED 3-WAY VALVE

PP507



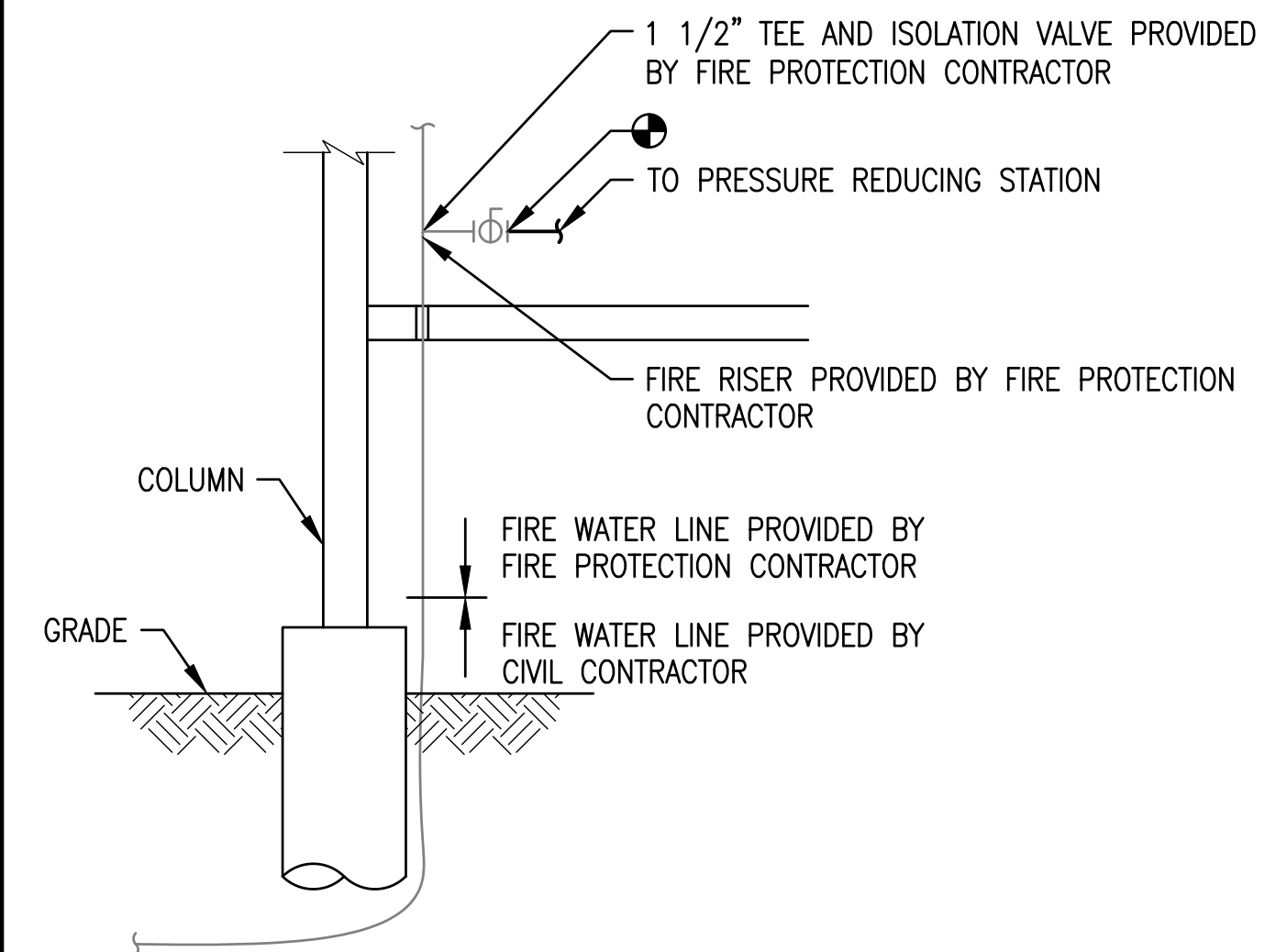
5 HEATING WATER DIAGRAM

PP507



6 PUMP

PP507

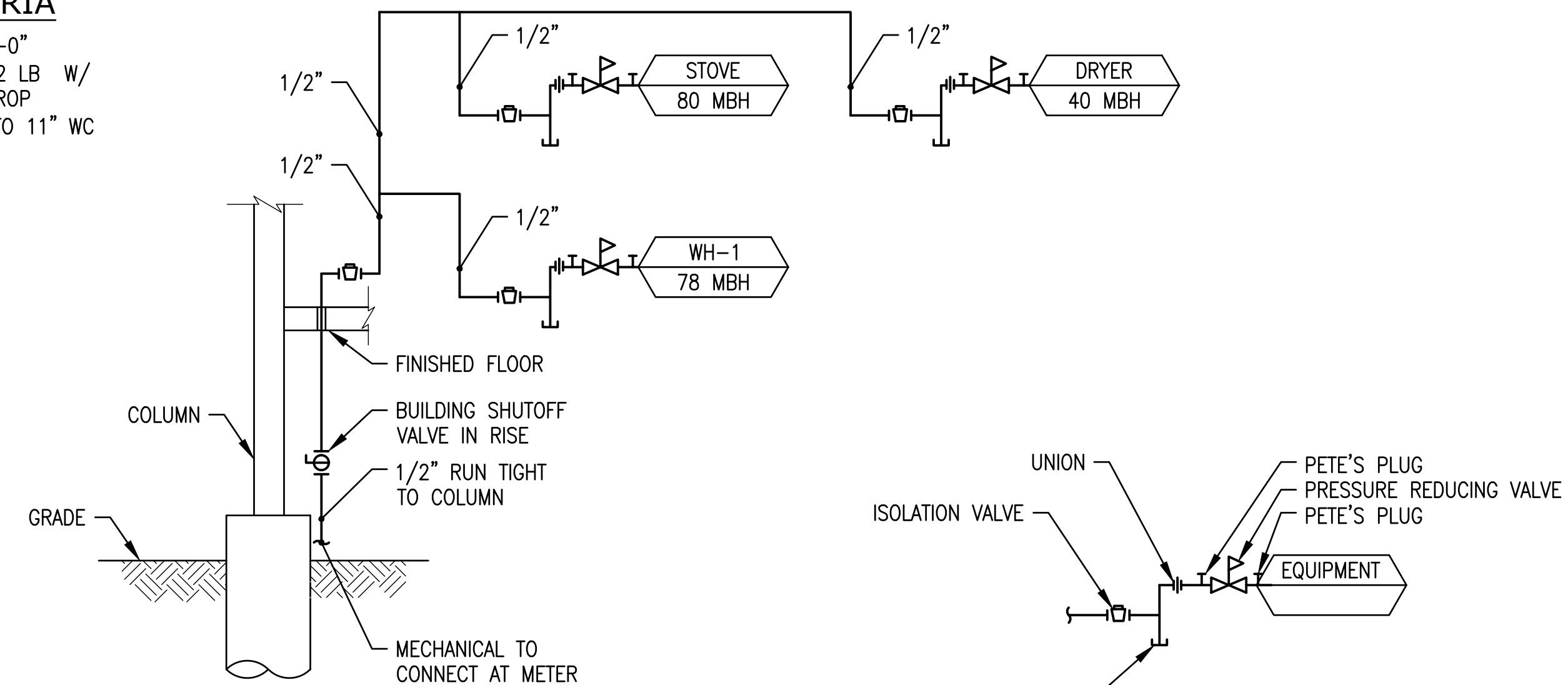


7 WATER SERVICE ENTRANCE

PP507

**DESIGN CRITERIA**

DESIGN LENGTH: 300'-0"  
SYSTEM PRESSURE: 2 LB W/  
1.0 LBS PRESSURE DROP  
REGULATORS: 2 LB TO 11\"/>



8 LIQUID PETROLEUM GAS (LPG) PIPING DIAGRAM

PP507

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**PERMIT SET - MARCH 13, 2017**

**PLUMBING DETAILS**

scale: AS NOTED  
date: 03/13/2017  
drawn: STAFF  
chk'd: SMD

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PUMP SCHEDULE (P)											
MARK	SYSTEM SERVED	TYPE	GPM	HEAD FT WC	GLYCOL %	MOTOR				MANUFACTURER MODEL	REMARKS
						RPM	BHP	HP	VOLT/PHASE		
P-RAD	RADIANT FLOOR	BOOSTER	6	18	POTABLE	N/A	87 WATTS	N/A	120/1Ø	GRUNDFOS UPS 15-58 FC	W/ BRONZE CASING

PRV SCHEDULE (PRV)					
MARK	SIZE	GPM	PD PSI	SETTING	MANUFACTURER MODEL
PRV-1	3/4	20	10	65	WATTS LFN45B

PIPING LEGEND				
SYSTEM	SIZE	MATERIAL	INSULATION	FITTINGS
UNDERGROUND WASTE AND VENT	ALL	SCHEDULE 40 PVC SOLID CORE	N/A	SOLVENT WELD FITTINGS
UNDERGROUND WASTE AND VENT	ALL	ABS	N/A	SOLVENT WELD FITTINGS
ABOVE GROUND WASTE AND VENT	ALL	NO HUB CAST IRON	N/A	NO HUB CAST IRON
ABOVE GROUND WASTE AND VENT	ALL	ABS/SCHEDULE 40 PVC SOLID CORE	N/A	SOLVENT WELD FITTINGS
DOMESTIC HOT AND RECIRC	ALL	TYPE "L" COPPER	1" FIBERGLASS	PRO-PRESS FITTINGS
DOMESTIC HOT AND RECIRC	ALL	PEX-A	1" FIBERGLASS	MANUFACTURER'S FITTINGS
DOMESTIC COLD	ALL	TYPE "L" COPPER	N/A	PRO-PRESS FITTINGS
DOMESTIC COLD	ALL	PEX-A	N/A	MANUFACTURER'S FITTINGS
ABOVE GROUND HEATING WATER	2 1/2" - 4"	SCHEDULE 40 STEEL	1" FIBERGLASS	WELDED OR GROVED FITTINGS
ABOVE GROUND HEATING WATER	1/2" - 2"	SCHEDULE 40 STEEL	1" FIBERGLASS	MEGA-PRESS OR THREADED FITTINGS
ABOVE GROUND HEATING WATER	ALL	PEX-A W/ OXYGEN BARRIER	1" FIBERGLASS	MANUFACTURER'S FITTINGS
ABOVE GROUND HEATING WATER	2 1/2" - 4"	TYPE "L" COPPER	1" FIBERGLASS	PRO-PRESS FITTINGS
ABOVE GROUND HEATING WATER	1 1/4" - 2"	TYPE "L" COPPER	1" FIBERGLASS	PRO-PRESS FITTINGS
ABOVE GROUND HEATING WATER	1/2" - 1"	TYPE "L" COPPER	1" FIBERGLASS	PRO-PRESS FITTINGS

NEW VALVE SCHEDULE (V)					
MARK	SYSTEM SERVED	FLOW GPM	CONFIG.	CONNECTION SIZE	REMARKS
V-RAD	RADIANT FLOOR SYSTEM	6	3-WAY	3/4"	4.3 MINIMUM CV
V-MAIN	RADIANT FLOOR ZONE MAIN	3	3-WAY	3/4"	
V-B1	RADIANT FLOOR MANIFOLD B1	1.5	2-WAY	1/2"	
V-B2	RADIANT FLOOR MANIFOLD B2	1.5	2-WAY	1/2"	

PLUMBING FIXTURE SCHEDULE										
MARK	FIXTURE	ROUGH IN SIZE					MANUFACTURER MODEL	REMARKS		
		WASTE IN	TRAP IN	VENT IN	HW IN	CW IN				
WC-1	WATER CLOSET, FLOOR MOUNTED, TANK TYPE	3	2	2	N/A	1/2	DURAVIT 2125010000 STARCK 3	WHITE VITREOUS CHINA, TWO-PIECE TOILET, 1.28 GPF, 12" ROUGH-IN, 3" FLUSH VALVE, 15-3/4" FLOOR TO RIM, ELONGATED BOWL, W/ DURAVIT SEAT AND COVER #006339.00, CHROMED QUARTER TURNED ANGLE STOP AND CHROMED BRASS SUPPLY.		
LAV-1	LAVATORY AND FAUCET	2	1 1/4	2	1/2	1/2	DURAVIT 070350.00 LAVATORY WITH HANGSGROHE 32146001 FAUCET	VITREOUS CHINA, 19 5/8" X 9 7/8" X 4-1/8"D, SINGLE CONTROL FAUCET, CHROMED QUARTER TURNED ANGLE STOPS, CHROMED BRASS SUPPLIES, CHROMED BRASS "P" TRAP, AND ASSE 1070 COMPLIANT WATER TEMPERATURE LIMITING DEVICE, SET TO 110°F.		
LAV-2	UNDERCOUNTER BASIN AND SINGLE CONTROL FAUCET	2	1 1/4	2	1/2	1/2	DURAVIT 033048.00 LAVATORY WITH HANGSGROHE 32146001 FAUCET	VITREOUS CHINA, 19 1/8" X 12 3/8" X 6-1/4"D, SINGLE CONTROL FAUCET, CHROMED QUARTER TURNED ANGLE STOPS, CHROMED BRASS SUPPLIES, CHROMED BRASS "P" TRAP, AND ASSE 1070 COMPLIANT WATER TEMPERATURE LIMITING DEVICE, SET TO 110°F.		
BATH-1	RECTANGLE TUB WITH FAUCET	2	2	2	1/2	1/2	KOHLER K-1130 BATH WITH HANGSGROHE 38410001 FAUCET	RECTANGLE 5'-0", DROP-IN INSTALLATION, ARCHER BATH DRAIN K-7272, CHROMED QUARTER TURNED ANGLE STOPS, CHROMED BRASS SUPPLIES, CHROMED BRASS "P" TRAP, ASSE 1070 COMPLIANT WATER TEMPERATURE LIMITING DEVICE, SET TO 110°F.		
SH-1	SHOWER VALVE	2	2	2	1/2	1/2	HANGSGROHE ECOSTAT S PRESSURE BALANCE TRIM WITH DIVERTER AND RAINDANCE S 150 AIR 3-JET SHOWERHEAD	PRESSURE BALANCED SHOWER VALVE W/INTEGRAL SERVICE STOPS, 4.5 GPM, TEMPERATURE AND ON/OFF CONTROLS FOR 2 OUTLETS, REQUIRED ACCESSORIES: IBOX UNIVERSAL PLUS ROUGH WITH SERVICE STOPS. RAINDANCE S 150 AIR 3-JET SHOWERHEAD, SHOWERHEAD FLOW 2.5 GPM, STANDARD SHOWERARM 6" AND ASSE 1070 COMPLIANT WATER TEMPERATURE LIMITING DEVICE, SET TO 110°F.		
SINK-1	SINK, SINGLE COMPARTMENT, STAINLESS STEEL, UNDER COUNTER MOUNTED, W/ GOOSENECK FAUCET AND DISPOSAL	2	1 1/2	2	1/2	1/2	FRANKE FCUX11027 HANGSGROHE TALIS S FAUCET IN-SINK-ERATOR BADGER 5 DISPOSAL	STAINLESS STEEL UNDER COUNTER SINK, GOOSENECK FAUCET, CHROMED QUARTER TURNED ANGLE STOPS, CHROMED BRASS SUPPLIES, CHROMED BRASS "P" TRAP. INSINKERATOR MODEL BADGER 5 W/ 1/2 HP, 120 VOLT, SINGLE PHASE DISPOSAL MOTOR AND 36" POWER CHORD W/ 3 PRONG PLUG. PROVIDE DISHWASHER CONNECTION AND HW QUARTER TURNED BALL VALVE STOP, AND ASSE 1070 COMPLIANT WATER TEMPERATURE LIMITING DEVICE, SET TO 110°F.		
ICE-1	ICE WALL BOX	N/A	N/A	N/A	N/A	1/2	OATEY 039136	NO LEAD, 4X4 PLASTIC OUTLET BOX OUTLET BOX AND QUARTER TURNED ANGLE STOP.		
WWB-1	WASHING MACHINE WALL BOX	2	2	2	1/2	1/2	IPS I82056	NO LEAD, WASHING MACHINE OUTLET BOX W/ MINI-RESTER WATER HAMMER ARRESTERS.		
WH-1	NON-FREEZE WALL HYDRANT	N/A	N/A	N/A	N/A	3/4	WOODFORD MODEL 17	EXPOSED ANTI-SYPHON NON-FREEZE WALL HYDRANT W/ INTEGRAL BACK FLOW PREVENTER OPERATOR, 3/4" MALE HOSE CONNECTION AND POLISHED BRONZE FINISH.		
FD-1	FLOOR DRAIN	X	X	X/2 2" MIN	N/A	N/A	PROFLO PF42800	CAST IRON BODY, ADJUSTABLE NICKEL BRONZE STRAINER ASSEMBLY, MEMBRANE CLAMP, WEEP HOLES, AND TRAP PRIMER CONNECTION.		
DD-1	DECK DRAIN	X	N/A	N/A	N/A	N/A	ZURN RD2120-AB2-C	ABS BODY COMPLETE WITH STEEL-THREADED INSERTS FOR INCREASED STRENGTH AND LONGEVITY. STANDARD TO THE ABS ROOF DRAIN IS A CAST IRON CLAMP DEVICE WITH AN INTEGRAL GRAVEL GUARD. REMOVE DOME STRAINER. INSTALL WATERPROOF MEMBRANE.		

LPG FIRED WATER HEATER SCHEDULE (WH)																	
MARK	INPUT MBH	OUT. MBH	EFF. %	FUEL	TANK GAL	REC. GPH	TEMP. RISE °F	OPER. TEMP. °F	FLUE		DIMENSIONS			ELECTRICAL		MANUFACTURER MODEL	REMARKS
									D IN	TYPE	D IN	H IN	WT LBS	VOLT/PHASE	AMP		
WH-1	78	63	80	LPG	55	84	90	140	4	TYPE "B"	22	60	650	N/A	N/A	BRADFORDWHITE RG155H6X	W/ AMTROL ST-5-C EXPANSION TANK

EXHAUST FAN SCHEDULE (EF)															
MARK	AREA SERVED	TYPE	CFM	ESP (IN WC)	FAN RPM	MOTOR				SONES	DAMPER	CONTROL	OPENING SIZE IN	MANUFACTURER MODEL	REMARKS
						RPM	BHP	HP	VOLT /PHASE						
EF-1	BATHROOM 1	CEILING	75	0.5	1200	1200	69 WATT	N/A	120/1Ø	3.9	GRAVITY	WALL SWITCH	N/A	COOK GC-162	NOTE 1
EF-2	BATHROOM 2	CEILING	75	0.5	1200	1200	69 WATT	N/A	120/1Ø	3.9	GRAVITY	WALL SWITCH	N/A	COOK GC-162	NOTE 1
EF-3	POWDER ROOM	CEILING	75	0.5	1200	1200	69 WATT	N/A	120/1Ø	3.9	GRAVITY	WALL SWITCH	N/A	COOK GC-162	NOTE 1

NOTE 1: PROVIDE 6" PAINTABLE WALL CAP WITH INTEGRAL BACKDRAFT DAMPER.

MANIFOLD SCHEDULE (M)				
MARK	SYSTEM SERVED	GPM/CIRC	FLOW GPM	CIRCUITS/ SIZE
M-MAIN	MAIN FLOOR	0.5	3	6 - 3/4"
M-BD1	BEDROOM 1	0.5	1.5	3 - 3/4"
M-BD2	BEDROOM 2	0.5	1.5	3 - 3/4"

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Summit Powder Mountain  
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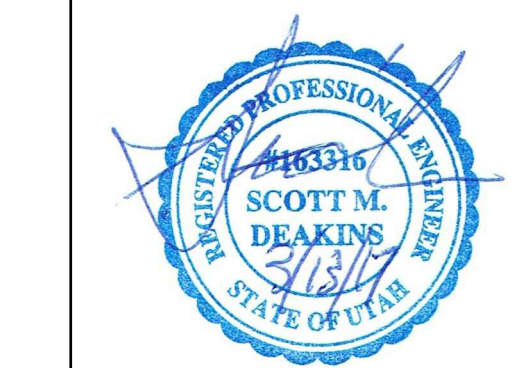
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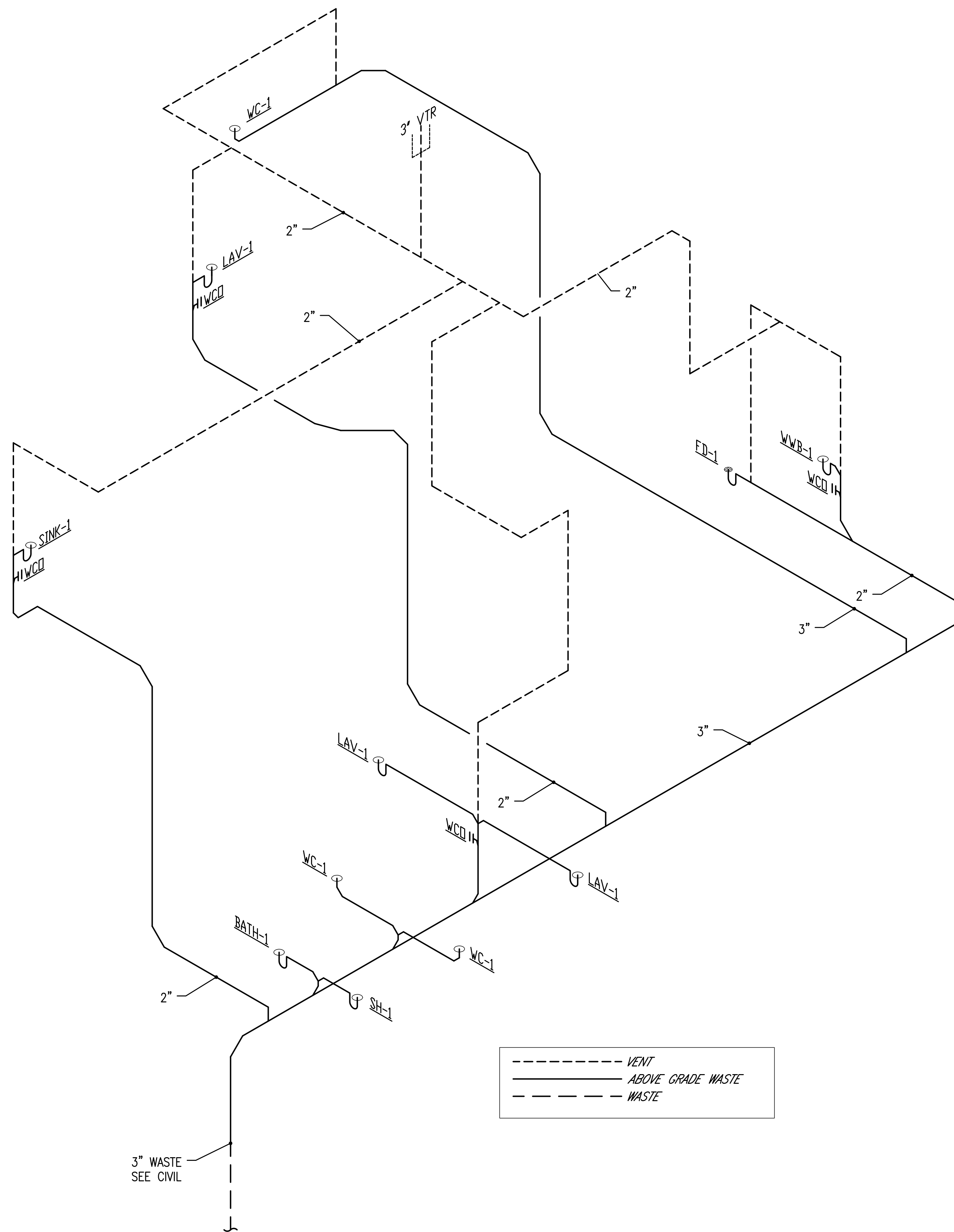
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**PLUMBING SCHEDULES**

scale: AS NOTED  
date: 03/13/2017  
drawn: STAFF  
chk'd: SMD

**PP601**



**1**  
PP901 **1000 SF - PLUMBING WASTE AND VENT ISOMETRIC**  
BUILDINGS 13, 16, 19, 26, 27

Horizon Neighborhood  
CABINS

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Summit Powder Mountain  
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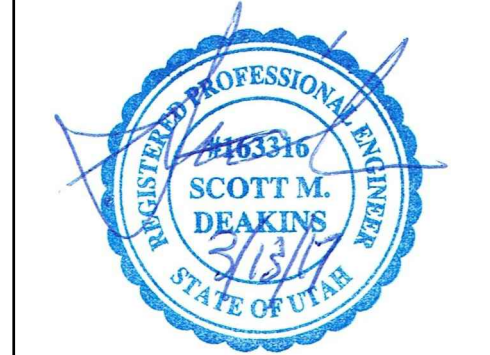
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**PERMIT SET - MARCH 13, 2017**

**PLUMBING  
WASTE AND  
VENT  
ISOMETRIC**

scale: AS NOTED  
date: 03/13/2017  
drawn: STAFF  
chk'd: SMD

PP901

## FIXTURE SCHEDULE

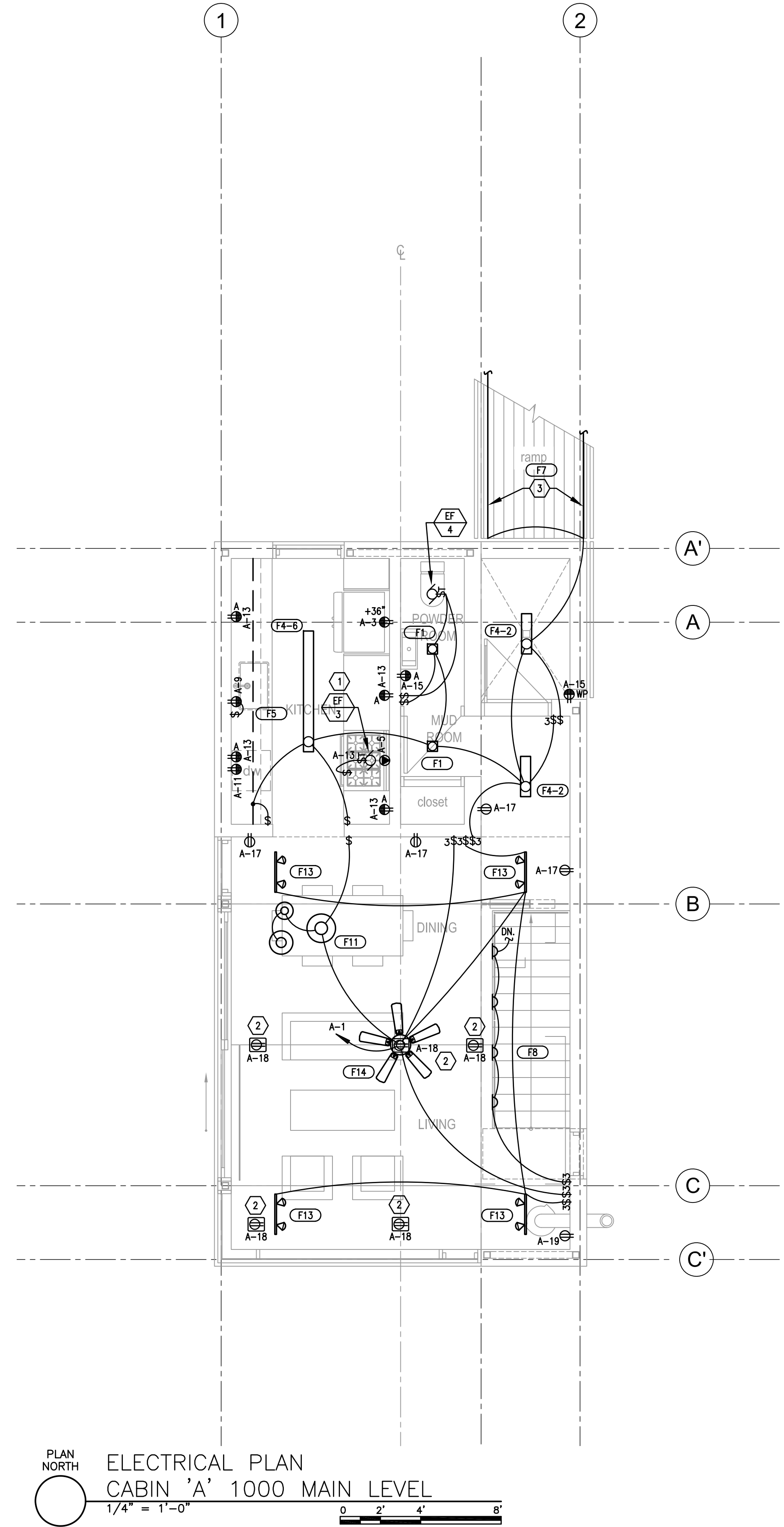
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTS	TOTAL WATTS	LAMPS
F1	4" SQUARE LED DOWNLIGHT 0-10V DIMMING STANDARD SATIN NICKEL TRIM	HALO	H457CAT1E-EL406930-TL3408SNBB	120	13	LAMP: LED (INCLUDED), LUMENS: 600, CCT: 3000°K,
F2	WALL MOUNT LED ALUMINUM CONSTRUCTION - FROSTED GLASS - CAST GUARD	BASLITE	W1-FR-CG-SCBA-20W	120	20	LAMP: LED (INCLUDED),
F3	SURFACE MOUNTED LED CURVED FRONT	ARTEMIDE	USC-RDLC-2-B-9-30-08-SCBA	120	32	LAMP: LED (INCLUDED), LUMENS: CCT:3000K 90 CRI
F4-2	2 FOOT LONG RECESSED LINEAR LED 0-10V DIMMING STANDARD TRIMLESS WITH FLUSH SATIN ACRYLIC LENS	NULITE	RT4-06-L30-UNV-D-1C-FFR-WH-2	120	13	LAMP: LED (INCLUDED), LUMENS: 1450 CCT:3000°K 80 CRI
F4-4	4 FOOT LONG RECESSED LINEAR LED 0-10V DIMMING STANDARD TRIMLESS WITH FLUSH SATIN ACRYLIC LENS	NULITE	RT4-06-L30-UNV-D-1C-FFR-WH-4	UNV	26	LAMP: LED (INCLUDED), LUMENS: 2897 CCT: 3000°K, 80 CRI
F4-8	8 FOOT LONG RECESSED LINEAR LED 0-10V DIMMING STANDARD TRIMLESS WITH FLUSH SATIN ACRYLIC LENS	NULITE	RT4-06-L30-UNV-D-1C-FFR-WH-8	UNV	52	LAMP: LED (INCLUDED), LUMENS: 5792 CCT: 3000°K, 80 CRI
F4-12	12 FOOT LONG RECESSED LINEAR LED 0-10V DIMMING STANDARD TRIMLESS WITH FLUSH SATIN ACRYLIC LENS	NULITE	RT4-06-L30-UNV-D-1C-FFR-WH-12	UNV	77	LAMP: LED (INCLUDED), LUMENS: 8698 CCT: 3000°K, 80 CRI
F5	LED UNDERCABINET TO BE DETERMINED					LAMP: LED (INCLUDED), LUMENS: 1300 CCT: 3000°K,
F6	LED PENDANT FIXTURE WITH 47" CORDS	ARTEMIDE	TALO 90 - 1922028A	120	39	LAMP: LED (INCLUDED), LUMENS: 3341 CCT: 3000°K, 80 CRI
F7	WET LOCATION RATED LED TAPE LIGHT MOUNTED IN ALUMINUM EXTRUSION 300 WATT EXTERIOR RATED POWER SUPPLY AT EXTERIOR ENTRY RAMP	Q-TRAN	IQ67-30-35-90-3-2-35 QIA-45DW-RD-FINISH-DF-35 QOM-300ST-120/24-1X15-CX-S	120/24	3.2 / FT	LAMP: LED (INCLUDED), LUMENS:254 / FT CCT: 3000°K,
F8	RECESSED LED STEP LIGHT	WHITEGOODS	WG-8100SCPW-CL-830-608-UNV-S	120	6.24	LAMP: LED (INCLUDED), LUMENS:608, CCT: 3000°K, 80 CRI
F9	NOT USED					
F10	J-BOX MOUNTED LED DOWNLIGHT	HALO	SLD608930WHUB	120	12.2	LAMP: LED (INCLUDED), LUMENS:780 CCT: 3000°K,
F11	LED PENDANT FIXTURE WITH LED LAMP	ARTEMIDE	SPHERA - RD211110	120		LAMP: LED (INCLUDED), LUMENS:608, CCT: 3000°K, 80 CRI
F12	LED PENDANT FIXTURE WITH 63" CORDS	ARTEMIDE	TALO 90 - 1922028A	120	39	LAMP: LED (INCLUDED), LUMENS: 3341 CCT: 3000°K, 80 CRI
F13	CEILING MOUNTED TRACK WITH TWO LED FIXTURES DIFFUSION SPREAD LENS	HALO	L80815FL9030AH LNC2-DSL L650AH / L901AH	120	21 EACH	LAMP: LED (INCLUDED), LUMENS: 1508 EACH CCT: 3000°K, 90 CRI
F14	CEILING PADDLE FAN SATIN NICKEL FINISH	CONCORD	CF52873-53 / 52SKY 3ESN	120		

## PANELBOARD SCHEDULE

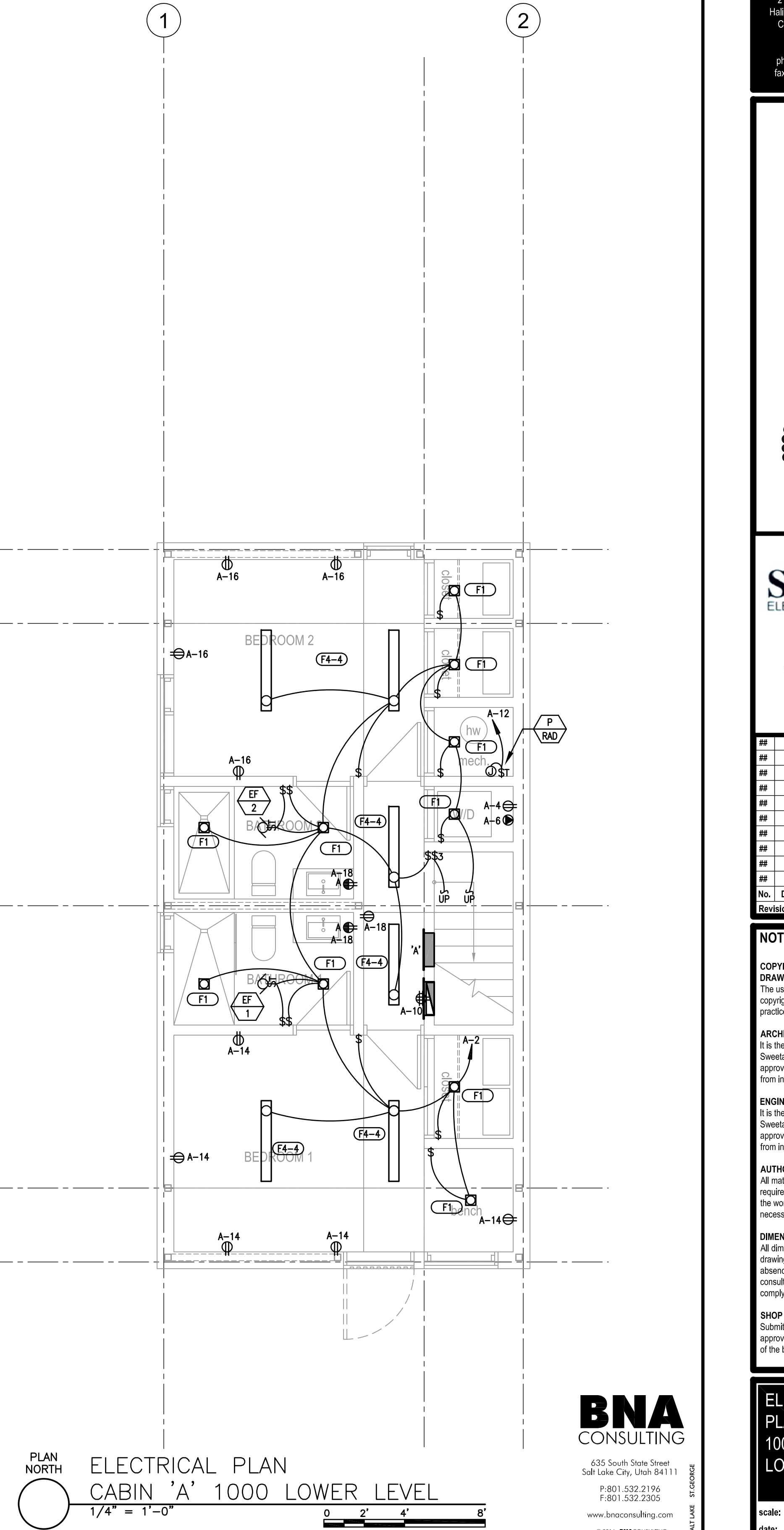
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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="12">BRANCH BREAKERS</th> </tr> <tr> <th rowspan="2">ITEM</th> <th rowspan="2">AMPS</th> <th rowspan="2">WIRE SIZE</th> <th rowspan="2">CIR NO.</th> <th colspan="2">L PHASE LOAD</th> <th colspan="2">R PHASE LOAD</th> <th rowspan="2">CIR NO.</th> <th rowspan="2">WIRE SIZE</th> <th rowspan="2">ITEM</th> <th rowspan="2">AMPS</th> </tr> <tr> <th>A</th> <th>B</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>LIGHTING MAIN</td> <td>20</td> <td>1</td> <td>12</td> <td>1</td> <td>350</td> <td>475</td> <td>1400</td> <td>4</td> <td>20</td> <td>1</td> <td>12</td> <td>LIGHTING LOWER</td> </tr> <tr> <td>REFRIGERATOR</td> <td>20</td> <td>1</td> <td>12</td> <td>3</td> <td>1500</td> <td>1500</td> <td>1500</td> <td>4</td> <td>20</td> <td>1</td> <td>12</td> <td>WASHER</td> </tr> <tr> <td>RANGE</td> <td>50</td> <td>2</td> <td>6</td> <td>5</td> <td>4000</td> <td>2500</td> <td>2500</td> <td>6</td> <td>30</td> <td>2</td> <td>10</td> <td>DRYER</td> </tr> <tr> <td>DISPOSAL</td> <td>20</td> <td>1</td> <td>12</td> <td>9</td> <td>1200</td> <td>500</td> <td>500</td> <td>10</td> <td>20</td> <td>1</td> <td>12</td> <td>DATA BOARD</td> </tr> <tr> <td>DISHWASHER</td> <td>20</td> <td>1</td> <td>12</td> <td>11</td> <td>1200</td> <td>500</td> <td>500</td> <td>12</td> <td>20</td> <td>1</td> <td>12</td> <td>R-RAD</td> </tr> <tr> <td>RECEPTACLES KITCHEN*</td> <td>20</td> <td>1</td> <td>12</td> <td>13</td> <td>800</td> <td>900</td> <td>900</td> <td>14</td> <td>20</td> <td>1</td> <td>12</td> <td>RECEPTACLES BEDROOM 1*</td> </tr> <tr> <td>RECEPTACLES BATH</td> <td>20</td> <td>1</td> <td>12</td> <td>15</td> <td>360</td> <td>720</td> <td>720</td> <td>16</td> <td>20</td> <td>1</td> <td>12</td> <td>RECEPTACLES BEDROOM 2*</td> </tr> <tr> <td>RECEPTACLES</td> <td>20</td> <td>1</td> <td>12</td> <td>17</td> <td>720</td> <td>1080</td> <td>1080</td> <td>18</td> <td>20</td> <td>1</td> <td>12</td> <td>RECEPTACLES FLOOR</td> </tr> <tr> <td>HEAT TAPE</td> <td>20</td> <td>1</td> <td>12</td> <td>19</td> <td>720</td> <td></td> <td></td> <td>20</td> <td>20</td> <td>1</td> <td></td> <td>SPARE</td> </tr> <tr> <td>SPARE</td> <td>20</td> <td>1</td> <td>23</td> <td></td> <td></td> <td></td> <td></td> <td>24</td> <td>20</td> <td>1</td> <td></td> <td>SPARE</td> </tr> <tr> <td>SPARE</td> <td>20</td> <td>1</td> <td>25</td> <td></td> <td></td> <td></td> <td></td> <td>26</td> <td></td> <td></td> <td></td> <td>SPACE ONLY</td> </tr> <tr> <td>SPARE</td> <td>20</td> <td>1</td> <td>27</td> <td></td> <td></td> <td></td> <td></td> <td>28</td> <td></td> <td></td> <td></td> <td>SPACE ONLY</td> </tr> <tr> <td>SPARE</td> <td>20</td> <td>1</td> <td>29</td> <td></td> <td></td> <td></td> <td></td> <td>30</td> <td></td> <td></td> <td></td> <td>SPACE ONLY</td> </tr> <tr> <td>SPARE</td> <td>20</td> <td>1</td> <td>31</td> <td></td> <td></td> <td></td> <td></td> <td>32</td> <td></td> <td></td> <td></td> <td>SPACE ONLY</td> </tr> <tr> <td>SPACE ONLY</td> <td></td> <td></td> <td>33</td> <td></td> <td></td> <td></td> <td></td> <td>34</td> <td></td> <td></td> <td></td> <td>SPACE ONLY</td> </tr> <tr> <td>SPACE ONLY</td> <td></td> <td></td> <td>35</td> <td></td> <td></td> <td></td> <td></td> <td>36</td> <td></td> <td></td> <td></td> <td>SPACE ONLY</td> </tr> <tr> <td>SPACE ONLY</td> <td></td> <td></td> <td>37</td> <td></td> <td></td> <td></td> <td></td> <td>38</td> <td></td> <td></td> <td></td> <td>SPACE ONLY</td> </tr> <tr> <td>SPACE ONLY</td> <td></td> <td></td> <td>39</td> <td></td> <td></td> <td></td> <td></td> <td>40</td> <td></td> <td></td> <td></td> <td>SPACE ONLY</td> </tr> <tr> <td>SPACE ONLY</td> <td></td> <td></td> <td>41</td> <td></td> <td></td> <td></td> <td></td> <td>42</td> <td></td> <td></td> <td></td> <td>SPACE ONLY</td> </tr> <tr> <td colspan="4">* ARC FAULT BREAKER</td> <td>7070</td> <td>7780</td> <td>5455</td> <td>5120</td> <td colspan="4"></td> <td></td> </tr> <tr> <td colspan="4"></td> <td>12525</td> <td>12900</td> <td colspan="2">TOTAL</td> <td colspan="4"></td> <td>CONNECTED LOAD TOTAL</td> </tr> <tr> <td colspan="4">CABIN 'A'</td> <td>104</td> <td>108</td> <td colspan="2">AMPS/PHASE</td> <td colspan="4"></td> <td>25425 W</td> </tr> <tr> <td colspan="4"></td> <td colspan="2">EQUIP RATING</td> <td colspan="2">10,000</td> <td colspan="2">AMPS RMS SYM.</td> <td colspan="3"></td> </tr> </tbody> </table>									BRANCH BREAKERS												ITEM	AMPS	WIRE SIZE	CIR NO.	L PHASE LOAD		R PHASE LOAD		CIR NO.	WIRE SIZE	ITEM	AMPS	A	B	A	B	LIGHTING MAIN	20	1	12	1	350	475	1400	4	20	1	12	LIGHTING LOWER	REFRIGERATOR	20	1	12	3	1500	1500	1500	4	20	1	12	WASHER	RANGE	50	2	6	5	4000	2500	2500	6	30	2	10	DRYER	DISPOSAL	20	1	12	9	1200	500	500	10	20	1	12	DATA BOARD	DISHWASHER	20	1	12	11	1200	500	500	12	20	1	12	R-RAD	RECEPTACLES KITCHEN*	20	1	12	13	800	900	900	14	20	1	12	RECEPTACLES BEDROOM 1*	RECEPTACLES BATH	20	1	12	15	360	720	720	16	20	1	12	RECEPTACLES BEDROOM 2*	RECEPTACLES	20	1	12	17	720	1080	1080	18	20	1	12	RECEPTACLES FLOOR	HEAT TAPE	20	1	12	19	720			20	20	1		SPARE	SPARE	20	1	23					24	20	1		SPARE	SPARE	20	1	25					26				SPACE ONLY	SPARE	20	1	27					28				SPACE ONLY	SPARE	20	1	29					30				SPACE ONLY	SPARE	20	1	31					32				SPACE ONLY	SPACE ONLY			33					34				SPACE ONLY	SPACE ONLY			35					36				SPACE ONLY	SPACE ONLY			37					38				SPACE ONLY	SPACE ONLY			39					40				SPACE ONLY	SPACE ONLY			41					42				SPACE ONLY	* ARC FAULT BREAKER				7070	7780	5455	5120										12525	12900	TOTAL						CONNECTED LOAD TOTAL	CABIN 'A'				104	108	AMPS/PHASE						25425 W					EQUIP RATING		10,000		AMPS RMS SYM.				
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## SHEET KEYNOTES

- 1 COORDINATE HOOD FAN CONTROL LOCATION WITH KITCHEN HOOD INSTALLER.
- 2 FLOOR MOUNTED RECEPTACLES MUST BE LISTED FOR FLOOR MOUNTED AND FACE UP APPLICATION.



PLAN NORTH  
ELECTRICAL PLAN  
CABIN 'A' 1000 MAIN LEVEL  
1/4" = 1'-0"



PLAN NORTH  
ELECTRICAL PLAN  
CABIN 'A' 1000 LOWER LEVEL  
1/4" = 1'-0"



635 South State Street  
Salt Lake City, Utah 84111  
P: 801.532.2196  
F: 801.532.2305  
www.bnacconsulting.com  
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DALLI LAYNE ST. GEORGE

Horizon Neighborhood  
LODGE

778 E. Horizon Run  
Summit, Provo, UT 84068

MacKay-Lyons  
Sweetapple  
Architects  
Limited

2188 Cottingham St.  
Halifax, Nova Scotia  
Canada B3K 3B4

ph: (902) 426-1667  
fax: (902) 426-6276

PROFESSIONAL ENGINEER  
JOSHUA OAKESON  
No. 77067-1-2202  
STATE OF UTAH

**SALMON**  
ELECTRICAL CONTRACTORS

1778 WEST 1180 SOUTH  
WOODS CROSS, UT 84087  
P: 801-292-3444  
F: 801-292-4273  
WWW.SALMONELECTRICAL.COM

Revisions	Description	Date

**NOTES:**

**COPYRIGHT RELATED TO THE USE OF THIS DRAWING:**  
The use of this drawing shall be governed by standard copyright law as generally accepted in architectural practice.

**ARCHITECT'S REQUIREMENTS AND APPROVALS:**  
It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Architect.

**ENGINEER'S REQUIREMENTS AND APPROVALS:**  
It is the Builder's responsibility to notify MacKay-Lyons Sweetapple Architects Ltd. and to seek prior written approval for materials and workmanship which deviates from instructions provided by the Engineer.

**AUTHORITIES' REQUIREMENTS AND APPROVALS:**  
All materials and workmanship must comply with the requirements of all authorities having jurisdiction over the work. It is the Builder's responsibility to gain necessary approval from all relevant Authorities.

**DIMENSIONS:**  
All dimensions must be verified on site. Do not scale off drawings. Plans take precedent over elevations. In the absence of dimensions, or if discrepancies exist, consult Architect. All minimum dimensions are to comply with the National Building Code of Canada.

**SHOP DRAWINGS:**  
Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements of the building.

**ELECTRICAL**  
PLAN - CABIN  
1000 MAIN &  
LOWER LEVEL

scale: SEE GRAPH  
date: 16-07-01  
drawn: BNA  
chk'd: CF

**E300**

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3/20/2017 11:08:11 AM 1/19/17 - E300.dwg