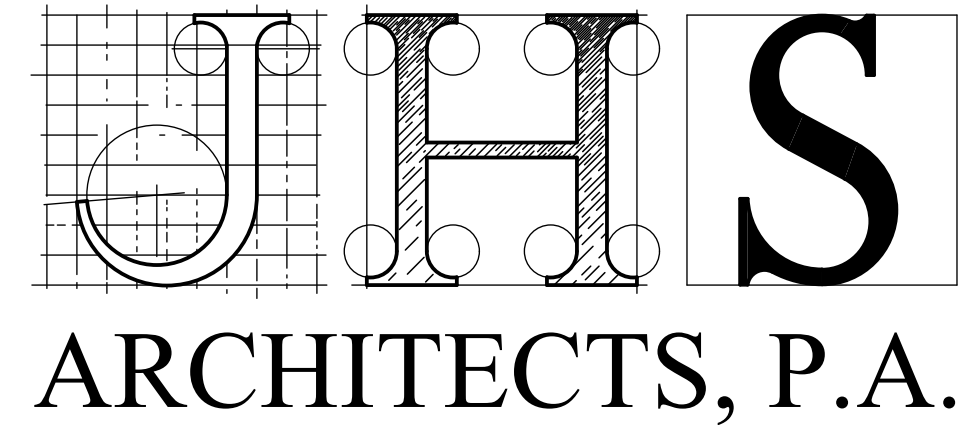


# MALAD CHAPEL REMODEL

## 200 W. 400 N., MALAD CITY, IDAHO



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T1 TITLE, VICINITY MAP, INDEX OF DRAWINGS, CODE REVIEW & SYMBOLS

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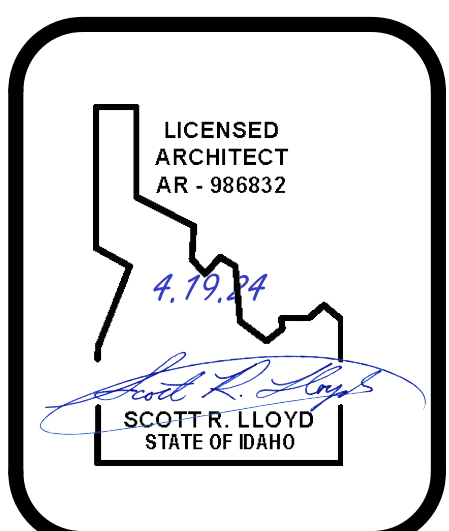
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- A1.1 SITE PLAN AND DETAILS
- A2.0 FIRST FLOOR DEMOLITION PLAN
- A2.1 SECOND FLOOR DEMOLITION PLAN
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- A2.3 SECOND FLOOR DEMOLITION REFLECTED CEILING PLAN
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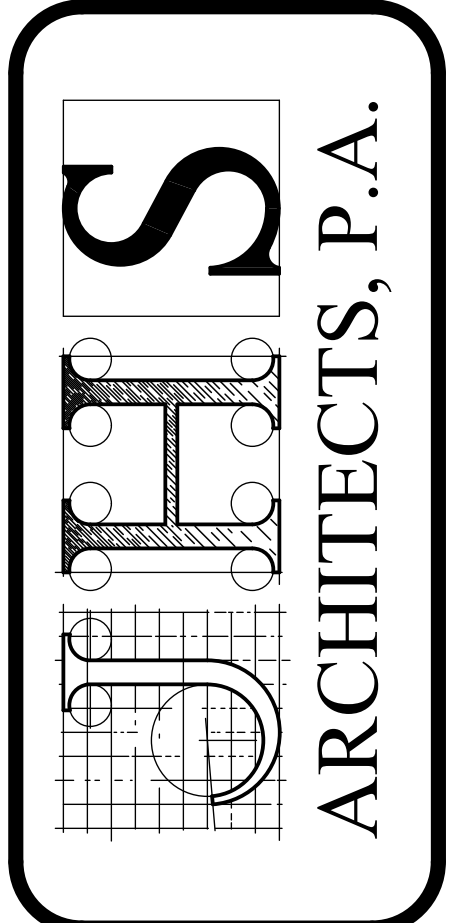
**MECHANICAL DRAWINGS:**

- M2.0 FIRST LEVEL MECH DEMO PLAN
- M2.1 SECOND LEVEL MECH DEMO PLAN
- M3.0 FIRST LEVEL MECHANICAL PLAN
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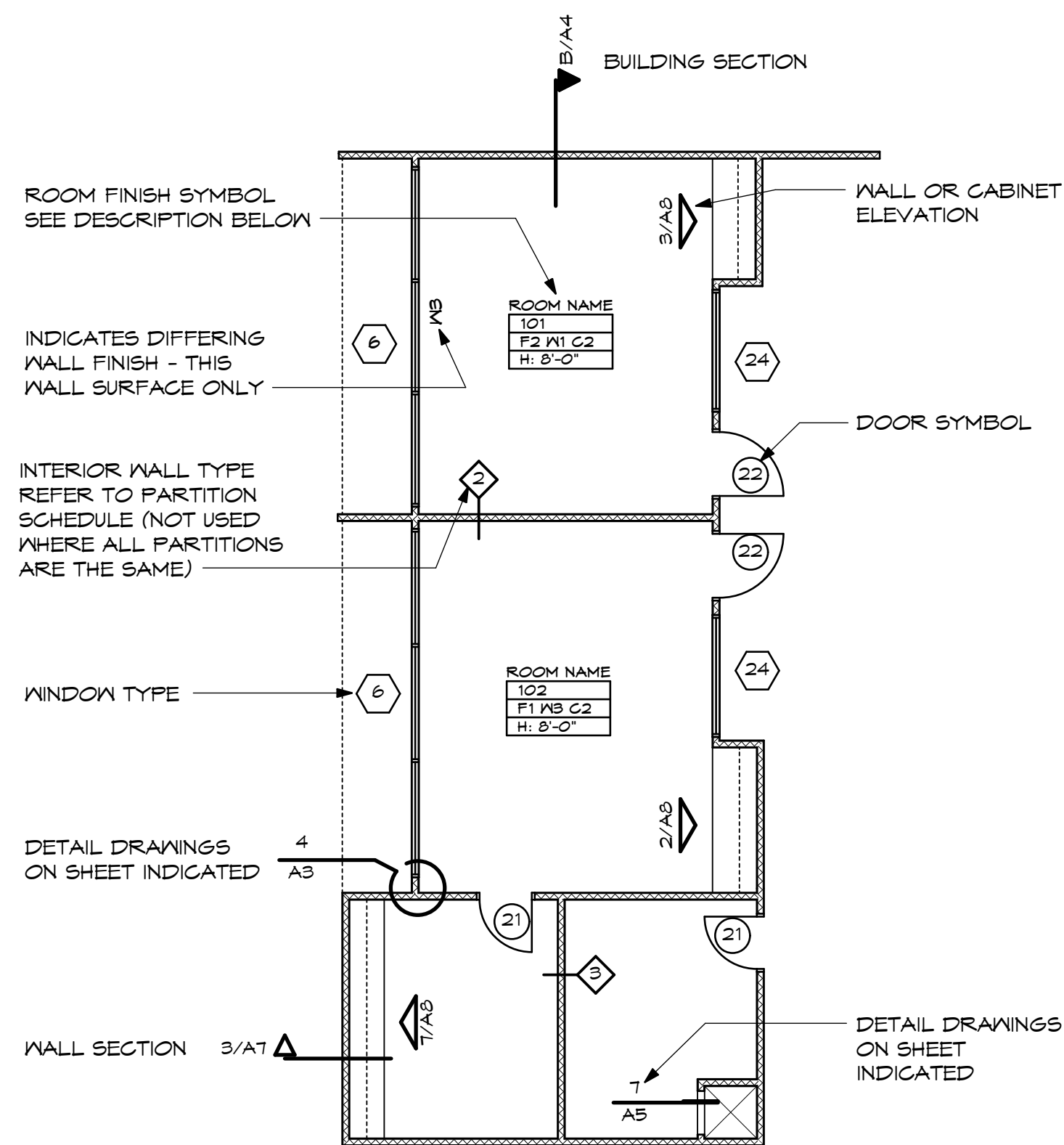
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MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO  
TITLE, VICINITY MAP, INDEX OF DRAWINGS,  
CODE REVIEW & SYMBOLS

### SYMBOLS EXPLANATION



### SYMBOLS

- 7 ← DETAIL NUMBER
- A3 ← SHEET NUMBER
- DETAIL KEY**
- △ 4/A7 SECTION NUMBER
- △ 5/A7 SHEET NUMBER
- WALL SECTION**
- △ 3/A7 SECTION LETTER
- △ 5/A7 SHEET NUMBER
- BUILDING SECTION**
- 24 WINDOW TYPE
- 21 WINDOW SYMBOL
- DOOR SYMBOL
- 6/A12 ELEVATION & SHEET NUMBER
- EXTERIOR ELEVATION**
- △ E GLASS TYPE, SEE WINDOW ELEVATIONS
- GLASS SYMBOL**
- 14 DRAWING NOTE NO.
- DRAWING NOTE SYMBOL**
- 7/A3 ELEVATION & SHEET NUMBER
- INTERIOR ELEVATION**
- 5 WALL TYPE
- INTERIOR WALL TYPE
- F NEW BUILDING GRID
- 6 EXISTING BUILDING GRID

### ROOM FINISH SYMBOL

ROOM NUMBER	ROOM NAME	CEILING FINISH
FLOOR / BASE FINISH	F1 WS C2	WALL / MAINSCOT FINISH
CEILING HEIGHT	H: 8'-0"	

### PROJECT SITE



VICINITY MAP  
N.T.S. NORTH

### CODE REVIEW

**PROJECT DESCRIPTION:**  
REMODEL OF EXISTING BUILDING. SCOPE TO INCLUDE ASBESTOS ABATEMENT, NEW FLOOR FINISHES, ROOF REPLACEMENT, AND ADA COMPLIANCE ACCESSIBILITY.

**APPLICABLE CODES:**  
APPLICABLE CODE: 2021 IEBC  
COMPLIANCE METHOD (SECTION 301.3): WORK AREA COMPLIANCE  
WORK CLASSIFICATION (SECTION 601): LEVEL 2

**CONFORMANCE:**

BUILDING ELEMENTS & MATERIALS (302):	**COMPLIES**
FIRE PROTECTION (303):	**COMPLIES**
MEANS OF EGRESS (304):	**COMPLIES**
STRUCTURAL (305):	**COMPLIES**
ELECTRICAL (306):	**COMPLIES**
MECHANICAL (307):	**COMPLIES**
PLUMBING (308):	**COMPLIES**
ENERGY CONSERVATION (309):	**COMPLIES**

**CONCLUSION:**  
THE REMODEL OF THE EXISTING BUILDING COMPLIES WITH SECTION 304 OF THE IEBC. FURTHERMORE, THE IMPACT OF THE ALTERATIONS SHALL MAINTAIN THE CURRENT LEVEL OF CONFORMANCE RELATING TO FIRE PROTECTION AND MEAN OF EGRESS.

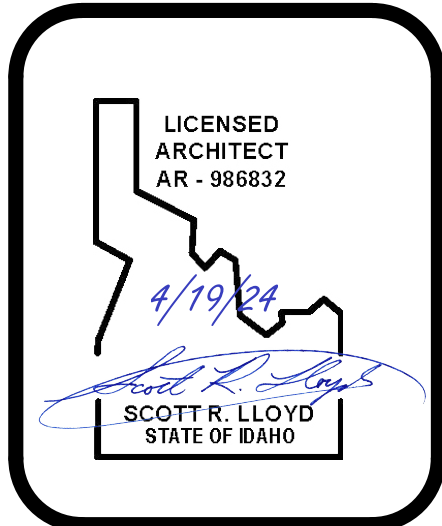
### APPROVAL

REVISIONS: \_\_\_\_\_

DATE: APR 24 DRAWING NO. T1

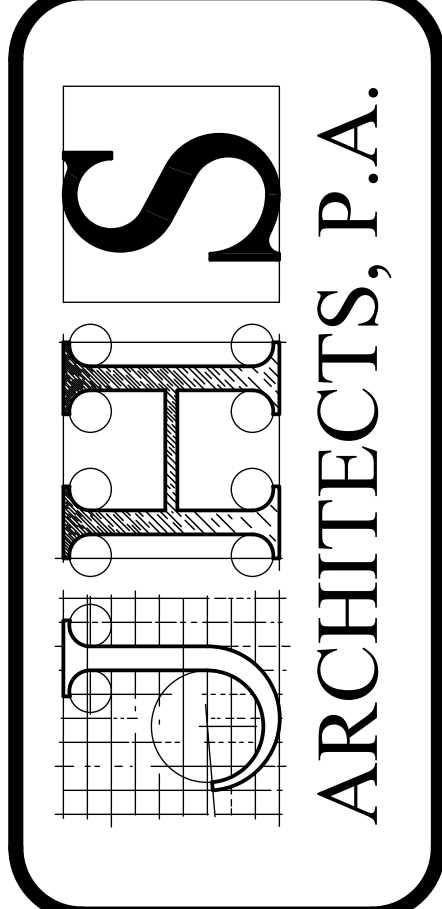
JOB NO. 2214 1 OF 23





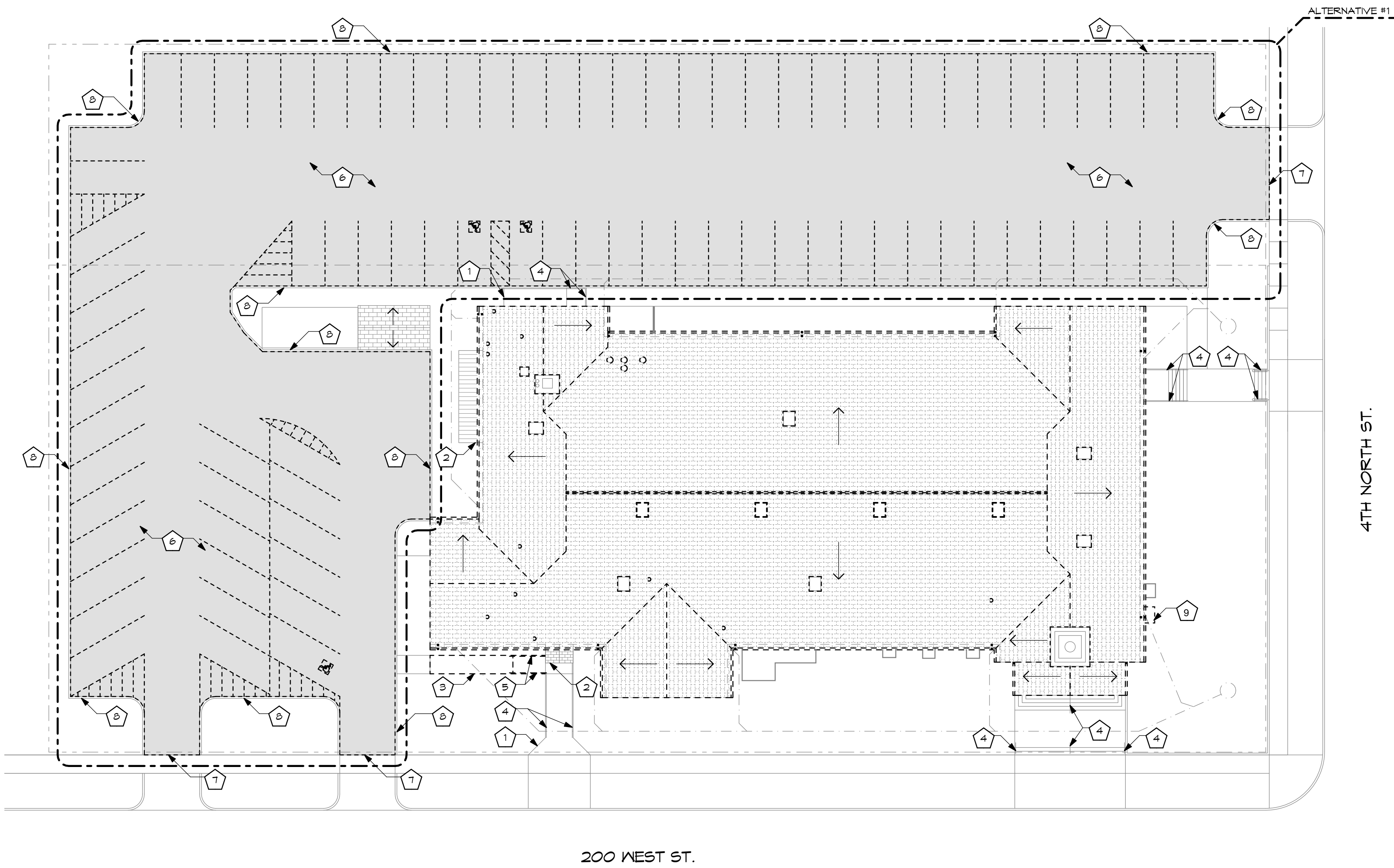
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MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO

SITE DEMOLITION PLAN



**1 SITE DEMOLITION PLAN**  
A1.0 1" = 20'-0" NORTH

**GENERAL NOTES:** (THIS DRAWING ONLY)

- A. SECURITY FENCING SHALL HAVE NON-DESTRUCTIVE POSTS.
- B. CONTRACTOR SHALL PROVIDE TEMP. BARRICADE AROUND CONST. AREA AND MAINTAIN PEDESTRIAN/VEHICULAR TRAFFIC.
- C. CONTRACTOR SHALL COORDINATE WITH OWNER LOCATION OF STAGING AND LAY-DOWN. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING PAVING DUE TO STORAGE OF MATERIALS AND CONSTRUCTION.

**KEYED NOTES:** (THIS DRAWING ONLY)

- 1 (E) RAMP AND DOOR LANDING TO REMAIN - RETAIN AND PROTECT DURING CONST.
- 2 (E) ROOF CANOPY TO REMAIN - RETAIN AND PROTECT DURING CONST.
- 3 (E) CONG. WALK AND RAMP TO BE REMOVED
- 4 (E) HANDRAIL TO REMAIN. RAIL AND POSTS ARE TO BE SANDED AND PREPPED FOR NEW FINISH AS REQ'D
- 5 (E) HANDRAIL TO BE CUT AT LANDING AND REMOVED WITH CONG. RAMP
- 6 ALTERNATE #1: REMOVE AND DISCARD (E) CONG. PAVEMENT AND 6" OF (E) PAVEMENT SUBSTRATE
- 7 ALTERNATE #1: SAW-CUT (E) CONG. PAVEMENT
- 8 (E) CONG. CURB AND GUTTER TO REMAIN - PROTECT DURING CONSTRUCTION
- 9 (E) CONG. PAD TO BE REMOVED

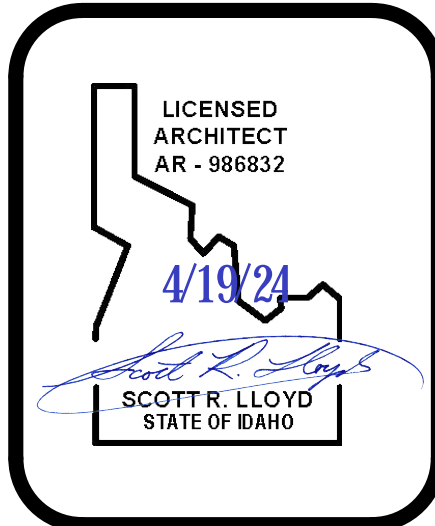
**LEGEND:** (THIS DRAWING ONLY)

- PROPERTY LINE
- - - RAINWATER DRAIN TILE
- ( ) ROCKED-UP SUMP

REVISIONS:

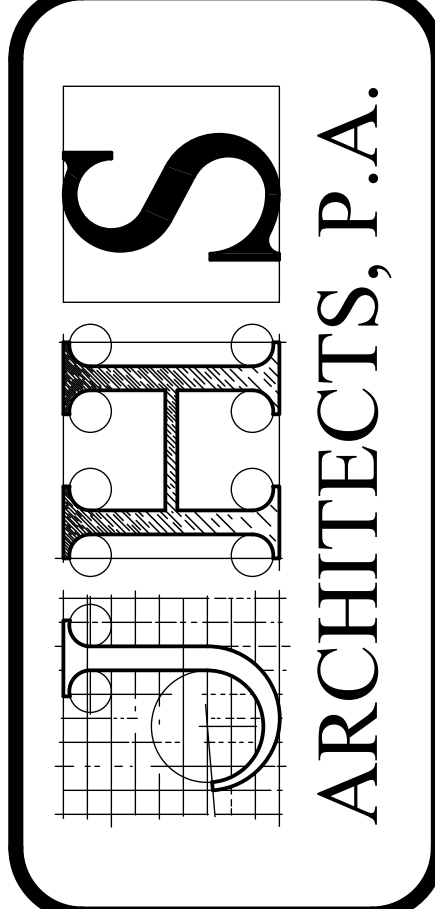
DATE: APR 24  
DRAWING NO. A1.0  
JOB NO. 2214  
2 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
UPDATE: 04-10-24  
DRAWN BY: th



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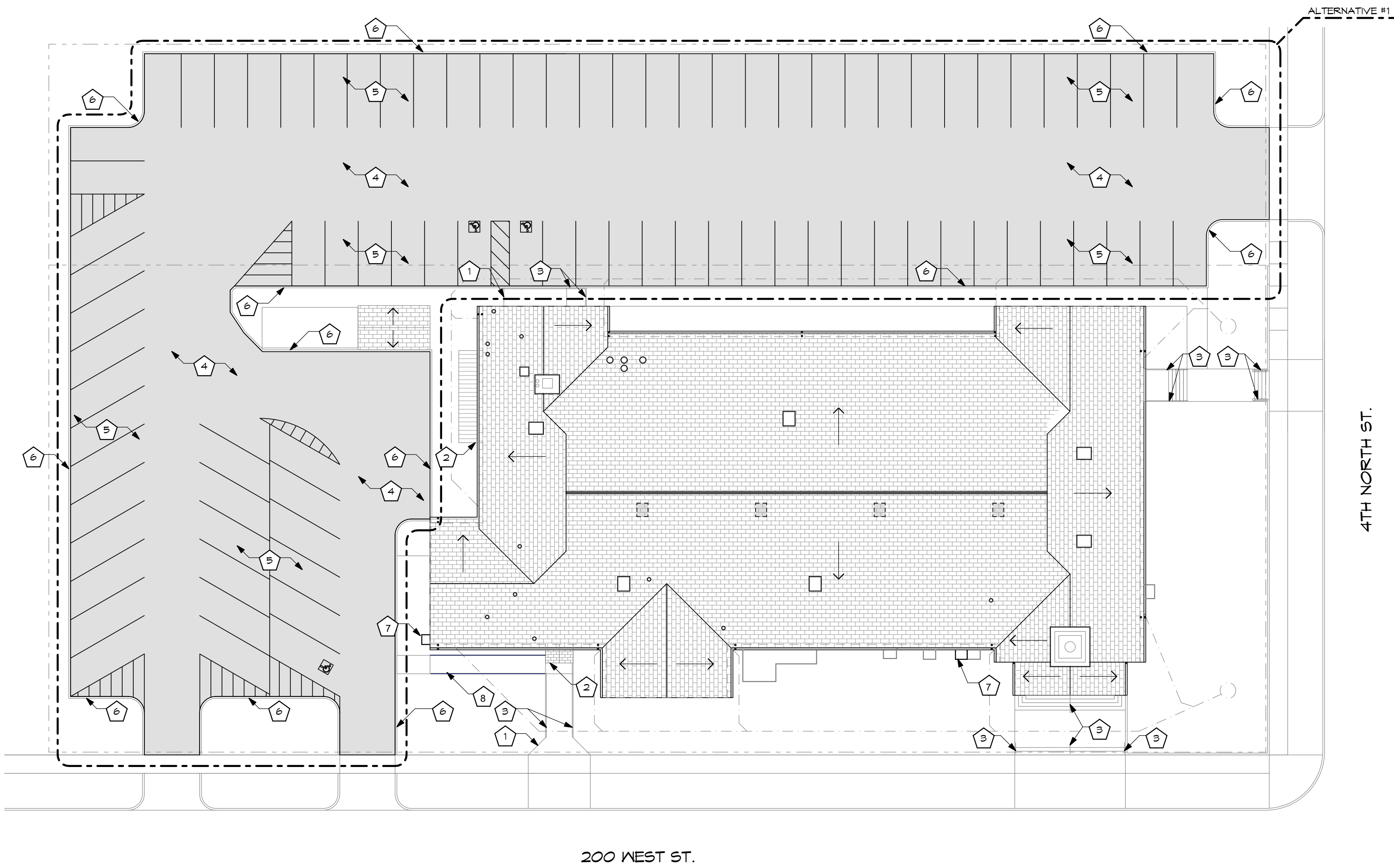
MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO

SITE PLAN AND DETAILS

REVISIONS:

DATE: APR 24  
DRAWING NO. A1.1  
JOB NO. 2214  
3 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
UPDATE: 04-10-24  
DRAWN BY: th



1 SITE PLAN  
A1.1 1" = 20'-0"  
NORTH

**GENERAL NOTES:** (THIS DRAWING ONLY)

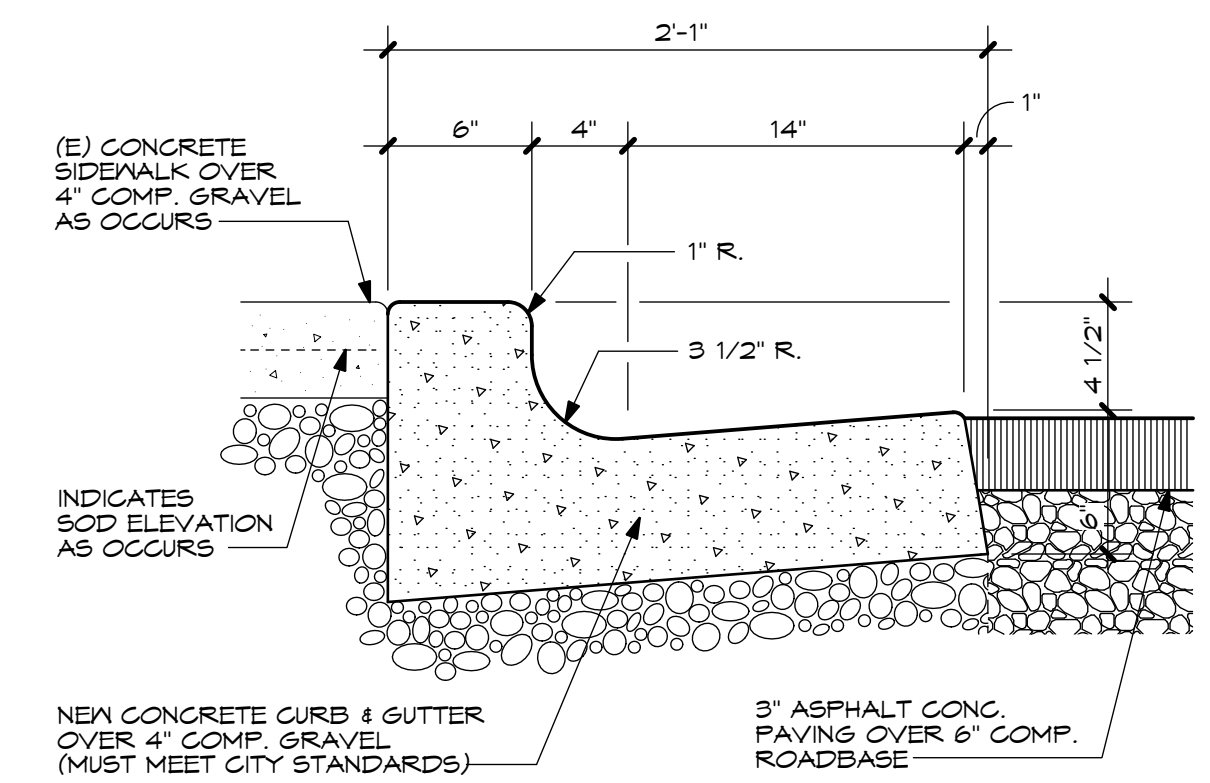
- SECURITY FENCING SHALL HAVE NON-DESTRUCTIVE POSTS.
- CONTRACTOR SHALL PROVIDE TEMP. BARRICADE AROUND CONST. AREA AND MAINTAIN PEDESTRIAN/VEHICULAR TRAFFIC.
- CONTRACTOR SHALL COORDINATE WITH OWNER LOCATION OF STAGING AND LAY-DOWN. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING PAVING DUE TO STORAGE OF MATERIALS AND CONSTRUCTION.

**KEYED NOTES:** (THIS DRAWING ONLY)

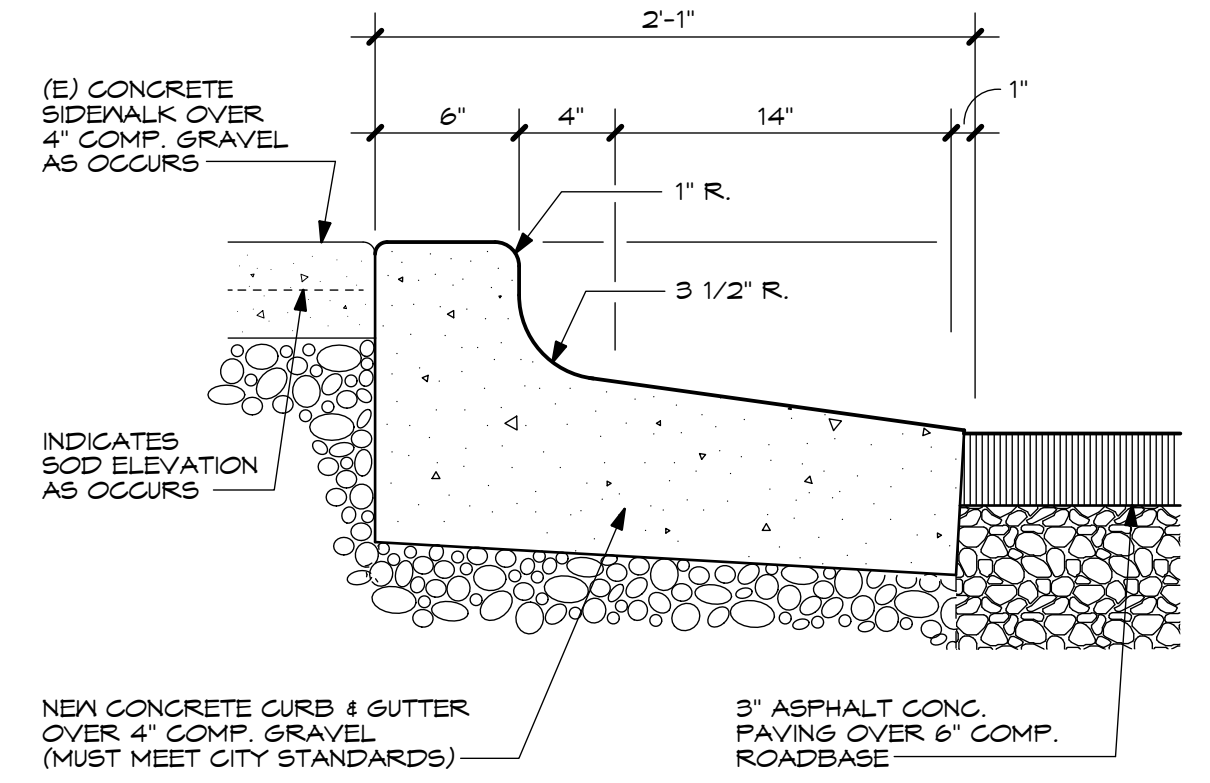
- (E) RAMP AND DOOR LANDING TO REMAIN - RETAIN AND PROTECT DURING CONST.
- (E) ROOF CANOPY TO REMAIN - RETAIN AND PROTECT DURING CONST.
- (E) HANDRAIL TO REMAIN. RAIL AND POSTS ARE TO BE SANDED AND PREPPED FOR NEW FINISH AS REQ'D
- ALTERNATE #1: NEW 3" ASPHALT PAVING OVER 6" COMPACTED ROADBASE - SEE PAVEMENT PROFILE DETAIL 2 & 3/A1.1
- ALTERNATE #1: NEW PARKING STRIPING
- (E) CONC. CURB AND GUTTER TO REMAIN - PROTECT DURING CONSTRUCTION
- PROVIDE NEW 4" CONCRETE MECH PAD AT AREAS SHOWN - REFER TO MECH SHEETS
- NEW 4" CONC. WALK - GRADE NEW WALK TO MATCH (E) WALK AND LANDING ELEVATIONS

**LEGEND:** (THIS DRAWING ONLY)

- PROPERTY LINE
- RAINWATER DRAIN TILE
- ( ) ROCKED-UP SUMP

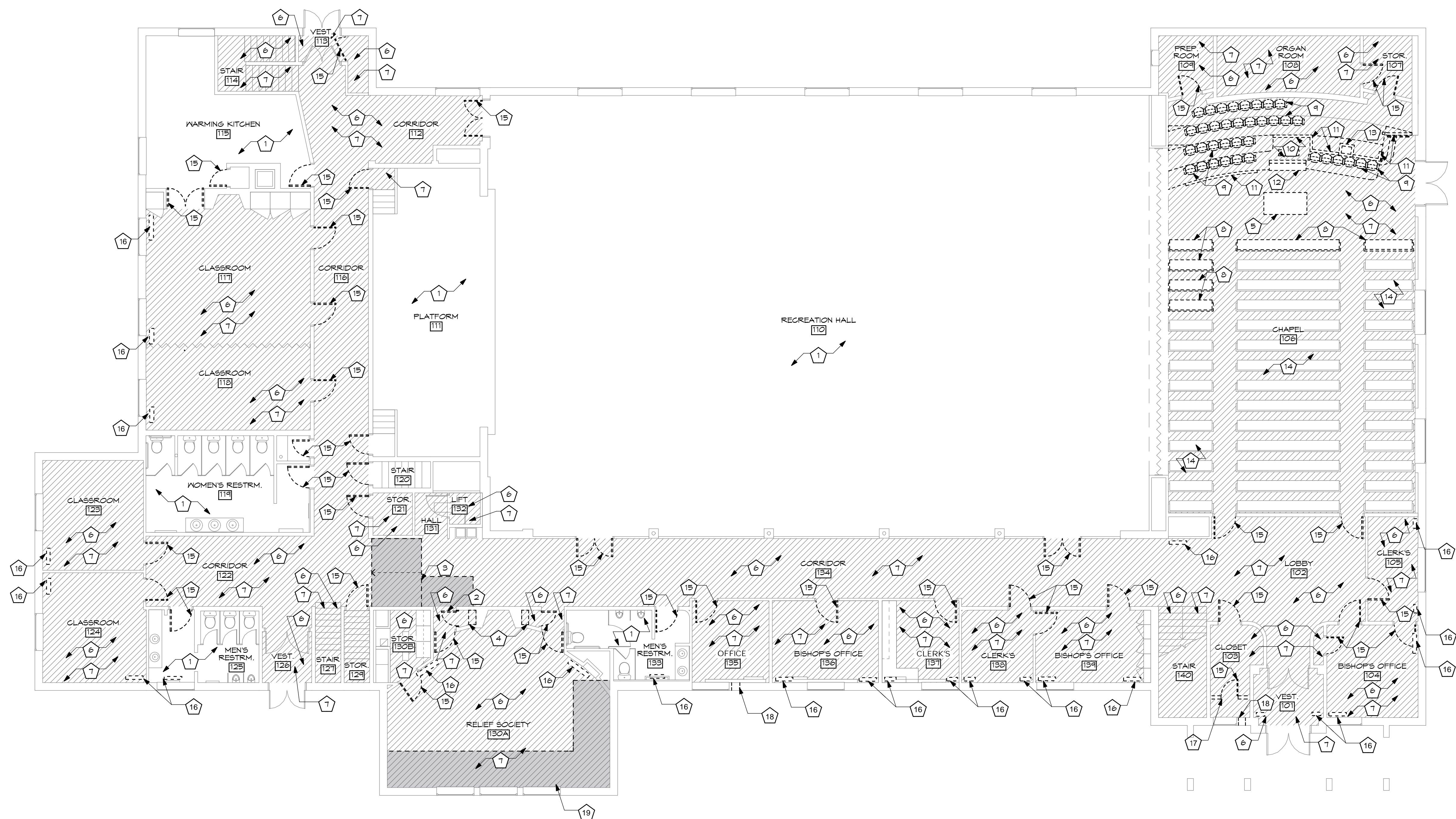


2 NEW CURB & GUTTER DETAIL (DRAIN SIDE)  
A1.1 1 1/2" = 1'-0"



3 NEW CURB & GUTTER DETAIL (HIGH SIDE)  
A1.1 1 1/2" = 1'-0"





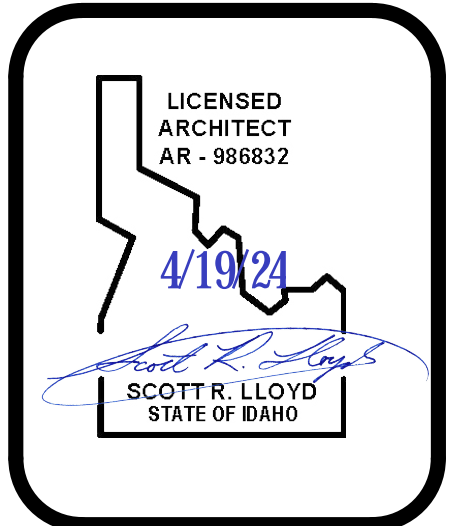
**1 FIRST FLOOR DEMOLITION PLAN**  
**A2.0**  
1/8" = 1'-0"



- GENERAL NOTES: (THIS DRAWING ONLY)**
- A. ROOM NUMBERS ARE UNIQUE TO THIS PROJECT AND ARE FOR CONSTRUCTION PURPOSES ONLY.
  - B. [Hatched Area] INDICATES ROOM OR AREA WHERE EXISTING FLOORING AND BASE HAS BEEN REMOVED BY ABATEMENT CONTRACTOR.
  - C. CONTRACTOR TO COORDINATE ACCESSIBILITY OF BUILDING WITH OWNER.
  - D. PREP. ALL (E) PAINTED WALL SURFACES FOR NEW PAINT.
  - E. REMOVE AND DISCARD OF ALL (E) RADIANT WALL UNITS THROUGHOUT THE (E) BUILDING - REFER TO MECH SHEETS

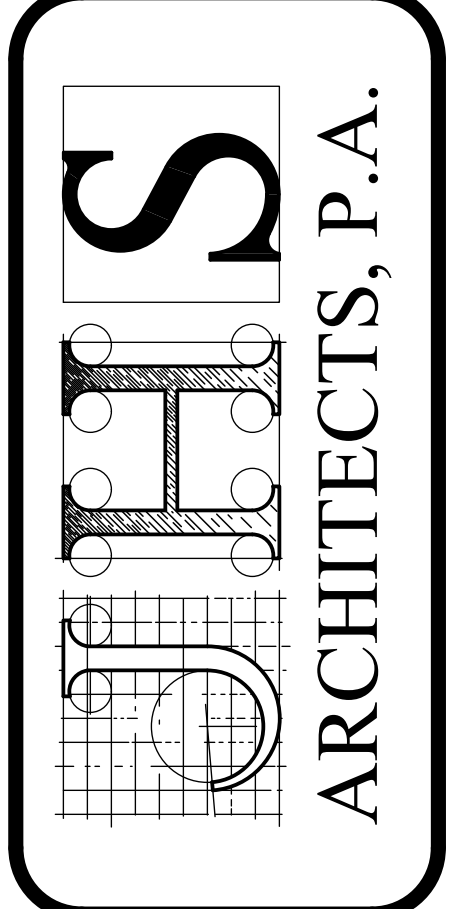
- KEYED NOTES: (THIS DRAWING ONLY)**
- 1 NO WORK IN THIS ROOM OR AREA
  - 2 REMOVE AND DISCARD (E) DOOR, FRAME AND HARDWARE
  - 3 REMOVE AND DISCARD OF (E) CONC. RAMP AND CONC. SLAB IN PREPARATION OF NEW RAMP AND STAIR.
  - 4 REMOVE AND DISCARD (E) EQUIPMENT IN THIS ROOM
  - 5 (E) TABLE TO BE REMOVED AND DISCARDED
  - 6 REMOVE (E) FLOOR FINISH AND WALL BASE IN THIS ROOM OR AREA (BY ABATEMENT CONTRACTOR)
  - 7 REMOVE COVERED ASBESTOS-CONTAINED VINYL FLOOR TILE (BY ABATEMENT CONTRACTOR)
  - 8 (E) PEWS TO BE REMOVED AND DISCARDED WHERE INDICATES
  - 9 (E) FIXED SEATS TO BE REMOVED AND DISCARDED
  - 10 REMOVE AND DISCARD OF (E) ROSTRUM PLATFORMS, FRAMING AND FINISHES
  - 11 REMOVE (E) PRIVACY WALLS AT ROSTRUM
  - 12 (E) PIPE ORGAN TO BE MOVED AND RELOCATED. CONTRACTOR SHALL PROTECT ORGAN DURING DEMOLITION AND CONST. - (E) ELECTRICAL TO BE SALVAGED FOR REUSE AT NEW LOCATION
  - 13 (E) PODIUM TO BE REMOVED - (E) ELECTRICAL LINES TO BE SALVAGED FOR REUSE AT NEW PODIUM LOCATION
  - 14 (E) PEWS TO BE MOVED AND RELOCATED. CONTRACTOR SHALL PROTECT PEWS DURING CONSTRUCTION
  - 15 REMOVE AND DISCARD (E) DOOR SLAB - (E) DOOR FRAME TO REMAIN
  - 16 SAW-CUT (E) CONC. SLAB FOR NEW MECH. GRILLE LOCATIONS - REFER TO MECH SHEETS FOR GRILLE SIZES
  - 17 REMOVE AND DISCARD (E) WALL AND DOOR FRAME
  - 18 REMOVE FACE BRICK AND WALL FRAMING AS REQ'D FOR NEW MECH. PENETRATION
  - 19 SHADED AREA INDICATES EXISTING CONC. SLAB TO BE REMOVED AND DISCARDED AND EXCAVATE FOR NEW MECH. TUNNEL INSTALLATION





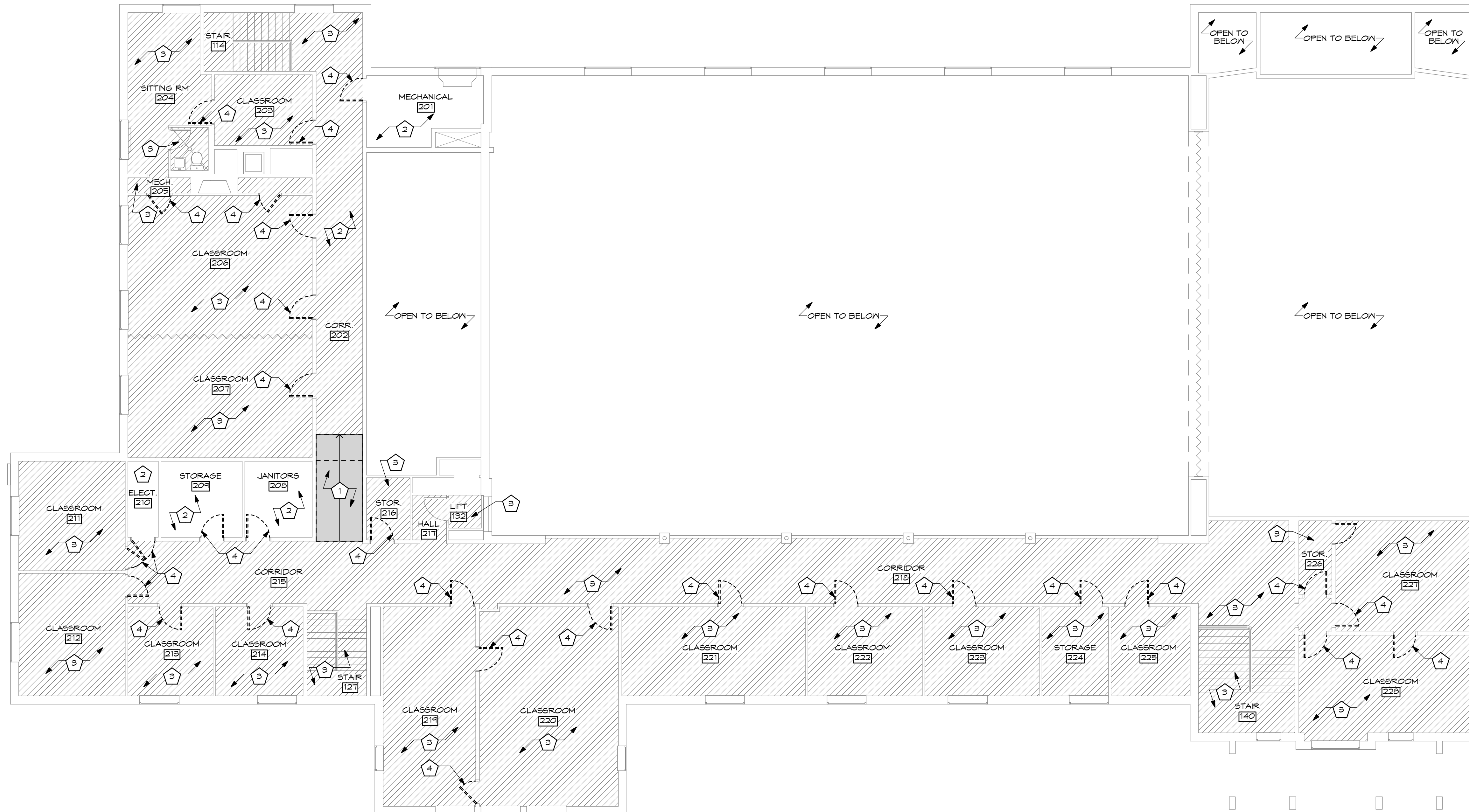
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MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO

SECOND FLOOR DEMOLITION PLAN



**1 SECOND FLOOR DEMOLITION PLAN**  
A2.1 1/8" = 1'-0"



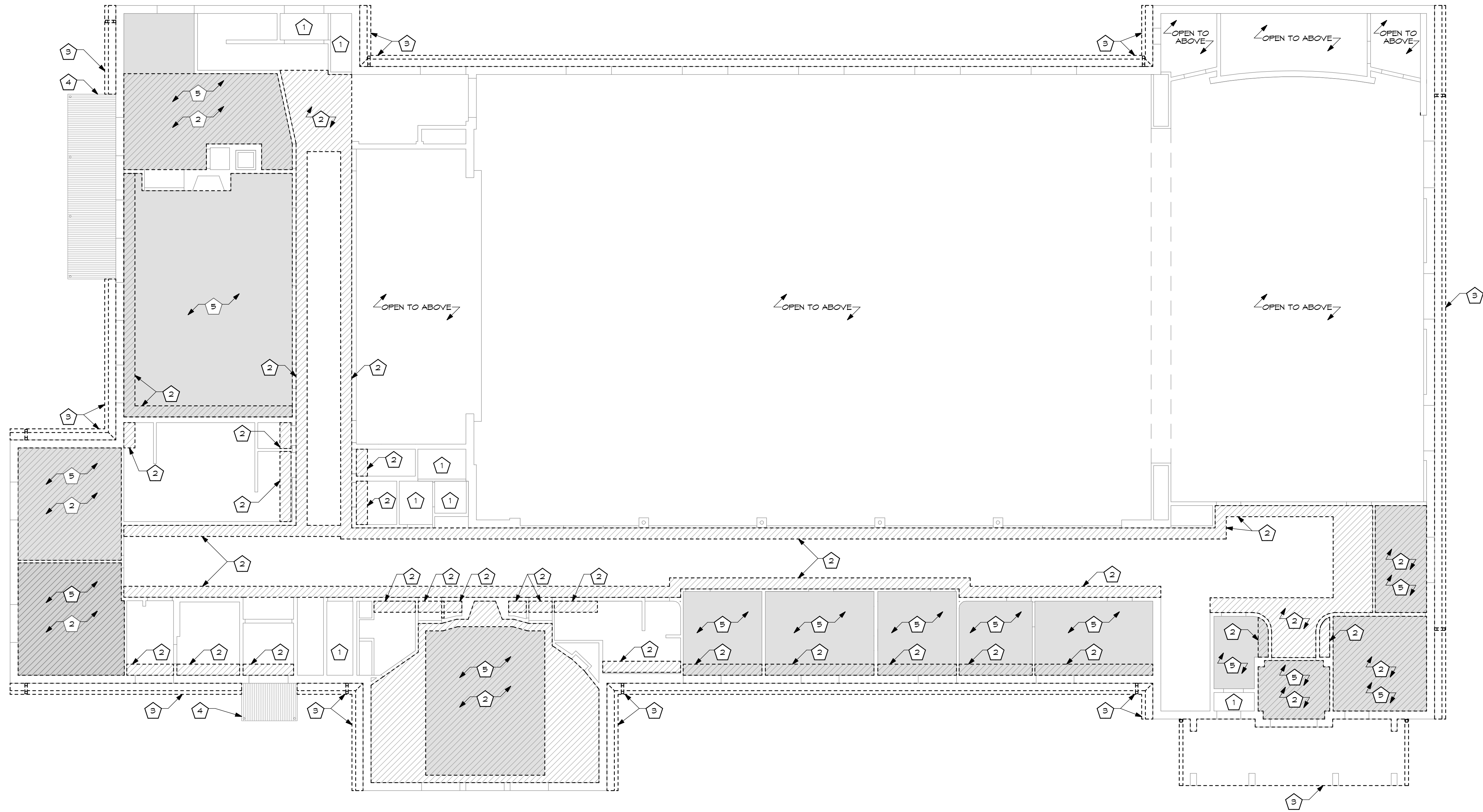
- GENERAL NOTES: (THIS DRAWING ONLY)**
- A. ROOM NUMBERS ARE UNIQUE TO THIS PROJECT AND ARE FOR CONSTRUCTION PURPOSES ONLY.
  - B. [Hatched Area] INDICATES ROOM OR AREA WHERE EXISTING FLOORING AND BASE HAS BEEN REMOVED BY ABATEMENT CONTRACTOR.
  - C. CONTRACTOR TO COORDINATE ACCESSIBILITY OF BUILDING WITH OWNER.
  - D. PREP. ALL (E) PAINTED WALL SURFACES FOR NEW PAINT.
  - E. REMOVE AND DISCARD OF ALL (E) RADIANT WALL UNITS THROUGHOUT THE (E) BUILDING - REFER TO MECH SHEETS

- KEYED NOTES: (THIS DRAWING ONLY)**
- 1 REMOVE (E) FLOOR JOISTS AND FLOOR SHEATHING FOR NEIRAMP INSTALLATION - SEE DET. 1/A6.5 FOR DEMOLITION REQUIREMENTS
  - 2 REMOVE (E) FLOOR FINISH AND WALL BASE IN THIS ROOM OR AREA
  - 3 REMOVE AND DISCARD (E) CARPET, COVERED ASBESTOS-CONTAINED VINYL FLOOR TILE AND WALL BASE (BY ABATEMENT CONTRACTOR)
  - 4 REMOVE AND DISCARD (E) DOOR SLAB - (E) DOOR FRAME TO REMAIN

REVISIONS:

DATE: APR 24  
DRAWING NO. A2.1  
JOB NO. 2214  
5 OF 23





**1 FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN**  
**A2.2** 1/8" = 1'-0"

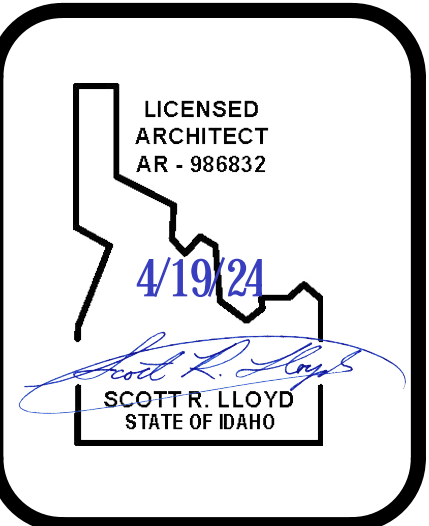


**GENERAL NOTES: (THIS DRAWING ONLY)**

- A. ROOM NUMBERS ARE UNIQUE TO THIS PROJECT AND ARE FOR CONSTRUCTION PURPOSES ONLY.
- B. CONTRACTOR TO COORDINATE ACCESSIBILITY OF BUILDING WITH OWNER.

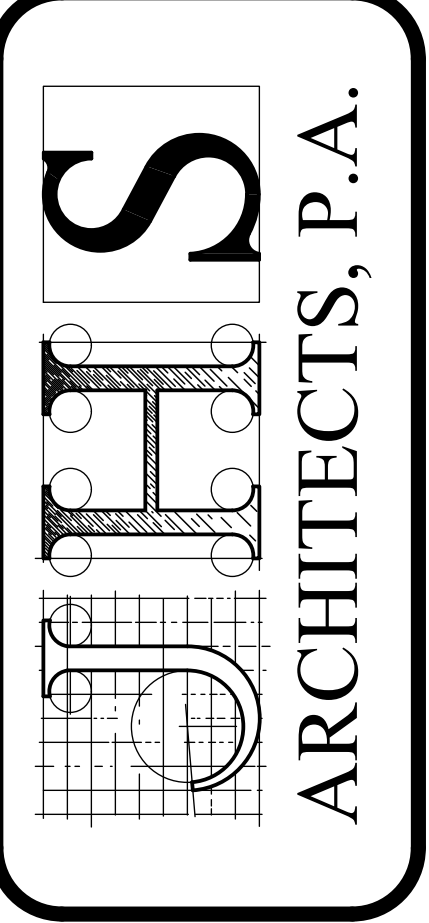
**KEYED NOTES: (THIS DRAWING ONLY)**

- 1 NO WORK IN THIS ROOM OR AREA
- 2 [Hatched Pattern] INDICATES CEILING DEMOLITION FOR DIAPHRAGM REQUIREMENTS - REFER TO STRUCTURAL SHEETS, REMOVE (E) CEILING TILES AND SUBSTRATE AS NECESSARY FOR STRUCTURAL WORK. SALVAGE LIGHT FIXTURES AND CEILING MOUNTED COMPONENTS FOR REINSTALLATION
- 3 [Dotted Pattern] INDICATES (E) SOFFIT w/ RAINGUTTERS AND DOWNSPOUTS TO BE REMOVED ABOVE - REF A2.3 SHEET
- 4 [Horizontal Line Pattern] INDICATES (E) SOFFIT w/ RAINGUTTERS AND DOWNSPOUTS TO REMAIN
- 5 [Cross-hatched Pattern] INDICATES (E) CEILING TILE TO BE REMOVED AND DISCARDED



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**MALAD CHAPEL REMODEL**  
**200 W. 400 N., MALAD CITY, IDAHO**

**FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN**

REVISIONS:

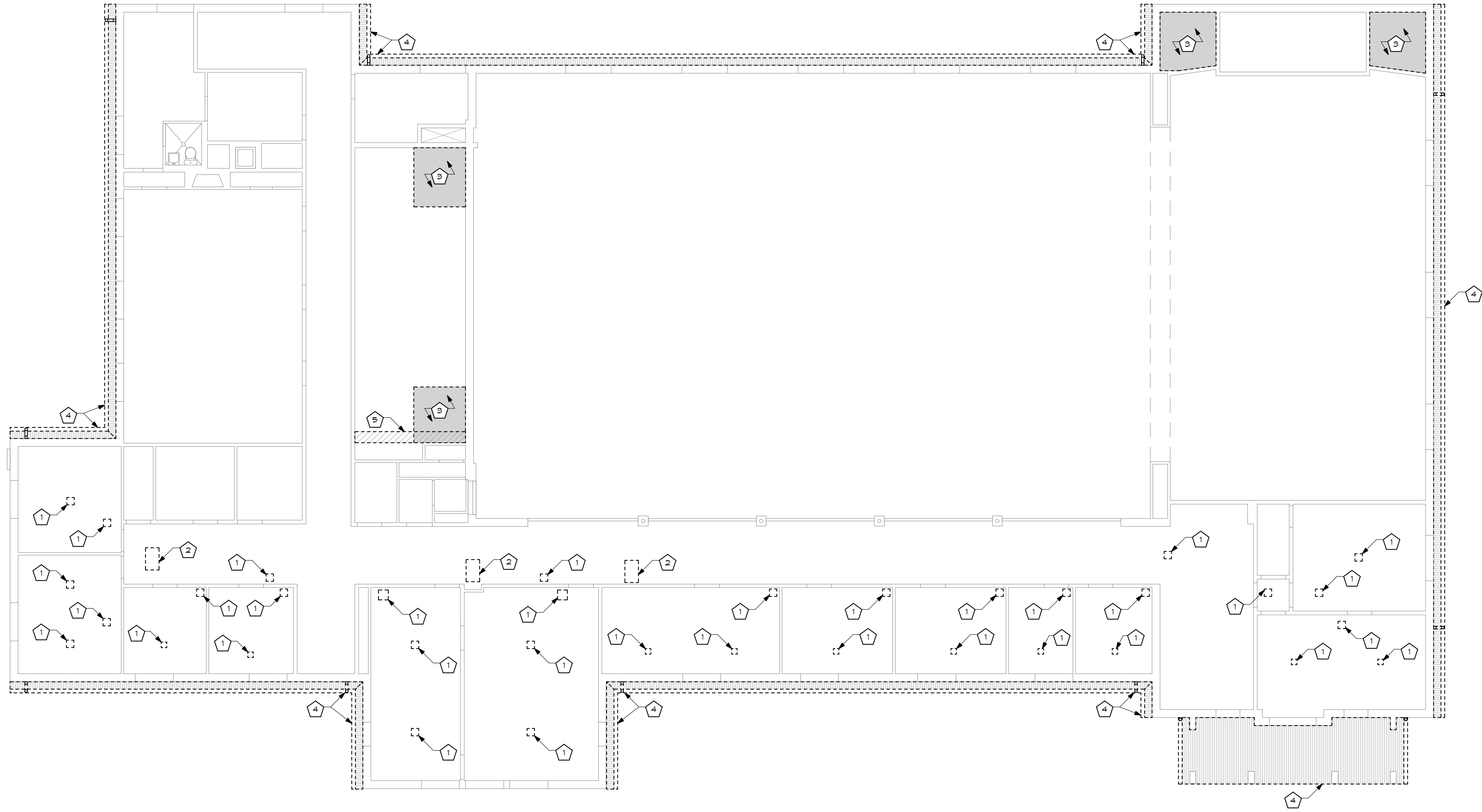
DATE:  
 APR 24

JOB NO.  
 2214

DRAWING NO.

**A2.2**  
 6 OF 23





**1 SECOND FLOOR DEMOLITION REFLECTED CEILING PLAN**  
**A2.3** 1/8" = 1'-0"

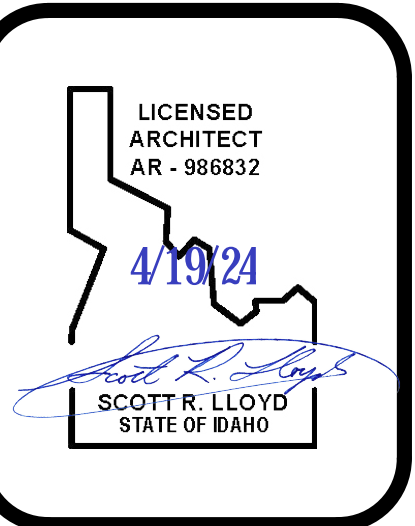


**GENERAL NOTES:** (THIS DRAWING ONLY)

- A. ROOM NUMBERS ARE UNIQUE TO THIS PROJECT AND ARE FOR CONSTRUCTION PURPOSES ONLY.
- B. CONTRACTOR TO COORDINATE ACCESSIBILITY OF BUILDING WITH OWNER.

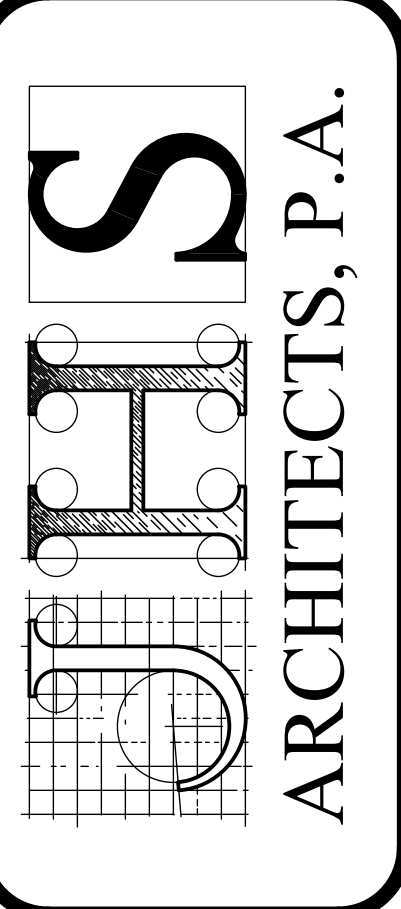
**KEYED NOTES:** (THIS DRAWING ONLY)

- 1 CUT AND REMOVE CEILING TILE AND SUBSTRATE AT NEW MECH. DIFFUSER LOCATIONS - REFER TO MECH. SHEETS
- 2 CUT AND REMOVE CEILING TILE AND SUBSTRATE AT NEW ATTIC ACCESS LOCATION (22'x36')
- 3 [---] INDICATES LOCATION FOR DIAPHRAGM REQUIREMENTS FOR FRAMING AT STAGE AND ROSTRUM - REFER TO STRUCTURAL SHEETS
- 4 [---] INDICATES (E) SOFFIT w/ RAINGUTTERS AND DOWNSPOUTS TO BE REMOVED
- 5 [---] INDICATES CEILING DEMOLITION FOR DIAPHRAGM REQUIREMENTS - REFER TO STRUCTURAL SHEETS. REMOVE (E) CEILING TILES AND SUBSTRATE AS NECESSARY FOR STRUCTURAL WORK. SALVAGE (E) CEILING TILE, LIGHT FIXTURES AND CEILING MOUNTED COMPONENTS FOR REINSTALLATION



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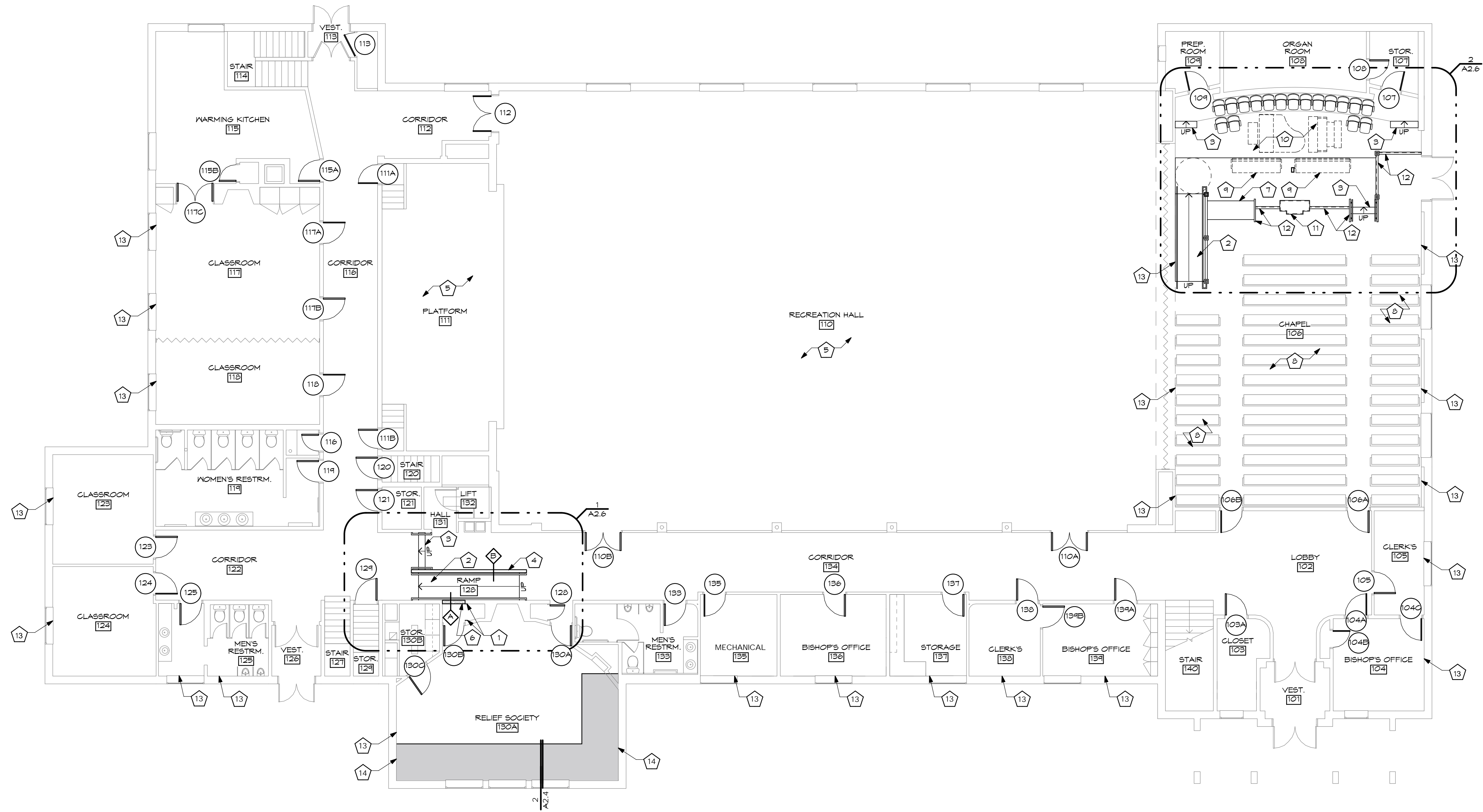
**MALAD CHAPEL REMODEL**  
**200 W. 400 N., MALAD CITY, IDAHO**

**SECOND FLOOR DEMOLITION REFLECTED CEILING PLAN**

REVISIONS:

DATE: APR 24  
 DRAWING NO. **A2.3**  
 JOB NO. 2214  
 1 OF 23

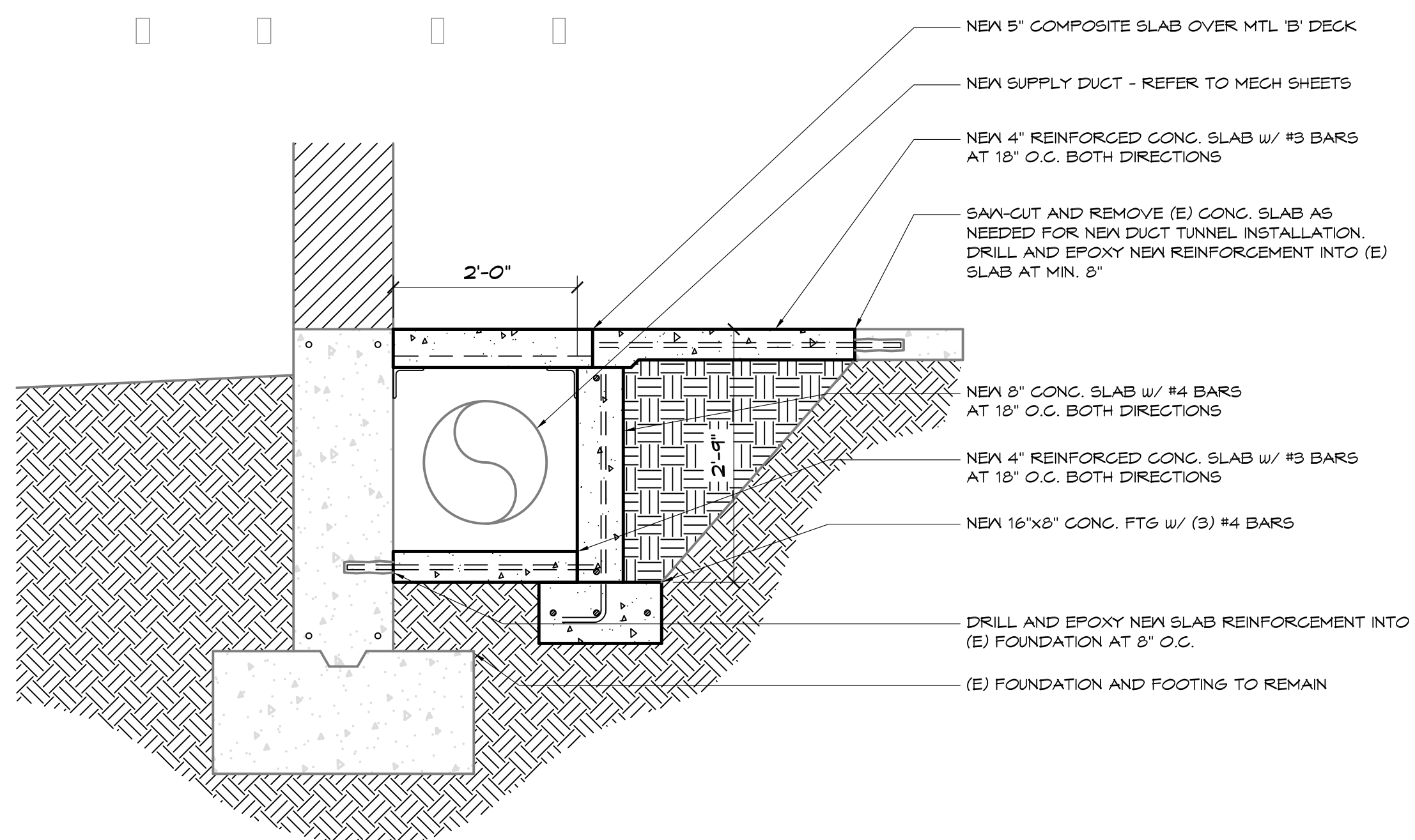




**1 FIRST FLOOR PLAN**  
A2.4  
1/8" = 1'-0"  
NORTH

- GENERAL NOTES: (THIS DRAWING ONLY)**
- ROOM NUMBERS ARE UNIQUE TO THIS PROJECT AND ARE FOR CONSTRUCTION PURPOSES ONLY.
  - RETAIN AND PROTECT ALL AREAS OF THE BUILDING THAT ARE NOT INVOLVED IN THIS PROJECT.
  - PATCH AND REPAIR EXISTING WALLS WHERE DAMAGE HAS OCCURRED DUE TO DEMOLITION.
  - PATCH AND REPAIR WALLS WHERE RADIANT WALL HEATERS AND MINI-SPLIT SYSTEMS ARE BEING REMOVED - REFER TO MECH SHEETS

- KEYED NOTES: (THIS DRAWING ONLY)**
- |    |  |    |  |
|----|--|----|--|
| 1  | PATCH AND REPAIR WALL WHERE DAMAGED BY WALL DEMOLITION   | 11 | NEW ROSTRUM - RELOCATE (E) ELECT. TO NEW PODIUM, SACRAMENT TABLE, AND ORGAN LOCATIONS                    |
| 2  | NEW RAMP - SEE ENLARGED PLAN 1/A2.6 AND 2/A2.6   | 12 | NEW PRIVACY WALL AT ROSTRUM  |
| 3  | NEW STAIR - SEE ENLARGED PLAN 1/A2.6 AND 2/A2.6  | 13 | PATCH AND REPAIR WALL IN AREAS WHERE RADIATORS WERE REMOVED  |
| 4  | NEW HALF WALLS - SEE DETAIL B/A2.6   | 14 | NEW 4" REINFORCED CONCRETE SLAB W/ 5" COMPOSITE CONC. DECK AT ALONG BUILDING PERIMETER - SEE DET. 2/A2.4 |
| 5  | NO WORK IN THIS ROOM OR AREA   |    |  |
| 6  | INFILL (E) OPENING W/ INTERIOR WALL SYSTEM   |    |  |
| 7  | (E) PIPE ORGAN TO BE MOVED AND RELOCATED. CONTRACTOR SHALL PROTECT ORGAN DURING DEMOLITION AND CONST. REFER TO ELECTRICAL SHEETS FOR ELECTRICAL REQUIREMENTS |    |  |
| 8  | (E) PEWS TO BE RELOCATED. CONTRACTOR SHALL PROTECT PEWS DURING CONSTRUCTION  |    |  |
| 9  | NEW PEWS AT ROSTRUM  |    |  |
| 10 | RELOCATE (E) PIANO AND (E) ORGAN TO NEW LOCATION AS SHOWN.   |    |  |



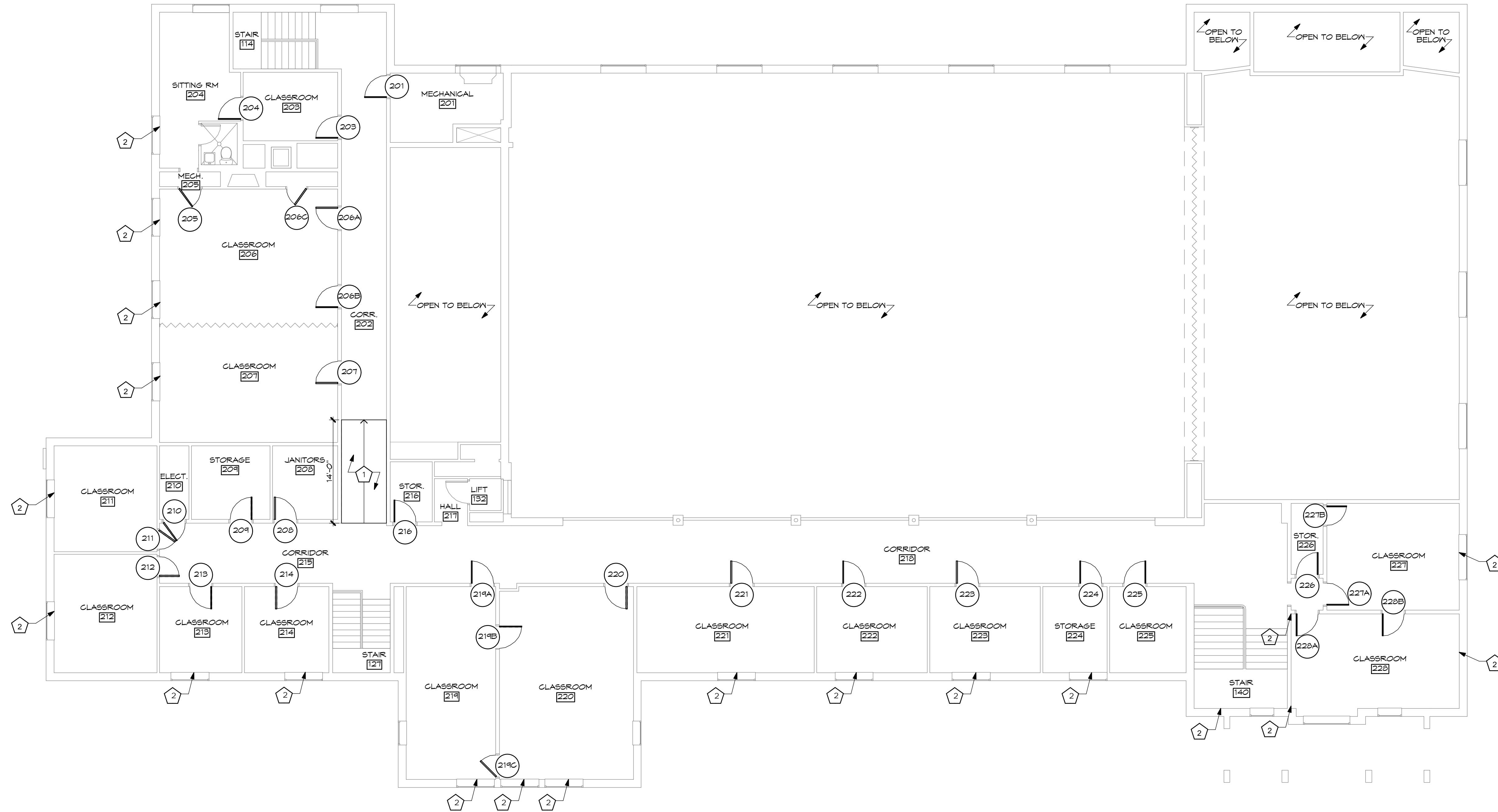
**2 DUCT TUNNEL DETAIL**  
A2.4  
3/4" = 1'-0"

REVISIONS:

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DATE: APR 24	DRAWING NO. <b>A2.4</b>
JOB NO. 2214	8 OF 28





**1 SECOND FLOOR PLAN**  
**A2.5**

1/8" = 1'-0"

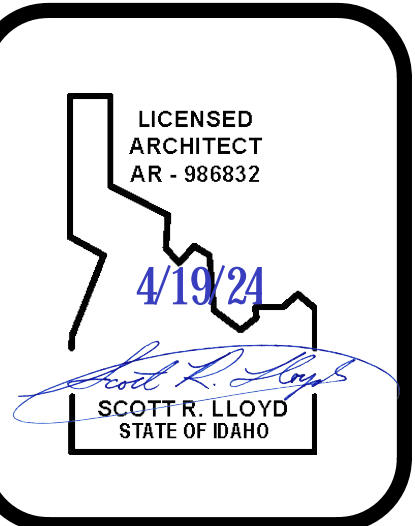


**GENERAL NOTES: (THIS DRAWING ONLY)**

- A. ROOM NUMBERS ARE UNIQUE TO THIS PROJECT AND ARE FOR CONSTRUCTION PURPOSES ONLY.
- B. RETAIN AND PROTECT ALL AREAS OF THE BUILDING THAT ARE NOT INVOLVED IN THIS PROJECT.
- C. PATCH AND REPAIR EXISTING WALLS WHERE DAMAGE HAS OCCURED DUE TO DEMOLITION.
- D. PATCH AND REPAIR WALLS WHERE RADIANT WALL HEATERS AND MINI-SPLIT SYSTEMS ARE BEING REMOVED - REFER TO MECH SHEETS

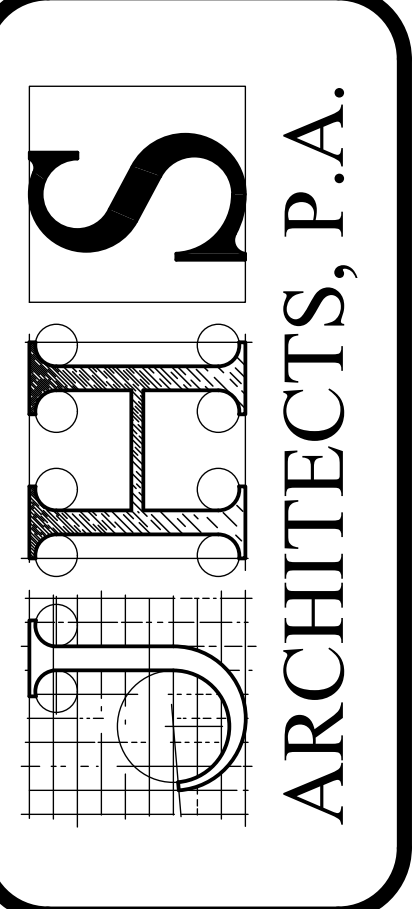
**KEYED NOTES: (THIS DRAWING ONLY)**

- 1 NEW RAMP - SEE DET 1/A6.5 FOR NEW FRAMING REQUIREMENTS
- 2 PATCH AND REPAIR WALL IN AREAS WHERE RADIATORS WERE REMOVED



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**MALAD CHAPEL REMODEL**  
**200 W. 400 N., MALAD CITY, IDAHO**

**SECOND FLOOR PLAN**

REVISIONS:

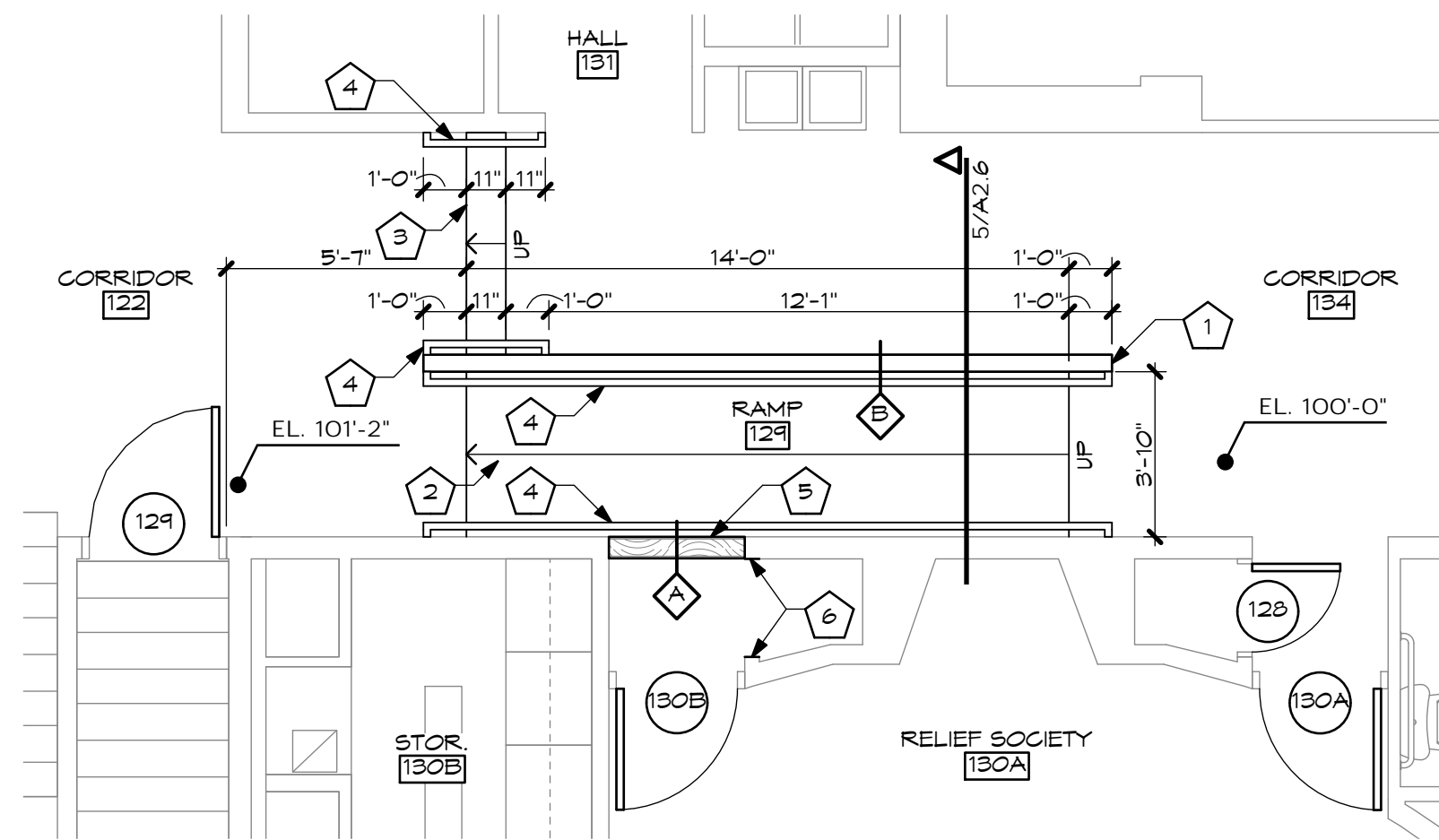
DATE:  
 APR 24

DRAWING NO.  
**A2.5**

JOB NO.  
 2214

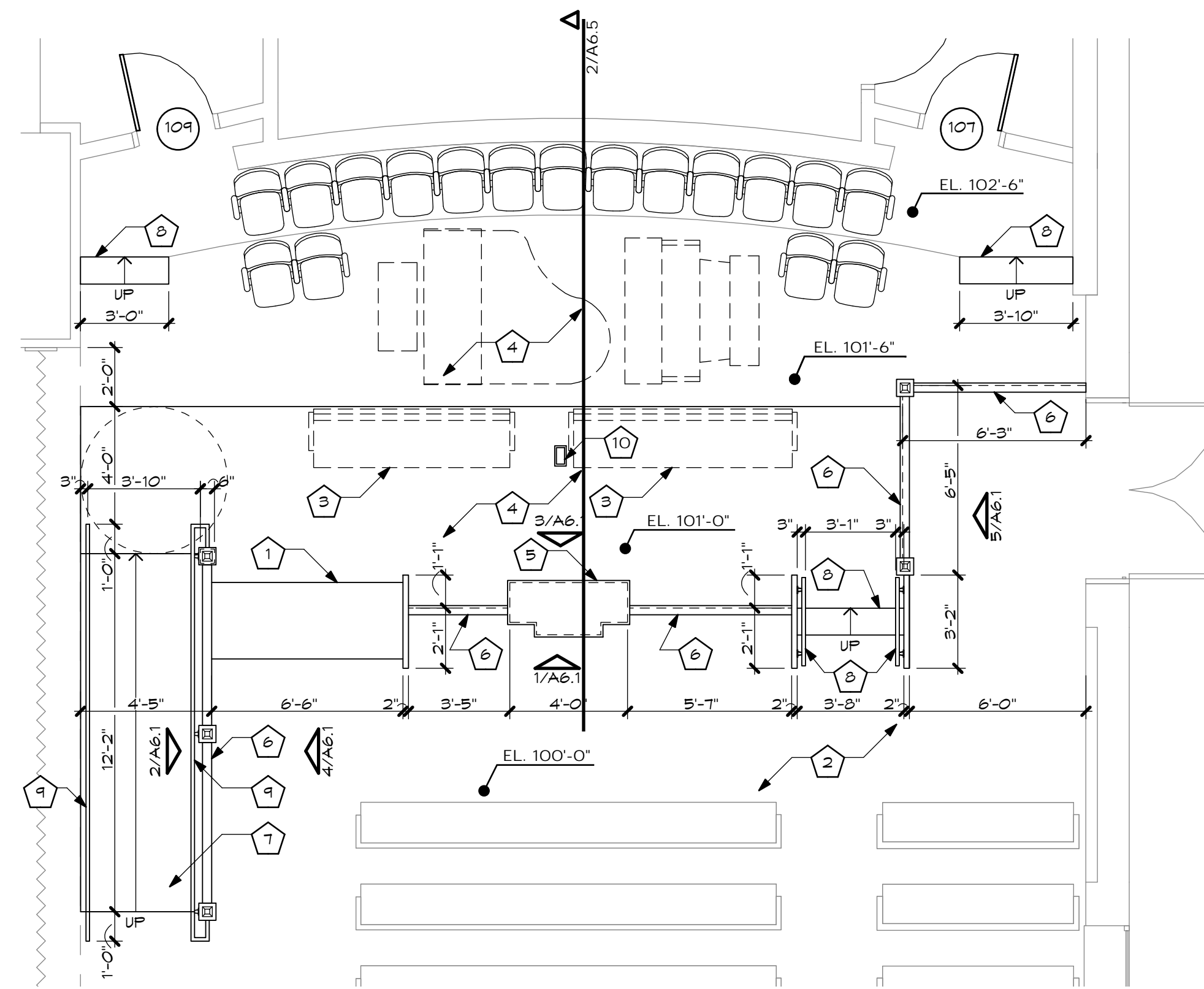
1 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
 UPDATE: 04-10-24  
 DRAWN BY: th



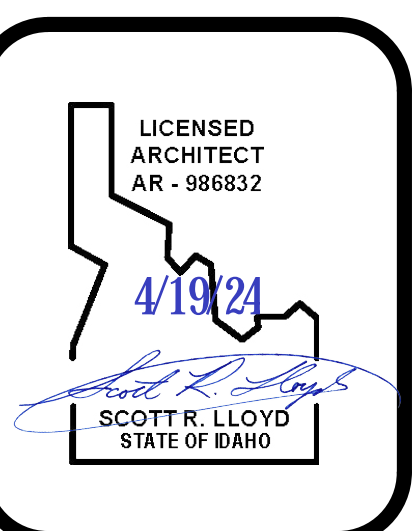
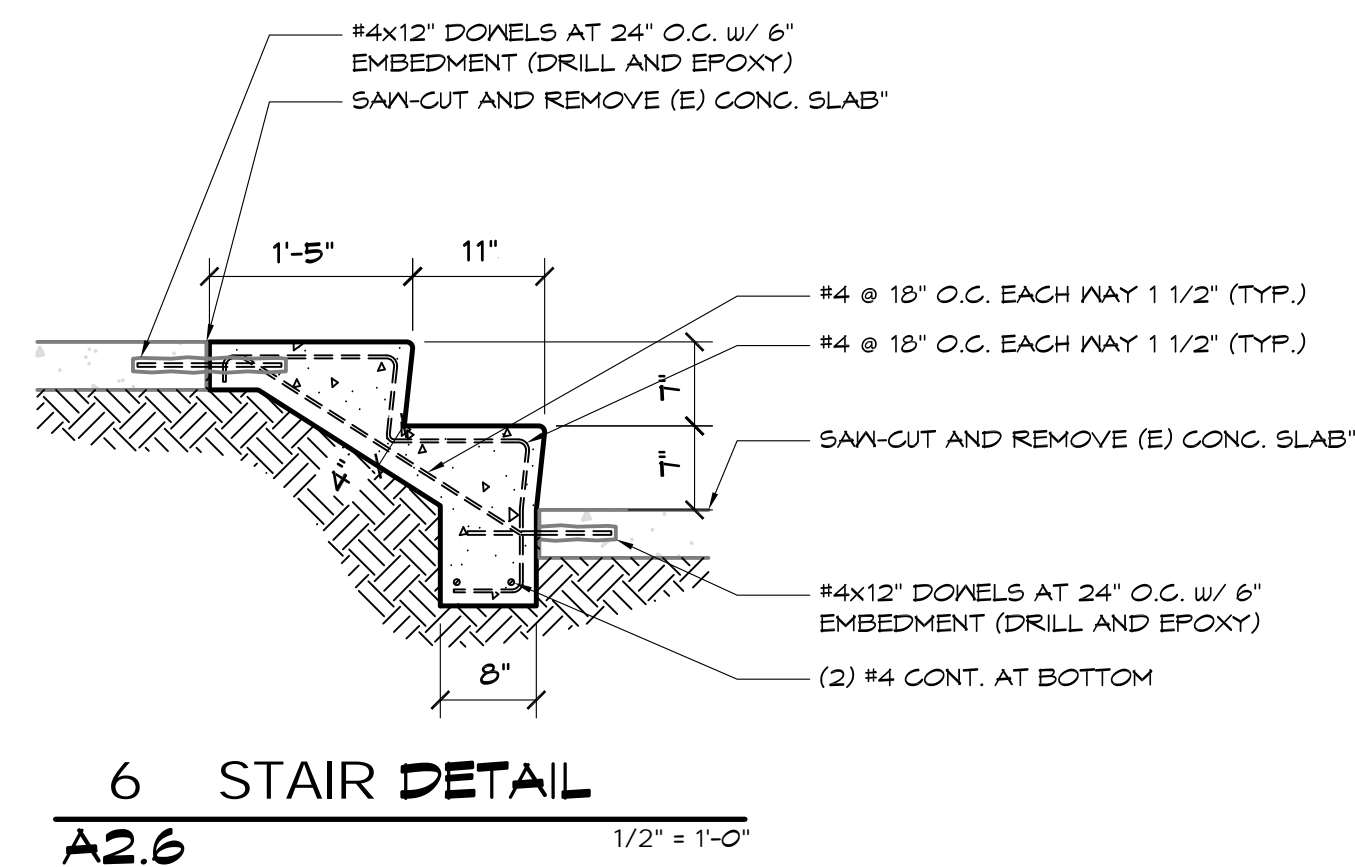
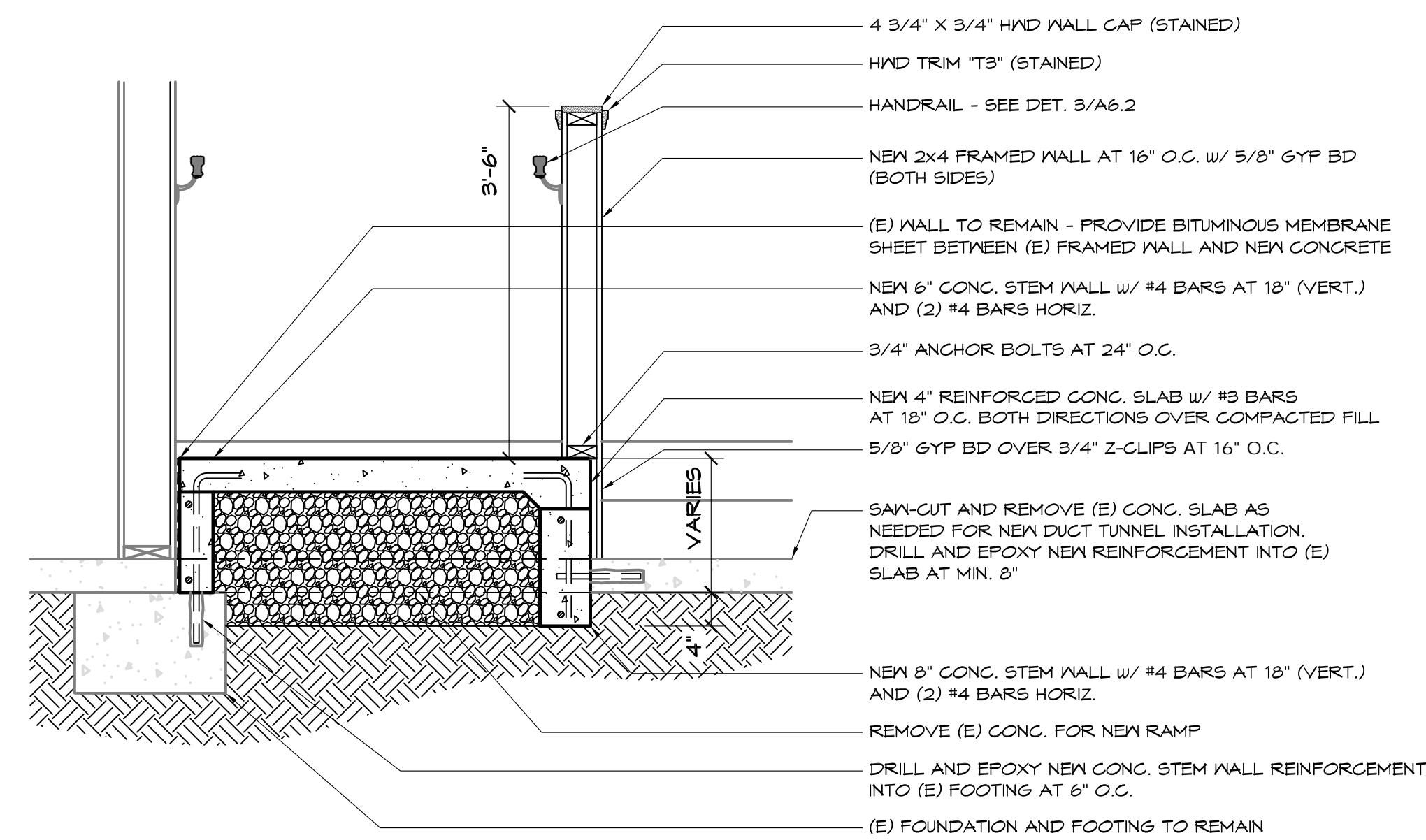
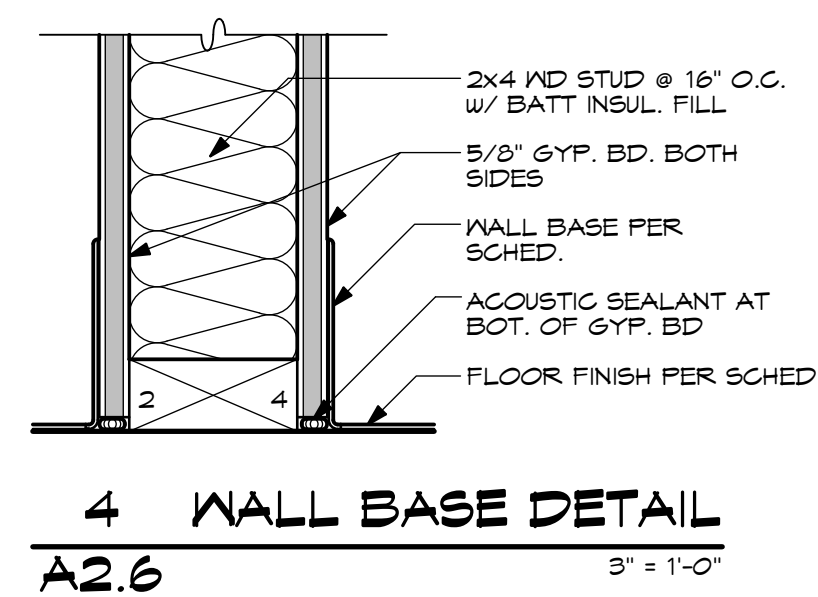
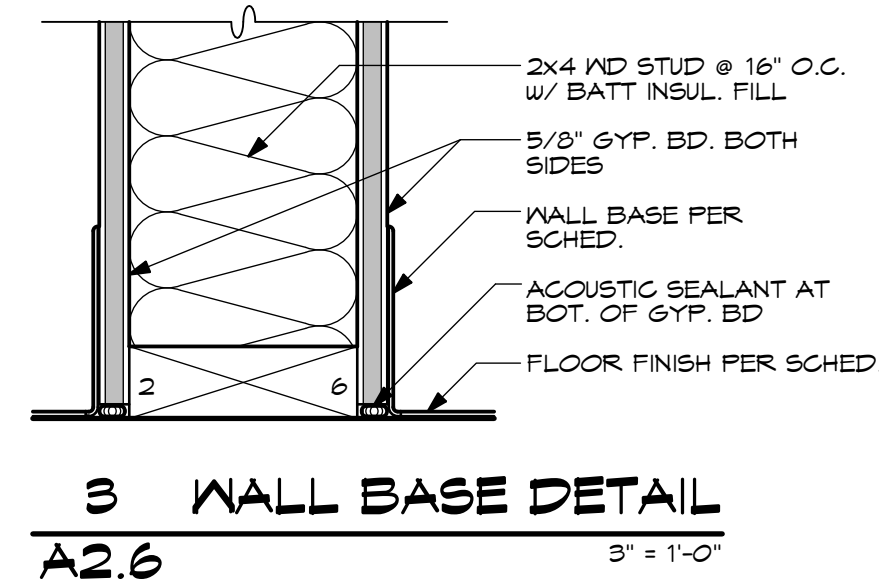
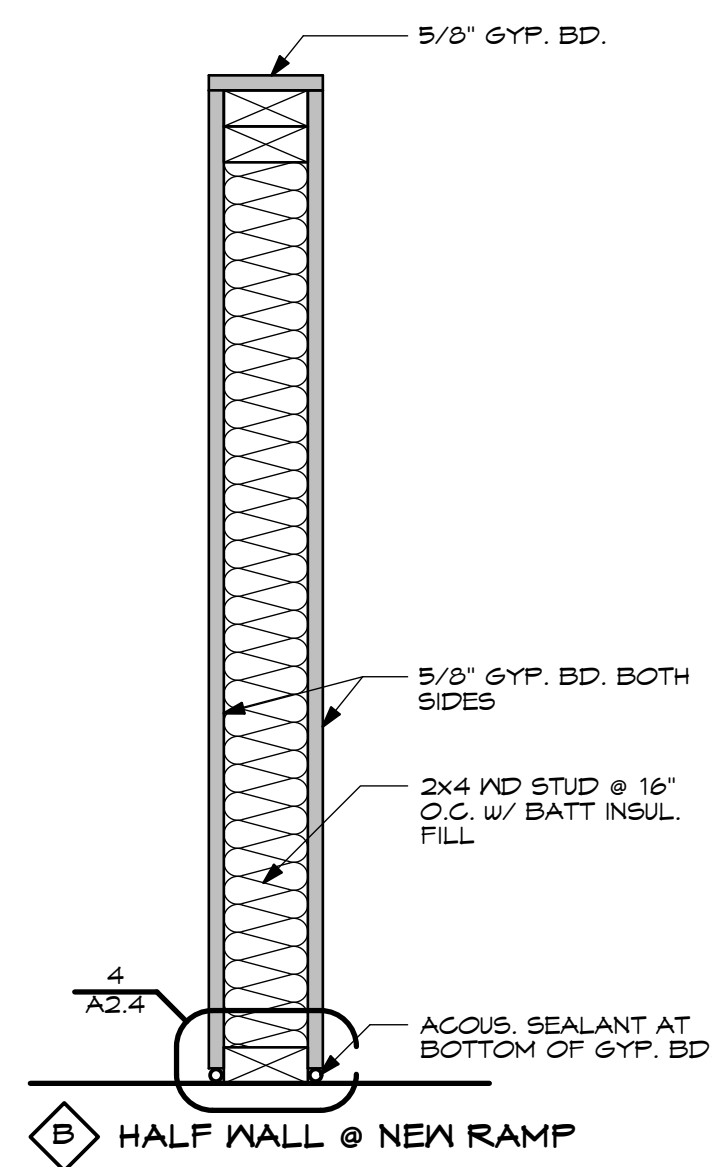
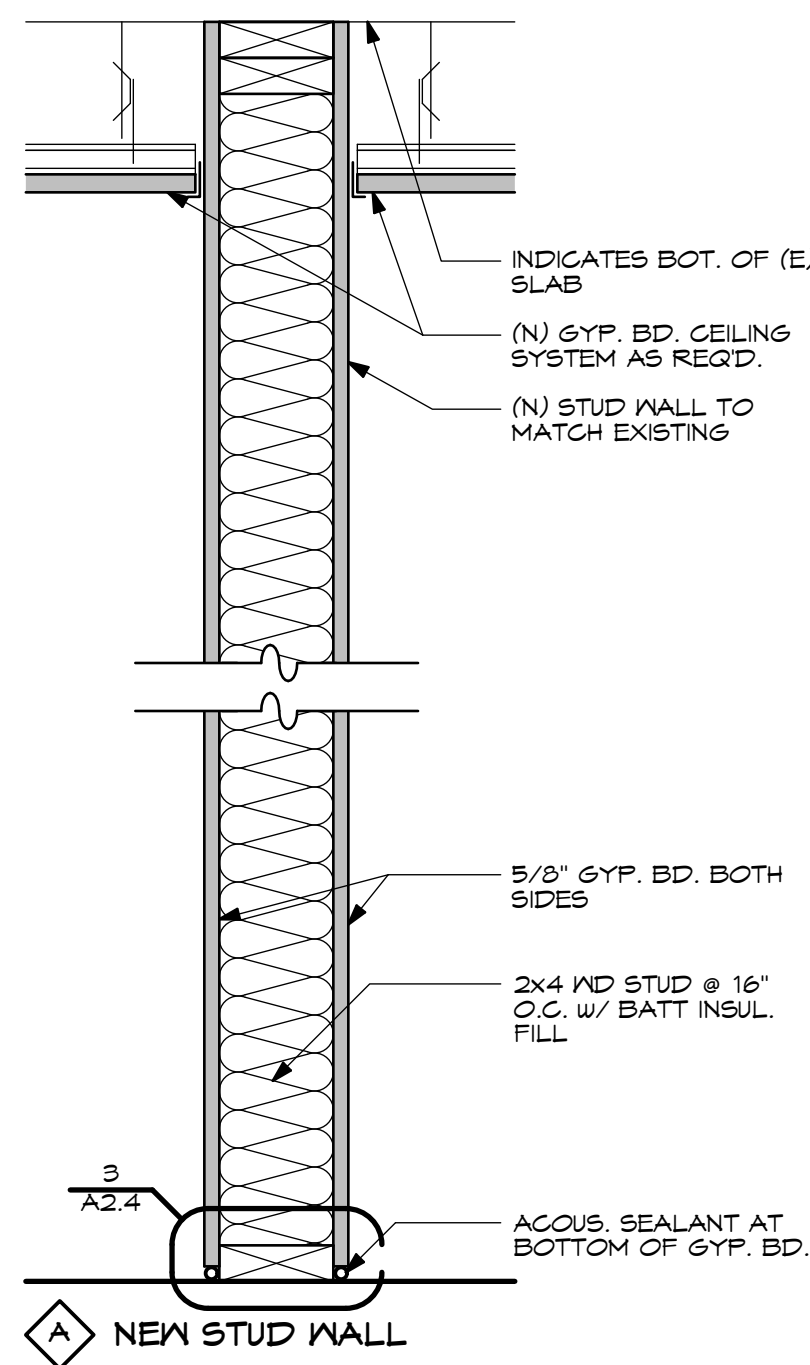
**1 ENLARGED PLAN**  
A2.6 1/4" = 1'-0"  
NORTH

- KEYED NOTES: (THIS DRAWING ONLY)**
- 1 NEW HALF WALL - SEE WALL TYPES
  - 2 NEW 4" CONC. RAMP - MAX. SLOPE 1:12
  - 3 NEW CONC. STAIR - SEE DET. 6/A2.6
  - 4 HANDRAIL BOTH SIDES - SEE DET. 3/A6.2
  - 5 INFILL (E) OPENING W/ INTERIOR WALL SYSTEM
  - 6 PATCH AND REPAIR WALL WHERE DAMAGED BY WALL DEMOLITION

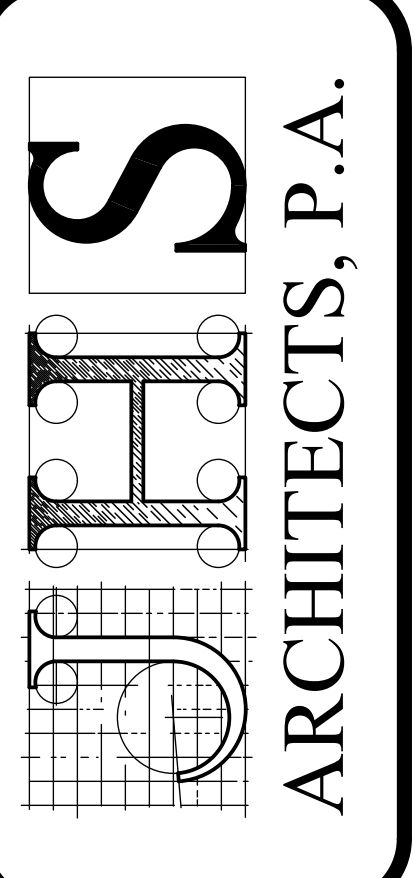


**2 ENLARGED PLAN**  
A2.6 1/4" = 1'-0"  
NORTH

- KEYED NOTES: (THIS DRAWING ONLY)**
- 1 (E) PIPE ORGAN TO BE RELOCATED
  - 2 (E) PEAS TO BE RELOCATED
  - 3 NEW PEAS - SEE SPECS
  - 4 NEW PODIUM AS NECESSARY
  - 5 NEW ROSTRUM
  - 6 NEW PRIVACY WALL AT ROSTRUM
  - 7 NEW RAMP - MAX. SLOPE 1:12
  - 8 NEW STAIR
  - 9 HANDRAIL BOTH SIDES
  - 10 NEW CONTROL PEDESTAL - SEE DET. 5/A6.2



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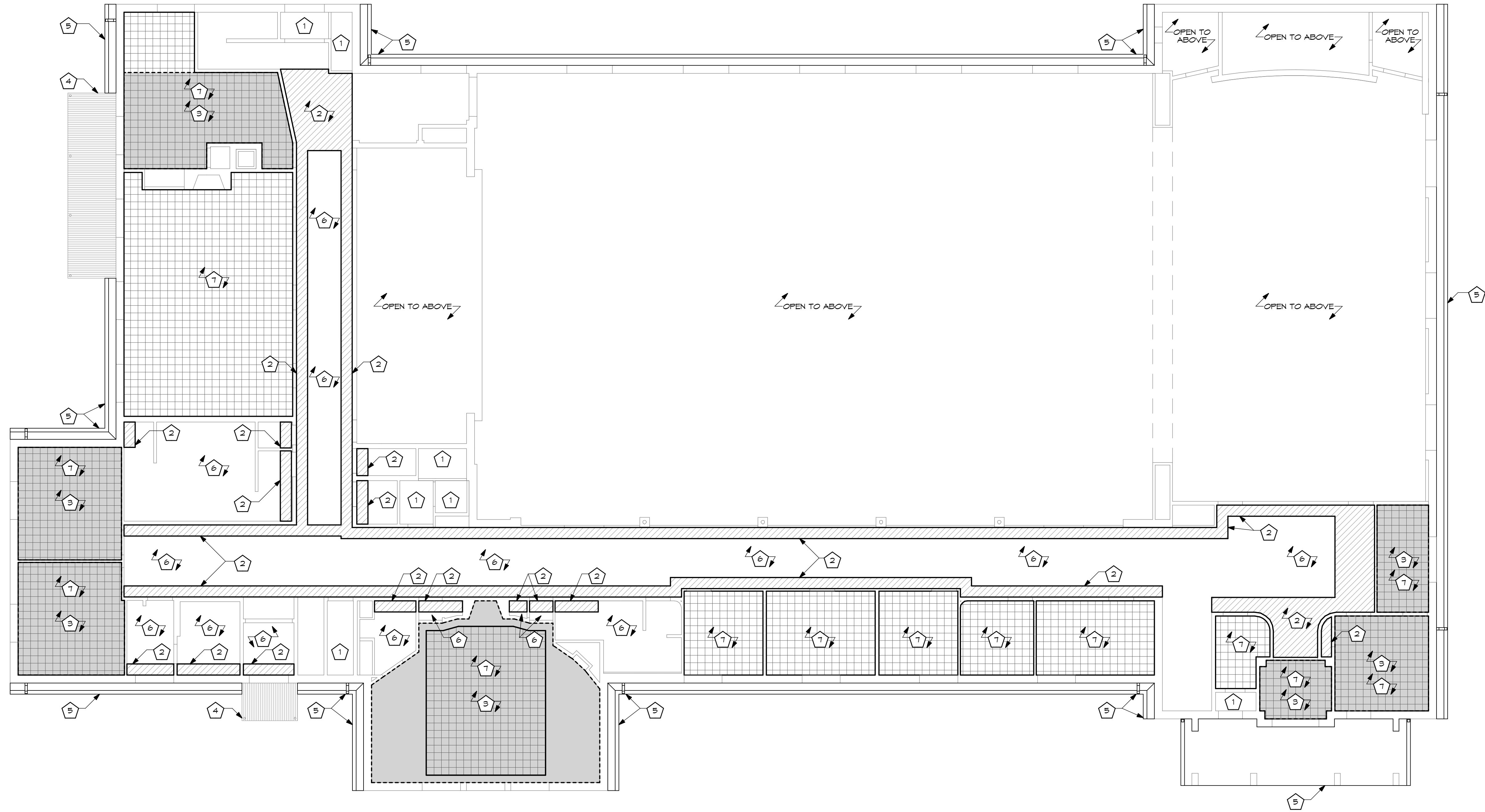
MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO  
ENLARGED PLANS, WALL TYPES AND DETAILS

REVISIONS:

DATE: APR 24  
DRAWING NO. A2.6  
JOB NO. 2214  
10 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
UPDATE: 04-10-24  
DRAWN BY: th





**1 FIRST FLOOR REFLECTED CEILING PLAN**  
**A2.7**

1/8" = 1'-0"

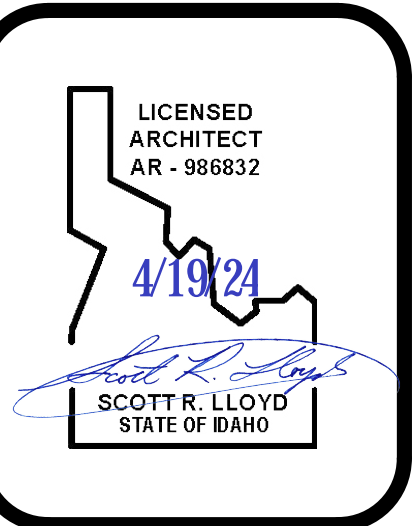


**GENERAL NOTES:** (THIS DRAWING ONLY)

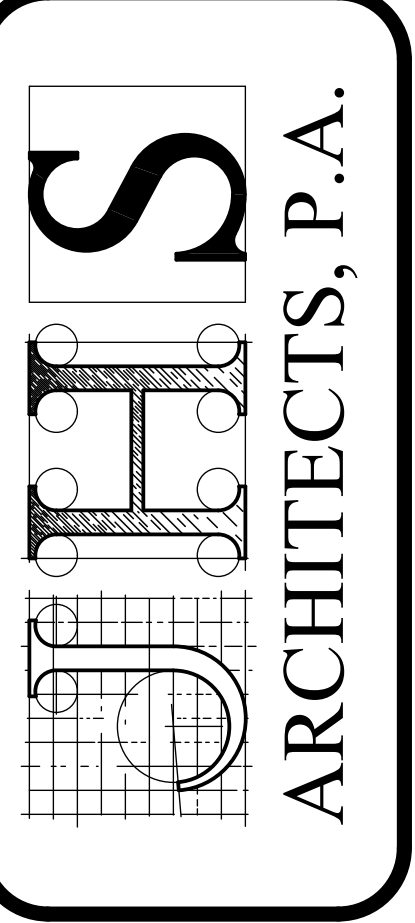
- A. ROOM NUMBERS ARE UNIQUE TO THIS PROJECT AND ARE FOR CONSTRUCTION PURPOSES ONLY.
- B. CONTRACTOR TO COORDINATE ACCESSIBILITY OF BUILDING WITH OWNER.

**KEYED NOTES:** (THIS DRAWING ONLY)

- 1 NEW MECH. DIFFUSERS - REFER TO MECH. SHEETS
- 2 [Hatched pattern] INSTALL NEW 5/8" GYP. BD. AT AREAS DEMOLISHED DUE TO STRUCTURAL WORK, MUD AND TEXTURE GYP. BD. PATCHES TO MATCH EXISTING, REINSTALL SALVAGED LIGHT FIXTURES AND CEILING MOUNTED COMPONENTS
- 3 [Dotted pattern] REINSTALL SALVAGED LIGHT FIXTURES AND CEILING MOUNTED COMPONENTS AS REQ'D DUE TO STRUCTURAL WORK, IF NEEDED INSTALL NEW 5/8" GYP. BD. SUBSTRATE (OR EQUAL) TO MATCH EXISTING
- 4 [Horizontal line pattern] INDICATES (E) SOFFIT w/ RAINGUTTERS AND DOWNSPOUTS TO REMAIN
- 5 [Vertical line pattern] INDICATES NEW SOFFIT w/ RAINGUTTERS AND DOWNSPOUTS ABOVE - REF A2.8 SHEET
- 6 (E) CEILINGS TO BE PAINTED
- 7 INSTALL NEW 12"x12" GLUE-UP CEILING TILE AT (E) CEILING



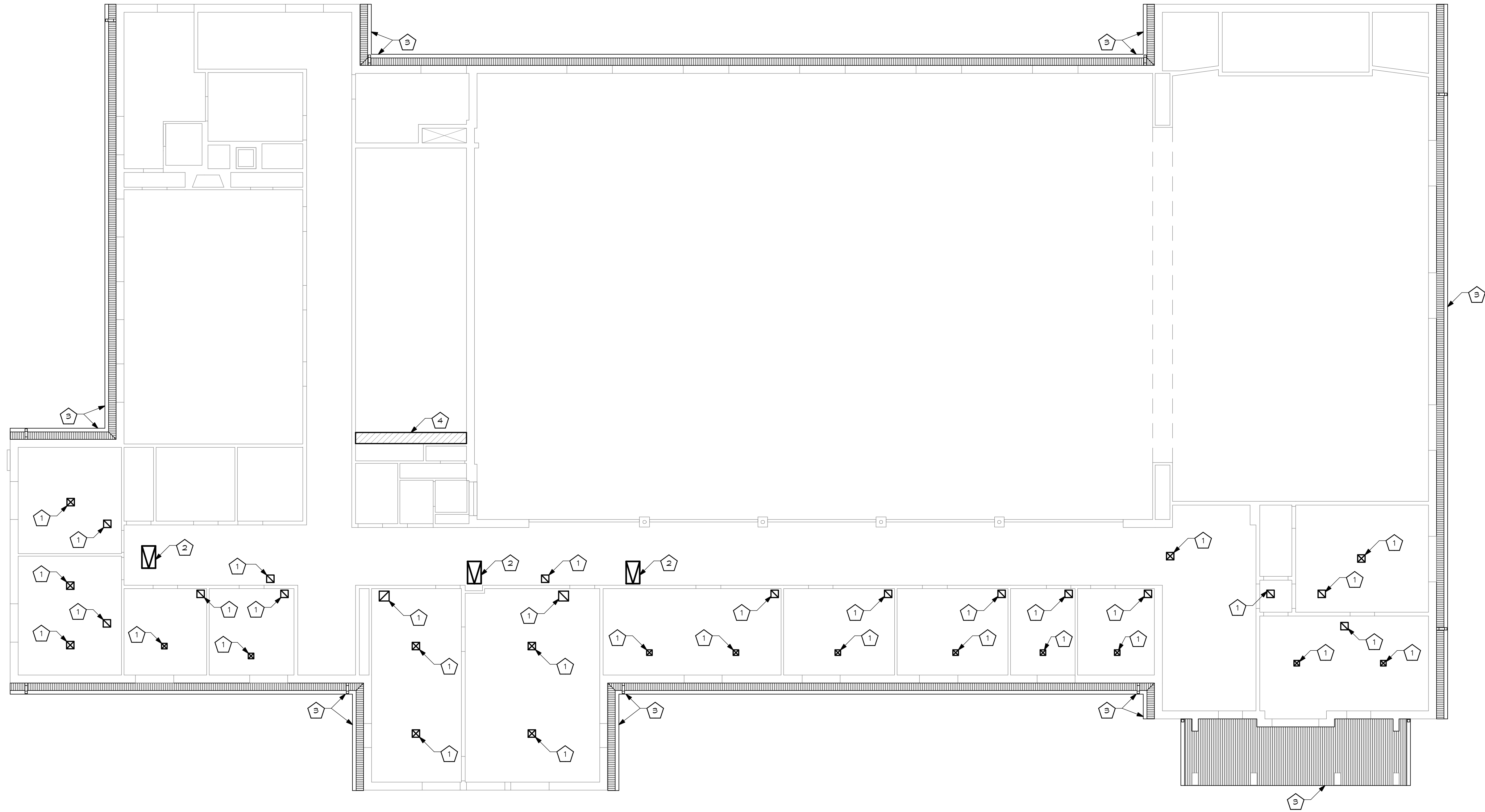
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MALAD CHAPEL REMODEL  
 200 W. 400 N., MALAD CITY, IDAHO  
**FIRST FLOOR REFLECTED CEILING PLAN**

REVISIONS:

DATE: APR 24  
 DRAWING NO. **A2.7**  
 JOB NO. 2214  
 11 OF 23



**1 SECOND FLOOR REFLECTED CEILING PLAN**  
**A2.8** 1/8" = 1'-0"



**GENERAL NOTES:** (THIS DRAWING ONLY)

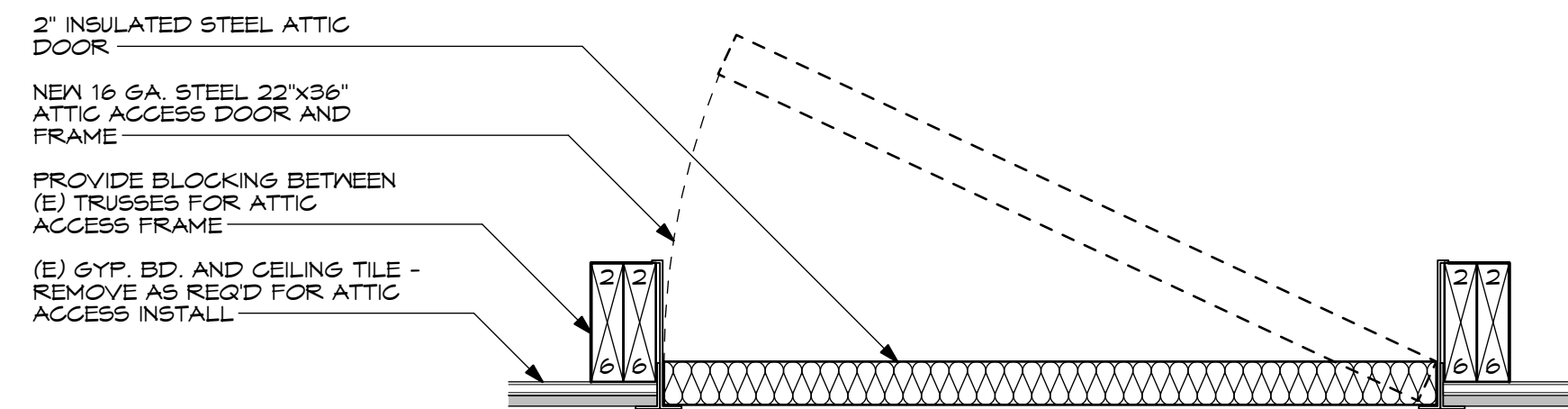
- A. ROOM NUMBERS ARE UNIQUE TO THIS PROJECT AND ARE FOR CONSTRUCTION PURPOSES ONLY.
- B. CONTRACTOR TO COORDINATE ACCESSIBILITY OF BUILDING WITH OWNER.

**CEILING SYMBOLS LEGEND:** (THIS DRAWING ONLY)

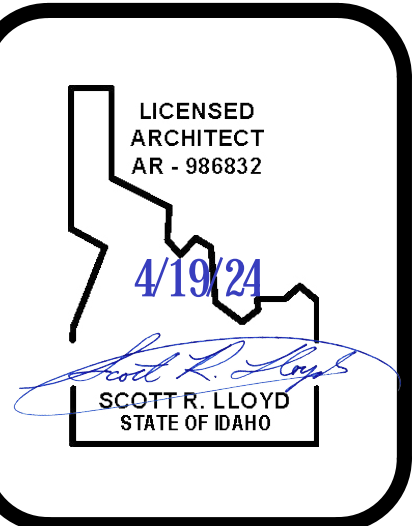
- ☒ (N) SUPPLY AIR GRILLE - REF. MECH.
- ☒ (N) RETURN AIR GRILLE - REF. MECH.

**KEYED NOTES:** (THIS DRAWING ONLY)

- 1 NEW MECHANICAL DIFFUSERS - REFER TO MECH. SHEETS.
- 2 NEW 22"x36" ATTIC ACCESS - SEE DETAIL 2/A2.8
- 3 [Hatched Box] INDICATES NEW SOFFIT w/ RAINGUTTERS AND DOWNSPOUTS ABOVE
- 4 [Hatched Box] REINSTALL SALVAGED CEILING TILES AND CEILING MOUNTED COMPONENTS AS REQ'D DUE TO STRUCTURAL WORK. IF NEEDED INSTALL NEW 5/8" GYP. BD. SUBSTRATE (OR EQUAL) TO MATCH EXISTING

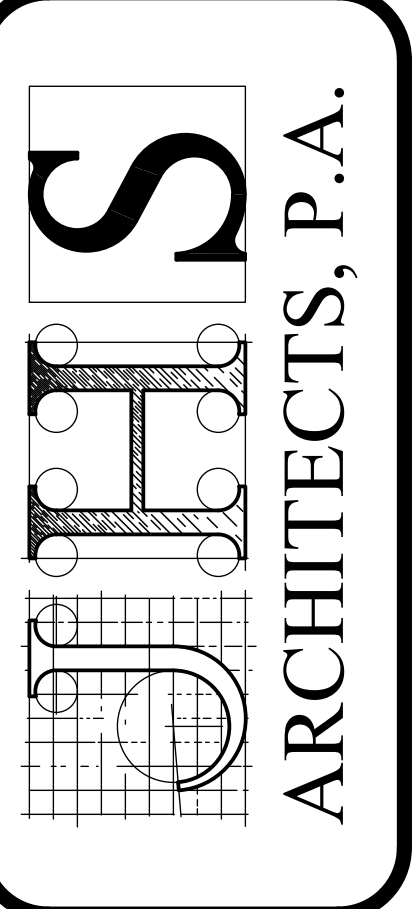


**2 ATTIC ACCESS DETAIL**  
**A2.8** 1 1/2" = 1'-0"



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MALAD CHAPEL REMODEL  
 200 W. 400 N., MALAD CITY, IDAHO  
**SECOND FLOOR REFLECTED CEILING PLAN  
 AND DETAIL**

REVISIONS:

DATE: APR 24  
 DRAWING NO. **A2.8**  
 JOB NO. 2214  
 12 OF 23



DOOR SCHEDULE													
DOOR NO.	LOCATION	DOOR						FRAME FINISH	RATING	HW SET	DETAILS		NOTES:
		WIDTH	HEIGHT	THICK.	TYPE	MATL	FINISH				GLAZING	HEAD	
103A	CLOSET	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
104A	BISHOP'S OFFICE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-2	-	-
104B	BISHOP'S OFFICE	2'-4"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-4	-	-
104C	BISHOP'S OFFICE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-2	-	-
105	CLERK'S	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-2	-	-
106A	CHAPEL	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-1	-	-
106B	CHAPEL	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-1	-	-
107	STORAGE	2'-8"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
109	ORGAN ROOM	2'-8"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
109	PREP. ROOM	2'-8"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-1	-	-
110A	RECREATION HALL	5'-0"	7'-0"	1 3/4"	3	WD	STAIN	-	REPAINT	NR	HW-5	-	-
110B	RECREATION HALL	5'-0"	7'-0"	1 3/4"	3	WD	STAIN	-	REPAINT	NR	HW-5	-	-
111A	PLATFORM	2'-8"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-1	-	-
111B	PLATFORM	2'-8"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-1	-	-
112	CORRIDOR	5'-0"	7'-0"	1 3/4"	3	WD	STAIN	-	REPAINT	NR	HW-5	-	-
113	VESTIBULE	3'-3"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
115A	WARMING KITCHEN	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-6	-	-
115B	WARMING KITCHEN	2'-4"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-4	-	-
116	CORRIDOR	2'-4"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
117A	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
117B	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
117C	CLASSROOM	5'-0"	7'-0"	1 3/4"	3	WD	STAIN	-	REPAINT	NR	HW-7	-	-
118	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
119	WOMEN'S RESTROOM	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-8	-	-
120	STAIR	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
121	STORAGE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-4	-	-
123	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
124	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
125	MEN'S RESTROOM	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-8	-	-
126	RAMP	2'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-4	-	-
129	STORAGE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
130A	RELIEF SOCIETY	2'-10"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
130B	RELIEF SOCIETY	2'-10"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-4	-	-
130C	RELIEF SOCIETY	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-4	-	-
133	MEN'S RESTROOM	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-8	-	-
135	MECHANICAL	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
136	BISHOP'S OFFICE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-2	-	-
137	STORAGE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-2	-	-
139	CLERK'S	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-2	-	-
139A	BISHOP'S OFFICE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-2	-	-
139B	BISHOP'S OFFICE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-2	-	-
201	MECHANICAL	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
203	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
204	SITTING ROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
205	MECHANICAL	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-6	-	-
206A	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
206B	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
206C	CLASSROOM	2'-8"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-4	-	-
207	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
208	JANITORS	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
209	STORAGE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-4	-	-
210	ELECTRICAL	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-3	-	-
211	CLASSROOM	2'-8"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
212	CLASSROOM	2'-8"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
213	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
214	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
216	STORAGE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-4	-	-
219A	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
219B	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
219C	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
220	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
221	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
222	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
223	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
224	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
225	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
226	STORAGE	3'-0"	7'-0"	1 3/4"	1	WD	STAIN	-	REPAINT	NR	HW-4	-	-
227A	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-2	-	-
227B	CLASSROOM	2'-8"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-4	-	-
228A	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-6	-	-
228B	CLASSROOM	3'-0"	7'-0"	1 3/4"	2	WD	STAIN	YES	REPAINT	NR	HW-2	-	-

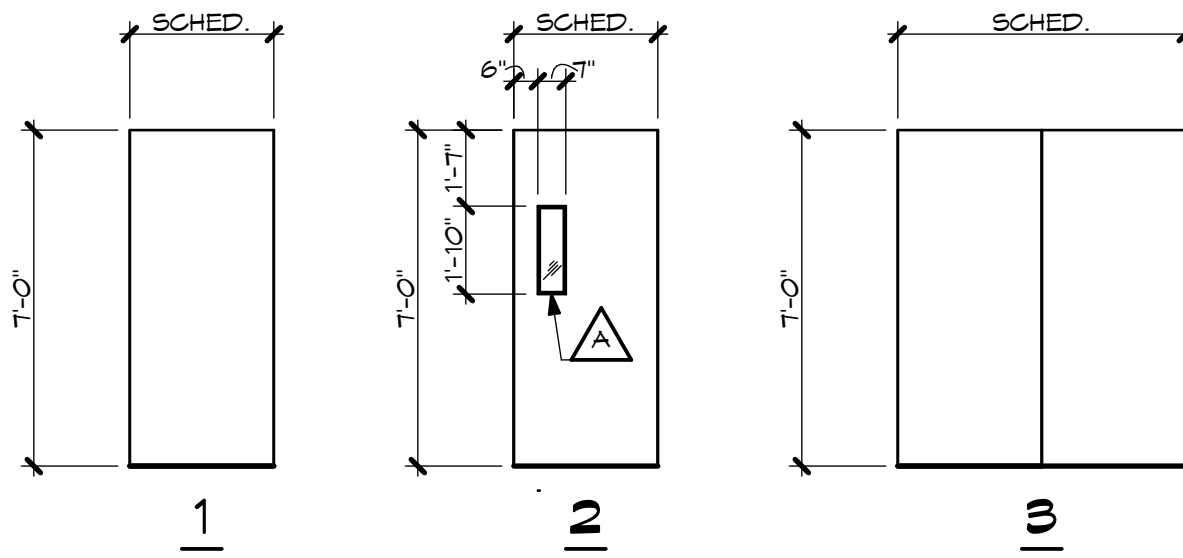
DOOR MATERIAL & FINISH LEGEND:

WD HARDWOOD  
STAIN HARDWOOD STAIN

NOTES:

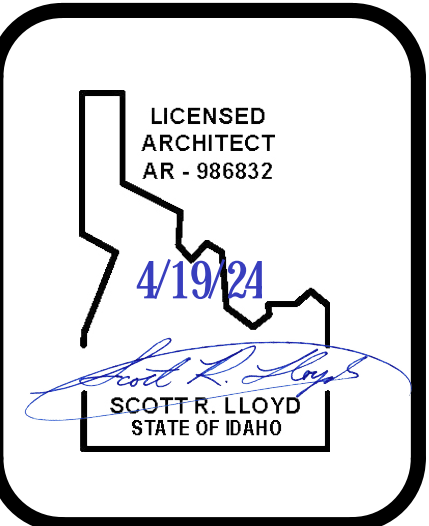
1. ALL (E) DOOR FRAMES TO BE RE-STAINED.

DOOR TYPES:

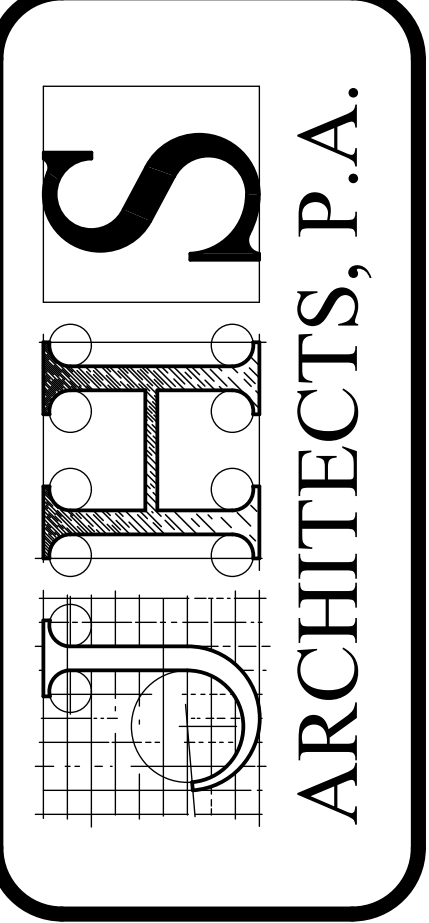


GLASS TYPES:

1" CLEAR INSULATED TEMPERED GLASS



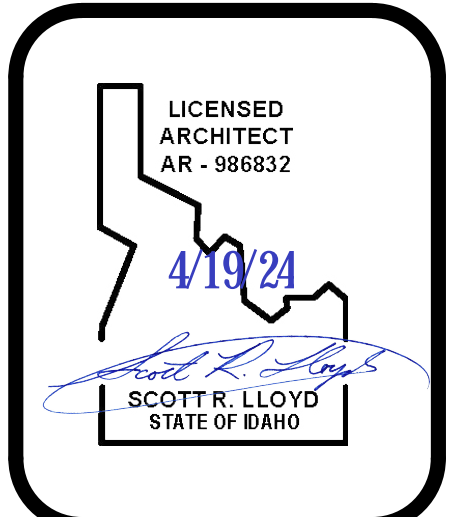
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MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO  
DOOR SCHEDULE AND DOOR TYPES

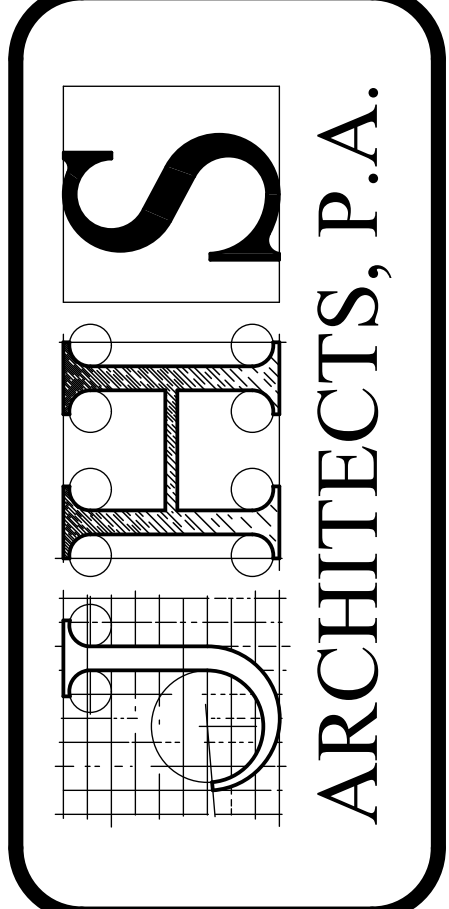
REVISIONS:

DATE: APR 24  
DRAWING NO. A2.9  
JOB NO. 2214  
13 OF 23



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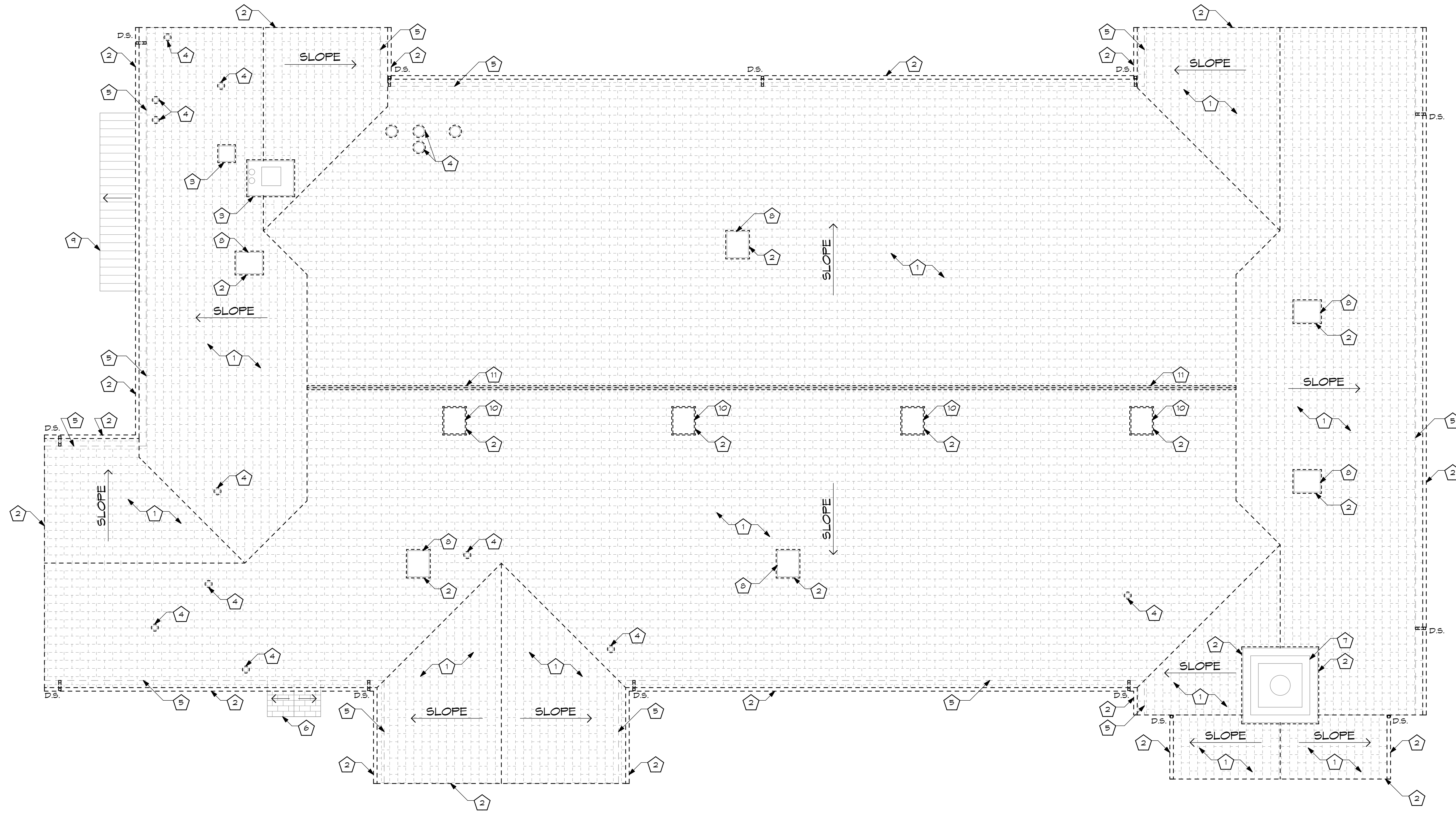


**MALAD CHAPEL REMODEL**  
**200 W. 400 N., MALAD CITY, IDAHO**  
**ROOF DEMOLITION PLAN**

REVISIONS:

DATE: APR 24  
DRAWING NO. **A3.0**  
JOB NO. 2214  
14 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
UPDATE: 04-10-24  
DRAWN BY: th



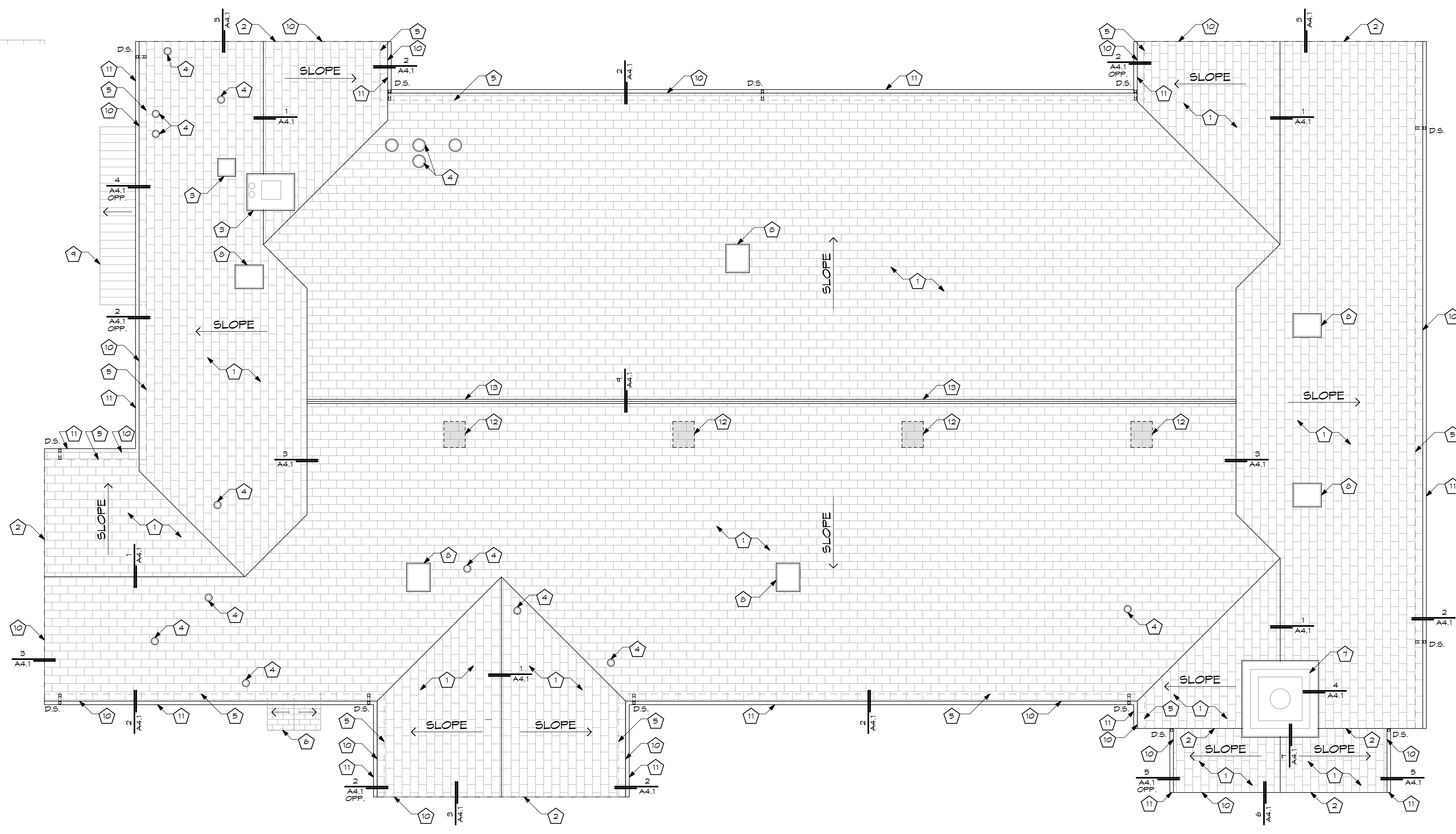
**1 ROOF DEMOLITION PLAN**  
**A3.0**  
1/8" = 1'-0"



- GENERAL NOTES: (THIS DRAWING ONLY)**
- DIMENSIONS ARE APPROXIMATE AND FOR REFERENCE ONLY.
  - CONTRACTOR SHALL KEEP ROOF AREAS CLEAN - REMOVE AND DISPOSE OF ALL NAILS, SCREWS, TRASH, SCRAP MATERIAL AND ALL LOOSE PACKAGING FROM ROOF AND GROUNDS DAILY.
  - CONTRACTOR SHALL COORDINATE PROJECT ACCESS AND PROJECT STAGING AREAS WITH OWNER.
  - PROTECT ALL EXISTING AREAS AROUND BUILDING PERIMETER - ANY DAMAGED AREAS SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
  - REMOVE ALL EXISTING MASTIC AND/OR ANY OTHER ASPHALT MATERIAL FROM ALL PIPES, VENTS, METAL FLASHINGS AND OTHER ITEMS IN THE AREA WHERE NEW ROOF WORK WILL BE PERFORMED.
  - ALL ROOF PENETRATIONS MAY NOT BE SHOWN. REMOVE (E) FLASHINGS AND REGLETS AT EACH LOCATION AS REQ'D.
  - CONTRACTOR SHALL INSPECT AND REPAIR/REPLACE ANY DAMAGED ROOF SHEATHING PRIOR TO INSTALLATION OF NEW UNDERLAYMENT AND ROOF SHINGLES.

- KEYED NOTES: (THIS DRAWING ONLY)**
- |   |   |
|---|---|
| <p>1 REMOVE AND DISCARD ALL (E) ASPHALT SHINGLES AND UNDERLAYMENT - (E) FLYED TO REMAIN</p> <p>2 REMOVE AND DISCARD (E) METAL FLASHINGS, GUTTERS, AND DOWNSPOUTS. PROTECT (E) WOOD NAILED AT EAVES AND FASCIA</p> <p>3 (E) MECH. EQUIPMENT ON RAISED WOOD CURB - LIFT UNITS AS REQ'D. FOR FLASHING REMOVAL AND INSTALLATION OF NEW FLASHING</p> <p>4 (E) PIPING THROUGHOUT ROOF TO BE PROTECTED DURING CONSTRUCTION - REMOVE AND DISCARD (E) FLASHING BOOT</p> <p>5 DASHED LINE INDICATES EXISTING WALL BELOW</p> <p>6 (E) ROOF AREA TO REMAIN - PROTECT DURING CONSTRUCTION</p> <p>7 (E) TOWER TO REMAIN - PROTECT DURING CONSTRUCTION</p> <p>8 (E) ROOF VENTS TO REMAIN</p> <p>9 (E) METAL ROOF PANEL TO REMAIN - PROTECT DURING CONST.</p> | <p>10 REMOVE AND DISCARD (E) ROOF VENTS</p> <p>11 CONTRACTOR TO CUT BACK (E) ROOF SHEATHING AT RIDGE TO CREATE 3 1/2' OPENING AT TOP OF INDICATED RIDGE FOR NEW RIDGE VENT INSTALLATION</p> |
|---|---|





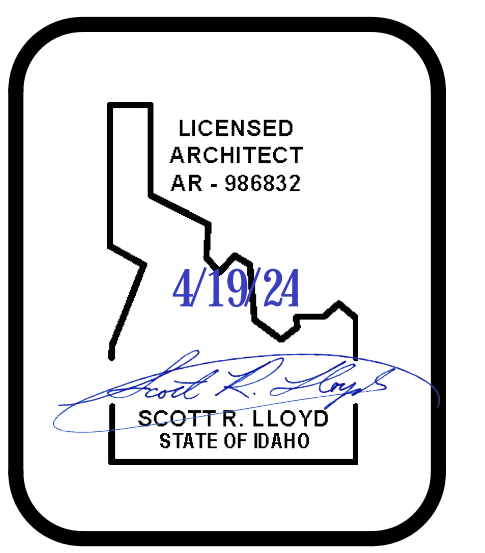
**1 ROOF PLAN**  
**A3.1** 1/8" = 1'-0"  
 NORTH

**GENERAL NOTES: (THIS DRAWING ONLY)**

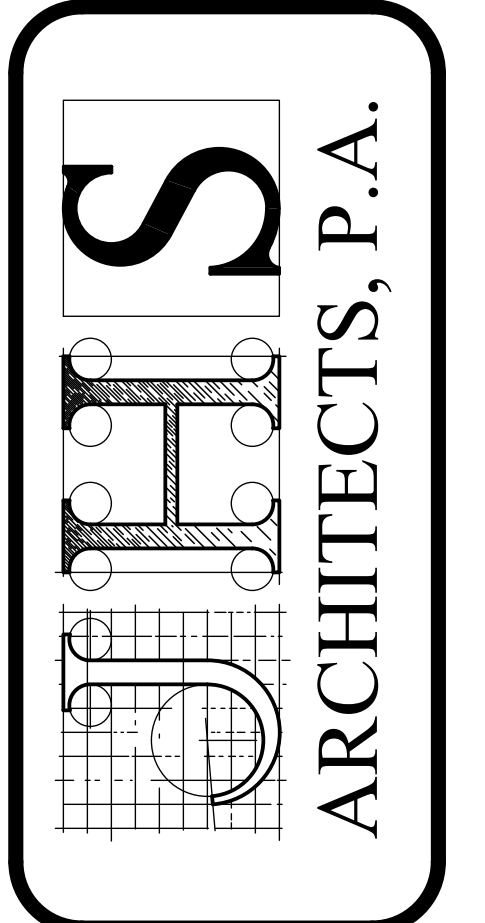
- A. CONTRACTOR SHALL VERIFY EXISTING ROOF SIZES, DIMENSIONS AND CONDITIONS
- B. CONTRACTOR SHALL KEEP ROOF AREAS CLEAN - REMOVE AND DISPOSE OF ALL NAILS, SCREWS, TRASH, SCRAP MATERIAL AND ALL LOOSE PACKAGING FROM ROOF AND GROUNDS DAILY.
- C. CONTRACTOR SHALL COORDINATE PROJECT ACCESS AND PROJECT STAGING AREAS WITH OWNER.
- D. PROTECT ALL EXISTING AREAS AROUND BUILDING PERIMETER - ANY DAMAGED AREAS SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.

**KEYED NOTES: (THIS DRAWING ONLY)**

- 1 NEW ASPHALT SHINGLES OVER ICE & WATER SHIELD UNDERLAYMENT (ENTIRE ROOF)
- 2 NEW PRE-FINISHED METAL FASCIA - SEE SPECS
- 3 (E) MECH. EQUIPMENT ON RAISED WOOD CURB - LIFT UNIT AS REQ'D. FOR FLASHING REMOVAL AND INSTALLATION OF NEW FLASHING
- 4 (E) PIPING THROUGHOUT ROOF TO BE PROTECTED DURING CONST. - INSTALL NEW FLASHING BOOT PER DETAIL 9/A4.1
- 5 DASHED LINE INDICATES EXISTING WALL BELOW
- 6 (E) ROOF AREA TO REMAIN - PROTECT DURING CONSTRUCTION
- 7 (E) TOWER TO REMAIN - PROTECT DURING CONSTRUCTION
- 8 (E) ROOF VENTS TO REMAIN - INSTALL NEW FLASHING
- 9 (E) METAL ROOF PANEL TO REMAIN - PROTECT DURING CONST.
- 10 NEW PRE-FINISHED METAL DRIP EDGE FLASHING - SEE SPECS
- 11 NEW PRE-FINISHED METAL GUTTER AND DOWNSPOUTS - SEE SPECS
- 12 INSTALL 1/2" PLYWOOD ROOF SHEATHING AT FORMER ROOF VENT LOCATION. SECURE TO (E) ROOF TRUSSES - SEE DET. 10/A4.1
- 13 PROVIDE NEW ROOF VENT AT RIDGE INDICATED - SEE DET. 8/A4.1



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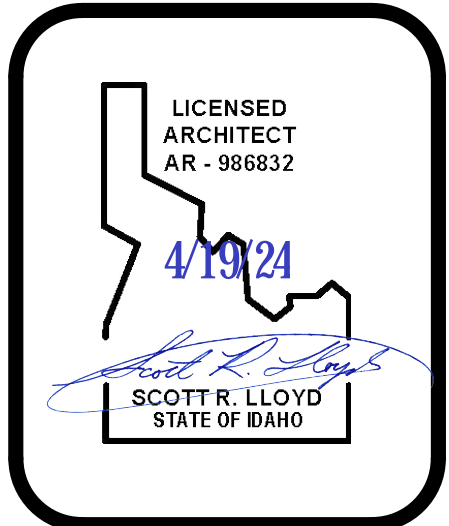


**MALAD CHAPEL REMODEL**  
**200 W. 400 N., MALAD CITY, IDAHO**  
**ROOF PLAN**

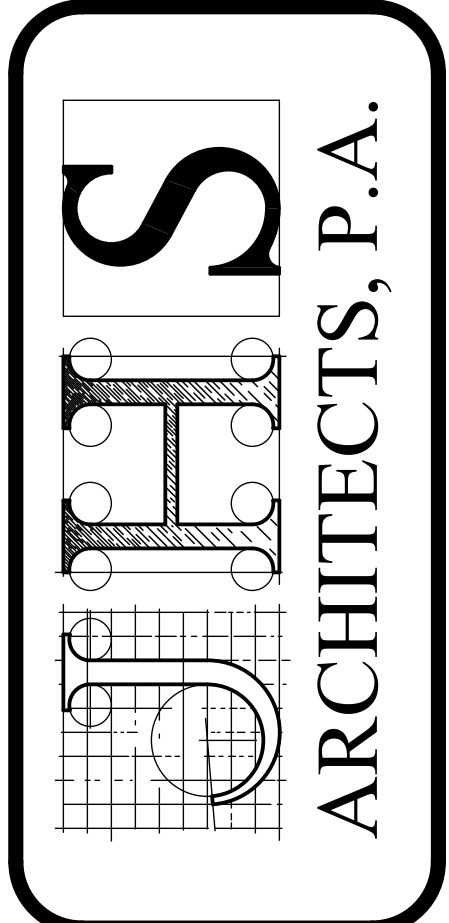
REVISIONS:

DATE: APR 24  
 DRAWING NO. **A3.1**  
 JOB NO. 2214  
 15 OF 23





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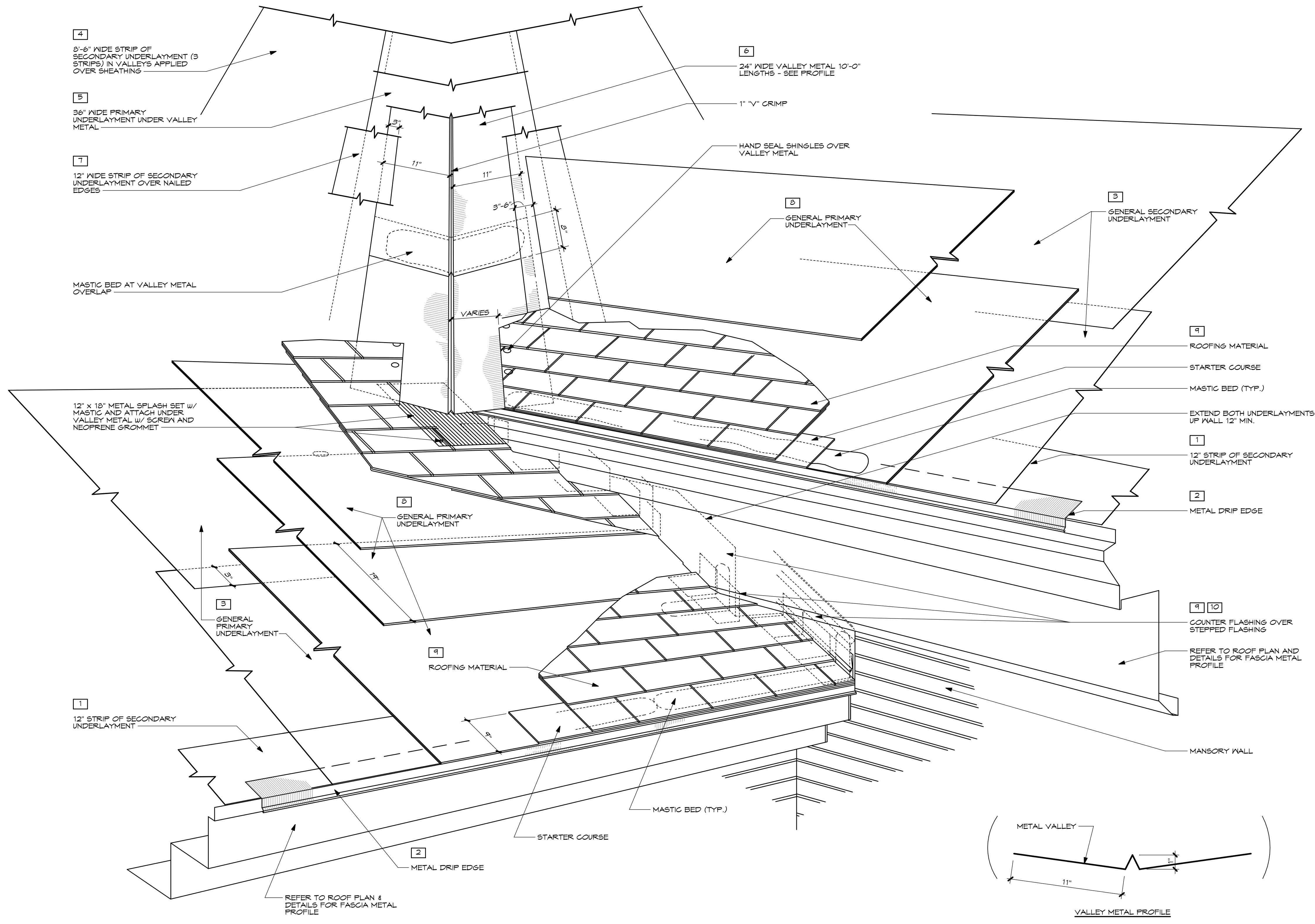


MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO  
ROOF DETAIL

REVISIONS:

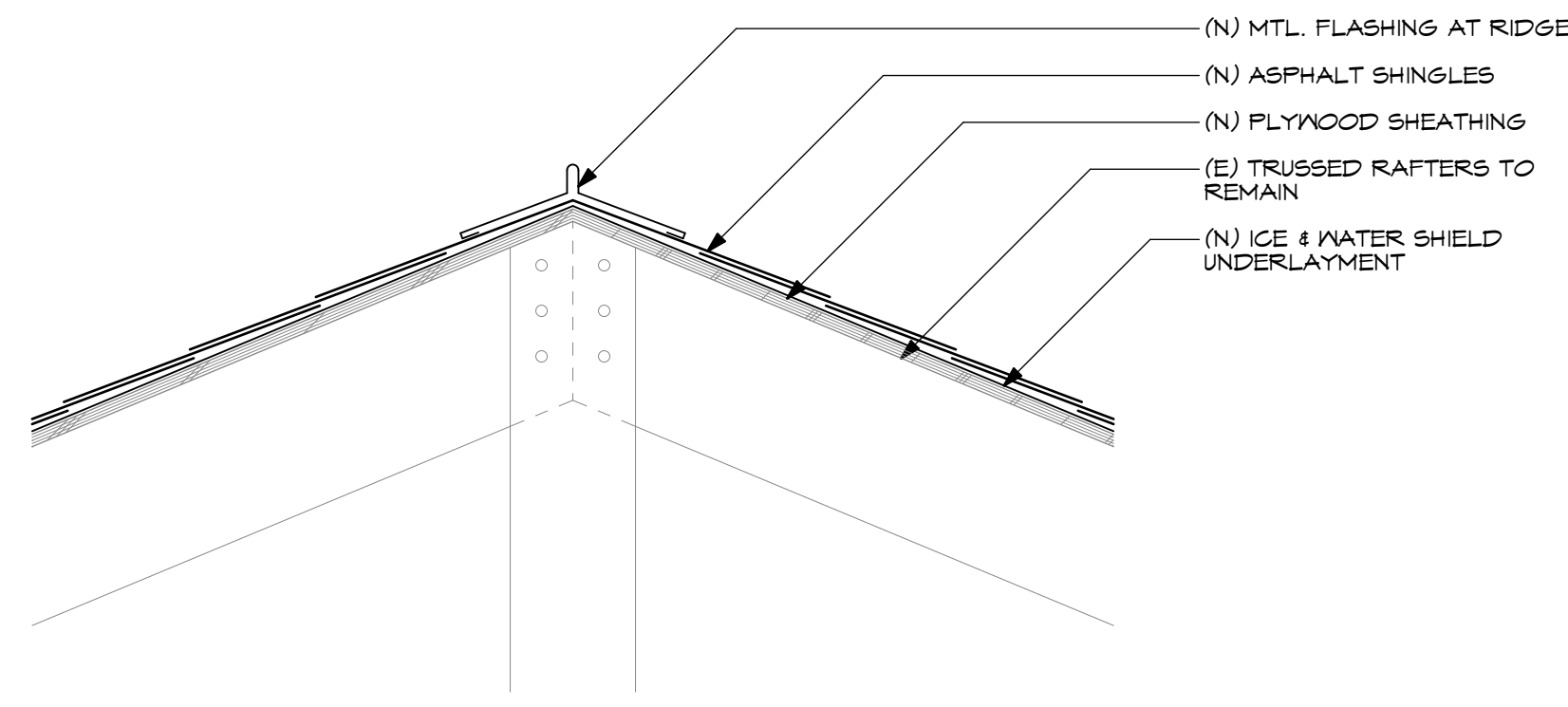
DATE: APR 24  
DRAWING NO. A4.0  
JOB NO. 2214  
16 OF 23

FILE NAME: 2214-Malad Chapel Remodel.rvt  
UPDATE: 04-10-24  
DRAWN BY: ih

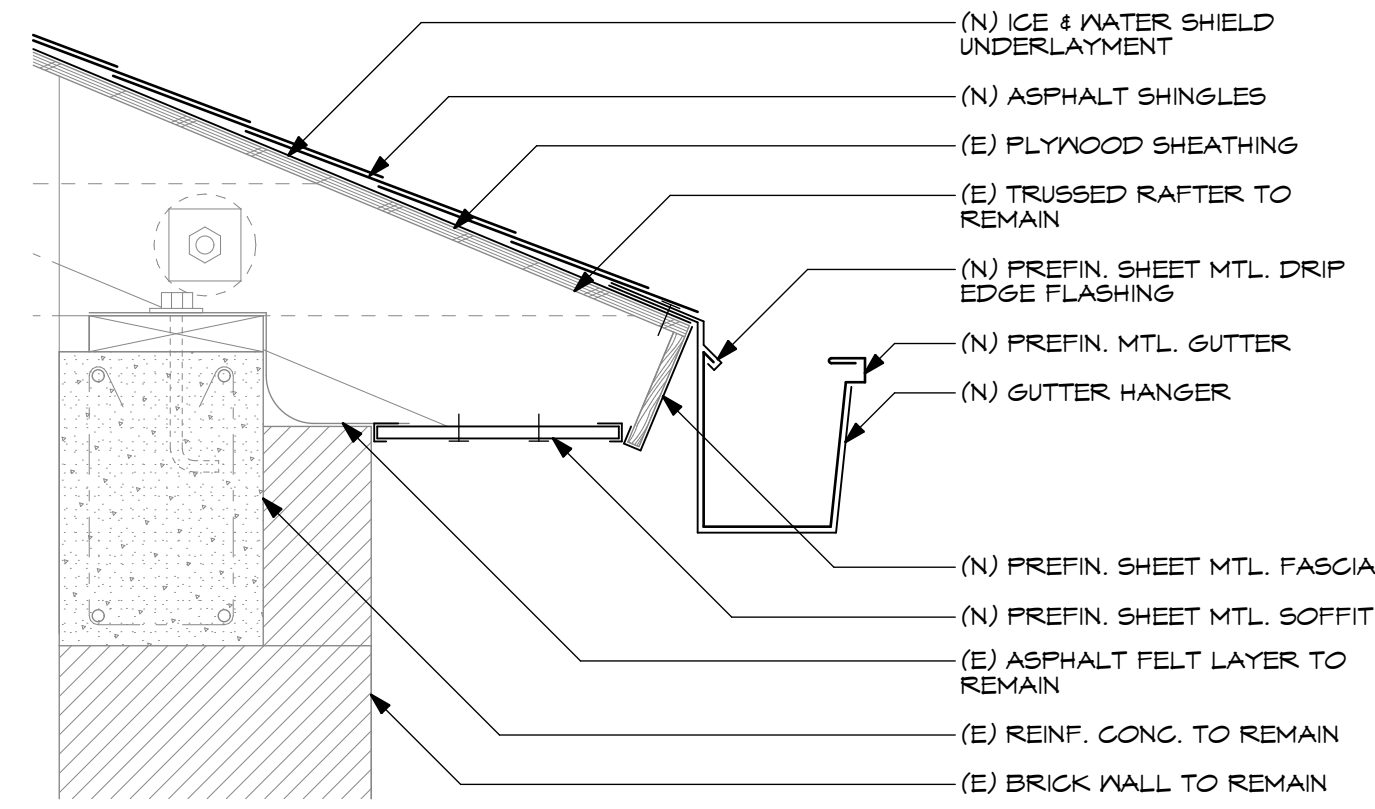


1 VALLEY FLASHING / EAVE FLASHING DETAIL  
A4.0 NO SCALE

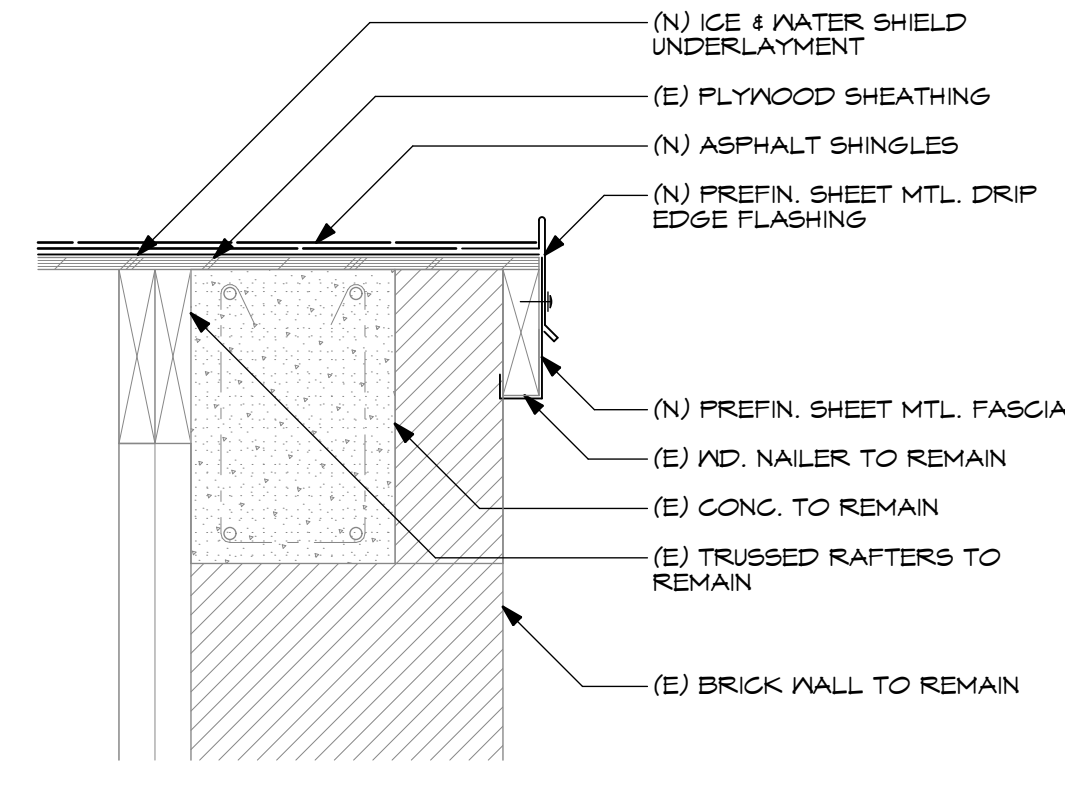




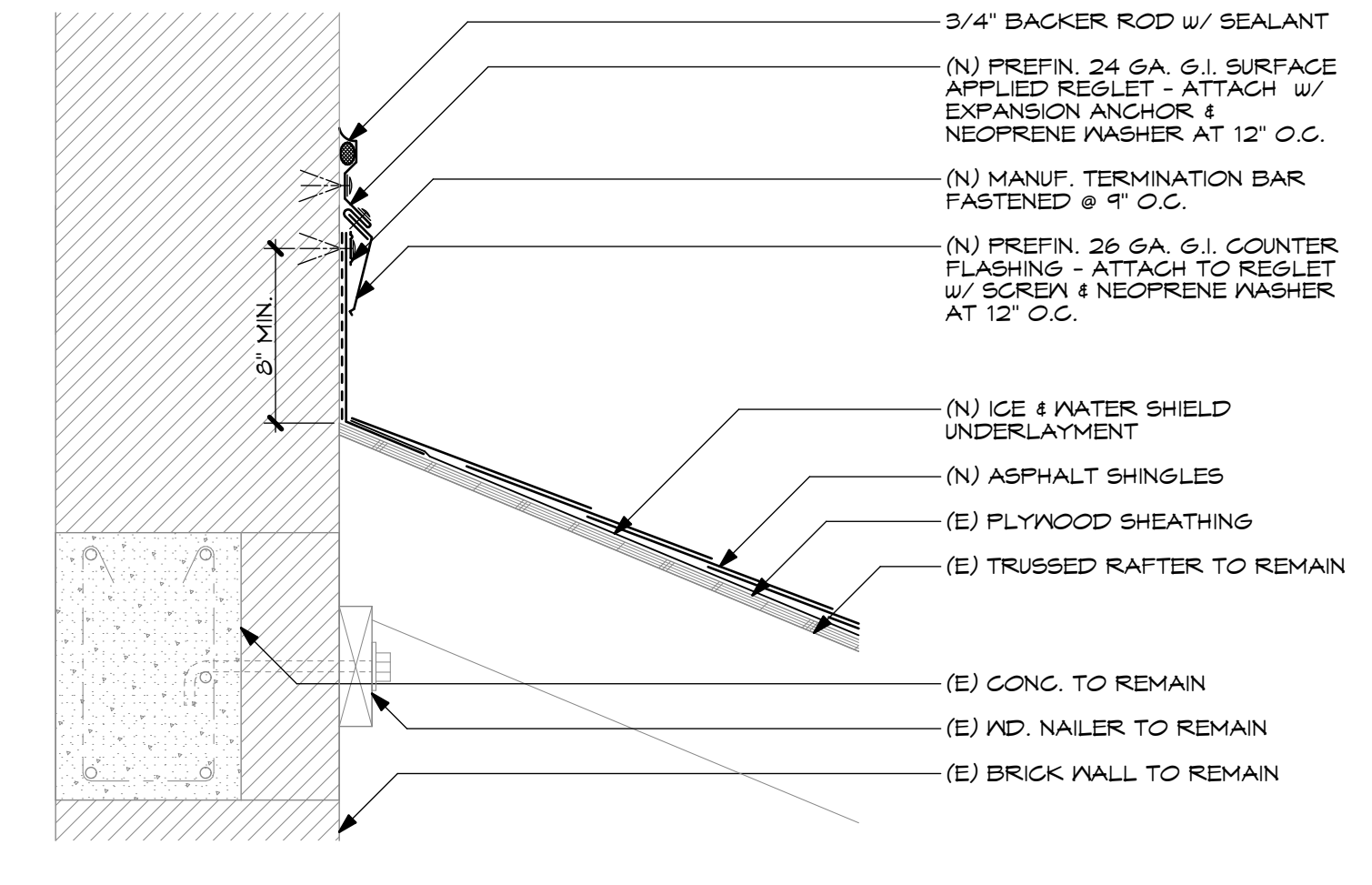
**1 RIDGE DETAIL**  
A4.1 1 1/2" = 1'-0"



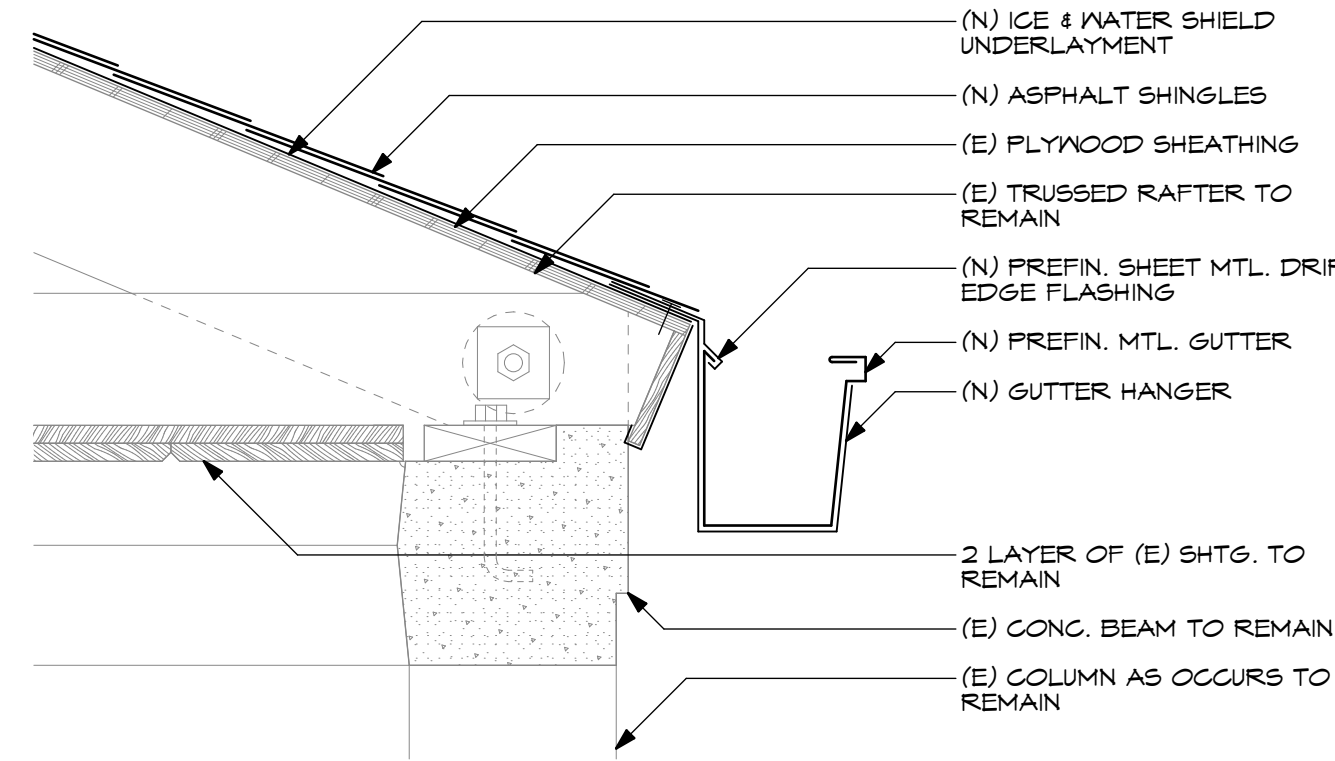
**2 ROOF EAVE DETAIL**  
A4.1 1 1/2" = 1'-0"



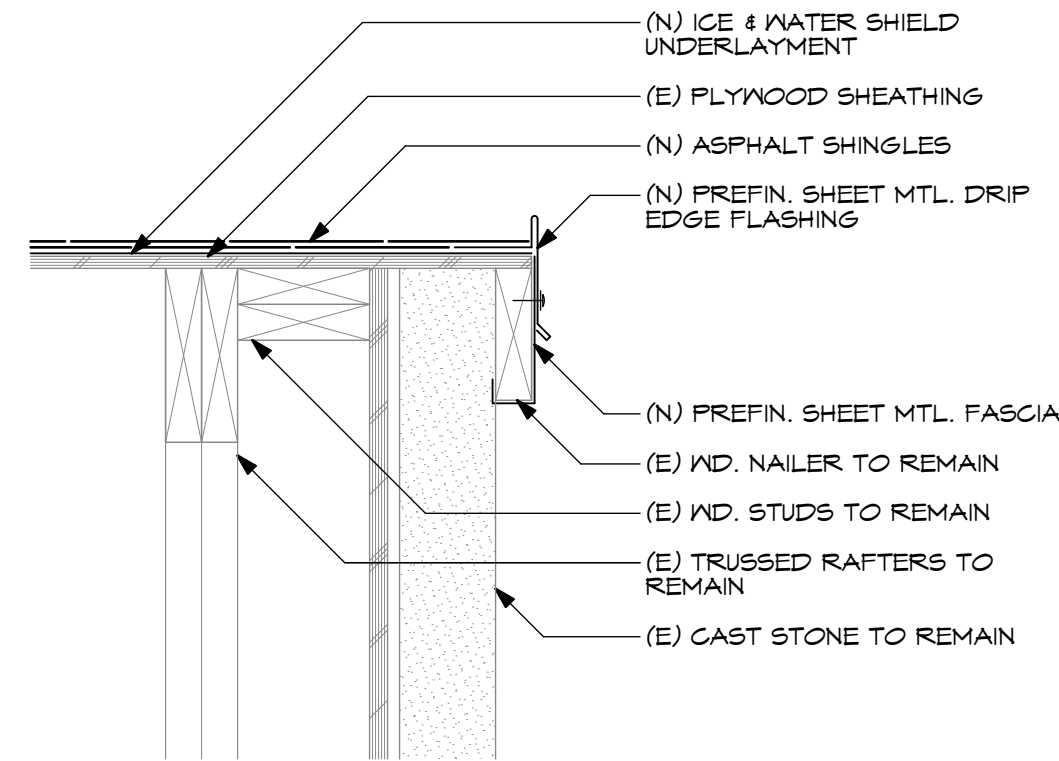
**3 ROOF EDGE DETAIL**  
A4.1 1 1/2" = 1'-0"



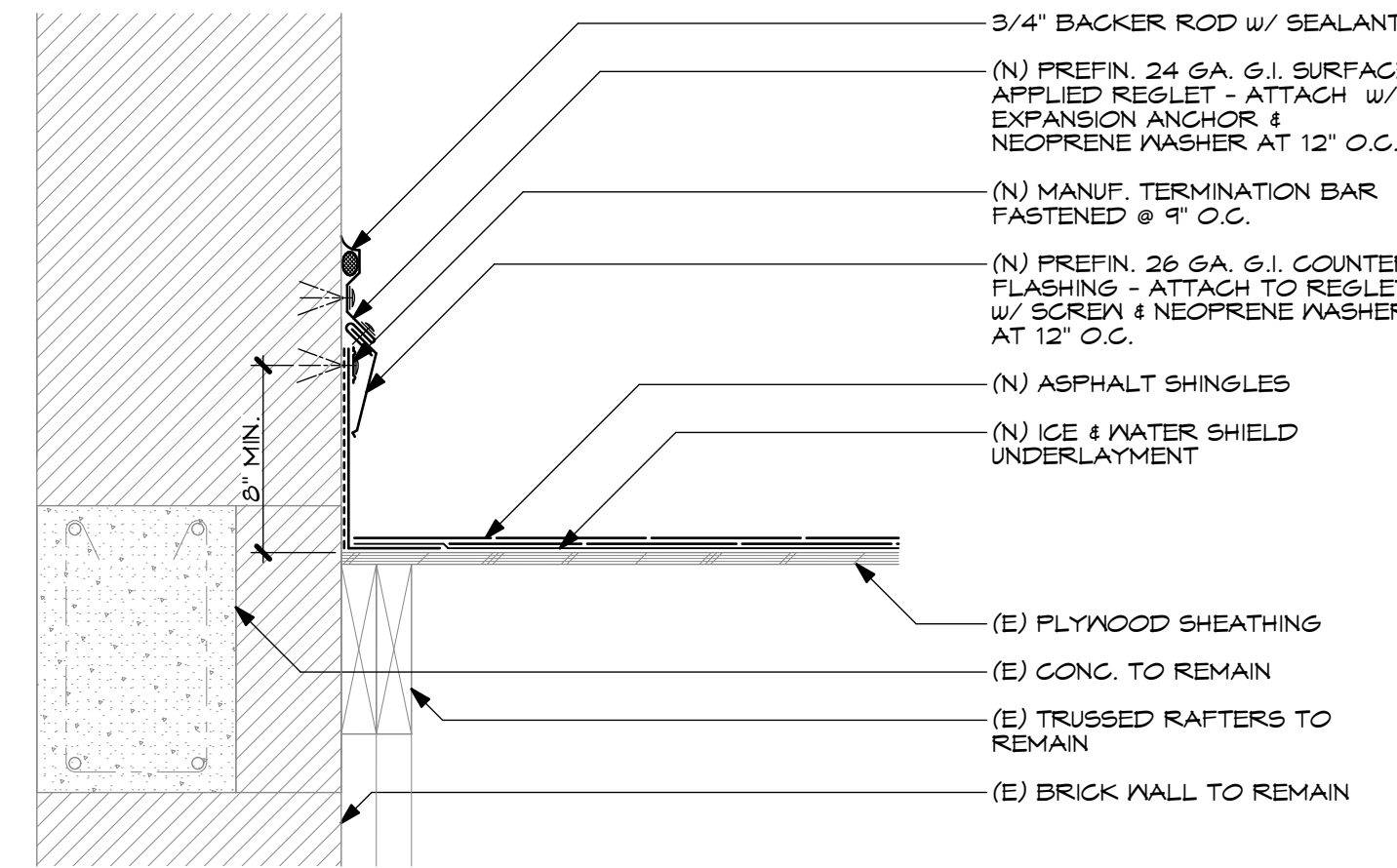
**4 ROOF DETAIL**  
A4.1 1 1/2" = 1'-0"



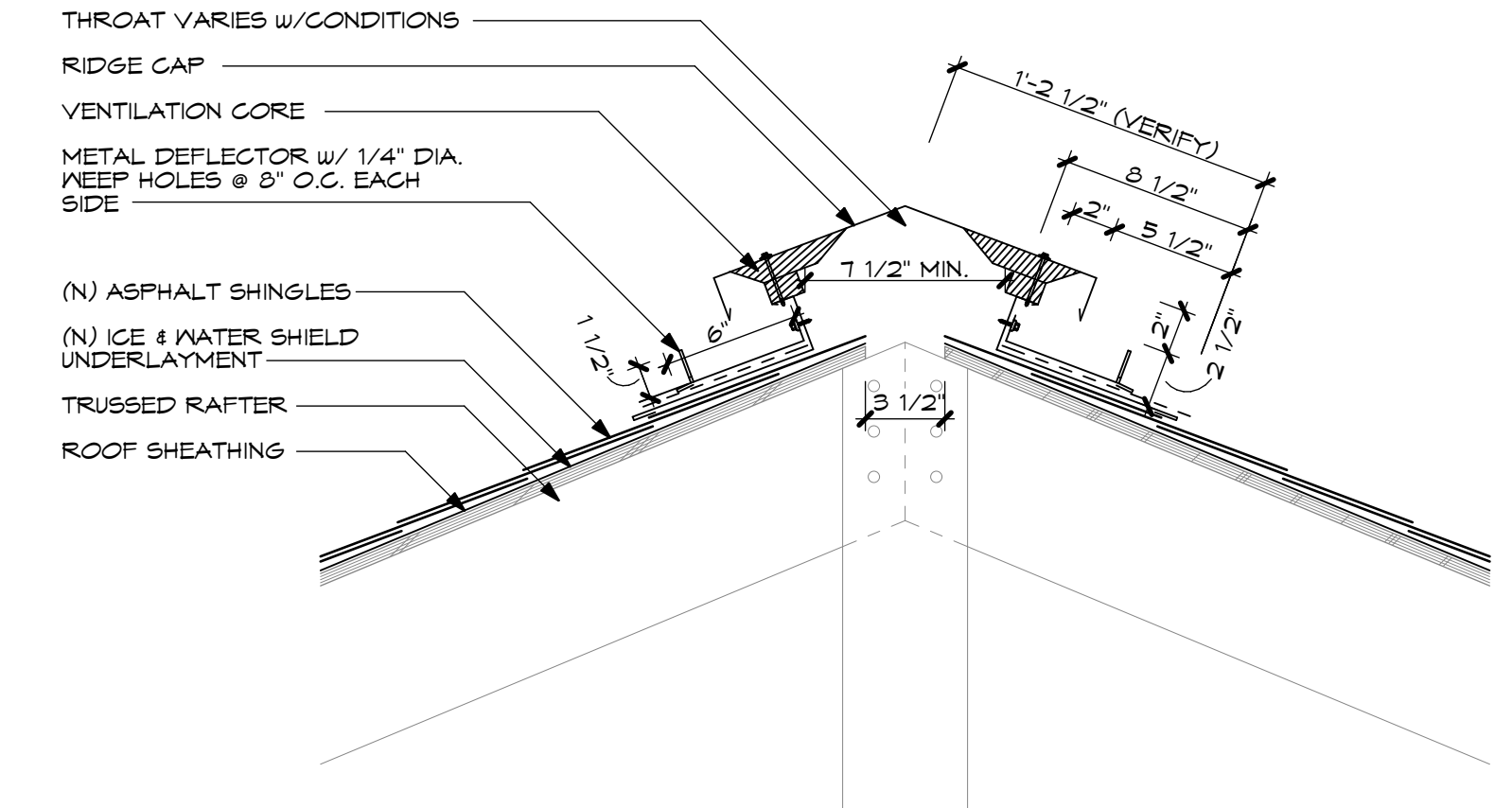
**5 ROOF EAVE DETAIL**  
A4.1 1 1/2" = 1'-0"



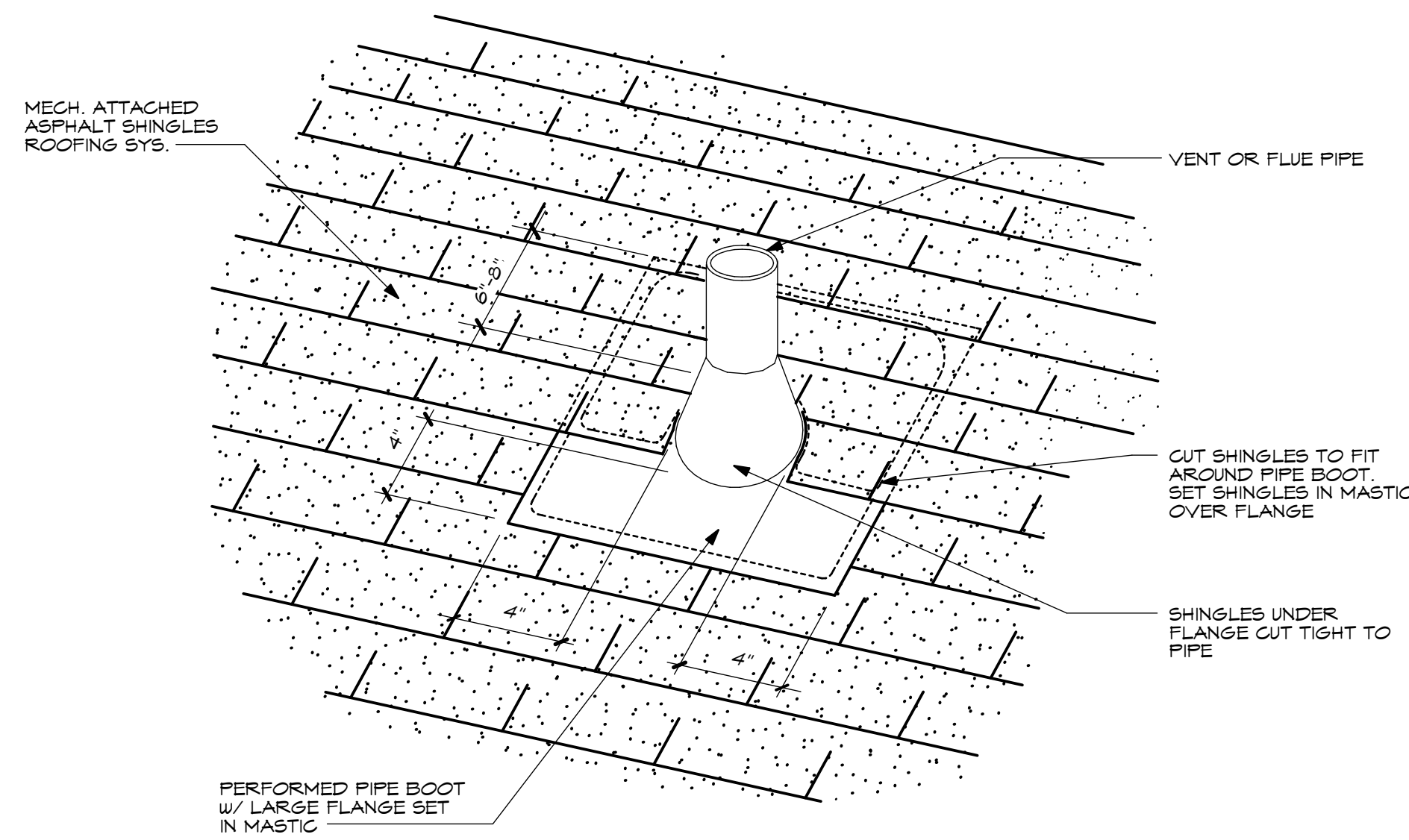
**6 ROOF EDGE DETAIL**  
A4.1 1 1/2" = 1'-0"



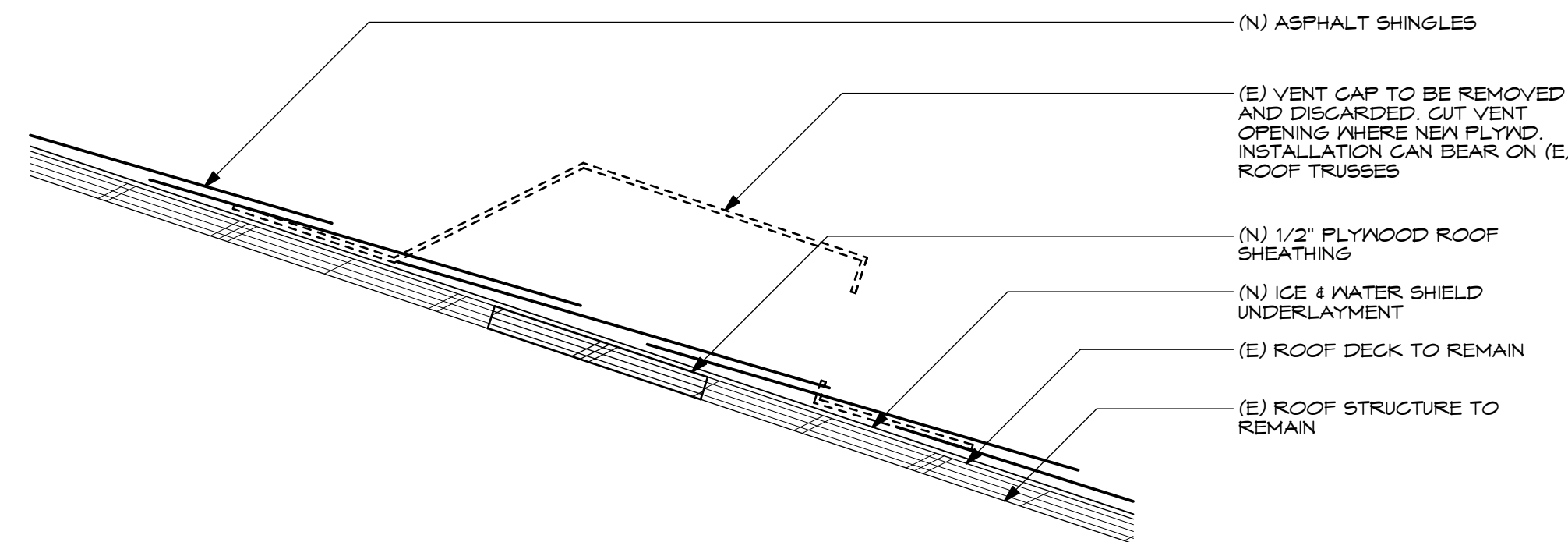
**7 ROOF DETAIL**  
A4.1 1 1/2" = 1'-0"



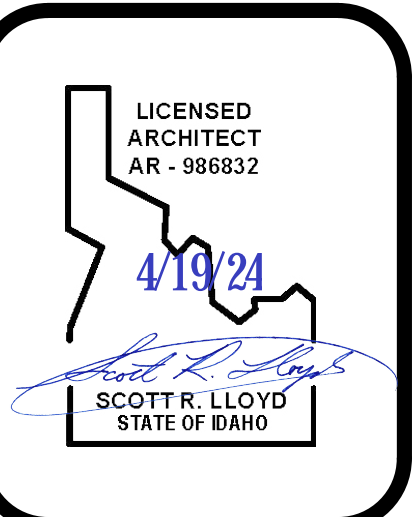
**8 RIDGE DETAIL**  
A4.1 1 1/2" = 1'-0"



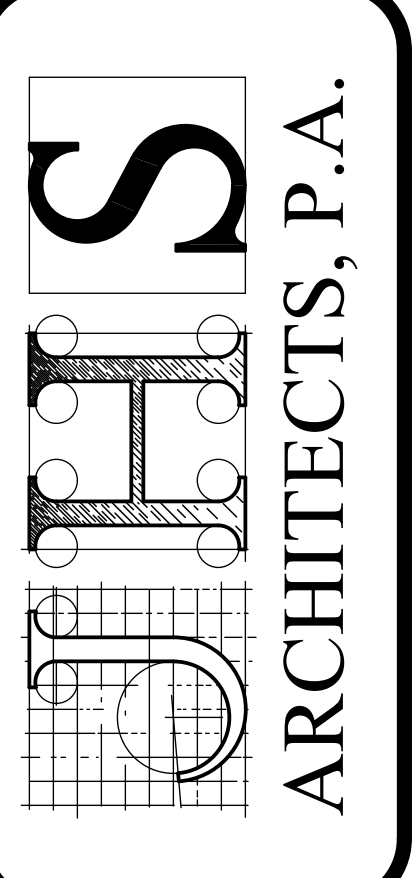
**9 PIPE BOOT FLANGE DETAIL**  
A4.1 NO SCALE



**10 ROOF VENT DETAIL**  
A4.1 3" = 1'-0"



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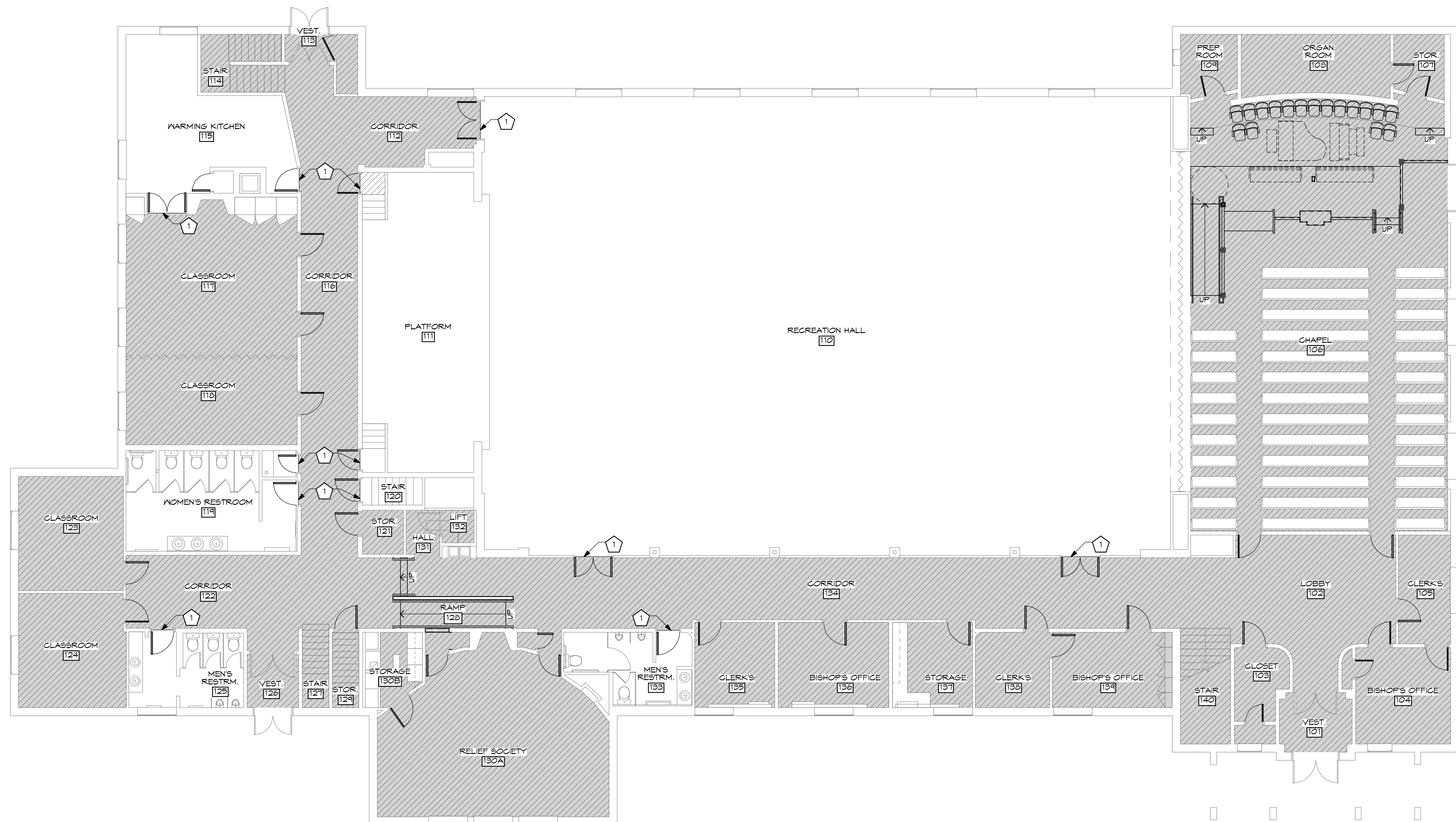


MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO  
ROOF DETAILS

REVISIONS:  
DATE: APR 24  
JOB NO: 2214  
DRAWING NO: A4.1  
17 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
UPDATE: 04-10-24  
DRAWN BY: th





**1 FIRST FLOOR FINISHES PLAN**  
**A5.0**  
 1/8" = 1'-0"



**GENERAL NOTES: (THIS DRAWING ONLY)**

- A. SHADED AREAS INDICATE ROOMS OR AREAS TO RECEIVE NEW FLOORING AND BASE - SEE TABULATION TABLE FOR NEW FLOORING MATERIAL.
- B. [Hatched symbol] INDICATES ROOM OR AREA WHERE EXISTING FLOORING AND BASE HAS BEEN REMOVED BY ABATEMENT CONTRACTOR.
- C. WALL FINISHES NOTE: ALL (E) PAINTED WALL FINISHES TO BE RE-PAINTED - COLOR AS SELECTED BY OWNER.

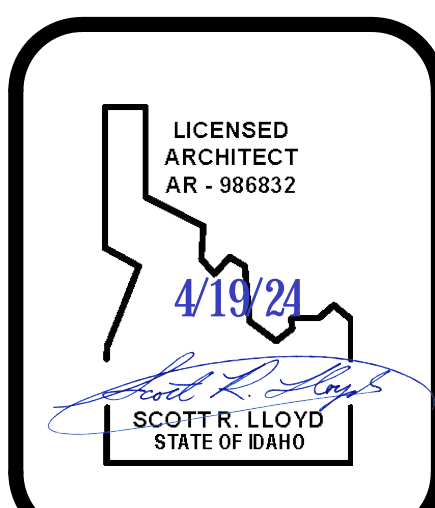
**KEYED NOTES: (THIS DRAWING ONLY)**

- [Keyed symbol] PROVIDE NEW TRANSITION STRIP AT FLOOR TRANSITION

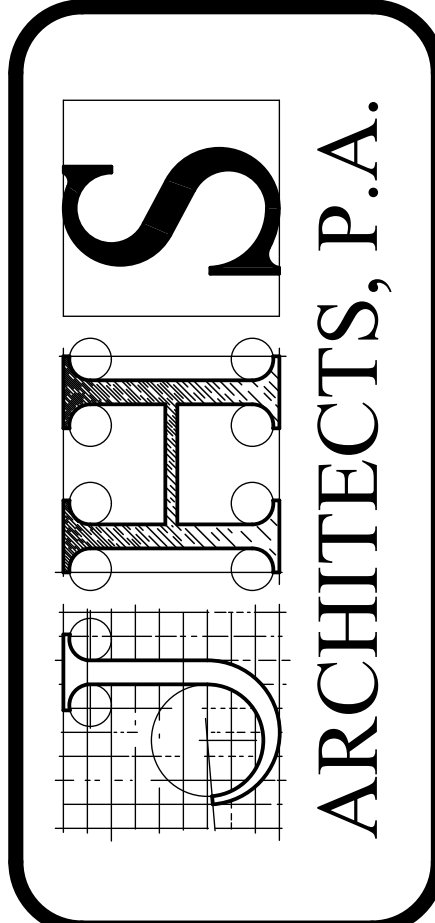
AREA TABULATION - 1ST FLOOR				
ROOM NO.	ROOM NAME	FINISH	BASE	AREA (SF)
101	VESTIBULE	CPT	CPT	74
102	LOBBY	CPT	CPT	354
103	CLOSET	CPT	CPT	79
104	BISHOP'S OFFICE	CPT	CPT	171
105	CLERK'S	CPT	CPT	102
106	CHapel	CPT	CPT	1941
107	STORAGE	CPT	CPT	54
108	ORGAN ROOM	CPT	CPT	160
109	PREPARATION ROOM	CPT	CPT	60
110	RECREATION HALL	EXIST.	EXIST.	5544
111	PLATFORM	EXIST.	EXIST.	656
112	CORRIDOR	CPT	CPT	238
113	VESTIBULE	CPT	CPT	47
114	STAIR	CPT	CPT	82
115	WARMING KITCHEN	EXIST.	EXIST.	360
116	CORRIDOR	CPT	CPT	396
117	CLASSROOM	CPT	CPT	460
118	CLASSROOM	CPT	CPT	260
119	WOMEN'S RESTROOM	EXIST.	EXIST.	297
120	STAIR	EXIST.	EXIST.	31
121	STORAGE	CPT	CPT	34
122	CORRIDOR	CPT	CPT	327
123	CLASSROOM	CPT	CPT	219
124	CLASSROOM	CPT	CPT	219
125	MEN'S RESTROOM	EXIST.	EXIST.	146
126	VESTIBULE	CPT	CPT	40
127	STAIR	CPT	CPT	39
128	RAMP	CPT	CPT	125
129	STORAGE	CPT	CPT	37
130A	RELIEF SOCIETY	CPT	CPT	540
130B	STORAGE	CPT	CPT	52
131	HALL	CPT	CPT	20
132	LIFT	CPT	CPT	19
133	MEN'S RESTROOM	EXIST.	EXIST.	135
134	CORRIDOR	CPT	CPT	935
135	CLERK'S	CPT	CPT	121
136	BISHOP'S OFFICE	CPT	CPT	166
137	STORAGE	CPT	CPT	121
138	CLERK'S	CPT	CPT	102
139	BISHOP'S OFFICE	CPT	CPT	161
140	STAIR	CPT	CPT	102
TOTAL				15164
BROADLOOM CARPET		CPT	CPT	1164
ASBESTOS-CONTAINED VINYL FLOOR TILE TO BE REMOVED				1495

**NOTES:**

THE WALL BASE WILL BE A CARPET WALL BASE WITH AN UPHOLSTERED EDGE.



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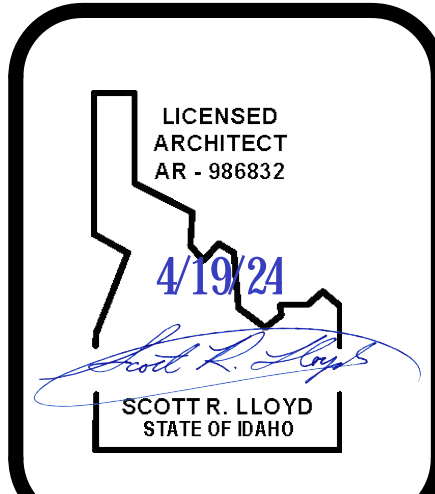


**MALAD CHAPEL REMODEL**  
**200 W. 400 N., MALAD CITY, IDAHO**  
**FIRST FLOOR FINISHES PLAN**

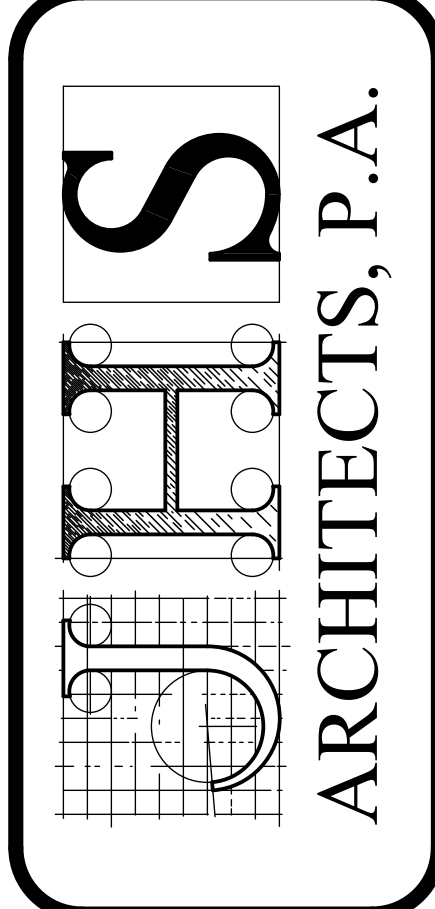
REVISIONS:

DATE: APR 24  
 DRAWING NO. **A5.0**  
 JOB NO. 2214  
 18 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
 UPDATE: 04-10-24  
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MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO  
SECOND FLOOR FINISHES PLAN

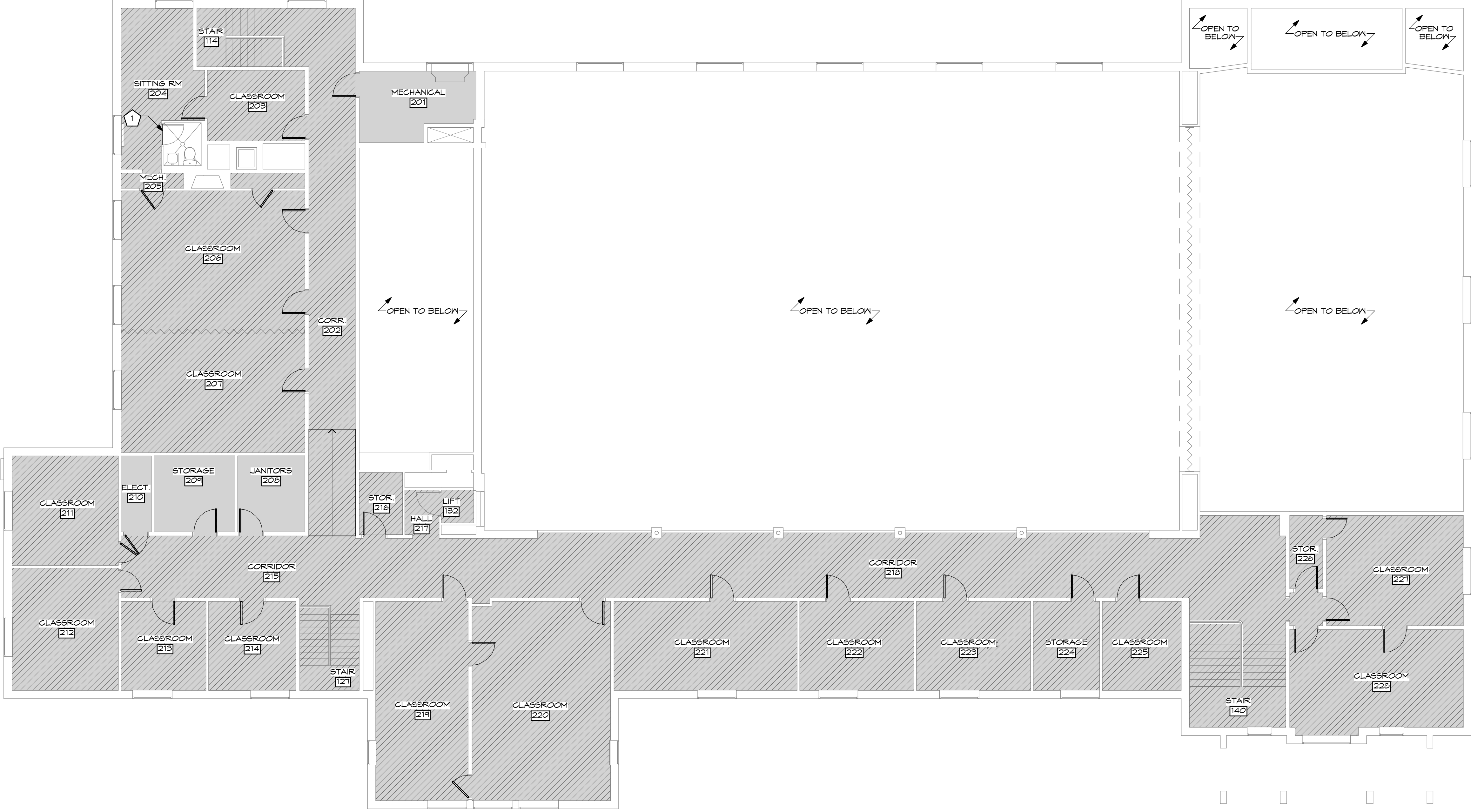
REVISIONS:

DATE: APR 24  
DRAWING NO. A5.1  
JOB NO. 2214  
11 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
UPDATE: 04-10-24  
DRAWN BY: th

AREA TABULATION - 2ND FLOOR				
ROOM NO.	ROOM NAME	FINISH	BASE	AREA (SF)
114	STAIR	CPT	CPT	45
121	STAIR	CPT	CPT	30
132	LIFT	CPT	CPT	19
140	STAIR	CPT	CPT	63
201	MECHANICAL	CPT	CPT	120
202	CORRIDOR	CPT	CPT	455
203	CLASSROOM	CPT	CPT	120
204	SITTING ROOM	CPT	CPT	185
205	MECHANICAL	CPT	CPT	17
206	CLASSROOM	CPT	CPT	486
207	CLASSROOM	CPT	CPT	382
208	JANITORS	CPT	CPT	88
209	STORAGE	CPT	CPT	107
210	ELECTRICAL	CPT	CPT	41
211	CLASSROOM	CPT	CPT	202
212	CLASSROOM	CPT	CPT	225
213	CLASSROOM	CPT	CPT	150
214	CLASSROOM	CPT	CPT	134
215	CORRIDOR	CPT	CPT	272
216	STORAGE	CPT	CPT	46
217	HALL	CPT	CPT	28
218	CORRIDOR	CPT	CPT	1121
219	CLASSROOM	CPT	CPT	320
220	CLASSROOM	CPT	CPT	475
221	CLASSROOM	CPT	CPT	282
222	CLASSROOM	CPT	CPT	176
223	CLASSROOM	CPT	CPT	176
224	STORAGE	CPT	CPT	103
225	CLASSROOM	CPT	CPT	122
226	STORAGE	CPT	CPT	43
227	CLASSROOM	CPT	CPT	261
228	CLASSROOM	CPT	CPT	301
TOTAL				6511
BROADLOOM CARPET				364
ASBESTOS-CONTAINED VINYL FLOOR TILE TO BE REMOVED				6207

NOTES:  
THE WALL BASE WILL BE A CARPET WALL BASE WITH AN UPHOLSTERED EDGE.

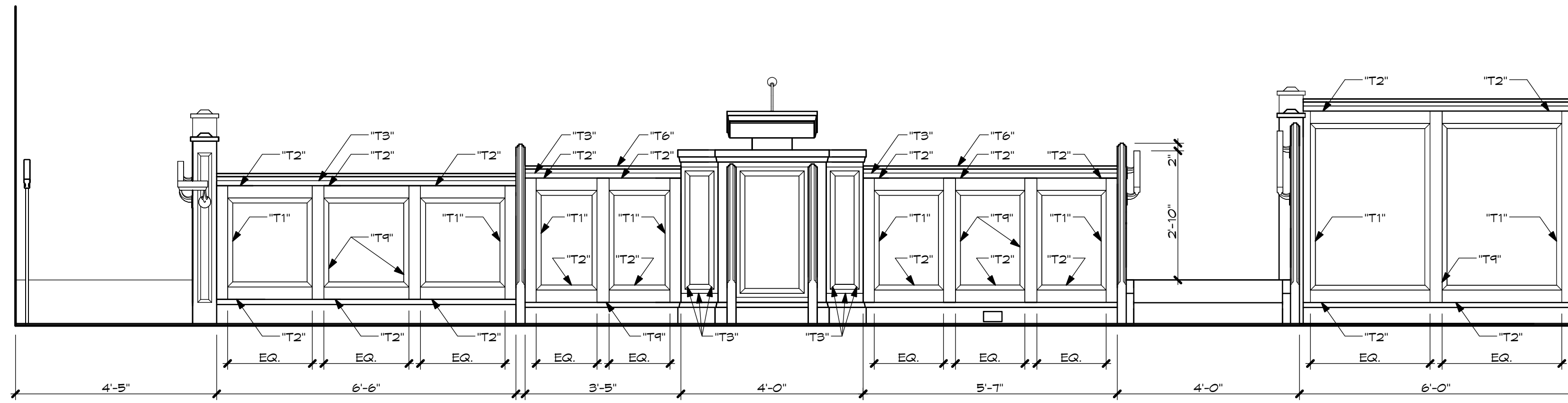


1 SECOND FLOOR FINISHES PLAN  
A5.1  
1/8" = 1'-0"  
NORTH

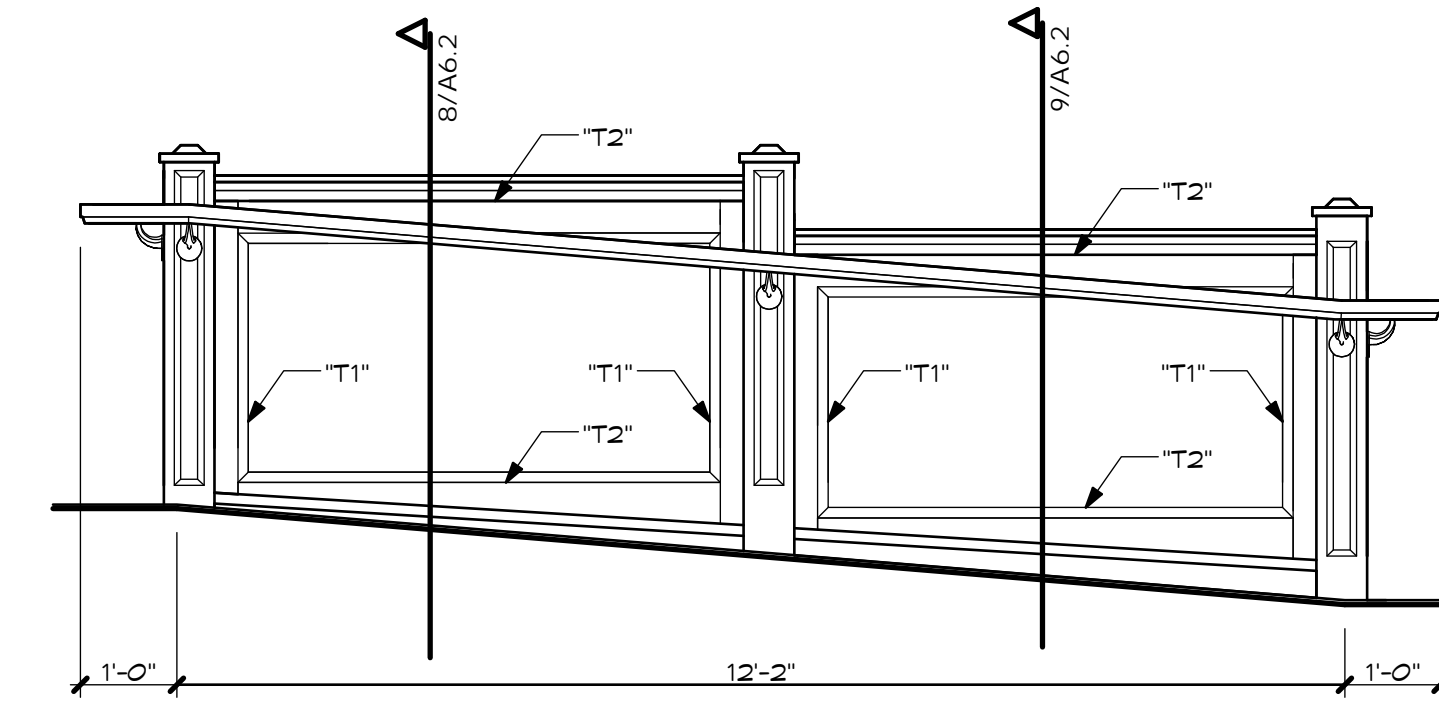
- GENERAL NOTES:** (THIS DRAWING ONLY)
- A. SHADED AREAS INDICATE ROOMS OR AREAS TO RECEIVE NEW FLOORING AND BASE - SEE TABULATION TABLE FOR NEW FLOORING MATERIAL.
  - B. [Hatched pattern] INDICATES ROOM OR AREA WHERE EXISTING FLOORING AND BASE HAS BEEN REMOVED BY ABATEMENT CONTRACTOR.
  - C. WALL FINISHES NOTE: ALL (E) PAINTED WALL FINISHES TO BE RE-PAINTED - COLOR AS SELECTED BY OWNER.

- KEYED NOTES:** (THIS DRAWING ONLY)
- 1 PROVIDE TRANSITION STRIP AT FLOOR TRANSITION

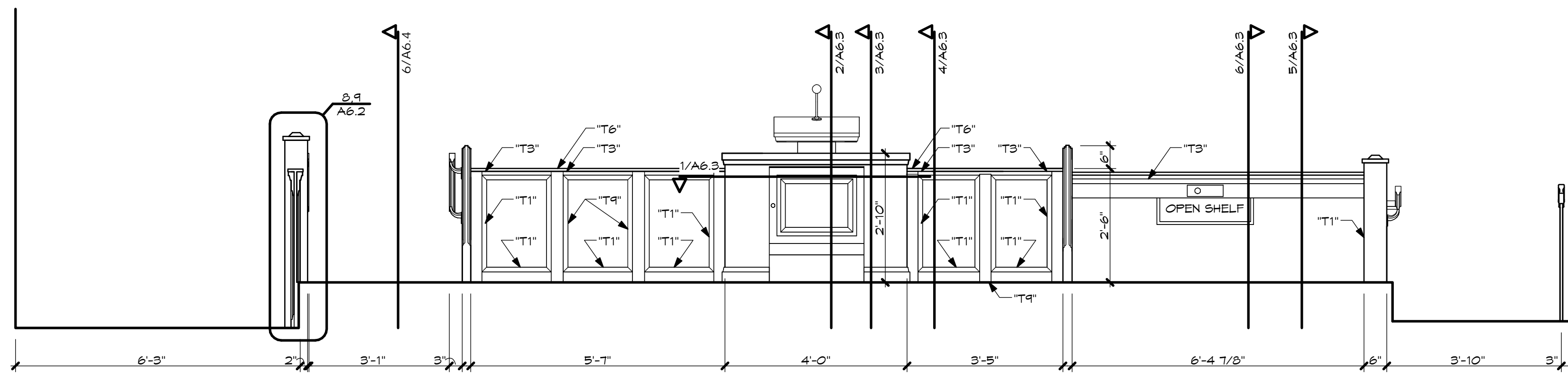




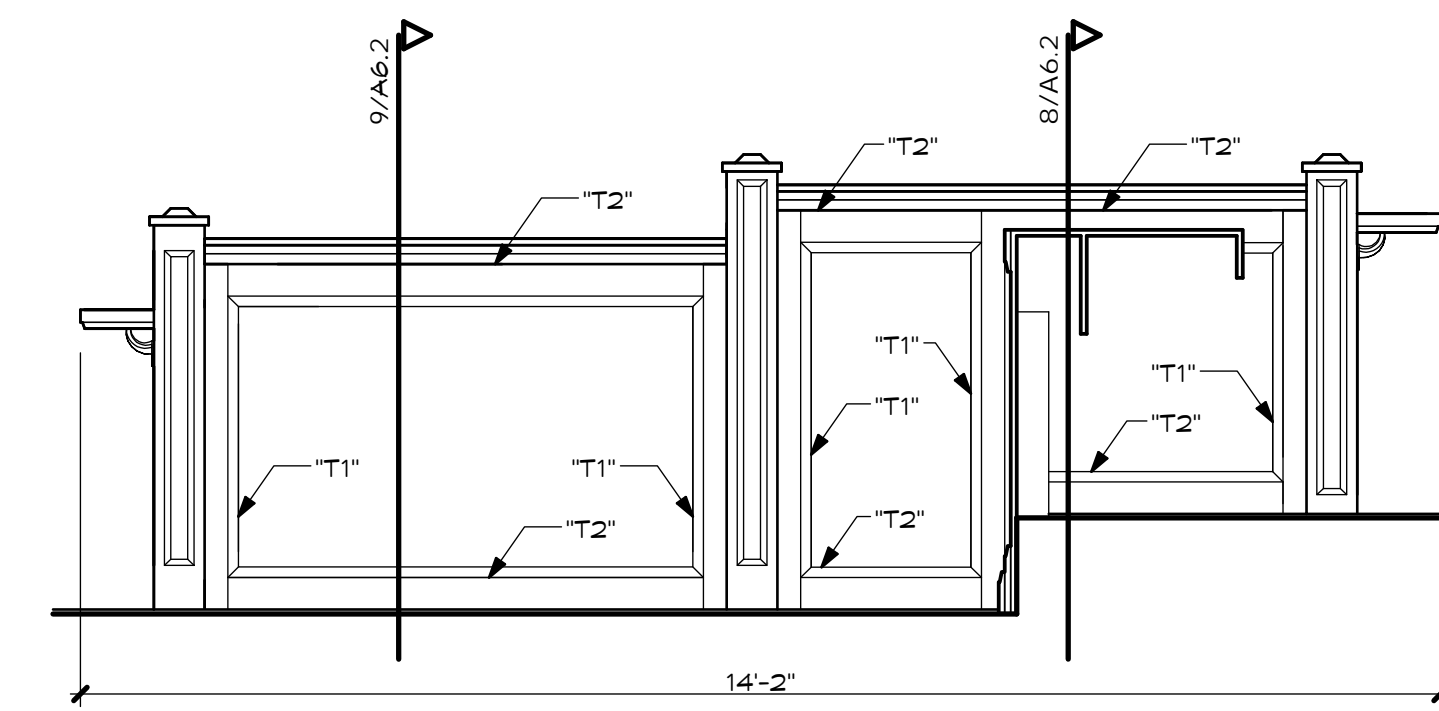
1 INTERIOR ELEVATION  
A6.1 1/2" = 1'-0"



2 INTERIOR ELEVATION  
A6.1 1/2" = 1'-0"

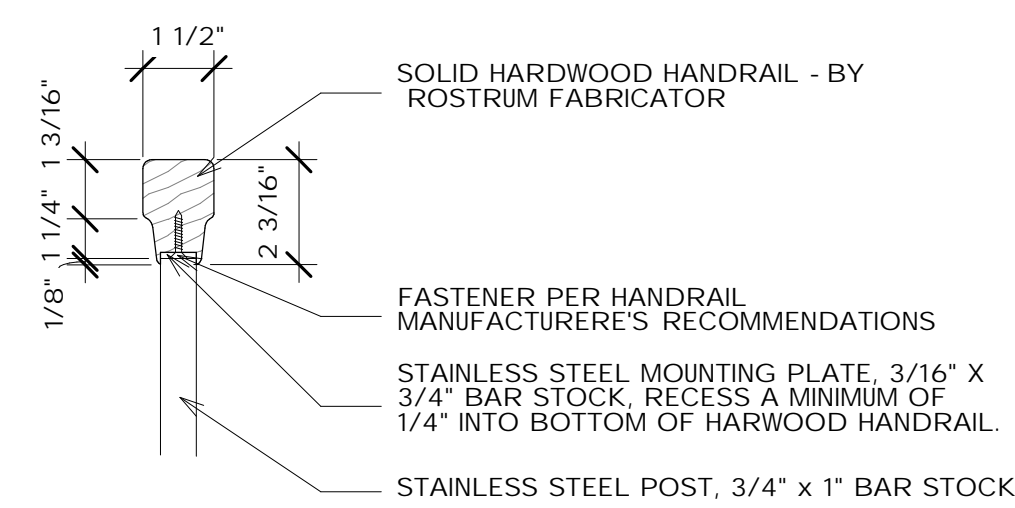


3 INTERIOR ELEVATION  
A6.1 1/2" = 1'-0"

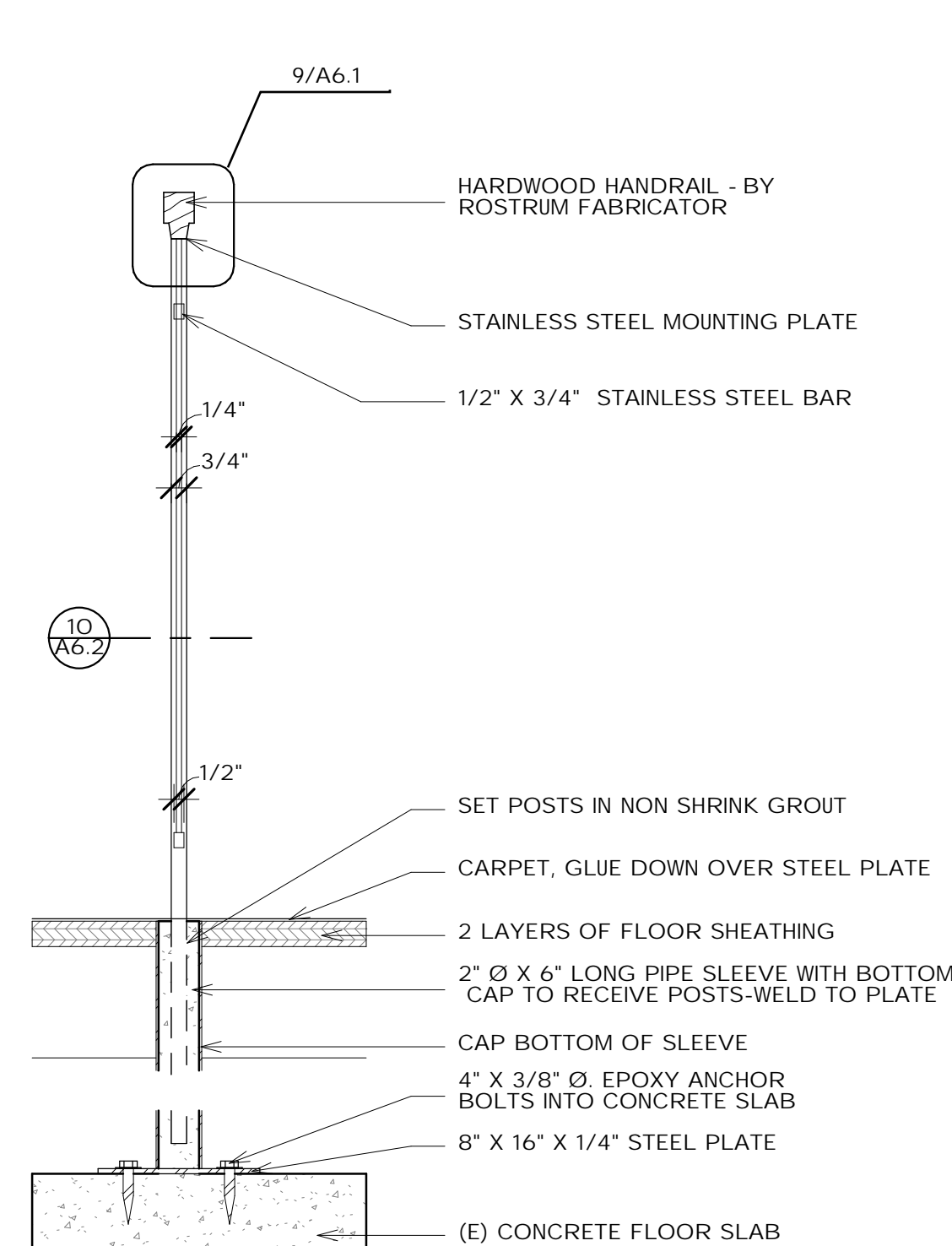


4 INTERIOR ELEVATION  
A6.1 1/2" = 1'-0"

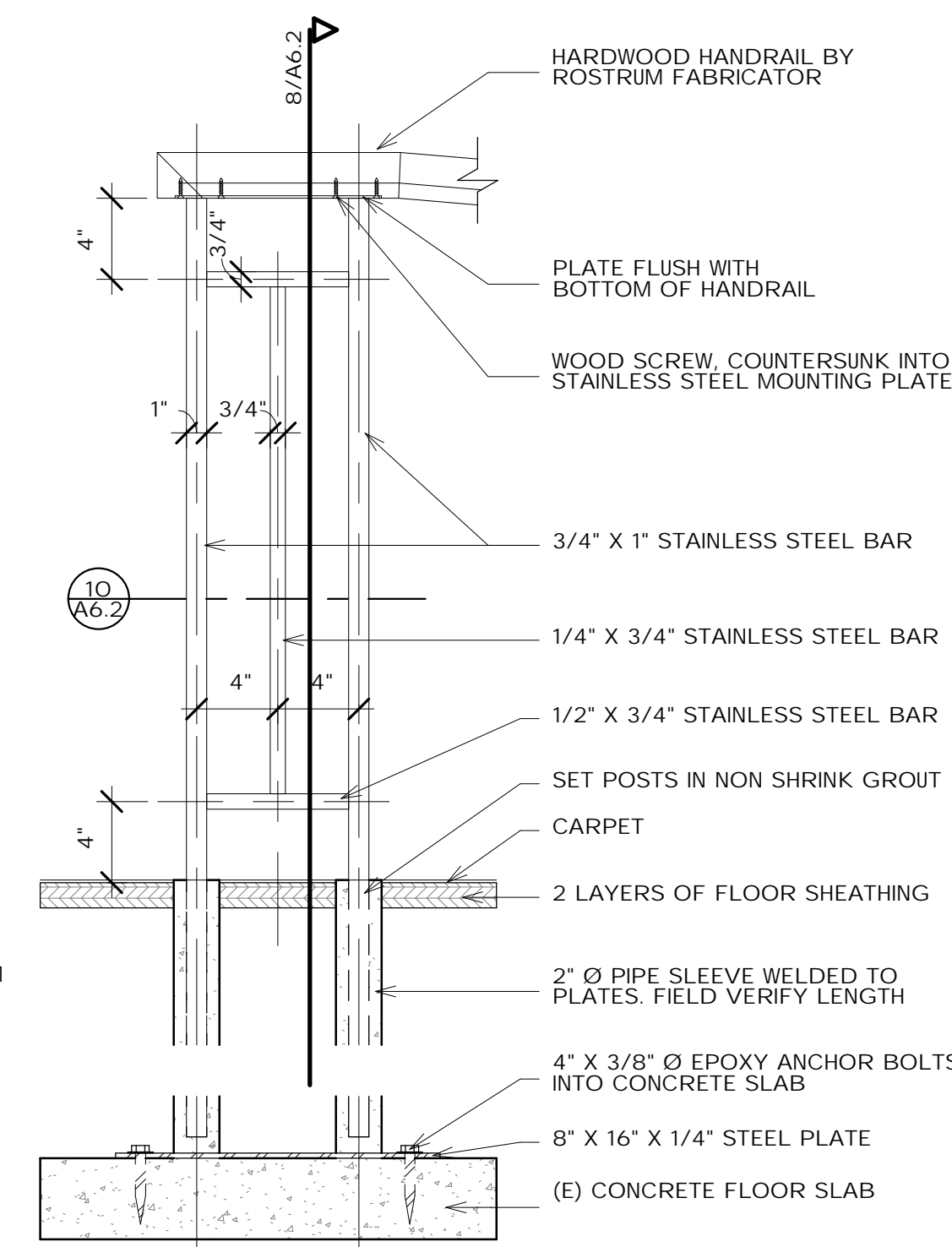
- GENERAL NOTES:**
- HARDWOOD TRIM DESIGNATIONS ("T#") REFER TO 1/A6.2.
  - VERIFY MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ADJUSTABLE PULFIT MECHANISM (HEIGHT OF SHELF).



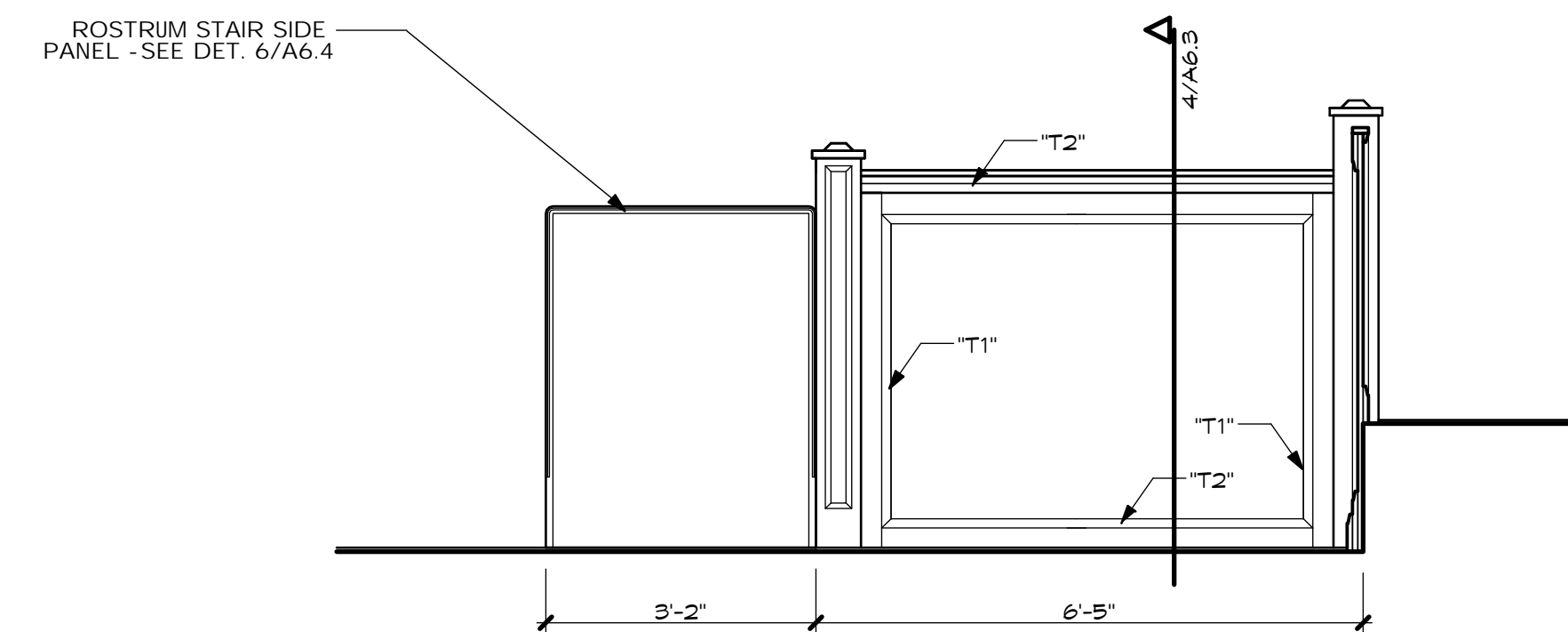
9 HANDRAIL PROFILE DETAIL  
A6.1 1 1/2" = 1'-0"



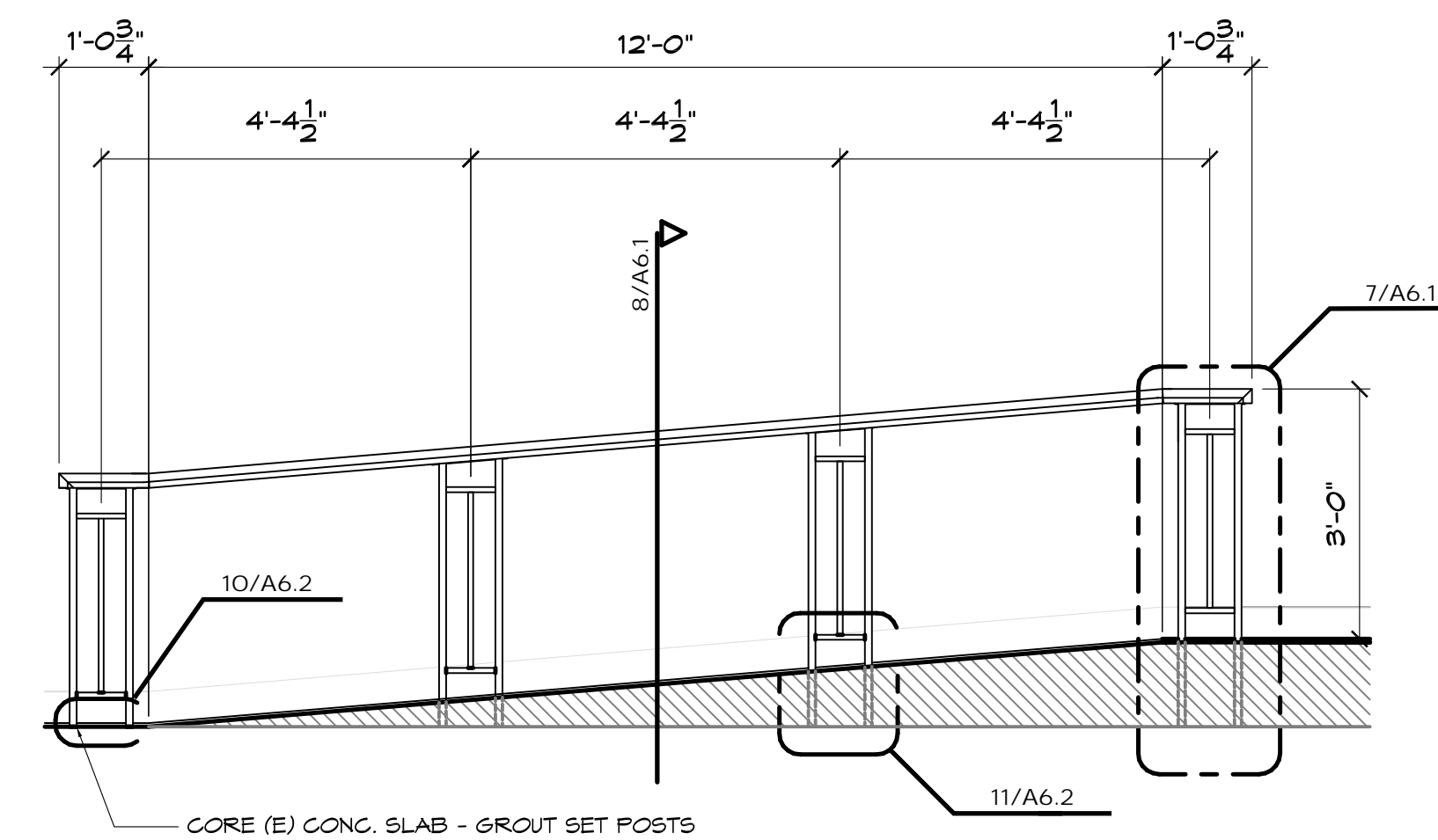
8 ROSTRUM HANDRAIL DETAIL  
A6.1 1 1/2" = 1'-0"



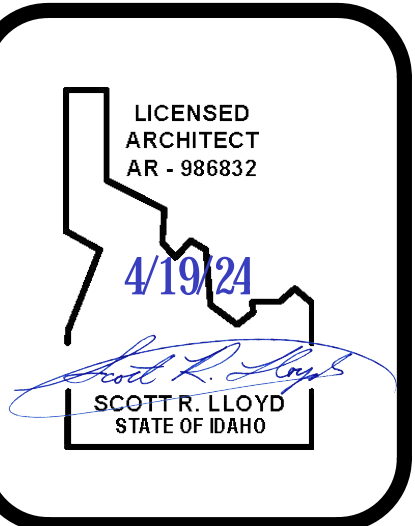
7 ROSTRUM HANDRAIL DETAIL  
A6.1 1 1/2" = 1'-0"



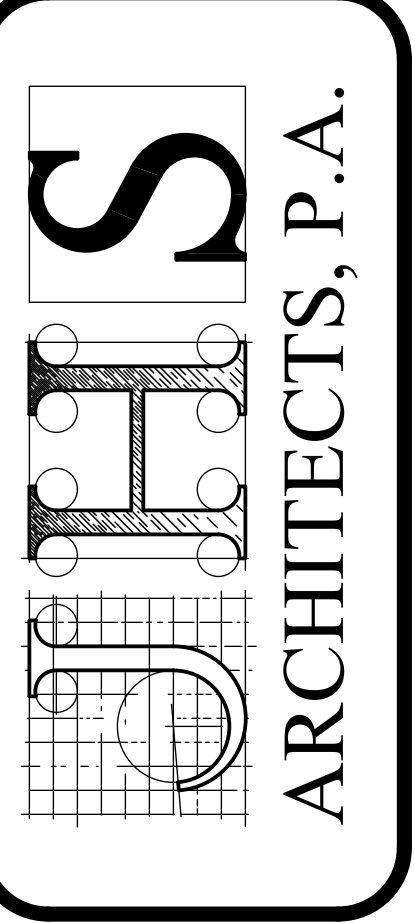
5 INTERIOR ELEVATION  
A6.1 1/2" = 1'-0"



6 INTERIOR ELEVATION  
A6.1 1/2" = 1'-0"



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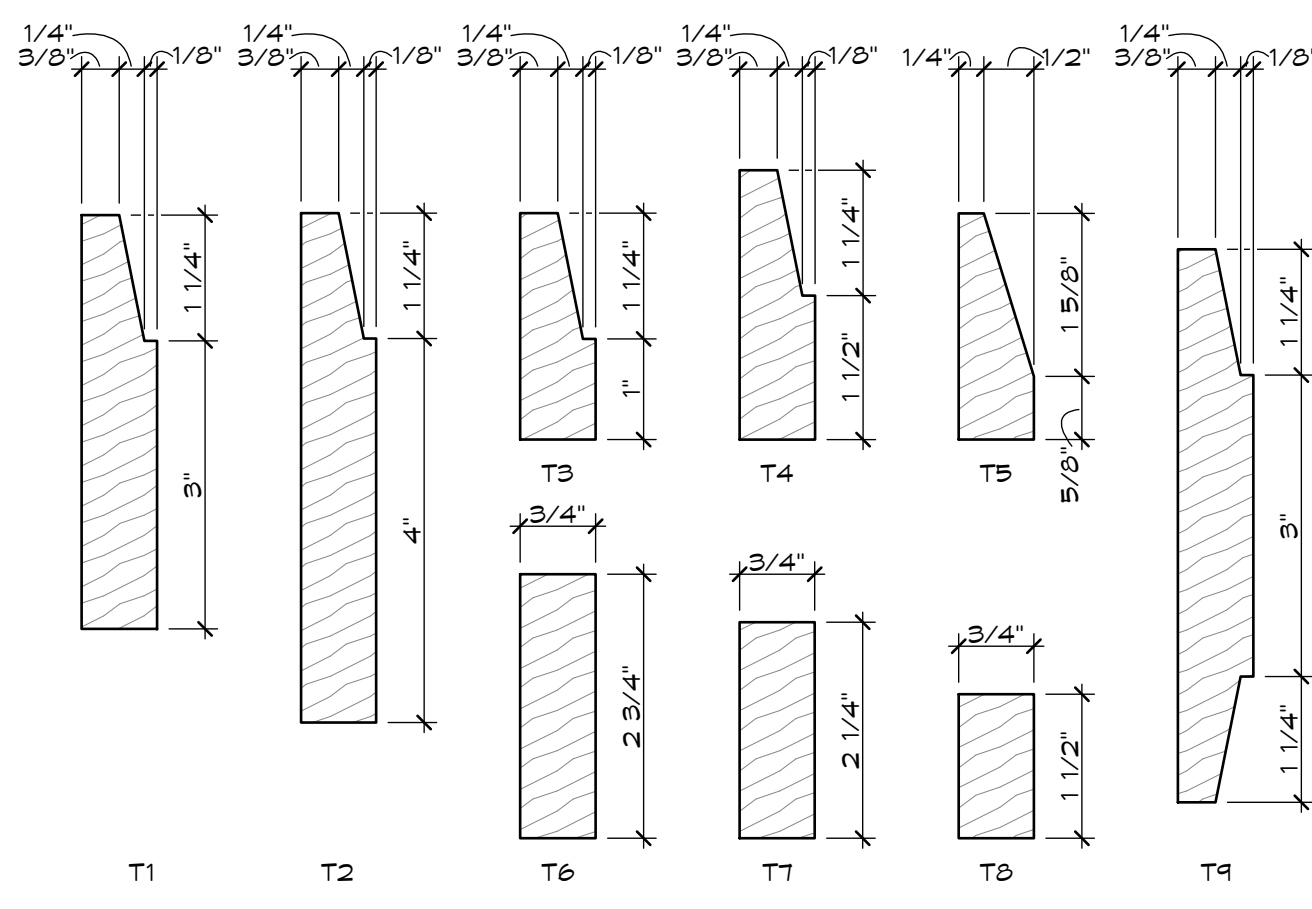
MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO  
INTERIOR DETAILS

REVISIONS:
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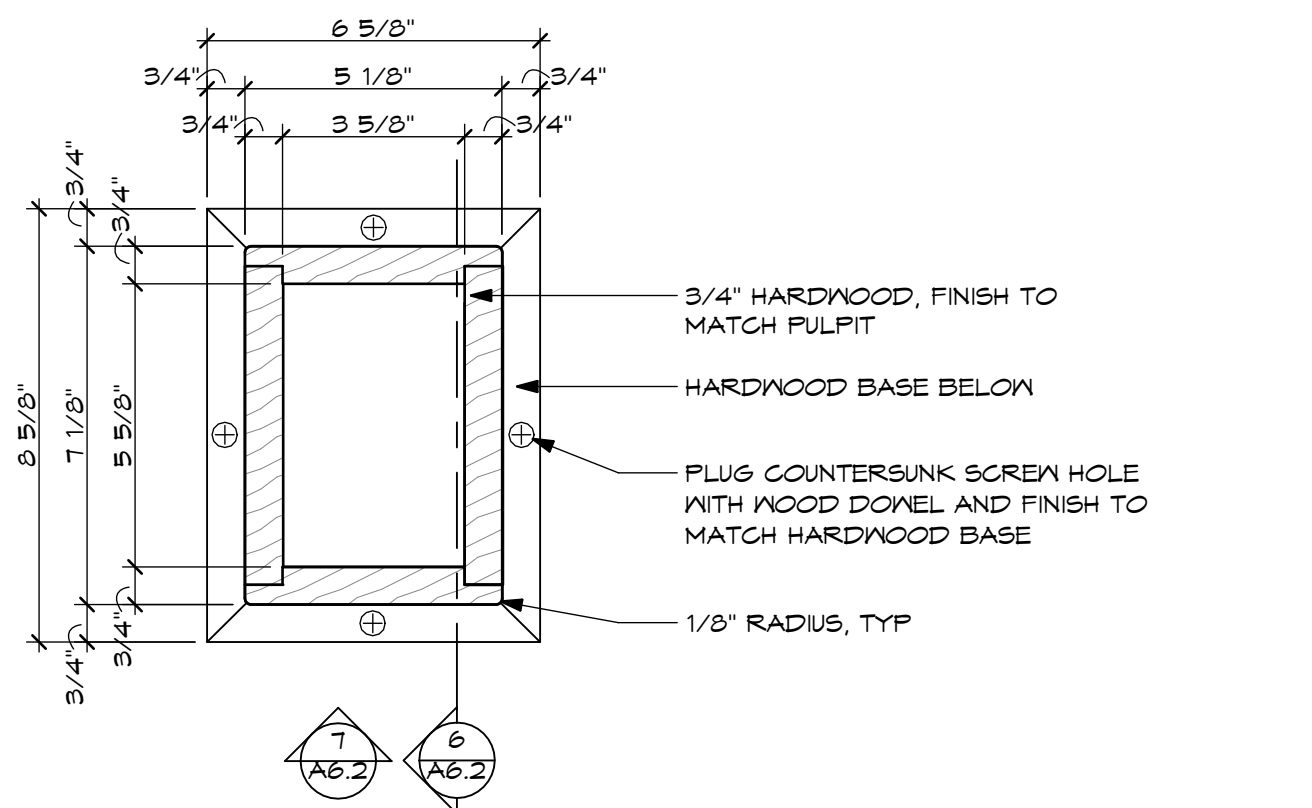
DATE: APR 24	DRAWING NO. <b>A6.1</b>
JOB NO. 2214	20 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
UPDATE: 04-10-24  
DRAWN BY: th

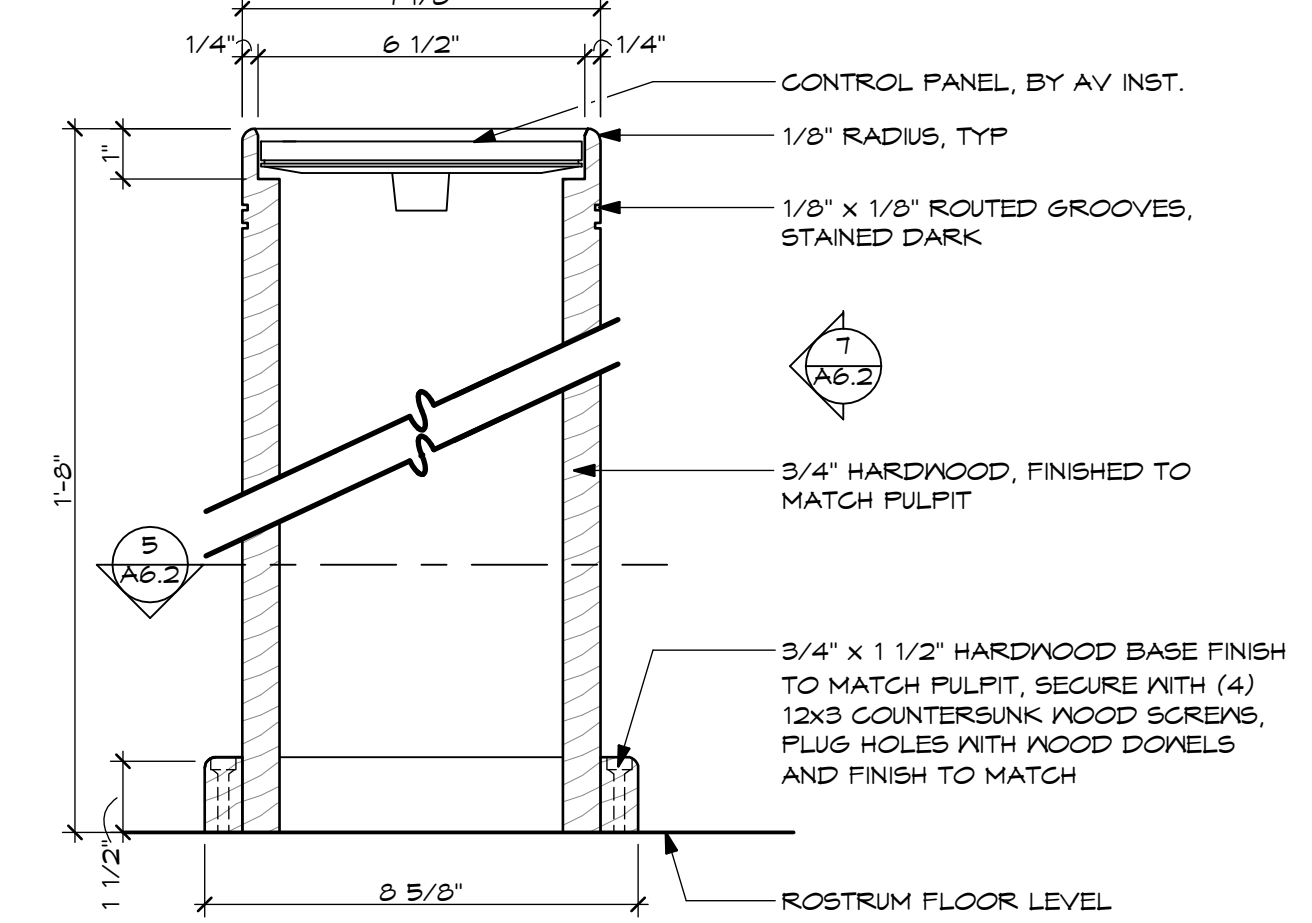




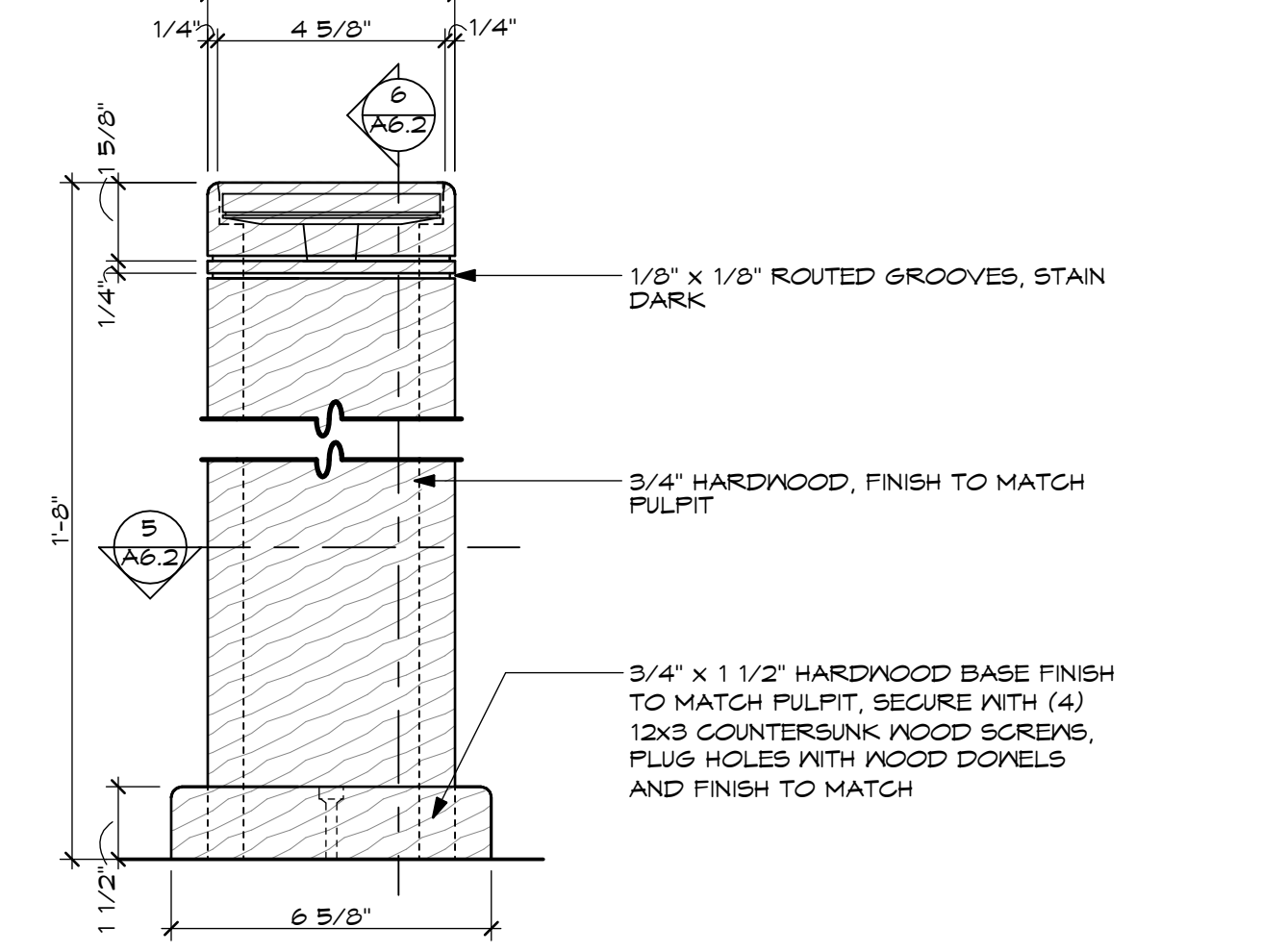
**1 MILLWORK HARDWOOD TRIM**  
A6.2 6" = 1'-0"



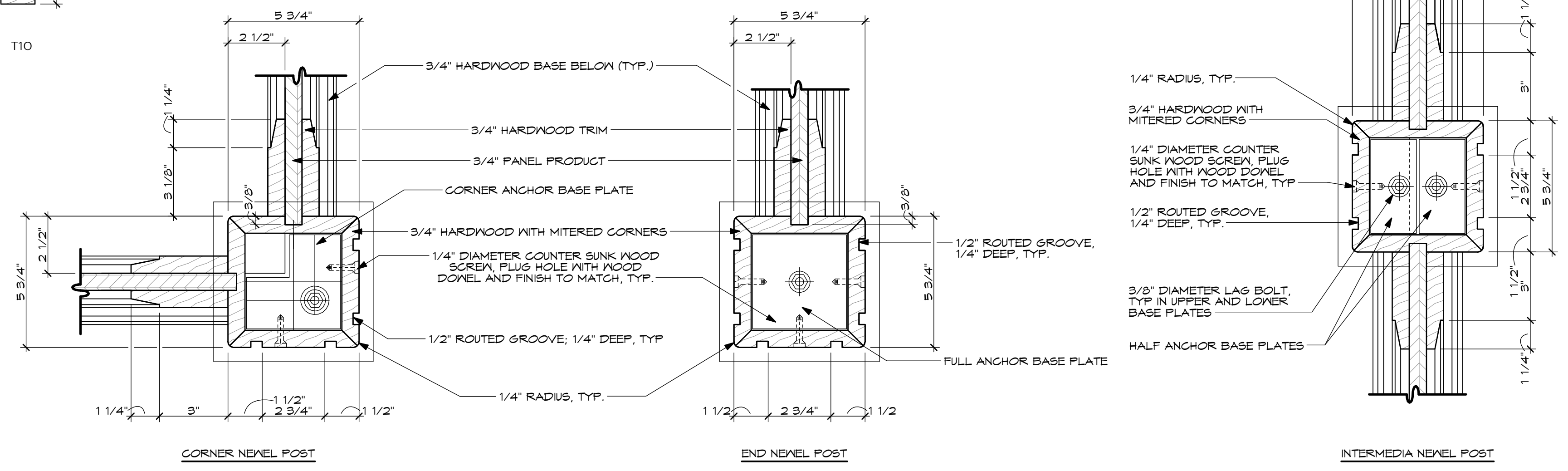
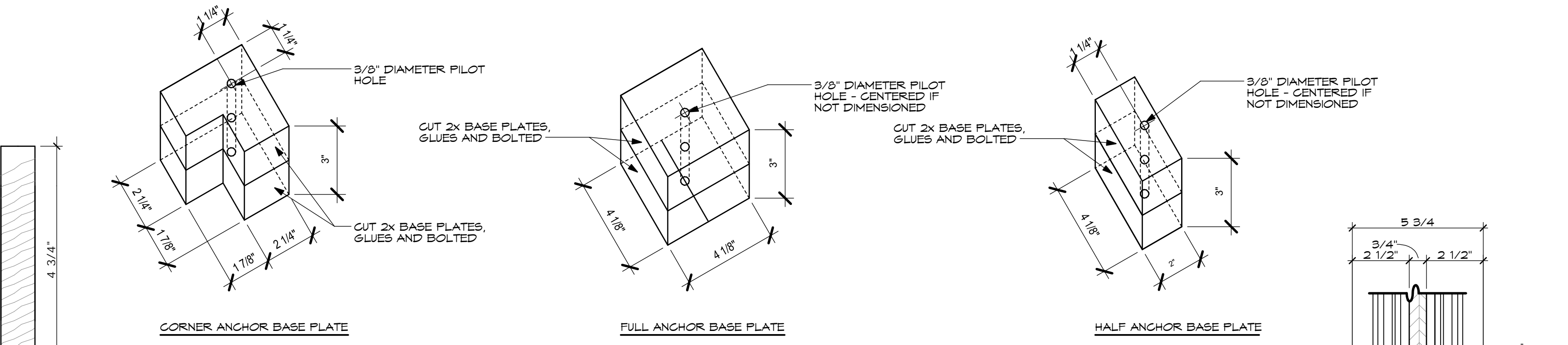
**5 CONTROL PEDESTAL**  
A6.2 3" = 1'-0"



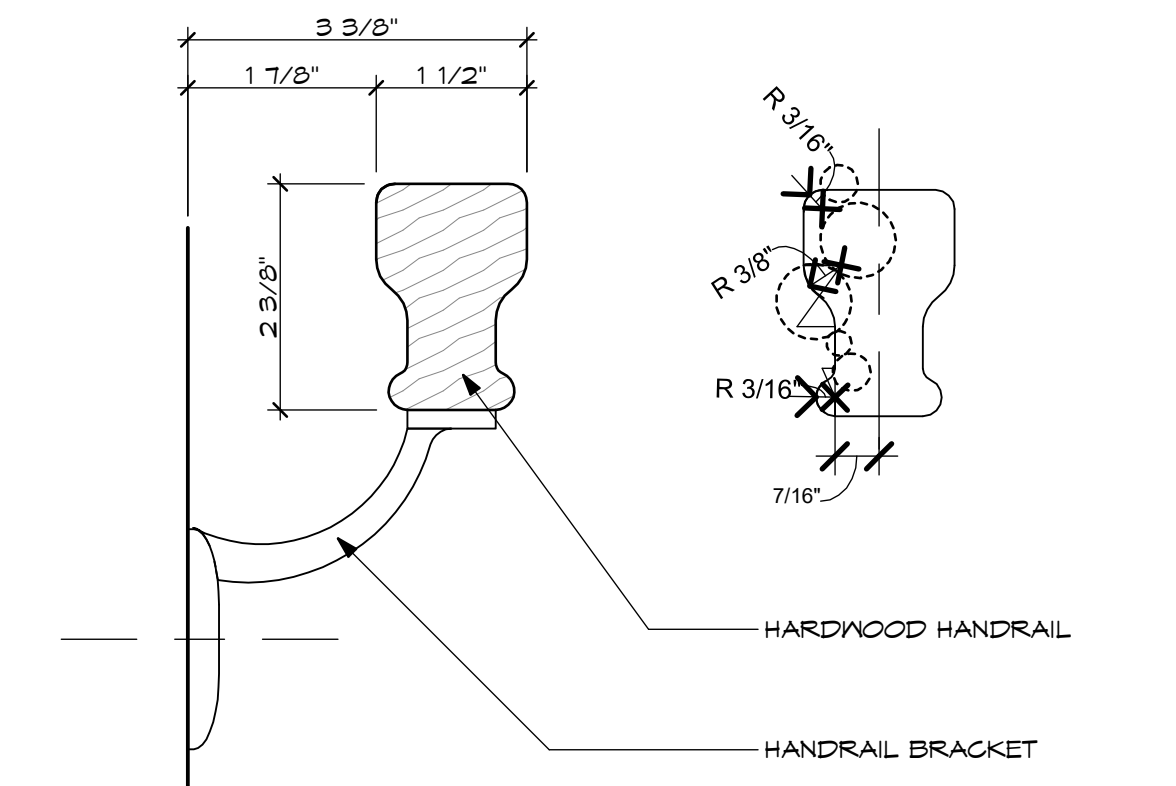
**6 CONTROL PEDESTAL SECTION**  
A6.2 3" = 1'-0"



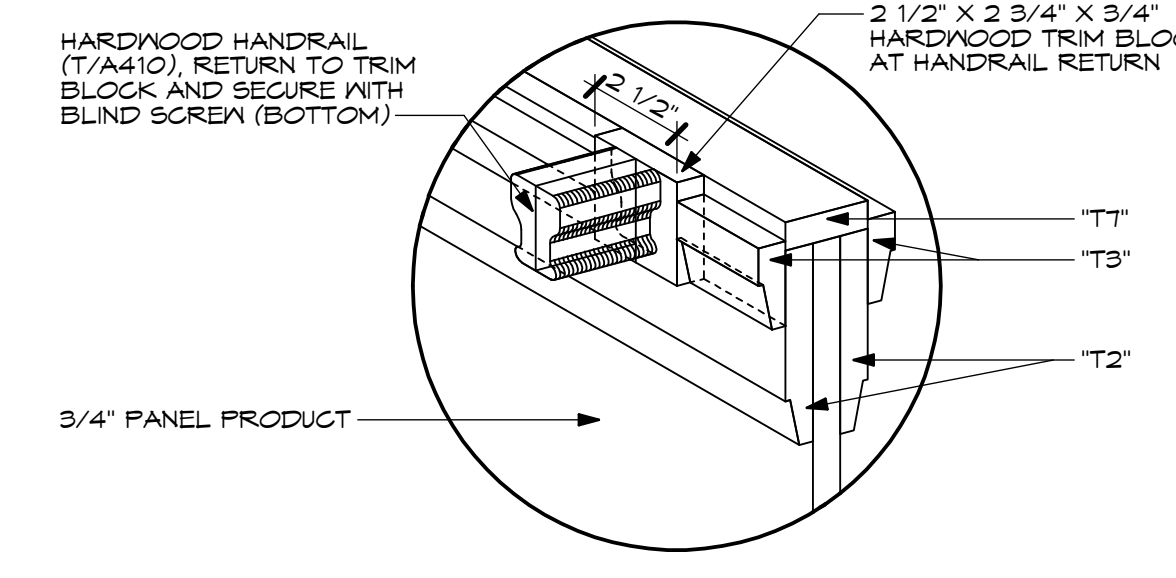
**7 CONTROL PEDESTAL SECTION**  
A6.2 3" = 1'-0"



**2 NEVEL POST TYPES**  
A6.2 3" = 1'-0"



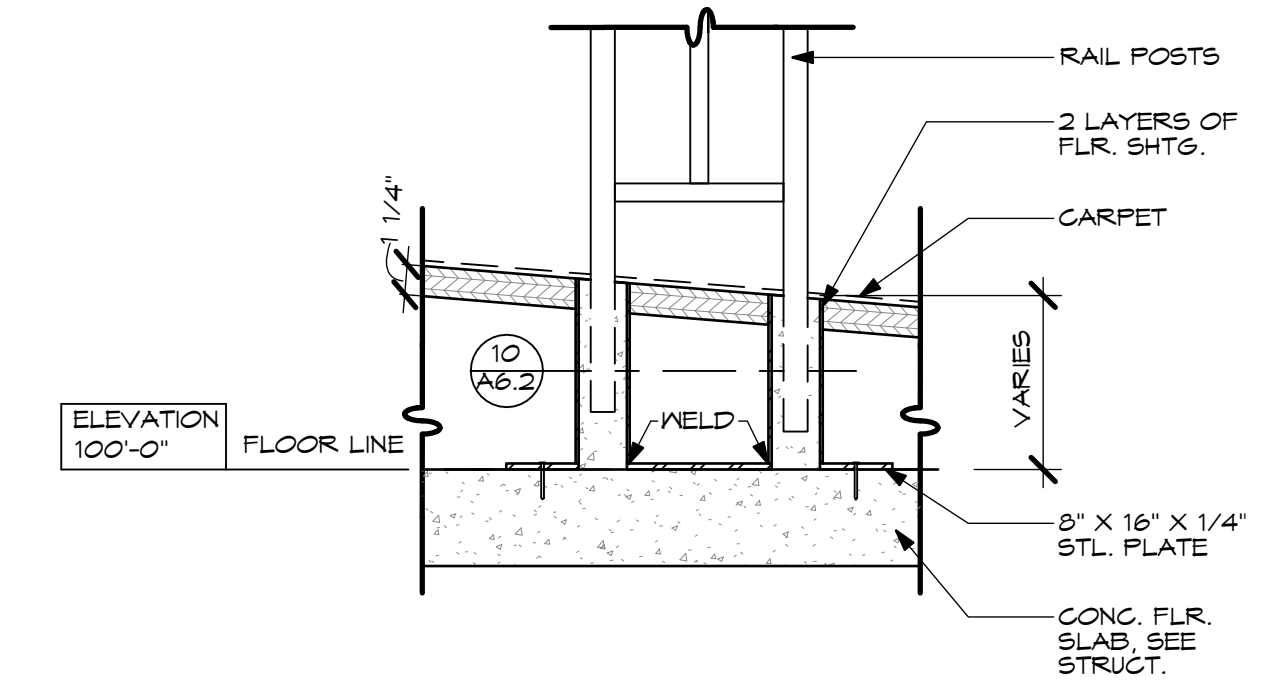
**3 HANDRAIL SECTION**  
A6.2 6" = 1'-0"



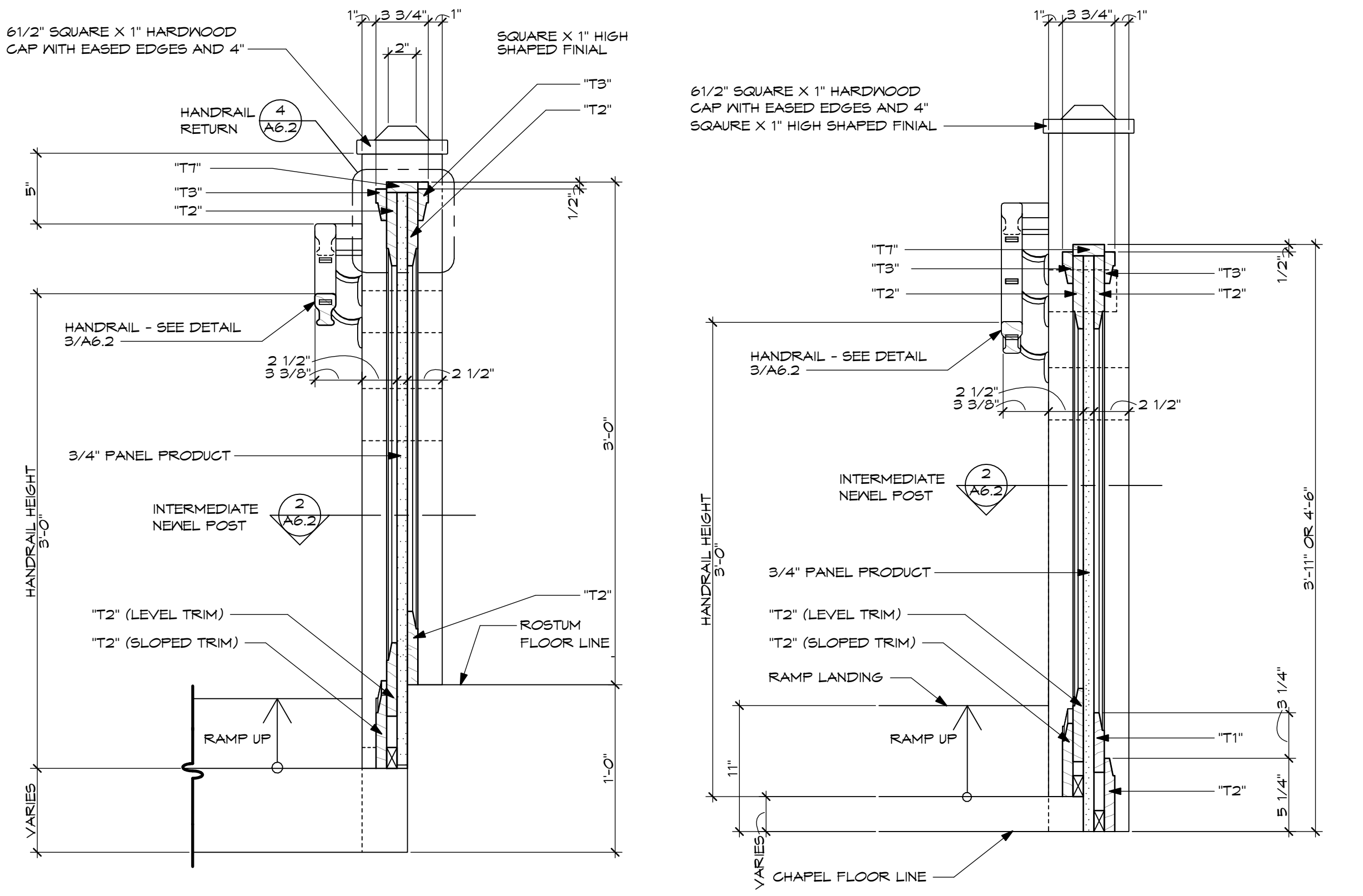
**4 HANDRAIL RETURN DETAIL**  
A6.2 1 1/2" = 1'-0"

**GENERAL NOTES:**

- HARDWOOD TRIM DESIGNATIONS ("T#") REFER TO 1/A6.2.
- VERIFY MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ADJUSTABLE PULPIT MECHANISM (HEIGHT OF SHELF).

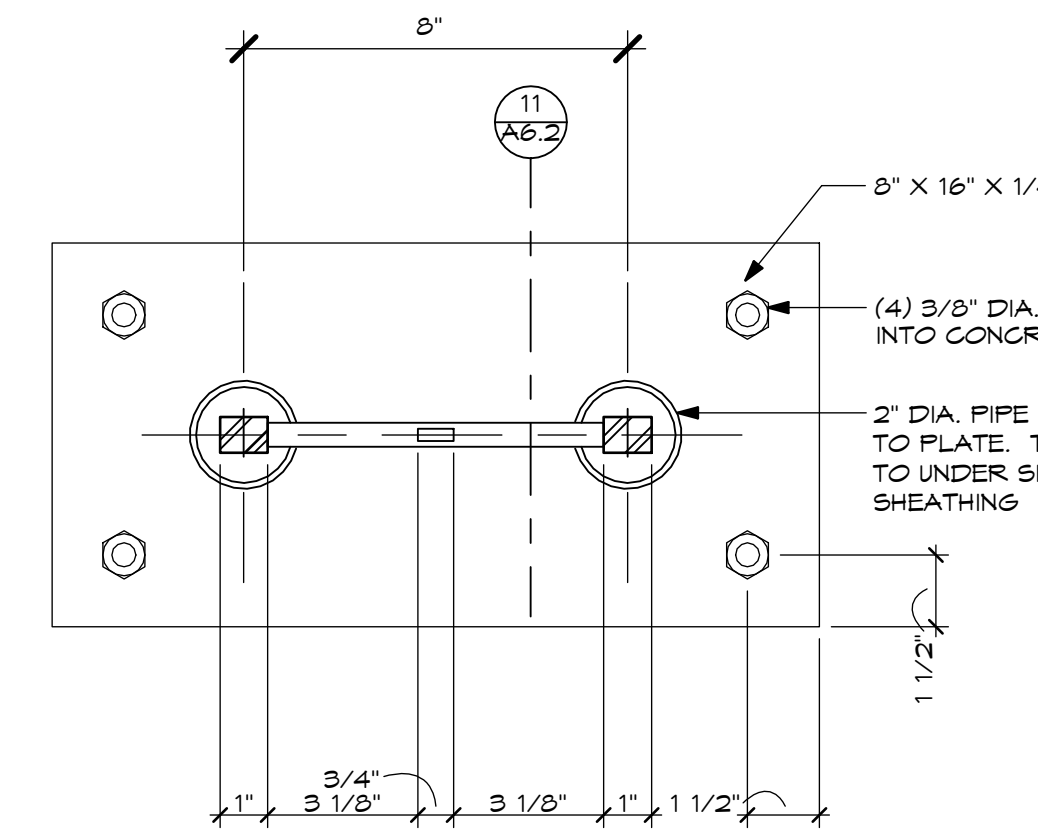


**11 HANDRAIL SUPPORT DETAIL**  
A6.2 1 1/2" = 1'-0"



**8 CONTROL PEDESTAL SECTION**  
A6.2 1 1/2" = 1'-0"

**9 CONTROL PEDESTAL SECTION**  
A6.2 1 1/2" = 1'-0"



**10 HANDRAIL SUPPORT DETAIL**  
A6.2 3" = 1'-0"

LICENSED ARCHITECT  
AR - 986832  
4/13/24  
SCOTT R. LLOYD  
STATE OF IDAHO

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**JHS**  
ARCHITECTS, P.A.

MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO  
INTERIOR DETAILS

REVISIONS:

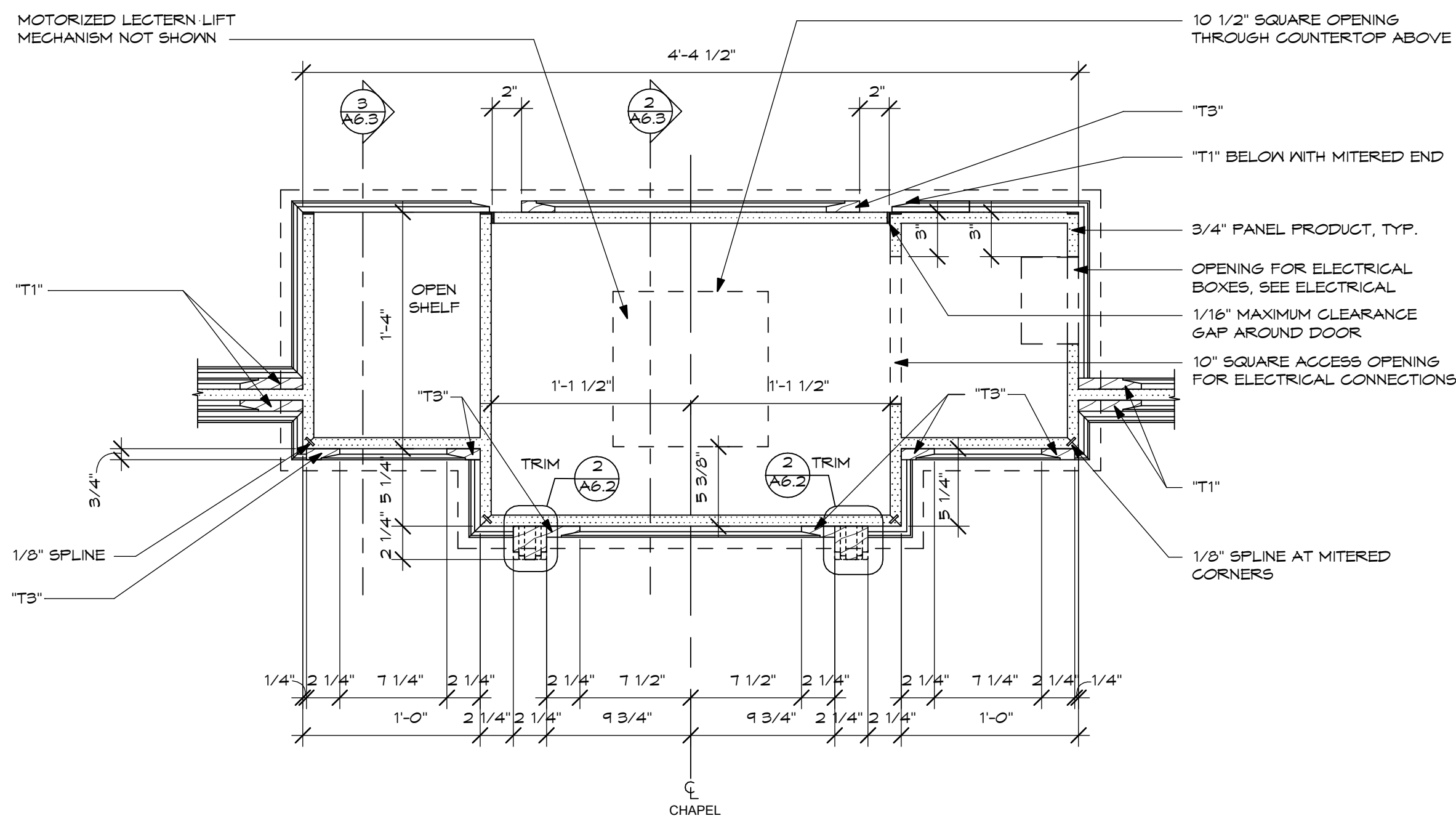
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DATE: APR 24  
DRAWING NO. A6.2  
JOB NO. 2214  
21 OF 23

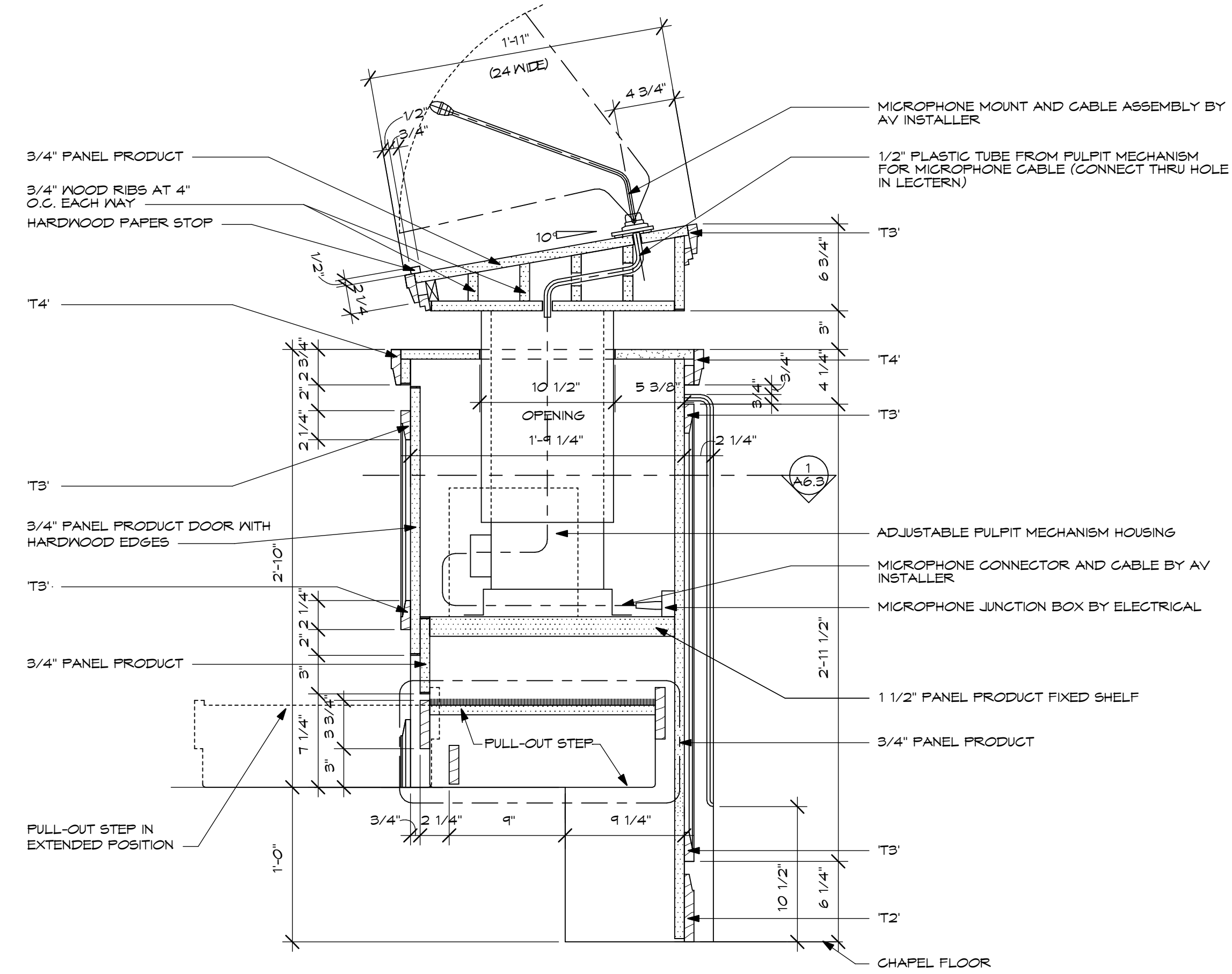


**GENERAL NOTES:**

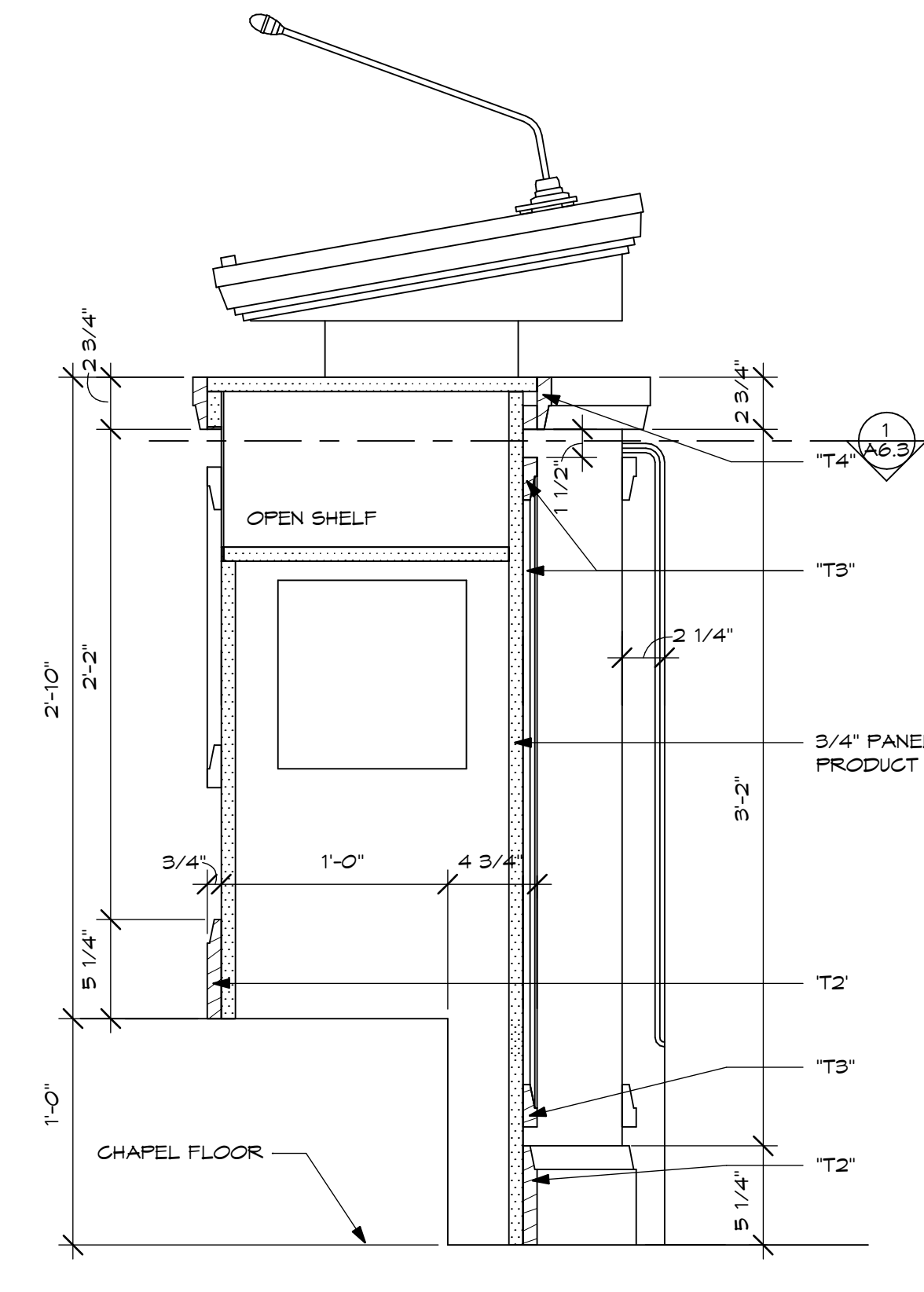
- HARDWOOD TRIM DESIGNATIONS (" T# ") REFER TO 1/A6.2.
- VERIFY MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ADJUSTABLE PULPIT MECHANISM (HEIGHT OF SHELF).



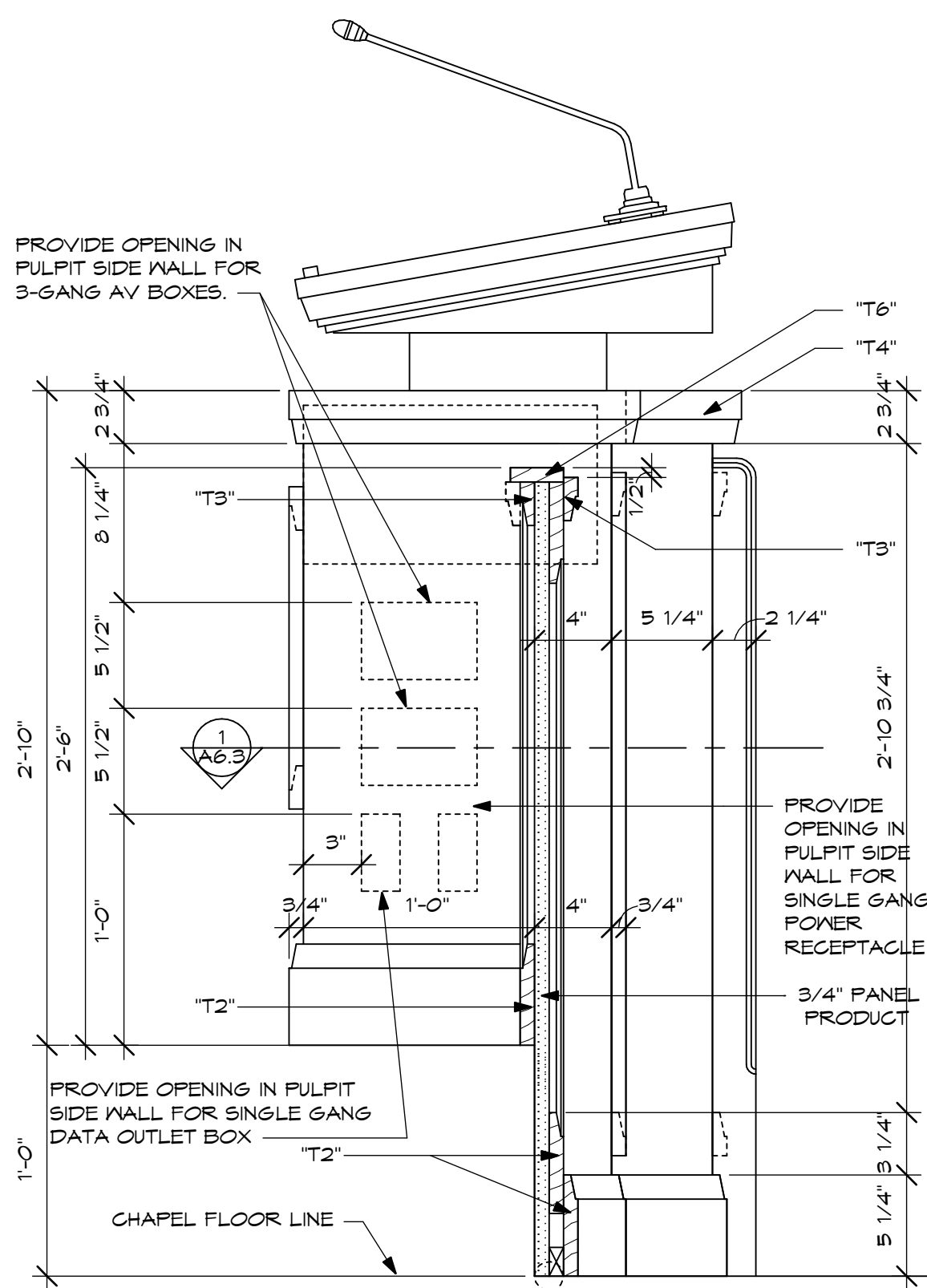
**1 PULPIT AND MODESTY RAIL WALL**  
A6.3 1 1/2" = 1'-0"



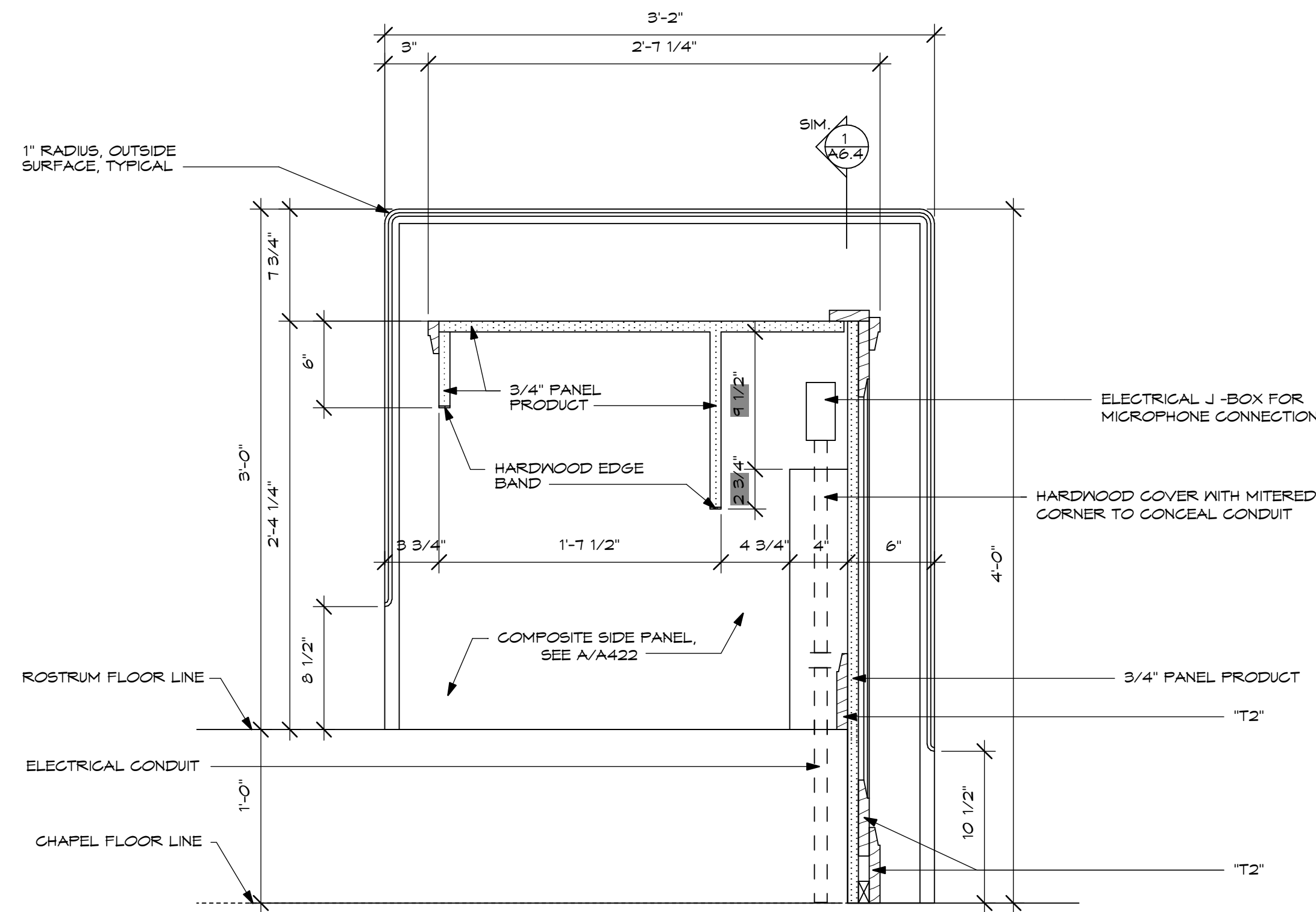
**2 PULPIT SECTION**  
A6.3 1 1/2" = 1'-0"



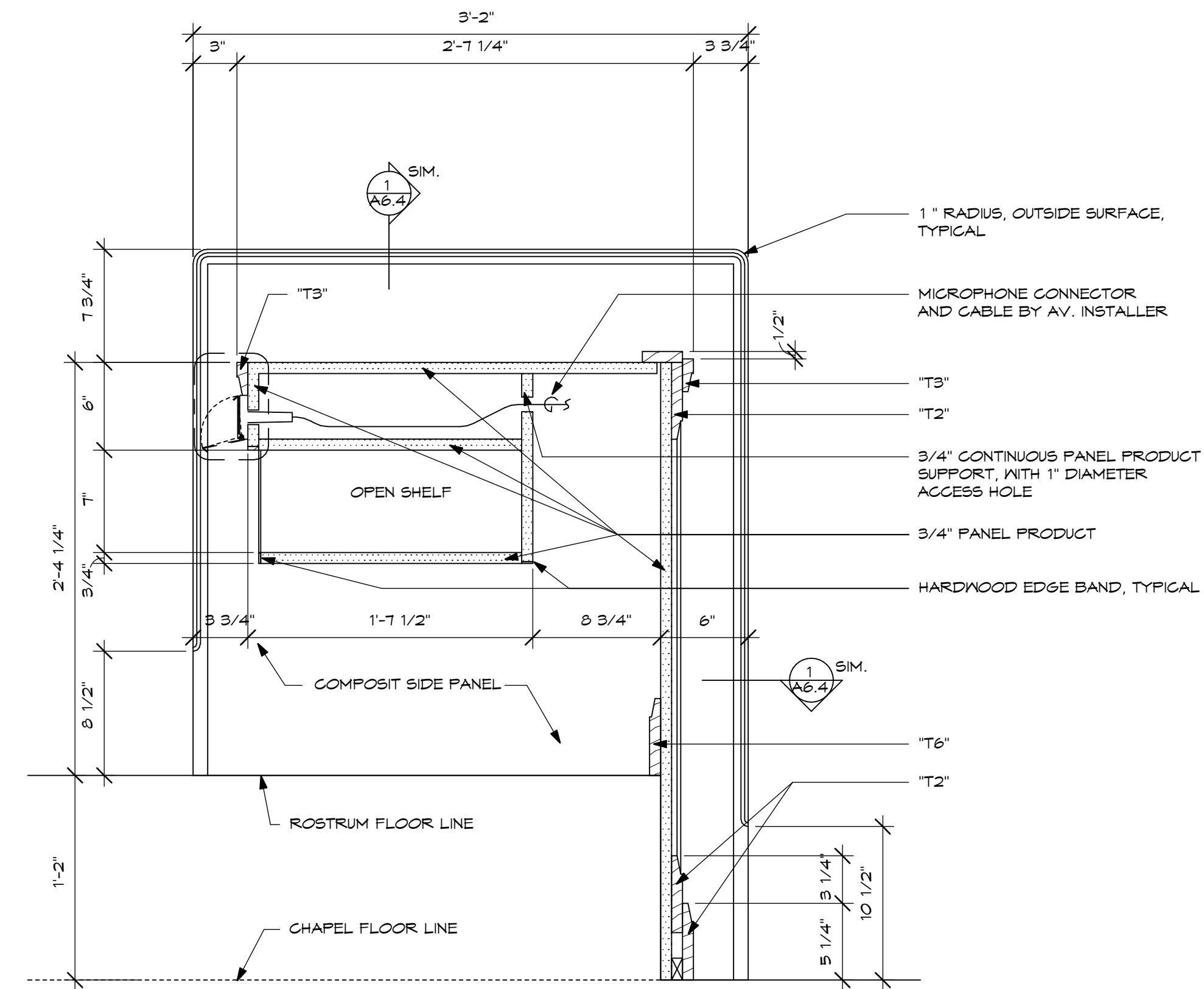
**3 PULPIT SECTION**  
A6.3 1 1/2" = 1'-0"



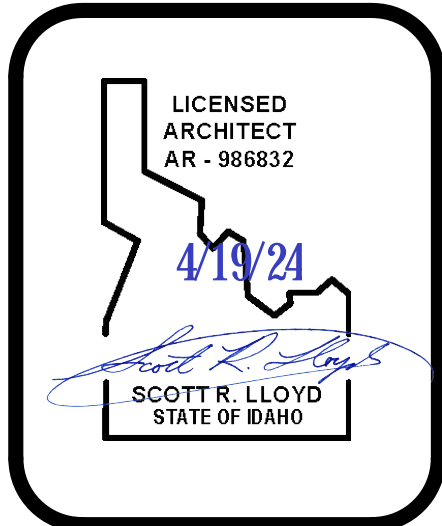
**4 MODESTY WALL**  
A6.3 1 1/2" = 1'-0"



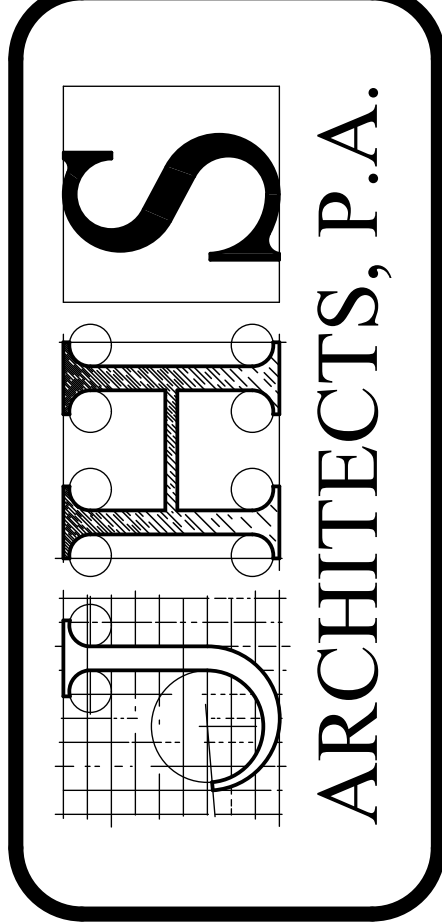
**5 SACRAMENT TABLE**  
A6.3 1 1/2" = 1'-0"



**6 SACRAMENT TABLE**  
A6.3 1 1/2" = 1'-0"



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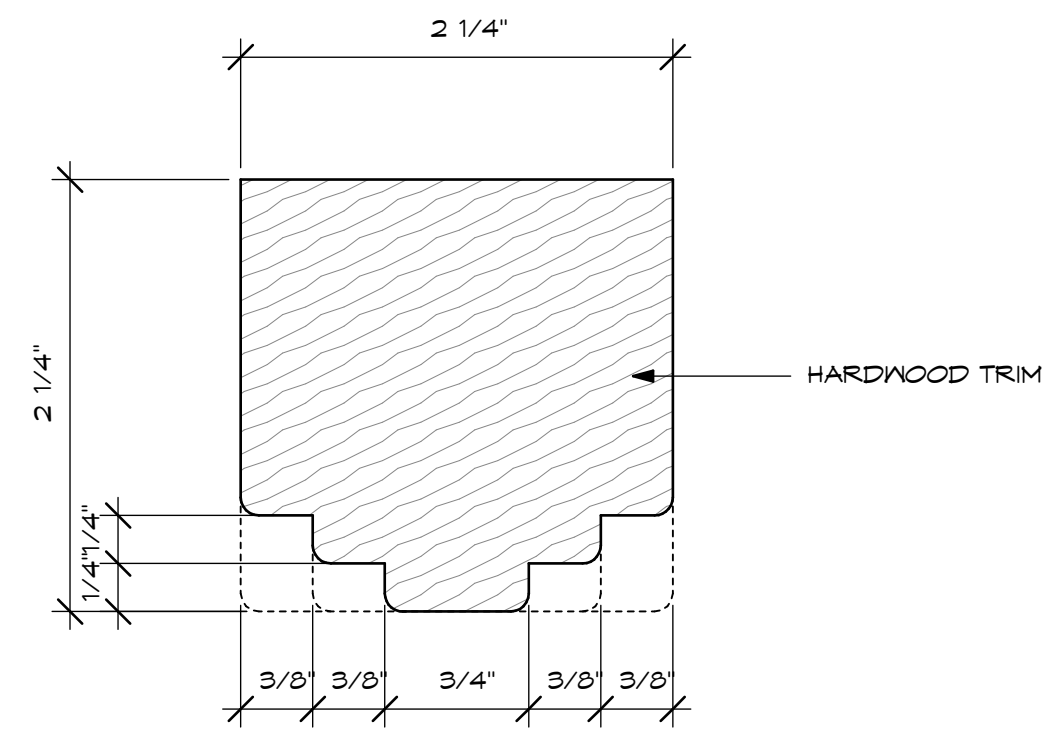


MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO  
INTERIOR DETAILS

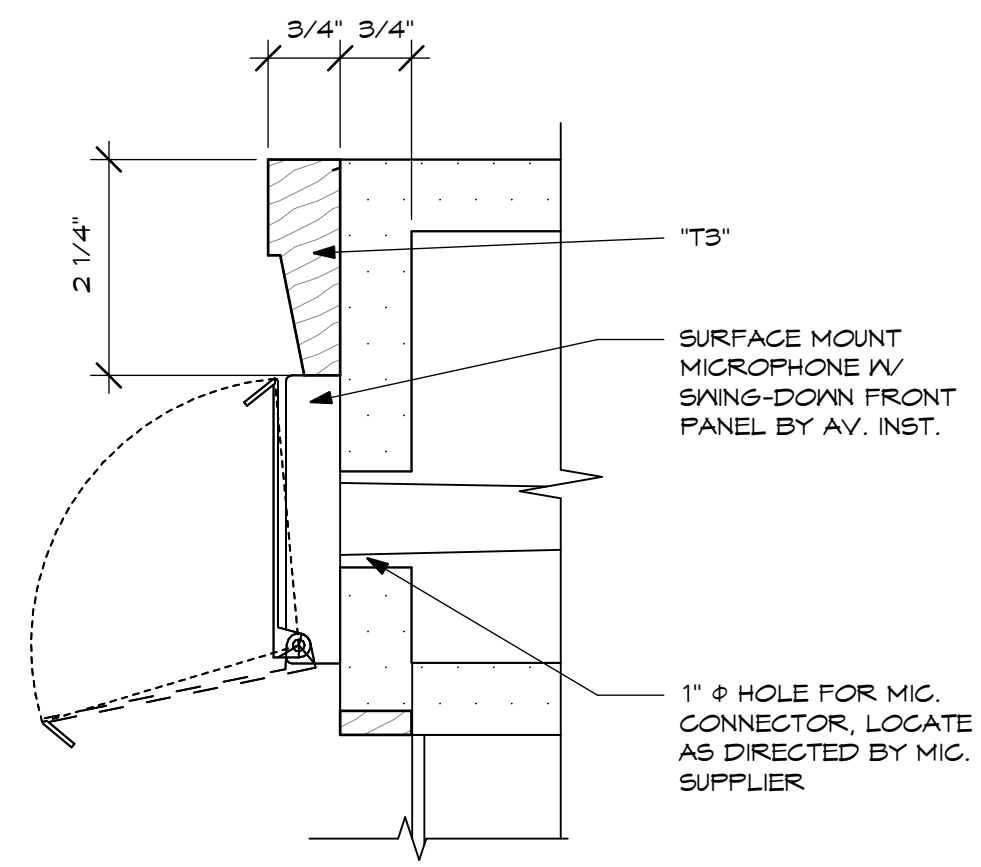
REVISIONS:
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DATE: APR 24	DRAWING NO. A6.3
JOB NO. 2214	22 OF 23

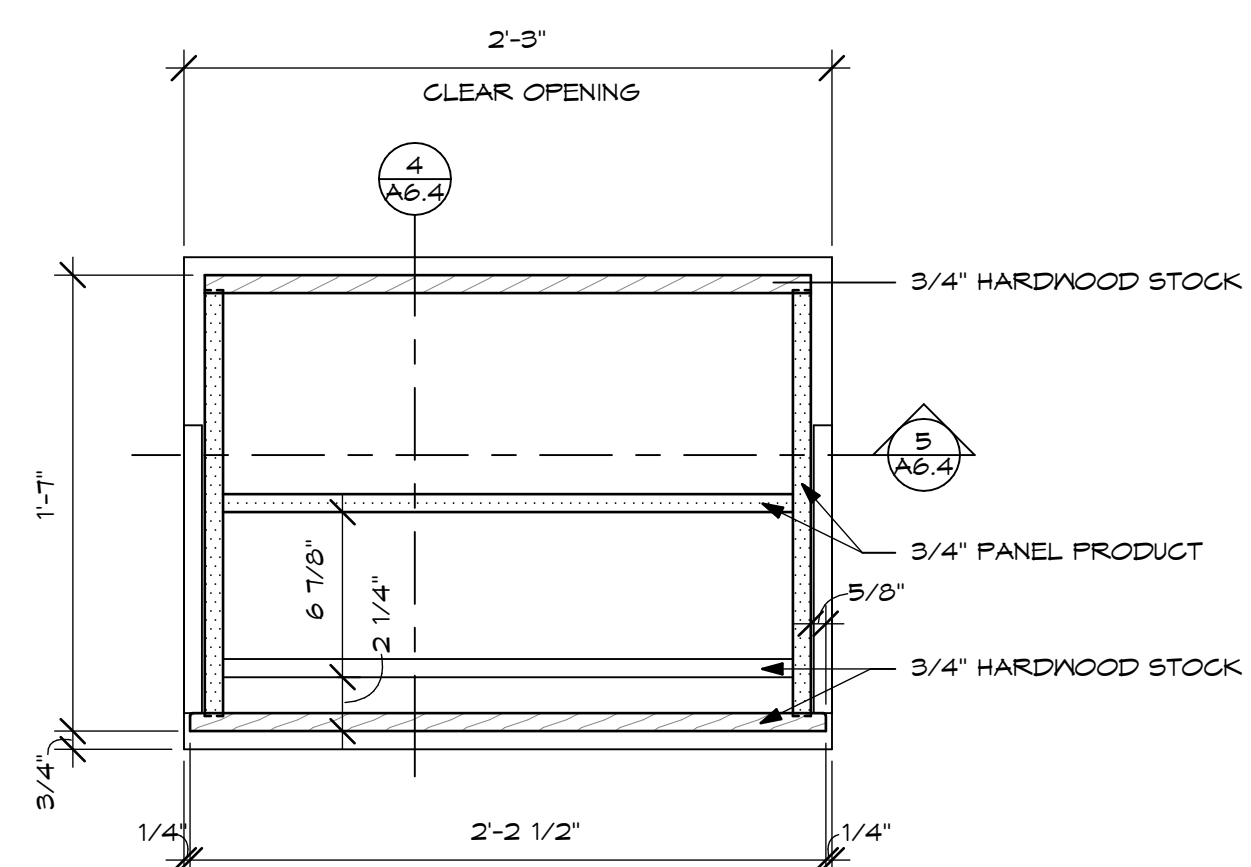
NOTE:  
ROUNDED CORNERS TO BE 3/32" RADIUS



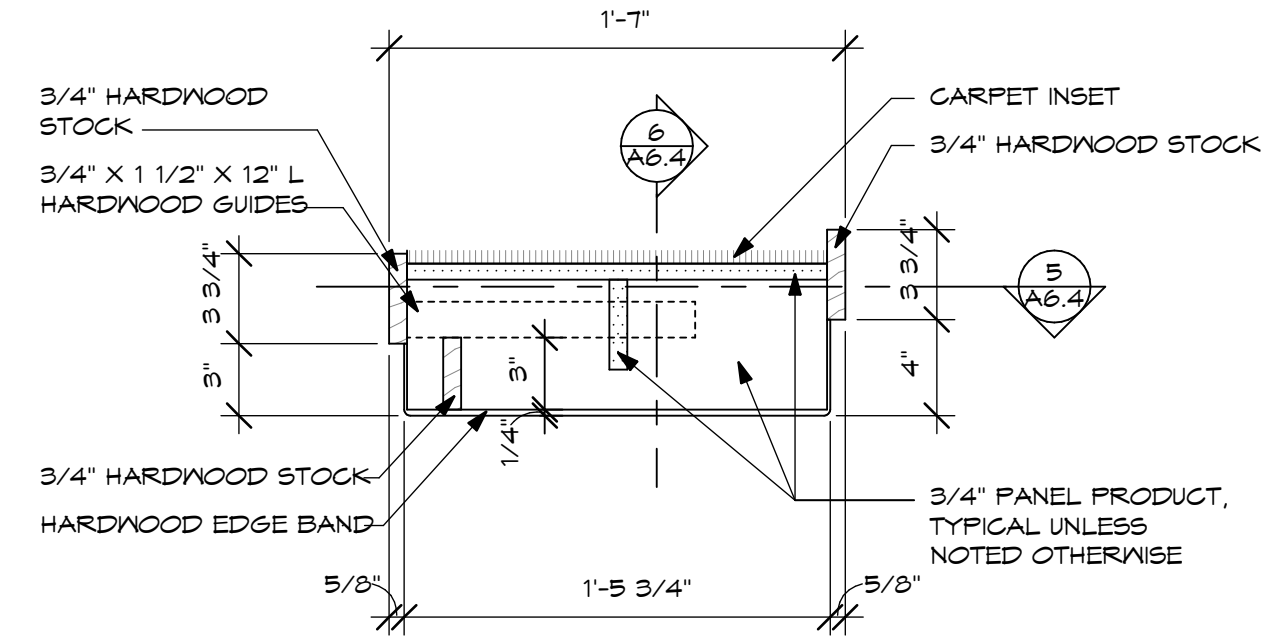
**1 PULPIT TRIM DETAIL**  
A6.4 12" = 1'-0"



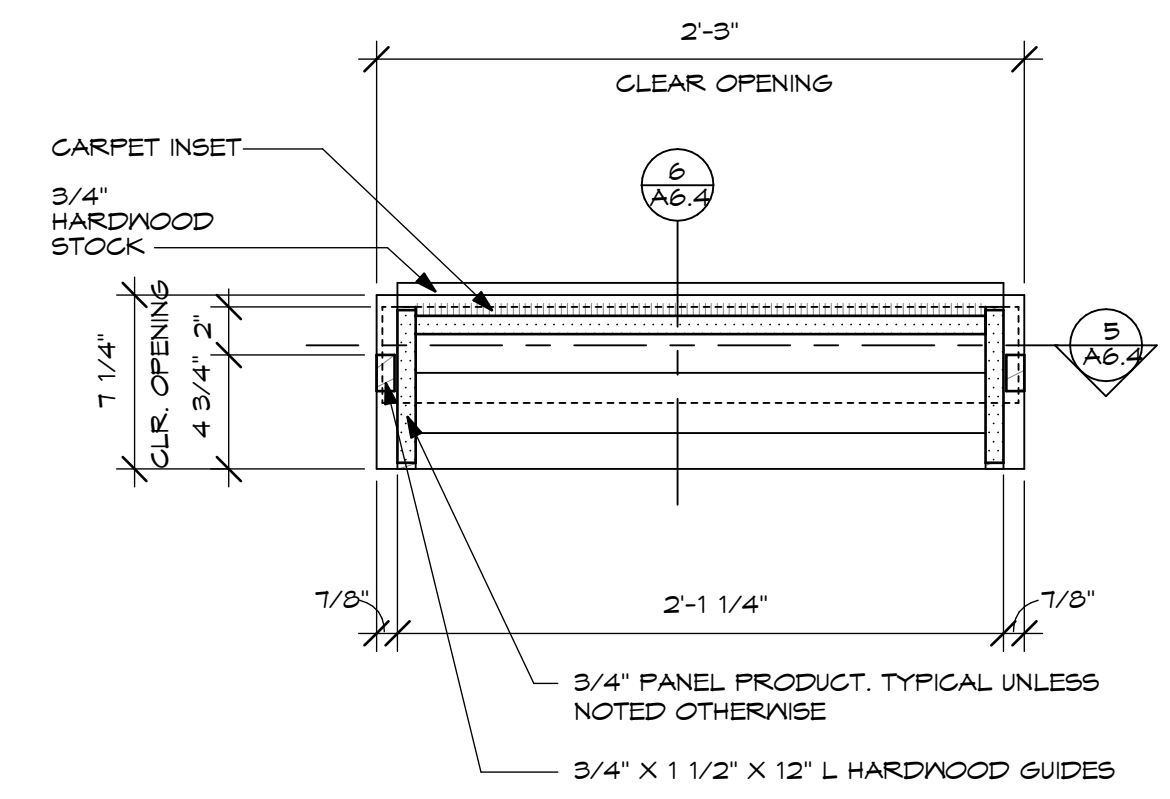
**2 ENLARGED SACRAMENT TRIM**  
A6.4 6" = 1'-0"



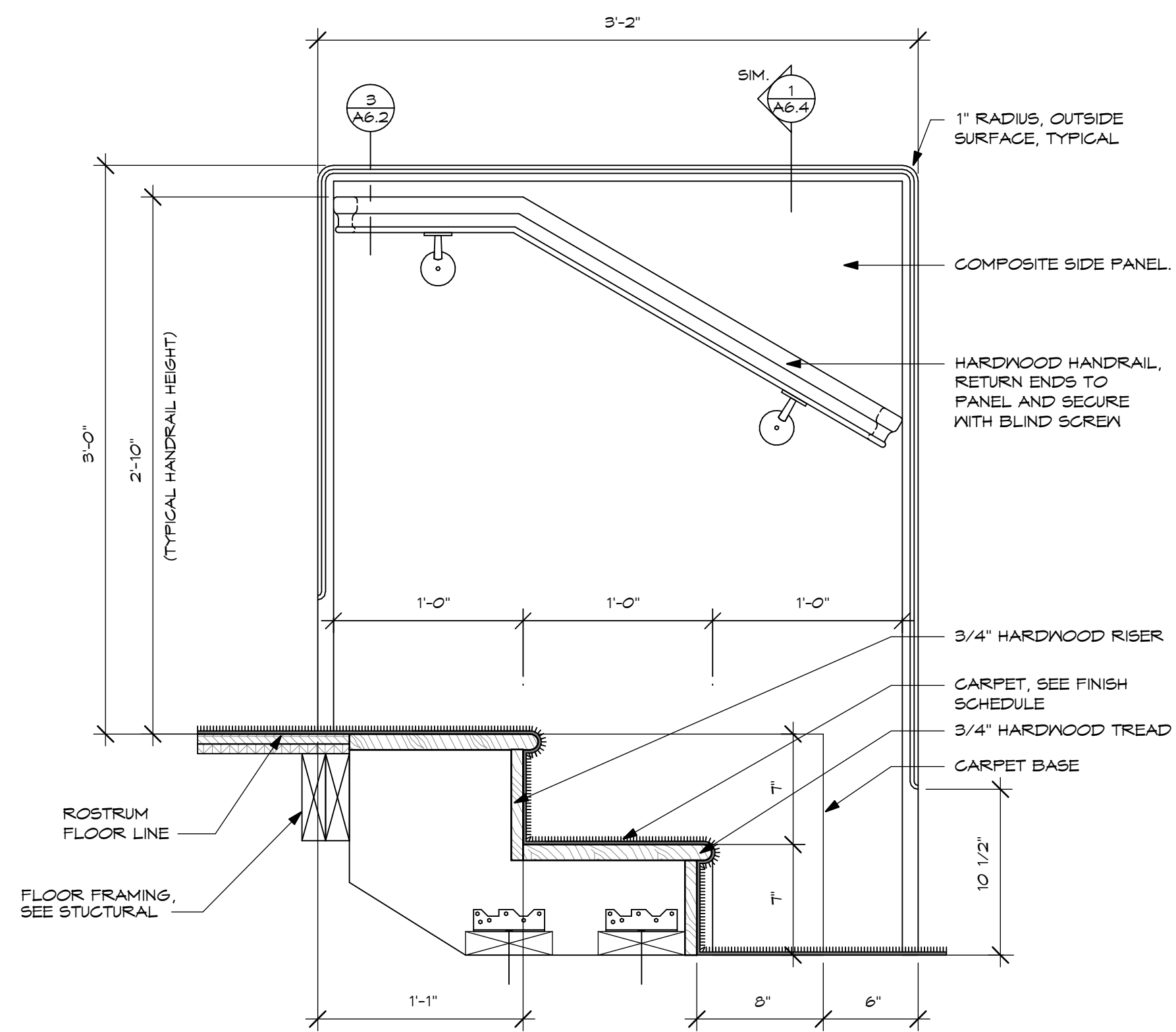
**3 PULL-OUT STEP**  
A6.4 1 1/2" = 1'-0"



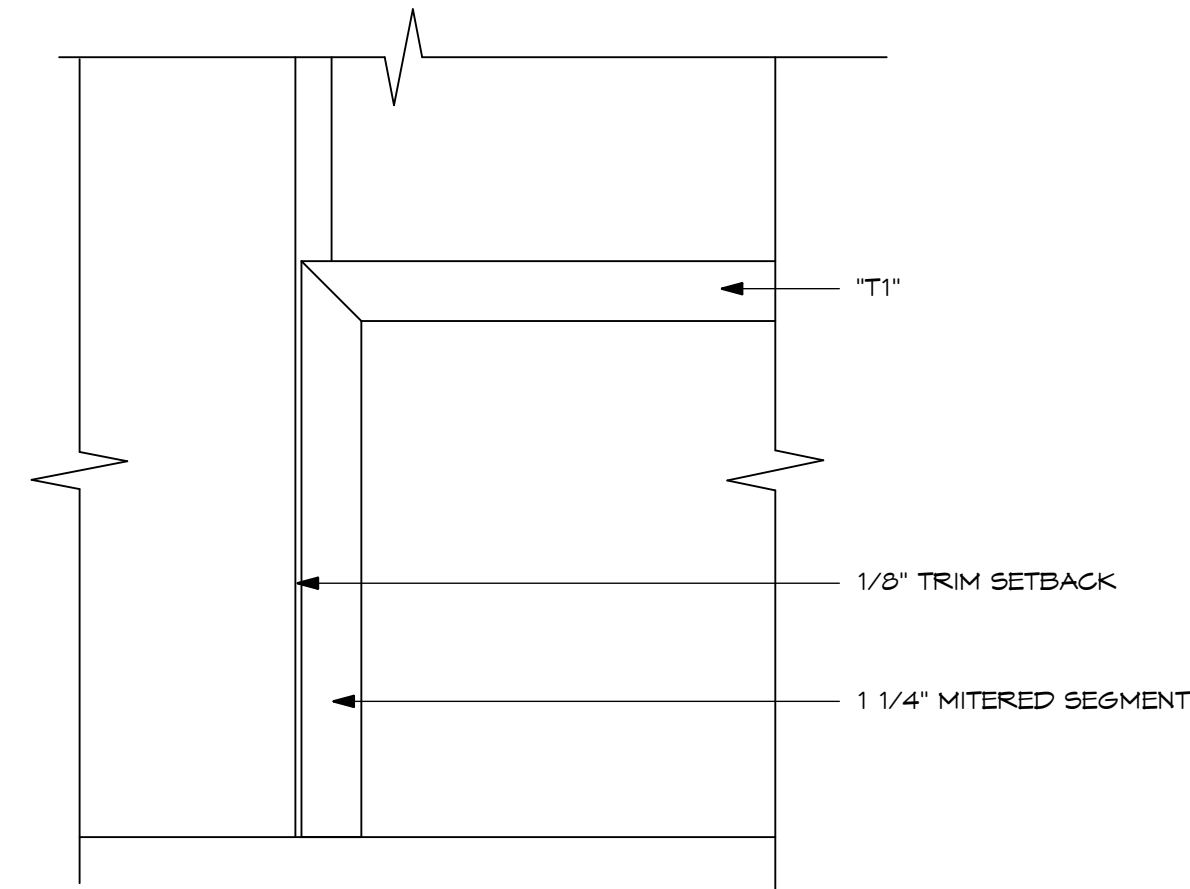
**4 PULL-OUT STEP SECTION**  
A6.4 1 1/2" = 1'-0"



**5 PULL-OUT STEP SECTION**  
A6.4 1 1/2" = 1'-0"



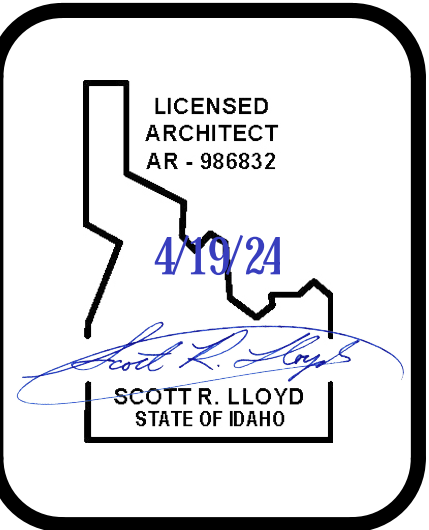
**6 ROSTRUM STEPS SIDE PANEL**  
A6.4 1 1/2" = 1'-0"



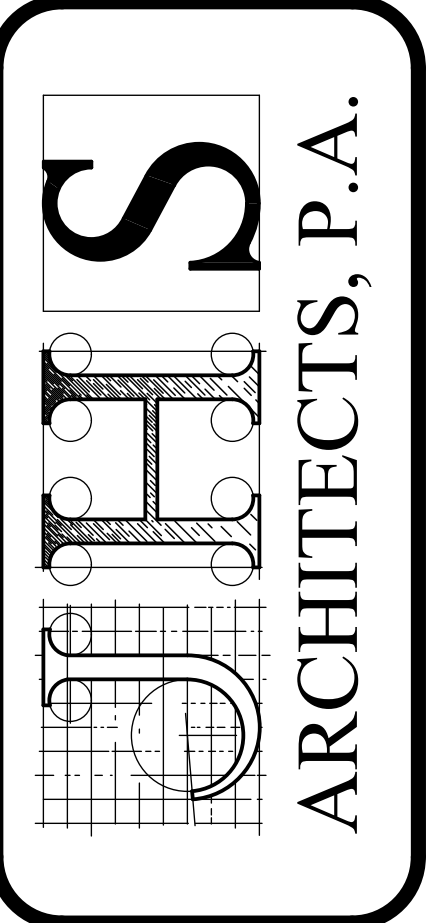
**7 PULPIT CORNER TRIM**  
A6.4 3" = 1'-0"

**GENERAL NOTES:**

- HARDWOOD TRIM DESIGNATIONS (" TH ") REFER TO 1/A6.2.
- VERIFY MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ADJUSTABLE PULPIT MECHANISM (HEIGHT OF SHELF).



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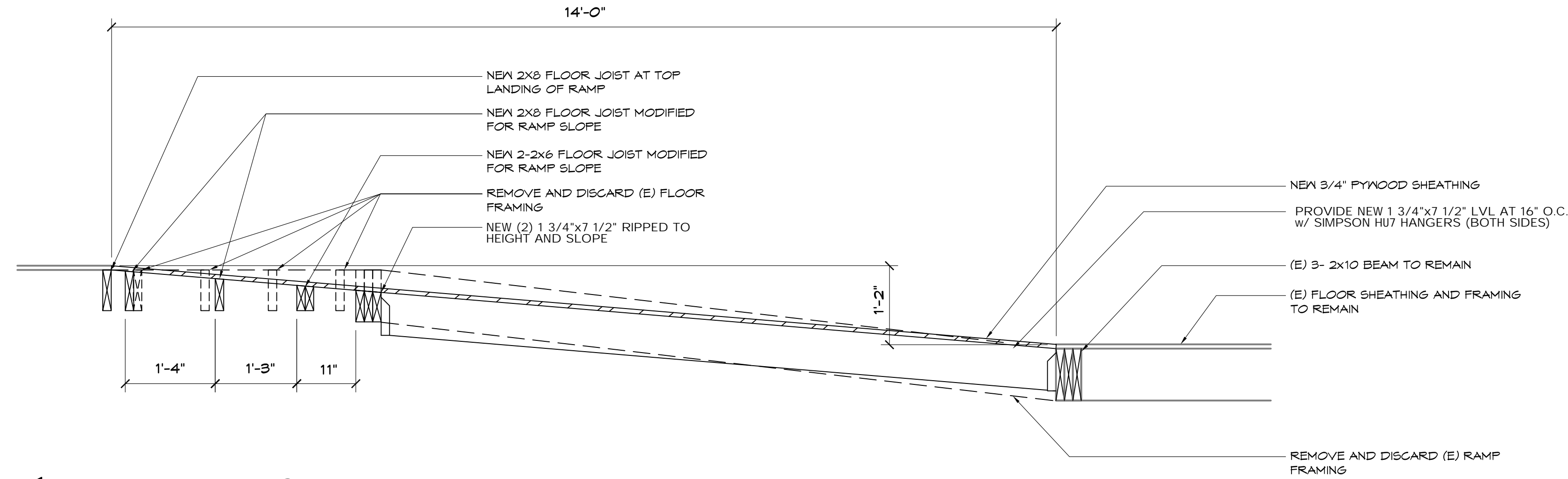
MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD CITY, IDAHO  
INTERIOR DETAILS

REVISIONS:

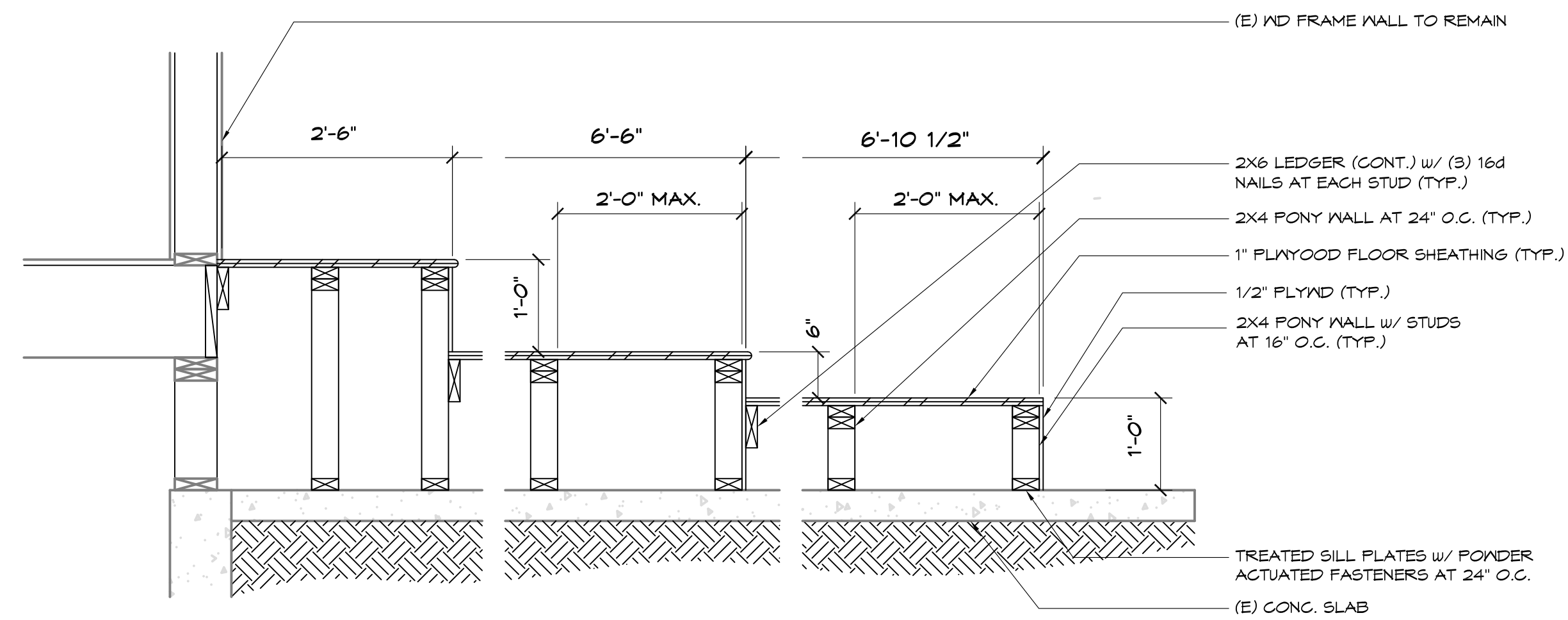
DATE: APR 24  
DRAWING NO. A6.4  
JOB NO. 2214  
23 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
UPDATE: 04-10-24  
DRAWN BY: th

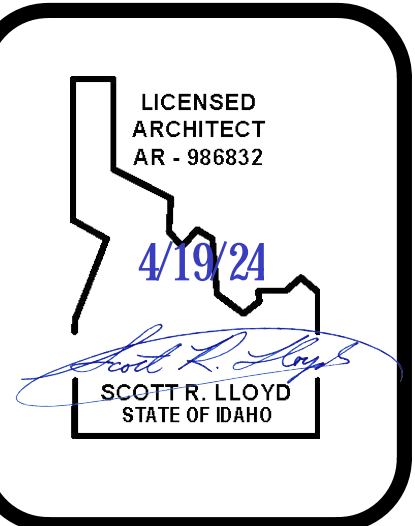




**1 RAMP FRAMING DETAIL**  
 A6.5 3/4" = 1'-0"

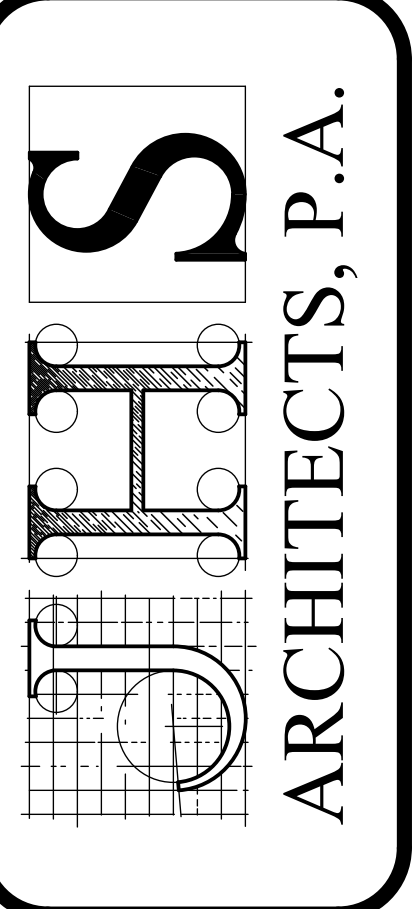


**2 ROSTRUM FRAMING DETAIL**  
 A6.5 3/4" = 1'-0"



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MALAD CHAPEL REMODEL  
 200 W. 400 N., MALAD CITY, IDAHO

FRAMING DETAILS

REVISIONS:

DATE:  
 APR 24

DRAWING NO.  
**A6.5**

JOB NO.  
 2214

23 OF 23

FILE NAME: 2214-Malad Chapel Remodel.plt  
 UPDATE: 04-10-24  
 DRAWN BY: th

# GENERAL NOTES FOR STRUCTURAL SHEETS

## BASIS OF DESIGN

1. BUILDING CODE	2018 IBC
2. RISK CATEGORY	III
3. GRAVITY DESIGN:	
DEAD LOADS:	
Roofs	20 psf
LIVE LOADS:	
Roofs	20 psf
Floors	40 psf
Partitions	15 psf
Corridors	100 psf
Snow load on ground	Pg 60 psf
Snow load on flat roof	Pf 46 psf
Exposure factor	Ce 1.0
Importance factor	Ie 1.1
Thermal factor	Ct 1.0
Slope roof factor	Cs 1.0
Snow load on sloped roof	Ps 46 psf
4. WIND DESIGN	
Basic wind speed	110 mph (3s gust, Ultimate)
Exposure	C
Internal pressure coefficient	Gcpi ±0.18
5. SEISMIC DESIGN: ASCE41-17 (BSE-2E)	
Importance factor	Ie 1.25
Mapped Spectral response accelerations	Ss & S1 0.533 & 0.167
Site class	D
Spectral response coefficients:	
Sx & Sx1	0.732 & 0.379
Seismic Design Category	D
Basic Seismic-Force-Resisting System	Bearing wall systems
	Existing Multi-whye shear walls
Design Base Shear	0.027W kips
Seismic response coefficient	Cs 0.027
Analysis procedure	Pseudo Lateral Force
6. SOILS:	
Soil bearing pressure	1500 psf
Minimum frost cover	30 inches
7. ABBREVIATIONS:	
EOR = Engineer of record. See professional stamp this page.	
UNO = Unless noted otherwise	
(E) = Existing condition	
(N) = New construction	

## GENERAL

- THE GENERAL CONTRACTOR SHALL:**
  - Be familiar with the contract documents and insure that subcontractors are familiar with their portion of the work. Submit a written request to the Arch/EOR for approval before proceeding with any changes.
  - Verify site conditions and dimensions at the site. If they differ from the contract documents, notify the Arch/EOR prior to fabrication/construction of affected elements. Existing condition information on the drawings is based on best knowledge acquired during the design phase and may differ from actual conditions. Affected details may require redesign.
  - Report to the Arch/EOR modifications made to the structure.
  - Be responsible for safety and protection on and around the job site and adjacent properties.
- THE GENERAL CONTRACTOR SHALL COORDINATE:**
  - And verify locations, weights and sizes of mechanical units, equipment, etc. prior to the fabrication and erecting of structural supporting elements. Report sizes and locations that differ from those shown on the drawings to the Arch/EOR for review. Additional framing may be required.
  - Roof, floor, and wall openings required for mechanical, etc. which are not shown on the structural drawings with the Arch/EOR.
  - Any structural situation not covered by the drawings with the Arch/EOR.
  - Doors, windows, walls, elevations, slopes, stairs, curbs, drains, recesses, depressions, railings, waterproofing, finishes, chamfers, kerfs, pads, landscape walls, trenches in slabs, etc. with the structural work.
  - Inspections, testing, and structural observations as work proceeds. Notify the EOR 48 hours prior to any required structural observations.
- CONTRACT DOCUMENTS & DRAWINGS:**
  - These structural notes complement the specifications and the drawings.
  - Specific details, sections and notes shown on the drawings govern over these general notes and typical details.
  - Contract documents take precedence over shop drawings, UNO.
  - Apply typical or similar details, sections and notes to similar situations on the drawings where specific details are not referenced.
  - Drawings and details have been prepared to visually represent information provided in scaled form. However, DO NOT scale plans or details for dimensional information.
  - Refer to architectural drawings for dimensions.
- BUILDING CODE COMPLIANCE:** Construction, inspection, materials, testing, and workmanship shall conform to the requirements of the governing building code.
- CONSTRUCTION SEQUENCE, SHORING, AND BRACING REQUIREMENTS:** The general contractor is responsible for the method, means, and sequence of structural erection, UNO. He shall provide adequate temporary shoring or bracing for all structural elements until the entire structural system is completed. Design of shoring and bracing is by others at no additional cost to the owner.
- OMISSIONS, CONFLICTS & DISCREPANCIES:**
  - Bring omissions, conflicts or discrepancies between the elements of the contract documents to the attention of the Arch/EOR before proceeding with work involved.
  - In case of conflicts or discrepancies, follow the most stringent requirements as directed by the Arch/EOR.
- MISCELLANEOUS:**
  - During and after construction, builder and/or owner shall keep loads on the structure within the limits of this design. See Basis of Design.
  - Site observations by WCA's field representative shall neither be construed as inspection nor approval of construction.
- SUBMITTALS:**
  - Make submittals in a timely manner. WCA's review is for general compliance only and is not intended as approval. Contractor is responsible for verifying sizes, dimensions and elevations on submittals as related to the contract documents.
  - Submit the following items for review prior to proceeding with the work:
    - Concrete material Certifications & mix designs.
    - Shop Drawings: Structural steel
    - Welding procedures and certifications.
  - Allow two weeks for the review of submittals by the EOR.
  - Have EOR approved shop drawings & materials on site before construction of those components begins.
  - Substitutions are not allowed unless approved by the EOR. Submit requests for structural substitutions to the Arch/EOR.

## POST-INSTALLED ANCHORS

- PRODUCT:** Adhesive Anchors
    - Adhesive for Concrete connections shall be:
      - HIT HY 200 (ESR-3187) by Hilti Corporation
      - Pure110+ (ESR-3296) by DeWalt
      - AC208+ (ESR-4027) by DeWalt
      - SET-3G (ESR-2508) by Simpson Strong Tie
      - AT-XP (AFMO UES ER-263) by Simpson Strong Tie
    - Alternative epoxies may be used if an ESR approval for use in cracked concrete is submitted to the structural engineer prior to use.
  - Adhesive for solid grouted concrete masonry & hollow block connections shall be:
    - HIT HY 270 (ESR-2682) by Hilti Corporation
    - AC100+ Gold (ESR-3200) by DeWalt
    - AT-XP (AFMO 0281) by Simpson Strong
  - Follow all of the manufacturer's recommendations and ESR for epoxy installation.
- PRODUCT:** Mechanical Anchors
  - Mechanical Anchors for Concrete connections shall be:
    - Kwik Bolt TZ (ESR-1917) by Hilti Corporation
    - Power-Stud+ SD2 (ESR-2502) by DeWalt
    - Strong-Bolt (ESR-1771) by Simpson Strong Tie Inc.
  - Alternative mechanical anchors may be used if an ESR approval for use in cracked concrete is submitted to the structural engineer prior to use.
- Mechanical Anchors for Masonry Connections shall be:
  - Kwik Bolt 3 (ESR-1385) by Hilti Corporation (grout filled masonry applications)
  - Power-Stud+ SD1 (ESR-2966) by DeWalt, (grout filled masonry applications)
  - Wedge-All (ESR-1396) by Simpson Strong Tie Inc. (grout filled masonry applications)
- Follow all of the manufacturer's recommendations and ESR for mechanical anchor installation.
- PRODUCT:** Screw Anchors
  - Screw Anchors for Concrete connections shall be:
    - Kwik HUS-eZ (ESR-3027) by Hilti Corporation
    - Screw-Bolt (ESR-3889) by DeWalt
    - Titan HD (ESR-2713) by Simpson Strong Tie Inc.
  - Alternative screw anchors may be used if an ESR approval for use in cracked concrete is submitted to the structural engineer prior to use.
- Screw Anchors for grout filled Masonry connections shall be:
  - Kwik HUS-eZ (ESR-3056) by Hilti Corporation
  - Screw-Bolt (ESR-4027) by DeWalt
  - Titan HD (ESR-1056) by Simpson Strong Tie Inc.
- Follow all of the manufacturer's recommendations and ESR for screw anchor installation.
- Installation requirements for Adhesive anchors:**
  - Adhesive anchors installed in horizontal to vertically overhead orientation to support sustained tension loads shall be done by a certified adhesive anchor installer (aai) as certified through aci/csi (ACI 318 17.1.2), proof of current certification shall be submitted to the engineer for approval prior to commencement of installation.
  - Adhesive anchors must be installed in concrete aged a minimum of 21 days (ACI 318 17.1.2), for installtions sooner than 21 days consult adhesive manufacturer.
  - If temperature of base material at time of adhesive installation is at 45 degrees (fahrenheit) or less, an Acrylic adhesive (DeWalt AC208+, Hilti HIT-HY200, Simpson AT-XP) is required.

## STRUCTURAL STEEL

- CODES AND STANDARDS:** Comply with:
    - AISC "Specification for Structural Steel Buildings & Commentary"
    - AISC "Code of Standard Practice" excluding sections 7.5.4, and 7.11.5.
    - AWS "Structural Welding Code", exclude items conflicting with AISC.
  - MATERIALS SHALL CONFORM AS FOLLOWS:**
    - Wide Flange beams & columns: ASTM A992, Gr. Fy = 50 ksi.
    - Rect. Hollow Structural Sections (HSS): ASTM A500, Gr. C, Fy = 50 ksi.
    - Round Hollow Structural Sections (HSS): ASTM A500, Gr. C, Fy = 46 ksi.
    - Pipe: ASTM A53, Gr. B, Fy = 35 ksi.
    - Misc. shapes & plates: ASTM A36, Fy = 36 ksi.
    - High strength bolts: ASTM F3125, Gr. A325, Fu = 120 ksi.
  - Anchor rods: ASTM F1554, Gr. 36, Fy = 36 ksi, use only where noted.
  - Other bolts: ASTM A307, Gr. A, Fy = 36 ksi.
  - Welded anchors studs (WAS, HAS): ASTM A108, Fu = 65 ksi.
  - Deformed bar anchors (DBA's): ASTM A496, Fy = 70 ksi, DO NOT substitute reinforcing for DBA's.
- CONSTRUCTION:**
  - Fabricate in an approved fabricator's shop.
  - Fabricate beams with incidental camber up, UNO.
  - Use 6000 psi (minimum at 28-day) non-shrink liquid grout beneath bearing plates. Place grout per manufacturer's recommendations prior to loading member.
  - Add deformed bar anchors to structural sections embedded in concrete or masonry, UNO. Use the same size and spacing as the adjacent reinforcing bars. Minimum length of bars shall be 48 bar diameters but not less than 24 inches.
- BOLTED CONNECTIONS:**
  - Use 3/4" diameter bolts in Std. holes (bolt diameter + 1/16"), UNO.
  - Steel-to-steel connections: Use ASTM A325 type "N" connections, UNO.
  - Other connections: Use ASTM A307 bolts or better except for anchor rods, UNO.
  - Use hardened washers beneath the turned element of the bolt or nut. Use beveled hardened washers where the outer face of bolted parts has a slope greater than one in twenty with respect to the plane normal to the bolts axis. At oversized holes, use hardened washers or plates at least 5/16" thick conforming to ASTM F436.
  - Tighten bolts until all piles of the joint are in firm contact. Snug light condition, UNO.
  - Pretensioned bolts with Class A facing surfaces are required at all steel to steel connections for Moment Frames (SMF, IMF and OMF), Braced Frames (SCBR, OCBF and BRBF) and Eccentrically Braced Frames (EBF).
  - Enlarge bolt holes by reaming, DO NOT torch cut.
- WELDED CONNECTIONS:**
  - Perform welding and cutting by AWS certified welders in accordance with ANSII/AWS D1.1 (latest edition).
  - For typical shop & field welds, use filler metals with nominal 70 ksi tensile strength having:
    - Matching material for multiple pass welds.
    - A diffusible hydrogen limit of H16 or less.
    - A CVN toughness of 20 ft-lbs at 0 deg. F.
  - For shop & field weld connections of lateral load resisting elements (all braced frames and all moment frames (demand critical welds)), use filler metals with nominal 70 ksi tensile strength having:
    - Matching material for multiple pass welds.
    - A diffusible hydrogen limit of H16 or less.
    - A CVN toughness of 40 ft-lbs at 70 deg. F.
  - Use pre-qualified procedures.
  - Weld intersecting steel shapes together, which are not connected with bolts, with all-around fillet welds, UNO.
  - Weld studs and DBA's according to Manufacturer's specs.
  - Whenever possible use shop welds. The contractor shall coordinate field and shop welds between shop fabrication and the steel erector.
  - Remove slag from welds.
- Provide full depth web stiffeners at each side of all beams at all bearing points.
  - Stiffener plates shall be the thickness called out below unless noted otherwise, and shall be welded both side with fillet welds all around:

Flange width	Stiffener thickness	Weld size
Less than 8 1/4"	1/4"	3/16"
8 1/4" - 12 1/4"	3/8"	1/4"
12 1/4" - 16 1/2"	1/2"	5/16"
16 1/2" - 20 1/4"	5/8"	3/8"

## WOOD

- CODES AND STANDARDS:** Comply with:
  - The ANSI/AF&PA "National Design Specification", (NDS).
  - The grading requirements of the WWPA.
  - Preservative Treatment requirements of the AWPA.
- MATERIALS:** (All materials shall be clearly marked)
  - Structural lumber species and grade shall be as follows:
    - Joists, beams or headers: DF/L #2 or better.
    - Posts and columns: DF/L #1 or better.
    - Studs: DF/L #2 or better.
    - Sill plates: DF/L #2 or better, treated.
  - B. Structural Glues: Trus-Joist or approved equal.
  - Structural Joist-Laminated Timber: 24F-V4 for simple spans and 24F-V8 for continuous or cantilevered beams.
  - Engineered Lumber:
    - Structural Laminated-Veneer-Lumber (LVL): conform to the following minimum design values:
      - Fy = 285 psi
      - E = 1,900,000 psi
    - Structural Laminated-Strand-Lumber (LSL): conform to the following minimum design values:
      - Fy = 310 psi
      - E = 1,550,000 psi.
    - Structural Parallel-Strand-Lumber (PSL): conform to the following minimum design values:
      - Fy = 2,900 psi. (Joist/Beam orientation)
      - Fv = 290 psi.
      - E = 2,000,000 psi.
- Wood structural panels shall be Exposure 1 Grade or better APA rated sheathing with exterior glue and conform to Standard PS 2-92.
- Wood connectors shall be Simpson Strong-Tie.

## CONSTRUCTION:

- See plans for roof and floor joists sizes. Joists shall be laterally supported at bearing points by solid blocking or with metal hangers.
- Erect manufactured joists in accordance with the fabricator's commendations. Joists shall be able support the loads published in their design catalogs.
- Provide bridging at 8'-0" o.c. maximum spacing for dimensional lumber and LVL joists. Provide bridging in all other manufactured joists as per the manufacturer's recommendations.
- Fill all nail holes, round and triangular, in wood connectors (framing anchors, joist hangers, purlin anchors, etc.) with nails as specified by the manufacturer, UNO.
- Bolts and all-threads in wood connectors shall be machine rated bolts, A307 or better.
- Install washers under all bolt nuts. Make bolt holes only 1/32 to 1/16 inch larger than bolts. Tighten nuts snugly, but DO NOT crush the wood. DO NOT countersink bolts, UNO.
- Specified nails are common and shall correspond to the following diameters and lengths: (16d - 0.162"Ø & 3-1/2" long; 10d - 0.148"Ø & 3" long; 8d - 0.131"Ø & 2-1/2" long)
- Minimum nailing of members: Conform to IBC, Table 2304.9.1, UNO.
- Nail built-up beams of 2x\_ members 12" deep or less together with 16d nails at 12" o.c., staggered. Add (2) 16d common nails at supports. Bolt 2x\_ members deeper than 12" together with 1/2" bolts at 16" o.c. staggered. Add (2) bolts at supports.
- All drilled holes and cut ends of preservative-treated and fire-retardant-treated wood shall be field treated with a preservative per AWPA Standards.
- Fasteners (including nuts and washers) in preservative-treated and fire-retardant-treated wood shall conform to IBC Section 2304.10.5, UNO.

## STATEMENT OF SPECIAL INSPECTIONS

- The inspection requirements as noted on this sheet are required for the items that are specifically noted, designed and detailed in the structural documents. Refer to the current IBC, Chapter 17, the architectural drawings, and the geotechnical report for additional information and additional inspection requirements for non-structural items.
- 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 and/or EOR, 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 EOR 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 EOR 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 are being performed on the premises of a fabricators shop, special inspections required shall be provided in the shop during the fabrication process. This requirement may be exempted 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

## TESTING: The owner will provide testing by qualified testing personnel for the following types of construction:

- Welding: type, size, length, and quality of shop and all field welds by approved methods. Ultrasonically test complete penetration welds.
- Drill and epoxy anchors: load test 10% of anchors, with a minimum of (2) anchors tested

## THE CONTRACTOR SHALL:

- Coordinate testing. DO NOT proceed with subsequent work until inspections and testing has been approved.
- Copy inspection reports/testing results to the Arch/EOR and owner before work proceeds.
- Correct deficient work at no additional cost to the owner.

EMBEDMENT OF ADHESIVE ANCHORS				
BASE MATERIAL	REBAR DOWELS	THREADED ROD Ø	EMBEDMENT LENGTH	SCREEN LENGTH
CONCRETE	#3	3/8"	5"	-
	#4	1/2"	6"	-
	#5	5/8"	8"	-
	#6	3/4"	10"	-
	#7	7/8"	12"	-
	#8	3/8"	4"	-
CMU (GROUTED)	#4	1/2"	5"	-
	#5	5/8"	6"	-
	#6	3/4"	7"	-
	#8	3/8"	-	-
CMU (HOLLOW)	#4	1/2"	-	-
	#5	5/8"	-	-
	#6	3/4"	-	-
	#8	3/4"	-	-

## NOTES:

- INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- EMBEDMENT LENGTH IS INTO STRUCTURE AND NOT VENEER, UNO.
- REBAR SHALL BE DEFORMED.
- MINIMUM WALL THICKNESS TO BE EMBEDMENT LENGTH PLUS 1-1/2" OTHERWISE SEE STRUCTURAL ENGINEER.
- SEE GSN FOR EPOXY TYPES
- FOR INSTALLATION INTO GROUTED BLOCK, SEE 1/8"Ø
- GROUT ANY HOLLOW CELLS ACCORDING TO INSTRUCTIONS GIVEN

## CONCRETE

- CODES AND STANDARDS:** Comply with the following Codes:
  - ACI 301, "Specifications for Structural Concrete for Buildings"
  - ACI 318, "Building Code Requirements for Reinforced Concrete".
  - ACI 347, "Recommended Practice for Concrete Form Work".
- MATERIALS:** shall conform to the following:
  - Cement: ASTM C150, Type II Portland Cement.
  - Hard rock aggregates: ASTM C33
  - Lightweight aggregates: ASTM C630
  - Water shall be potable.
  - Air entrainment: ASTM C260
  - Fly ash: ASTM C618
  - Calcium chloride SHALL NOT be used.

## MIX DESIGNS:

- Place only one type of concrete at any given time.
- The maximum slump shall be 4" w/o plasticizer added.
- Use pea gravel and/or plasticizer in congested areas.
- Limit fly ash to 20% of the total cement.
- Concrete mixes shall conform to the following:

Location	F <sub>o</sub> at 28 days (psi)	Max W/C Ratio	Max Aggregate Size	Air Content (%)	Exposure Classes			Special Inspection & Testing
					F	S	C	
					F0	S0	C0	
Beams	4000	0.45	3/4	3 +/-1	F0	S0	C0	Yes
Beams (Freezing)	4500	0.45	3/4	3 +/-1	F1	S0	C1	Yes

\*Well-graded Aggregates required, follow ACI 302 for sand gradation.  
 \*\*LL WL Concrete shall have a min. splitting tensile strength of 450 psi, and the Max. dry weight shall be 110 pcf +/- 3lbs.

## CONSTRUCTION:

- Mechanically vibrate concrete during placement.
- Prior to placing concrete, check with trades to insure proper placement of openings, block outs, sleeves, curbs, conduits, bolts, inserts, embeds, dowels, etc. Place anchor bolts and dowels prior to casting concrete, UNO.
- Firm construction joints and bulkheads with a key way. Intentionally roughen contact surfaces (new or existing) at construction joints prior to casting adjacent pours, UNO.
- Add additional reinforcing to sides of floor and wall opening, equivalent to the bars cut by the opening with half to each side of the opening or (2) #5 bars, whichever is greater, UNO. Bars parallel to the principal reinforcing shall run full length of the span. End bars in the other direction with a standard hook. Add (2) #5 x 5'-0" diagonal bars at every corner.
- DO NOT allow penetrations through any beam, joist, column, pier, footing, or jamb without the EOR's approval. Otherwise, re-rout the penetration.

## TABLE OF SER ITEMS

(all past,present and future SER and RTER Structural Upgrade Measures are included on this table)

### STRUCTURAL UPGRADE MEASURES FOR 501-9885

#### STRUCTURAL UPGRADE MEASURES ADDRESSED IN THESE STRUCTURAL DRAWINGS:

ITEM	DESCRIPTION	COMMENT
MEASURES FROM STRUCTURAL EVALUATION REPORT (SER):		
S-1	ROOF DIAPHRAGM	ADDRESSED IN THESE DRAWINGS
S-2	ROOF TO WALL CONNECTIONS	ADDRESSED IN THESE DRAWINGS
S-3	ROOF FRAMING STRENGTHENING	ADDRESSED IN THESE DRAWINGS
S-4	FLOOR TO WALL CONNECTIONS	ADDRESSED IN THESE DRAWINGS
S-5	SHEAR WALL DRAG STRUTS	ADDRESSED IN THESE DRAWINGS
S-8	CHIMNEY DEMOLITION	ADDRESSED IN THESE DRAWINGS
S-12	ROOF BLOCKING	ADDRESSED IN THESE DRAWINGS

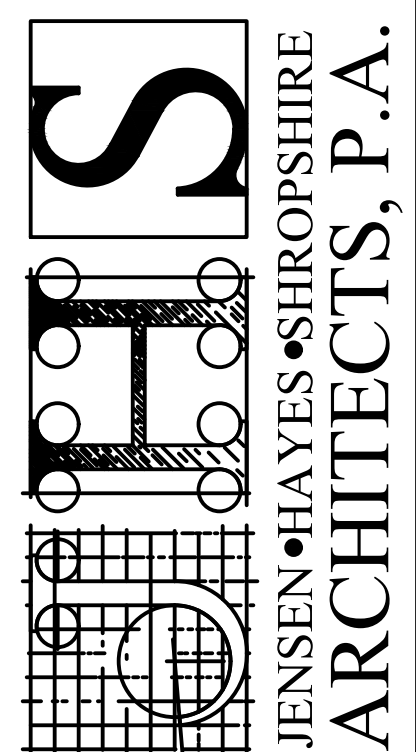
#### STRUCTURAL UPGRADE MEASURES NOT ADDRESSED PREVIOUSLY OR IN THESE STRUCTURAL DRAWINGS:

ITEM	DESCRIPTION	COMMENT
MEASURES FROM STRUCTURAL EVALUATION REPORT (SER):		
S-6	UPGRADE SHEAR WALLS	NOT ADDRESSED IN THESE DRAWINGS
S-7	WALL HEIGHT TO THICKNESS	NOT ADDRESSED IN THESE DRAWINGS
S-9	OPENING LINTELS	NOT ADDRESSED IN THESE DRAWINGS
S-10	INDEPENDENT COLUMNS	NOT ADDRESSED IN THESE DRAWINGS
S-11	OVERFLOW DOOR SUPPORT	NOT ADDRESSED IN THESE DRAWINGS



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 200 W. 400 N., MALAD IDAHO

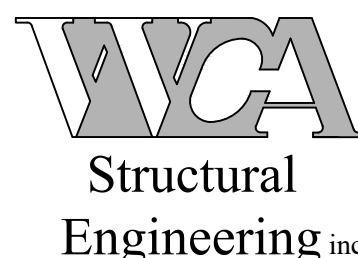
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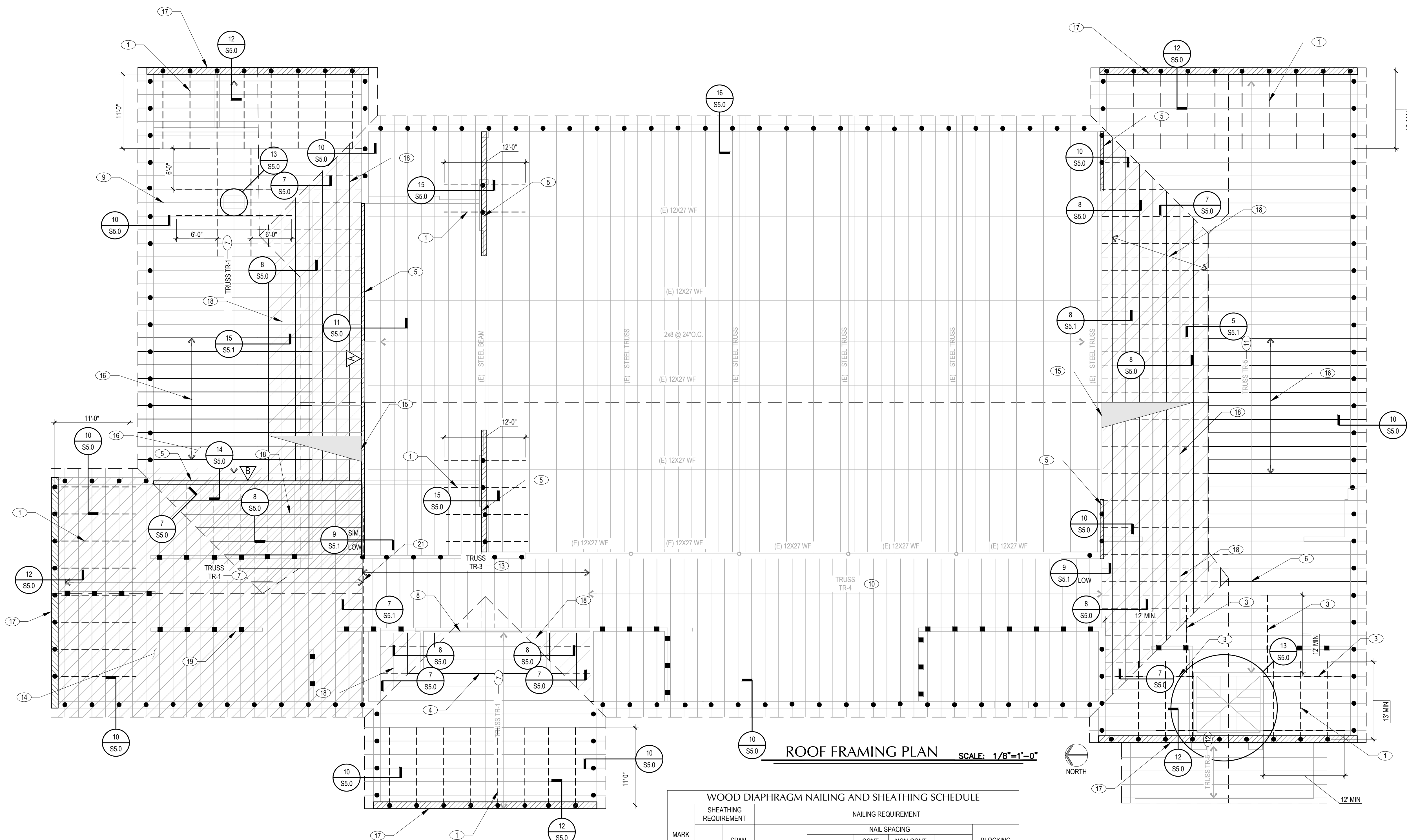


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FILE NAME: 2214-Malad Chapel Remodel.pia  
 UPDATE: 10/26/22  
 DRAWN BY: IH





ROOF FRAMING PLAN SCALE: 1/8"=1'-0"

KEYNOTES:

1. SIMPSON CMST16 COIL STRAP. PROVIDE A MIN. OF 20" LAP LENGTH WITH (25) 10d NAILS
2. INDICATES OUT-OF-PLANE ROOF TO WALL CONNECTION. SEE SPECIFIC DETAILS/CALLOUTS, INTENDED FOR CONNECTION TO BE INSTALLED ON EACH WALL ON THE SAME TRUSS
3. SIMPSON CMST16 COIL STRAPS ARE TO BE NAILED EVERY HOLE FOR LAP LENGTH AND EVERY OTHER HOLE AFTERWARDS UNO. PROVIDE A MINIMUM OF (1) 3" WOOD SCREW AT 36" O.C. INTO STRAP. PROVIDE 4x6 BLOCKING BELOW STRAP
4. REMOVE EXISTING 1x SPLY AND REPLACE W/ MATCHING 2x MEMBER. EXTEND A MINIMUM OF 2'-0" BEYOND CUT TOP CHORD. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE AND NAIL W/ 10d NAILS @ 3" O.C.
5. FUTURE UPGRADED OR NEW SHEAR WALL BELOW.
6. REPLACE CUT WEB W/ (N) MEMBER. SEE DETAIL 1/SS.5 FOR REQ'D MEMBER SIZE.
7. UPGRADE TRUSS TR-1 PER DETAIL 1/SS.2
8. UPGRADE TRUSS TR-1A PER DETAIL 1/SS.7
9. UPGRADE TRUSS TR-2 PER DETAIL 1/SS.3
10. UPGRADE TRUSS TR-4 PER DETAIL 1/SS.4
11. UPGRADE TRUSS TR-5 PER DETAIL 1/SS.5
12. UPGRADE TRUSS TR-6 PER DETAIL 1/SS.6
13. UPGRADE TRUSS TR-3 PER DETAIL 2/SS.3
14. 2x2 FURRING STRIPS. REPAIR PER DETAIL 10/SS.1. SECTIONS OF SHEETROCK MAY NEED TO BE REMOVED FROM INSIDE THE ATTIC TO INSTALL CLIPS.
15. SNOW DRIFT AREAS
16. SISTER TOP CHORDS OF TRUSSES W/ 2 X 8. PROVIDE GLUE AND NAILING PER DETAIL 1/SS.1 ONLY REQ'D WHERE SNOW DRIFTING OCCURS.
17. 8"x8" CONCRETE BOND BEAM WITH (4) #5 BARS. REMOVE (2) LAYERS OF WYTHE BRICK AND POUR NEW BOND BEAM. SEE GSN FOR MIX DESIGN.
18. (N) 2x4 PONY WALLS IN OVERBUILD. SEE DETAIL 8/SS.0
19. INDICATES INTERIOR WOOD WALL CONNECTION. SEE DETAIL 3/SS.1.
20. VERIFY 2x FURRING STRIPS ARE NOT PRESENT ABOVE THE CHAPEL OR CULTURAL HALL. IF 2x FURRING IS PRESENT, SEE DETAIL 10/SS.1
21. EXTEND SIMPSON CMST16 COIL STRAP FROM DRAG A MINIMUM OF 3' ONTO SHEAR WALL BELOW. SEE DETAIL 7/SS.1

GENERAL PLAN NOTES:

- A. CONTRACTOR SHALL PLAN ON REMOVING AT A MINIMUM 36" STRIP OF EXISTING SHEATHING ABOVE AND AROUND OF PLANE WALL CONNECTIONS, STRAPS, ETC.. REPLACE WITH NEW SHEATHING TO MATCH EXISTING. SEE DETAIL 6/SS.0.

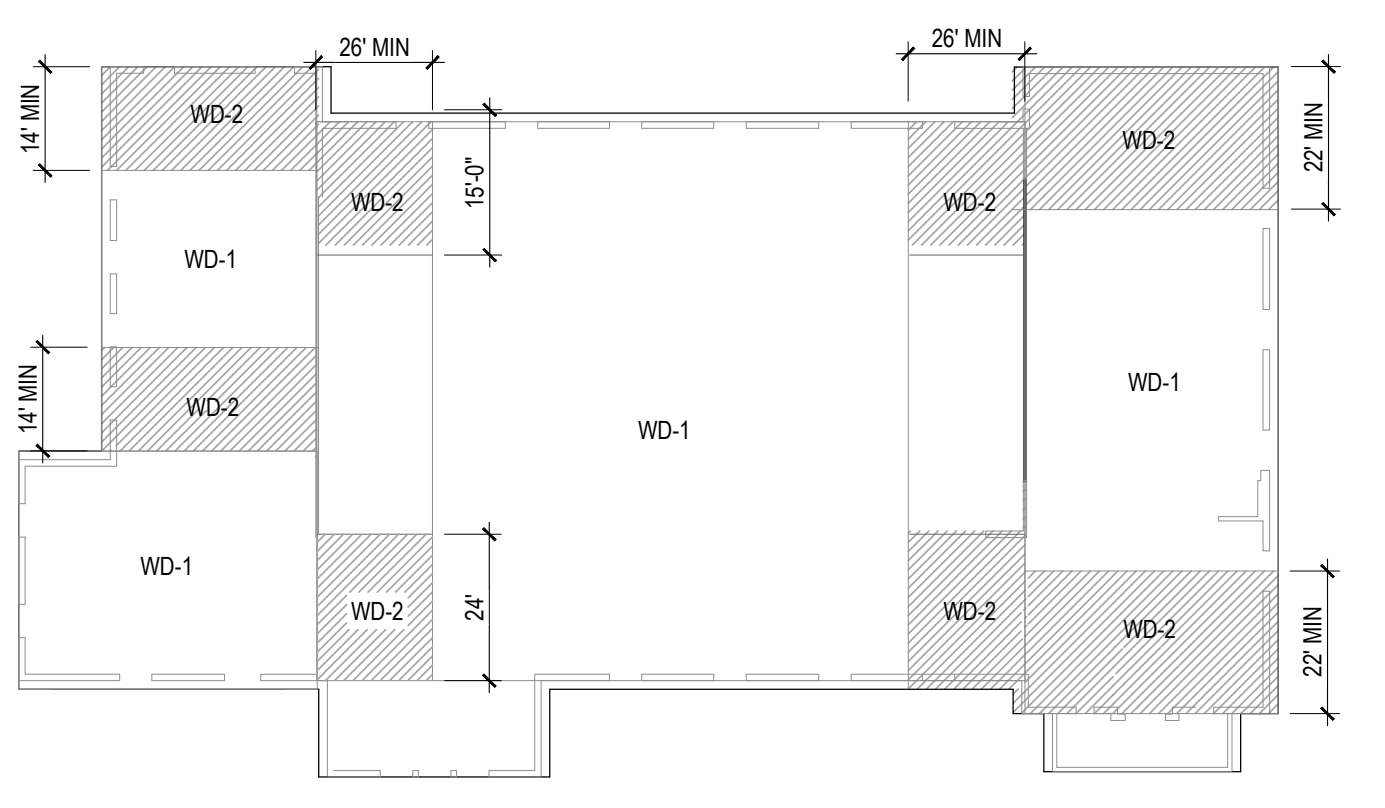


DIAGRAM KEY PLAN

KEYPLAN NOTES:

- A. SEE WOOD DIAPHRAGM NAILING AND SHEATHING SCHEDULE

MARK	WOOD DIAPHRAGM NAILING AND SHEATHING SCHEDULE								
	SHEATHING REQUIREMENT			NAILING REQUIREMENT					BLOCKING REQ'D
	THICK	SPAN RATING	NAIL SIZE	BOUNDARY ELEMENTS	CONT. PANEL JOINTS	NON-CONT. PANEL JOINTS	FIELD		
WD-1	(E) 1X W/ (E) 15/32" OVER LAY (E) 1X W/ (E) 15/32" OVER LAY	32/16	0.148"Øx3"	6" O.C.	6"	6" O.C.	12" O.C.	NO	
WD-2	(E) 1X W/ (E) 15/32" OVER LAY (E) 1X W/ (E) 15/32" OVER LAY	32/16	0.148"Øx3"	4" O.C.	6"	6" O.C.	12" O.C.	YES	
WD-3	(E) 1X W/ (E) 15/32" OVER LAY (E) 1X W/ (E) 15/32" OVER LAY	40/20	0.148"Øx3"	6" O.C.	6"	6" O.C.	12" O.C.	NO	
WD-4	(E) 1X W/ (E) 15/32" OVER LAY (E) 1X W/ (E) 15/32" OVER LAY	40/20	0.148"Øx3"	4" O.C.	6"	6" O.C.	12" O.C.	YES	

1. BOUNDARIES EXIST AT ALL DIAPHRAGM-SHEAR WALL, INTERFACES AND ALONG ALL STRUCTURAL ELEMENTS THAT TRANSFER DIAPHRAGM FORCES INTO THOSE WALLS.

2. THIS JOINT DETERMINES IF THE DIAPHRAGM IS BLOCKED OR UNBLOCKED.

3. SHEATHING ORIENTATION: LONG DIRECTION (STRONG AXIS) PERPENDICULAR TO FRAMING & SHORT DIRECTION (WEAK AXIS) PARALLEL TO FRAMING.

4. USING NAILS OTHER THAN THOSE SPECIFIED MAY RESULT IN THE DEMOLITION OF WORK AND FRAMING TO BE REPLACED.

NAILING AT BOUNDARIES, SEE NOTE 1.

4x8" PANELS (TYP.)

NAILING AT CONTINUOUS PANEL JOINTS, SEE NOTE 2. BLOCKING CUT AND FITTED BETWEEN JOIST AT ALL CONTINUOUS PANEL EDGES

NAILING AT NON-CONTINUOUS PANEL JOINTS

NAILING AT BOUNDARIES, SEE NOTE 1.

NAILING IN "FIELD"

ROOF JOISTS OR TRUSSES

BLOCKING, IF REQ'D SEE TABLE ABOVE

MARK	PLYWOOD SHEAR WALL SCHEDULE					
	SHEATHING A.P.A. RATED	NAIL SIZE	NAIL SPACING		SILL PLATE BOLTS AT FOUNDATION	FRAMING AT ABUTTING PANEL JOINTS
			PANEL EDGES	INTERMEDIATE SUPPORTS		
1	19/32 (1) SIDE	0.148"Øx3"	3" O.C.	12" O.C.	NAILS	2x
2	19/32 (1) SIDE	0.148"Øx3"	4" O.C.	12" O.C.	NAILS	2x

1. USE EXPOSURE 1 APA RATED SHEATHING WITH A MINIMUM SPAN INDEX OF 24/16.

2. ALL SHEATHING PANEL EDGES SHALL BE BLOCKED WITH A SINGLE COMMON BACK-UP MEMBER, TYPICAL.

3. WHEN BOTH FACES OF THE WALL ARE SHEATHED, STAGGER ALL JOINTS IN PLYWOOD, BOTH VERTICAL AND HORIZONTAL, ON ONE FACE OF THE WALL WITH THE JOINTS ON THE OTHER FACE OF THE WALL, TYPICAL.

4. ALL NAILS SHALL BE DRIVEN FLUSH WITH SURFACE OF SHEATHING. DO NOT UNDER OR OVER DRIVE NAILS.

5. USE COMMON NAILS AT SPACING SHOWN. CONTACT THE E.O.R. IF STAPLES ARE TO BE SUBSTITUTED.

6. IF STAPLES ARE USED INSTEAD OF NAILS, ALL SHEATHING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO STUDS.

7. HORIZONTAL SPLICES IN SHEATHING SHALL NOT OCCUR AT HORIZONTAL JOINTS IN FRAMING. DO NOT PLACE JOINTS AT TOP EDGE OF TOP PLATE OR AT BOTTOM EDGE OF AN UPPER WALL SILL PLATE.

8. ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WASHERS WITH A MINIMUM 0.229"x3"x3" IN SIZE. THE PLATE WASHER SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE SILL PLATE ON THE SIDE(S) WITH SHEATHING. IF A SLOTTED WASHER IS USED PROVIDE A STANDARD CUT WASHER PLACED BETWEEN THE NUT AND SLOTTED WASHER.

9. ANCHOR BOLTS IN SILL PLATES SHALL BE PLACED SO AS NOT TO COINCIDE WITH THE LOCATION OF THE STUDS ABOVE.

10. ANCHOR BOLTS SHALL HAVE A MINIMUM EMBEDMENT OF 7" INTO THE CONCRETE, UNO.

11. USING NAILS OTHER THAN THOSE SPECIFIED MAY RESULT IN THE DEMOLITION OF WORK AND FRAMING TO BE REPLACED.

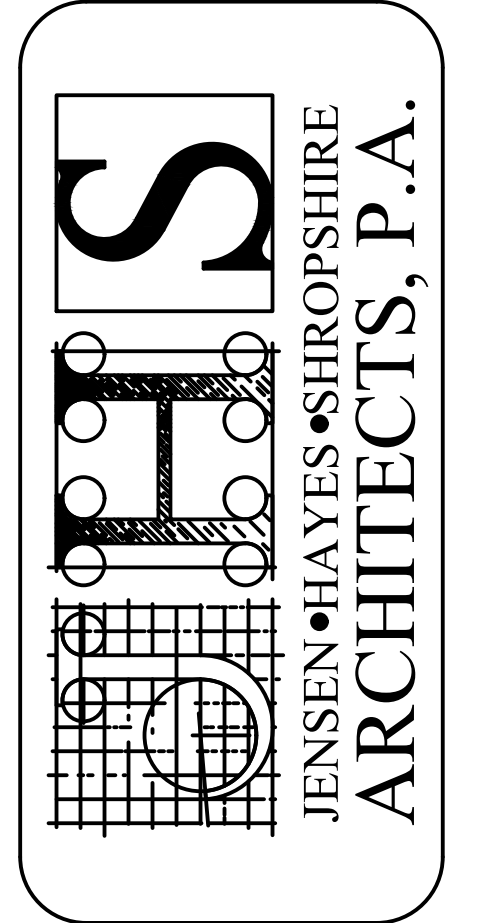
ADHESIVE NOTE:

- ALL REFERENCES TO CONSTRUCTION ADHESIVE REFER TO THE FOLLOWING
1. 3MS200 MARINE ADHESIVE MANUFACTURED BY 3M
- NOTE: WHERE DETAILS INDICATE A 3/8" DIAMETER BEAD OF CONSTRUCTION ADHESIVE, THE 3/8" IS BEFORE THE TWO MEMBERS ARE PRESSED TOGETHER. AFTER THE MEMBERS BEING CONNECTED ARE PRESSED TOGETHER, THE WIDTH OF THE GLUE SHOULD BE NO LESS THEN 1" WIDE. GLUE SHOULD EXTEND THE FULL LENGTH OF THE SHORTEST CONNECTING MEMBER. GLUING PROCEDURES FOUND TO NOT COMPLY WITH THE INSTRUCTIONS ABOVE WILL REQUIRE CONTRACTOR TO DEMO THE DEFICIENT MEMBER AT THEIR EXPENSE, AND REPLACE USING THE PROPER GLUING PROCEDURES.

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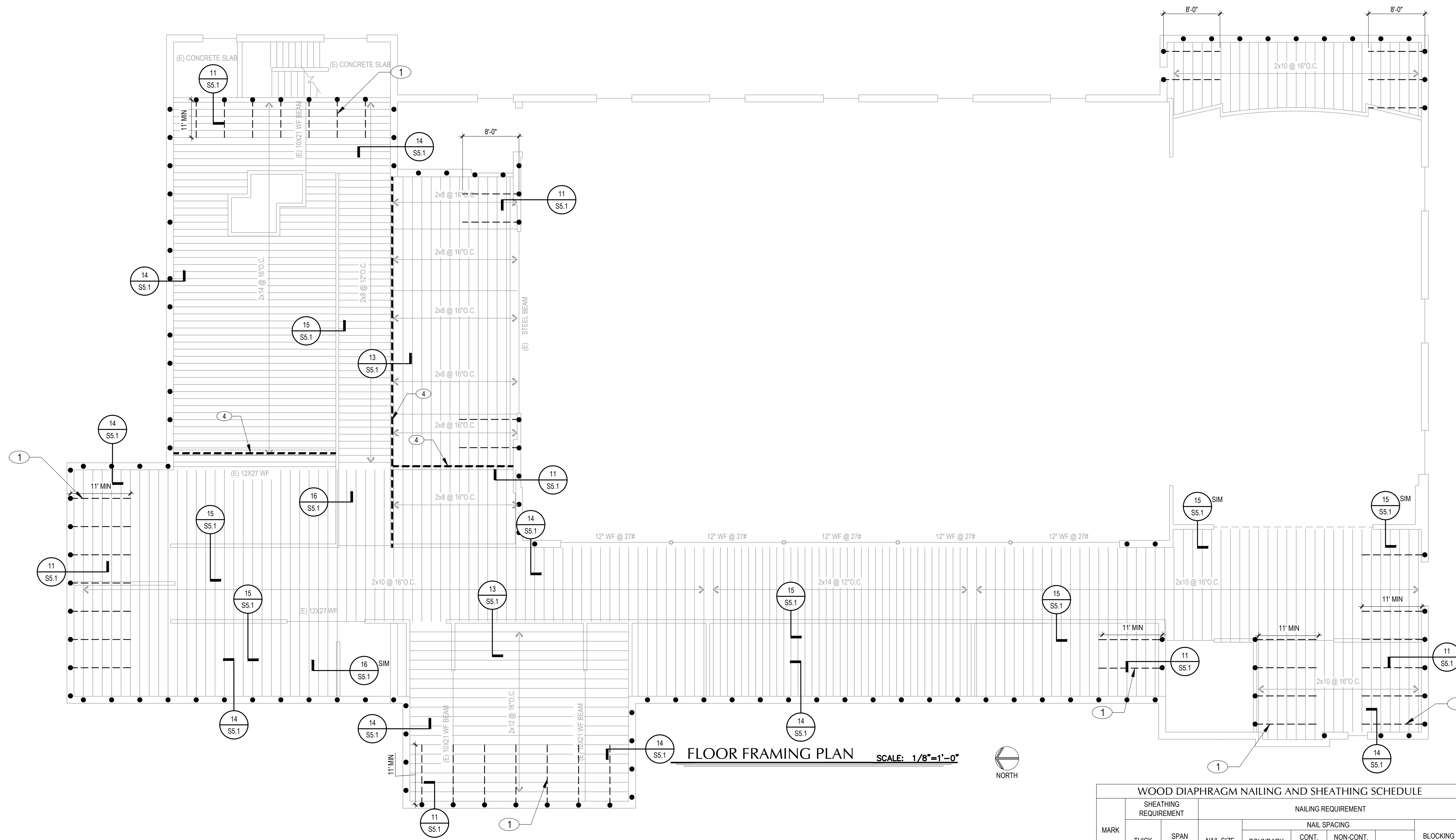


MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD IDAHO

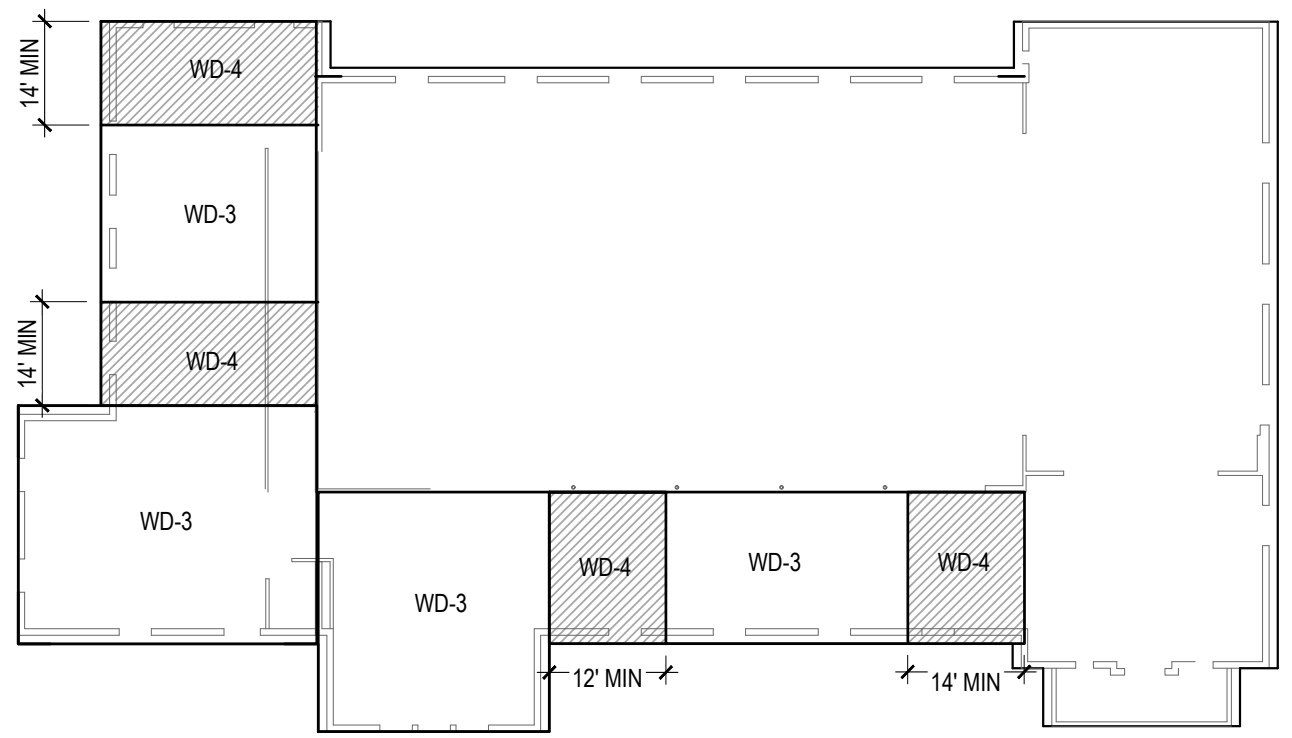
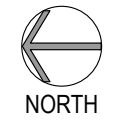
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FLOOR FRAMING PLAN SCALE: 1/8"=1'-0"



FLOOR DIAGRAM KEY PLAN

KEYPLAN NOTES:  
 A. SEE WOOD DIAPHRAGM NAILING AND SHEATHING SCHEDULE

MARK	SHEATHING REQUIREMENT		NAILING REQUIREMENT					BLOCKING REQ'D
	THICK	SPAN RATING	NAIL SIZE	NAIL SPACING			FIELD	
				BOUNDARY ELEMENTS	CONT. PANEL JOINTS	NON-CONT. PANEL JOINTS		
WD-1	(E) 1X W/ (E) 15/32" OVER LAY	32/16	0.148"Øx3"	6" O.C.	6"	6" O.C.	12" O.C.	NO
WD-2	(E) 1X W/ (E) 15/32" OVER LAY	32/16	0.148"Øx3"	4" O.C.	6"	6" O.C.	12" O.C.	YES
WD-3	(E) 19/32"	40/20	0.148"Øx3"	6" O.C.	6"	6" O.C.	12" O.C.	NO
WD-4	(E) 19/32"	40/20	0.148"Øx3"	4" O.C.	6"	6" O.C.	12" O.C.	YES

1.	BOUNDARIES EXIST AT ALL DIAPHRAGM-SHEAR WALL INTERFACES AND ALONG ALL STRUCTURAL ELEMENTS THAT TRANSFER DIAPHRAGM FORCES INTO THOSE WALLS.
2.	THIS JOINT DETERMINES IF THE DIAPHRAGM IS BLOCKED OR UNBLOCKED.
3.	SHEATHING ORIENTATION: LONG DIRECTION (STRONG AXIS) PERPENDICULAR TO FRAMING & SHORT DIRECTION (WEAK AXIS) PARALLEL TO FRAMING.
4.	USING NAILS OTHER THAN THOSE SPECIFIED MAY RESULT IN THE DEMOLITION OF WORK AND FRAMING TO BE REPLACED.

NAILING AT BOUNDARIES, SEE NOTE 1.		BLOCKING, IF REQ'D SEE TABLE ABOVE
4x 8' PANELS (TYP.)		
NAILING AT CONTINUOUS PANEL JOINTS, SEE NOTE 2. BLOCKING CUT AND FITTED BETWEEN JOIST AT ALL CONTINUOUS PANEL EDGES		
NAILING AT NON-CONTINUOUS PANEL JOINTS		
NAILING AT BOUNDARIES, SEE NOTE 1.		

KEYNOTES:

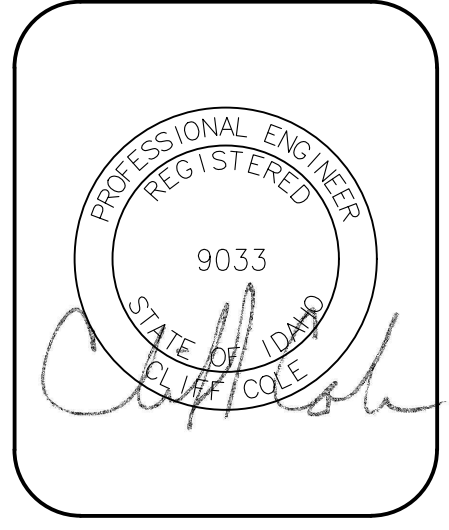
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- SIMPSON CMST16 COIL STRAPS ARE TO BE NAILED EVERY HOLE FOR LAP LENGTH AND EVERY OTHER HOLE AFTERWARDS UNO. PROVIDE A MINIMUM OF (1) 3" NAIL AT 36" O.C. INTO STRAP.
- FUTURE UPGRADED OR NEW SHEAR WALLS FROM SHEET S2.0

ADHESIVE NOTE:

ALL REFERENCES TO CONSTRUCTION ADHESIVE REFER TO THE FOLLOWING  
 1. 3MS200 MARINE ADHESIVE MANUFACTURED BY 3M

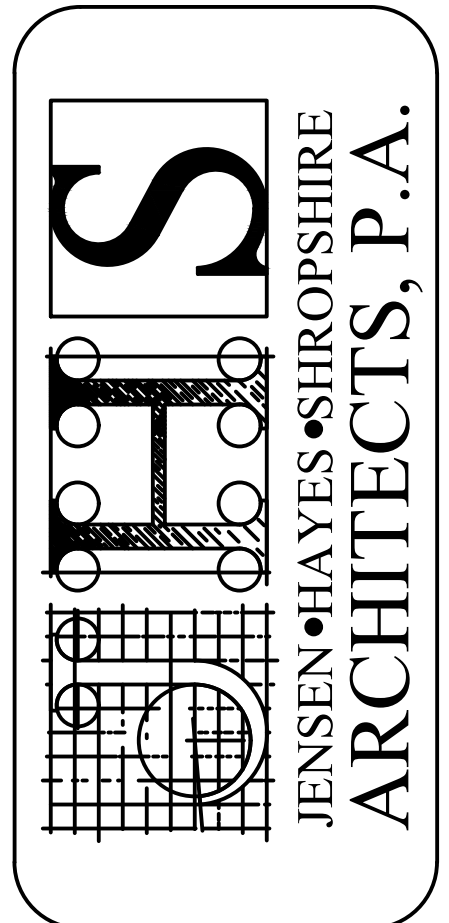
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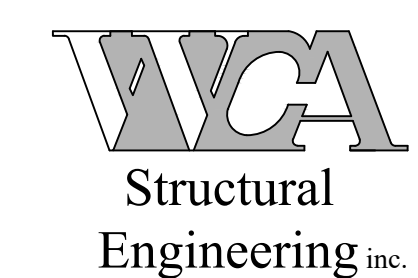


MALAD CHAPEL REMODEL  
 200 W. 400 N., MALAD IDAHO

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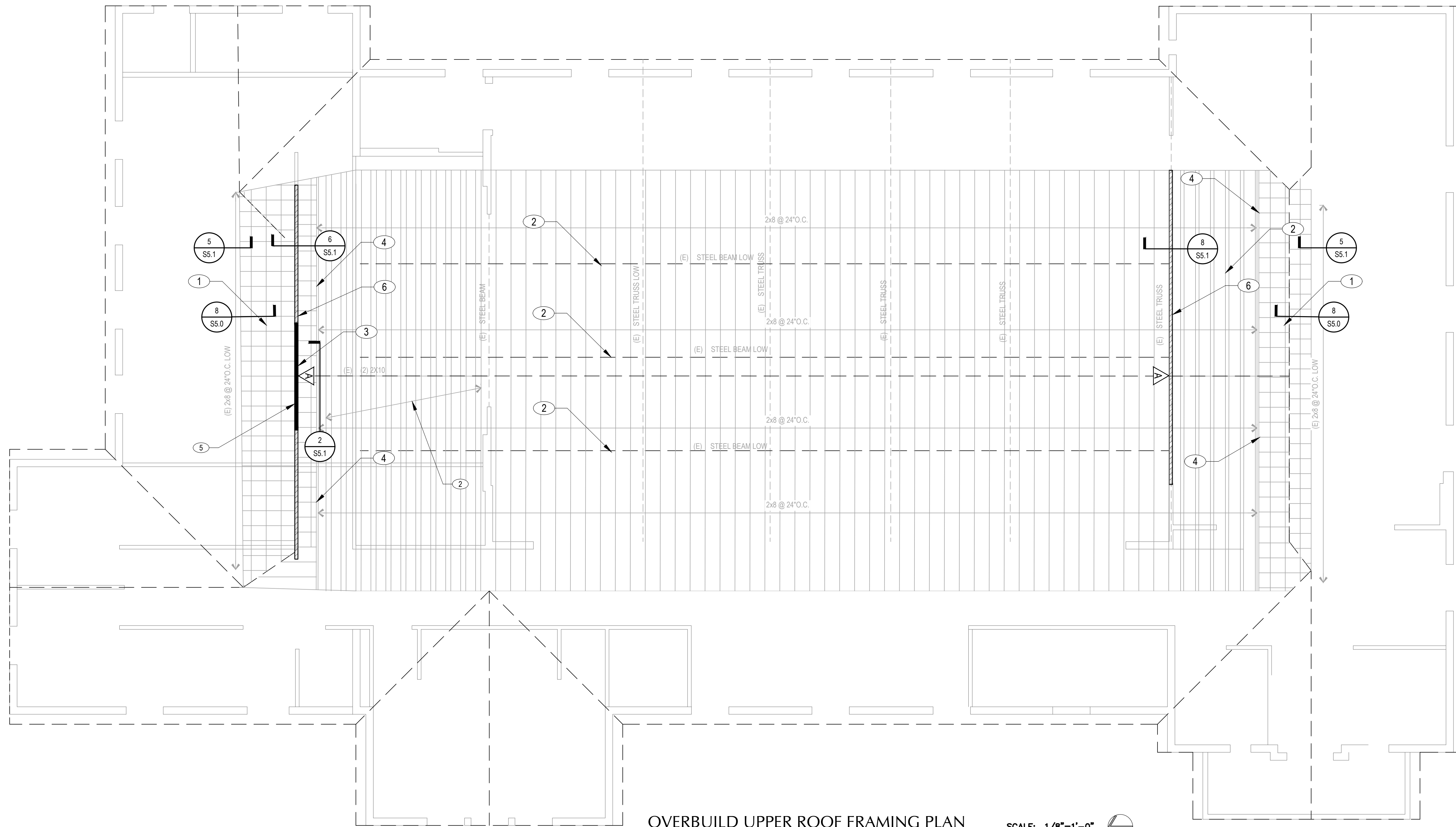
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 UPDATE: 10/26/22  
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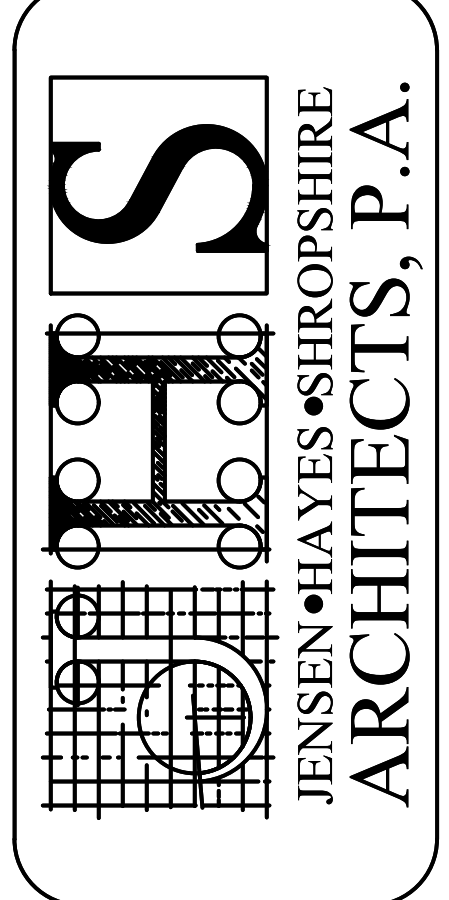


OVERBUILD UPPER ROOF FRAMING PLAN SCALE: 1/8"=1'-0" NORTH

- KEYNOTES:**
- OVERBUILD ON TOP OF (E) ROOF. PROVIDE 2X PONY WALLS PERPENDICULAR TO LOWER FRAMING. SEE DETAIL 8/S5.0
  - PROVIDE 2X RIBBON BRACING MID HEIGHT AT ALL UN-BRACED 2X PONY WALLS EXCEEDING 6' IN HEIGHT, SEE DETAIL 1/S5.1
  - PROVIDE SIMPSON STRAP AROUND VENTILATION OPENINGS IN GABLE WALL. SEE DETAIL 2/S5.1
  - PROVIDE SIMPSON LU26 HANGER ON EACH JOIST.
  - SIMPSON COIL STRAP, SEE DETAIL 2/S5.1
  - NEW SHEAR WALL. SEE SCHEDULE.



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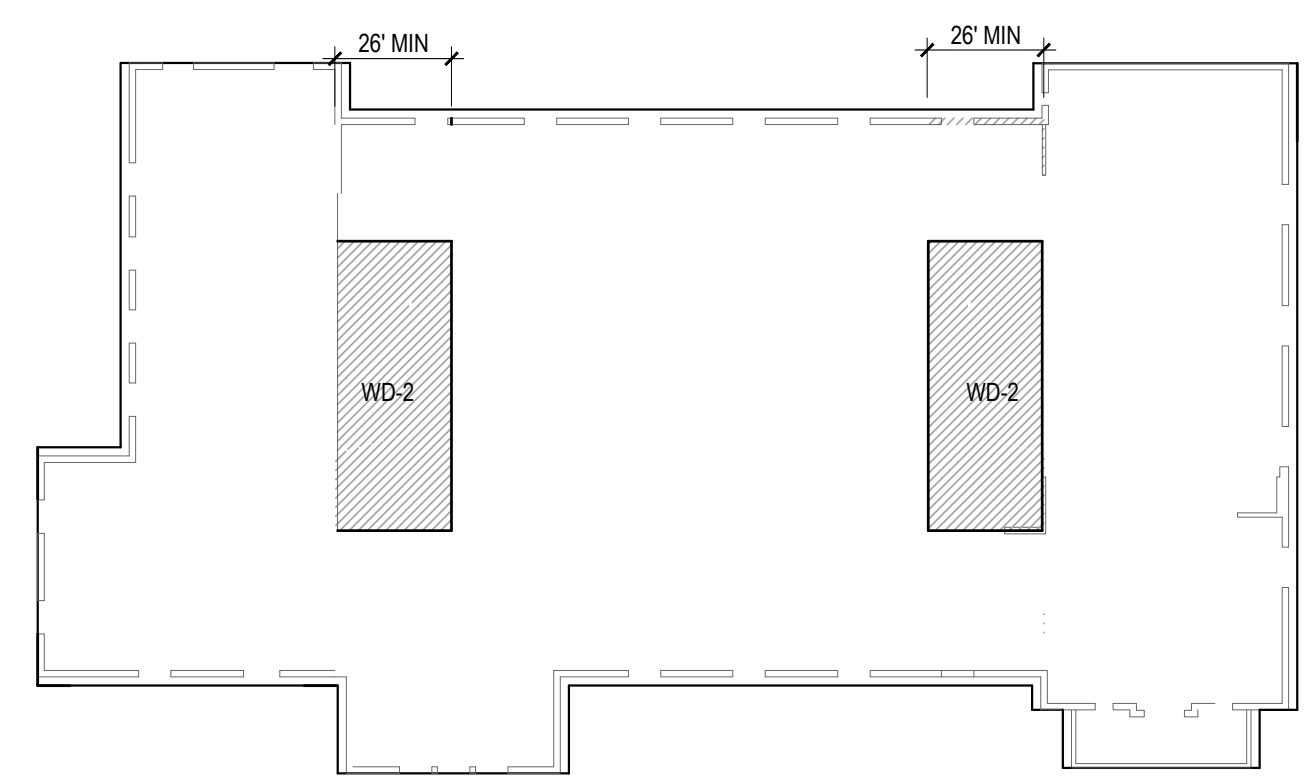


**MALAD CHAPEL REMODEL**  
 200 W. 400 N., MALAD IDAHO

**TITLE, VICINITY MAP, INDEX OF DRAWINGS, CODE REVIEW & SYMBOLS**

MARK	SHEATHING A.P.A. RATED	NAIL SIZE	NAIL SPACING		SILL PLATE BOLTS AT FOUNDATION	FRAMING AT ABUTTING PANEL JOINTS
			PANEL EDGES	INTERMEDIATE SUPPORTS		
A	19/32 (1) SIDE	0.148"Øx3"	3" O.C.	12" O.C.	NAILS	2x
B	19/32 (1) SIDE	0.148"Øx3"	4" O.C.	12" O.C.	NAILS	2x

- USE EXPOSURE 1 APA RATED SHEATHING WITH A MINIMUM SPAN INDEX OF 24/16.
- ALL SHEATHING PANEL EDGES SHALL BE BLOCKED WITH A SINGLE COMMON BACK-UP MEMBER, TYPICAL.
- WHEN BOTH FACES OF THE WALL ARE SHEATHED, STAGGER ALL JOINTS IN PLYWOOD, BOTH VERTICAL AND HORIZONTAL, ON ONE FACE OF WALL WITH THE JOINTS ON THE OTHER FACE OF THE WALL, TYPICAL.
- ALL NAILS SHALL BE DRIVEN FLUSH WITH SURFACE OF SHEATHING. DO NOT UNDER OR OVER DRIVE NAILS.
- USE COMMON NAILS AT SPACING SHOWN. CONTACT THE E.O.R. IF STAPLES ARE TO BE SUBSTITUTED.
- IF STAPLES ARE USED INSTEAD OF NAILS, ALL SHEATHING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO STUDS.
- HORIZONTAL SPLICES IN SHEATHING SHALL NOT OCCUR AT HORIZONTAL JOINTS IN FRAMING. DO NOT PLACE JOINTS AT TOP EDGE OF TOP PLATE OR AT BOTTOM EDGE OF AN UPPER WALL SILL PLATE.
- ANCHOR BOLTS SHALL INCLUDE STEEL PLATE WASHERS WITH A MINIMUM 0.229"x3"x3" IN SIZE. THE PLATE WASHER SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE SILL PLATE ON THE SIDE(S) WITH SHEATHING. IF A SLOTTED WASHER IS USED PROVIDE A STANDARD CUT WASHER PLACED BETWEEN THE NUT AND SLOTTED WASHER.
- ANCHOR BOLTS IN SILL PLATES SHALL BE PLACED SO AS NOT TO COINCIDE WITH THE LOCATION OF THE STUDS ABOVE.
- ANCHOR BOLTS SHALL HAVE A MINIMUM EMBEDMENT OF 7" INTO THE CONCRETE, UNO.
- USING NAILS OTHER THAN THOSE SPECIFIED MAY RESULT IN THE DEMOLITION OF WORK AND FRAMING TO BE REPLACED.



UPPER ROOF DIAPHRAGM SCHEATHING KEYPLAN

MARK	SHEATHING REQUIREMENT		NAILING REQUIREMENT					
	THICK	SPAN RATING	NAIL SIZE	NAIL SPACING			BLOCKING REQ'D	
				BOUNDARY ELEMENTS	CONT. PANEL JOINTS	NON-CONT. PANEL JOINTS		FIELD
WD-1	(E) 1X W/ (E) 15/32" OVER LAY	32/16	0.148"Øx3"	6" O.C.	6"	6" O.C.	12" O.C.	NO
WD-2	(E) 1X W/ (E) 15/32" OVER LAY	32/16	0.148"Øx3"	4" O.C.	6"	6" O.C.	12" O.C.	YES
WD-3	(E) 19/32" OVER LAY	40/20	0.148"Øx3"	6" O.C.	6"	6" O.C.	12" O.C.	NO
WD-4	(E) 19/32" OVER LAY	40/20	0.148"Øx3"	4" O.C.	6"	6" O.C.	12" O.C.	YES

- BOUNDARIES EXIST AT ALL DIAPHRAGM-SHEAR WALL INTERFACES AND ALONG ALL STRUCTURAL ELEMENTS THAT TRANSFER DIAPHRAGM FORCES INTO THOSE WALLS.
- THIS JOINT DETERMINES IF THE DIAPHRAGM IS BLOCKED OR UNBLOCKED.
- SHEATHING ORIENTATION: LONG DIRECTION (STRONG AXIS) PERPENDICULAR TO FRAMING & SHORT DIRECTION (WEAK AXIS) PARALLEL TO FRAMING.
- USING NAILS OTHER THAN THOSE SPECIFIED MAY RESULT IN THE DEMOLITION OF WORK AND FRAMING TO BE REPLACED.

NAILING AT BOUNDARIES, SEE NOTE 1.

4x 8' PANELS (TYP.)

NAILING AT CONTINUOUS PANEL JOINTS, SEE NOTE 2. BLOCKING CUT AND FITTED BETWEEN JOIST AT ALL CONTINUOUS PANEL EDGES

NAILING AT NON-CONTINUOUS PANEL JOINTS

NAILING AT BOUNDARIES, SEE NOTE 1.

NAILING IN "FIELD"

ROOF JOISTS OR TRUSSES

BLOCKING, IF REQ'D SEE TABLE ABOVE

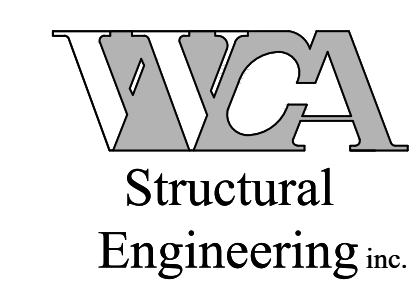
**ADHESIVE NOTE:**

ALL REFERENCES TO CONSTRUCTION ADHESIVE REFER TO THE FOLLOWING

- 3M5200 MARINE ADHESIVE MANUFACTURED BY 3M

**NOTE:**

WHERE DETAILS INDICATE A 3/8" DIAMETER BEAD OF CONSTRUCTION ADHESIVE THE 3/8" IS BEFORE THE TWO MEMBERS ARE PRESSED TOGETHER. AFTER THE MEMBERS BEING CONNECTED ARE PRESSED TOGETHER, THE WIDTH OF THE GLUE SHOULD BE NO LESS THEN 1" WIDE. GLUE SHOULD EXTEND THE FULL LENGTH OF THE SHORTEST CONNECTING MEMBER. GLUING PROCEDURES FOUND TO NOT COMPLY WITH THE INSTRUCTIONS ABOVE WILL REQUIRE CONTRACTOR TO DEMO THE DEFICIENT MEMBER AT THEIR EXPENSE, AND REPLACE USING THE PROPER GLUING PROCEDURES.



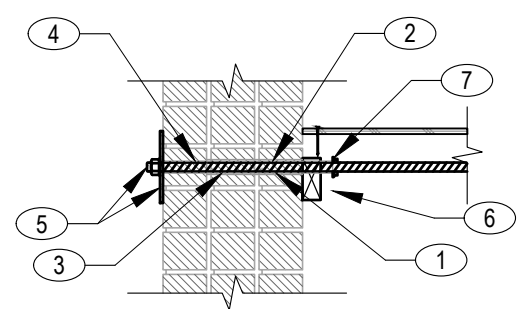
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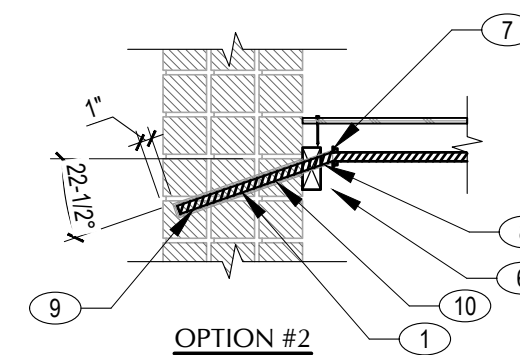
DATE: OCT 22 DRAWING NO. S4.0

JOB NO. 22188 1 OF 13

FILE NAME: 2214-Malad Chapel Remodel.rvt  
 UPDATE: 10/26/22  
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OPTION #1



OPTION #2

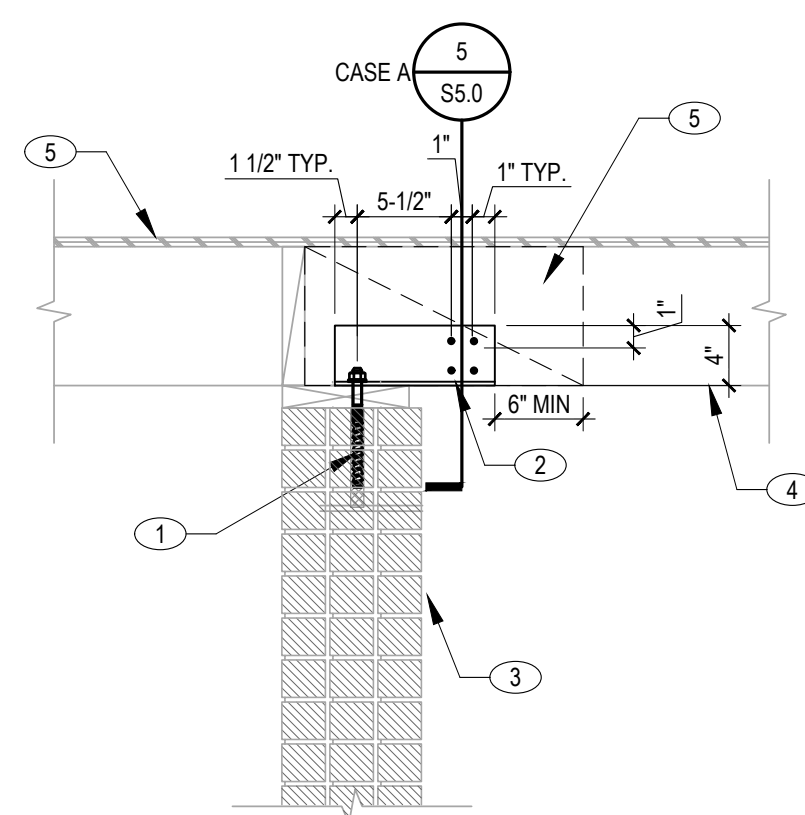
KEYNOTES:

- CORE DRILL HOLE TYP. 1"Ø x 8" DEEP WITH CARBIDE TIPPED DRILL BIT WITH DRILL SET ON ROTATION MODE ONLY. OPTION 1 OR 13" DEEP OPTION 2
- PLACE SCREEN TUBE WITH ADHESIVE TYP. 15/16"Ø x 8" DEEP WITH PLUG AT END
- INSERT STEEL SLEEVE. TYP. 13/16" OUTSIDE DIAMETER
- AFTER CURING, DRILL HOLE THRU PLUG AND REMAINING MASONRY
- PLACE THREADED ROD AND ANCHOR PLATE. TYP. 5/8"Ø AND STEEL PLATE
- BLOCKING OR LEDGER, SEE SPECIFIC DETAILS
- WASHERS
- HOLE IN BLOCK CAN BE OVERSIZED TO PLACE SCREEN TUBE. FILL SPACE IN WOOD WITH ADHESIVE
- PRE-BENT THREADED ROD TYP. 3/4"Ø
- SCREEN TUBE TYP. 15/16"Ø

NOTES:

SEE GSN FOR ALLOWABLE EPOXY TYPES  
TYP. SHEAR OR TENSION BOLTING IN 3 WYTHE BRICK

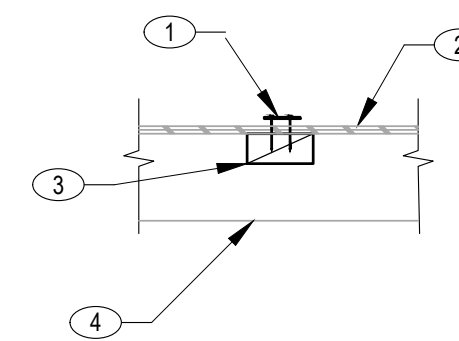
1 TYP. SHEAR OR TENSION BOLTING IN 3 WYTHE BRICK  
S5.0 NO SCALE



2 TYPICAL ANGLE DETAIL INTO 3 WYTH BRICK  
S5.0 NO SCALE

KEYNOTES:

- 3/4"Ø ANCHOR BOLT, SEE DETAILS 1/S5.0 OR 9/S5.0
- L4x4x1/4" ANGLE 9" LONG (LV) W/ (4) 1/4"x3" SDS SCREWS
- MASONRY WALL (WALL CONSTRUCTION MAY BE DIFFERENT THAN SHOWN)
- ROOF JOIST/TRUSS AND FRAMING (CONSTRUCTION MAY BE DIFFERENT THAN SHOWN)
- ROOF SHEATHING, SEE PLAN AND SCHEDULE
- 2x BLOCK BACKING BEHIND STEEL ANGLE, SEE DETAIL 5/S5.0



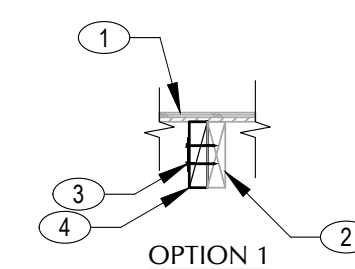
3 TYPICAL STEEL STRAPPING  
S5.0 NO SCALE

KEYNOTES:

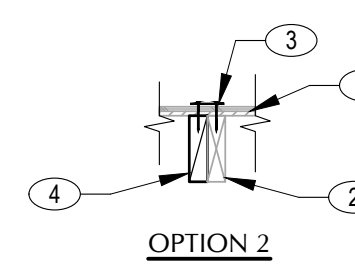
- SIMPSON STRAP, SEE PLANS FOR LENGTH AND TYPE
- (E) ROOF SHEATHING, SEE PLAN FOR VERIFICATION OF NAILING
- 3x BLOCKING, UNO (SEE SPECIFIC DETAILS)
- (E) JOIST/TRUSS

NOTES:

- ALL BLOCKING: USE HEM-FIR #1 OR BTR GRADE.
- REMOVE AND REPLACE ANY SPLIT BLOCKING. USE 3x BLOCKING PRE-DRILL HOLES W/ 7/64"Ø BOT FOR 10d COMMON NAILS & 3/32"Ø BIT FOR 8d COMMON NAILS
- NAILING OF ALL ROOF STRAPS IS EVERY OTHER HOLE EXCEPT WHERE STRAPS LAP ONTO FULL HEIGHT BLOCKING



OPTION 1



OPTION 2

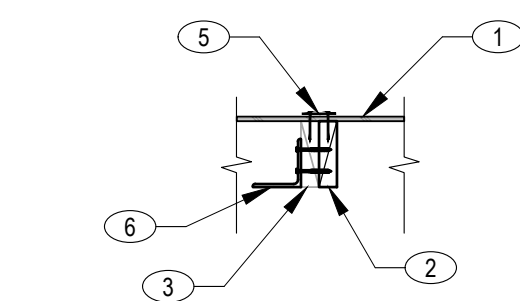
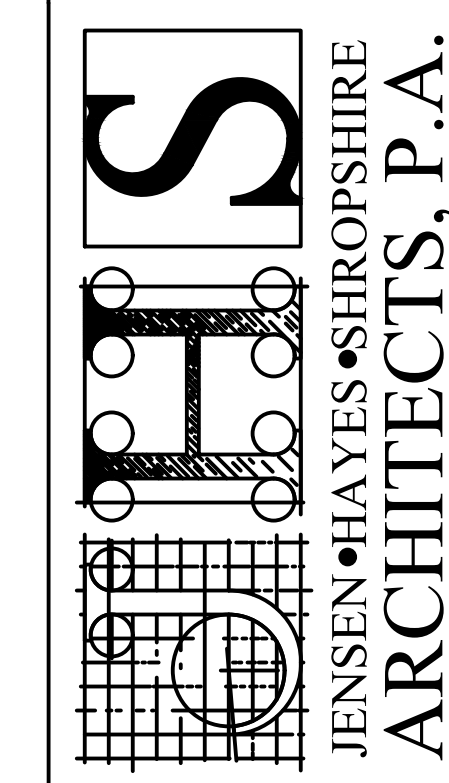
4 TYPICAL STRAPPING  
S5.0 NO SCALE

KEYNOTES:

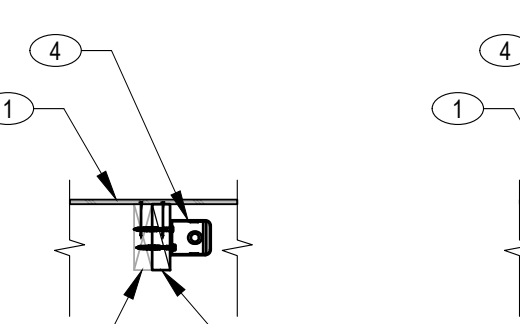
- ROOF SHEATHING, SEE PLANS
- (E) ROOF JOIST
- SIMPSON STRAP, SEE PLANS
- 2x REQ'D. BLOCK, SEE DETAIL 5/S5.0



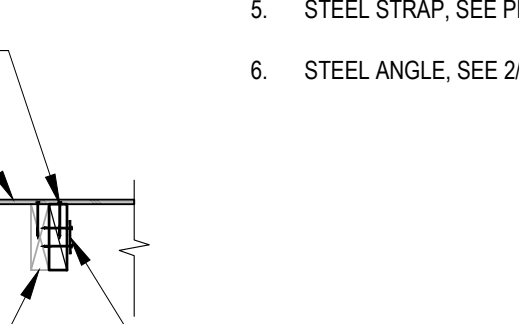
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CASE A



CASE B

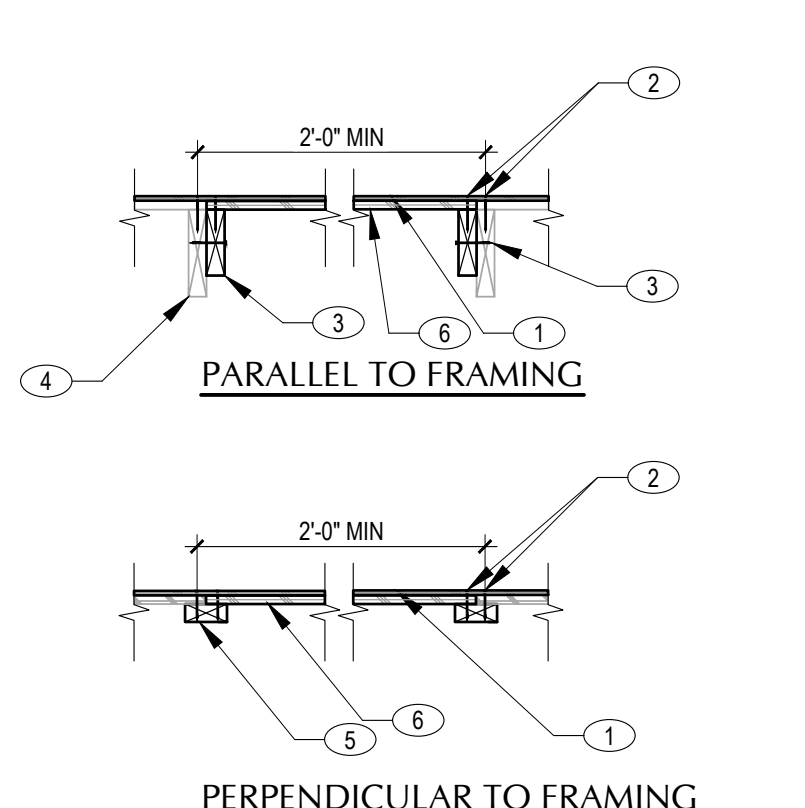


CASE C

KEYNOTES:

- ROOF SHEATHING, SEE SCHEDULE
- 2x REQ'D. NAIL WITH (10) 10d NAILS, GLUE WITH (2) 3/8" BEADS OF 3M S200 MARINE ADHESIVE
- (E) ROOF JOIST OR TRUSS TOP CHORD, SEE SPECIFIC DETAILS
- SIMPSON HOLDOWN, SEE SPECIFIC DETAILS FOR HOLDOWNS
- STEEL STRAP, SEE PLANS
- STEEL ANGLE, SEE 2/S5.0

5 TYP. 2x BLOCKING FOR HOLDOWNS, ANGLES AND STRAPPING  
S5.0 NO SCALE



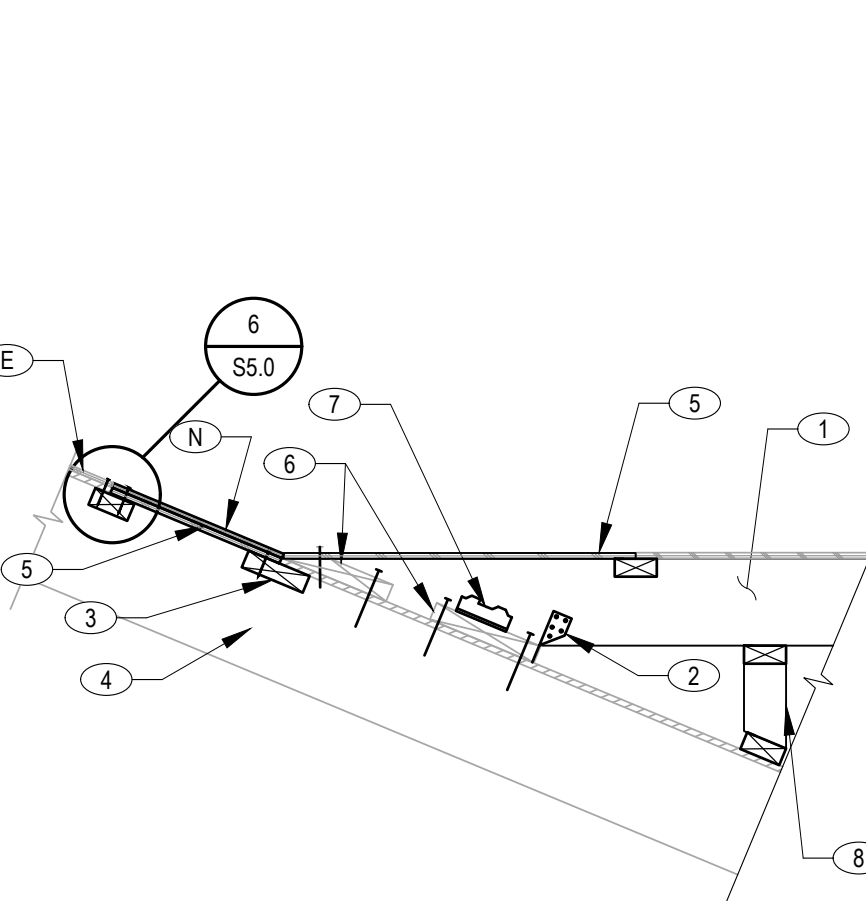
6 TYPICAL DIAPHRAGM REPLACEMENT DETAIL  
S5.0 NO SCALE

KEYNOTES:

- MATCHING REPLACEMENT SHEATHING (3'-0" MIN. WIDTH)
- REQ'D. PANEL EDGE NAILING
- SISTERED 2x6 CONT. BLOCKING W/ 16d NAILS AT 6" O.C.
- (E) 2X FRAMING
- 2x FLAT BLOCKING
- 3/4" PLYWOOD FILLER

NOTES:

- ALL BLOCKING: USE HEM-FIR #1 OR BTR GRADE.
- WHERE (E) 1X IS REMOVED REPLACE W/ 3/4" PLY PRIOR TO OVERLAY.



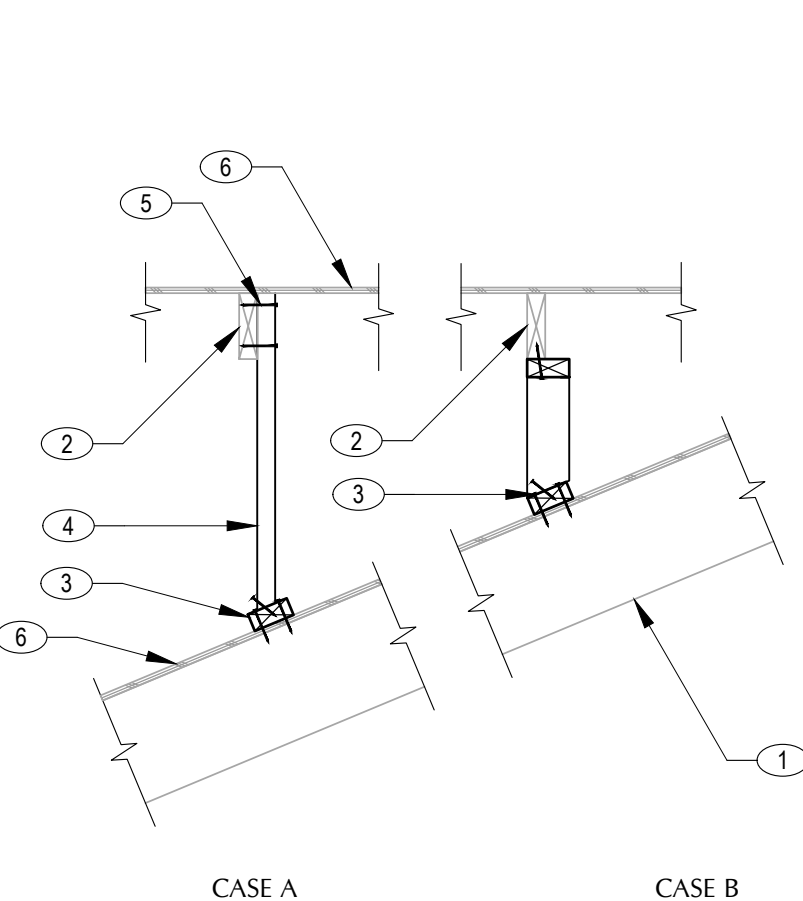
7 TYPICAL OVERBUILD SEISMIC CONNECTIONS  
S5.0 NO SCALE

KEYNOTES:

- (E) 2x OVER BUILD MEMBERS
- SIMPSON H3 HURRICANE ANCHOR AT EVERY OVER BUILD MEMBER
- 2x6 BLOCK, BELOW PLYWOOD
- EXISTING ROOF TRUSSES
- EXISTING ROOF SHEATHING, REMOVE AND REPLACE AS REQ'D. SEE PLAN.
- (E) 2x MEMBERS, ADD (2) #10x2" WOOD SCREWS INTO EACH TRUSS BELOW
- SIMPSON A35 EACH JOIST
- FOR PONY WALLS REQ'D. BELOW OVER BUILD JOISTS, SEE PLAN.

NOTES:

- AT SIM FRAMING DIFFERS FROM SHOWN.



CASE A

CASE B

8 PONY WALLS AT (E) OVERBUILD PARALLEL TO OVERBUILD FRAMING  
S5.0 NO SCALE

KEYNOTES:

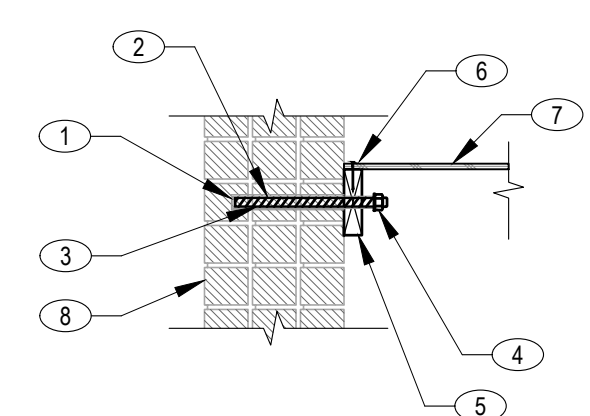
- (E) ROOF JOISTS/TRUSS
- (E) OVERBUILD JOISTS
- CONT. 2x4 PLATE WITH (2) 16d NAILS AT EACH ROOF JOIST
- 2x4 STUDS @ 24" O.C. WITH (2) TOE NAILS INTO PLATE
- (4) 16d NAILS EACH STUD
- ROOF SHEATHING, SEE PLANS

KEYNOTES:

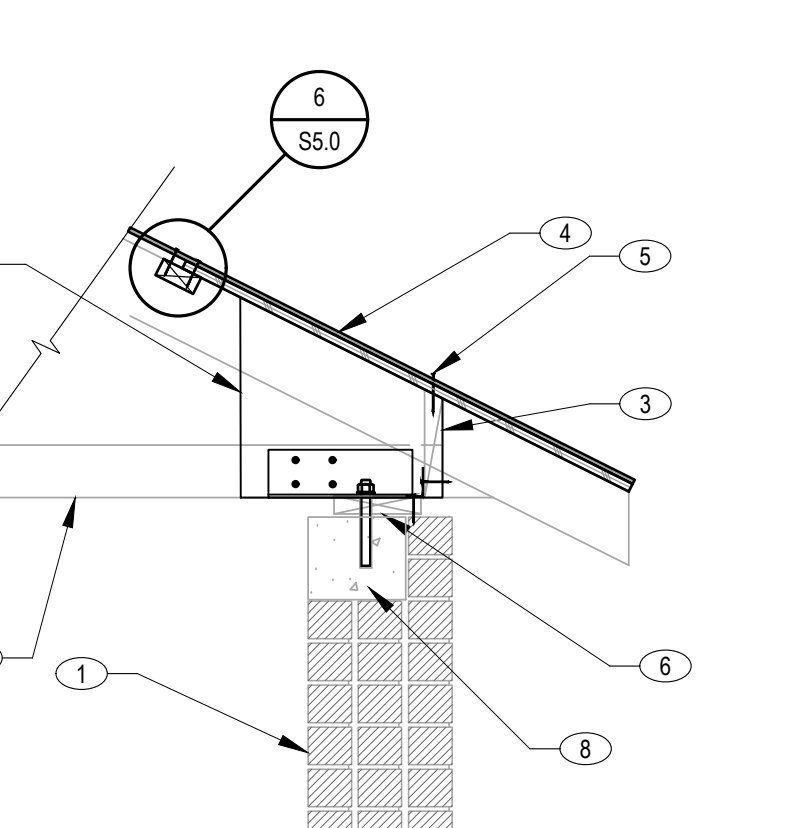
- CORE DRILL HOLE TYP. 1"Ø x 8" DEEP WITH CARBIDE TIPPED DRILL BIT WITH DRILL SET ON ROTATION MODE ONLY. CLEAN HOLE WITH WIRE BRUSH AND COMPRESSED AIR
- INSERT SCREEN TUBE TYP. 15/16"Ø
- THREADED ROD TYP. 3/4"Ø
- WASER AND NUTS WASHER
- WOOD LEDGER, SEE SPECIFIC DETAILS
- BOUNDARY NAILING
- (E) WOOD SHEATHING
- (3) WYTH BRICK WALL

NOTES:

- DETAIL NOT TO BE USED FOR TENSION BOLTS
- SEE GSN FOR ALLOWABLE EPOXY TYPES.



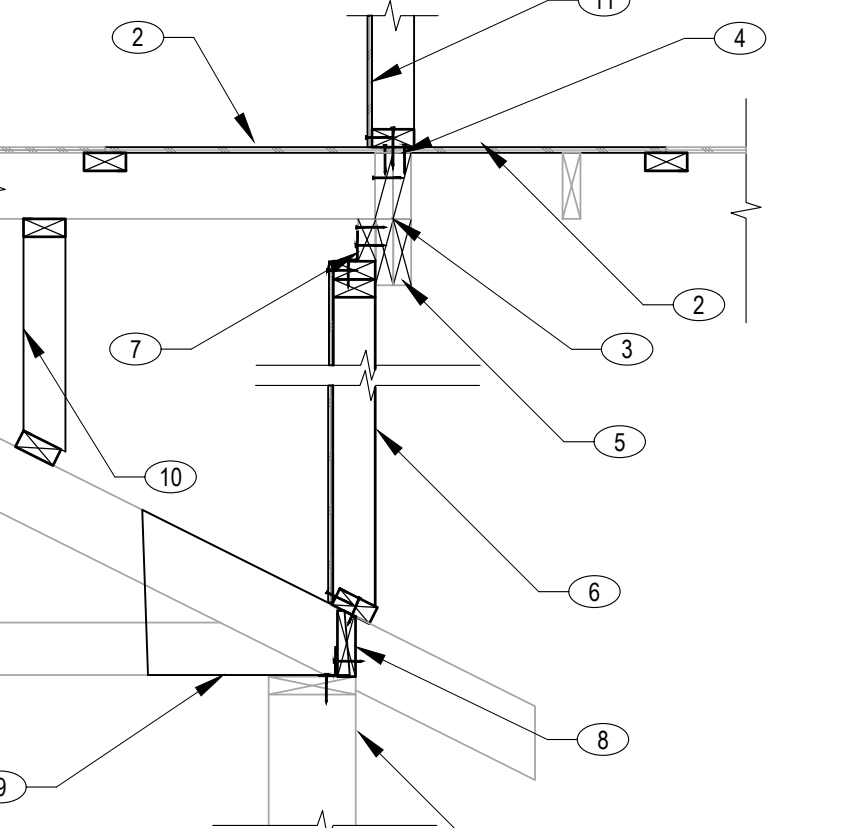
9 TYP. SHEAR BOLTING IN 3 WYTHE BRICK  
S5.0 NO SCALE



10 LOAD PATH AT TRUSS BEARING  
S5.0 NO SCALE

KEYNOTES:

- (E) MULTIWYTH BRICK WALL
- (E) WOOD TRUSS, SEE PLANS FOR REQ'D. UPGRADES
- FULL HEIGHT 2X BLOCKING WITH LS50 EACH BLOCK
- (E) 1x SPACED SHEATHING WITH (E) OVERLAY, SEE PLANS
- REQ'D. PANEL BOUNDARY NAILING, SEE SCHED.
- (E) 2x PLATE WITH (E) BOLTS @ 48" O.C. VERIFY AND ADD ACCORDINGLY
- NEW PLYWOOD GUSSETS
- (E) CONCRETE BOND BEAM.
- STEEL ANGLE, SEE DETAIL 2/S5.0



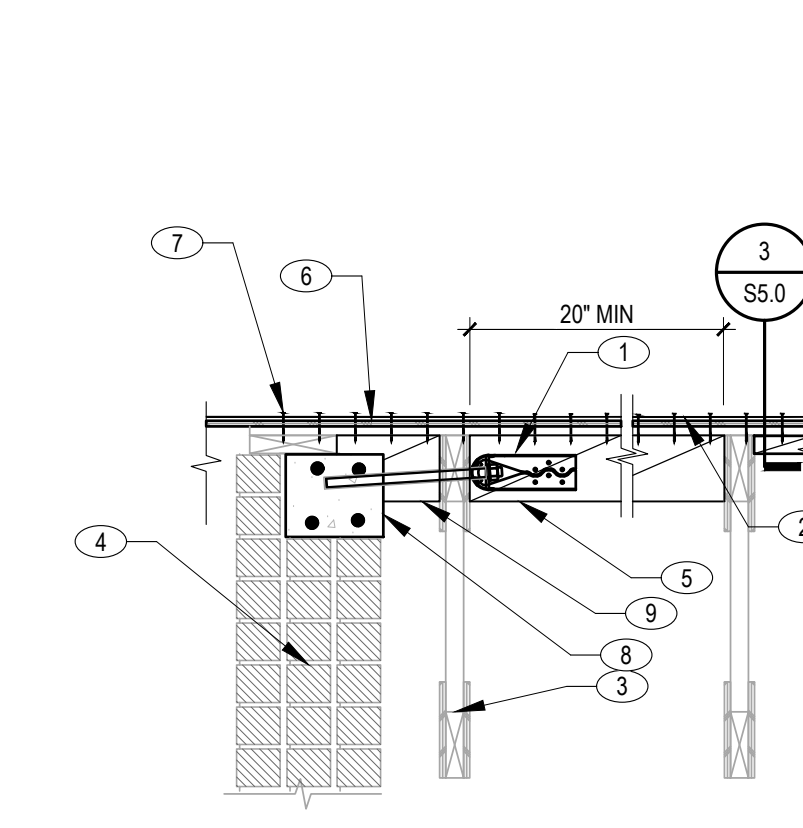
11 SHEAR TRANSFER OVER (E) WOOD WALL  
S5.0 NO SCALE

KEYNOTES:

- (E) INTERIOR WALL, FUTURE UPGRADE AND CONNECTION TO WALL ABOVE REQ'D.
- (E) ROOF SHEATHING, REPLACE AS REQ'D. UPGRADES. SEE DETAIL 6/S5.0
- (E) 2X BLOCKING, CONNECT WITH LTP4 @ 2' O.C.
- REQ'D. BOUNDARY NAILING
- (E) 2X BEAM
- (N) 2X4 STUDS @ 24" O.C. SEE SCHEDULE AND PLAN
- SIMPSON LS50 CLIPS AT 2' O.C.
- (N) 2X SHAPED BLOCKING W/ SIMPSON LS50 EACH BLOCK.
- (E) TRUSSES, SEE PLAN FOR UPGRADE.
- PONY WALLS @ 24" O.C. SEE DETAIL 8/S5.0
- (N) SHEAR WALL ABOVE.

NOTES:

- PROVIDE 4'x4' OPENING FOR ACCESS OVER TRUSSES. PROVIDE 2X BLOCKING AROUND PERIMETER.



VIEW A-A

12 LOAD PATH @ WALL PARALLEL TO TRUSS  
S5.0 NO SCALE

KEYNOTES:

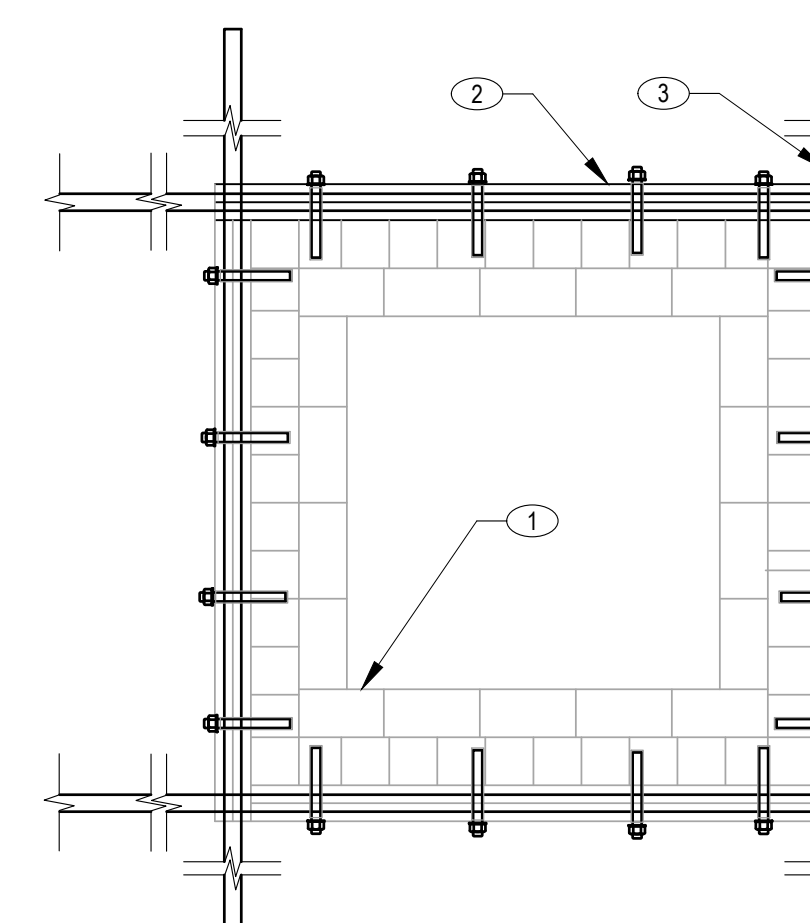
- SIMPSON HDU2 W/ 5/8" Ø EPOXY ANCHOR BOLT @ 4'-0" O.C.
- SIMPSON COIL STRAP, ALIGNED W/ HDU (SEE PLAN FOR LENGTH)
- EXISTING ROOF TRUSS OR ROOF JOIST. SEE PLAN FOR UPGRADE.
- EXISTING 3 WYTH BRICK WALL
- 3X OR DOUBLE 2X BLOCK BELOW STRAP. SEE DETAIL 5/S5.0
- (E) ROOF SHEATHING W/ (E) OVERLAY, SEE SCHED. REMOVE AND REPLACE AS REQ'D. SEE DETAIL 6/S5.0.
- REQ'D. PANEL BOUNDARY NAILING
- (N) CONCRETE BOND BEAM, SEE PLANS.
- 2x OR 3x COMPRESSION BLOCK AS REQ'D.

KEYNOTES:

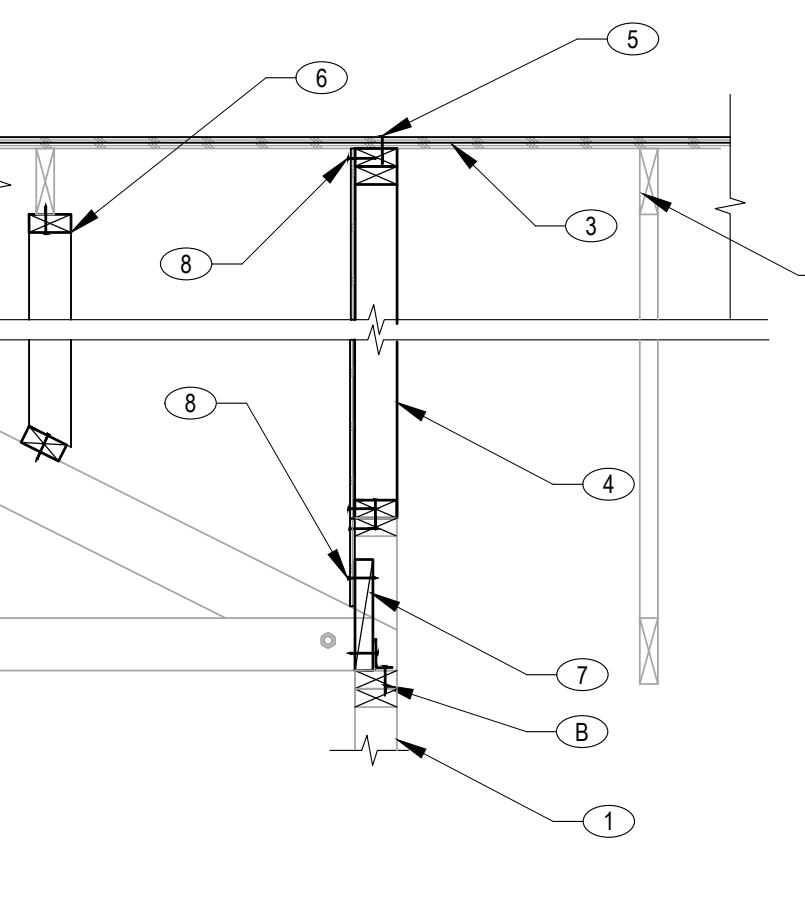
- (E) MASONRY CHIMNEY/STEEPLE
- (2) 2x8 LEDGER ATTACH WITH (4) 3/4" EPOXY ANCHOR 6" MIN. EMBEDMENT, SEE DETAIL 1/S5.0
- SIMPSON CONT. STRAP ABOVE ROOF SHEATHING, SEE PLAN AND DETAIL 4/S5.0

NOTES:

- ROOF FRAMING NOT SHOWN FOR CLARITY. ATTACH STEEL STRAP TO ROOF FRAMING WHERE FEASIBLE. USE BLOCKING AT ALL OTHER LOCATIONS



13 BRACING OF ROOF CHIMNEY  
S5.0 NO SCALE



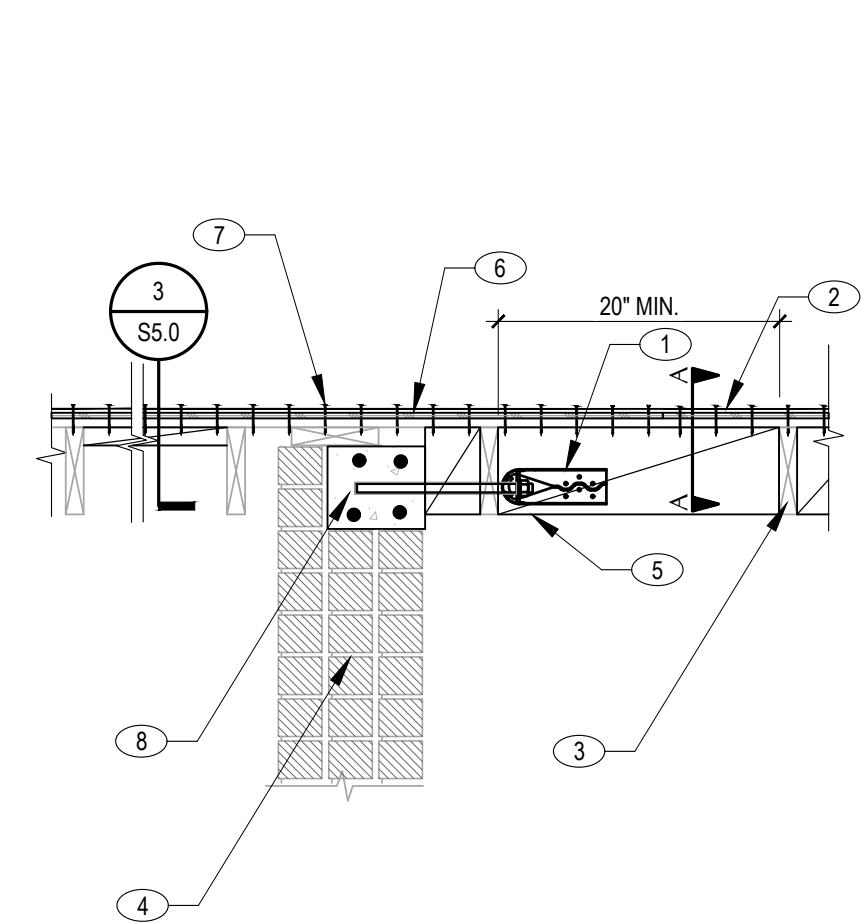
14 SHEAR TRANSFER OVER (E) WOOD WALL  
S5.0 NO SCALE

KEYNOTES:

- (E) INTERIOR 2X4 STUD WALL, REQ'D TO BE SHEATHED AND CONNECTED TO SHEAR WALL ABOVE IN FUTURE INTERIOR REMODEL.
- (E) ROOF TRUSS, SEE PLAN FOR UPGRADE
- (E) ROOF SHEATHING, SEE SCHED.
- (N) SHEAR WALL, SEE SCHED.
- REQ'D. BOUNDARY NAILING
- 2X4 PONY WALLS, SEE DETAIL 8/S5.0
- 2X10 BLOCKING
- REQ'D. EDGE NAILING

NOTES:

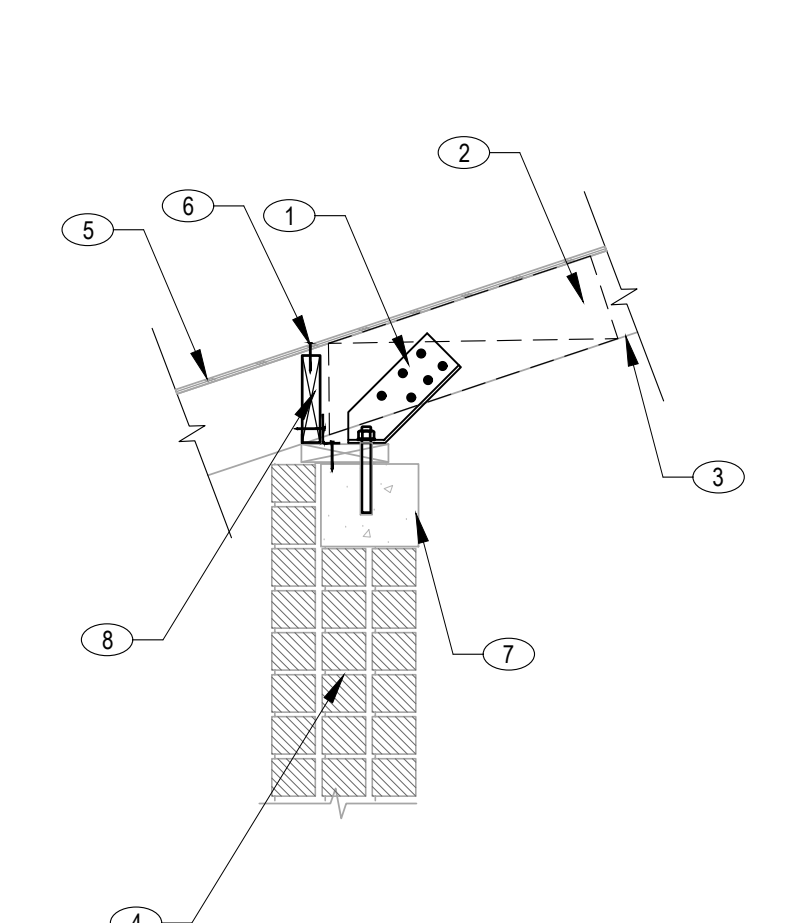
- PROVIDE 4'x4' OPENING FOR ACCESS OVER TRUSSES. PROVIDE 2X BLOCKING AROUND PERIMETER W/ EDGE NAILING.
- CONTACT EOR IF TRUSSES ARE NOT BEARING ON 2X STUDS OR PLATE BELOW. NOTE THAT A NAILED CONNECTION TO FACE OF WALL IN SHEAR IS NOT ADEQUATE.



15 LOAD PATH @ WALL PARALLEL TO TRUSS  
S5.0 NO SCALE

KEYNOTES:

- SIMPSON HDU2 W/ 5/8" Ø ANCHOR BOLT @ 4'-0" O.C.
- SIMPSON COIL STRAP, ALIGNED W/ HDU (SEE PLAN FOR LENGTH)
- EXISTING ROOF TRUSS OR ROOF JOIST
- EXISTING 3-WYTH BRICK WALL
- 3X OR DOUBLE 2X BLOCK BELOW STRAP. SEE DETAIL 4/S5.0
- (E) ROOF SHEATHING, REMOVE AND REPLACE AS REQ'D. SEE DETAIL 6/S5.0
- REQ'D. PANEL BOUNDARY NAILING
- NEW BOND BEAM, SEE PLANS
- 2x OR 3x COMPRESSION BLOCK AS REQ'D.

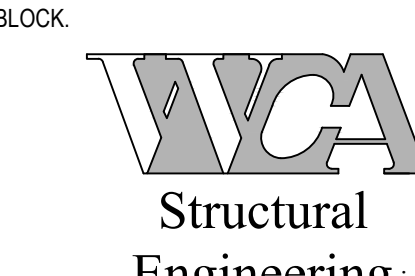


VIEW A-A

16 LOAD PATH @ HIGH WALL PARALLEL TO TRUSS  
S5.0 NO SCALE

KEYNOTES:

- BENT STEEL ANGLE W/ 5/8" Ø DRILL AND EPOXY ANCHOR BOLT @ 4'-0" O.C. PROVIDE (6) SIMPSON SDS25212 SCREWS INTO ROOF JOISTS.
- 2X BLOCKING BEYOND JOIST. GLUE AND NAIL TO ROOF JOIST. SEE DETAIL 1/S5.1
- (E) ROOF JOIST.
- (E) 3 WYTHE BRICK WALL.
- (E) ROOF SHEATHING, REMOVE AND REPLACE AS REQ'D. SEE DETAIL 6/S5.0.
- REQ'D. PANEL BOUNDARY NAILING
- (E) BOND BEAM.
- SHAPED 2X BLOCK W/ SIMPSON LS50 EACH BLOCK.

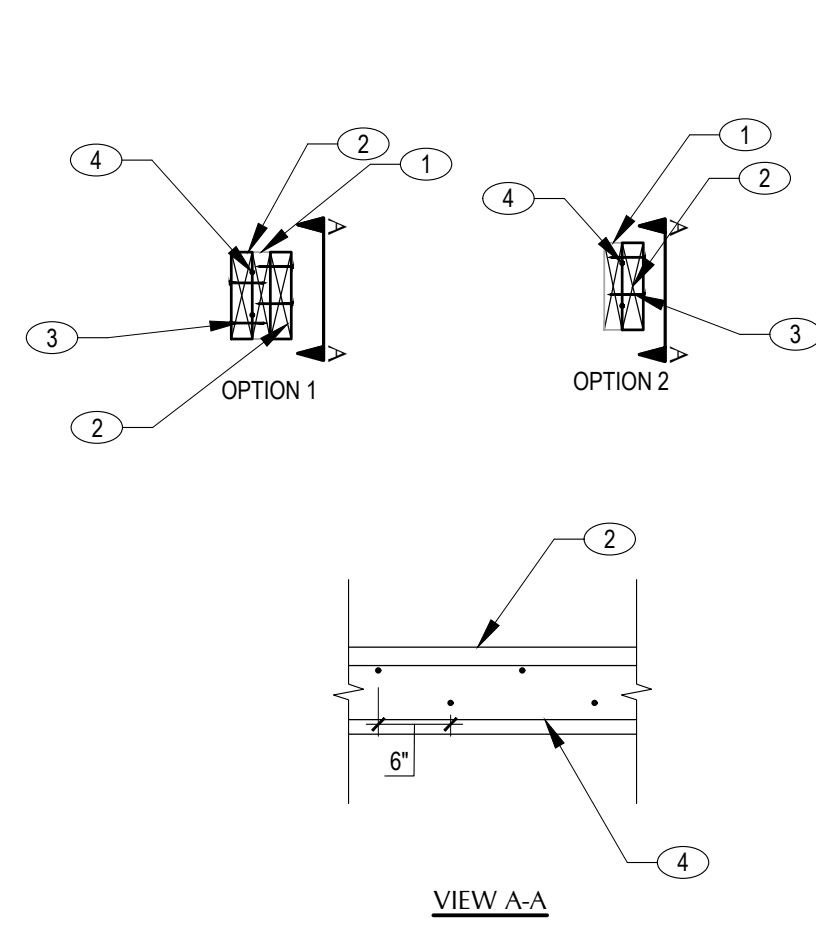


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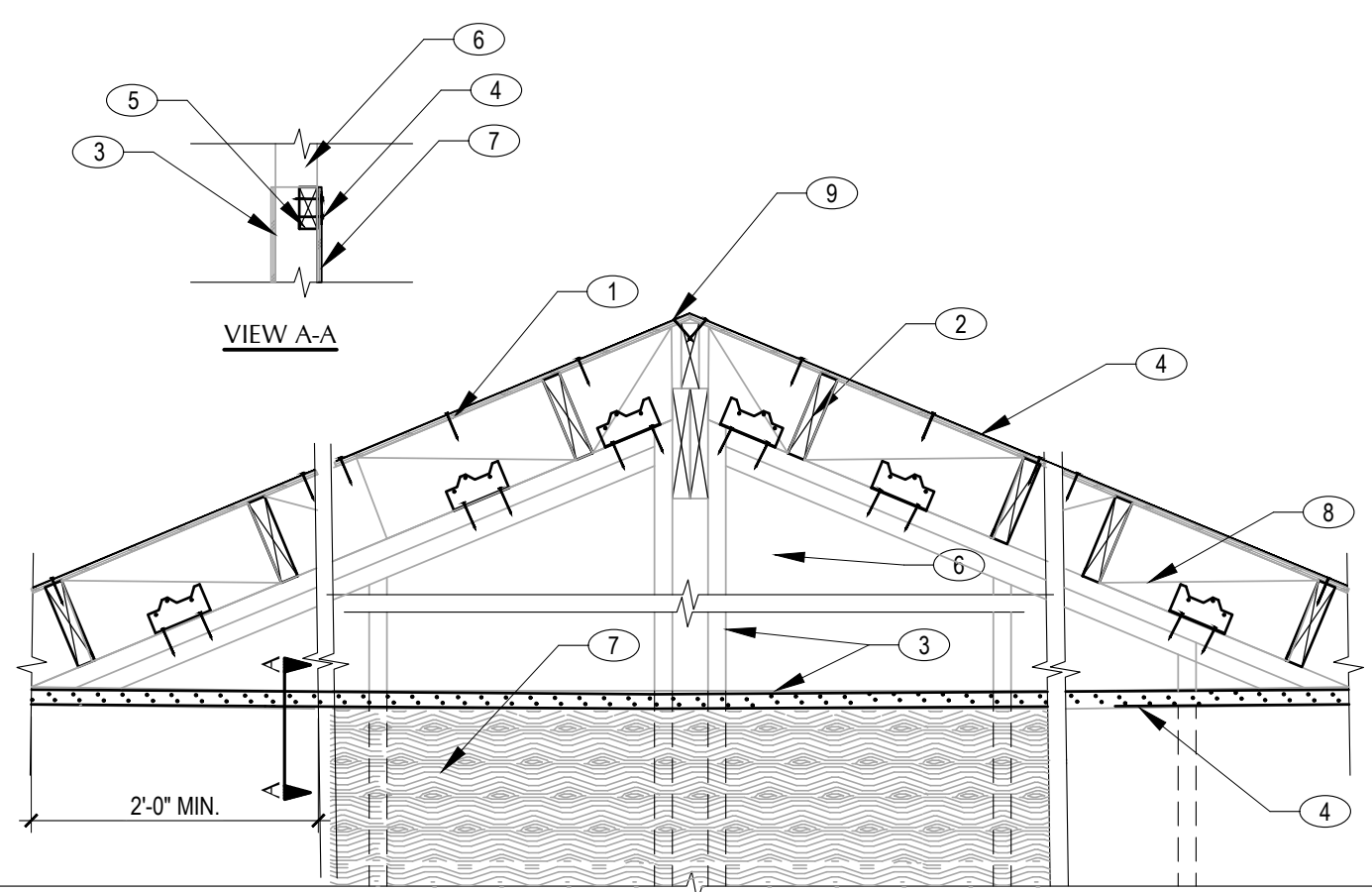
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REVISIONS:	DATE: OCT 22	DRAWING NO. <b>S5.0</b>
	JOB NO. 22188	1 OF 13
	FILE NAME: 2214-Malad Chapel Remodel.pdf	UPDATE: 10/26/22
	DRAWN BY: IH	

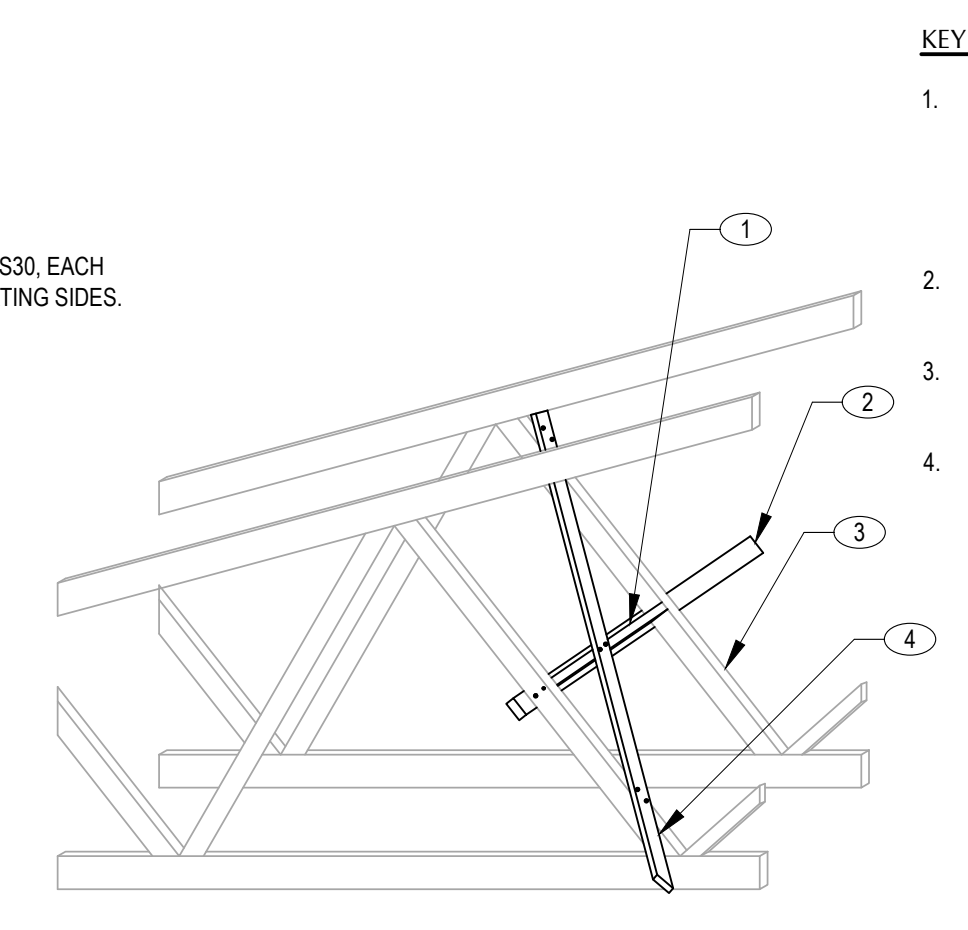
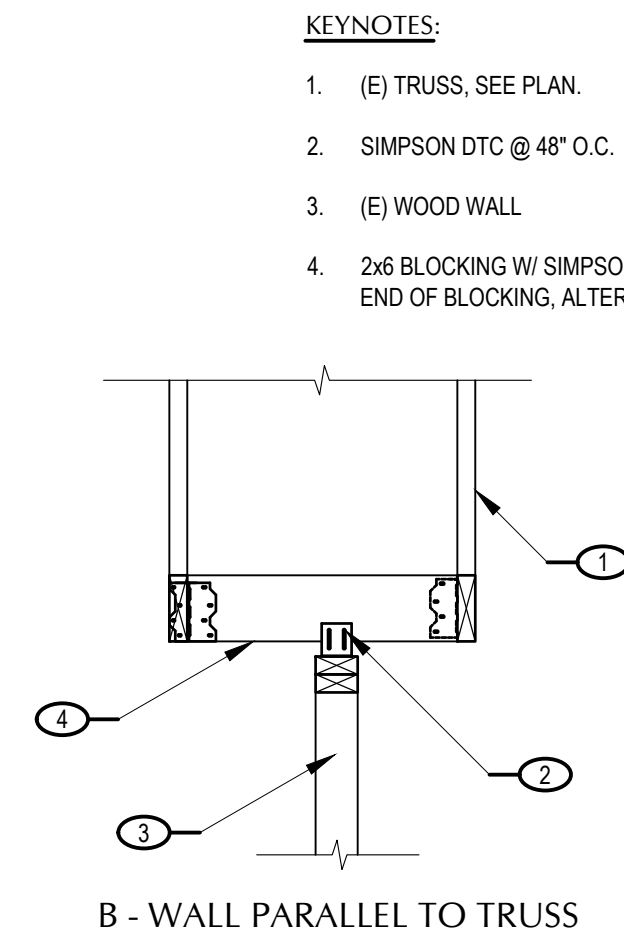
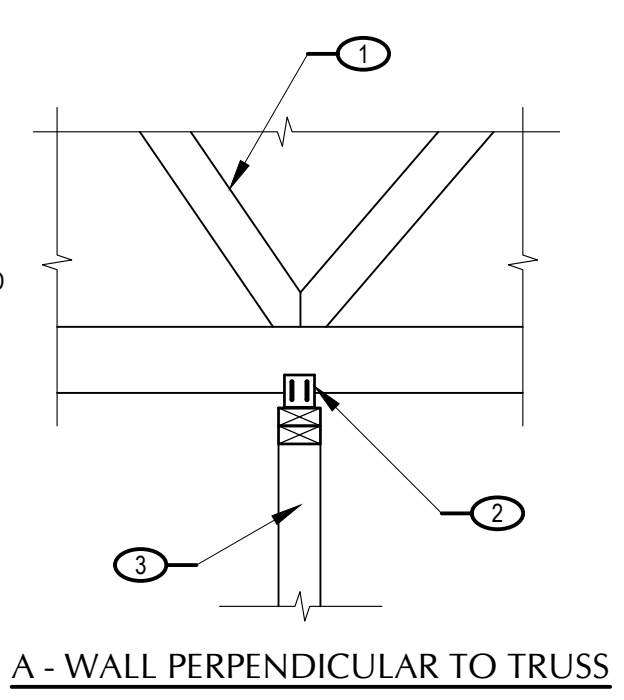




- KEYNOTES:**
- (E) TOP CHORD.
  - (N) MEMBER TO MATCH (E) MEMBER
  - 10d NAILS @ 6" O.C. STAGGERED.
  - (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE



- KEYNOTES:**
- ROOF SHEATHING, SEE PLANS
  - (E) 2X ROOF JOISTS
  - (E) ROOF GABLE END FRAMING
  - SIMPSON CSMT16 COIL STRAP, EXTEND STRAP A MINIMUM OF 2' BEYOND END OF OPENING.
  - 2X BLOCKING BEYOND STRAP.
  - (E) VENTILATION OPENING
  - (N) SHEAR WALL SHEATHING
  - (E) FULL HEIGHT BLOCKING W/ (N) SIMPSON LS50 EACH BLOCK.
  - REQ'D BOUNDARY NAILING



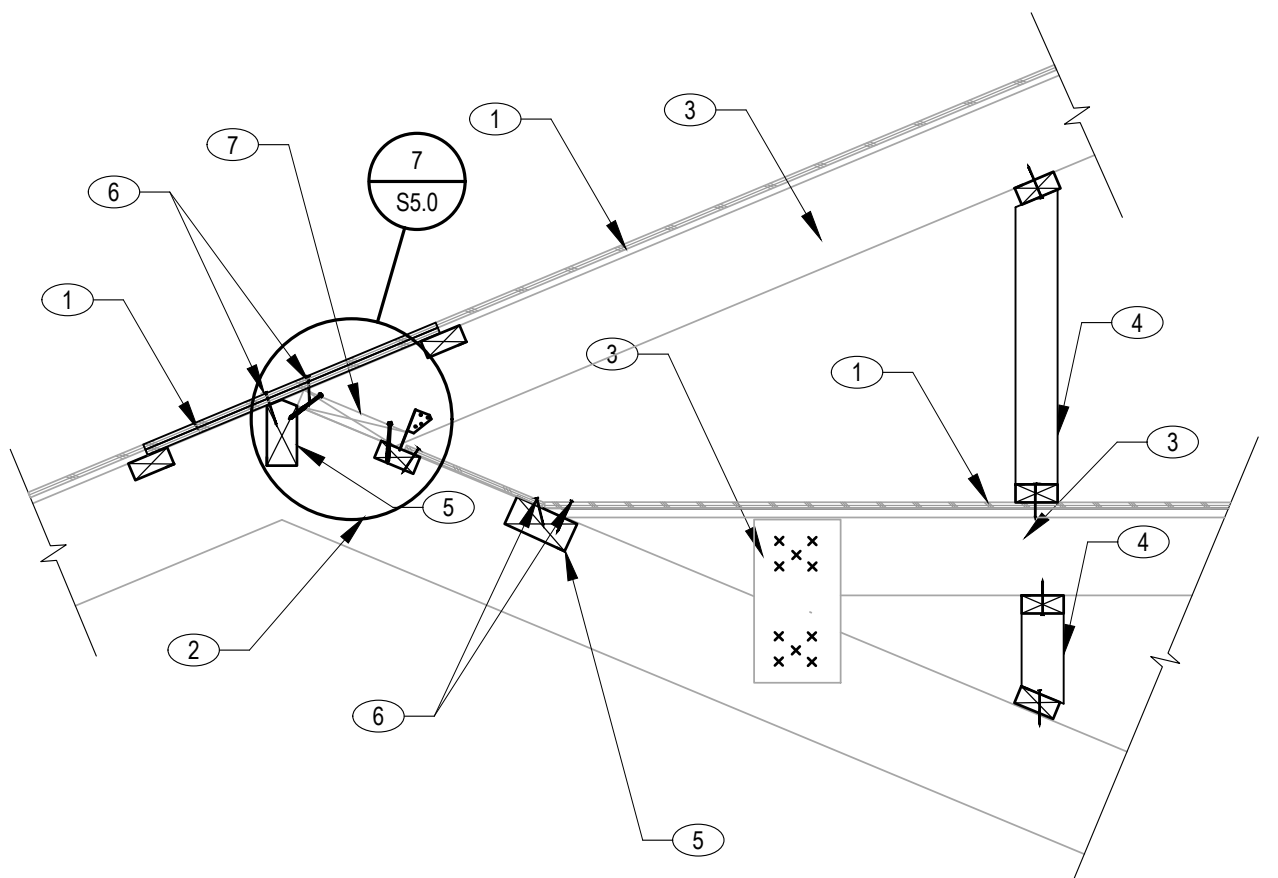
- KEYNOTES:**
- SOLID BLOCK MATCHING DEPTHS OF WEB WITH (4) 16d SINKERS INTO CONT. LATERAL TIE AND (2) 16d SINKERS EACH END
  - 2x4 CONT. LATERAL TIE WITH (2) 16d SINKER EACH WEB MEMBER
  - TRUSS WEB MEMBER REQUIRING BRACING
  - 2x4 DIAGONAL BRACE EVERY 20' MIN. WITH (2) 16d SINKERS INTO EACH TRUSS MEMBER AND SOLID BLOCKING

1 SISTER 2x TOP CHORD DETAIL  
SS.1 NO SCALE

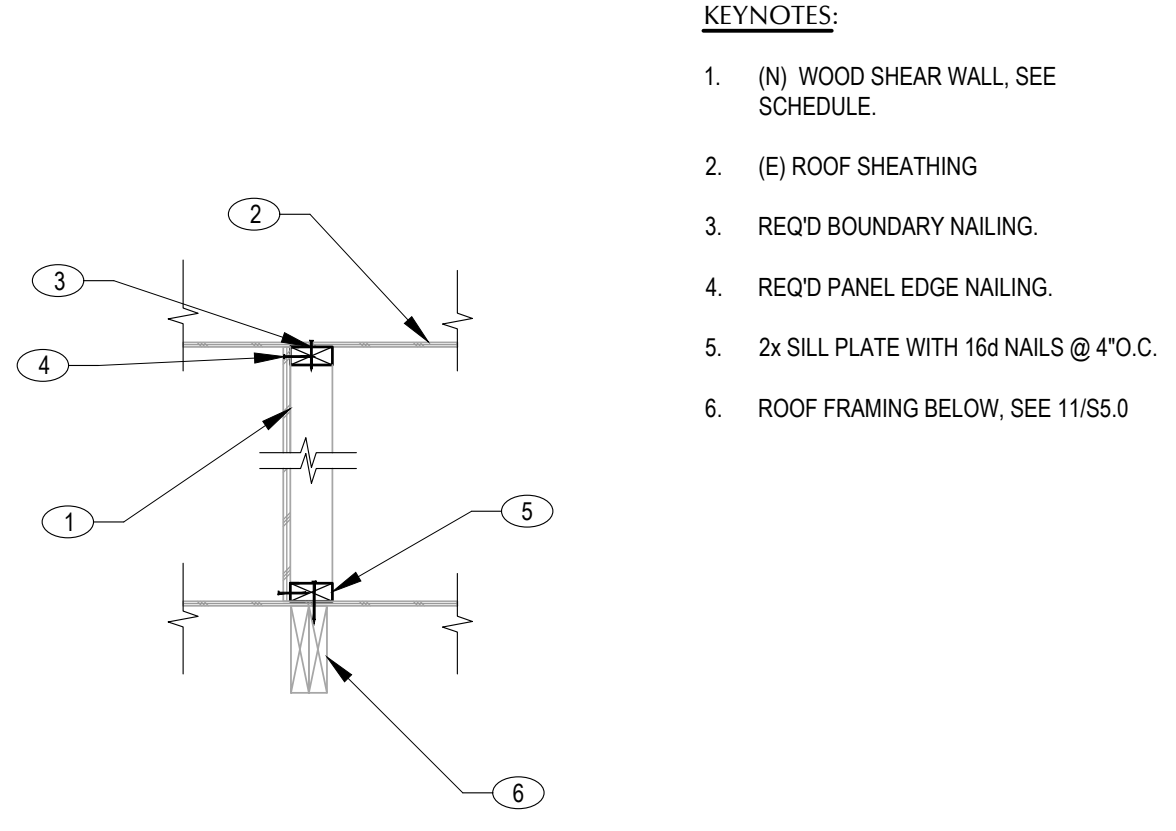
2 STRAP AROUND SHEAR WALL OPENINGS  
SS.1 NO SCALE

3 TYP. PARTITION WALL ANCHORAGE  
SS.1 NO SCALE

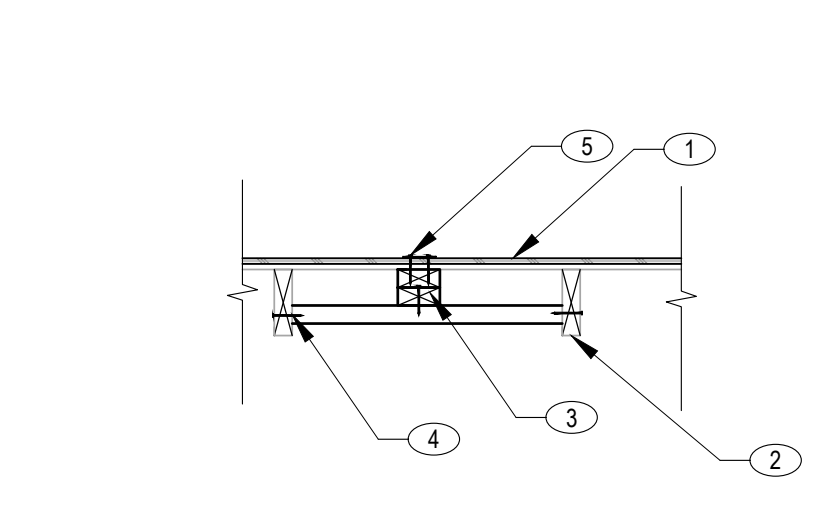
4 TYP. TRUSS WEB BRACING  
SS.1 NO SCALE



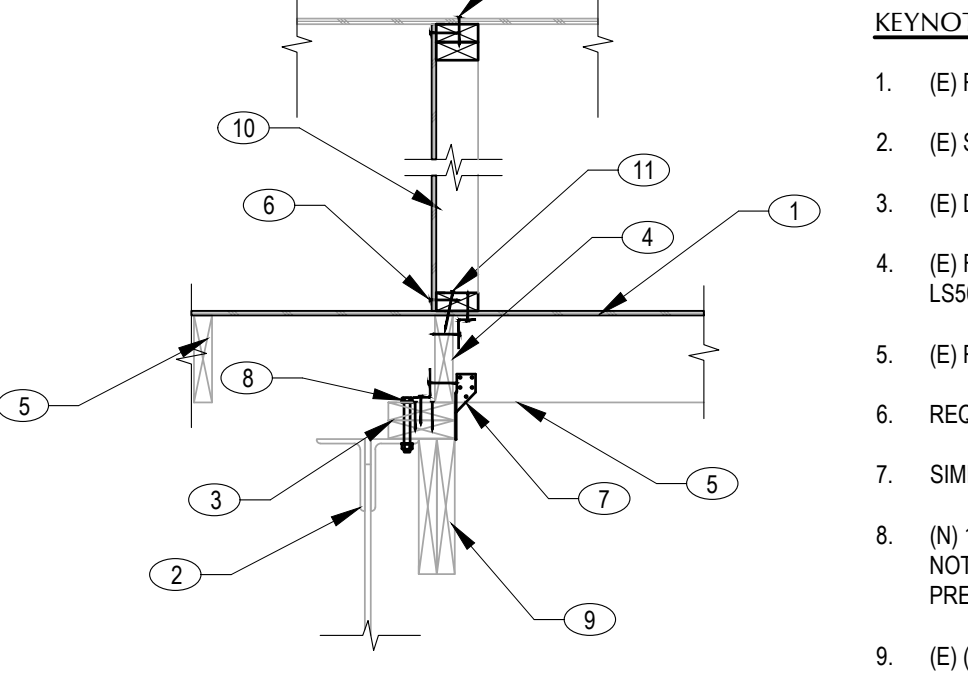
- KEYNOTES:**
- (E) ROOF SHEATHING
  - (E) ROOF TRUSS
  - (E) ROOF OVERBUILD JOISTS OVER TRUSS
  - (N) PONY WALLS SEE DETAIL 8/SS.0
  - SHAPED 3X BLOCKING
  - REQ'D BOUNDARY NAILING
  - (E) 2X10 PLATE W/ 3" WOOD SCREWS INTO BLOCKING BELOW.



- KEYNOTES:**
- (N) WOOD SHEAR WALL, SEE SCHEDULE.
  - (E) ROOF SHEATHING
  - REQ'D BOUNDARY NAILING.
  - REQ'D PANEL EDGE NAILING.
  - 2x SILL PLATE WITH 16d NAILS @ 4" O.C.
  - ROOF FRAMING BELOW, SEE 11/SS.0



- KEYNOTES:**
- ROOF SHEATHING, SEE PLANS
  - (E) 2X ROOF JOISTS
  - 2X TOP PLATE W/ (2) ROWS OF 10d NAILS @ 3" O.C.
  - 2X DRAG BRACING @ 48" O.C.
  - SIMPSON COIL STRAP, SEE PLANS.



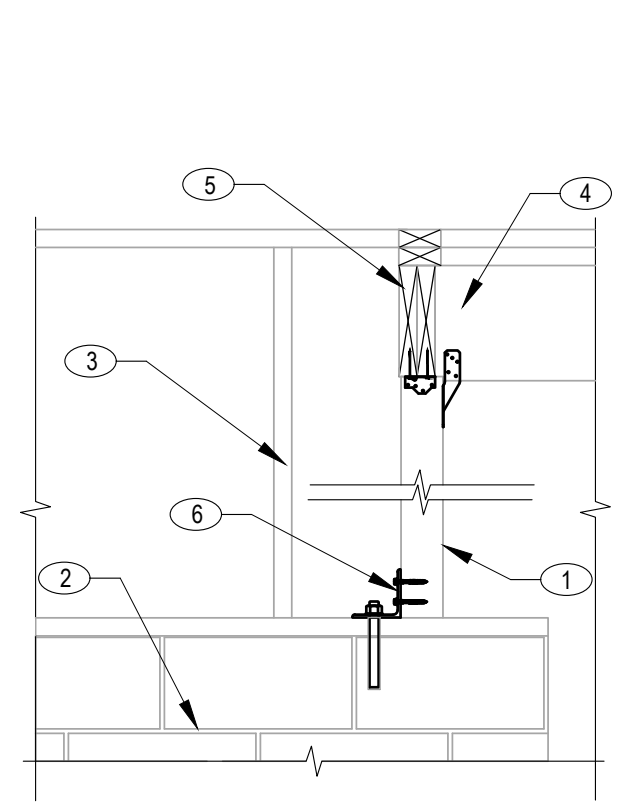
- KEYNOTES:**
- (E) ROOF SHEATHING
  - (E) STEEL TRUSS
  - (E) DOUBLE 2X TOP PLATE
  - (E) FULL HEIGHT BLOCKING PROVIDE (N) LS50 CLIPS @ 2' O.C. TOP AND BOTTOM
  - (E) ROOF JOISTS
  - REQ'D PANEL NAILING
  - SIMPSON H2.5 EACH JOIST
  - (N) 1/2" BOLTS @ 24" O.C. NEW BOLTS NOT REQ'D WHERE OLD BOLTS ARE PRESENT.
  - (E) (2) 2X12 BEAM BOLTED TO TRUSS
  - (N) SHEAR WALL ABOVE, SEE PLANS AND SCHEDULE
  - 16d NAILS @ 4" O.C. FROM PLATE TO BLOCKING

5 OVERBUILD SEISMIC CONNECTION ABOVE CHAPEL  
SS.1 NO SCALE

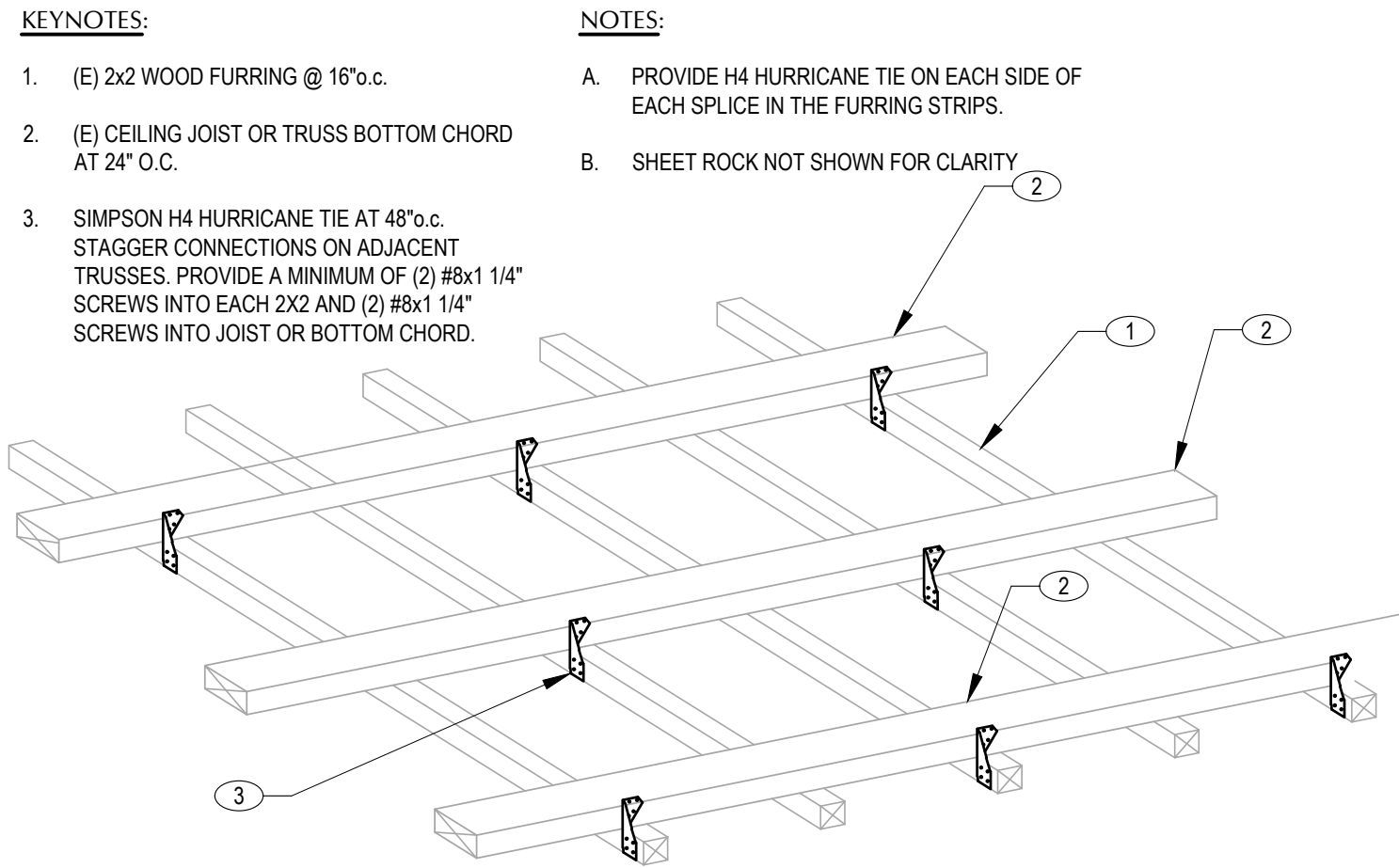
6 LOAD PATH AT NEW SHEAR WALL  
SS.1 NO SCALE

7 2X DRAG  
SS.1 NO SCALE

8 STEEL TRUSS DRAG  
SS.1 NO SCALE

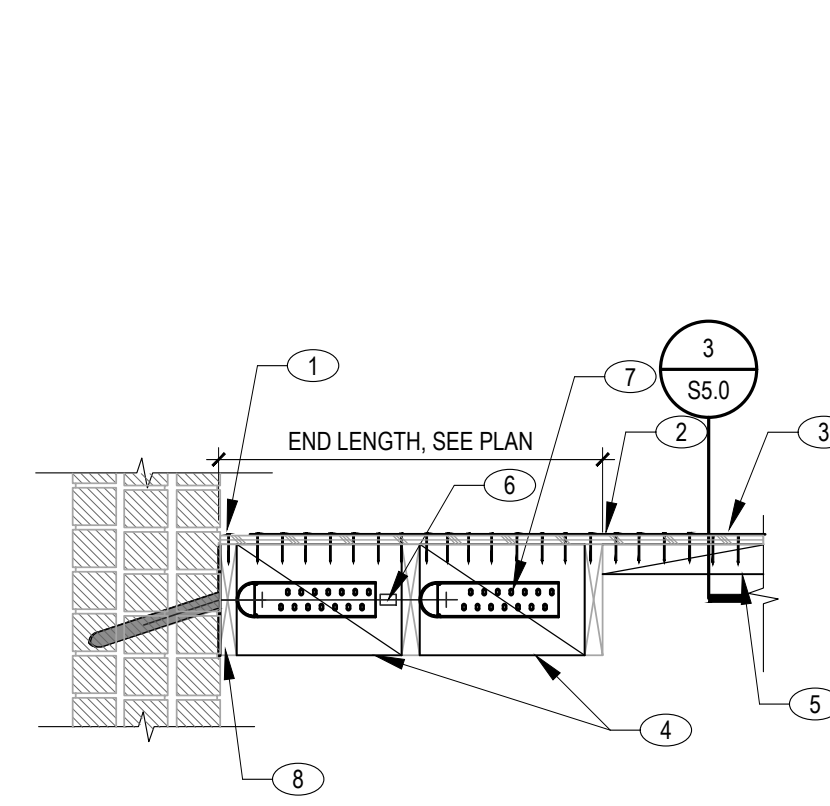


- KEYNOTES:**
- (E) WOOD COLUMN
  - (E) MASONRY WALL, IF WALL IS WOOD CONTRACTOR TO REPLACE STEEL ANGLE W/ SIMPSON A34 CLIP.
  - (E) 2X STUD WALL
  - (E) WOOD BEAM, SECURE TO COLUMN W/ SIMPSON H2.5 CLIP
  - (E) 2X12 WOOD BEAM, SECURE TO COLUMN W/ SIMPSON A34 CLIP
  - 4"x4"x1/4" STEEL ANGLE W/ 5/8" DRILL AND EPOXY BOLT INTO WALL. SECURE TO POST W/ (4) SIMPSON SDS25212 SCREWS.
- NOTES:**
- IF BEARING WALL IS WOOD CONTRACTOR TO REPLACE STEEL ANGLE W/ SIMPSON A34 CLIP.
  - AT SIM. FRAMING ABOVE COL. MAY BE DIFFERENT



- KEYNOTES:**
- (E) 2x2 WOOD FURRING @ 16" o.c.
  - (E) CEILING JOIST OR TRUSS BOTTOM CHORD AT 24" O.C.
  - SIMPSON H4 HURRICANE TIE AT 48" o.c. STAGGER CONNECTIONS ON ADJACENT TRUSSES. PROVIDE A MINIMUM OF (2) #8x1 1/4" SCREWS INTO EACH 2X2 AND (2) #8x1 1/4" SCREWS INTO JOIST OR BOTTOM CHORD.

- NOTES:**
- PROVIDE H4 HURRICANE TIE ON EACH SIDE OF EACH SPLICE IN THE FURRING STRIPS.
  - SHEET ROCK NOT SHOWN FOR CLARITY



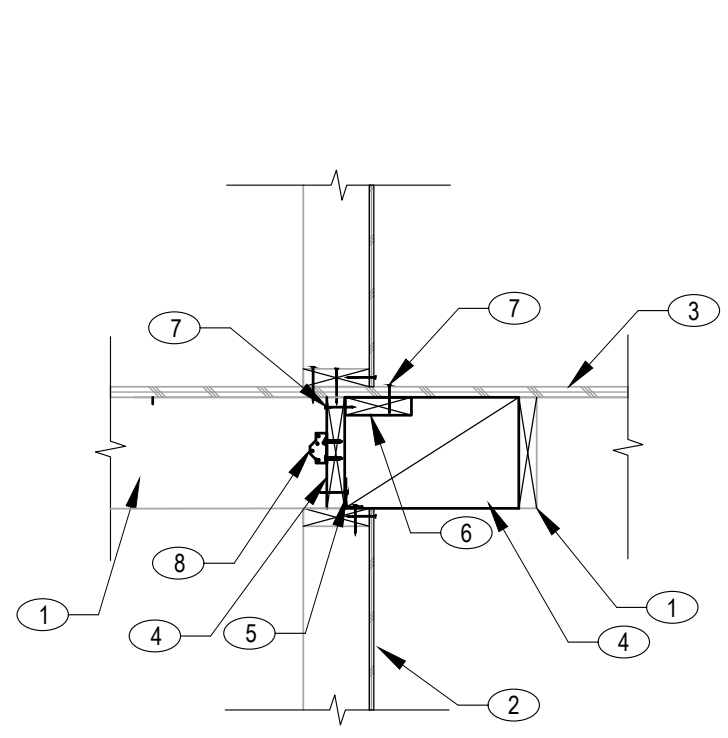
- KEYNOTES:**
- REQ'D PANEL BOUNDARY NAILING
  - (E) FLOOR SHEATHING, SEE PLAN AND SCHEDULE FOR UPGRADE
  - SIMPSON STRAPS, SEE PLANS
  - 4x BLOCKING OR DOUBLE 2x BLOCKING GLUED AND NAILED WITH (10) 10d NAILS
  - FLAT BLOCKING, SEE DETAIL 5/SS.0
  - 5/8" ROD WITH COUPLER NUT
  - SIMPSON HDU2 @ 48" O.C.
  - (E) FLOOR JOISTS
- NOTES:**
- WHERE STRAP LAP LENGTH CAN BE OBTAINED WITH A SINGLE HDU AND BLOCK THE SECOND HDU MAY BE OMITTED

9 COLUMN CONNECTION  
SS.1 NO SCALE

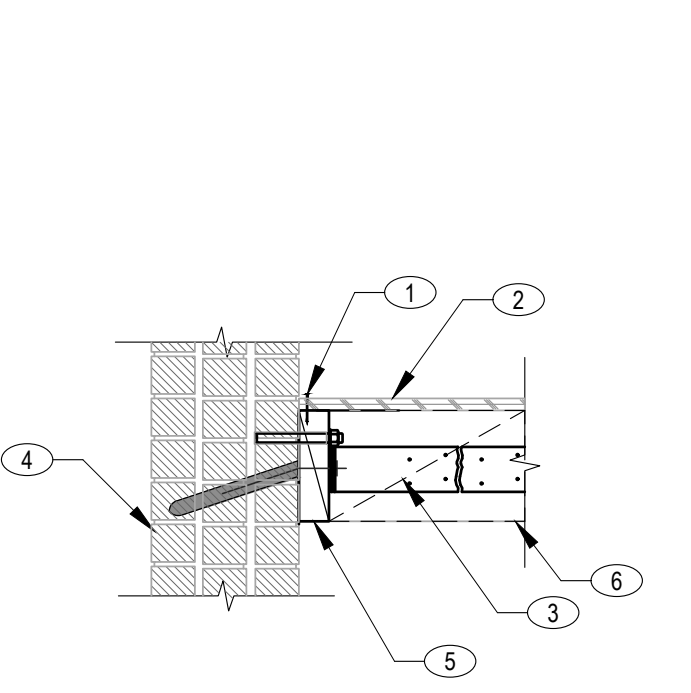
10 CEILING ATTACHMENT TO TRUSS BOTTOM CHORD USING H4 TIES  
SS.1 NO SCALE

11 JOIST TO WALL CONNECTION  
SS.1 NO SCALE

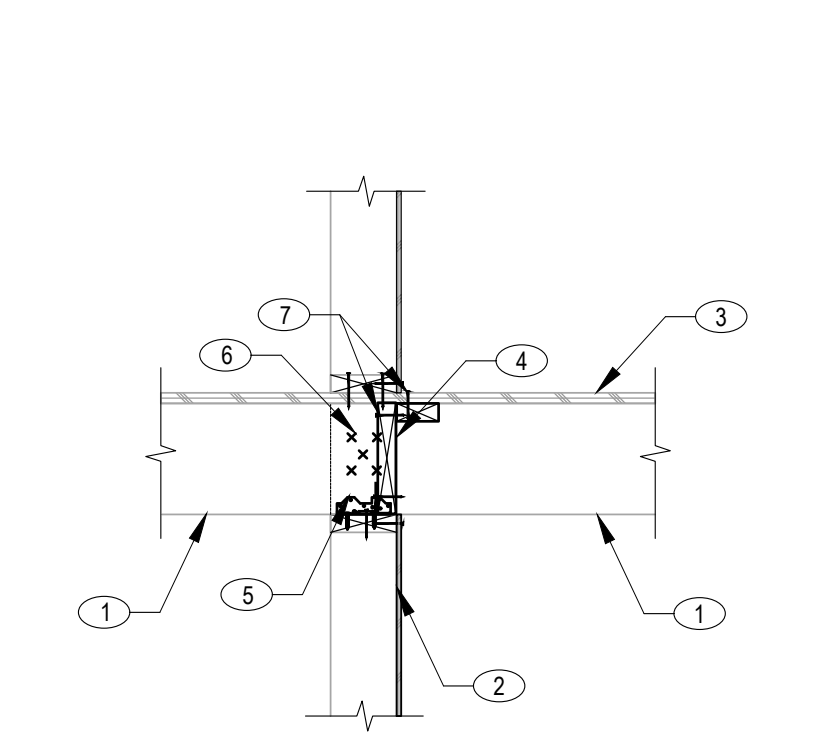
12 NOT USED  
SS.1 NO SCALE



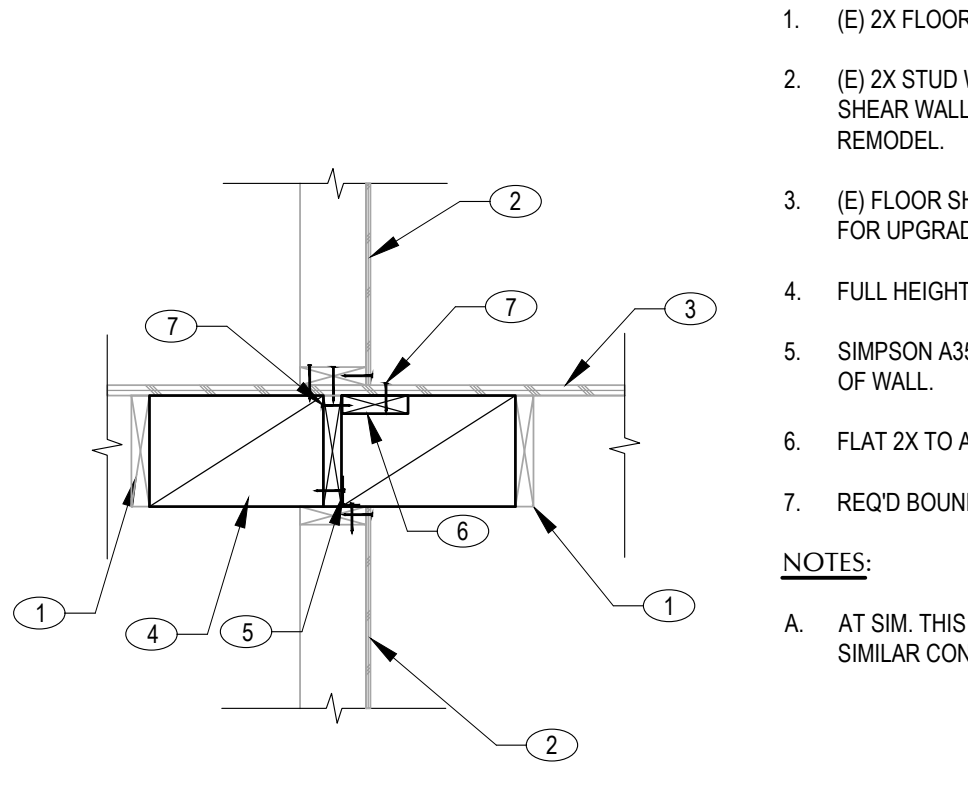
- KEYNOTES:**
- (E) 2X FLOOR JOISTS
  - (E) 2X STUD WALL, PROVIDE SHEATHING FOR SHEAR WALLS DURING FUTURE INTERIOR REMODEL.
  - (E) FLOOR SHEATHING, SEE PLAN AND SCHEDULE FOR UPGRADE
  - FULL HEIGHT 2X BLOCKING BETWEEN JOISTS.
  - SIMPSON A35 CLIP FROM JOISTS INTO TOP PLATE OF WALL.
  - FLAT 2x TO ACCEPT BOUNDARY NAILING
  - REQ'D BOUNDARY NAILING
  - SIMPSON A34 CLIP EACH 2X JOIST BEARING ON WALL



- KEYNOTES:**
- REQ'D BOUNDARY NAILING
  - (E) FLOOR SHEATHING.
  - SIMPSON LTT131 W/ 5/8" TENSION BOLT AT EVERY JOIST, SEE EMBEDMENT SCHEDULE. PROVIDE 2x JOIST DEPTH BLOCK BEHIND
  - (E) 3-WYTH BRICK WALL
  - 3x BLOCKING BETWEEN EACH JOIST WITH (2) 5/8" SHEAR BOLTS PER BLOCK, SEE EMBEDMENT SCHEDULE
  - (E) FLOOR JOIST



- KEYNOTES:**
- (E) 2X FLOOR JOISTS
  - (E) 2X STUD WALL, PROVIDE SHEATHING FOR SHEAR WALLS DURING FUTURE INTERIOR REMODEL.
  - (E) FLOOR SHEATHING
  - FULL HEIGHT 2X BLOCKING BETWEEN JOISTS. PROVIDE SIMPSON LS50 CLIP EACH BLOCK.
  - SIMPSON A35 CLIP FROM JOISTS ONTO TOP PLATE OF WALL.
  - PROVIDE NAILED CONNECTION BETWEEN JOISTS IF NOT PRESENT.
  - REQ'D BOUNDARY NAILING
- NOTES:**
- AT SIM THIS OCCURS ON ONE SIDE ONLY. FOLLOW SIMILAR CONNECTIONS ON ONE SIDE.



- KEYNOTES:**
- (E) 2X FLOOR JOISTS
  - (E) 2X STUD WALL, PROVIDE SHEATHING FOR SHEAR WALLS DURING FUTURE INTERIOR REMODEL.
  - (E) FLOOR SHEATHING, SEE PLAN AND SCHEDULE FOR UPGRADE
  - FULL HEIGHT 2X BLOCKING BETWEEN JOISTS.
  - SIMPSON A35 CLIP FROM JOISTS INTO TOP PLATE OF WALL.
  - FLAT 2x TO ACCEPT BOUNDARY NAILING
  - REQ'D BOUNDARY NAILING
- NOTES:**
- AT SIM THIS OCCURS ON ONE SIDE ONLY. FOLLOW SIMILAR CONNECTION ON ONE SIDE ONLY

13 JOIST TO WALL CONNECTION @ WOOD WALL  
SS.1 NO SCALE

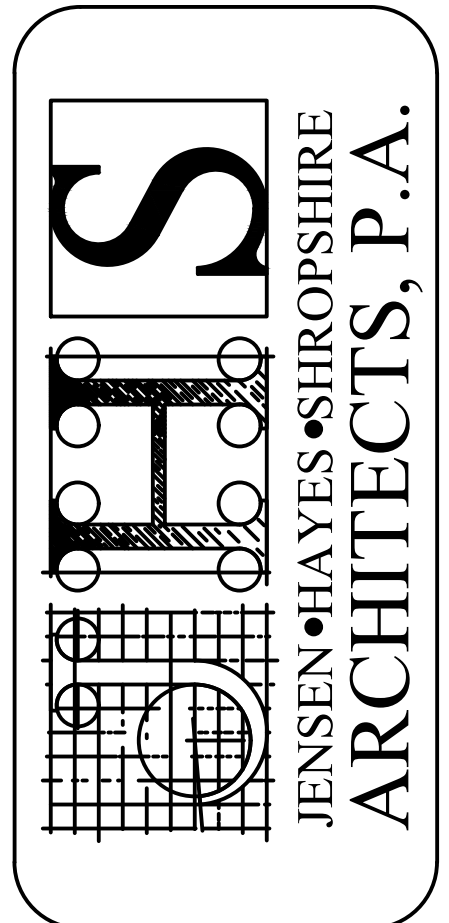
14 JOIST TO WALL CONNECTION  
SS.1 NO SCALE

15 JOIST TO WALL CONNECTION @ WOOD WALL  
SS.1 NO SCALE

16 JOIST TO WALL CONNECTION @ WOOD WALL  
SS.1 NO SCALE



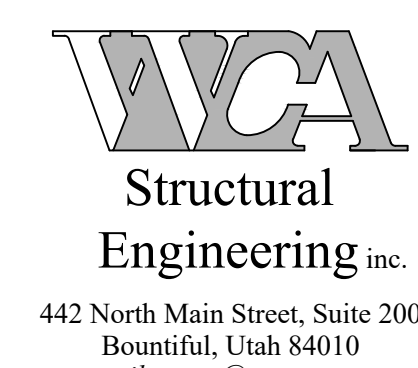
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MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD IDAHO  
TITLE, VICINITY MAP, INDEX OF DRAWINGS,  
CODE REVIEW & SYMBOLS

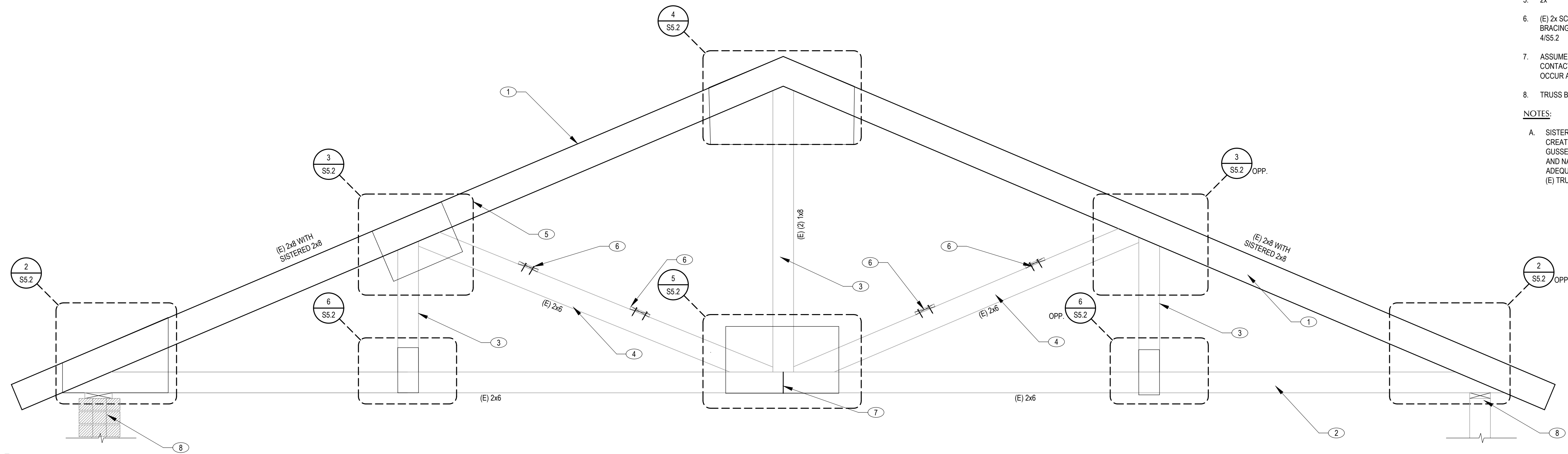
REVISIONS:


DATE: OCT 22  
DRAWING NO. S5.1  
JOB NO. 22188  
1 OF 13



442 North Main Street, Suite 200  
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FILE NAME: 2214-Malad Chapel Remodel.pia  
UPDATE: 10/28/22  
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1 TRUSS TR-1 UPGRADE  
S5.2 NO SCALE

**KEYNOTES:**

1. (E) TRUSS TOP CHORD. SISTER W/ ADDITIONAL 2x AS REQ'D FOR SNOW DRIFT. SEE PLANS.
2. (E) TRUSS BOTTOM CHORD
3. (E) (2) TRUSS WEB
4. (E) 2x TRUSS WEB
5. 2x
6. (E) 2x SCISSOR BRACING. PROVIDE BRACING IF NOT PRESENT. DETAIL 4/SS.2
7. ASSUMED SPLICE LOCATIONS. CONTACT EOR IF SPLICE DOES NOT OCCUR AT THIS LOCATION.
8. TRUSS BEARING LOCATION

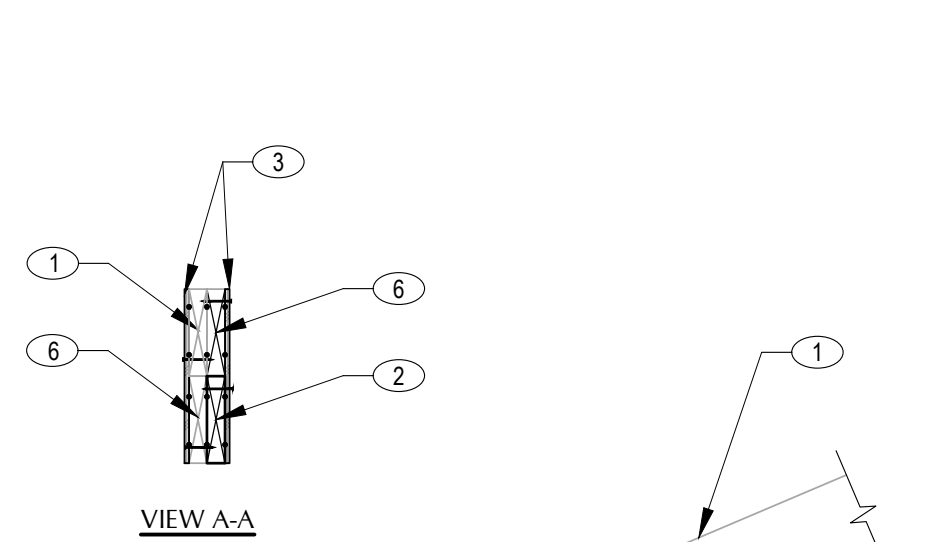
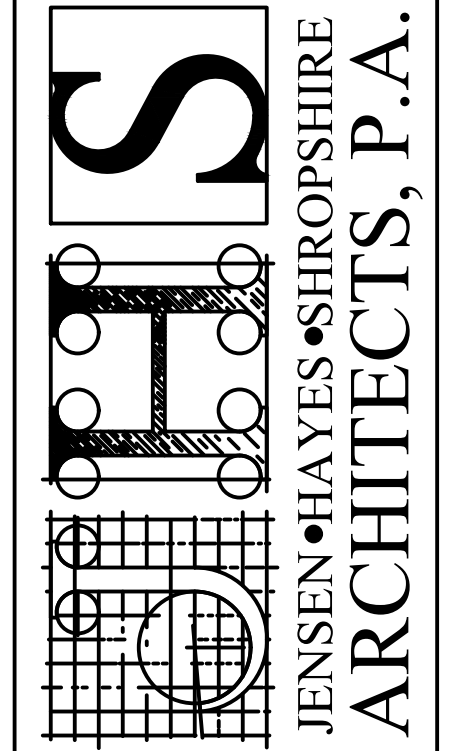
**NOTES:**

- A. SISTER NEW WOOD BLOCKING TO CREATE FLUSH PLANE TO APPLY GUSSET PLATES. APPLY SIM. GLUE AND NAILING TO THE NEW BLOCK TO ADEQUATELY TRANSFER FORCES TO (E) TRUSS.



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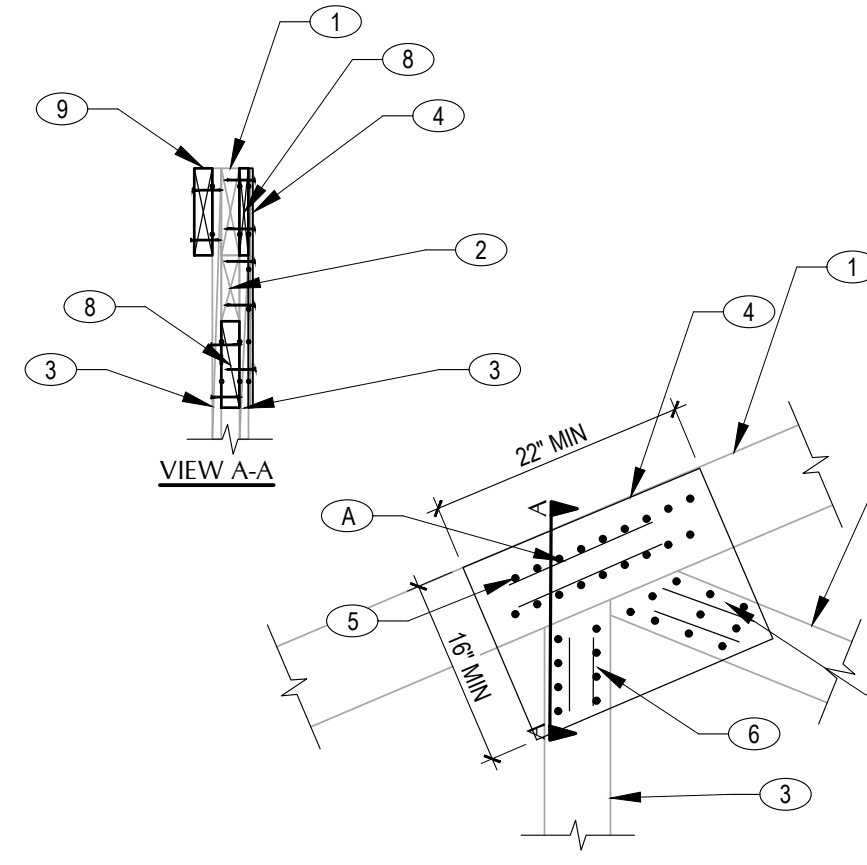
2 TOP CHORD TO BOTTOM CHORD CONNECTION  
S5.2 NO SCALE

**KEYNOTES:**

1. (E) 2x TRUSS TOP CHORD
2. (E) 2x TRUSS BOTTOM CHORD
3. 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
4. PROVIDE A MIN. OF (7) 10d NAILS INTO TOP CHORD.
5. PROVIDE A MIN. OF (7) 10d NAILS INTO TRUSS BOTTOM CHORD.
6. 2x WOOD BLOCK OR REQ'D SISTER FOR SNOW DRIFT.

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.



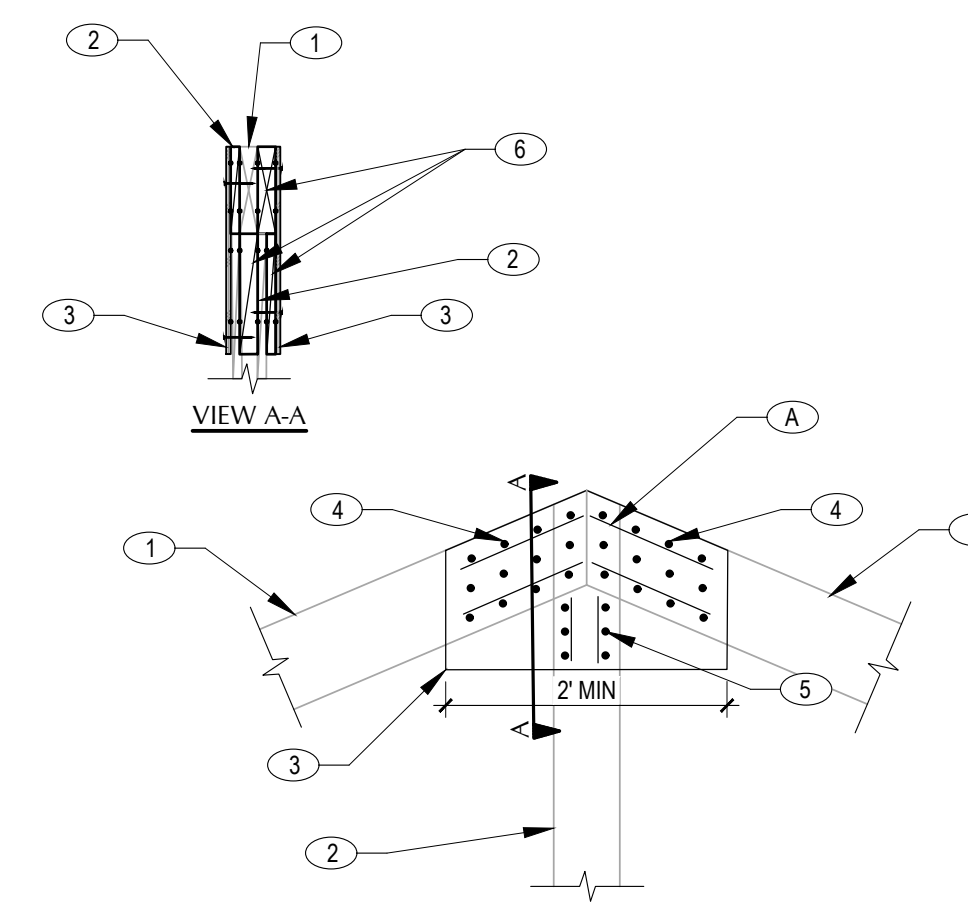
3 TRUSS TOP CHORD TO WEB CONNECTION  
S5.2 NO SCALE

**KEYNOTES:**

1. (E) 2x TRUSS TOP CHORD.
2. (E) 2x TRUSS WEB.
3. (E) (2) 1x TRUSS WEBS.
4. 5/8" PLYWOOD SHAPED GUSSET ONE SIDE
5. PROVIDE A MIN. OF (18) 10d NAILS INTO TOP CHORD.
6. PROVIDE A MIN. OF (8) 10d NAILS INTO TRUSS WEB.
7. PROVIDE A MIN. OF (10) 10d NAILS INTO TRUSS WEB.
8. WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS
9. ADDITIONAL SISTER FOR SNOW DRIFT IF REQ'D. NAIL W/ 10d NAILS @ 3" C. STAGGERED. GLUE W/ (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE FOR 2' BEFORE AND AFTER INTERSECTION WITH WEBS OR BOTTOM CHORD.

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.



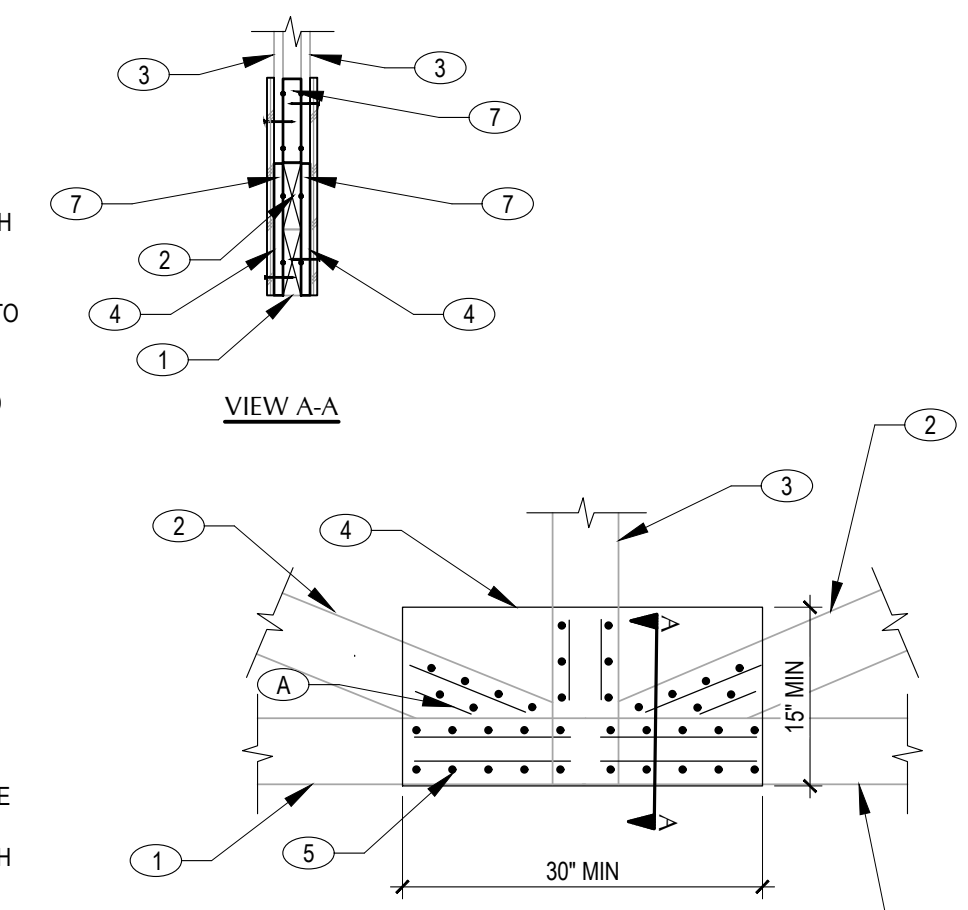
4 TRUSS RIDGE CONNECTION  
S5.2 NO SCALE

**KEYNOTES:**

1. (E) 2x TRUSS TOP CHORD
2. (E) (2) 1x TRUSS WEB
3. 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
4. PROVIDE A MIN. OF (12) 10d NAILS INTO TOP CHORD.
5. PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB.
6. WOOD BLOCK OR REQ'D SISTER FOR SNOW DRIFT.

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.



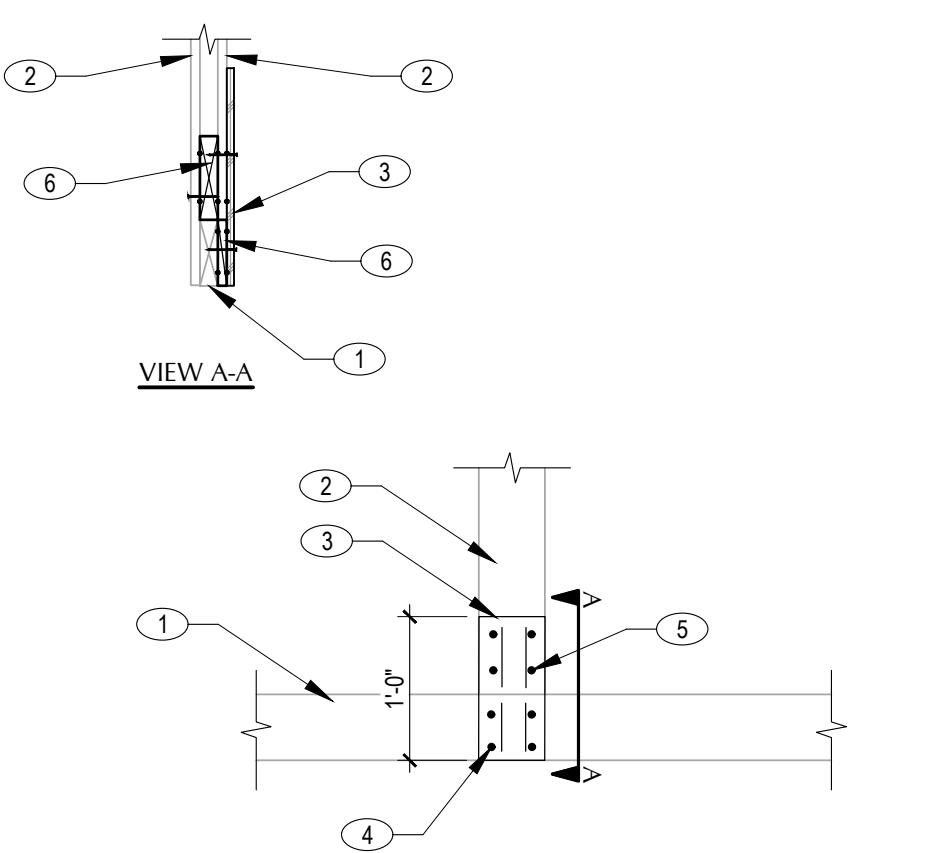
5 TRUSS BOTTOM CHORD CONNECTION  
S5.2 NO SCALE

**KEYNOTES:**

1. (E) 2x TRUSS BOTTOM CHORD.
2. (E) 2x TRUSS WEB.
3. (E) (2) 1x TRUSS WEBS.
4. 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
5. PROVIDE A MIN. OF (10) 10d NAILS INTO BOTTOM CHORD.
6. PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB.
7. WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.



6 DETAIL  
S5.2 NO SCALE

**KEYNOTES:**

1. (E) 2x TRUSS BOTTOM CHORD.
2. (E) (2) 1x TRUSS WEBS.
3. 5/8" PLYWOOD SHAPED GUSSET ONE SIDE
4. PROVIDE A MIN. OF (4) 10d NAILS INTO BOTTOM CHORD.
5. PROVIDE A MIN. OF (4) 10d NAILS INTO TRUSS WEB.
6. WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.

MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD IDAHO

TITLE, VICINITY MAP, INDEX OF DRAWINGS,  
CODE REVIEW & SYMBOLS

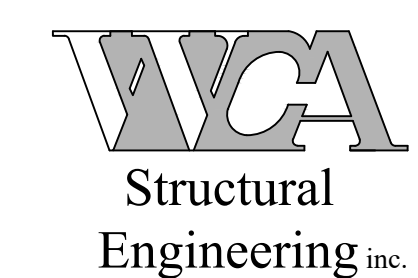
**REVISIONS:**


DATE:  
OCT 22

DRAWING NO.  
**S5.2**

JOB NO.  
22188

1 OF 13

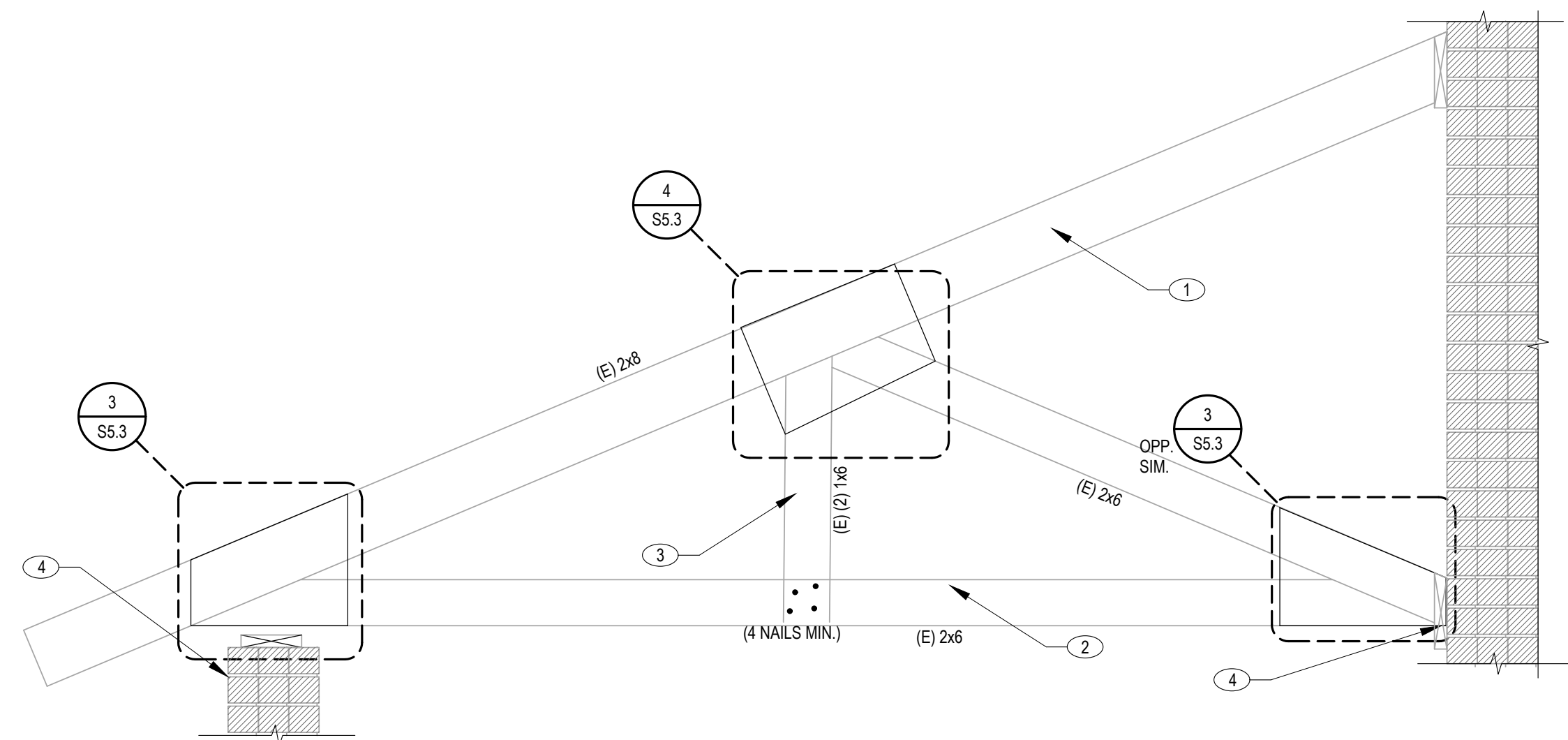


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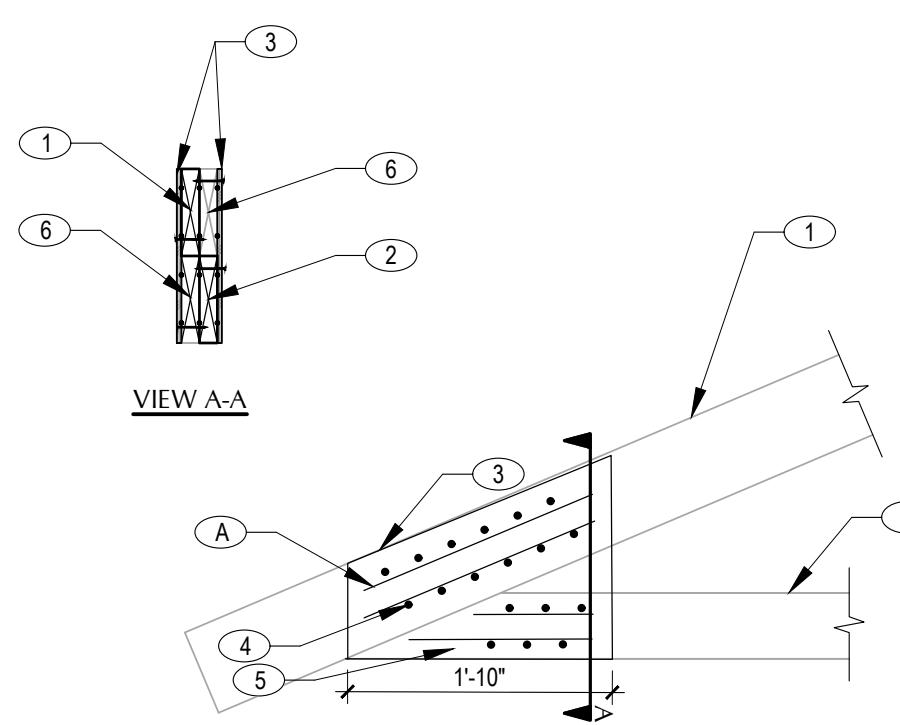
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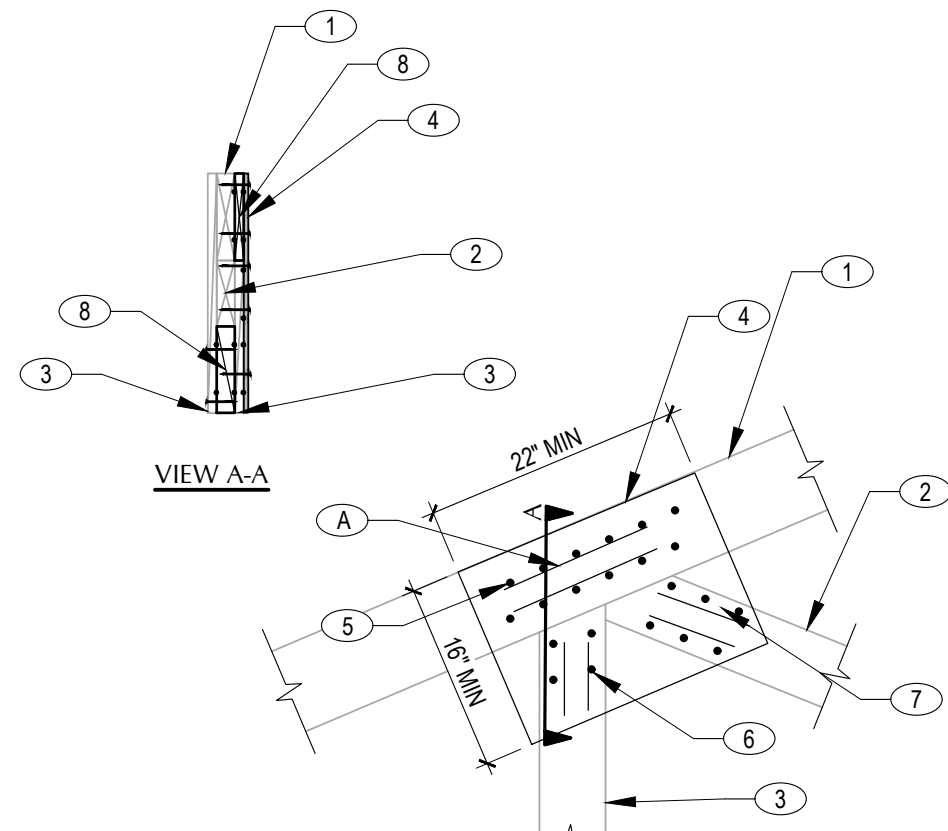
- KEYNOTES:**
- (E) TRUSS TOP CHORD
  - (E) TRUSS BOTTOM CHORD
  - (E) TRUSS WEB
  - TRUSS BEARING LOCATIONS
- NOTES:**
- SISTER NEW WOOD MEMBERS TO CREATE FLUSH PLANE TO APPLY GUSSET PLATES. APPLY SIM. GLUE AND NAILING TO THE NEW SISTER TO ADEQUATELY TRANSFER FORCES TO (E) TRUSS.
  - NO SPLICES WERE ASSUMED TO OCCUR IN THIS TRUSS. CONTACT EOR IF SPLICES IN CHORDS OR WEBS ARE LOCATED.

1 TRUSS TR-2 UPGRADE  
SS.3 NO SCALE



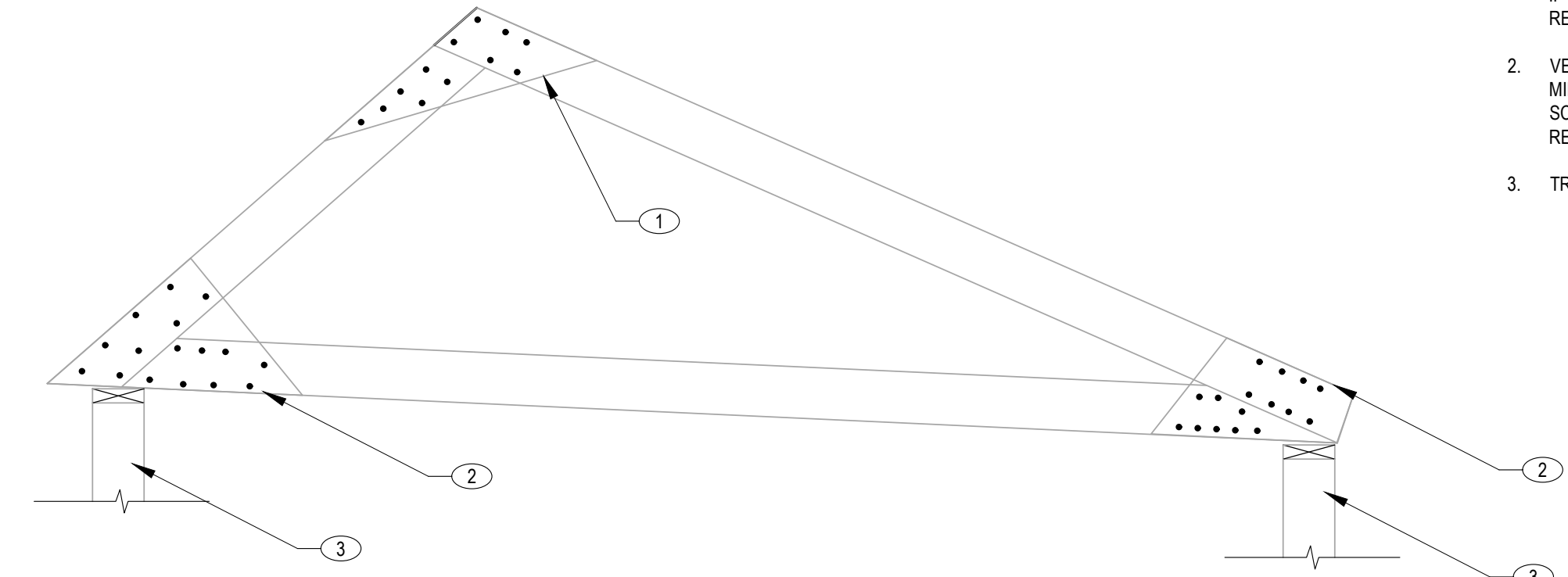
- KEYNOTES:**
- (E) 2x TRUSS TOP CHORD
  - (E) 2x TRUSS BOTTOM CHORD
  - 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
  - PROVIDE A MIN. OF (6) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS BOTTOM CHORD.
  - WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS
- NOTES:**
- PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.
  - NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.
  - AT SIM. BEARING CONDITION VARIES

3 TRUSS BOTTOM TO TOP CHORD CONNECTION  
SS.3 NO SCALE



- KEYNOTES:**
- (E) 2x TRUSS TOP CHORD.
  - (E) 2x TRUSS WEB.
  - (E) (2) 1x TRUSS WEBS.
  - 5/8" PLYWOOD SHAPED GUSSET ONE SIDE
  - PROVIDE A MIN. OF (10) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (4) 10d NAILS INTO TRUSS WEB.
  - PROVIDE A MIN. OF (6) 10D NAILS INTO TRUSS WEB.
  - WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS
- NOTES:**
- PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.

4 DETAIL  
SS.3 NO SCALE



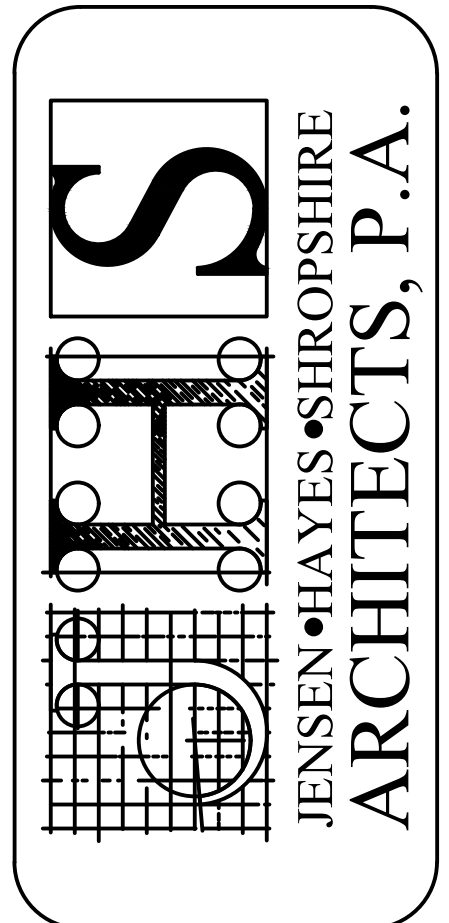
- KEYNOTES:**
- VERIFY CONNECTION IS (1) 1x SCAB W/ A MIN. OF (6) 8D NAILS INTO EACH SIDE. IF SCAB SHOWS SIGNS OF CRACKING REPLACE WITH 5/8" PLYWOOD GUSSET.
  - VERIFY CONNECTION IS (1) 1x SCAB W/ A MIN. OF (8) 8D NAILS INTO EACH SIDE. IF SCAB SHOWS SIGNS OF CRACKING REPLACE WITH 5/8" PLYWOOD GUSSET.
  - TRUSS BEARING LOCATIONS

2 TRUSS TR-3 UPGRADE  
SS.3 NO SCALE



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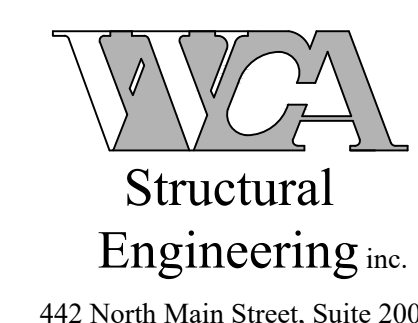


MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD IDAHO

TITLE, VICINITY MAP, INDEX OF DRAWINGS,  
CODE REVIEW & SYMBOLS

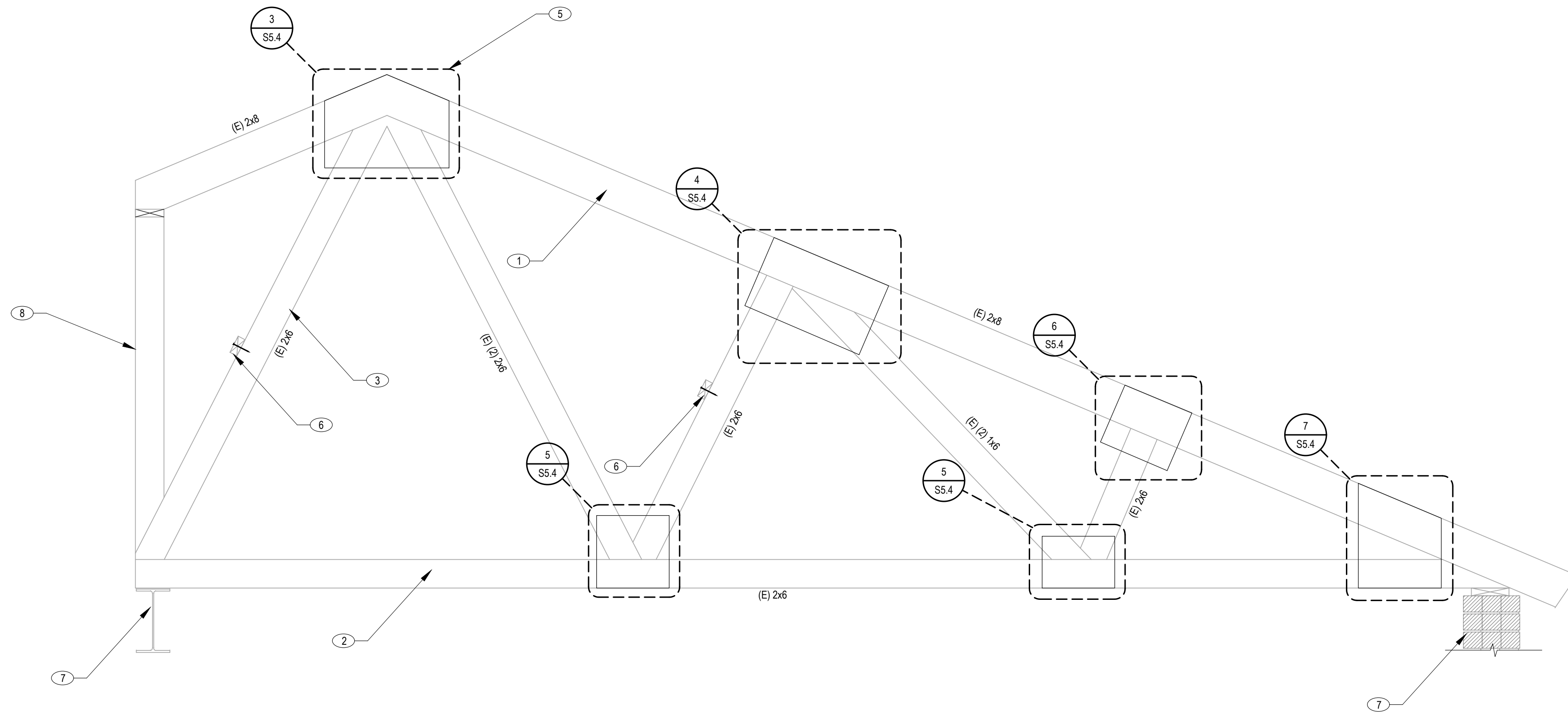
REVISIONS:


DATE: OCT 22	DRAWING NO. <b>SS.3</b>
JOB NO. 22188	1 OF 13



442 North Main Street, Suite 200  
Boamiful, Utah 84010  
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FILE NAME: 2214-Malad Chapel Remodel.pla  
UPDATE: 10/26/22  
DRAWN BY: IH



**KEYNOTES:**

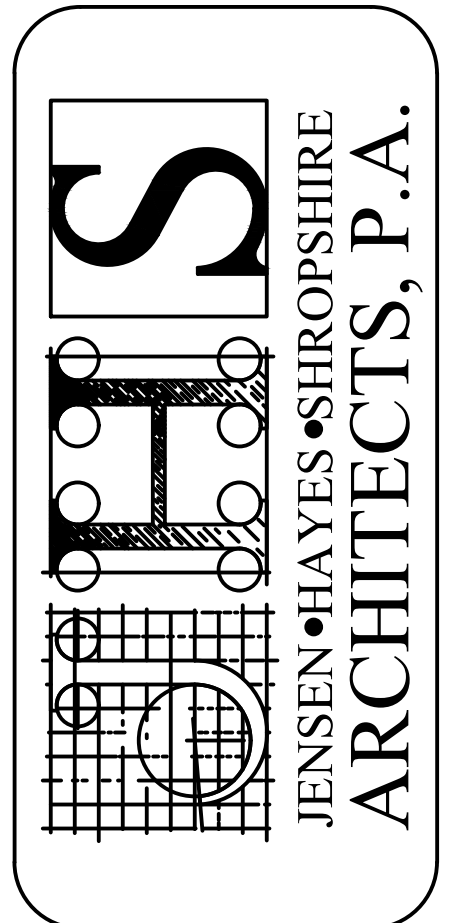
1. (E) 2x TRUSS TOP CHORD.
2. (E) 2x TRUSS BOTTOM CHORD
3. (E) (2) 1x TRUSS WEB
4. (E) 2x TRUSS WEB
5. TRUSS UPGRADES. SEE SPECIFIC DETAILS FOR UPGRADES.
6. 2X SCISSOR BRACING. SEE DETAIL 4/SS.1
7. TRUSS BEARING LOCATION
8. 2X STUD WALL

**NOTES:**

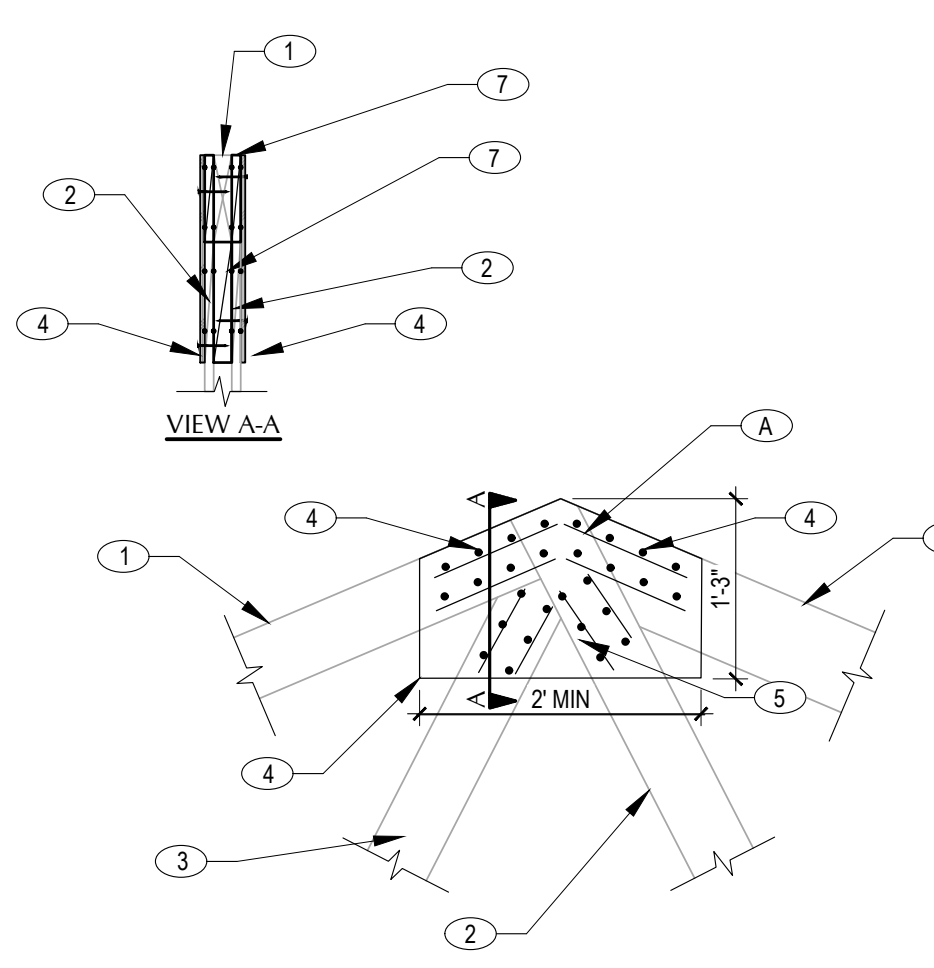
- A. SISTER NEW WOOD MEMBERS TO CREATE FLUSH PLANE TO APPLY GUSSET PLATES. APPLY SIM. GLUE AND NAILING TO THE NEW SISTER TO ADEQUATELY TRANSFER FORCES TO (E) TRUSS.
- B. NO ASSUMED SPLICE LOCATIONS. CONTACT EOR IF SPLICES ARE LOCATED.



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**1 TRUSS TR-4 UPGRADE**  
 SS.4 NO SCALE

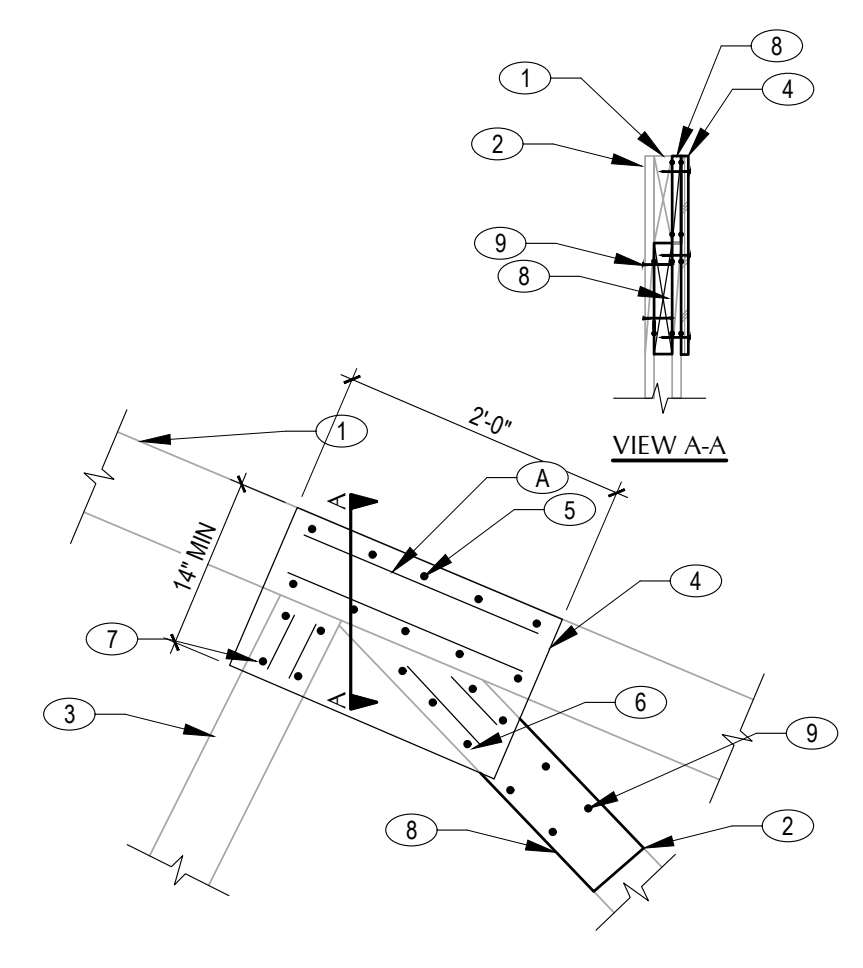


**KEYNOTES:**

1. (E) 2x TRUSS TOP CHORD
2. (E) (2) 1x TRUSS WEB
3. (E) 2x TRUSS WEB
4. 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
5. PROVIDE A MIN. OF (8) 10d NAILS INTO TOP CHORD.
6. PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB.
6. WOOD FILLER TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.

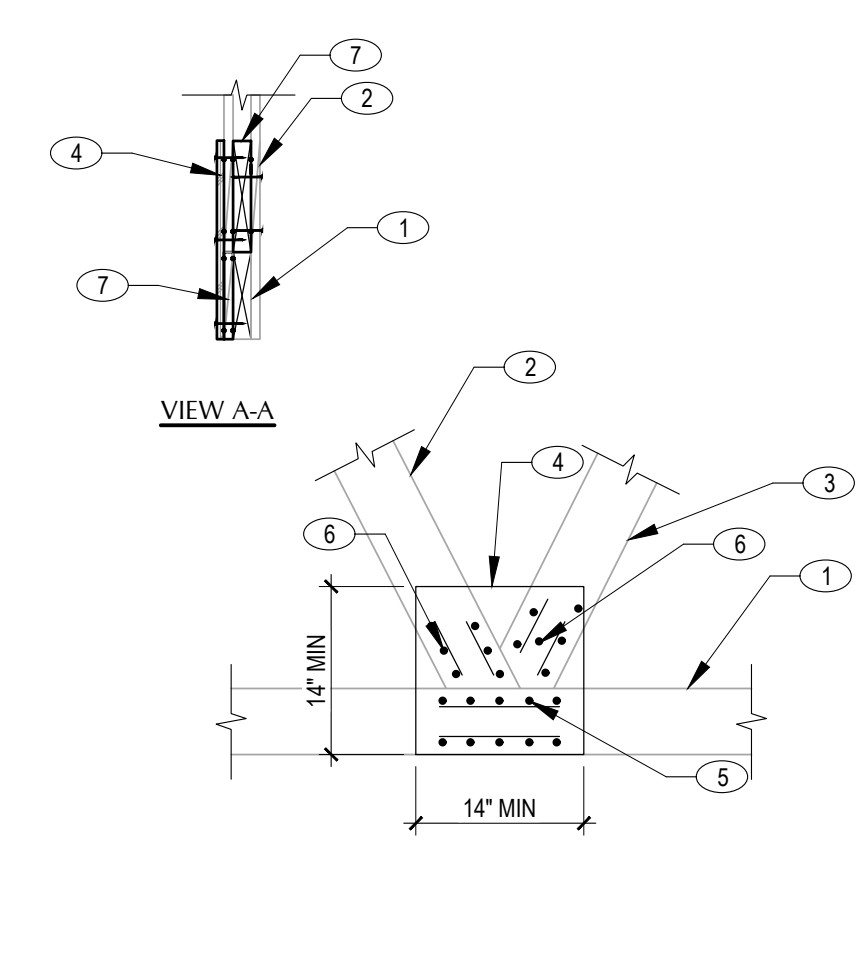


**KEYNOTES:**

1. (E) 2x TRUSS TOP CHORD
2. (E) (2) 1x TRUSS WEB
3. (E) 2x TRUSS WEB
4. 5/8" PLYWOOD SHAPED GUSSET ONE SIDE
5. PROVIDE A MIN. OF (10) 10d NAILS INTO TOP CHORD.
6. PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB.
7. PROVIDE A MIN. OF (4) 10d NAILS INTO TRUSS WEB
8. WOOD FILLER TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS
9. 10d NAILS @ 3" O.C.

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.

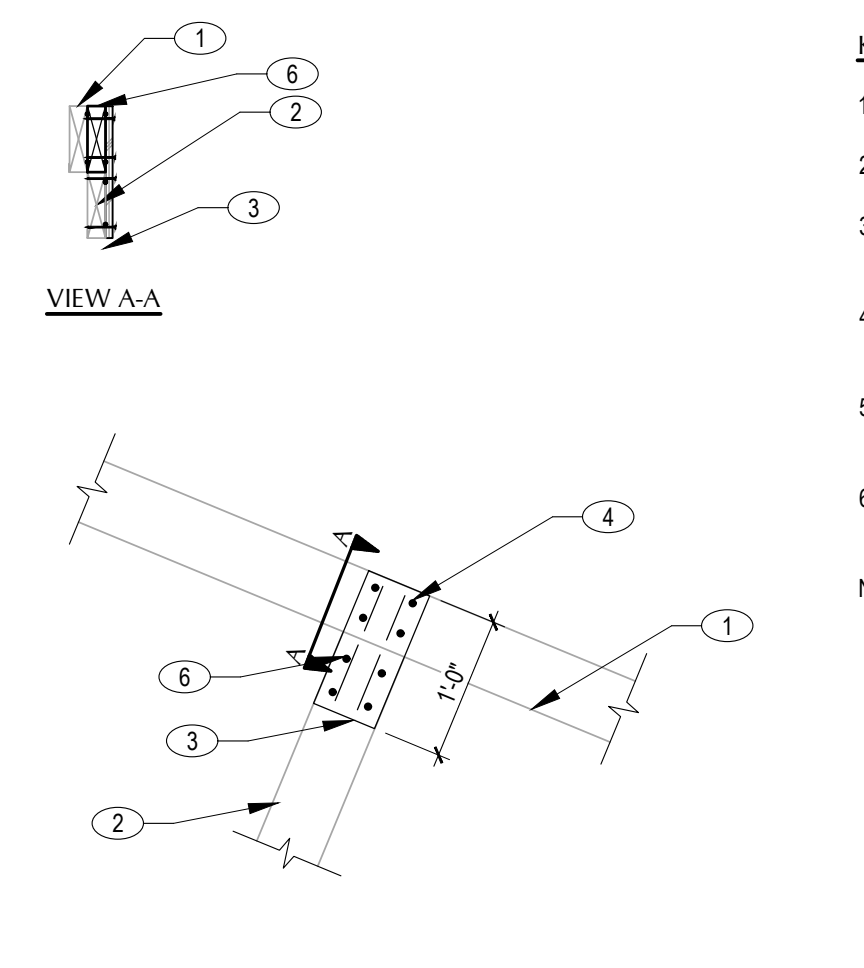


**KEYNOTES:**

1. (E) 2x TRUSS BOTTOM CHORD
2. (E) (2) 1x TRUSS WEB
3. (E) 2x TRUSS WEB
4. 5/8" PLYWOOD SHAPED GUSSET ONE SIDE
5. PROVIDE A MIN. OF (10) 10d NAILS INTO BOTTOM CHORD.
6. PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB
7. WOOD FILLER TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.



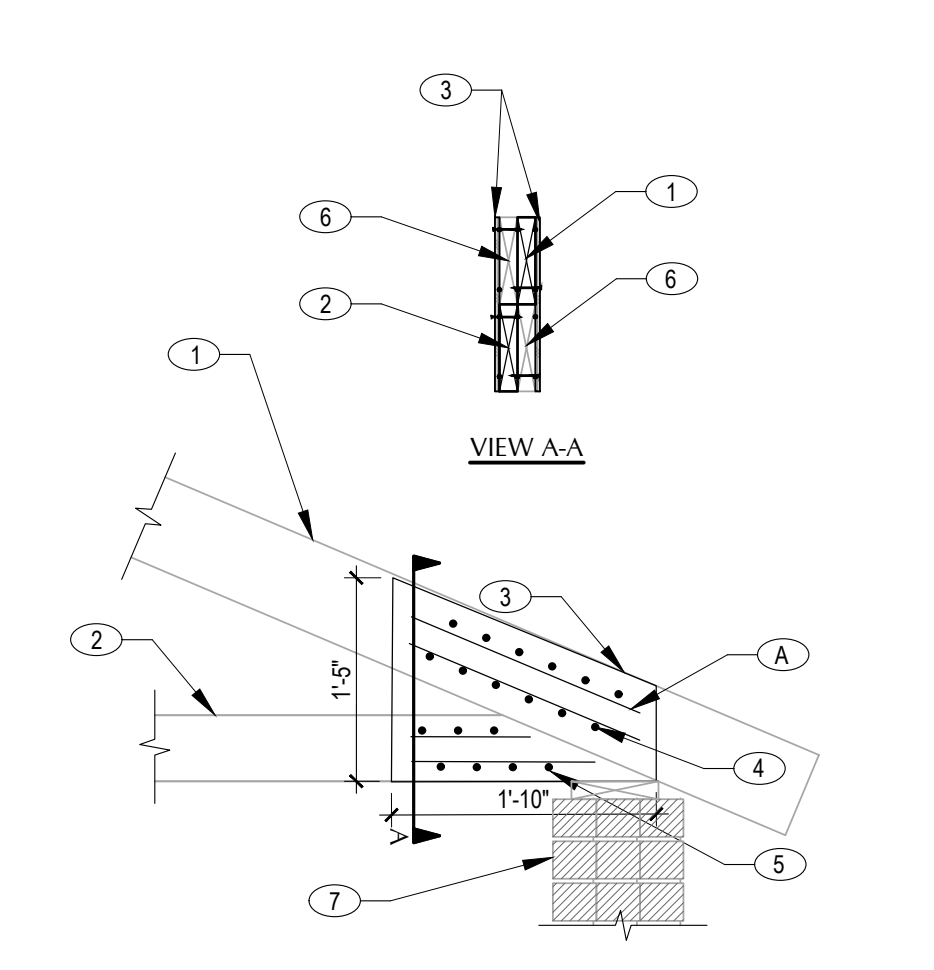
**KEYNOTES:**

1. (E) 2x TRUSS TOP CHORD.
2. (E) 2x TRUSS WEBS.
3. 5/8" PLYWOOD SHAPED GUSSET ONE SIDE
4. PROVIDE A MIN. OF (4) 10d NAILS INTO TOP CHORD.
5. PROVIDE A MIN. OF (4) 10d NAILS INTO TRUSS WEB.
6. WOOD FILLER TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK

**3 DETAIL**  
 SS.4 NO SCALE



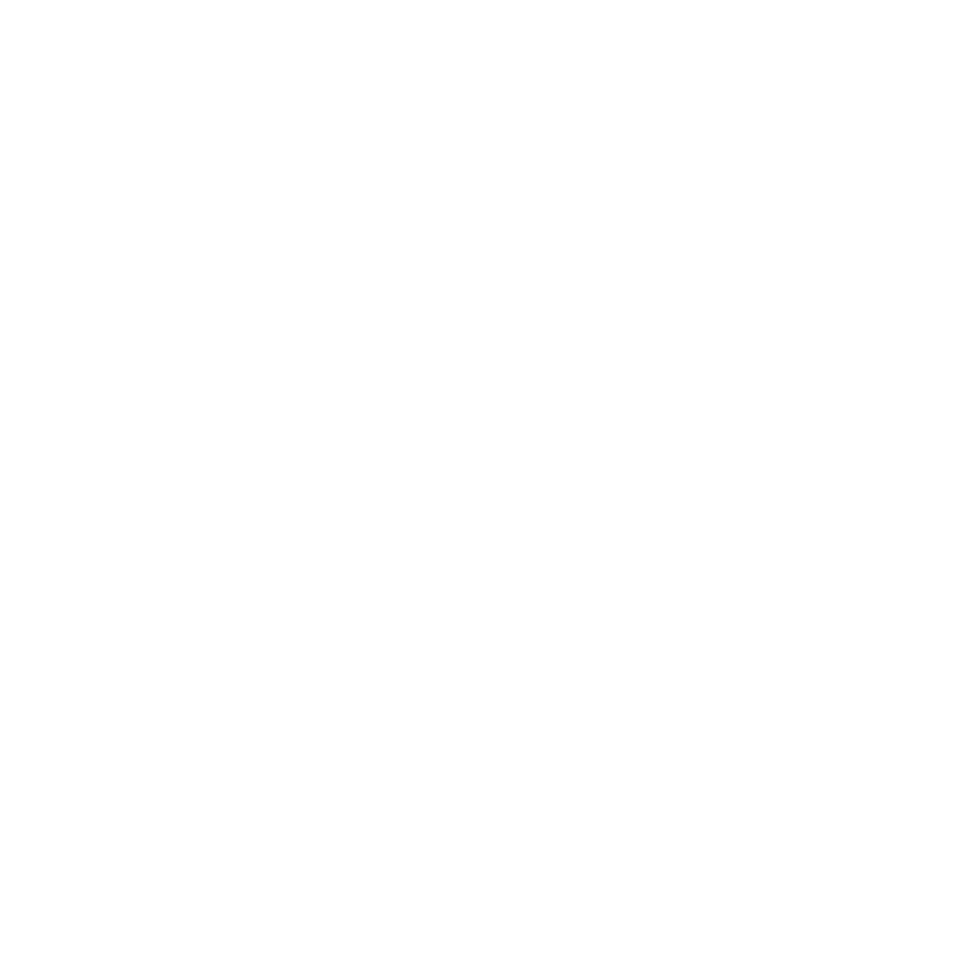
**KEYNOTES:**

1. (E) 2x TRUSS TOP CHORD
2. (E) 2x TRUSS BOTTOM CHORD
3. 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
4. PROVIDE A MIN. OF (7) 10d NAILS INTO TOP CHORD.
5. PROVIDE A MIN. OF (7) 10d NAILS INTO TRUSS BOTTOM CHORD.
6. WOOD FILLER TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS
7. (E) TRUSS BEARING LOCATION

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.

**4 DETAIL**  
 SS.4 NO SCALE



**5 DETAIL**  
 SS.4 NO SCALE



**6 DETAIL**  
 SS.4 NO SCALE



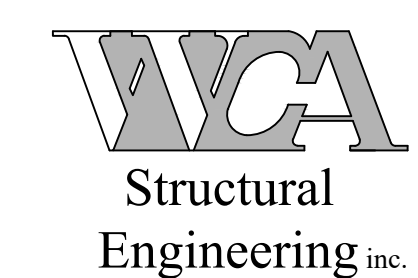
**7 DETAIL**  
 SS.4 NO SCALE



**MALAD CHAPEL REMODEL**  
 200 W. 400 N., MALAD IDAHO

**TITLE, VICINITY MAP, INDEX OF DRAWINGS,  
 CODE REVIEW & SYMBOLS**

REVISIONS:

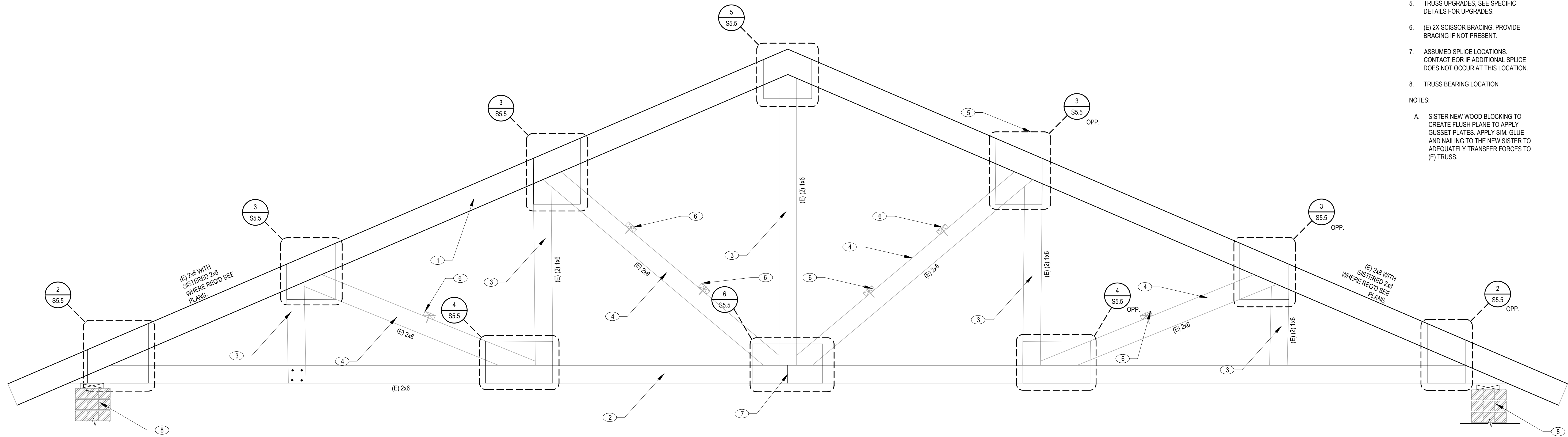



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 JOB NO. 22188  
 1 OF 13

FILE NAME: 2214-Malad Chapel Remodel.plt  
 UPDATE: 10/26/22  
 DRAWN BY: IH





**KEYNOTES:**

1. (E) TRUSS TOP CHORD, SISTER W/ ADDITIONAL 2x AS REQ'D FOR SNOW DRIFT, SEE PLANS.
2. (E) 2x TRUSS BOTTOM CHORD
3. (E) (2) 1x TRUSS WEB
4. (E) 2x TRUSS WEB
5. TRUSS UPGRADES, SEE SPECIFIC DETAILS FOR UPGRADES.
6. (E) 2x SCISSOR BRACING, PROVIDE BRACING IF NOT PRESENT.
7. ASSUMED SPLICE LOCATIONS. CONTACT EOR IF ADDITIONAL SPLICE DOES NOT OCCUR AT THIS LOCATION.
8. TRUSS BEARING LOCATION

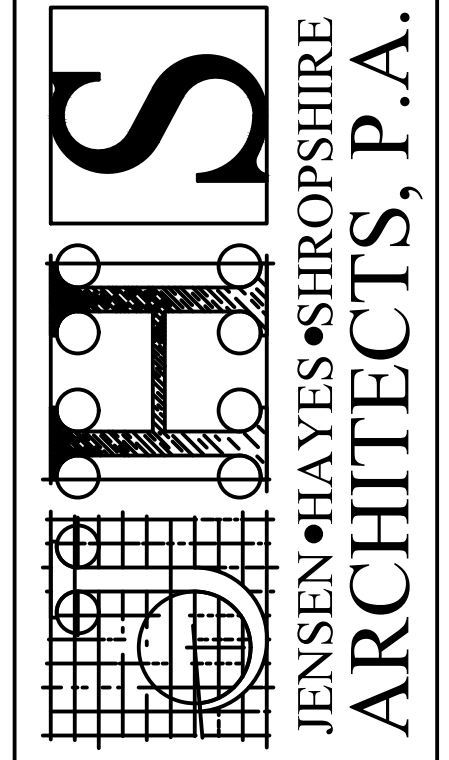
**NOTES:**

- A. SISTER NEW WOOD BLOCKING TO CREATE FLUSH PLANE TO APPLY GUSSET PLATES. APPLY SIM. GLUE AND NAILING TO THE NEW SISTER TO ADEQUATELY TRANSFER FORCES TO (E) TRUSS.



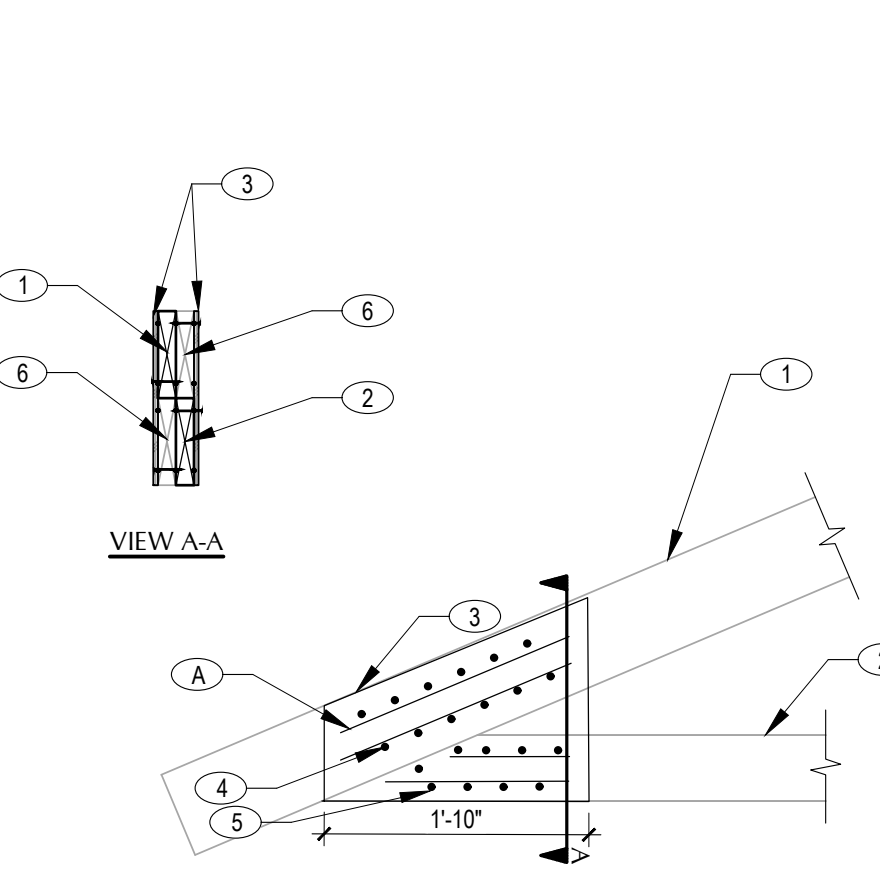
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**2 TRUSS TR-5 UPGRADE**

SS.5 NO SCALE

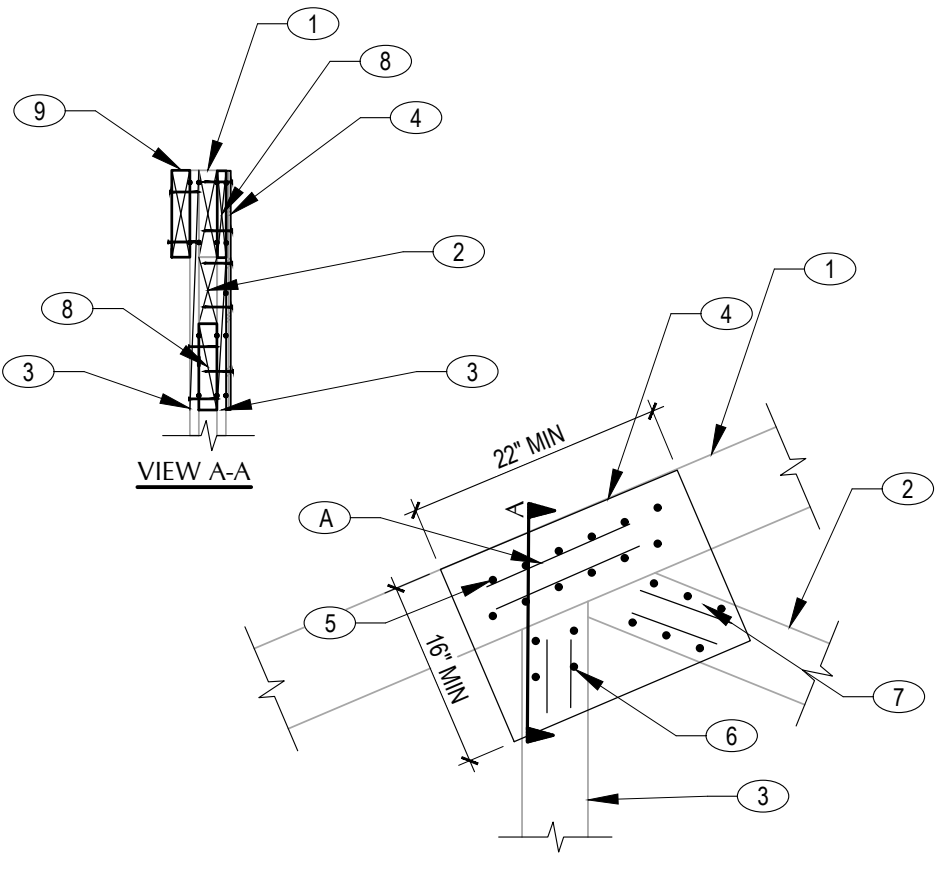


**KEYNOTES:**

1. (E) 2x TRUSS TOP CHORD
2. (E) 2x TRUSS BOTTOM CHORD
3. 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
4. PROVIDE A MIN. OF (9) 10d NAILS INTO TOP CHORD.
5. PROVIDE A MIN. OF (9) 10d NAILS INTO TRUSS BOTTOM CHORD.
6. 2x WOOD BLOCK OR REQ'D SISTER FOR SNOW DRIFT.

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.

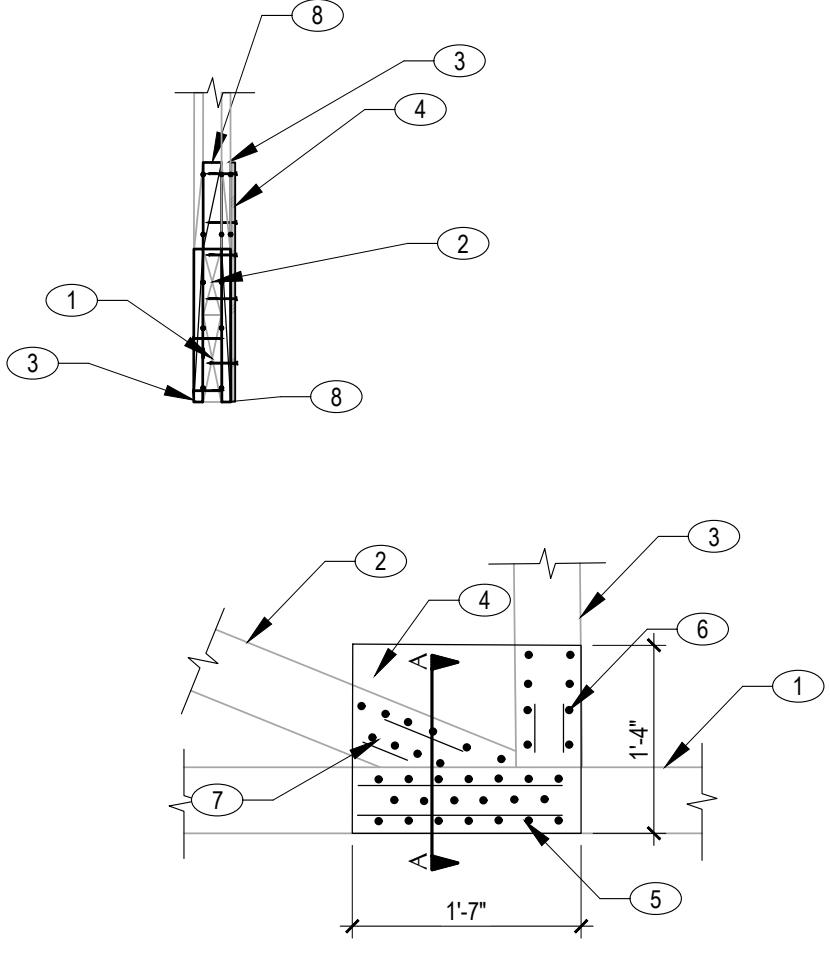


**KEYNOTES:**

1. (E) 2x TRUSS TOP CHORD.
2. (E) 2x TRUSS WEB.
3. (E) (2) 1x TRUSS WEBS.
4. 5/8" PLYWOOD SHAPED GUSSET ONE SIDE
5. PROVIDE A MIN. OF (10) 10d NAILS INTO TOP CHORD.
6. PROVIDE A MIN. OF (4) 10d NAILS INTO TRUSS WEB.
7. PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB.
8. WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS
9. ADDITIONAL SISTER FOR SNOW DRIFT IF REQ'D. NAIL W/ 10d NAILS @ 3" O.C. STAGGERED. GLUE W/ (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE FOR 2' BEFORE AND AFTER INTERSECTION WITH WEBS OR BOTTOM CHORD.

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK



**KEYNOTES:**

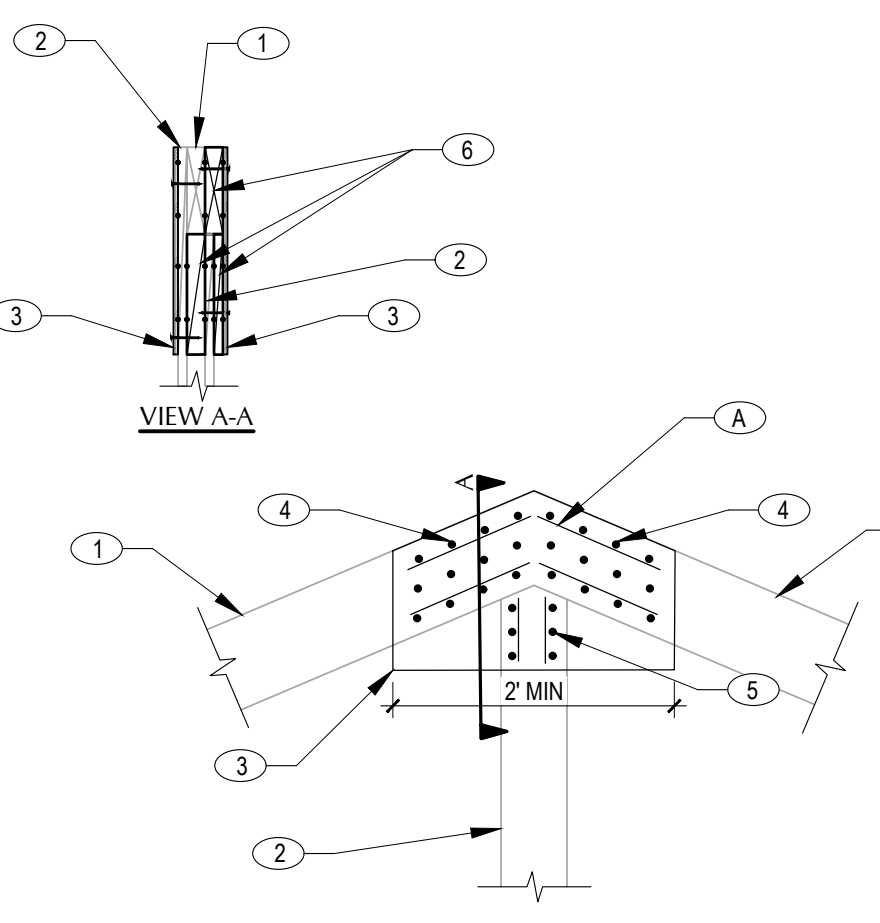
1. (E) 2x TRUSS BOTTOM CHORD.
2. (E) 2x TRUSS WEB.
3. (E) (2) 1x TRUSS WEBS.
4. 5/8" PLYWOOD SHAPED GUSSET ONE SIDE
5. PROVIDE A MIN. OF (18) 10d NAILS INTO BOTTOM CHORD.
6. PROVIDE A MIN. OF (8) 10d NAILS INTO TRUSS WEB.
7. PROVIDE A MIN. OF (10) 10d NAILS INTO TRUSS WEB.
8. WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK

**2 DETAIL**

SS.5 NO SCALE



**KEYNOTES:**

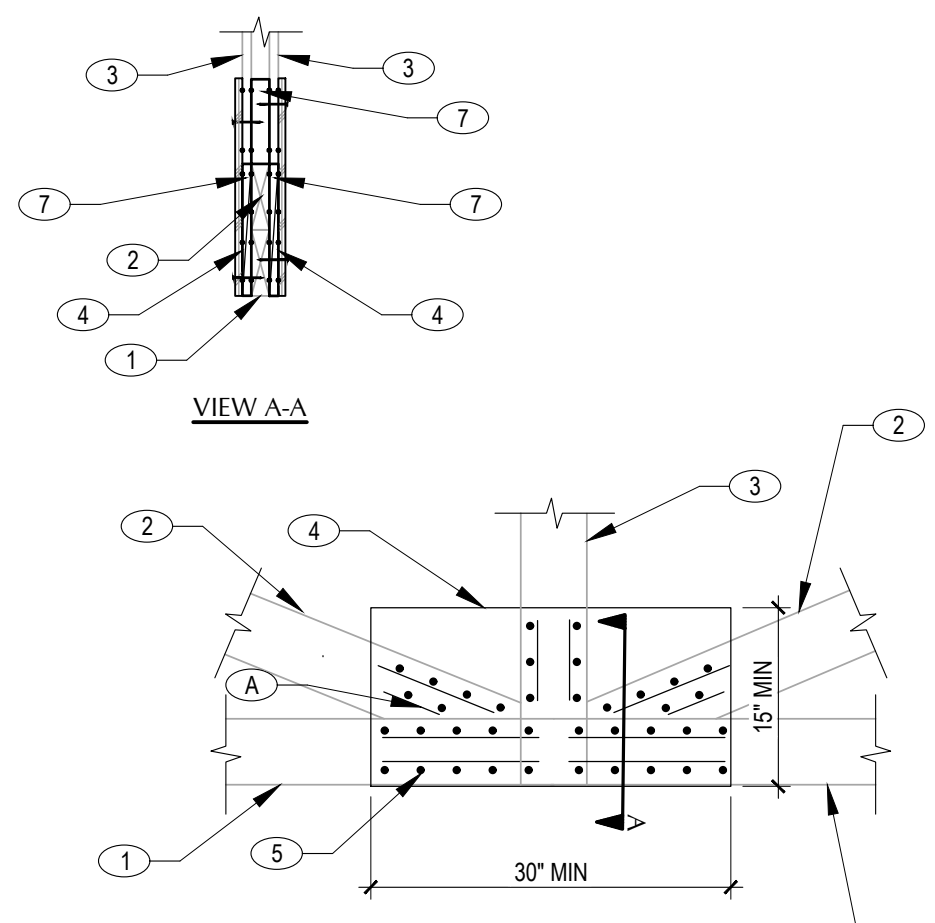
1. (E) 2x TRUSS TOP CHORD
2. (E) (2) 1x TRUSS WEB
3. 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
4. PROVIDE A MIN. OF (12) 10d NAILS INTO TOP CHORD.
5. PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB.
6. WOOD BLOCK OR REQ'D SISTER FOR SNOW DRIFT.

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.

**3 DETAIL**

SS.5 NO SCALE



**KEYNOTES:**

1. (E) 2x TRUSS BOTTOM CHORD.
2. (E) 2x TRUSS WEB.
3. (E) (2) 1x TRUSS WEBS.
4. 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
5. PROVIDE A MIN. OF (10) 10d NAILS INTO BOTTOM CHORD.
6. PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB.
7. WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS

**NOTES:**

- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.

**6 DETAIL**

SS.5 NO SCALE

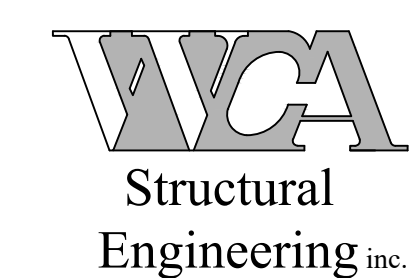
**7 DETAIL**

SS.5 NO SCALE

**MALAD CHAPEL REMODEL**  
 200 W. 400 N., MALAD IDAHO

**TITLE, VICINITY MAP, INDEX OF DRAWINGS,  
 CODE REVIEW & SYMBOLS**

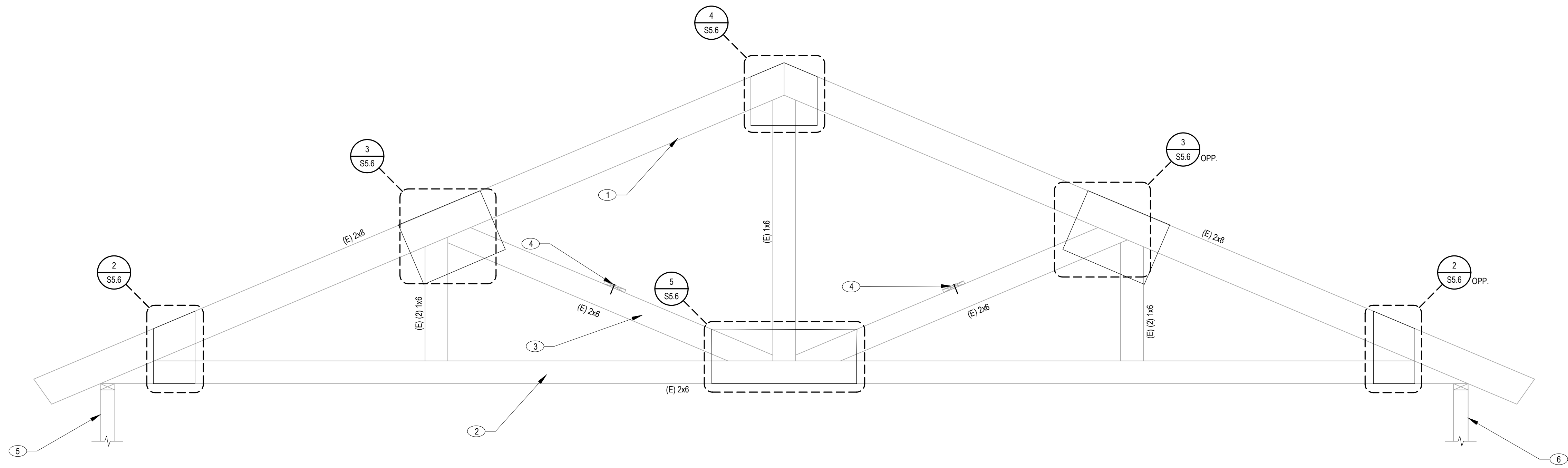
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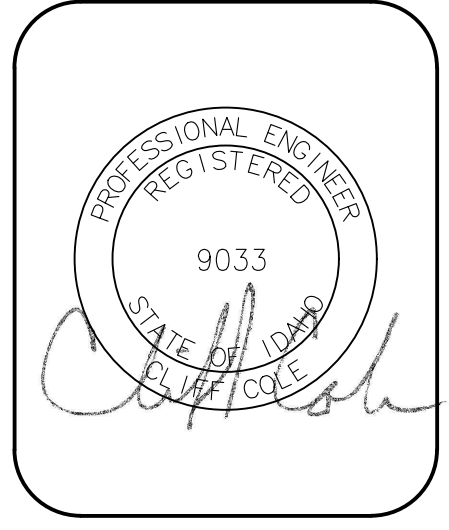
442 North Main Street, Suite 200  
 Bountiful, Utah 84010  
 e-mail: wca@wcaeng.com

DATE: OCT 22  
 DRAWING NO. **SS.5**  
 JOB NO. 22188  
 1 OF 13

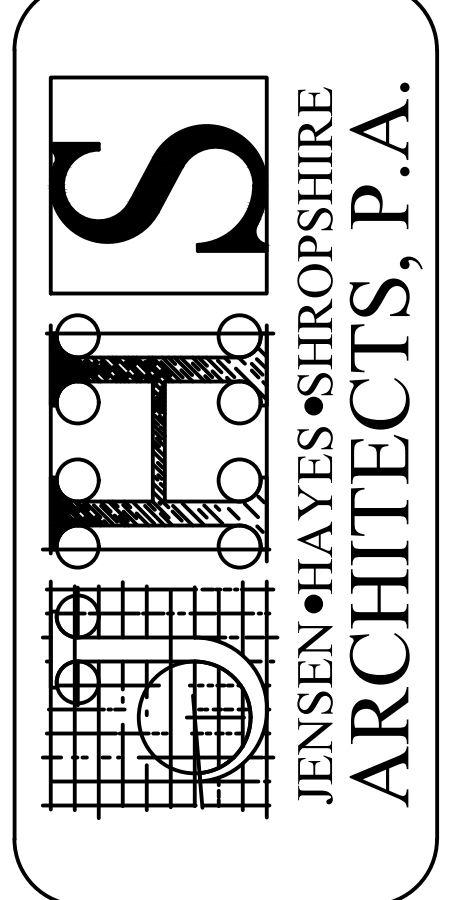
FILE NAME: 2214-Malad Chapel Remodel.pla  
 UPDATE: 10/26/22  
 DRAWN BY: IH



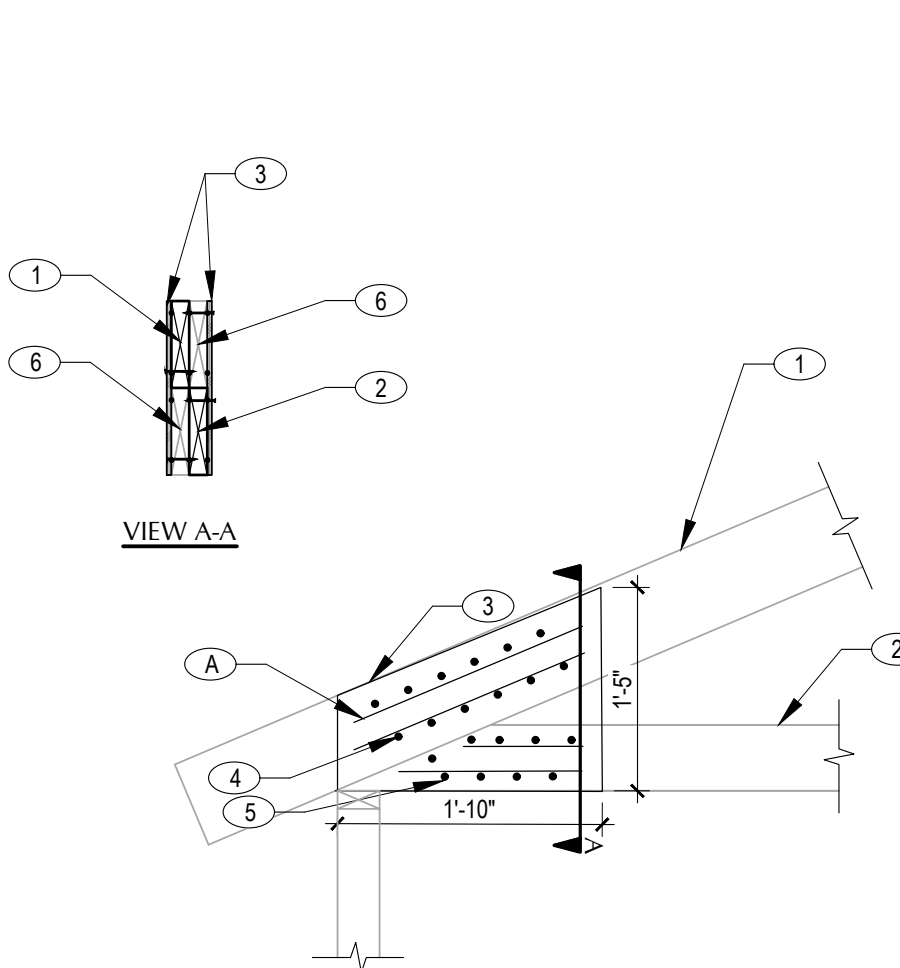
- KEYNOTES:**
- (E) TRUSS TOP CHORD
  - (E) TRUSS BOTTOM CHORD
  - (E) TRUSS WEB
  - (E) 2X SCISSOR BRACING. PROVIDE (N) BRACING IF NOT PRESENT. SEE DETAIL 4/S5.2
  - (E) BEARING LOACTION
- NOTES:**
- A. SISTER NEW WOOD MEMBERS TO CREATE FLUSH PLANE TO APPLY GUSSET PLATES. APPLY SIM. GLUE AND NAILING TO THE NEW SISTER TO ADEQUATELY TRANSFER FORCES TO (E) TRUSS.



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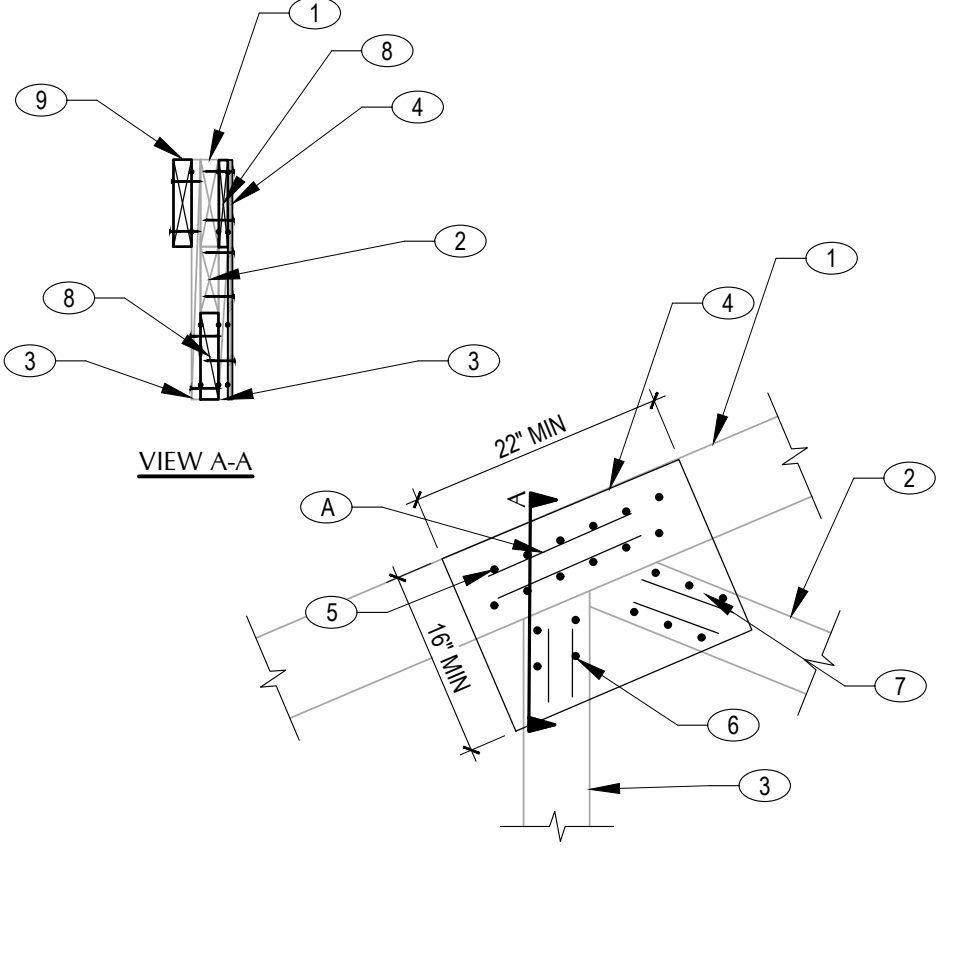


**1 TRUSS TR-6 UPGRADE**  
 S5.6 NO SCALE



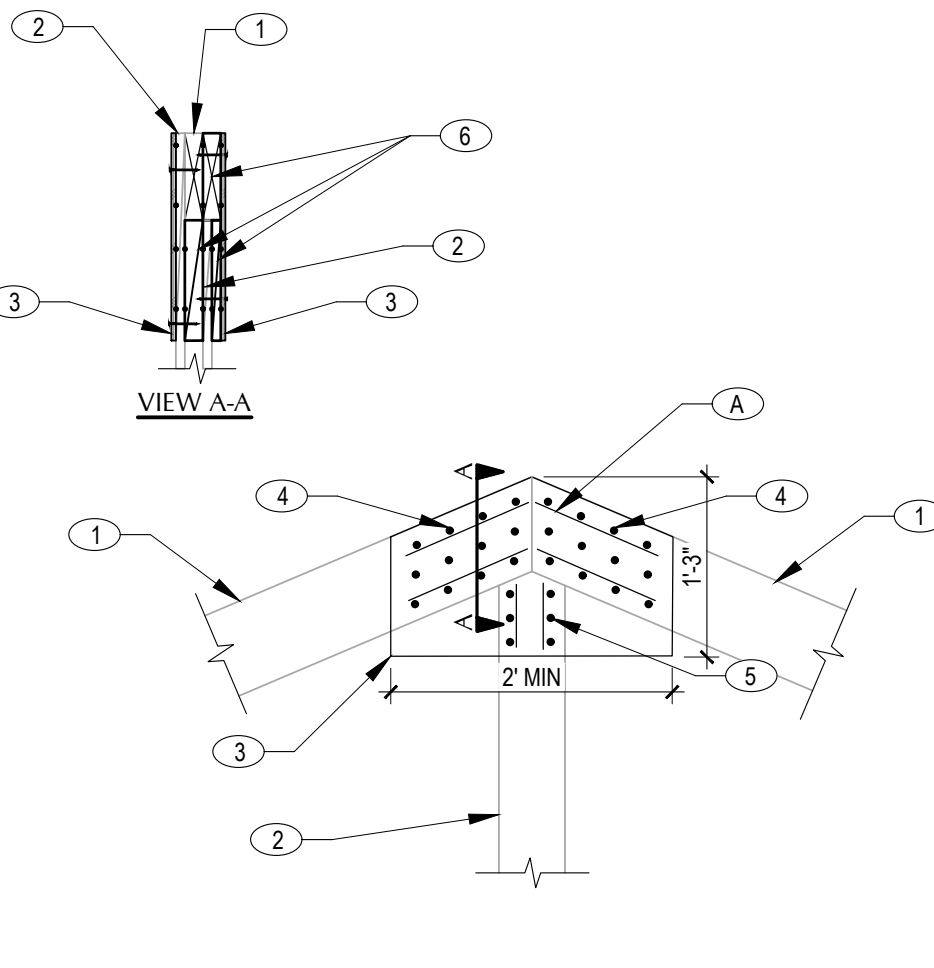
- KEYNOTES:**
- (E) 2x TRUSS TOP CHORD
  - (E) 2x TRUSS BOTTOM CHORD
  - 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
  - PROVIDE A MIN. OF (9) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (9) 10d NAILS INTO TRUSS BOTTOM CHORD.
  - WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS
- NOTES:**
- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.

**2 DETAIL**  
 S5.6 NO SCALE



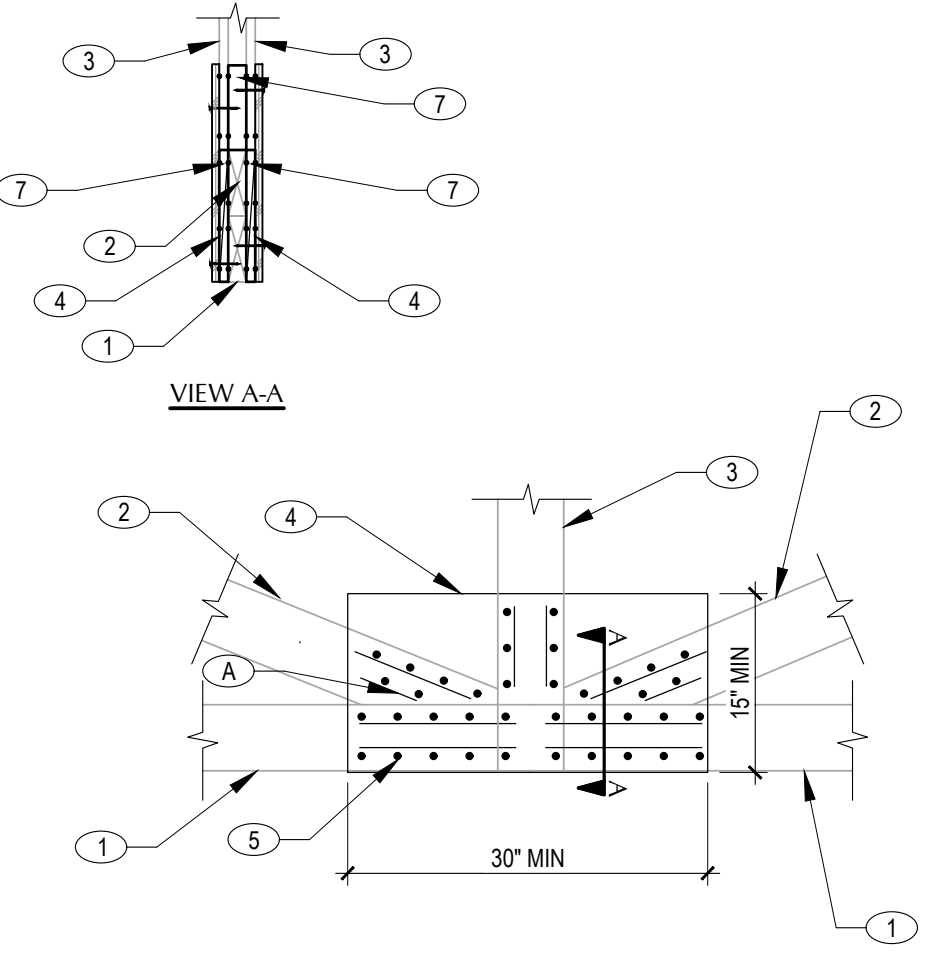
**3 DETAIL**  
 S5.6 NO SCALE

- KEYNOTES:**
- (E) 2x TRUSS TOP CHORD.
  - (E) 2x TRUSS WEB.
  - (E) (2) 1x TRUSS WEBS.
  - 5/8" PLYWOOD SHAPED GUSSET ONE SIDE
  - PROVIDE A MIN. OF (10) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (4) 10d NAILS INTO TRUSS WEB.
  - PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB.
  - WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS
  - ADDITIONAL SISTER FOR SNOW DRIFT IF REQ'D. NAIL W/ 10d NAILS @ 3" O.C. STAGGERED. GLUE W/ (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE FOR 2' BEFORE AND AFTER INTERSECTION WITH WEBS OR BOTTOM CHORD.
- NOTES:**
- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK



**4 DETAIL**  
 S5.6 NO SCALE

- KEYNOTES:**
- (E) 2x TRUSS TOP CHORD
  - (E) (2) 1x TRUSS WEB
  - 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
  - PROVIDE A MIN. OF (12) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB.
  - WOOD BLOCK OR REQ'D SISTER FOR SNOW DRIFT.
- NOTES:**
- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.



**5 DETAIL**  
 S5.6 NO SCALE

- KEYNOTES:**
- (E) 2x TRUSS BOTTOM CHORD.
  - (E) 2x TRUSS WEB.
  - (E) (2) 1x TRUSS WEBS.
  - 5/8" PLYWOOD SHAPED GUSSET EACH SIDE
  - PROVIDE A MIN. OF (10) 10d NAILS INTO BOTTOM CHORD.
  - PROVIDE A MIN. OF (6) 10d NAILS INTO TRUSS WEB.
  - WOOD BLOCK TO FLUSH OUT TRUSS SURFACE FOR PLYWOOD GUSSETS. EXTEND BEYOND GUSSET 2" MIN.
- NOTES:**
- A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE OR BLOCK
- B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.

**MALAD CHAPEL REMODEL**  
 200 W. 400 N., MALAD IDAHO

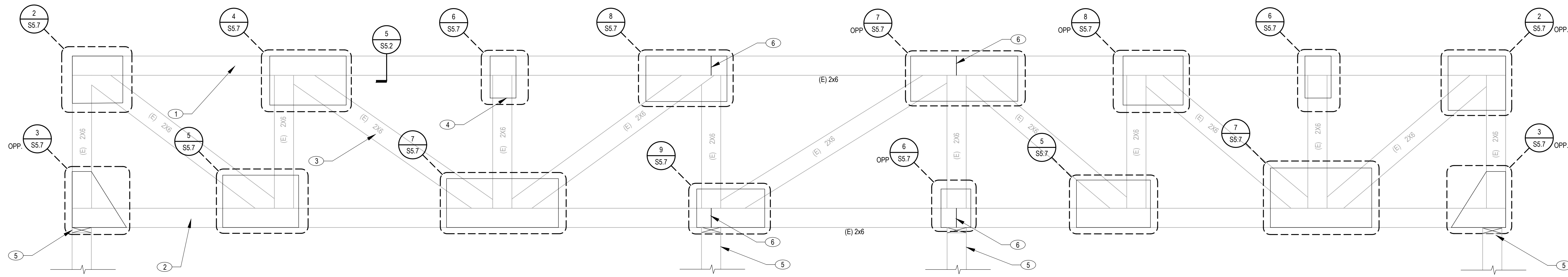
**TITLE, VICINITY MAP, INDEX OF DRAWINGS, CODE REVIEW & SYMBOLS**

**REVISIONS:**


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DATE: OCT 22  
 DRAWING NO. **S5.6**  
 JOB NO. 22188  
 1 OF 13  
 FILE NAME: 2214-Malad Chapel Remodel.pla  
 UPDATE: 10/26/22  
 DRAWN BY: IH





- KEYNOTES:**
- (E) 2x TRUSS TOP CHORD.
  - (E) 2x TRUSS BOTTOM CHORD
  - (E) 2x TRUSS WEB
  - TRUSS UPGRADE. SEE SPECIFIC DETAIL.
  - TRUSS BEARING LOCATIONS
  - ASSUMED LOCATIONS OF SPLICE IN TRUSS. CONTACT FOR IF SPLICES ARE NOT PRESENT OR ARE PRESENT AT OTHER LOCATIONS.

**NOTES:**

A. SISTER NEW WOOD MEMBERS TO CREATE FLUSH PLANE TO APPLY GUSSET PLATES. APPLY SIM. GLUE AND NAILING TO THE NEW SISTER TO ADEQUATELY TRANSFER FORCES TO (E) TRUSS.

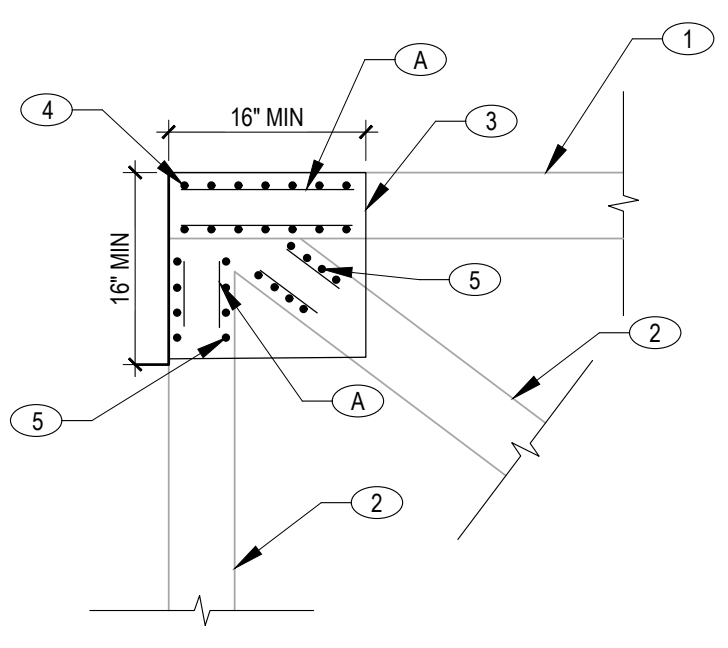
1 TRUSS TR-1A UPGRADE  
NO SCALE

- KEYNOTES:**
- (E) 2x TRUSS TOP CHORD
  - (E) 2x TRUSS WEB
  - 5/8" PLYWOOD GUSSET EACH SIDE
  - PROVIDE A MIN. OF (14) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (7) 10d NAILS INTO TRUSS WEB.

**NOTES:**

A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.

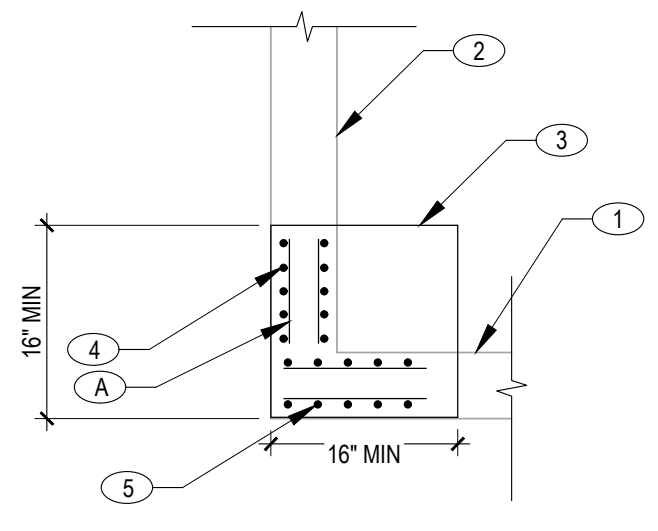
B. NUMBER OF NAILS CALLED OUT ARE THE NAILS REQ'D TO BE INSTALLED INTO EACH GUSSET PLATE ON EACH SIDE.



- KEYNOTES:**
- (E) 2x TRUSS BOTTOM CHORD
  - (E) 2x TRUSS WEB
  - 5/8" PLYWOOD GUSSET ONE SIDE
  - PROVIDE A MIN. OF (10) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (10) 10d NAILS INTO TRUSS WEB.

**NOTES:**

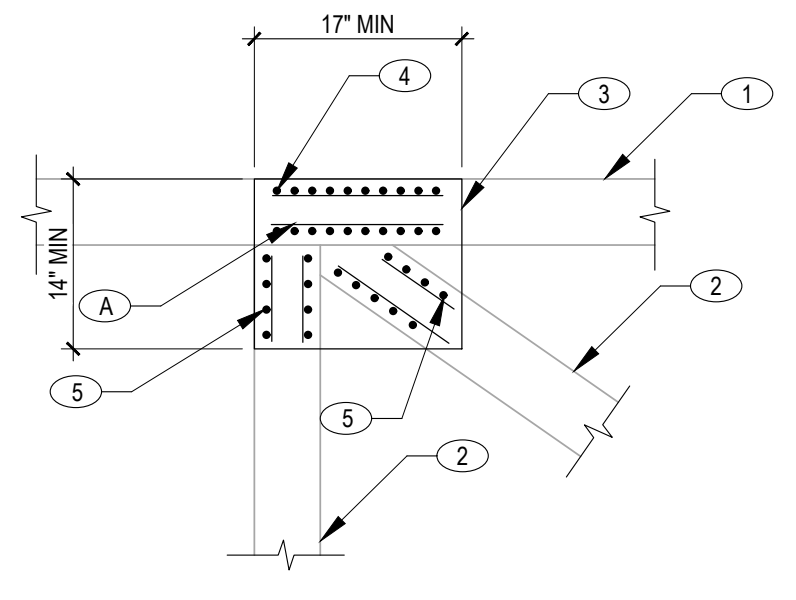
A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.



- KEYNOTES:**
- (E) 2x TRUSS TOP CHORD
  - (E) 2x TRUSS WEB
  - 5/8" PLYWOOD GUSSET ONE SIDE
  - PROVIDE A MIN. OF (20) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (8) 10d NAILS INTO TRUSS WEB.

**NOTES:**

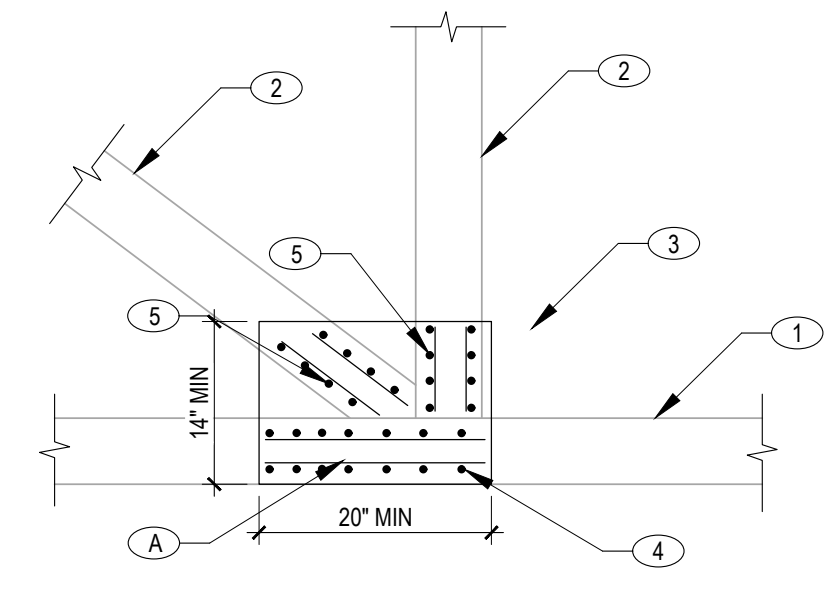
A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.



- KEYNOTES:**
- (E) 2x TRUSS BOTTOM CHORD
  - (E) 2x TRUSS WEB
  - 5/8" PLYWOOD GUSSET EACH SIDE
  - PROVIDE A MIN. OF (16) 10d NAILS INTO BOTTOM CHORD.
  - PROVIDE A MIN. OF (8) 10d NAILS INTO TRUSS WEB.

**NOTES:**

A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.

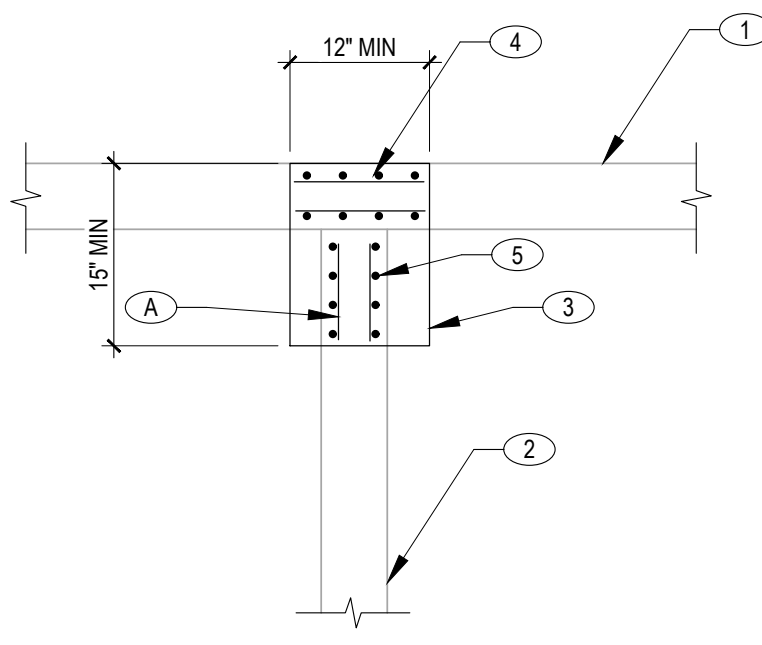


2 DETAIL  
NO SCALE

- KEYNOTES:**
- (E) 2x6 TRUSS TOP CHORD
  - (E) 2x6 TRUSS WEB
  - 5/8" PLYWOOD GUSSET ONE SIDE
  - PROVIDE A MIN. OF (8) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (8) 10d NAILS INTO TRUSS WEB.

**NOTES:**

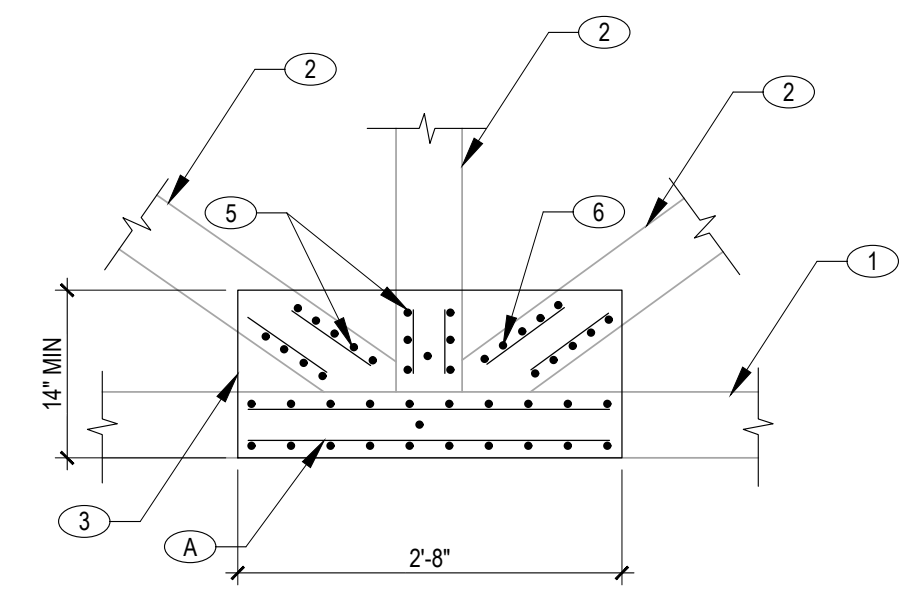
A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.



- KEYNOTES:**
- (E) 2x TRUSS BOTTOM CHORD
  - (E) 2x TRUSS WEB
  - 5/8" PLYWOOD GUSSET EACH SIDE
  - PROVIDE A MIN. OF (21) 10d NAILS INTO BOTTOM CHORD.
  - PROVIDE A MIN. OF (7) 10d NAILS INTO TRUSS WEB.
  - PROVIDE A MIN. OF (10) 10d NAILS INTO TRUSS WEB.

**NOTES:**

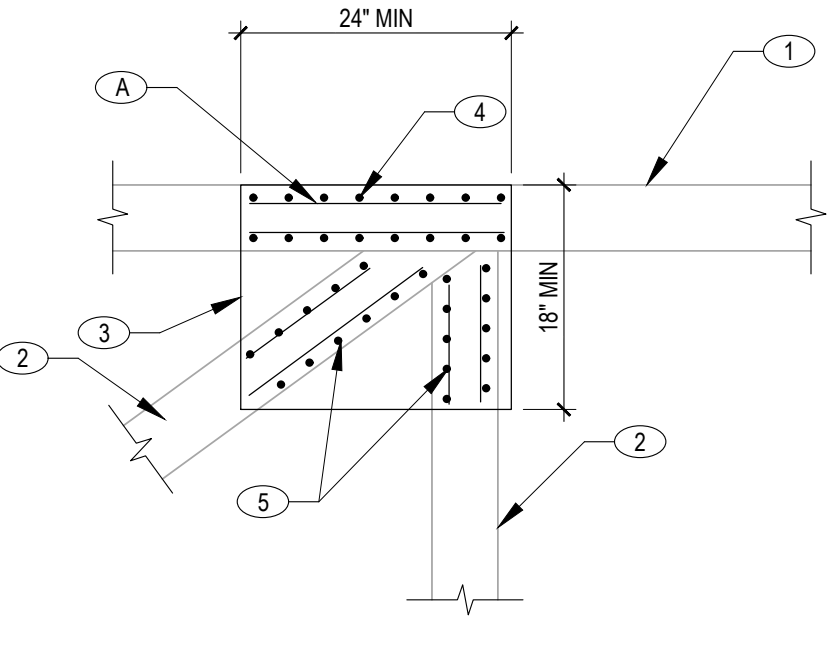
A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.



- KEYNOTES:**
- (E) 2x TRUSS TOP CHORD
  - (E) 2x TRUSS WEB
  - 5/8" PLYWOOD GUSSET EACH SIDE
  - PROVIDE A MIN. OF (16) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (10) 10d NAILS INTO TRUSS WEB.

**NOTES:**

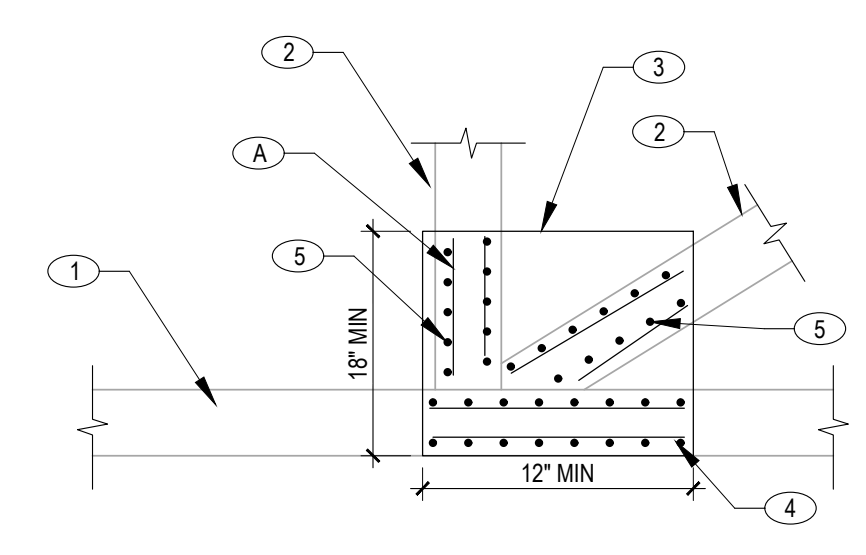
A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.



- KEYNOTES:**
- (E) 2x TRUSS TOP CHORD
  - (E) 2x TRUSS WEB
  - 5/8" PLYWOOD GUSSET EACH SIDE
  - PROVIDE A MIN. OF (16) 10d NAILS INTO TOP CHORD.
  - PROVIDE A MIN. OF (10) 10d NAILS INTO TRUSS WEB.

**NOTES:**

A. PROVIDE (2) 3/8" BEADS OF CONSTRUCTION ADHESIVE THE ENTIRE LENGTH OF THE GUSSET PLATE.



6 DETAIL  
NO SCALE

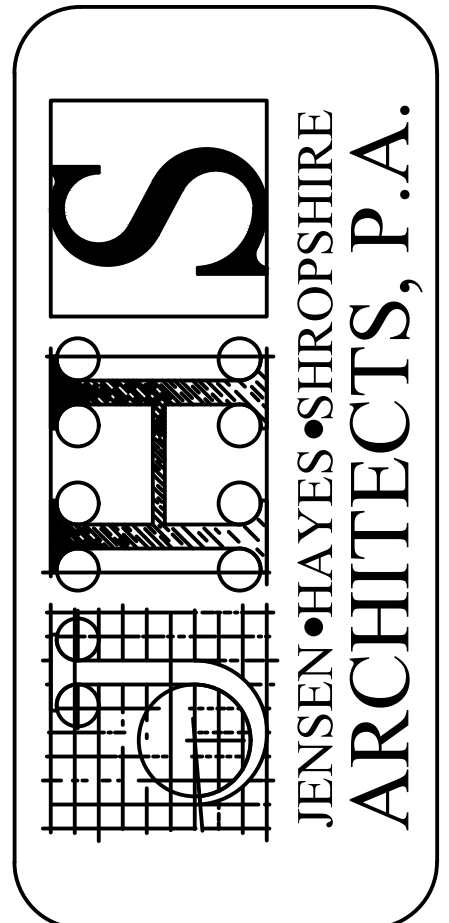
7 DETAIL  
NO SCALE

8 DETAIL  
NO SCALE

9 DETAIL  
NO SCALE



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MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD IDAHO

TITLE, VICINITY MAP, INDEX OF DRAWINGS,  
CODE REVIEW & SYMBOLS

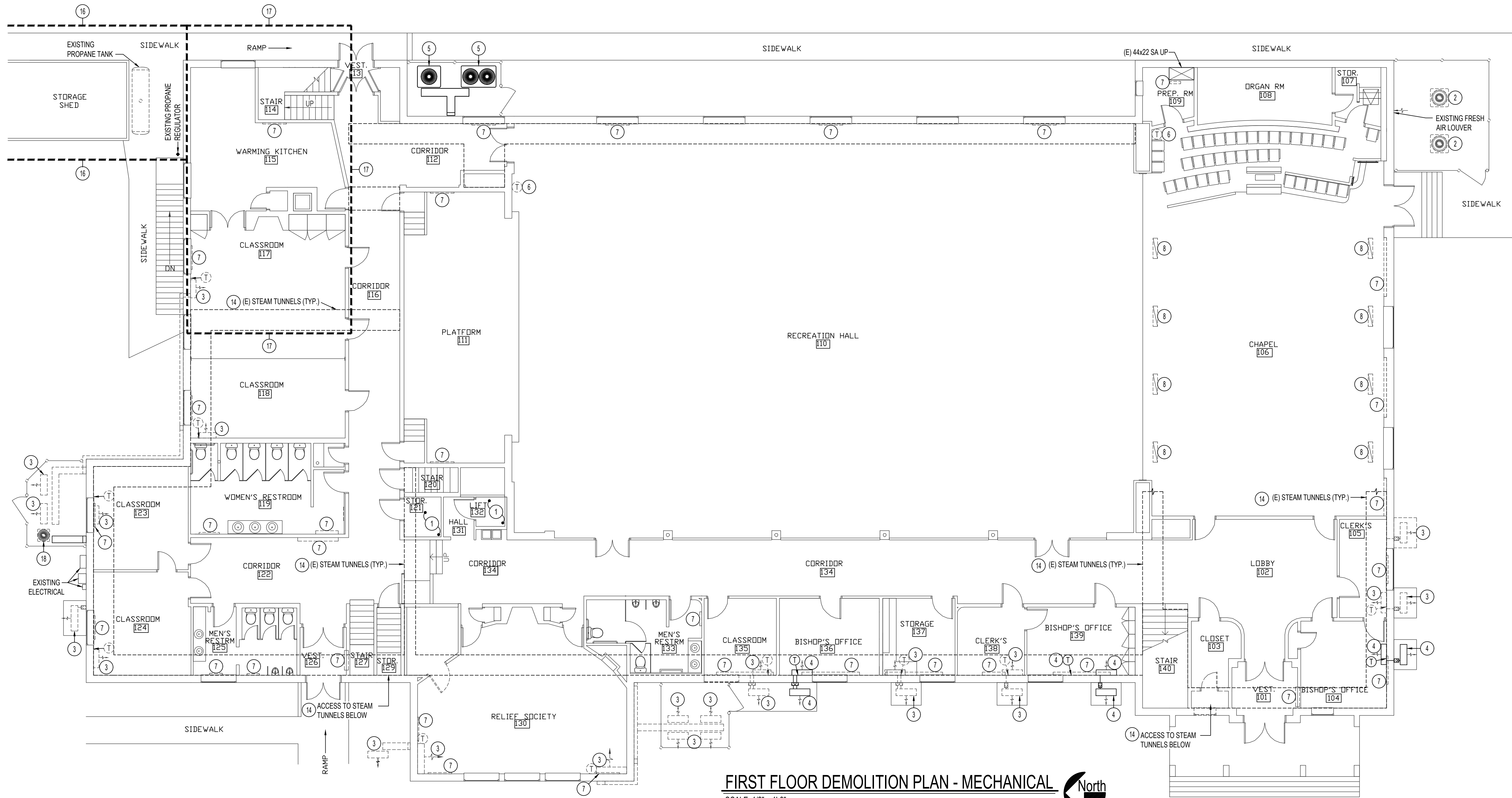
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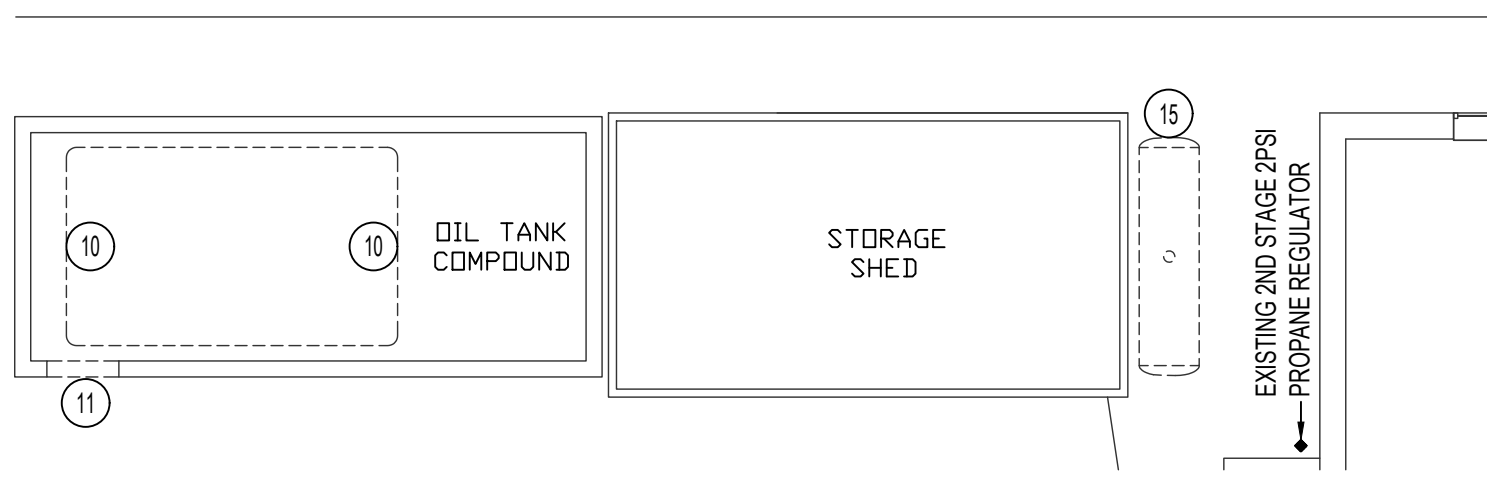

DATE: OCT 22  
DRAWING NO. S5.7  
JOB NO. 22188  
1 OF 13

442 North Main Street, Suite 200  
Bountiful, Utah 84010  
e-mail: wca@wcaeng.com  
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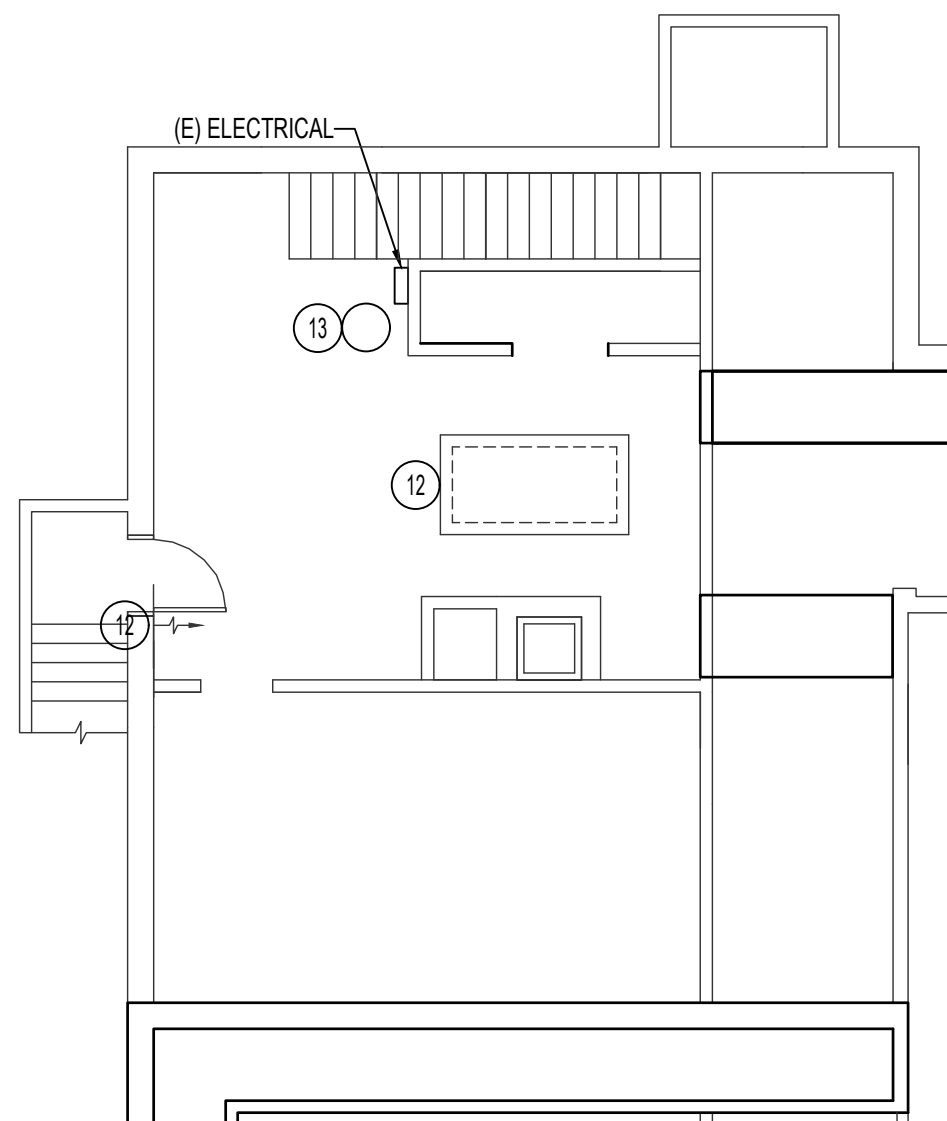
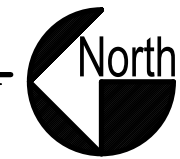
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DRAWN BY: IH



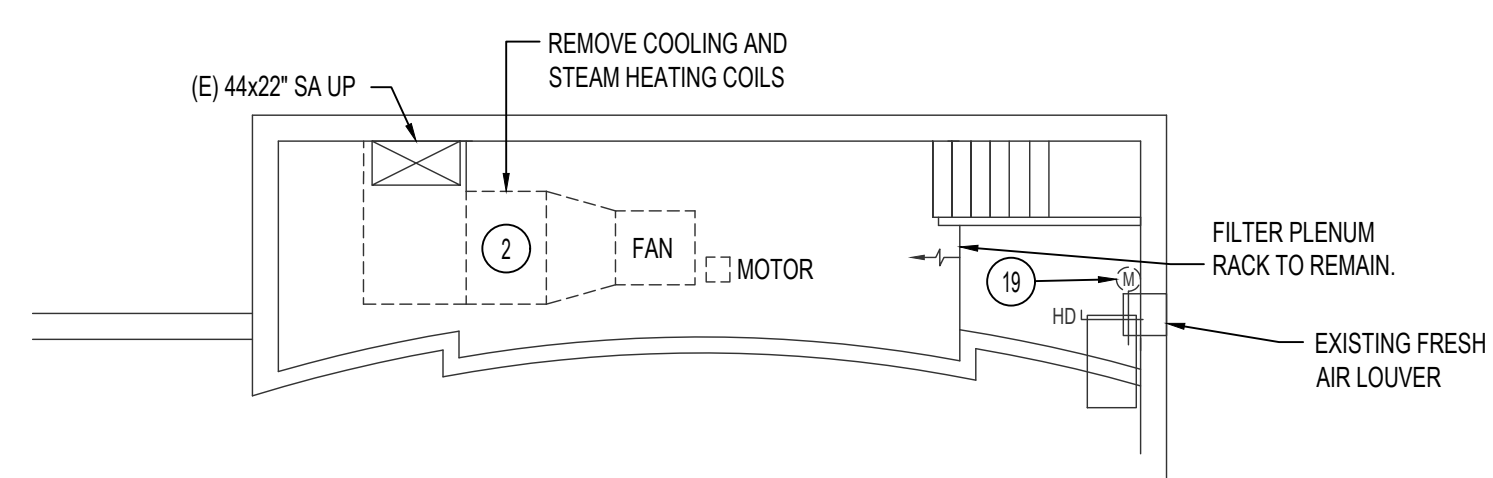
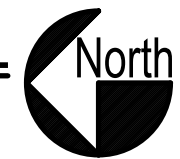
**FIRST FLOOR DEMOLITION PLAN - MECHANICAL**  
SCALE: 1/8" = 1'-0"



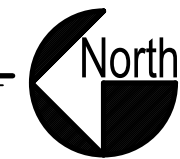
**OUTDOOR DEMOLITION PLAN - MECHANICAL**  
SCALE: 1/8" = 1'-0"



**BOILER ROOM DEMOLITION PLAN - MECHANICAL**  
SCALE: 1/8" = 1'-0"



**BASEMENT FLOOR DEMOLITION PLAN - MECHANICAL**  
SCALE: 1/8" = 1'-0"



**PLAN NOTES:**

- 1 NO WORK TO BE DONE IN THIS ROOM. PROTECT DURING CONSTRUCTION.
- 2 EXISTING CONDENSING UNITS & AIR HANDLER TO BE REMOVED AND REPLACED WITH NEW. SEE SHEET M3.0 FOR NEW WORK. FIELD VERIFY EXISTING CONDITIONS. REMOVE AND DISPOSE OF EXISTING CONDENSATE LINES. REMOVE AND DISPOSE OF EXISTING MOTORIZED OUTSIDE AIR DAMPER ACTUATORS, CAP AND ABANDON STEAM PIPING. SEE CONTRACTOR OPTION ON THIS SHEET FOR REFRIGERATION PIPING. EXISTING REFRIGERATION COVERS TO BE REMOVED AND REPLACED WITH NEW.
- 3 EXISTING MINI SPLIT ALONG WITH CORRESPONDING THERMOSTAT, REFRIGERATION LINE, SUPPORTS, CONDENSING UNIT, AND PROTECTIVE REFRIGERATION COVERINGS TO BE REMOVED AND DISPOSED OF. SEE ARCHITECT PLANS FOR PATCHING. LOCATIONS ON PLANS ARE APPROXIMATE. FIELD VERIFY EXACT LOCATIONS. FIELD VERIFY WHICH CONDENSING UNIT IS CONNECTED TO DEMOED FAN COIL.
- 4 EXISTING MINI SPLIT SYSTEM TO REMAIN. PROTECT DURING CONSTRUCTION.
- 5 EXISTING CONDENSING UNIT TO REMAIN. PROTECT DURING CONSTRUCTION.
- 6 EXISTING PRESTIGE CONTROLS TO BE REMOVED AND REPLACED WITH NEW HONEYWELL LCBS. SALVAGE PRESTIGE CONTROLS AND RETURN TO OWNER.
- 7 EXISTING STEAM WALL CONVECTORS TO BE REMOVED AND DISPOSED OF IN ITS ENTIRETY. REMOVE AND DISPOSE OF ALL CORRESPONDING PIPING. FIELD VERIFY EXISTING CONDITIONS.
- 8 EXISTING RETURN GRILLES TO REMAIN. PROTECT DURING CONSTRUCTION.
- 10 REMOVE AND DISPOSE OF EXISTING OIL TANK AND CORRESPONDING PIPING IN ITS ENTIRETY. FIELD VERIFY EXISTING CONDITIONS. CAP AND ABANDON INACCESSIBLE PIPING.
- 11 COORDINATE WITH THE GENERAL CONTRACTOR FOR THE REQUIRED MASONRY WORK FOR ACCESS TO THE NEW PROPANE TANKS.
- 12 REMOVE AND DISPOSE OF EXISTING BOILER SYSTEM IN ITS ENTIRETY. REMOVAL SHALL INCLUDE BUT NOT LIMITED TO BOILER, CONTROLS, FLUES, STEAM PIPING, VALVES, TANKS, SUPPORTS, AND DRAINS. DISASSEMBLE BOILER AS REQUIRED FOR REMOVAL. CAP, ABANDON, AND LABEL ALL INACCESSIBLE LINES & FLUES. COMBUSTION AIR LOUVER TO REMAIN AND BE RE-USED FOR NEW OUTSIDE AIR INTAKE. CLEAN LOUVER FROM ANY DIRT AND DISBRIS. FIELD VERIFY EXISTING CONDITIONS.
- 13 EXISTING SUMP PUMP TO REMAIN. PROTECT DURING CONSTRUCTION.
- 14 REMOVE AND DISPOSE OF ALL STEAM PIPING AND CORRESPONDING SUPPORTS IN STEAM TUNNELS. FIELD VERIFY EXISTING CONDITIONS. CAP AND ABANDON INACCESSIBLE PIPING. CLEAN OUT DIRT AND DABRIS FROM TUNNEL. SEE SPECIFICATIONS.
- 15 DISCONNECT EXISTING PIPING FROM PROPANE TANK. COORDINATE WITH THE GENERAL CONTRACTOR TO HAVE OWNER REMOVE PROPANE TANK.
- 16 SEE OUTDOOR PLAN ON THIS SHEET.
- 17 SEE BOILER ROOM PLAN ON THIS SHEET FOR WORK BELOW.
- 18 EXISTING CONDENSING UNITS TO BE REMOVED AND DISPOSED OF IN PREPERATION OF INSTALLING NEW REPLACEMENT. PROVIDE AND INSTALL WITH NEW 1" VIBRATION ISOLATOR PADS. PUMP DOWN AND PROPERLY DISPOSE OF R-22 REFRIGERANT. RE-USE EXISTING COVERS AS MUCH AS POSSIBLE. FIELD VERIFY EXISTING CONDITION. SEE CONTRACTOR OPTION ON THIS SHEET FOR ADDITIONAL INFORMATION.
- 19 ACTUATOR FOR MOTORIZED DAMPER TO BE REMOVED AND REPLACED WITH NEW.

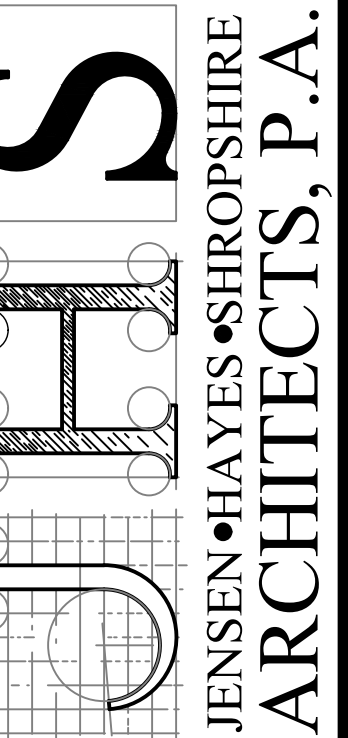
**CONTRACTOR OPTION:**

CONTRACTOR TO VERIFY EXISTING CONDITION OF REFRIGERANT PIPING. IF PIPING IS FOUND TO BE IN GOOD CONDITION WITH NO LEAKS, CONTRACTOR CAN RE-USE EXISTING PIPING INSTEAD OF INSTALLING NEW PIPING. IF EXISTING PIPING IS RE-USED, CONTRACTOR MUST CLEAN AND PURGE LINES USING RX-11 CLEANING KIT BEFORE NEW R410A REFRIGERANT IS INSTALLED AND NEW CONDENSING UNITS AND COILS CONNECTED. EXISTING LINES MUST HOLD PRESSURE AND DEMONSTRATE INTEGRITY THROUGH-OUT SYSTEM.

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ESA JOB NUMBER: 22036

DATE: APRIL 2024  
DRAWING NO. **M2.0**  
JOB NO. 2214  
1 OF 11

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MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD IDAHO

FIRST FLOOR DEMO PLAN - MECHANICAL

REVISIONS:

DATE: APRIL 2024

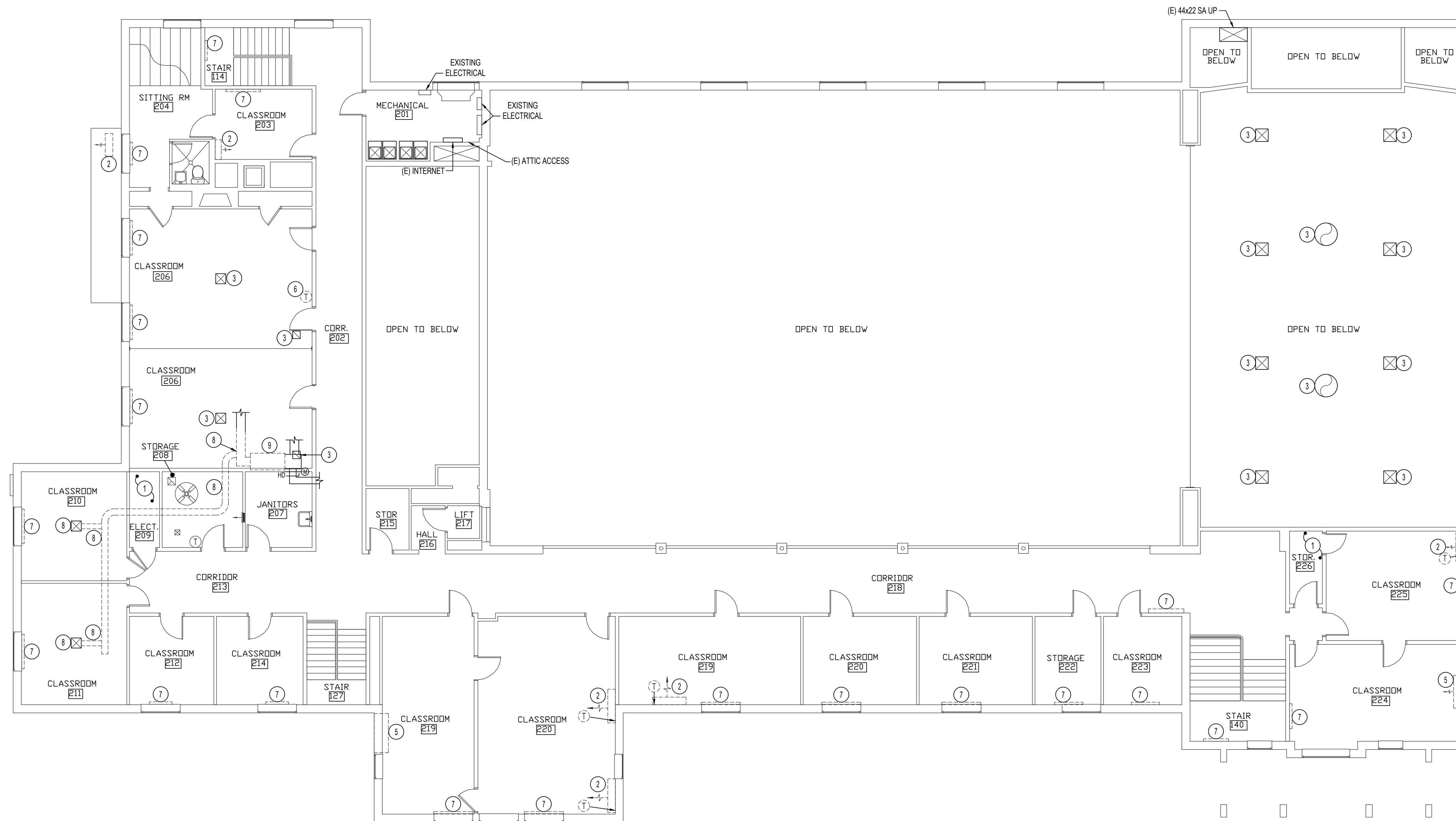
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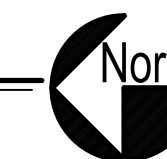
1 OF 11





**SECOND FLOOR DEMOLITION PLAN - MECHANICAL**

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



**PLAN NOTES:**

- 1 NO WORK TO BE DONE IN THIS ROOM. PROTECT DURING CONSTRUCTION.
- 2 EXISTING MINI SPLIT ALONG WITH CORRESPONDING THERMOSTAT, REFRIGERATION LINE, SUPPORTS, CONDENSING UNIT, AND PROTECTIVE REFRIGERATION COVERINGS TO BE REMOVED AND DISPOSED OF. SEE ARCHITECT PLANS FOR PATCHING. LOCATIONS ON PLANS ARE APPROXIMATE. FIELD VERIFY EXACT LOCATIONS. FIELD VERIFY WHICH CONDENSING UNIT IS CONNECTED TO DEMOED FAN COIL.
- 3 EXISTING RETURN GRILLES/DIFFUSERS TO REMAIN. PROTECT DURING CONSTRUCTION.
- 4 EXISTING FAN COIL TO BE REMOVED AND DISPOSED OF IN ITS ENTIRETY. DISCONNECT DUCTWORK, CONDENSATE, AND REFRIGERATION LINES IN PREPARATION OF INSTALLING NEW. SEE SHEET M3.1 FOR NEW INSTALL.
- 5 EXISTING UNIT VENTILATOR TO BE REMOVED AND DISPOSED OF. COORDINATE WITH THE GENERAL CONTRACTOR FOR THE REQUIRED PATCHING.
- 6 EXISTING PRESTIGE CONTROLS TO BE REMOVED AND REPLACED WITH NEW HONEYWELL LCBS. SALVAGE PRESTIGE CONTROLS AND RETURN TO OWNER.
- 7 EXISTING STEAM WALL CONVECTORS TO BE REMOVED AND DISPOSED OF IN ITS ENTIRETY. REMOVE AND DISPOSE OF ALL CORRESPONDING PIPING. FIELD VERIFY EXISTING CONDITIONS. CAP AND ABANDON ALL IN-ACCESSIBLE PIPING.
- 8 EXISTING DIFFUSER TO REMAIN. REMOVE AND DISPOSE OF CORRESPONDING BRANCH DUCT AS INDICATED ON PLANS IN PREPARATION OF NEW DUCTWORK.
- 9 REMOVE AND DISPOSE OF EXISTING FAN COIL UNIT IN PREPARATION OF NEW FURNACE INSTALLATION.

**MECHANICAL LEGEND**

SYMBOL	DESCRIPTION
(1)	ELECTRONIC THERMOSTAT
(FE)	EQUIPMENT SYMBOL
HD	HAND DAMPER
(RBD)	ROUND BRANCH DUCT WITH HAND DAMPER
(IFD)	INSULATED FLEXIBLE DUCT
(RAG)	RETURN AIR OR EXHAUST GRILLE
(CD)	CEILING DIFFUSER
(SD)	SMOKE DETECTOR
(NCP)	NEW CONNECTION POINT

**GAS LOAD CALCS** \*PROPANE

EXISTING FURNACE QTY (4)	120,000 BTU/H
(F1) QTY (2)	120,000 BTU/H
(F3)	40,000 BTU/H
(F4)	40,000 BTU/H
(F5)	60,000 BTU/H
(F6)	80,000 BTU/H
(F7)	60,000 BTU/H
(F8)	40,000 BTU/H
(F9)	60,000 BTU/H
(F10)	60,000 BTU/H
(F11)	60,000 BTU/H
(F12)	60,000 BTU/H
<b>TOTAL GAS LOAD</b>	<b>1,260,000 BTU/H</b>
<b>TOTAL DESIGN LOAD</b>	<b>1,540,000 BTU/H</b>
<b>DESIGNED LENGTH</b>	<b>350 FEET</b>
<b>DISCHARGE PRESSURE</b>	<b>2 PSI</b>
<b>MAIN GAS PIPE SIZE</b>	<b>1"</b>

**GENERAL NOTES:**

- A- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D- DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- E- ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURES.
- F- CONTROL CONTRACTOR MUST PROVIDE 'CERTIFICATE OF SPONSORSHIP' SIGNED FROM APPROVED DISTRIBUTOR WITH BID CONFIRMING INSTALL SPONSORSHIP. CONTROLS SHEETS ARE FOR CONVINCE. CONTROL CONTRACTOR MUST PROVIDE THEIR OWN CONTROL DRAWINGS AND SEQUENCES OF OPERATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- G- RIGID UNLINED DUCTWORK WHICH CONNECTS DIRECTLY TO DIFFUSERS/GRILLES TO BE PAINTED MATTE BLACK WITHIN VISIBLE INSIDE PORTION OF DUCTWORK.

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APR 17, 2024  
18184

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**MALAD CHAPEL REMODEL**  
200 W. 400 N., MALAD IDAHO

**SECOND FLOOR DEMO PLAN - MECHANICAL**

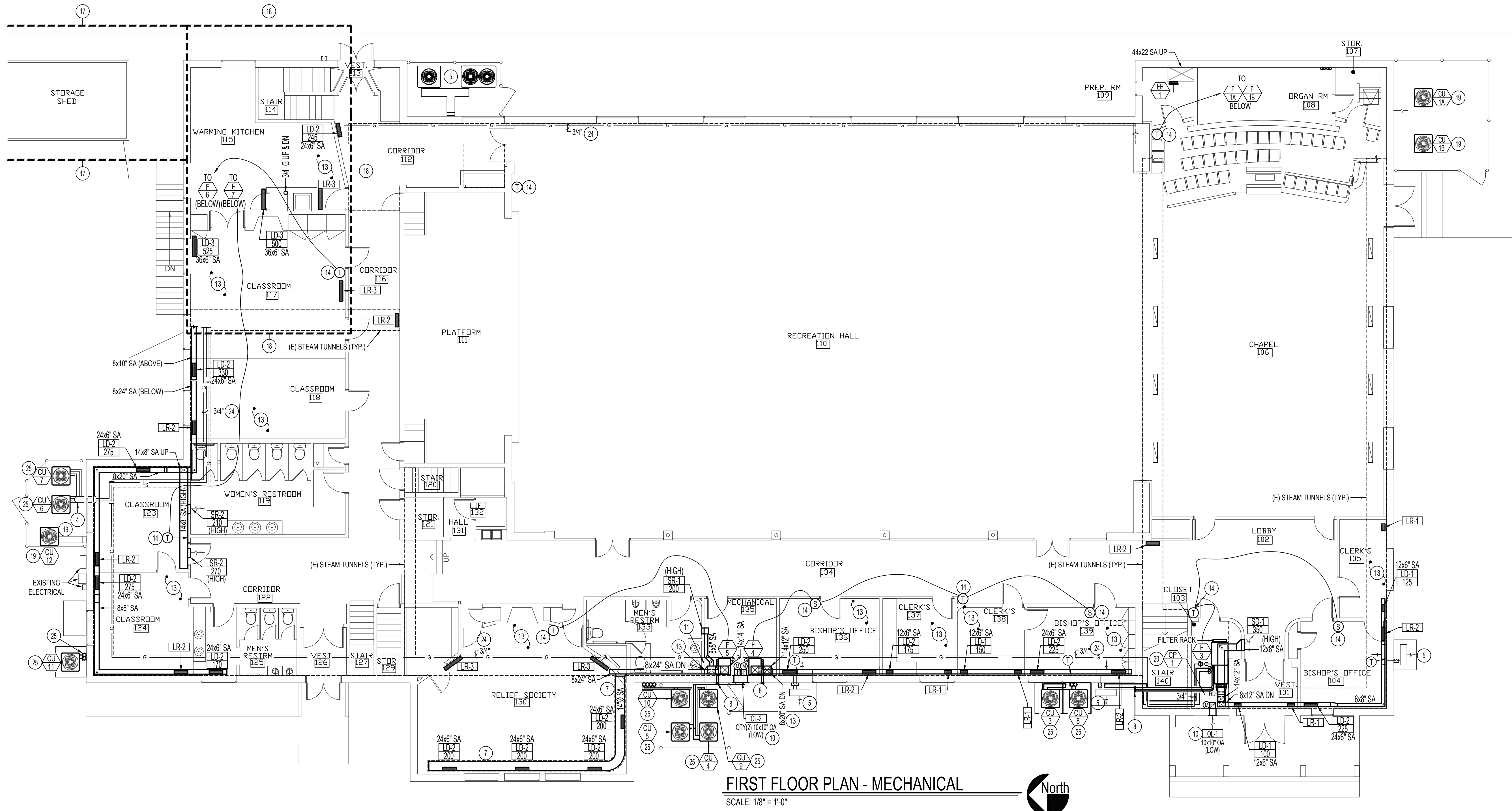
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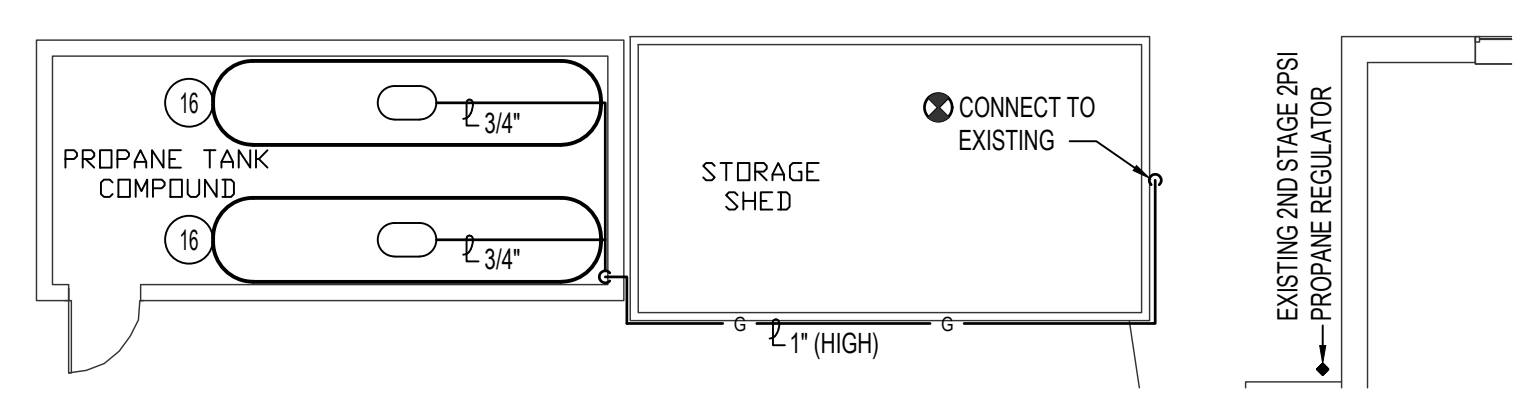
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2 OF 11



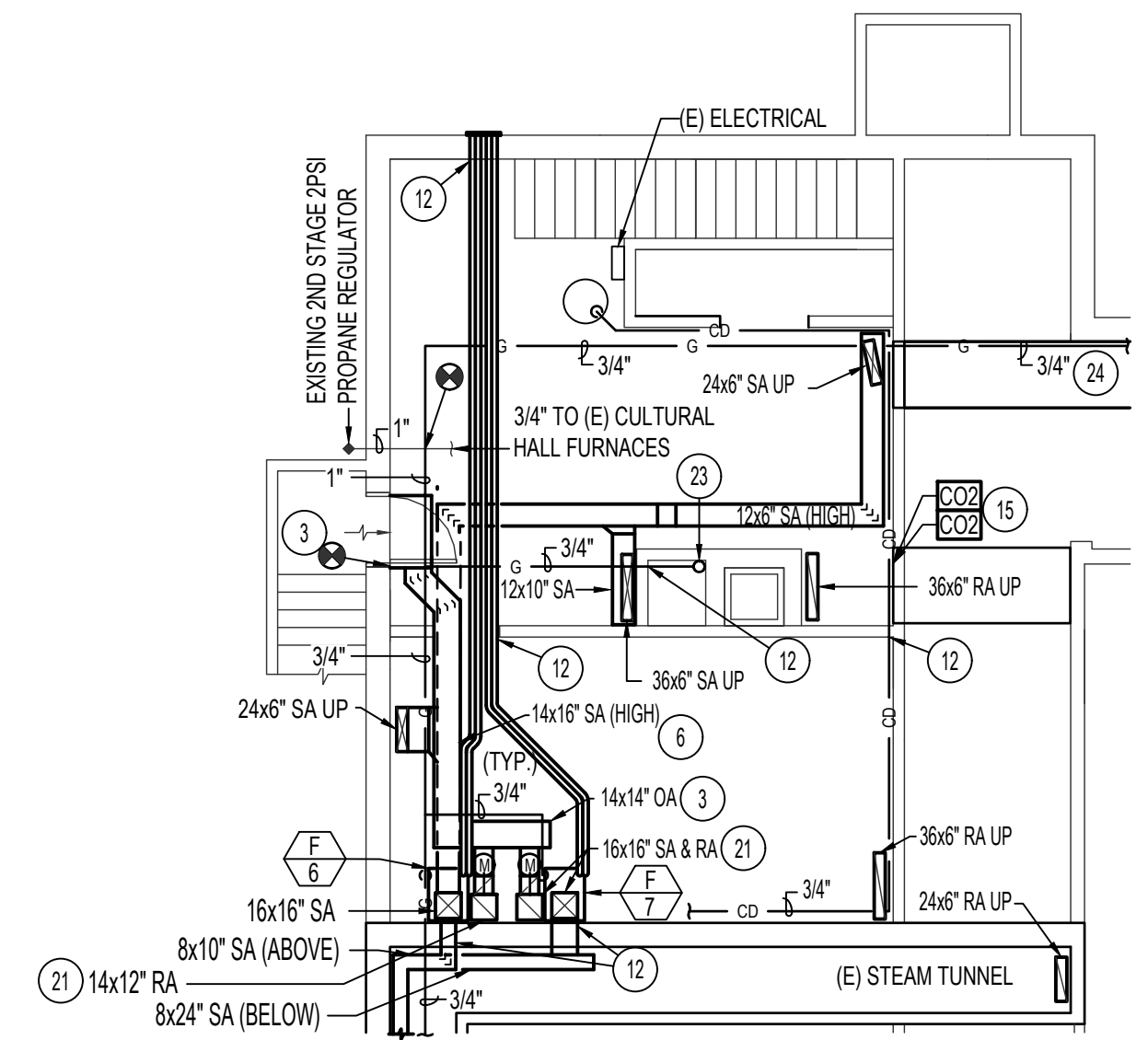
**FIRST FLOOR PLAN - MECHANICAL**

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



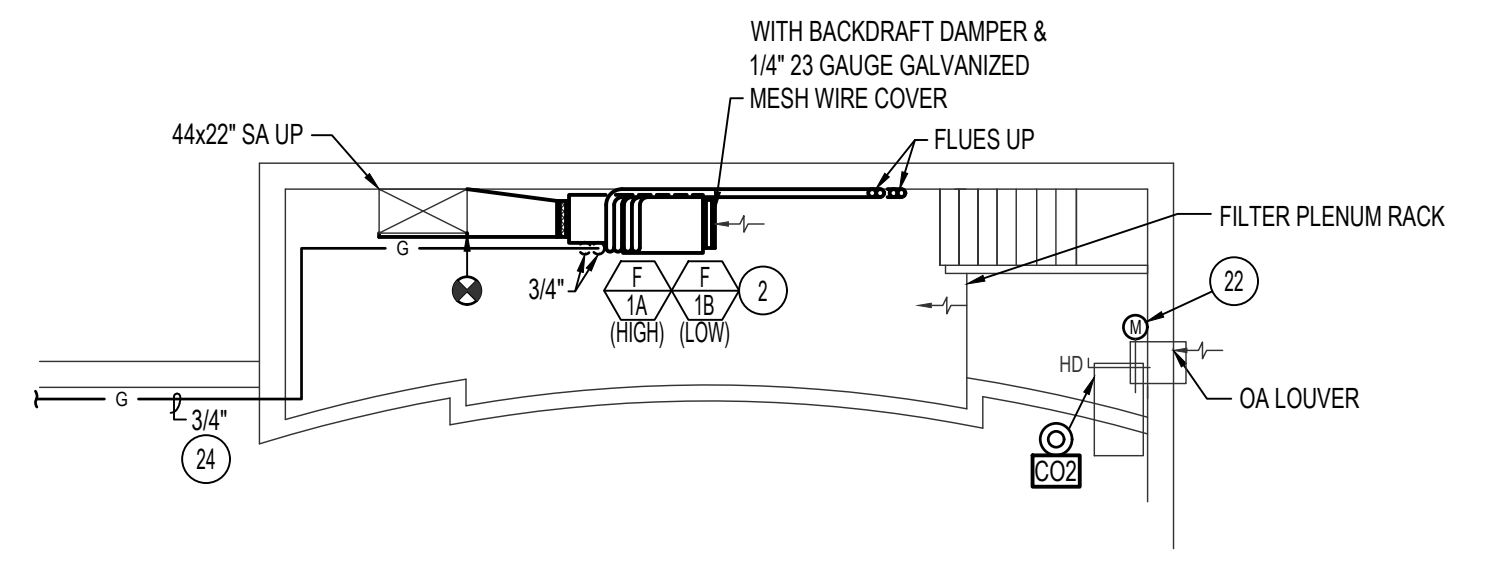
**OUTDOOR PLAN - MECHANICAL**

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



**BOILER ROOM PLAN - MECHANICAL**

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



**BASEMENT FLOOR PLAN - MECHANICAL**

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



**PLAN NOTES:**

- 1 NO WORK TO BE DONE IN THIS ROOM. PROTECT DURING CONSTRUCTION.
- 2 INSTALL NEW QTY (2) PROPANE FURNACES HORIZONTALLY STACKED AS INDICATED ON SHEET 4.2. RE-CONNECT TO EXISTING DUCTWORK AND CONDENSATE DRAIN IN MECHANICAL ROOM.
- 3 INSTALL 24" DEEP OUTSIDE AIR PLENUM AND MATCH OPENING OF EXISTING LOUVER. RUN OUTSIDE AIR DUCTWORK AT SAME ELEVATION OF EXISTING LOUVER. DROP 10x10" DUCT FOR EACH FURNACE AND CONNECT TO RETURN AIR AS LOW AS POSSIBLE. PROVIDE AND INSTALL MOTORIZED DAMPER, 6x6" ACCESS DOOR AND MANUAL BALANCING DAMPER IN DUCT. BALANCE TO CFM INDICATED ON SHEET M4.0.
- 4 ROUTE REFRIGERATION LINES AS PER REFRIGERATION THRU GRADE TO PIPING TUNNEL DETAIL ON SHEET M4.2. COORDINATE WITH THE GENERAL CONTRACTOR FOR THE REQUIRE SAW CUT FLOOR, EXCAVATION, INFILL, AND REPAIR.
- 5 EXISTING CONDENSING UNIT TO REMAIN. PROTECT DURING CONSTRUCTION.
- 6 ROUTE SUPPLY AIR IN BOILER ROOM BELOW AND FLUSH WITH OUTSIDE AIR DUCTWORK.
- 7 COORDINATE WITH THE GENERAL CONTRACTOR FOR THE REQUIRED SAW CUT FLOOR, EXCAVATION, INFILL, AND REPAIR TO RUN NEW BURIED DUCTWORK. SEE UNDER FLOOR DUCT & BOOT CONNECTION DETAIL ON SHEET M4.1.
- 8 TERMINATE FURNACE HORIZONTAL FLUE AS HIGH AS POSSIBLE. SEE DETAILS ON SHEET M4.2.
- 10 INSTALL LOUVER IN EXTERIOR WALL. DROP 10x10" OUTSIDE AIR DUCT DOWN THRU FLOOR AND EXTEND INTO PIPE TUNNEL. PROVIDE AND INSTALL MOTORIZED DAMPER, 6x6" ACCESS DOOR AND MANUAL BALANCING DAMPER IN DUCT. BALANCE TO CFM INDICATED ON SHEET M4.0. SEE TYPICAL SECTION VIEW ON SHEET M4.2.
- 11 PROVIDE AND INSTALL NEW DRAIN HUB ON OPPOSITE WALL OF LAV. SEE DETAIL ON SHEET M4.2. FIELD VERIFY EXISTING CONDITIONS.
- 12 COORDINATE WITH THE GENERAL CONTRACTOR FOR NEW PENETRATIONS THRU THE BOILER ROOM WALL.
- 13 COORDINATE WITH THE GENERAL CONTRACTOR FOR NEW PENETRATIONS THRU THE CONCRETE FLOOR.
- 14 PROVIDE AND INSTALL NEW HONEYWELL LCBS CONTROLS. SEE CONTROL SHEETS FOR ADDITIONAL INFORMATION.
- 15 LOCATE CO2 SENSOR IN OPENING OF PIPING TUNNEL.
- 16 PROPANE SUPPLIER SHALL PLACE THE TANKS AND INSTALL THE PIPING FROM THE TANKS TO THE EXISTING PROPANE GAS LINE. THE PROPANE SUPPLIER SHALL CONTRACT DIRECTLY WITH THE CHURCH AND IS NOT WITHIN THE SCOPE OF WORK. KEEP TANKS MIN 25' AWAY FROM BUILDING.
- 17 SEE OUTDOOR PLAN ON THIS SHEET FOR CONTINUATION.
- 18 SEE BOILER ROOM PLAN ON THIS SHEET FOR WORK BELOW.
- 19 EXISTING CONDENSING UNITS TO BE REMOVED AND REPLACED WITH NEW. PROVIDE AND INSTALL WITH NEW 4" VIBRATION ISOLATOR PADS. SEE CONTRACTOR OPTION ON SHEET M2.0 FOR REFRIGERATION LINES. FIELD VERIFY EXISTING CONDITION.
- 20 PROVIDE AND INSTALL NEW CONDENSATE PUMP FOR NEW FURNACE. PIPE CONDENSATE TO NEW DRAIN HUB BY MECH IN ROOM 135. SEE NOTE 11 ON THIS SHEET.
- 21 RETURN DUCT TO BE OPENED TO THE BOILER ROOM. TERMINATE DUCT 48 INCHES ABOVE FROM FLOOR. OPEN END RETURN WITH HAND DAMPER AND 1/4" GALVANIZED MESH WIRING.
- 22 EXISTING ACTUATOR FOR MOTORIZED DAMPER TO BE REMOVE AND REPLACED WITH NEW. BALANCE CORRESPONDING HAND DAMPER TO CFM AS INDICATED SCHEDULE ON SHEET M4.0. SEE CONTROL SHEETS FOR WIRING DIAGRAMS.
- 23 RISE GAS LINE UP TO ATTIC SPACE.
- 24 RUN GAS LINE AS HIGH AS POSSIBLE IN PIPING TUNNELS. FIELD VERIFY EXISTING CONDITIONS DURING CONSTRUCTION.
- 25 INSTALL NEW CONDENSING UNITS ON 4" VIBRATION ISOLATION PADS. THE GENERAL CONTRACTOR TO INSTALL NEW PAD FOR UNIT. INSTALL NEW REFRIGERATION LINES AS PER DETAILS.



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 3 OF 11

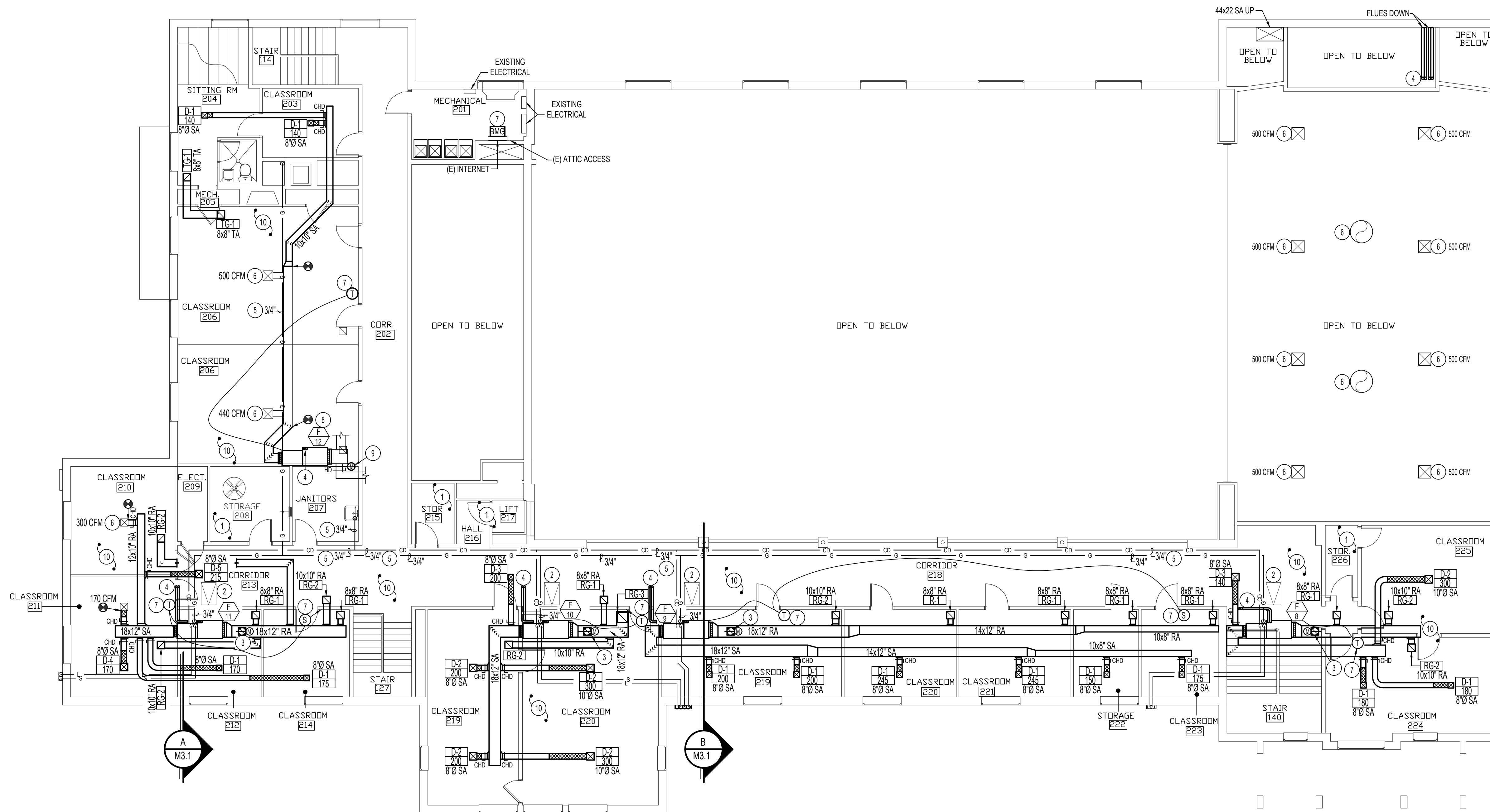
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 200 W. 400 N., MALAD IDAHO

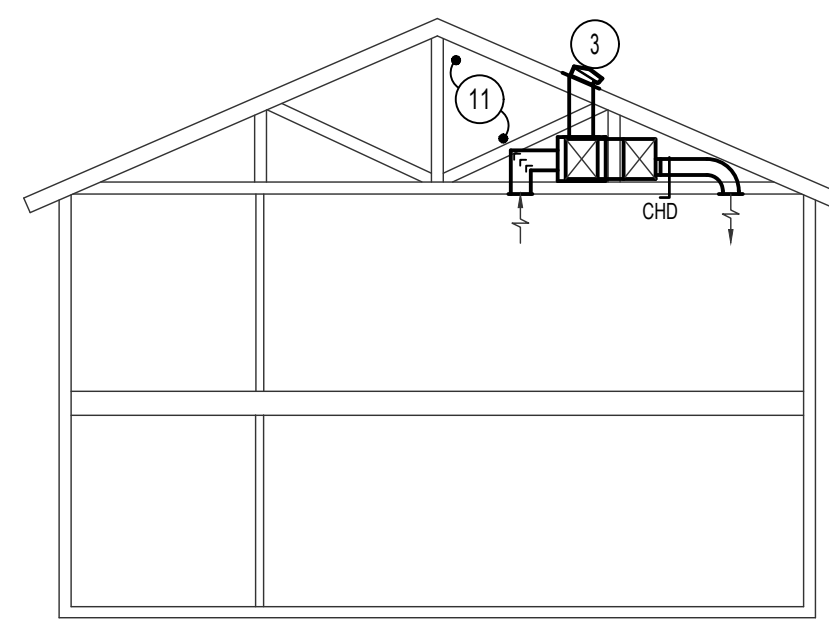
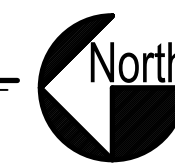
**FIRST FLOOR PLAN - MECHANICAL**





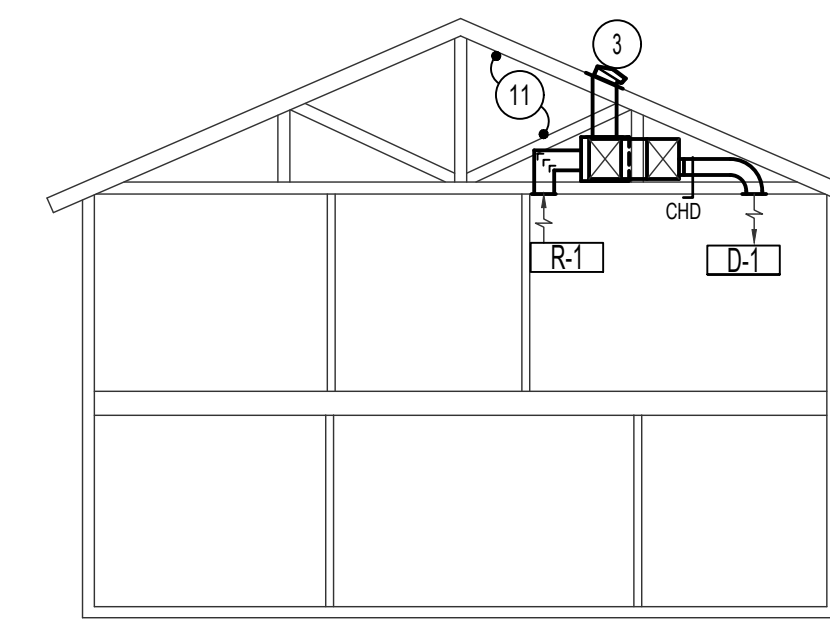
**SECOND FLOOR PLAN - MECHANICAL**

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



**BUILDING SECTION**

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



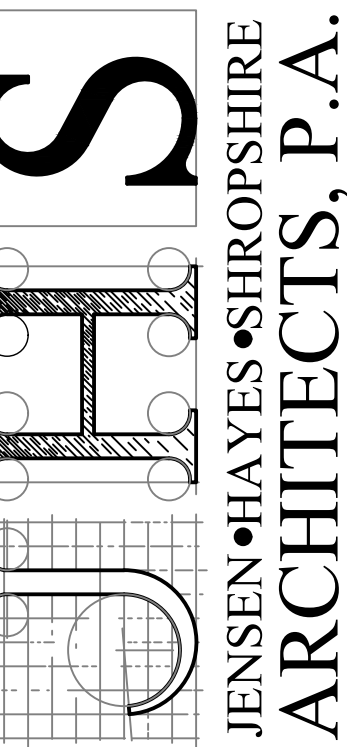
**BUILDING SECTION**

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

**PLAN NOTES:**

- 1 NO WORK TO BE DONE IN THIS ROOM. PROTECT DURING CONSTRUCTION.
- 2 NEW 22x36" ATTIC ACCESS BY ARCHITECT.
- 3 12x12" OUTSIDE AIR UP TO NEW 12'0" SLOPED ROOF CAP. SEE OUTSIDE AIR DAMPER DETAIL ON SHEET M4.1. BALANCE HAND DAMPER TO CFM AS INDICATED ON SCHEDULES.
- 4 PROVIDE AND INSTALL NEW FLUE THRU ROOF TERMINATION. KEEP TERMINATION MIN 5 FEET AWAY FROM ROOF EDGE. PAINT FLUES TO MATCH EXISTING ROOF COLOR. MAINTAIN 10FT CLEARANCE FROM OUTSIDE AIR INTAKE.
- 5 ROUTE CONDENSATE DRAIN AS HIGH AS POSSIBLE. ROUTE TO NEARBY JANITOR SINK. CONDENSATE DRAINS TO BE HEAT TRACED BY ELECTRICAL IN ATTIC SPACE. INSULATE CONDENSATE DRAIN LINES AS PER SPECIFICATIONS AFTER HEAT TRACE IS INSTALLED.
- 6 EXISTING DIFFUSER TO REMAIN. BALANCE TO CFM IF INDICATED ON PLANS.
- 7 PROVIDE AND INSTALL NEW HONEYWELL LCBS CONTROLS. SEE CONTROL SHEETS FOR ADDITIONAL INFORMATION.
- 8 PROVIDE AND INSTALL NEW FURNACE IN PLACE OF FAN COIL. MODIFY DUCTWORK AS REQUIRED. RECONNECT EXISTING DUCTWORK. AND CONDENSATE. PROVIDE AND INSTALL UNIT WITH NEW SUPPORTS, GAS CONNECTION, AND CONCENTRIC FLUE THRU ROOF. FIELD VERIFY EXISTING CONDITIONS.
- 9 EXISTING ACTUATOR FOR MOTORIZED DAMPER TO BE REMOVE AND REPLACED WITH NEW. BALANCE CORRESPONDING HAND DAMPER TO CFM AS INDICATED SCHEDULE ON SHEET M4.0. SEE CONTROL SHEETS FOR WIRING DIAGRAMS.
- 10 ALL DUCTWORK IN ATTIC SPACE TO BE WRAPPED AS PER SPECIFICATIONS.

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MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD IDAHO

SECOND FLOOR PLAN - MECHANICAL



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ESA JOB NUMBER: 22036

REVISIONS:	DATE:	DRAWING NO.
	APRIL 2024	M3.1
JOB NO. 2214		4 OF 11

### AIR COOLED CONDENSING UNIT SCHEDULE

MARK	MIN. NOMINAL SIZE (TONS)	MINIMUM CIRCUIT AMPACITY	MCOP	CHAR.	REMARKS
CU 1A	5	34.6	60	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 1B	5	34.6	60	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 3	2	11.6	25	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 4	2	11.6	25	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 5	2.5	18.7	30	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 6	4	27.9	50	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 7	3	19.8	35	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 8	2	11.6	25	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 9	3	19.8	35	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 10	3	19.8	35	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 11	3	19.8	35	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT
CU 12	3	19.8	35	240/60/1	WITH 0°F LOW AMBIENT HARD START KIT

- 1 REFRIGERANT = R-410a
- 2 AT DESIGN CONDITIONS AND 95 Deg. F ENTERING AIR TEMPERATURE TO CONDENSER.
- 3 COIL MARKS CORRESPOND WITH COOLING COIL AND FURNACE MARKS.
- 4 SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS. 13.0 SEER MINIMUM.
- 5 ELECTRICAL CHARACTERISTICS - COMPRESS: 240V / 1 PHASE / 60 HZ
- 6 COORDINATE ACTUAL ELECTRICAL RATINGS OF UNIT SUPPLIED WITH DIVISION 26.

### COOLING COIL SCHEDULE

MARK	MIN. RECD. CAP. TOT. MBH	COND. ENT. EVAP. SEN. MBH	COND. ENT. EVAP. DB* F	COND. ENT. EVAP. WB* F	S.C.F.M.	MAX. PR. DR. IN. W.G.	POSITION	REMARKS
CC 1A	61.1	40.9	79	66	2000	0.29	HORIZONTAL	5 TON NOMINAL, R410A REFRIGERANT
CC 1B	61.1	40.9	79	66	2000	0.29	HORIZONTAL	5 TON NOMINAL, R410A REFRIGERANT
CC 3	24.0	21.6	79	66	800	0.22	HORIZONTAL	2 TON NOMINAL, R410A REFRIGERANT
CC 4	24.0	21.6	79	66	800	0.22	VERTICAL	2 TON NOMINAL, R410A REFRIGERANT
CC 5	30.0	27.0	79	66	1000	0.22	VERTICAL	2.5 TON NOMINAL, R410A REFRIGERANT
CC 6	49.2	40.4	79	66	1800	0.22	VERTICAL	4 TON NOMINAL, R410A REFRIGERANT
CC 7	36.0	32.4	79	66	1200	0.22	VERTICAL	3 TON NOMINAL, R410A REFRIGERANT
CC 8	24.0	21.6	79	66	800	0.22	HORIZONTAL	2 TON NOMINAL, R410A REFRIGERANT
CC 9	36.0	32.4	79	66	1200	0.22	HORIZONTAL	3 TON NOMINAL, R410A REFRIGERANT
CC 10	36.0	32.4	79	66	1200	0.22	HORIZONTAL	3 TON NOMINAL, R410A REFRIGERANT
CC 11	36.0	32.4	79	66	1200	0.22	HORIZONTAL	3 TON NOMINAL, R410A REFRIGERANT
CC 12	36.0	32.4	79	66	1200	0.22	HORIZONTAL	3 TON NOMINAL, R410A REFRIGERANT

- 1 COIL MARKS CORRESPOND WITH CONDENSING UNIT AND FURNACE MARKS.
- 2 COMPLETE WITH FACTORY COIL BOX AND COIL.
- 3 WET COIL.
- 4 USE NEXT LARGE SIZE COIL IF NECESSARY TO MEET MAX. PRESSURE DROP REQUIREMENTS.
- 5 UP-FLOW COIL.
- 6 HORIZONTAL COIL.
- 7 SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.

### CONDENSATE PUMP SCHEDULE

SYM.	GPH	HEAD	H.P.	CHAR.	RECEIVER SIZE	REMARKS
CP 1	60	10'	1/30	115/60/1	0.5 GALLON	LITTLE GIANT MODEL VCMX-20ULS WITH 6-0" POWER CORD AND 3/4" DRAIN LINE

- 1 SEE SPECIFICATIONS MODEL AND MANUFACTURER INFORMATION.

### REGISTER, LOUVER & GRILLE SCHEDULE

MARK	TYPE	SERVICE	CFM RANGE	NOMINAL SIZE	REMARKS
LR-1	LINEAR BAR GRILLE	RA	100-215	12x6"	
LR-2	LINEAR BAR GRILLE	RA	220-430	24x6"	
LR-3	LINEAR BAR GRILLE	RA	435-1100	36x6"	
RG-1	CEILING	RA	150-300	10x10"	
RG-2	CEILING	RA	300-450	12x12"	
RG-3	CEILING	RA	450-700	16x16"	
RG-4	CEILING	RA	1000	20x20"	
RG-5	WALL	RA	1270	12x32"	
TG-1	CEILING	TA	150-300	10x10"	
OL-1	OUTSIDE LOUVER	OA	100-250	10x10"	
OL-2	OUTSIDE LOUVER	OA	255-500	14x14"	

- #### REGISTER, LOUVER AND DIFFUSER SCHEDULE NOTES:
- 1 MAXIMUM NC-25 @ MAXIMUM CFM NOTED.
  - 2 SHALL BE TITUS TDC TYPE 6 OR EQUAL BY OTHER APPROVED MANUFACTURERS. (SEE SPECIFICATIONS)
  - 3 SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
  - 4 FINISH SHALL BE OFF-WHITE BAKED ENAMEL.
  - 5 BAKED ENAMEL FINISH WITH COLOR AS DIRECTED BY ARCHITECT.
  - 6 INTAKE AIR - NO BACK FLOW DAMPER REQUIRED.
  - 7 LINEAR SLOT GRILLE IN 1/2" BLADE SPACING, 1/8" BARS, 1" FLANGE, AND ANODIZED FINISH. WITH 12" HIGH INSULATED PLENUM OPENED ON QTY (1) NARROW SIDE.
  - 8 LINEAR SLOT DIFFUSER IN 1/2" BLADE SPACING, 1/8" BARS, AND ANODIZED FINISH. WITH BUILT-IN OPPOSED BLADE DAMPERS.
  - 9 SET REGISTER BLADES FOR AIR THROW TO BE WITHIN 5' FROM FLOOR AS RECOMMENDED BY MANUFACTURER.
  - 10 SHEET METAL CONTRACTOR TO PROVIDE A TRANSIZE FROM 8" NECK TO 10" FLEX DUCT WHERE REQUIRED.
  - 11 BLADE ORIENTATION SHALL BE HORIZONTAL.
  - 12 SHALL BE TITUS PAR OR EQUAL BY OTHER APPROVED MANUFACTURERS. WITH BUILT-IN OPPOSED BLADE DAMPERS.
  - 13 SHALL BE 99% WATER PENETRATION EFFECTIVENESS
  - 14 SHALL BE IN HEAVY GAUGE STEEL CONSTRUCTION IN SINGLE DEFLECTION AND 1/2" BLADE SPACING.

### FURNACE SCHEDULE

MARK	MIN. RECD. OUTPUT BTUHR	MINIMUM A.C.F.M.	EXT. S.P. IN. W.G.	MOTOR		REMARKS
				MIN. H.P.	SPEED	
F 1A	115,000	2000	0.60	1	MED. HIGH	120,000 BTU INPUT
F 1B	115,000	2000	0.60	1	MED. HIGH	120,000 BTU INPUT
F 3	38,400	800	0.60	1/3	MED. HIGH	40,000 BTU INPUT
F 4	38,400	800	0.60	1/3	MED. HIGH	40,000 BTU INPUT
F 5	57,600	1000	0.60	1/3	MED. HIGH	60,000 BTU INPUT
F 6	76,800	1600	0.60	3/4	MED. HIGH	80,000 BTU INPUT
F 7	57,600	1200	0.60	3/4	MED. HIGH	60,000 BTU INPUT
F 8	38,400	800	0.60	1/3	MED. HIGH	40,000 BTU INPUT
F 9	57,600	1200	0.60	3/4	MED. HIGH	60,000 BTU INPUT
F 10	57,600	1200	0.60	3/4	MED. HIGH	60,000 BTU INPUT
F 11	57,600	1200	0.60	3/4	MED. HIGH	60,000 BTU INPUT
F 12	57,600	1200	0.60	3/4	MED. HIGH	60,000 BTU INPUT

- 1 BTUHR OUTPUT AT SEA LEVEL RATING
- 2 FURNACE MARKS CORRESPOND WITH CONDENSING UNIT AND COOLING COIL MARKS.
- 3 ELECTRICAL CHARACTERISTICS - MOTOR: 120V / 1 PHASE / 60 HZ
- 4 MAY VARY ACCORDING TO MANUFACTURER. INSTALL NECESSARY JUMPERS SO THAT FAN OPERATES ONLY AT COOLING SPEED WHENEVER THE FAN CIRCUIT IS ENERGIZED.
- 5 SET FAN MOTOR SPEED TAP TO LOWEST POSSIBLE SETTING TO ACHIEVE DESIGN AIR FLOW.
- 6 UP-FLOW UNIT
- 7 PROVIDE AND INSTALL WITH TWINNING KIT.
- 8 SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS. - 92% MINIMUM AFUE.
- 9 ALL FURNACES TO COME WITH COOLING COIL OVERFLOW SWITCH.
- 10 HORIZONTAL UNIT
- 11 WITH 14" HIGH PLENUM BASE.
- 12 INSTALL WITH DRAIN PAN.

### ELECTRIC HEATER SCHEDULE

SYM.	TYPE	BTU	KW	CHAR.	CONTROL	REMARKS
EH 1	WALL MTD	8,400	1.0	120/60/1	INTEGRAL	QMARK MODEL CWH1101DSF WITH SURFACE MOUNT FRAME

\* INSTALL ALL UNITS ON WALL 12" ABOVE FLOOR

### DIFFUSER SCHEDULE

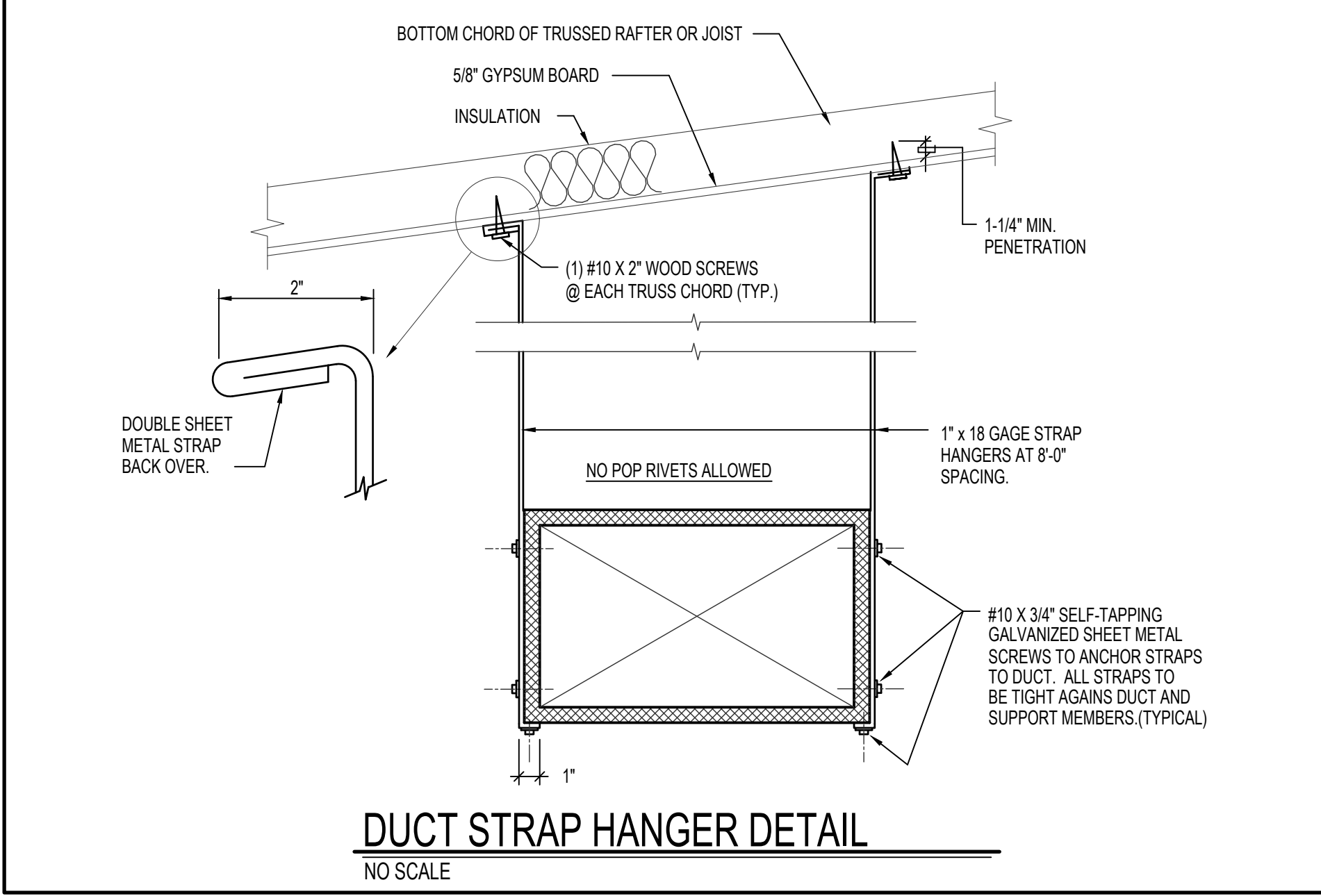
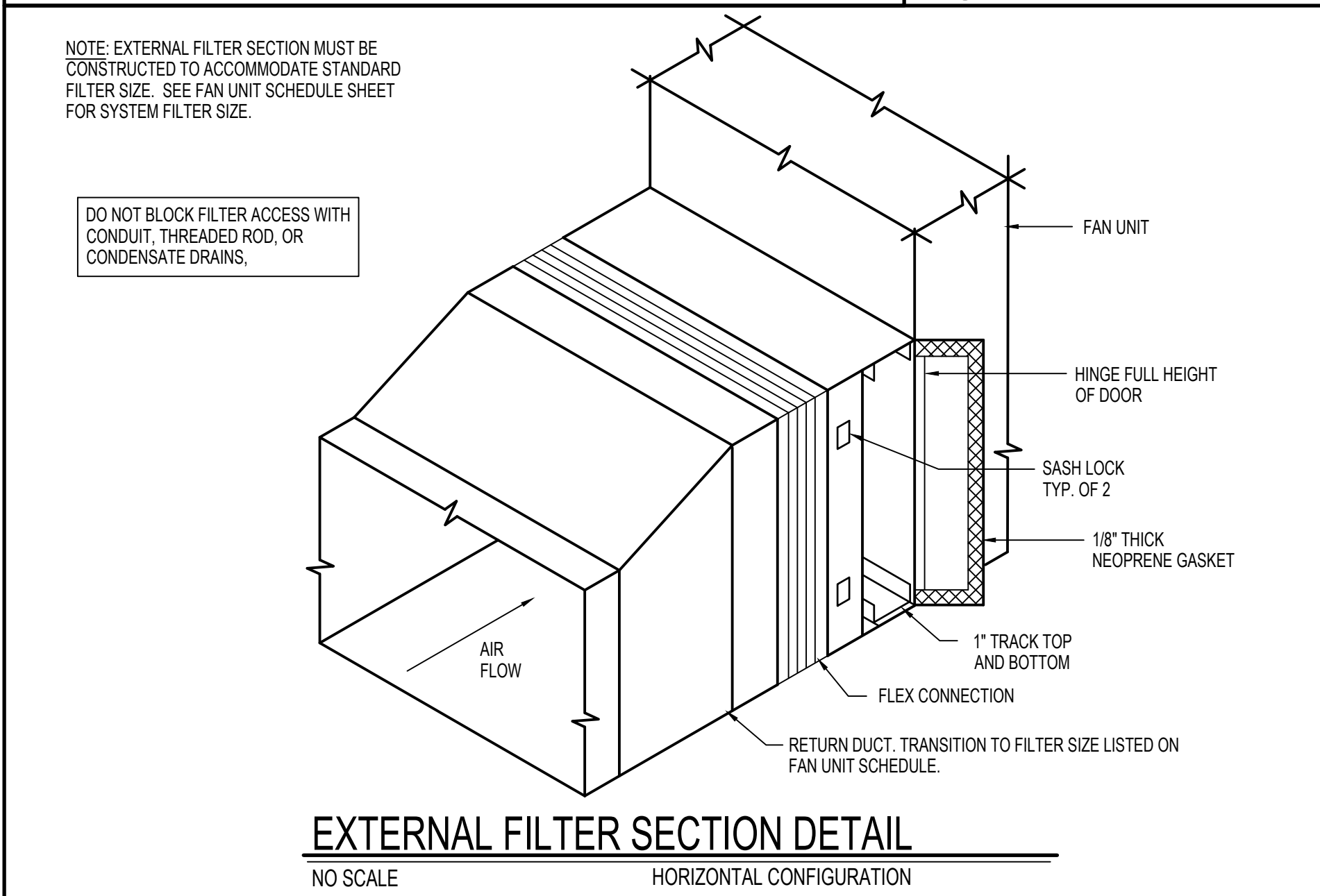
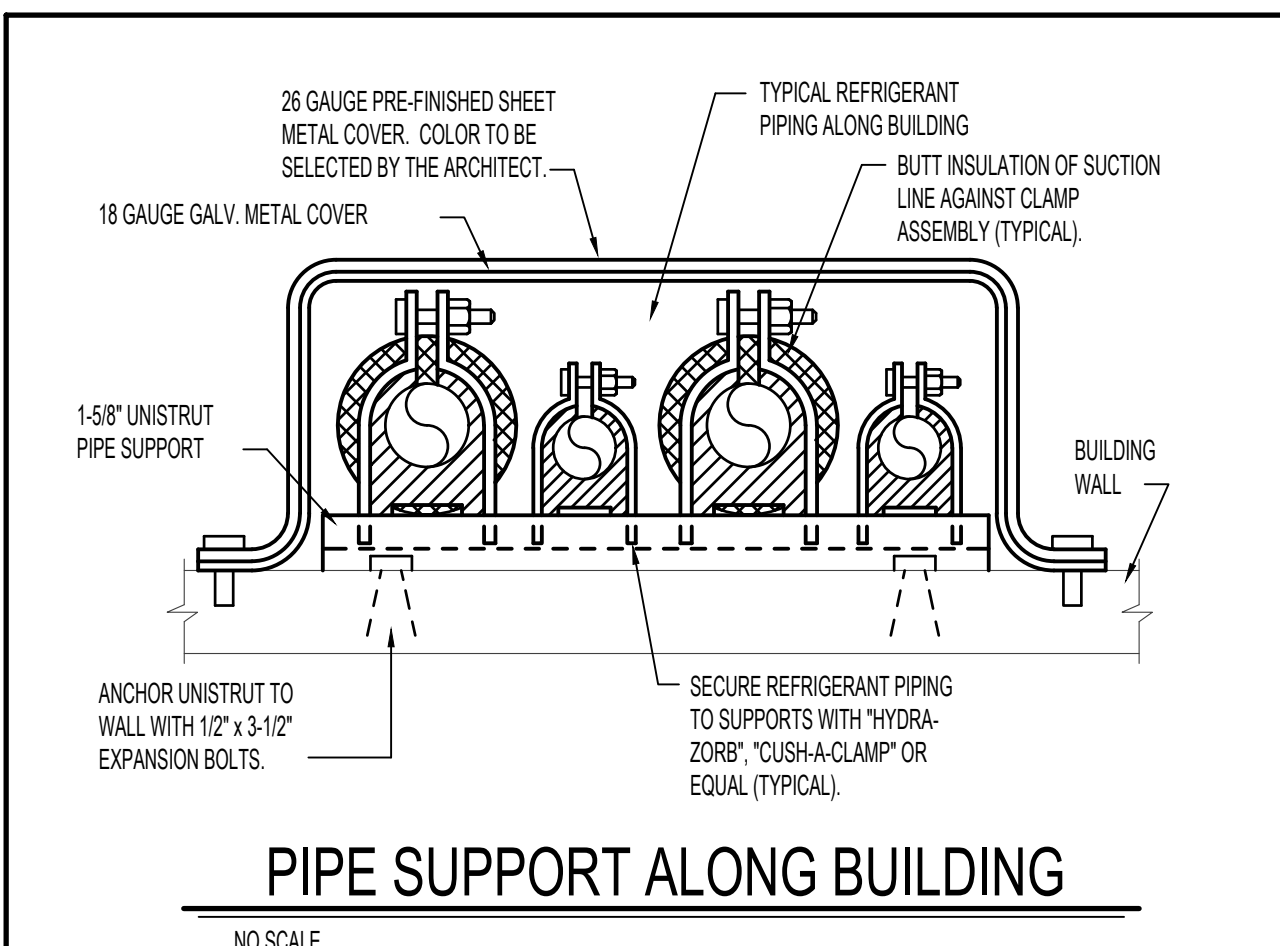
MARK	C.F.M. RANGE	DIFFUSER SIZE	NECK CONN.	BLOW	PATTERN	AIR DIST. SIDE	
						A (%)	B (%)
D-1 CFM	150-225	9x9"	8'0"	3 WAY	▲▲	25	75
D-2 CFM	225-325	12x12"	10'0"	4 WAY	▲▲▲▲	50	50
D-3 CFM	150-250	9x9"	8'0"	2 WAY	▲▶	0	100
D-4 CFM	150-225	9x9"	8'0"	4 WAY	▲▲▲▲	50	50
D-5 CFM	150-225	12x12"	8'0"	1 WAY	▶	0	100
SD-1 CFM	350	12x12"	12x8"	45°	N/A	N/A	N/A
SR-1 CFM	200	10x8"	8x8"	N/A	N/A	N/A	N/A
SR-2 CFM	210-270	16x8"	14x8"	N/A	N/A	N/A	N/A
LD-1 CFM	150-275	12x6"	12x6"	N/A	N/A	N/A	N/A
LD-2 CFM	330	24x6"	24x6"	N/A	N/A	N/A	N/A
LD-3 CFM	450-525	36x6"	36x6"	N/A	N/A	N/A	N/A
LD-4 CFM	350	24x6"	36x6"	N/A	N/A	N/A	N/A

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**JENSEN HAYES SHROPSHIRE ARCHITECTS, P.A.**

**MALAD CHAPEL REMODEL**  
200 W. 400 N., MALAD IDAHO

**MECHANICAL DETAILS & SCHEDULES**

REVISIONS:

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DATE: APRIL 2024

DRAWING NO. **M4.0**

JOB NO. 2214      5 OF 11

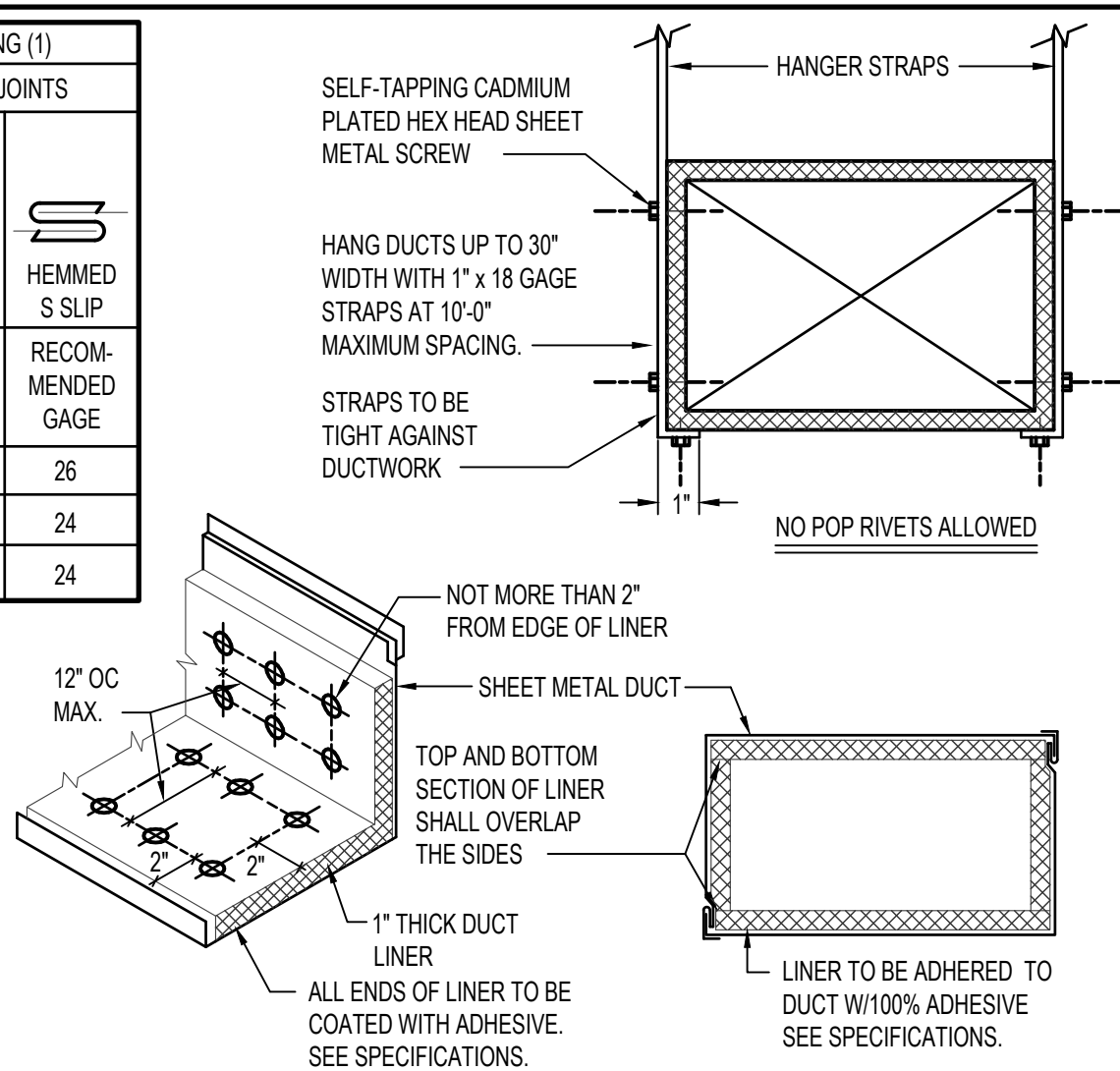


DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAUGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING (1)			
		MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS & OR INTERMEDIATE REINFORCING		AT JOINTS	
UP THRU 12	26	NONE REQUIRED	26	26	26
13 - 18	24	NONE REQUIRED	24	24	24
19 - 30	24	1"x1"x18" @ 60 IN	-	24	24

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

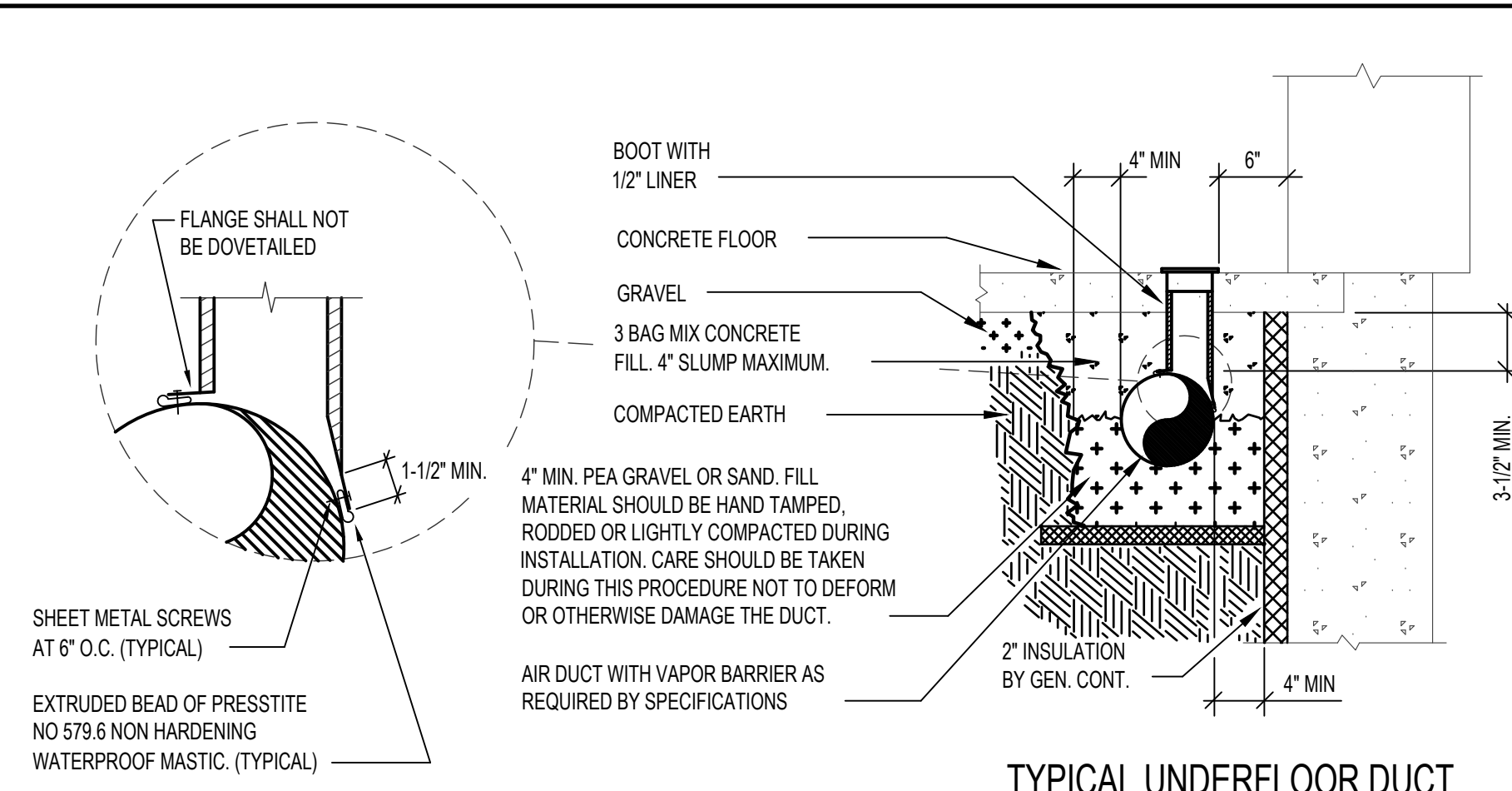
METAL FASTENERS - O-MARK INSULPINS, DURO DYNE FASTENERS OR GRIPNAILS.

GRIP NAILS SHALL BE INSTALLED BY GRIPNAIL AIR HAMMER OR BY AUTOMATIC FASTENER EQUIP.



### DUCT CONSTRUCTION AND HANGER DETAIL

NO SCALE

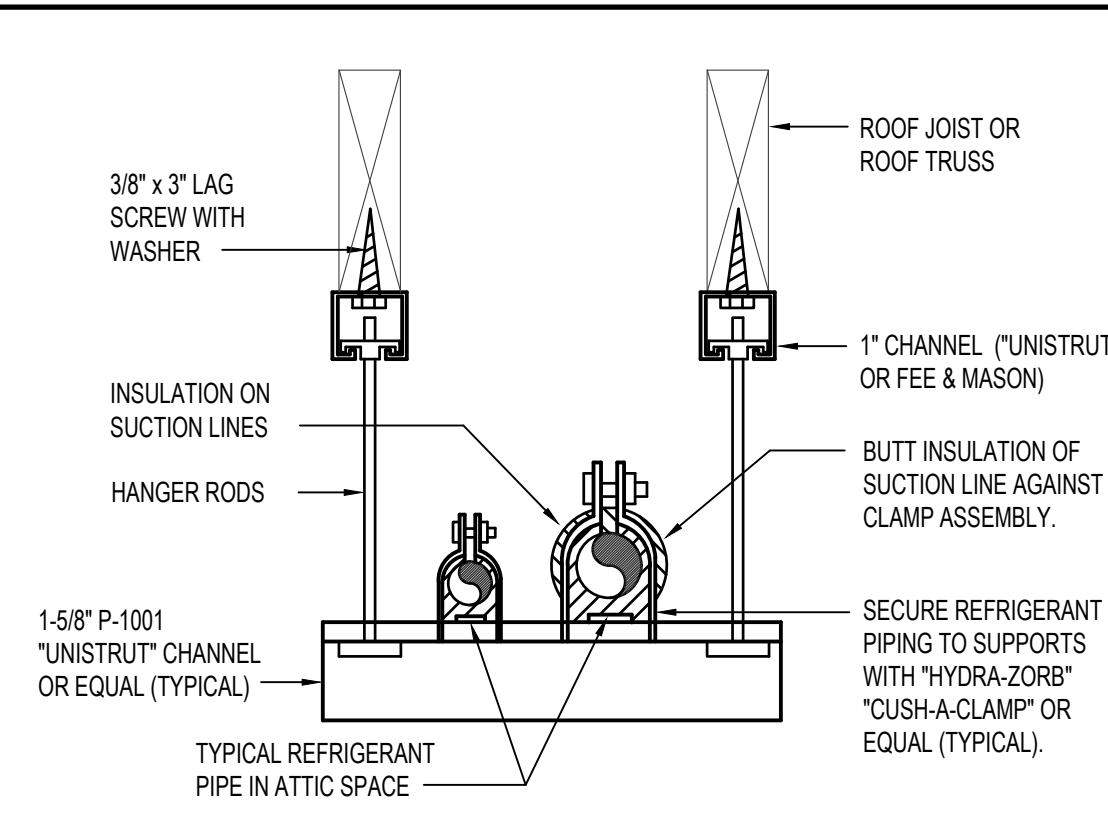


### BOOT CONNECTION DETAIL

NO SCALE

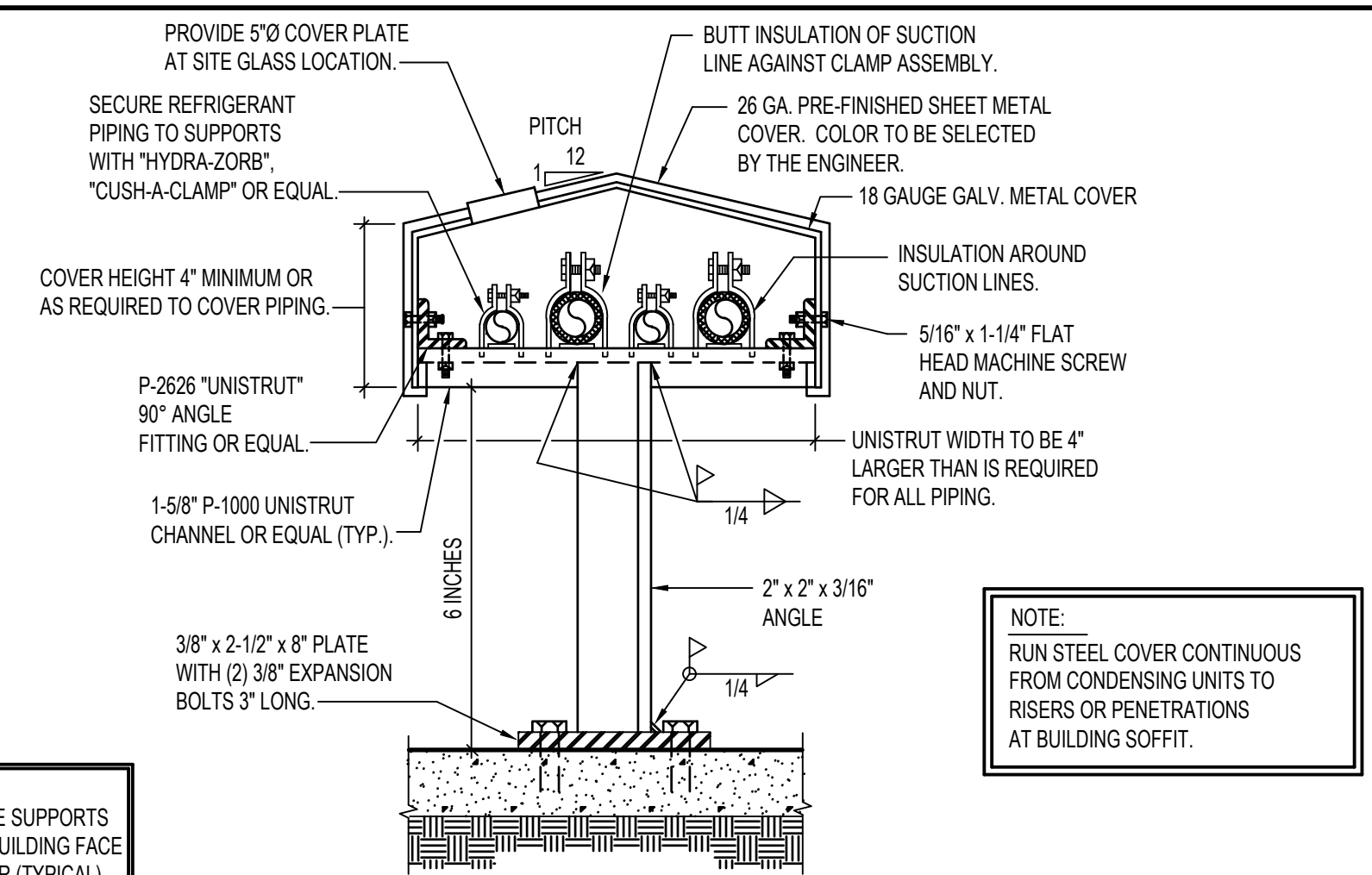
### TYPICAL UNDERFLOOR DUCT WITH STANDARD BOOT

NO SCALE



### SUSPENDED PIPE SUPPORT

NO SCALE

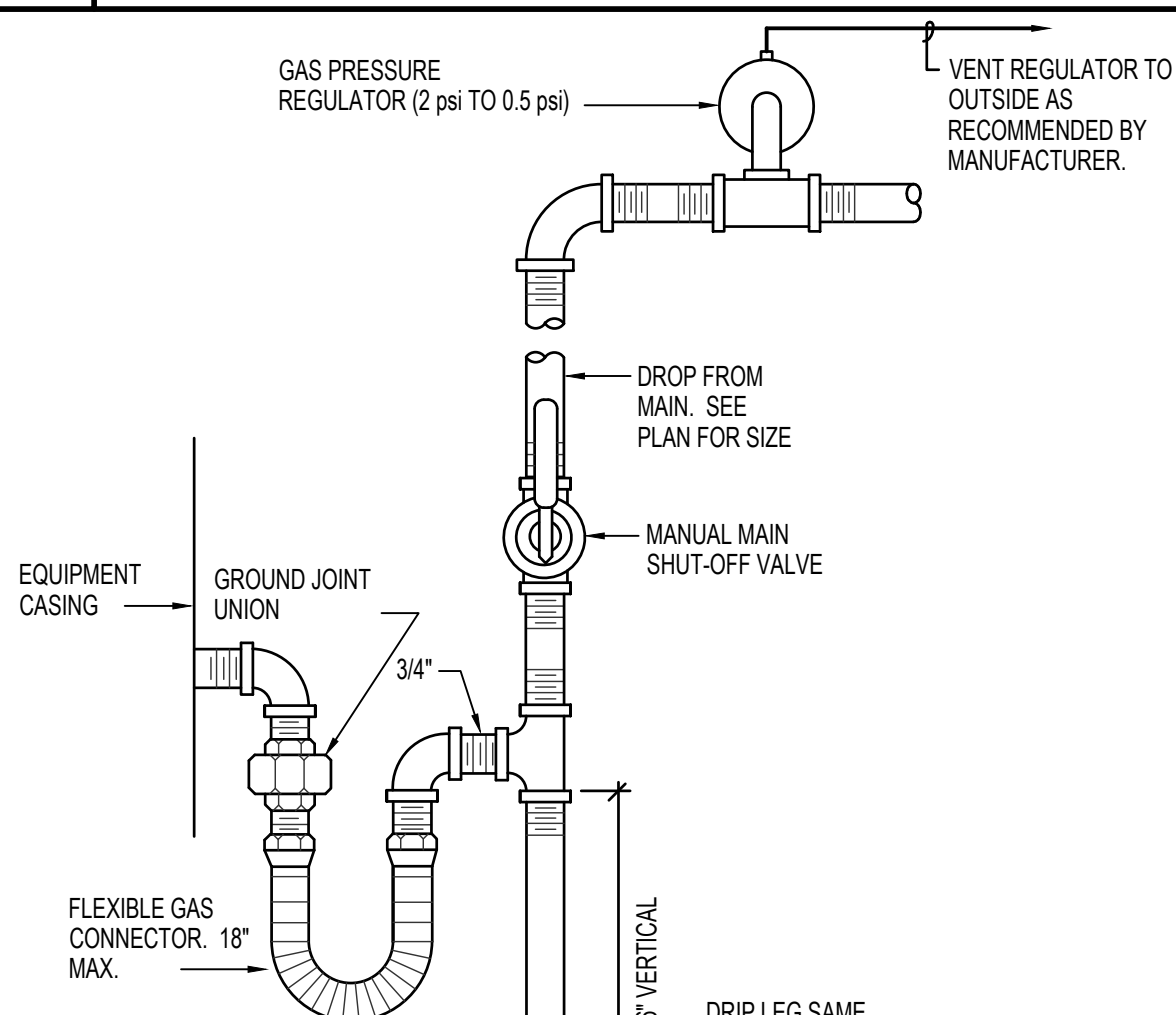


NOTE: PAINT ANGLE SUPPORTS TO MATCH BUILDING FACE BRICK COLOR (TYPICAL).

NOTE: RUN STEEL COVER CONTINUOUS FROM CONDENSING UNITS TO RISERS OR PENETRATIONS AT BUILDING SOFFIT.

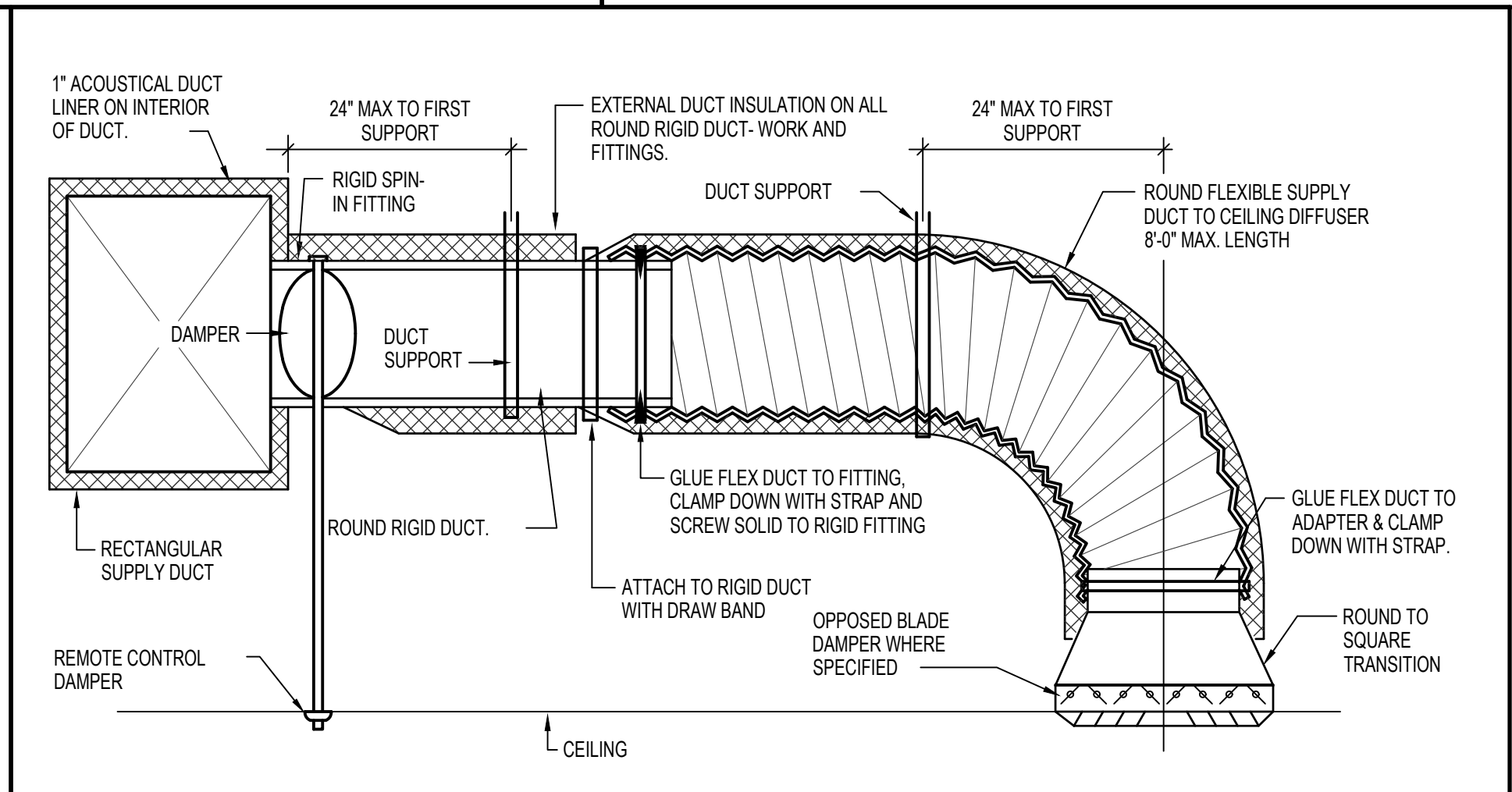
### REFRIGERANT PIPE SUPPORT DETAIL

NO SCALE



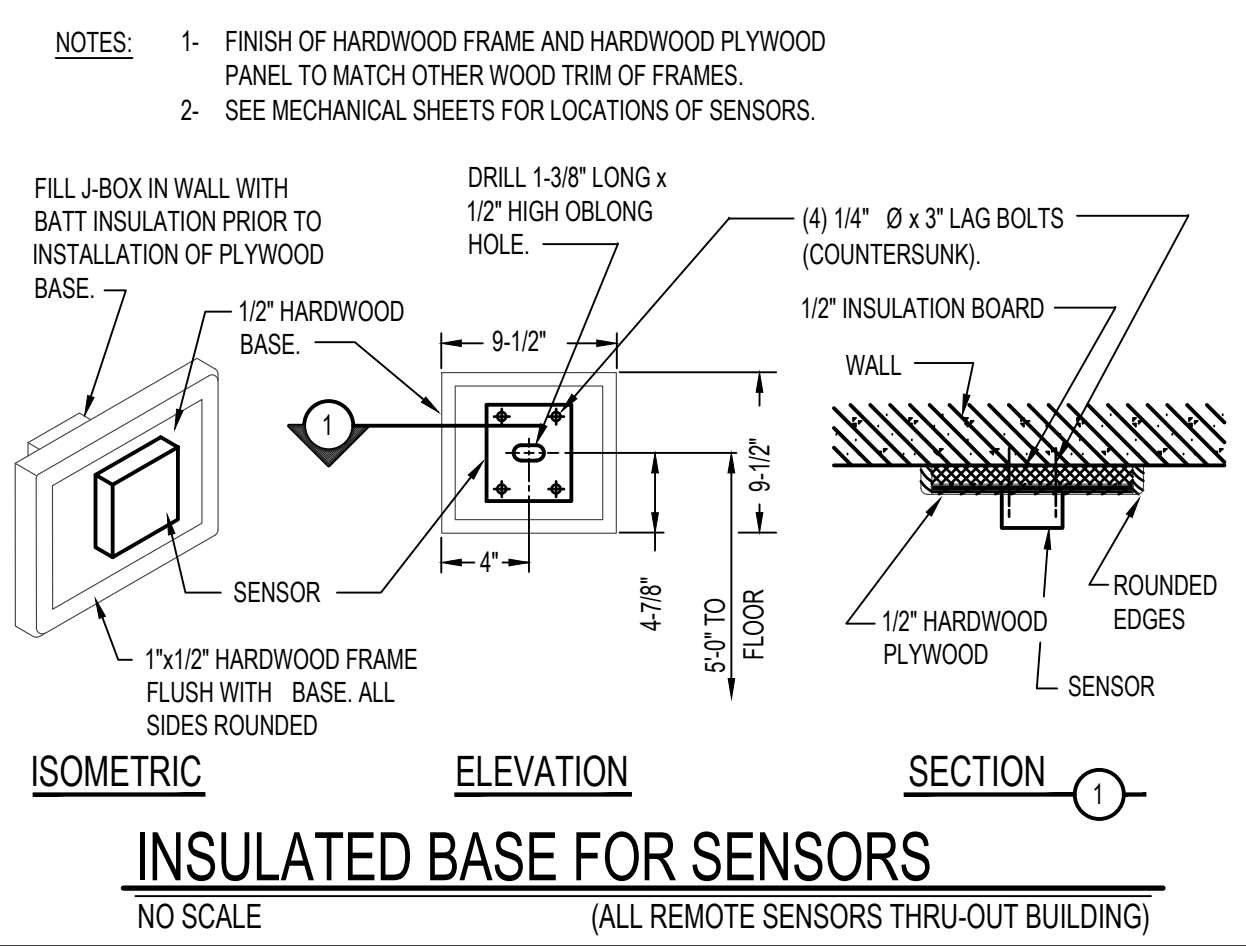
### GAS LINE CONNECTION DETAIL

NO SCALE



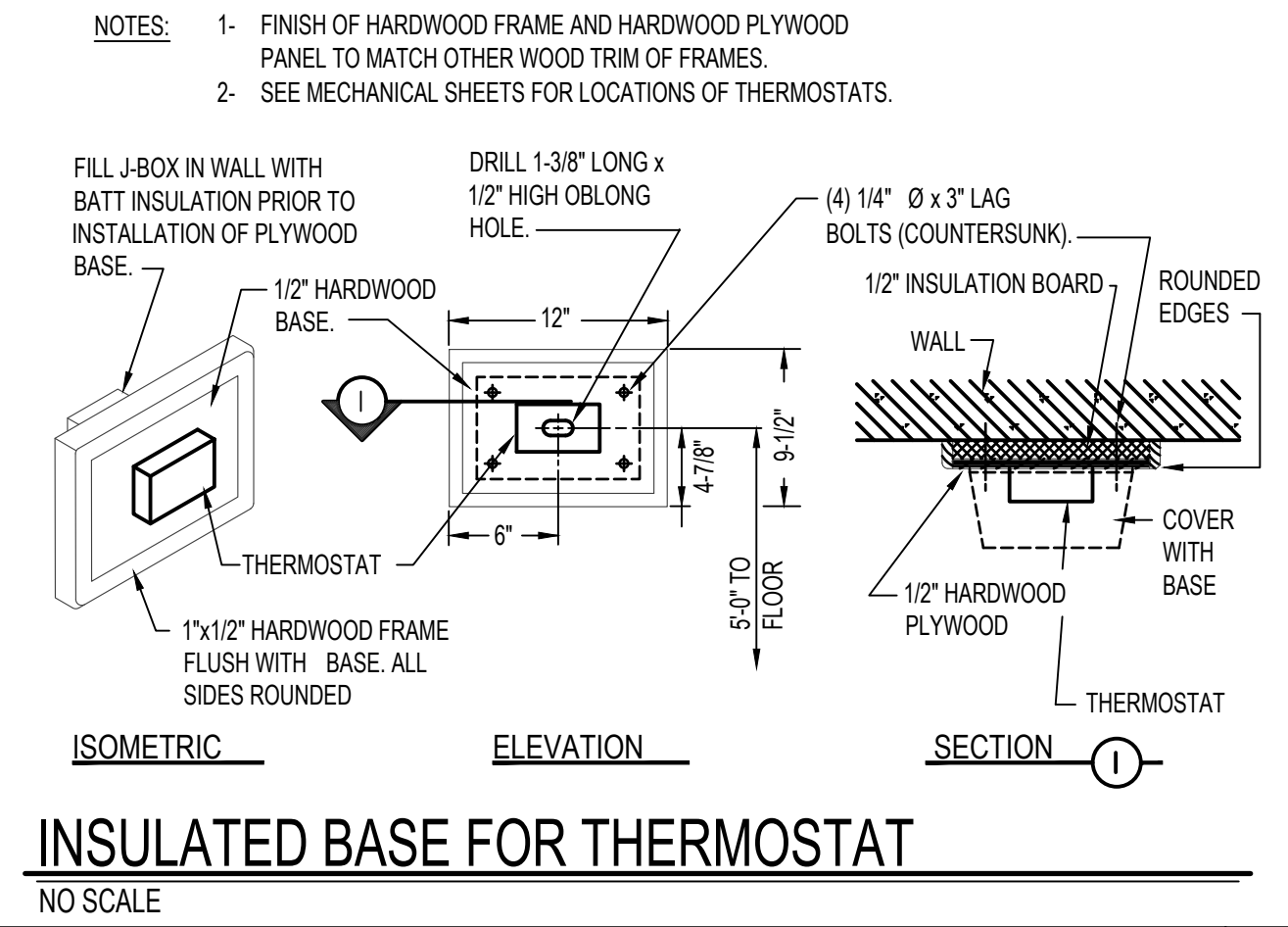
### CEILING DIFFUSER DETAIL WITH FLEXIBLE DUCT

NO SCALE



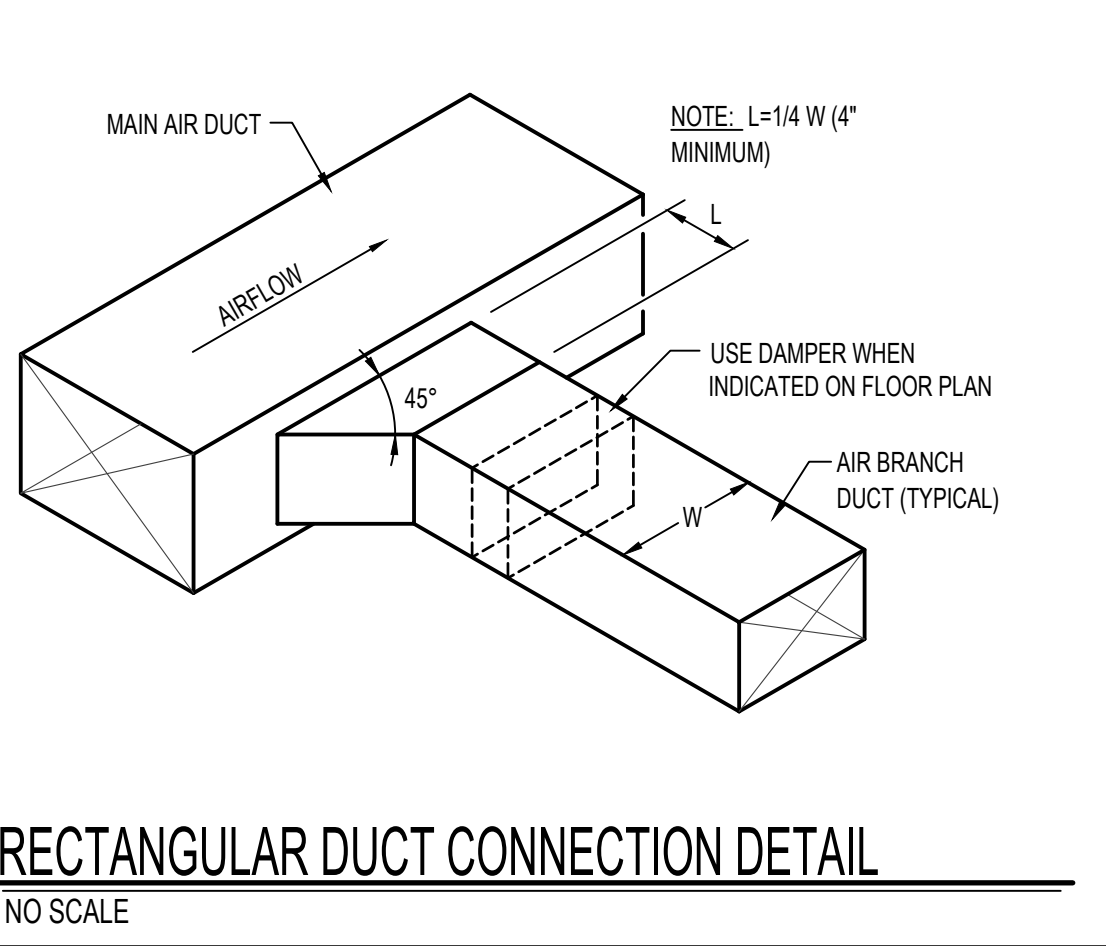
### INSULATED BASE FOR SENSORS

NO SCALE (ALL REMOTE SENSORS THRU-OUT BUILDING)



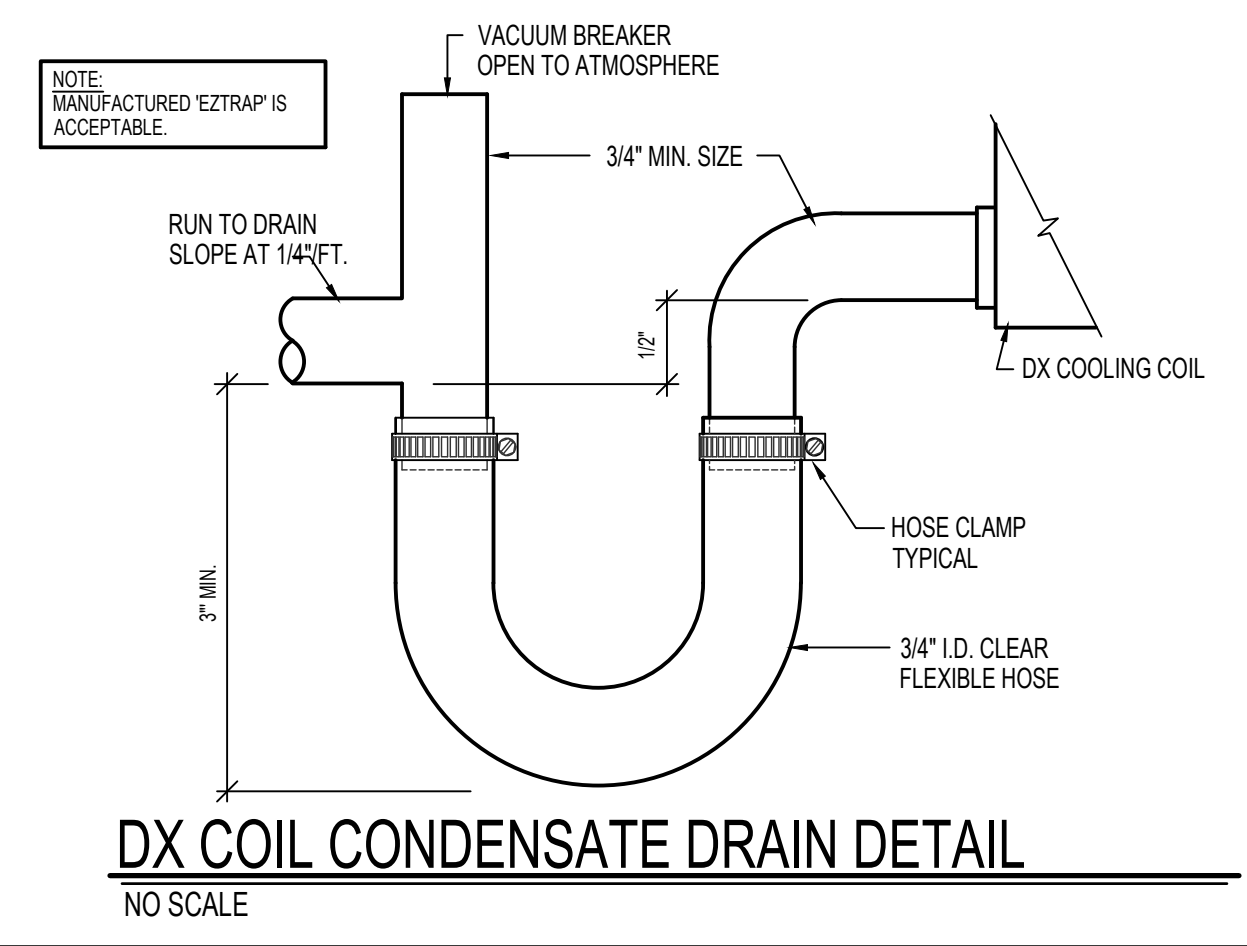
### INSULATED BASE FOR THERMOSTAT

NO SCALE



### RECTANGULAR DUCT CONNECTION DETAIL

NO SCALE



### DX COIL CONDENSATE DRAIN DETAIL

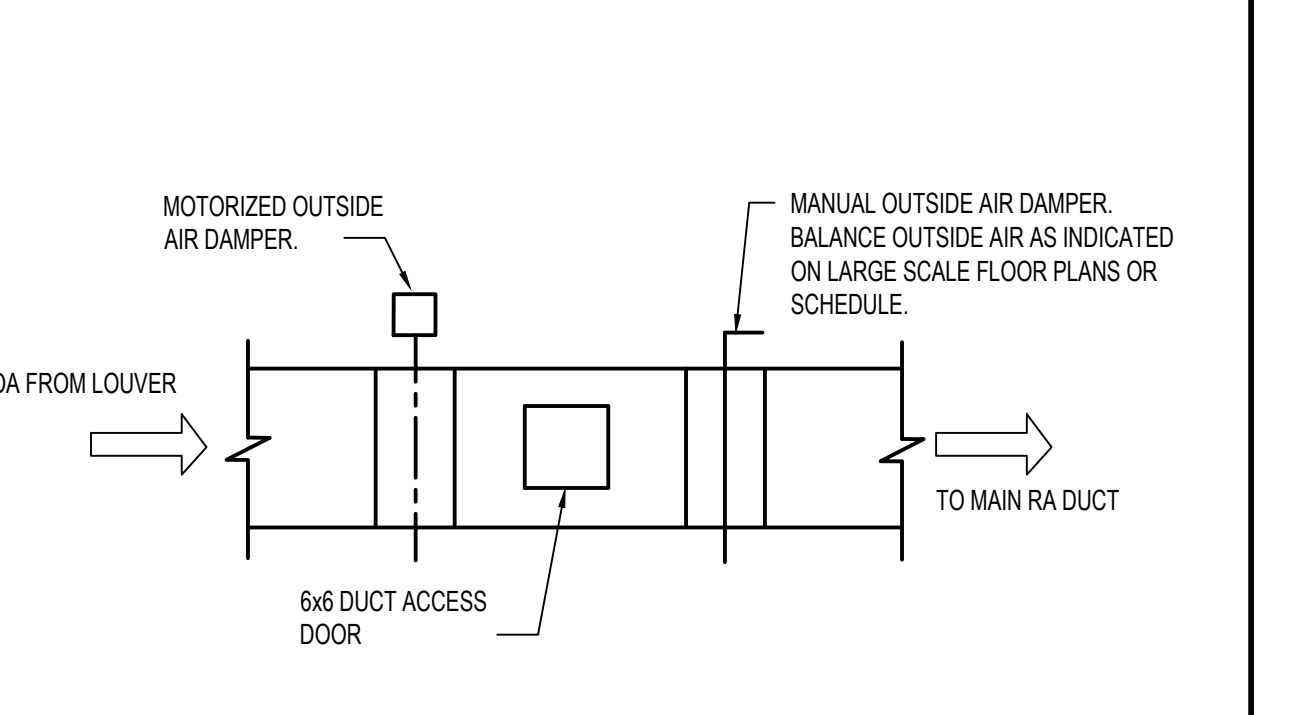
NO SCALE

DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAUGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING (1)					
		MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS & OR INTERMEDIATE REINFORCING		AT JOINTS			
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24
13-18	24	NONE REQUIRED	1	24	24	24	24
19-30	24	1"x1"x18" @ 60 IN	1	-	24	24	24
31-42	22	1"x1"x18" @ 60 IN	1	-	-	22	22

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

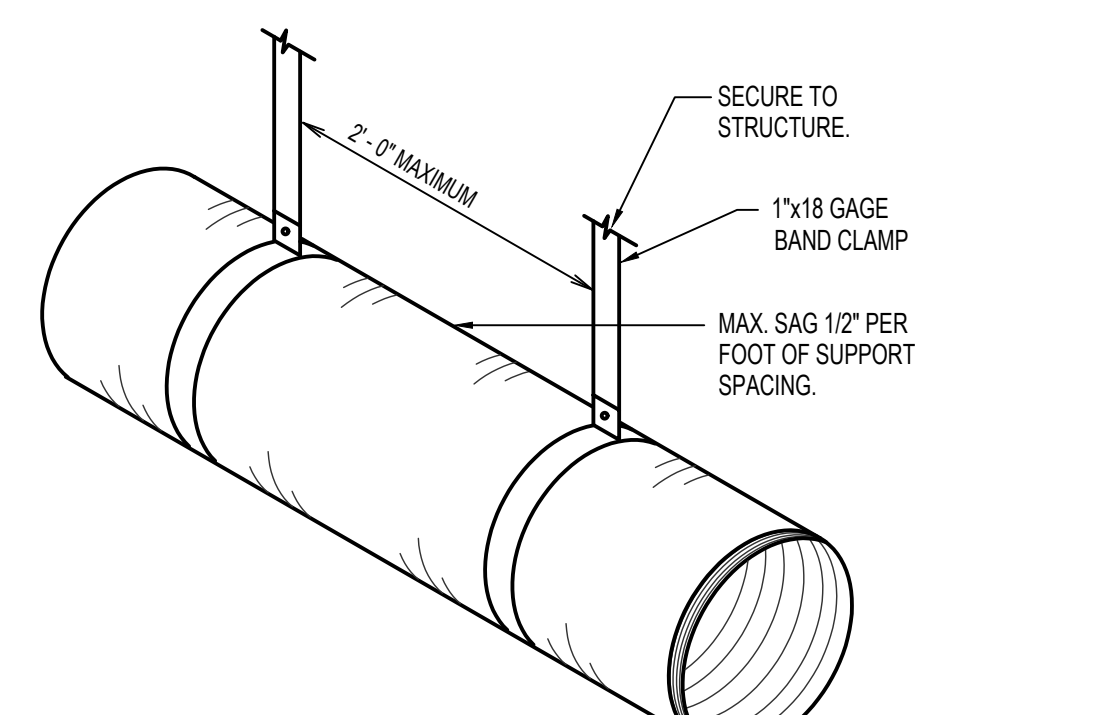
### DUCT CONSTRUCTION DETAIL

NO SCALE



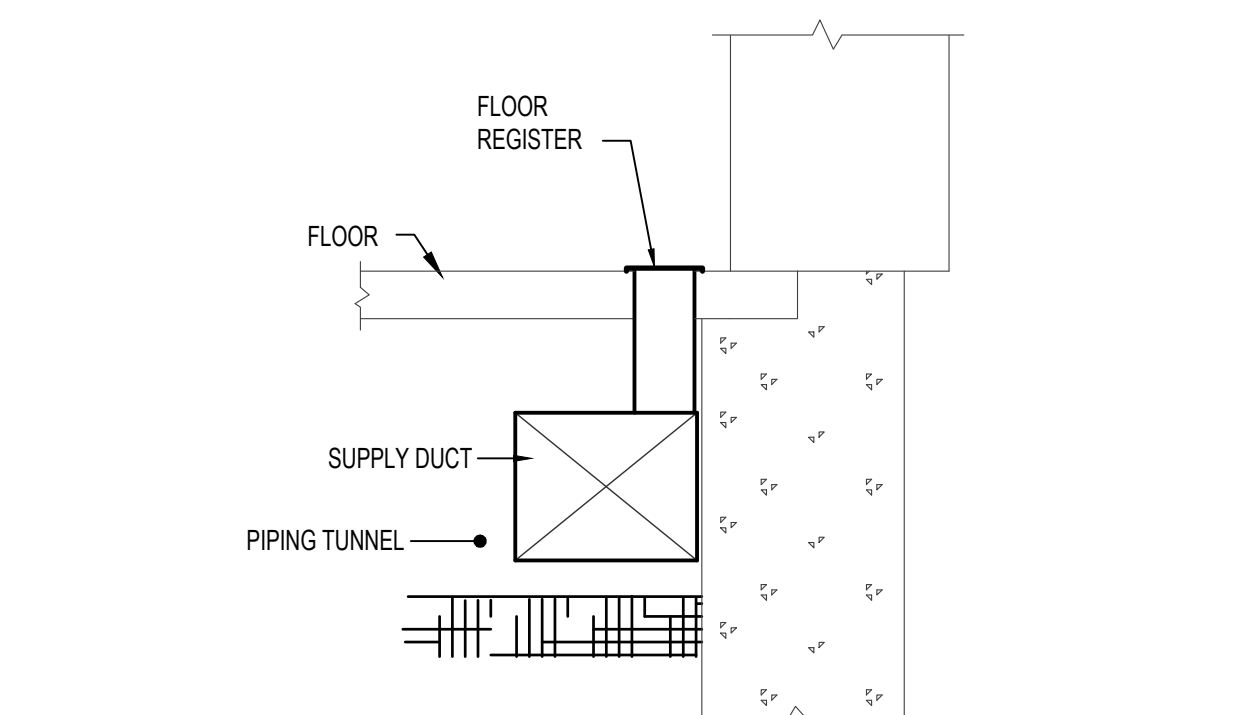
### TYPICAL OUTSIDE AIR DUCT DETAIL

NO SCALE



### FLEXIBLE DUCT SUPPORT DETAIL

NO SCALE



### UNDERFLOOR DUCT AND BOOT CONNECTION

NO SCALE

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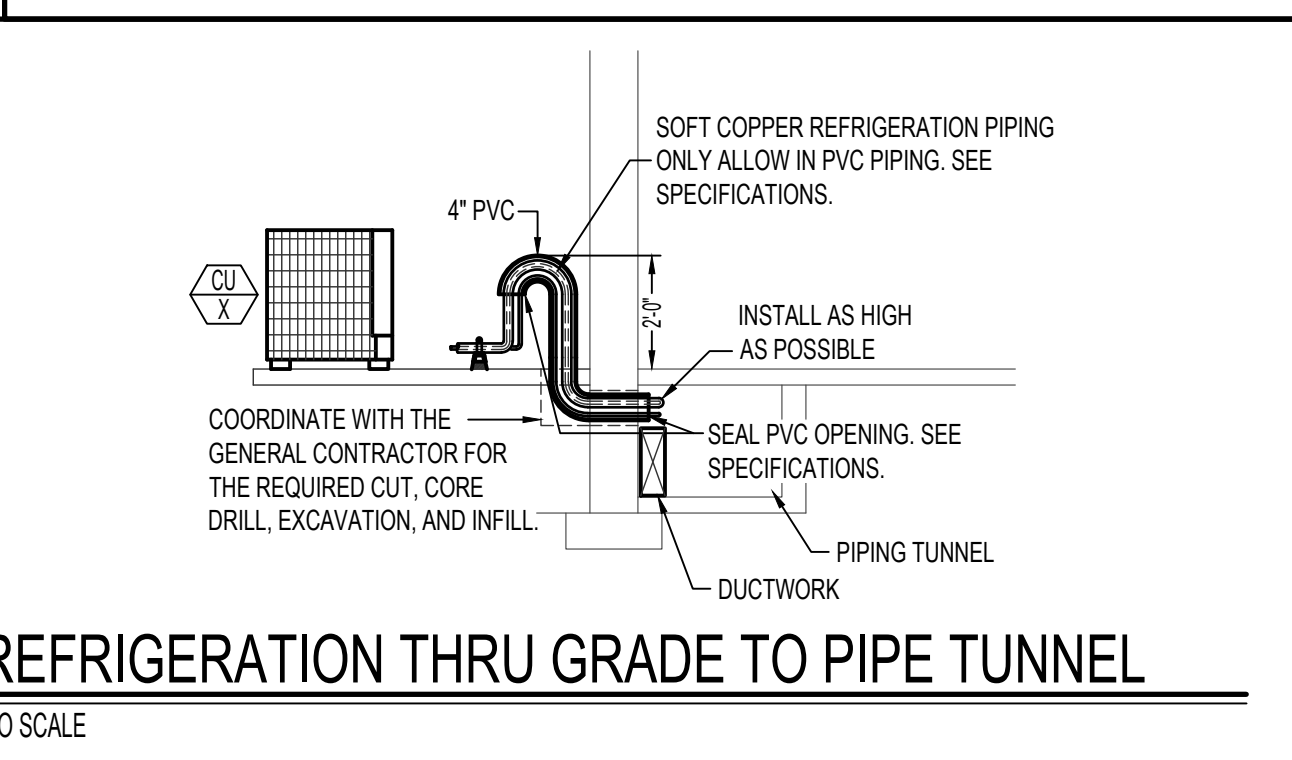
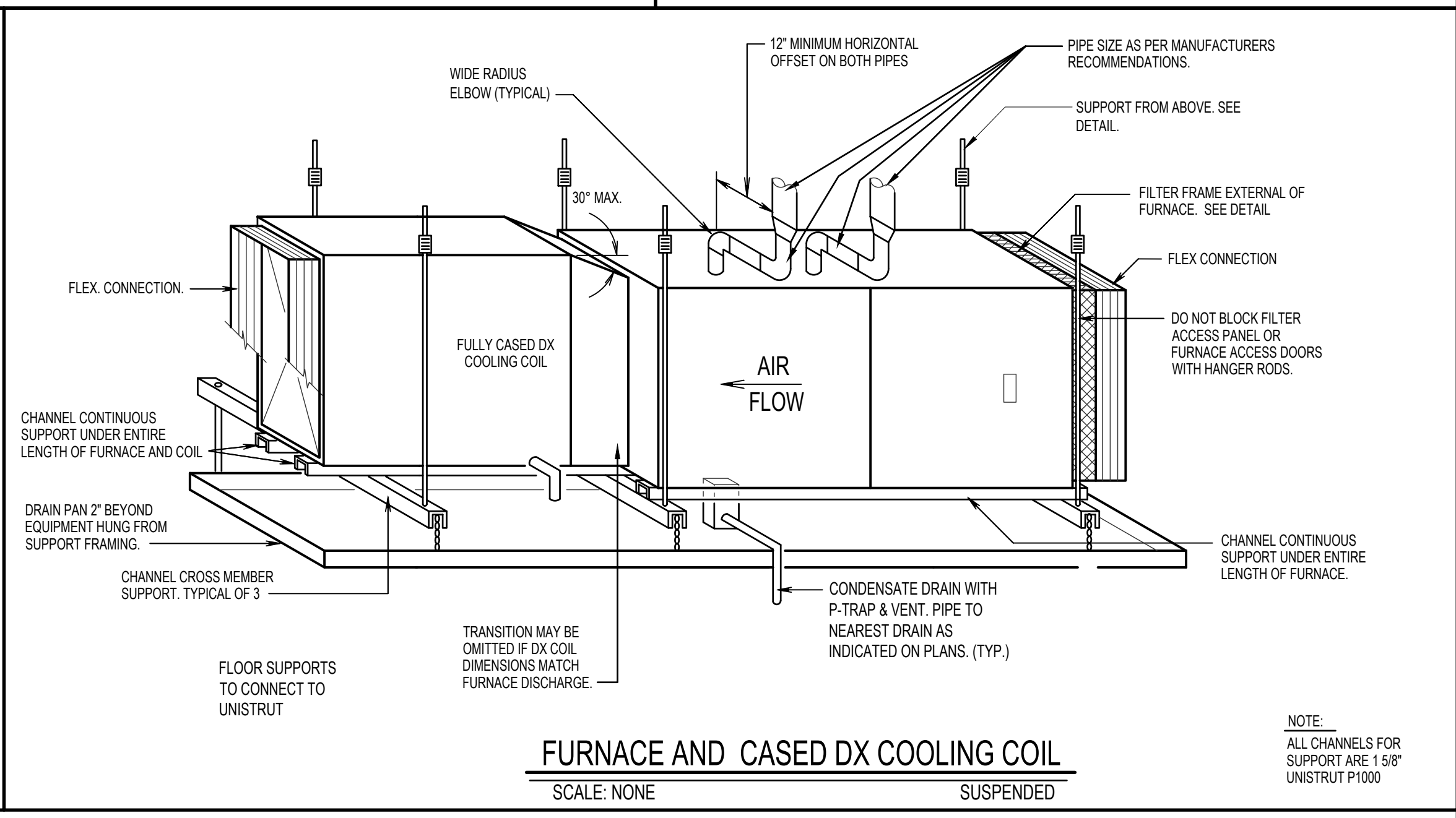
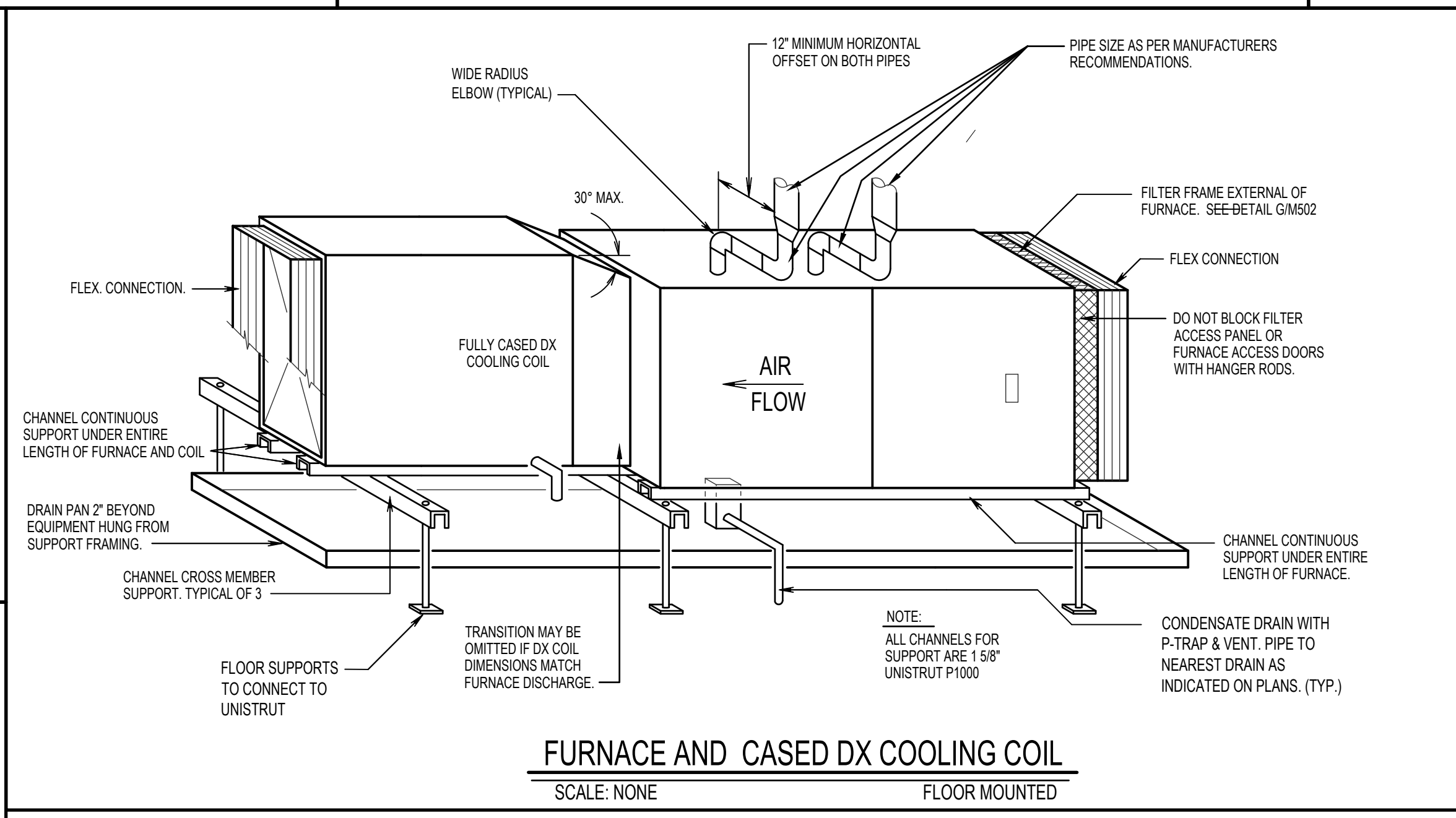
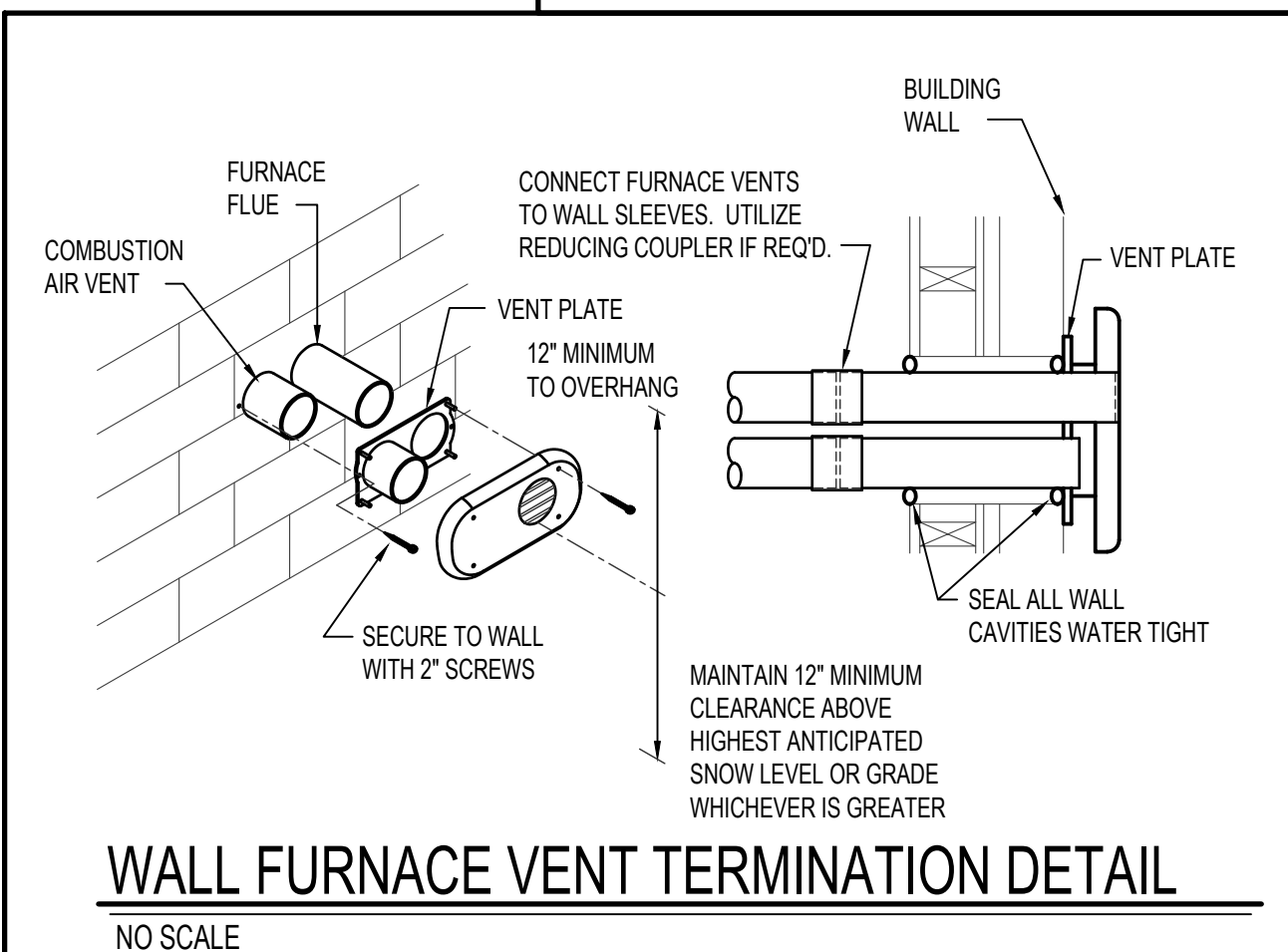
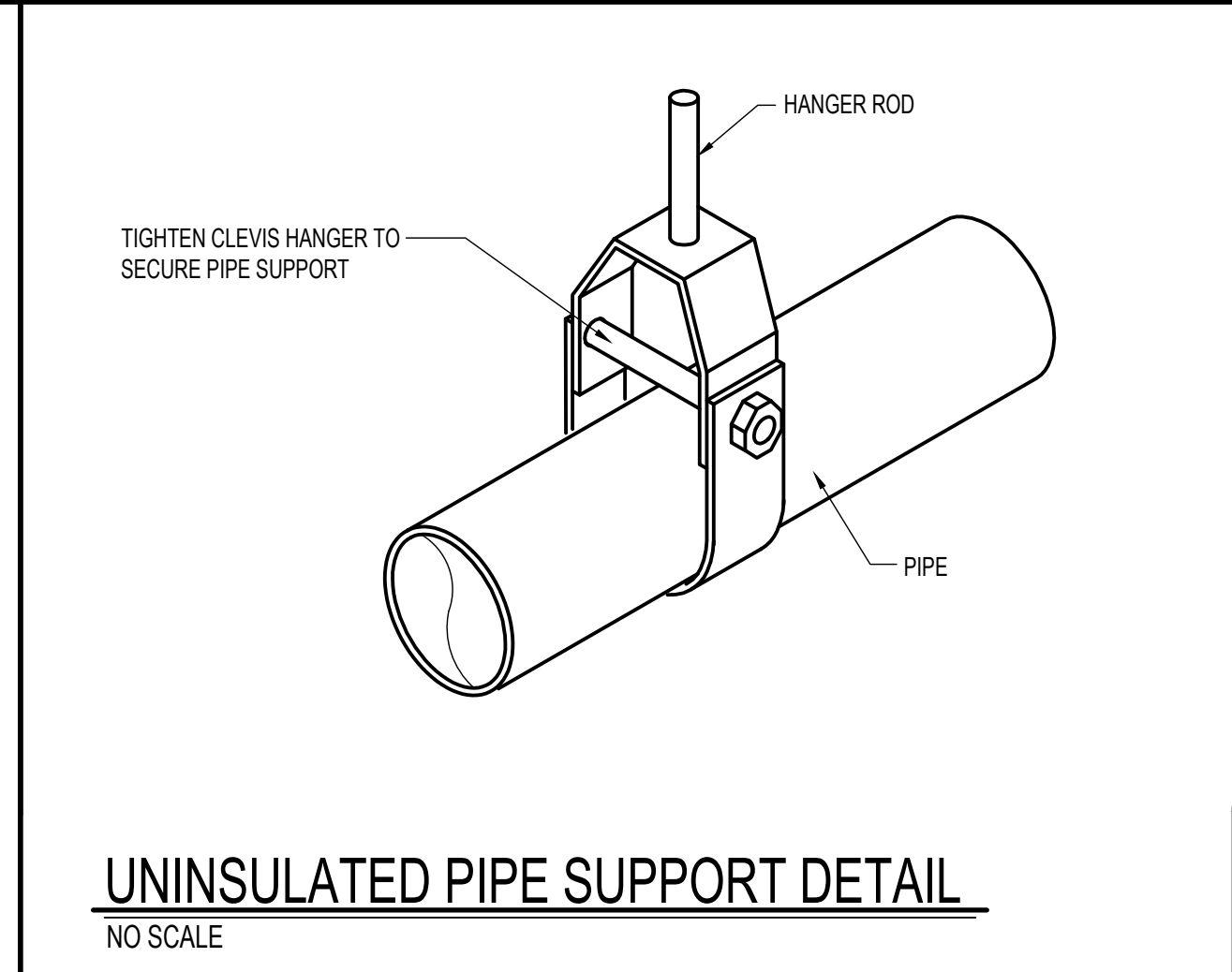
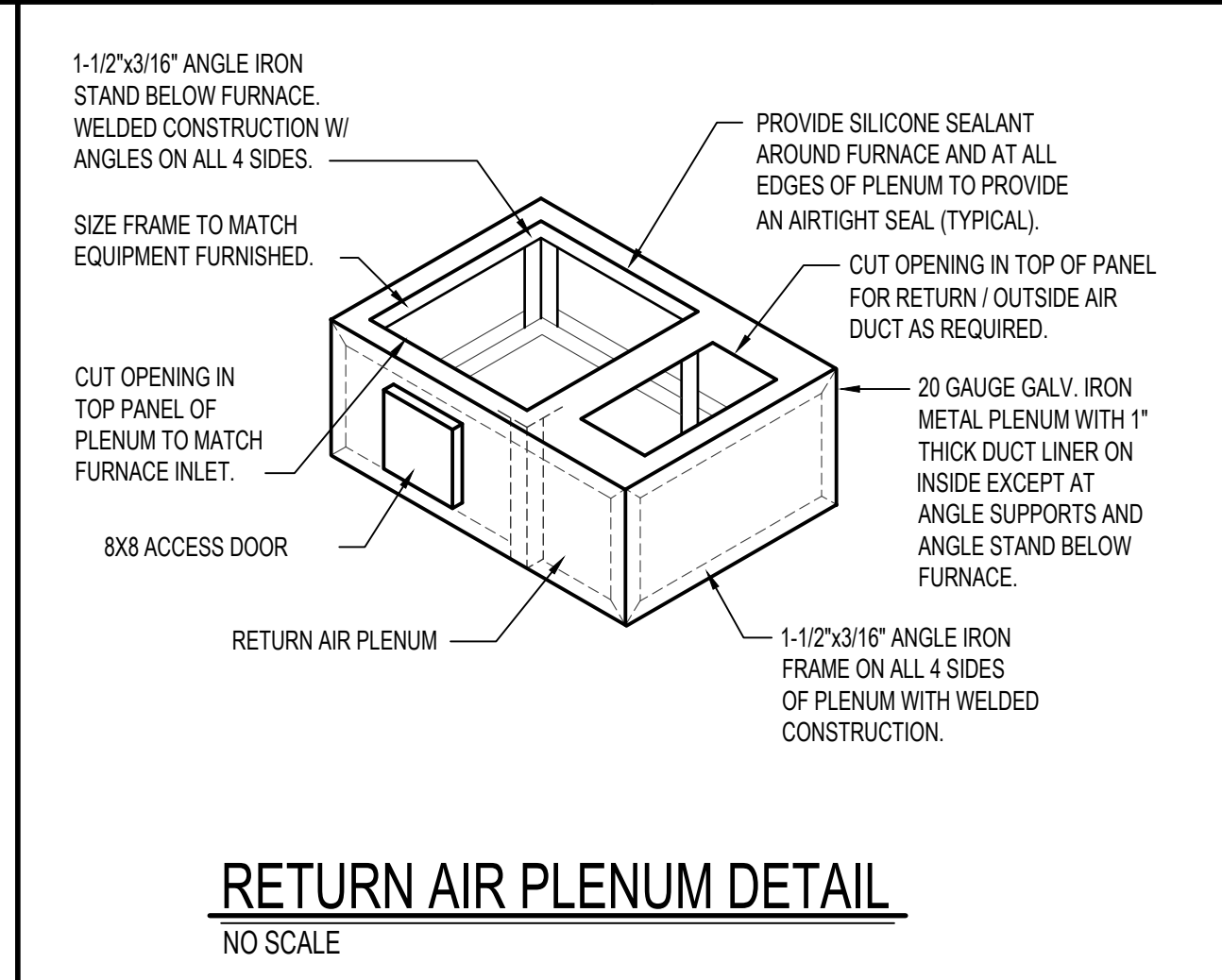
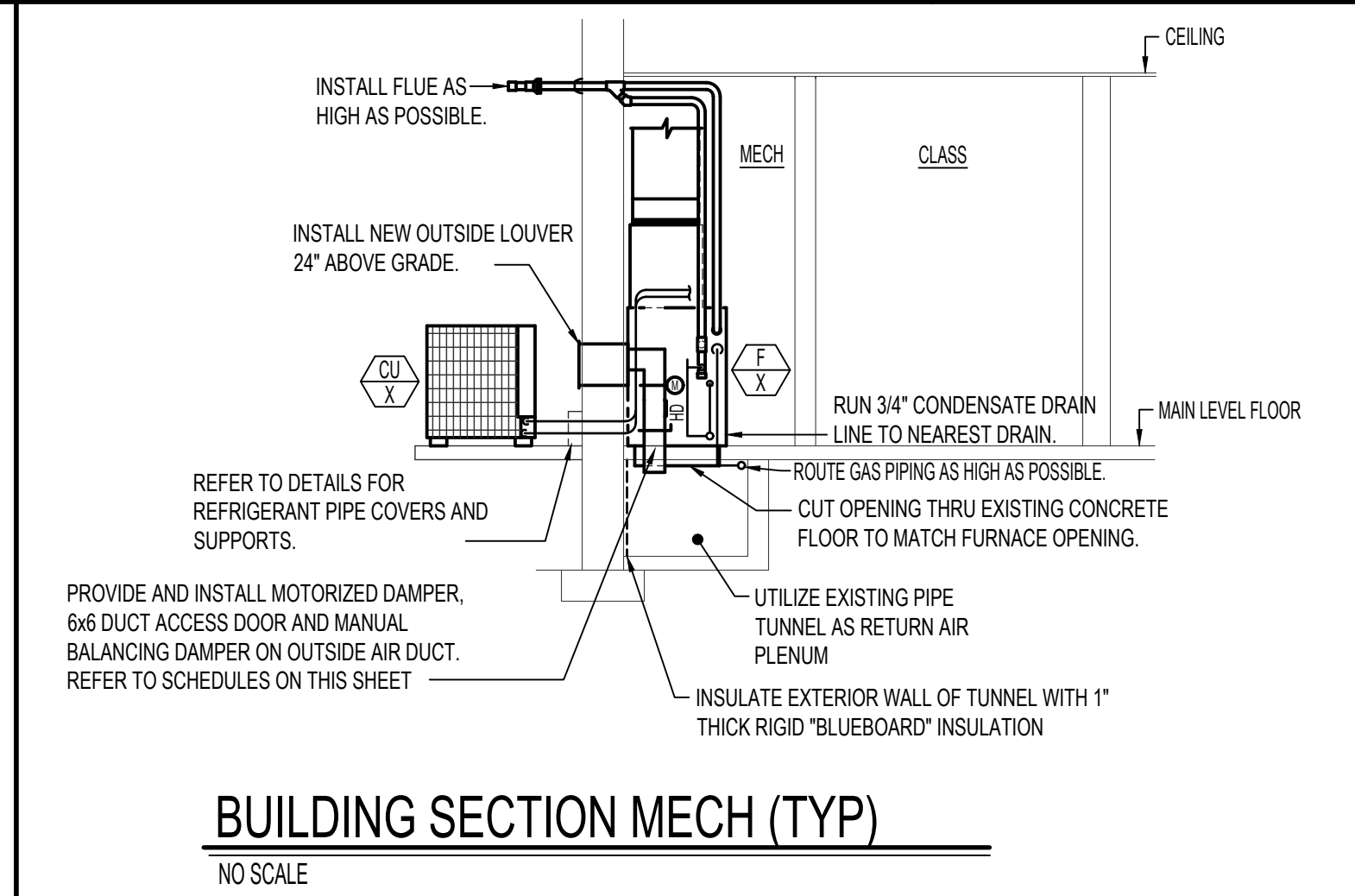
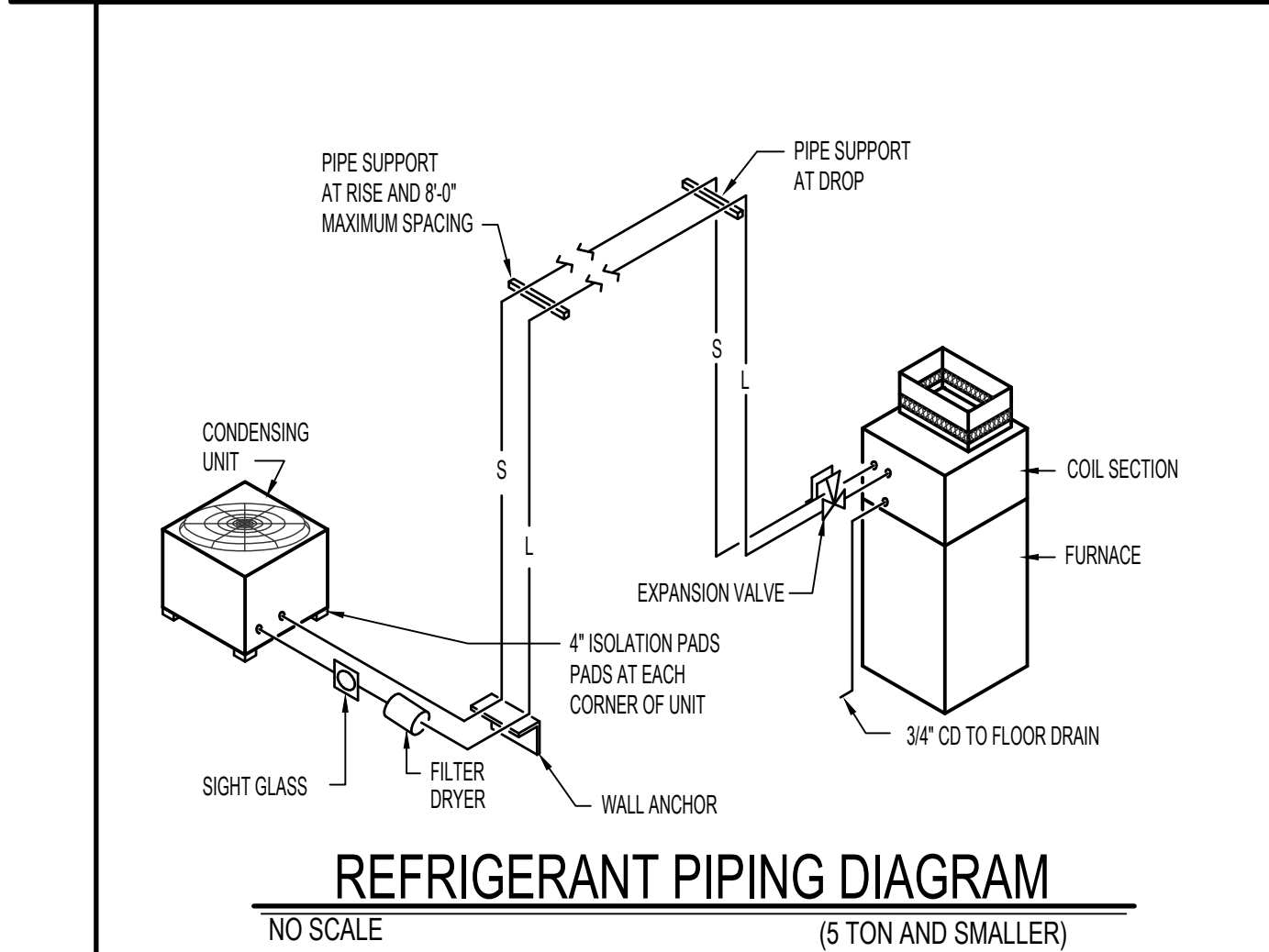
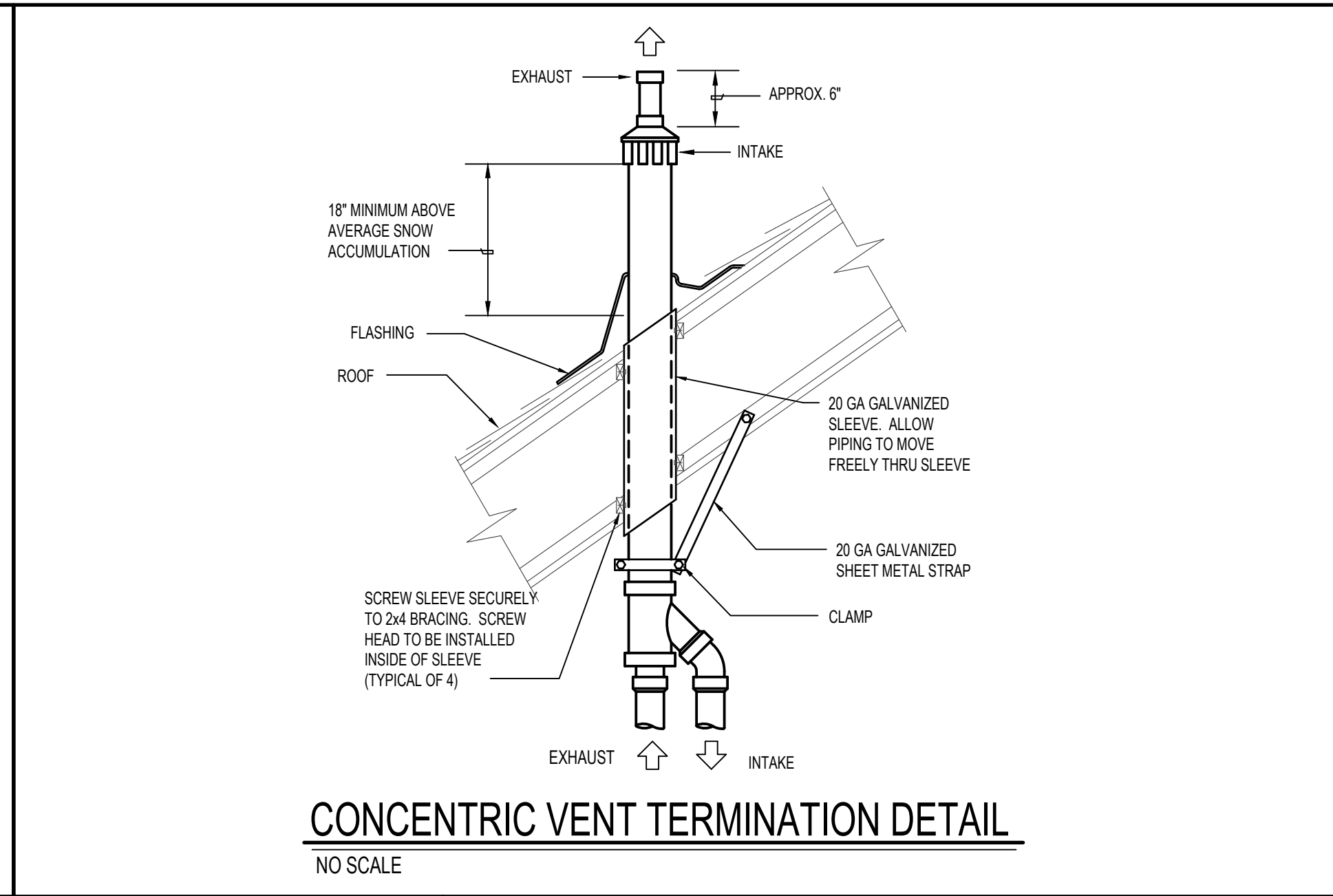
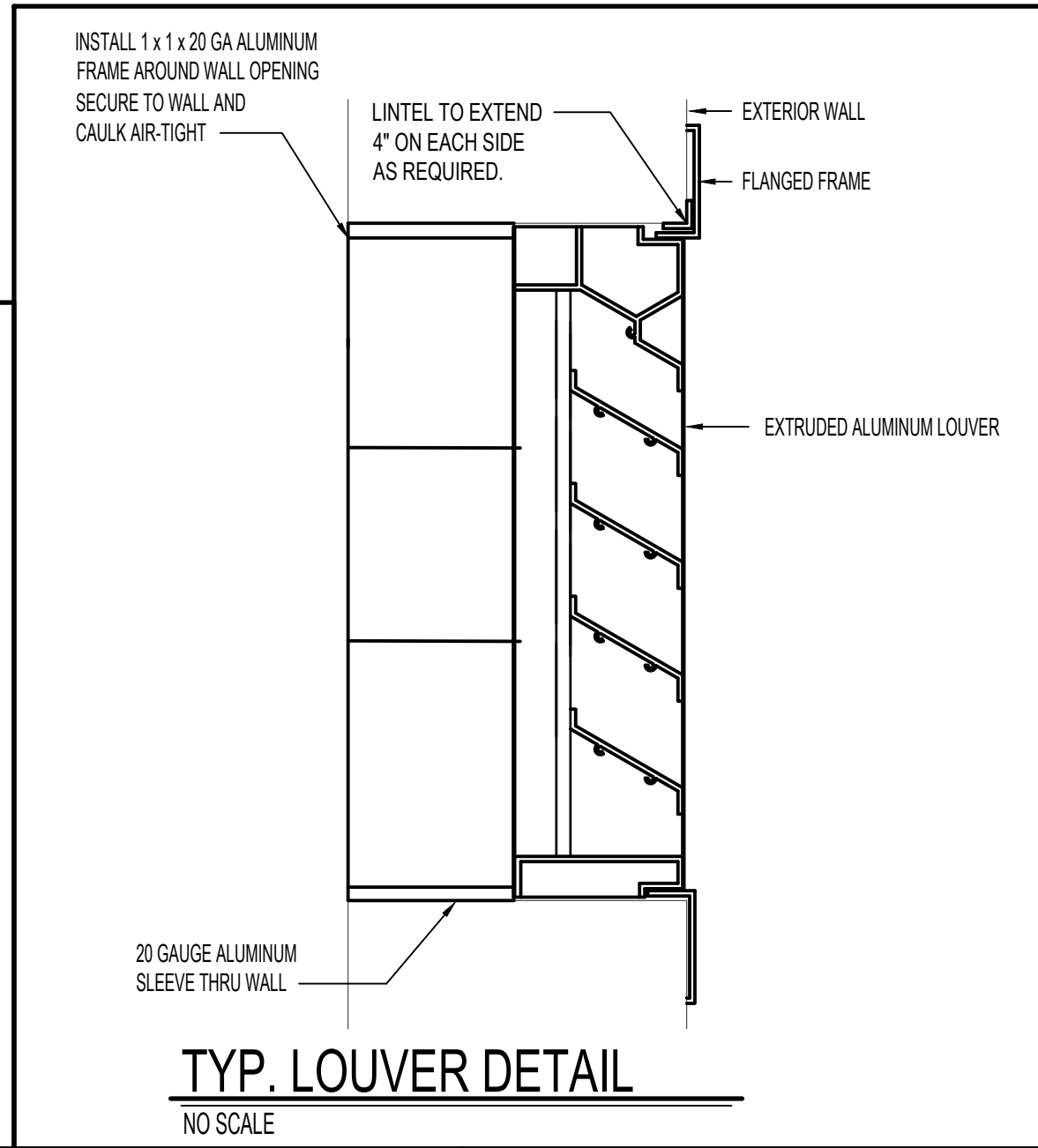
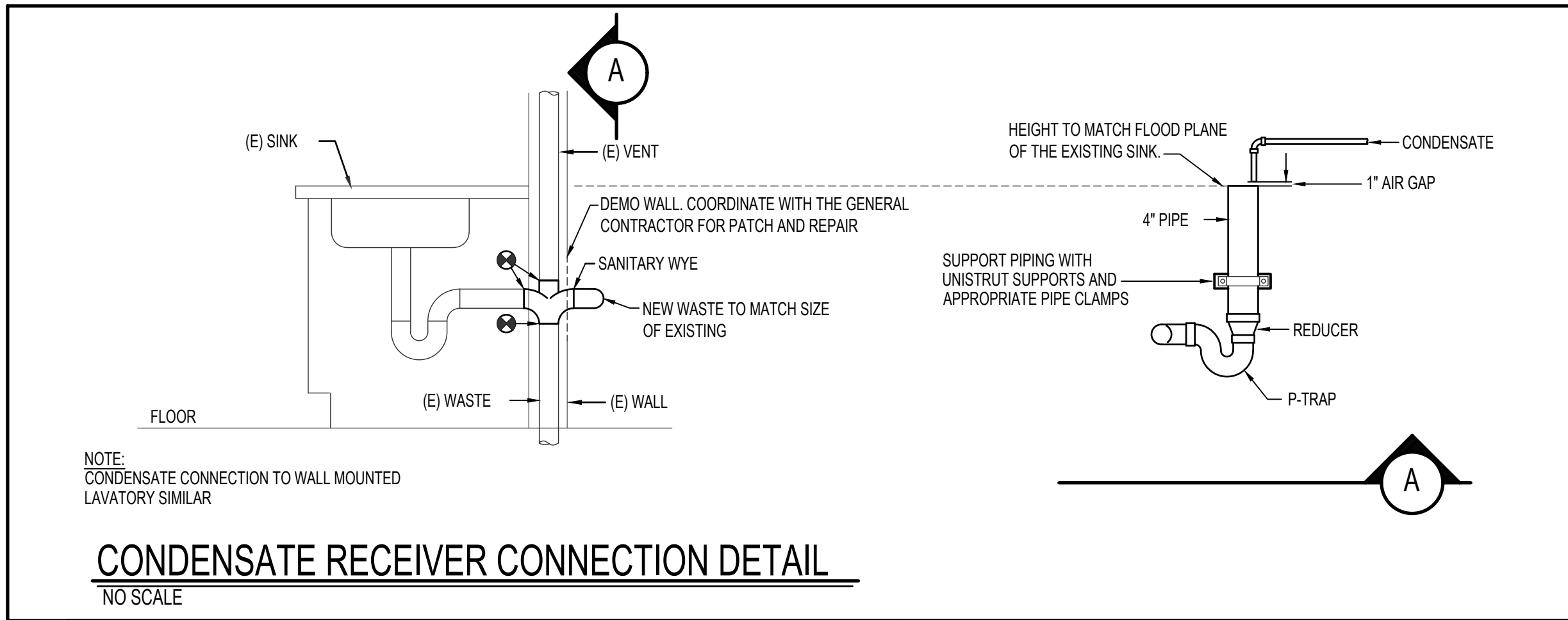
**JH S**  
JENSEN HAYES SHROPSHIRE ARCHITECTS, P.A.

MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD IDAHO  
MECHANICAL DETAILS

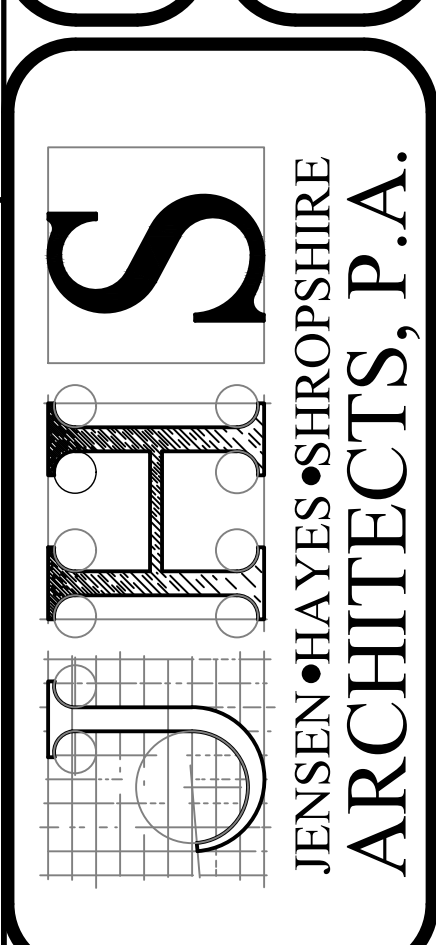
REVISIONS:  
DATE: APRIL 2024  
DRAWING NO. M4.1  
JOB NO. 2214  
6 OF 11

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ESA JOB NUMBER: 22036



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 POCATELLO, IDAHO 83204  
 (208) 232-1223



MALAD CHAPEL REMODEL  
 200 W. 400 N., MALAD IDAHO

MECHANICAL DETAILS

Professional Engineer  
 License No. 18184  
 Exp. 12/31/2024  
 State of Idaho  
 David L. Hansen

Engineered Systems Associates  
 1355 EAST CENTER  
 POCATELLO, IDAHO 83201  
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 ESA JOB NUMBER: 22036

REVISIONS:

DATE: APRIL 2024  
 DRAWING NO. M4.2  
 JOB NO. 2214  
 7 OF 11

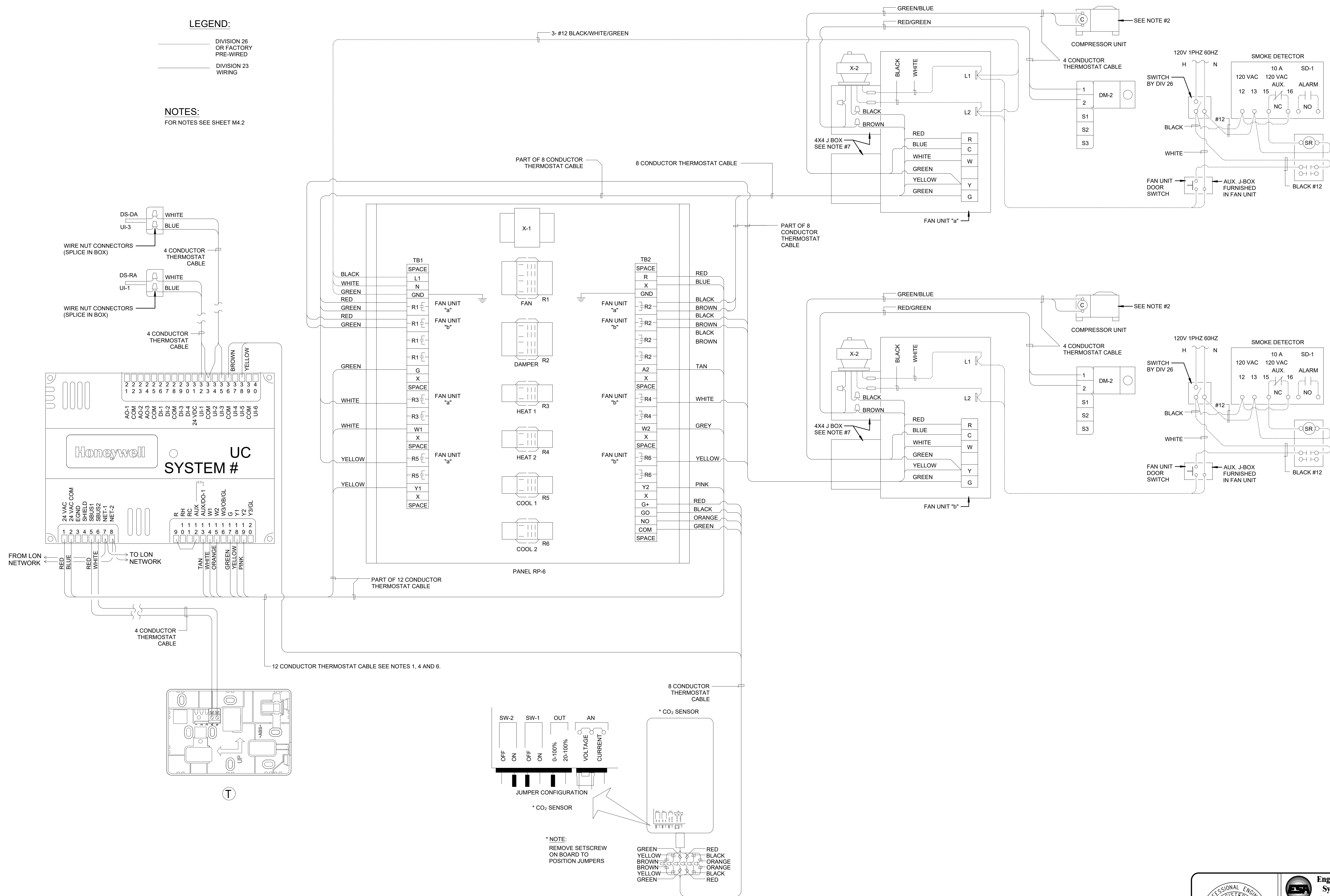


**LEGEND:**

- DIVISION 26 OR FACTORY PRE-WIRED
- DIVISION 23 WIRING

**NOTES:**

FOR NOTES SEE SHEET M4.2

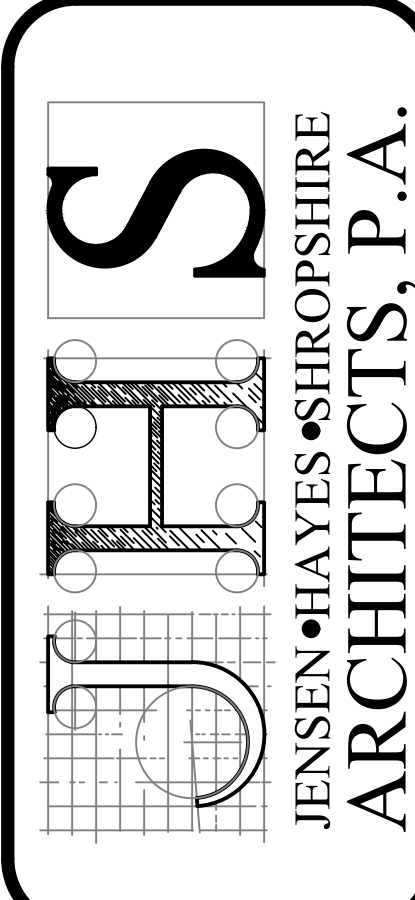


**WIRING DIAGRAM**

SYSTEMS: F-1A/B

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**MALAD CHAPEL REMODEL**  
200 W. 400 N., MALAD IDAHO

**CONTROLS**

REVISIONS:

DATE: APRIL 2024  
DRAWING NO. **M5.1**  
JOB NO. 2214  
8 OF 11

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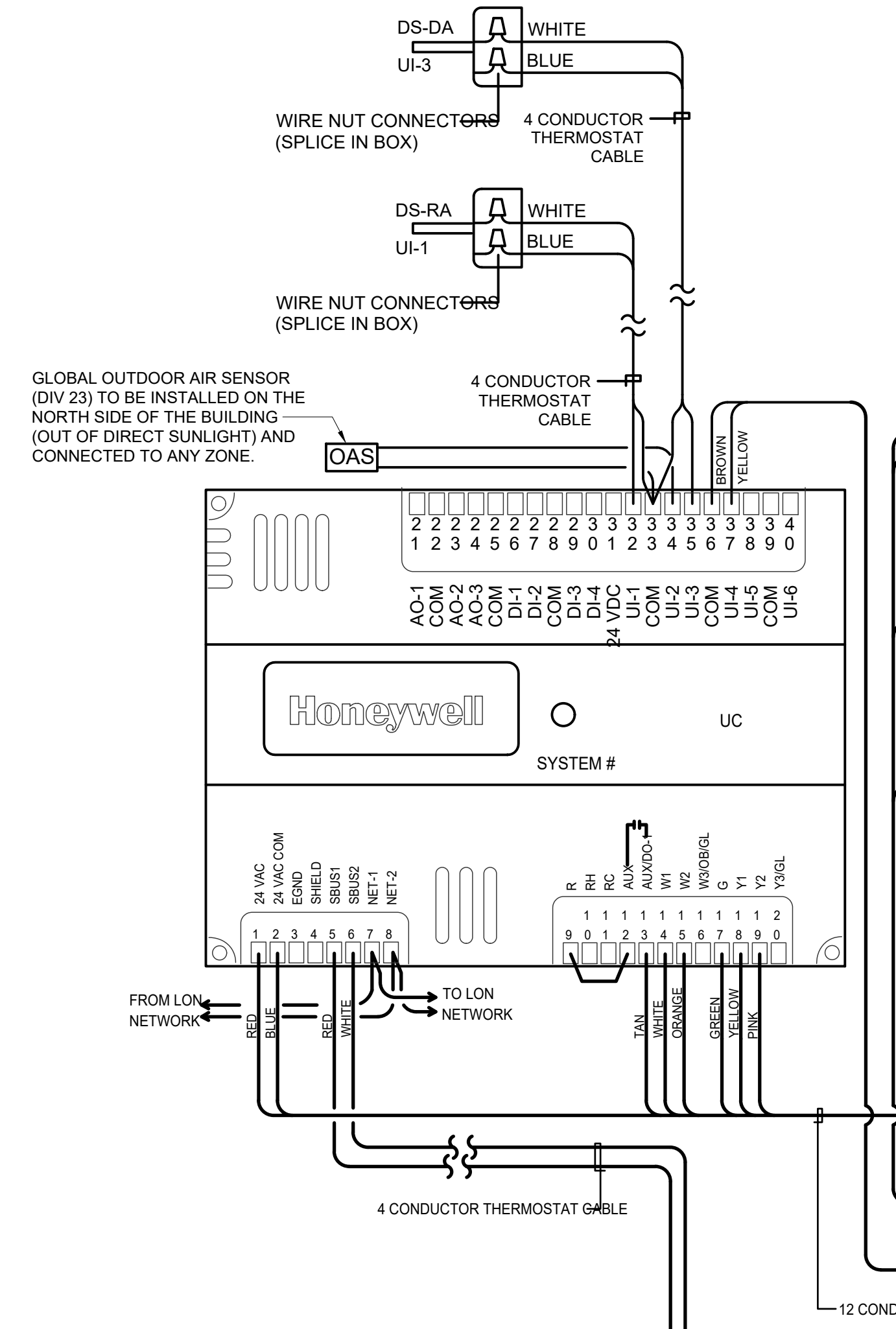
PROFESSIONAL ENGINEER  
DAVID L. HANSEN  
APR 17, 2024  
18184

**LEGEND:**

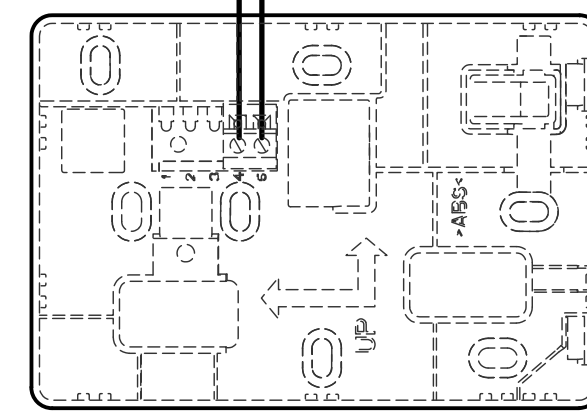
DIVISION 26  
OR FACTORY  
PRE-WIRED

DIVISION 23  
WIRING

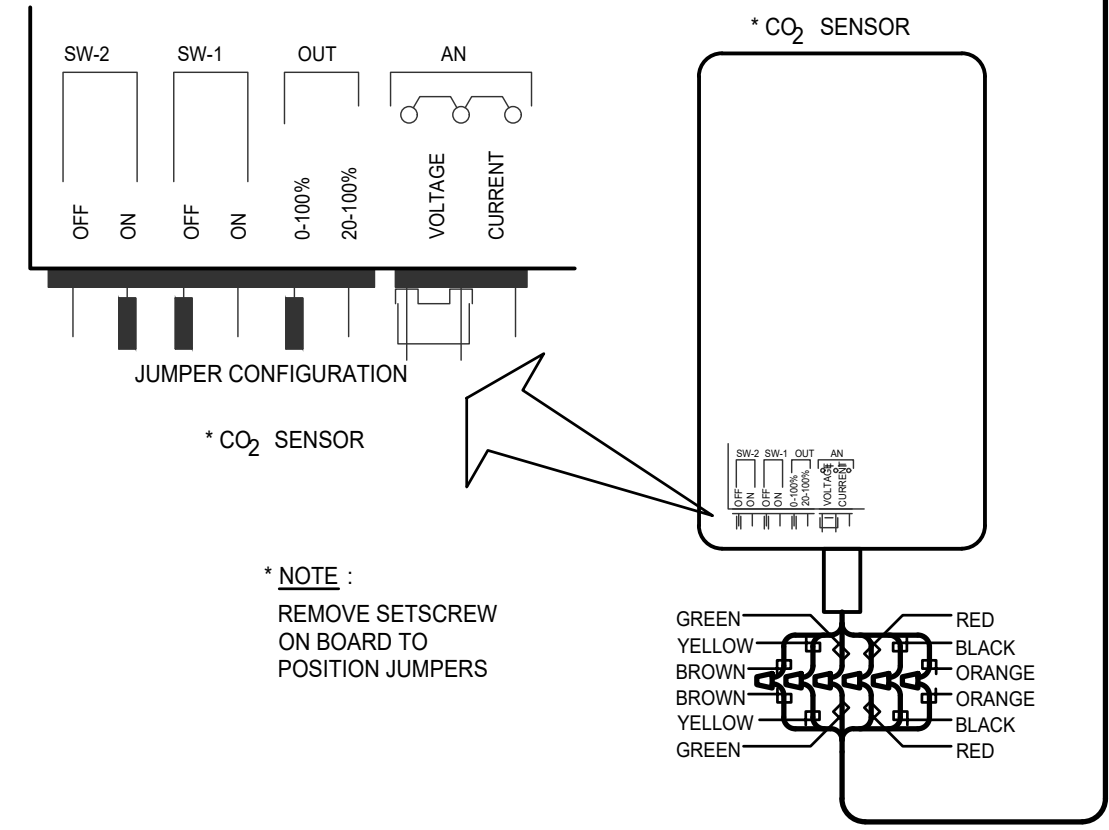
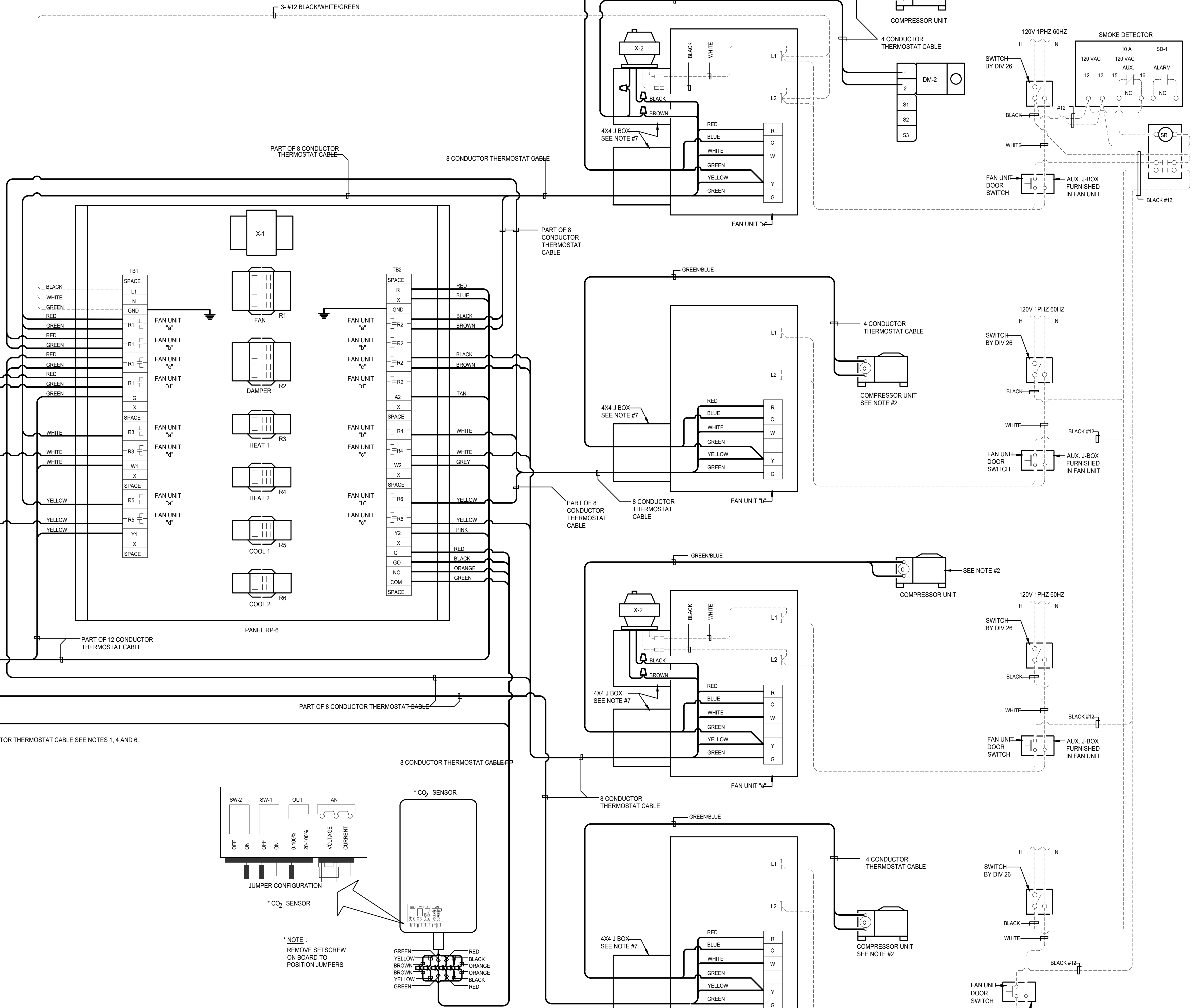
NOTES:  
FOR NOTES SEE SHEET ME3.2



PROVIDE THERMOSTAT GUARD,  
G-1 AT SYSTEM CULTURAL HALL  
AIR HANDLER

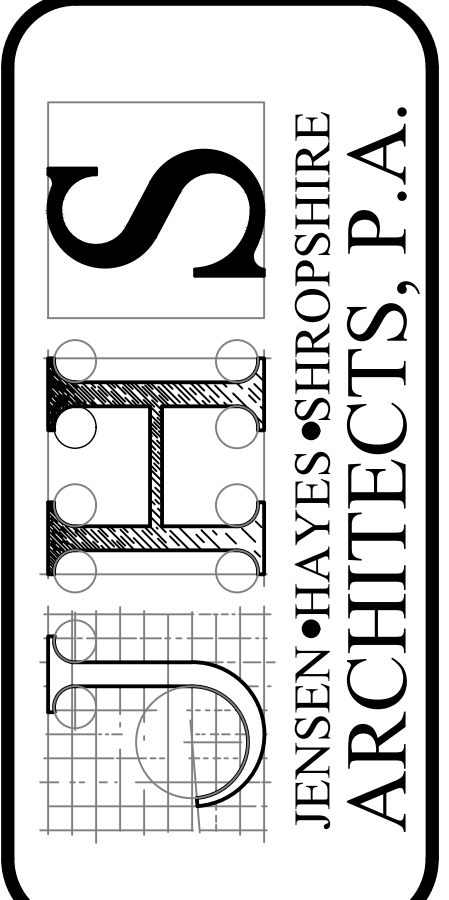


SYSTEMS: F-2A/B/C/D



WIRING DIAGRAM  
SYSTEMS: F-2A/B/C/D

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MALAD CHAPEL REMODEL  
200 W. 400 N., MALAD IDAHO

CONTROLS

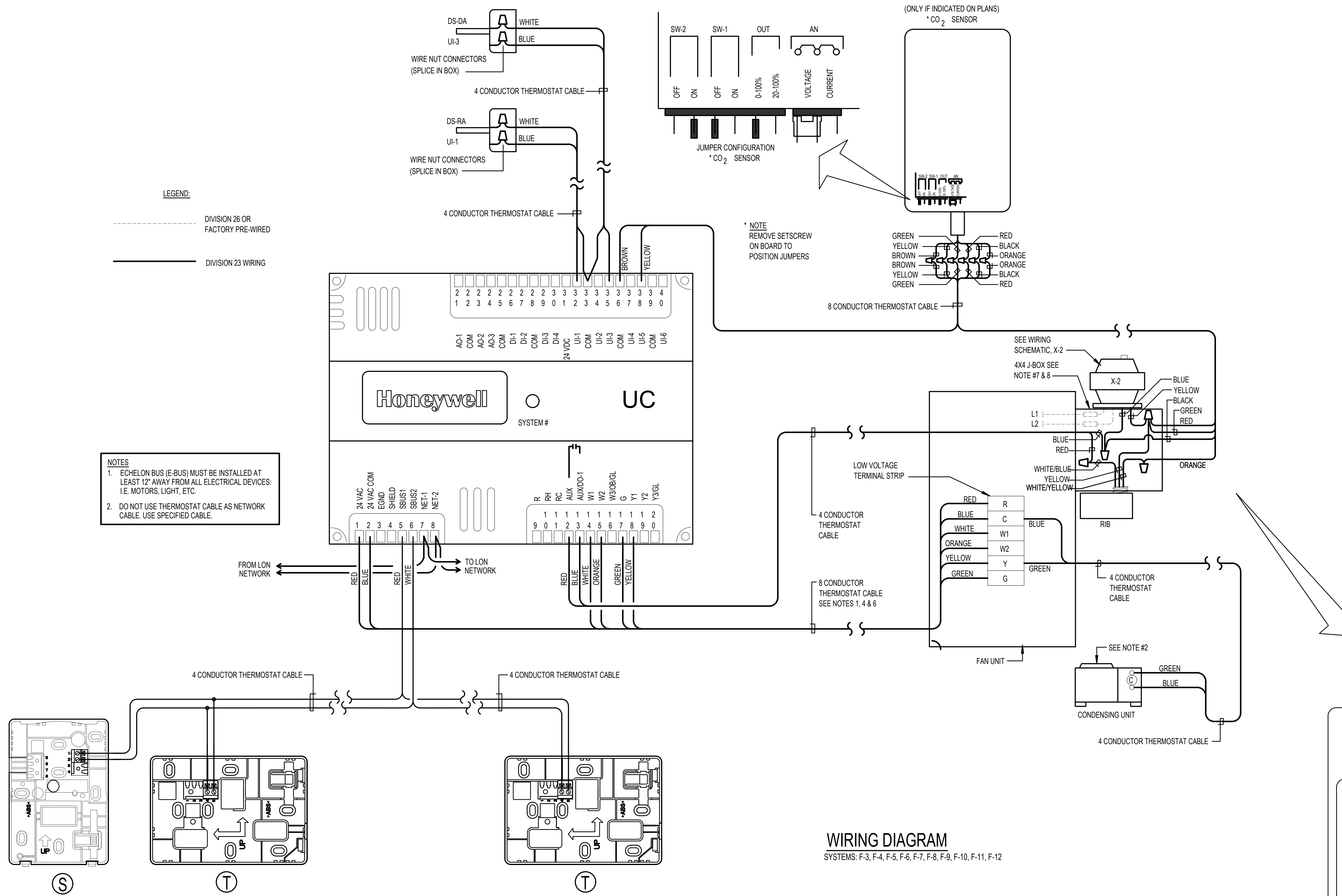
REVISIONS:

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18184  
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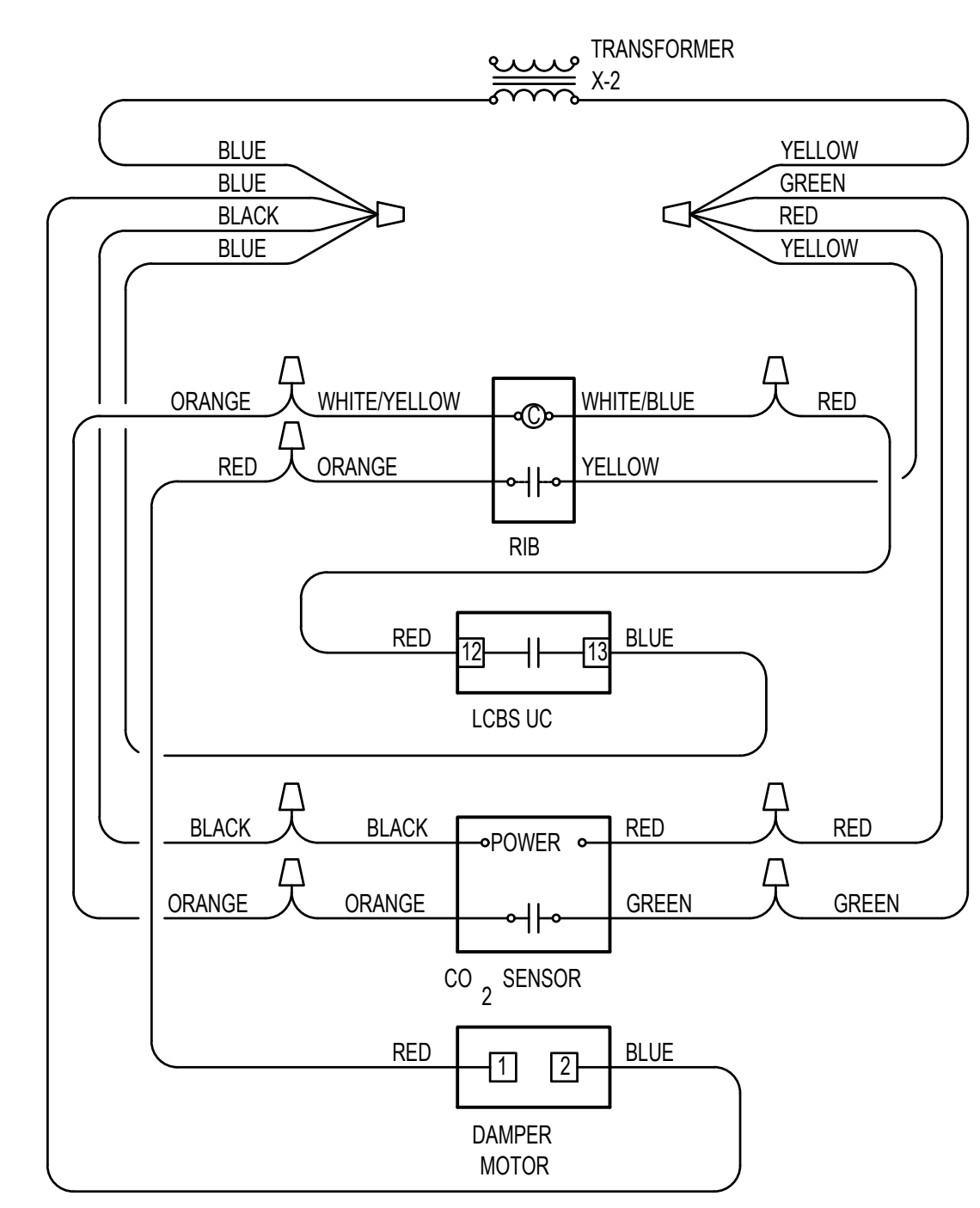
DATE: APRIL 2024  
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JOB NO. 2214  
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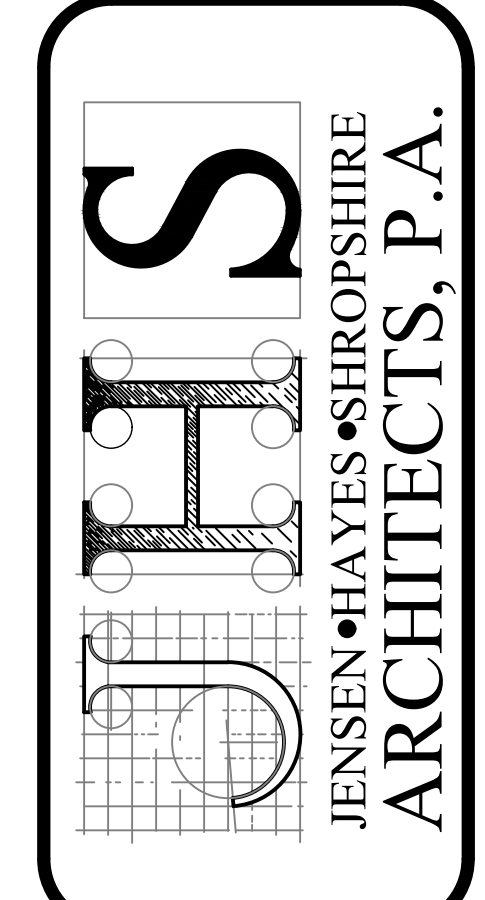
**NOTES:**  
 1. ECHELON BUS (E-BUS) MUST BE INSTALLED AT LEAST 12" AWAY FROM ALL ELECTRICAL DEVICES: I.E. MOTORS, LIGHT, ETC.  
 2. DO NOT USE THERMOSTAT CABLE AS NETWORK CABLE. USE SPECIFIED CABLE.

- NOTES :**
1. THERMOSTAT CABLE- 4, 8 OR 12 CONDUCTOR- 18 AWG SOLID COPPER WIRE INSULATED WITH HIGH DENSITY POLYETHYLENE. CONDUCTORS PARALLEL. ENCLOSED IN BROWN PVC JACKET. (NO 22 AWG CABLE ALLOWED).
  2. IF COMPRESSOR UNITS HAVE THEIR OWN POWER SUPPLY IT MAY BE NECESSARY TO ADD ADDITIONAL RELAYS IN COMPRESSOR UNIT TO PROPERLY INTERFACE CONTROLS.
  3. USE WIRE NUT CONNECTORS FOR SPLICING CONDUCTORS IN SPECIFIED LOCATIONS, AND TYTON TYPE GRIMP CONNECTORS FOR TERMINAL CONNECTIONS. NO TERMINAL CONNECTORS REQUIRED AT THERMOSTAT OR SENSOR.
  4. DO NOT RUN ANY OTHER WIRING IN THIS CONDUIT EXCEPT THERMOSTAT CABLE.
  5. VERIFY THAT FAN UNIT FAN SPEED CONTROL WIRING IS SET TO MATCH SCHEDULE SHEET AND THAT FAN OPERATES AT COOLING SPEED ONLY.
  6. DO NOT SPLICE WIRE IN RUNS FROM SENSOR TO THERMOSTAT, THERMOSTAT TO FURNACE, AND THERMOSTAT TO DISCHARGE AIR SENSOR.
  7. PROVIDE CHASE NIPPLE WITH PLASTIC BUSHING WHEN ATTACHING J-BOX TO EQUIPMENT.
  8. PROVIDE CABLE-CLAMP SO THAT CABLES CANNOT BE PULLED OUT OF J-BOX.



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 200 W. 400 N., MALAD IDAHO

**CONTROLS**

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APR 17, 2024  
 18184  
 DATE OF IDAHO  
 L. HANSEN

REVISIONS:	DATE: APRIL 2024	DRAWING NO. M5.3
JOB NO. 2214	10 OF 11	

