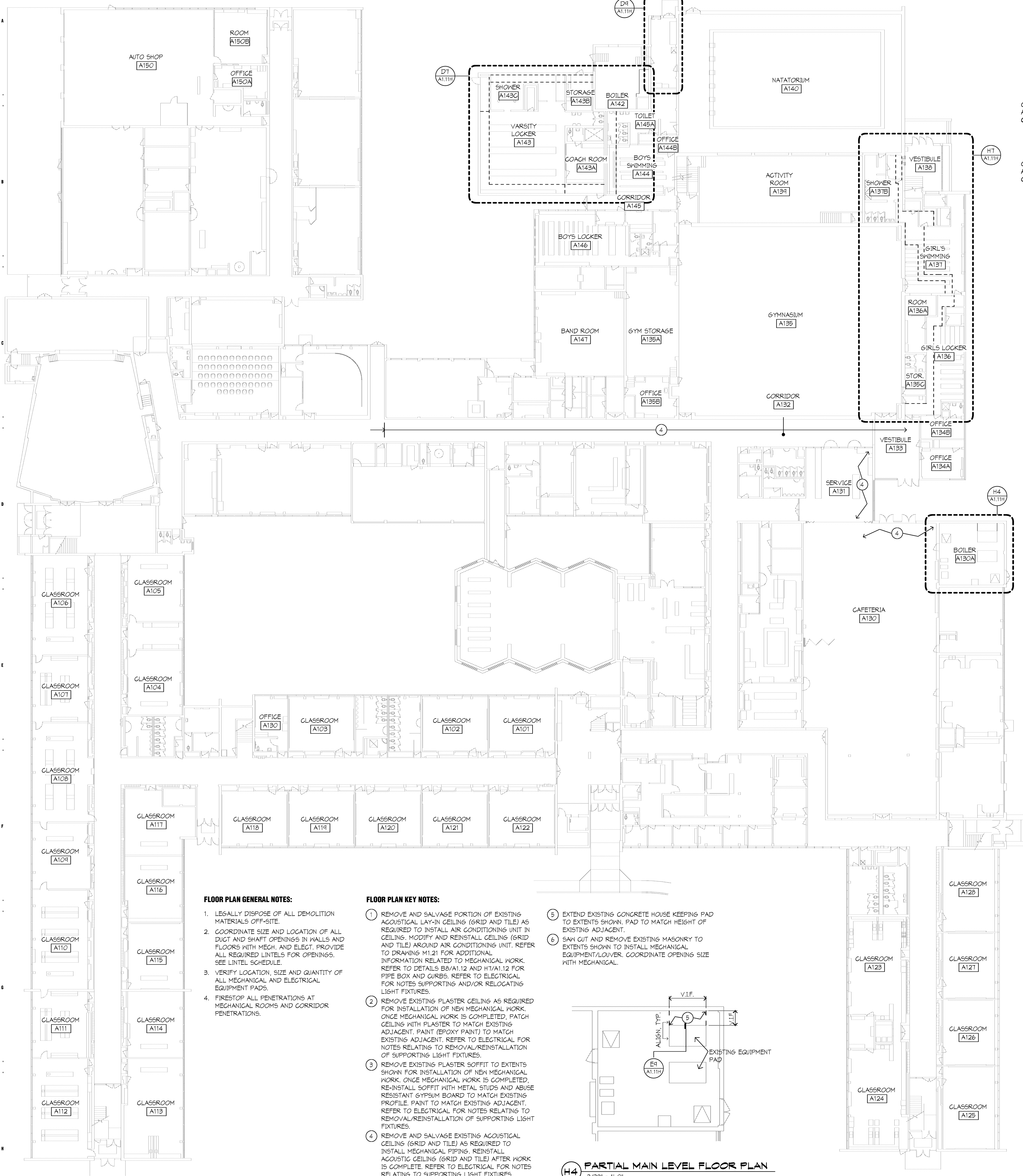


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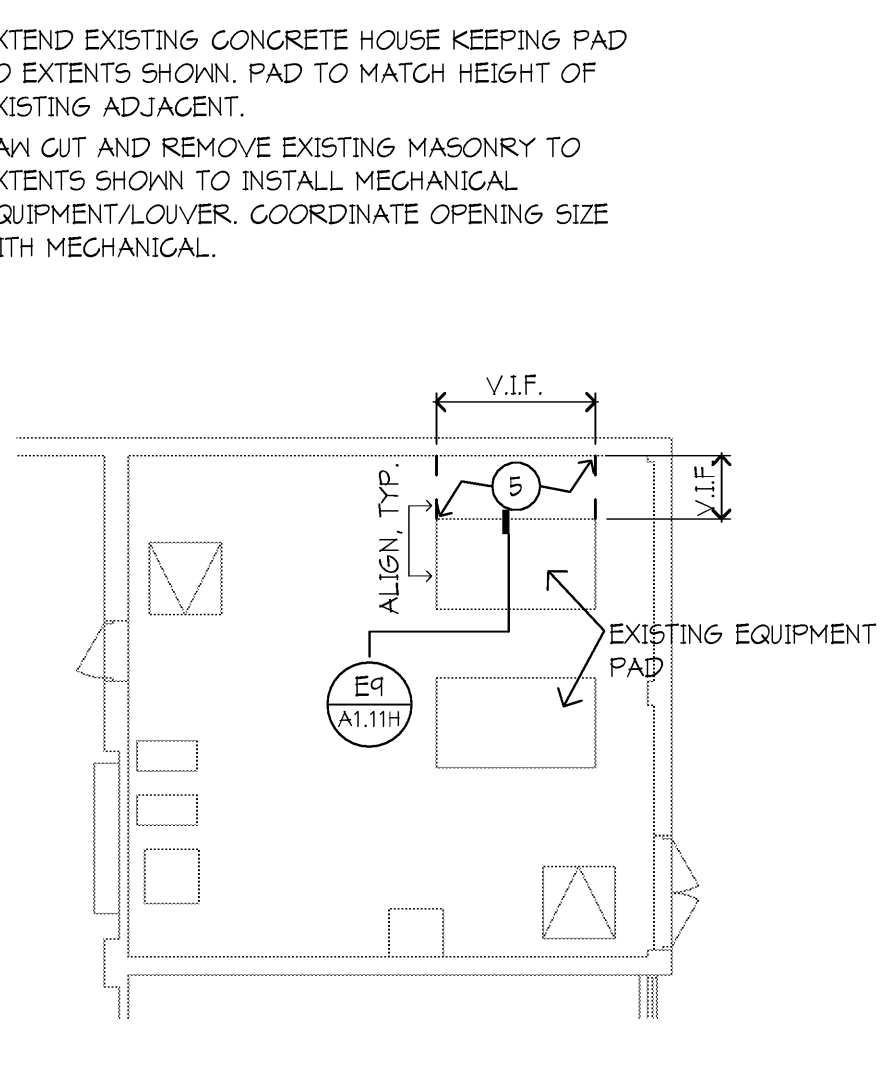


FLOOR PLAN GENERAL NOTES:

1. LEGALLY DISPOSE OF ALL DEMOLITION MATERIALS OFF-SITE.
2. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS WITH MECH. AND ELEC. PROVIDE ALL REQUIRED LINTELS FOR OPENINGS. SEE LINTEL SCHEDULE.
3. VERIFY LOCATION, SIZE AND QUANTITY OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT PADS.
4. FIRESTOP ALL PENETRATIONS AT MECHANICAL ROOMS AND CORRIDOR PENETRATIONS.

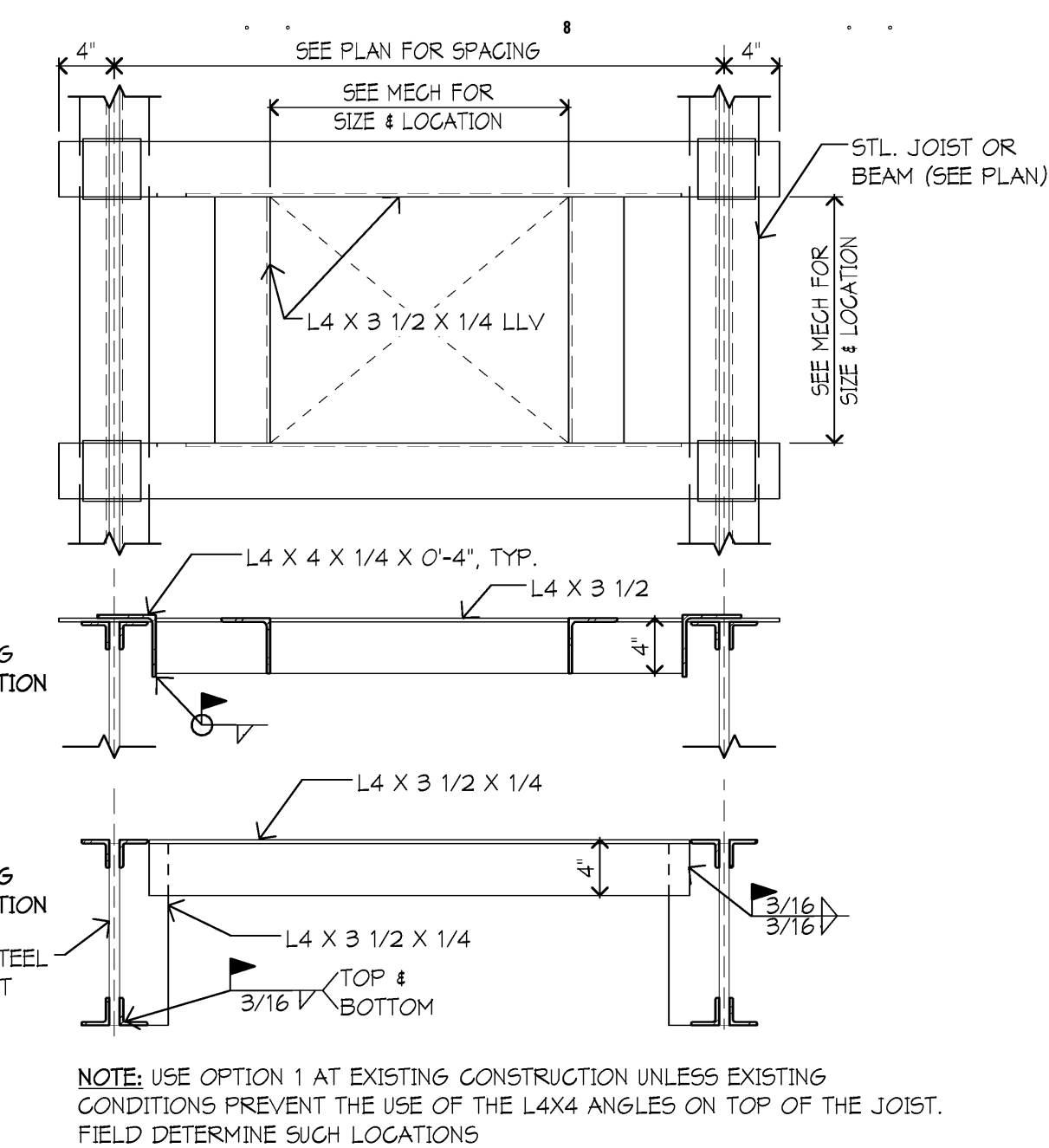
FLOOR PLAN KEY NOTES:

1. REMOVE AND SALVAGE PORTION OF EXISTING ACOUSTICAL LAY-IN CEILING (GRID AND TILE) AS REQUIRED TO INSTALL AIR CONDITIONING UNIT IN CEILING. MODIFY AND REINSTALL CEILING (GRID AND TILE) AROUND AIR CONDITIONING UNIT. REFER TO DRAWING M1.21 FOR ADDITIONAL INFORMATION RELATED TO MECHANICAL WORK. REFER TO DETAILS B5/A1.12 AND H1/A1.12 FOR PIPE BOX AND CURBS. REFER TO ELECTRICAL FOR NOTES SUPPORTING AND/OR RELOCATING LIGHT FIXTURES.
2. REMOVE EXISTING PLASTER CEILING AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL WORK. ONCE MECHANICAL WORK IS COMPLETED, PATCH CEILING WITH PLASTER TO MATCH EXISTING ADJACENT. PAINT (EPOXY PAINT) TO MATCH EXISTING ADJACENT. REFER TO ELECTRICAL FOR NOTES RELATING TO REMOVAL/REINSTALLATION OF SUPPORTING LIGHT FIXTURES.
3. REMOVE EXISTING PLASTER SOFFIT TO EXTENTS SHOWN FOR INSTALLATION OF NEW MECHANICAL WORK. ONCE MECHANICAL WORK IS COMPLETED, RE-INSTALL SOFFIT WITH METAL STUDS AND ABUSE RESISTANT GYPSUM BOARD TO MATCH EXISTING PROFILE. PAINT TO MATCH EXISTING ADJACENT. REFER TO ELECTRICAL FOR NOTES RELATING TO REMOVAL/REINSTALLATION OF SUPPORTING LIGHT FIXTURES.
4. REMOVE AND SALVAGE EXISTING ACOUSTICAL CEILING (GRID AND TILE) AS REQUIRED TO INSTALL MECHANICAL PIPING. REINSTALL ACOUSTIC CEILING (GRID AND TILE) AFTER WORK IS COMPLETE. REFER TO ELECTRICAL FOR NOTES RELATING TO SUPPORTING LIGHT FIXTURES.

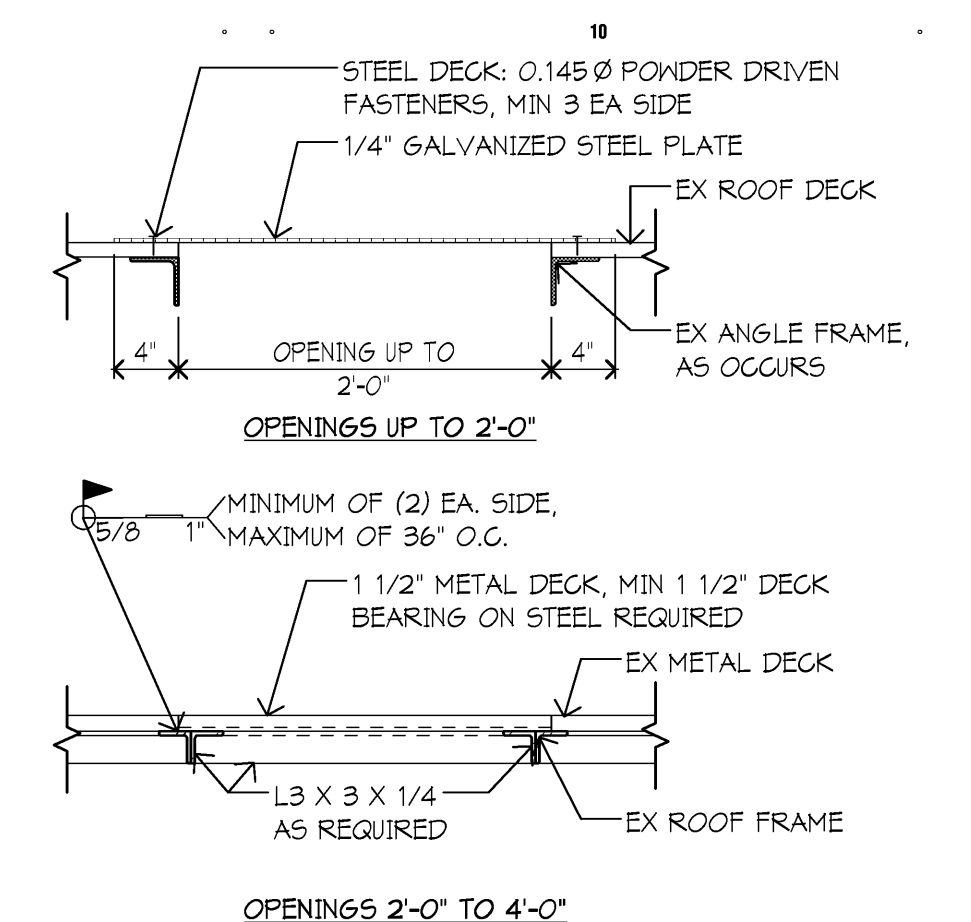


H4 PARTIAL MAIN LEVEL FLOOR PLAN
3/32" = 1'-0"

H1 MAIN LEVEL FLOOR PLAN
1" = 20'-0"



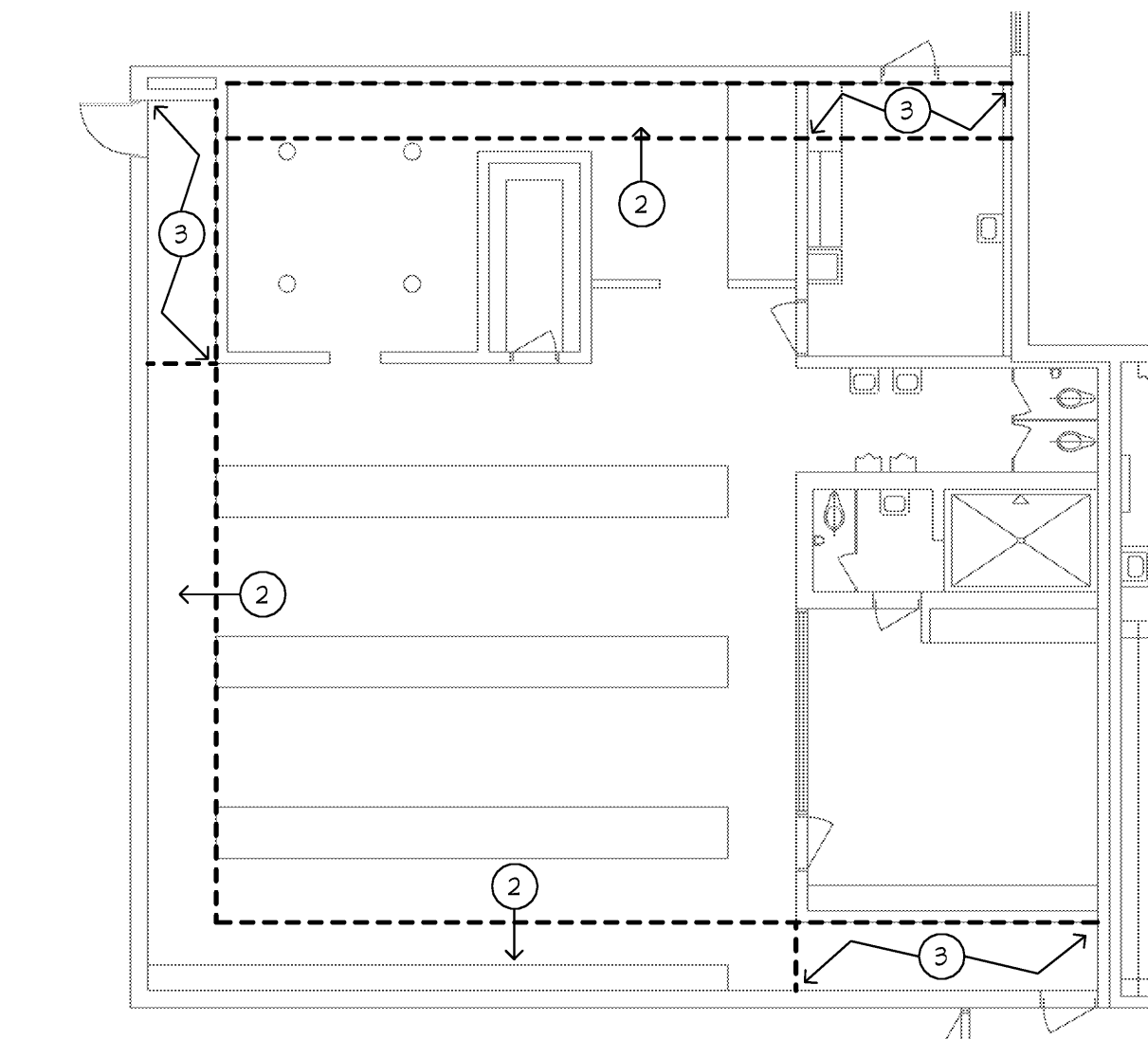
E7 ROOF OPENING FRAME
1" = 1'-0"



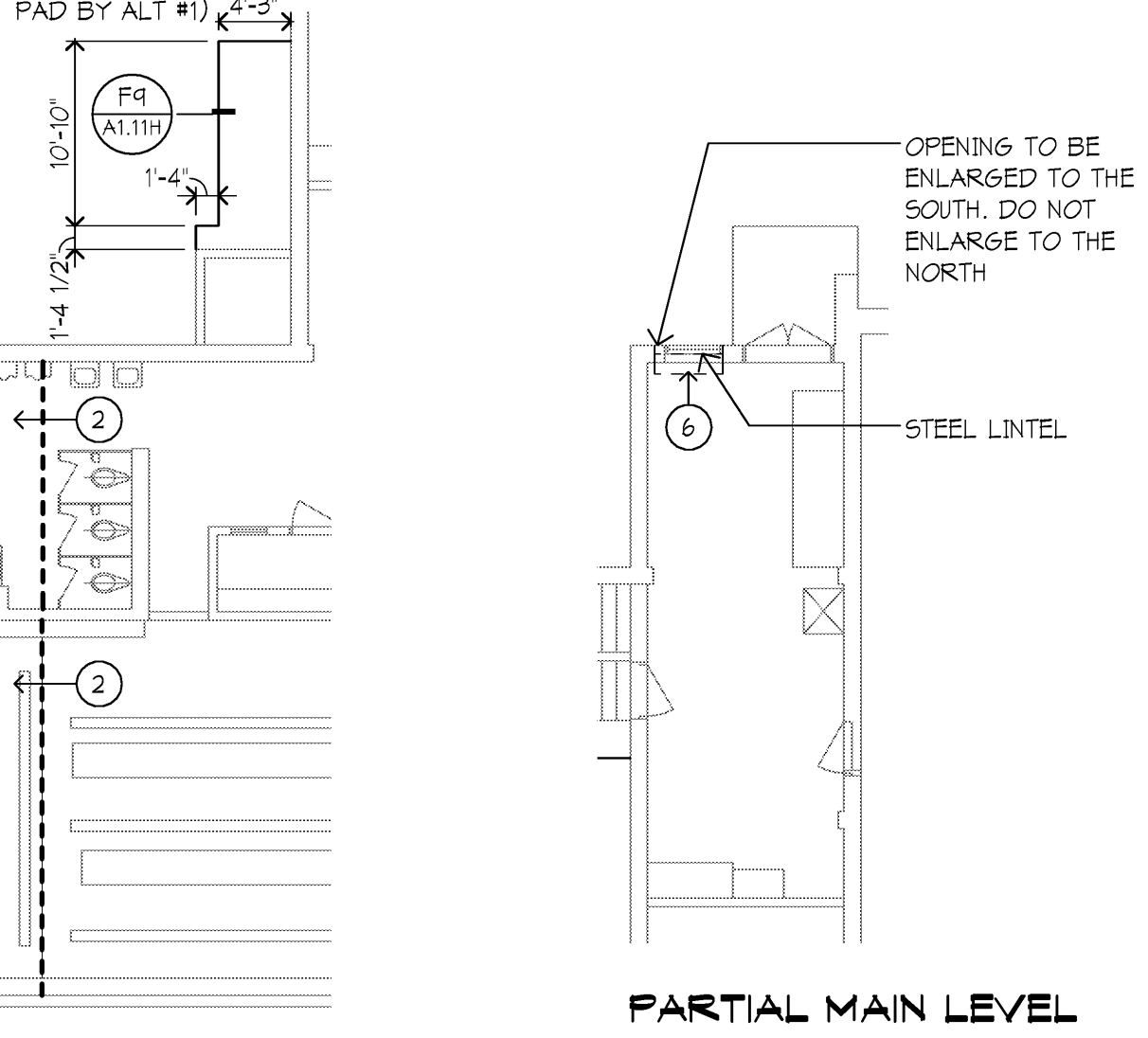
NOTES:

1. FIELD VERIFY THE EXISTENCE OF AN EXISTING ROOF FRAME AT EACH LOCATION. IF NO ROOF FRAME IS FOUND, INSTALL NEW ROOF FRAME PER DETAIL B7/A1.11H.
2. FIELD VERIFY THAT A MINIMUM 1 1/2" OF NEW DECK BEARING CAN BE ACHIEVED ON THE EXISTING ROOF FRAME. IF NOT, FIELD WELD L3 X 3 X 1/4 TO ALL SIDES OF THE ROOF FRAME TO SUPPORT THE NEW DECK.
3. IF PROFILE OF NEW ROOF DECK MATCHES EX METAL ROOF DECK, NEW DECK MAY BE LAPPED OVER EXISTING DECK AND BE FIELD WELDED TO ROOF FRAME.

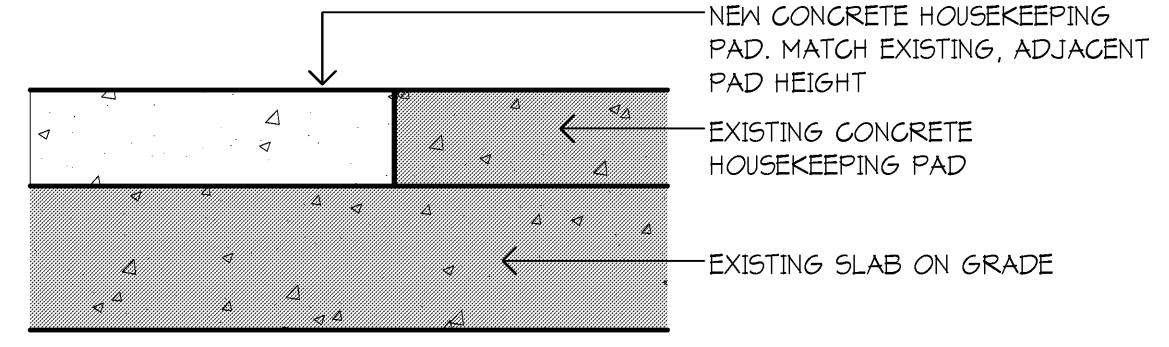
E8 ROOF INFILL
1" = 1'-0"



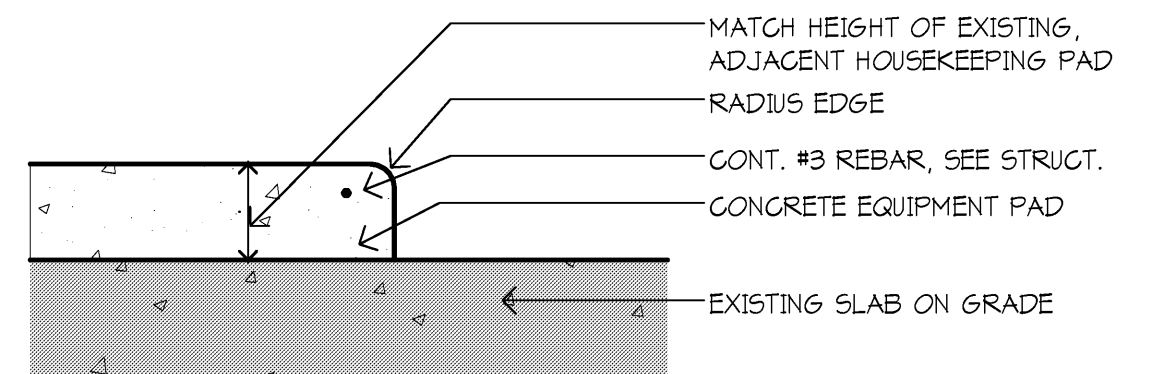
D7 PARTIAL MAIN LEVEL FLOOR PLAN
3/32" = 1'-0"



D9 PARTIAL MAIN LEVEL FLOOR PLAN AND FRAMING
3/32" = 1'-0"



E9 HOUSEKEEPING PAD
1 1/2" = 1'-0"



F9 HOUSEKEEPING PAD
1 1/2" = 1'-0"

- MASONRY NOTES**
1. Work shall be performed in accordance with ACI 530 specifications.
 2. Mortar: ASTM C270, Type M below grade, Type M or S above grade, Type N for non-load bearing above grade.
 3. Grout: ASTM C476, Fc=2000 psi, tested per ASTM C1014.
 4. Grout beneath beam bearing three courses.
 5. Provide lintels for openings in masonry walls over 8" wide. See drawings for lintel and location.
 - a. Grout beneath lintel bearing three courses.
 - b. Anchor masonry to beam with #4 wire ties each side @ 2'-8" o.c.

- STRUCTURAL STEEL**
1. Structural Steel: Fabricated and erected per the AISC Manual of Steel Construction.
 2. Anchor Rods: 36 ksi, ASTM F-1554.
 3. Welds: E70XX electrodes per AWS D1.1, Structural Welding Code.
 4. Bolted Connections: 3/4" diameter A-325 bolts unless noted. Designed for bearing connections, tightened to snug light criteria unless noted otherwise.
 5. Steel Primer: Rust inhibiting alkyl industrial primer, 1.5 mil dry film thickness.
 6. Beam bearing plates are to be located on center of wall unless noted otherwise. Bear beam full length of bearing plates.
- METAL DECK**
1. Roof Deck: 1 1/2" 20 gauge, wide rib. Designed and fabricated per Steel Deck Institute specifications (SDI). Weld to supports with 5/8" diameter puddle welds 12" spacing. Fasten side laps with #10 screws at 9'-0" maximum.
 2. Deck Finish: Prime painted.

REDFORD UNION MECH. & ELEC. IMPROVEMENTS

REDFORD UNION HIGH
17711 KINLOCH ST.

REDFORD UNION SCHOOL DISTRICT

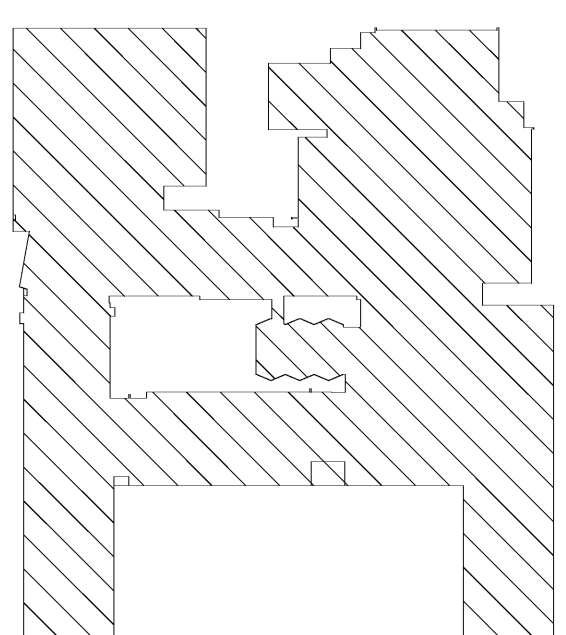
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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT under the laws of the State of MICHIGAN

DANIEL KRITTA
1301047842 Date: 10.31.2014

Description	Revisions	Date	Num

Comm: 124021
Date: 04.16.2013
Drawn: BKY
Check: JLL

MAIN LEVEL FLOOR PLAN

Scale: As indicated

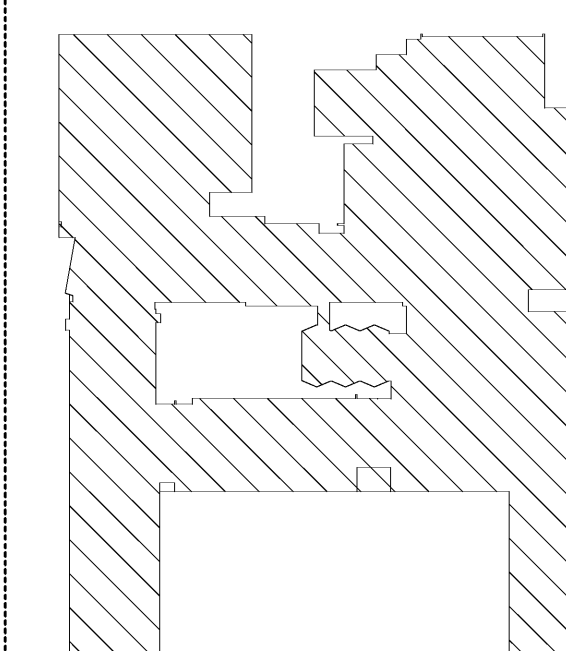
A1.11H



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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed ARCHITECT under the laws of the State of MICHIGAN

DANIEL KRITTA
Registration Number 1301047942 Date 10/31/2014

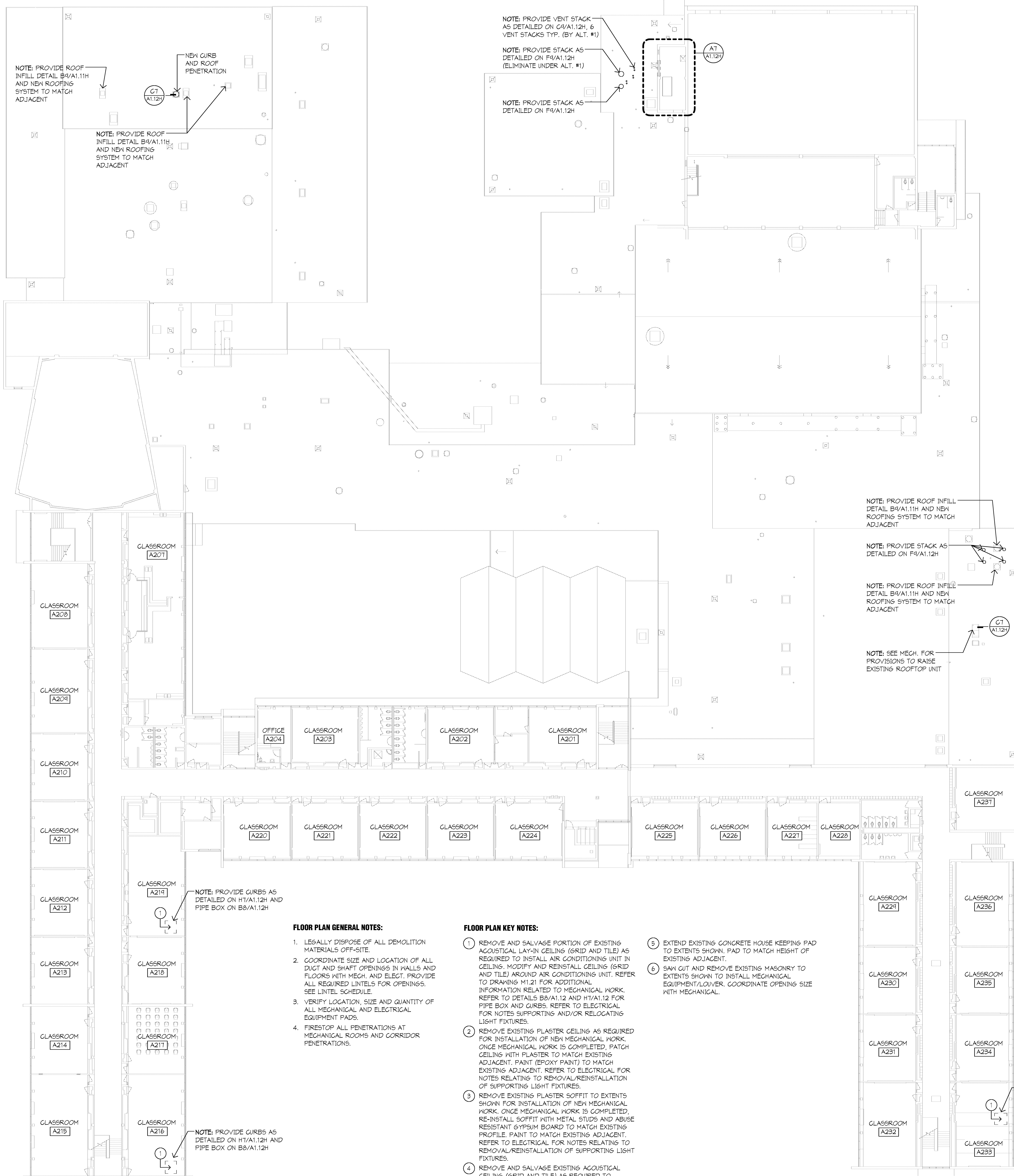
Description	Revisions	Date	Hum

Cمم: 124021
Date: 04/16/2013
Drawn: BSK
Check: GBZ

UPPER LEVEL FLOOR PLAN

Scale: As indicated

A1.12H



FLOOR PLAN GENERAL NOTES:

1. LEGALLY DISPOSE OF ALL DEMOLITION MATERIALS OFF-SITE.
2. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHUTT OPENINGS IN WALLS AND FLOORS WITH MECH. AND ELEC. PROVIDE ALL REQUIRED LINTELS FOR OPENINGS. SEE LINTEL SCHEDULE.
3. VERIFY LOCATION, SIZE AND QUANTITY OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT PADS.
4. FIRESTOP ALL PENETRATIONS AT MECHANICAL ROOMS AND CORRIDOR PENETRATIONS.

FLOOR PLAN KEY NOTES:

- 1 REMOVE AND SALVAGE PORTION OF EXISTING ACoustICAL LAT-IN CEILING (GRID AND TILE) AS REQUIRED TO INSTALL AIR CONDITIONING UNIT IN CEILING. MODIFY AND REINSTALL CEILING (GRID AND TILE) AROUND AIR CONDITIONING UNIT. REFER TO DRAWINGS M1.21 FOR ADDITIONAL INFORMATION RELATED TO MECHANICAL WORK. REFER TO DETAILS B6/A1.12 AND H1/A1.12 FOR PIPE BOX AND CURBS. REFER TO ELECTRICAL FOR NOTES SUPPORTING AND/OR RELOCATING LIGHT FIXTURES.
- 2 REMOVE EXISTING PLASTER CEILING AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL WORK. ONCE MECHANICAL WORK IS COMPLETED, PATCH CEILING WITH PLASTER TO MATCH EXISTING ADJACENT. PAINT (EPOXY PAINT) TO MATCH EXISTING ADJACENT. REFER TO ELECTRICAL FOR NOTES RELATING TO REMOVAL/REINSTALLATION OF SUPPORTING LIGHT FIXTURES.
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- 4 REMOVE AND SALVAGE EXISTING ACoustICAL CEILING (GRID AND TILE) AS REQUIRED TO INSTALL MECHANICAL PIPING. REINSTALL ACoustIC CEILING (GRID AND TILE) AFTER WORK IS COMPLETE. REFER TO ELECTRICAL FOR NOTES RELATING TO SUPPORTING LIGHT FIXTURES.
- 5 EXTEND EXISTING CONCRETE HOUSE KEEPING PAD TO EXTENTS SHOWN. PAD TO MATCH HEIGHT OF EXISTING ADJACENT.
- 6 SAN CUT AND REMOVE EXISTING MASONRY TO EXTENTS SHOWN TO INSTALL MECHANICAL EQUIPMENT/LOUVER. COORDINATE OPENING SIZE WITH MECHANICAL.

NOTE: PROVIDE CURBS AS DETAILED ON H1/A1.12H AND PIPE BOX ON B8/A1.12H

NOTE: PROVIDE CURBS AS DETAILED ON H1/A1.12H AND PIPE BOX ON B8/A1.12H

NOTE: PROVIDE VENT STACK AS DETAILED ON C4/A1.12H. 6" VENT STACKS TYP. (BY ALT. #1)

NOTE: PROVIDE STACK AS DETAILED ON F4/A1.12H (ELIMINATE UNDER ALT. #1)

NOTE: PROVIDE STACK AS DETAILED ON F4/A1.12H

NOTE: PROVIDE ROOF INFILL DETAIL B9/A1.11H AND NEW ROOFING SYSTEM TO MATCH ADJACENT

NEW CURB AND ROOF PENETRATION

NOTE: PROVIDE ROOF INFILL DETAIL B9/A1.11H AND NEW ROOFING SYSTEM TO MATCH ADJACENT

NOTE: PROVIDE ROOF INFILL DETAIL B9/A1.11H AND NEW ROOFING SYSTEM TO MATCH ADJACENT

NOTE: PROVIDE STACK AS DETAILED ON F4/A1.12H

NOTE: PROVIDE ROOF INFILL DETAIL B9/A1.11H AND NEW ROOFING SYSTEM TO MATCH ADJACENT

NOTE: SEE MECH. FOR PROVISIONS TO RAISE EXISTING ROOFTOP UNIT

H1 UPPER LEVEL FLOOR PLAN
1" = 20'-0"

A7 PARTIAL UPPER LEVEL FLOOR PLAN
1" = 10'-0"

B2 PIPING BOX
1 1/2" = 1'-0"

C7 PENETRATION CURB
1 1/2" = 1'-0"

D7 LOUVER JAMB
1 1/2" = 1'-0"

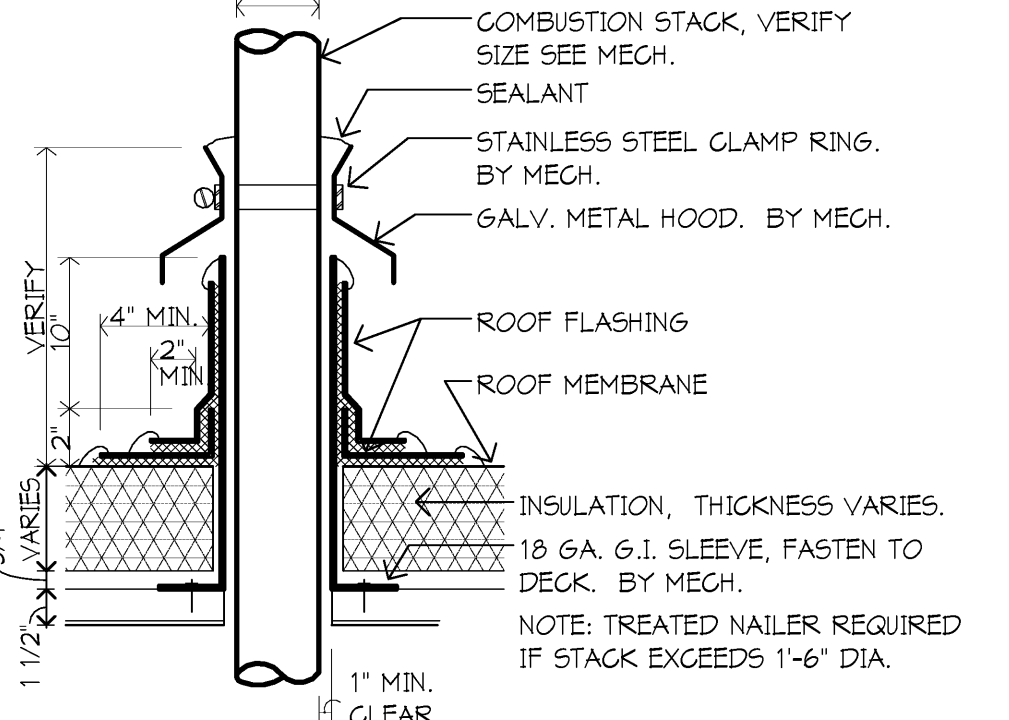
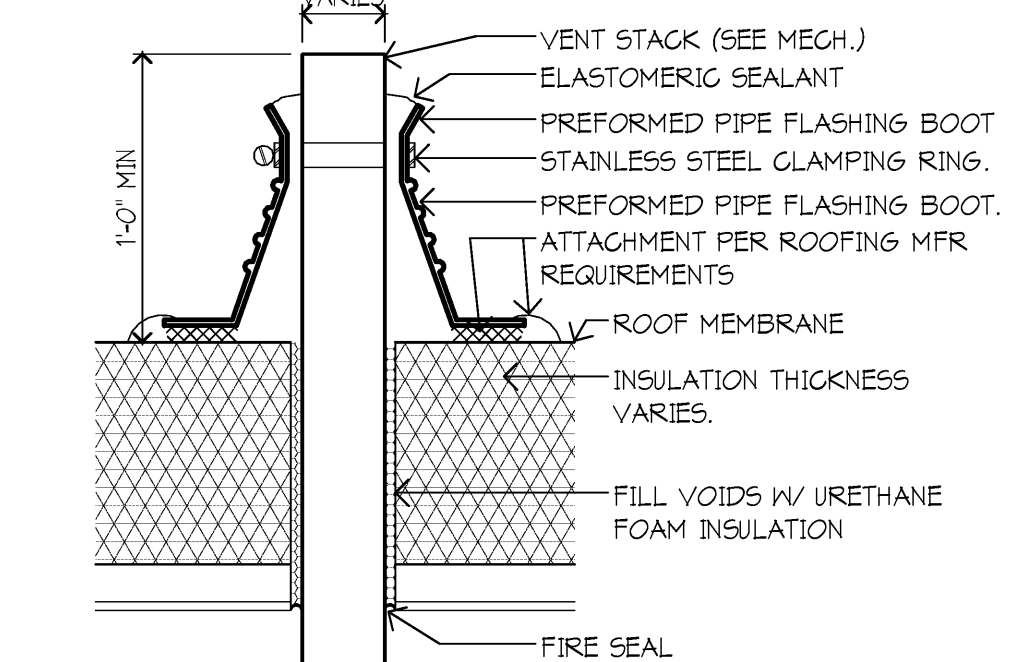
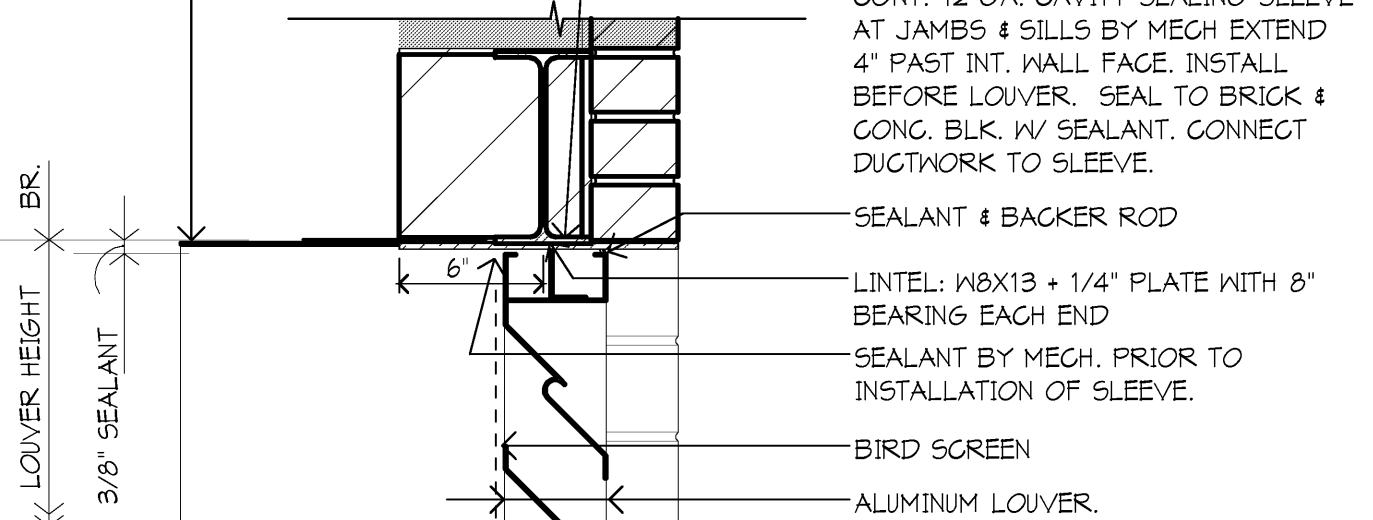
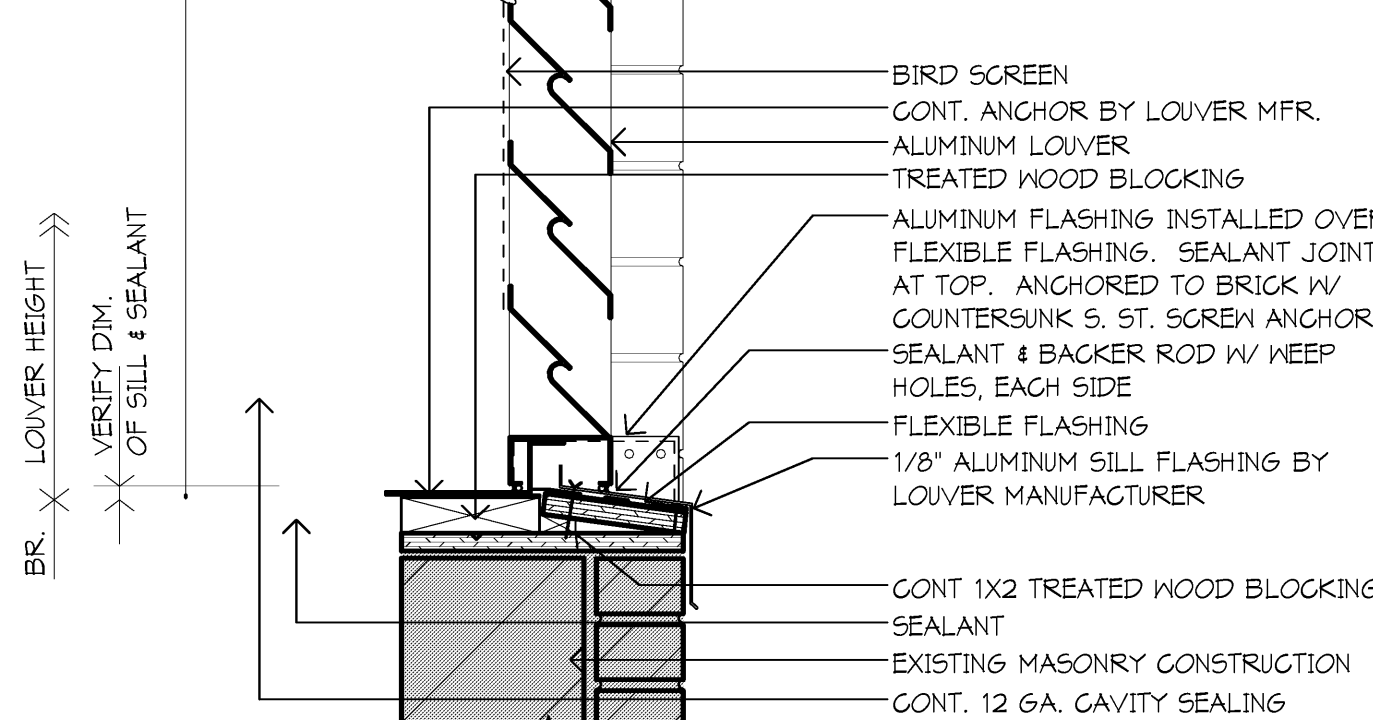
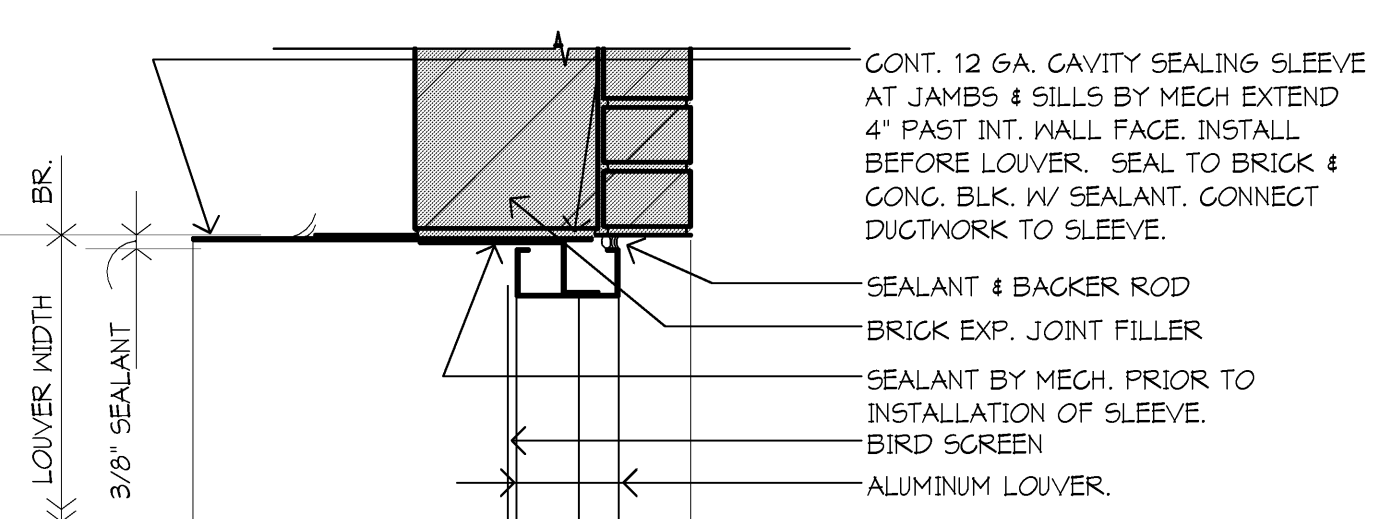
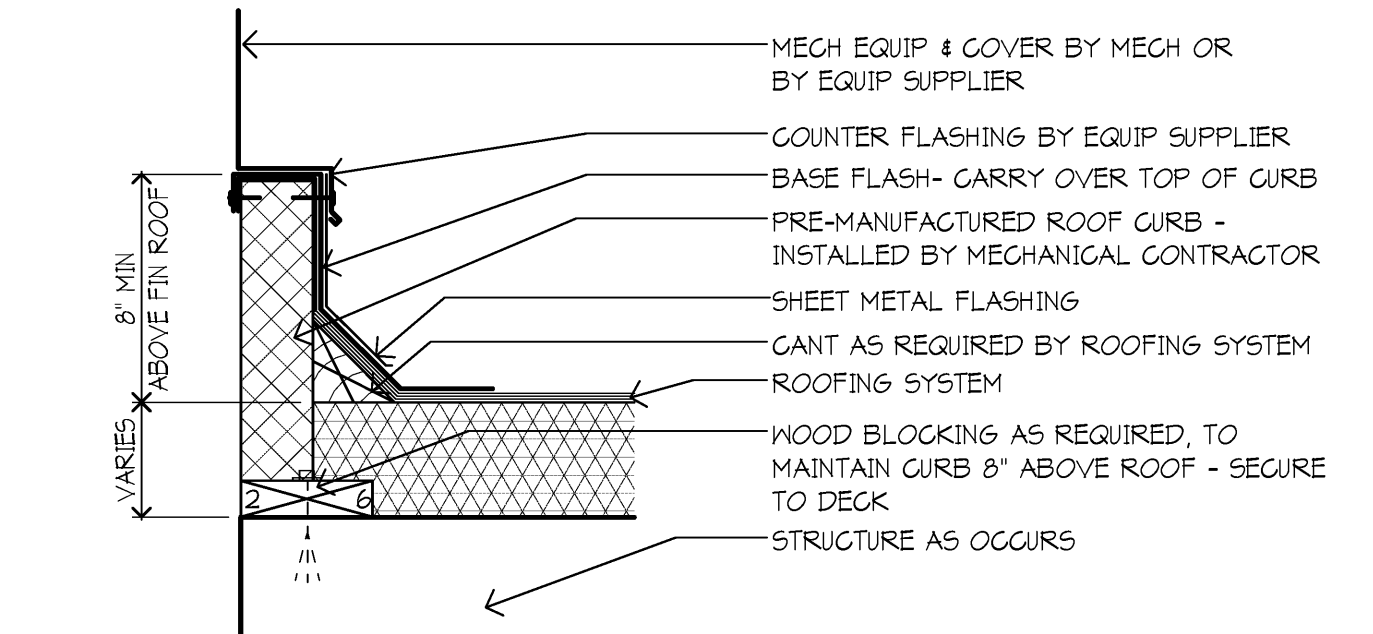
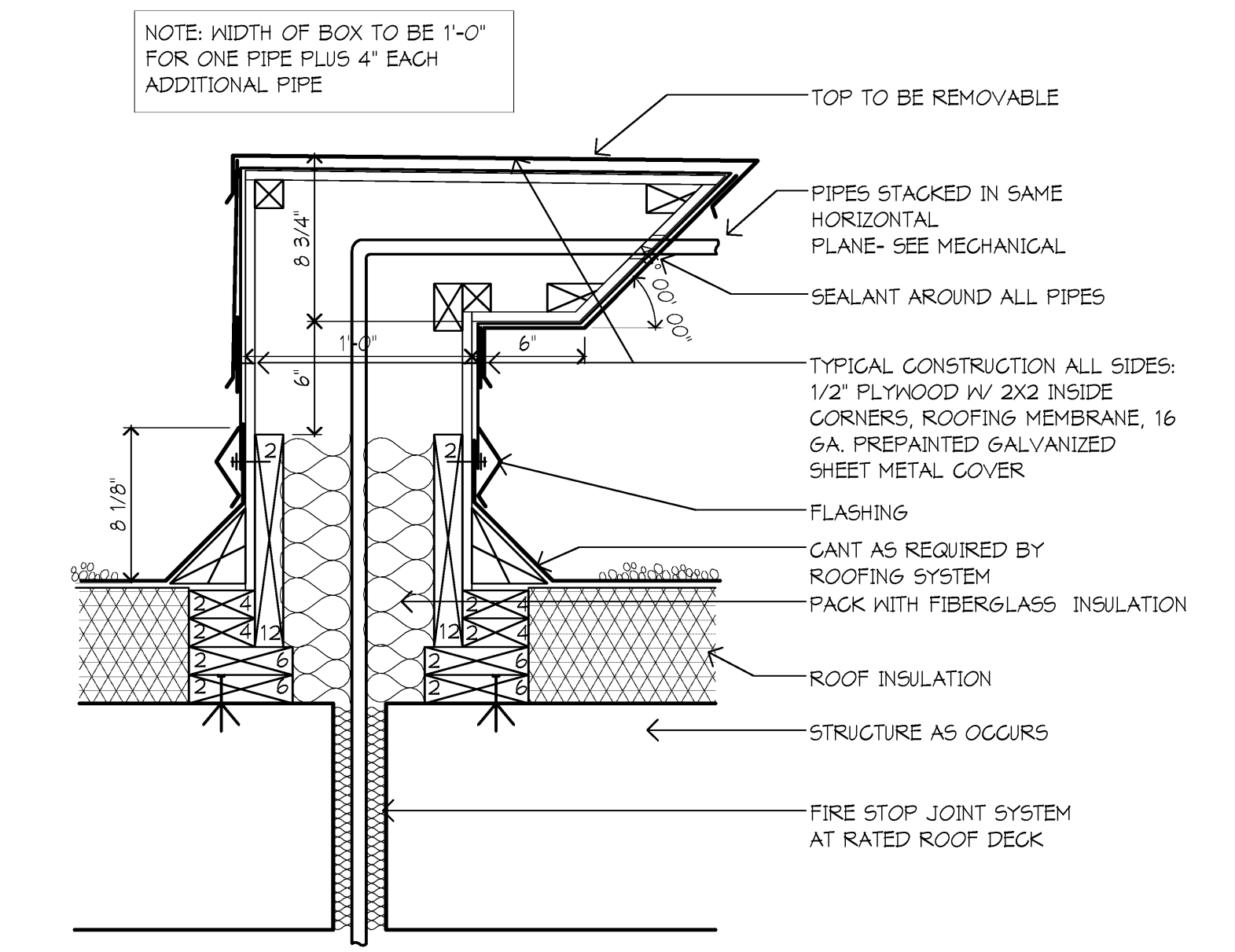
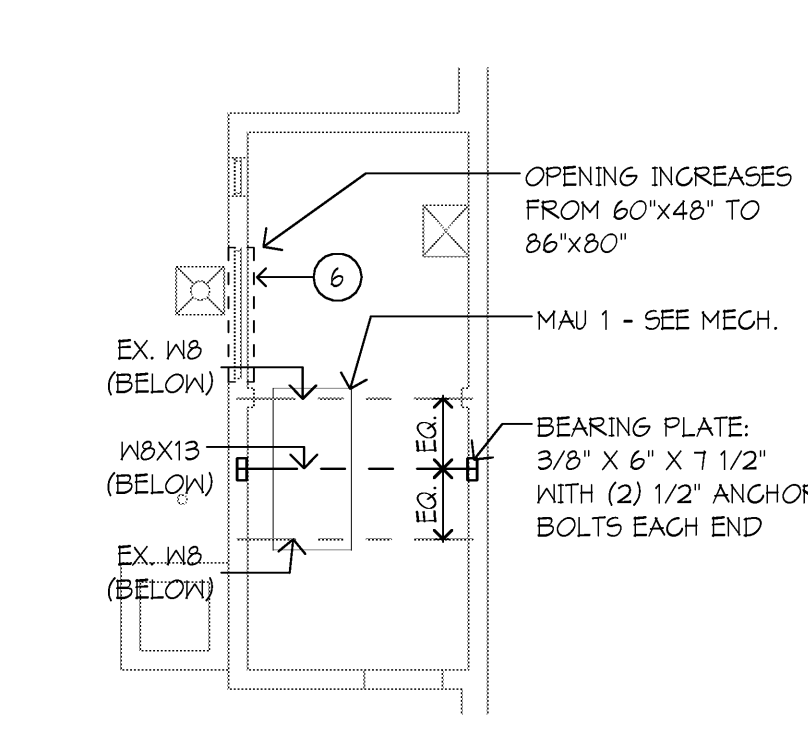
F7 LOUVER SILL
1 1/2" = 1'-0"

G7 LOUVER HEAD
1 1/2" = 1'-0"

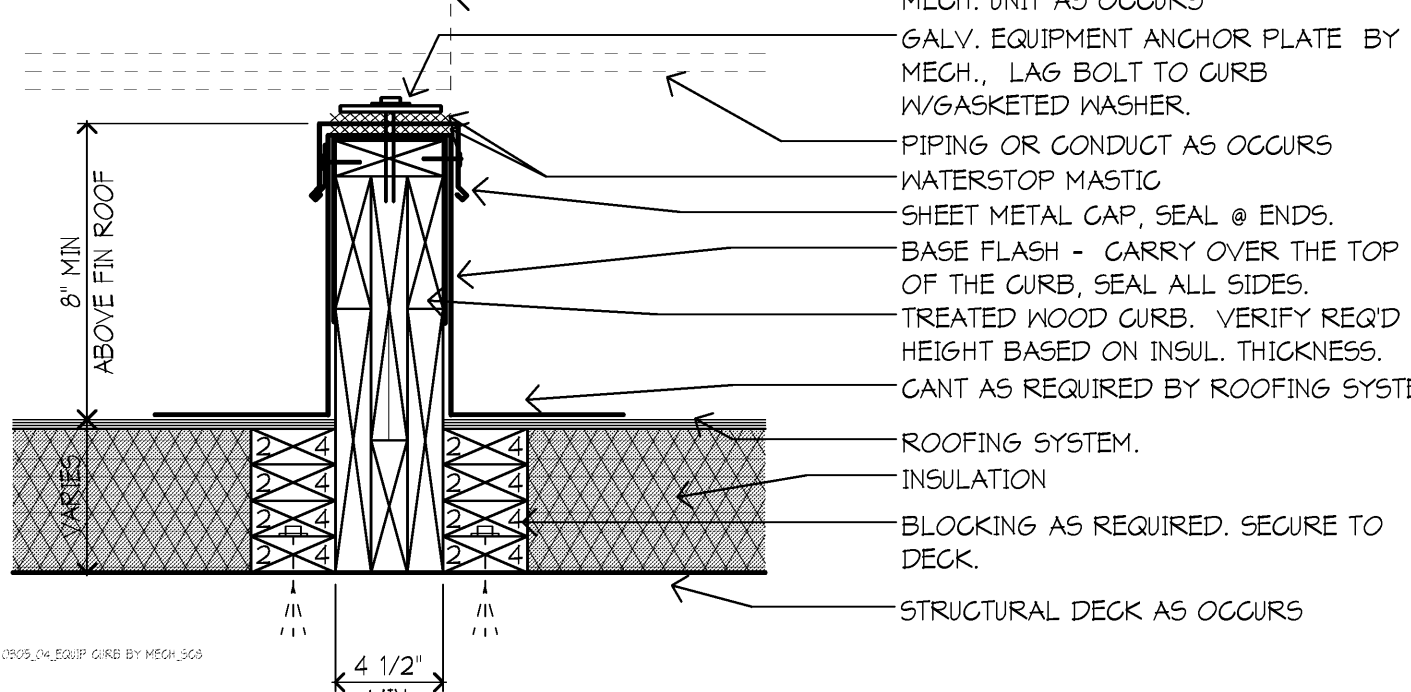
C9 MEMBRANE ROOF VENT
1 1/2" = 1'-0"

D9 LOUVER ELEVATIONS
1/4" = 1'-0"

F9 MEMBRANE ROOF COMBUSTION STACK
1 1/2" = 1'-0"



H7 EQUIPMENT CURB
1 1/2" = 1'-0"



MI

A