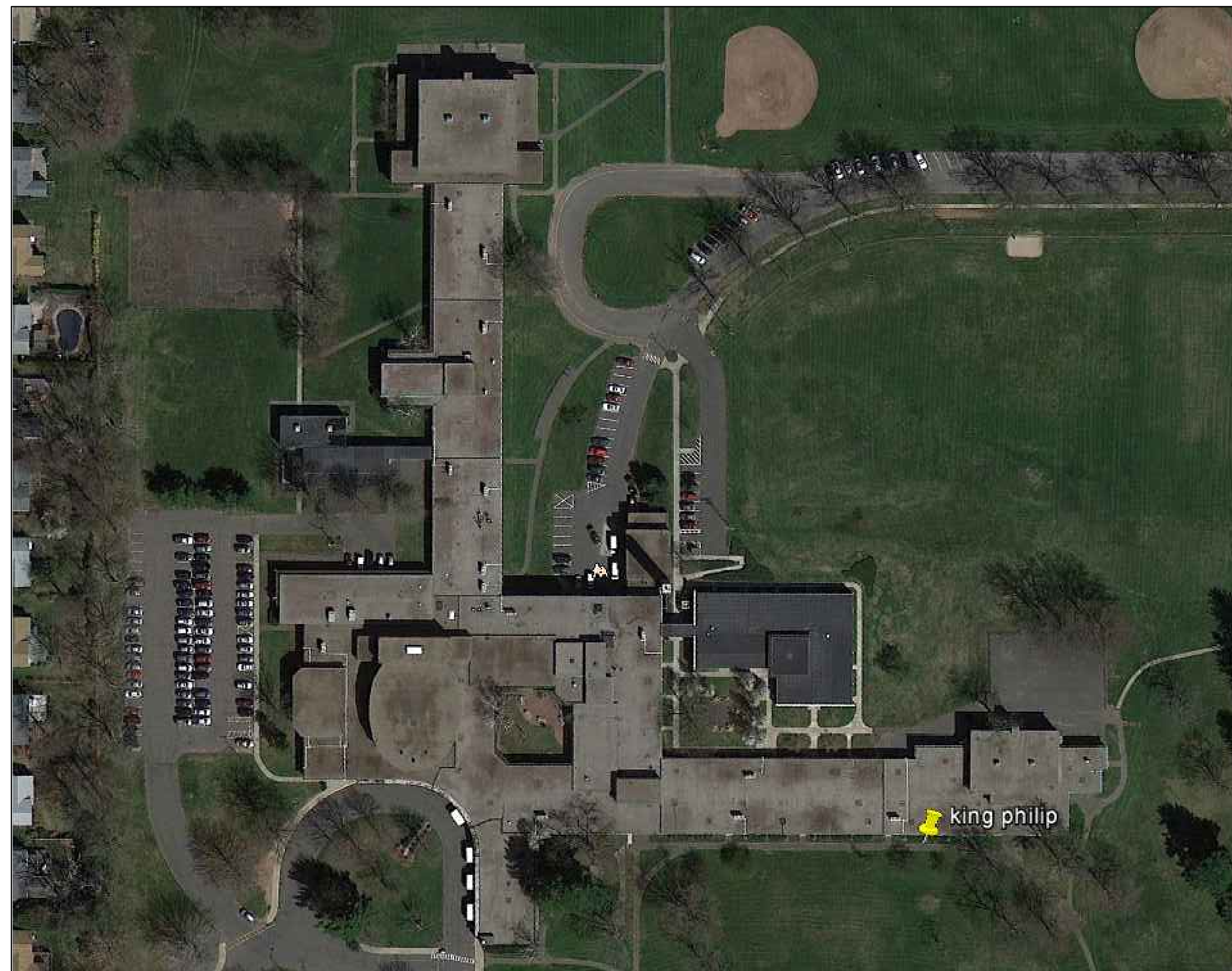


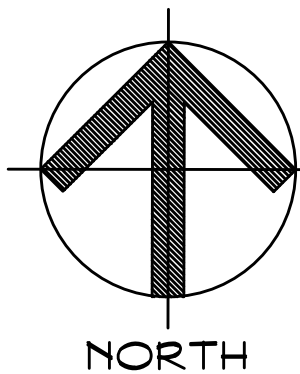
King Philip Middle School Roof Replacement Project

The Town Of West Hartford

100 King Philip Drive
West Hartford, Connecticut 06117



SITE LOCATION MAP
SCALE: NONE



DRAWING LIST:

- Cover Sheet
- C1 - Code Information
- A1 - Overall Roof Plan
- A2 - Roof Plan
- A3 - Roof Details
- RP-1 - Asbestos & PCB Abatement Plan



SILVER / PETRUCELLI + ASSOCIATES
Architects / Engineers / Interior Designers

3190 Whitney Avenue, Hamden, CT 06518-2340
Tel. 203 230 9007 Fax. 203 230 8247
silverpetrucelli.com

Date: 03/25/2015

Issued for Bid: May 4, 2018

CODE INFORMATION

DATE OF ORIGINAL CONSTRUCTION 1955
 DATE OF ADDITION 1999

1. GROUP CLASSIFICATION (Chapter 3)
 (Primary) E-EDUCATIONAL
 (Incidental) A2-ASSEMBLY

2. CONSTRUCTION TYPE (Chapter 6)
 Minimum Type Required 5B
 Actual Type Provided (existing) --
 (new) 2B

3. BUILDING HEIGHT (Chapter 5)
 Allowable Height (story/feet) 3/75'-0"
 Actual Height (story/feet) 1/25'-0"
 (Stories Above Grade) 1

4. BUILDING AREA (Chapter 5)
 a) Building Area (first)
 Existing construction 182,598 sq.ft.
 New construction 0 sq.ft.
 Total floor 182,598 sq.ft.
 TOTAL (ALL FLOORS) 182,598 sq.ft.

5. AREA MODIFICATIONS TO TABLE 503 (for each separate building as defined by fire walls and/or exterior walls)
NA

6. CASE 1 - SINGLE OCCUPANCY OR NONSEPARATED USES (302.3.1)
 (Allowable Area 506.4)
NA

7. CASE 2 - MIXED OCCUPANCY SEPARATED USES (302.3.2)
 (Allowable Area 506.4)
NA

8. FIRE-RESISTANCE RATED REQUIREMENTS FOR BUILDING ELEMENTS (Table 601, See Code Plans for specific designations)

1 Structural frame: including columns, girders, trusses	<u>0</u>	Hr(s)
2 Bearing walls: Exterior (Table 602)	<u>0/1</u>	Hr(s)
Interior	<u>0</u>	Hr(s)
3 Nonbearing walls & partitions Exterior (Table 602)	<u>0/1</u>	Hr(s)
Interior	<u>0</u>	Hr(s)
4 Nonbearing walls & partitions supporting beams & joists	<u>0</u>	Hr(s)
5 Floor Construction (including supporting beams & joists)	<u>0</u>	Hr(s)
6 Roof Construction (including supporting beams & joists)	<u>0</u>	Hr(s)

9. OCCUPANCY LOAD
 Design Total for Basement NA
 Total Exit Capacity for Basement NA
 Design Total for First Floor NA
 Total Exit Capacity for First Floor NA
 Design Total for Building NA
 Total Exit Capacity for Building NA

10. MODIFICATIONS	Approved	Not Approved
	Approved	Not Approved
	Approved	Not Approved
	Approved	Not Approved

11. ACCESSIBLE BUILDING X Designated
 Non Designated

12. MINIMUM PLUMBING FIXTURE COUNT (I.P.C. Chapter 4)
 For each type of occupancy per entire facility

Group "A3" occupancy (Design Load = NA)		
Required	Provided	
W/C Male	<u>NA</u>	<u>NA</u>
W/C Female	<u>NA</u>	<u>NA</u>
Lavs	<u>NA</u>	<u>NA</u>
D/F	<u>NA</u>	<u>NA</u>
W/C Unisex	<u>NA</u>	<u>NA</u>
Lavs Unisex	<u>NA</u>	<u>NA</u>

Group "E" occupancy (Design Load = NA)		
Required	Provided	
W/C	<u>NA</u>	<u>NA</u>
Lavs	<u>NA</u>	<u>NA</u>
D/F	<u>NA</u>	<u>NA</u>

(Total Design Load for entire facility = NA)

13. ENTIRE BUILDINGS SPRINKLERED X

14. THRESHOLD BUILDING CONDITIONS X

15. CODES TO WHICH THIS PROJECT WAS DESIGNED
 State Building Code w/Supplement 2003 IBC/2006 CT
 State Building Code w/Supplement 2009 AMEND. 2005 CT
 State Fire Code w/Supplement 2005 CFSC
 State Fire Code w/Supplement 2009 AMEND. 2005 CT
 State Health Code MOST CURRENT
 OSHA MOST CURRENT
 Section 504 8-7-84 (49FR34528)
 ADA MOST CURRENT

16. BUILDING AREAS FOR GRANT CALCULATION (ENTIRE FACILITY) (measured to inside face of exterior walls)

Existing unrenovated construction	<u>0</u>	sq.ft.
Existing renovated construction	<u>0</u>	sq.ft.
Existing being demolished	<u>0</u>	sq.ft.
Total existing construction	<u>182,598</u>	sq.ft.
Total new construction	<u>0</u>	sq.ft.
Total facility	<u>182,598</u>	sq.ft.

Open Areas (not included in total facility)
NA sq.ft.

17. TOTAL CONSTRUCTED BUILDING AREA (outside face of exterior walls including open areas above)
NA sq.ft.

FIRE SAFETY CODE DATA:

1. CLASSIFICATION OF OCCUPANCY	<u>EDUCATIONAL/ASSEMBLY</u>
2. MINIMUM CONSTRUCTION PROVIDED	<u>5B</u>
ACTUAL CONSTRUCTION PROVIDED	<u>2B</u>
3. NOTIFICATION / ALARMS (CFSC 2005, NFPA 72, NATIONAL FIRE ALARM CODE 2002)	yes <u>X</u> no
4. DETECTION (CFSC 2005, NFPA 72, NATIONAL FIRE ALARM CODE 2002)	yes <u>X</u> no
5. EXTINGUISHMENT REQUIREMENTS (NFPA 13, 2002)	yes <u>X</u> no

MEANS OF EGRESS

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT IBC TABLE 1004.1.2

USE	FLOOR AREA IN S.F. PER OCCUPANT
1. CLASSROOMS	<u>20 S.F. NET</u>
2. SHOPS & VOCATIONAL	<u>50 S.F. NET</u>
3. ASSEMBLY	
WITHOUT FIXED SEATS	<u>7 S.F. NET</u>
TABLES AND CHAIRS	<u>15 S.F. NET</u>
4. PLATFORMS	<u>15 S.F. NET</u>
5. LIBRARY	
READING ROOMS	<u>50 S.F. NET</u>
STACK AREA	<u>100 S.F. GROSS</u>
6. LOCKER ROOMS	<u>50 S.F. GROSS</u>
7. MECHANICAL AREAS	<u>300 S.F. GROSS</u>
8. STORAGE	<u>300 S.F. GROSS</u>
9. BUSINESS AREAS	<u>100 S.F. GROSS</u>
10. Courtyards	<u>15 S.F. NET</u>
MAXIMUM LENGTH OF EXIT TRAVEL	
1. I.B.C. TABLE 1015.1	<u>250 FEET</u>

CONSTRUCTION NOTES

- HORIZONTAL ROOF LEADER (MATCH DIAMETER OF EXISTING) ABOVE CEILING SLOPED @ 1/4" FT MIN. TIE VERTICAL LEADERS INTO EXISTING PIPING AS REQUIRED. SEAL ALL PENETRATIONS THROUGH WALLS W/FIRE PUTTY AS REQUIRED BY CODE. PATCH & REPAIR ALL AREAS DAMAGED BY INSTALLATION OF NEW PIPING.
- WALKWAY PADS TO BE INSTALLED. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO PROVIDE A SPECIFIED QUANTITY OF CONCRETE DECK REPAIR & REPLACEMENT. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- EXISTING METAL SHIP LADDER TO REMAIN. SCRABE, PRIME & PAINT. SEE PROJECT MANUAL.
- INSTALL NEW ELECTRICAL WIRING/PVC CONDUIT CASING, REFRIGERANT PIPING, INSULATION & PVC JACKET ON NEW PIPING. CONNECT TO REINSTALLED MECH UNIT. SEE PROJECT MANUAL.
- NOT USED.
- REMOVE EXISTING METAL THROUGH-WALL FLASHING/WEEP HOLES. REMOVE FIVE (5) COURSES OF EXISTING MASONRY WALL. TEMPORARILY SUPPORT & INSTALL NEW THROUGH-WALL FLASHING & WEEP VENTS. INSTALL NEW BRICK. SEE DETAIL N/A3.
- EXISTING DOOR TO REMAIN. TEMPORARILY REMOVE & REINSTALL IF NEEDED FOR ROOFING OPERATIONS. SEE DETAIL Q/A3 SIM.
- TEMPORARILY REMOVE EXISTING MECH. UNIT & STORE IN SAFE LOCATION DURING ROOFING OPERATIONS. REINSTALL EXIST MECH. UNIT IN EXIST. LOCATION. REMOVE EXISTING CURB & FASTEN NEW MECHANICAL UNIT CURB TO EXISTING DECK. SEE DETAIL F/A3.
- RAKE & RE-CAULK ALL EXISTING EXPANSION JOINTS LOCATED ON ALL CONCRETE OVERHANGS. SEE DETAILS T/A3, U/A3, V/A3, W/A3 & Y/A3.
- INSTALL NEW METAL DOWNSPOUTS @ ALL INDICATED SCUPPER LOCATIONS. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- INSTALL NEW CONCRETE SPLASHBLOCKS @ ALL INDICATED METAL DOWNSPOUT LOCATIONS. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL REPLACE ALL OR PROVIDE NEW ROOF TOP EQUIPMENT DISCONNECT SWITCHES IN THIS PROJECT SCOPE. NEW SWITCHES SHALL BE NON-FUSED, NEMA 3R RATED & SHALL MATCH THE VOLTAGE & CURRENT RATINGS OF THE EQUIPMENT SERVED. NEW DISCONNECT SWITCHES SHALL BE MOUNTED TO A NON-REMOVABLE PANEL ON THE EQUIPMENT SERVED OR THE CONTRACTOR SHALL PROVIDE A SUITABLE UN-STRUT SUPPORT FOR PROPER MOUNTING. IN ALL CASES, THE NEW DISCONNECT SWITCH SHALL BE WITHIN VIEW OF THE EQUIPMENT SERVED. MODIFY & EXTEND BRANCH CIRCUIT WIRING AS REQ'D. FOR INSTALLATION OF THE DISCONNECT SWITCH. NEW SWITCH MATERIALS & INSTALLATION SHALL BE COMPLIANT W/APPLICABLE REQUIREMENTS OF THE CURRENT NEC ARTICLES APPLICABLE REQUIREMENTS OF THE CURRENT NEC 424.19, 430 PART IX & 440 PART I. SEE DETAIL D/A3 & PROJECT MANUAL.

ROOF AREAS

ROOF 'A'	2,193 SF
ROOF 'B'	9,488 SF
ROOF 'C'	15,810 SF
ROOF 'D'	1,655 SF
ROOF 'E'	8,646 SF
ROOF 'F'	1,655 SF
ROOF 'G'	3,344 SF

TOTAL: 47,791 SF.
 THIS AREA IS APPROXIMATE- V.I.F.

ROOFS "A", "B", "C", "D", "E", "F", "G"

OUTSIDE AIR	0.17
EPM	0.33
COVER BOARD	2.20
AVG. 4" POLYISO INSUL.	26.4
CONCRETE DECK	1.23
INSIDE AIR	0.61
R TOTAL:	30.94

ENERGY CONSERVATION

IECC CODE REQUIREMENT R-VALUE TOTAL CONNECTICUT ZONE 5A
 CBSC REQUIREMENT: R24 = U .042 OR LESS

CODE INFORMATION

USE GROUP: E
 CONSTRUCTION CLASS: 2B
 BASIC WIND SPEED: 110 MPH
 SURFACE ROUGHNESS EXPOSURE: B
 IMPORTANCE FACTOR: 1.15
 FACTORY MUTUAL ENGINEERING & RESEARCH CORPORATION (FM): ROOF ASSEMBLY CLASSIFICATION OF NON-COMBUSTIBLE CONSTRUCTION, WIND UPLIFT REQUIREMENT OF 1-60 FOR FIELD, 1-90 FOR PERIMETER AND 1-120 FOR CORNERS, IN ACCORDANCE WITH FM PROPERTY LOSS PREVENTION DATA SHEETS 1-28.

GENERAL NOTES

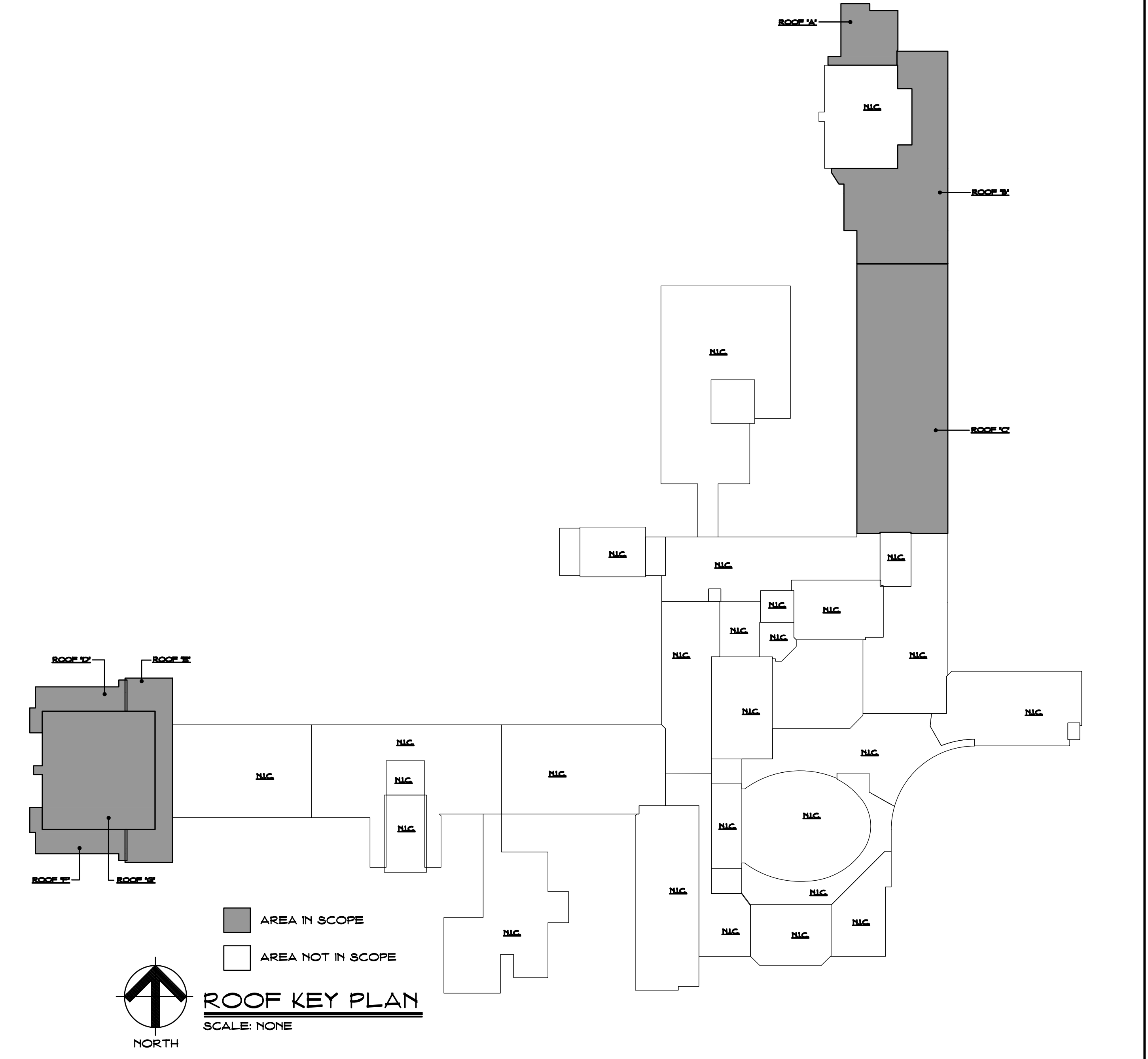
- ALL ROOFS TO RECEIVE 1/2" PER FOOT TAPERED RIGID INSULATION MINIMUM UNLESS OTHERWISE NOTED.
- FIELD VERIFY ALL DIMENSIONS & PERFORM TEST CUTS AT EACH ROOF PRIOR TO THE BID.
- ALL MATERIALS ARE NEW UNLESS OTHERWISE NOTED 'EXISTING'.
- ALL WOOD BLOCKING, PLYWOOD & NAILERS TO BE PRESSURE TREATED. (P.T.)
- ALL WOOD BLOCKING INDICATED IN DETAILS IS TO BE ANCHORED TO THE EXISTING STRUCTURE.
- ALL MEMBRANE FLASHING INDICATED IS TO EXTEND A MINIMUM OF 8" (VERTICAL OR HORIZONTAL).
- CONTRACTOR IS TO SURVEY THE EXISTING ROOF DECKS W/A LEVEL (AFTER DEMOLITION) TO VERIFY THE SLOPES INDICATED ON PLAN ARE ACCURATE. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO PERFORMING ANY ADDITIONAL ROOFING OPERATIONS.
- CONTRACTOR IS TO INSPECT THE UNDERSIDE OF ALL ROOF DECKS PRIOR TO ROOFING OPERATIONS TO INSURE THAT NO INTERIOR MATERIALS, EQUIPMENT, FINISHES OR OBJECTS WILL BE PIERCED OR DAMAGED.
- CONTRACTOR ASSUMES ALL RESPONSIBILITY OF ITEMS INTERIOR & EXTERIOR THAT MAY BECOME DETACHED DURING THE COURSE OF DEMOLITION/ CONSTRUCTION & WILL REPLACE ANY & ALL ITEMS &/OR DAMAGED EQUIPMENT W/NO ADDITIONAL COST TO OWNER.
- SITE AREAS DISTURBED SHALL BE CLEANED & RE-LEVELLED. W/LAWN AREAS MAGNETICALLY RAKED TO REMOVE ANY METAL DEBRIS & RE-SEEDDED AS REQUIRED TO MATCH ADJACENT CONDITIONS.
- CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR CLEAN UP OF ROOFING MATERIALS & DEBRIS THAT PENETRATES THE INTERIOR ENVELOPE OF THE BUILDING W/NO ADDITIONAL COST TO THE OWNER.
- SHAKE/CLEAN OUT ALL EXISTING VERTICAL & HORIZONTAL STORM WATER LEADERS OUT TO NEAREST MAN HOLE ON SITE OUTSIDE OF BUILDING.
- ALL CRICKETS ARE TO BE SLOPED @ A MINIMUM OF 1" PER FOOT & COORDINATE CRICKETS AROUND EXISTING HVAC UNITS AS REQUIRED TO AVOID PONDING.
- CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL & RE-INSTALLATION OF ALL HVAC UNITS INCLUDING ANY ELECTRICAL OR MECHANICAL CONNECTIONS. THIS MAY INCLUDE THE EXTENSION OF EXISTING ELECTRICAL & DUCTWORK SYSTEMS TO ACCOMMODATE NEW MECHANICAL UNIT CURBING & NEW ROOFING SYSTEM.
- SHAKE/CLEAN OUT ALL EXISTING VENT STACK BEFORE THE INSTALLATION OF METAL SLEEVE.
- ALL DRAIN PIPING IS INSULATED ABOVE THE CEILINGS. THE EXACT ROUTE WILL BE DETERMINED IN THE FIELD, MAKE MINOR ADJUSTMENT IN THE ROUTE AT NO ADDITIONAL COST TO OWNER.
- NEW INSULATION TO BE A MINIMUM 1 1/2" AT ALL EXISTING & NEW ROOF DRAINS.
- ALL ANTENNAS, CONDUITS & ANY OTHER OBJECTS TO REMAIN AFFECTED BY SCOPE OF WORK, TO BE REMOVED & REINSTALLED.
- CONTRACTOR MUST VISIT SITE & ROOF AREA(S) TO BECOME FAMILIARIZED WITH THE ENTIRE SCOPE OF WORK & ADJACENT SITE AREAS PRIOR TO BID.

DEMOLITION NOTES

- REMOVE THE FOLLOWING @ ALL ROOF AREAS:
 1. REMOVE ALL INDICATED EXISTING BUILT UP ROOF MEMBRANE & BALLAST.
 2. REMOVE ALL INDICATED EXISTING ROOF INSULATION DOWN TO EXISTING CONCRETE DECKS.
 3. REMOVE ALL INDICATED WOOD BLOCKING.
 4. REMOVE ALL INDICATED METAL FLASHING.
 5. REMOVE EXISTING MECHANICAL UNIT CURBS.
 6. REMOVE ALL INDICATED ROOF DRAINS, SUMPS & ALL INDICATED SCUPPERS.
 7. REMOVE INDICATED PORTION OF BRICK WALL, EXISTING METAL THROUGH-WALL FLASHING & EXISTING WEEP HOLES. SEE CONSTRUCTION NOTE #7.
- REMOVE ALL EXISTING ASPHALT COATING &/OR EXISTING PAINT & METAL FLASHING ON ALL INDICATED CONCRETE OVERHANGS. SEE CONSTRUCTION NOTE #10.
- REMOVE & DISPOSE OF EXISTING ELECTRICAL WIRING/CONDUIT & REFRIGERANT PIPING/CONDUIT & SUPPORTS.

SYMBOL LEGEND

- PLAN, SECTION, DETAIL OR ELEVATION NUMBER - SHEET NUMBER.
- EXISTING OUTLINE OF BUILDING.
- INDICATES SLOPE DIRECTION OF TAPERED INSULATION AT 1/2" FT. MIN.
- TAPERED INSULATION CRICKET SLOPED @ 1" PER FOOT.
- INDICATES HIGH POINT OF INSULATION.
- EXISTING ROOF DRAIN TO BE REMOVED. - SEE DEMOLITION NOTES.
- ROOF DRAIN & SUMP TO BE INSTALLED. - SEE DETAIL A/A3.
- EXISTING VENT STACK TO REMAIN. - SEE DETAIL B/A3.
- EXISTING ROOF TOP MECHANICAL UNIT TO REMAIN. - SEE CONST. #13.
- EXISTING ROOF TOP MECHANICAL UNIT TO REMAIN. - SEE DETAIL E/A3.
- PITCH POCKET TO BE INSTALLED. - SEE DETAIL C/A3.
- WALKWAY PADS. - SEE CONSTRUCTION NOTE #2.
- EMERGENCY SCUPPER. - SEE DETAIL S/A3.
- EXISTING CHIMNEY. - SEE DETAIL M/A3.
- ROOF DIVIDER. - SEE DETAIL G/A3.
- HORIZONTAL ROOF DRAIN LEADER. - SEE CONSTRUCTION NOTE #1.
- SCUPPER W/METAL COLLECTION BOX. - SEE DETAIL Y/A3.
- EXISTING DOOR. - SEE CONSTRUCTION NOTE #8.
- EXPANSION JOINT. - SEE DETAIL L/A3.
- CONDUIT CURB. - SEE DETAIL J/A3.
- EXISTING WINDOW. - SEE DETAIL Q/A3 SIM.
- EXISTING METAL FLUE. - SEE DETAIL K/A3.
- MECHANICAL UNIT LOCATED ON CURB. - SEE CONSTRUCTION NOTE #9.
- EXIST. METAL LADDER. - SEE CONSTRUCTION NOTE #4.
- EXISTING GUY WIRE TO REMAIN. - SEE DETAIL C/A3 SIM.
- EXISTING LOUVER. - SEE DETAIL Q/A3 SIM.
- METAL DOWNSPOUT. - SEE CONSTRUCTION NOTE #11.
- CONCRETE SPLASH BLOCK. - SEE CONSTRUCTION NOTE #12.



ROOF AREAS

ROOF 'A' 7,699 SF. ROOF 'E' 2,950 SF.
 ROOF 'B' 851 SF. ROOF 'F' 1,923 SF.
 ROOF 'C' 3,857 SF. ROOF 'G' 3,011 SF.
 ROOF 'D' 8,828 SF.

TOTAL: 29,119 SF.
 THIS AREA IS APPROXIMATE - V.I.P.
ENERGY CONSERVATION
 IECC CODE REQUIREMENT R-VALUE TOTAL
 CONNECTICUT ZONE 5A
 CBS/C REQUIREMENT: CONTINUOUS R25
CODE INFORMATION
 USE GROUP : E
 CONSTRUCTION CLASS: 2B
 BASIC WIND SPEED: 140 MPH
 RISK CATEGORY #3 134 MPH

FACTORY MUTUAL ENGINEERING & RESEARCH CORPORATION (FM): ROOF ASSEMBLY CLASSIFICATION OF NON-COMBUSTIBLE CONSTRUCTION, WIND UPLIFT REQUIREMENT OF 140 FOR FIELD, 190 FOR PERIMETER AND 120 FOR CORNERS, IN ACCORDANCE WITH FM PROPERTY LOSS PREVENTION DATA SHEETS 1-28.

ROOFS: 'A', 'B', 'C', 'D', 'E', 'F', 'G'

OUTSIDE AIR	0.17
EPDM	0.33
COVER BOARD	2.20
4" POLYISO INSUL.	26.4
METAL DECK	1.23
INSIDE AIR	0.61
R TOTAL:	30.94

SYMBOL LEGEND

- ① - PLAN, SECTION, DETAIL OR ELEVATION NUMBER - SHEET NUMBER.
- - - - - EXISTING OUTLINE OF BUILDING.
- SLOPE - INDICATES SLOPE DIRECTION OF TAPERED INSULATION AT 1/4" FT. MIN.
- CRICKET - TAPERED INSULATION CRICKET SLOPED @ 1/4" PER FOOT.
- HP - HIGH POINT - INDICATES HIGH POINT OF INSULATION.
- R.D. - EXISTING ROOF DRAIN TO BE REMOVED. SEE DEMOLITION NOTES.
- N.R.D. - ROOF DRAIN & SUMP TO BE INSTALLED. SEE DETAIL A/A3.
- V.S. - EXISTING VENT STACK TO REMAIN. SEE DETAIL B/A3.
- EM.U. #1 - EXISTING ROOF TOP MECHANICAL UNIT TO REMAIN. SEE CONSTRUCTION NOTE #13.
- EM.U. #2 - EXISTING ROOF TOP MECHANICAL UNIT TO REMAIN. SEE DETAIL E/A3.
- P.P. - PITCH POCKET TO BE INSTALLED. SEE DETAIL C/A3.
- - WALKWAY PADS. SEE CONSTRUCTION NOTE #2.
- E.S. - EMERGENCY SCUPPER. SEE DETAIL S/A3.
- E.C. - EXISTING CHIMNEY. SEE DETAIL M/A3 & Y/A3.
- R.D. - ROOF DIVIDER. SEE DETAIL G/A3.
- N.H.R.L. - HORIZONTAL ROOF DRAIN LEADER. SEE CONSTRUCTION NOTE #1.
- S.C. - SCUPPER W/METAL COLLECTION BOX. SEE DETAIL P/A3.
- E.D. - EXISTING DOOR. SEE CONSTRUCTION NOTE #8.
- E.J. - EXPANSION JOINT. SEE DETAIL L/A3.
- CC - CONDUIT CURB. SEE DETAIL J/A3.
- E.W. - EXISTING WINDOW. SEE DETAIL Q/A3 SM.
- E.M.F. - EXISTING METAL FLUE. SEE DETAIL K/A3.
- E.M.C. - MECHANICAL UNIT LOCATED ON CURB. SEE CONSTRUCTION NOTE #9.
- E.L. - EXIST. METAL LADDER. SEE CONSTRUCTION NOTE #4.
- G.W. - EXISTING GUY WIRE TO REMAIN. SEE DETAIL C/A3 SM.
- L.L. - EXISTING LOUVER. SEE DETAIL Q/A3 SM.
- D.S. - METAL DOWNSPOUT. SEE CONSTRUCTION NOTE #11.
- SA - CONCRETE SPLASHBLOCK. SEE CONSTRUCTION NOTE #12.

GENERAL NOTES

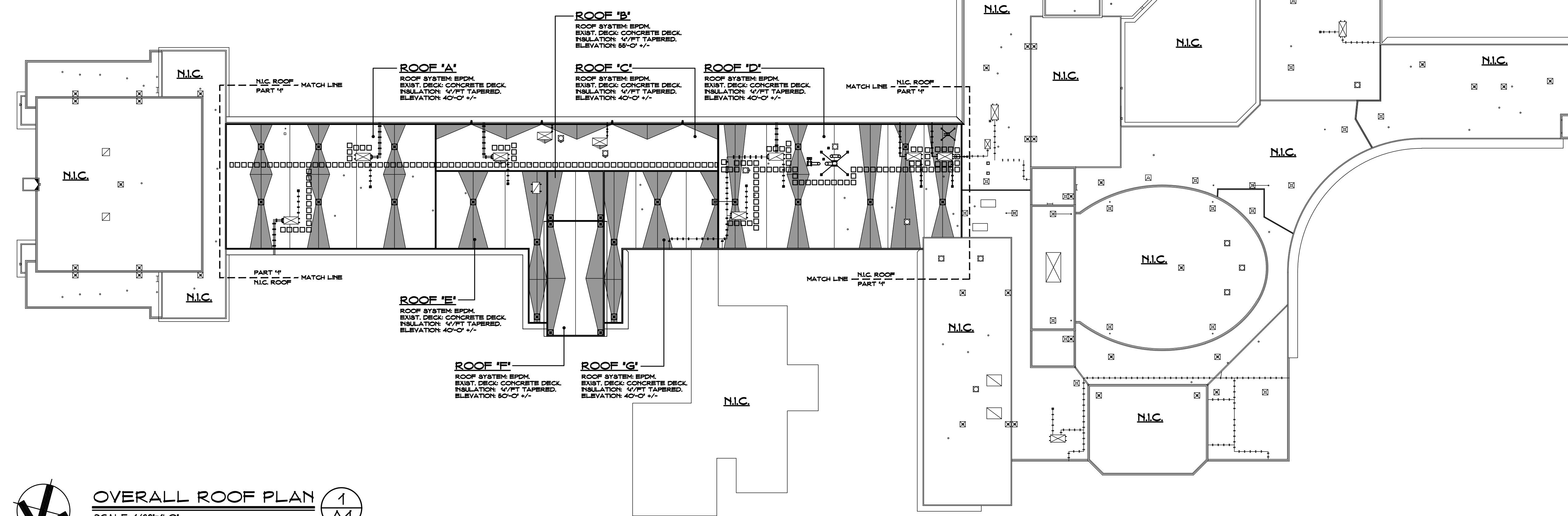
- ALL ROOFS TO RECEIVE 1/4" PER FOOT TAPERED RIGID INSULATION MINIMUM UNLESS OTHERWISE NOTED.
- FIELD VERIFY ALL DIMENSIONS & PERFORM TEST CUTS AT EACH ROOF PRIOR TO THE BID.
- ALL MATERIALS ARE NEW UNLESS OTHERWISE NOTED 'EXISTING'.
- ALL WOOD BLOCKING, PLYWOOD & HALTERS TO BE PRESSURE TREATED (P.T.)
- ALL WOOD BLOCKING INDICATED IN DETAILS IS TO BE ANCHORED TO THE EXISTING STRUCTURE.
- ALL MEMBRANE FLASHING INDICATED IS TO EXTEND A MINIMUM OF 6" (VERTICAL OR HORIZONTAL)
- CONTRACTOR IS TO SURVEY THE EXISTING ROOF DECKS W/A LEVEL (AFTER DEMOLITION) TO VERIFY THE SLOPES INDICATED ON PLAN ARE ACCURATE. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO PERFORMING ANY ADDITIONAL ROOFING OPERATIONS.
- CONTRACTOR IS TO INSPECT THE UNDERSIDE OF ALL ROOF DECKS PRIOR TO ROOFING OPERATIONS TO INSURE THAT NO INTERIOR MATERIALS, EQUIPMENT, FINISHES OR OBJECTS WILL BE PERFORCED OR DAMAGED.
- CONTRACTOR ASSUMES ALL RESPONSIBILITY OF ITEMS INTERIOR & EXTERIOR THAT MAY BECOME DAMAGED DURING THE COURSE OF DEMOLITION/CONSTRUCTION & WILL REPLACE ANY & ALL ITEMS &/OR DAMAGED EQUIPMENT W/NO ADDITIONAL COST TO OWNER.
- SITE AREAS DISTURBED SHALL BE CLEANED & RE-LEVELLED. W/LAWN AREAS MAGNETICALLY RAKED TO REMOVE ANY METAL DEBRIS & RE-SEEDED AS REQUIRED TO MATCH ADJACENT CONDITIONS.
- CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR CLEAN UP OF ROOFING MATERIALS & DEBRIS THAT PENETRATES THE INTERIOR ENVELOPE OF THE BUILDING W/NO ADDITIONAL COST TO THE OWNER.
- SNAKE/CLEAN OUT ALL EXISTING VERTICAL & HORIZONTAL STORM WATER LEADERS OUT TO NEAREST MAN HOLE ON SITE OUTSIDE OF BUILDING.
- ALL CRICKETS ARE TO BE SLOPED @ A MINIMUM OF 1/4" PER FOOT & COORDINATE CRICKETS AROUND EXISTING HVAC UNITS AS REQUIRED TO AVOID PONDING.
- CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL & RE-INSTALLATION OF ALL HVAC UNITS INCLUDING ANY ELECTRICAL OR MECHANICAL CONNECTIONS. THIS MAY INCLUDE THE EXTENSION OF EXISTING ELECTRICAL & DUCTWORK SYSTEMS TO ACCOMMODATE NEW MECHANICAL UNIT CURBING & NEW ROOFING SYSTEM.
- SNAKE/CLEAN OUT ALL EXISTING VENT STACK BEFORE THE INSTALLATION OF METAL SLEEVE.
- ALL DRAIN PIPING IS INSULATED ABOVE THE CEILING. THE EXACT ROUTE WILL BE DETERMINED IN THE FIELD, MAKE MINOR ADJUSTMENT IN THE ROUTE AT NO ADDITIONAL COST TO OWNER.
- NEW INSULATION TO BE A MINIMUM 4" AT ALL EXISTING & NEW ROOF DRAINS.
- ALL ANTENNAS, CONDUITS & ANY OTHER OBJECTS TO REMAIN AFFECTED BY SCOPE OF WORK, TO BE REMOVED & REINSTALLED.
- CONTRACTOR MUST VISIT SITE & ROOF AREAS TO BECOME FAMILIARIZED WITH THE ENTIRE SCOPE OF WORK & ADJACENT SITE AREAS PRIOR TO BID.

DEMOLITION NOTES (1) →

- REMOVE THE FOLLOWING @ ALL ROOF AREAS:
- REMOVE ALL INDICATED EXISTING BUILT UP ROOF MEMBRANE & BALLAST.
 - REMOVE ALL INDICATED EXISTING ROOF INSULATION DOWN TO EXISTING CONCRETE DECKS.
 - REMOVE ALL INDICATED WOOD BLOCKING.
 - REMOVE ALL INDICATED METAL FLASHING.
 - REMOVE EXISTING MECHANICAL UNIT CURBS.
 - REMOVE ALL INDICATED ROOF DRAINS/SUMPS. CORE HOLE IN EXISTING CONCRETE ROOF DECK THE DIAMETER OF NEW ROOF DRAIN.
 - REMOVE INDICATED PORTION OF BRICK WALL, EXISTING METAL THROUGH WALL FLASHING & EXISTING WEEP HOLES. SEE CONSTRUCTION NOTE #10.
 - REMOVE ALL EXISTING ASPHALT COATING &/OR EXISTING PAINT & METAL FLASHING ON ALL INDICATED CONCRETE OVERHANGS. SEE CONSTRUCTION NOTE #10.
 - REMOVE & DISPOSE OF EXISTING ELECTRICAL WIRING/CONDUIT & REFRIGERANT PIPING/CONDUIT & SUPPORTS.
 - REMOVE & DISPOSE OF EXISTING OUTDATED WIND MAST.
 - REMOVE ALL SCIENCE HOOD RELATED EQUIP. FANS, DUCTS, CABLES/ ELECTRICITY THROUGH THE ROOF & INTO THE CLASSROOMS BENEATH. PATCH & REPAIR ROOF DECK W/ CONCRETE.
 - REMOVE ALL EXIST. FUME HOOD EXHAUST DUCT WORK, CURBS, CABLE SUPPORTS MOTOR ASSEMBLY.
 - REMOVE EXISTING TRIPOD MOUNTED WEATHER SENSOR, & SUPPORT CABLES.

CONSTRUCTION NOTES (2) →

- HORIZONTAL ROOF LEADER (MATCH DIAMETER OF EXISTING) ABOVE CEILING SLOPED @ 1/4" FT. MIN. THE VERTICAL LEADERS INTO EXISTING PIPING AS REQUIRED. SEAL ALL PENETRATIONS THROUGH WALLS W/FIRE PUTTY AS REQUIRED BY CODE. PATCH & REPAIR ALL AREAS DAMAGED BY INSTALLATION OF NEW PIPING.
- WALKWAY PADS TO BE INSTALLED. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO PROVIDE A SPECIFIED QUANTITY OF CONCRETE DECK REPAIR & REPLACEMENT. SEE PROJECT MANUAL.
- EXISTING METAL SHIP LADDER TO REMAIN. SCRAPE, PRIME & PAINT. SEE PROJECT MANUAL.
- INSTALL NEW ELECTRICAL WIRING/PVC CONDUIT CASING, REFRIGERANT PIPING, INSULATION & PVC JACKET ON NEW PIPING. CONNECT TO REINSTALLED MECH. UNIT. SEE PROJECT MANUAL.
- EXTEND ALL PLUMBING VENTS TO A MIN OF 10'. SEE DETAIL Z/A3
- REMOVE EXISTING METAL THROUGH-WALL FLASHING/ WEEP HOLES. REMOVE FIVE (5) COURSES OF EXISTING MASONRY WALL. TEMPORARILY SUPPORT & INSTALL NEW THROUGH-WALL FLASHING & WEEP VENTS. INSTALL NEW BRICK. SEE DETAIL N/A3.
- EXISTING DOOR TO REMAIN. TEMPORARILY REMOVE & REINSTALL IF NEEDED FOR ROOFING OPERATIONS. SEE DETAIL Q/A3 SM.
- TEMPORARILY REMOVE EXISTING MECH. UNIT & STORE IN SAFE LOCATION DURING ROOFING OPERATIONS. REINSTALL EXIST MECH. UNIT IN EXIST. LOCATION. REMOVE EXISTING CURB & FASTEN NEW MECHANICAL UNIT CURB TO EXISTING DECK. SEE DETAIL F/A3
- RAKE & RE-CAULK ALL EXISTING EXPANSION JOINTS LOCATED ON ALL CONCRETE OVERHANGS. SEE DETAILS T/A3, U/A3, V/A3, W/A3 & Y/A3.
- INSTALL NEW METAL DOWNSPOUTS @ ALL INDICATED SCUPPER LOCATIONS. CONTRACTOR TO CORE 31" HOLE THROUGH EXISTING CONCRETE SHELF TO ALLOW FOR NEW DOWNSPOUT INSTALLATION. SEE DETAIL Y/A3 & PROJECT MANUAL.
- INSTALL NEW CONCRETE SPLASHBLOCKS @ ALL INDICATED METAL DOWNSPOUT LOCATIONS. SEE PROJECT MANUAL.
- CONTRACTOR SHALL REPLACE ALL OR PROVIDE NEW ROOF TOP EQUIPMENT DISCONNECT SWITCHES IN THIS PROJECT SCOPE. NEW SWITCHES SHALL BE NON-FUSED, NEMA 3R RATED & SHALL MATCH THE VOLTAGE & CURRENT RATINGS OF THE EQUIPMENT SERVED. NEW DISCONNECT SWITCHES SHALL BE MOUNTED TO A NON-REMOVABLE PANEL ON THE EQUIPMENT SERVED OR THE CONTRACTOR SHALL PROVIDE A SUITABLE UN-STRUT SUPPORT FOR PROPER MOUNTING. IN ALL CASES, THE NEW DISCONNECT SWITCH SHALL BE WITHIN VIEW OF THE EQUIPMENT SERVED. MODIFY & EXTEND BRANCH CIRCUIT WIRING AS REQ'D. FOR INSTALLATION OF THE DISCONNECT SWITCH. NEW SWITCH MATERIALS & INSTALLATION SHALL BE COMPLIANT W/APPLICABLE REQUIREMENTS OF THE CURRENT NEC ARTICLES APPLICABLE REQUIREMENTS OF THE CURRENT NEC 424.19, 430 PART 1X & 440 PART 1. SEE DETAIL D/A3 & PROJECT MANUAL.



OVERALL ROOF PLAN (1) (A1)
 SCALE: 1/32"=1'-0"

SYMBOL LEGEND

- PLAN, SECTION, DETAIL OR ELEVATION NUMBER - SHEET NUMBER.
- EXISTING OUTLINE OF BUILDING.
- INDICATES SLOPE DIRECTION OF TAPERED INSULATION AT 1/4" FT. MIN.
- TAPERED INSULATION CRICKET SLOPED @ 1/4" PER FOOT.
- INDICATES HIGH POINT OF INSULATION.
- EXISTING ROOF DRAIN TO BE REMOVED. SEE DEMOLITION NOTES.
- ROOF DRAIN & SUMP TO BE INSTALLED. SEE DETAIL A/A3.
- EXISTING VENT STACK TO REMAIN. SEE DETAIL B/A3.
- EXISTING ROOF TOP MECHANICAL UNIT TO REMAIN. SEE CONSTRUCTION NOTE #1.
- EXISTING ROOF TOP MECHANICAL UNIT TO REMAIN. SEE DETAIL E/A3.
- PITCH POCKET TO BE INSTALLED. SEE DETAIL C/A3.
- WALKWAY PADS. SEE CONSTRUCTION NOTE #2.
- EMERGENCY SCUPPER. SEE DETAIL S/A3.
- EXPANSION JOINT. SEE DETAIL L/A3.
- CONDUIT CURB. SEE DETAIL J/A3.
- EXISTING WINDOW. SEE DETAIL Q/A3 SM.
- EXISTING METAL FLUE. SEE DETAIL K/A3.
- MECHANICAL UNIT LOCATED ON CURB. SEE CONSTRUCTION NOTE #3.
- EXIST. METAL LADDER. SEE CONSTRUCTION NOTE #4.
- EXISTING GUY WIRE TO REMAIN. SEE DETAIL C/A3 SM.
- EXISTING LOUVER. SEE DETAIL G/A3 SM.
- METAL DOWNSPOUT. SEE CONSTRUCTION NOTE #11.
- CONCRETE SPLASHBLOCK. SEE CONSTRUCTION NOTE #12.

GENERAL NOTES

1. ALL ROOFS TO RECEIVE 1/4" PER FOOT TAPERED RIGID INSULATION MINIMUM UNLESS OTHERWISE NOTED.
2. FIELD VERIFY ALL DIMENSIONS & PERFORM TEST CUTS AT EACH ROOF PRIOR TO THE BID.
3. ALL MATERIALS ARE NEW UNLESS OTHERWISE NOTED 'EXISTING'.
4. ALL WOOD BLOCKING, PLYWOOD & NAILERS TO BE PRESSURE TREATED (P.T.)
5. ALL WOOD BLOCKING INDICATED IN DETAILS IS TO BE ANCHORED TO THE EXISTING STRUCTURE.
6. ALL MEMBRANE FLASHING INDICATED IS TO EXTEND A MINIMUM OF 6" (VERTICAL OR HORIZONTAL)
7. CONTRACTOR IS TO SURVEY THE EXISTING ROOF DECKS W/A LEVEL. (AFTER DEMOLITION) TO VERIFY THE SLOPES INDICATED ON PLAN ARE ACCURATE. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO PERFORMING ANY ADDITIONAL ROOFING OPERATIONS.
8. CONTRACTOR IS TO INSPECT THE UNDERSIDE OF ALL ROOF DECKS PRIOR TO ROOFING OPERATIONS TO INSURE THAT NO INTERIOR MATERIALS, EQUIPMENT, FINISHES OR OBJECTS WILL BE PERCED OR DAMAGED.
9. CONTRACTOR ASSUMES ALL RESPONSIBILITY OF ITEMS INTERIOR & EXTERIOR THAT MAY BECOME DAMAGED DURING THE COURSE OF DEMOLITION/CONSTRUCTION & WILL REPLACE ANY & ALL ITEMS &/OR DAMAGED EQUIPMENT W/NO ADDITIONAL COST TO OWNER.
10. SITE AREAS DISTURBED SHALL BE CLEANED & RE-LEVELLED, W/LAWN AREAS MAGNETICALLY RAKED TO REMOVE ANY METAL DEBRIS & RE-SEEDED AS REQUIRED TO MATCH ADJACENT CONDITIONS.
11. CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR CLEAN UP OF ROOFING MATERIALS & DEBRIS THAT PENETRATES THE INTERIOR ENVELOPE OF THE BUILDING W/NO ADDITIONAL COST TO THE OWNER.
12. SNAKE/CLEAN OUT ALL EXISTING VERTICAL & HORIZONTAL STORM WATER LEADERS OUT TO NEAREST MAN HOLE ON SITE OUTSIDE OF BUILDING.
13. ALL CRICKETS ARE TO BE SLOPED @ A MINIMUM OF 1/4" PER FOOT & COORDINATE CRICKETS AROUND EXISTING HVAC UNITS AS REQUIRED TO AVOID PONDING.
14. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL & RE-INSTALLATION OF ALL HVAC UNITS INCLUDING ANY ELECTRICAL OR MECHANICAL CONNECTIONS. THIS MAY INCLUDE THE EXTENSION OF EXISTING ELECTRICAL & DUCTWORK SYSTEMS TO ACCOMMODATE NEW MECHANICAL UNIT CURBS & NEW ROOFING SYSTEM.
15. SNAKE/CLEAN OUT ALL EXISTING VENT STACK BEFORE THE INSTALLATION OF METAL SLEEVE.
16. ALL DRAIN PIPING IS INSULATED ABOVE THE CEILING. THE EXACT ROUTE WILL BE DETERMINED IN THE FIELD, MAKE MINOR ADJUSTMENT IN THE ROUTE AT NO ADDITIONAL COST TO OWNER.
17. NEW INSULATION TO BE A MINIMUM 4" AT ALL EXISTING & NEW ROOF DRAINS.
18. ALL ANTENNAS, CONDUITS & ANY OTHER OBJECTS TO REMAIN AFFECTED BY SCOPE OF WORK, TO BE REMOVED & REINSTALLED.
19. CONTRACTOR MUST VISIT SITE & ROOF AREAS TO BECOME FAMILIARIZED WITH THE ENTIRE SCOPE OF WORK & ADJACENT SITE AREAS PRIOR TO BID.

DEMOLITION NOTES

1. REMOVE THE FOLLOWING @ ALL ROOF AREAS:
 - 1. REMOVE ALL INDICATED EXISTING BUILT UP ROOF MEMBRANE & BALLAST.
 - 2. REMOVE ALL INDICATED EXISTING ROOF INSULATION DOWN TO EXISTING CONCRETE DECKS.
 - 3. REMOVE ALL INDICATED WOOD BLOCKING.
 - 4. REMOVE ALL INDICATED METAL FLASHING.
 - 5. REMOVE EXISTING MECHANICAL UNIT CURBS.
 - 6. REMOVE ALL INDICATED ROOF DRAINS/SUMPS, CORE HOLE IN EXISTING CONCRETE ROOF DECK THE DIAMETER OF NEW ROOF DRAIN.
 - 7. REMOVE INDICATED PORTION OF BRICK WALL, EXISTING METAL THROUGH WALL FLASHING & EXISTING WEEP HOLES. SEE CONSTRUCTION NOTE #7.
 - 8. REMOVE ALL EXISTING ASPHALT COATING &/OR EXISTING PAINT & METAL FLASHING ON ALL INDICATED CONCRETE OVERHANGS. SEE CONSTRUCTION NOTE #10.
 - 9. REMOVE & DISPOSE OF EXISTING ELECTRICAL WIRING/CONDUIT & REFRIGERANT PIPING/CONDUIT & SUPPORTS.
 - 10. REMOVE & DISPOSE OF EXISTING OUTDATED WIND MAST.
 - 11. REMOVE ALL SCIENCE HOOD RELATED EQUIP. FANS, DUCTS, CABLES/ ELECTRICITY THROUGH THE ROOF & INTO THE CLASSROOMS BENEATH. PATCH & REPAIR ROOF DECK W/ CONCRETE.
 - 12. REMOVE ALL EXIST. FUME HOOD EXHAUST DUCT WORK, CURBS, CABLE SUPPORTS MOTOR ASSEMBLY.
 - 13. REMOVE EXISTING TRIPOD MOUNTED WEATHER SENSOR, & SUPPORT CABLES.

CONSTRUCTION NOTES

1. HORIZONTAL ROOF LEADER MATCH DIAMETER OF EXISTING ABOVE CEILING SLOPED @ 1/4" FT. MIN. THE VERTICAL LEADERS INTO EXISTING PIPING AS REQUIRED. SEAL ALL PENETRATIONS THROUGH WALLS W/FIRE PUTTY AS REQUIRED BY CODE. PATCH & REPAIR ALL AREAS DAMAGED BY INSTALLATION OF NEW PIPING.
2. WALKWAY PADS TO BE INSTALLED. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
3. CONTRACTOR TO PROVIDE A SPECIFIED QUANTITY OF CONCRETE DECK REPAIR & REPLACEMENT. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
4. EXISTING METAL SHIP LADDER TO REMAIN. SCRAPE, PRIME & PAINT. SEE PROJECT MANUAL.
5. INSTALL NEW ELECTRICAL WIRING/PVC CONDUIT CASING, REFRIGERANT PIPING, INSULATION & PVC JACKET ON NEW PIPING. CONNECT TO REINSTALLED MECH. UNIT. SEE PROJECT MANUAL.
6. NOT USED.
7. REMOVE EXISTING METAL THROUGH-WALL FLASHING/WEEP HOLES. REMOVE FIVE (5) COURSES OF EXISTING MASONRY WALL. TEMPORARILY SUPPORT & INSTALL NEW THROUGH-WALL FLASHING & WEEP VENTS. INSTALL NEW BRICK. SEE DETAIL N/A3.
8. EXISTING DOOR TO REMAIN. TEMPORARILY REMOVE & REINSTALL IF NEEDED FOR ROOFING OPERATIONS. SEE DETAIL Q/A3 SM.
9. TEMPORARILY REMOVE EXISTING MECH UNIT & STORE IN SAFE LOCATION DURING ROOFING OPERATIONS. REINSTALL EXIST MECH UNIT IN EXIST. LOCATION. REMOVE EXISTING CURB & FASTEN NEW MECHANICAL UNIT CURB TO EXISTING DECK. SEE DETAIL F/A3.
10. RAKE & RE-CAULK ALL EXISTING EXPANSION JOINTS LOCATED ON ALL CONCRETE OVERHANGS. SEE DETAILS T/A3, U/A3, V/A3, W/A3 & Y/A3.
11. INSTALL NEW METAL DOWNSPOUTS @ ALL INDICATED SCUPPER LOCATIONS. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
12. INSTALL NEW CONCRETE SPLASHBLOCKS @ ALL INDICATED METAL DOWNSPOUT LOCATIONS. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
13. CONTRACTOR SHALL REPLACE ALL OR PROVIDE NEW ROOF TOP EQUIPMENT DISCONNECT SWITCHES IN THIS PROJECT SCOPE. NEW SWITCHES SHALL BE NON-FUSED, NEMA 3R RATED & SHALL MATCH THE VOLTAGE & CURRENT RATINGS OF THE EQUIPMENT SERVED. NEW DISCONNECT SWITCHES SHALL BE MOUNTED TO A NON-REMOVABLE PANEL ON THE EQUIPMENT SERVED OR THE CONTRACTOR SHALL PROVIDE A SUITABLE UN-STRUT SUPPORT FOR PROPER MOUNTING. IN ALL CASES, THE NEW DISCONNECT SWITCH SHALL BE WITHIN VIEW OF THE EQUIPMENT SERVED. MODIFY & EXTEND BRANCH CIRCUIT WIRING AS REQ'D. FOR INSTALLATION OF THE DISCONNECT SWITCH. NEW SWITCH MATERIALS & INSTALLATION SHALL BE COMPLIANT W/APPLICABLE REQUIREMENTS OF THE CURRENT NEC ARTICLES APPLICABLE REQUIREMENTS OF THE CURRENT NEC 424.19, 430 PART IX & 440 PART I. SEE DETAIL D/A3 & PROJECT MANUAL.

ROOF AREAS

ROOF 'A'	7,699 SF.	ROOF 'E'	2,950 SF.
ROOF 'B'	851 SF.	ROOF 'F'	1,923 SF.
ROOF 'C'	3,857 SF.	ROOF 'G'	3,011 SF.
ROOF 'D'	8,828 SF.		

TOTAL: 29,119 SF.
THIS AREA IS APPROXIMATE - V.I.F.

ENERGY CONSERVATION

IECC CODE REQUIREMENT R-VALUE TOTAL
CONNECTICUT ZONE 5A
CBCS REQUIREMENT: CONTINUOUS R25

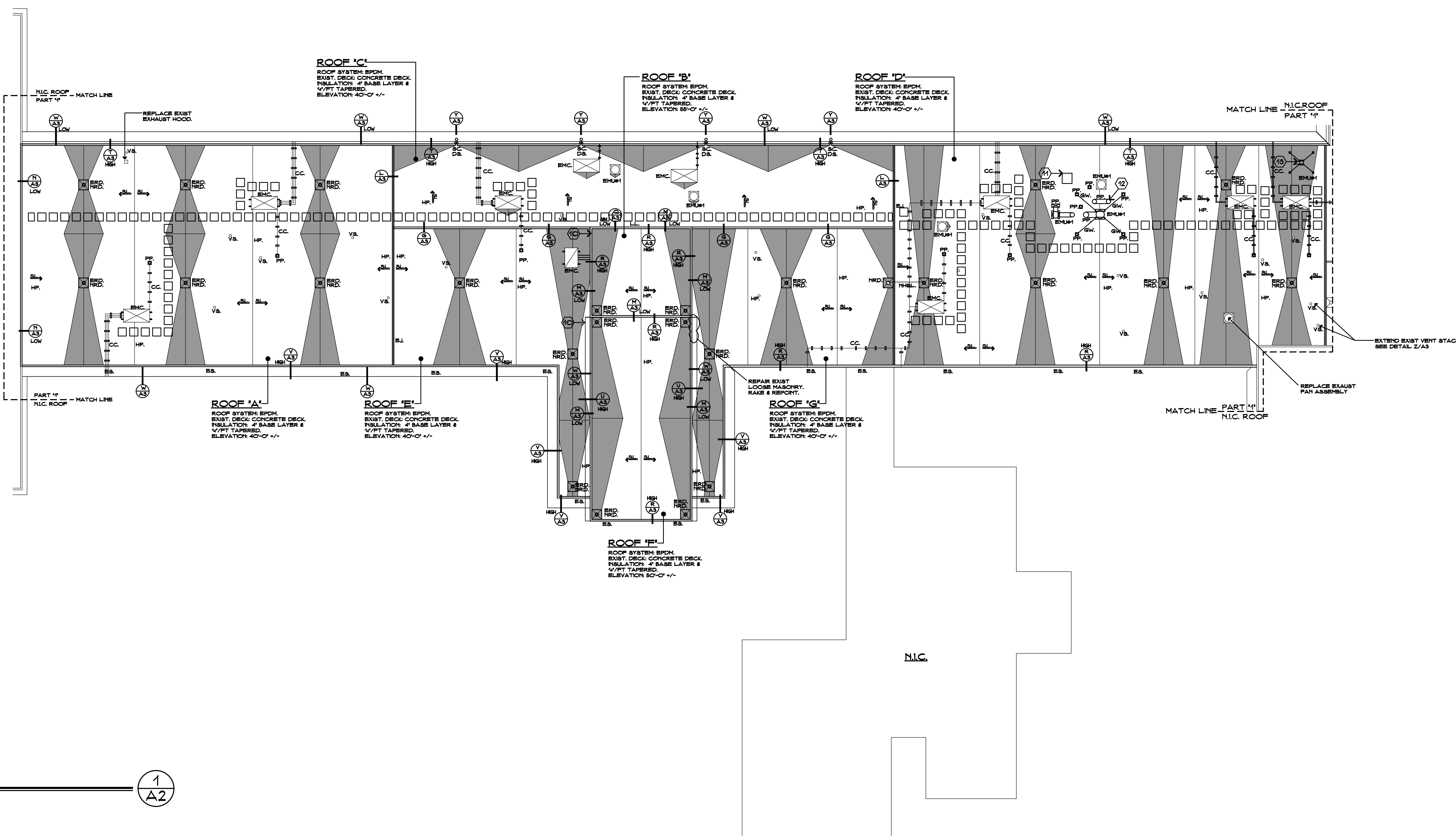
CODE INFORMATION

USE GROUP : E
CONSTRUCTION CLASS: 2B
BASIC WIND SPEED: 110 MPH
RISK CATEGORY #3 134 MPH

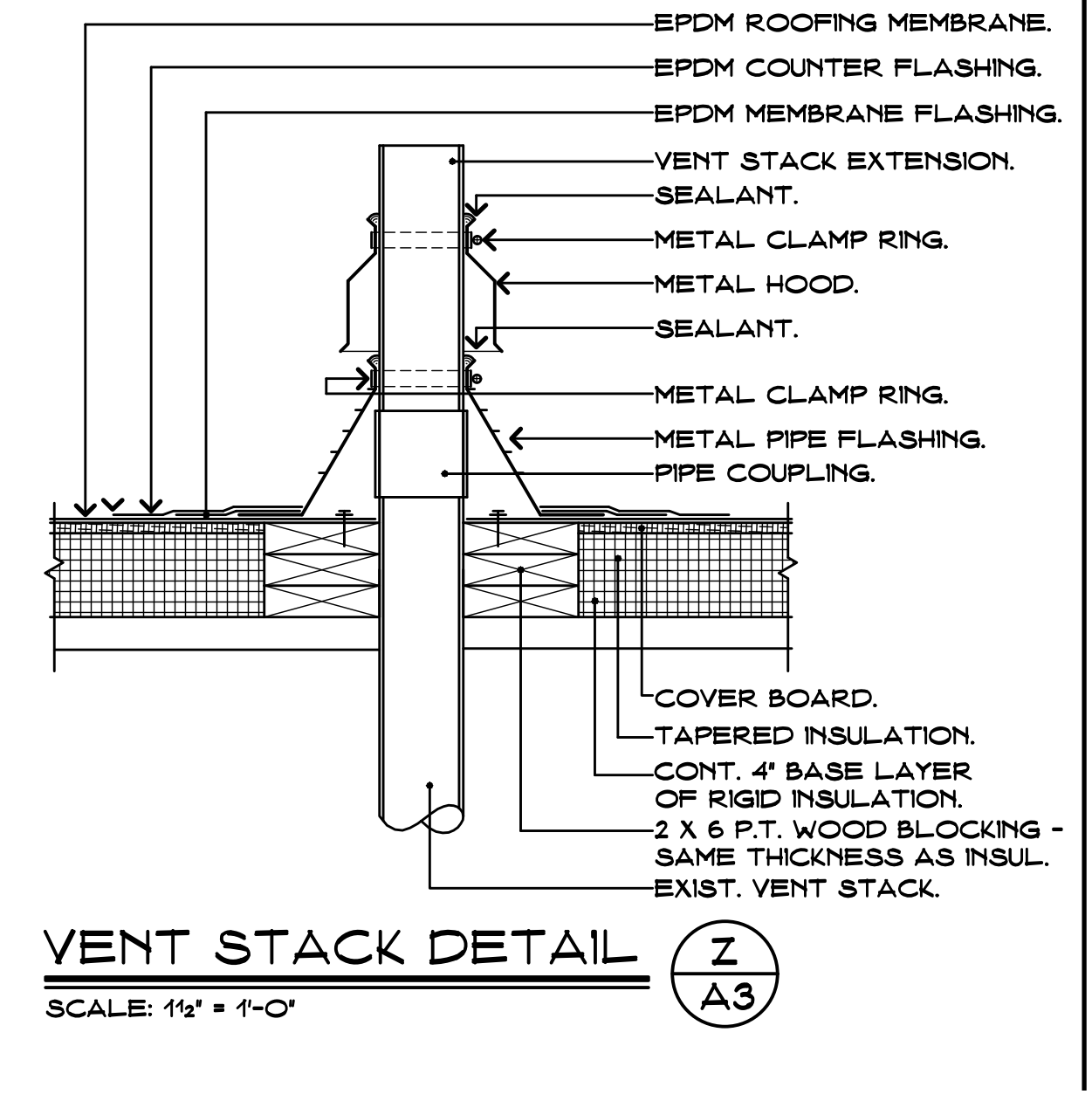
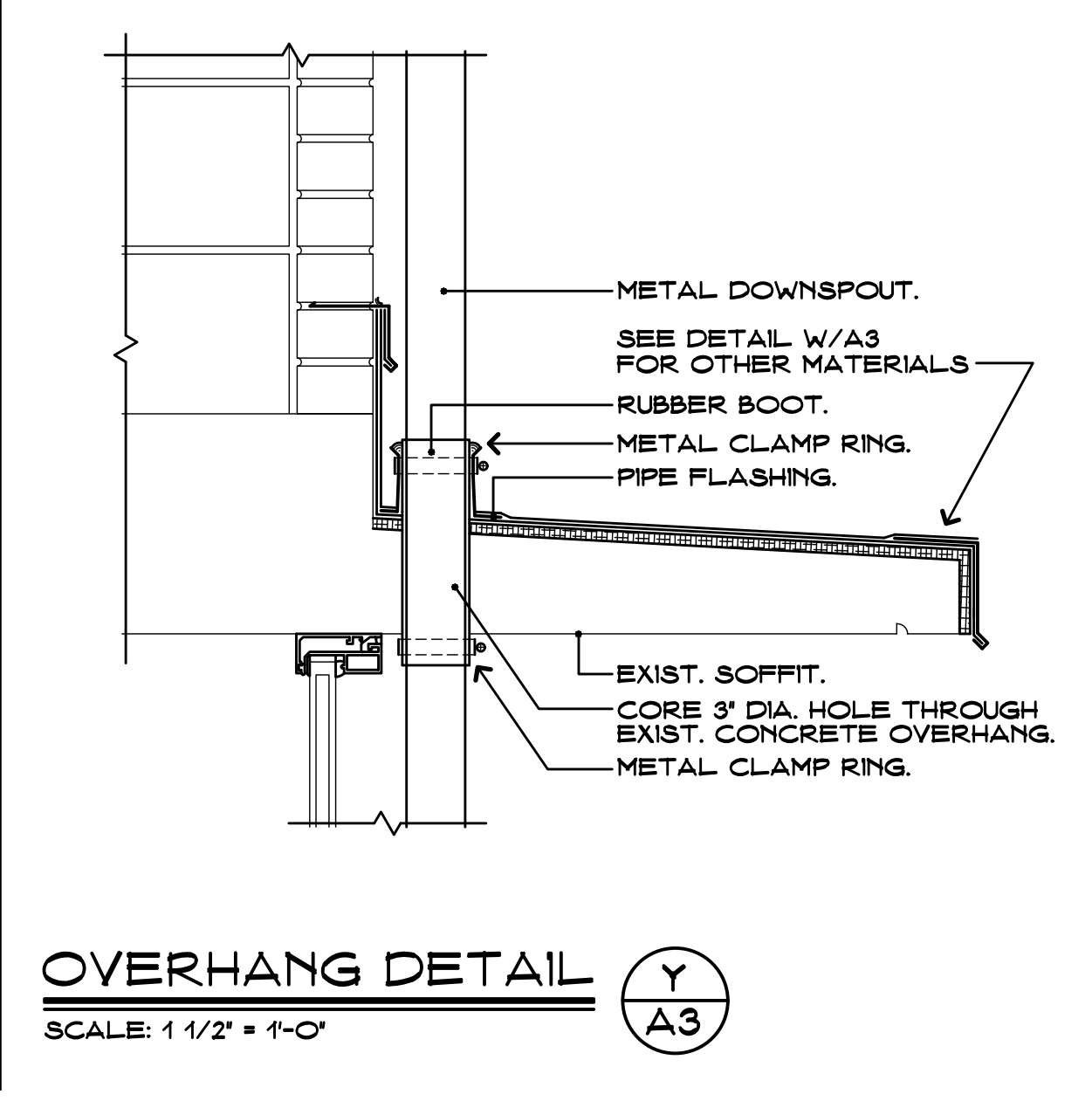
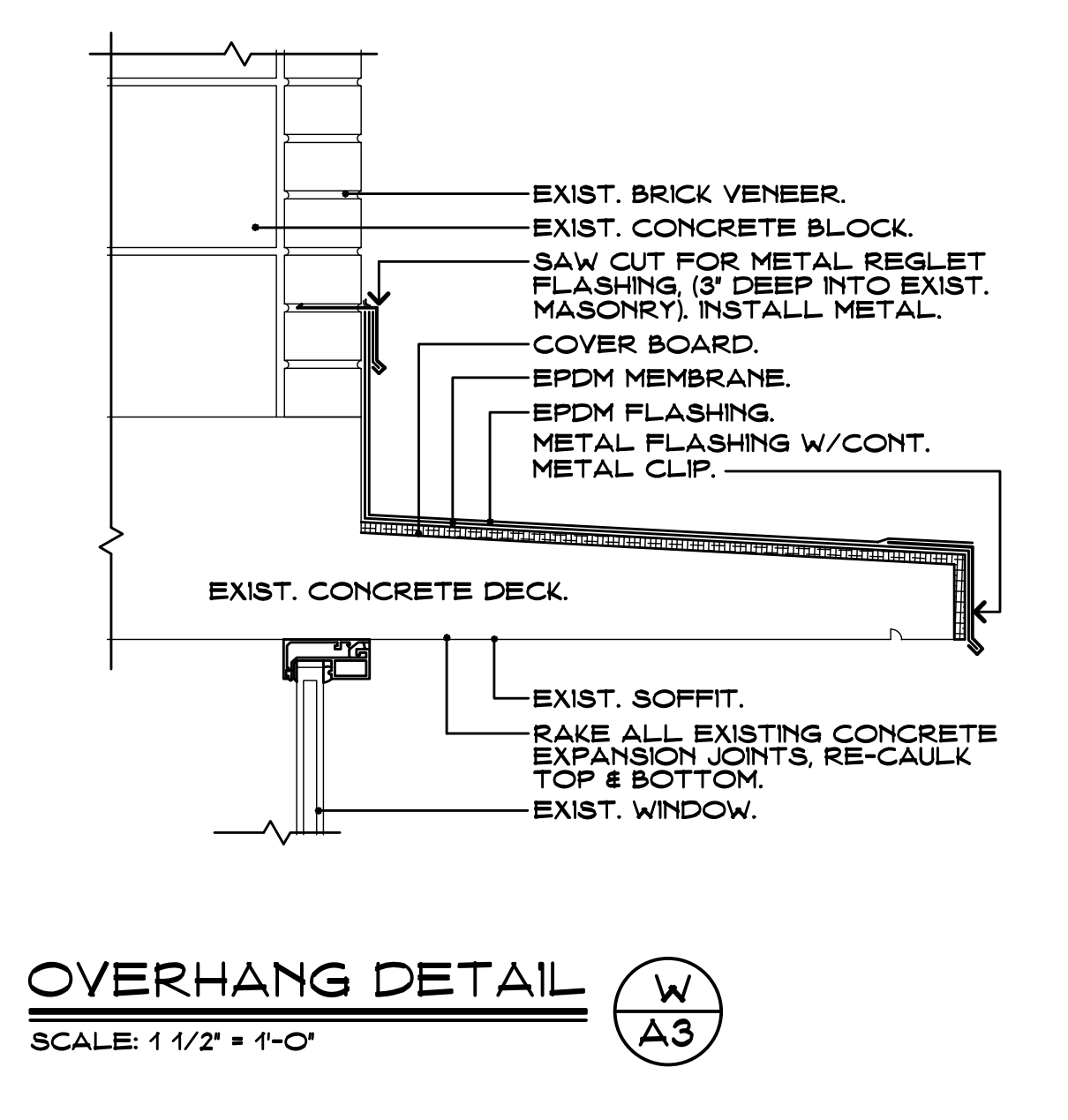
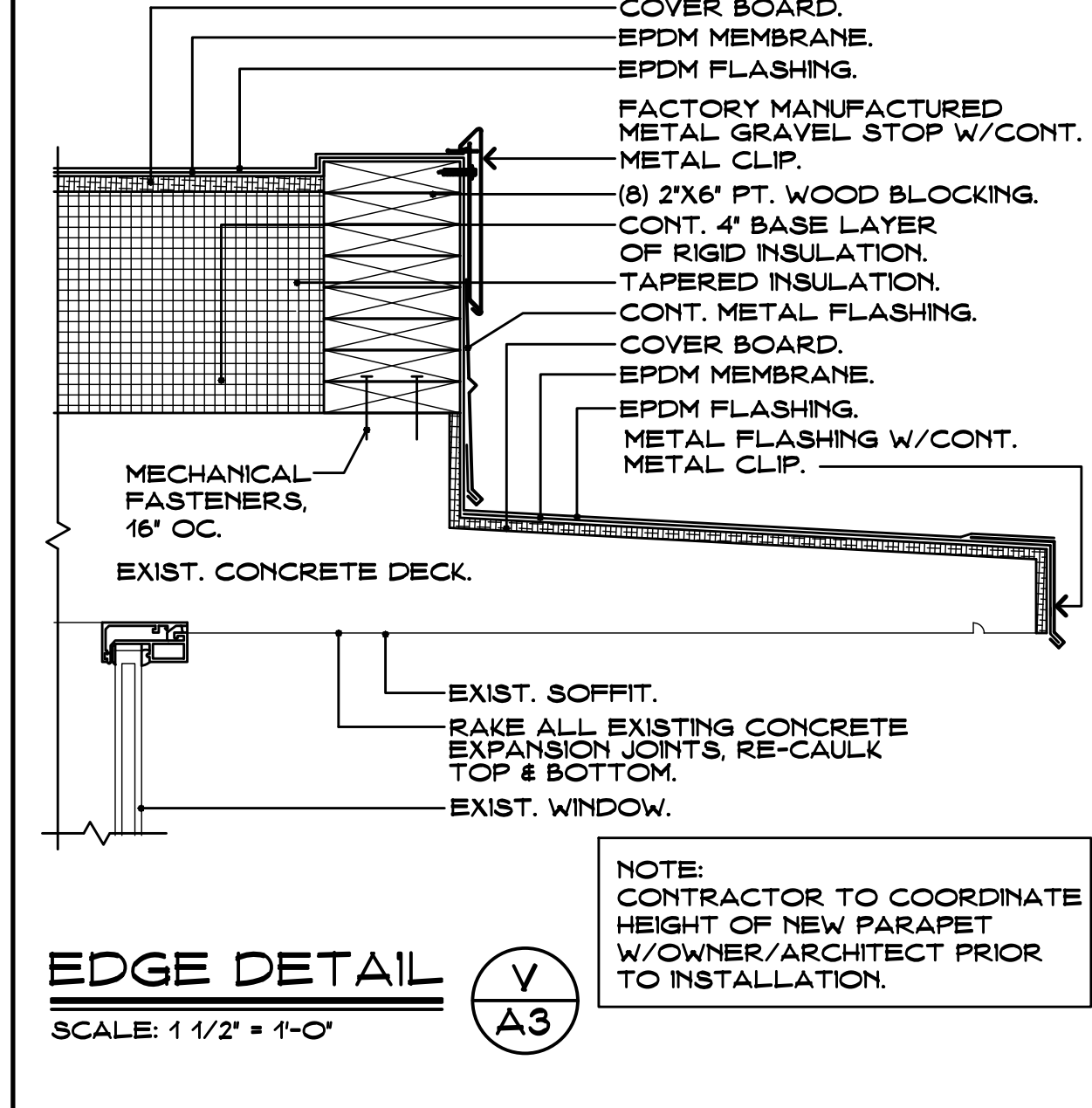
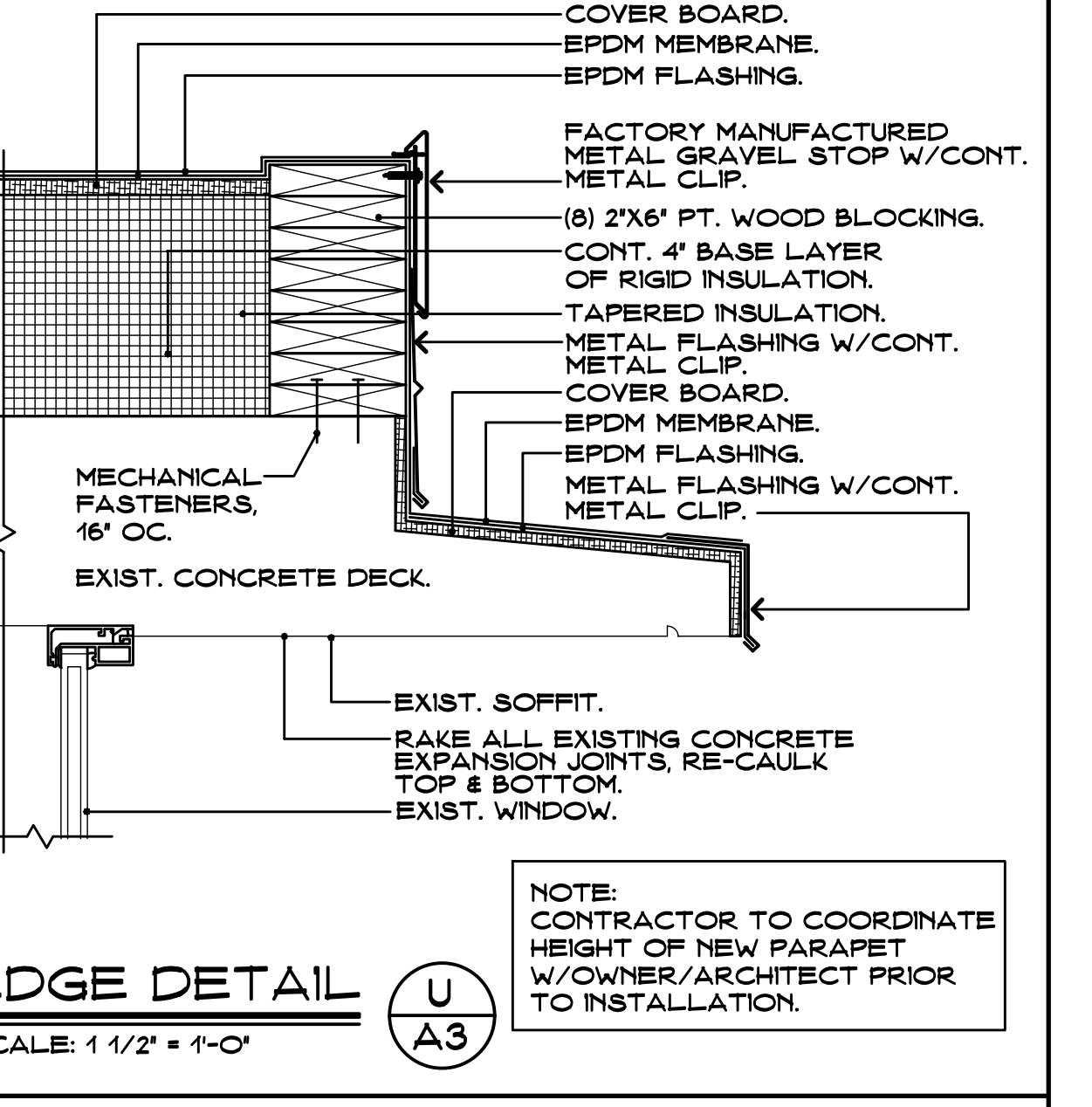
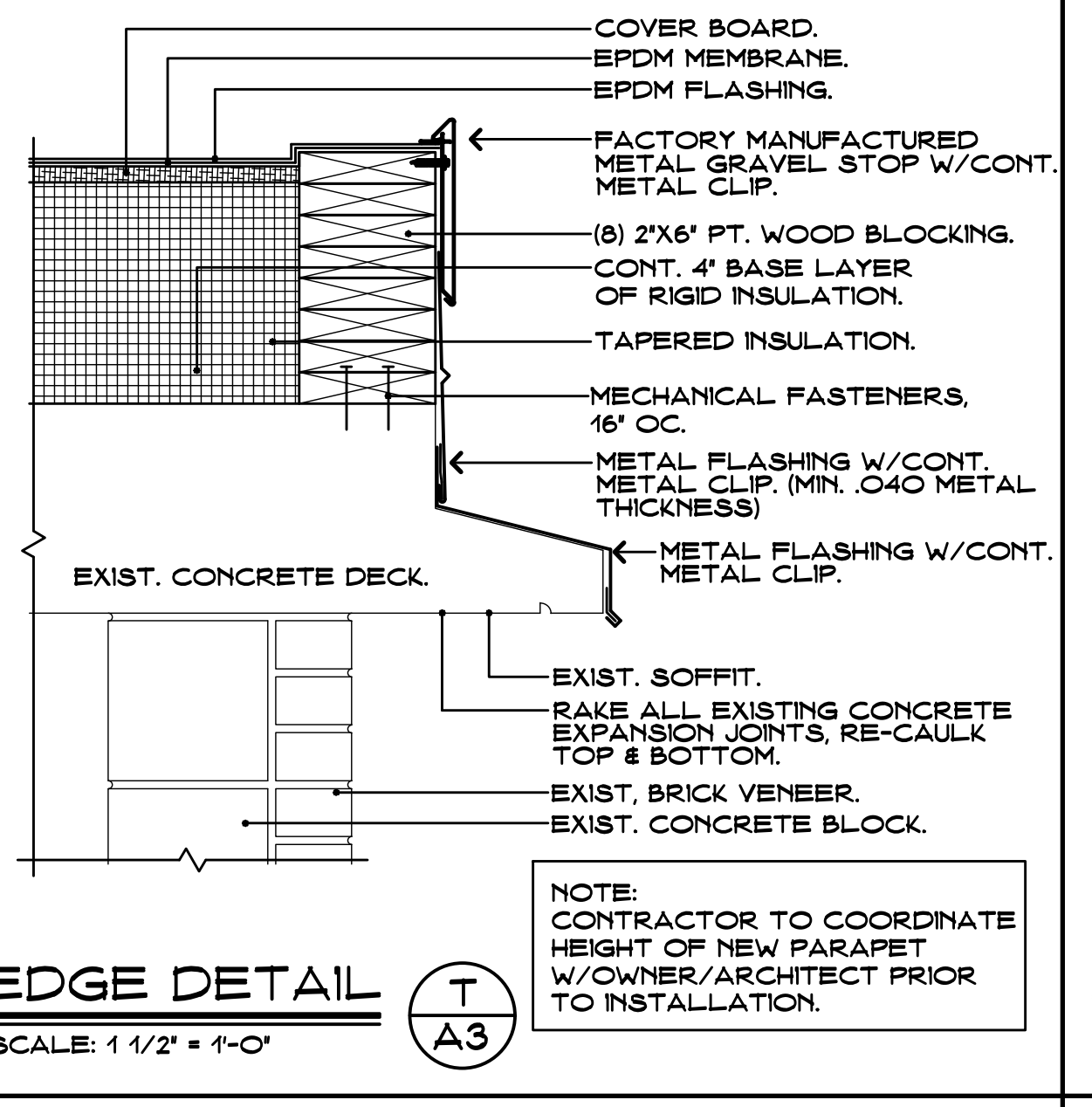
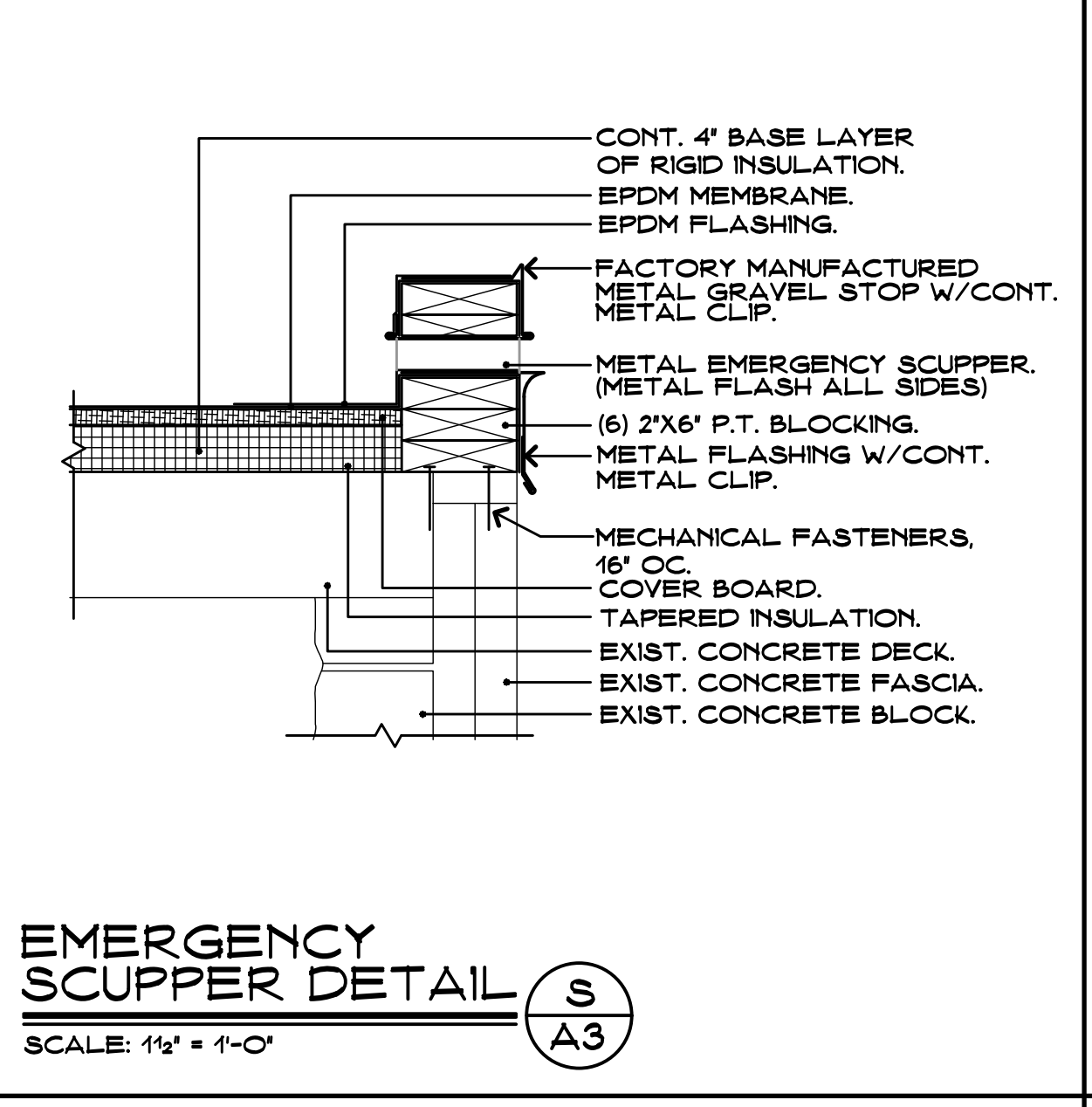
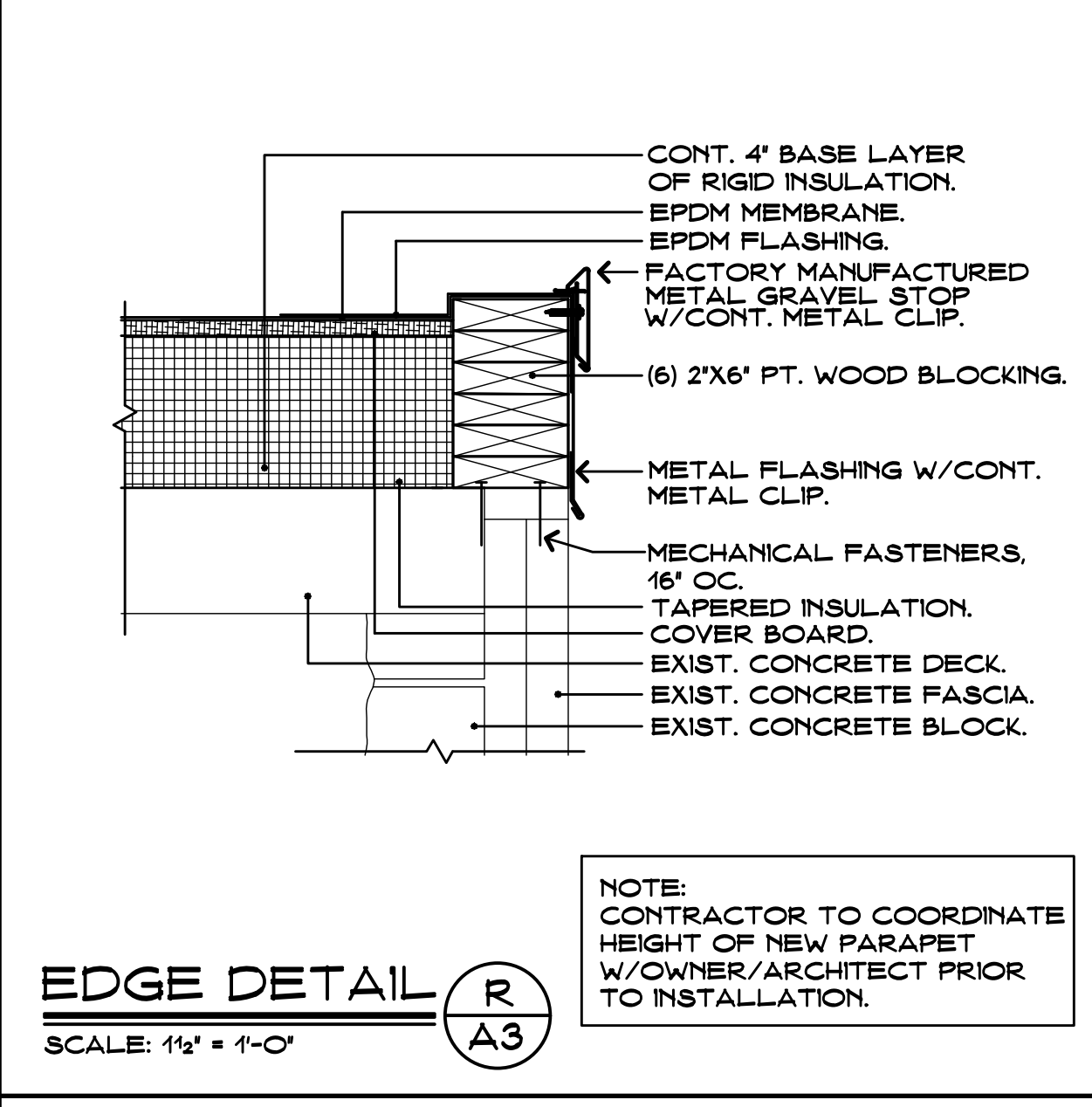
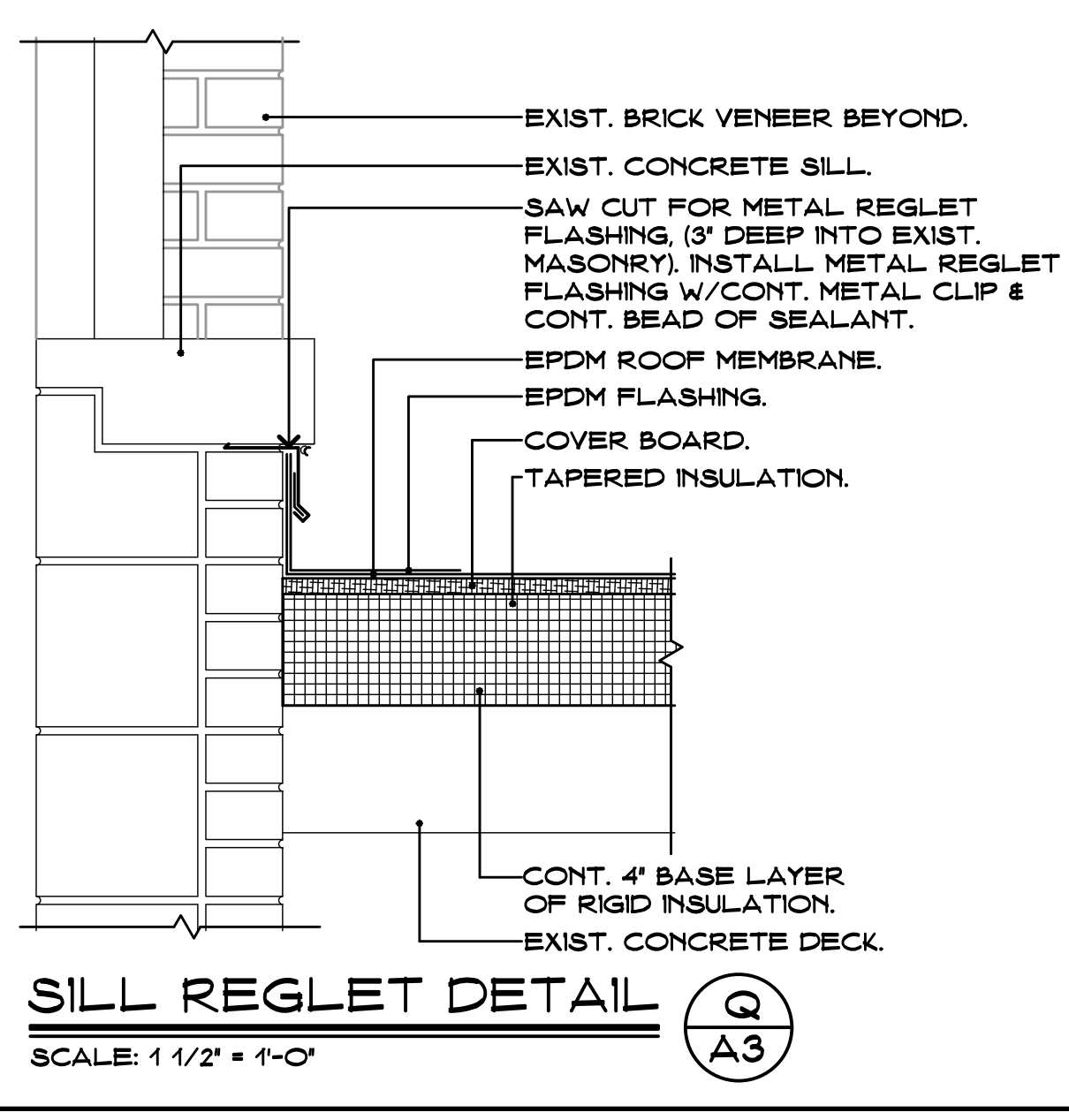
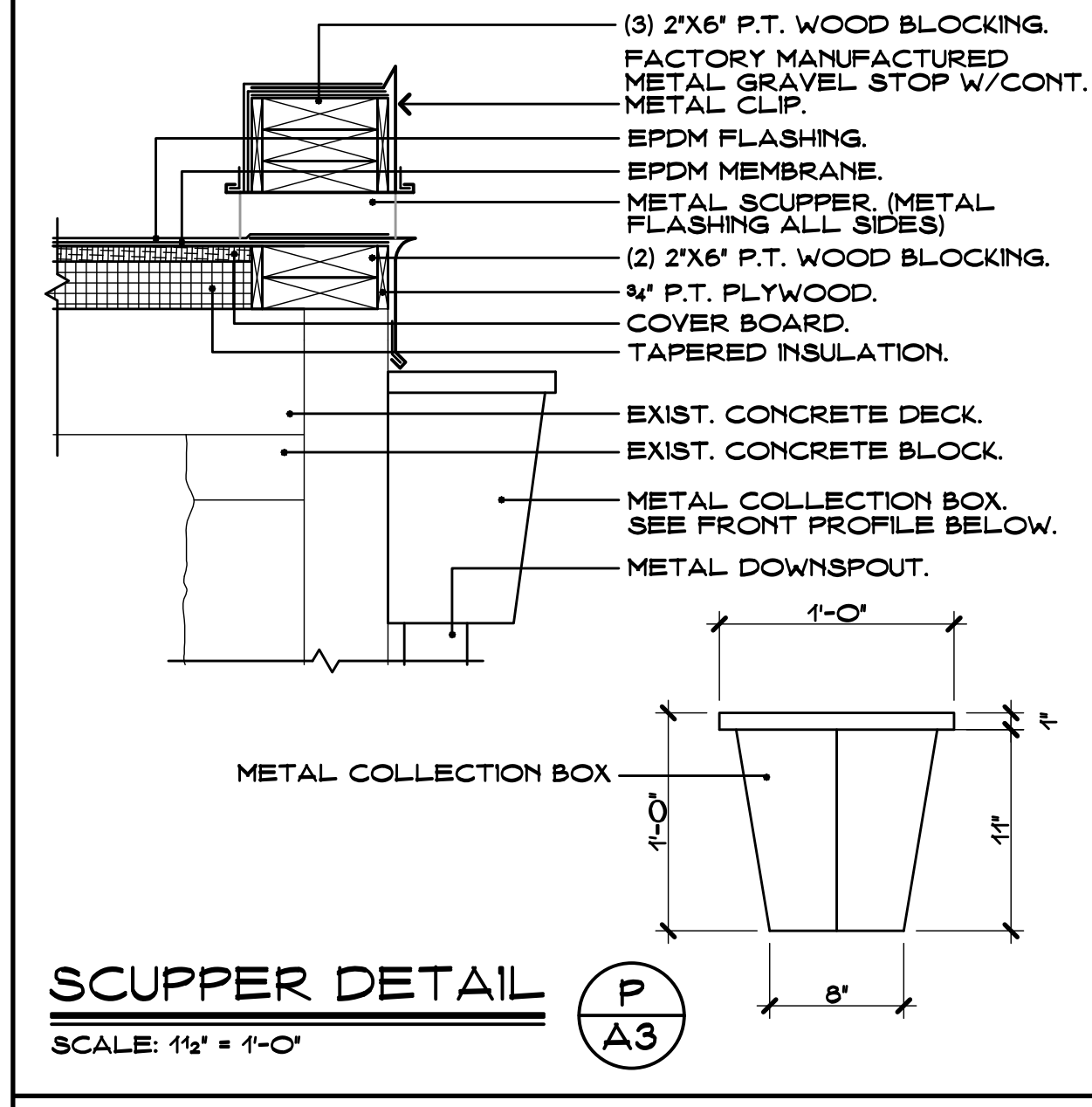
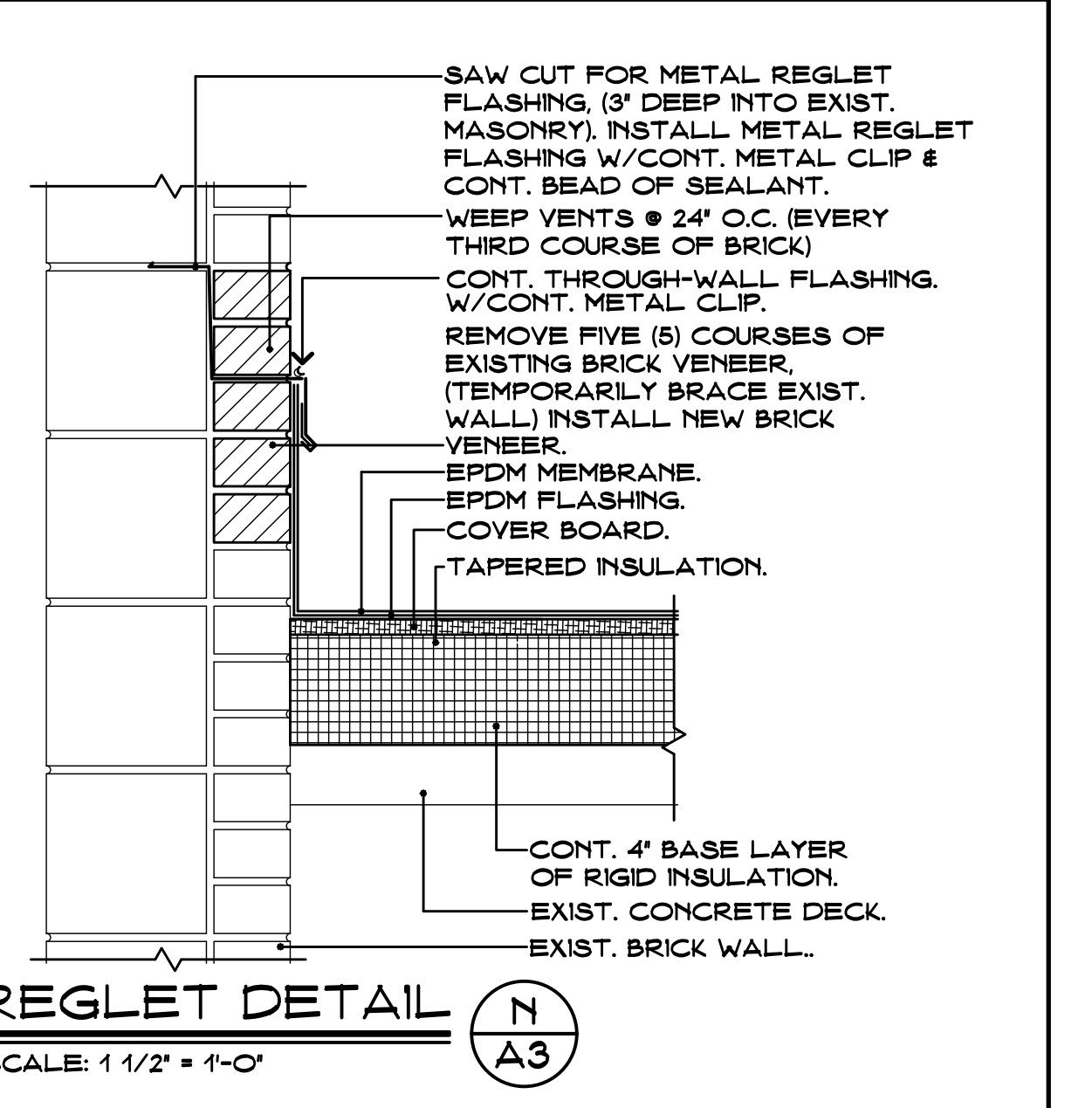
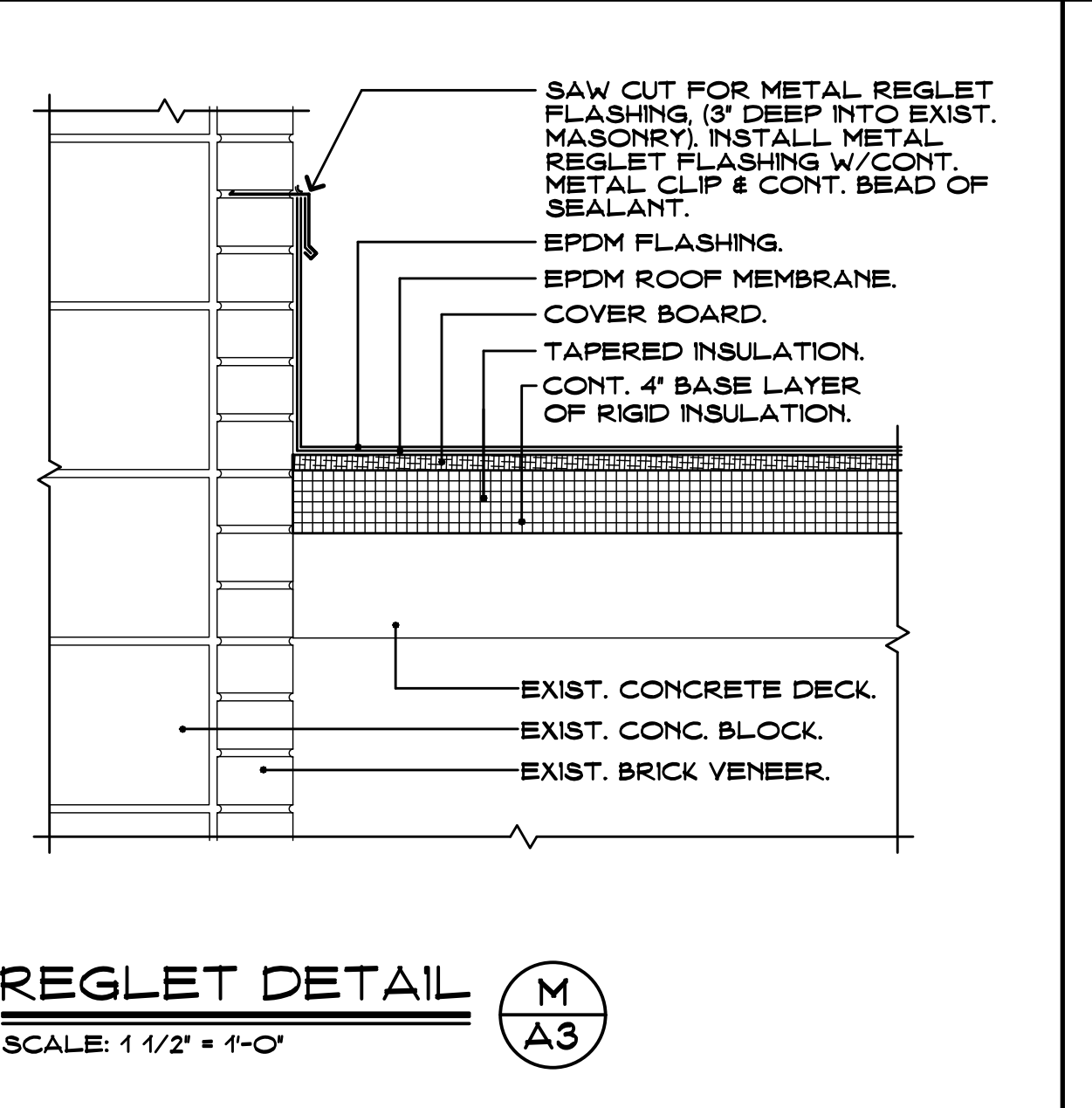
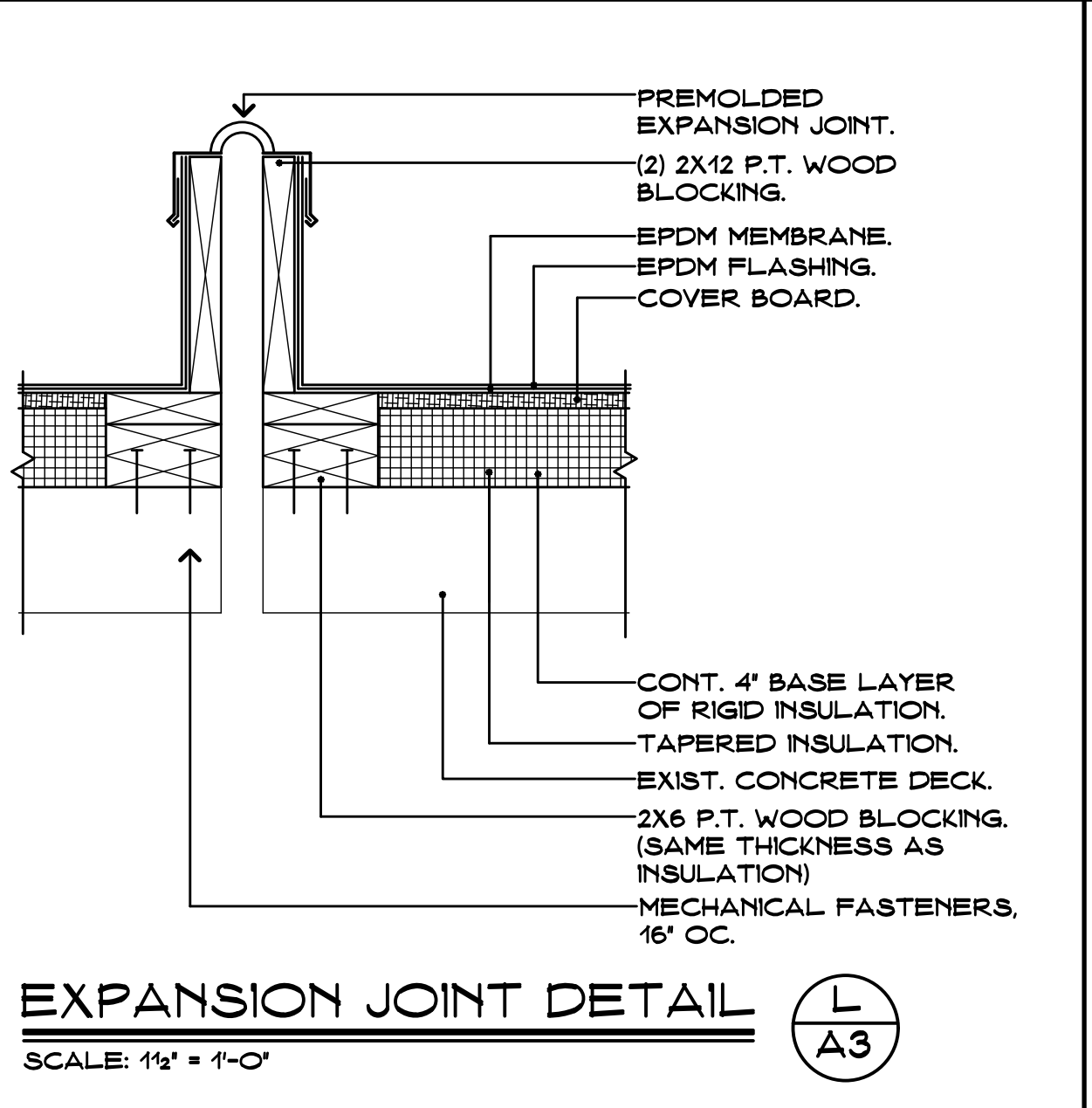
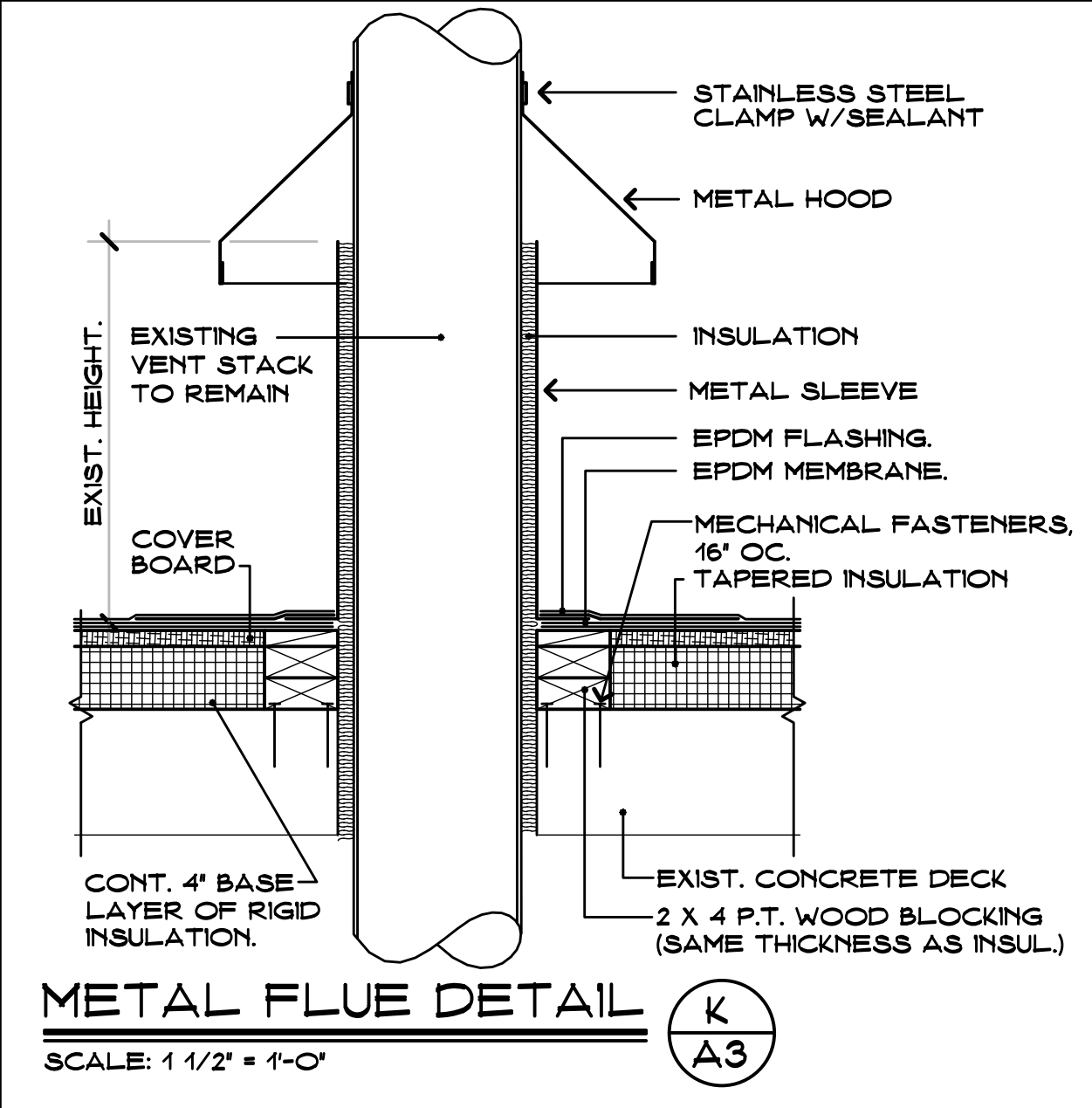
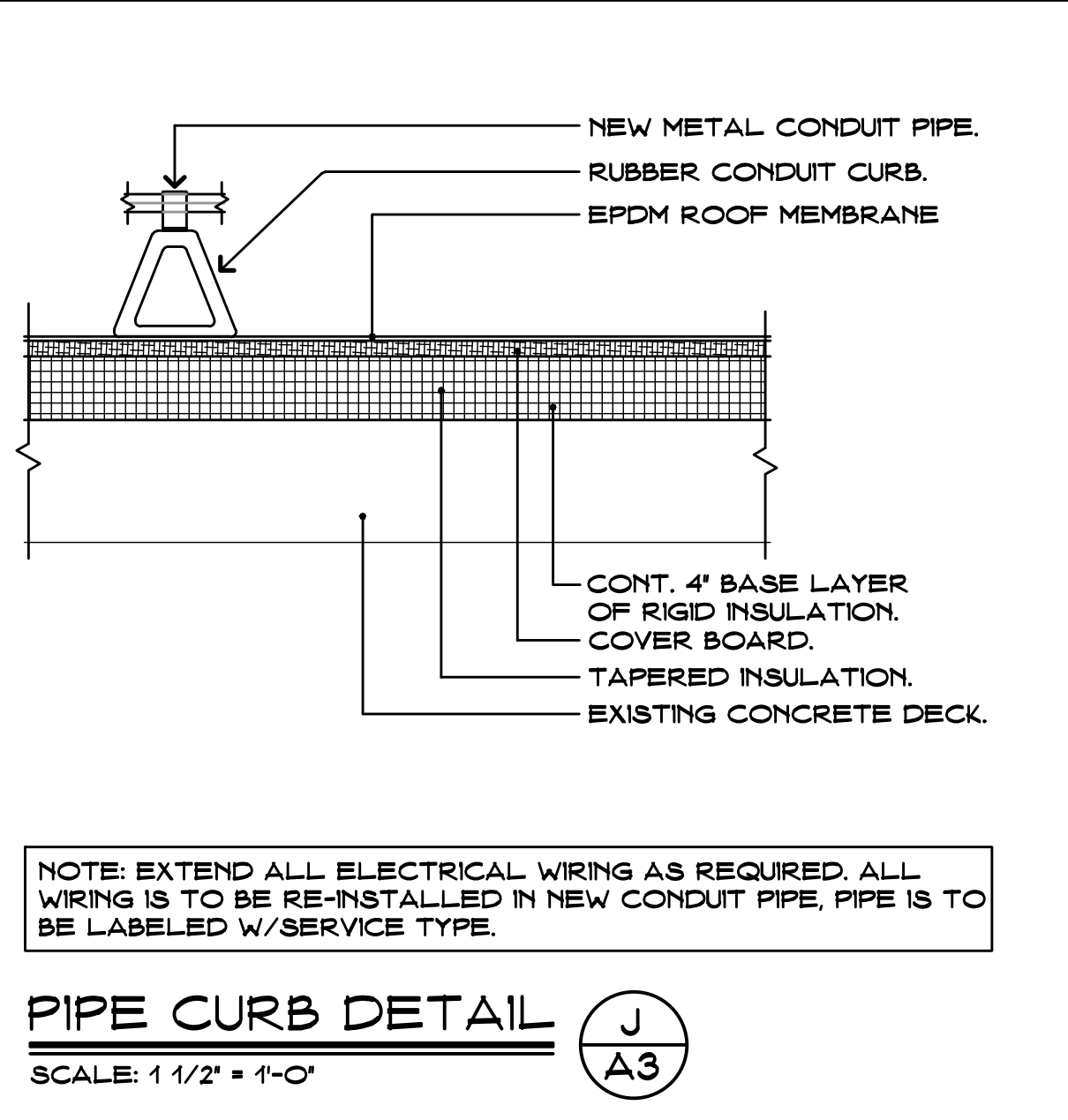
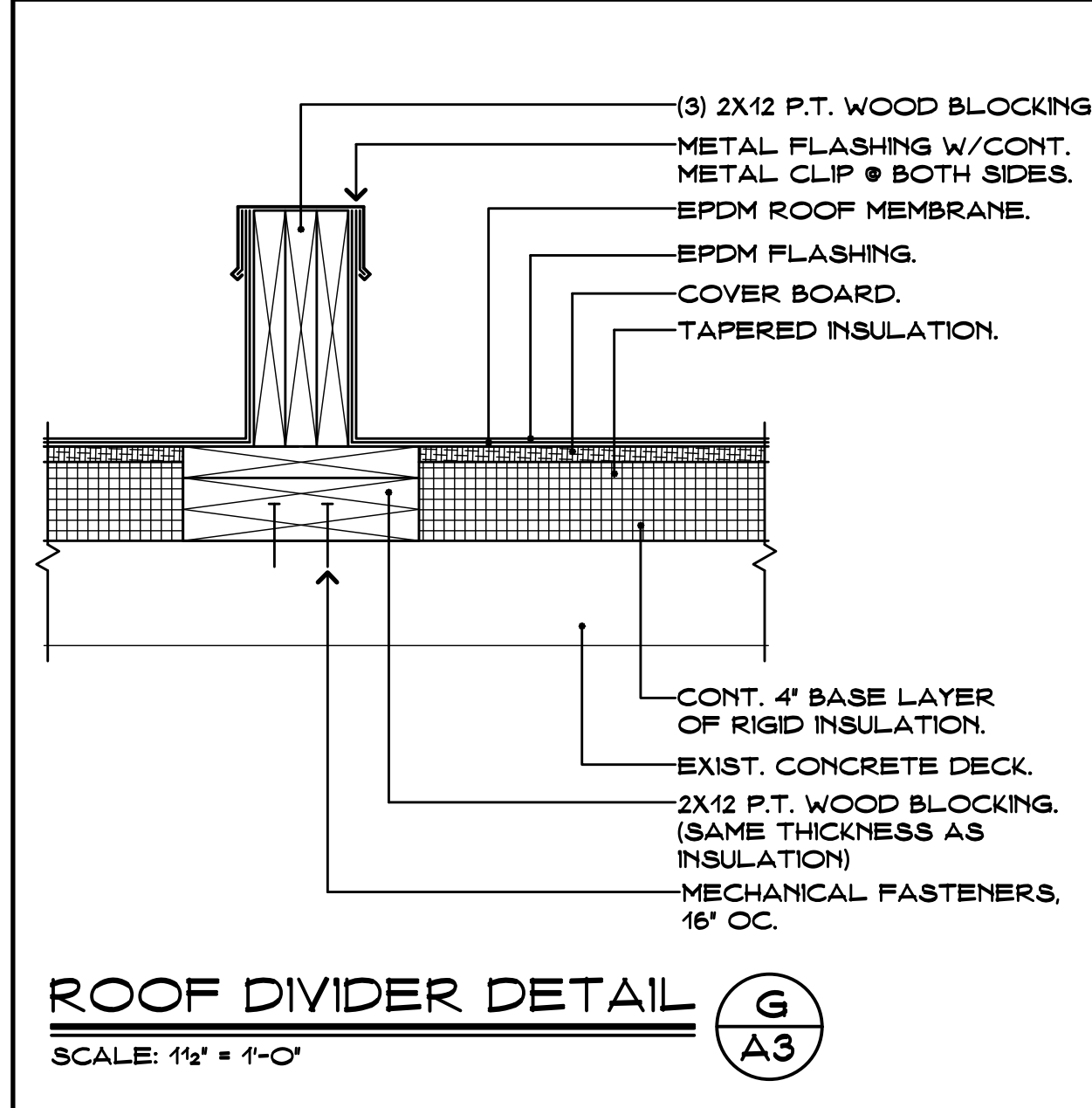
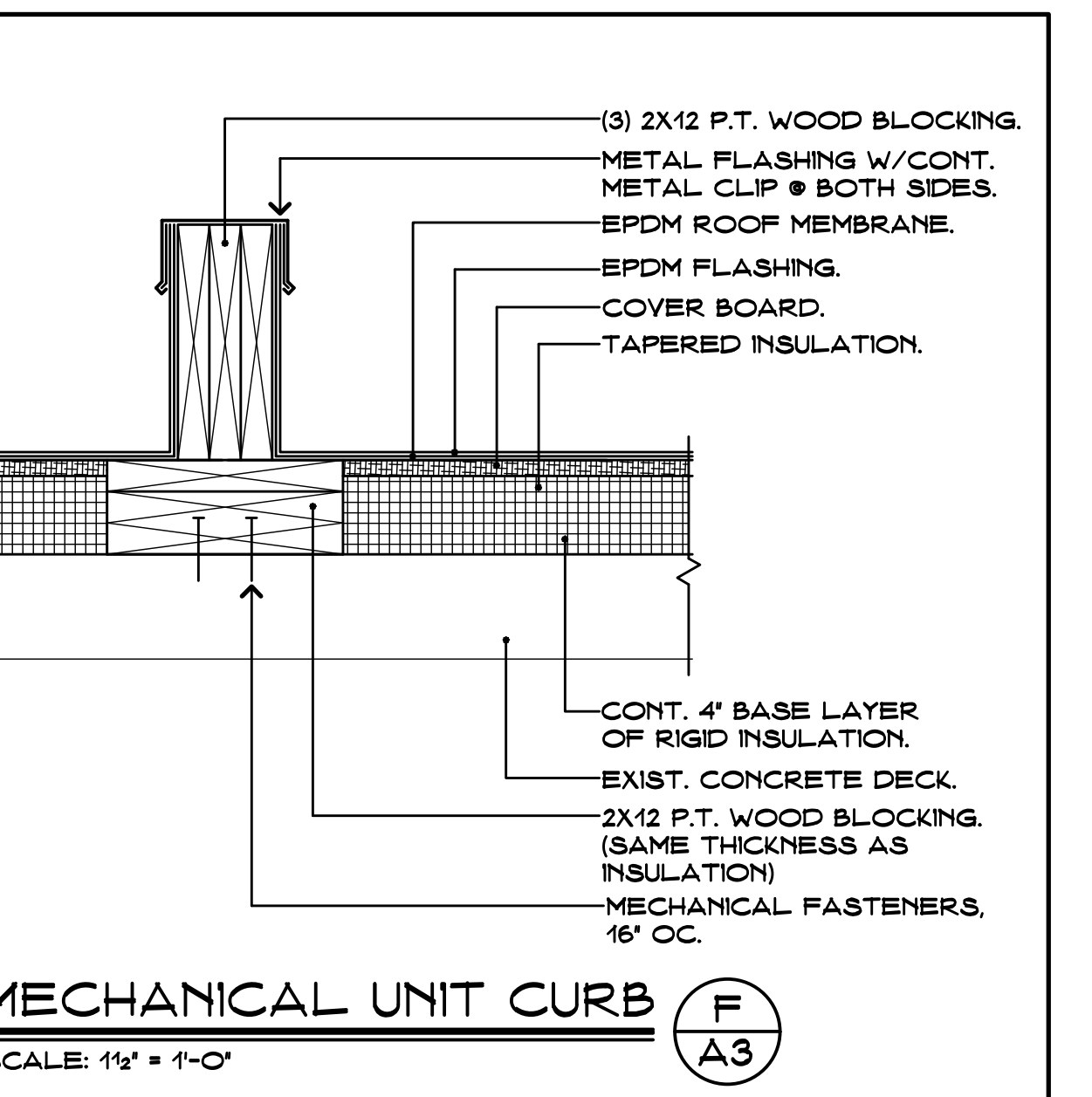
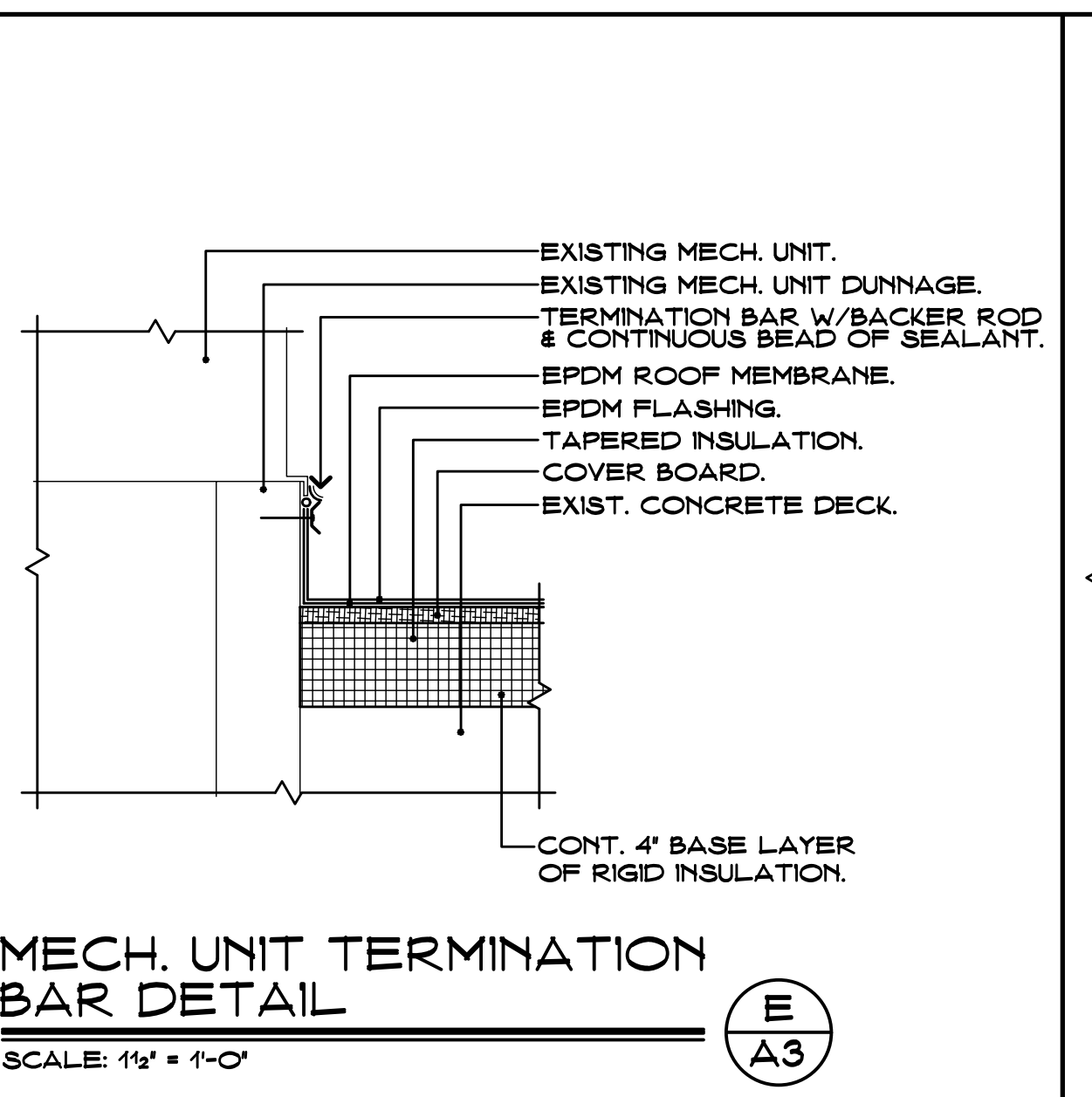
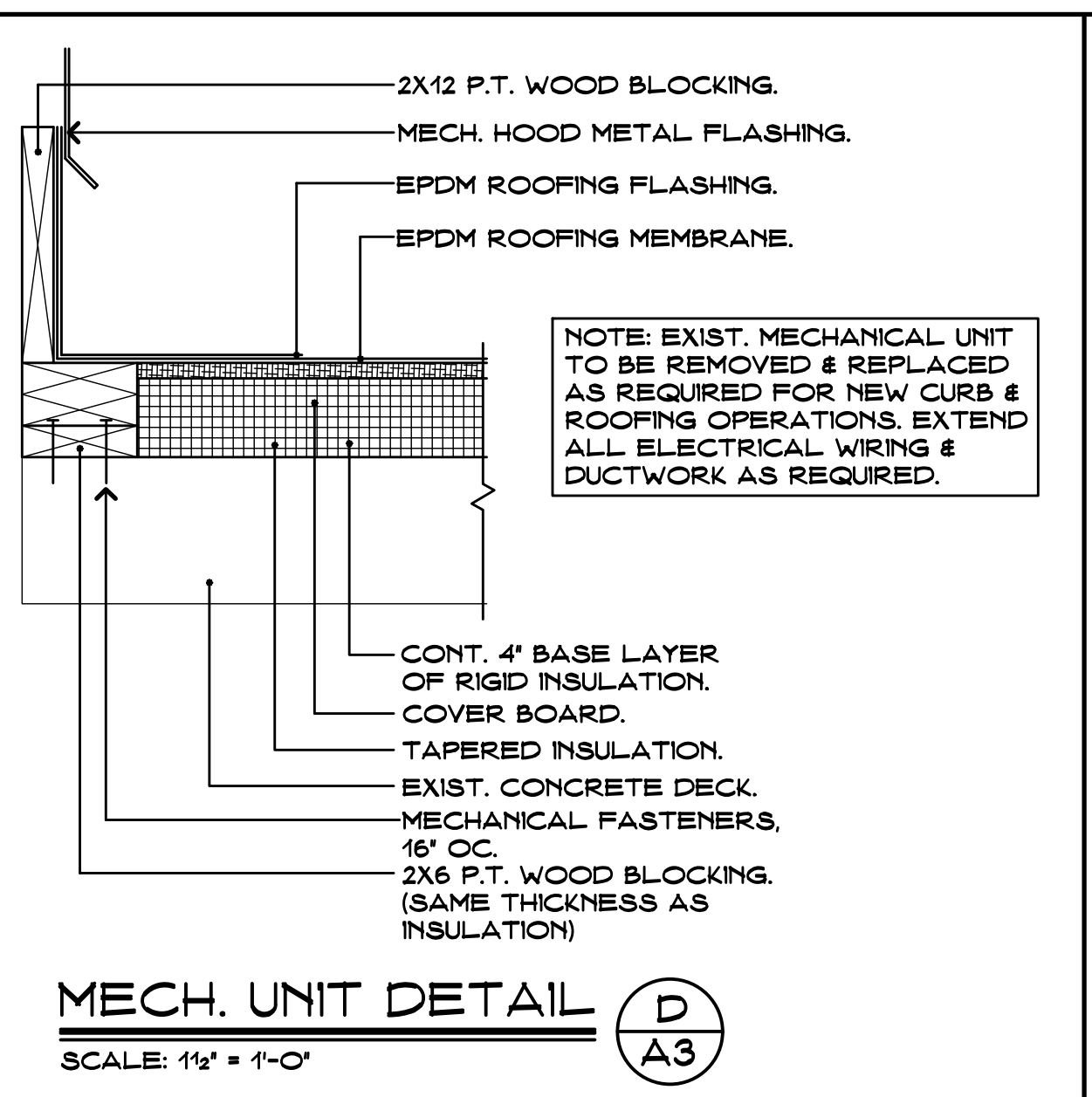
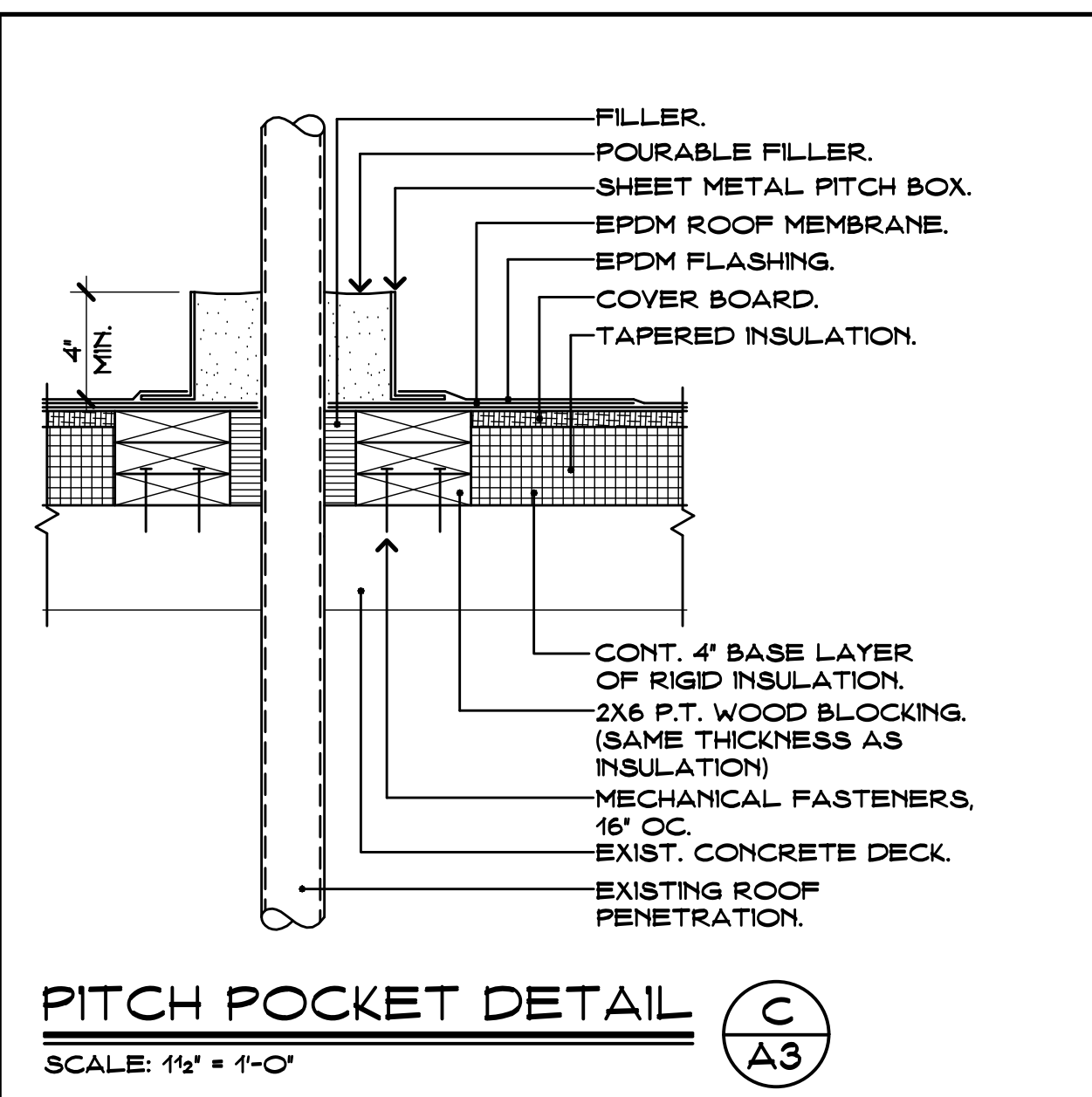
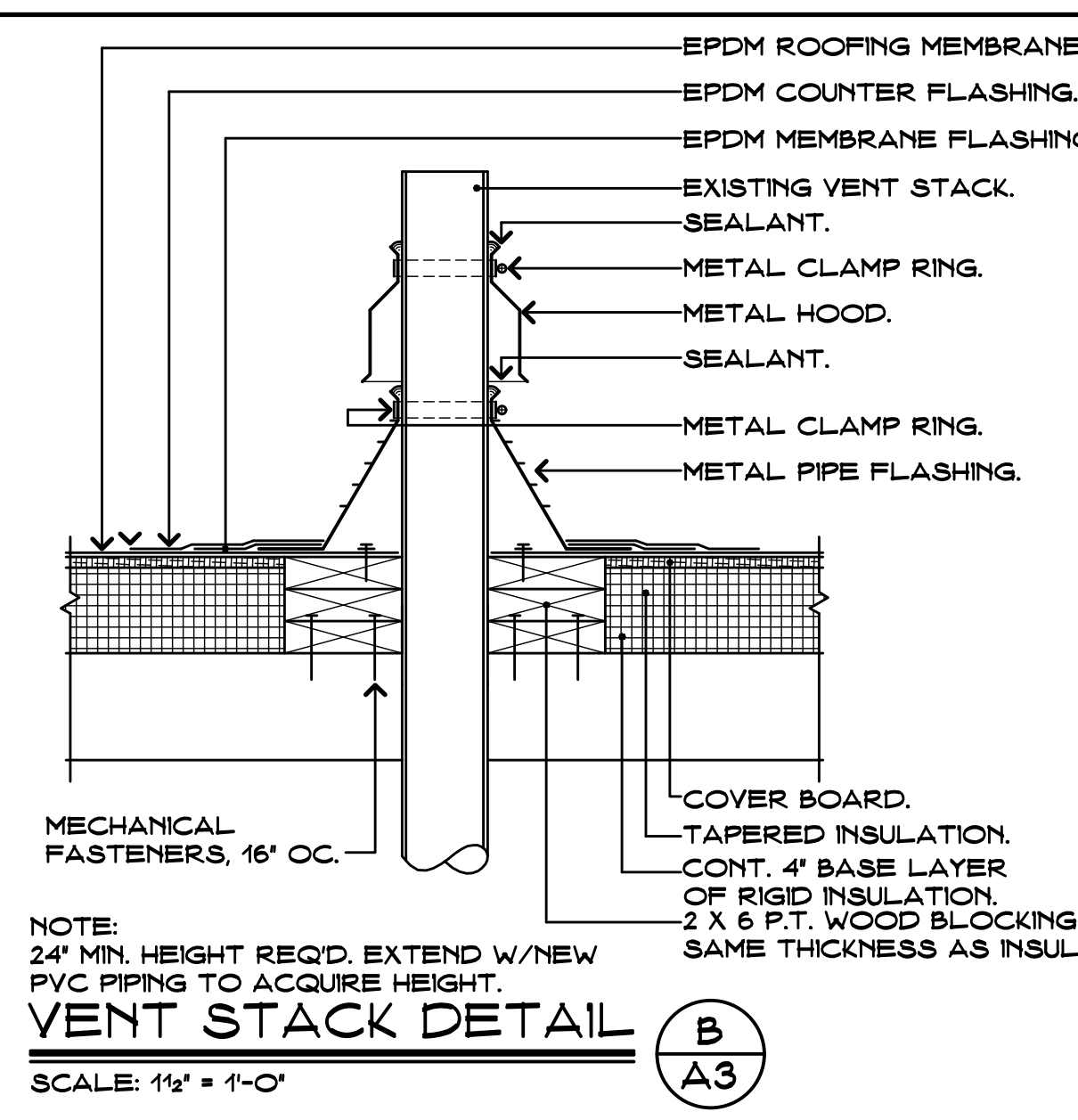
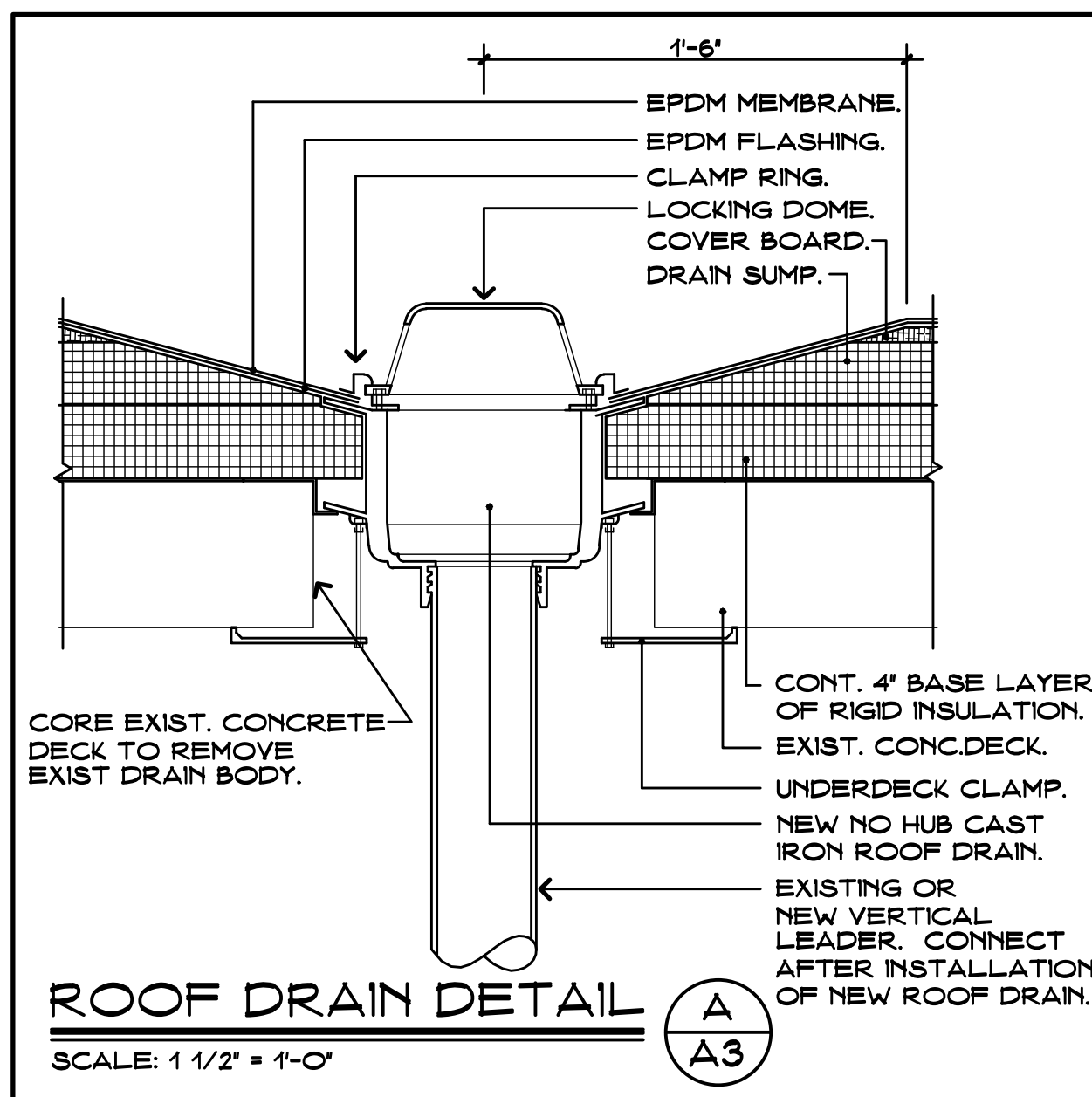
FACTORY MUTUAL ENGINEERING & RESEARCH CORPORATION (FM): ROOF ASSEMBLY CLASSIFICATION OF NON-COMBUSTIBLE CONSTRUCTION, WIND UPLIFT REQUIREMENT OF 1-60 FOR FIELD, 1-90 FOR PERIMETER AND 1-120 FOR CORNERS, IN ACCORDANCE WITH FM PROPERTY LOSS PREVENTION DATA SHEETS 1-23.

ROOFS: 'A', 'B', 'C', 'D', 'E', 'F', 'G'

OUTSIDE AIR	0.17
EPDM	0.33
COVER BOARD	2.20
4" POLYISO INSUL.	26.4
METAL DECK	1.23
INSIDE AIR	0.61
R TOTAL:	30.94

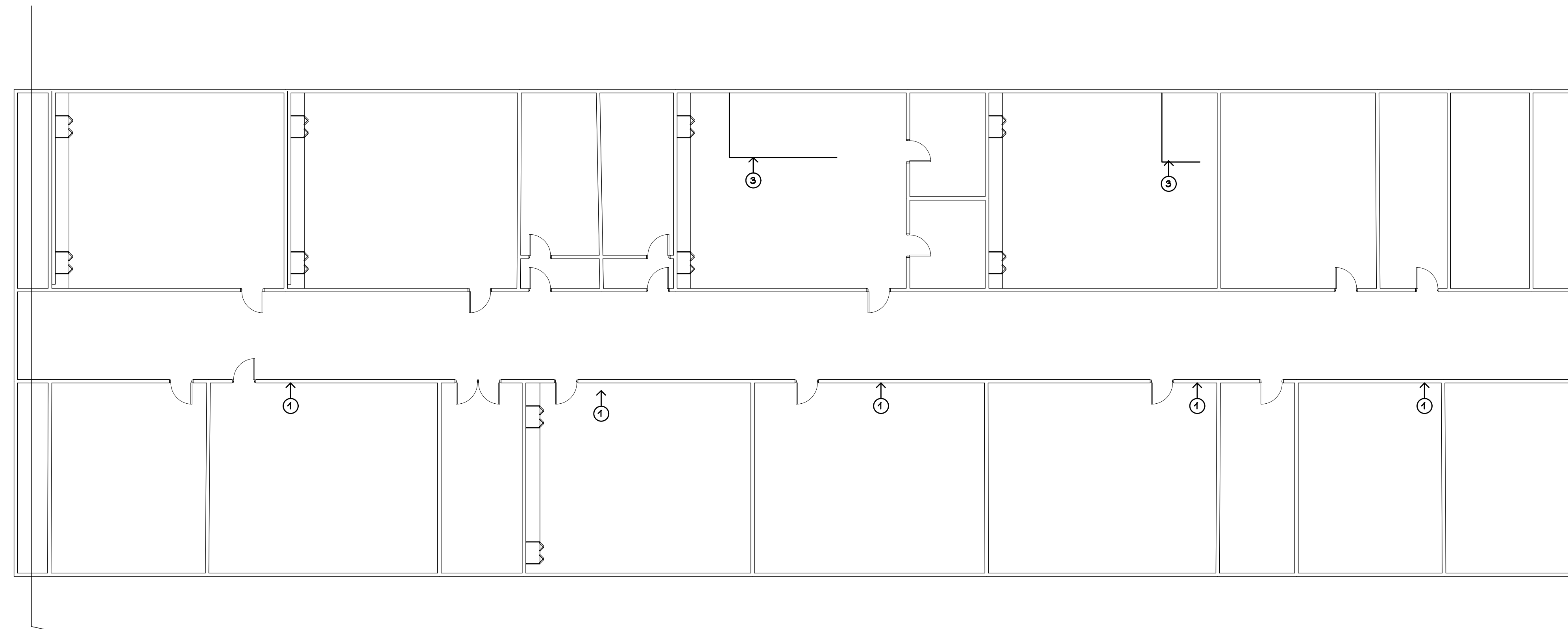


PLAN NORTH
ROOF PLAN PART "2"
SCALE: 1/16"=1'-0"
1
A2

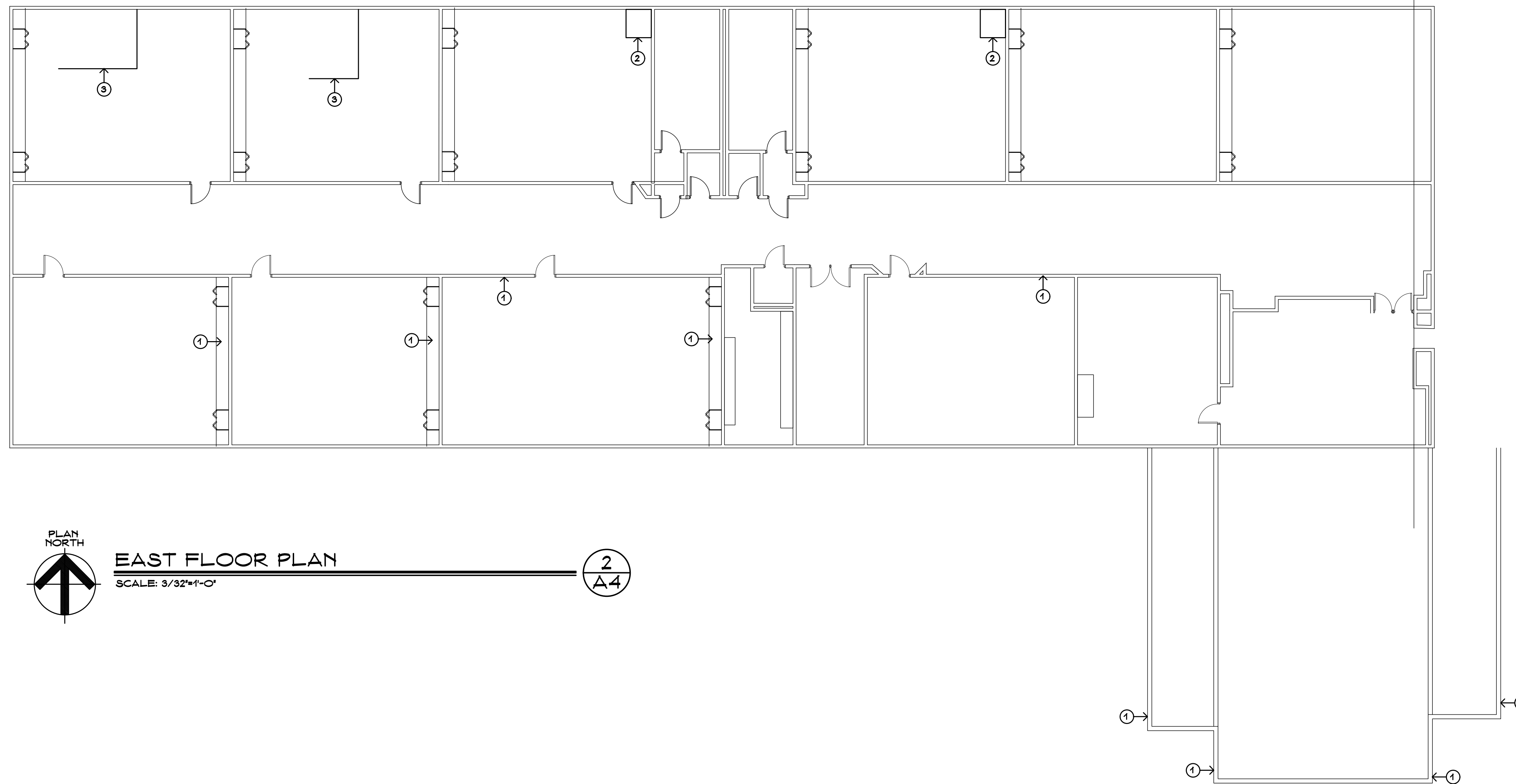


CONSTRUCTION NOTES →

1. REMOVE WOOD WALL PANELING IN INDICATED AREAS FOR ACCESS TO EXIST. LEADERS FOR NEW ROOF DRAINS. REFINISH DISTURBED WALL PANELS TO MATCH EXISTING.
2. REMOVE ABANDONED FUME HOOD EXHAUST DUCT THROUGH ROOF. INFILL ROOF CAVITY W/ NEW CONCRETE DECK.
3. REMOVE EXIST 2" STORM DRAIN PIPING INSULATION DOWN TO RISERS AT EXIST RADIATORS. REPLACE W/ NEW 3" STORM DRAINS & NEW INSULATION.



PLAN NORTH
WEST FLOOR PLAN
 SCALE: 3/32"=1'-0"
 1
 Δ4



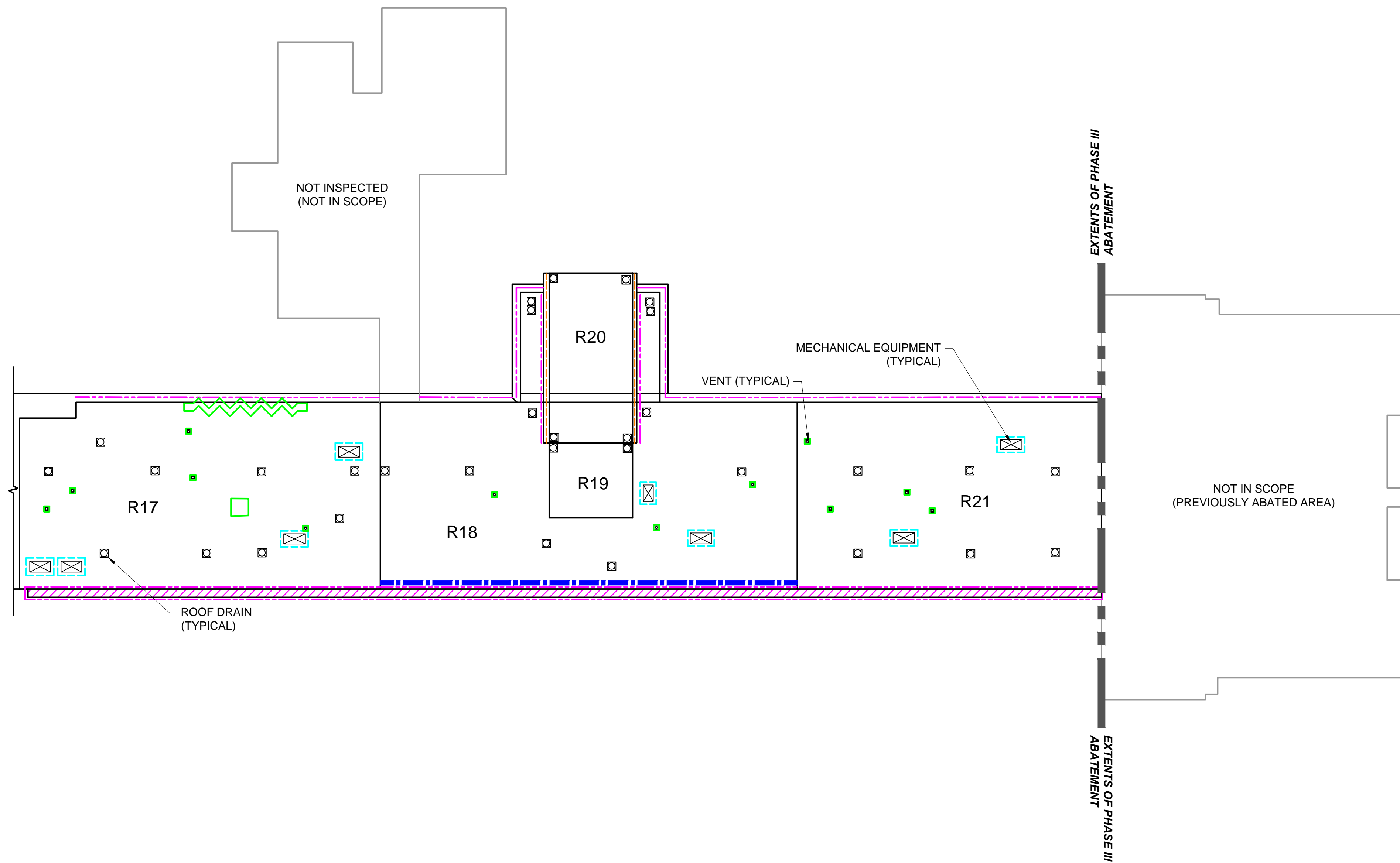
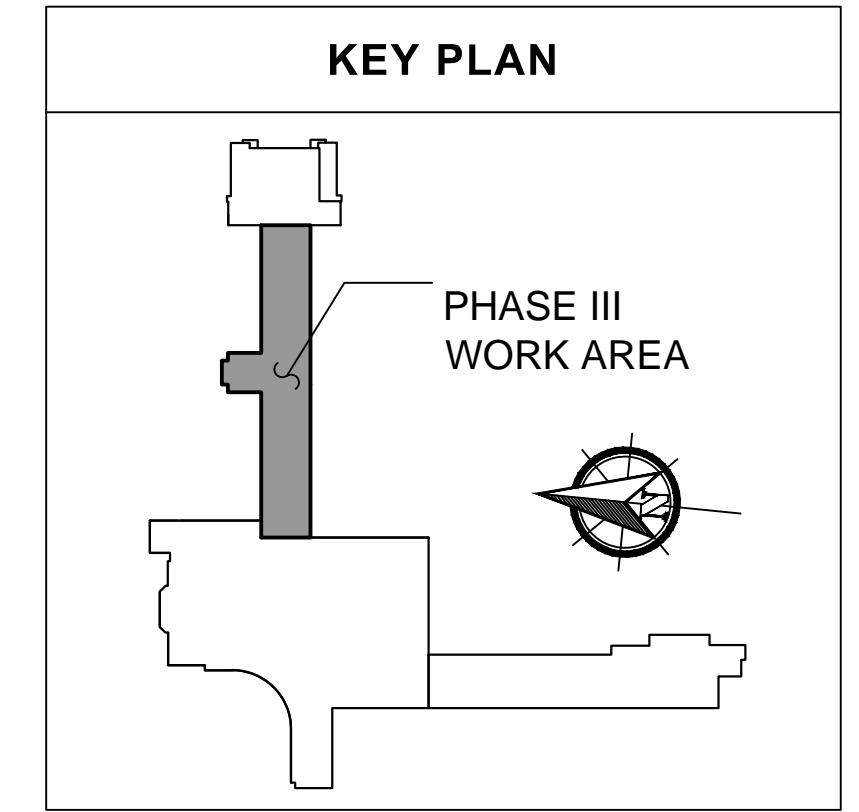
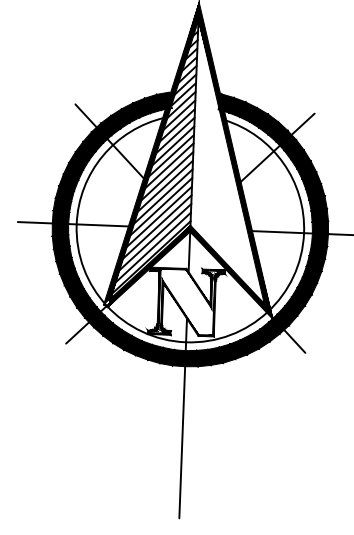
PLAN NORTH
EAST FLOOR PLAN
 SCALE: 3/32"=1'-0"
 2
 Δ4



Revision	Description	Date	Revised By

GENERAL NOTES:

- - - REMOVE CAULK FROM CONCRETE DECK SEAMS. DISPOSE OF AS REGULATED ASBESTOS. REMOVE DISLODGED CAULK AND SOIL CONTAMINATED FROM GROUND BELOW. DISPOSE OF AS REGULATED ASBESTOS.
- - - REMOVE CAULK AND FLASHING FROM REGLETS AND DISPOSE OF AS REGULATED ASBESTOS.
- - - REMOVE ASPHALT FLASHING CEMENT FROM VENT BASES AND REPAIR AREAS. DISPOSE OF AS REGULATED ASBESTOS.
- ▨ REMOVE 2-PLY BITUMINOUS ROOFING. CLEAN RESIDUAL ROOFING FROM CONCRETE DECK. DISPOSE OF AS CONNECTICUT REGULATED (PCB) WASTE.
- - - REMOVE PITCH POCKETS FROM HVAC PENETRATIONS. CLEAN RESIDUAL PITCH FROM ROOF AND HVAC COMPONENTS. DISPOSE OF AS REGULATED ASBESTOS WASTE.
- - - REMOVE FLASHING CEMENT AND DISPOSE OF AS CONNECTICUT REGULATED PCB WASTE.



PHASE III WORK AREA
NOT TO SCALE

<p>DATE: 01/22/2018 DRAWN BY: BB SCALE: N.T.S. REVIEWED BY: AR PROJECT NO.: 1507127</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 15%;">DATE</th> <th style="width: 80%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION				<p>PROJECT TITLE: KING PHILLIP MIDDLE SCHOOL ROOF REPLACEMENT - PHASE III</p> <p>PROJECT CLIENT AND ADDRESS: TOWN OF WEST HARTFORD KING PHILLIP MIDDLE SCHOOL 100 KING PHILLIP DRIVE WEST HARTFORD, CONNECTICUT</p> <p>CONSULTANT'S SEAL</p> <div style="border: 1px solid black; padding: 2px; text-align: center;"> <p>EAGLE Environmental, Inc. 8 SOUTH MAIN STREET, SUITE 3 TERRYVILLE, CONNECTICUT 06786 860-589-8227</p> </div> <p>SHEET TITLE: ASBESTOS AND PCB ABATEMENT PLAN</p> <p>SHEET NO. RP-1</p> <p>SHEET 1 OF 1</p>
NO.	DATE	DESCRIPTION						