

DOCUMENTS FOR  
A ROOF REPLACEMENT PROJECT AT:

**GREGG COUNTY - COURTHOUSE  
ROOFING PROJECT  
PHASE 1  
BID#2017-703**

*101 East Methvin, Longview, TX 75601*

**Crenshaw**  
Consulting Group, LLC  
*roof consulting & design*

DFW OFFICE  
616 SOUTH COPPELL RD  
COPPELL, TX 75019  
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AMARILLO OFFICE  
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AMARILLO, TX 79106  
PHONE: 806.356.6059

**ISSUED  
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BIDDING**

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PROJECT:  
GREGG COUNTY - COURTHOUSE - ROOFING PROJECT  
PHASE 1

BID#2017-703  
A ROOF REPLACEMENT AT  
GREGG COUNTY COURTHOUSE  
101 EAST METHVIN  
Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	G-001 COVER SHEET
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE:	
COVER SHEET	
LOCATION MAP	
SHEET INDEX	

SHEET NO.	<b>G-001</b>
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SHEET INDEX

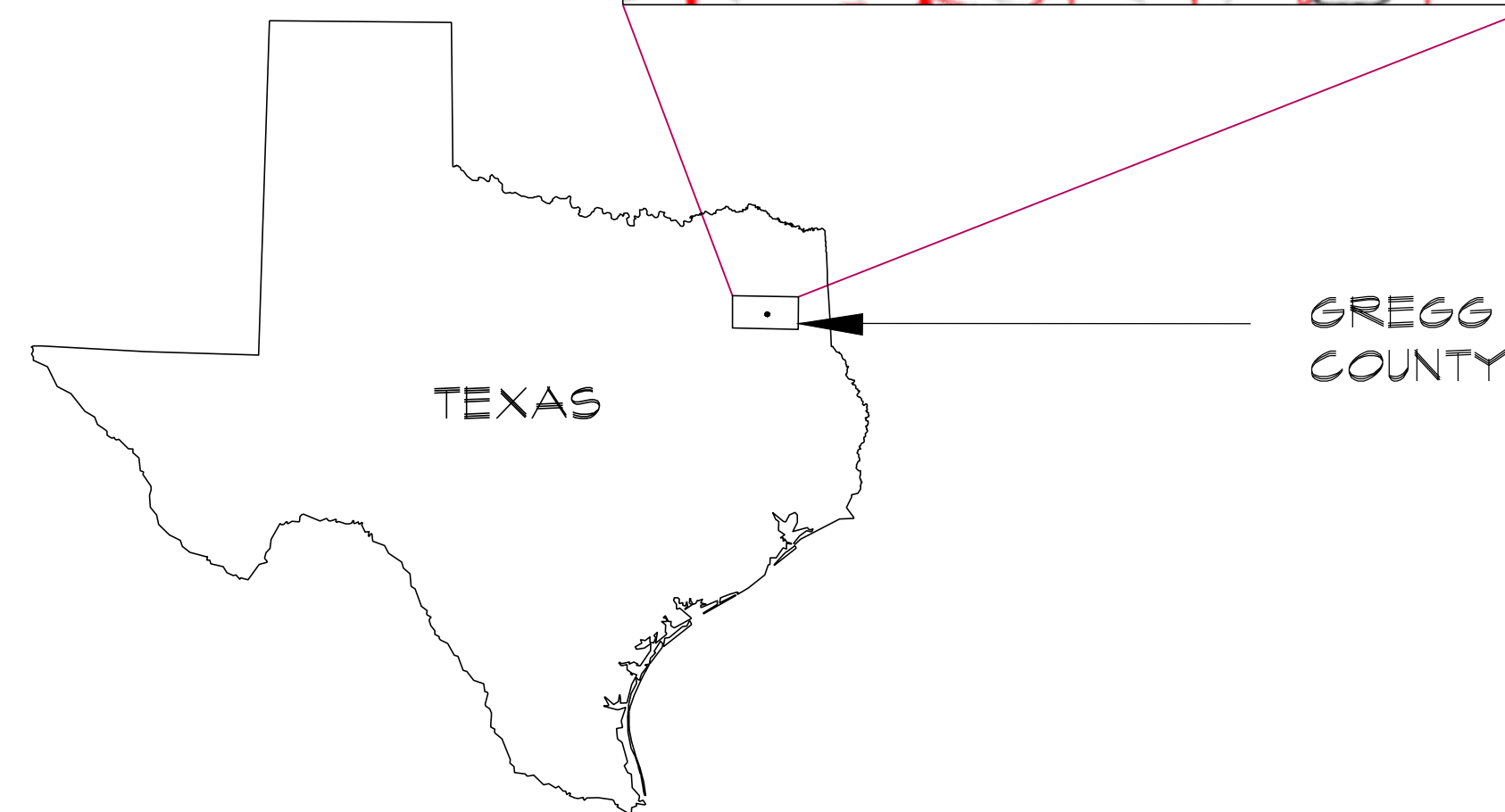
ARCHITECTURAL SHEETS

- G-001 COVER SHEET, LOCATION MAP, SHEET INDEX
- A-001 GENERAL NOTES, ROOF SYSTEMS
- A5-100 AERIAL SITE PLAN
- AD-100 ROOF PLAN (DEMOLITION AND PREPARATION)
- AD-101 PARTIAL ROOF PLAN (DEMOLITION AND PREPARATION)
- AD-102 PARTIAL ROOF PLAN (DEMOLITION AND PREPARATION)
- A-100 ROOF PLAN (NEW WORK)
- A-101 PARTIAL ROOF PLAN (NEW WORK)
- A-102 PARTIAL ROOF PLAN (NEW WORK)
- SP-100 LWC FOUR LAYOUT PLAN
- A-500 DETAILS
- A-501 DETAILS
- A-502 DETAILS
- A-503 DETAILS
- A-504 DETAILS
- A-505 DETAILS
- A-506 DETAILS
- A-507 DETAILS
- A-508 DETAILS
- A-509 DETAILS
- A-510 DETAILS
- P-100 ROOF DRAIN LAYOUT

CODE ANALYSIS:

- INTERNATIONAL BUILDING CODE (IBC), 2012
- INTERNATIONAL ELECTRICAL CODE (NEC), 2011
- INTERNATIONAL PLUMBING CODE (IPC), 2012
- INTERNATIONAL MECHANICAL CODE (IMC), 2012
- INTERNATIONAL FIRE CODE (IFC), 2012
- INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2015

LONGVIEW, TEXAS



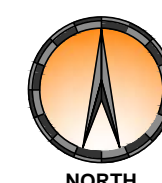
ROOF DESIGN BY:

**Crenshaw**  
Consulting Group, LLC  
*roof consulting & design*

DFW OFFICE  
616 SOUTH COPPELL RD  
COPPELL, TX 75019  
PHONE: 214.758.0785  
FAX: 214.792.9548

GREGG COUNTY, TEXAS VICINITY MAP

N.T.S.





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PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT

PHASE 1

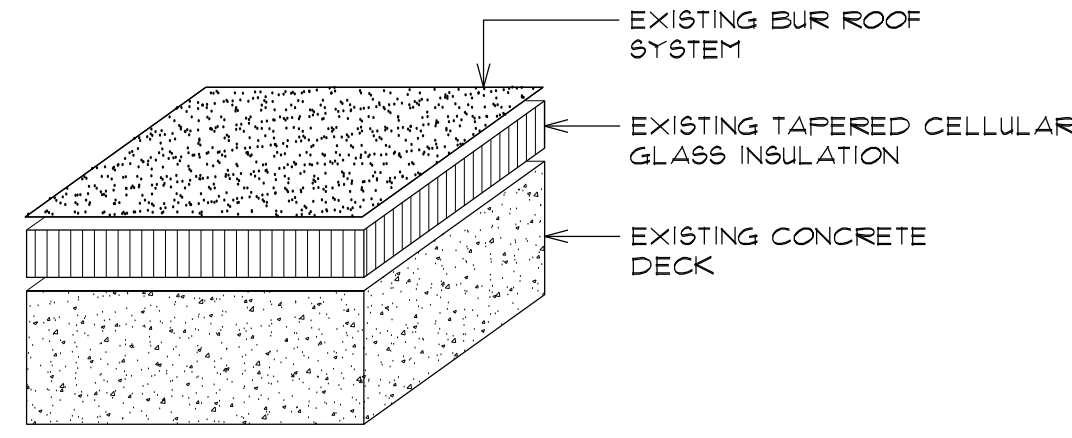
BID#2017-703

A ROOF REPLACEMENT AT

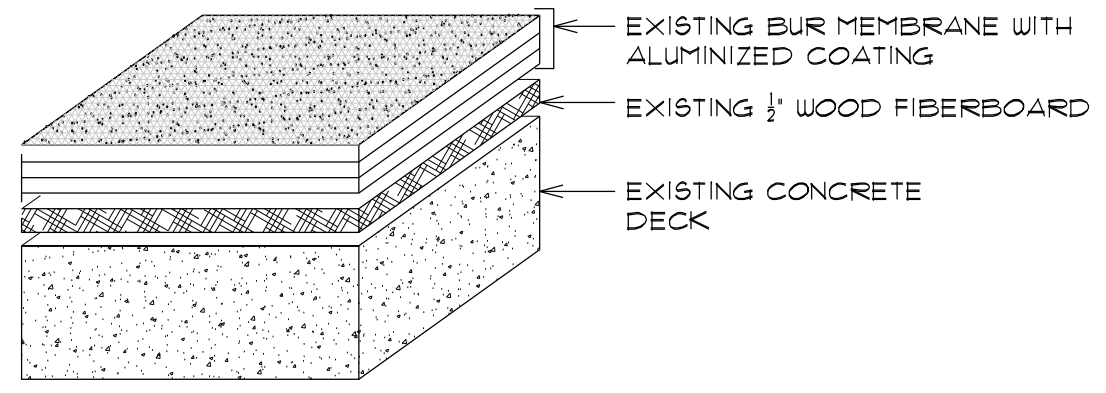
GREGG COUNTY COURTHOUSE

101 EAST METHVIN

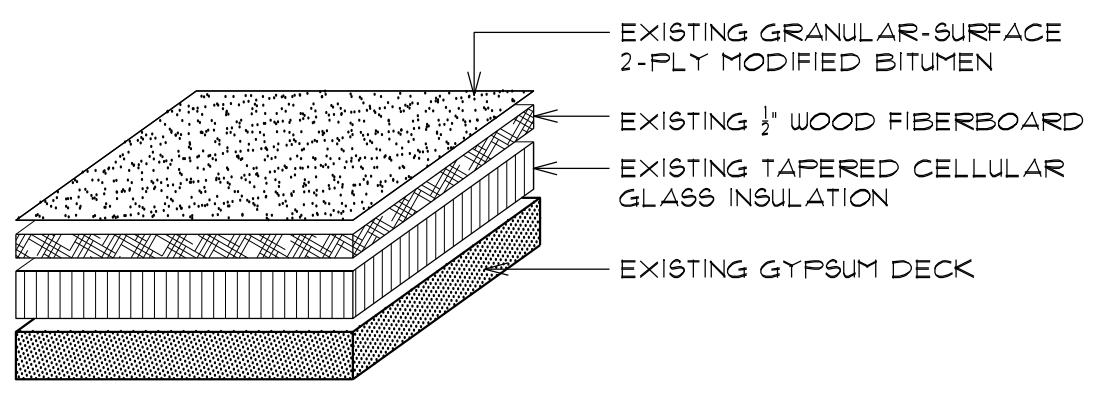
Longview, TX 75601



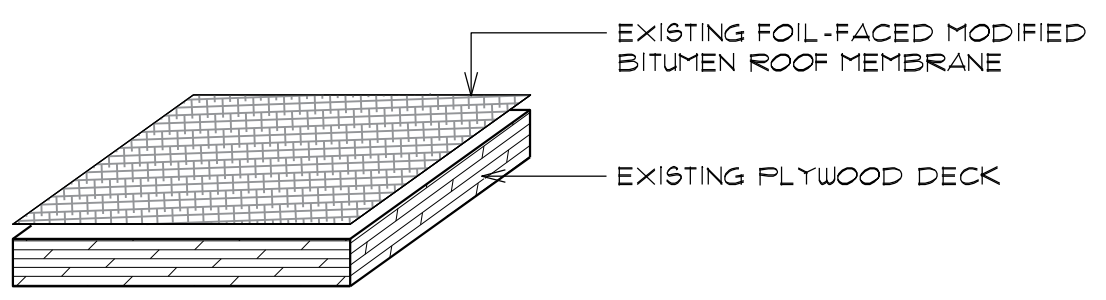
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**1** EXISTING ROOF SYSTEM  
A-00 SCALE: N.T.S.



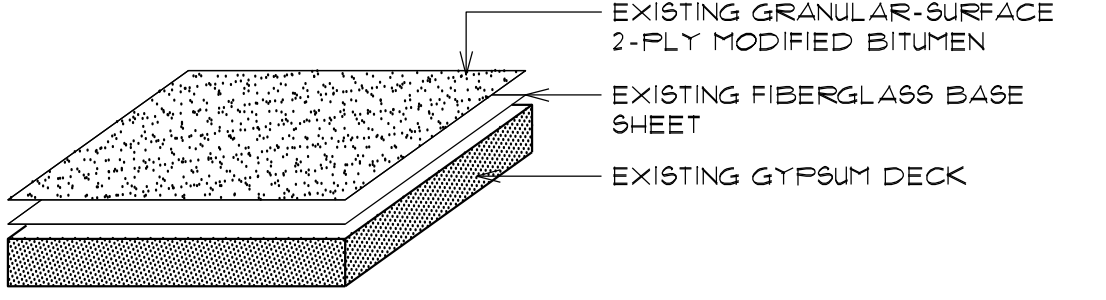
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A-00 SCALE: N.T.S.



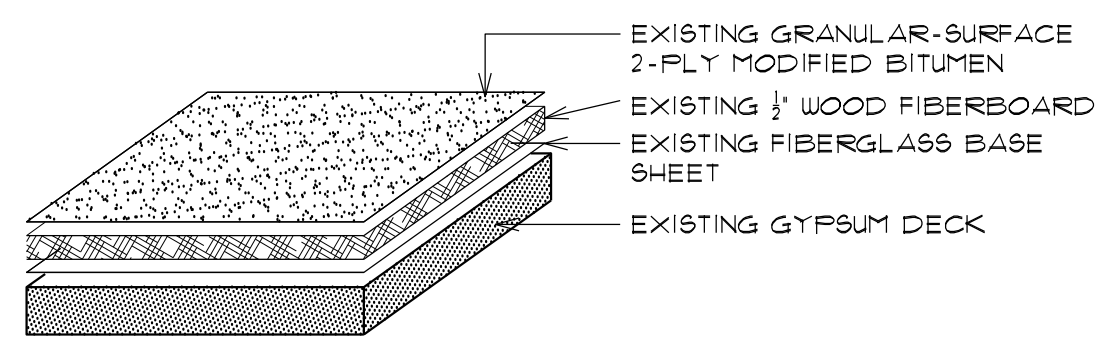
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**3** EXISTING ROOF SYSTEM  
A-00 SCALE: N.T.S.



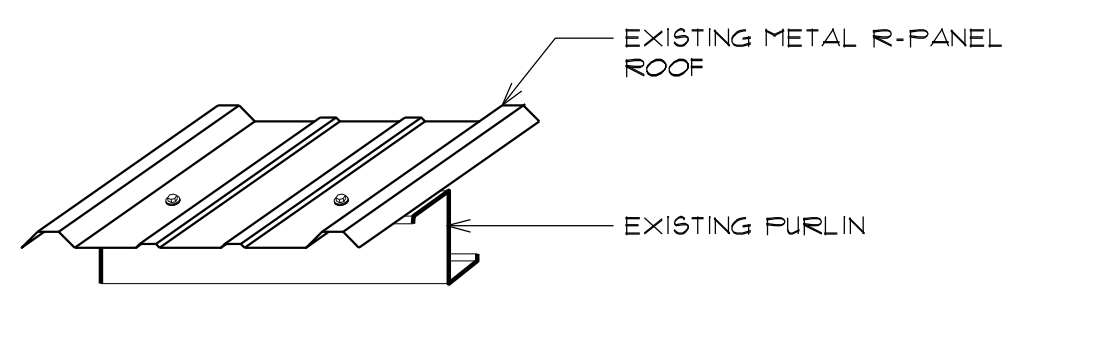
AREA: N TUNNEL-WAY  
**4** EXISTING ROOF SYSTEM  
A-00 SCALE: N.T.S.



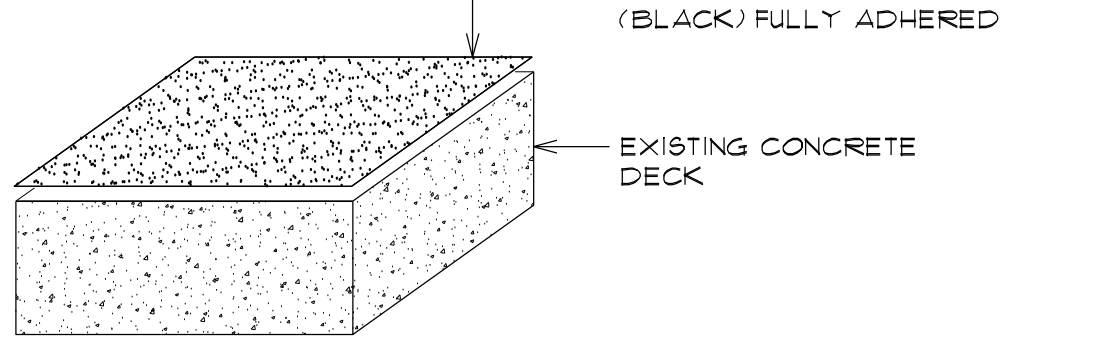
AREA: N1  
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A-00 SCALE: N.T.S.



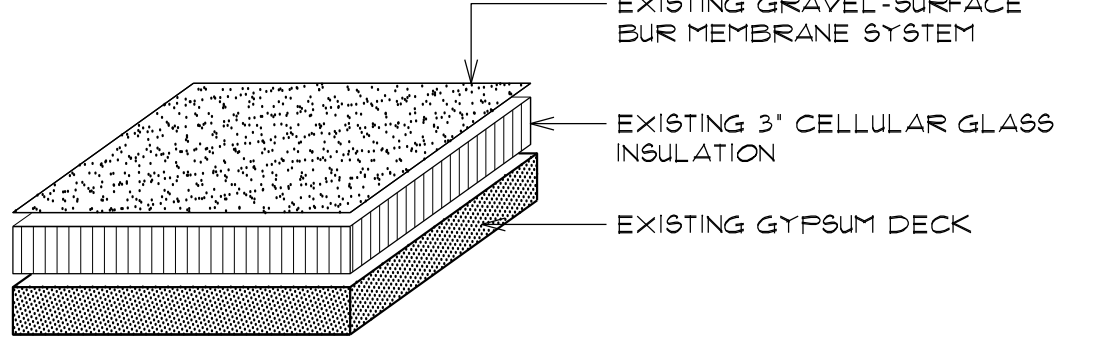
AREA: N2  
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A-00 SCALE: N.T.S.



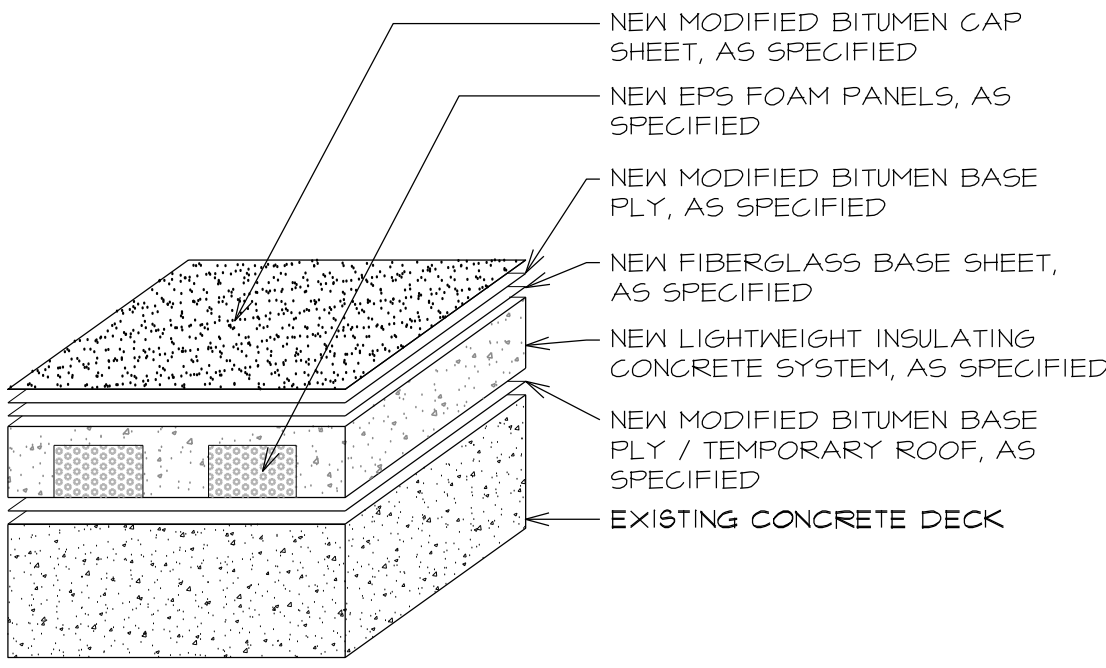
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A-00 SCALE: N.T.S.



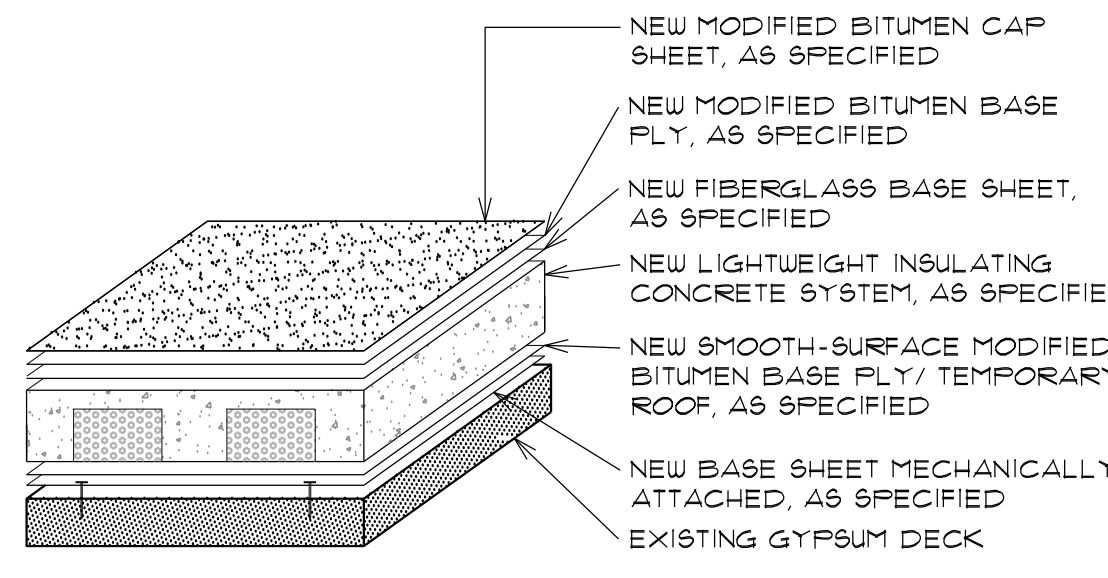
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A-00 SCALE: N.T.S.



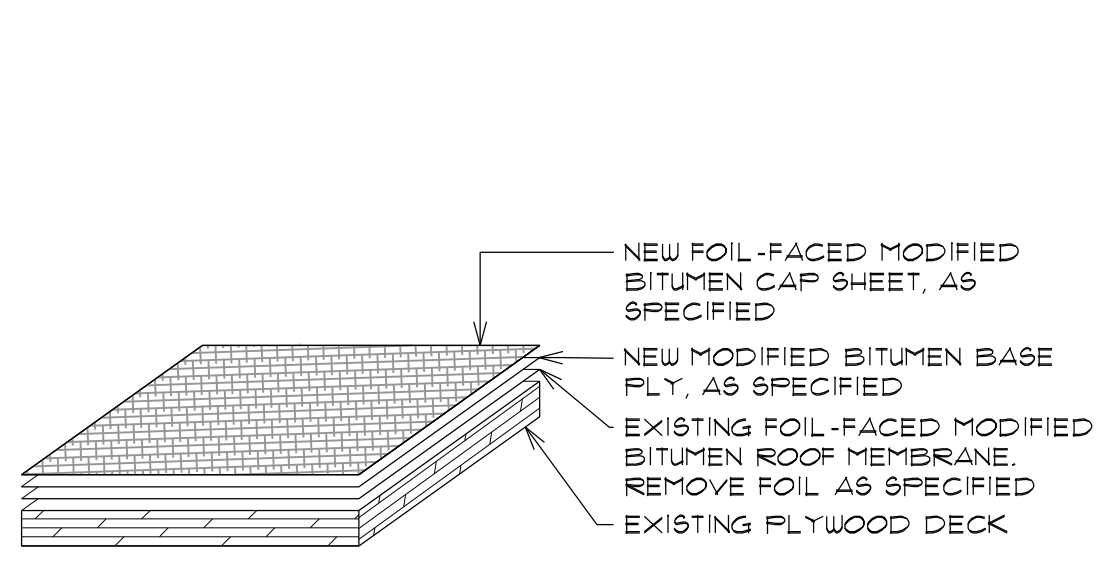
AREAS: Q, R, & S  
**9** EXISTING ROOF SYSTEM  
A-00 SCALE: N.T.S.



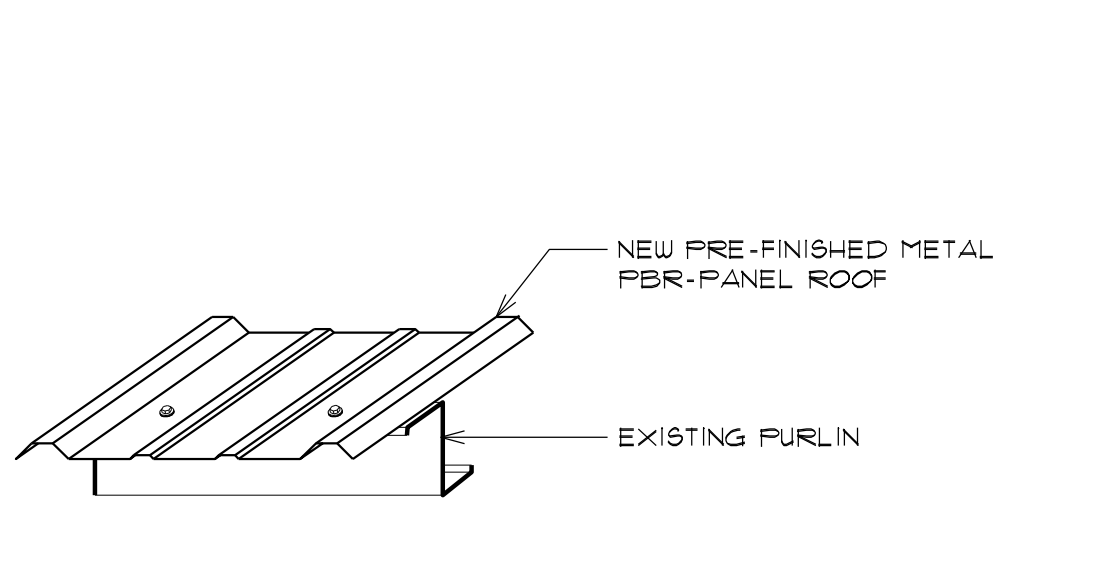
AREA: D  
**10** NEW ROOF SYSTEM  
A-00 SCALE: N.T.S.



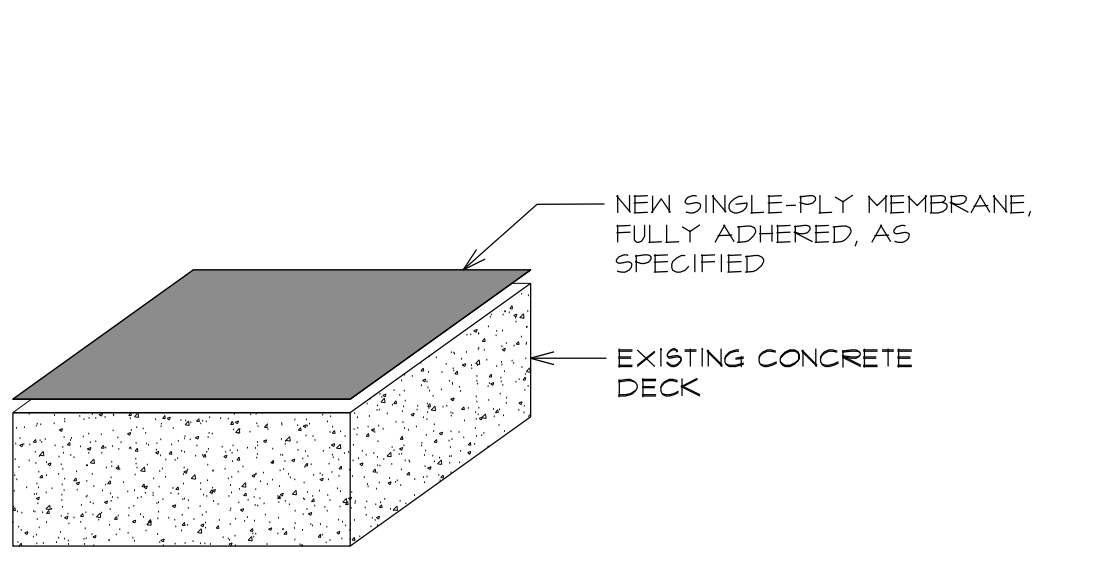
AREAS: N, N1, N2, Q, R, & S  
**11** NEW ROOF SYSTEM  
A-00 SCALE: N.T.S.



AREA: N TUNNEL-WAY  
**12** NEW ROOF SYSTEM  
A-00 SCALE: N.T.S.



AREA: O  
**13** NEW ROOF SYSTEM  
A-00 SCALE: N.T.S.



AREA: P  
**14** NEW ROOF SYSTEM  
A-00 SCALE: N.T.S.

**GENERAL PROJECT NOTES:**

- A. PROVIDE BUILDING PERMIT FROM CITY OF LONGVIEW, TX.
- B. ALL DIMENSIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY.
- C. FURNISH OWNER WITH 2 YEAR CONTRACTOR WARRANTY ON ALL WORK PERFORMED.
- D. CONTRACTOR SHALL COORDINATE WORK EFFORTS TO COMPLETE THE WORK WITHIN THE CONTRACT PERIOD. WORK SHALL BE STAGED AND COORDINATED SUCH THAT WORK PROGRESS SHALL NOT REQUIRE MATERIAL OR FOOT TRAFFIC TO TRAVERSE OVER NEWLY INSTALLED ROOFING. CONTRACTOR SHALL STAGE EQUIPMENT AND MATERIALS IN OWNER DESIGNATED AREAS ONLY.
- E. INSTALL NEW LIGHTWEIGHT INSULATING CONCRETE AS SHOWN INCLUDING CRICKETS WHERE SHOWN WITH POSITIVE SLOPE FOR DRAINAGE ON THE UPHILL SIDE OF ALL CURBS 2 FEET OR GREATER. CRICKET SLOPE TO BE 2X FINISHED ROOF SLOPE.
- F. ABSOLUTELY NO PONDING WATER (AS DEFINED BY NRCA) WILL BE ALLOWED.
- G. CONTRACTOR SHALL BE RESPONSIBLE FOR HER/HIS CONSTRUCTION MEANS AND METHODS. CONTRACTOR IS SOLELY RESPONSIBLE FOR HER/HIS SAFETY MEASURES TO PROTECT EMPLOYEES, PATRONS, VISITORS, ETC. WORK SHALL BE PROTECTED FROM AND NOT INTERFERE WITH OWNERS DAILY OPERATIONS UNLESS COORDINATED WITH SUCH.
- H. CONTRACTOR SHALL WALK SITE PRIOR TO COMMENCEMENT OF ANY WORK AND PROVIDE PHOTOGRAPHIC DOCUMENTATION OF EXISTING CONDITIONS. CONTRACTOR SHALL VERIFY WORKING CONDITION OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT. PROVIDE WRITTEN DOCUMENTATION OF CONDITION TO OWNER PRIOR TO COMMENCEMENT OF WORK.
- I. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE DAMAGE TO ANY BUILDING, SITE COMPONENT, OR ADJACENT PROPERTY CAUSED BY CONSTRUCTION TO THE SATISFACTION OF THE OWNER.
- J. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, LOCAL OR OTHER APPLICABLE REGULATORY AGENCY BUILDING CODES, LAWS, RULES AND REGULATIONS. WORK DETAILED ON THESE PLANS SHALL BE COMPLETED ACCORDING TO THE PROJECT DOCUMENTS. IF CONFLICT ARISES BETWEEN CODE AND PROJECT DOCUMENTS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE A/E FOR CLARIFICATION.
- K. CONTRACTOR SHALL PROVIDE AND MAINTAIN A PROJECT SIGN WITH EMERGENCY CONTACT PHONE NUMBERS.
- L. WHERE DETAILS ARE NOT SHOWN, CONTRACTOR SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. IN THE ABSENCE OF SPECIFICATIONS COVERING THE INSTALLATION OF A PRODUCT, THE CONTRACTOR SHALL CONFORM TO THE LATEST EDITION OF THE MANUFACTURER'S WRITTEN SPECIFICATION.
- M. ALL WORK PERFORMED BY THE CONTRACTOR AND HER/HIS SUBCONTRACTORS SHALL CONFORM TO THE PROJECT DOCUMENTS. ANY WORK DEEMED DEFECTIVE OR UNACCEPTABLE BY THE OWNER OR A/E SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

**GENERAL PROJECT NOTES: (CONT.)**

- N. SOME STRUCTURAL, MECHANICAL, MASONRY, ELECTRICAL, AND PLUMBING MODIFICATIONS MAY BE REQUIRED. CONTRACTOR SHALL PROVIDE LICENSED SUB-CONTRACTOR TO PERFORM SAID WORK.
- O. ALL GAS PIPING AND ELECTRICAL CONDUIT ROUTING/CONNECTION TO ROOF TOP UNITS SHALL COMPLY WITH CURRENT MECHANICAL AND ELECTRICAL CODE REQUIREMENTS AS REQUIRED. (INCLUDING FLEX CONDUIT CONNECTIONS TO ROOF TOP UNITS)
- P. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY, RECEIVING, AND PROPER STORAGE OF MATERIALS AND EQUIPMENT AT THE SITE IN DESIGNATED 'LAY-DOWN AREA' DENOTED ON PLAN. CONTRACTOR SHALL INSPECT EQUIPMENT AND MATERIALS, REJECTING ANY DAMAGED OR DEFECTIVE MATERIALS OR EQUIPMENT. MATERIALS DEEMED DEFECTIVE OR UNACCEPTABLE BY THE A/E SHALL BE REMOVED FROM THE SITE WITHIN TWENTY-FOUR (24) HOURS.
- Q. ALL ROOFING MATERIAL SHOWN SHALL BE CONSIDERED NEW PRODUCT UNLESS NOTED OTHERWISE.
- R. PROVIDE ALL NEW FLASHINGS OF A TYPE AND MATERIAL AS REQUIRED BY ROOFING MEMBRANE MANUFACTURER FOR REQUIRED 20 YEAR WARRANTY.
- S. ALL BASE FLASHING HEIGHTS MUST MEET A MINIMUM 8 INCHES HEIGHT. SOME CURBS, METAL SIDING, COUNTERFLASHING AND EQUIPMENT MAY NEED TO BE RAISED TO ALLOW FOR A MINIMUM 8 INCH BASE FLASHING HEIGHT. CONTRACTOR TO REMOVE AND STORE EQUIPMENT FOR REINSTALLATION AS NECESSARY. CONTRACTOR WILL RAISE CURBS, EXTEND DUCTWORK, AND EXTEND PIPES AS NECESSARY TO PROVIDE 8 INCH MINIMUM BASE FLASHING.
- T. INSTALL NEW WALKPADS WHERE REQUIRED, AND AT ALL ACCESS POINTS AND AROUND ALL SERVICEABLE EQUIPMENT, PATHWAYS, AS SPECIFIED AND AS SHOWN ON THE ABOVE DETAILS.
- U. PROVIDE ALL NEW COUNTERFLASHINGS, TERMINATION BARS, METAL PENETRATION FLASHINGS AS SHOWN ON DETAILS ABOVE, AND OF A TYPE AND MATERIAL AS REQUIRED BY ROOFING MEMBRANE MANUFACTURER FOR REQUIRED 20 YEAR WARRANTY.
- V. CONTRACTOR SHALL CLEAN JOB SITE DAILY AND SWEEP GROUNDS WITH A MAGNET IN ORDER TO PICK UP ALL NAILS, SCREWS, AND OTHER METALLIC OBJECTS.

**SCOPE OF WORK:**

- A. BUILDING ROOF AREAS - D, N-1, N-2, O, P, Q, R, & S: REMOVE EXISTING ROOF SYSTEMS AS SHOWN ON DEMOLITION PLAN AND AND INSTALL NEW ROOF SYSTEM AS SHOWN ON DETAILS ABOVE.
- B. BUILDING ROOF AREA D-1 - WILL BE ENCLOSED AND BECOME PART OF ROOF AREA D. NEW ROOF ACCESS WILL BE PROVIDED AS SHOWN ON DETAILS ABOVE.
- C. BUILDING ROOF AREA D - FLAT METAL PANELS WILL BE INSTALLED TO ALL HORIZONTAL BAR NETWORKS AS SHOWN ON DETAILS HEREIN. ALL SUCH AREAS WILL BE CONSTRUCTED TO BE LEVEL WITH SURROUNDING SURFACES OF EXISTING CONCRETE ROOF DECK USING APPROVED INSULATION AND MADE WATER TIGHT USING THE SPECIFIED TEMPORARY ROOF.
- D. BUILDING ROOF AREA Q - GAS AND ELECTRICAL LINE WILL BE DISCONNECTED. A CURB WILL BE CONSTRUCTED, FLASHED AND CAPPED TO HOUSE STUBBED SUPPLY LINES FOR FUTURE USE AS DETAILED HEREIN.
- E. BUILDING ROOF AREA N - TUNNEL WAY. EXISTING FOIL-FACED ROOF MEMBRANE WILL REMAIN IN PLACE THROUGHOUT DEMOLITION. INSTALLATION OF TEMPORARY ROOF AND LIGHTWEIGHT INSULATING CONCRETE SYSTEM. FOIL SURFACING WILL BE REMOVED AS DIRECTED BY THE MANUFACTURER OF THE NEW ROOF SYSTEM, AND IMMEDIATELY PRIOR TO INSTALLATION OF NEW FOIL-FACED ROOF SYSTEM AS SPECIFIED AND AS SHOWN ON DETAILS ABOVE.
- F. BUILDING ROOF AREA N-2 - NEW DRAINS LEADERS AND PIPING WILL BE INSTALLED TO CONVEY WATER BENEATH AREA N-2 AND AREA N FOR DOWNSPOUT DELIVERY ONTO ROOF AREA O.
- G. NEW CONDENSATE LINE WILL BE INSTALLED TO TRANSPORT HVAC UNIT CONDENSATION TO NEW DRAIN LEADER LOCATED AT ROOF AREA N-2.
- H. DUCTWORK FOR ROOF AREA N-2 WILL BE FRAMED AND WATERPROOFED TO ALLOW FOR FUTURE ACCESS AS DETAILED HEREIN.

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-001 GENERAL NOTES
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

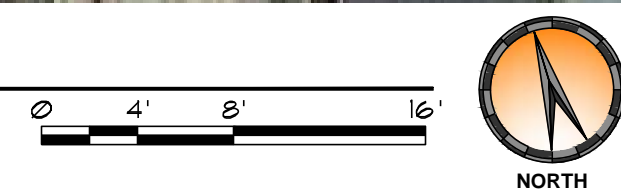
SHEET TITLE:  
**GENERAL NOTES,  
ROOF SYSTEMS**

SHEET NO:  
**A-001**





1 AERIAL SITE PLAN  
A-100 SCALE: 1/8" = 1'-0"



AREA OF CONSTRUCTION

**Crenshaw**  
Consulting Group, LLC  
*roof consulting & design*

DFW OFFICE  
616 SOUTH COPPELL RD  
COPPELL, TX 75019  
PHONE: 214.758.0785

AMARILLO OFFICE  
7120 I-40 WEST, SUITE 210  
AMARILLO, TX 79106  
PHONE: 806.356.6059

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PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT  
PHASE 1

BID#2017-703  
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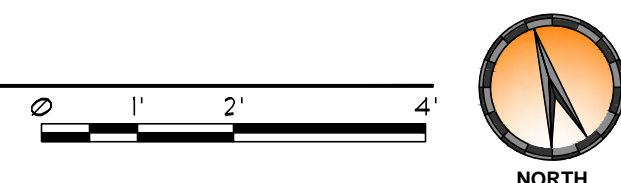
PROJECT NO:	1-132-1
CAD DWG FILE:	AS-100 AERIAL SITE PLAN
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE:  
AERIAL SITE PLAN

SHEET NO.  
**AS-100**



2 ENLARGED AERIAL SITE PLAN  
A-100 SCALE: 1/2" = 1'-0"





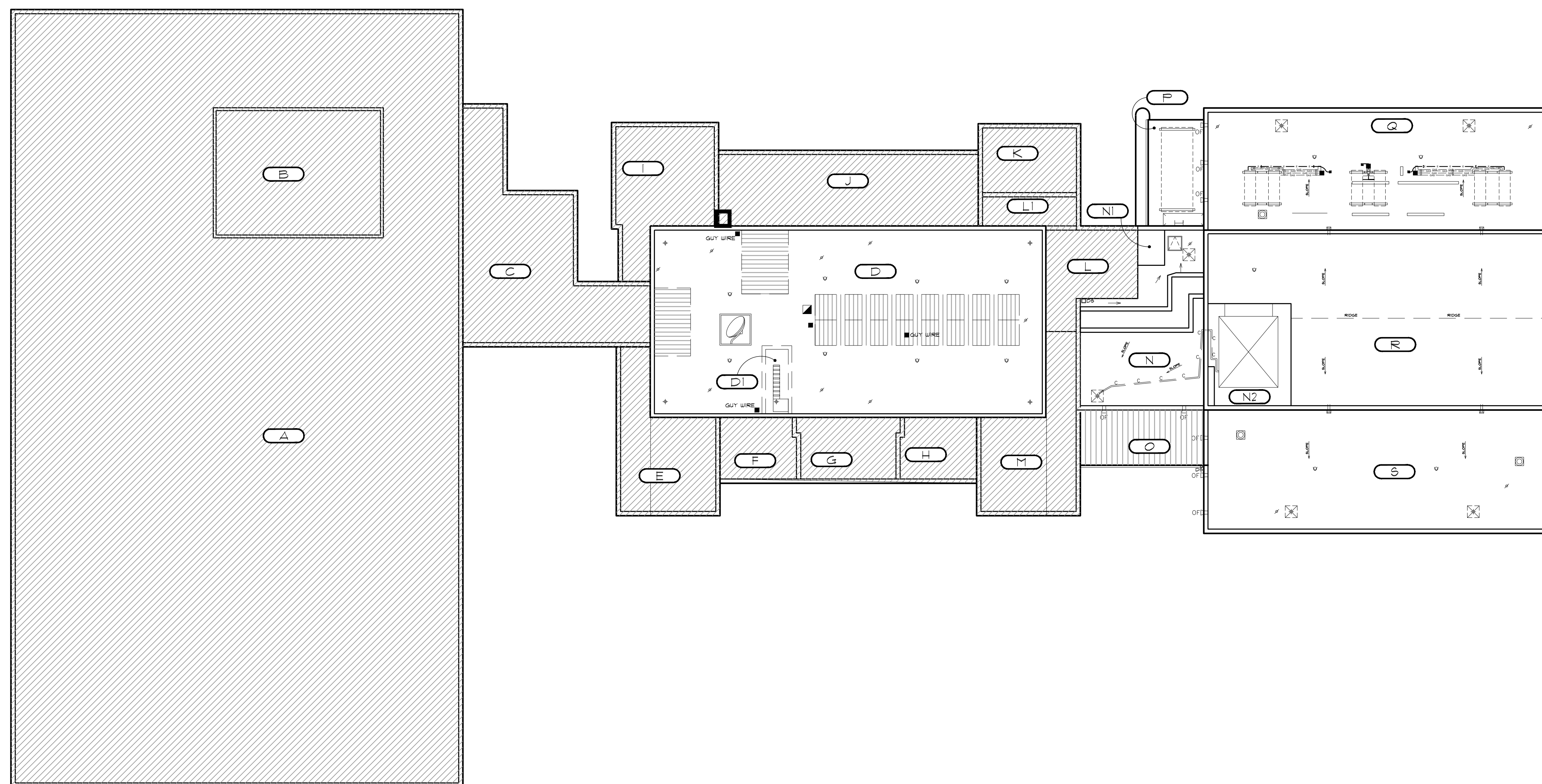
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LEGEND			
	GUTTER DOWNSPOUT		ROOF DRAIN
	OVERFLOW SCUPPER		ROOF LADDER
	HVAC UNIT		PITCH PAN
	EQUIP ON SLEEPERS		ROOF VENT
	EQUIPMENT CURB		VENT STACK
	POWERED VENT		SLOPE
	DUCT PENETRATION		CONDENSATION LINE
	ABANDONED CURB		GAS LINE
	ROOF HATCH		ELECTRIC CONDUIT
	SATELLITE DISH		PIPE SUPPORT
	CHIMNEY		WALK PAD
	METAL ROOF		ROOF AREA - ID
			NOT IN CONTRACT
			DETAIL TAG
			DETAIL NUMBER
			DETAIL SHEET

**ROOF PLAN (DEMOLITION) NOTES:**

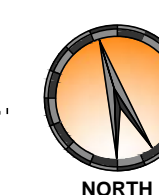
- A. PROVIDE BUILDING PERMIT FROM CITY OF LONGVIEW, TX.
- B. DO NOT REMOVE MORE ROOFING THAN CAN BE MADE WATERTIGHT SHOULD INCLEMENT WEATHER ARISE. ALL ROOFING WILL BE MADE WATERTIGHT AT END OF WORK DAY. CONTRACTOR WILL MAINTAIN EMERGENCY DRY-IN MATERIALS ON SITE SUCH AS TARPS OR PLASTIC SHEETING.
- C. REMOVE EXISTING ROOF COVERINGS DOWN TO DECK. INSPECT DECK FOR DAMAGE AND DETERIORATION. NOTIFY A/E OF ANY SUSPECT DECK AREAS.
- D. DISCONNECT AND RECONNECT DESIGNATED EXISTING HVAC EQUIPMENT AS NEEDED DURING THE ROOF REPLACEMENT PROCESS. REMOVE EXISTING BASE FLASHINGS DOWN TO SUBSTRATE.
- E. REMOVE AND SALVAGE DESIGNATED EXISTING ROOFTOP EQUIPMENT IN PREPARATION FOR NEW WORK.
- F. REMOVE EXISTING METAL FLASHINGS, BASE FLASHINGS, AND COUNTERFLASHINGS IN PREPARATION FOR NEW WORK. PROPERLY DISPOSE OF WASTE IN AN APPROVED LANDFILL OR RECYCLING FACILITY.
- G. REMOVE EXISTING CURB FLASHINGS, AND TRIM. PROPERLY DISPOSE OF WASTE IN AN APPROVED LANDFILL OR RECYCLING FACILITY. PREPARE AREA TO RECEIVE NEW WORK.
- H. REMOVE EXISTING FLUE GAP TO WASTE. PROPERLY DISPOSE OF IN AN APPROVED LANDFILL OR RECYCLING FACILITY.
- I. REMOVE ALL UNUSED OR ABANDONED EQUIPMENT AND PENETRATIONS. REPAIR DECK TO MATCH EXISTING.
- J. REMOVE EXISTING FLASHING, BOOTS, AND MEMBRANE AT ALL PIPE PENETRATIONS.
- K. ALL CONSTRUCTION RELATED DEBRIS INCLUDING TEAR OFF AND TRASH GENERATED FROM NEW WORK TO BE REMOVED AND PROPERLY DISPOSED OF IN AN APPROVED LANDFILL OR RECYCLING FACILITY.
- L. CONTRACTOR SHALL CLEAN JOB SITE DAILY AND SWEEP GROUNDS WITH A MAGNET IN ORDER TO PICK UP ALL NAILS, SCREWS, AND OTHER METALLIC OBJECTS.
- M. COORDINATE DEMOLITION WITH WORK BY OTHERS.



1 SCOPE PLAN (DEMOLITION AND PREPARATION)

AD-100 SCALE: 1/16" = 1'-0"

0 8' 16' 32'



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101 EAST METHVIN

Longview, TX 75601

REV.	DATE:	DESCRIPTION:
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PROJECT NO:	1-132-1
CAD DWG FILE:	AD-100 ROOF DEMO.PLAN
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE:  
**ROOF PLAN (DEMOLITION AND PREPARATION)**

SHEET NO.

**AD-100**

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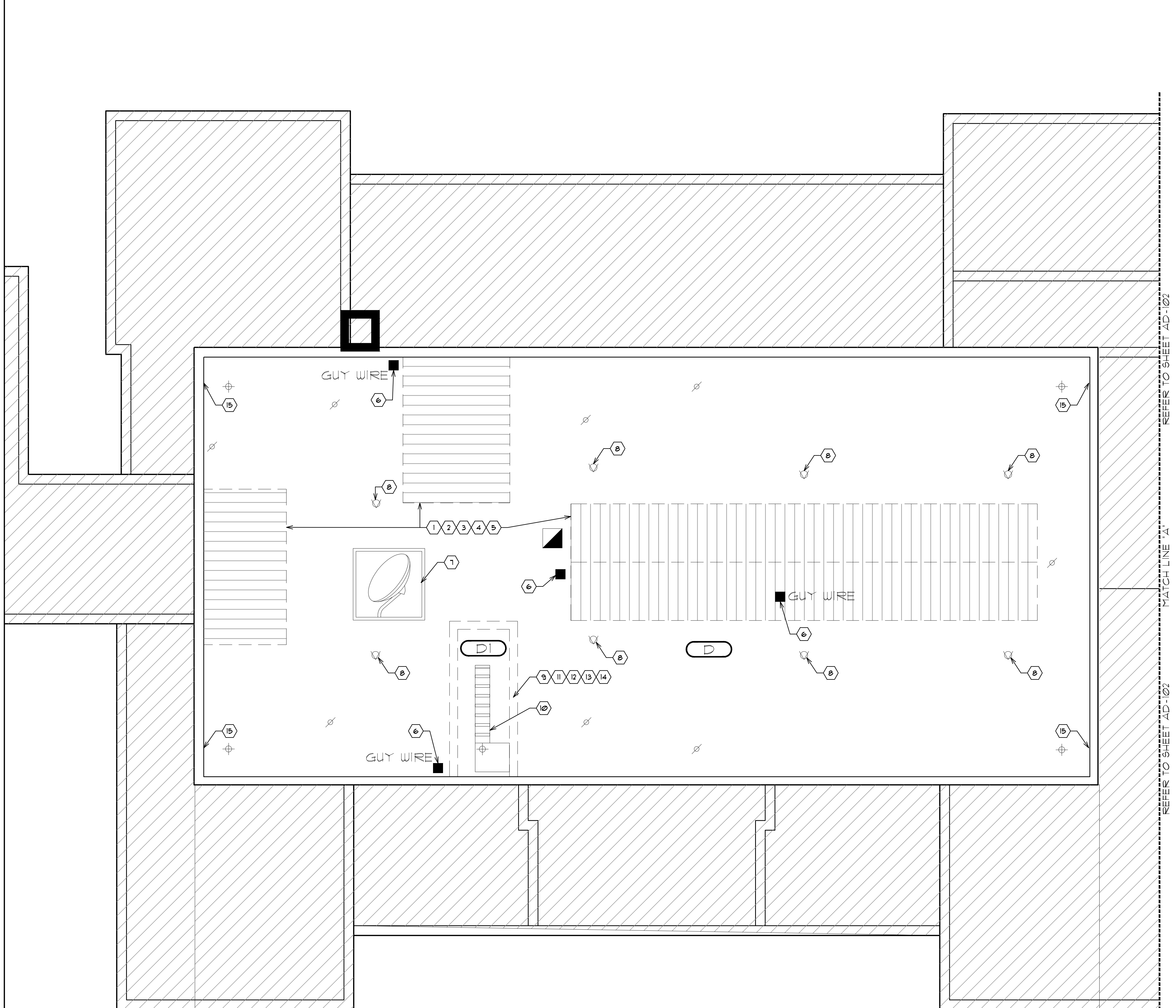
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LEGEND	
	GUTTER DOWNSPOUT
	OVERFLOW SCUPPER
	HVAC UNIT
	ABANDONED CURB
	SATELLITE DISH
	CHIMNEY
	ROOF LADDER
	PITCH PAN
	METAL ROOF
	ROOF VENT
	VENT STACK
	ROOF DRAIN
	SLOPE
	CONDENSATION LINE
	GAS LINE
	ELECTRIC CONDUIT
	PIPE SUPPORT
	ROOF AREA - ID
	NOT IN CONTRACT
	DETAIL TAG
	DETAIL NUMBER
	DETAIL SHEET

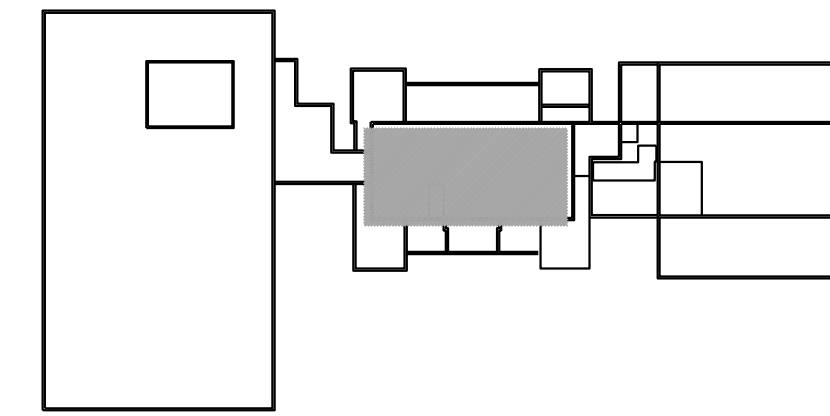


**ROOF PLAN (DEMOLITION) NOTES:**

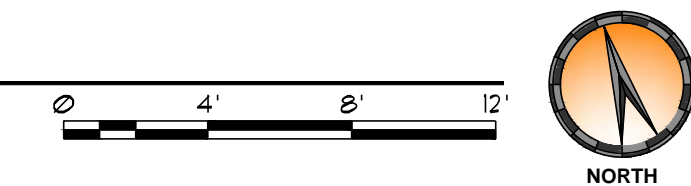
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- B. DO NOT REMOVE MORE ROOFING THAN CAN BE MADE WATERTIGHT SHOULD INCLEMENT WEATHER ARISE. ALL ROOFING WILL BE MADE WATERTIGHT AT END OF WORK DAY. CONTRACTOR WILL MAINTAIN EMERGENCY DRY-IN MATERIALS ON SITE SUCH AS TARPS OR PLASTIC SHEETING.
- C. REMOVE EXISTING ROOF COVERINGS DOWN TO DECK. INSPECT DECK FOR DAMAGE AND DETERIORATION. NOTIFY A/E OF ANY SUSPECT DECK AREAS.
- D. DISCONNECT AND RECONNECT DESIGNATED EXISTING HVAC EQUIPMENT AS NEEDED DURING THE ROOF REPLACEMENT PROCESS. REMOVE EXISTING BASE FLASHINGS DOWN TO SUBSTRATE.
- E. REMOVE AND SALVAGE DESIGNATED EXISTING ROOFTOP EQUIPMENT IN PREPARATION FOR NEW WORK.
- F. REMOVE EXISTING METAL FLASHINGS, BASE FLASHINGS, AND COUNTERFLASHINGS IN PREPARATION FOR NEW WORK. PROPERLY DISPOSE OF WASTE IN AN APPROVED LANDFILL OR RECYCLING FACILITY.
- G. REMOVE EXISTING CURB FLASHINGS, AND TRIM. PROPERLY DISPOSE OF WASTE IN AN APPROVED LANDFILL OR RECYCLING FACILITY. PREPARE AREA TO RECEIVE NEW WORK.
- H. REMOVE EXISTING FLUE CAP TO WASTE. PROPERLY DISPOSE OF IN AN APPROVED LANDFILL OR RECYCLING FACILITY.
- I. REMOVE ALL UNUSED OR ABANDONED EQUIPMENT AND PENETRATIONS. REPAIR DECK TO MATCH EXISTING.
- J. REMOVE EXISTING FLASHING, BOOTS, AND MEMBRANE AT ALL PIPE PENETRATIONS.
- K. ALL CONSTRUCTION RELATED DEBRIS INCLUDING TEAR OFF AND TRASH GENERATED FROM NEW WORK TO BE REMOVED AND PROPERLY DISPOSED OF IN AN APPROVED LANDFILL OR RECYCLING FACILITY.
- L. CONTRACTOR SHALL CLEAN JOB SITE DAILY AND SWEEP GROUNDS WITH A MAGNET IN ORDER TO PICK UP ALL NAILS, SCREWS, AND OTHER METALLIC OBJECTS.
- M. COORDINATE DEMOLITION WITH WORK BY OTHERS.

**DEMOLITION ROOF PLAN KEYED NOTES:**

- 1. REMOVE METAL ROOFS ON THREE WELL AREAS AND ALL STRUCTURAL SUPPORTS FOR METAL ROOFS, KEEPING METAL BAR NETWORK IN PLACE.
- 2. REMOVE BRICK CURB / KNEE WALL CONSTRUCTION TO STRUCTURAL BLOCK WALLS, KEEPING METAL BAR NETWORK IN PLACE.
- 3. INSTALL FLAT METAL PANELS OVER BAR NETWORK, AS SPECIFIED.
- 4. INSTALL NEW INSULATION AND/OR COVER BOARD AS APPROPRIATE TO BRING BACK TO LEVEL WITH SURROUNDING DECK AS SPECIFIED.
- 5. INSTALL NEW TEMPORARY ROOF OVER INSULATION/COVERBOARD ASSEMBLY, TYING INTO EXISTING CONCRETE DECK.
- 6. REMOVE ANTENNA TOWER (ALTERNATE TO LEAVE IN PLACE). REMOVE EXISTING GUY WIRE ANCHORS & PITCH PANS. INSTALL NEW GUY WIRE ANCHORS AS DETAILED HEREIN. IF TOWER REMAINS.
- 7. REMOVE SATELLITE DISH AND SUPPORTS.
- 8. REMOVE VENTS OVER HOLES THROUGH CONCRETE DECK. COVER HOLES THROUGH DECK WITH SHEET METAL PANELS.
- 9. REMOVE BRICK CURB / KNEE WALLS SURROUNDING WELL OVER ROOF AREA D-1.
- 10. REMOVE METAL STAIRCASE FROM ROOF AREA D-1.
- 11. INSTALL NEW STRUCTURAL DECK SUPPORTS FOR NEW METAL DECK OVER ROOF AREA D-1.
- 12. INSTALL NEW METAL DECK OVER ROOF AREA D-1.
- 13. INSTALL NEW INSULATION AND/OR COVERBOARD AS APPROPRIATE TO BRING BACK TO LEVEL WITH SURROUNDING DECK AS SPECIFIED.
- 14. INSTALL NEW TEMPORARY ROOF OVER INSULATION/COVERBOARD, TYING INTO EXISTING CONCRETE DECK.
- 15. CUT NEW OPENINGS FOR OVERFLOW SCUPPERS THROUGH PARAPET WALLS AT EACH DRAIN LOCATION WHERE NONE CURRENTLY EXIST.



**1 PARTIAL ROOF PLAN (DEMOLITION AND PREPARATION)**  
AD-101 SCALE: 3/16" = 1'-0"



**2 KEY PLAN**  
AD-101 SCALE: N.T.S.



REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	AD-100 ROOF DEMO.PLAN
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE:	
ROOF PLAN (DEMOLITION AND PREPARATION)	
SHEET NO. <b>AD-101</b>	



**ISSUED FOR BIDDING**  
NOT FOR CONSTRUCTION

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PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT

PHASE 1  
BID#2017-703  
A ROOF REPLACEMENT AT  
GREGG COUNTY COURTHOUSE  
101 EAST METHVIN  
Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	AD-100 ROOF DEMO.PLAN
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE:  
**ROOF PLAN (DEMOLITION AND PREPARATION)**

SHEET NO.  
**AD-102**

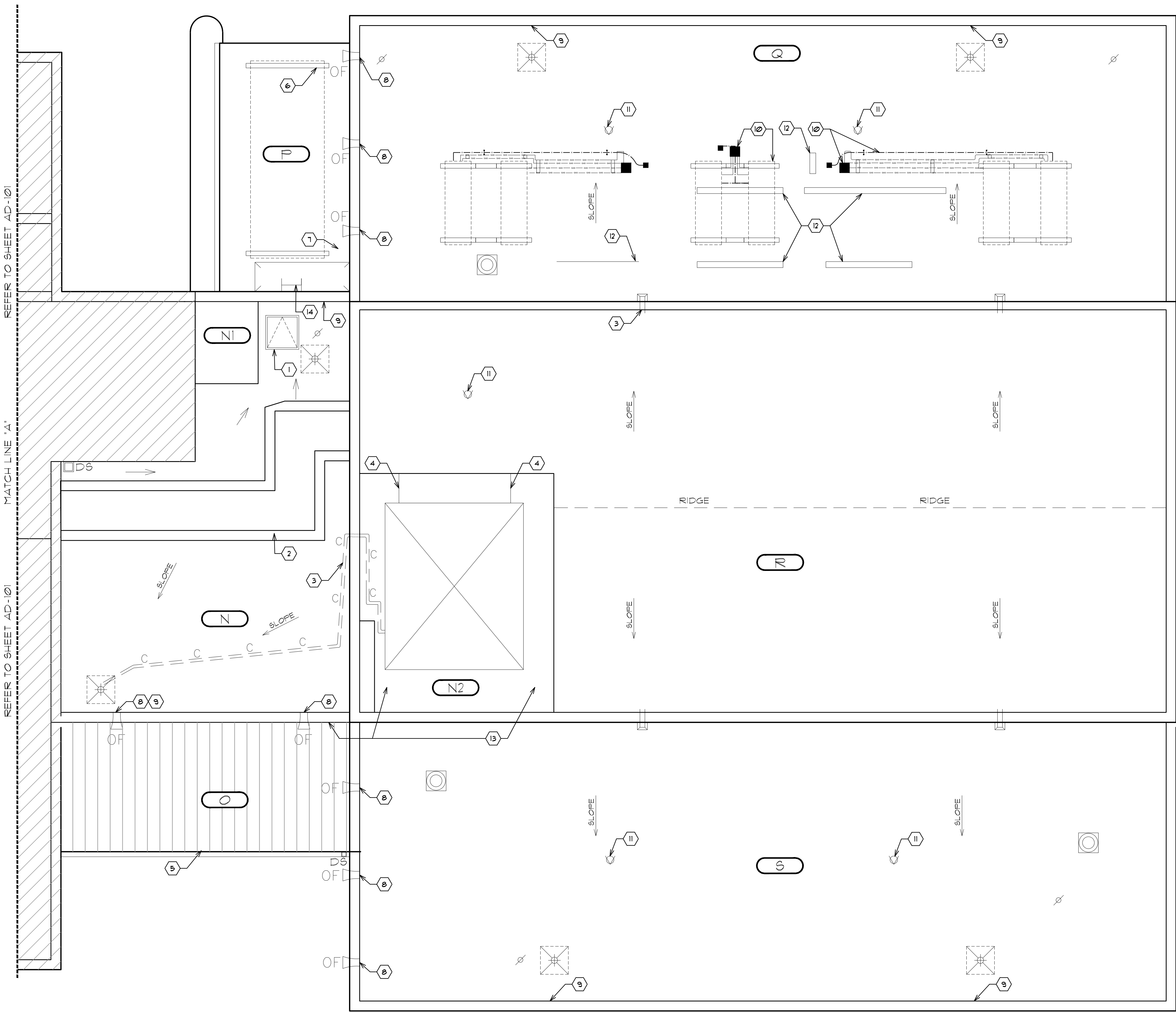
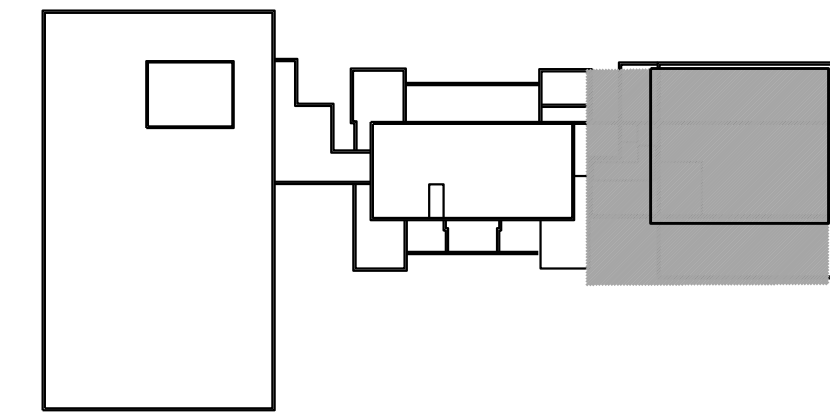
LEGEND	
	GUTTER DOWNSPOUT
	OVERFLOW SCUPPER
	ROOF DRAIN
	EQUIP ON SLEEPERS
	EQUIPMENT CURB
	POWERED VENT
	DUCT PENETRATION
	ROOF HATCH
	FITCH PAN
	METAL ROOF
	ROOF VENT
	VENT STACK
	SLOPE
	CONDENSATION LINE
	GAS LINE
	ELECTRIC CONDUIT
	PIPE SUPPORT
	ROOF AREA - ID
	NOT IN CONTRACT
	DETAIL TAG
	DETAIL NUMBER
	DETAIL SHEET

**ROOF PLAN (DEMOLITION) NOTES:**

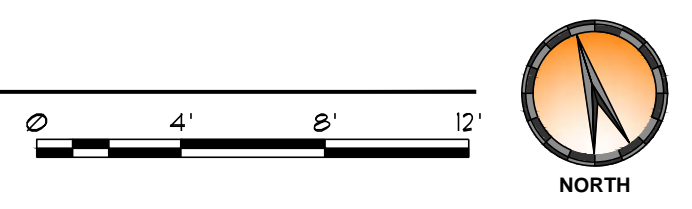
- A. PROVIDE BUILDING PERMIT FROM CITY OF LONGVIEW, TX.
- B. DO NOT REMOVE MORE ROOFING THAN CAN BE MADE WATERTIGHT SHOULD INCLEMENT WEATHER ARISE. ALL ROOFING WILL BE MADE WATERTIGHT AT END OF WORK DAY. CONTRACTOR WILL MAINTAIN EMERGENCY DRY-IN MATERIALS ON SITE SUCH AS TAREPS OR PLASTIC SHEETING.
- C. REMOVE EXISTING ROOF COVERINGS DOWN TO DECK. INSPECT DECK FOR DAMAGE AND DETERIORATION. NOTIFY A/E OF ANY SUSPECT DECK AREAS.
- D. DISCONNECT AND RECONNECT DESIGNATED EXISTING HVAC EQUIPMENT AS NEEDED DURING THE ROOF REPLACEMENT PROCESS. REMOVE EXISTING BASE FLASHINGS DOWN TO SUBSTRATE.
- E. REMOVE AND SALVAGE DESIGNATED EXISTING ROOFTOP EQUIPMENT IN PREPARATION FOR NEW WORK.
- F. REMOVE EXISTING METAL FLASHINGS, BASE FLASHINGS, AND COUNTERFLASHINGS IN PREPARATION FOR NEW WORK. PROPERLY DISPOSE OF WASTE IN AN APPROVED LANDFILL OR RECYCLING FACILITY.
- G. REMOVE EXISTING CURB FLASHINGS, AND TRIM. PROPERLY DISPOSE OF WASTE IN AN APPROVED LANDFILL OR RECYCLING FACILITY. PREPARE AREA TO RECEIVE NEW WORK.
- H. REMOVE EXISTING FLUE CAP TO WASTE. PROPERLY DISPOSE OF IN AN APPROVED LANDFILL OR RECYCLING FACILITY.
- I. REMOVE ALL UNUSED OR ABANDONED EQUIPMENT AND PENETRATIONS, REPAIR DECK TO MATCH EXISTING.
- J. REMOVE EXISTING FLASHING, BOOTS, AND MEMBRANE AT ALL PIPE PENETRATIONS.
- K. ALL CONSTRUCTION RELATED DEBRIS INCLUDING TEAR OFF AND TRASH GENERATED FROM NEW WORK TO BE REMOVED AND PROPERLY DISPOSED OF IN AN APPROVED LANDFILL OR RECYCLING FACILITY.
- L. CONTRACTOR SHALL CLEAN JOB SITE DAILY AND SWEEP GROUNDS WITH A MAGNET IN ORDER TO PICK UP ALL NAILS, SCREWS, AND OTHER METALLIC OBJECTS.
- M. COORDINATE DEMOLITION WITH WORK BY OTHERS.

**DEMOLITION ROOF PLAN KEYED NOTES:**

1. EXISTING ROOF HATCH/CURB WILL BE RAISED TO NEW LEVEL AS SPECIFIED.
2. LEAVE EXISTING FOIL SURFACED ROOF MEMBRANE AND FOIL SURFACE IN-PLACE AS A TEMPORARY ROOF UNTIL NEW LIGHTWEIGHT INSULATING CONCRETE HAS BEEN PLACED, AND IMMEDIATELY PRIOR TO INSTALLATION OF NEW ROOF MEMBRANE SYSTEM.
3. REMOVE AND DISCARD PVC CONDENSATE LINE. RE-ROUTE CONDENSATE LINE TO DRAIN LINE TO BE INSTALLED AT AREA N-2.
4. INSTALL NEW CURB AND PLYWOOD HOUSING OVER HVAC ROOF AND WALL CONNECTIONS TO PREPARE FOR INSTALLATION OF NEW MEMBRANE AN FLUID APPLIED FLASHING.
5. REMOVE EXISTING ROOF EDGE AND GUTTER IN PREPARATION FOR NEW EDGE AND GUTTER.
6. MECHANICALLY ANCHOR FLANGES OF EXISTING METAL SLEEPER CURBS.
7. INSTALL NEW DRAIN. ROUTE LINE UNDERNEATH ROOF DECK TO OUTSIDE WALL AND GROUNDS.
8. REMOVE EXISTING ROUND PIPES USED AS OVERFLOW SCUPPERS AND FILL OPENING WITH STONE BRICKS TO MATCH EXISTING STONE WORK.
9. CUT NEW OPENINGS FOR OVERFLOW SCUPPERS THROUGH PARAPET WALLS AT EACH EXISTING DRAIN LOCATION.
10. DISCONNECT AND REMOVE ALL HVAC EQUIPMENT, SUPPORTS AND FITCH PAN. INSTALL NEW CURB TO PROVIDE FOR ACCESS TO SUPPLY LINES FOR FUTURE HVAC UNIT.
11. REMOVE VENTS OVER HOLES THROUGH GYPSUM DECK. COVER HOLES THROUGH DECK WITH SHEET METAL PANELS.
12. UNUSED EQUIPMENT SUPPORTS TO BE REMOVED TO WASTE. REPAIR AREA AND PREPARE TO RECEIVE NEW WORK.
13. INSTALL NEW DRAINS, ROUTE LINE UNDERNEATH AREA N2 4 N THROUGH OUTSIDE WALL AND DOWNSPOUT ONTO AREA O.
14. REMOVE EXISTING LADDER AND INSTALL NEW ONE AS SPECIFIED.



1 PARTIAL ROOF PLAN (DEMOLITION AND PREPARATION)  
AD-102 SCALE: 3/16" = 1'-0"



2 KEY PLAN  
AD-102 SCALE: N.T.S.





**ISSUED FOR BIDDING**

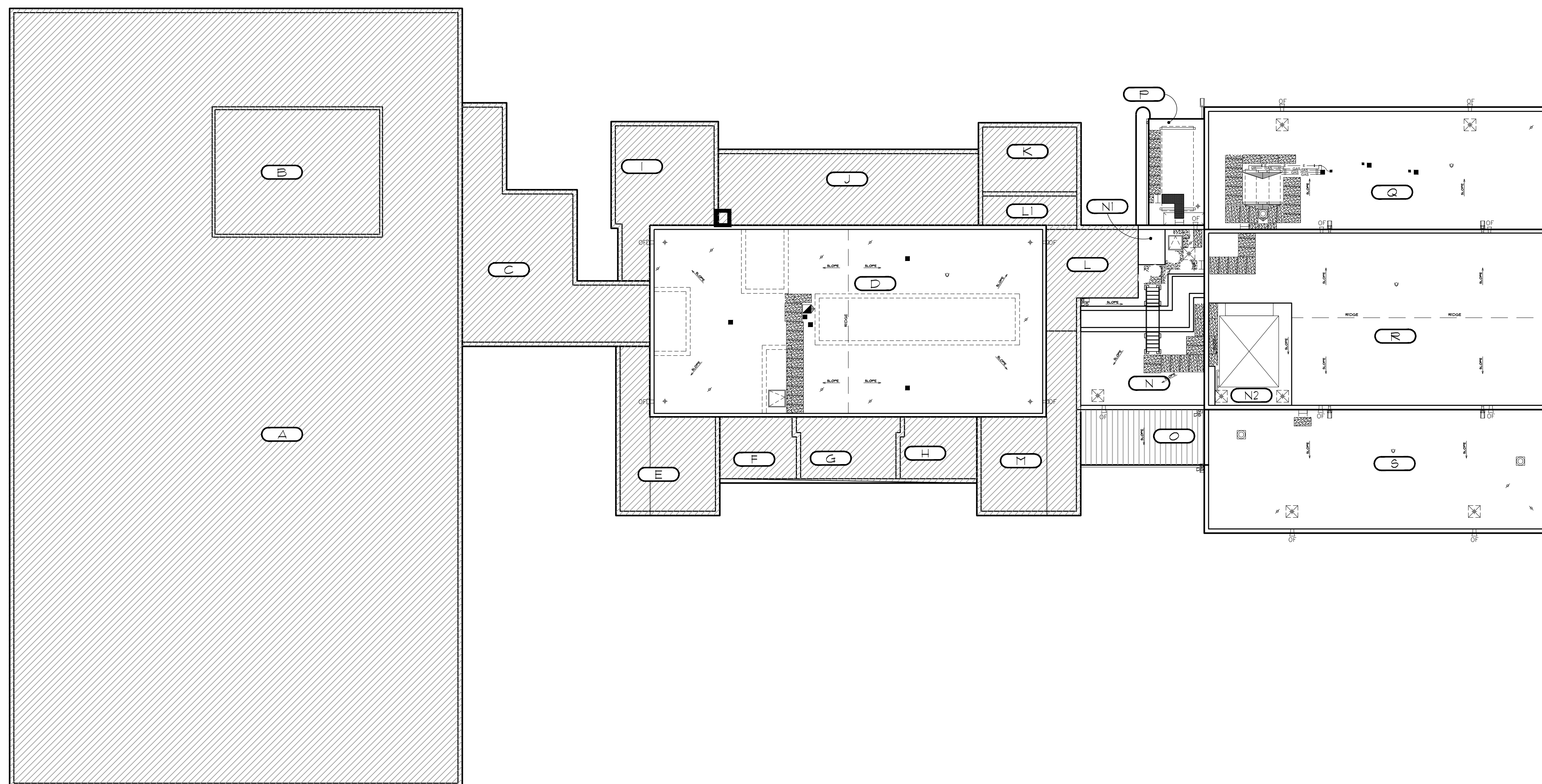
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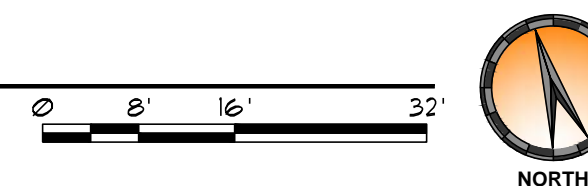
LEGEND			
	GUTTER DOWNSPOUT		ROOF LADDER
	NEW OVERFLOW SCUPPER		PITCH FAN
	ROOF DRAIN		ROOF VENT
	NEW OVERFLOW ROOF DRAIN		VENT STACK
	HVAC UNIT		SLOPE
	EQUIPMENT ON SLEEPERS		CONDENSATION LINE
	EQUIPMENT CURB		GAS LINE
	DUCT PENETRATION		ELECTRIC CONDUIT
	POWERED VENT		PIPE SUPPORT
	ROOF HATCH		WALK PAD
	CHIMNEY		ROOF AREA - ID
	SPLASHBLOCK		NOT IN CONTRACT
	CRICKET		DETAIL TAG
			DETAIL SHEET *
			METAL ROOF

**GENERAL PROJECT NOTES:**

- A. PROVIDE BUILDING PERMIT FROM CITY OF LONGVIEW, TX.
- B. ALL DIMENSIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY.
- C. FURNISH OWNER WITH 2 YEAR CONTRACTOR WARRANTY ON ALL WORK PERFORMED.
- D. CONTRACTOR SHALL COORDINATE WORK EFFORTS TO COMPLETE THE WORK WITHIN THE CONTRACT PERIOD. WORK SHALL BE STAGED AND COORDINATED SUCH THAT WORK PROGRESS SHALL NOT REQUIRE MATERIAL OR FOOT TRAFFIC TO TRAVERSE DIRECTLY OVER NEWLY INSTALLED ROOFING. CONTRACTOR SHALL STAGE EQUIPMENT AND MATERIALS IN OWNER DESIGNATED AREAS ONLY.
- E. INSTALL NEW LIGHTWEIGHT INSULATING CONCRETE AS SHOWN INCLUDING CRICKETS WHERE SHOWN WITH POSITIVE SLOPE FOR DRAINAGE ON THE UPHILL SIDE OF ALL CURBS 2 FEET OR GREATER. CRICKET SLOPE TO BE 2X FINISHED ROOF SLOPE.
- F. ABSOLUTELY NO PONDING WATER (AS DEFINED BY NRCA) WILL BE ALLOWED.
- G. CONTRACTOR SHALL BE RESPONSIBLE FOR HER/HIS CONSTRUCTION MEANS AND METHODS. CONTRACTOR IS SOLELY RESPONSIBLE FOR HER/HIS SAFETY MEASURES TO PROTECT EMPLOYEES, PATRONS, VISITORS, ETC. WORK SHALL BE PROTECTED FROM AND NOT INTERFERE WITH OWNERS DAILY OPERATIONS UNLESS COORDINATED WITH SUCH.
- H. CONTRACTOR SHALL WALK SITE PRIOR TO COMMENCEMENT OF ANY WORK AND PROVIDE PHOTOGRAPHIC DOCUMENTATION OF EXISTING CONDITIONS. CONTRACTOR SHALL VERIFY WORKING CONDITION OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT. PROVIDE WRITTEN DOCUMENTATION OF CONDITION TO OWNER PRIOR TO COMMENCEMENT OF WORK.
- I. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE DAMAGE TO ANY BUILDING, SITE COMPONENT, OR ADJACENT PROPERTY CAUSED BY CONSTRUCTION TO THE SATISFACTION OF THE OWNER.
- J. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, LOCAL OR OTHER APPLICABLE REGULATORY AGENCY BUILDING CODES, LAWS, RULES AND REGULATIONS. WORK DETAILED ON THESE PLANS SHALL BE COMPLETED ACCORDING TO THE PROJECT DOCUMENTS. IF CONFLICT ARISES BETWEEN CODE AND PROJECT DOCUMENTS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE A/E FOR CLARIFICATION.
- K. CONTRACTOR SHALL PROVIDE AND MAINTAIN A PROJECT SIGN WITH EMERGENCY CONTACT PHONE NUMBERS.
- L. WHERE DETAILS ARE NOT SHOWN, CONTRACTOR SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. IN THE ABSENCE OF SPECIFICATIONS COVERING THE INSTALLATION OF A PRODUCT, THE CONTRACTOR SHALL CONFORM TO THE LATEST EDITION OF THE MANUFACTURER'S WRITTEN SPECIFICATIONS AND REQUIREMENTS.
- M. ALL WORK PERFORMED BY THE CONTRACTOR AND HER/HIS SUBCONTRACTORS SHALL CONFORM TO THE PROJECT DOCUMENTS. ANY WORK DEEMED DEFECTIVE OR UNACCEPTABLE BY THE OWNER OR A/E SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- N. SOME STRUCTURAL, MECHANICAL, MASONRY, ELECTRICAL, AND PLUMBING MODIFICATIONS MAY BE REQUIRED. CONTRACTOR SHALL PROVIDE LICENSED SUB-CONTRACTOR TO PERFORM SAID WORK.
- O. ALL GAS PIPING AND ELECTRICAL CONDUIT ROUTING/CONNECTION TO ROOF TOP UNITS SHALL COMPLY WITH CURRENT MECHANICAL AND ELECTRICAL CODE REQUIREMENTS AS REQUIRED. (INCLUDING FLEX CONDUIT CONNECTIONS TO ROOF TOP UNITS)
- P. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY, RECEIVING, AND PROPER STORAGE OF MATERIALS AND EQUIPMENT AT THE SITE. CONTRACTOR SHALL INSPECT EQUIPMENT AND MATERIALS, REJECTING ANY DAMAGED OR DEFECTIVE MATERIALS OR EQUIPMENT. MATERIALS DEEMED DEFECTIVE OR UNACCEPTABLE BY THE A/E SHALL BE REMOVED FROM THE SITE WITHIN TWENTY-FOUR (24) HOURS.
- Q. ALL ROOFING MATERIAL SHOWN SHALL BE CONSIDERED NEW PRODUCT UNLESS NOTED OTHERWISE.
- R. PROVIDE ALL NEW FLASHINGS OF A TYPE AND MATERIAL AS REQUIRED BY ROOFING MEMBRANE MANUFACTURER FOR REQUIRED 20 YEAR WARRANTY.
- S. ALL BASE FLASHING HEIGHTS MUST MEET A MINIMUM 8 INCHES HEIGHT. SOME CURBS, METAL SIDING, COUNTERFLASHING AND EQUIPMENT MAY NEED TO BE RAISED TO ALLOW FOR A MINIMUM 8 INCH BASE FLASHING HEIGHT. CONTRACTOR TO REMOVE AND STORE EQUIPMENT FOR REINSTALLATION AS NECESSARY. CONTRACTOR WILL RAISE CURBS, EXTEND DUCTWORK, AND EXTEND PIPES AS NECESSARY TO PROVIDE 8 INCH MINIMUM BASE FLASHING.
- T. INSTALL NEW WALKPADS WHERE REQUIRED, AND AT ALL ACCESS POINTS, PATHWAYS, AND AROUND ALL SERVICEABLE EQUIPMENT, AS SPECIFIED AND AS SHOWN HEREIN.
- U. PROVIDE ALL NEW COUNTERFLASHINGS, TERMINATION BARS, METAL PENETRATION FLASHINGS AS SHOWN ON DETAILS HEREIN, AND OF A TYPE AND MATERIAL AS REQUIRED BY ROOFING MEMBRANE MANUFACTURER FOR REQUIRED 20 YEAR WARRANTY.
- V. CONTRACTOR SHALL CLEAN JOB SITE DAILY AND SWEEP GROUNDS WITH A MAGNET IN ORDER TO PICK UP ALL NAILS, SCREWS, AND OTHER METALLIC OBJECTS.



**1 SCOPE PLAN**  
 A-100 SCALE: 1/16" = 1'-0"



PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT

PHASE 1

BID#2017-703

A ROOF REPLACEMENT AT

GREGG COUNTY COURTHOUSE

101 EAST METHVIN

Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-100 SCOPE PLAN
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE:	SCOPE PLAN
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SHEET NO. **A-100**



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 NOT FOR CONSTRUCTION

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PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT  
 PHASE 1  
 BID#2017-703  
 A ROOF REPLACEMENT AT  
 GREGG COUNTY COURTHOUSE  
 101 EAST METHVIN  
 Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-100 ROOF PLAN
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

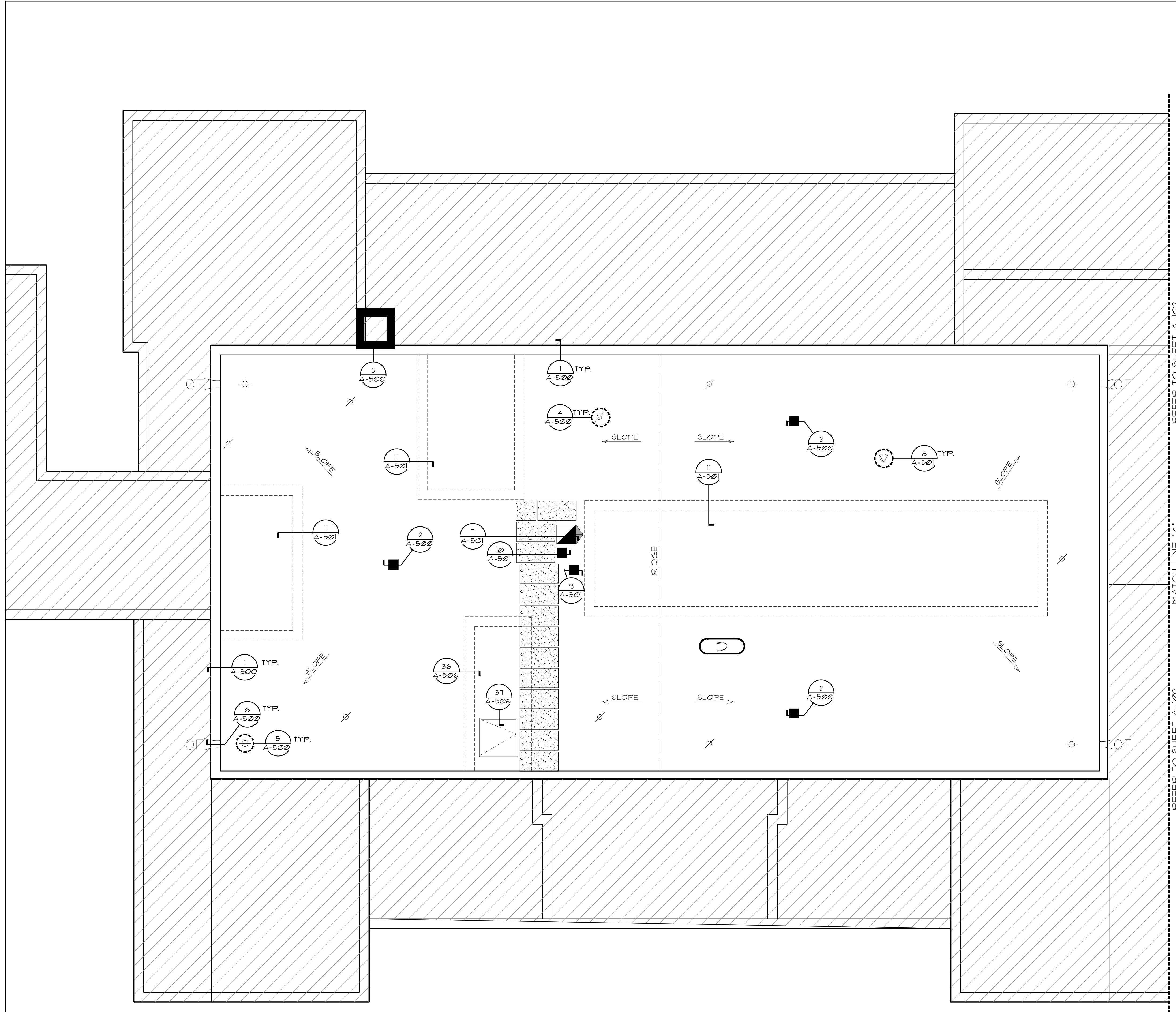
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**ROOF PLAN**  
 AREAS: D & D1

SHEET NO. **A-101**

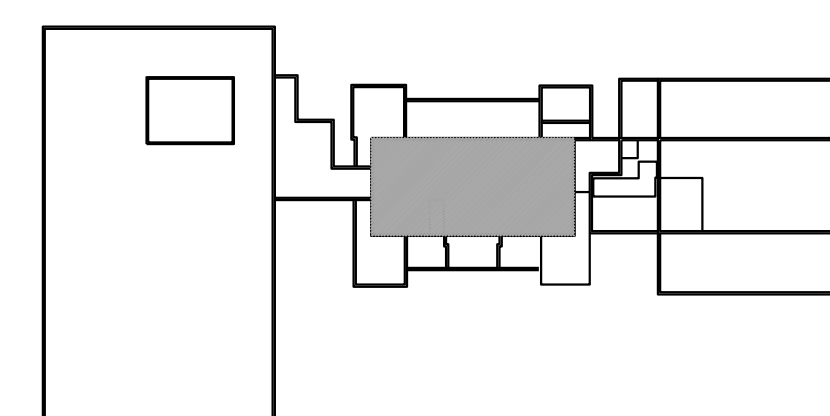
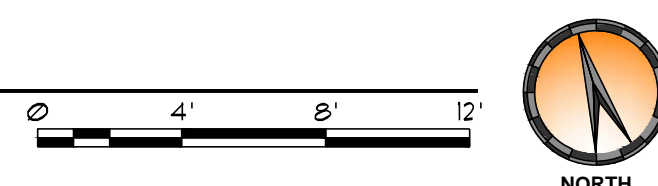
LEGEND	
	OVERFLOW SCUPPER
	HVAC UNIT
	CHIMNEY
	ROOF LADDER
	PITCH PAN
	ROOF HATCH
	SPLASHBLOCK
	METAL ROOF
	ROOF DRAIN
	WASTE STACK
	ROOF VENT
	SLOPE
	WALK PAD
	ROOF AREA - ID
	NOT IN CONTRACT
	DETAIL TAG
	DETAIL NUMBER
	DETAIL SHEET *

**GENERAL PROJECT NOTES:**

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**1 PARTIAL ROOF PLAN**  
 A-101 SCALE: 3/16" = 1'-0"



**1 KEY PLAN**  
 A-101 SCALE: N.T.S.





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PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT  
PHASE 1

BID#2017-703

A ROOF REPLACEMENT AT

GREGG COUNTY COURTHOUSE

101 EAST METHVIN

Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-100 ROOF PLAN
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

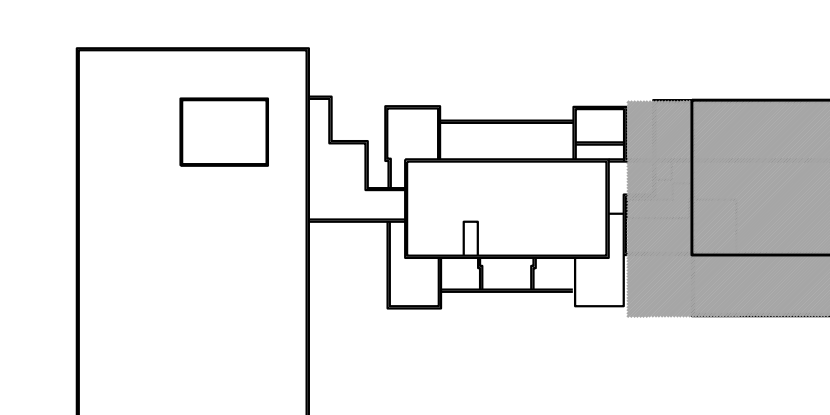
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ROOF PLAN  
AREAS: N, N1, N2, O, P, Q, R & S

SHEET NO.  
**A-102**

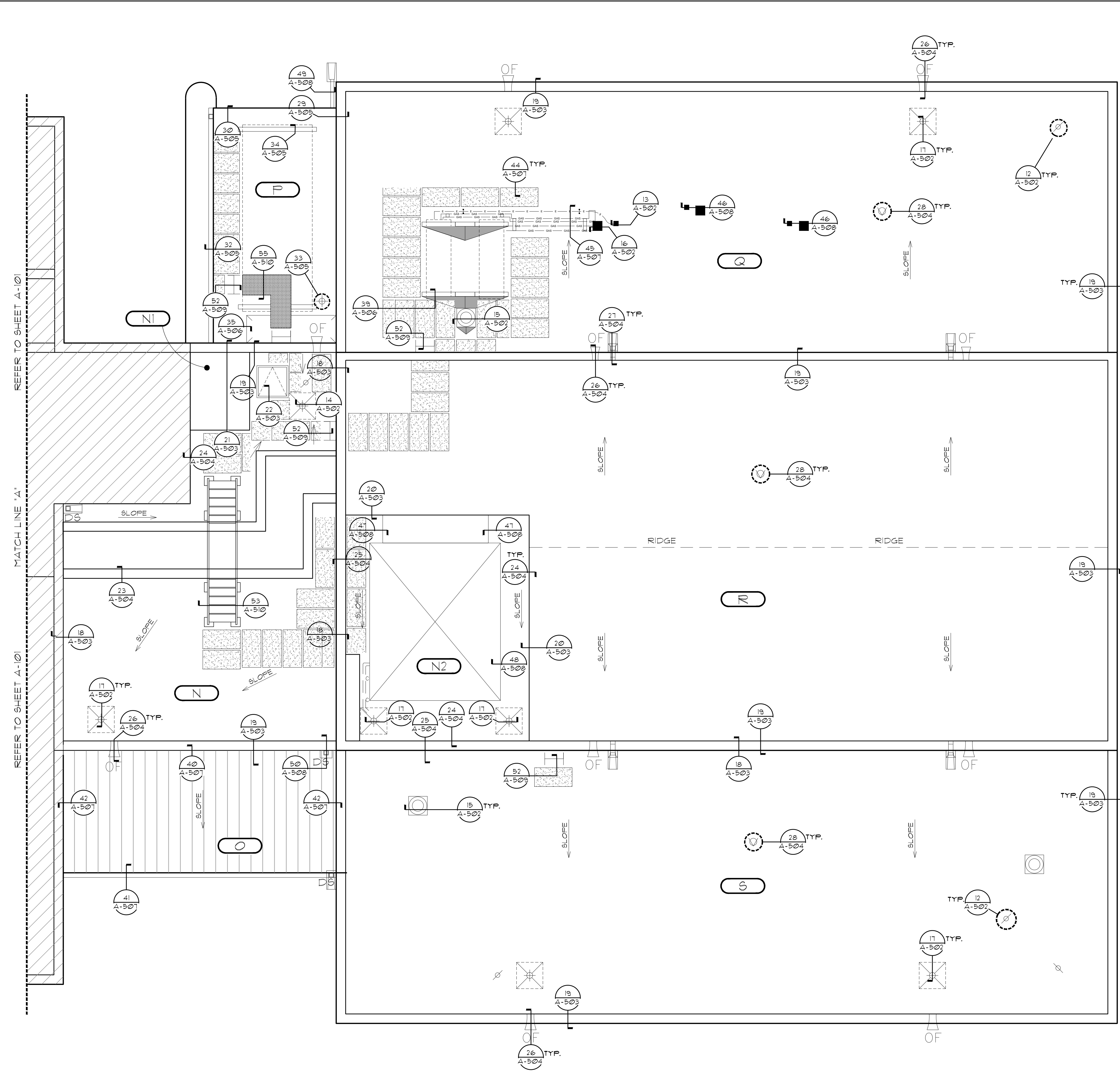
LEGEND	
	GUTTER DOWNSPOUT
	NEW OVERFLOW SCUPPER
	HVAC UNIT
	EQUIPMENT ON SLEEPERS
	EQUIPMENT CURB
	DUCT PENETRATION
	POWERED VENT
	ROOF DRAIN
	ROOF HATCH
	SPLASHBLOCK
	CRICKET
	METAL ROOF
	ROOF LADDER
	PITCH PAN
	ROOF VENT
	VENT STACK
	SLOPE
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	GAS LINE
	ELECTRIC CONDUIT
	PIPE SUPPORT
	WALK PAD
	ROOF AREA - ID
	NOT IN CONTRACT
	DETAIL TAG
	DETAIL NUMBER
	DETAIL SHEET *

**GENERAL PROJECT NOTES:**

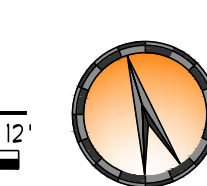
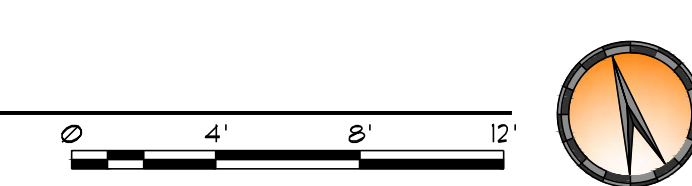
- A. PROVIDE BUILDING PERMIT FROM CITY OF LONGVIEW, TX.
- B. ALL DIMENSIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY.
- C. FURNISH OWNER WITH 2 YEAR CONTRACTOR WARRANTY ON ALL WORK PERFORMED.
- D. CONTRACTOR SHALL COORDINATE WORK EFFORTS TO COMPLETE THE WORK WITHIN THE CONTRACT PERIOD. WORK SHALL BE STAGED AND COORDINATED SUCH THAT WORK PROGRESS SHALL NOT REQUIRE MATERIAL OR FOOT TRAFFIC TO TRAVERSE DIRECTLY OVER NEWLY INSTALLED ROOFING. CONTRACTOR SHALL STAGE EQUIPMENT AND MATERIALS IN OWNER DESIGNATED AREAS ONLY.
- E. INSTALL NEW LIGHTWEIGHT INSULATING CONCRETE AS SHOWN INCLUDING CRICKETS WHERE SHOWN WITH POSITIVE SLOPE FOR DRAINAGE ON THE UPHILL SIDE OF ALL CURBS 2 FEET OR GREATER. CRICKET SLOPE TO BE 2X FINISHED ROOF SLOPE.
- F. ABSOLUTELY NO FONDING WATER (AS DEFINED BY NRCA) WILL BE ALLOWED.
- G. CONTRACTOR SHALL BE RESPONSIBLE FOR HER/HIS CONSTRUCTION MEANS AND METHODS. CONTRACTOR IS SOLELY RESPONSIBLE FOR HER/HIS SAFETY MEASURES TO PROTECT EMPLOYEES, PATRONS, VISITORS, ETC. WORK SHALL BE PROTECTED FROM AND NOT INTERFERE WITH OWNERS DAILY OPERATIONS UNLESS COORDINATED WITH SUCH.
- H. CONTRACTOR SHALL WALK SITE PRIOR TO COMMENCEMENT OF ANY WORK AND PROVIDE PHOTOGRAPHIC DOCUMENTATION OF EXISTING CONDITIONS. CONTRACTOR SHALL VERIFY WORKING CONDITION OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT. PROVIDE WRITTEN DOCUMENTATION OF CONDITION TO OWNER PRIOR TO COMMENCEMENT OF WORK.
- I. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE DAMAGE TO ANY BUILDING, SITE COMPONENT, OR ADJACENT PROPERTY CAUSED BY CONSTRUCTION TO THE SATISFACTION OF THE OWNER.
- J. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, LOCAL OR OTHER APPLICABLE REGULATORY AGENCY BUILDING CODES, LAWS, RULES AND REGULATIONS. WORK DETAILED ON THESE PLANS SHALL BE COMPLETED ACCORDING TO THE PROJECT DOCUMENTS. IF CONFLICT ARISES BETWEEN CODE AND PROJECT DOCUMENTS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE A/E FOR CLARIFICATION.
- K. CONTRACTOR SHALL PROVIDE AND MAINTAIN A PROJECT SIGN WITH EMERGENCY CONTACT PHONE NUMBERS.
- L. WHERE DETAILS ARE NOT SHOWN, CONTRACTOR SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. IN THE ABSENCE OF SPECIFICATIONS COVERING THE INSTALLATION OF A PRODUCT, THE CONTRACTOR SHALL CONFORM TO THE LATEST EDITION OF THE MANUFACTURER'S WRITTEN SPECIFICATIONS AND REQUIREMENTS.
- M. ALL WORK PERFORMED BY THE CONTRACTOR AND HER/HIS SUBCONTRACTORS SHALL CONFORM TO THE PROJECT DOCUMENTS. ANY WORK DEEMED DEFECTIVE OR UNACCEPTABLE BY THE OWNER OR A/E SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- N. SOME STRUCTURAL, MECHANICAL, MASONRY, ELECTRICAL, AND PLUMBING MODIFICATIONS MAY BE REQUIRED. CONTRACTOR SHALL PROVIDE LICENSED SUB-CONTRACTOR TO PERFORM SAID WORK.
- O. ALL GAS PIPING AND ELECTRICAL CONDUIT ROUTING/CONNECTION TO ROOF TOP UNITS SHALL COMPLY WITH CURRENT MECHANICAL AND ELECTRICAL CODE REQUIREMENTS AS REQUIRED. (INCLUDING FLEX CONDUIT CONNECTIONS TO ROOF TOP UNITS)
- P. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY, RECEIVING, AND PROPER STORAGE OF MATERIALS AND EQUIPMENT AT THE SITE. CONTRACTOR SHALL INSPECT EQUIPMENT AND MATERIALS REJECTING ANY DAMAGED OR DEFECTIVE MATERIALS OR EQUIPMENT. MATERIALS DEEMED DEFECTIVE OR UNACCEPTABLE BY THE A/E SHALL BE REMOVED FROM THE SITE WITHIN TWENTY-FOUR (24) HOURS.
- Q. ALL ROOFING MATERIAL SHOWN SHALL BE CONSIDERED NEW PRODUCT UNLESS NOTED OTHERWISE.
- R. PROVIDE ALL NEW FLASHINGS OF A TYPE AND MATERIAL AS REQUIRED BY ROOFING MEMBRANE MANUFACTURER FOR REQUIRED 20 YEAR WARRANTY.
- S. ALL BASE FLASHING HEIGHTS MUST MEET A MINIMUM 8 INCHES HEIGHT. SOME CURBS, METAL SIDING, COUNTERFLASHING AND EQUIPMENT MAY NEED TO BE RAISED TO ALLOW FOR A MINIMUM 8 INCH BASE FLASHING HEIGHT. CONTRACTOR TO REMOVE AND STORE EQUIPMENT FOR REINSTALLATION AS NECESSARY. CONTRACTOR WILL RAISE CURBS, EXTEND DUCTWORK, AND EXTEND PIPES AS NECESSARY TO PROVIDE 8 INCH MINIMUM BASE FLASHING.
- T. INSTALL NEW WALKPADS WHERE REQUIRED, AND AT ALL ACCESS POINTS, PATHWAYS, AND AROUND ALL SERVICEABLE EQUIPMENT, AS SPECIFIED AND AS SHOWN HEREIN.
- U. PROVIDE ALL NEW COUNTERFLASHINGS, TERMINATION BARS, METAL PENETRATION FLASHINGS AS SHOWN ON DETAILS HEREIN, AND OF A TYPE AND MATERIAL AS REQUIRED BY ROOFING MEMBRANE MANUFACTURER FOR REQUIRED 20 YEAR WARRANTY.
- V. CONTRACTOR SHALL CLEAN JOB SITE DAILY AND SWEEP GROUNDS WITH A MAGNET IN ORDER TO PICK UP ALL NAILS, SCREWS, AND OTHER METALLIC OBJECTS.



2 KEY PLAN  
A-102 SCALE: N.T.S.



1 PARTIAL ROOF PLAN  
A-102 SCALE: 3/16" = 1'-0"



REFER TO SHEET A-101

MATCH LINE 'A'

REFER TO SHEET A-101



**ISSUED FOR BIDDING**

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PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT

PHASE 1

BID#2017-703

A ROOF REPLACEMENT AT

GREGG COUNTY COURTHOUSE

101 EAST METHVIN

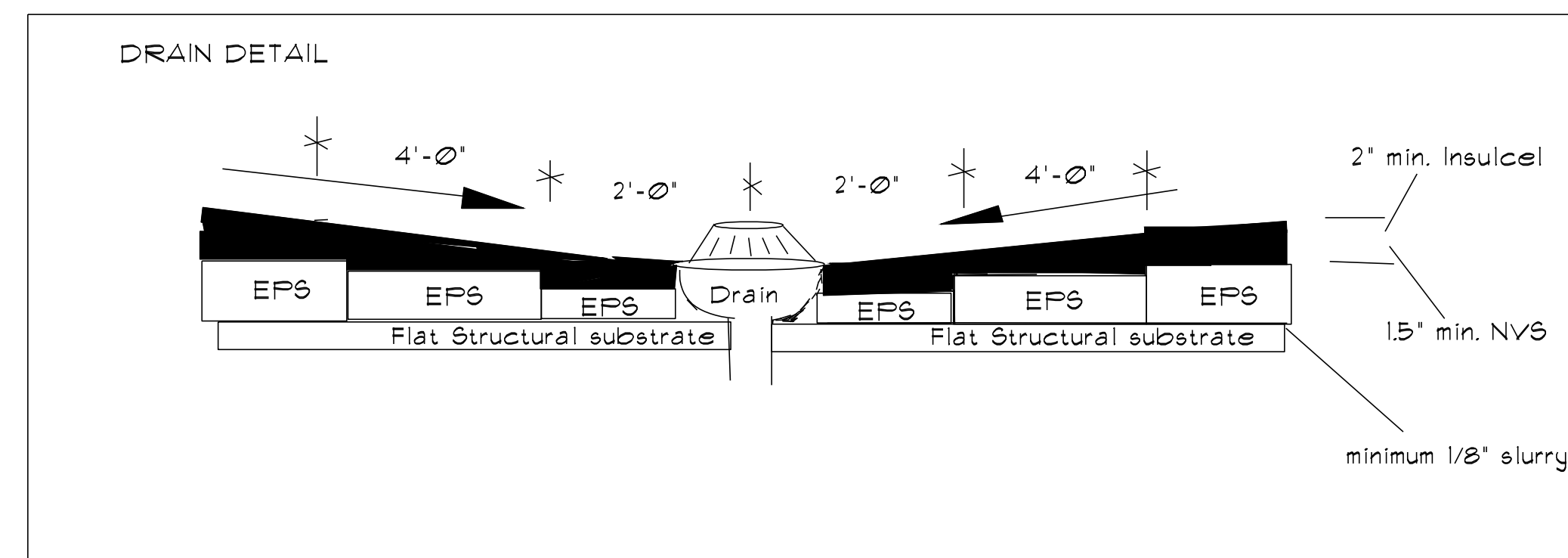
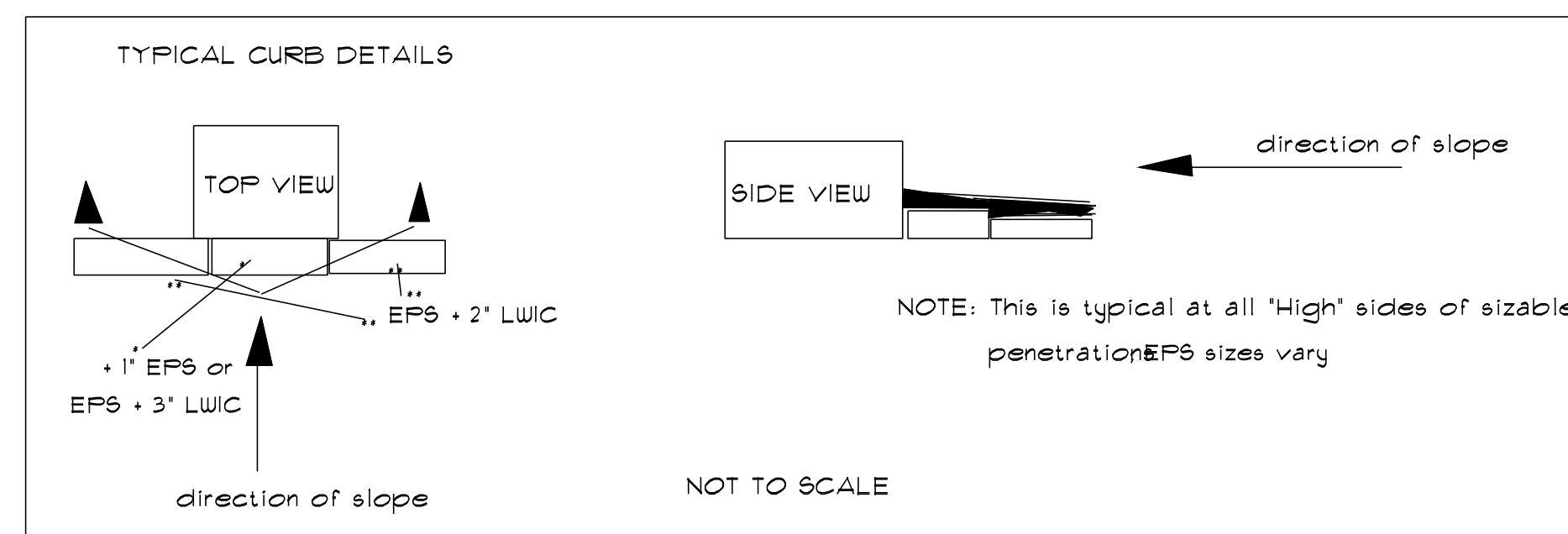
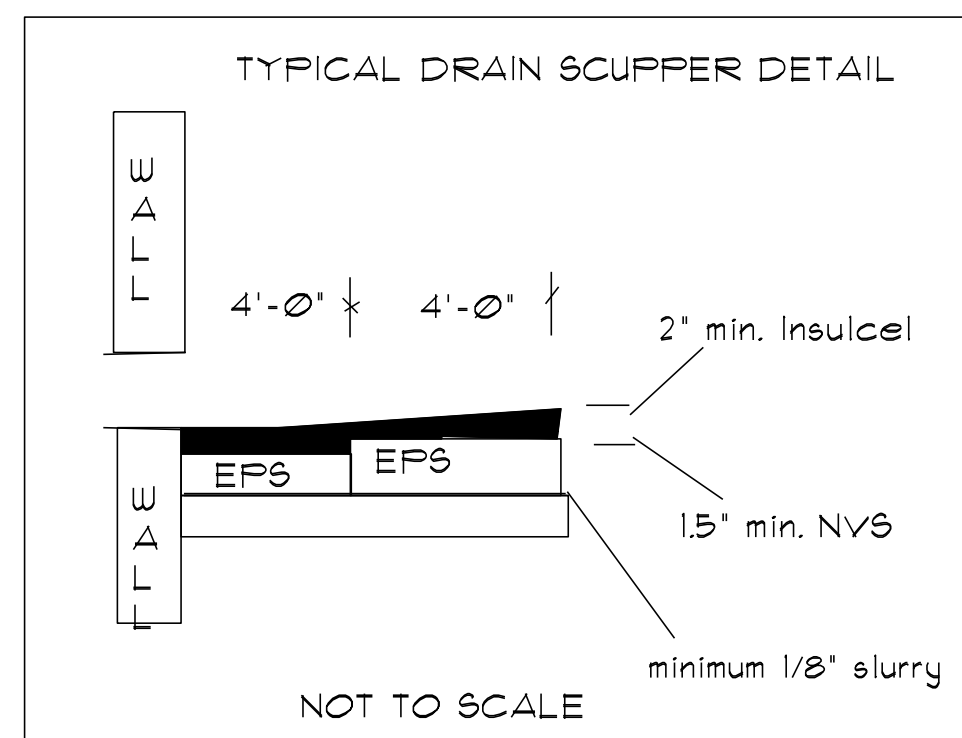
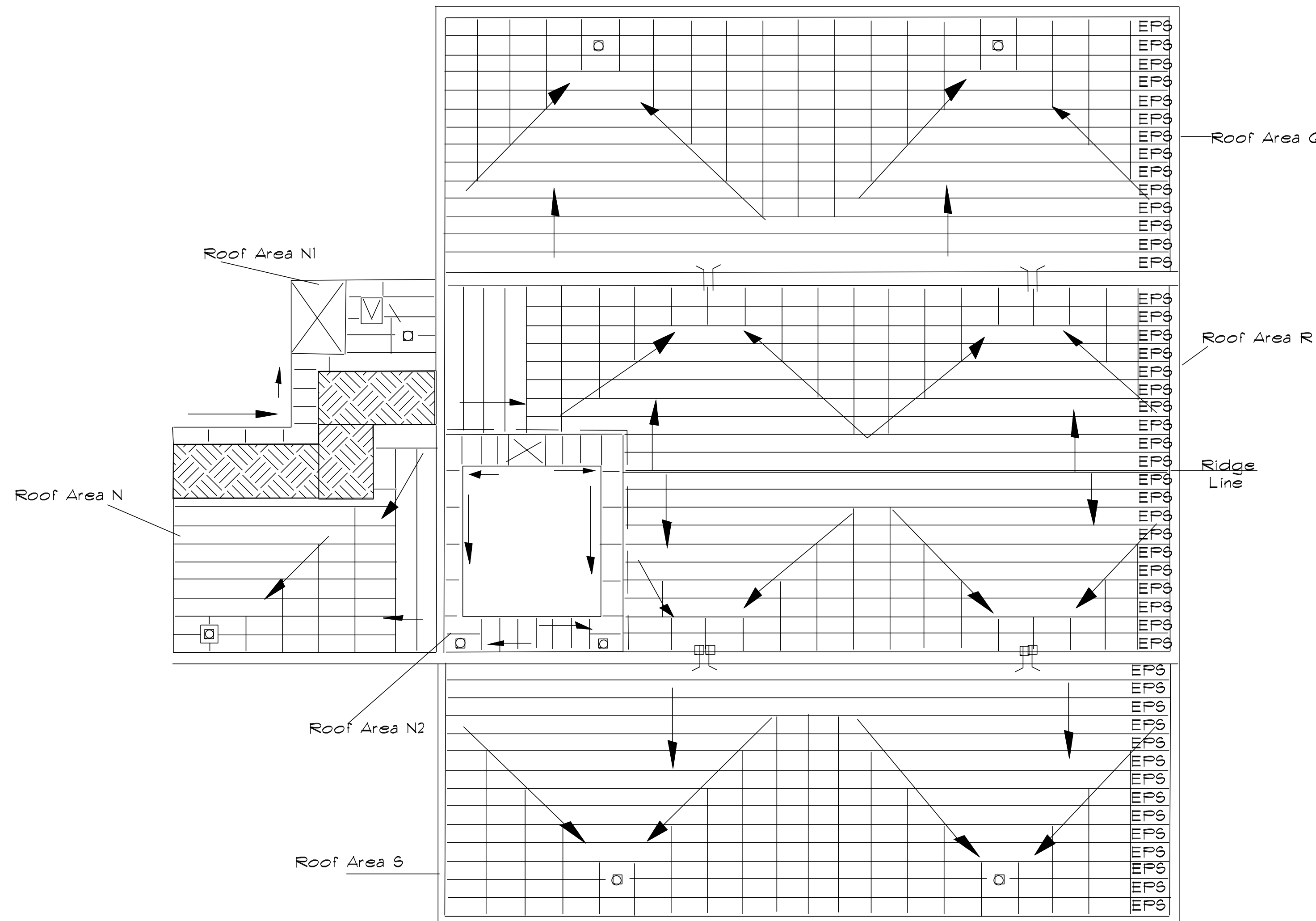
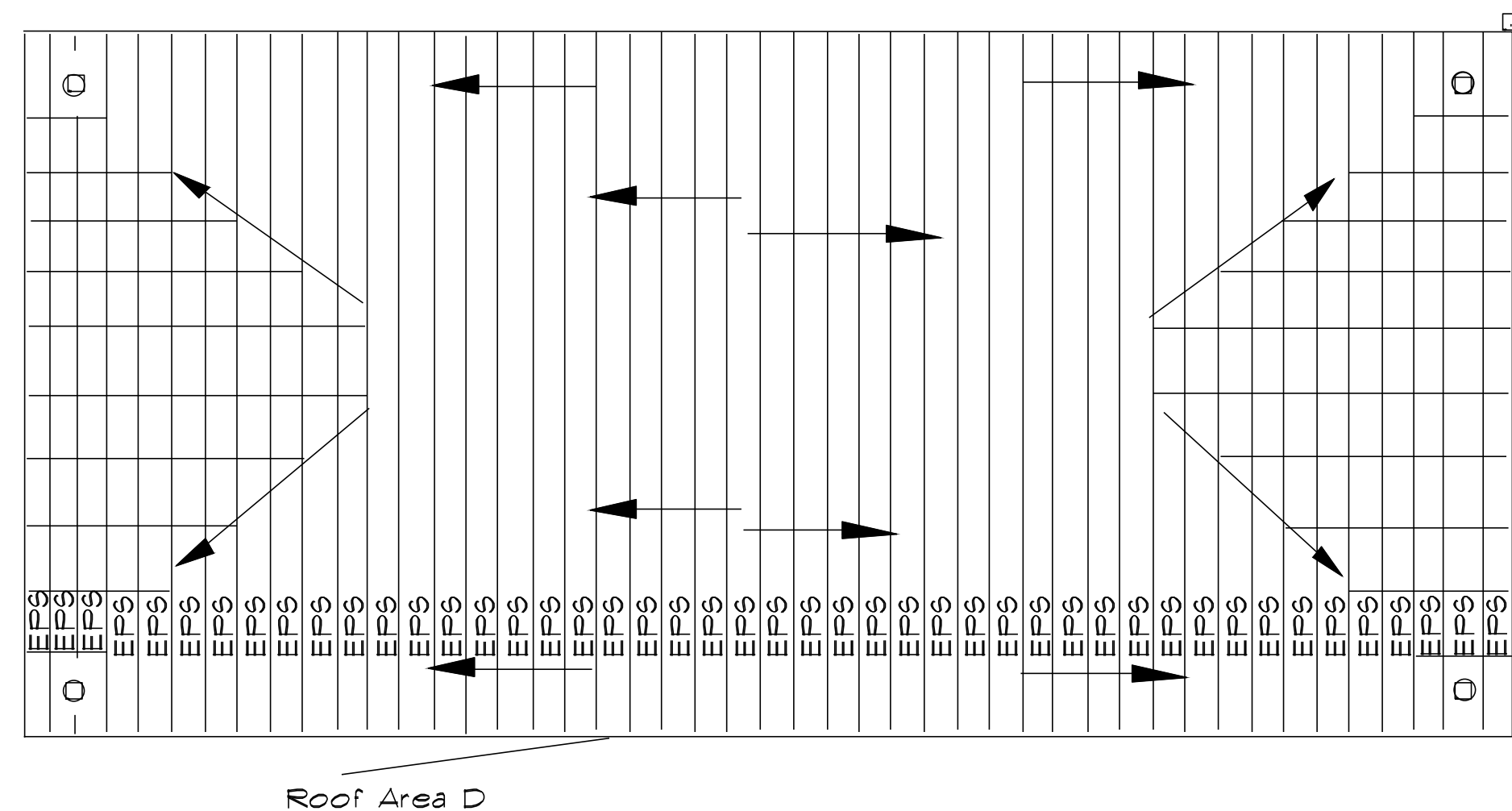
Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	SP-100 LWC POUR PLAN
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE:  
LWC POUR LAYOUT PLAN

SHEET NO.  
**SP-100**



NOTE: THIS DRAINAGE PLAN IS BASED ON SIPLAST INSULCEL CELLULAR CONCRETE OR THEIR NVS AGGREGATE LIGHTWEIGHT INSULATING CONCRETE SYSTEMS.

BOTH SYSTEMS WILL USE SIPLAST INSULPERM EXPANDED POLYSTYRENE INSULATION BOARD FOR 1/8" SLOPE & MINIMUM R-25. THE EPS INSULATION THICKNESS WILL REMAIN THE SAME, BUT THE TOPPING THICKNESS WILL BE A 2" MINIMUM THICKNESS FOR THE INSULCEL CELLULAR AND 1.5" MINIMUM FOR THE MINIMUM THICKNESS FOR THE NVS AGGREGATE SYSTEM.

GENERAL NOTES: NUMBERS IN BOX-LIKE OBJECTS INDICATE THE THICKNESS OF THE INSULPERM EPS INSULATION ONLY NOT THE TOPPING. TOPPING THICKNESS WILL BE DETERMINED BY WHICH SIPLAST LWC SYSTEM USED. EPS INSULATION BOARDS ARE 2' X 4' WITH THICKNESSES SHOWN ON DRAWING.

DRAINS ARE SHOWN AS: ○ DRAIN SCUPPERS ARE SHOWN AS: ††

SLOPE DIRECTION IS SHOWN AS: →

NOT ALL ROOF PENETRATIONS ARE SHOWN. THOSE NOT SHOWN WILL HAVE A CRICKET/WATER DIVERSION PLACED ON THE HIGH-SIDE OF THE DOWNWARD SLOPE USING ADDED THICKNESS OF LWC OR EPS INSULATION.

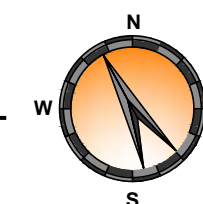
FIELD ADJUSTMENTS MAY BE REQUIRED TO COMPENSATE FOR DIMENSIONAL CHANGES, FLASHING HEIGHTS, ...ETC.

INSTALLATION INSTRUCTIONS: PLACE FROM 1/8" TO 1/4" OF LWC SLURRY PRIOR TO PLACING/EMBEDDING INSULPERM EPS INSULATION. PLACE EPS INSULATION USING THICKNESSES & IN ORDER SHOWN ON DRAWINGS.

ALLOW A BOND TO OCCUR BETWEEN THE EPS & THE ROOF DECK SUBSTRATE PRIOR TO PLACING THE LWC TOPPING. THIS WILL PREVENT THE EPS INSULATION FROM "FLOATING". THE NVS SYSTEM REQUIRES TOPPING WITHIN 4 HOURS. THE INSULCEL CELLULAR VARIES, DEPENDENT UPON THE WEATHER, & HOURS TO OVERNITE (OVERNITE IS BEST).

PLACE A MINIMUM THICKNESS OF (1.5" NVS & 2" INSULCEL CELLULAR) OVER THE TOP OF THE EMBEDDED EPS INSULATION. FINISH USING A STRAIGHTEDGE AND/OR FLOAT TO PROVIDE MINIMUM THICKNESS AND A SMOOTH SURFACE ACCEPTABLE FOR THE ROOFING SYSTEM.

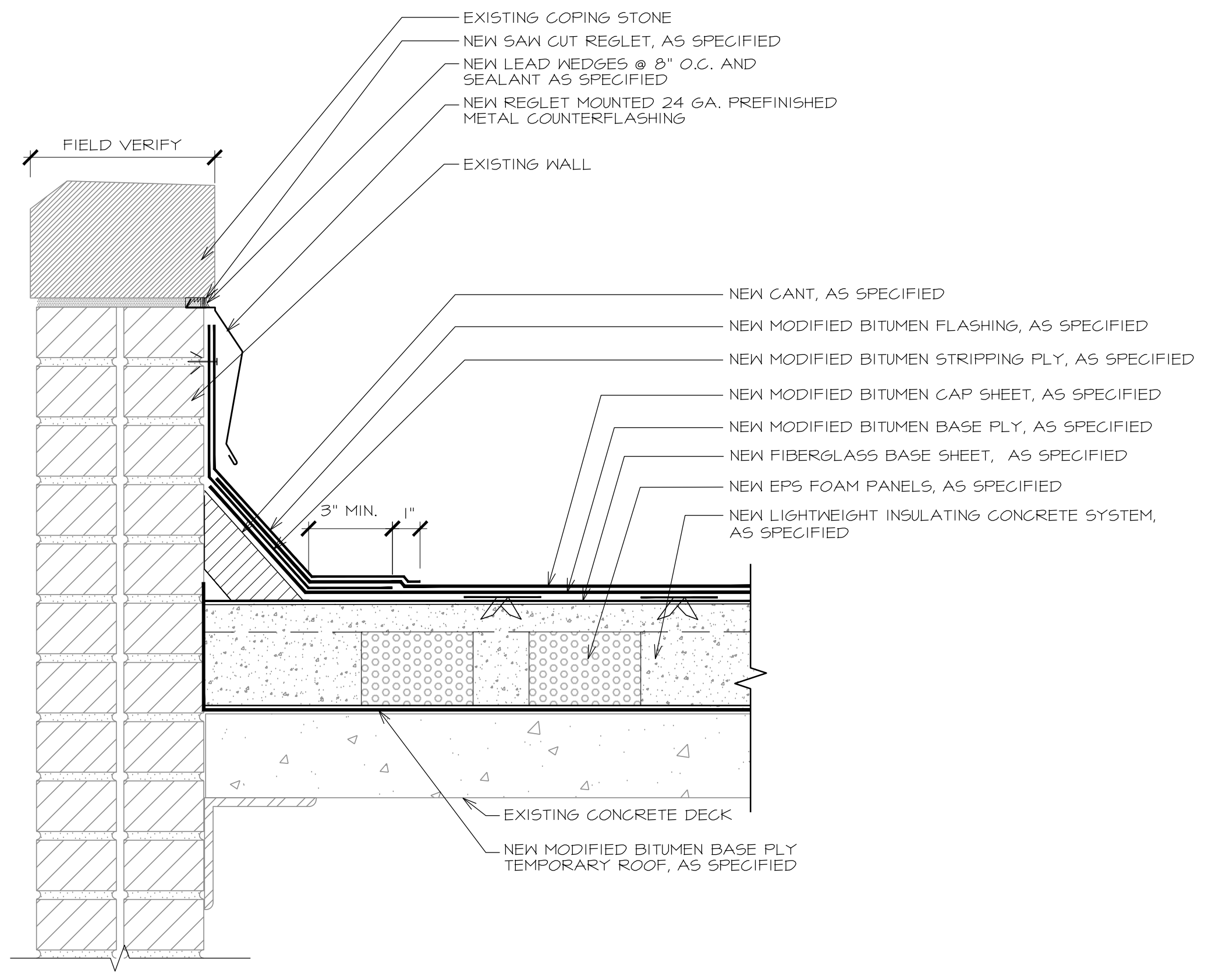
KEEP ALL NON-ESSENTIAL FOOT TRAFFIC OFF THE POURED TOPPING UNTIL IT CAN SUPPORT FOOT TRAFFIC WITHOUT INDENTATION. SCRAPE ANY SURFACE IRREGULARITIES AND REMOVE DEBRIS. IF NEEDED, ANY REPAIR BE PERFORMED USING MANUFACTURER'S RECOMMENDED MATERIALS & PROCEDURES.



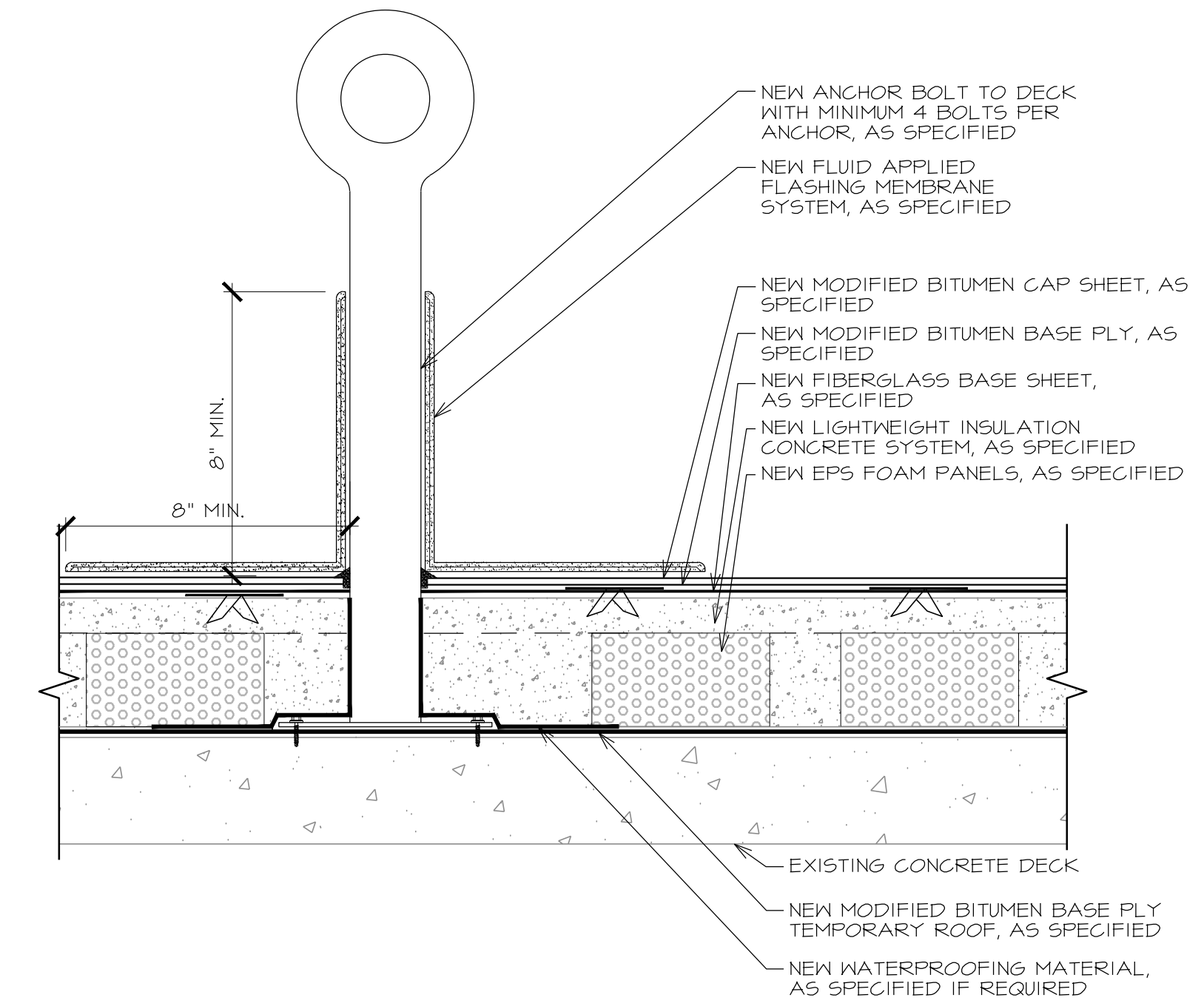


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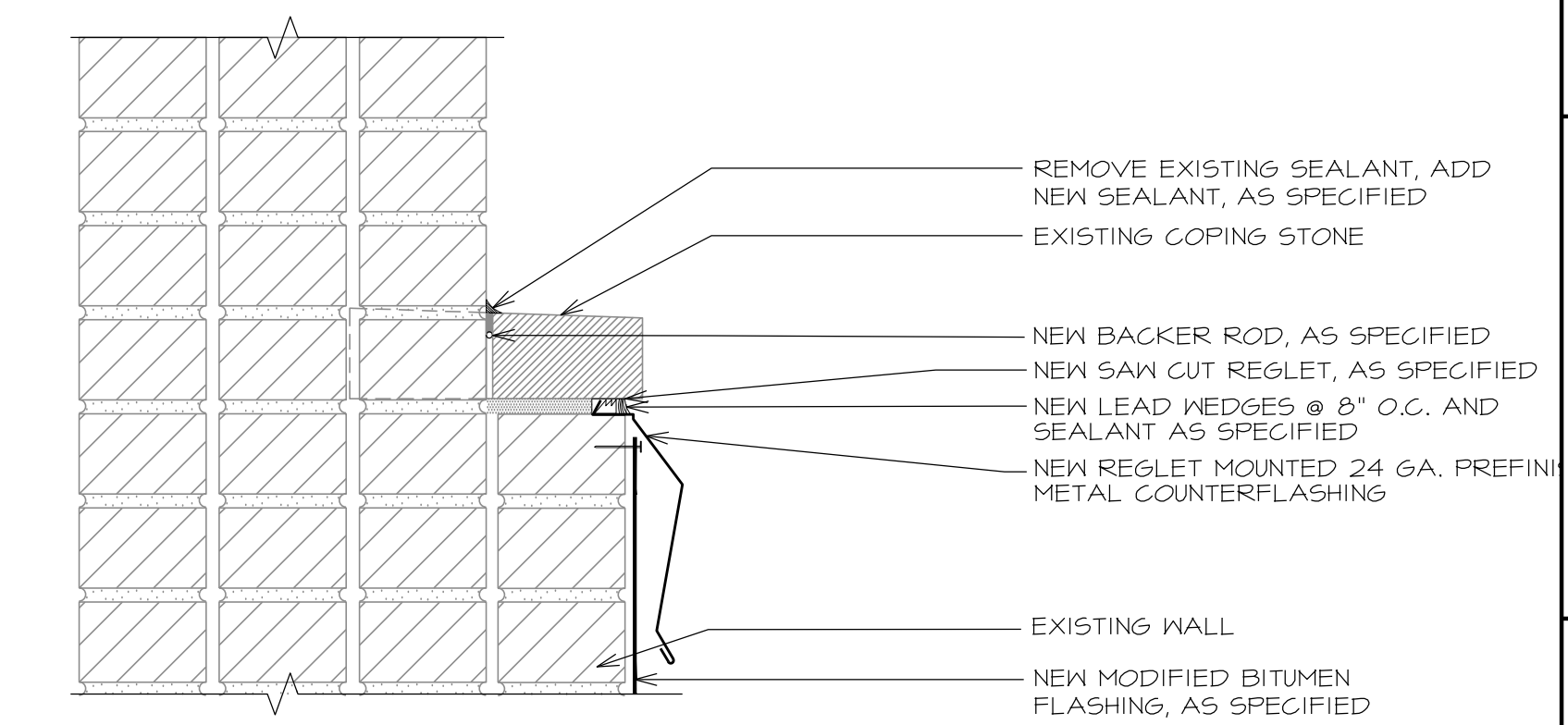
THESE DOCUMENTS ARE FOR BIDDING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION.



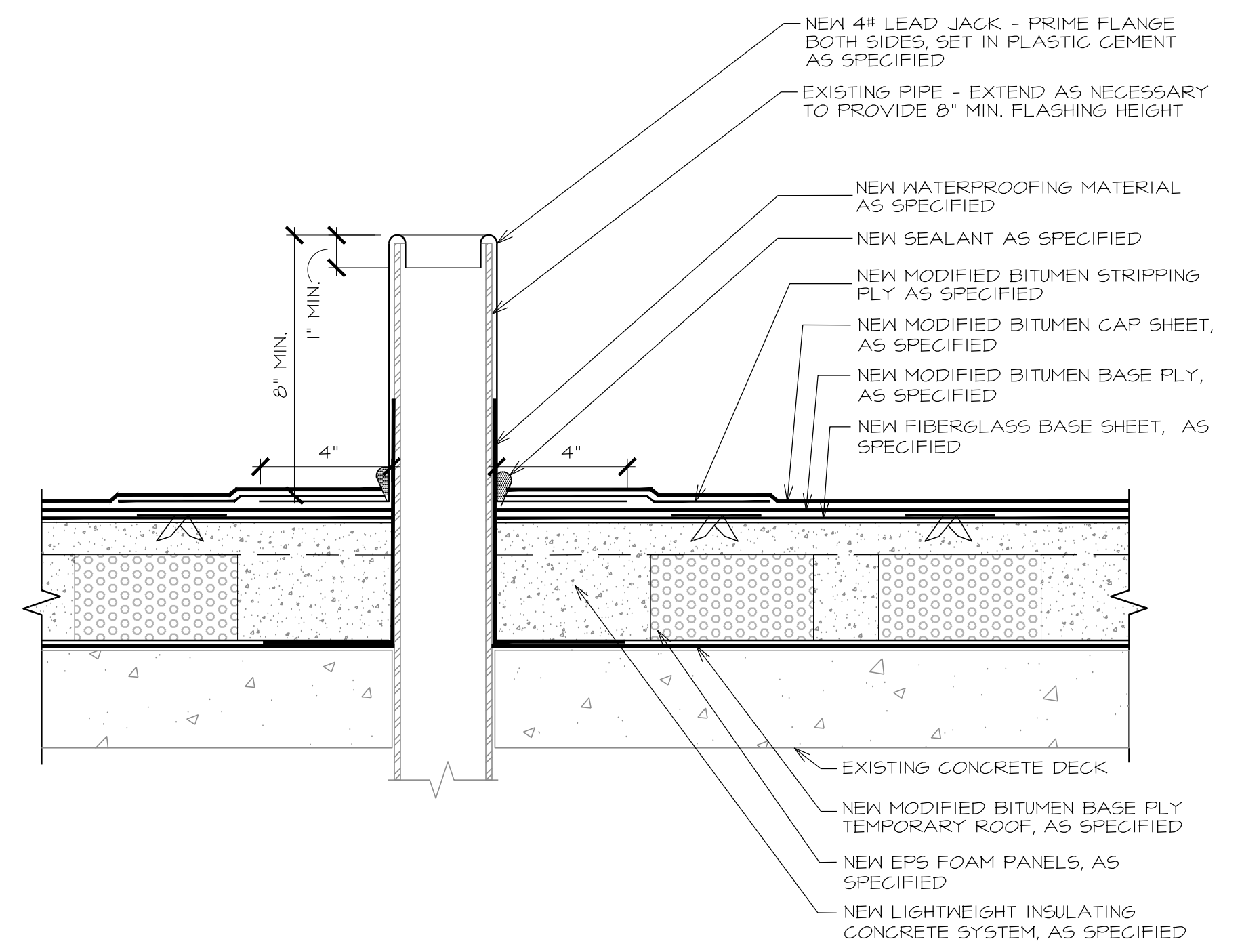
**1 PARAPET**  
 A-500 SCALE: 3" = 1'-0"



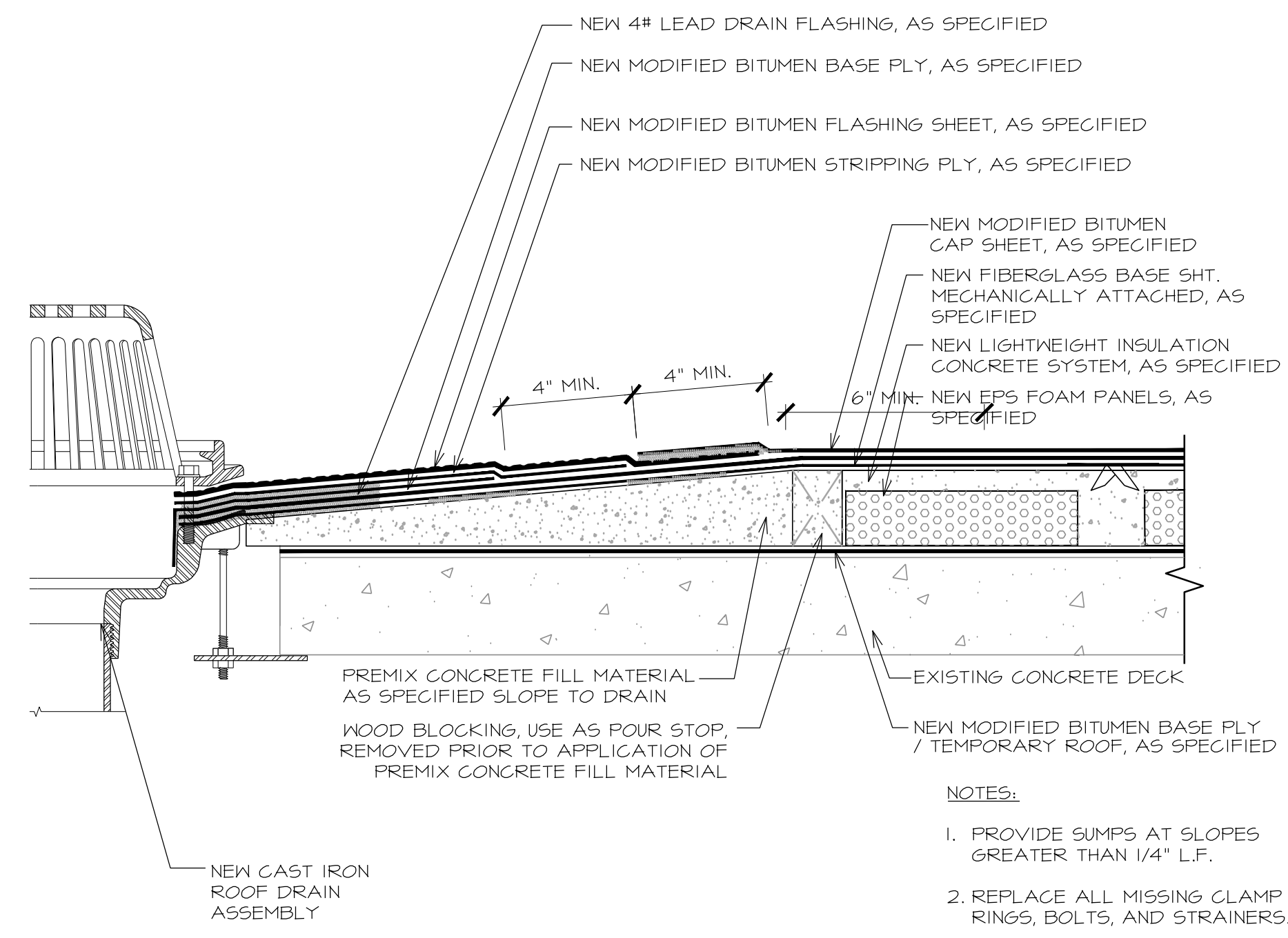
**2 GUY WIRE ANCHOR DETAIL**  
 A-500 SCALE: 3" = 1'-0"



**3 PARAPET / CHIMNEY**  
 A-500 SCALE: 3" = 1'-0"

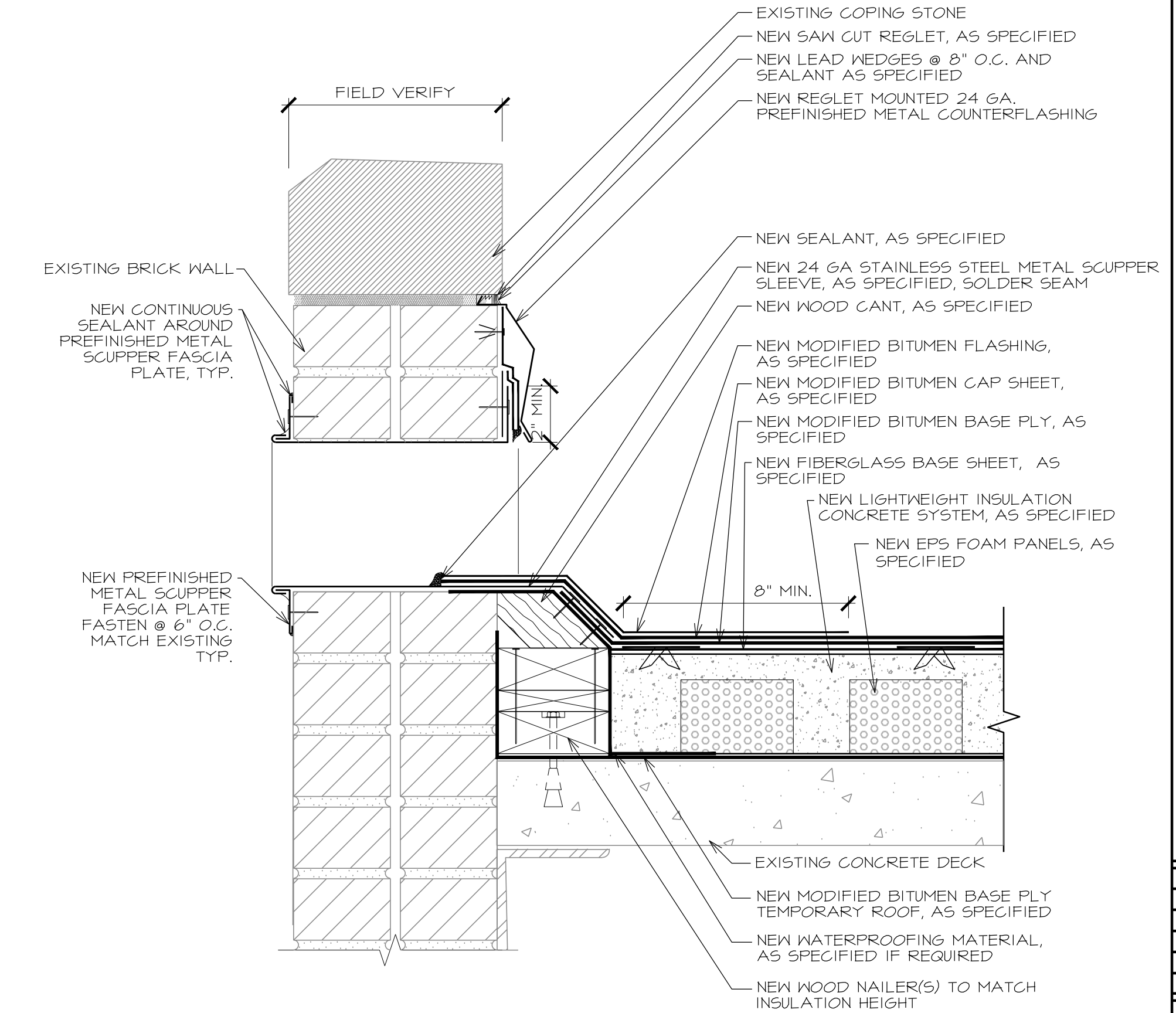


**4 WASTE STACK**  
 A-500 SCALE: 3" = 1'-0"



**5 SUMPED ROOF DRAIN**  
 A-500 SCALE: 3" = 1'-0"

- NOTES:**
1. PROVIDE SUMPS AT SLOPES GREATER THAN 1/4" L.F.
  2. REPLACE ALL MISSING CLAMP RINGS, BOLTS, AND STRAINERS.
  3. PAINT ALL DRAIN STRAINERS
  4. REMOVE CONCRETE STOP BLOCKING PRIOR TO FINAL LIGHTWEIGHT CONCRETE POUR



**6 THRU-WALL OVERFLOW SCUPPER (NEW)**  
 A-500 SCALE: 3" = 1'-0"

PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT

PHASE 1  
 BID#2017-703  
 A ROOF REPLACEMENT AT  
 GREGG COUNTY COURTHOUSE  
 101 EAST METHVIN  
 Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

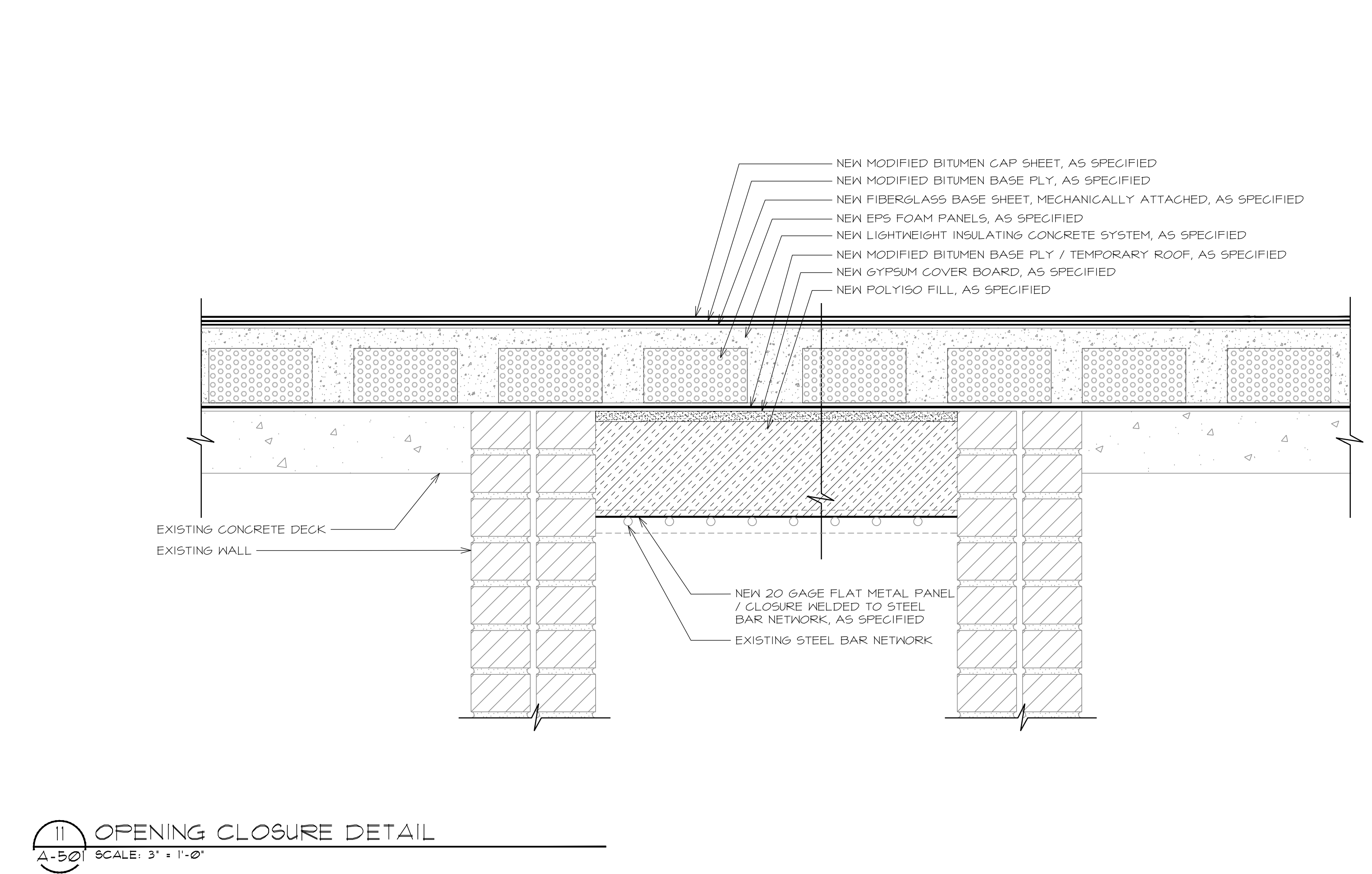
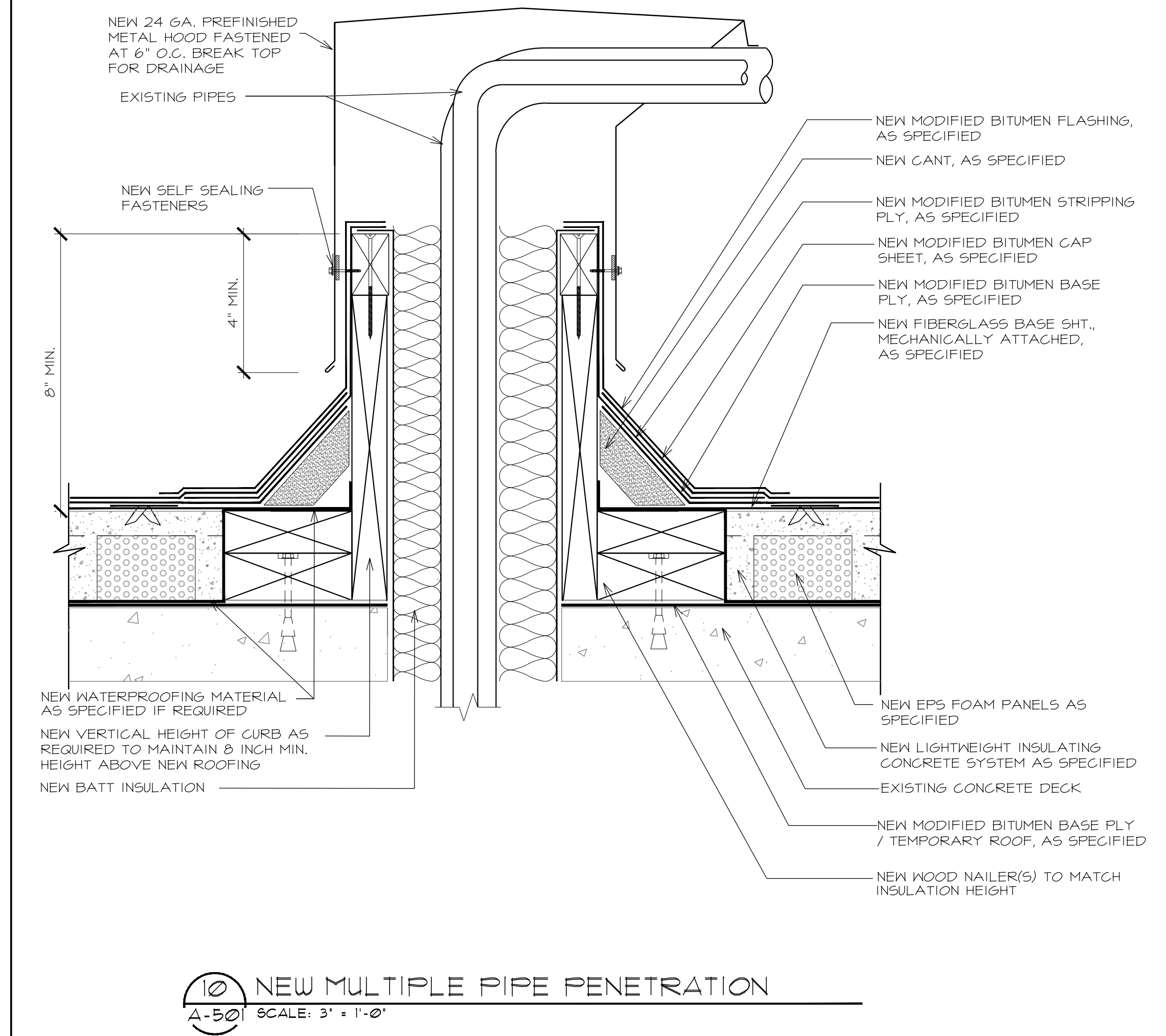
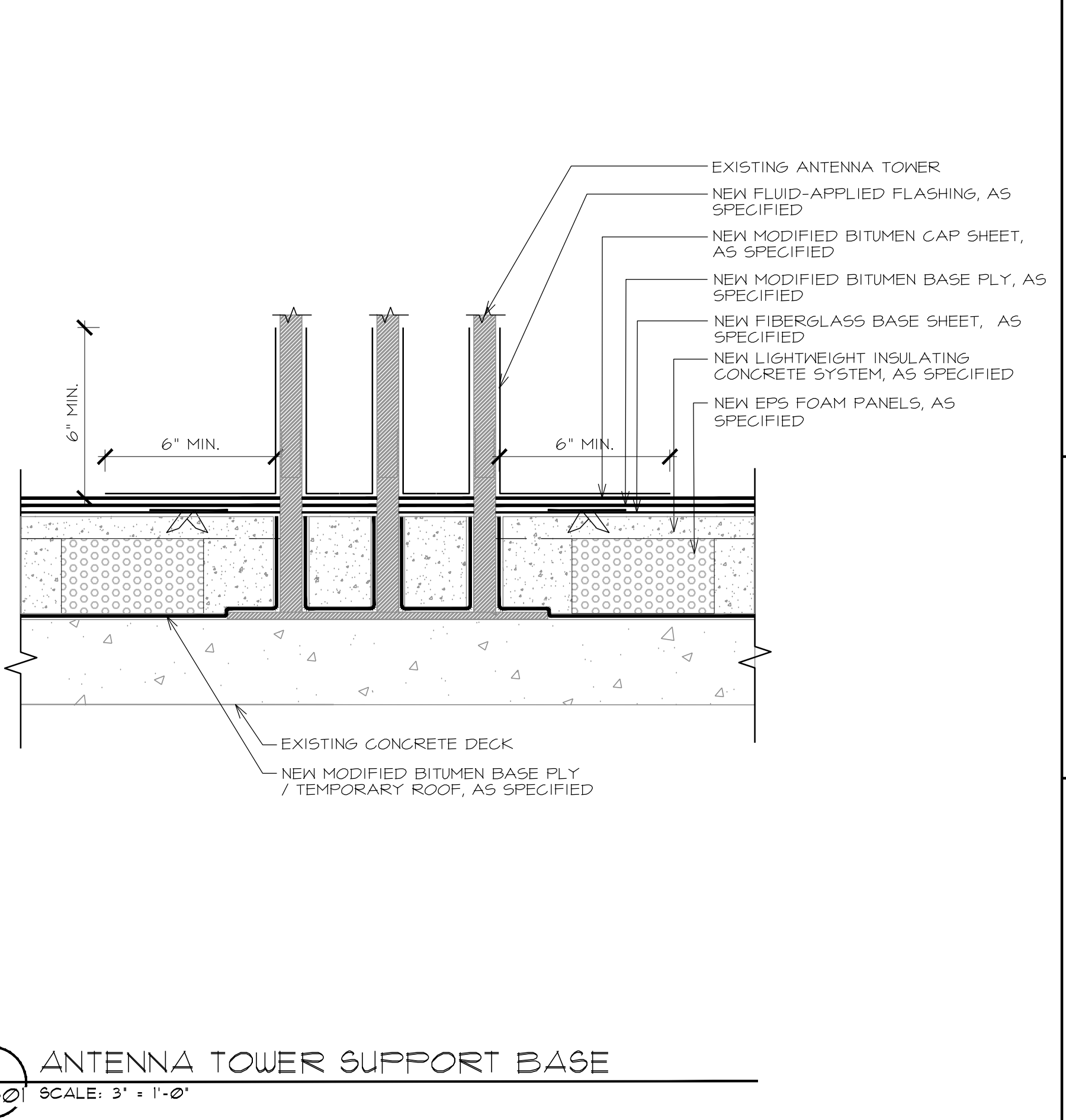
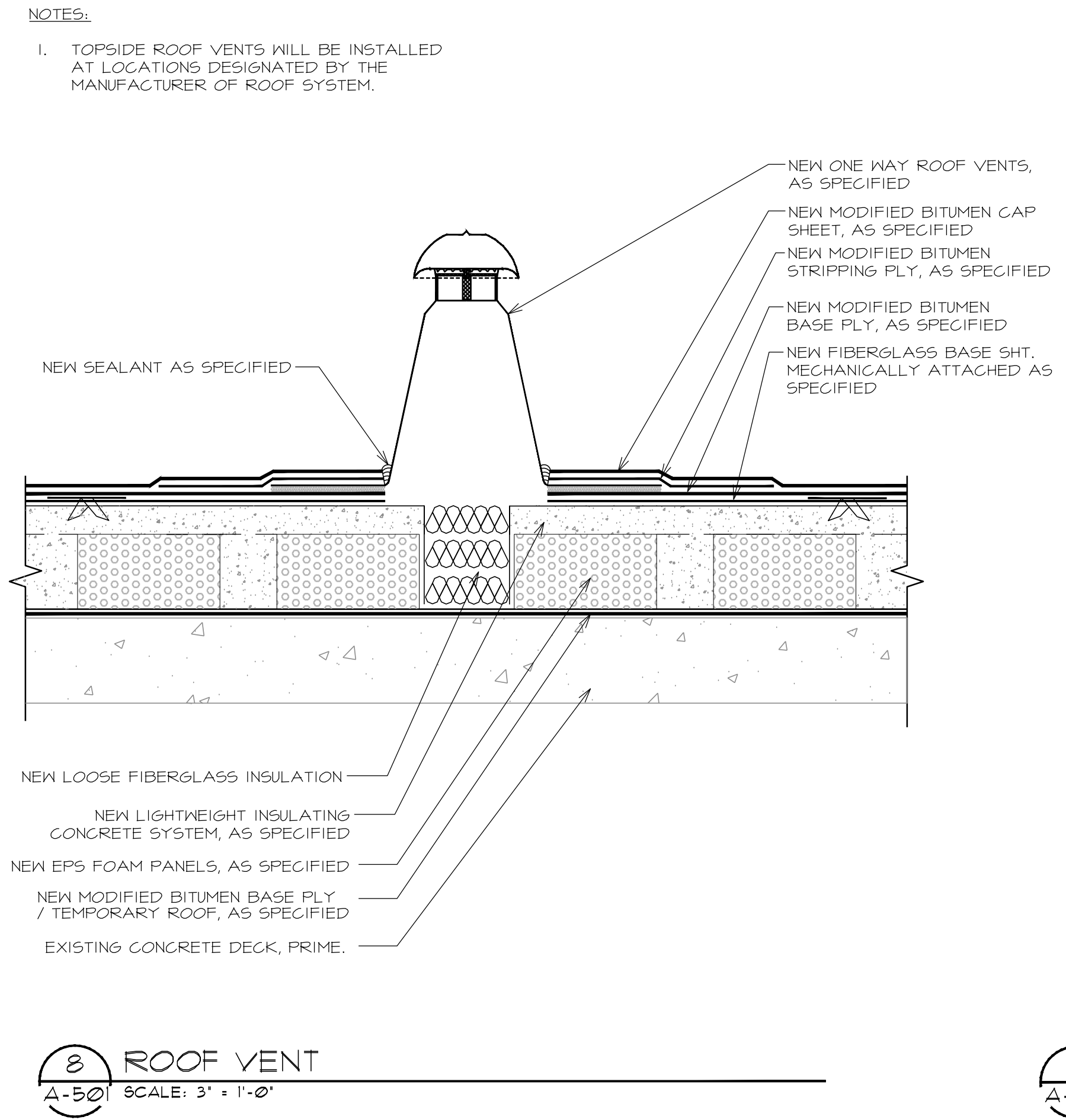
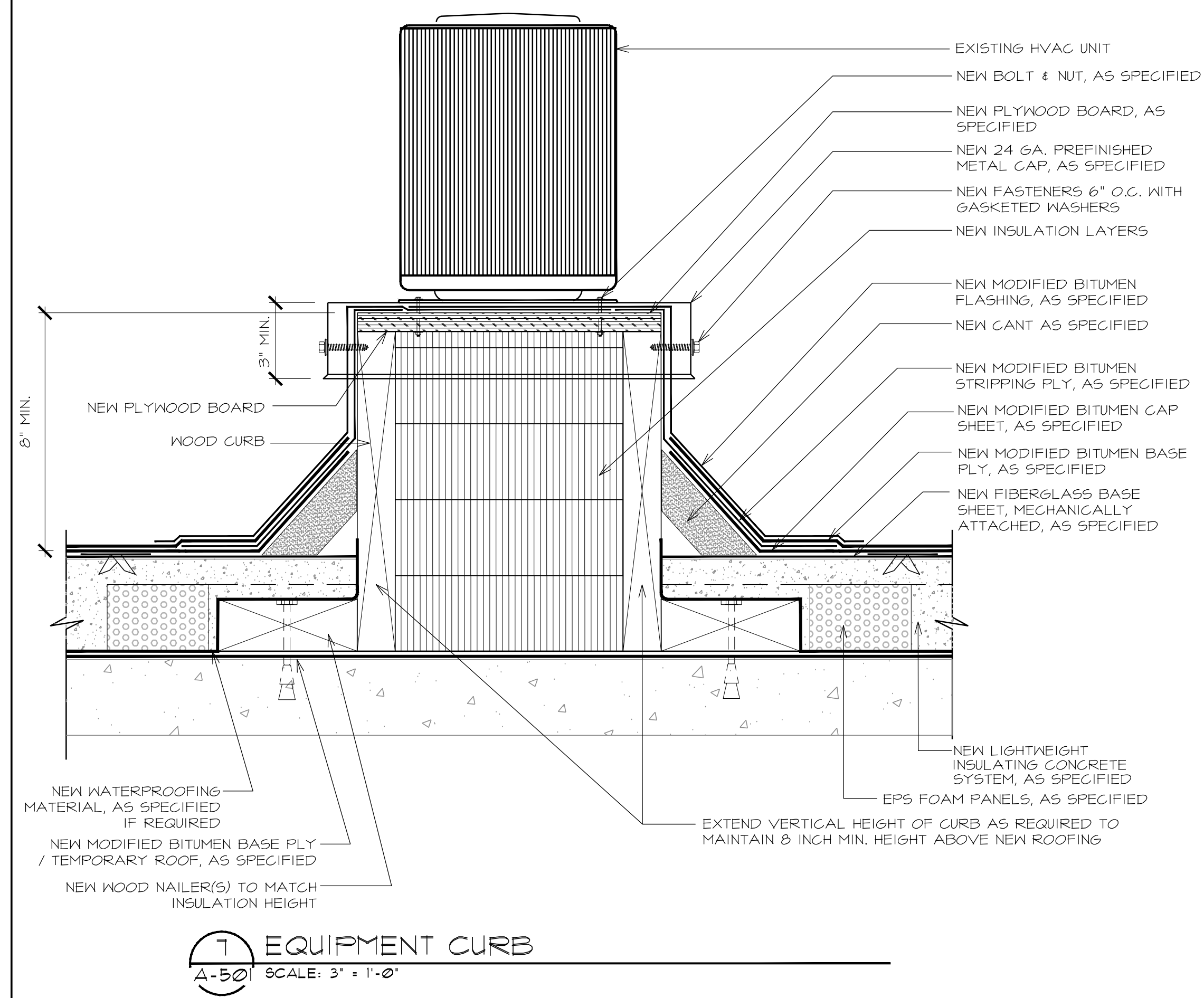
SHEET TITLE: DETAILS

SHEET NO. **A-500**



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PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT

PHASE 1  
 BID#2017-703  
 A ROOF REPLACEMENT AT  
 GREGG COUNTY COURTHOUSE  
 101 EAST METHVIN  
 Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

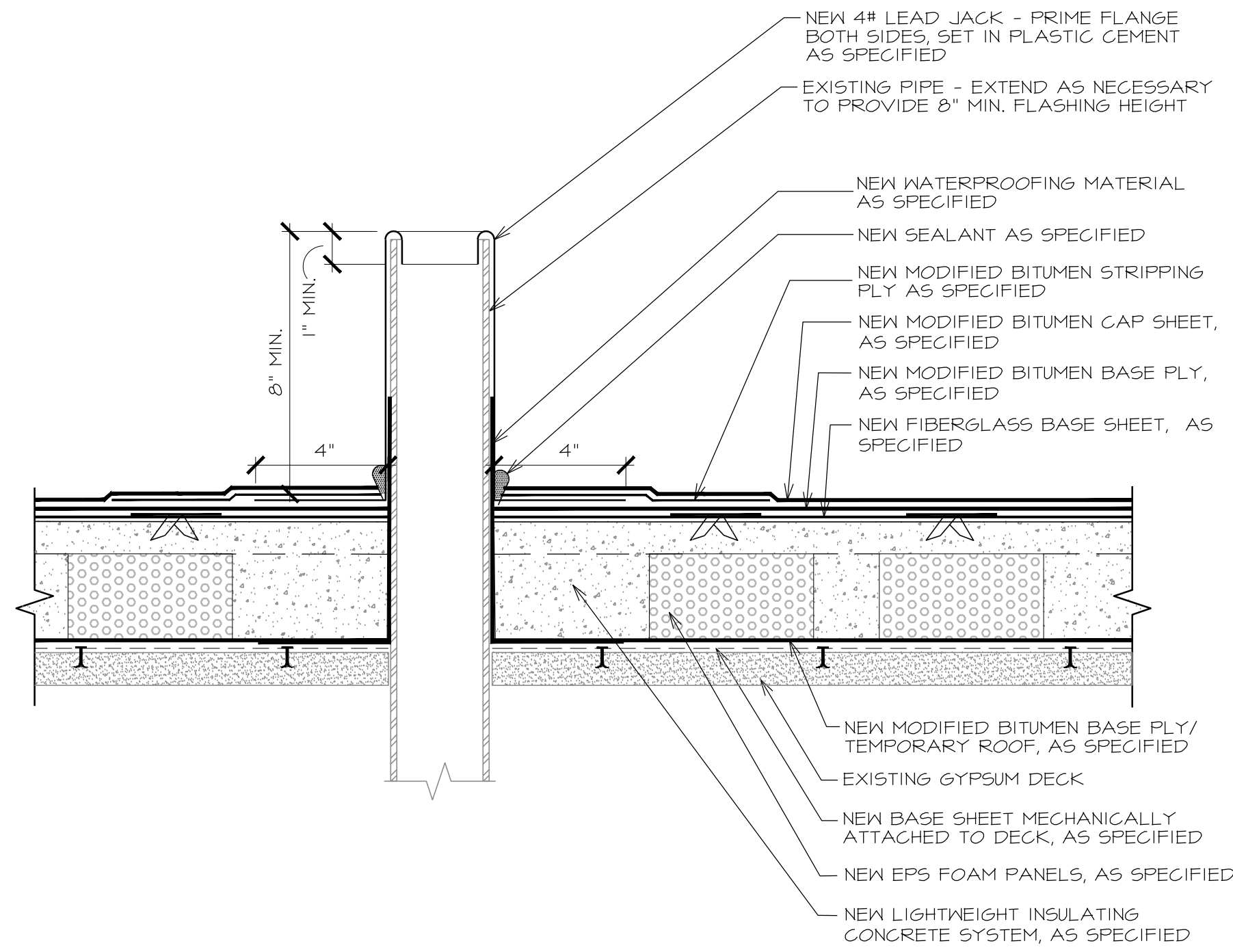
PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A
SHEET TITLE:	DETAILS

SHEET NO. **A-501**

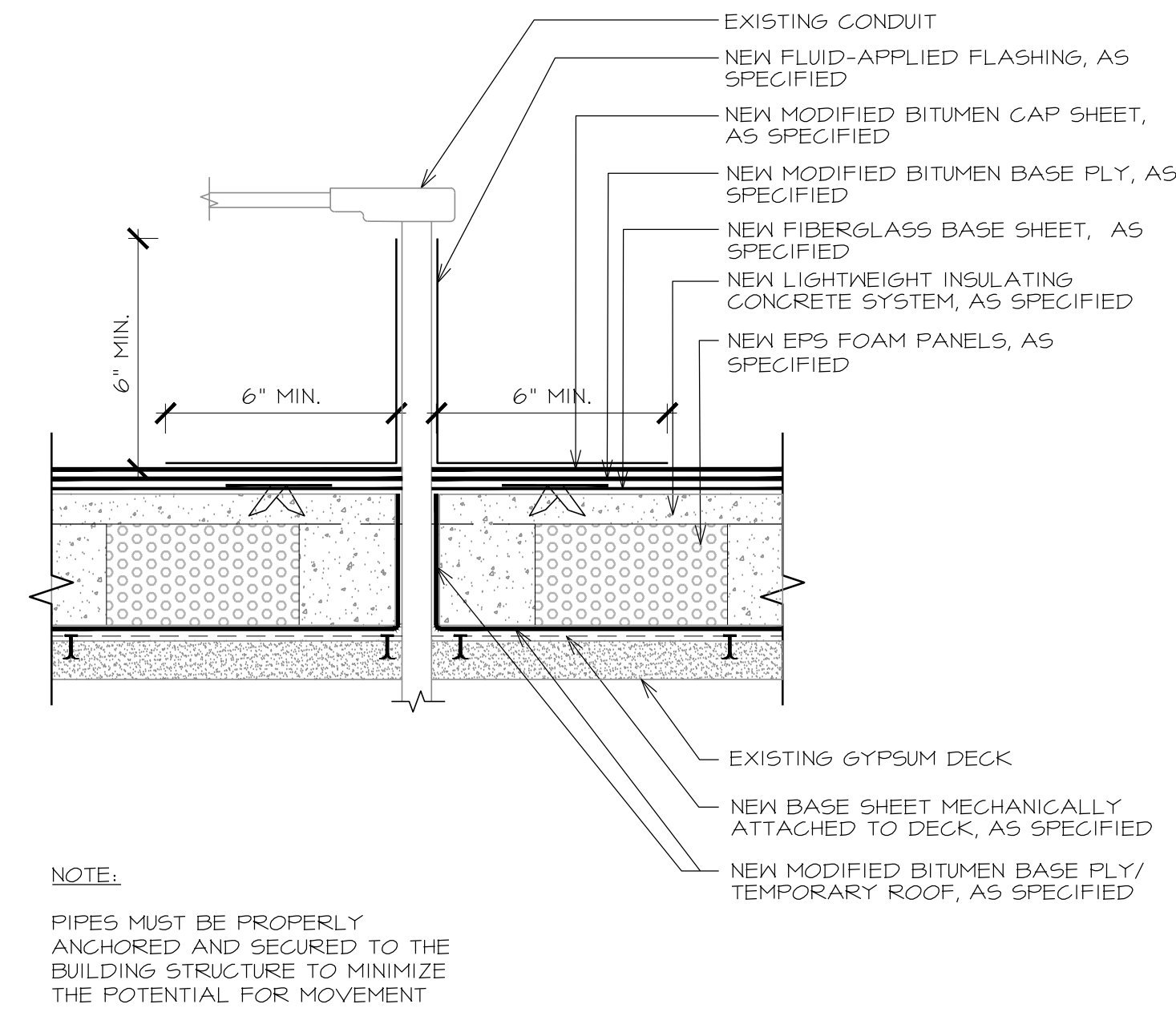


**ISSUED FOR BIDDING**

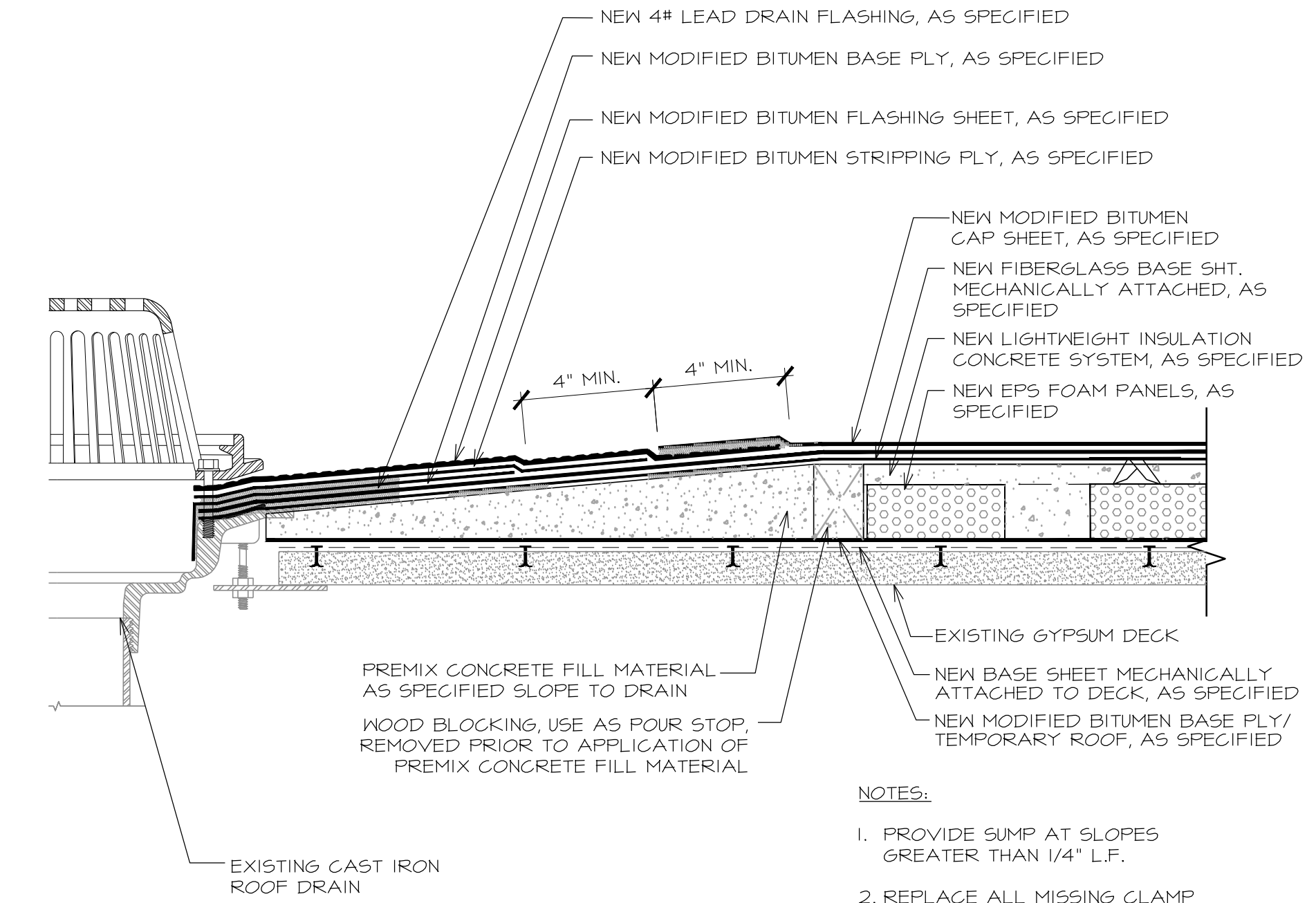
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**12 WASTE STACK**  
 A-502 SCALE: 3' = 1'-0"

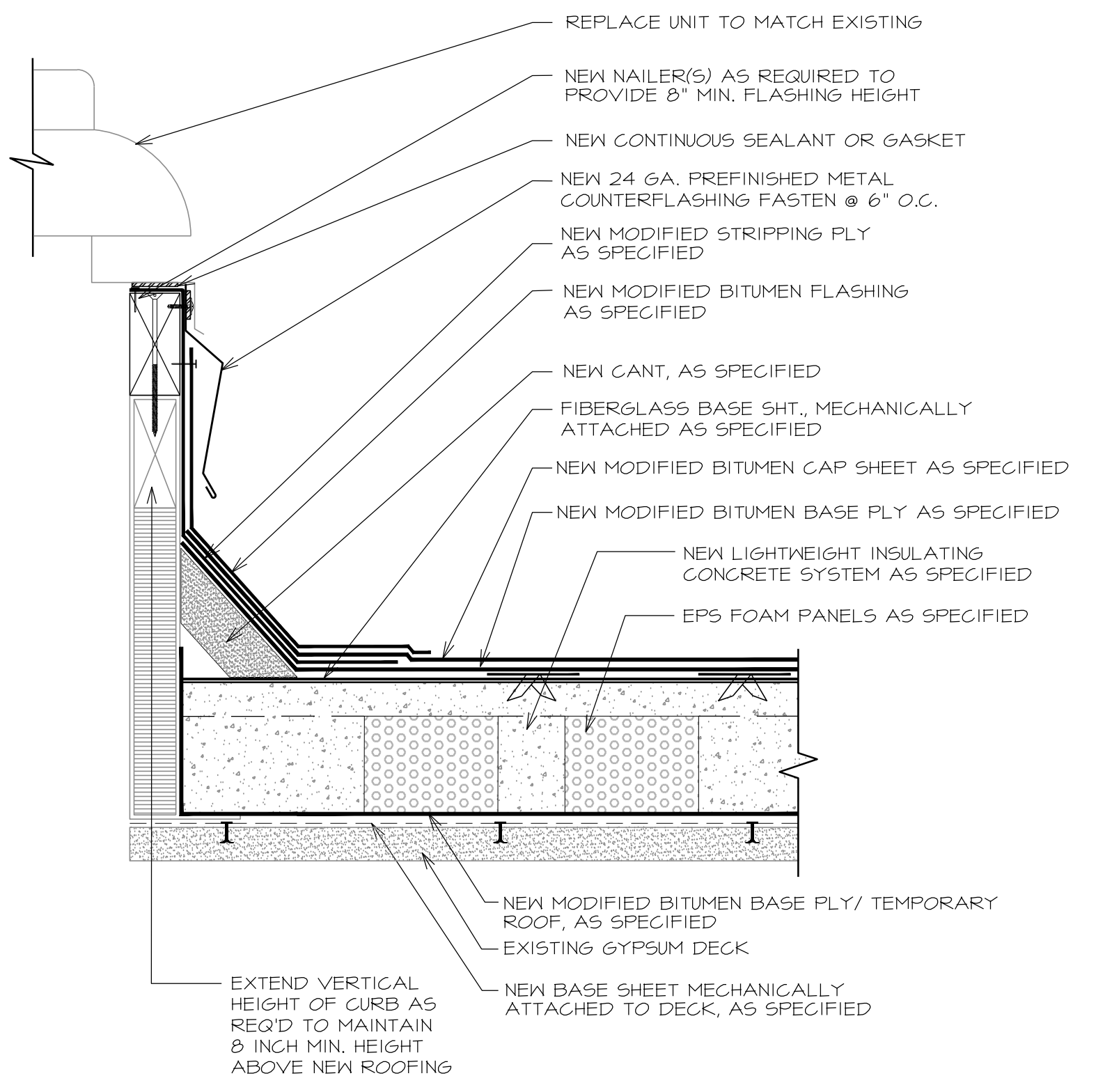


**13 CONDUIT FLASHING PENETRATION**  
 A-502 SCALE: 3' = 1'-0"

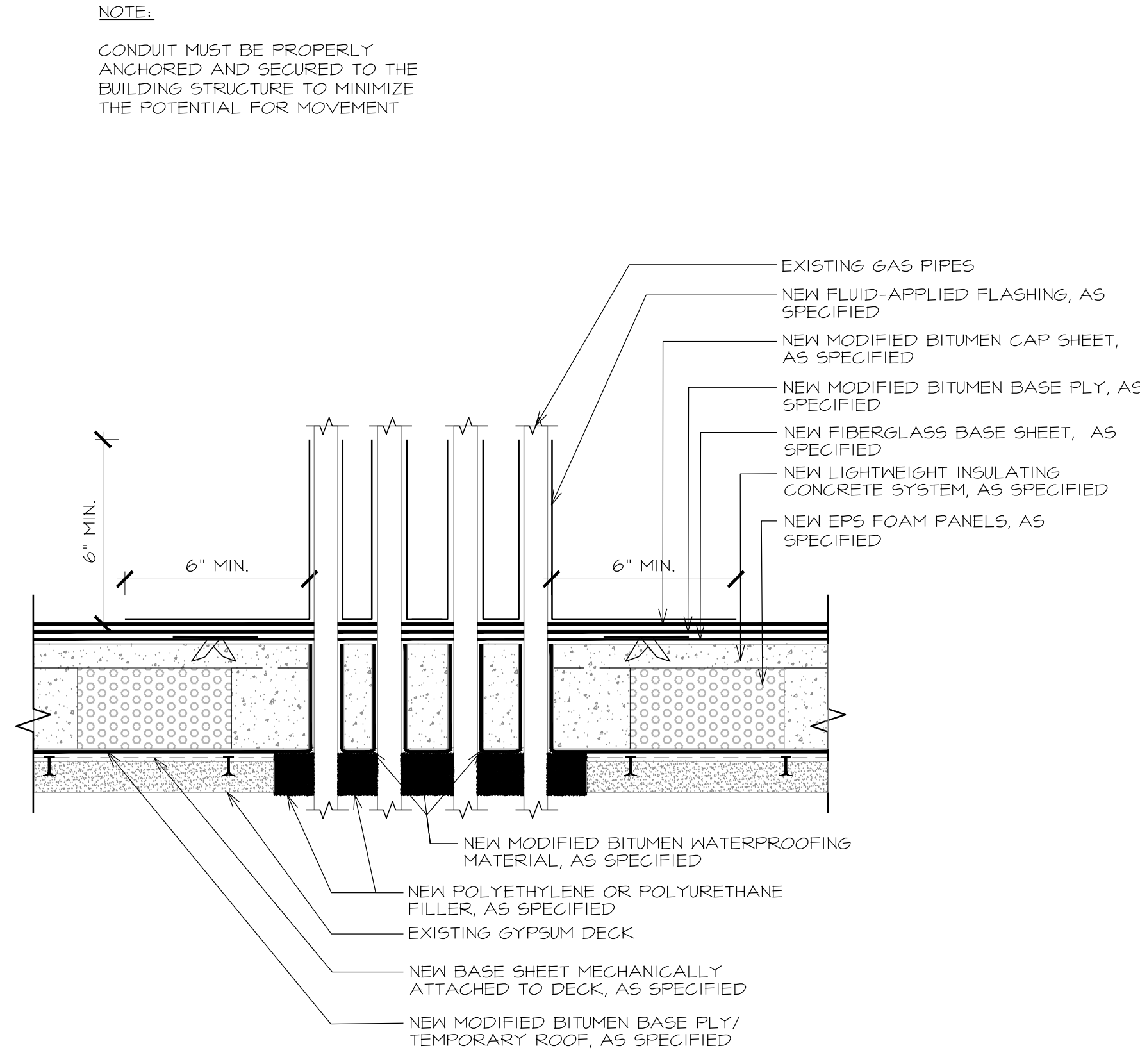


**14 SUMPED ROOF DRAIN**  
 A-502 SCALE: 3' = 1'-0"

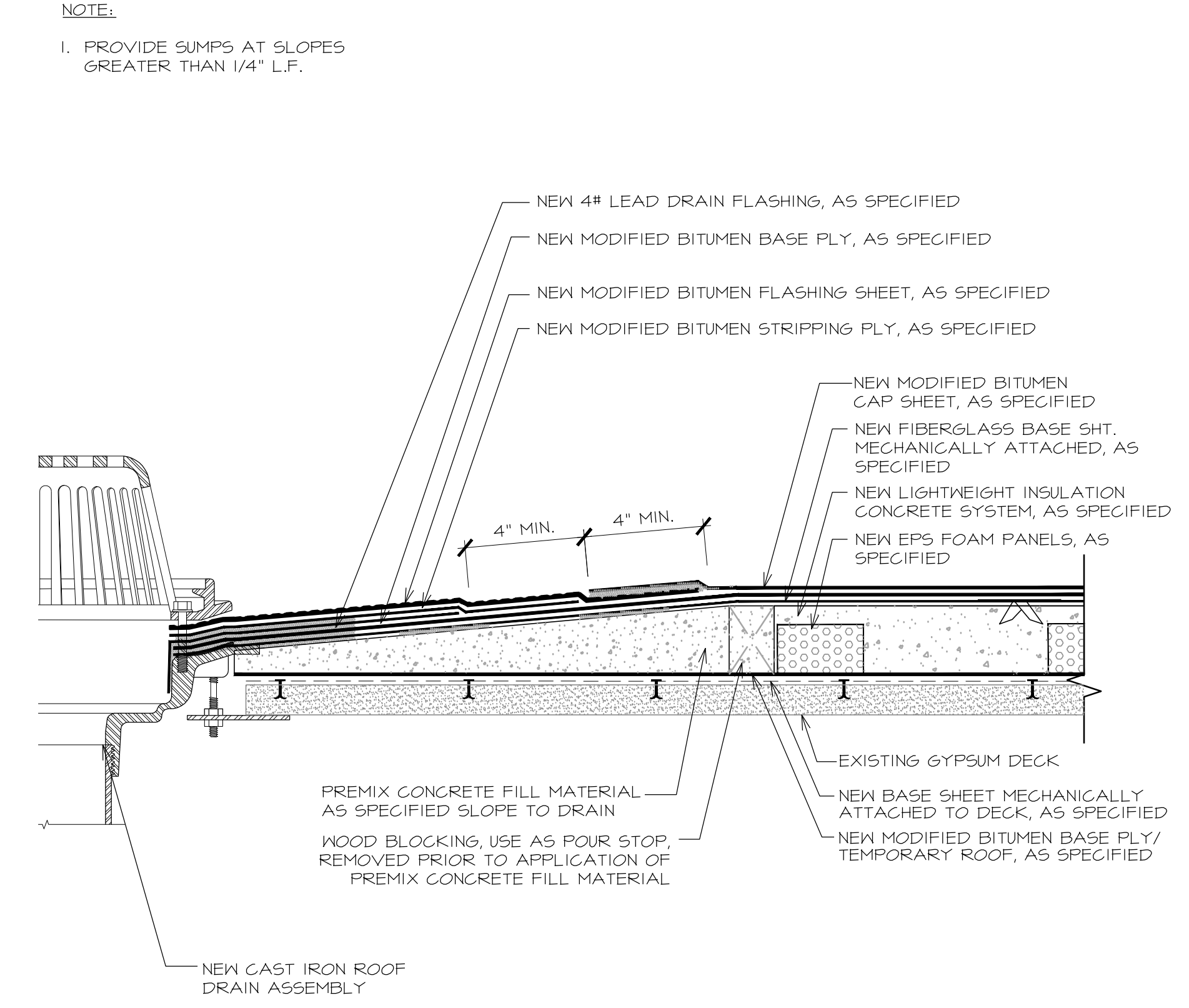
- NOTES:
1. PROVIDE SUMP AT SLOPES GREATER THAN 1/4" L.F.
  2. REPLACE ALL MISSING CLAMP RINGS, BOLTS, AND STRAINERS.
  3. PAINT ALL DRAIN STRAINERS
  4. REMOVE CONCRETE STOP BLOCKING PRIOR TO FINAL LIGHT CONCRETE POUR



**15 POWER VENT**  
 A-502 SCALE: 3' = 1'-0"



**16 GAS PIPE PENETRATION**  
 A-502 SCALE: 3' = 1'-0"



**17 NEW SUMPED ROOF DRAIN**  
 A-502 SCALE: 3' = 1'-0"

PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT

PHASE 1  
 BID#2017-703  
 A ROOF REPLACEMENT AT  
 GREGG COUNTY COURTHOUSE  
 101 EAST METHVIN  
 Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE: DETAILS

SHEET NO. **A-502**



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PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT

PHASE 1  
BID#2017-703  
A ROOF REPLACEMENT AT  
GREGG COUNTY COURTHOUSE  
101 EAST METHVIN  
Longview, TX 75601

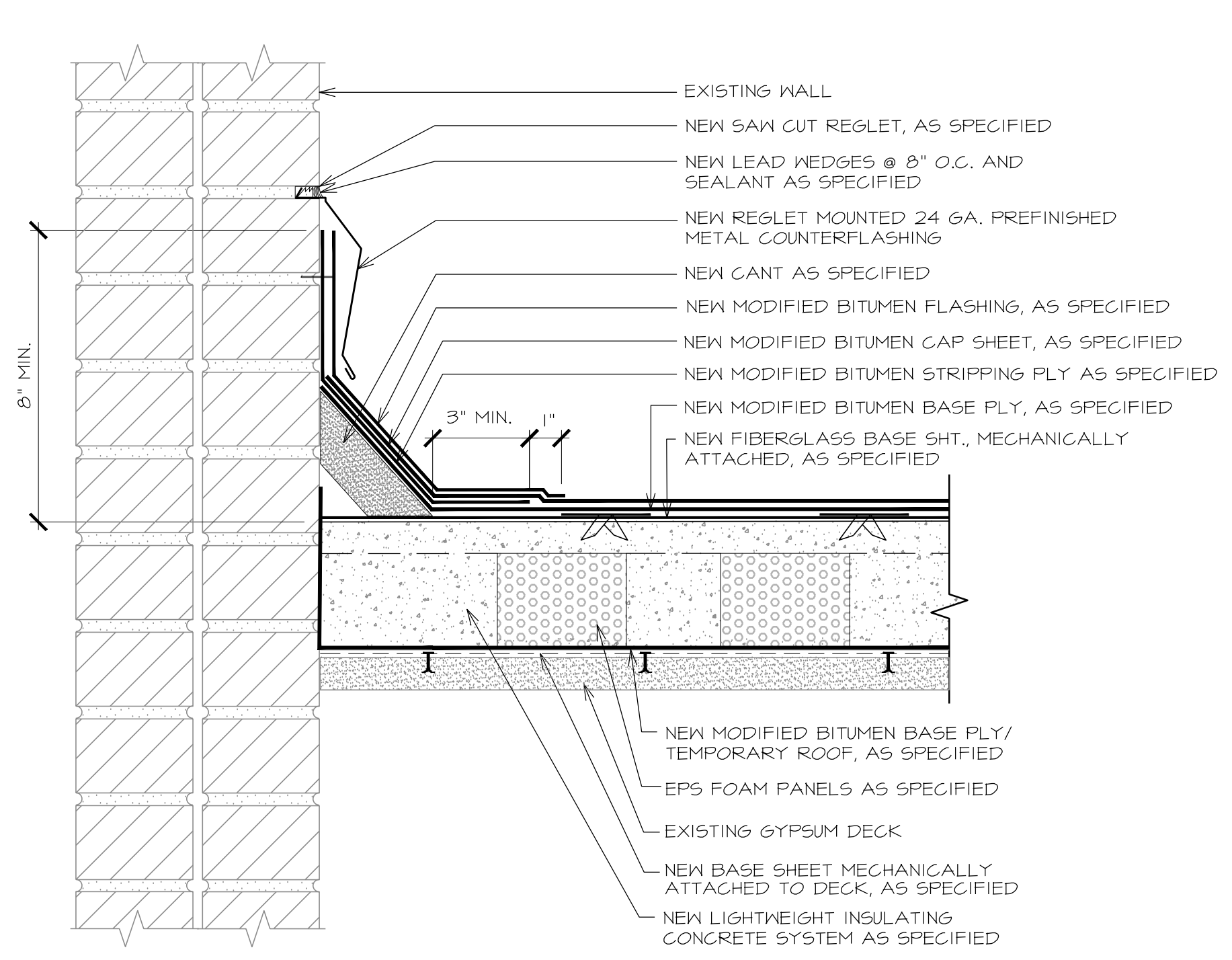
REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
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OCCUPANCY GROUP:	GROUP A

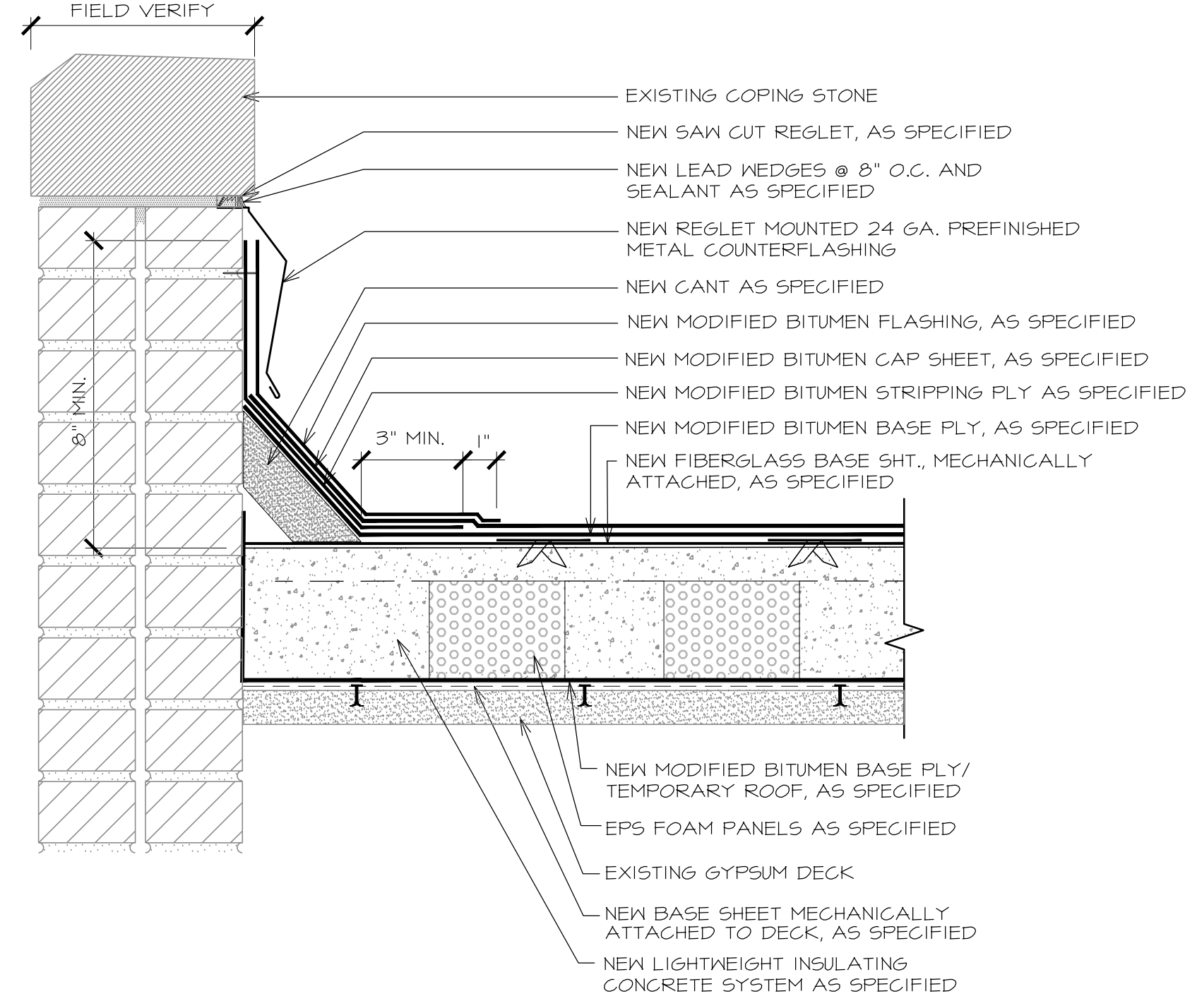
SHEET TITLE: DETAILS

SHEET NO. **A-503**

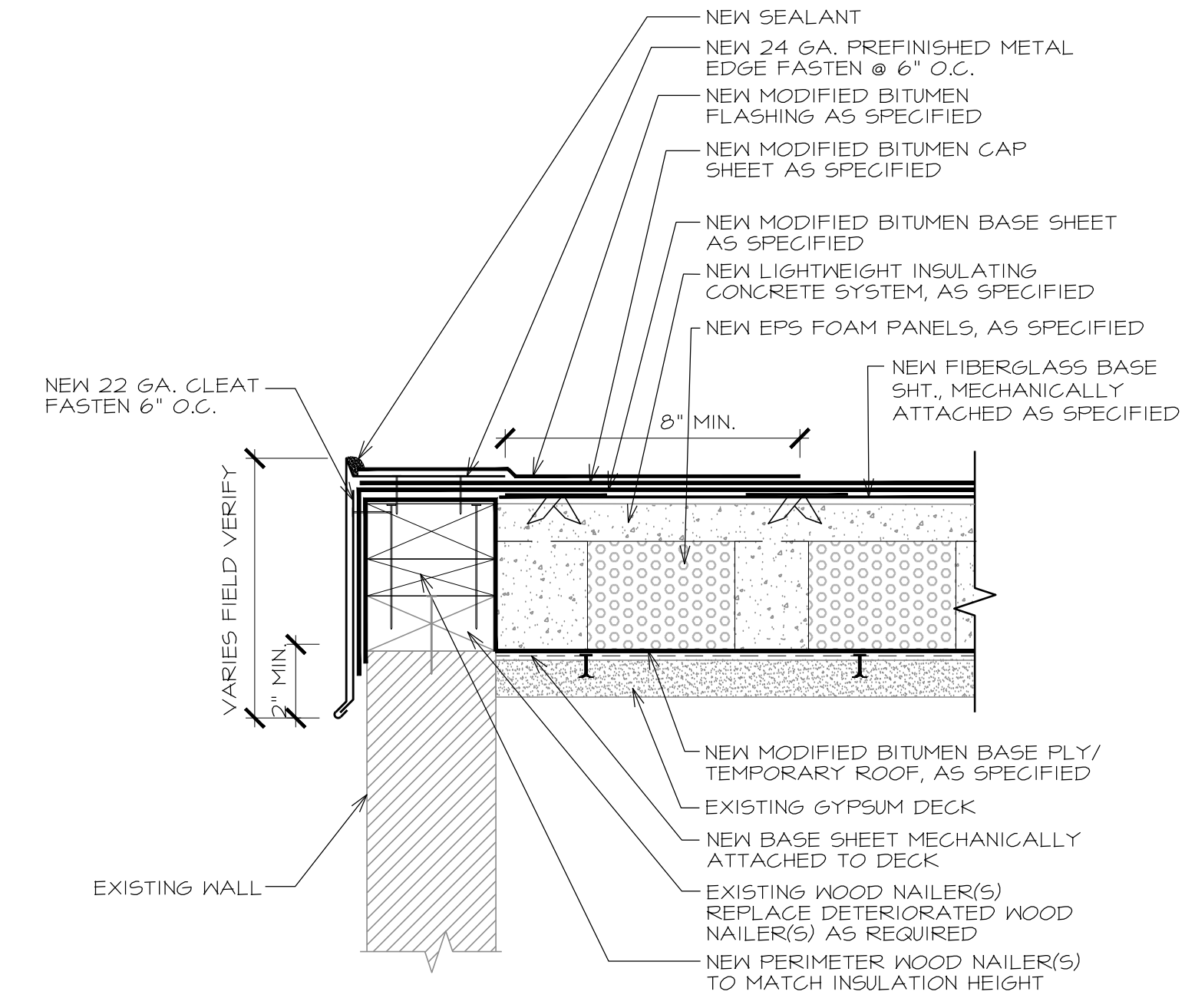
NOTE:  
DETAIL BELOW SHOWS EQUAL LEVEL BETWEEN ROOF EDGE AND LIGHTWEIGHT INSULATION CONCRETE. LEVELS WILL VARY AT VARIOUS LOCATIONS ALONG BOTH LENGTHS OF THIS CONDITION.



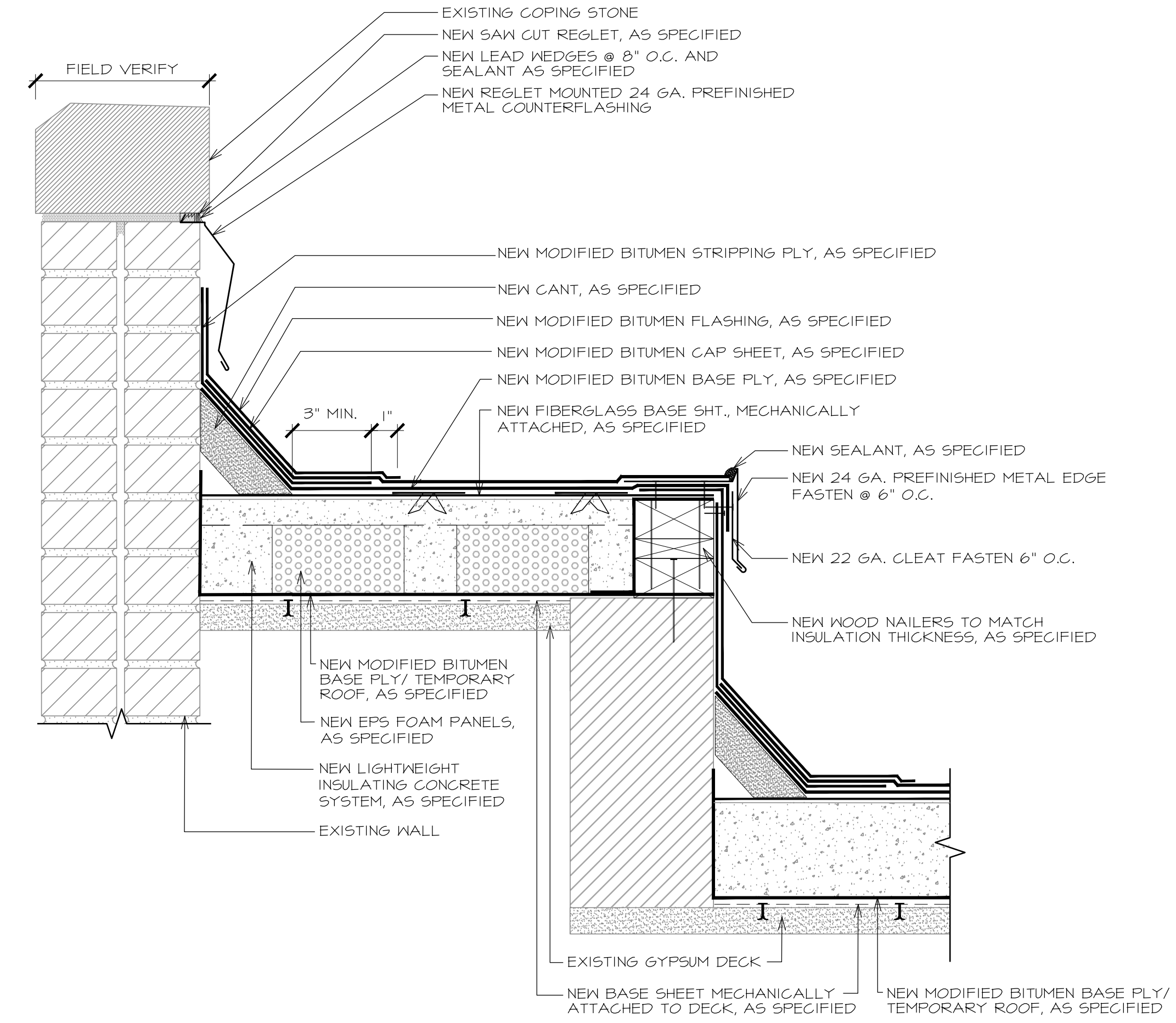
**18 RISE WALL**  
A-503 SCALE: 3' x 1'-0"



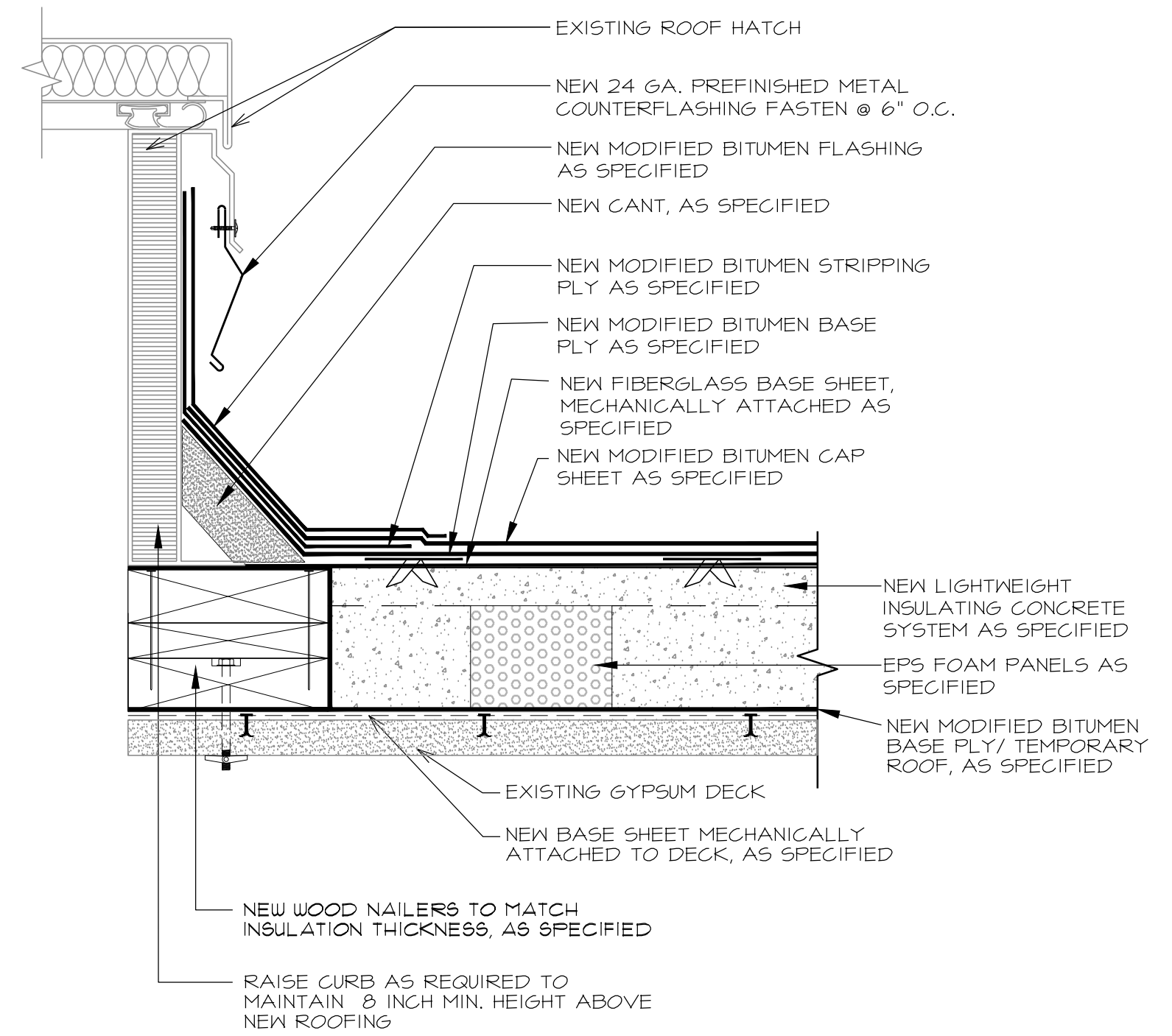
**19 PARAPET**  
A-503 SCALE: 3' x 1'-0"



**20 METAL EDGE**  
A-503 SCALE: 3' x 1'-0"



**21 CURB / PARAPET DETAIL**  
A-503 SCALE: 3' x 1'-0"



**22 ROOF HATCH**  
A-503 SCALE: 3' x 1'-0"

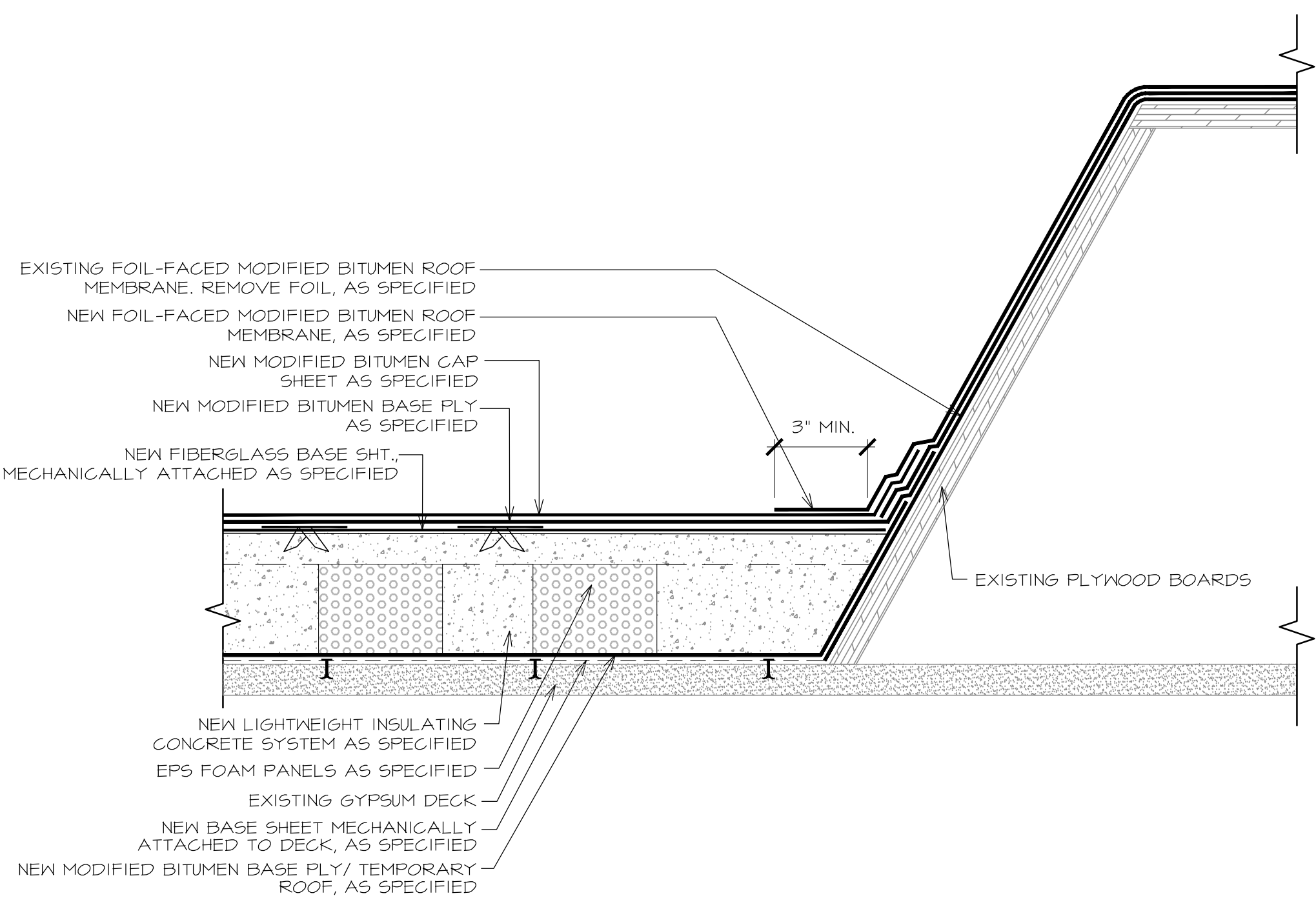


**ISSUED FOR BIDDING**  
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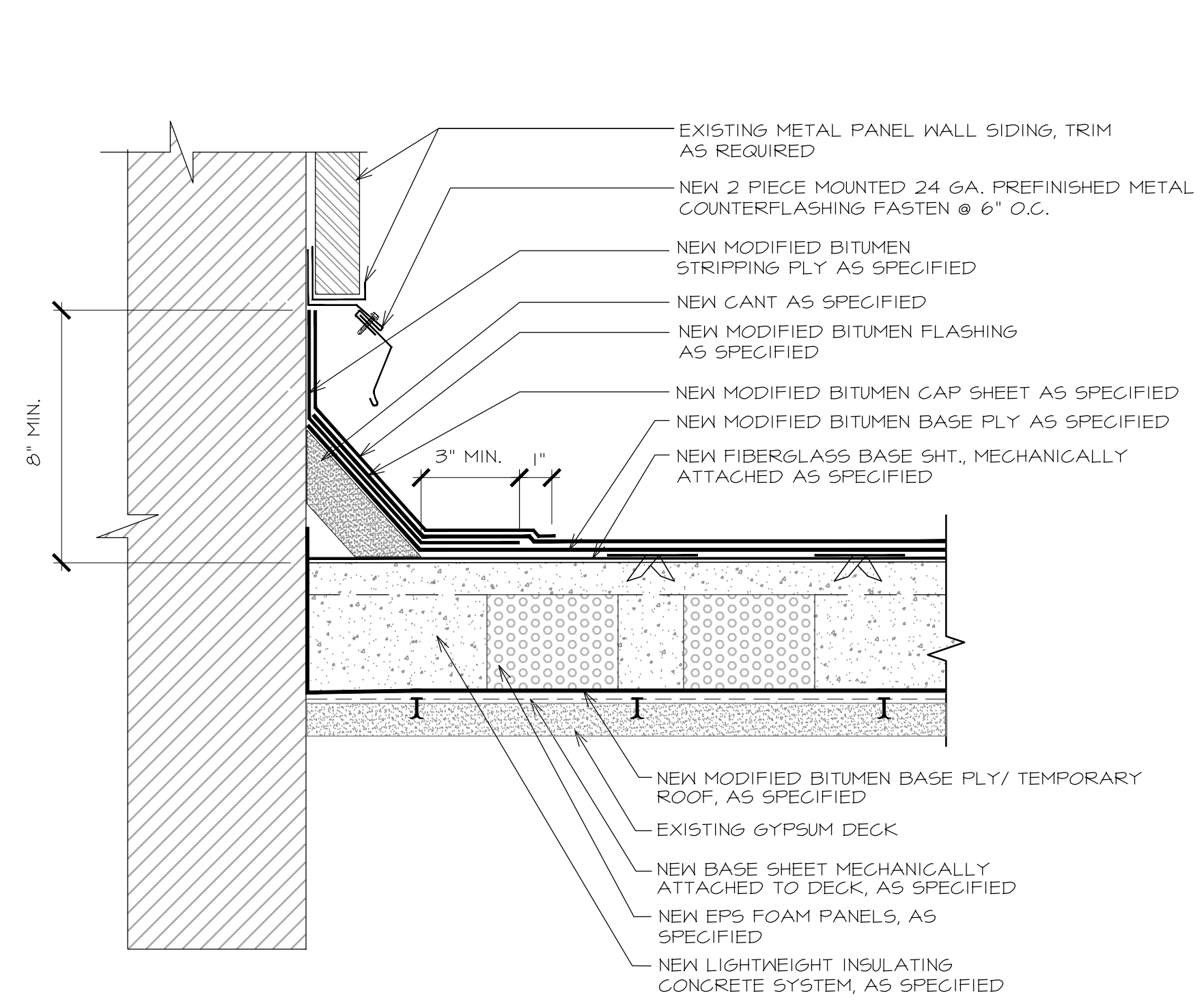
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PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT  
PHASE 1

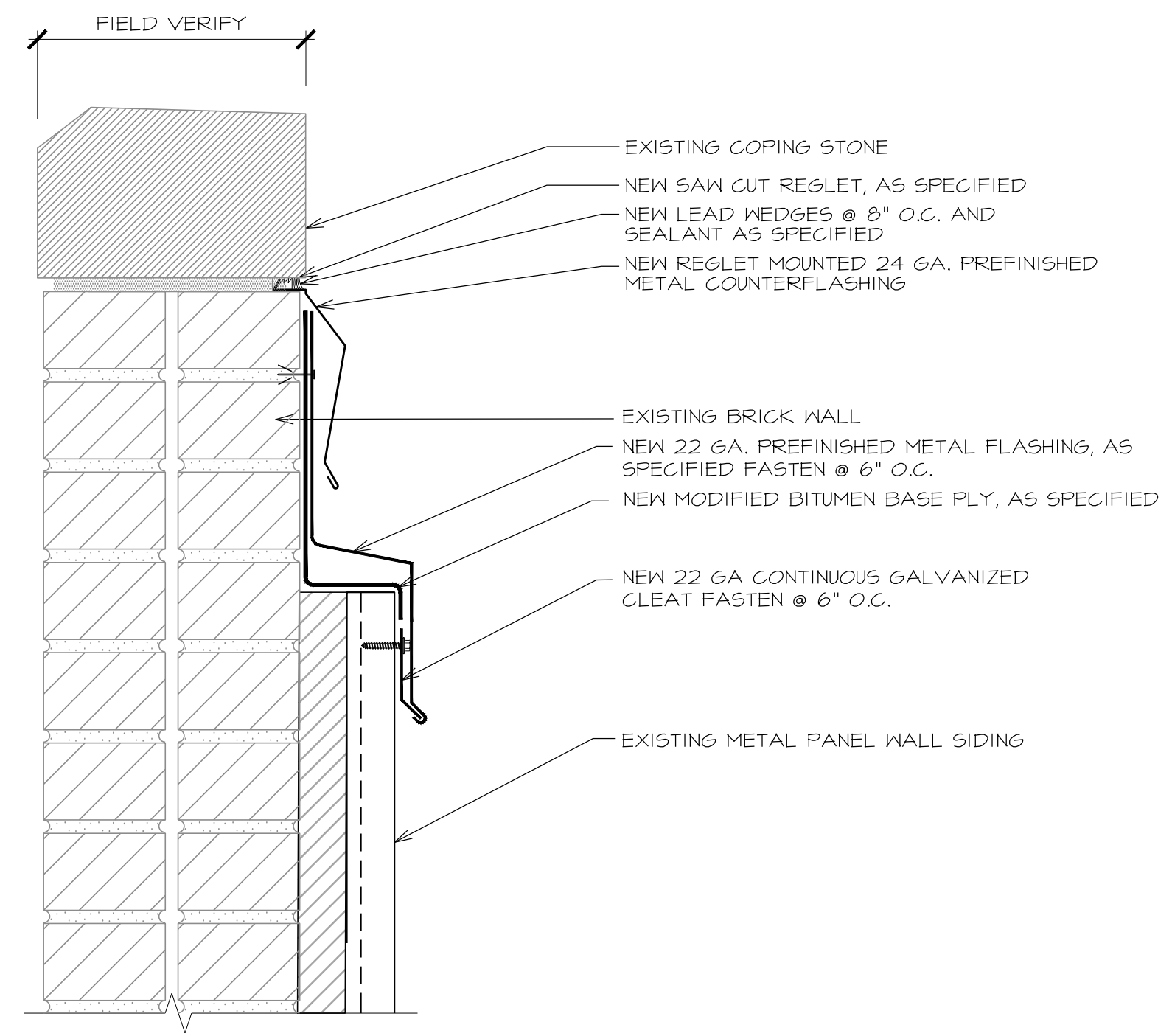
BID#2017-703  
A ROOF REPLACEMENT AT  
GREGG COUNTY COURTHOUSE  
101 EAST METHVIN  
Longview, TX 75601



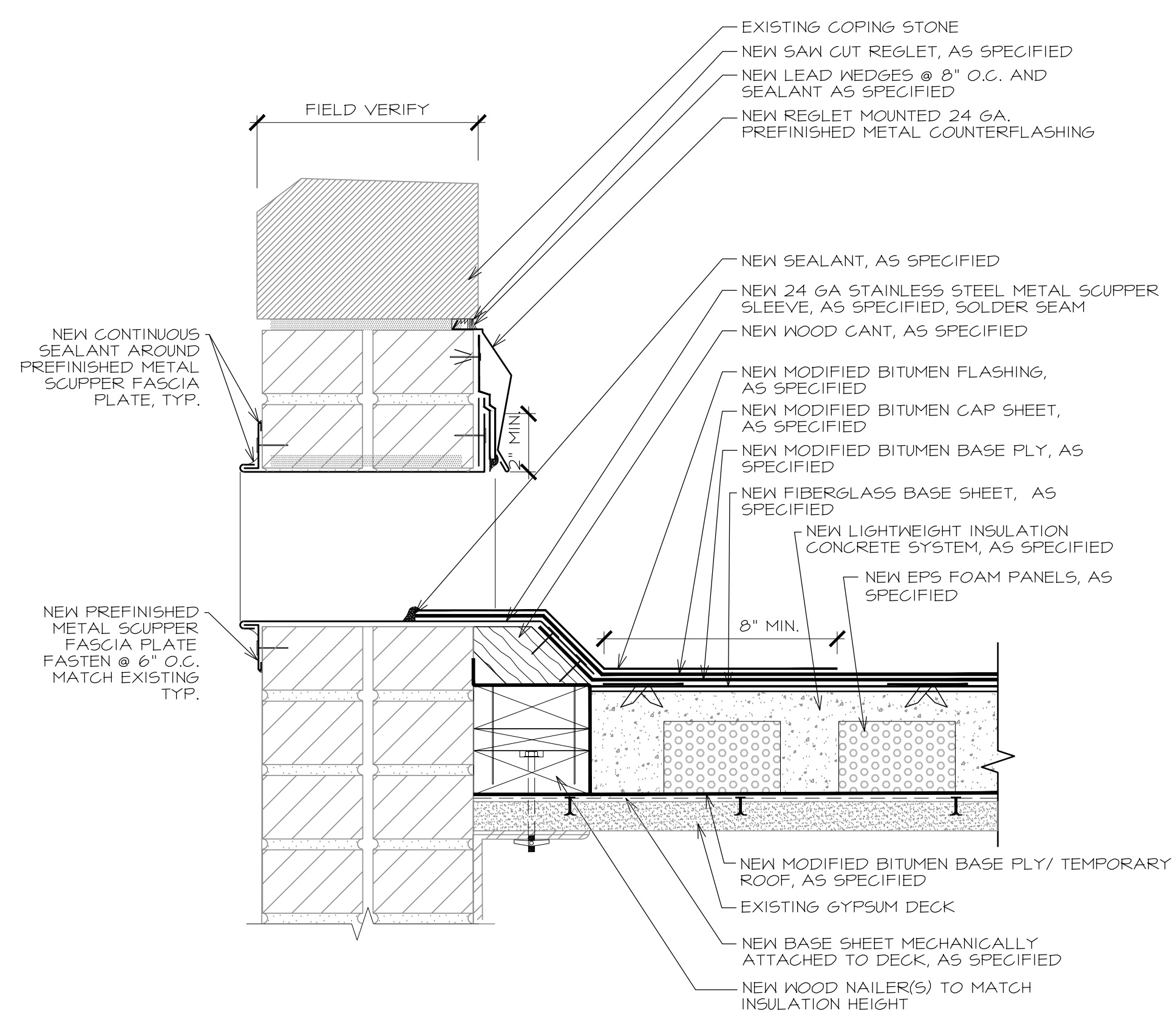
23 TUNNEL-WAY DETAIL  
A-504 SCALE: 3' = 1'-0"



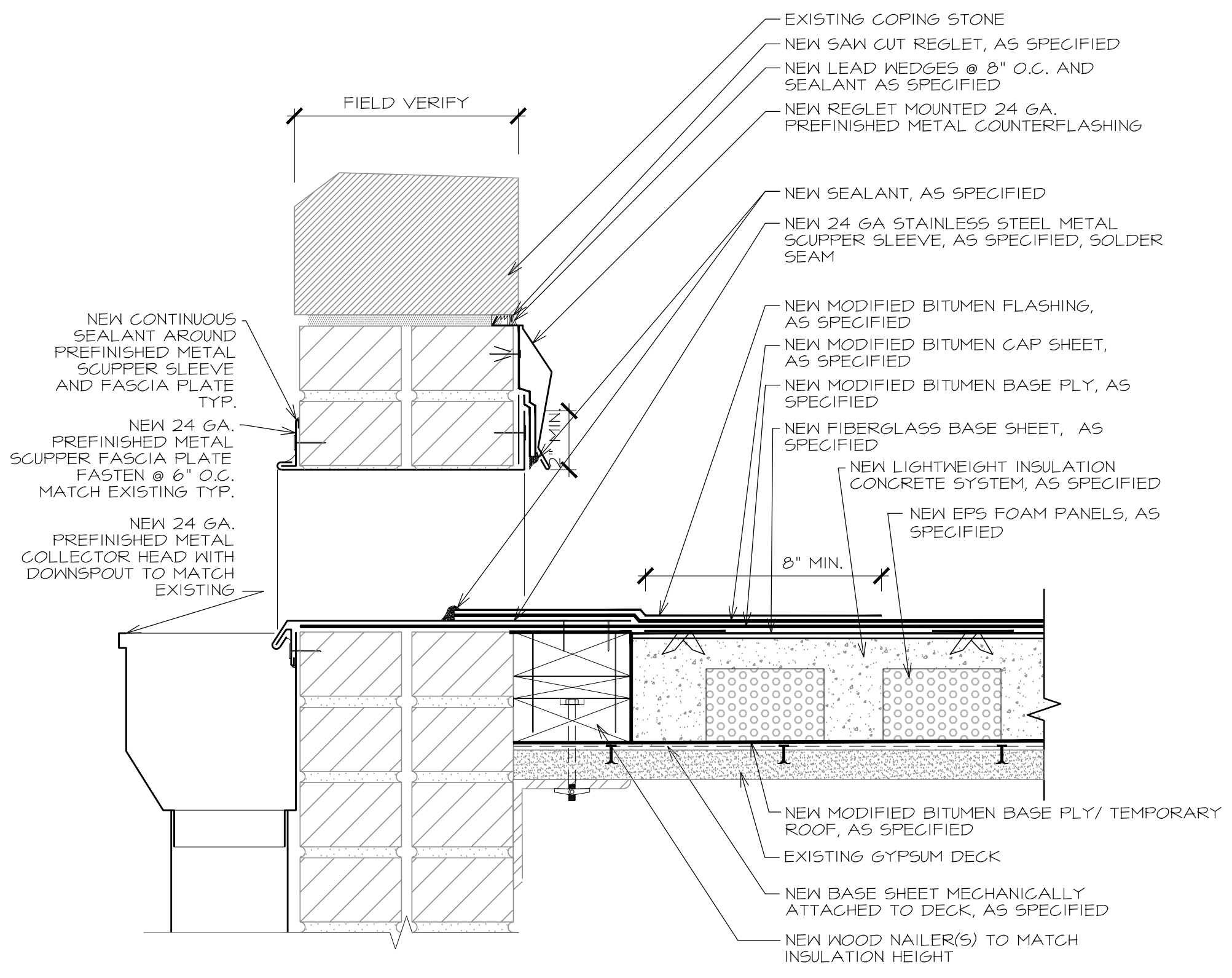
24 RISE WALL  
A-504 SCALE: 3' = 1'-0"



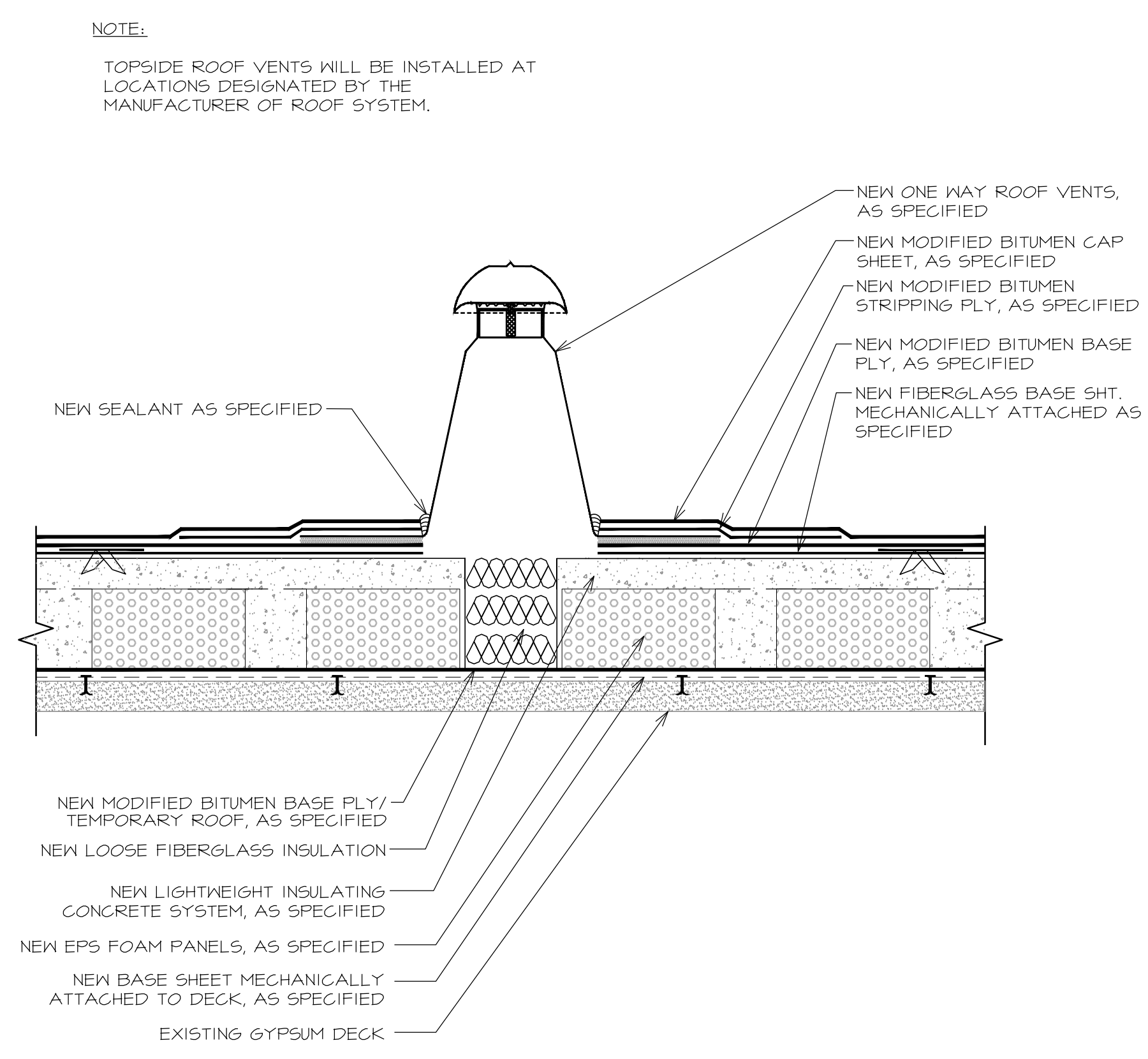
25 HEAD WALL  
A-504 SCALE: 3' = 1'-0"



26 THRU-WALL OVERFLOW SCUPPER (NEW)  
A-504 SCALE: 3' = 1'-0"



27 THRU-WALL SCUPPER  
A-504 SCALE: 3' = 1'-0"



28 ROOF VENT  
A-504 SCALE: 3' = 1'-0"

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

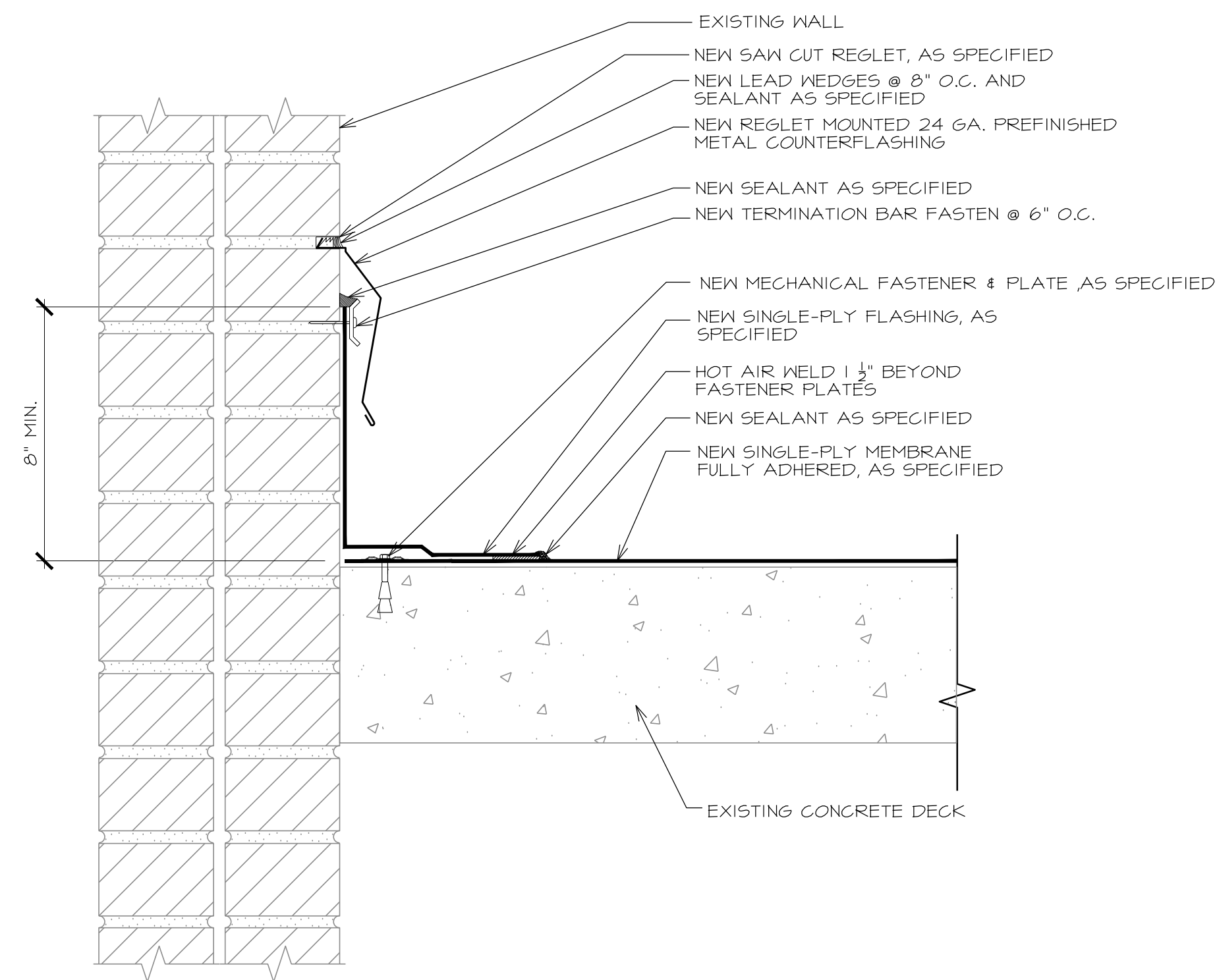
SHEET TITLE: DETAILS

SHEET NO. A-504

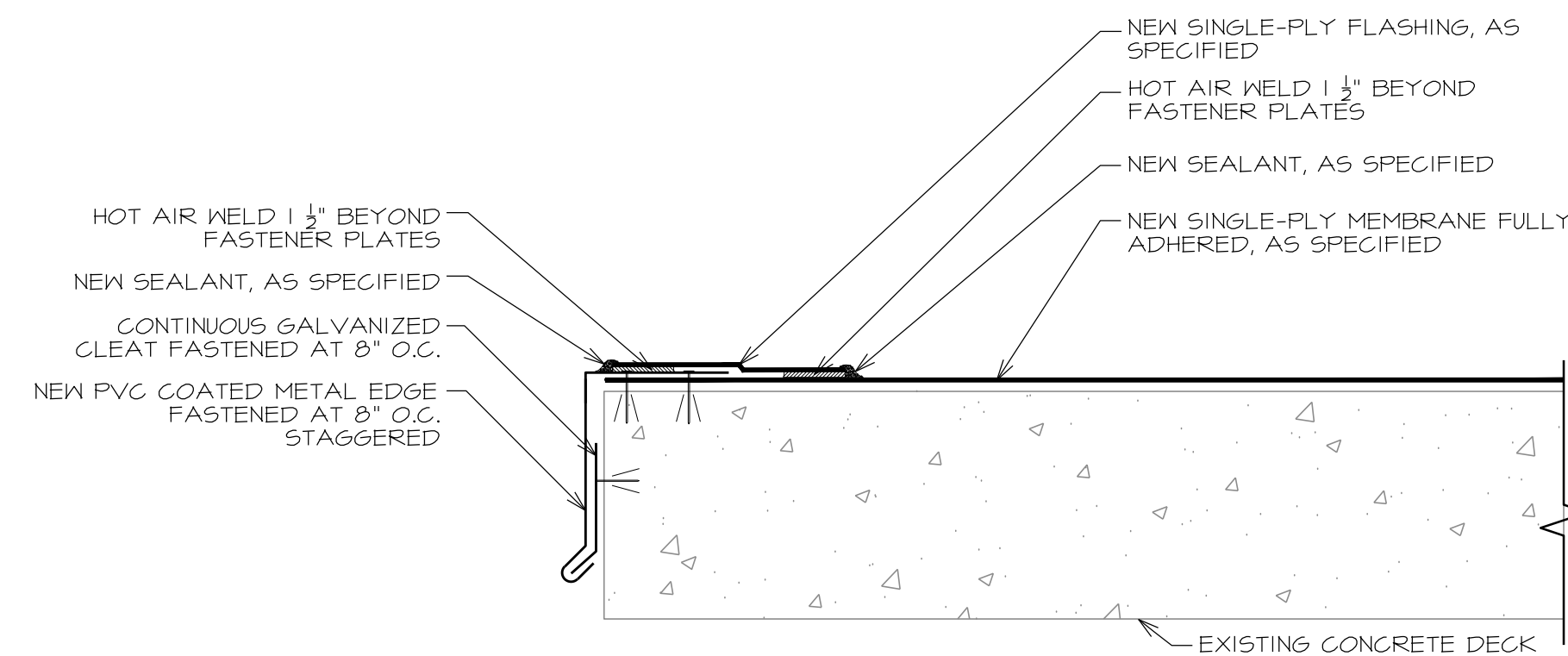


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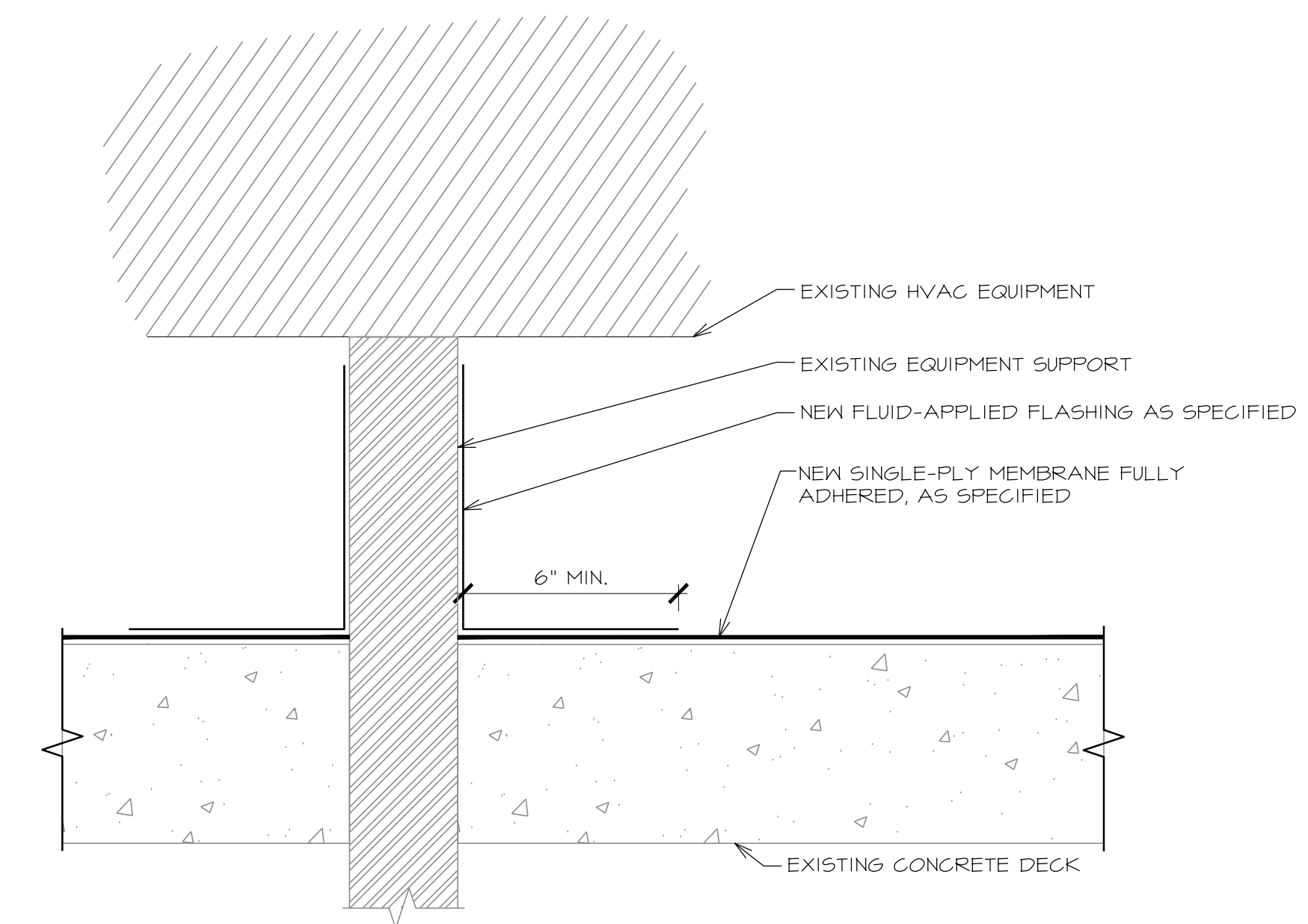
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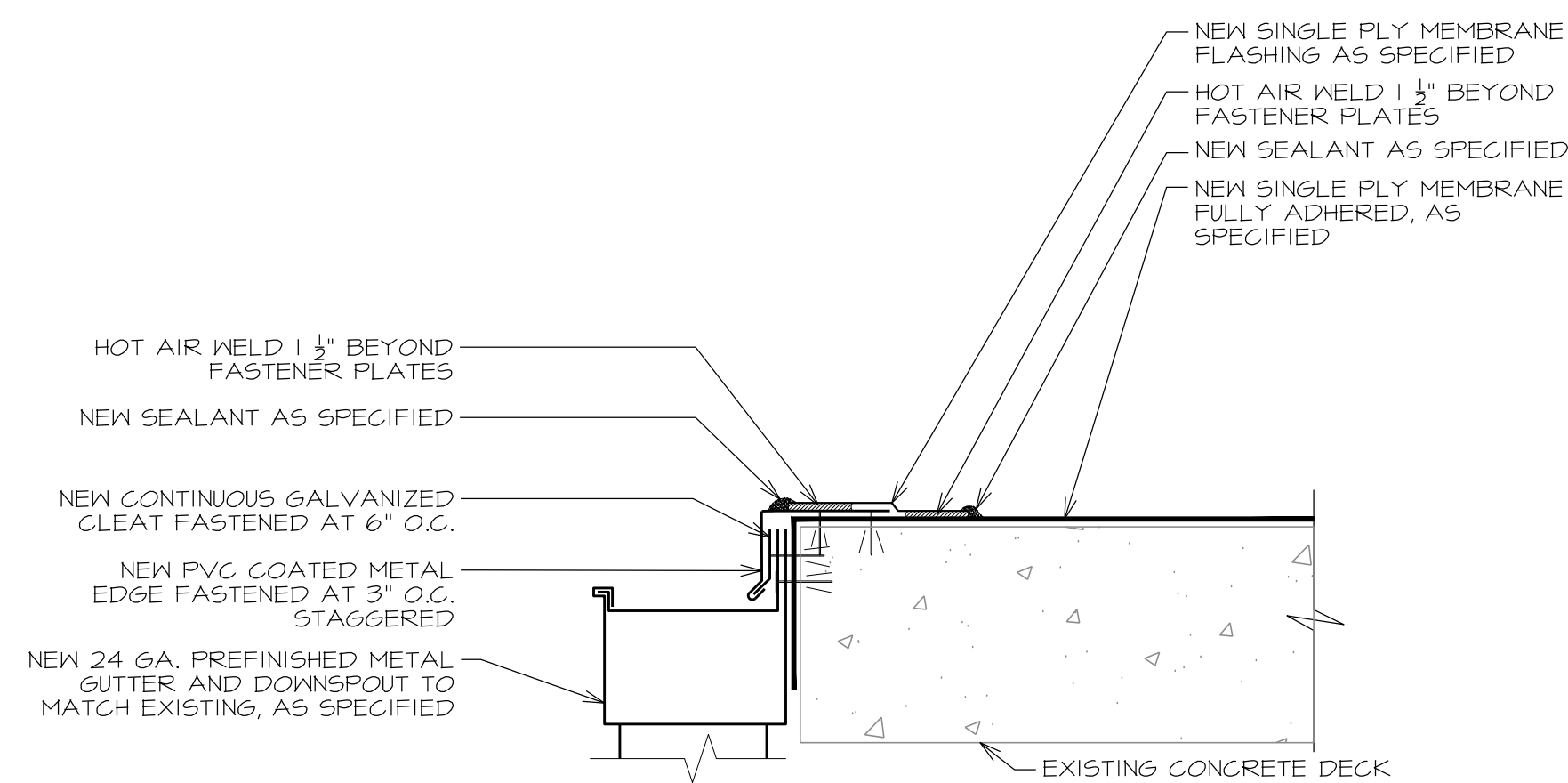
**29 RISE WALL**  
A-505 SCALE: 3" = 1'-0"



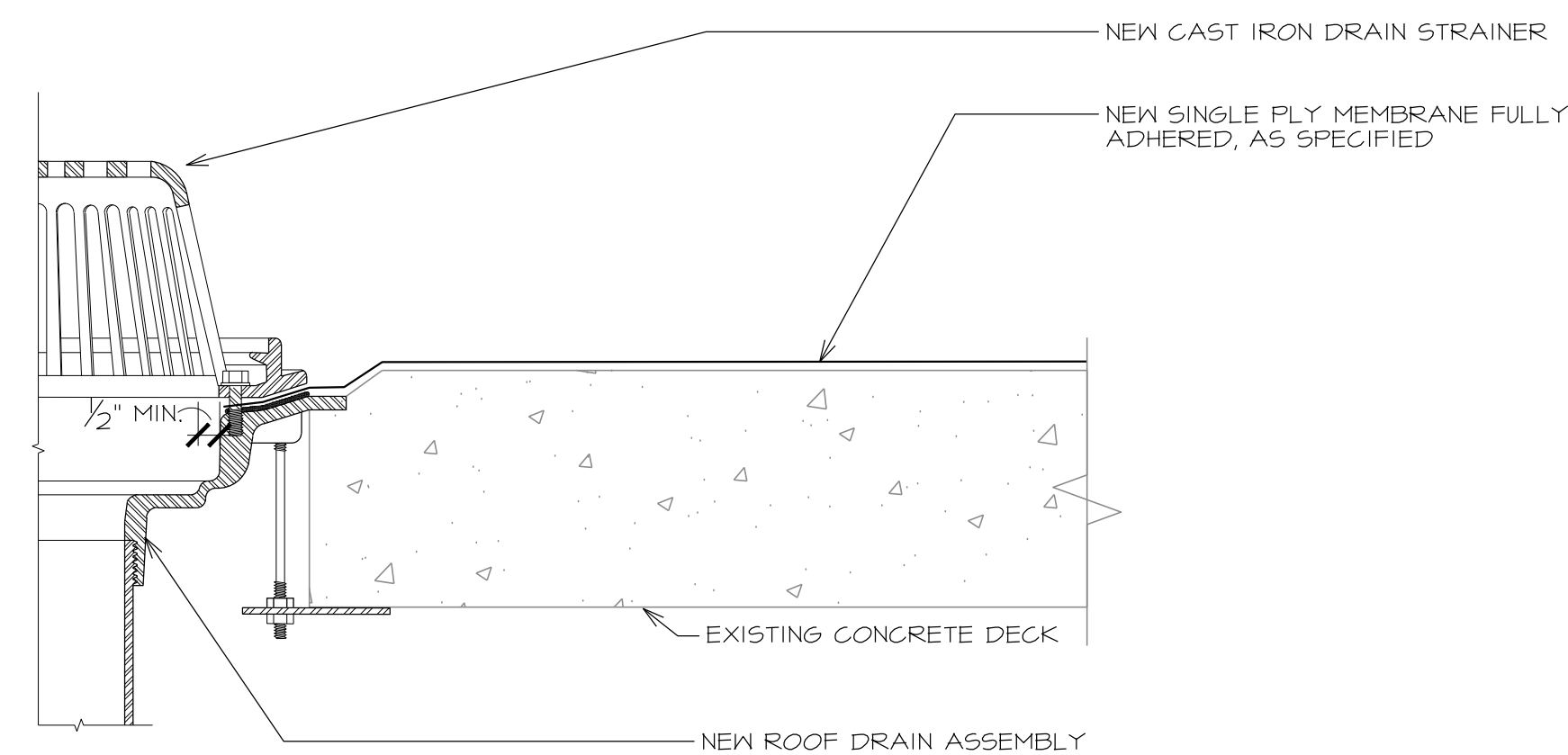
**30 METAL EDGE**  
A-505 SCALE: 3" = 1'-0"



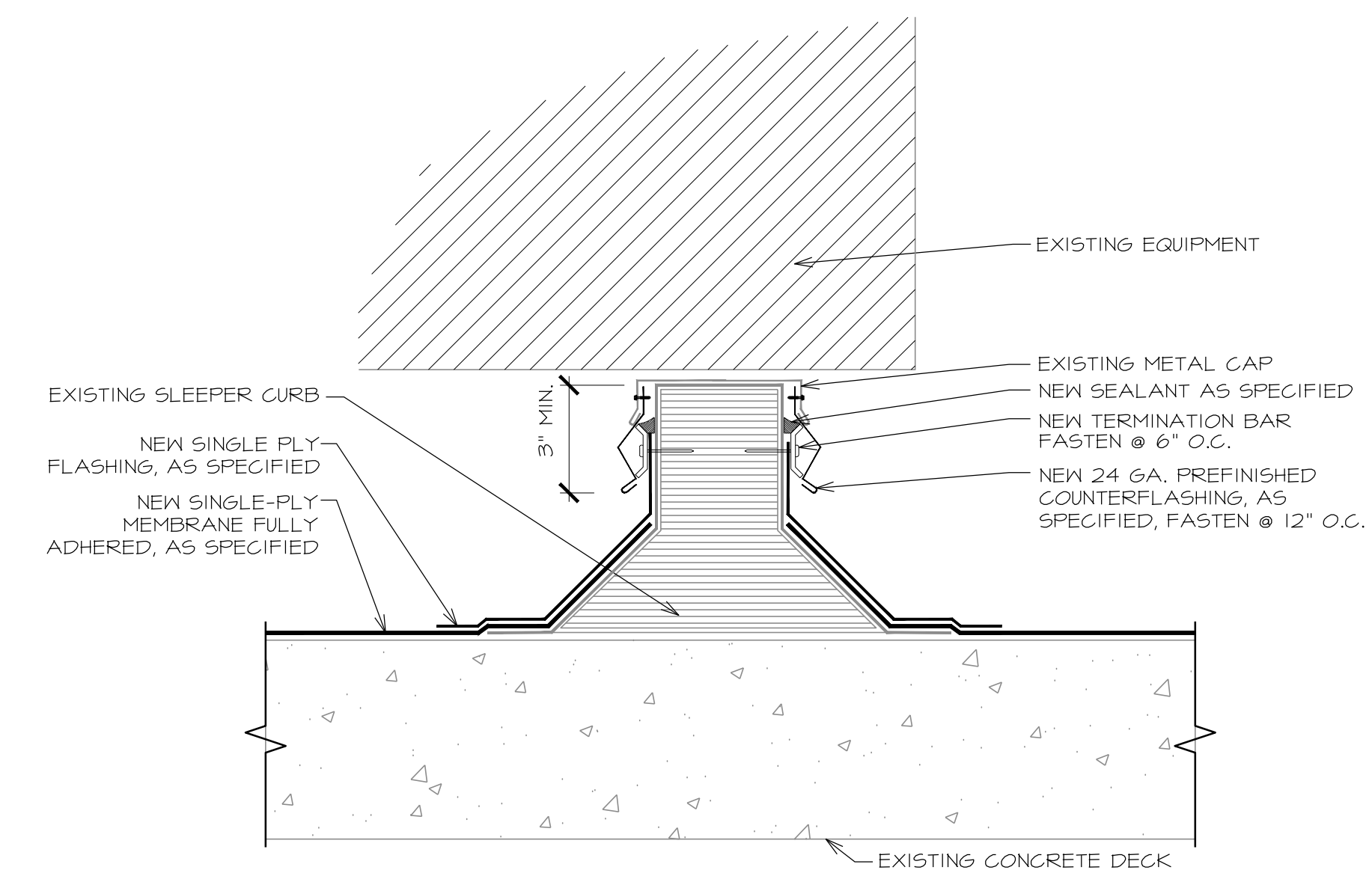
**31 EQUIPMENT SUPPORT**  
A-505 SCALE: 3" = 1'-0"



**32 METAL EDGE W/ GUTTER**  
A-505 SCALE: 3" = 1'-0"



**33 NEW ROOF DRAIN**  
A-505 SCALE: 3" = 1'-0"



**34 EQUIPMENT SUPPORT**  
A-505 SCALE: 3" = 1'-0"

PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT

PHASE 1  
BID#2017-703  
A ROOF REPLACEMENT AT  
GREGG COUNTY COURTHOUSE  
101 EAST METHVIN  
Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE:  
DETAILS

SHEET NO.  
**A-505**



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PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT

PHASE 1

BID#2017-703

A ROOF REPLACEMENT AT

GREGG COUNTY COURTHOUSE

101 EAST METHVIN

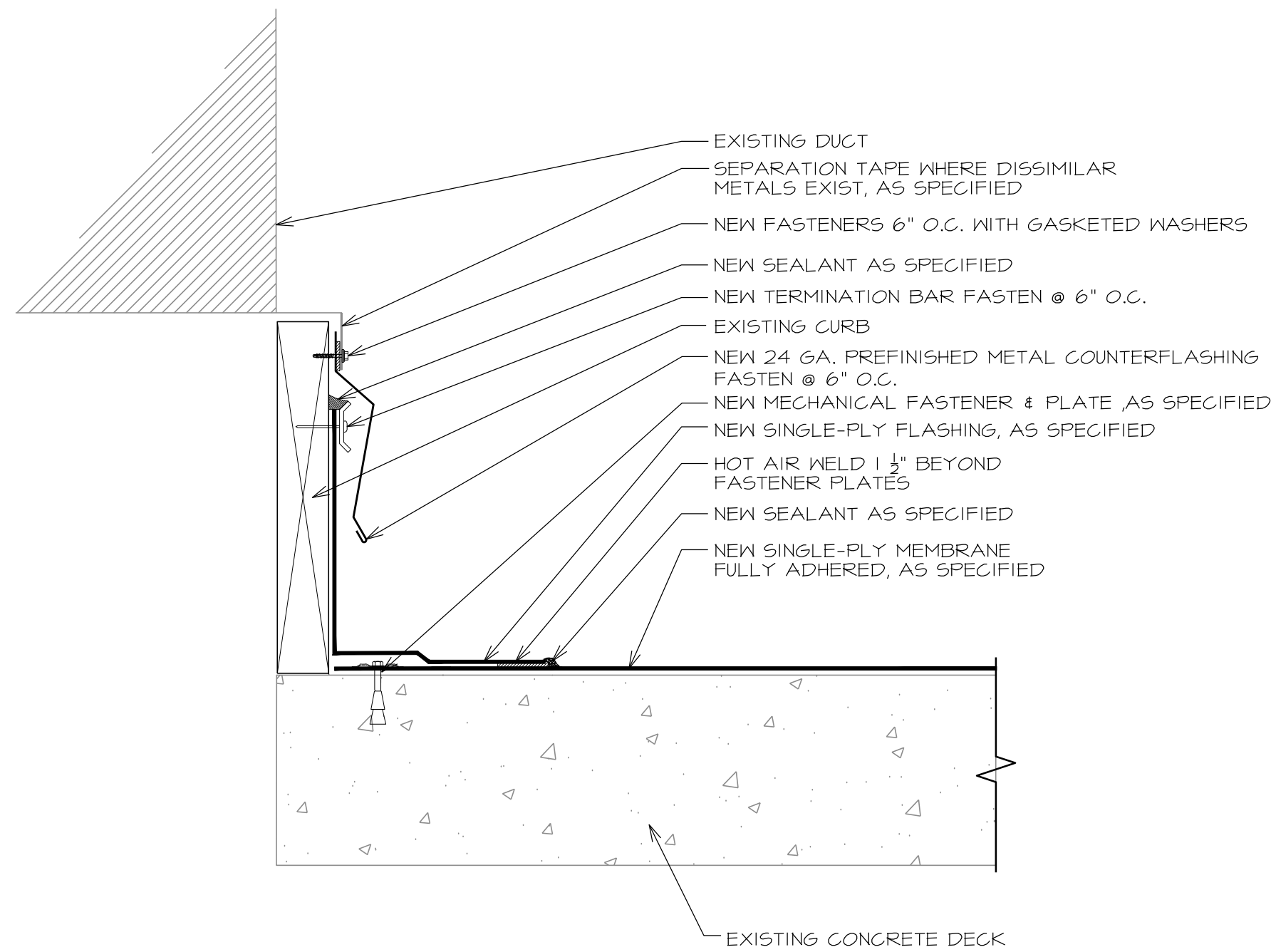
Longview, TX 75601

REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

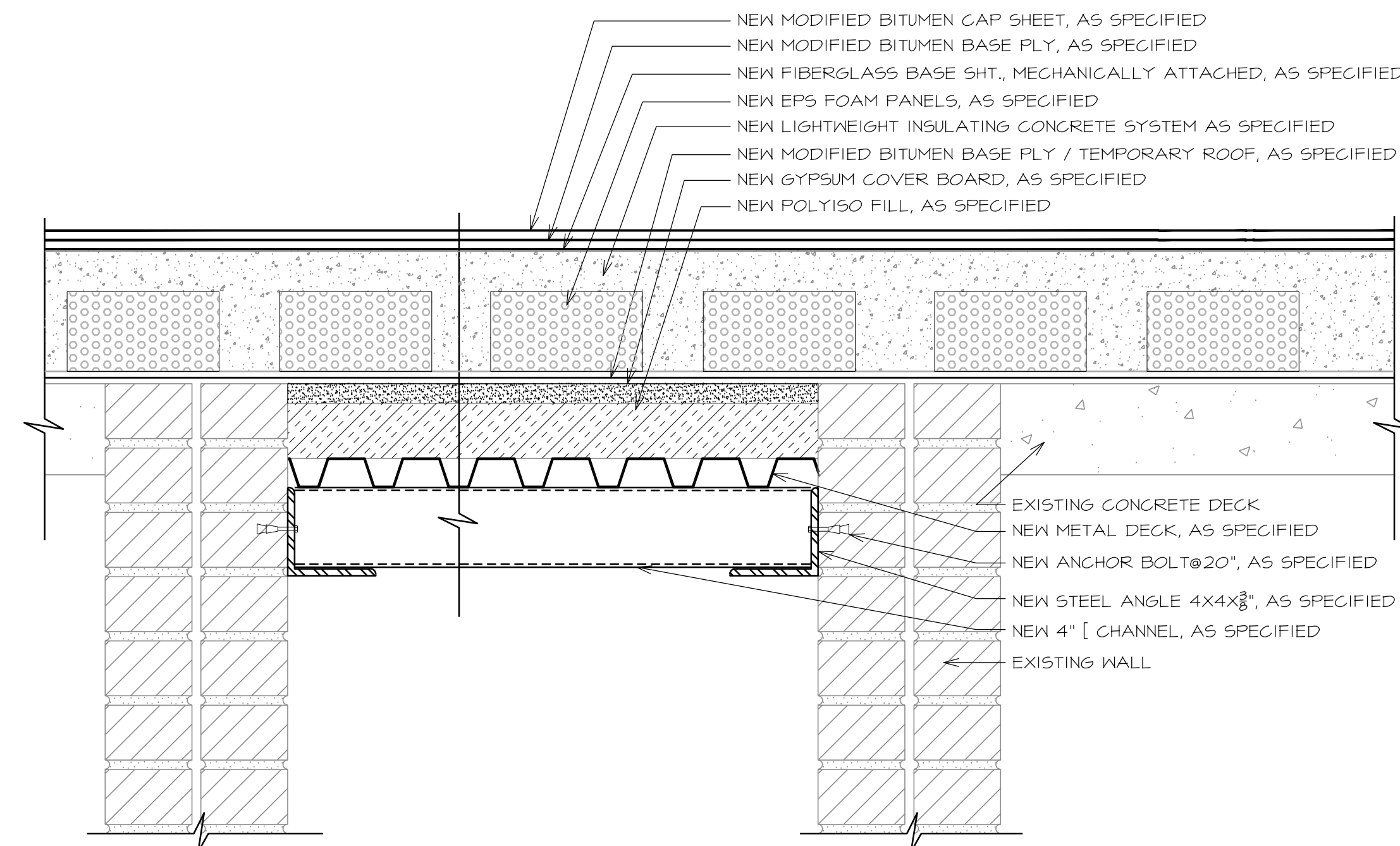
SHEET TITLE: DETAILS

SHEET NO. **A-506**



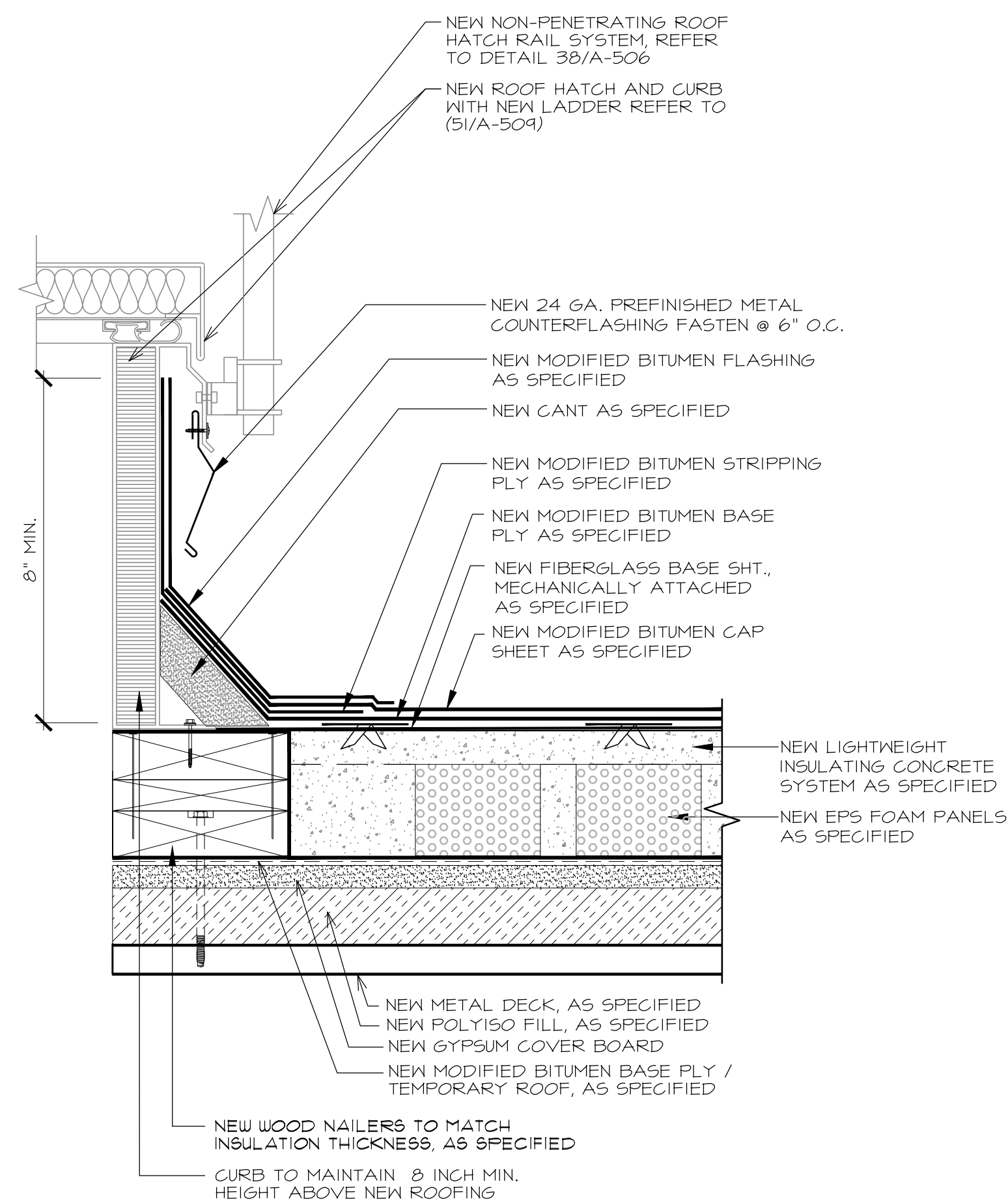
**35 DUCT PENETRATION**

A-506 SCALE: 3" = 1'-0"



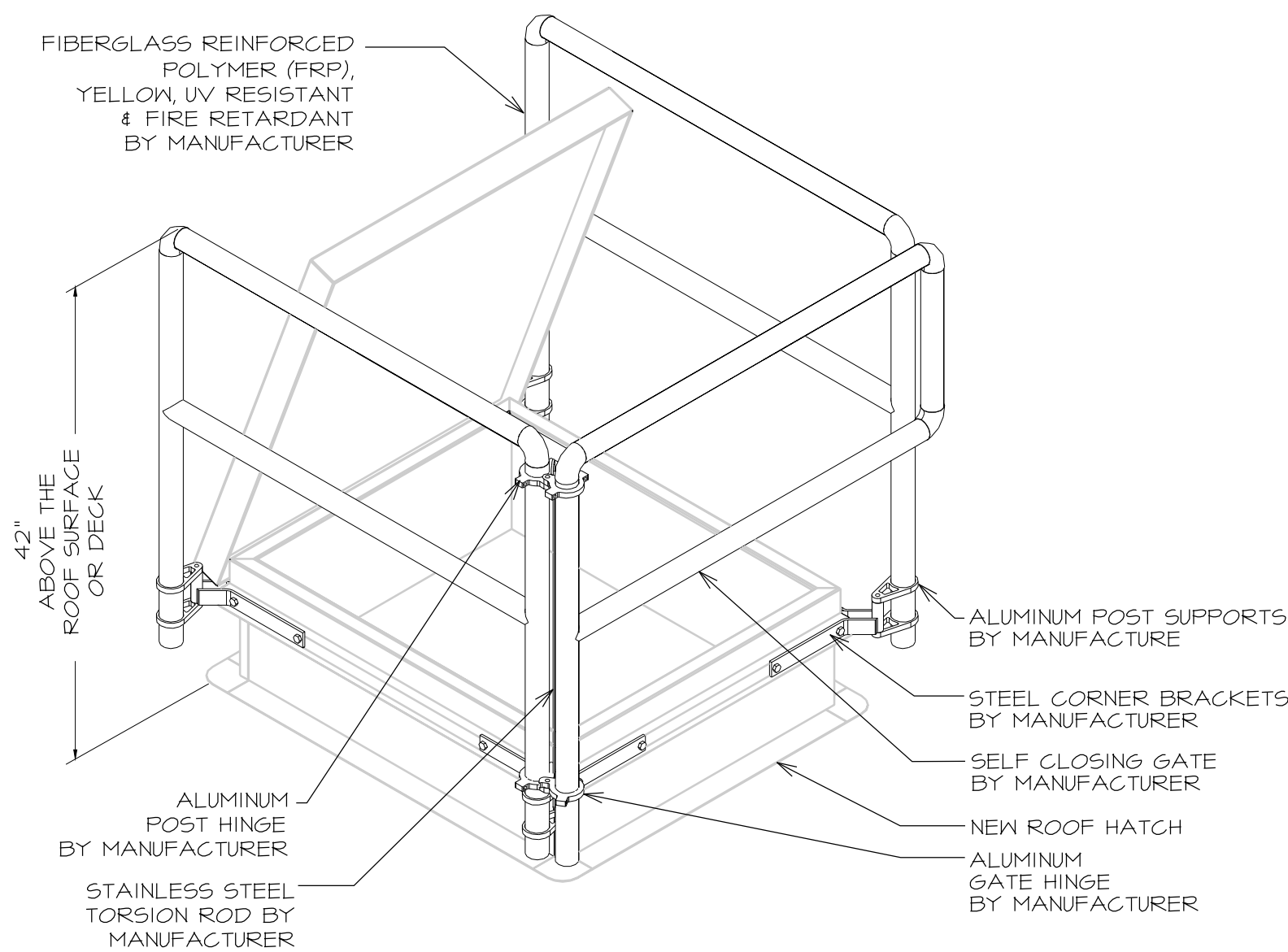
**36 OPENING CLOSURE DETAIL**

A-506 SCALE: 3" = 1'-0"



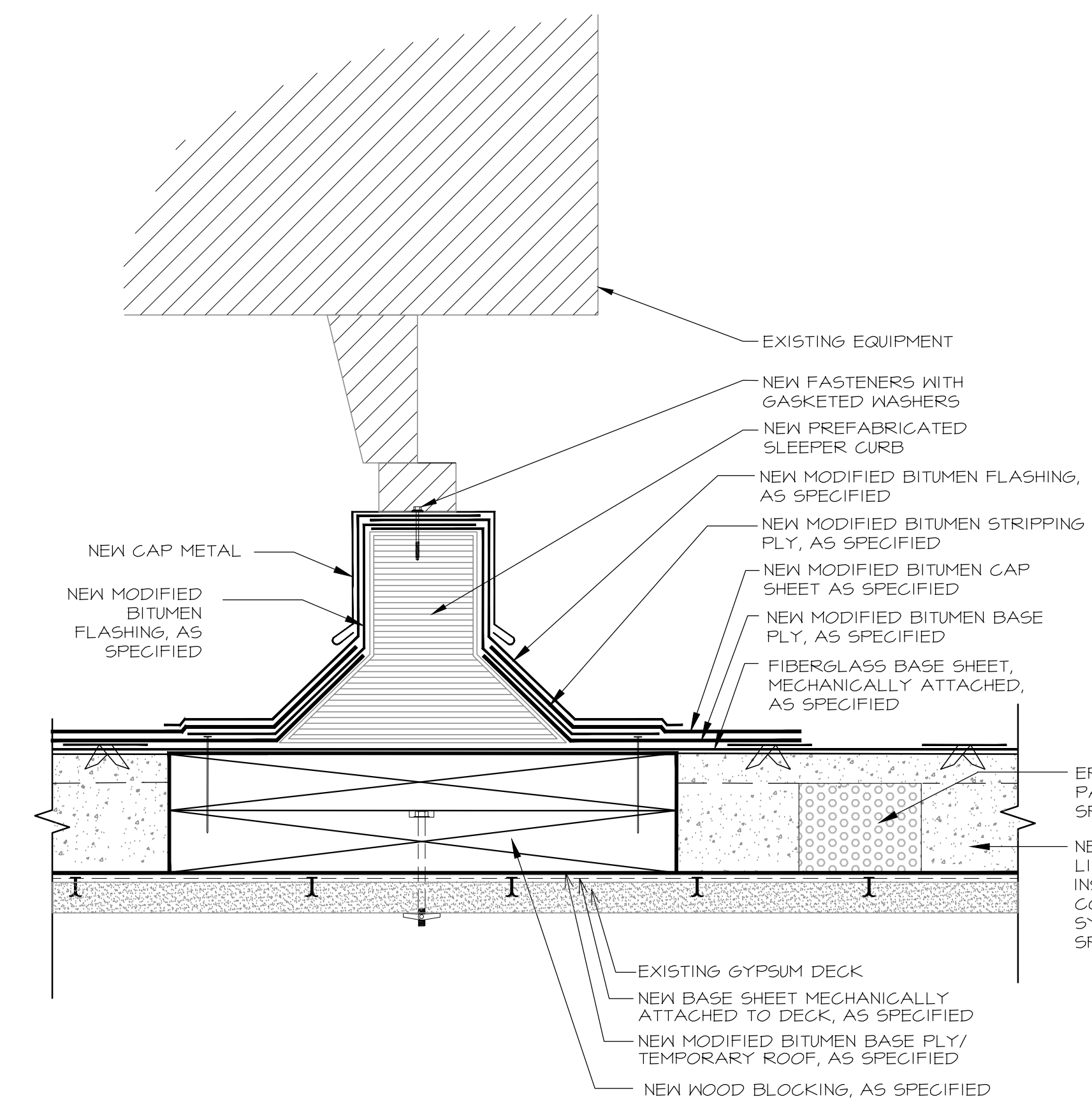
**37 ROOF HATCH**

A-506 SCALE: 3" = 1'-0"



**38 SAFETY RAILING AT ROOF HATCH**

A-506 SCALE: 3" = 1'-0"



**39 EQUIPMENT ON PREFABRICATED CURB**

A-506 SCALE: 3" = 1'-0"



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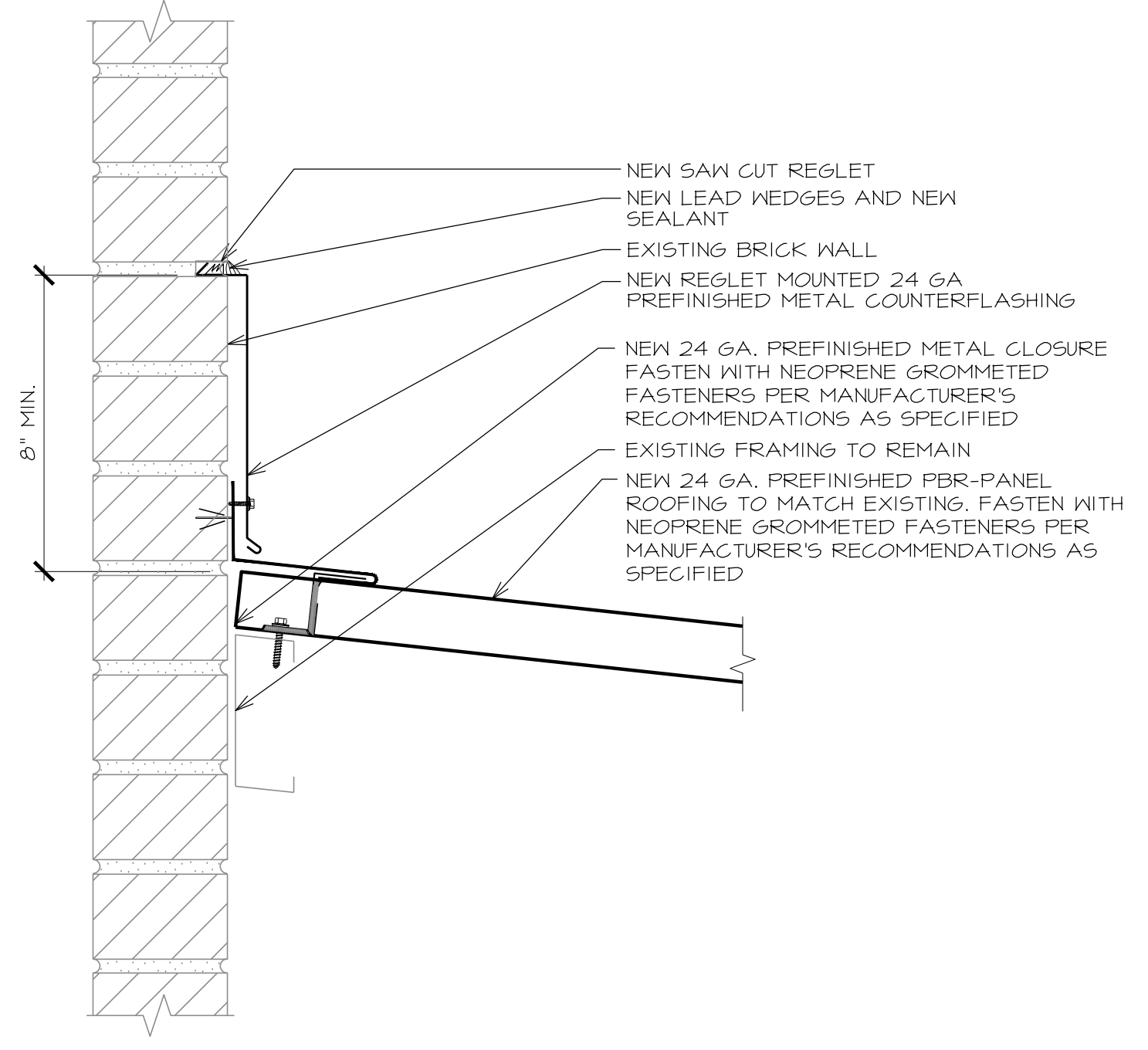
PROJECT: GREGG COUNTY - COURTHOUSE - ROOFING PROJECT  
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GREGG COUNTY COURTHOUSE  
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REV.	DATE	DESCRIPTION
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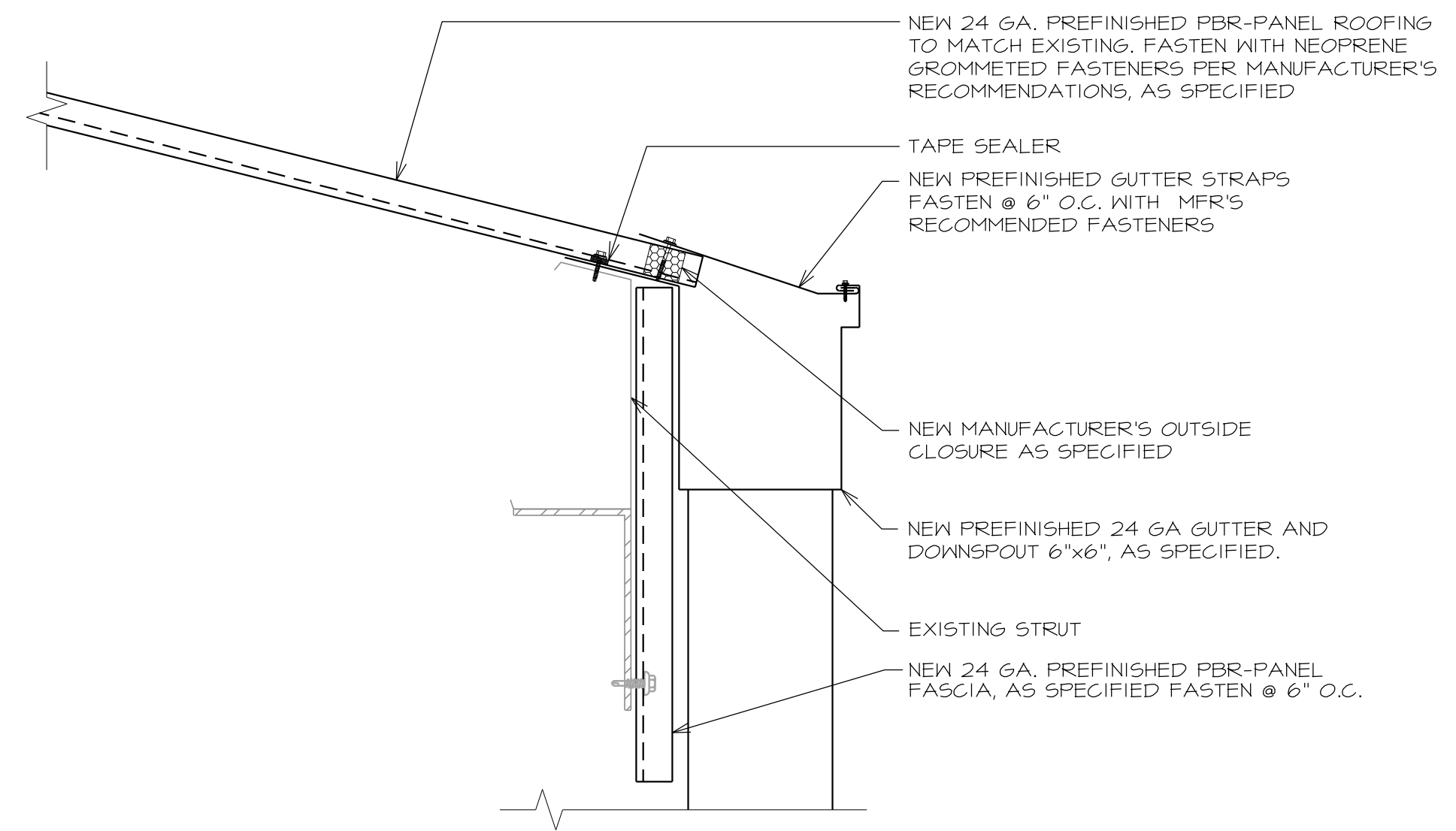
PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE: DETAILS

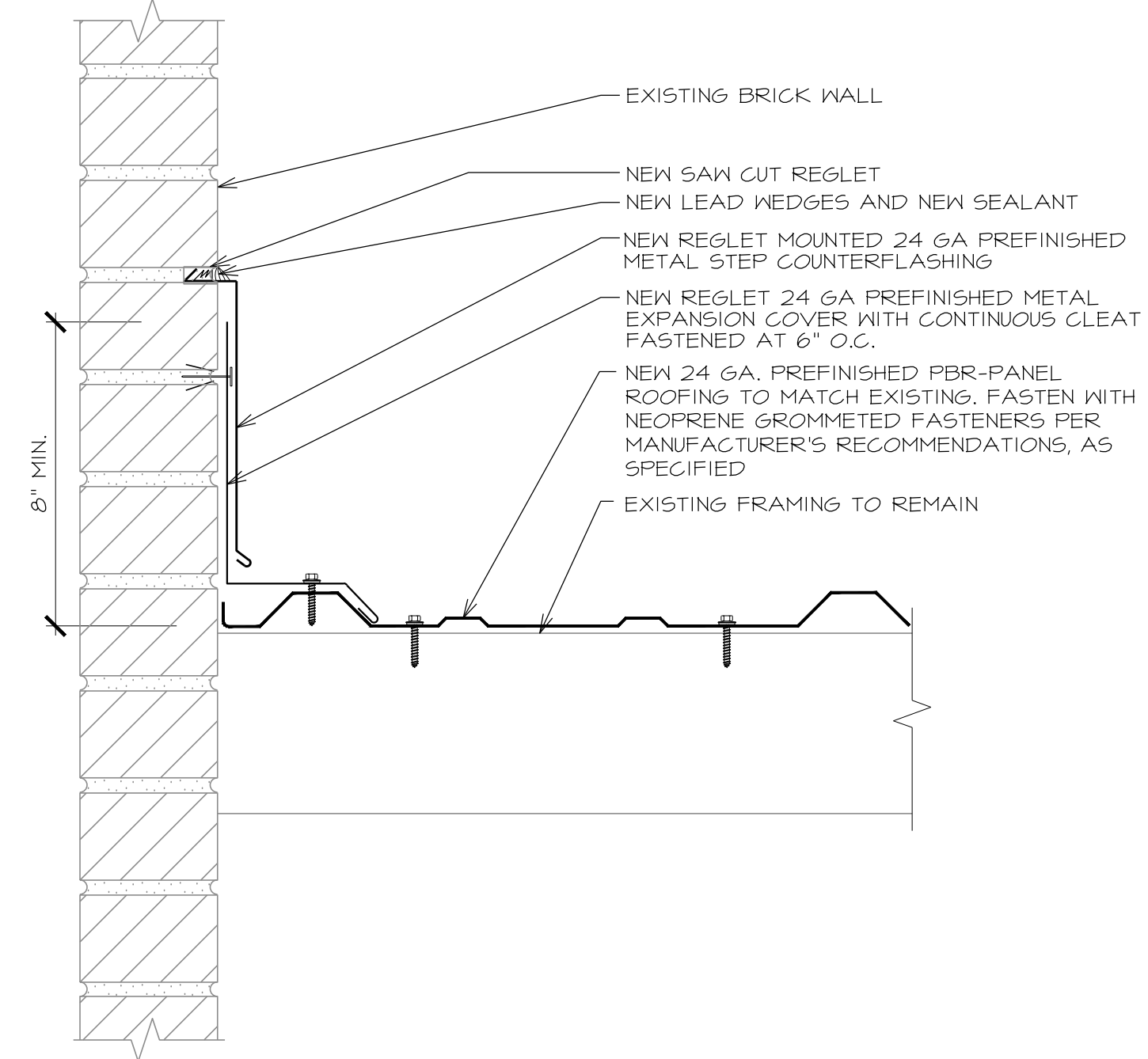
SHEET NO. **A-507**



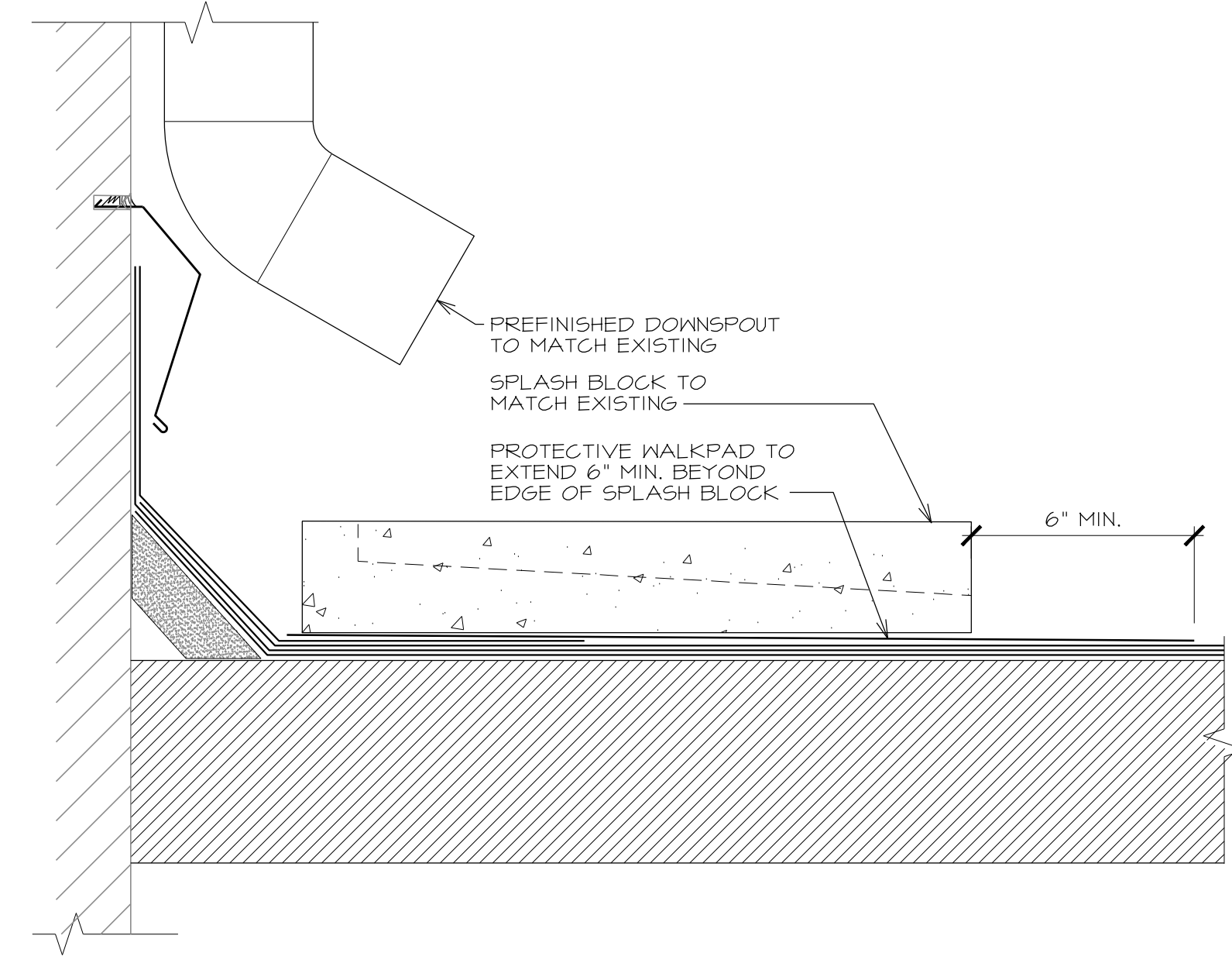
**40 HEAD WALL**  
SCALE: 3" = 1'-0"



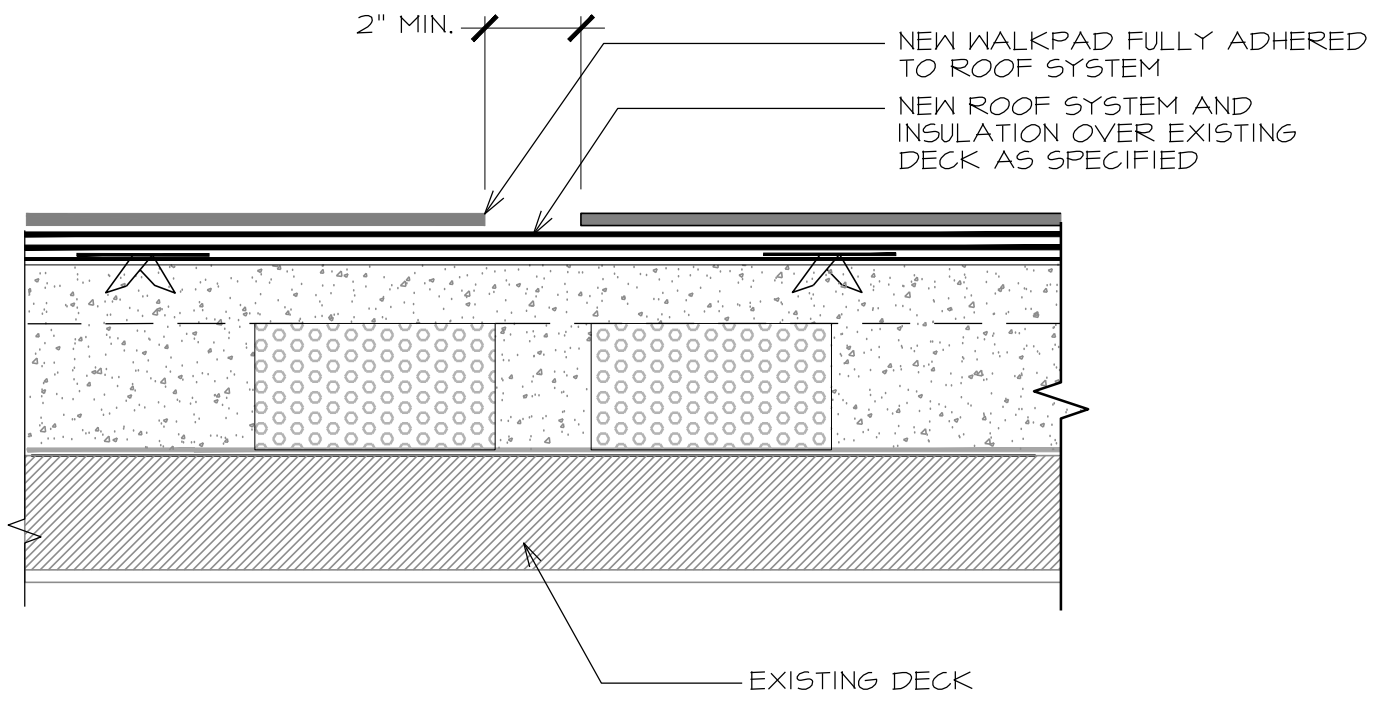
**41 METAL ROOF SYSTEM EAVE/GUTTER**  
SCALE: 3" = 1'-0"



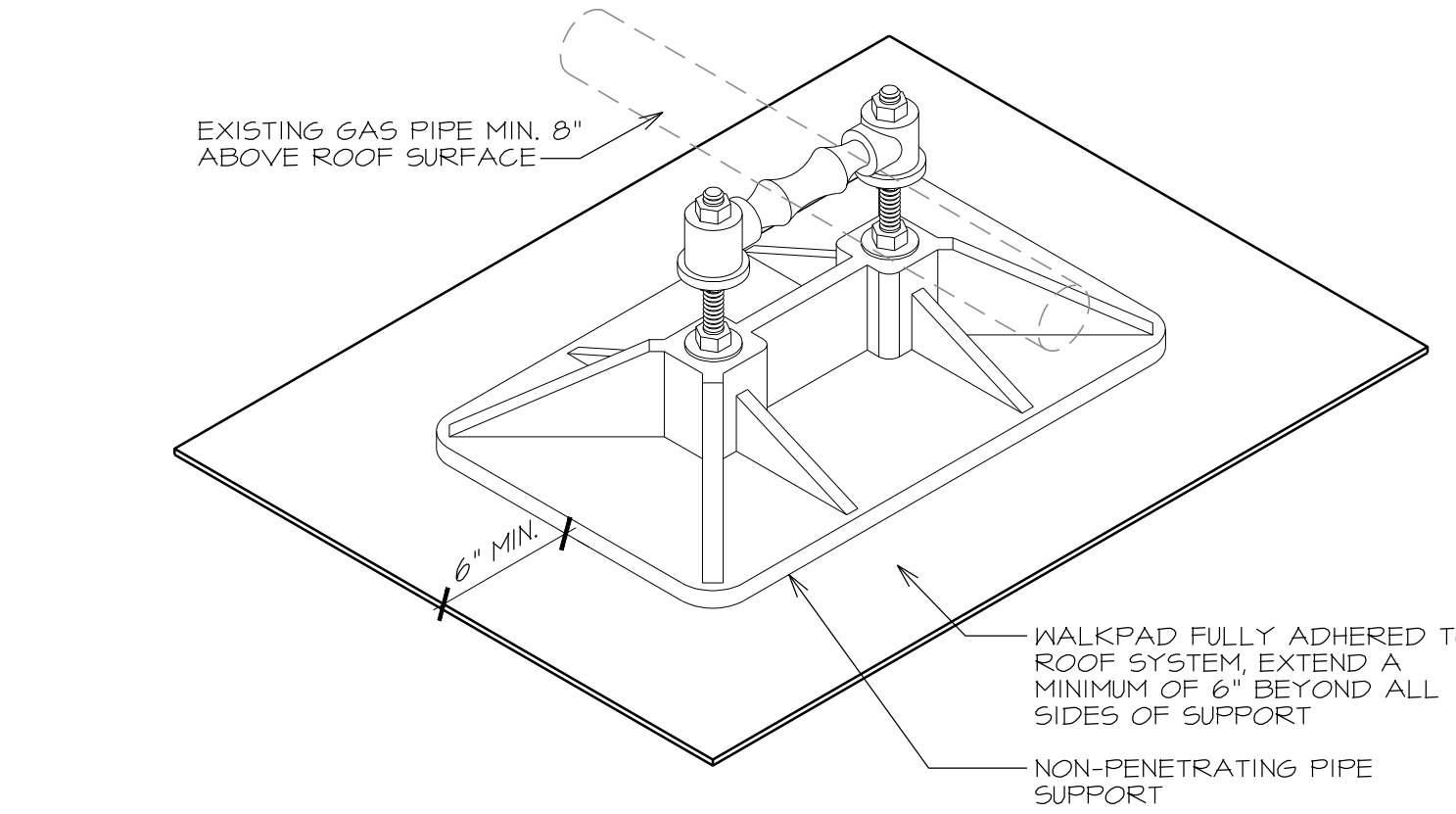
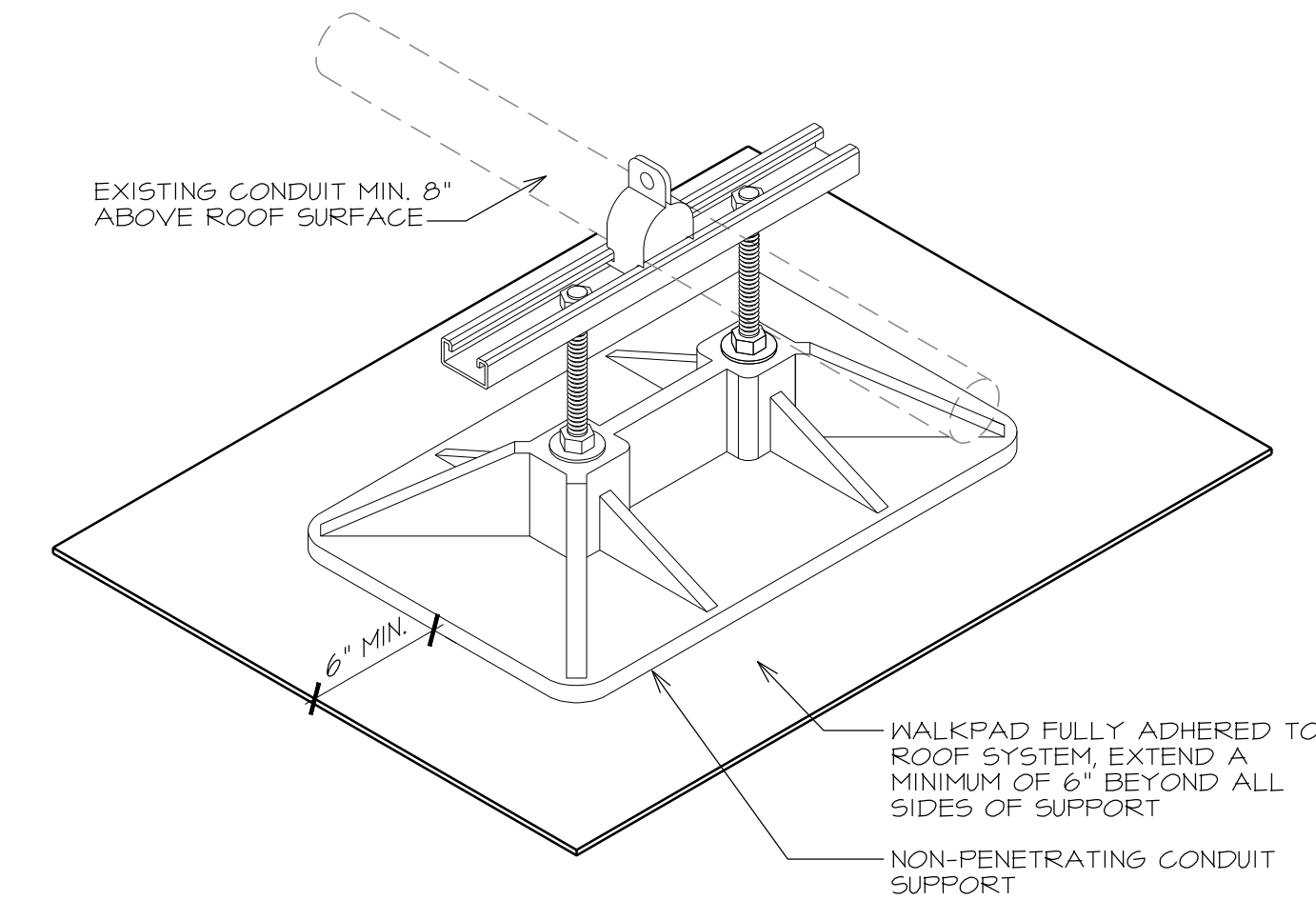
**42 RISE WALL**  
SCALE: N.T.S.



**43 TYPICAL SPLASH BLOCK DETAIL**  
SCALE: N.T.S.



**44 WALKPADS**  
SCALE: 3" = 1'-0"

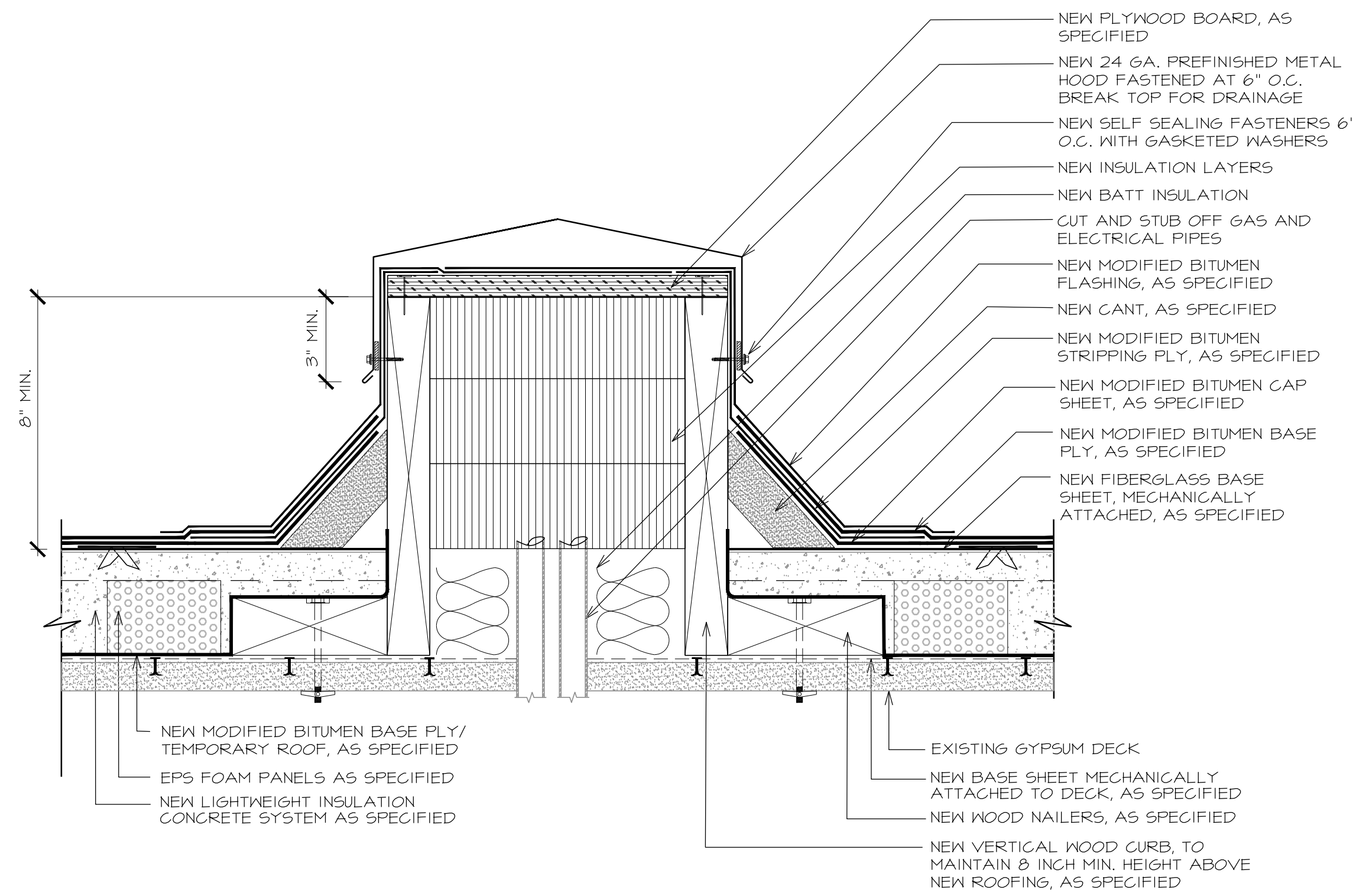


**45 NON PENETRATING PIPE & CONDUIT SUPPORT**  
SCALE: 3" = 1'-0"

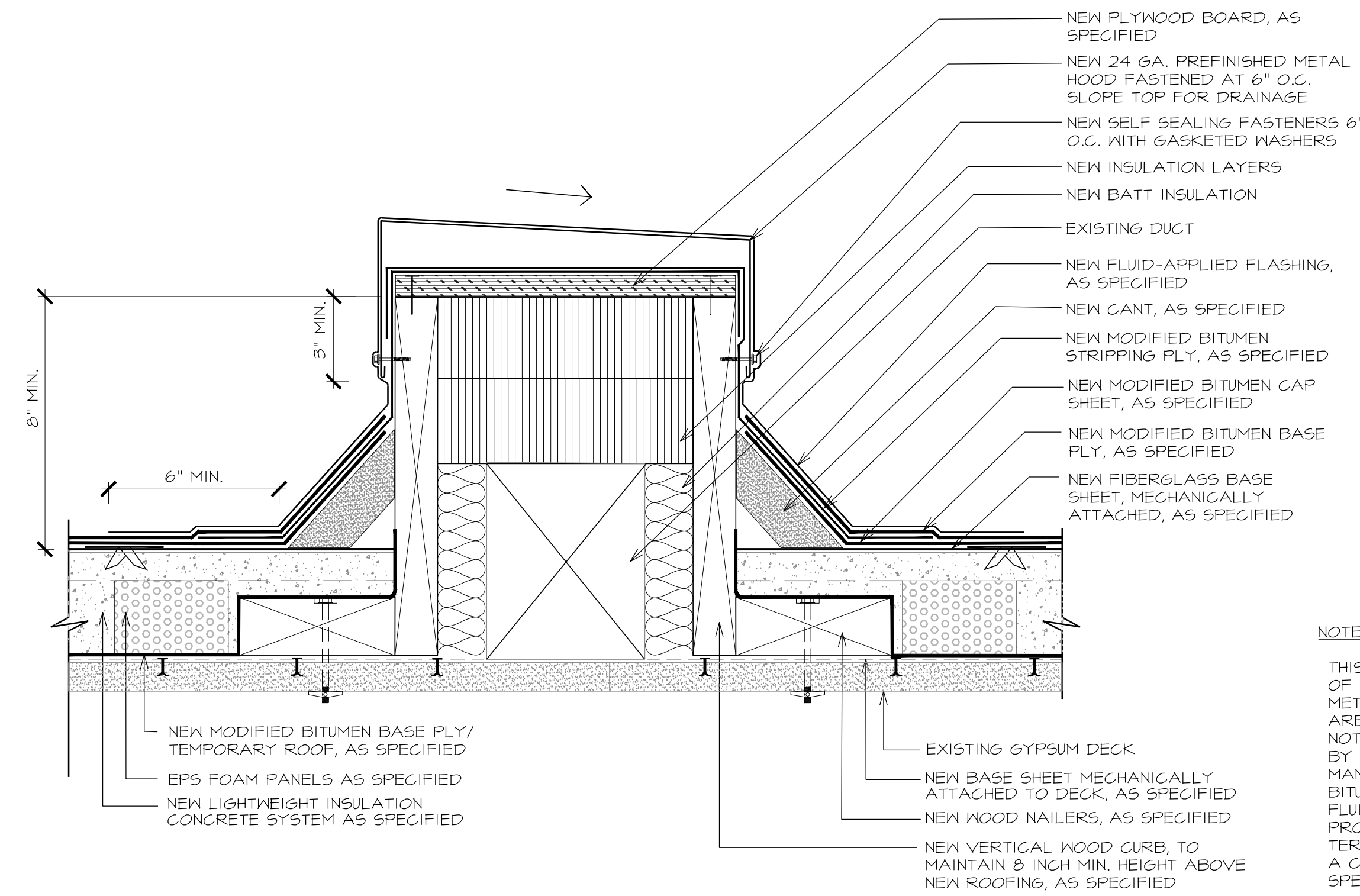


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**46** NEW METAL CAP OVER EXISTING SUPPLY LINES  
A-508 SCALE: 3' = 1'-0"



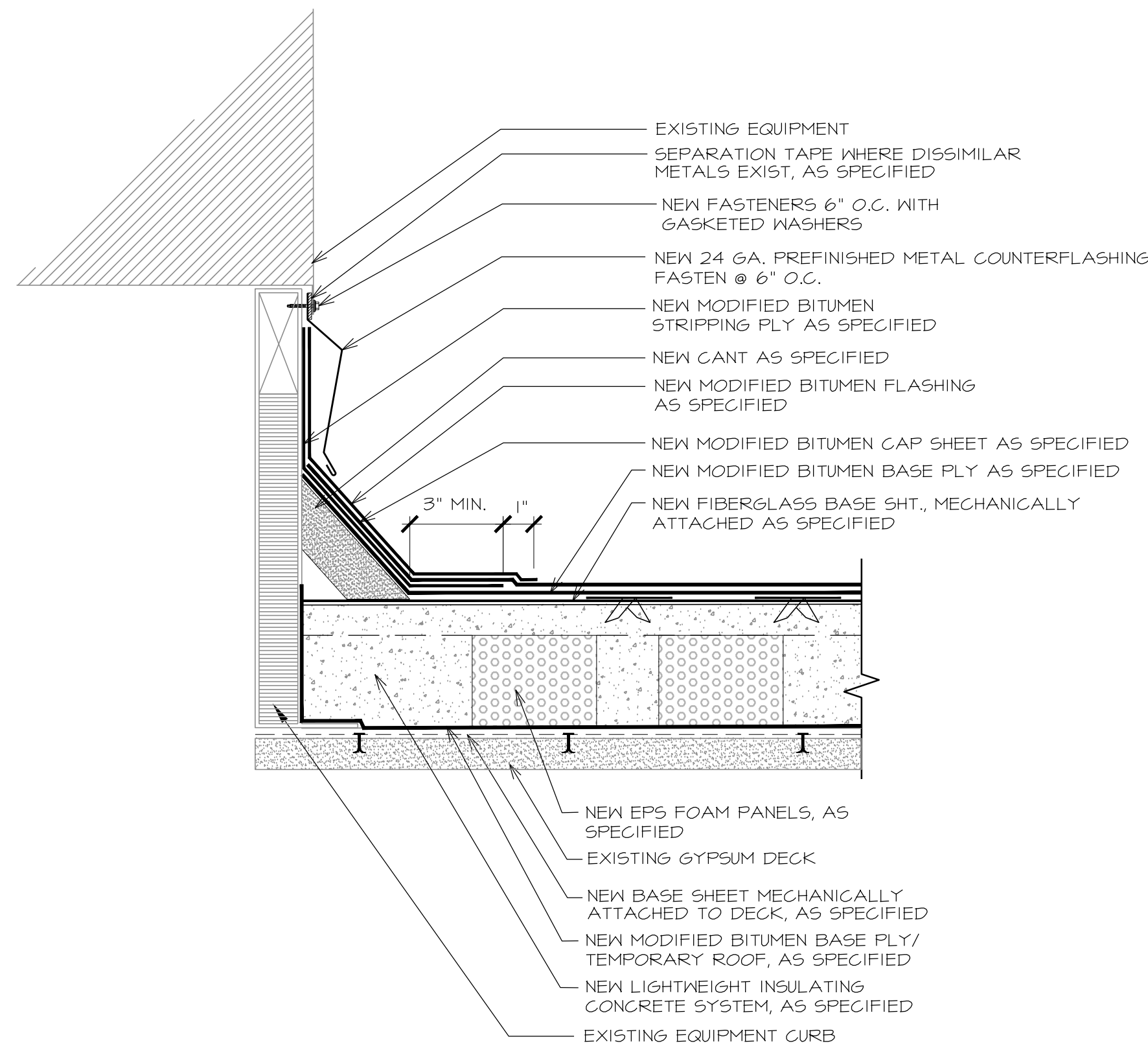
**47** NEW METAL CAP OVER EXISTING DUCT  
A-508 SCALE: 3' = 1'-0"

NOTE:

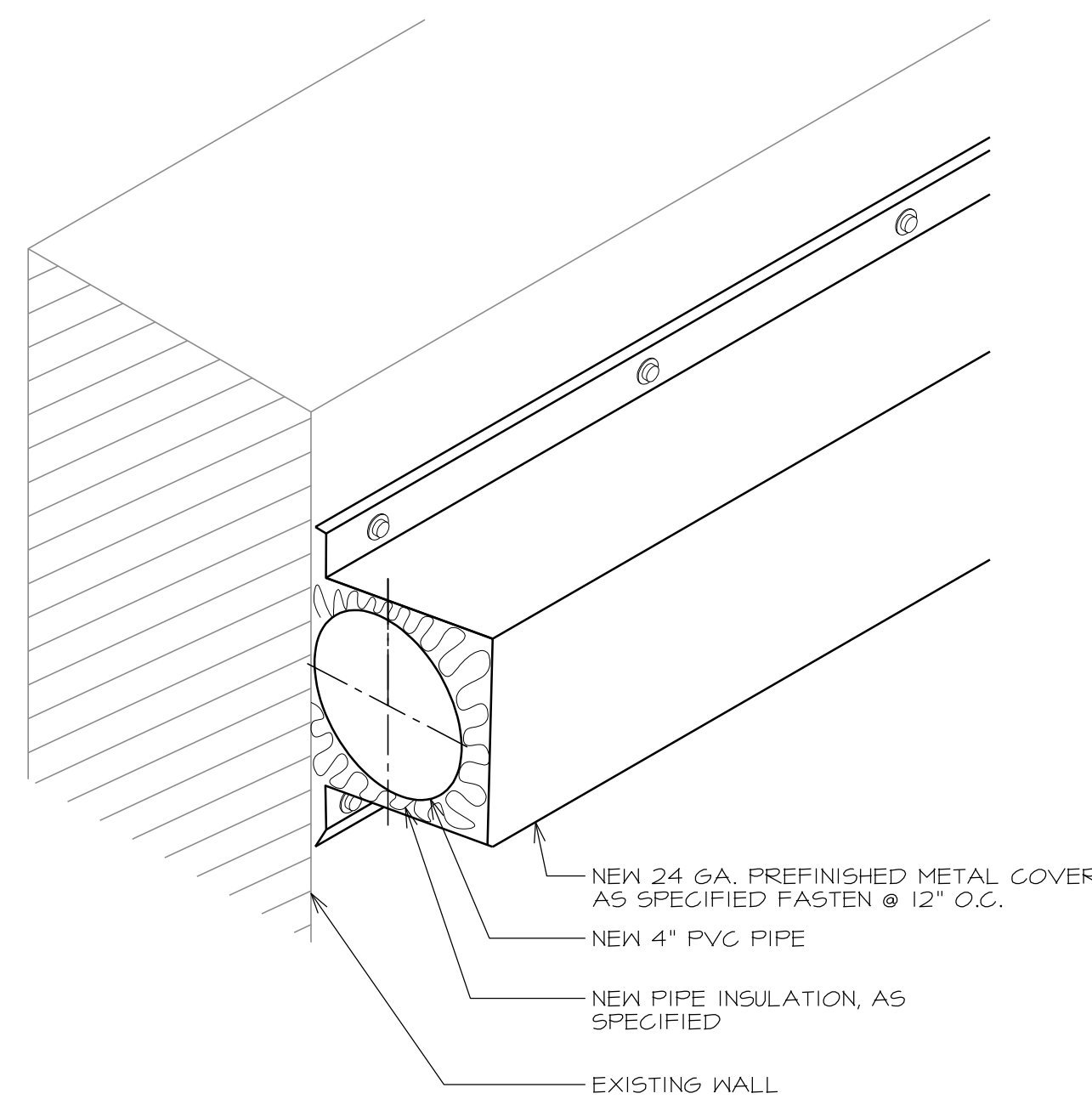
THIS DETAIL SHOWS A CROSS-SECTION OF THE CLOSURE FOR THE HVAC UNIT METALWORK ON AREA N-2. THERE ARE OTHER SURFACES AND ANGLES NOT SHOWN THAT WILL BE ADDRESSED BY THE CONTRACTOR, A/E AND MANUFACTURER OF THE MODIFIED BITUMEN MEMBRANES AND FLUID-APPLIED FLASHING MATERIALS.\* PROPER FLASHING INSTALLATION AND TERMINATIONS WILL BE DETERMINED IN A CONFIGURATION ELIGIBLE FOR THE SPECIFIED GUARANTEE.

NOTE:

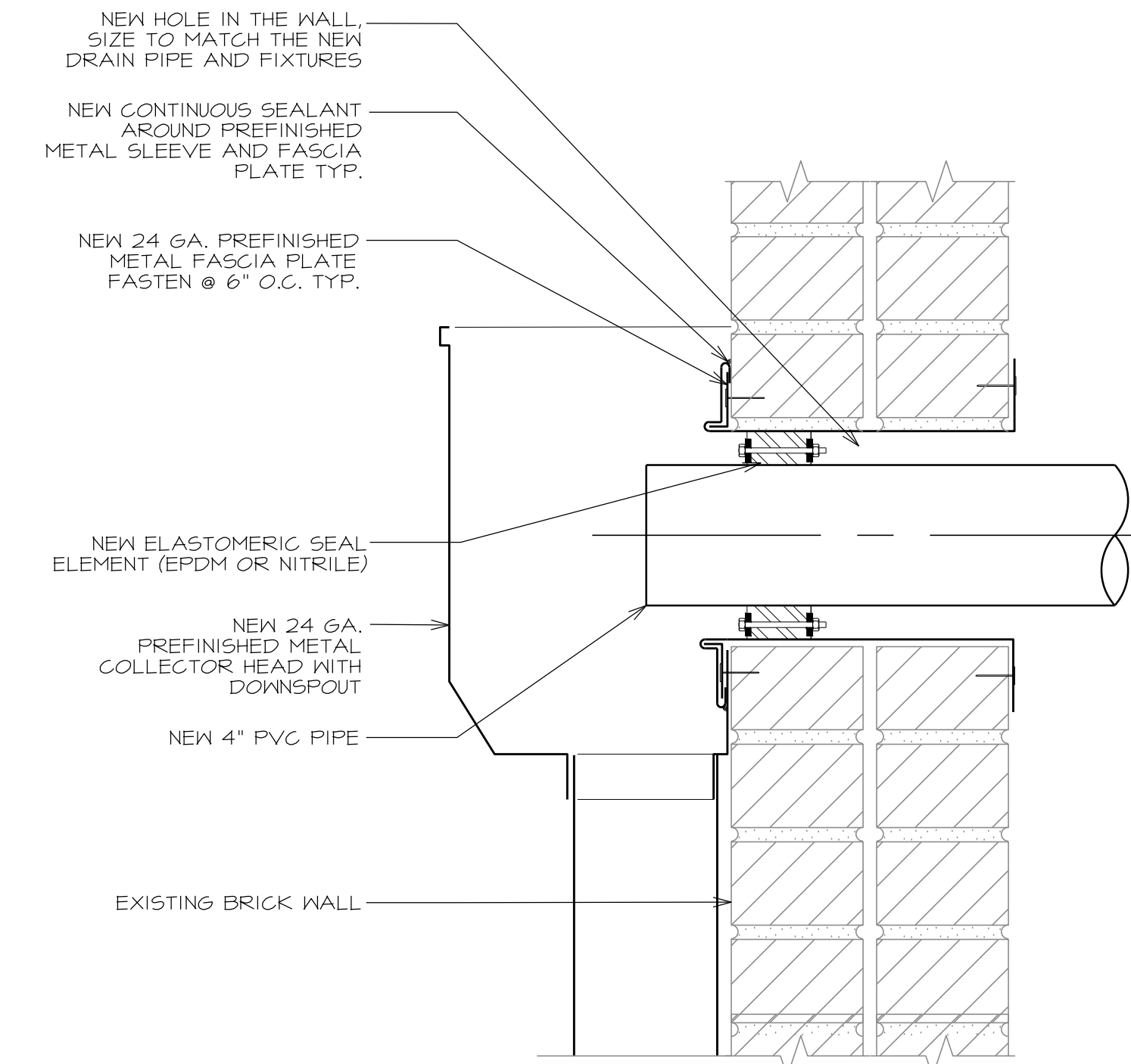
ROUTE PIPING WITH POSITIVE SLOPE UNDER WINDOWS AND BEYOND EXTERIOR WALL.



**48** EQUIPMENT CURB  
A-508 SCALE: 3' = 1'-0"



**49** AREA P DRAIN PIPE COVER  
A-508 SCALE: N.T.S.



**50** THRU WALL DRAIN LEADER  
A-508 SCALE: 3' = 1'-0"

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PHASE 1

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Longview, TX 75601

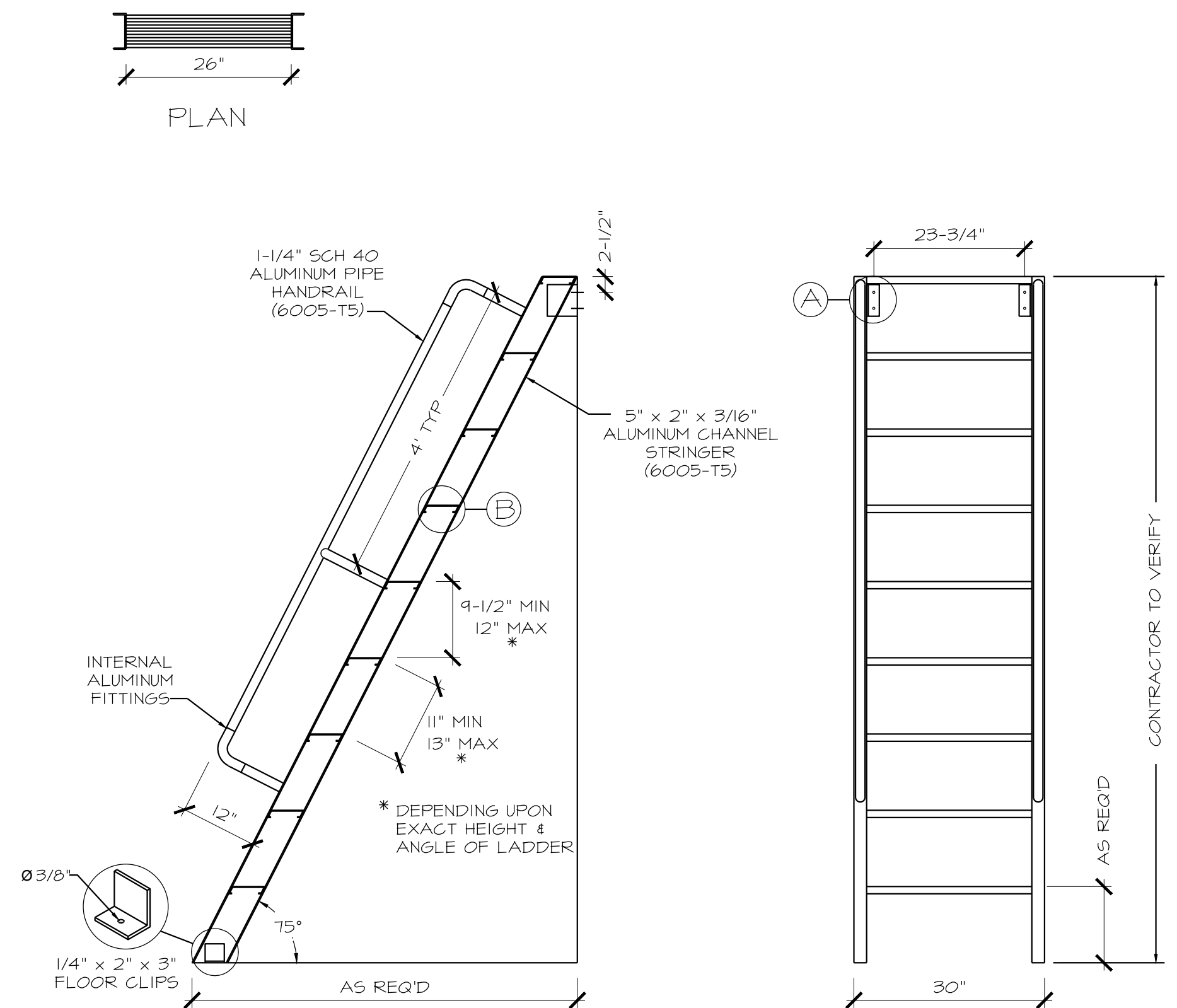
REV.	DATE	DESCRIPTION
0	01/27/2017	ISSUE FOR BID SET

PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

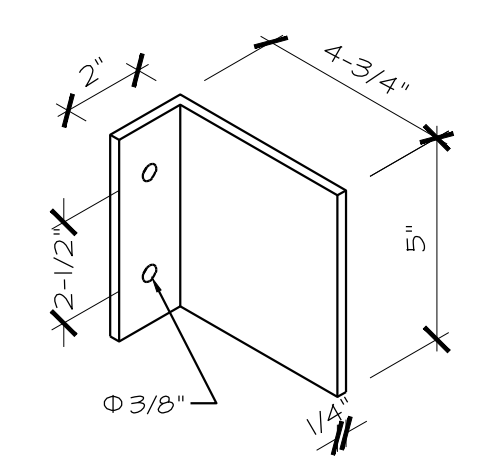
SHEET TITLE:  
DETAILS

SHEET NO.  
**A-508**

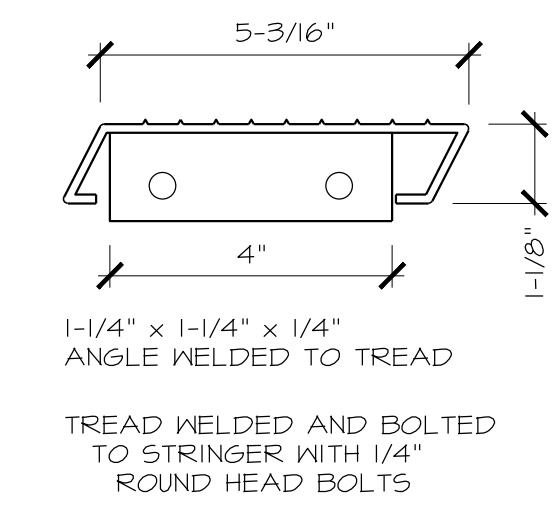




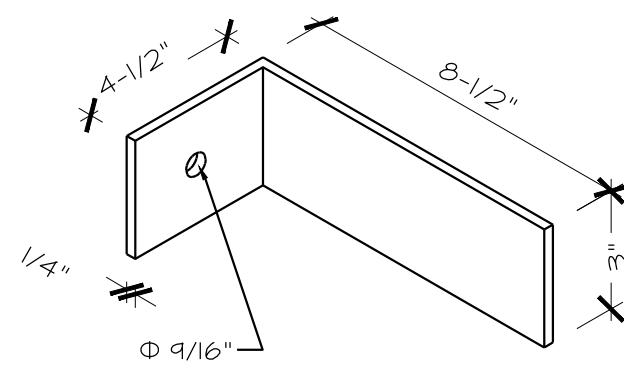
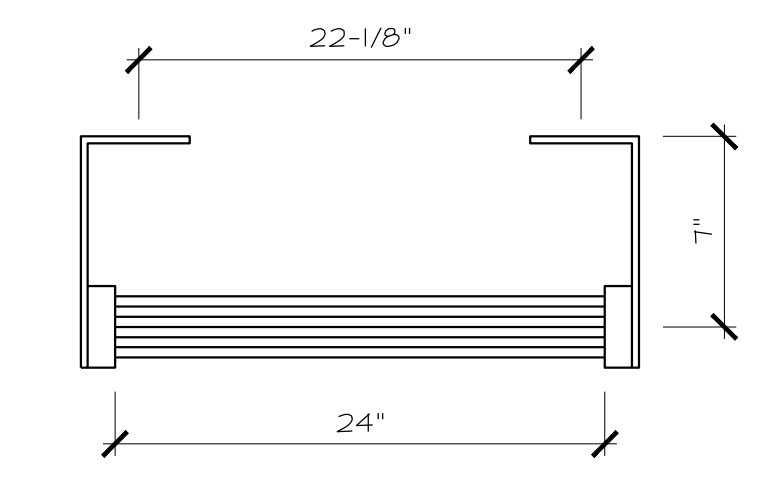
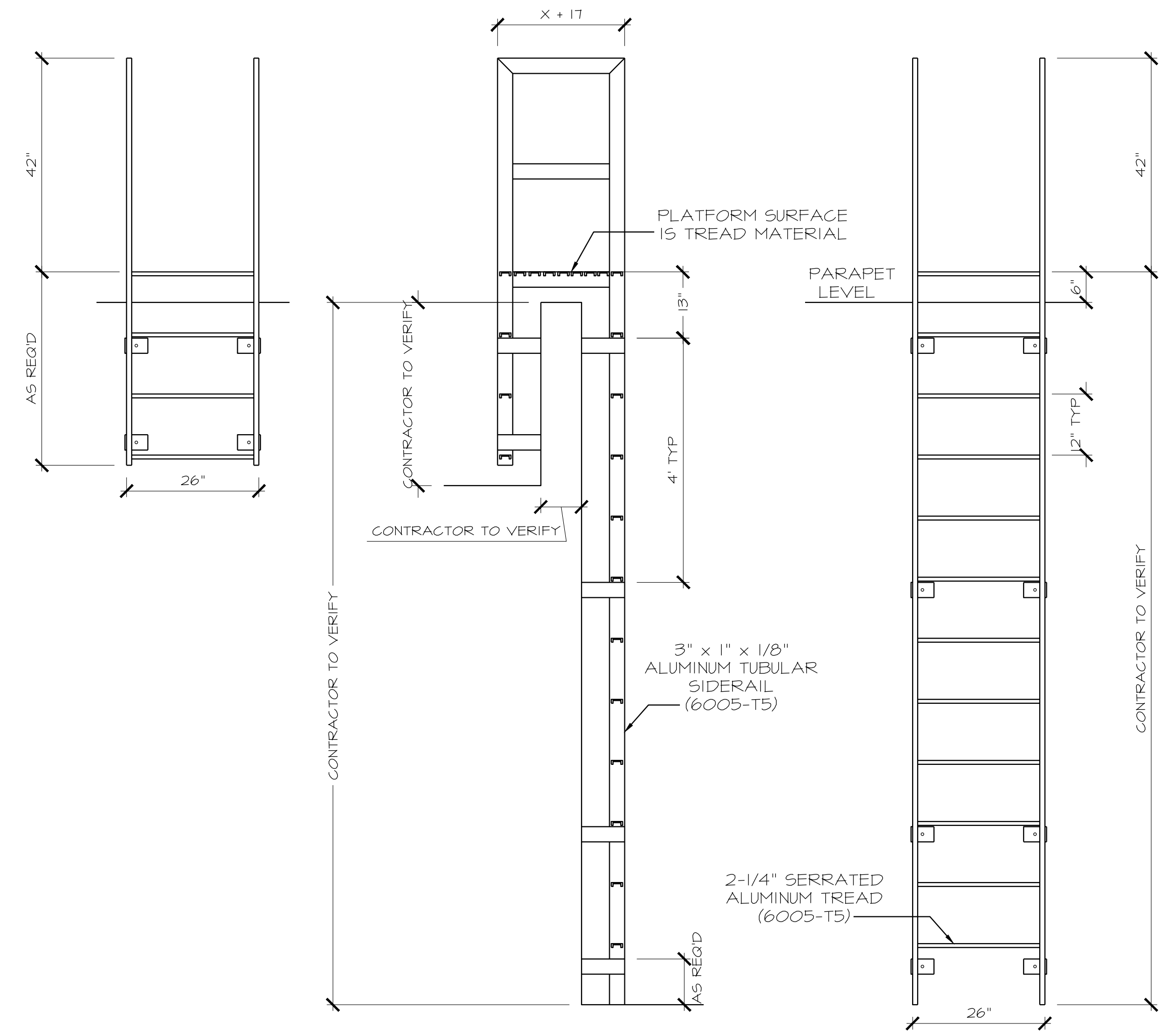
Ⓐ MOUNTING BRACKET (6005-T5)



Ⓑ ALUMINUM TREAD (6005-T5)



51 ALUMINUM SHIPS LADDER TO ROOF HATCH  
A-509 SCALE: NTS



52 FIXED ROOF LADDER  
A-509 SCALE: NTS

COMPLY WITH OSHA 1910.27 AND ANSI 14.3

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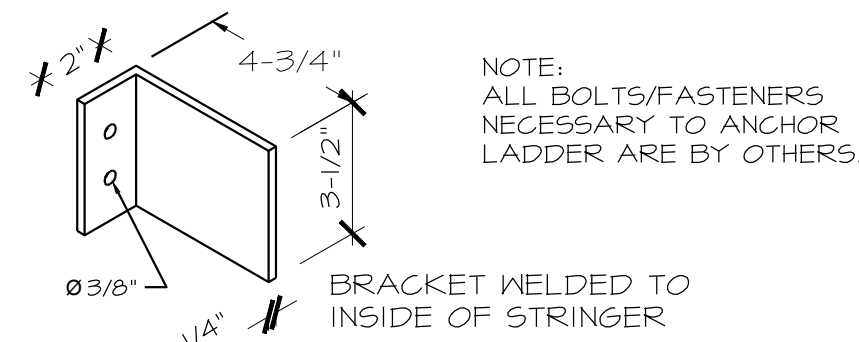
PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE: DETAILS

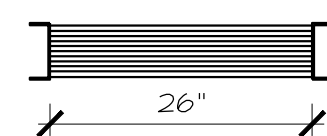
SHEET NO. **A-509**



**(A) MOUNTING BRACKET**  
(6005-T5)

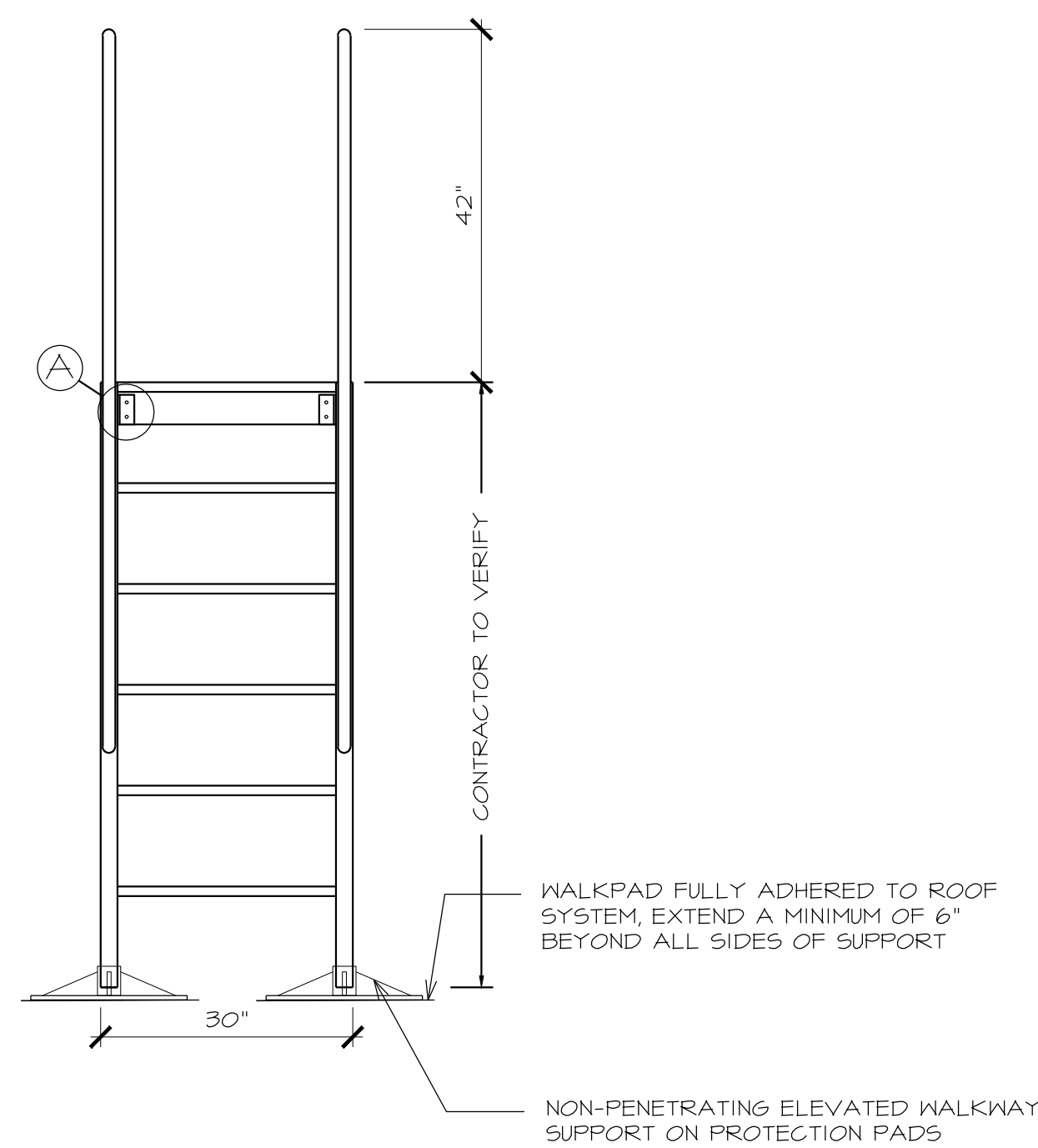
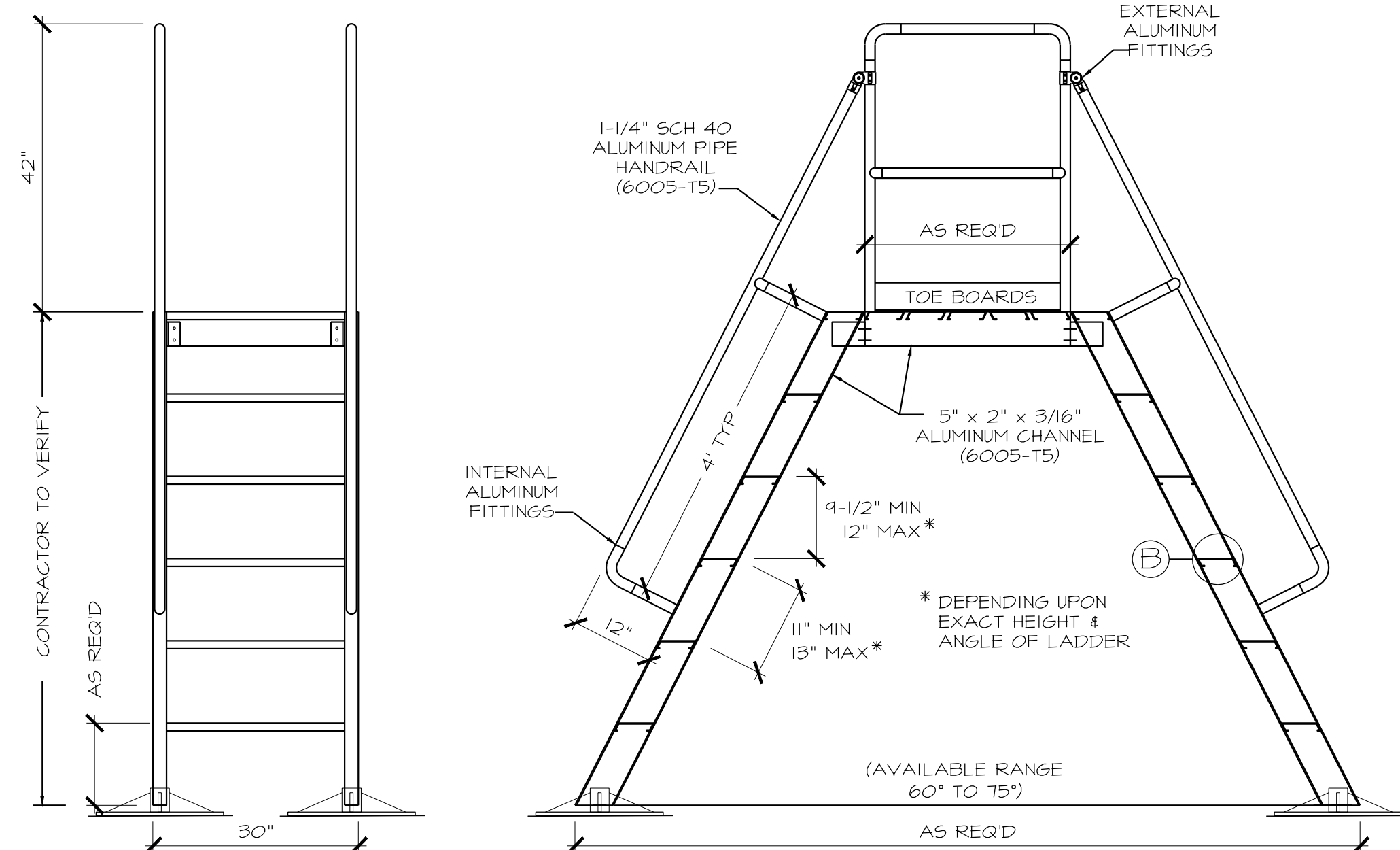
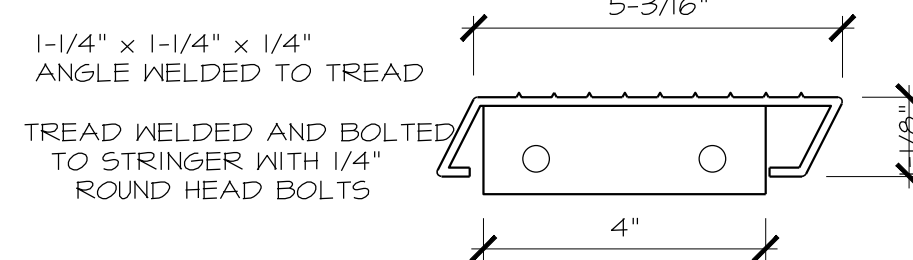


**FACTORY FINISH**  
**ALUMINUM-MILL FINISH**

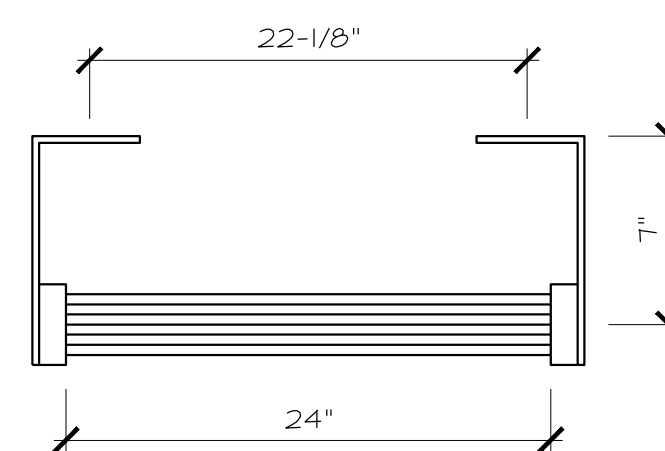
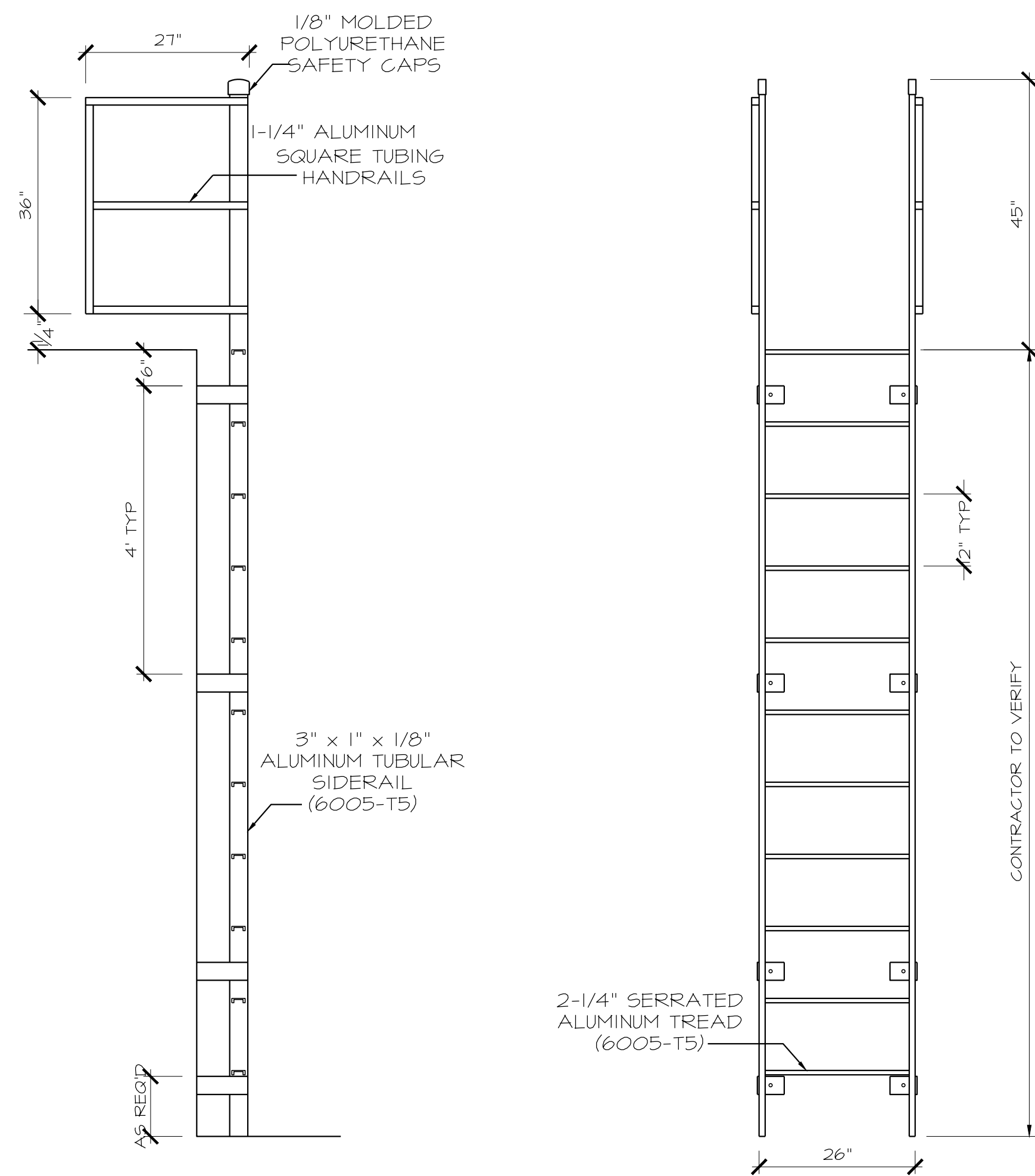


**PLAN**  
(PLATFORM AND HANDRAILS OMITTED FOR CLARITY)

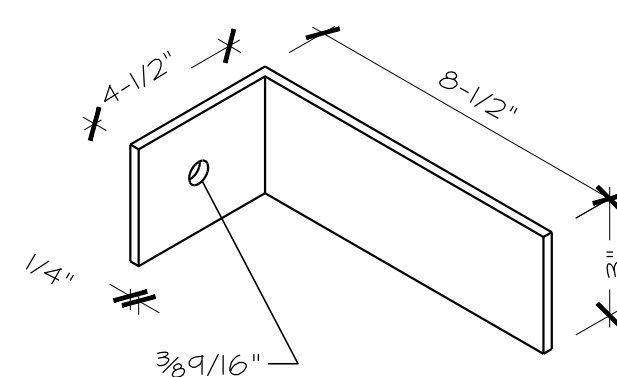
**(B) ALUMINUM TREAD**  
(6005-T5)



**(53) NON-PENETRATING CROSSOVER LADDER**  
A-510 SCALE: NTS

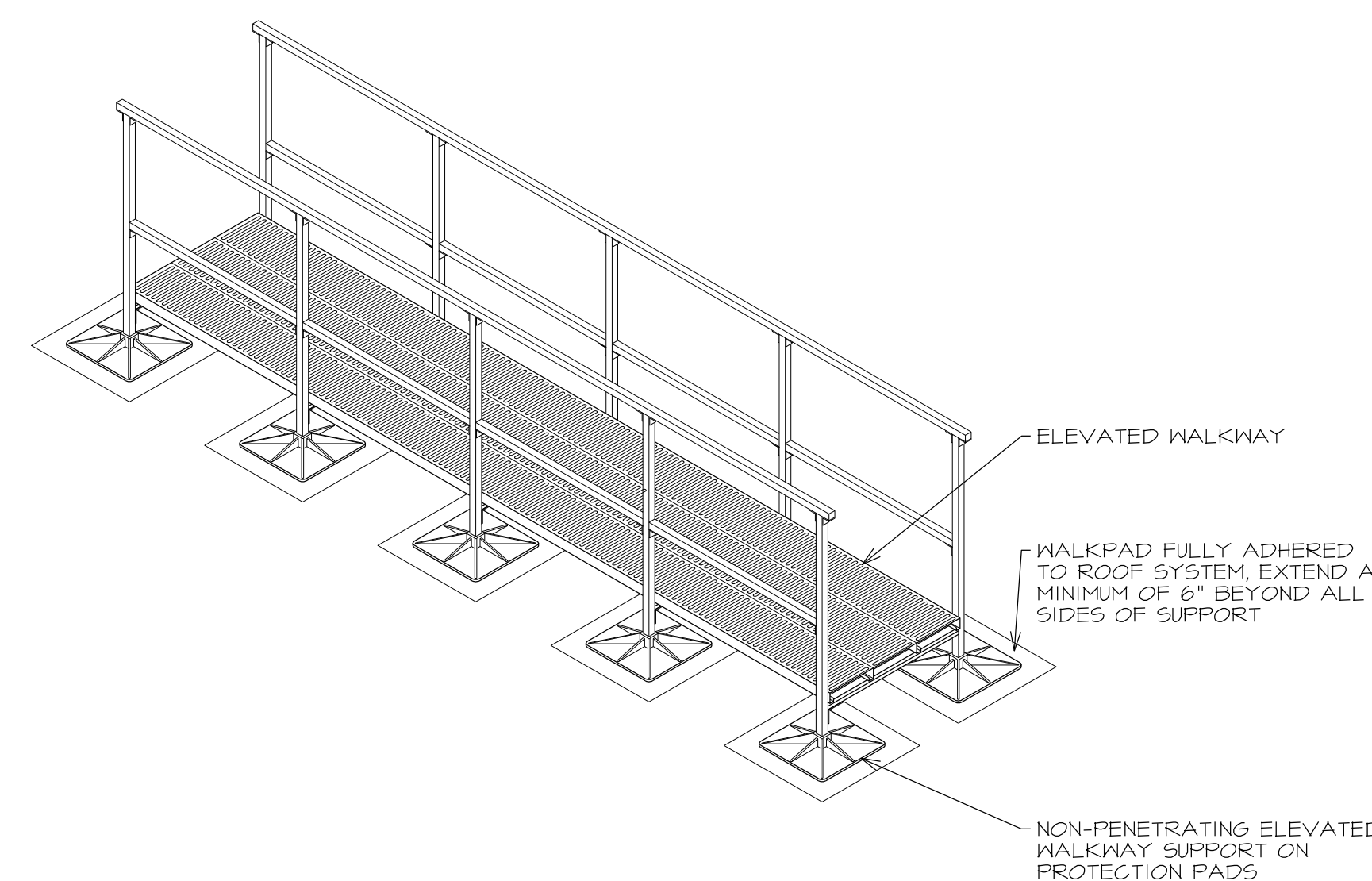


**PLAN**  
(HANDRAILS OMITTED FOR CLARITY)



**BRACKET DETAIL**

LADDERS MANUFACTURED BY PRECISION LADDERS, LLC  
COMPLY WITH OSHA 1910.27 AND ANSI 14.3



**(54) FIXED LADDER W/WALK-THRU**  
A-510 SCALE: NTS

**(55) NON-PENETRATING ELEVATED WALKWAY**  
A-510 SCALE: NTS

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PHASE 1

BID#2017-703

A ROOF REPLACEMENT AT

GREGG COUNTY COURTHOUSE

101 EAST METHVIN

Longview, TX 75601

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PROJECT NO:	1-132-1
CAD DWG FILE:	A-500 DETAILS
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE: DETAILS

SHEET NO. **A-510**



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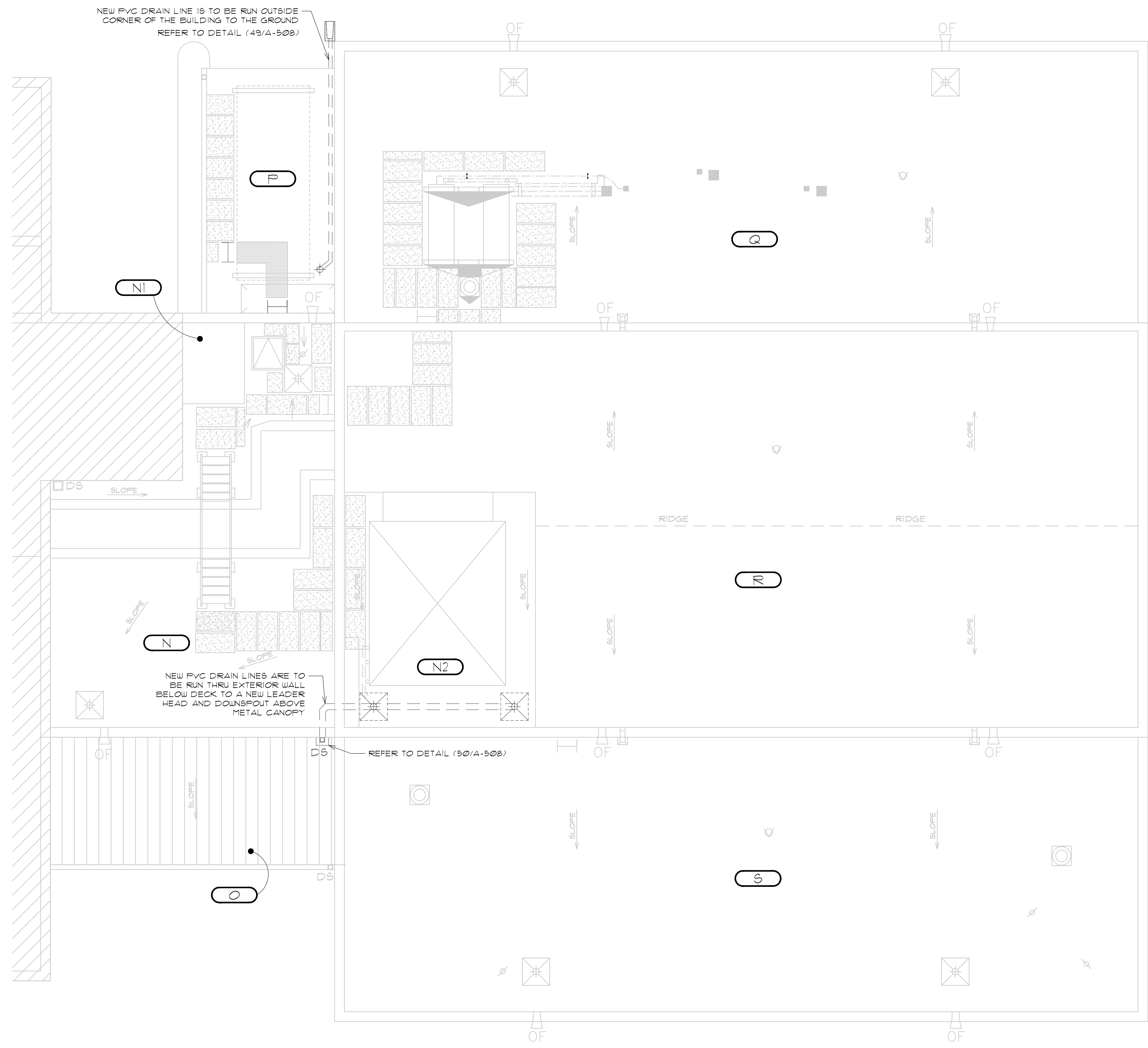
PROJECT NO:	1-132-1
CAD DWG FILE:	P100-Roof Drain Layout
DRAWN BY:	AA
CHECKED BY:	VC
OCCUPANCY GROUP:	GROUP A

SHEET TITLE:  
**ROOF DRAIN LAYOUT**

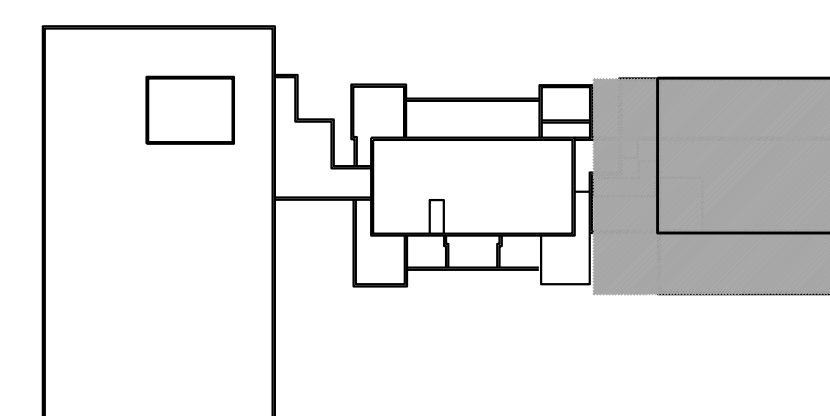
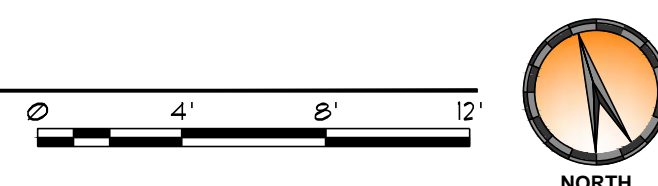
SHEET NO.  
**P-100**

**LEGEND**

	GUTTER DOWNSPOUT		ROOF LADDER
	OVERFLOW SCUPPER		PITCH PAN
	HVAC UNIT		ROOF VENT
	EQUIP ON SUPPORTS		VENT STACK
	EQUIPMENT CURB		SLOPE
	POWERED VENT		CONDENSATION LINE
	ROOF DRAIN		GAS LINE
	ROOF HATCH		ELECTRIC CONDUIT
	CRICKET		PIPE SUPPORT
	NEW PVC PIPE		WALK PAD
	SPLASHBLOCK		ROOF AREA - ID
			NOT IN CONTRACT
			DETAIL TAG
			DETAIL NUMBER
			DETAIL SHEET *



**1 NEW ROOF DRAIN LAYOUT**  
 P-100 SCALE: 3/16" = 1'-0"



**2 KEY PLAN**  
 P-100 SCALE: N.T.S.

