



PORT OF PORT ARTHUR

RE-ROOF GULF MARITIME and WAREHOUSE #2

221 HOUSTON AVENUE PORT ARTHUR, TEXAS

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 221 HOUSTON AVENUE
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GULF MARITIME

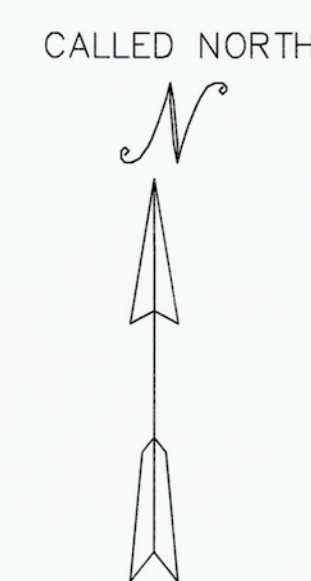
SCHEDULE OF DRAWINGS	
CIVIL	
COV-1	COVER SHEET
A1.1	FLOOR PLAN
A1.4	ENLARGED NEW DOCK ROOF FRAMING PLAN
A2.1	ROOF PLAN
A3.0	EXTERIOR ELEVATIONS
A3.1	ENLARGED WALL SECTION & ROOF DETAILS
A4.0	BLDG. CROSS SECTIONS

WAREHOUSE #2

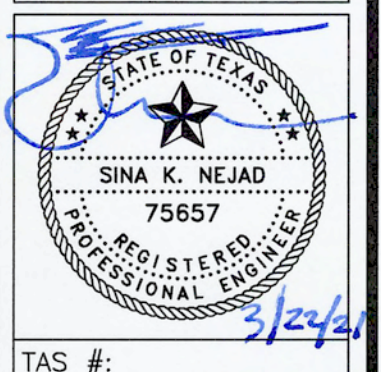
SCHEDULE OF DRAWINGS	
CIVIL	
COV-1	COVER SHEET
A7.1	NEW ROOF PLAN & DETAILS
A7.2	NEW ROOF DETAILS



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AERIAL VIEW
 SCALE: N.T.S.



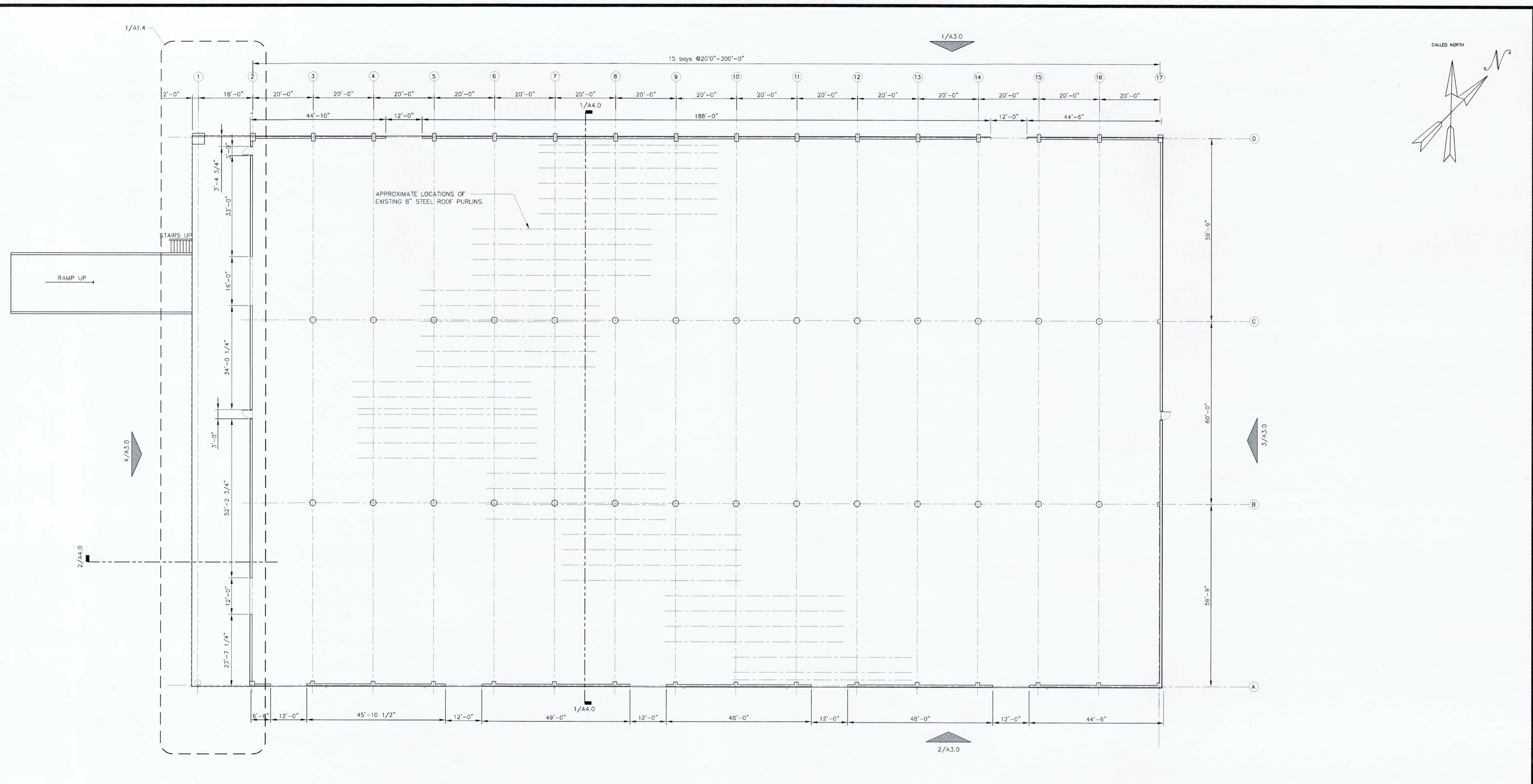
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SHEET NUMBER
COV-1

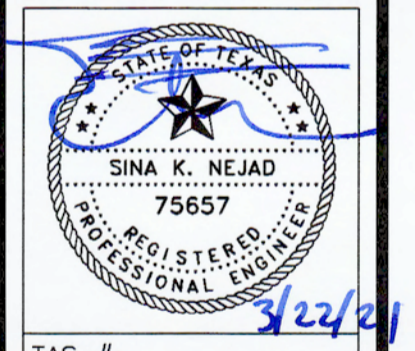
20-285
 PROJECT NO.

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PORT OF PORT ARTHUR
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1 FLOOR PLAN
 SCALE: 1/16" = 1'-0"

ALTERNATE #1

1. PROVIDE UNIT COST FOR A NEW 16GAx8" "Z" PURLIN 24' LONG, W/ZINC OXIDE PRIMED COATING. COST TO INCLUDE REMOVAL OF ONE ROOF PURLIN WITH NEW INSTALLATION OF A NEW 24' LONG PURLIN WITH NEW BOLTS PER WIND LOAD DESIGN REQUIREMENTS

ALTERNATE #2

1. PROVIDE 24GA "PBR" PANELS WITH KYNAR 500 FINISH IN LIEU OF CONCEALED FASTENERS WITH STANDING SEAM ROOF.

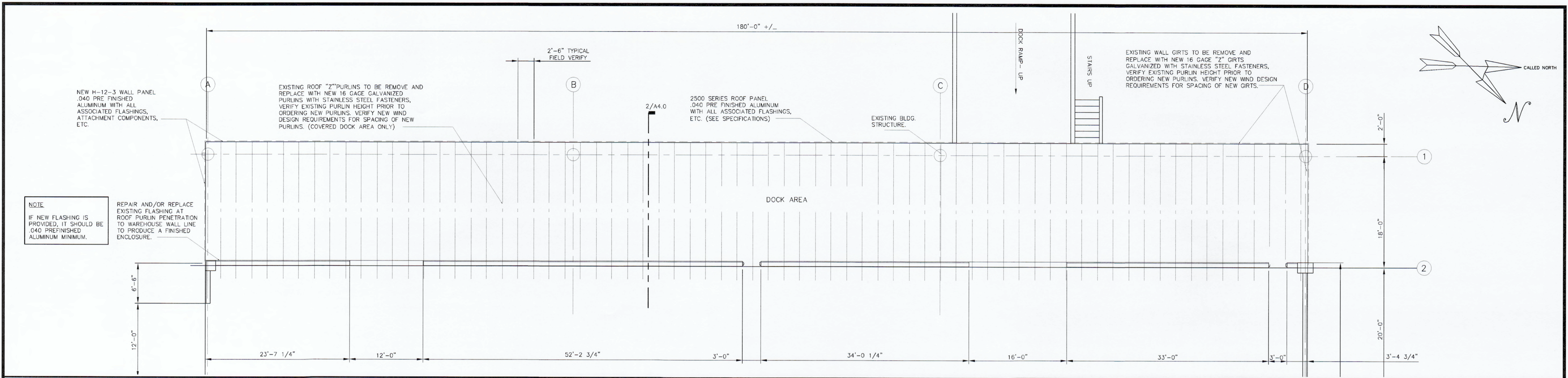
GENERAL SCOPE OF WORK FOR ROOF REPLACEMENT

1. THE ENTIRE METAL ROOF, GUTTERS, FLASHING, ETC. TO BE REMOVED FROM EXISTING ROOF PURLINS. CONTRACTOR TO DISPOSE OF ALL DEMOLISHED DEBRIS.
2. FIELD VERIFY ALL EXISTING CONDITIONS OF ROOF PURLINS, FOR METAL ROOF INSTALLATION, (.040 ALUMINUM) SEE ALTERNATE #1 FOR UNIT COST OF DETERIORATED ROOF PURLINS. NOTED PURLINS, SHOULD BE REVIEWED WITH DESIGN PROFESSIONAL PRIOR TO REMOVAL AND REPLACEMENT OF SAME.
3. THE COVERED DOCK AREA AT FRONT OF BUILDING WILL REQUIRE ALL METAL ROOF, PURLINS, WALL GIRTS, METAL WALL PANELS TO BE REMOVED AND REPLACED. BRACING TO REMOVE AND REPLACED ADDITIONAL BRACING, MAY BE REQUIRED PER WIND LOAD DESIGN. REQUIREMENTS. SEE DETAILS SHEETS: A1.4, A2.1, A3.1 & A4.0
4. REPLACE METAL ROOF WITH .040 PREFINISHED ALUMINUM, ROOF PANELS (2" RIBSx16" WIDE) WITH CONCEALED FASTENERS. CONCEALED FASTENERS ARE TO BE TWO PARTS, UPPER SECTION TO BE STAINLESS STEEL, LOWER SECTION OF FASTENER TO BE STEEL WITH COATED STEEL #14xT80 SCREW DRILLING SCREWS ALL FASTENERS DIRECTLY RELATED TO ALUMINUM ROOF PANELS, WILL BE STAINLESS STEEL. SEE SPECS.

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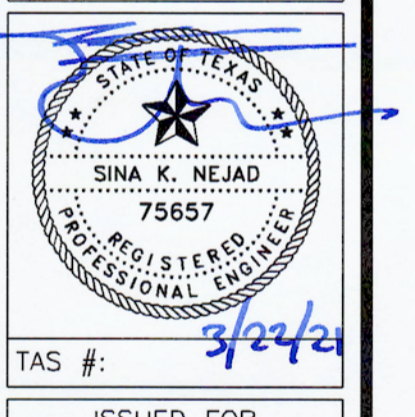
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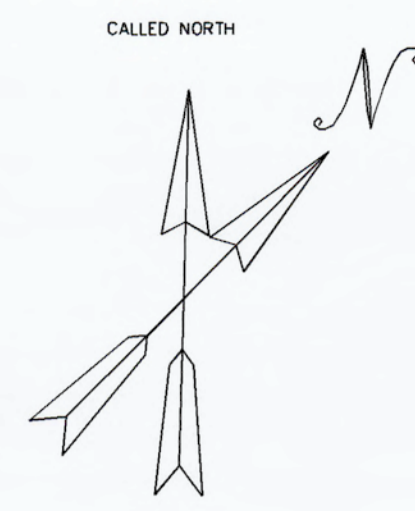
1 ENLARGED DOCK ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

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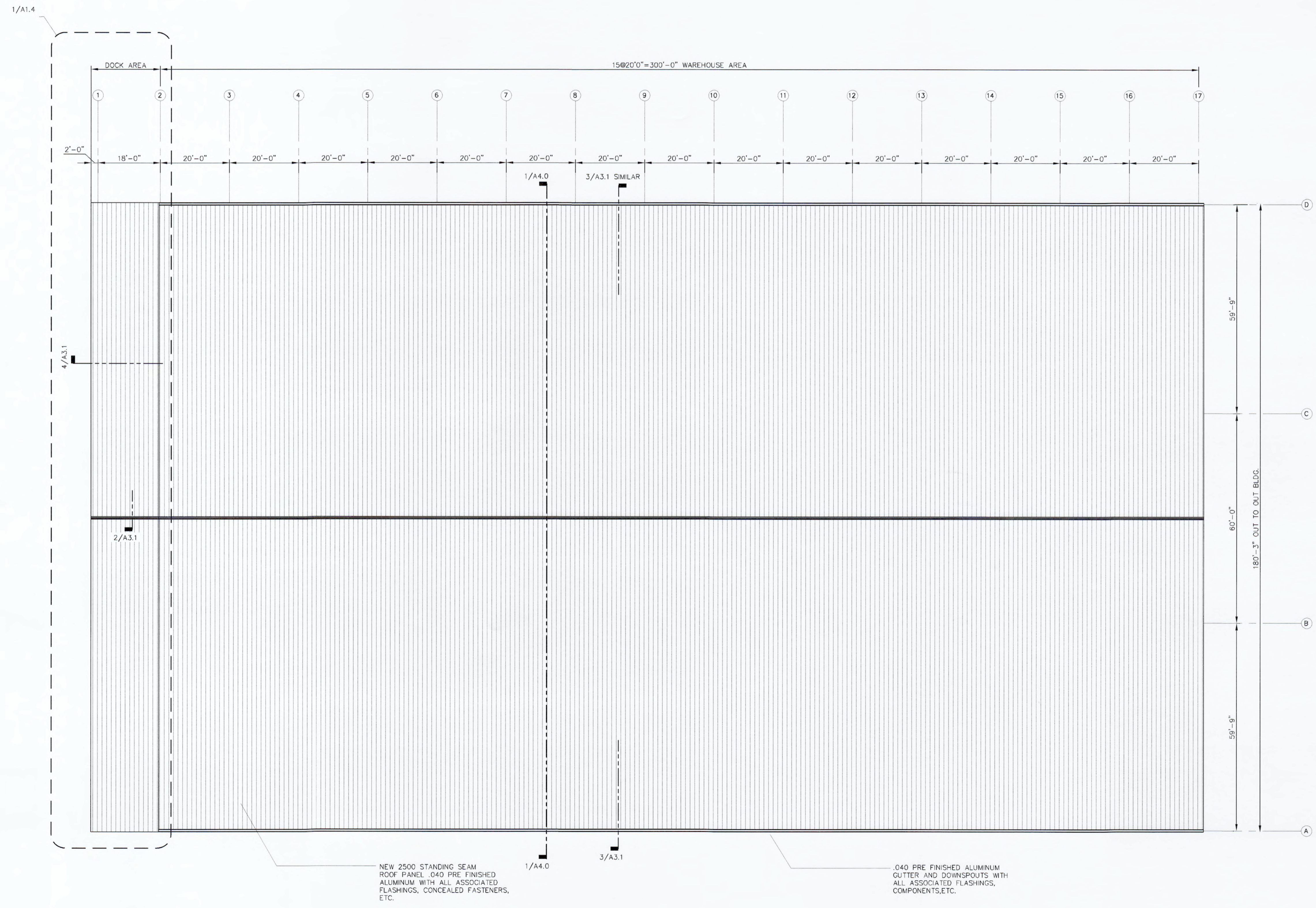
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- ALTERNATE #1**
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1 ROOF PLAN
 SCALE: 1/16" = 1'-0"

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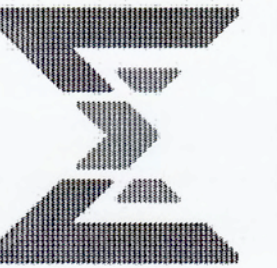
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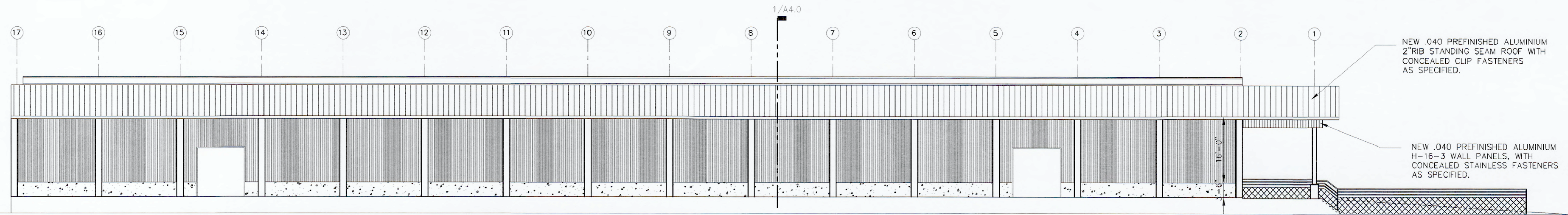
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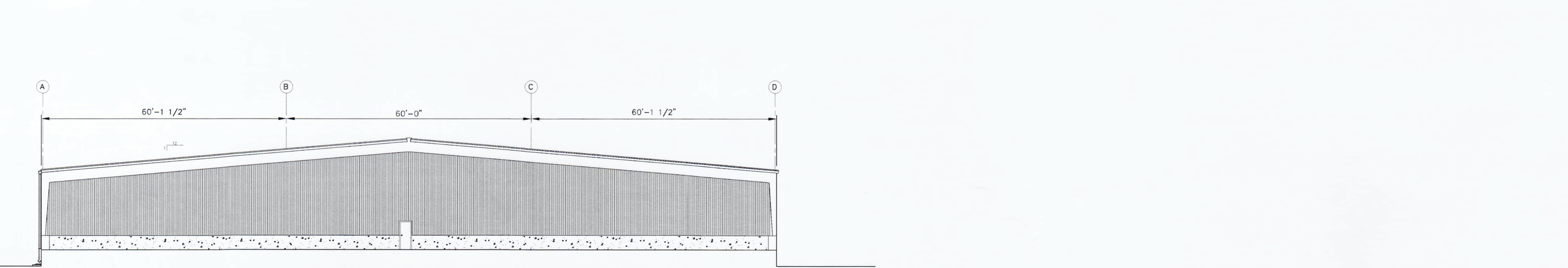
NEW .040 PREFINISHED ALUMINIUM
 2"RIB STANDING SEAM ROOF WITH
 CONCEALED CLIP FASTENERS
 AS SPECIFIED.

NEW .040 PREFINISHED ALUMINIUM
 H-16-4 WALL PANELS, WITH CONCEALED
 STAINLESS FASTENERS
 AS SPECIFIED.

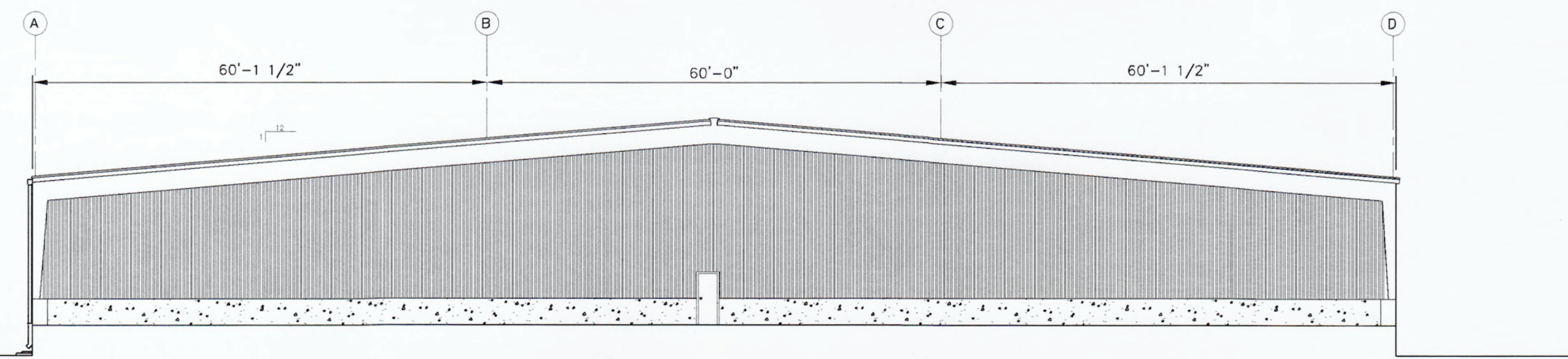
1 ELEVATION—Southern Exposure
 SCALE: 1/16" = 1'-0"



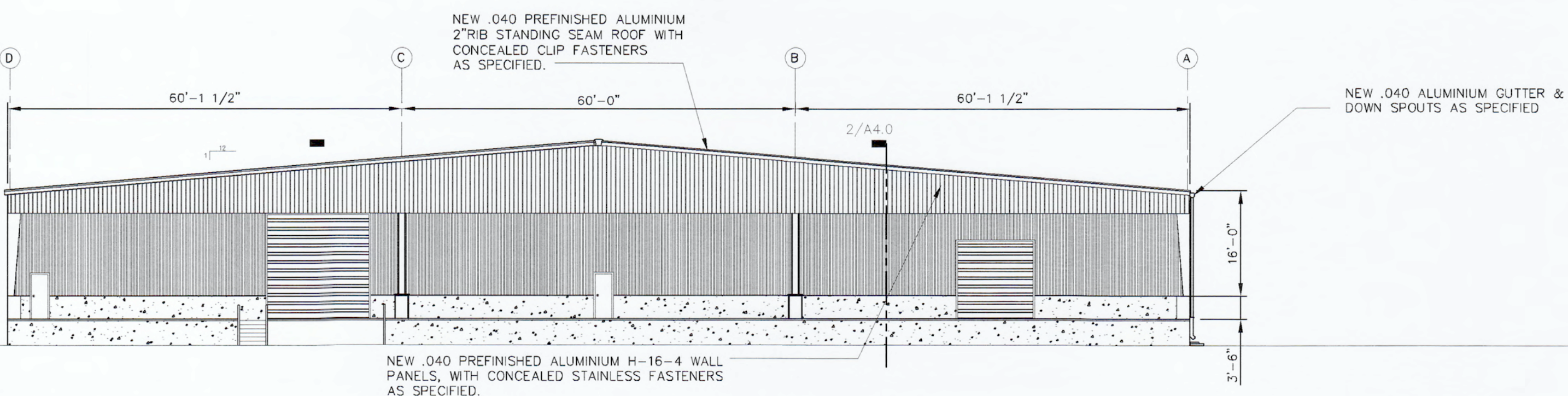
2 ELEVATION—Northern Exposure
 SCALE: 1/16" = 1'-0"



3 ELEVATION—Eastern Exposure
 SCALE: 1/16" = 1'-0"



4 ELEVATION—Western Exposure
 SCALE: 1/16" = 1'-0"



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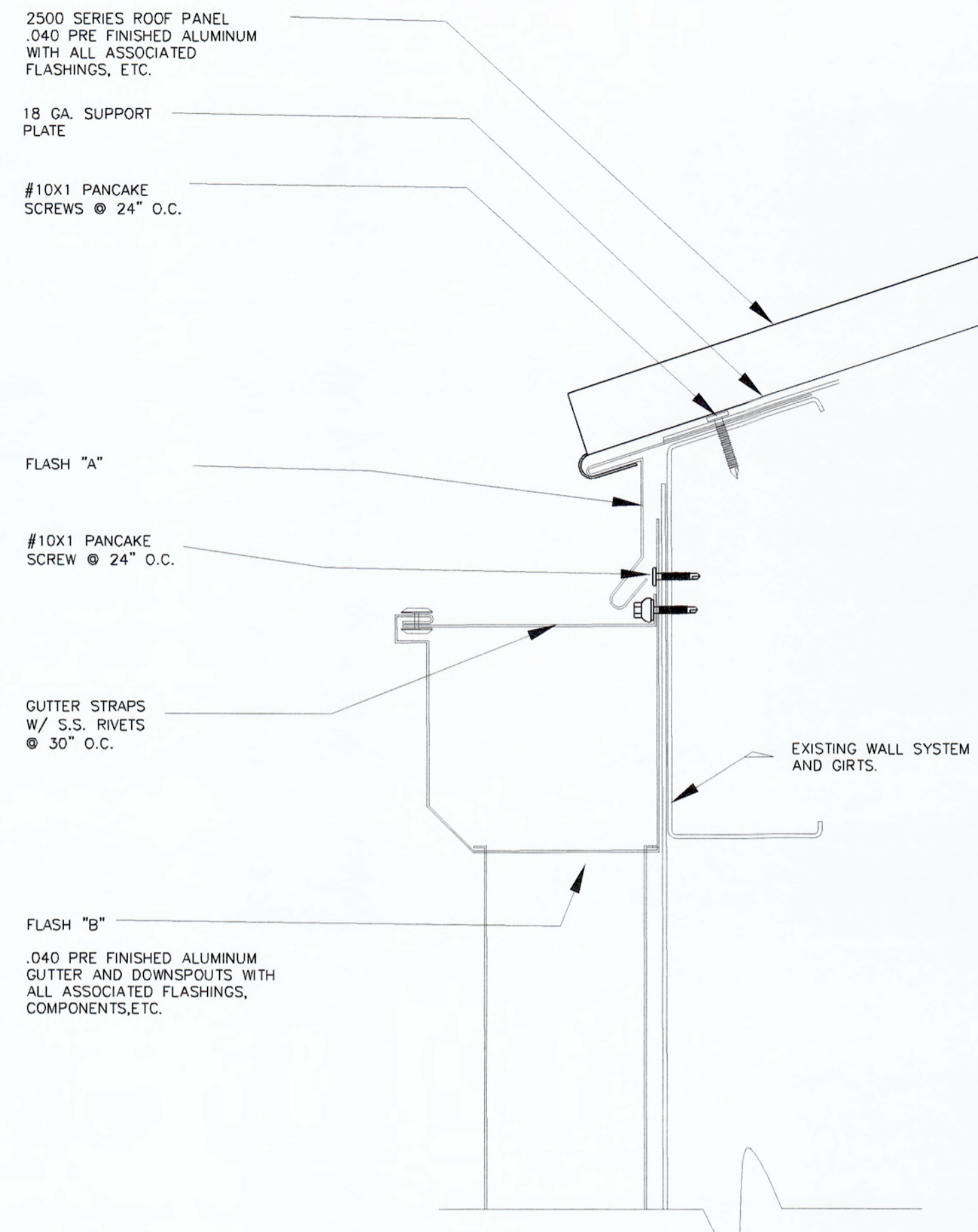
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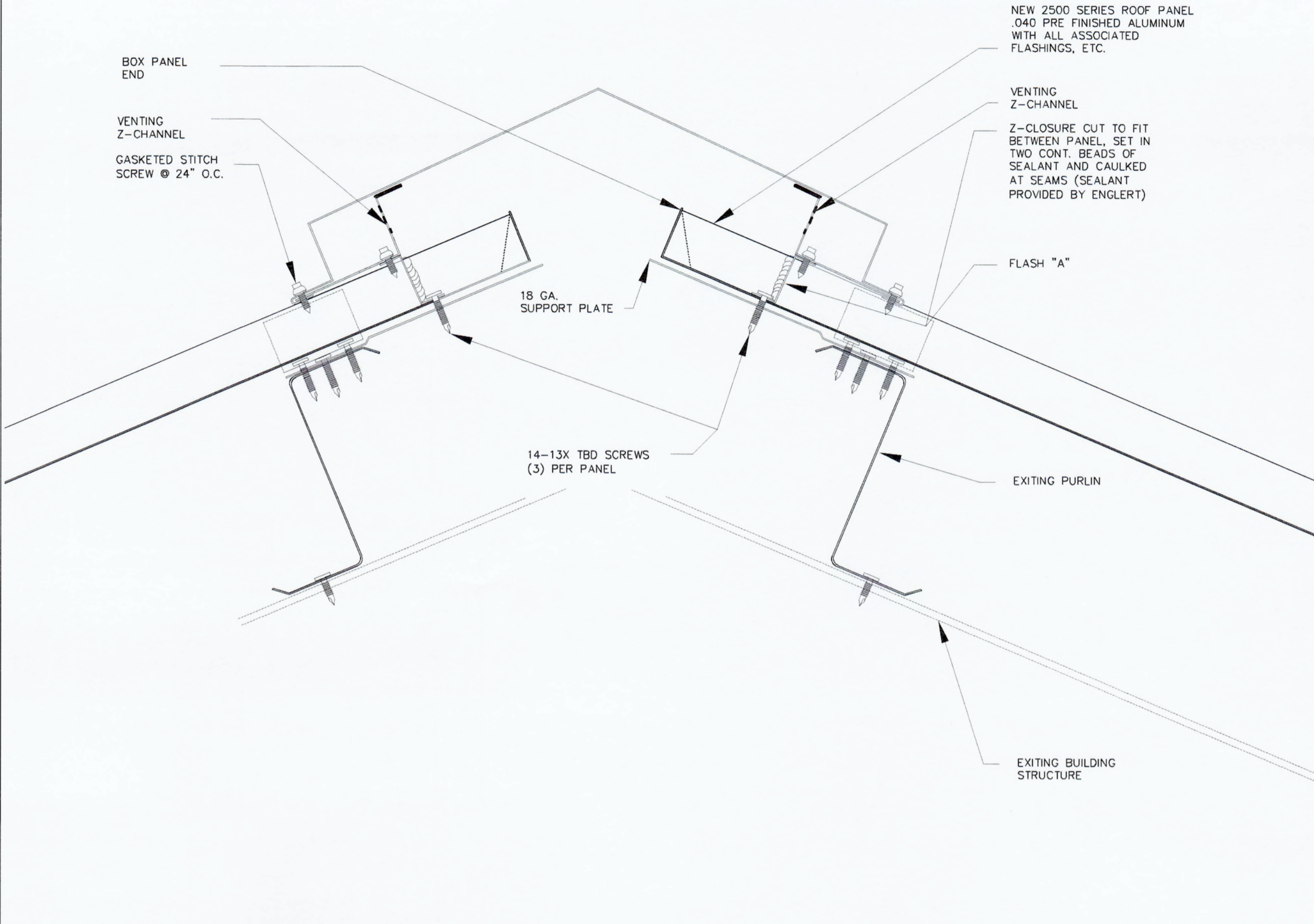
SHEET NUMBER

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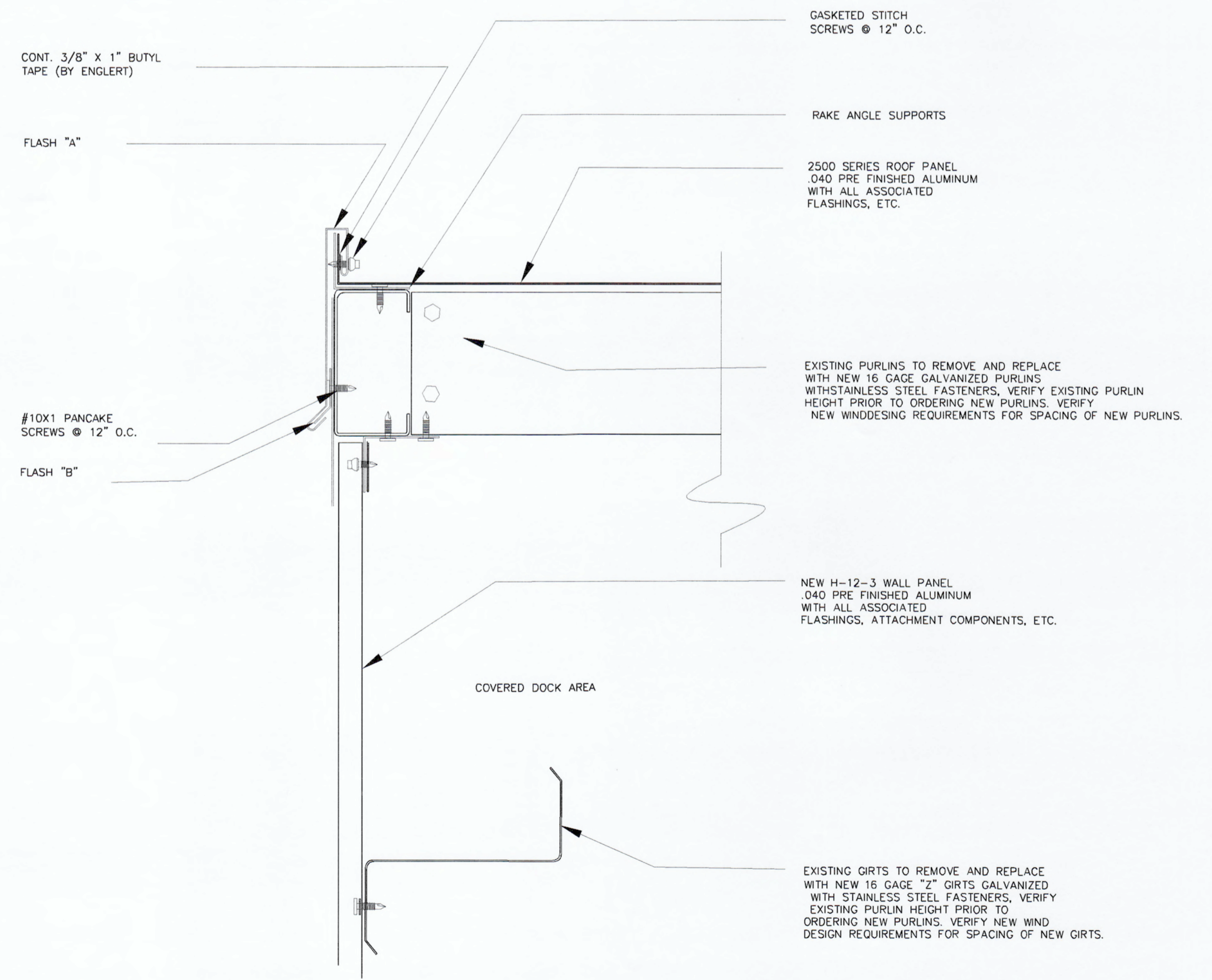
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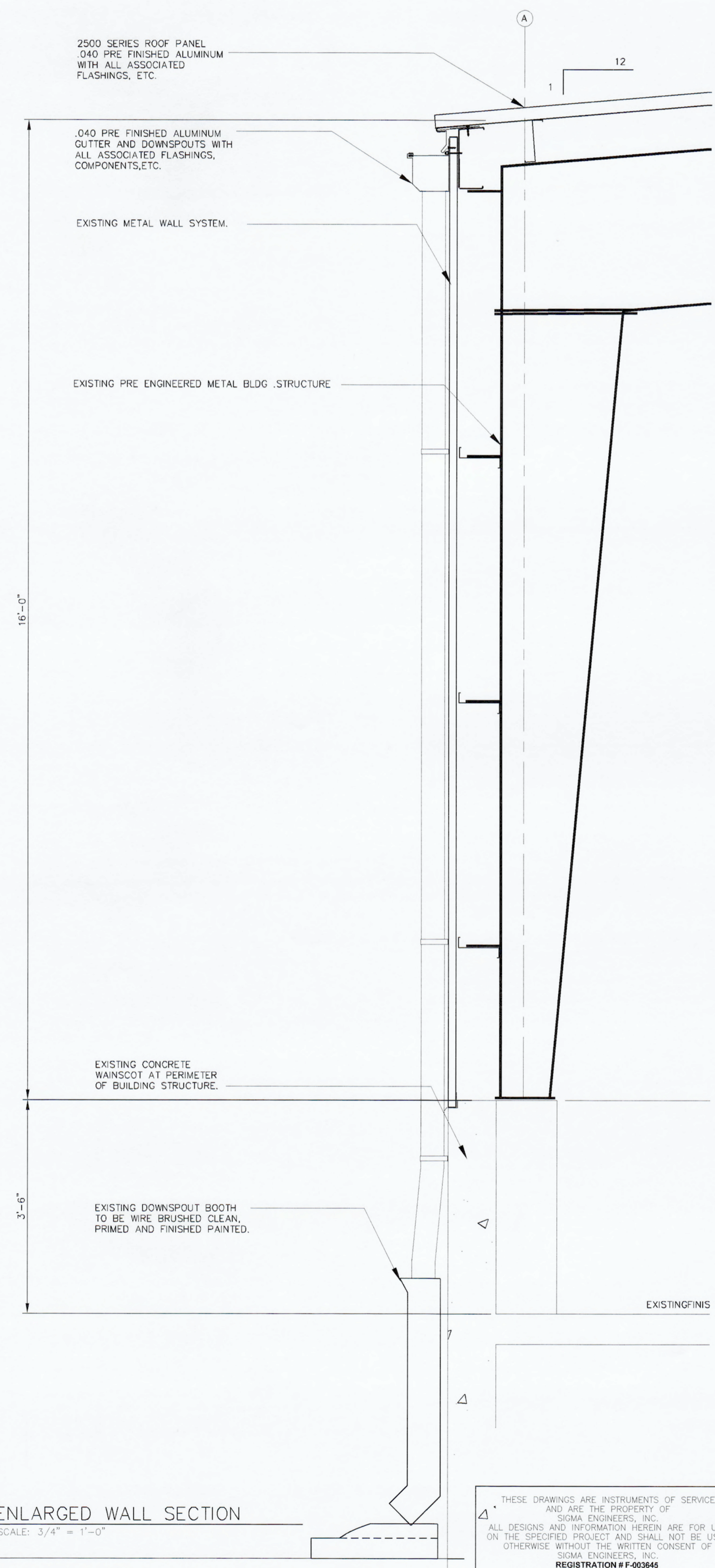
2 ROOF RIDGE DETAIL
SCALE: 3" = 1'-0"



3 ROOF EAVE/GUTTER DETAIL
SCALE: 3" = 1'-0"



4 CABLE RAKE FASCIA DETAIL
SCALE: 3" = 1'-0"



1 ENLARGED WALL SECTION
SCALE: 3/4" = 1'-0"

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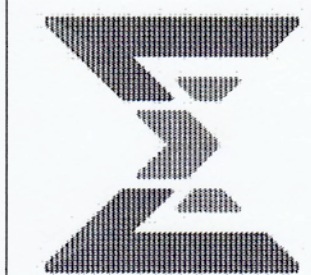


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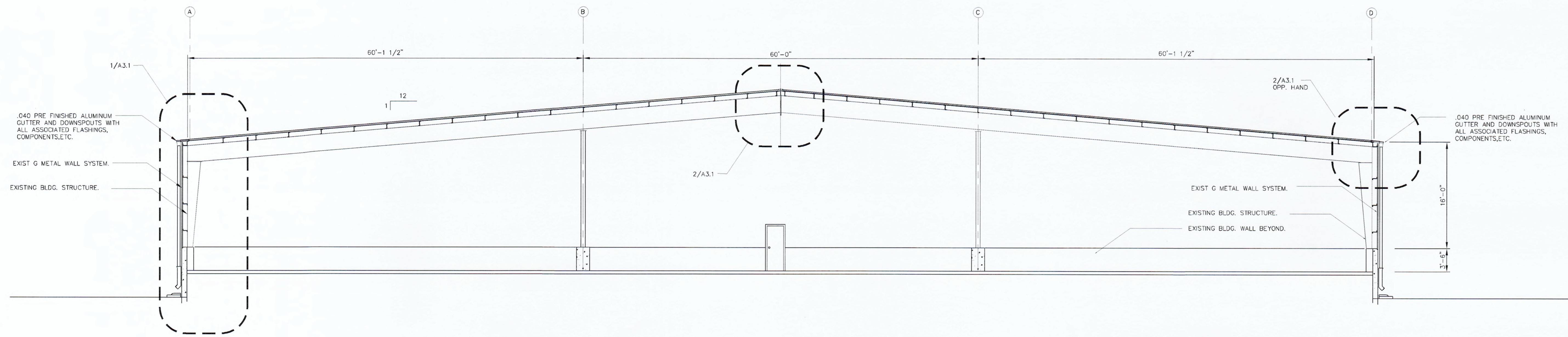
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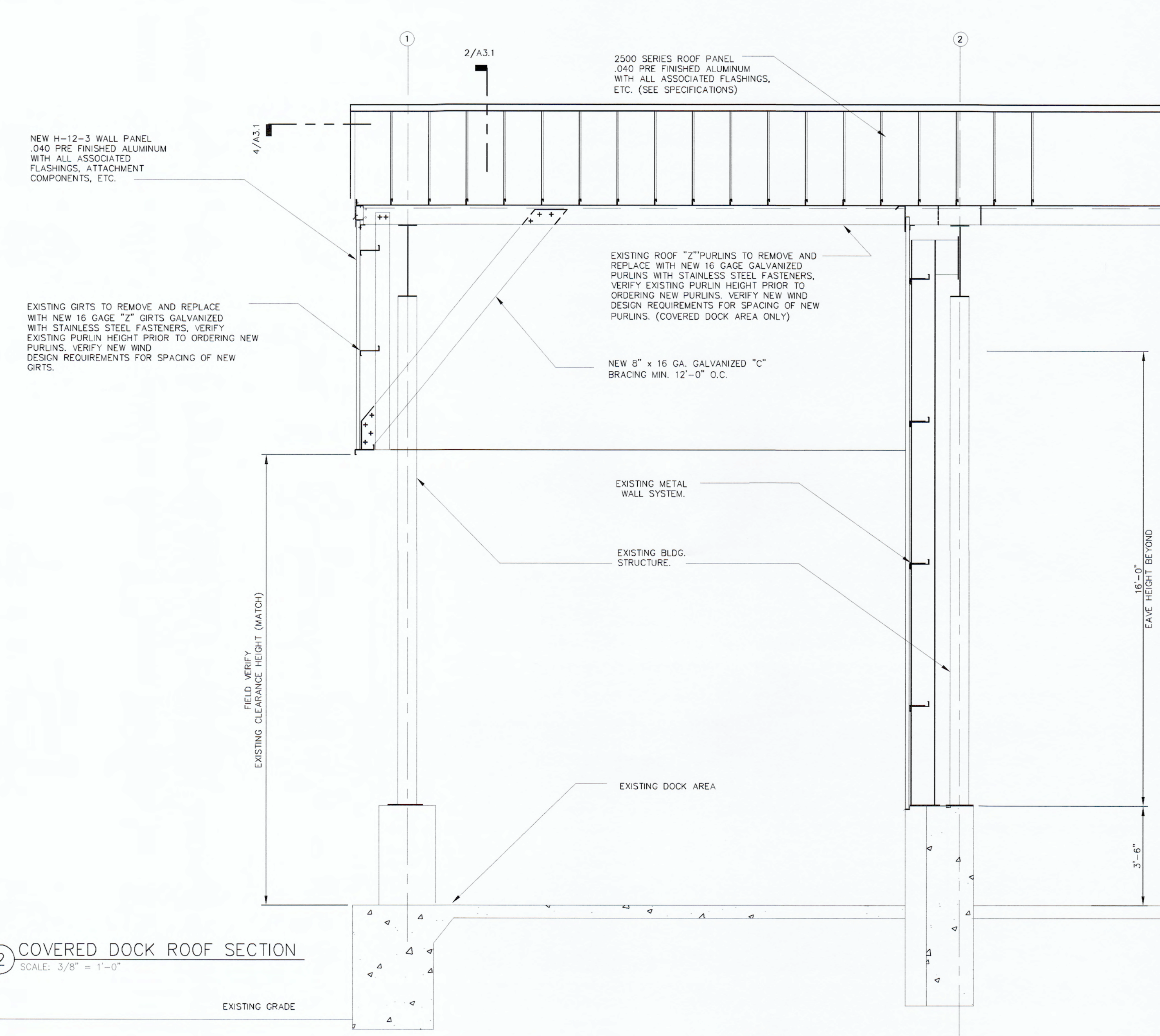
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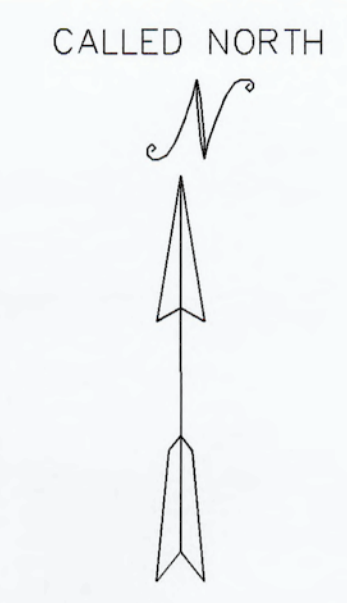
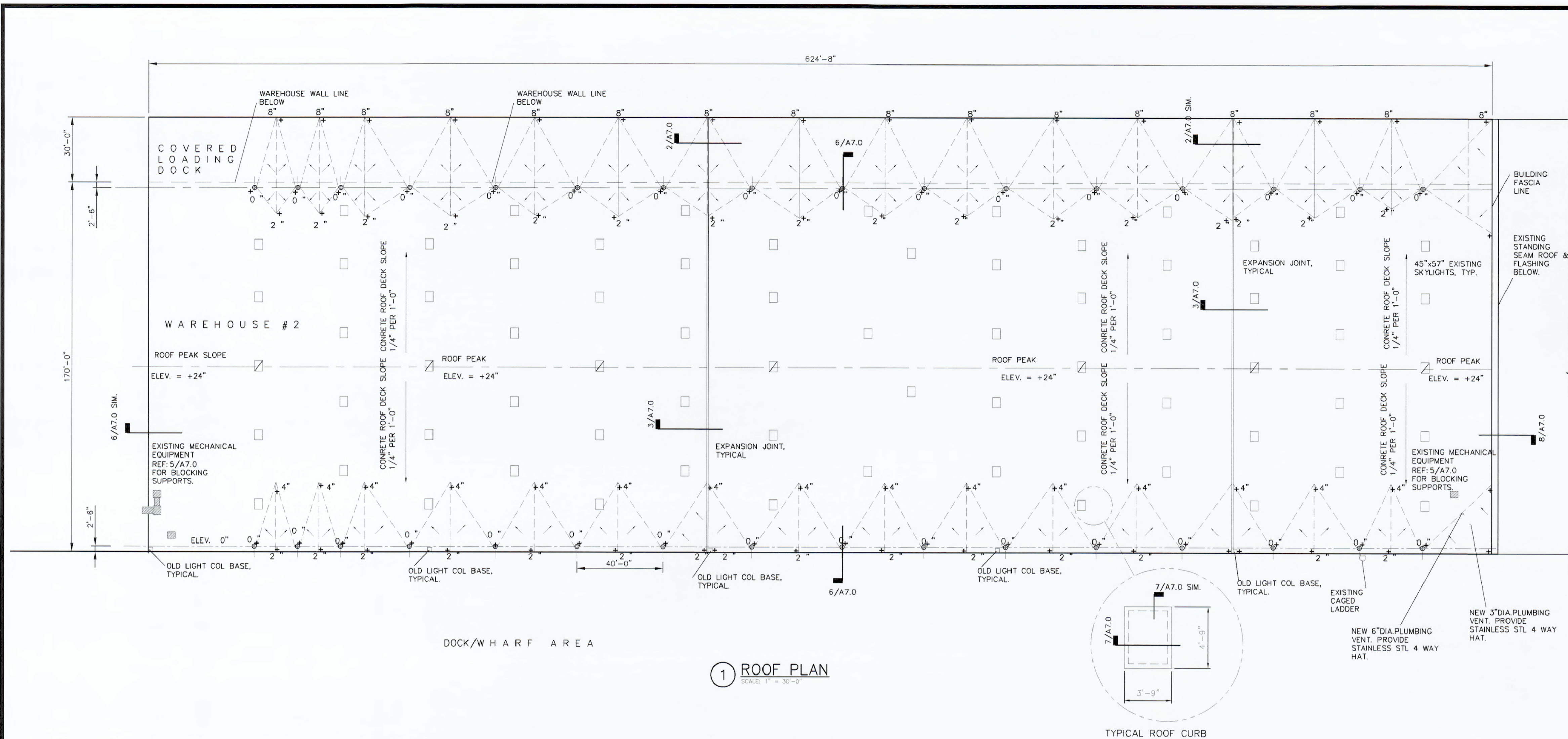


1 BUILDING CROSS SECTION
SCALE: 1/8" = 1'-0"



2 COVERED DOCK ROOF SECTION
SCALE: 3/8" = 1'-0"

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GENERAL NOTES:

1. ALL EXISTING ROOF SYSTEMS, FLASHING TO BE REMOVE AND DISPOSED OF FROM THE JOB SITE.
2. EXISTING WINDSTORM PROTECT OF MECHANICAL EQUIPMENT MAY NEED TO BE REMOVE TO ALLOW NEW ROOFING SYSTEM INSTALLATION WITH REQUIRED TREATED BLOCKING.
3. ONCE ALL ROOF WORK IS COMPLETE WINDSTORM PROTECT SHALL BE INSPECTED AND REINSTALL WITH INSPECTION REQUIRED.
4. EXISTING TURBINE VENTS TO BE REMOVED AND REPLACED WITH STAINLESS STEEL CONSTRUCTED. (4) WAYS. HAT VENT COVERS SECURED TO EXISTING METAL CURB TRANSITIONS. CONTRACTOR TO VERIFY DIAMETER REQUIRED FOR NEW HAT VENTS.

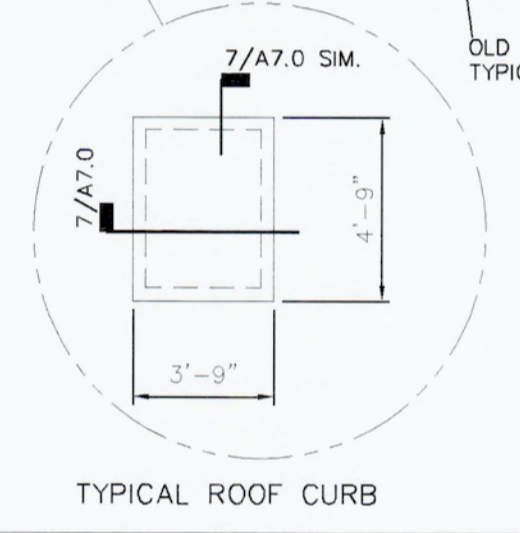
SAFETY

1. SAFETY SHALL BE OF THE UTMOST IMPORTANCE. CONTRACTOR AND ALL SUB-CONTRACTORS SHALL STRICTLY ADHERE TO ALL APPLICABLE OSHA CODES AND REGULATIONS BEFORE COMMENCING ANY WORK. CONTRACTOR SHALL MAKE NOTE OF ANY SAFETY CONCERNS FOR THIS PROJECT OR AREAS OUTSIDE THE SCOPE OF THIS PROJECT AND SUBMIT TO OWNER FOR CONSIDERATION. CONTRACTOR SHALL SUBMIT A COMPREHENSIVE FALL PROTECTION SYSTEM IN STRICT ACCORDANCE WITH OSHA AND LOCATION CODES.

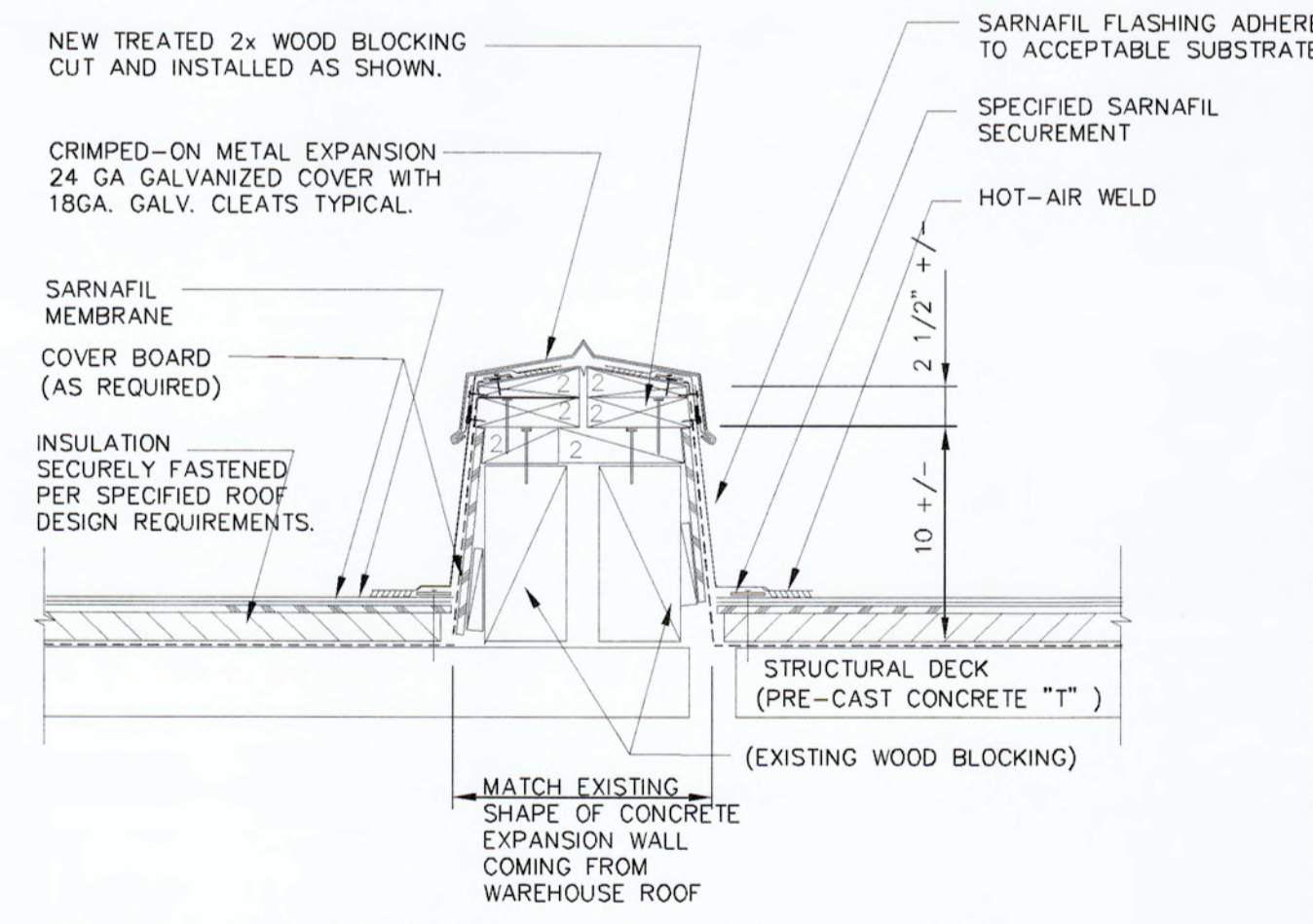
ROOFING NOTES:

1. CONTRACTOR SHALL INSTALL A NEW SINGLE PLY ROOFING MEMBRANE AS PER THE DRAWINGS.
2. ROOF DETAILS ARE SHOWN AS MINIMUM GUIDELINES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF SPECIFIED ROOF IN STRICT CONFORMANCE OF THE MANUFACTURER & DETAILS.
3. CONTRACTOR SHALL PROVIDE GUARANTEE OF ITS ROOF DESIGN FOR 120 M.P.H. WIND SPEED.
4. ROOFING SHALL BE U.L. RATED.
5. CONTRACTOR SHALL FOLLOW REQUIREMENTS OF THE ROOF MANUFACTURER IN ITS ENTIRETY REGARDLESS OF SHOWN DETAILS OR LACK OF.
6. ROOF DESIGN SHALL COMPLY WITH WINDSTORM REQUIREMENTS.
7. NEW SINGLE PLY MEMBRANE ROOFING SYSTEM INSTALLED PER MANUFACTURER'S SPECIFICATIONS TO PROVIDE 20 YEAR NO DOLLAR LIMIT FOR MATERIAL AND LABOR WARRANTY. REFERENCE TYPICAL ROOFING DETAILS ON THIS SHEET.
8. FASTENERS SHALL BE COMPATIBLE WITH TREATED NAILER CHEMICAL.

1 ROOF PLAN
SCALE: 1" = 30'-0"

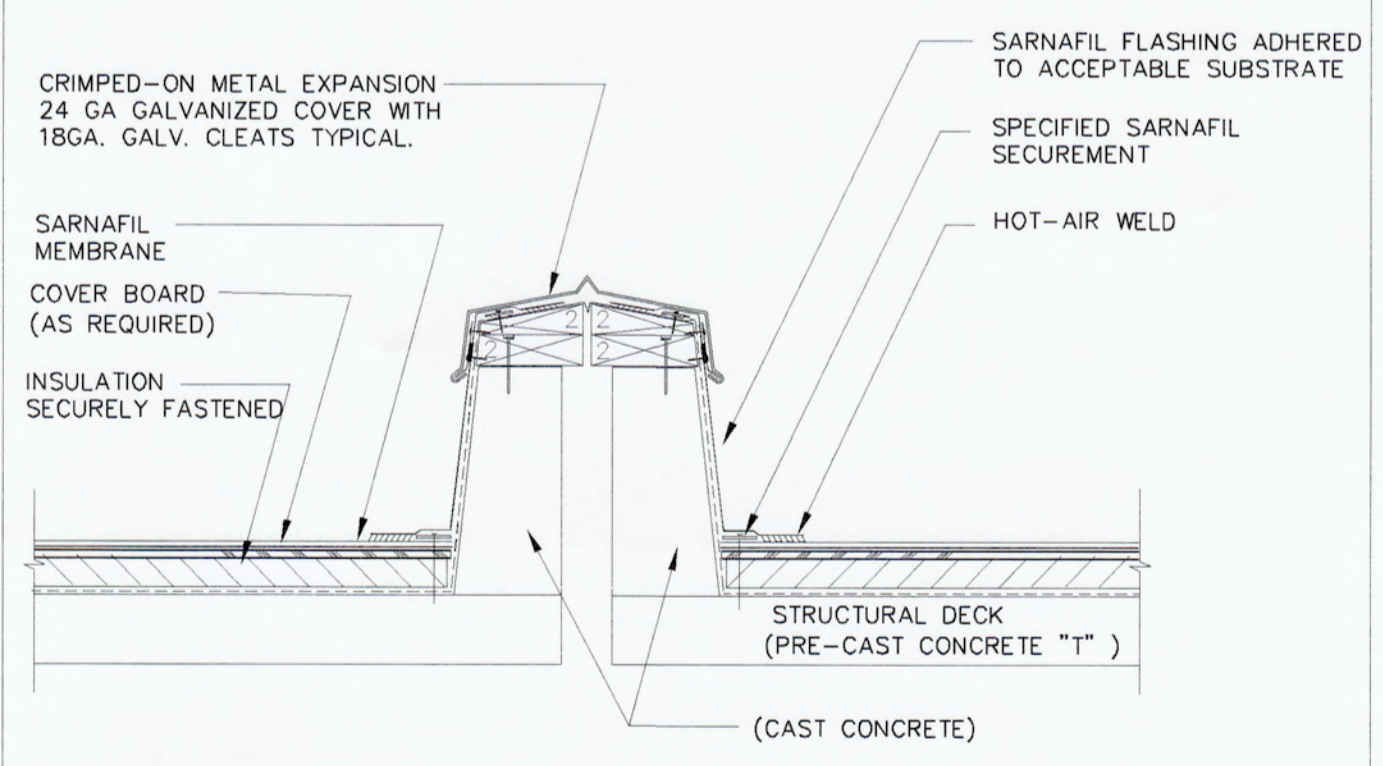


TYPICAL ROOF CURB



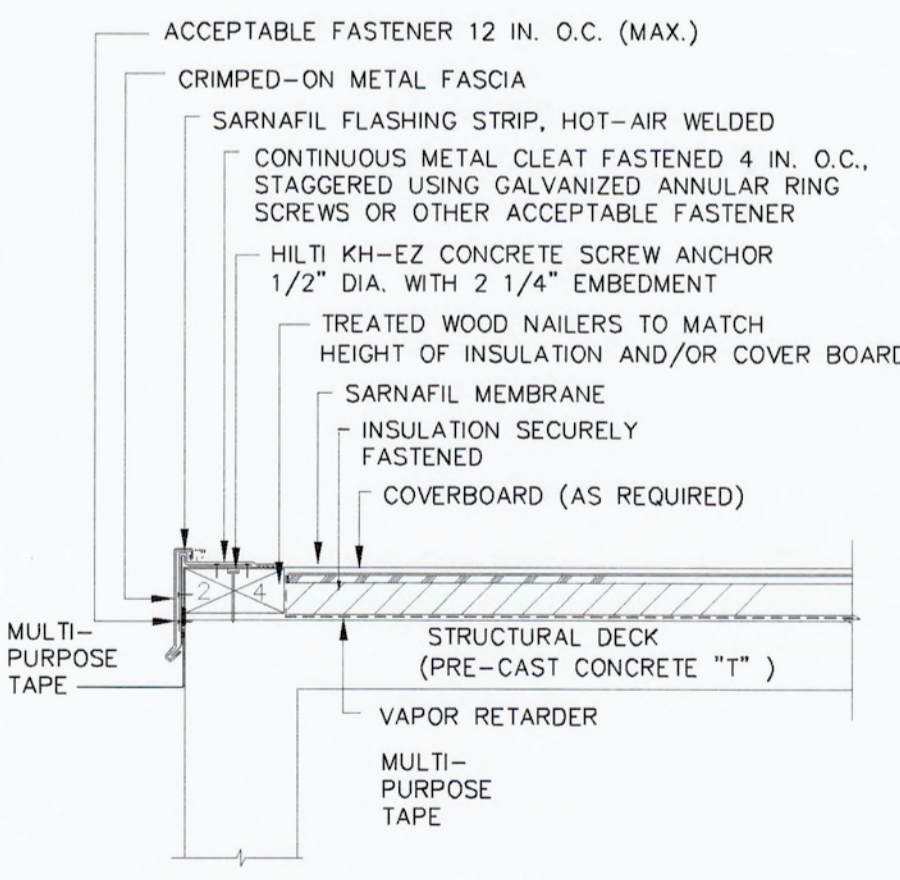
TYPICAL ROOF EXPANSION JOINT @ COVERED DOCK

2 DETAIL
SCALE: 1 1/2" = 1'-0"



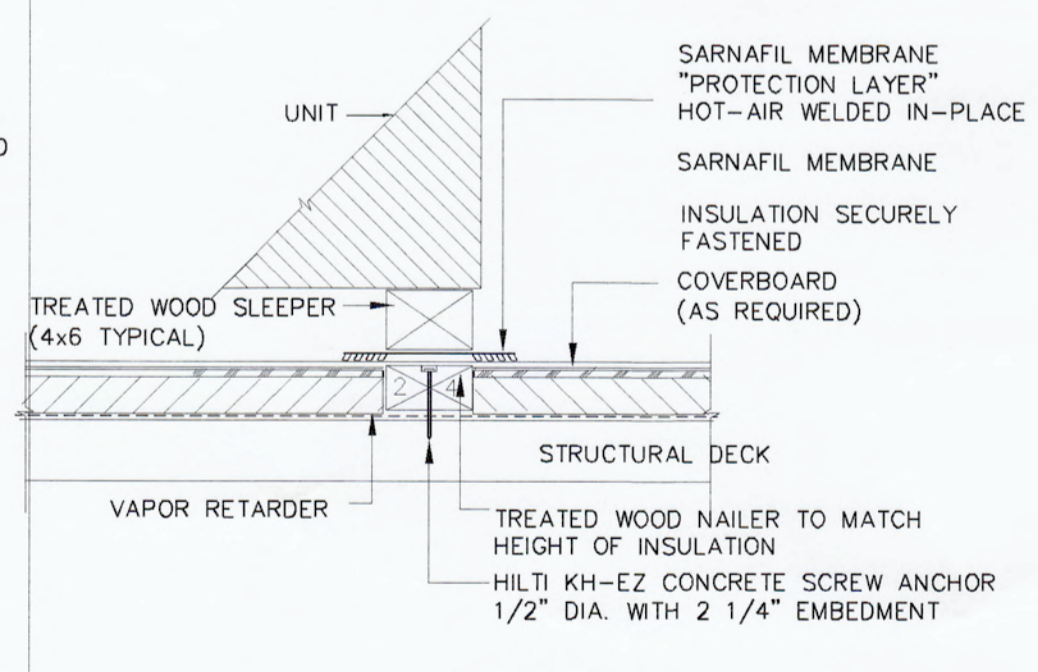
TYPICAL ROOF EXPANSION JOINT

3 DETAIL
SCALE: 1 1/2" = 1'-0"



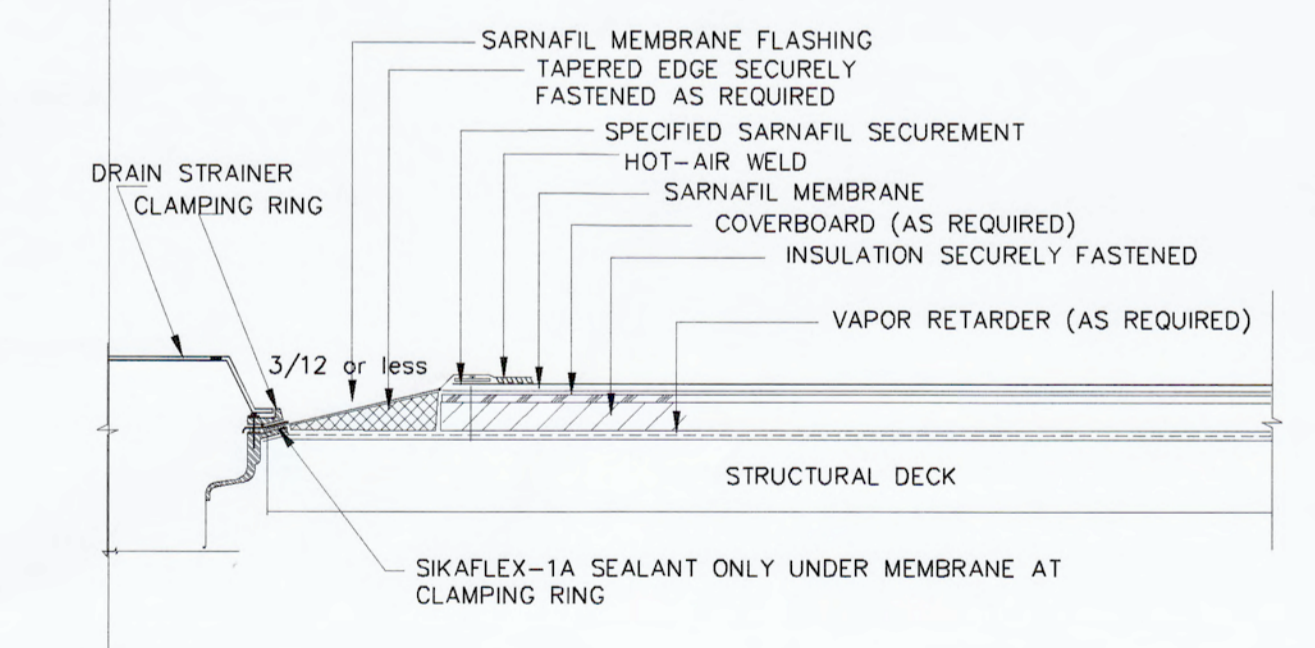
CRIMPED-ON METAL EDGE FASCIA TRIM

4 DETAIL
SCALE: 1 1/2" = 1'-0"



EXPOSED WOOD SLEEPER

5 DETAIL
SCALE: 1 1/2" = 1'-0"



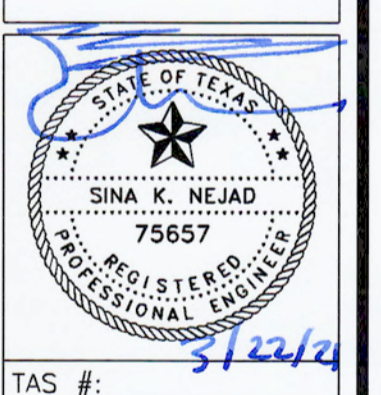
CLAMPING RING DRAIN

6 DETAIL
SCALE: 1 1/2" = 1'-0"

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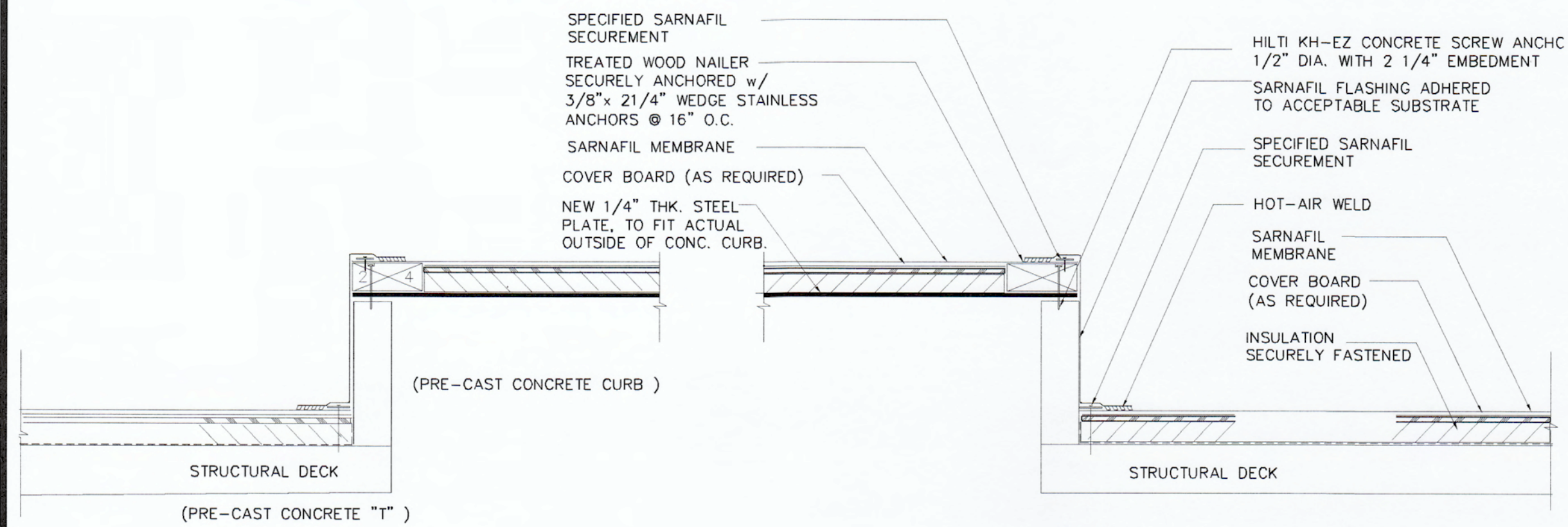
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WAREHOUSE #2 RE-ROOF
 221 HOUSTON AVENUE
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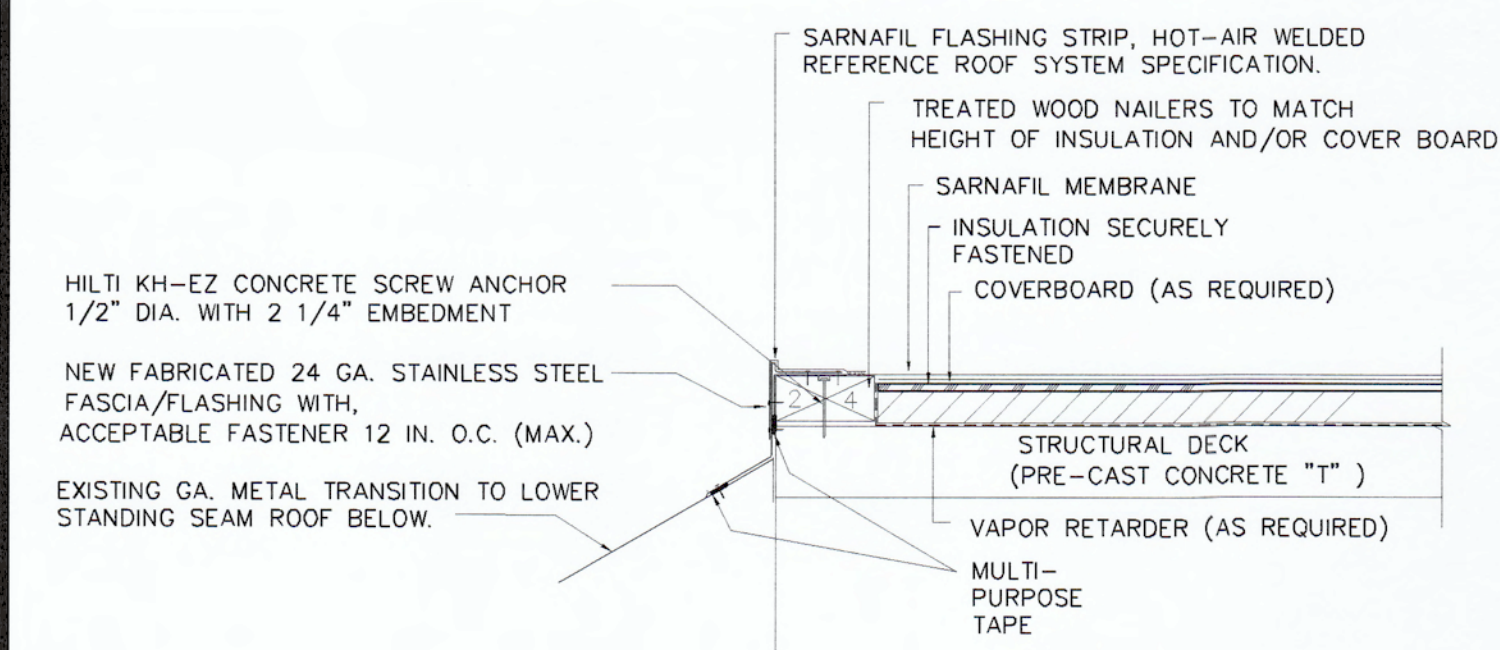
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WALL TRANSITION AT EXIST'G SKYLIGHT CURB.

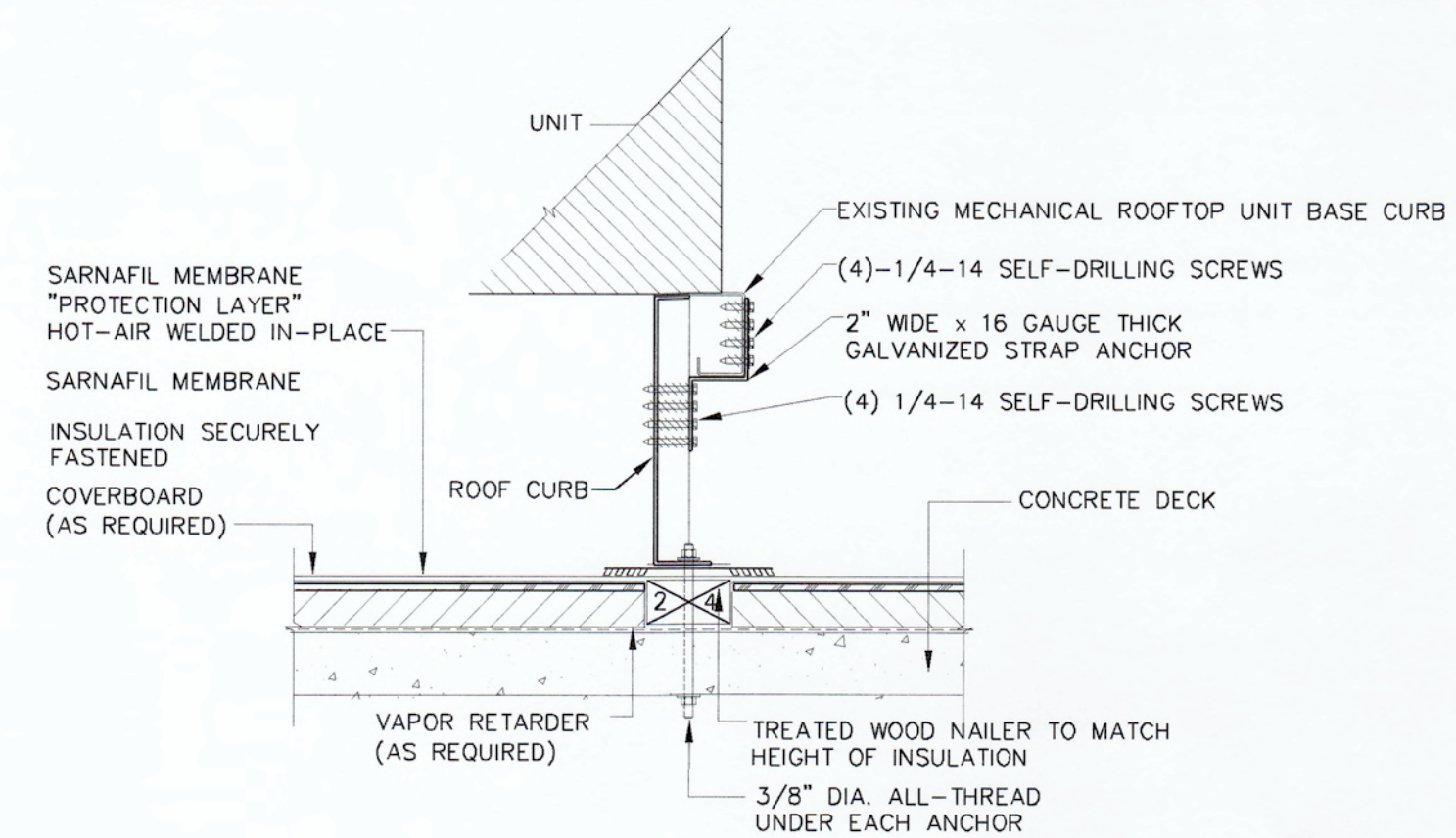
7 DETAIL
SCALE: 1/2" = 1'-0"

- NOTES:
- 1) NAILERS SHALL BE SECURELY ANCHORED TO THE DECK TO RESIST A FORCE OF 300 POUNDS PER LINEAL FOOT IN ANY DIRECTION.
 - 2) AIR / VAPOR BARRIER TIE-IN ALONG VERTICAL TRANSITION TO BE INSTALLED PER DESIGNER RECOMMENDATION.
 - 3) VAPOR RETARDER SHALL BE SEALED AT EDGES.



8 DETAIL
SCALE: 1/2" = 1'-0"

- NOTES:
- 1) NAILERS SHALL BE SECURELY ANCHORED TO THE DECK TO RESIST A MINIMUM FORCE OF 300 POUNDS PER LINEAR FOOT. FOLLOW FACTORY MUTUAL LOSS PREVENTION DATA SHEET 1-49 RECOMMENDATIONS.
 - 2) THE THICKNESS OF THE NAILER SHALL MATCH THE HEIGHT OF THE INSULATION OR SURFACE TO WHICH THE MEMBRANE IS TO BE APPLIED.
 - 3) VAPOR RETARDER SHALL BE SEALED AT EDGES WITH SCREWS
 - 4) POSITION THE SARNAFIL MEMBRANE (NON-FELTED) OVER THE ROOF EDGE AND DOWN OUTSIDE FACE OF WALL, COVERING TREATED WOOD NAILER(S) COMPLETELY.



MECHANICAL ROOFTOP ANCHOR

9 DETAIL
SCALE: 1/2" = 1'-0"



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