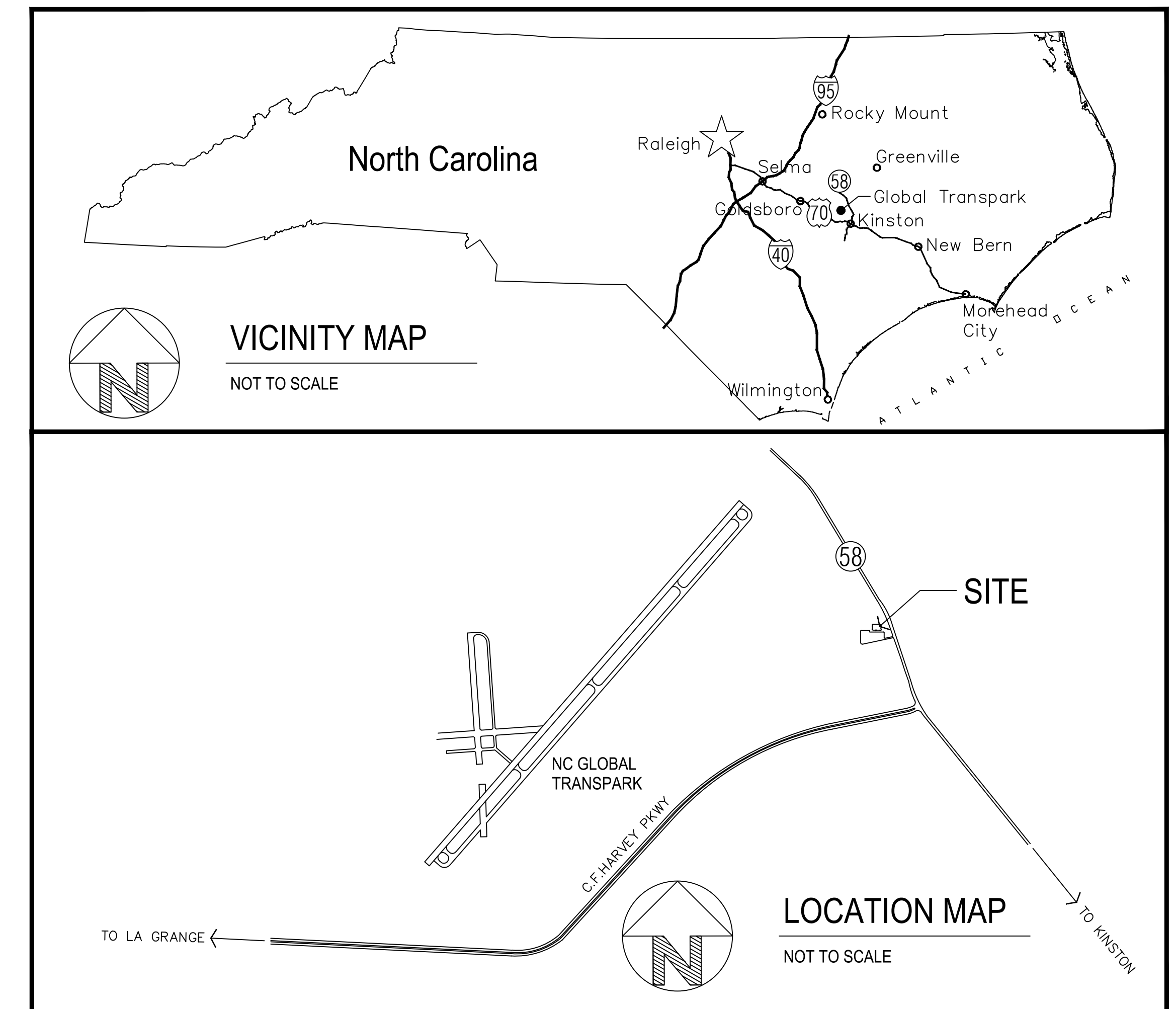


NORTH CAROLINA GLOBAL TRANSPARK TRAINING CENTER RE-ROOFING

3800 North Carolina Highway 58
Kinston, North Carolina 28504

SCO ID #19-21361-01A



2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL ROOF PROJECTS (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES) (Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: NC GLOBAL TRANSPARK TRAINING CENTER RE-ROOFING
Address: 3800 NC HWY 58 KINSTON, NORTH CAROLINA 28504 Zip Code: _____
Owner/Authorized Agent: TCW/DP/DM/ES Phone # (252) 775-4689 E-Mail: thornton@tcw.com
Owned By: City/County Private State
Code Enforcement Jurisdiction: City County State

CONTACT: MARK P. GIBSON/PA

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	NC DOT FACILITIES DESIGN UNIT	MARK P. GIBSON/PA	NC 5128	(919) 733-4650	mgibson@ncdot.gov
Civil					
Electrical					
Fire Alarm					
Plumbing					
Mechanical					
Sprinkler-Standpipe					
Structural	ROSS LINDEN ENGINEERS PC	BRIAN W. ROSS/PE	NC 29599	(919) 692-5680	bross@rosslinden.com

2018 NC CODE FOR: Roof Replacement Roof Recover Roof Repair
CONSTRUCTED: (date) 2000
CURRENT OCCUPANCY(S) (Ch. 3): GROUP "B" - BUSINESS

BASIC BUILDING DATA
Construction Type: I-A II-A III-A IV V-A
(check all that apply) I-B II-B III-B
Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
Standpipes: No Yes Class I II III Wet Dry
Fire District: No Yes (Primary)

Gross Area (sq. ft.):

STORIES	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F	AREA G	TOTAL
1	15,924	10,890	8,754 (NC)					32,968

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY
Roof Construction, including supporting beams and joists	>30.0'	1, 2, 4/ A2	ROOF NON-RATED
Roof Ceiling Assembly	>30.0'	1, 2, 4/ A2	ROOF CEILING NON-RATED
Column Supporting Roof	>30.0'	2/ A2	COLUMNS NON-RATED

STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (I_s) 1.0
Seismic (I_s) 1.0

Live Loads: Roof 20 psf

Ground Snow Load: 10 psf

Wind Load: Ultimate Wind Speed 125 mph (ASCE-7)
Exposure Category C

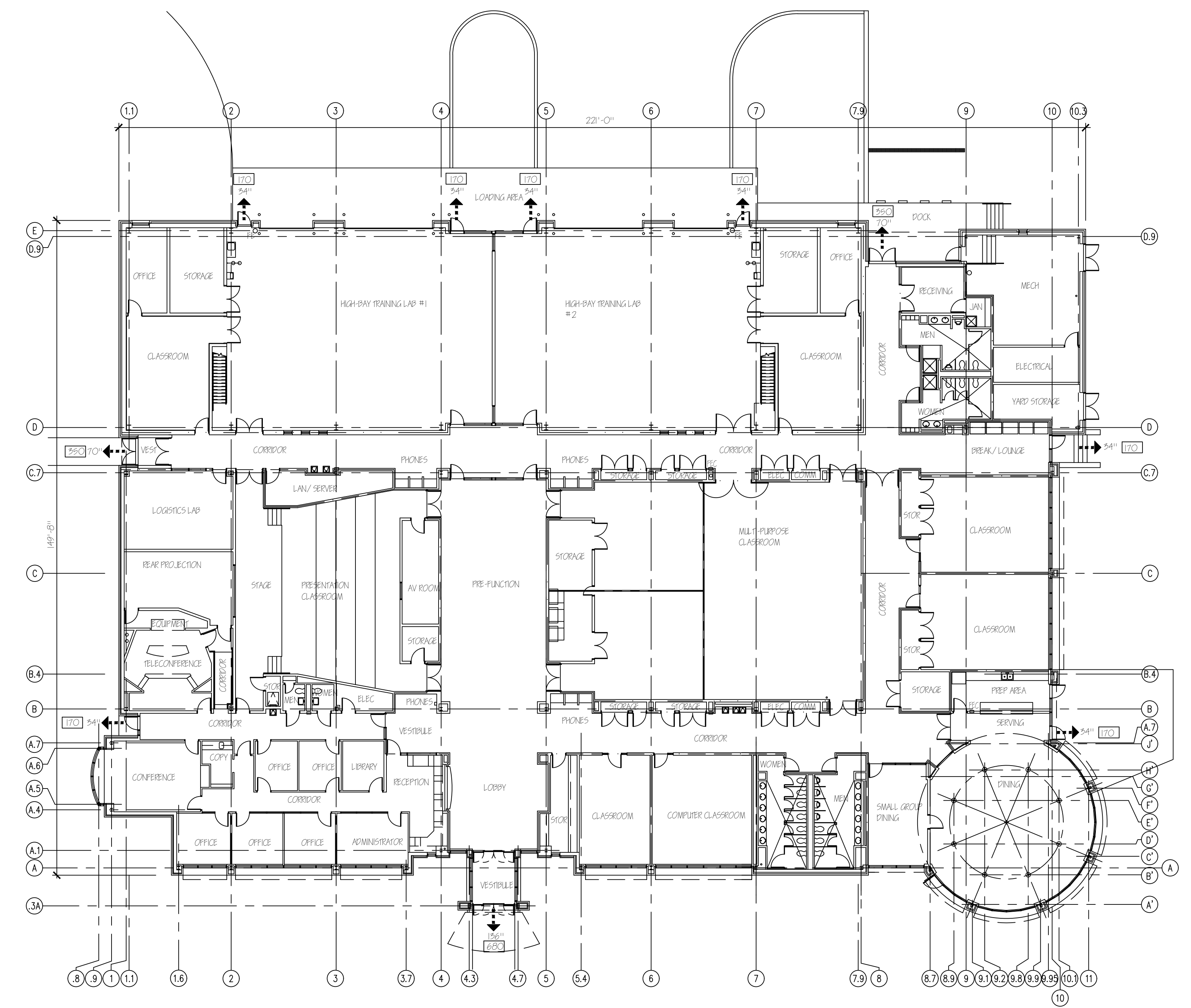
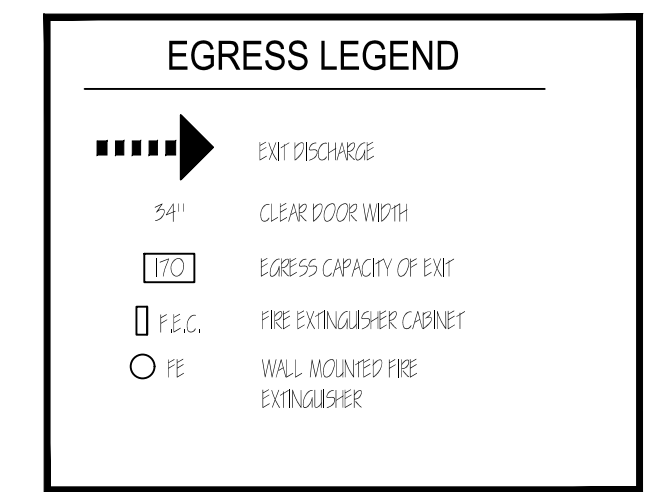
DRAWING INDEX:

G1 VICINITY MAPS, CODE DATA SUMMARY & REFERENCE FLOOR PLAN
A1 ROOF PLANS & RE-ROOFING DETAILS
A2 RE-ROOFING DETAILS
A3 RE-ROOFING DETAILS

GENERAL NOTES:

1. THIS FLOOR PLAN TAKEN FROM RECORDED DRAWINGS DATED NOVEMBER 9, 2000 BY CRYSTAL ARING ASSOCIATES P.A. IS ONLY USED FOR REFERENCE. NO ATTEMPT HAS BEEN MADE TO VERIFY THE INFORMATION SHOWN.

2. THIS PROJECT DOES NOT INCLUDE ANY WORK INSIDE THE BUILDING. NO LIFE SAFETY COMPONENTS ARE AFFECTED.



1 REFERENCE FLOOR PLAN
SCALE: 1/16" = 1'-0"

PROJECT TITLE / DESCRIPTION:
VICINITY MAPS, CODE DATA SUMMARY & REFERENCE FLOOR PLAN

PROJECT FILE:
North Carolina Global Transpark Training Center Re-roofing

STATE CONSTRUCTION ID # **19-21361-01A**

CO.# **88** - SITE # **02** - BLDG.# **00**

REVISIONS NO. DATE

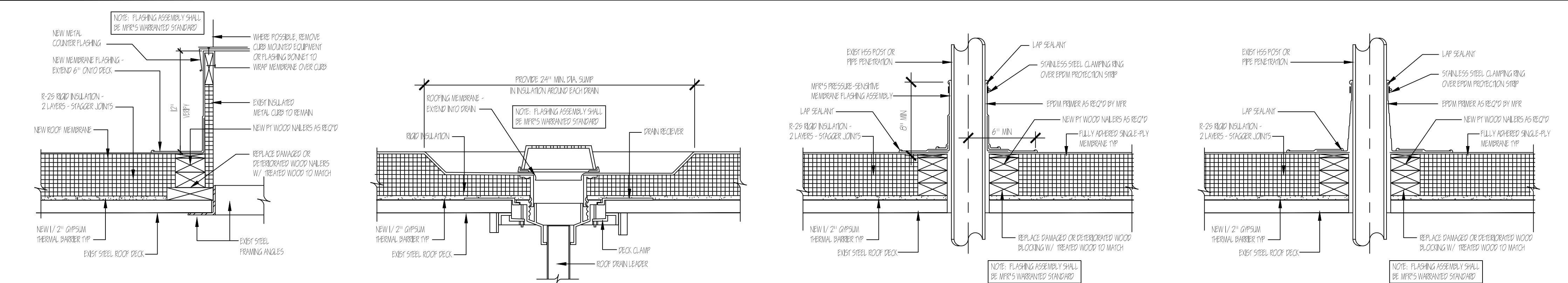
DATE ISSUED: 1/17/2020
DRAWN BY: MDG
CHECKED BY: MDG
SHEET NO.

DESIGNED BY: **NC DOT FACILITIES DESIGN UNIT**
ARCHITECT ENGINEERS
1 SOUTH WINSTON STREET
RALEIGH, NORTH CAROLINA 27601
PHONE: 919/707-6800 FAX: 919/715-0389

CONSULTANTS:
ROSS LINDEN ENGINEERS PC

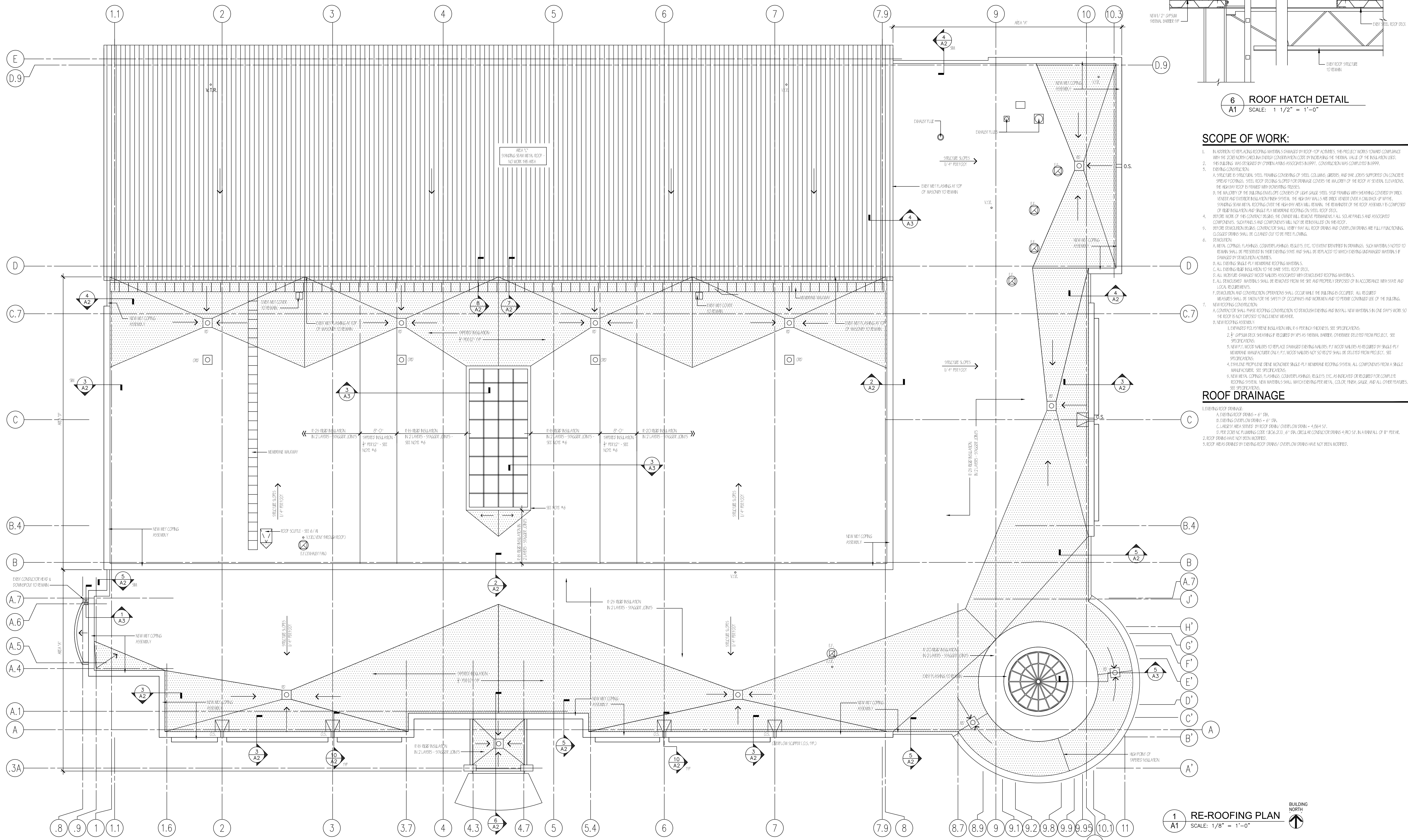
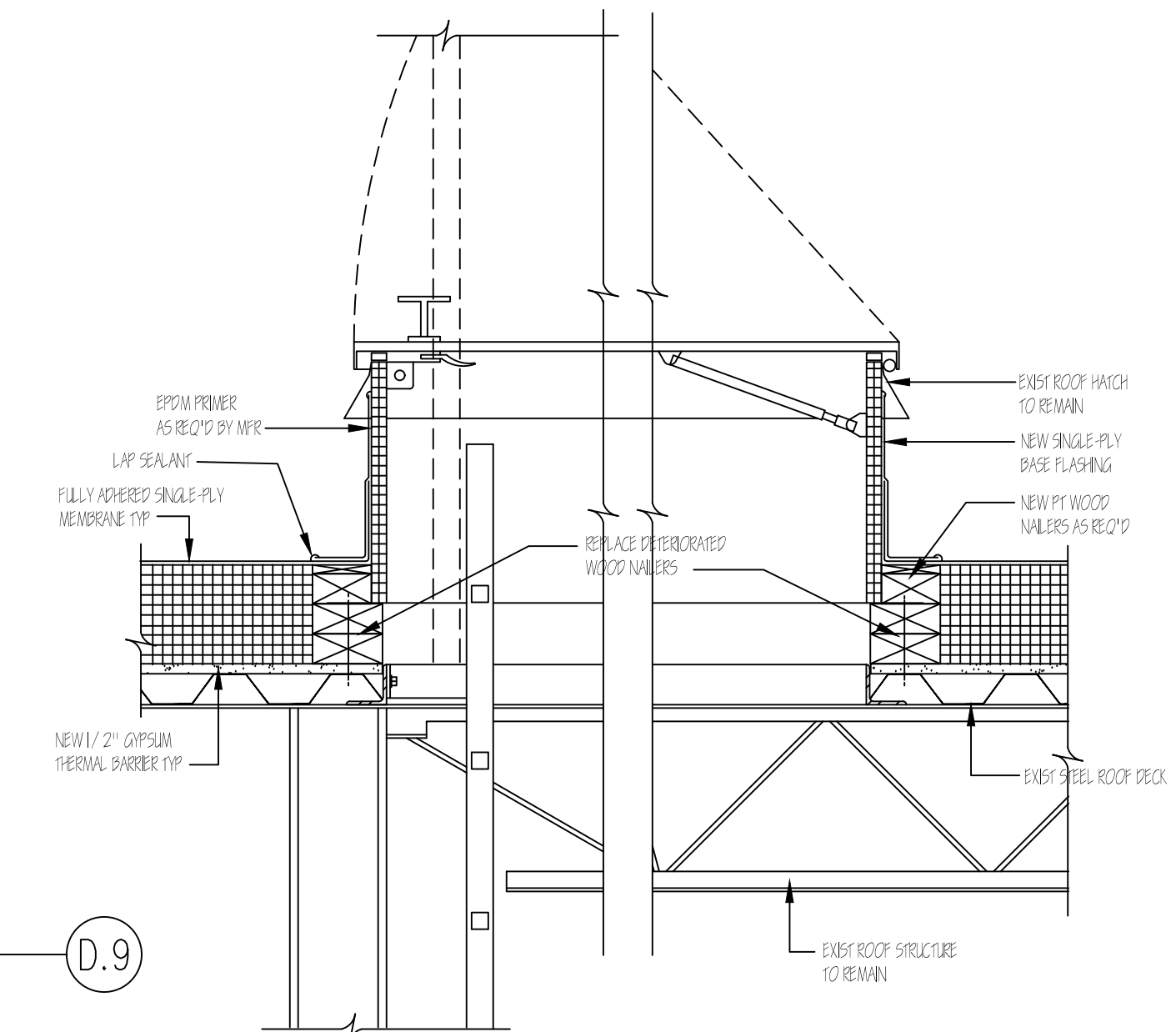
SCALE: 1/16" = 1'-0"

G1



GENERAL NOTES:

- CONTRACTOR SHALL VERIFY CONDITIONS BEFORE BEGINNING WORK. CONTRACTOR SHALL NOTIFY ARCHITECT OF ALL DISCREPANCIES BEFORE BEGINNING OR CONTINUING WORK.
- BEFORE DEMOLITION, INSPECT UNDERSIDE OF ROOF DECK FOR CONDUITS & PIPING THAT MAY BE DAMAGED BY MECHANICAL ROOFING ATTACHMENT. REPORT SUCH CONFLICTS TO ARCHITECT. AFTER REMOVAL OF EXISTING ROOFING MATERIALS, REMOVE STEEL DECK FOR ROOF THROUGH OR OTHER DAMAGE. NOTIFY ARCHITECT AND REPLACE AS REQUIRED.
- REMOVE EXISTING METAL COPING.
- REMOVE EXISTING ROOF VALUES. REPLACE OR REPAIR ROOF VALUES AS REQUIRED. ALL VALUES SHALL BE PRESERVE, REPAIR OR REPLACE.
- PROVIDE 4" EPS/PM DECK SHEATHING AS A THERMAL BARRIER IF REQUIRED BY THE REPAIR/REPLACE INSULATION USED. IF A THERMAL BARRIER IS NOT REQUIRED, PROVIDE PRODUCT DATA SHEET SUCH THAT CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF SCUMPER REPAIR ROOF DECK TO ARCHITECT TO COMPLY WITH PERMITS AND LOCAL CODES.
- HEIGHT OF EXISTING ROOF CURB AT HIGH POINT DOES NOT EXCEED ADDITIONAL THICKNESS OF INSULATION. THICKNESS OF NEW INSULATION TO EXCEED CURB SHALL INCLUDE EXISTING INSULATION THICKNESS AND VAPOR UP TO NEW INSULATION THICKNESS AS SPECIFIED IN ROOF PLAN.



SCOPE OF WORK:

- IN ADDITION TO REPLACING ROOFING MATERIALS DAMAGED BY ROOF TOP ACTIVITIES, THE PROJECT WORKS SHOWN COMPLY WITH THE CONSTRUCTION CODES IN FORCE AT THE TIME OF CONSTRUCTION. THE BUILDING WAS DESIGNED BY OPEN LINE ASSOCIATES IN 1999.
- EXISTING CONSTRUCTION:
 - EXISTING ROOFING MATERIALS TO REMAIN UNLESS OTHERWISE NOTED.
 - EXISTING ROOFING MATERIALS TO BE REPLACED OR REPAIRED AS SHOWN ON DRAWINGS.
 - EXISTING ROOFING MATERIALS TO BE REPLACED OR REPAIRED AS SHOWN ON DRAWINGS.
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 - EXISTING ROOFING MATERIALS TO BE REPLACED OR REPAIRED AS SHOWN ON DRAWINGS.
- NEW ROOFING CONSTRUCTION:
 - REMOVE EXISTING ROOFING MATERIALS TO BE REPLACED OR REPAIRED AS SHOWN ON DRAWINGS.
 - REMOVE EXISTING ROOFING MATERIALS TO BE REPLACED OR REPAIRED AS SHOWN ON DRAWINGS.
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ROOF DRAINAGE

- EXISTING ROOF DRAIN:
 - EXISTING ROOF DRAIN - 6" DIA.
 - EXISTING ROOF DRAIN - 6" DIA.
 - EXISTING ROOF DRAIN - 6" DIA.
 - EXISTING ROOF DRAIN - 6" DIA.
 - EXISTING ROOF DRAIN - 6" DIA.
- NEW ROOF DRAIN:
 - NEW ROOF DRAIN - 6" DIA.
 - NEW ROOF DRAIN - 6" DIA.
 - NEW ROOF DRAIN - 6" DIA.
 - NEW ROOF DRAIN - 6" DIA.
 - NEW ROOF DRAIN - 6" DIA.

BID DOCUMENTS

MARK DOUGLAS GIBSON
REGISTERED ARCHITECT
5121
1000 W. HUNTERDALE, NC

NC DOT FACILITIES DESIGN UNIT
ARCHITECT ENGINEERS

DESIGNED BY: **NC DOT FACILITIES DESIGN UNIT**
ARCHITECT ENGINEERS
1 SOUTH WINSTON-SALEM STREET, 7F00
RALEIGH, NORTH CAROLINA, 27601
PHONE: 919/707-6400 FAX: 919/715-0399

PROJECT TITLE / DESCRIPTION:
ROOF PLAN & RE-ROOFING DETAILS

PROJECT FILE:
North Carolina Global Transpark
Training Center Re-roofing
NC DOT HIGHWAY DIVISION 2
3800 NC HWY 58, KINSTON, NORTH CAROLINA 28504

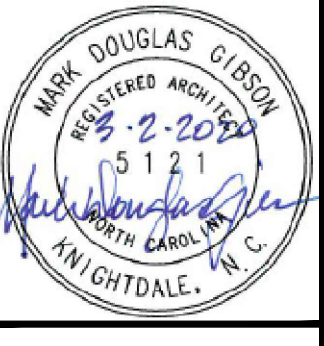
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ASSET NUMBER: 88-02-00

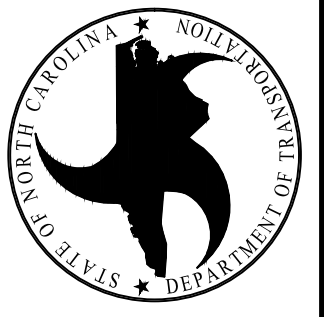
REVISIONS NO. DATE

DATE ISSUED: 1/17/2020
DRAWN BY: MDG
CHECKED BY: MDG
SHEET NO.

A1



DESIGNED BY:
NCDOT FACILITIES DESIGN UNIT
ARCHITECT ENGINEERS
1 SOUTH WINSTON-SALEM STREET
RALEIGH, NORTH CAROLINA 27601
PHONE: 919/707-6800 FAX: 919/715-0389



CONSULTANTS:

RE-ROOFING DETAILS

PROJECT TITLE / DESCRIPTION:
North Carolina Global Transpark
Training Center Re-roofing
NCDOT HIGHWAY DIVISION 2
3800 NC HWY 58, KINSTON, NORTH CAROLINA 28504

STATE CONSTRUCTION ID # 19-21361-01A

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88-02-00

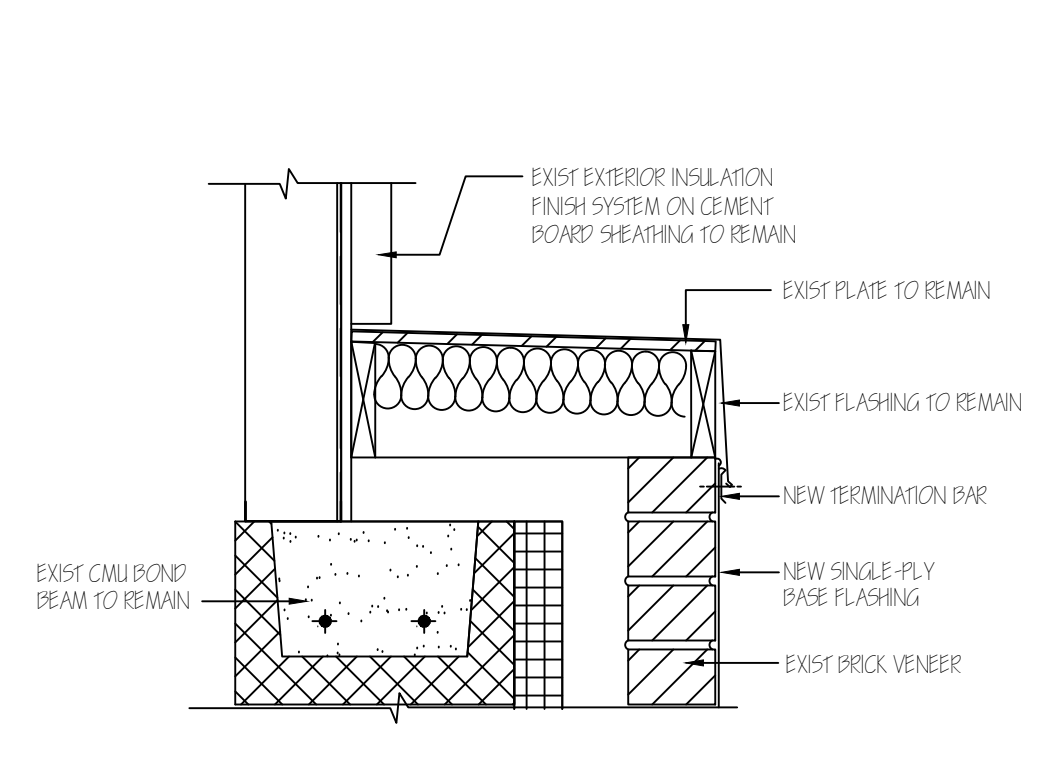
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DATE ISSUED: 1/17/2020
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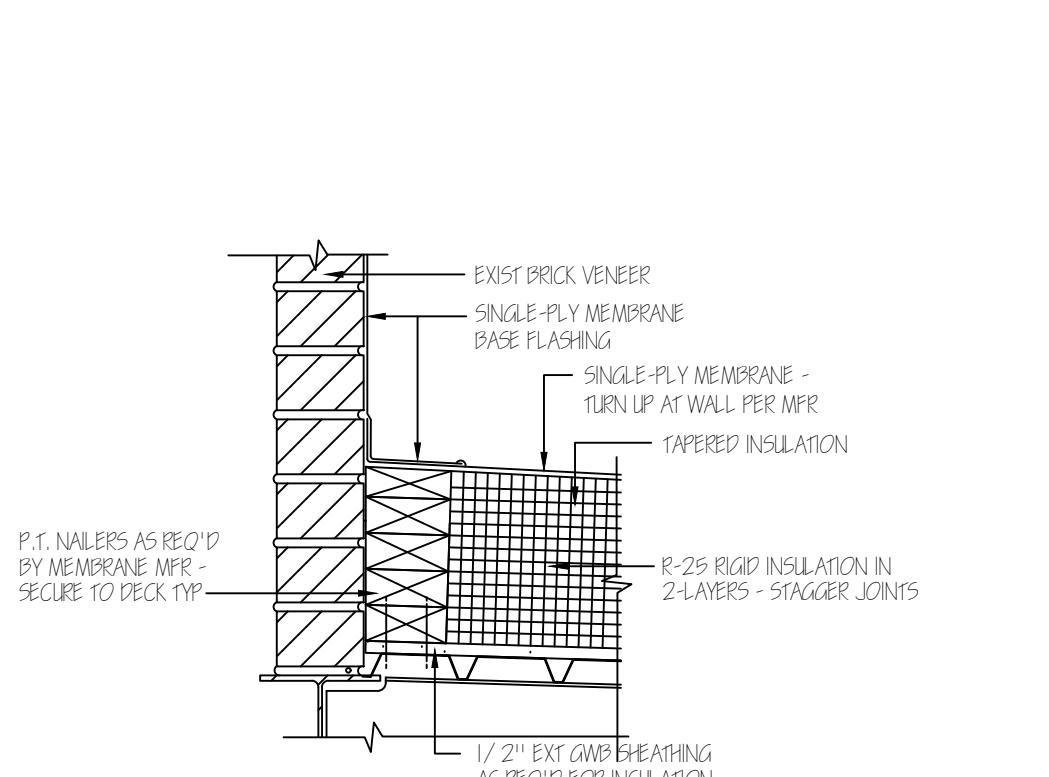
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GENERAL NOTES:

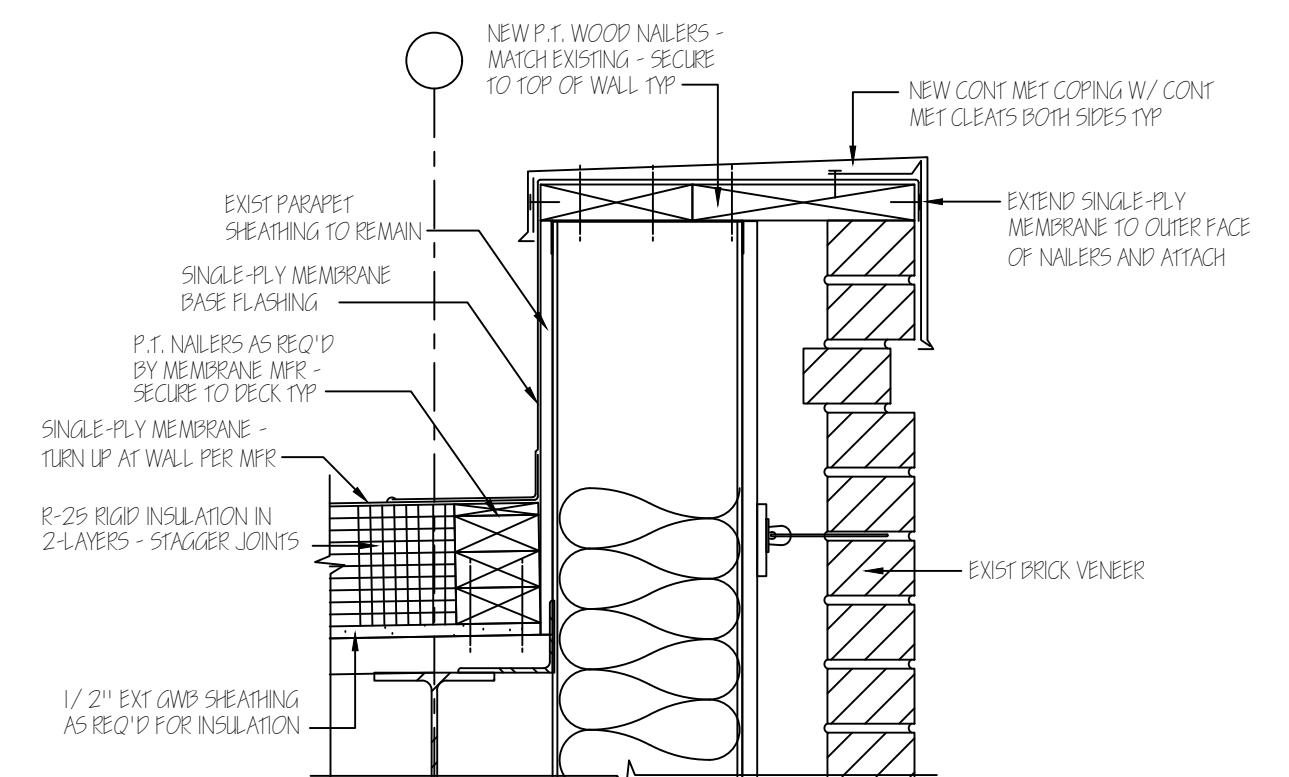
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- BEFORE DEMOLITION, INSPECT UNDERLIES OF ROOF DECK FOR CORROSION & FENIC THAT MAY BE DAMAGED BY MECHANICAL ROOFING ATTACHMENT. REPORT SUCH CONFLICTS TO ARCHITECT. AFTER REMOVAL OF EXISTING ROOFING MATERIALS, INSPECT STEEL DECK FOR RUST, SHELTER OR OTHER DAMAGE. NOTIFY ARCHITECT AND REPLACE AS REQUIRED.
- DEMOLISH EXISTING METAL COPING. INSPECT EXISTING WOOD NAULERS. REPLACE DETERIORATED WOOD NAULERS AS REQ'D. ALL NAULERS SHALL BE PRESSURE TREATED FOR EXTERIOR USE.
- PROVIDE 1" COPING DECK SHEARING AS A THERMAL BARRIER IF REQUIRED BY THE ROOF (PLASTIC) INSULATION USED. IF A THERMAL BARRIER IS NOT REQUIRED, PROVIDE PRODUCT DATA STATING SUCH.
- CONTRACTOR SHALL COMMENSURATE VERIFICATION OF SCUPPER HEIGHT ABOVE ROOF DECK TO ARCHITECT TO CONFIRM NEED FOR DETAIL 10/A2.



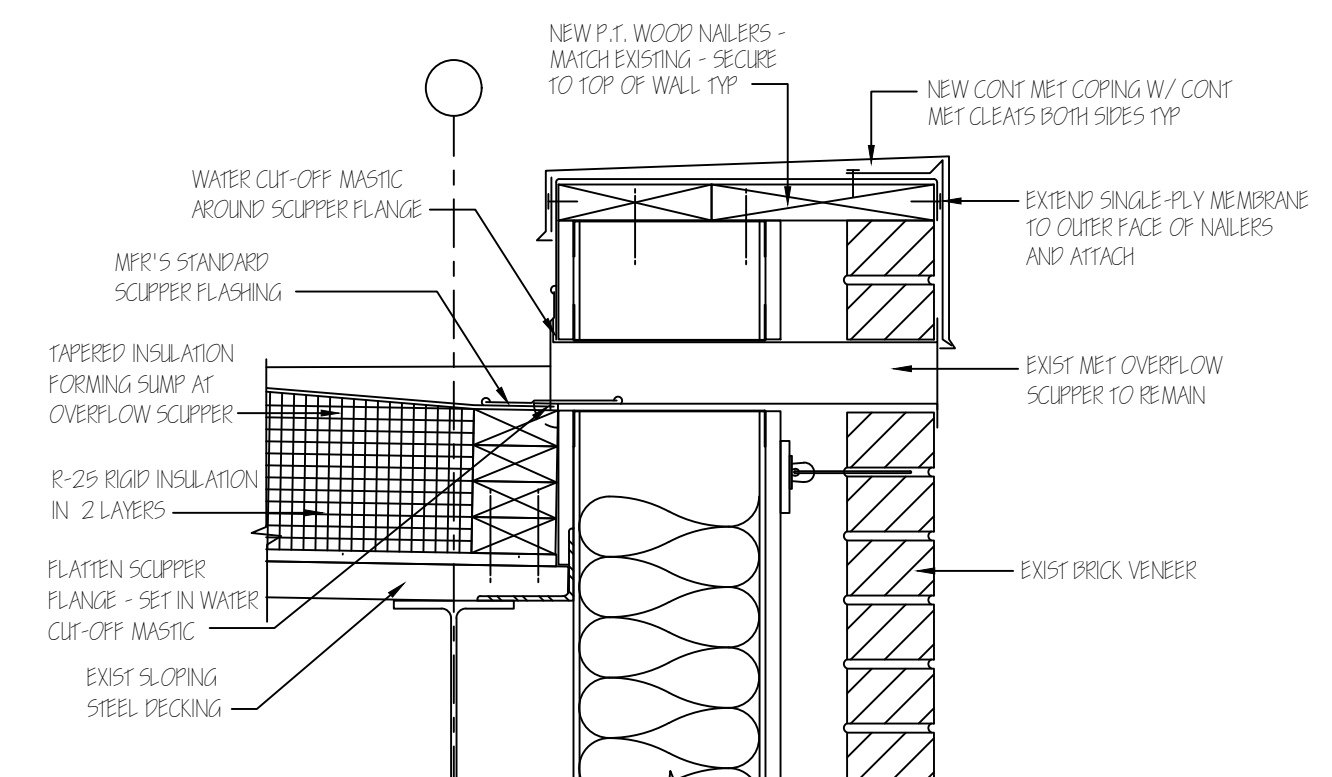
7 RE-ROOFING DETAIL
SCALE: 1 1/2" = 1'-0"



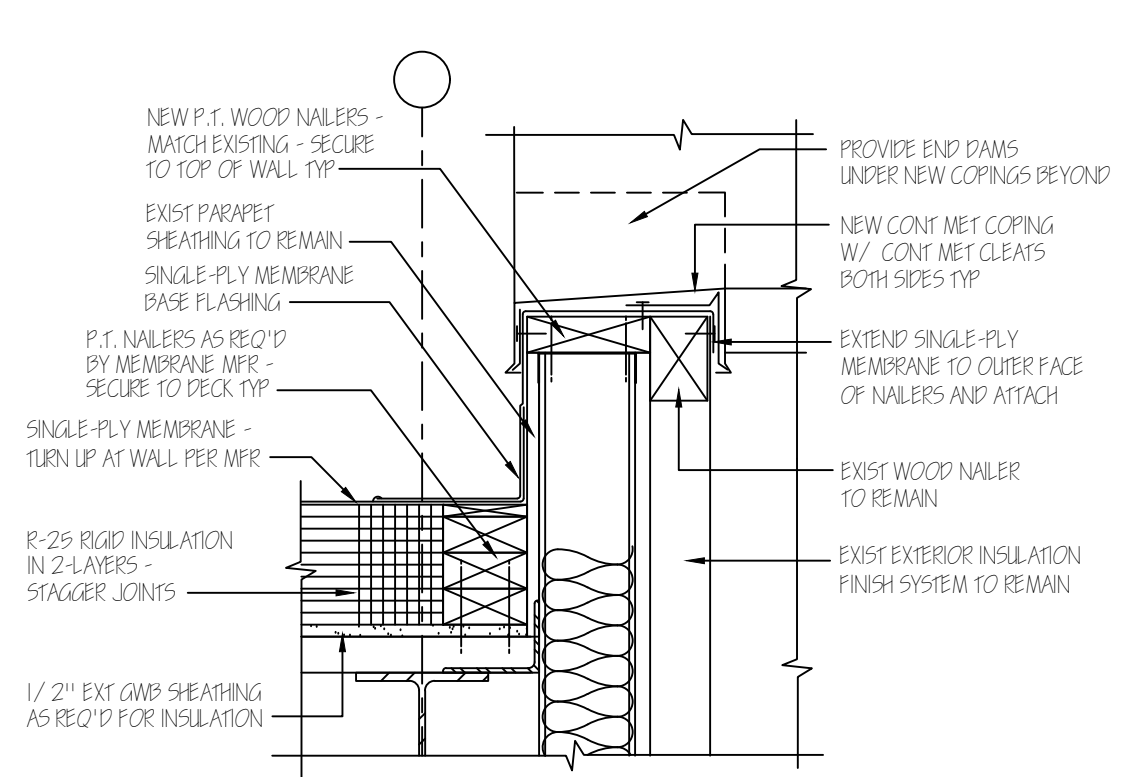
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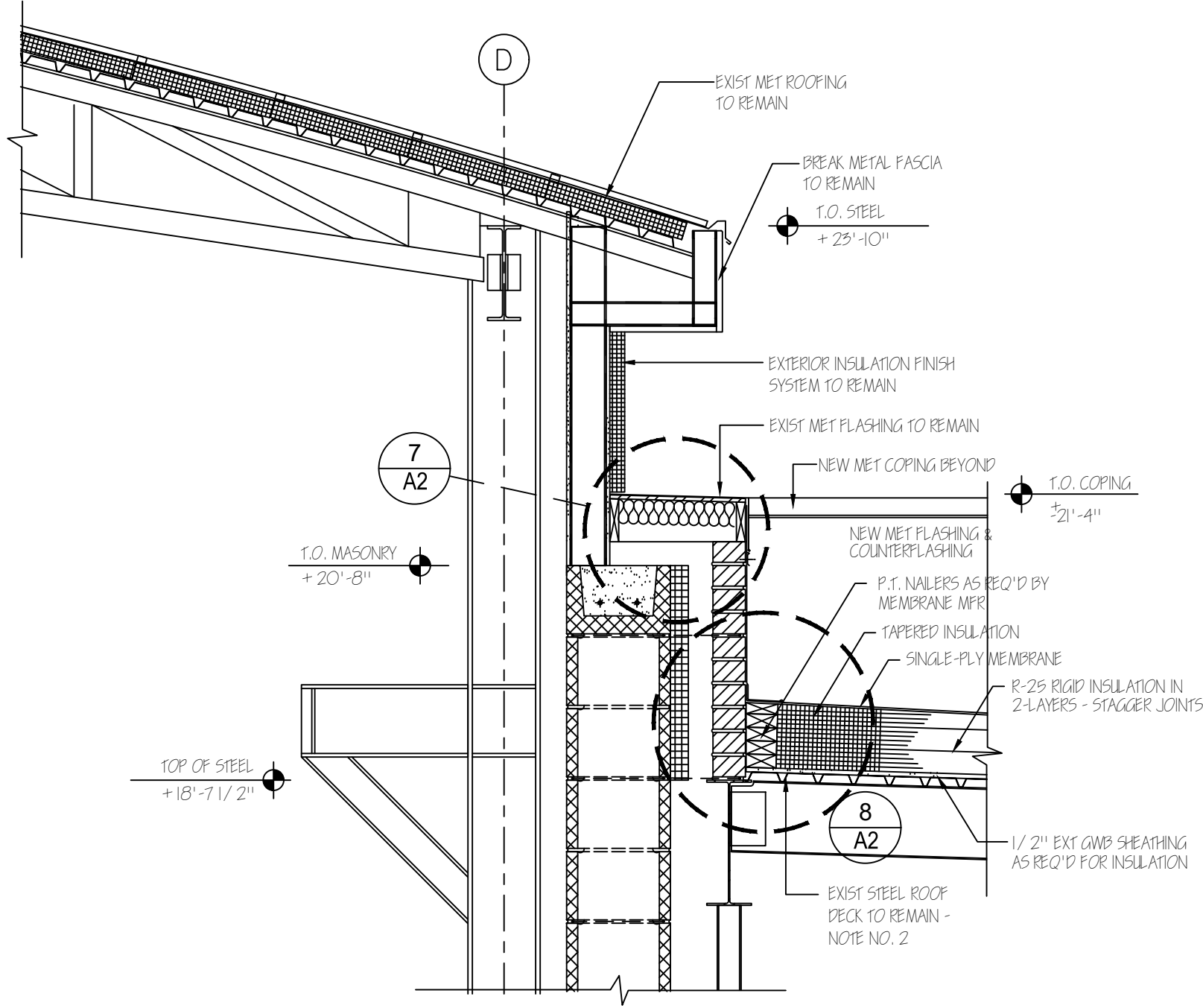
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SCALE: 1 1/2" = 1'-0"



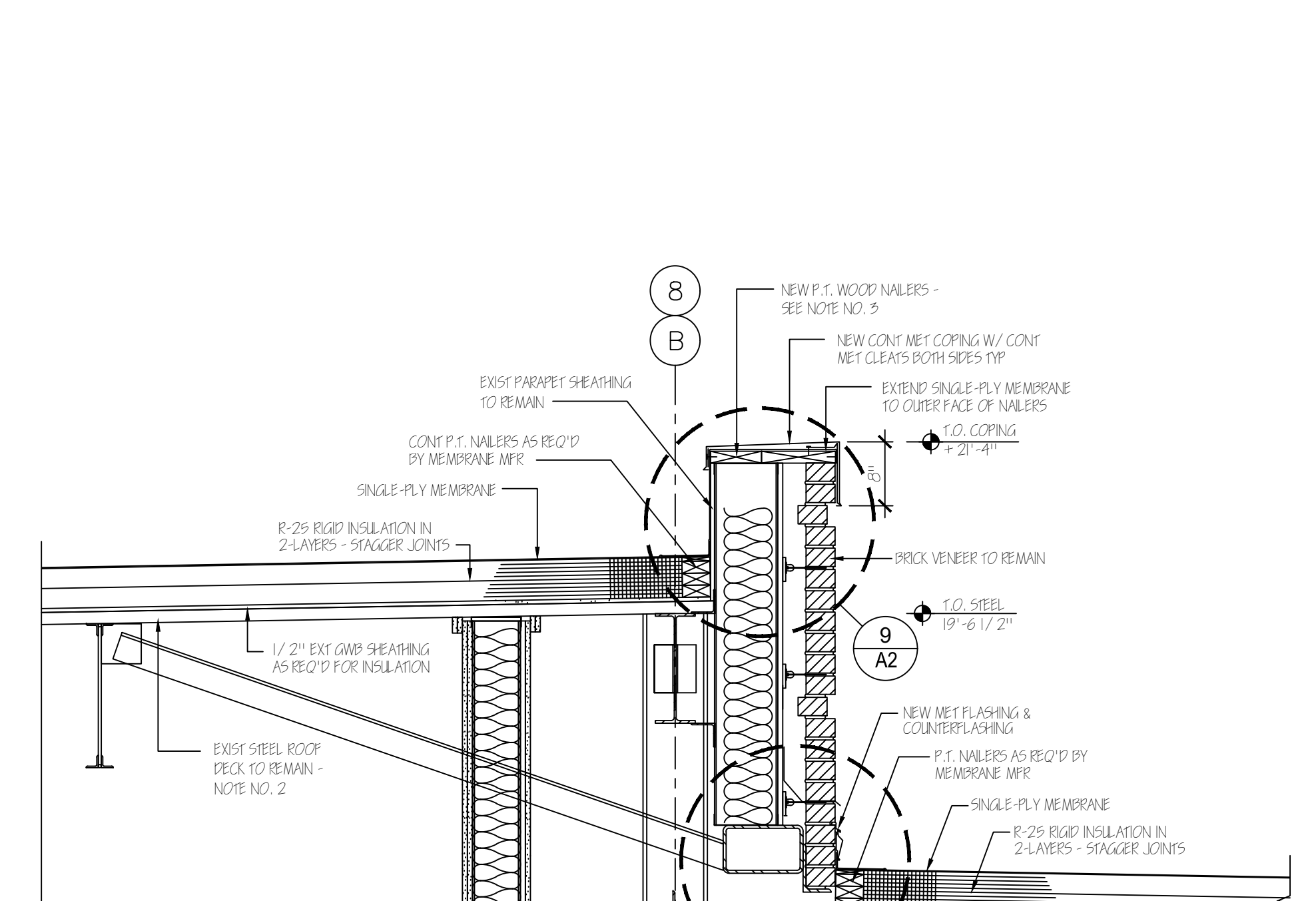
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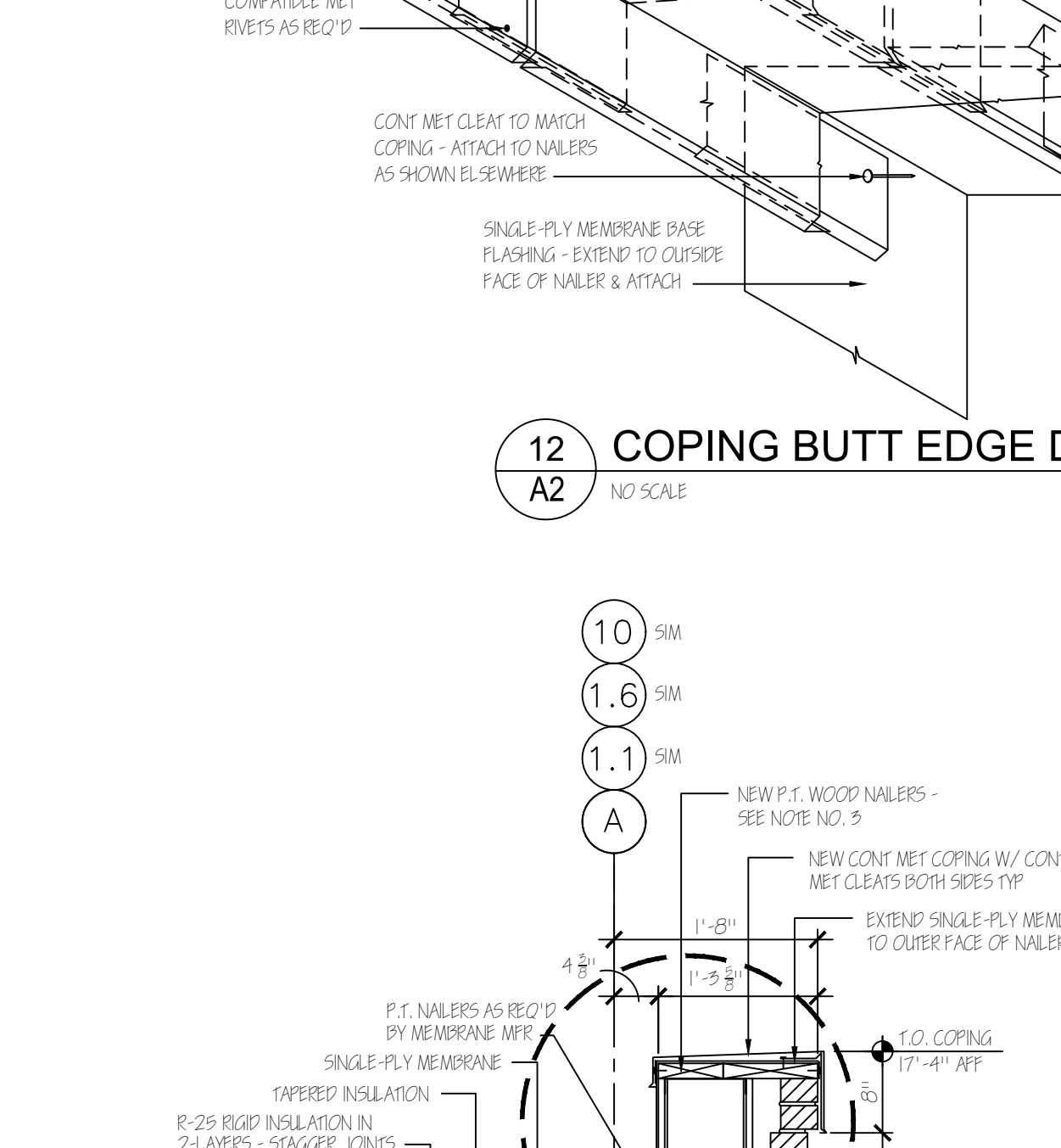
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SCALE: 1 1/2" = 1'-0"



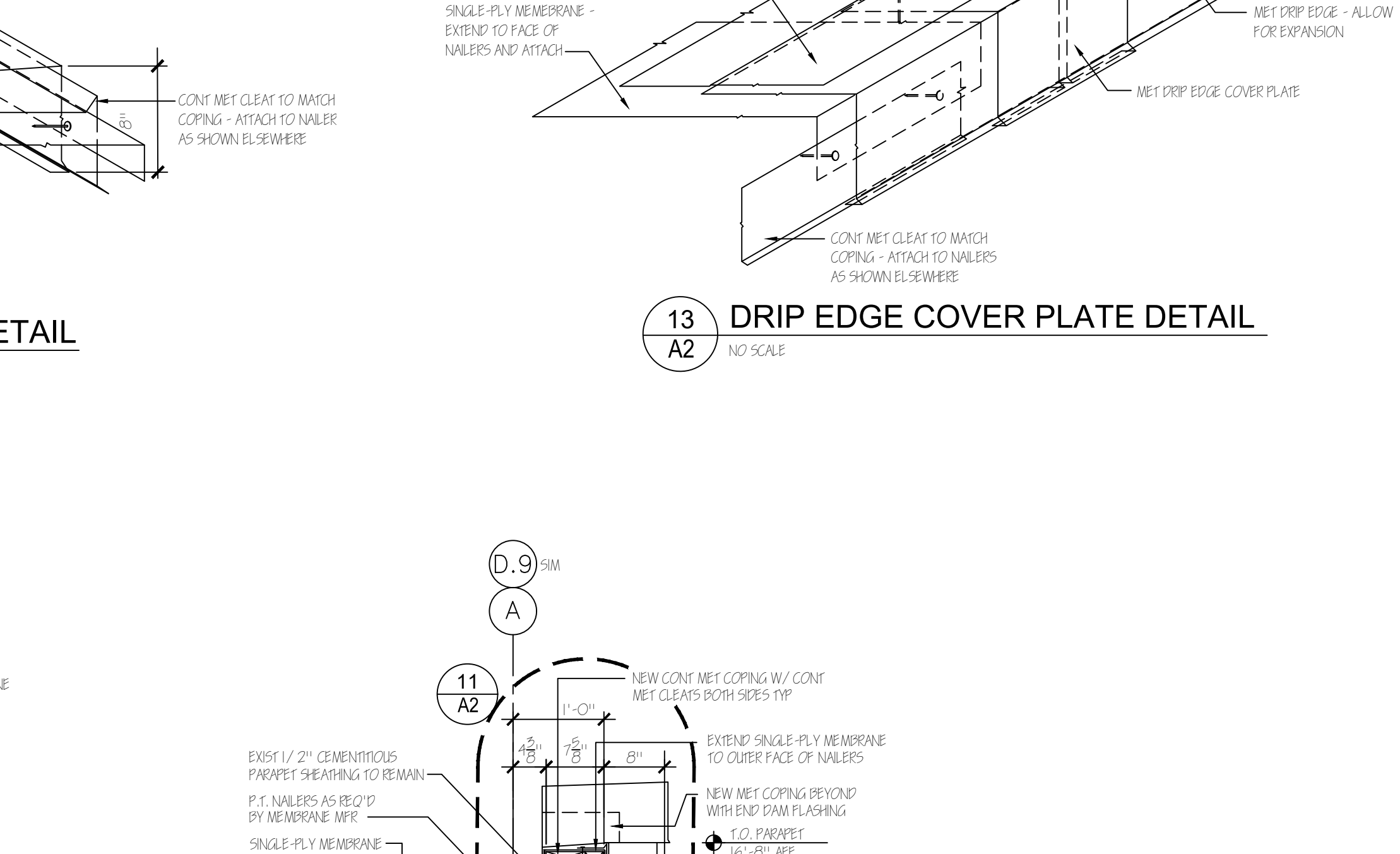
1 RE-ROOFING DETAIL
SCALE: 3/4" = 1'-0"



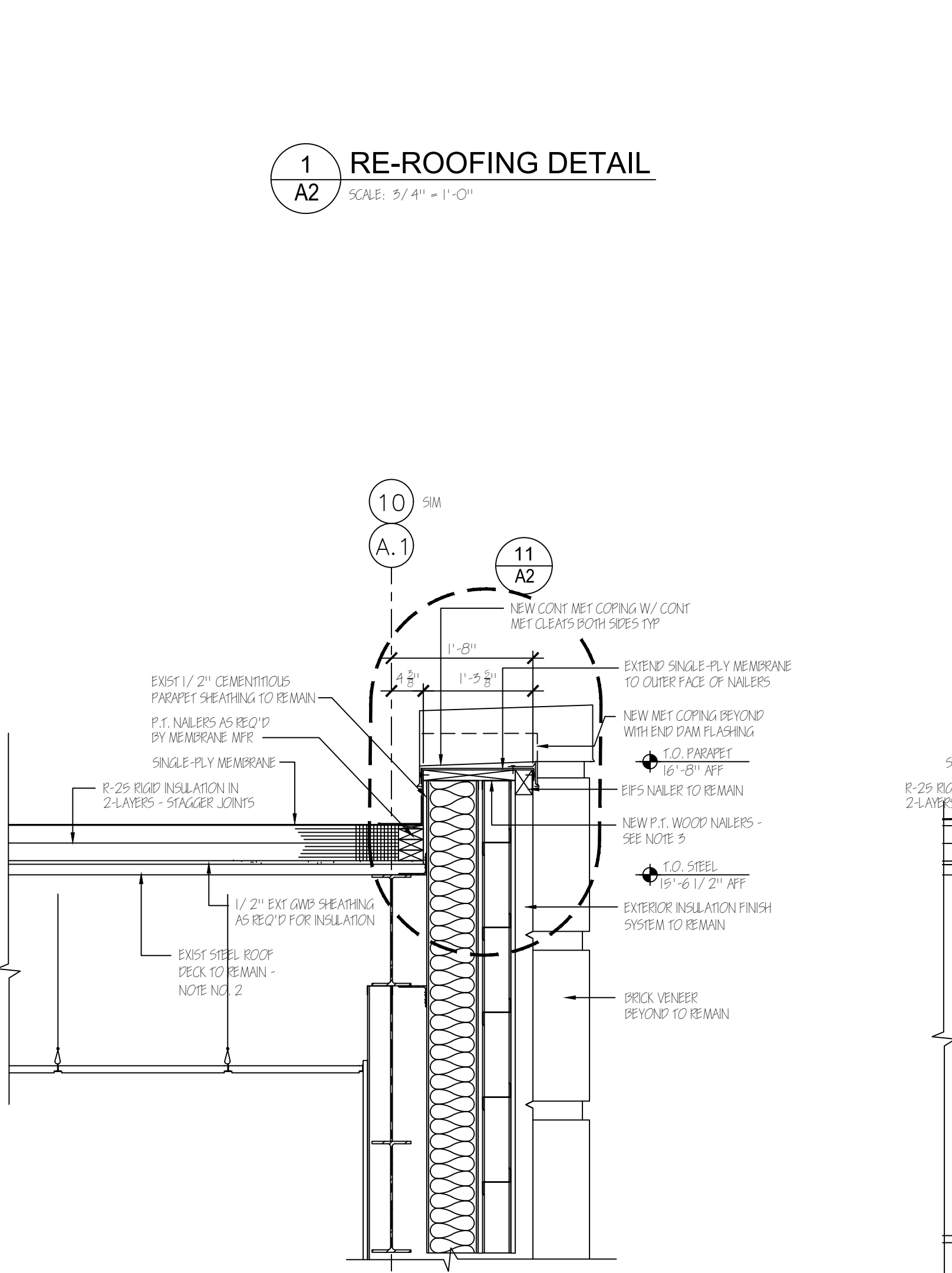
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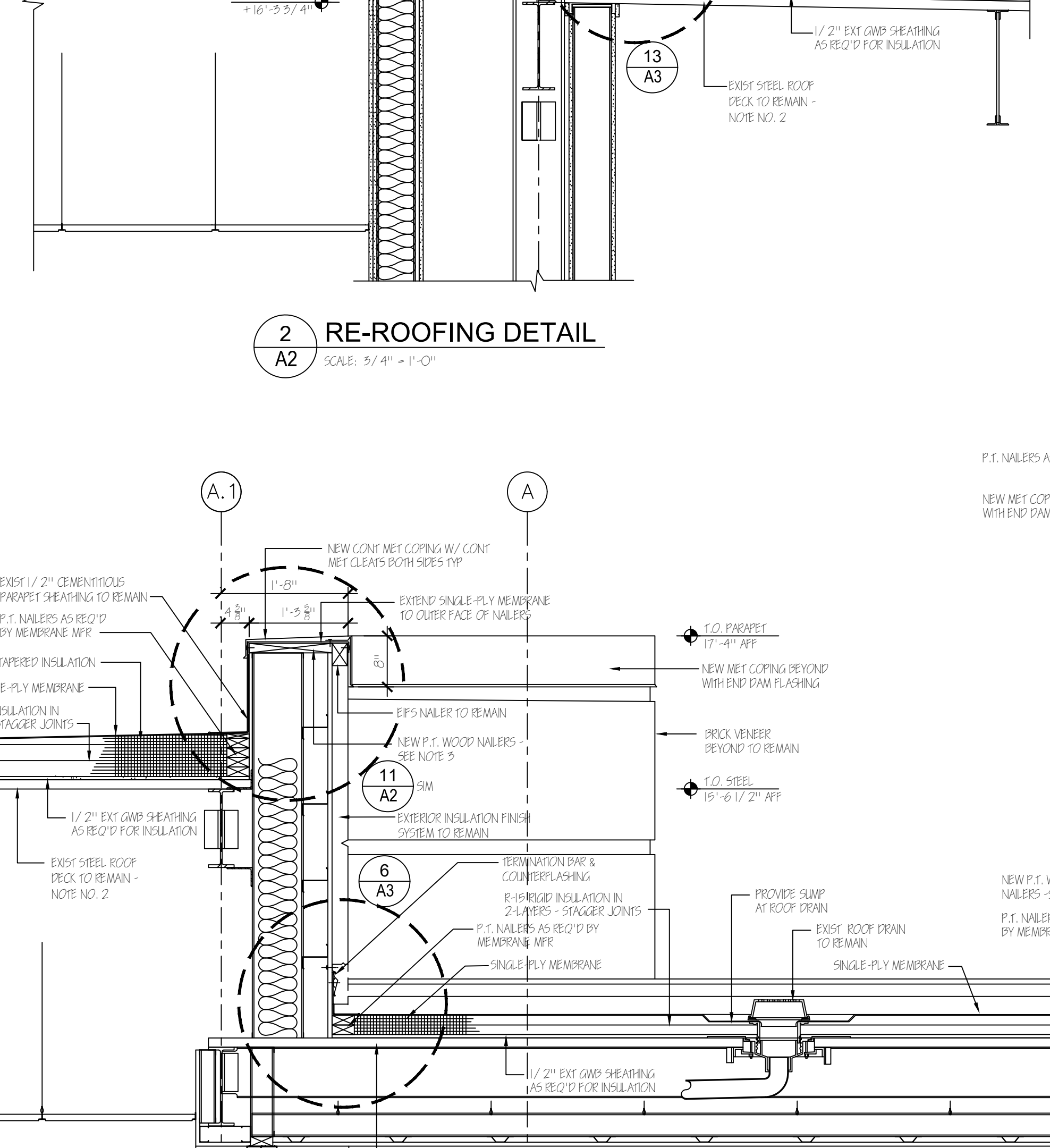
12 COPING BUTT EDGE DETAIL
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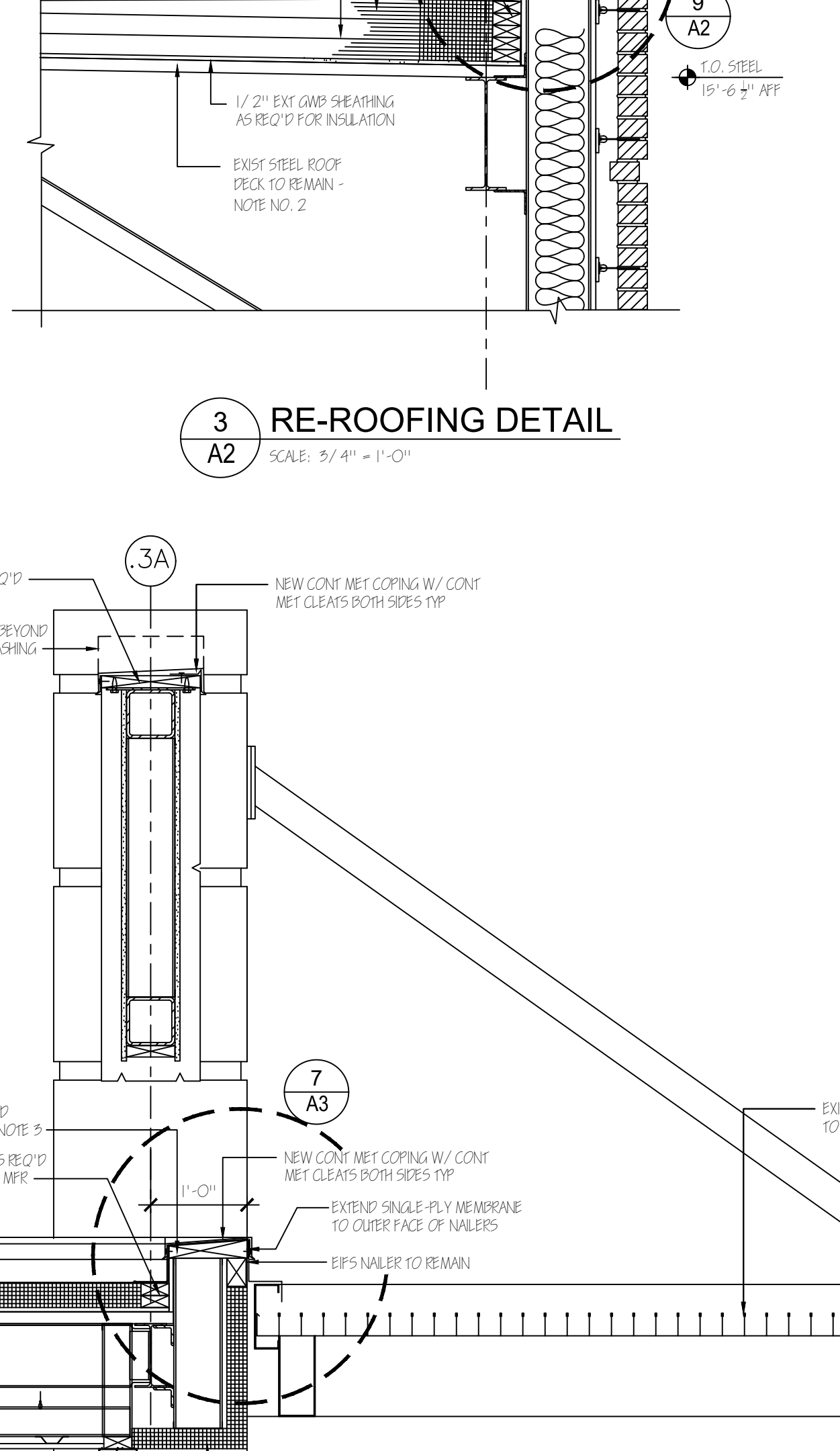
13 DRIP EDGE COVER PLATE DETAIL
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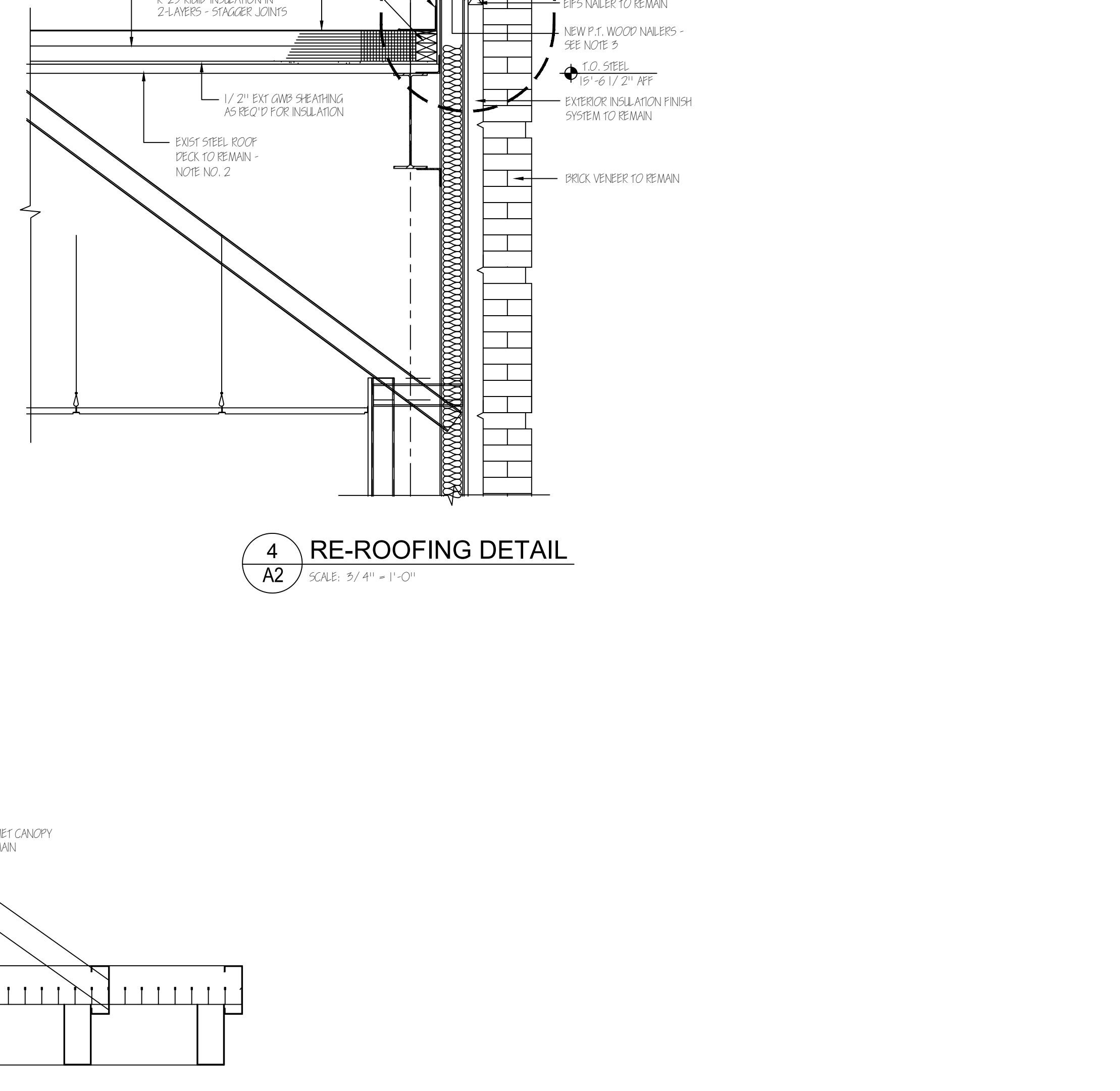
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SCALE: 3/4" = 1'-0"



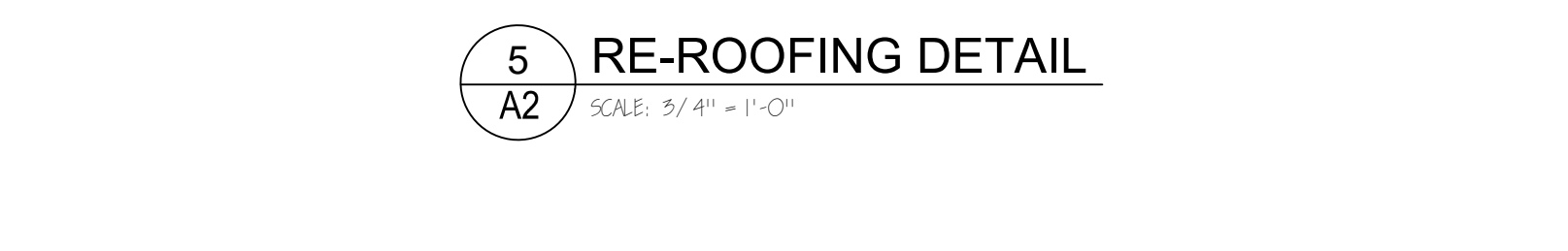
6 RE-ROOFING DETAIL
SCALE: 3/4" = 1'-0"



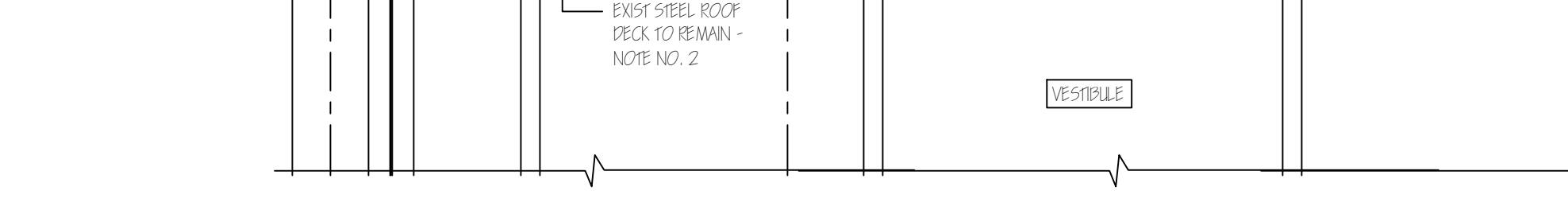
3 RE-ROOFING DETAIL
SCALE: 3/4" = 1'-0"



4 RE-ROOFING DETAIL
SCALE: 3/4" = 1'-0"



10A RE-ROOFING DETAIL
SCALE: 3/4" = 1'-0"



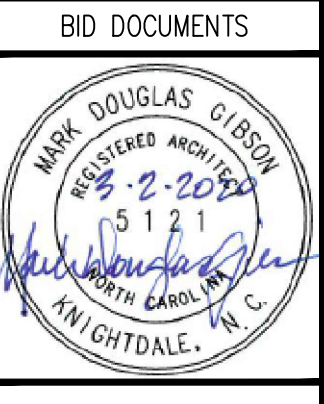
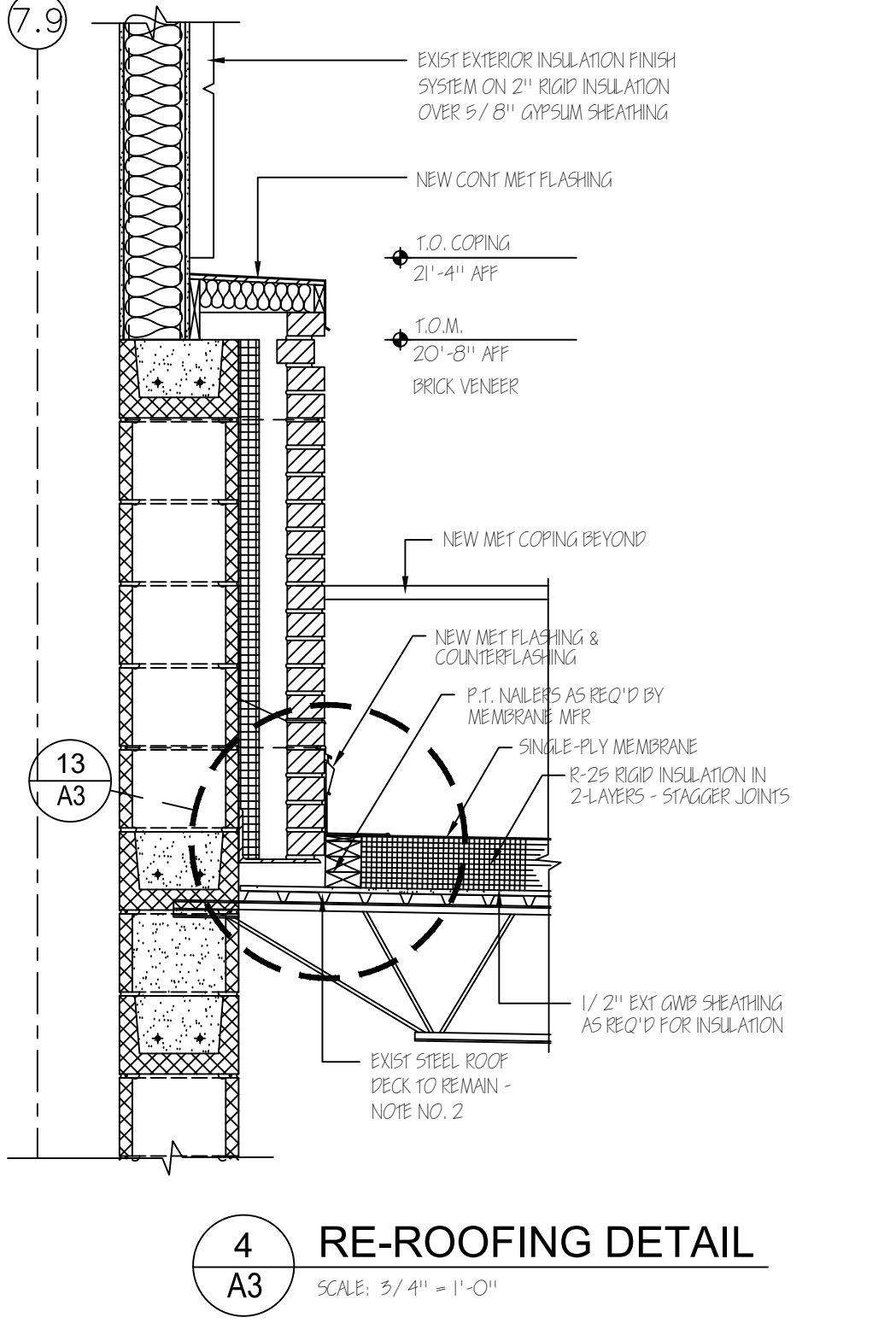
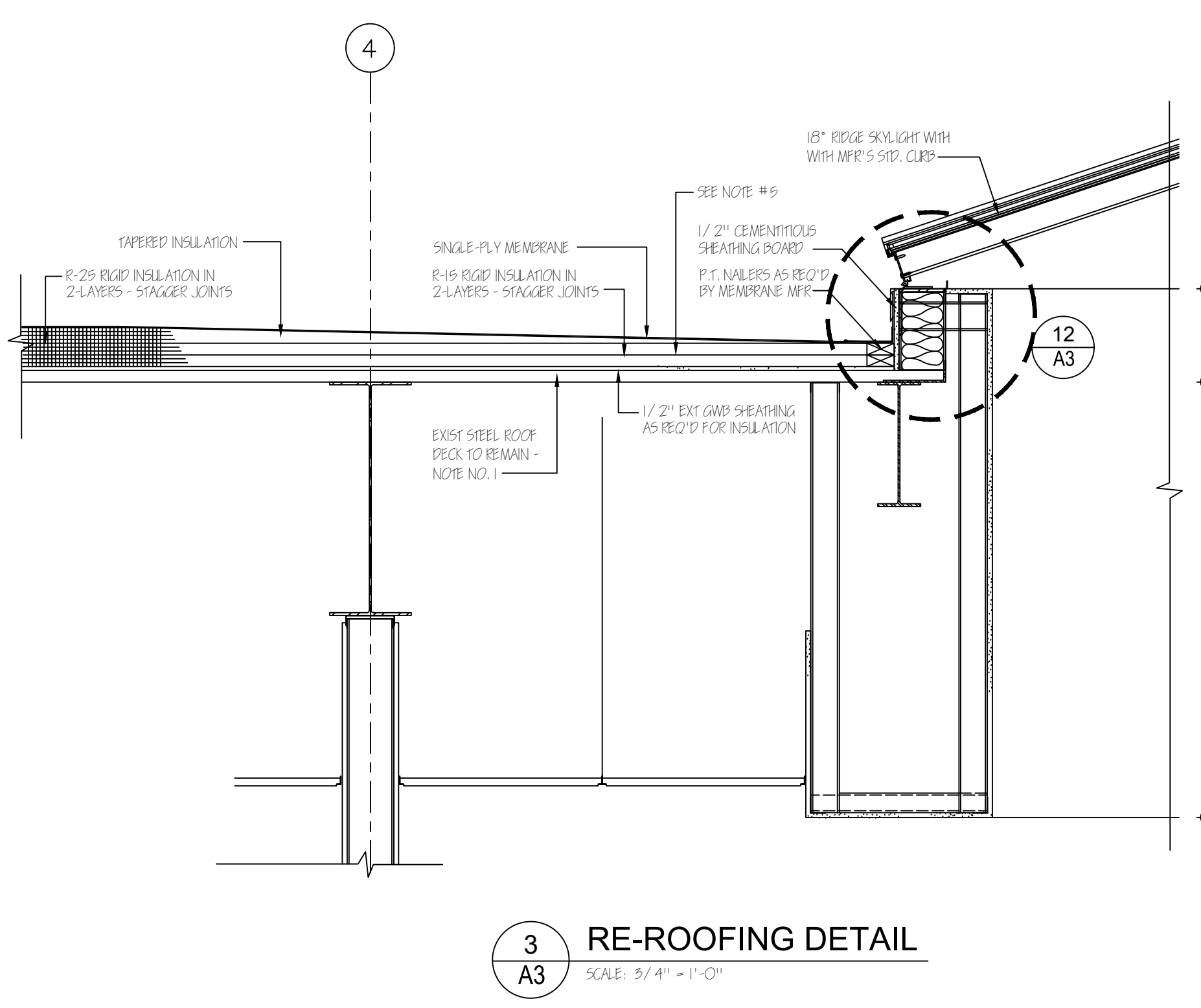
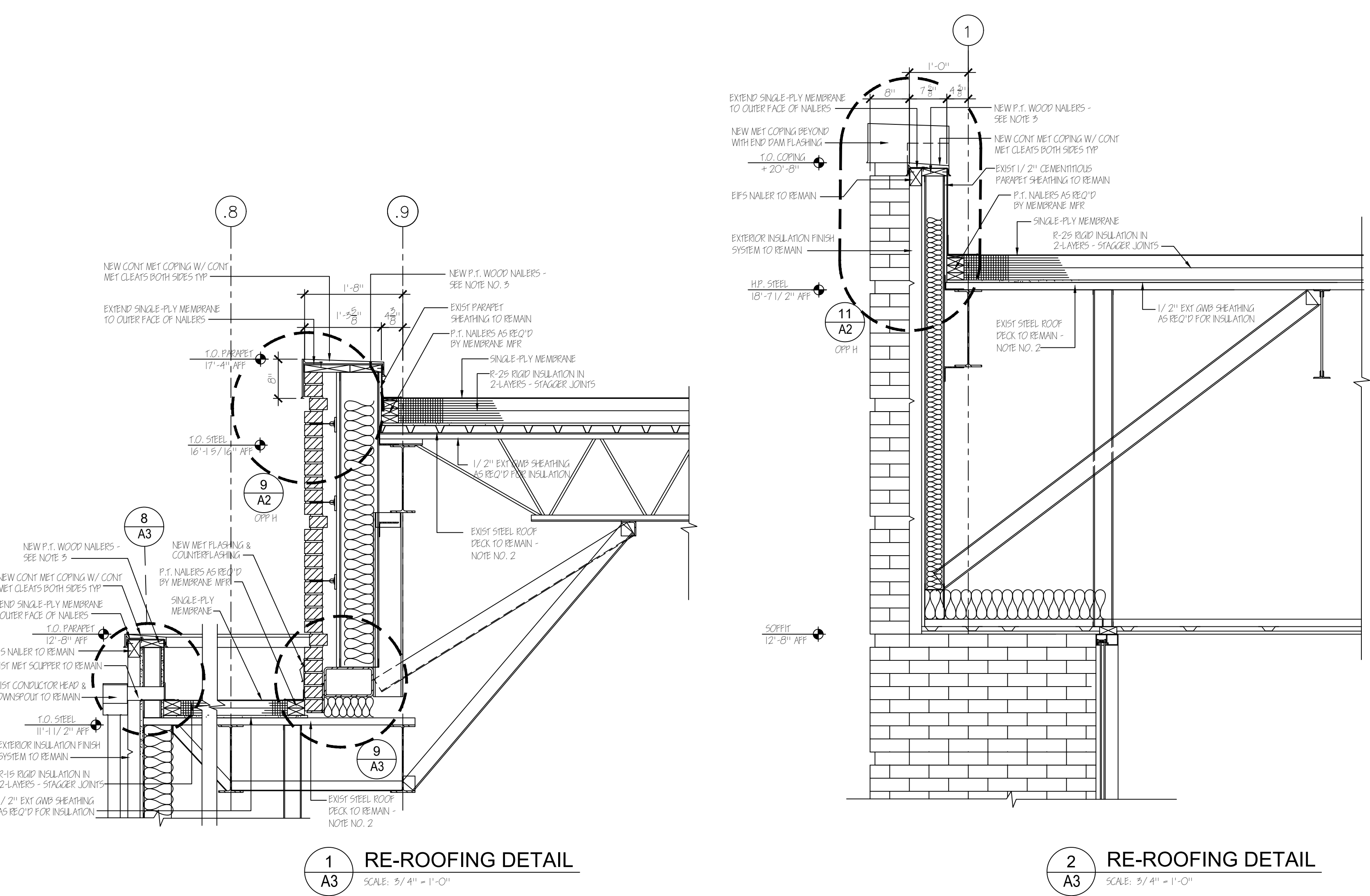
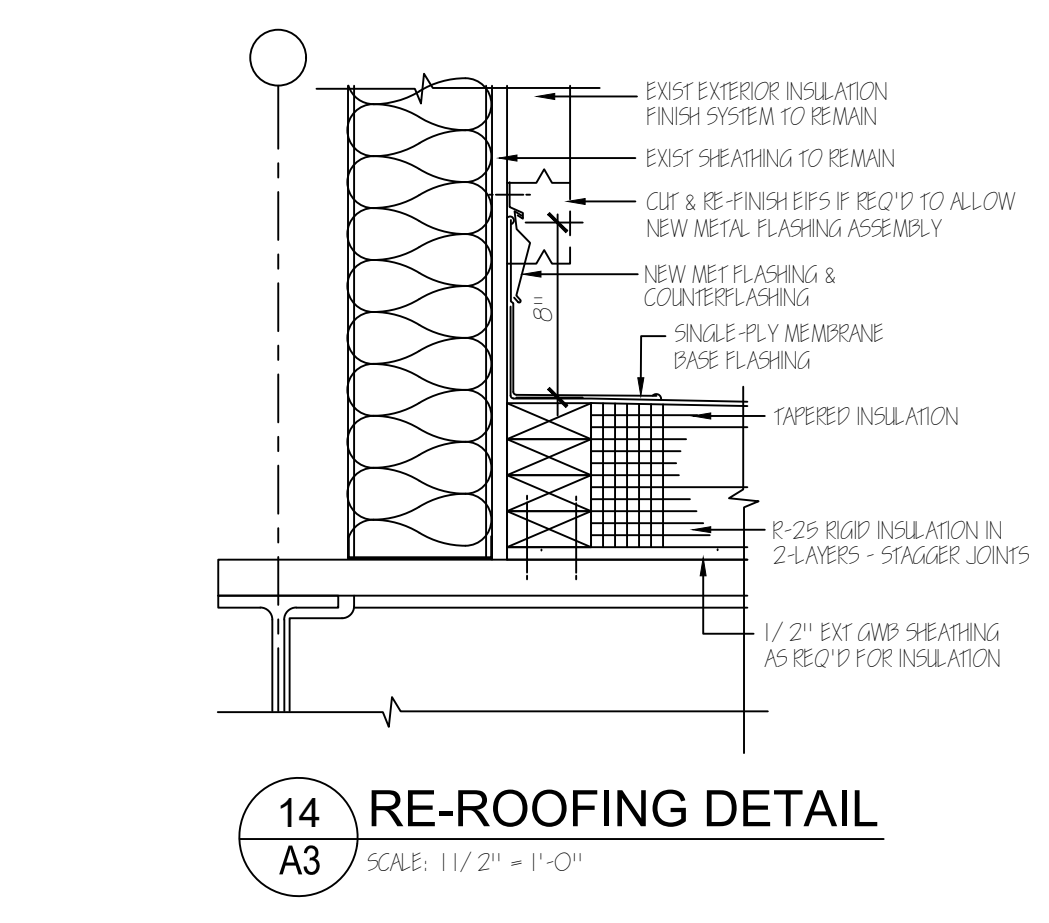
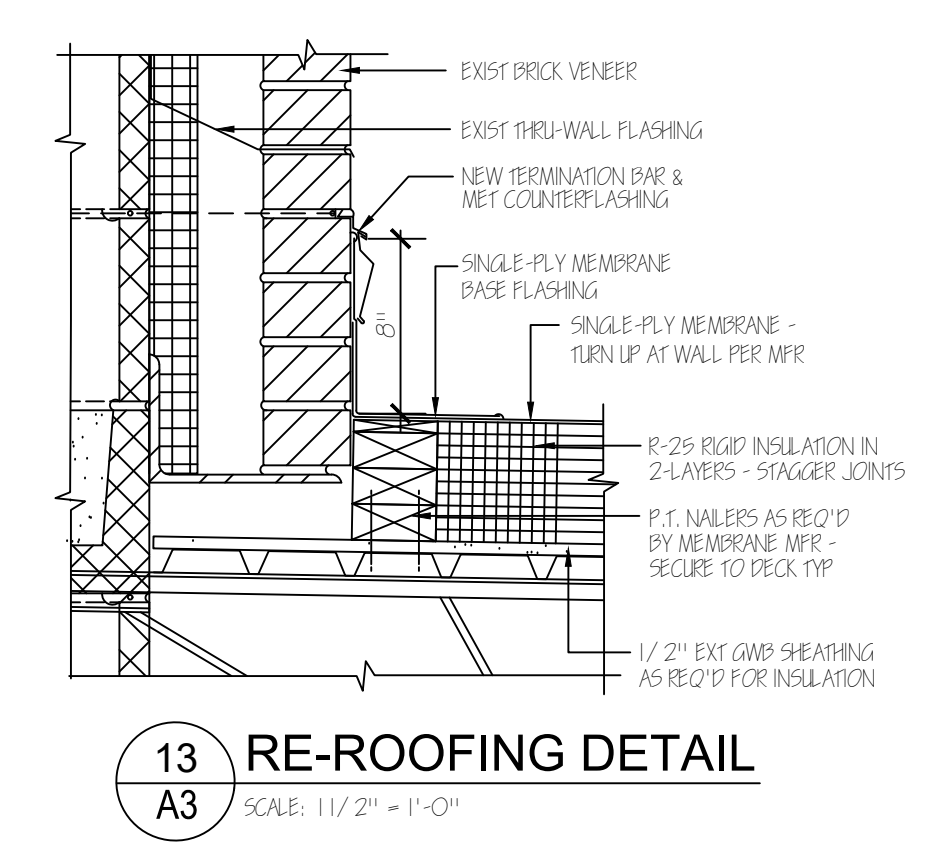
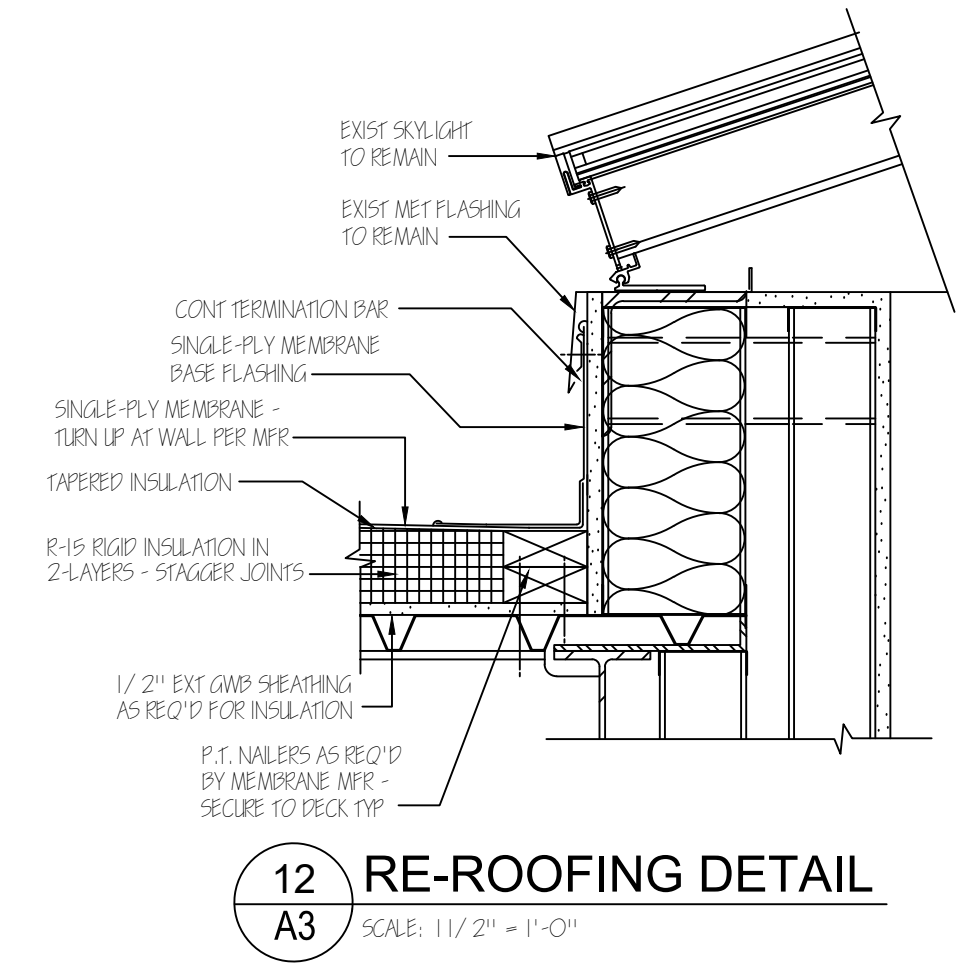
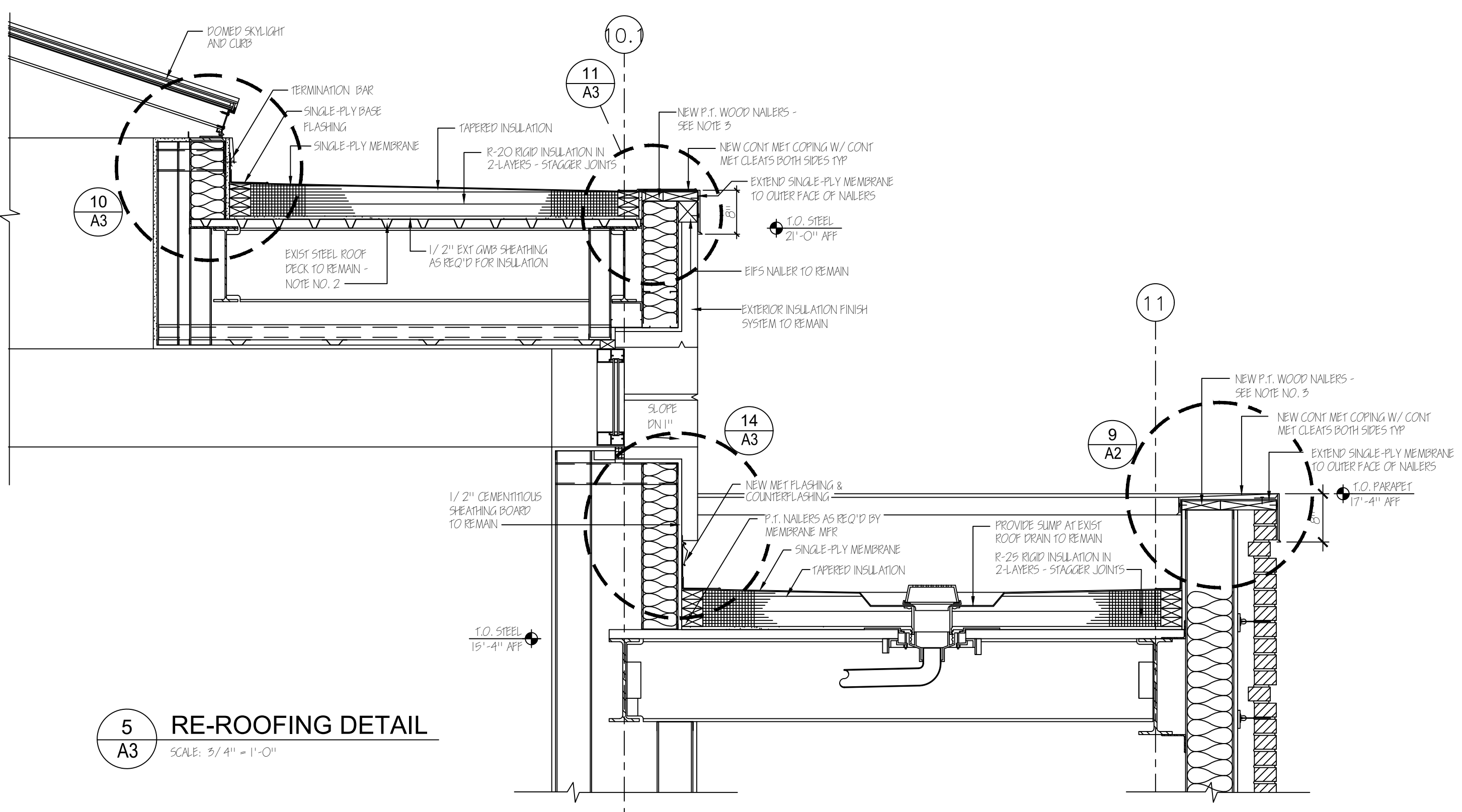
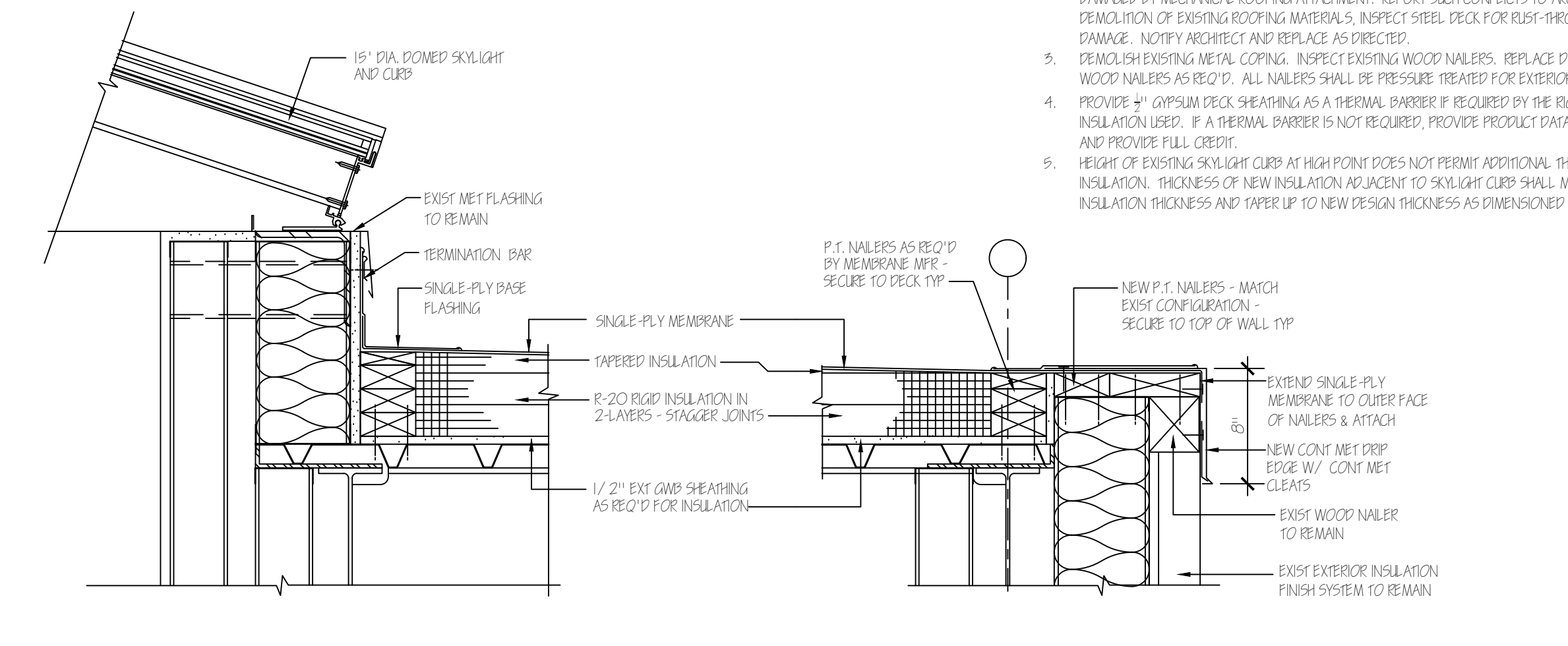
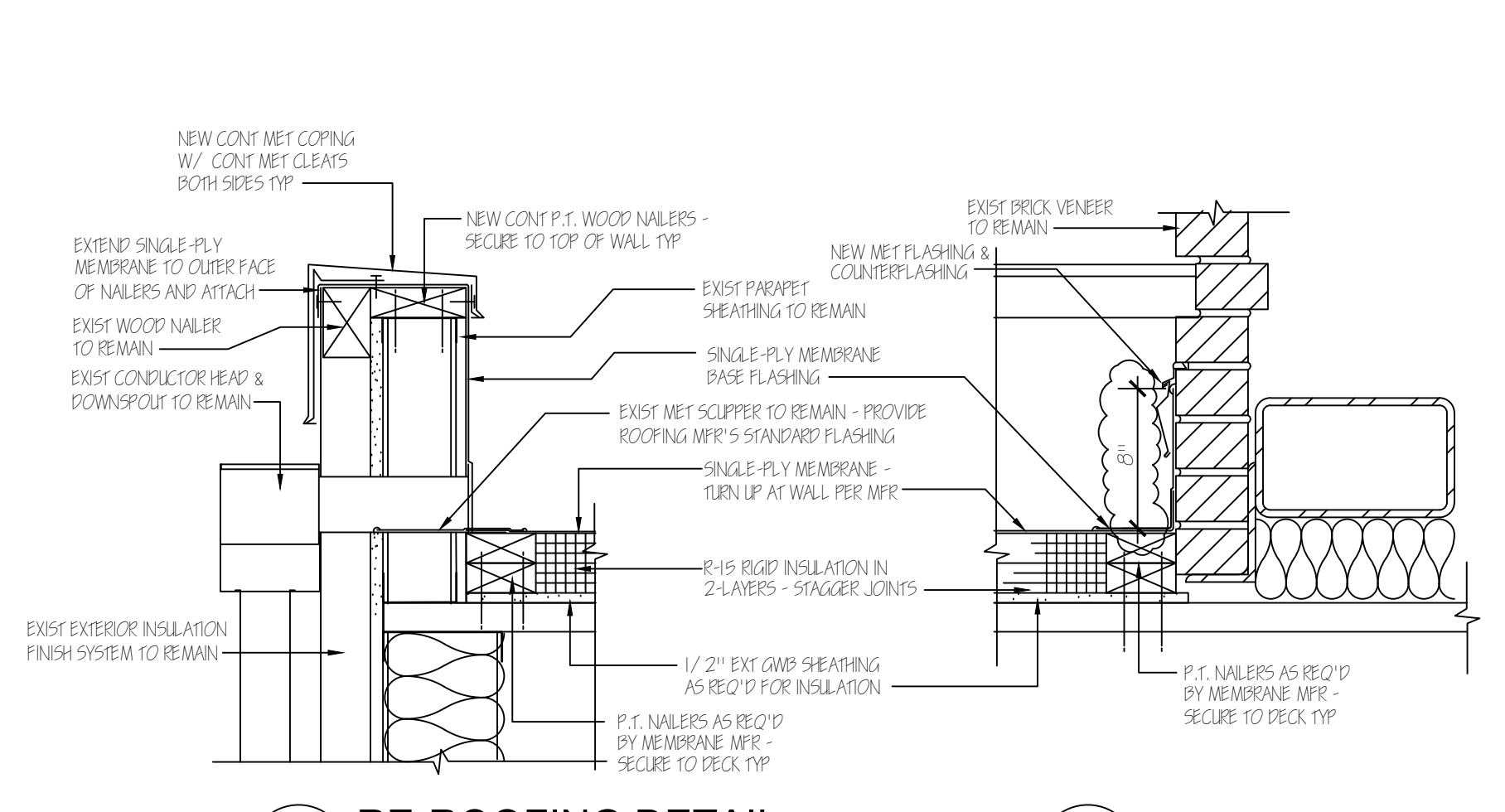
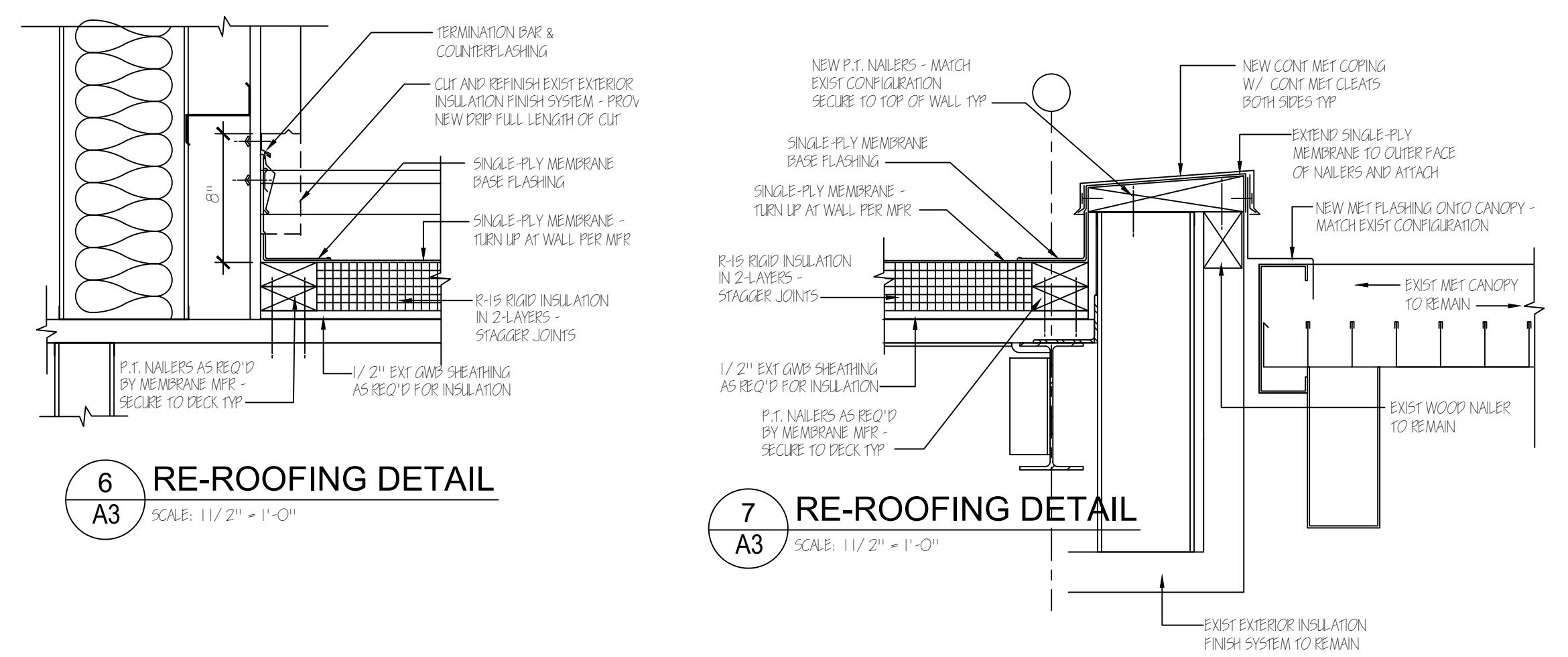
11A RE-ROOFING DETAIL
SCALE: 3/4" = 1'-0"



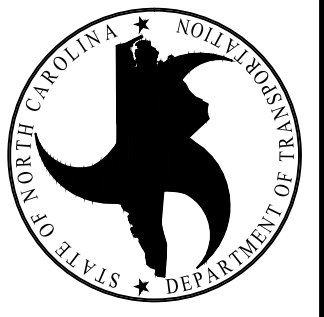
7A RE-ROOFING DETAIL
SCALE: 3/4" = 1'-0"

GENERAL NOTES:

- CONTRACTOR SHALL VERIFY CONDITIONS BEFORE BEGINNING WORK. CONTRACTOR SHALL NOTIFY ARCHITECT OF ALL DISCREPANCIES BEFORE BEGINNING OR CONTINUING WORK.
- BEFORE DEMOLITION, INSPECT UNDERSIDE OF ROOF DECK FOR CORROSION & FIXING THAT MAY BE DAMAGED BY EXISTING ROOFING MATERIALS. REPORT SUCH CONFLICTS TO ARCHITECT. AFTER DEMOLITION OF EXISTING ROOFING MATERIALS, INSPECT STEEL DECK FOR RUST-THROUGH OR OTHER DAMAGE. NOTIFY ARCHITECT AND REMOVE AS DIRECTED.
- DEMOLISH EXISTING METAL CORING. INSPECT EXISTING WOOD NAILES. REPLACE DECOMPOSED WOOD NAILES AS REQ'D. ALL NAILES SHALL BE PRESERVE TREATED FOR EXTERIOR USE.
- PROVIDE 4" GAP/IN SHEARING AS A MINIMUM SHEARER REQUIRED BY THE R-20 PLICED INSULATION USED. IF A FIBERGLASS SHEARER IS REQUIRED, PROVIDE PRODUCT DATA SHEET, SUGG. AND PROVIDE FULL CREDIT.
- HEIGHT OF EXISTING SKYLIGHT CURB AT HIGH POINT DOES NOT PREVENT ADDITIONAL THICKNESS OF INSULATION. THICKNESS OF NEW INSULATION RELATIVE TO SKYLIGHT CURB SHALL MATCH EXISTING INSULATION THICKNESS AND SHEAR UP TO NEW DESIGN THICKNESS AS DIMENSIONED ON ROOF PLAN.



DESIGNED BY:
NCOT FACILITIES DESIGN UNIT
ARCHITECT ENGINEERS



CONSULTANTS:
STATE OF NORTH CAROLINA

RE-ROOFING DETAILS

PROJECT TITLE / DESCRIPTION:
North Carolina Global Transpark Training Center Re-roofing

STATE CONSTRUCTION ID # 19-21361-01A

CO.# SITE # BLDG.#
88 - 02 - 00

ASSET NUMBER:

REVISIONS NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

NO. DATE

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NO. DATE

NO. DATE

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NO. DATE

DATE ISSUED: 1/17/2020
DRAWN BY: MDG
CHECKED BY: MDG
SHEET NO.

A3