MARYSVILLE PUBLIC SCHOOLS MARYSVILLE MIDDLE SCHOOL ROOF REPLACEMENT 2025

OWNER:

Marysville Public Schools 495 E Huron Blvd. Marysville, Michigan 48040 Contact: Mike Roehl Phone: 810-455-6290

CONSULTANT:

NTH Consultants, LTD. 41780 Six Mile Road Northville, Michigan 48168 Contact: Michael Neal Phone: 734-391-5511

400 Collard Drive Marysville, MI 48040

DRAWING INDEX:

TITLE SHEET

GENERAL NOTES, DEMOLITIC AND PROJECT SPECIFIC NOT **ENLARGED ROOF PLAN - ROC**

ENLARGED ROOF PLAN - RO

ENLARGED ROOF PLAN - ROC ROOF AREA L, ALTERNATE NC

ENLARGED ROOF PLAN - ROC

ROOF DETAILS 1-2

ROOF DETAILS 3-4

ROOF DETAILS 5-6 ROOF DETAILS 7-8

ROOF DETAILS 9-10

ROOF DETAILS 11-12

ROOF DETAILS 13-14

PREPARED BY:

NTH CONSULTANTS, LTD.

PROJECT NO. 24002588-00 JANUARY 2025

ISSUED FOR BIDS

	SHEET 1 OF 13
ON NOTES, TES	SHEET 2 OF 13
OF AREA D, ALTERNATE NO.1	SHEET 3 OF 13
OOF AREA E, ALTERNATE NO.2	SHEET 4 OF 13
OF AREA G AND ROOF PLAN- O.3	SHEET 5 OF 13
OF AREAS J AND K	SHEET 6 OF 13
	SHEET 7 OF 13
	SHEET 8 OF 13
	SHEET 9 OF 13

SHEET 2 OF 13
SHEET 3 OF 13
SHEET 4 OF 13
SHEET 5 OF 13
SHEET 6 OF 13
SHEET 7 OF 13
SHEET 8 OF 13
SHEET 9 OF 13
SHEET 10 OF 13
SHEET 11 OF 13
SHEET 12 OF 13
SHEET 13 OF 13

NTH Cons	sultants, Ltd.
Infrastruct	ure Engineering iental Services
Facilities	s Engineering
Northville, MI Detroit, MI	Lansing, MI Grand Rapids, MI II (Laboratory)
Yellow OIL & GAS Orange PHONE & CATV Red ELECTRIC	3 WORKING DAYS BEFORE YOU DIG CALL MISS DIG © 1-800-482-7171 For free location of public utility lines. ERNATE NUMBER (811) CODES FOR UTILITY LOCATING: Brue WATER Green STORM DRAIN Brown SEWER Pink SURVETING EAR OVERHEAD WIRES CALL MISS DIG
SEAL/STAMP:	
KEY MAP:	NORTH ARROW:
	North Autow.
	BMITTAL
REV DATE:	DESCRIPTION
PROJECT NAME:	
MARYSVILLE SCHOOL 202	
REPLACEME	NT
PROJECT LOCATION:	
400 COLLAR MARYSVILLE	
DESIGNED BY:	NTH PROJECT NO.: 24002588
TML DRAWN BY: OH	SHEET SIZE: ARCH D (24"x36")
CHECKED BY: MLN	DATE: 01/10/2025
CAD FILE NAME:	LE MIDDLE SCHOOL 202
SHEET TITLE:	
TITLE SHEET	I
SHEET NUMBER:	
	01

GENERAL NOTES

- ALL COMPONENTS SHOWN IN THE DETAILS ARE "NEW" UNLESS OTHERWISE INDICATED.
- DETAILS OF EXISTING COMPONENTS INCLUDED IN THESE PLANS ARE CONCEPTUAL AND MAY NOT BE THE SAME AS ENCOUNTERED IN THE FIELD. THEY ARE BASED ON AVAILABLE INFORMATION AT THE TIME OF PREPARATION OF THESE DOCUMENTS AND NON DESTRUCTIVE INVESTIGATIONS IN THE FIELD. NTH HAS CONDUCTED ALL REASONABLE INVESTIGATION INTO THE FIELD CONDITIONS OF THE STRUCTURE TO PROVIDE THE CONTRACTOR WITH ACCURATE INFORMATION. ANY ERRORS OR OMISSIONS ARE UNINTENTIONAL AND THE CONTRACTOR IS ADVISED TO DOCUMENT SUCH VARIATIONS AND SUBMIT TO OWNER FOR REVIEW VIA PHOTOS, SKETCHES, OR OTHER APPROPRIATE MEANS.
- CONTRACTOR SHALL CHECK ACTUAL CONDITIONS BY FIELD MEASUREMENT BEFORE FABRICATION 3. TO ENSURE PROPER FIT AND ALIGNMENT OF NEW COMPONENTS WITH EXISTING CONDITIONS. FIELD MEASUREMENTS ARE TO BE INDICATED ON SHOP DRAWINGS IF REQUESTED BY OWNER
- CONTRACTOR SHALL SUBMIT A WORK PLAN AND SCHEDULE FOR REVIEW PRIOR TO STARTING 4. WORK AND WILL NOTIFY THE OWNER AND OWNER'S REPRESENTATIVES OF ANY DEVIATIONS FROM THAT PLAN OR SCHEDULE AS SOON AS THEY ARE APPARENT.
- CONTRACTOR IS RESPONSIBLE FOR ALL WORK INCIDENTAL TO OR INDICATED IN THESE PLANS AND PERFORMED OR CONDUCTED BY THEMSELVES, THEIR SUB-CONTRACTORS, OR THEIR AGENTS.
- CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, PROCEDURES AND SEQUENCING OF WORK.
- 7. CONTRACTOR SHALL PROVIDE FIRE WATCH COMPLYING WITH THE OWNERS REQUIREMENTS DURING ALL HOT WORK SUCH AS CUTTING, WELDING, GRINDING, ETC.
- CONTRACTOR SHALL PROTECT OWNER PROPERTY NOT INCLUDED IN THIS WORK BUT IN THE 8. IMPACTED AREA FROM DAMAGE DURING CONSTRUCTION ACTIVITIES.
- CONTRACTOR IS RESPONSIBLE FOR SECURING AND PAYMENT OF ALL REQUIRED PERMITS PERTAINING TO THIS WORK
- 10. CONTRACTOR WILL ENSURE ALL WORK IS CONDUCTED WITHIN THE REQUIREMENTS OF APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND LAWS.
- 11. VERIFY IN THE FIELD (VIF) ALL MEASUREMENTS INDICATED ON THESE PLANS. MEASUREMENTS ARE PROVIDED FOR ESTIMATION PURPOSES ONLY. DIMENSIONS OF COMMON ELEMENTS MAY VARY FOR EACH LOCATION.
- 12. CONTRACTOR WILL REPLACE IN KIND, ANY EQUIPMENT, MATERIALS OR PROPERTY DAMAGED BY THE CONTRACTOR OR THEIR AGENTS AT NO ADDITIONAL CHARGE TO OWNER.
- 13. EXISTING CONDITIONS WHICH REQUIRE MODIFICATIONS TO THE DESIGN OF THE PROPOSED CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER.

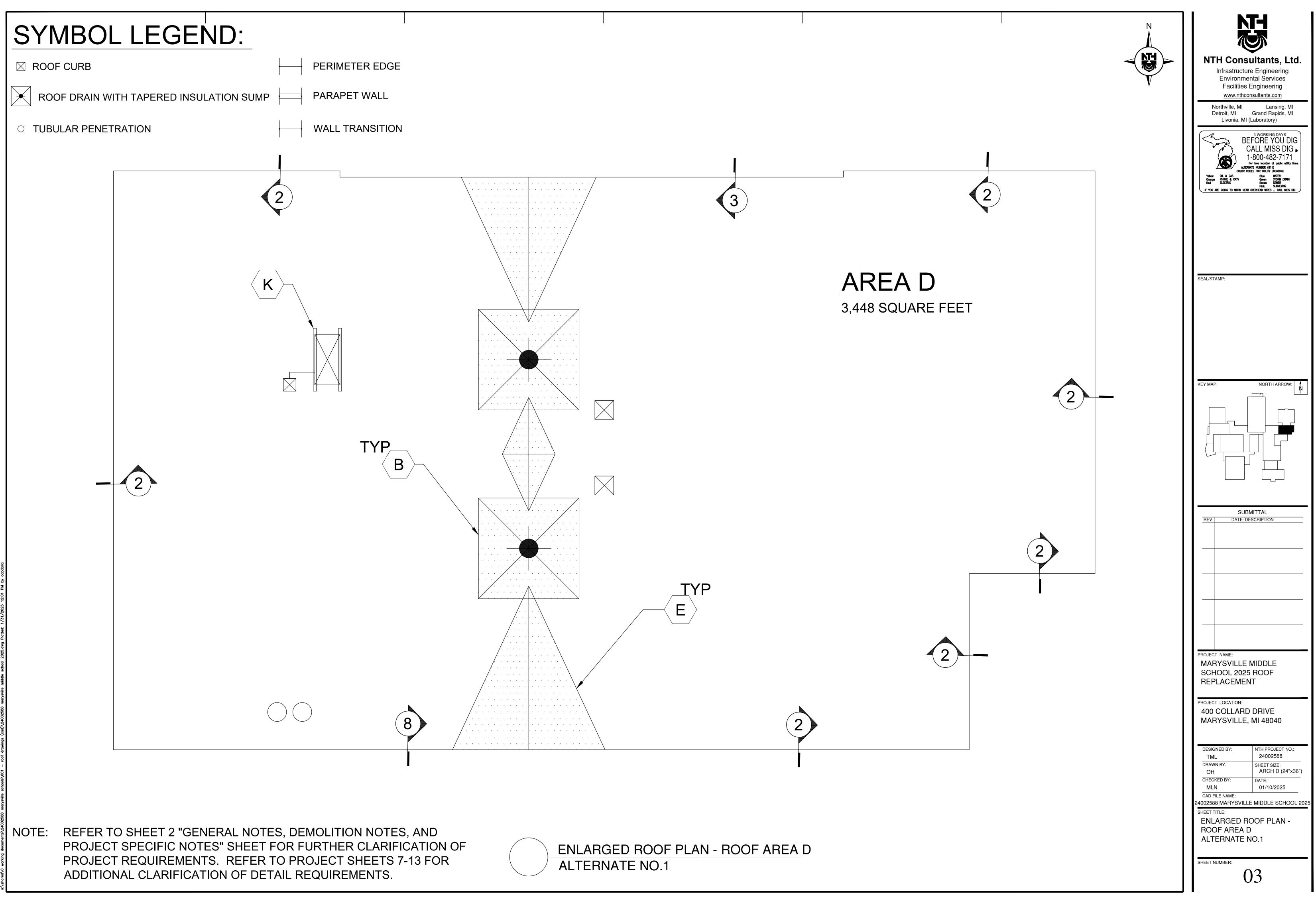
DEMOLITION NOTES

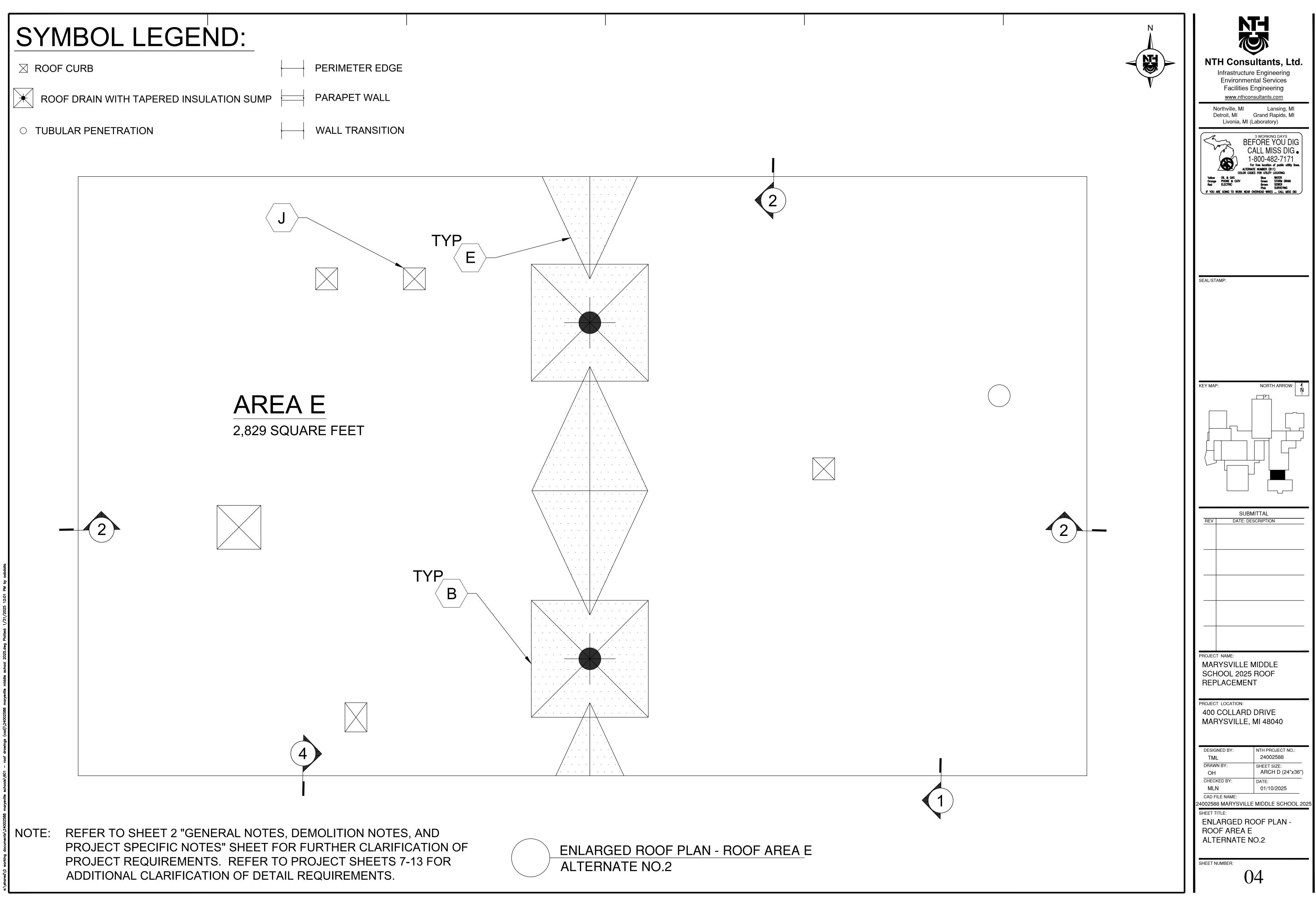
- COORDINATE DEMOLITION WORK WITH OWNER TO MINIMIZE DISRUPTIONS OF FACILITY OPERATIONS
- 2. CONTRACTOR(S) TO MEET WITH OWNER PRIOR TO BEGINNING WORK TO DETERMINE RESPONSIBILITIES OF REMOVAL OR MODIFICATION OF SPECIFIC PIECES OF EQUIPMENT NOTED OR OTHERWISE.
- CONTRACTOR SHALL COORDINATE SEQUENCE OF WORK, SCHEDULE, UTILITY SHUT DOWNS, 3. STAGING AREAS, ETC., WITH OWNER FOR ALL EQUIPMENT INVOLVED IN OR AFFECTED BY HIS WORK.
- 4. VERIFY LOCATIONS OF CONCEALED EXISTING UTILITIES AND CONDUITS BEFORE START OF **DEMOLITION WORK.**

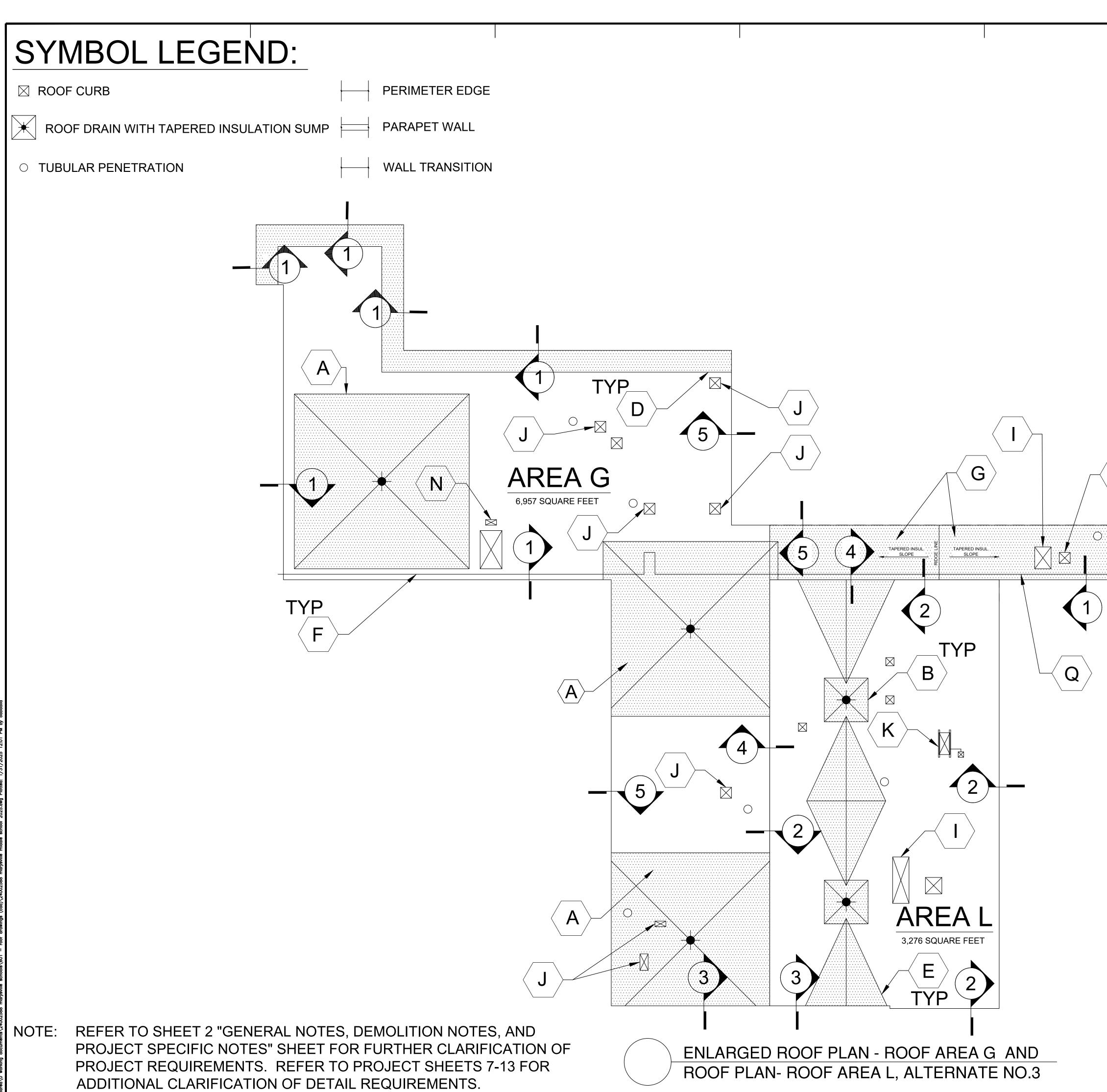
PROJECT SPECIFIC NOT

- WITHIN AREAS G AND J, PROVIDE 24-FOOT BY 24-FOOT TAPERED SUMP AREAS WITH A MINIMUM SLOPE $\langle \mathsf{A} \rangle$ OF 1/8-INCH PER FOOT TO THE ROOF DRAIN.
- WITHIN AREAS D, E, L AND K, PROVIDE 8-FOOT BY 8-FOOT TAPERED SUMP AREAS WITH A MINIMUM SLOPE $\langle \mathsf{B} \rangle$ OF 1/8-INCH PER FOOT TO THE ROOF DRAIN.
- REFER TO DETAIL NO. 4 (SIM) FOR FLASHING REQUIREMENTS AT SOUTHEAST CORNER OF AREA J
- WHERE INDICATED, PROVIDE 4-FOOT TAPERED EDGE STRIPS AT THE ROOF PERIMETER. REFER TO THE $\langle \mathsf{D}$ PERIMETER EDGE DETAIL
- WITHIN AREAS D, E, L AND K, PROVIDE INSULATION SADDLES AT THE LOCATIONS INDICATED ON THE $\langle \mathsf{E} \rangle$ **ROOF PLANS.**
- EXISTING GAS LINE. DISPLACE GAS LINE AT AREA ENTRY POINTS TO ALLOW FOR INSTALLATION OF NEW ROOF SYSTEM. MODIFY THE GAS LINE, IF NECESSARY, TO ACCOMMODATE NEW ROOF SYSTEM THICKNESS AND ELEVATION VARIATIONS RESULTING FROM TAPERED INSULATION. THE GAS LINE SHALL HAVE A 4-INCH MINIMUM CLEARANCE BETWEEN THE BOTTOM OF THE LINE AND THE COMPLETED ROOF MEMBRANE SURFACE. MODIFICATIONS TO THE GAS LINE SHALL BE PERFORMED BY A LICENSED MECHANICAL CONTRACTOR, AND SHALL BE CLOSELY COORDINATED WITH THE OWNER. AFTER COMPLETION OF THE WORK. SUPPORT THE GAS LINE ON PRE-MANUFACTURED SUPPORTS SET ON WALKPADS; SPACE SUPPORTS AS RECOMMENDED BY THE SUPPORT MANUFACTURER.
- AT THE NARROW AREA LOCATED AT THE EAST PORTION OF AREA G, PROVIDE 1/8-INCH PER FOOT $\langle \mathbf{G} \rangle$ TAPERED INSULATION. CONFIGURE THE TAPERED SYSTEM IN A MANNER TO RESULT IN SLOPE TO AREAS B AND G. WITH A RIDGE AT THE MIDPOINT.
- ON VERTICAL TERMINATION OF ROOF MEMBRANE PROVIDE SURFACE MOUNT COUNTERFLASHING $\langle \mathbf{H} \rangle$ SIMILAR TO DETAIL 5.
- EXISTING A/C UNITS/PENETRATIONS ON LARGE CAPPED CURB. TEMPORARILY DISPLACE A/C UNITS AND / | PROVIDE AN ACRYLIC COATING OVER THE CAP SURFACE. REFER TO MANUFACTURER REQUIREMENTS FOR SURFACE PREPARATION AND COATING APPLICATION. REINSTALL UNITS UPON COMPLETION OF WORK; RESEAL PENETRATIONS TO A WATERTIGHT CONDITION.
- EXISTING OBSOLETE CAPPED ROOF CURB; REMOVE AND DISCARD. REPAIR RESULTING DECK OPENING $\langle \mathbf{J} \rangle$ AS SPECIFIED. IF CURB CANNOT BE REMOVED, REFER TO THE "CAPPED CURB" FLASHING DETAIL FOR FLASHING REQUIREMENTS. **NOTE:** NAILERS SHALL BE ADDED TO CURBS AS NECESSARY TO RESULT IN A MINIMUM 8-INCH FLASHING HEIGHT.
- TEMPORARILY DISPLACE UNIT ON SUPPORT CURBS. FLASH SUPPORT CURBS AND PROVIDE A NEW PREFINISHED 24 GA. CURB CAP. REINSTALL UNIT AFTER COMPLETION OF WORK TO ITS ORIGINAL POSITION AND CONDITION.
- NOT USED
- NOT USED $\langle M \rangle$
- LOW MECHANICAL UNIT OR VENT. RAISE TO ALLOW FOR A MINIMUM FLASHING HEIGHT OF 8-INCHES. EXTEND SERVICE LINES, IF NECESSARY, TO ACCOMMODATE RAISING OF CURB.
- NOT USED. $\langle \mathbf{O} \rangle$
- EXISTING CONDUIT LINE AND JUNCTION BOX; RE-WORK/REPLACE CONDUIT AND BOX TO RESULT IN A $\langle \mathsf{P} \rangle$ MIN. 4-INCH CLEARANCE ABOVE THE COMPLETED ROOF SURFACE AND MATERIALS APPROPRIATE FOR OUTDOOR APPLICATIONS. COMPLETED WORK SHALL COMPLY WITH APPLICABLE ELECTRIC CODES. THIS WORK SHALL BE COMPLETED BY A LICENSED ELECTRICIAN AND COORDINATED WITH THE OWNER.
- AT SOUTH PERIMETER EDGE OF AREA G "BRIDGE", PROVIDE ADDITIONAL PERIMETER WOOD NAILERS AS NECESSARY TO ACCOMMODATE SPECIFIED TAPERED INSULATION (APPROX. 20 LINEAL FEET OF PERIMETER EDGE).

•
NT-I
NTH Consultants, Ltd. Infrastructure Engineering
Environmental Services Facilities Engineering
www.nthconsultants.com
Northville, MI Lansing, MI Detroit, MI Grand Rapids, MI
Livonia, MI (Laboratory)
BEFORE YOU DIG
CALL MISS DIG • 1-800-482-7171
For free location of public utility lines. ALTERNATE NUMBER (811) COLOR CODES FOR UTILITY LOCATING:
Yellow OIL & GAS Blue WATER Orange PHONE & CATV Green STORM DRAIN Red ELECTRIC Brown SEWER Pink SURVEYING
IF YOU ARE GOING TO WORK NEAR OVERHEAD WIRES CALL MISS DIG
SEAL/STAMP:
KEY MAP: NORTH ARROW: N
REV DATE: DESCRIPTION
PROJECT NAME: MARYSVILLE MIDDLE
SCHOOL 2025 ROOF
REPLACEMENT
PROJECT LOCATION:
PROJECT LOCATION: 400 COLLARD DRIVE
PROJECT LOCATION:
PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040
PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: TML NTH PROJECT NO.: 24002588
PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: NTH PROJECT NO.:
PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: NTH PROJECT NO.: TML 24002588 DRAWN BY: SHEET SIZE: OH SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE:
PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: NTH PROJECT NO.: TML 24002588 DRAWN BY: SHEET SIZE: OH SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025 CAD FILE NAME:
PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: NTH PROJECT NO.: 24002588 DRAWN BY: SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025
PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: NTH PROJECT NO.: TML 24002588 DRAWN BY: SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025 CAD FILE NAME: 24002588 MARYSVILLE MIDDLE SCHOOL 2025 SHEET TITLE: GENERAL NOTES,
PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: NTH PROJECT NO.: TML 24002588 DRAWN BY: SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025 CAD FILE NAME: 24002588 MARYSVILLE MIDDLE SCHOOL 2025 SHEET TITLE:
PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: NTH PROJECT NO.: TML 24002588 DRAWN BY: SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025 CAD FILE NAME: 24002588 MARYSVILLE MIDDLE SCHOOL 2025 SHEET TITLE: GENERAL NOTES, AND
PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: NTH PROJECT NO.: TML 24002588 DRAWN BY: SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025 CAD FILE NAME: 24002588 MARYSVILLE MIDDLE SCHOOL 2025 SHEET TITLE: GENERAL NOTES, DEMOLITION NOTES, AND PROJECT SPECIFIC

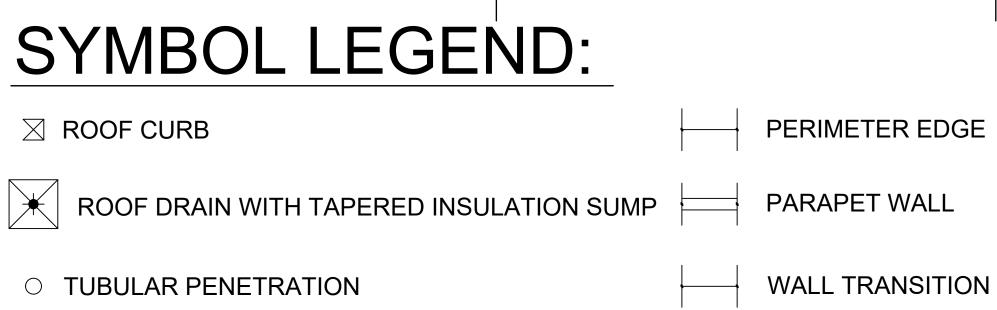


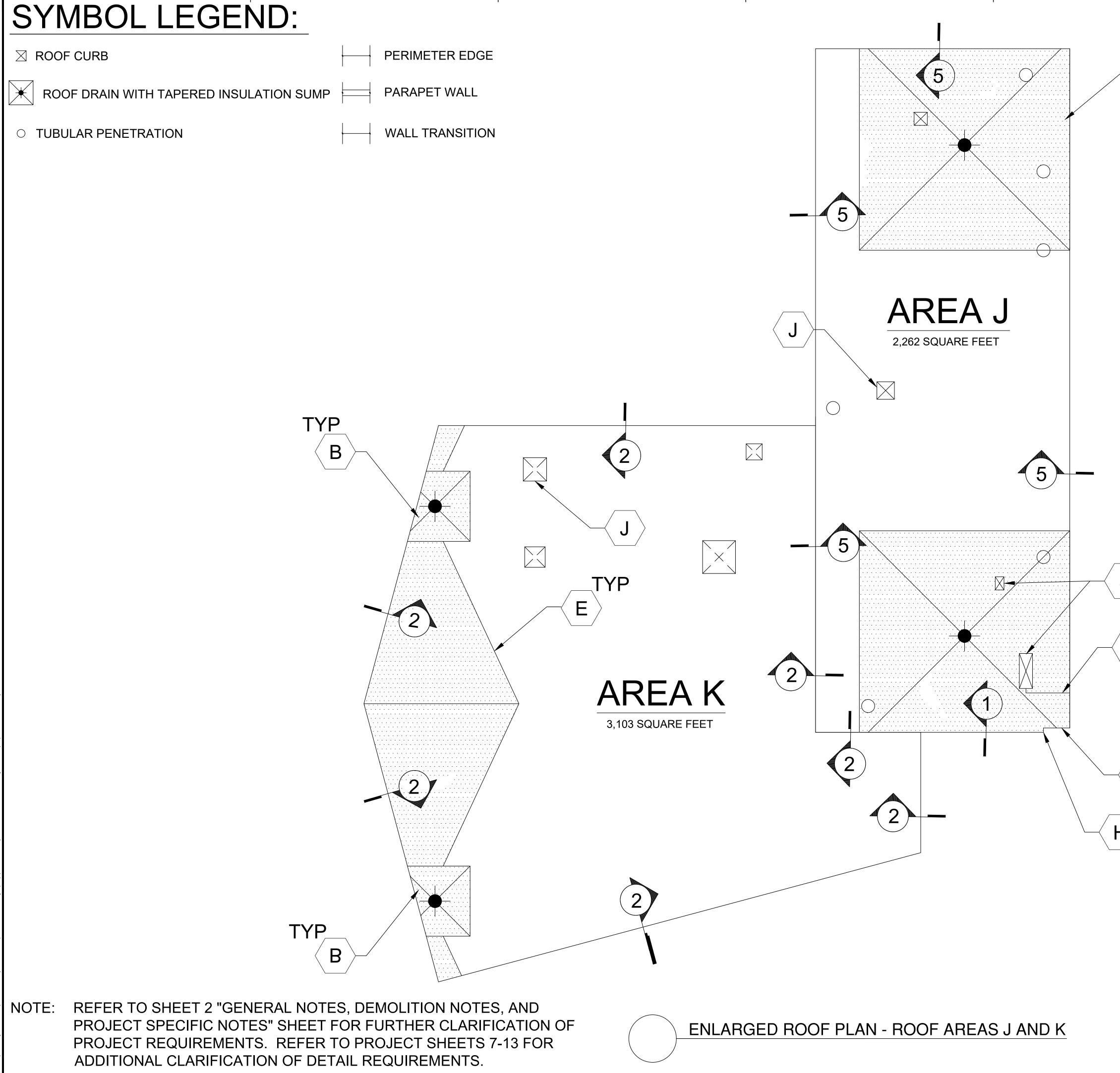




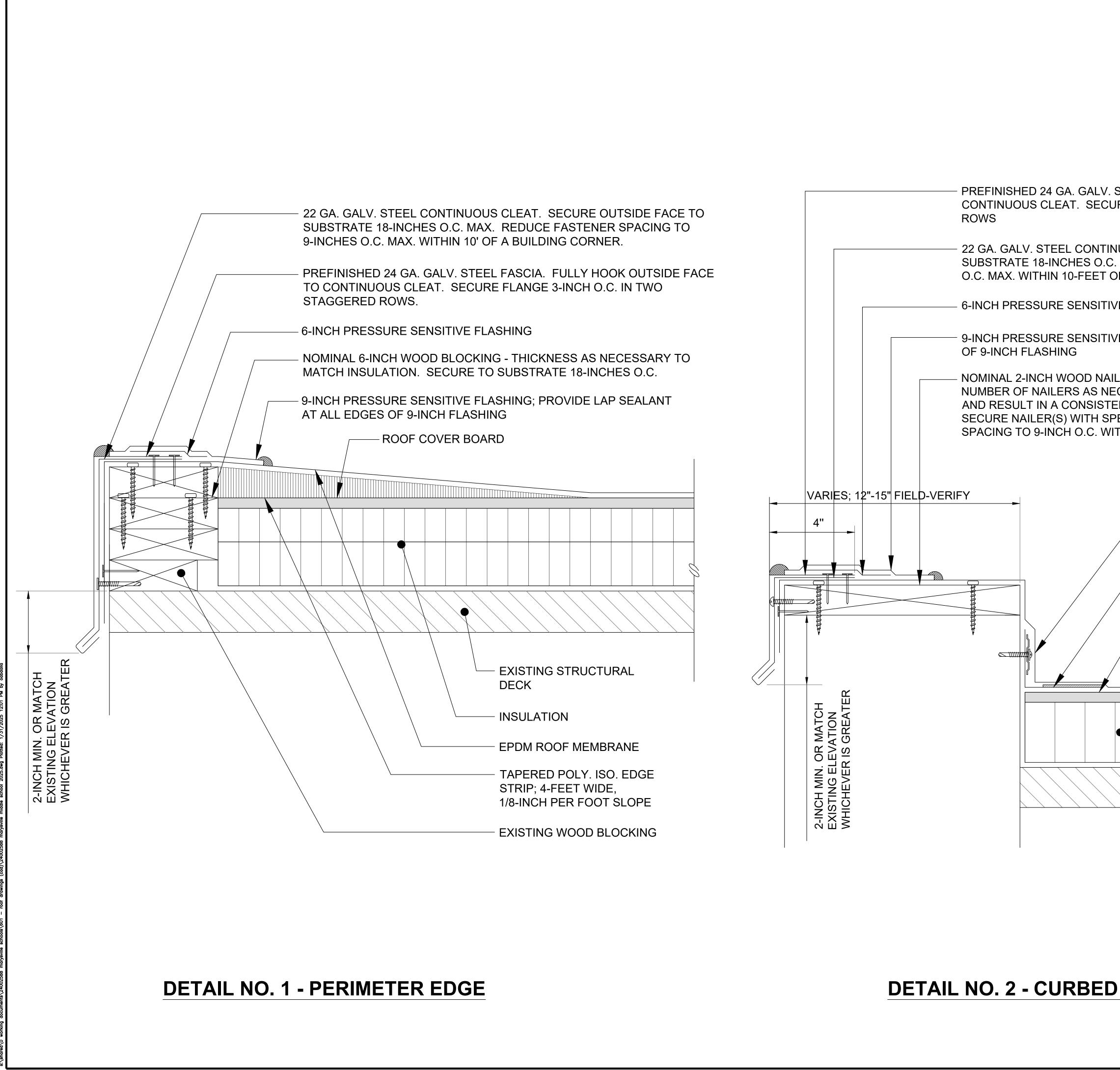
VisitNTH Consultants, Ltd.Infrastructure EngineeringEnvironmental ServicesFacilities Engineeringwww.nthconsultants.com
Northville, MI Lansing, MI Detroit, MI Grand Rapids, MI Livonia, MI (Laboratory)
SWORKING DAYS BEFORE YOU DUG CALL MISS DUG OLA CALL MISS DUG OLA COLOR COLOR OF PUBLIC UTILITY LOCATING UCOR COLOR FOR UTILITY LOCATING NOTING MORE & GAS MENTE & CATV MINE & CATV MINE & CATV MINE & CATV MINE & CATV MINE & CATV MINE & WATER MINE & WATER
SEAL/STAMP:
KEY MAP: NORTH ARROW:
SUBMITTAL REV DATE: DESCRIPTION
PROJECT NAME: MARYSVILLE MIDDLE SCHOOL 2025 ROOF REPLACEMENT PROJECT LOCATION:
400 COLLARD DRIVE MARYSVILLE, MI 48040
DESIGNED BY: NTH PROJECT NO.: TML 24002588 DRAWN BY: SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025 CAD FILE NAME: 24002588 MARYSVILLE MIDDLE SCHOOL 202 SHEET TITLE: ENLARGED ROOF PLAN - ROOF AREA G AND ROOF PLAN- ROOF AREA L, ALTERNATE NO.3 SHEET NUMBER:
05



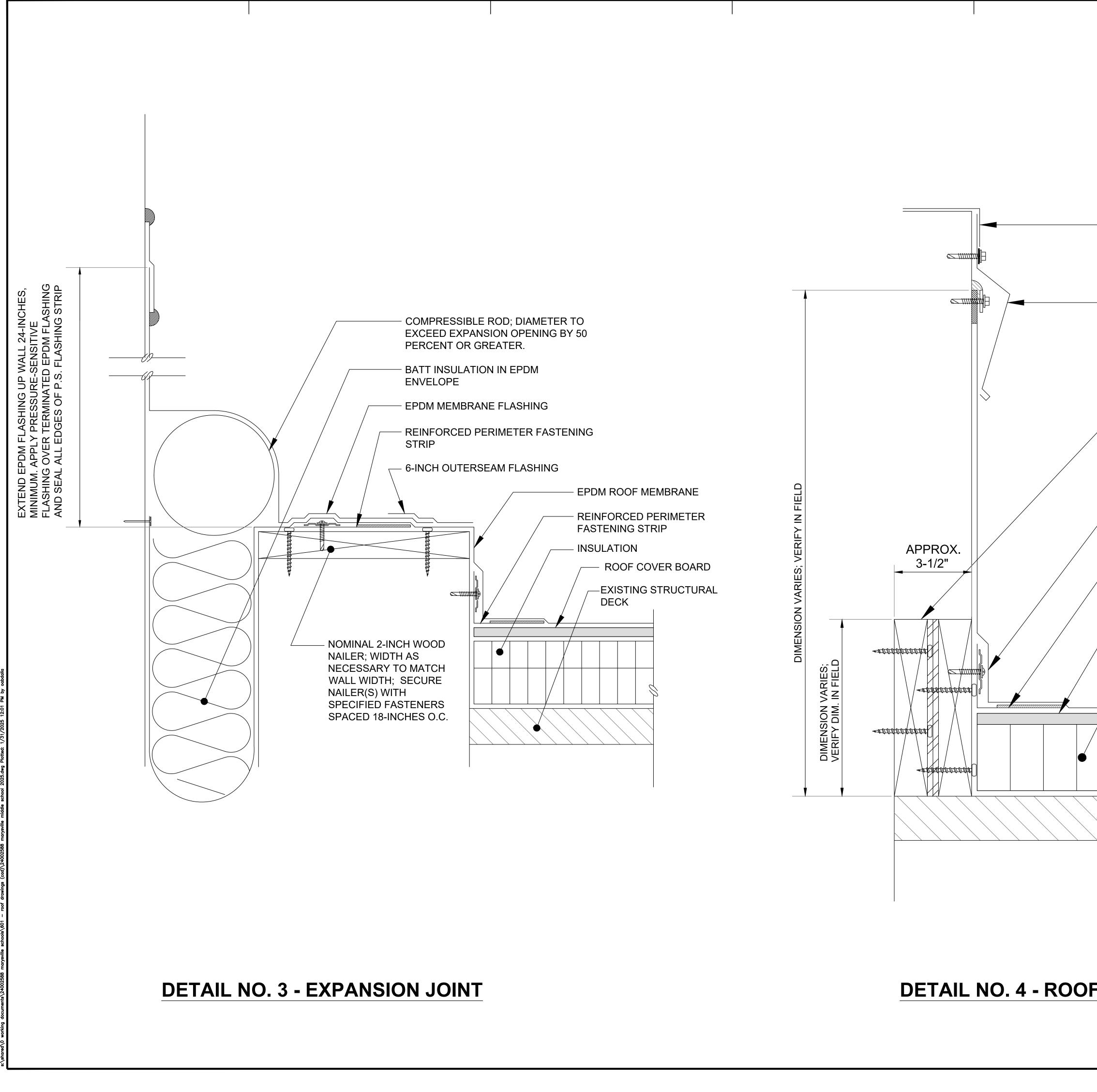




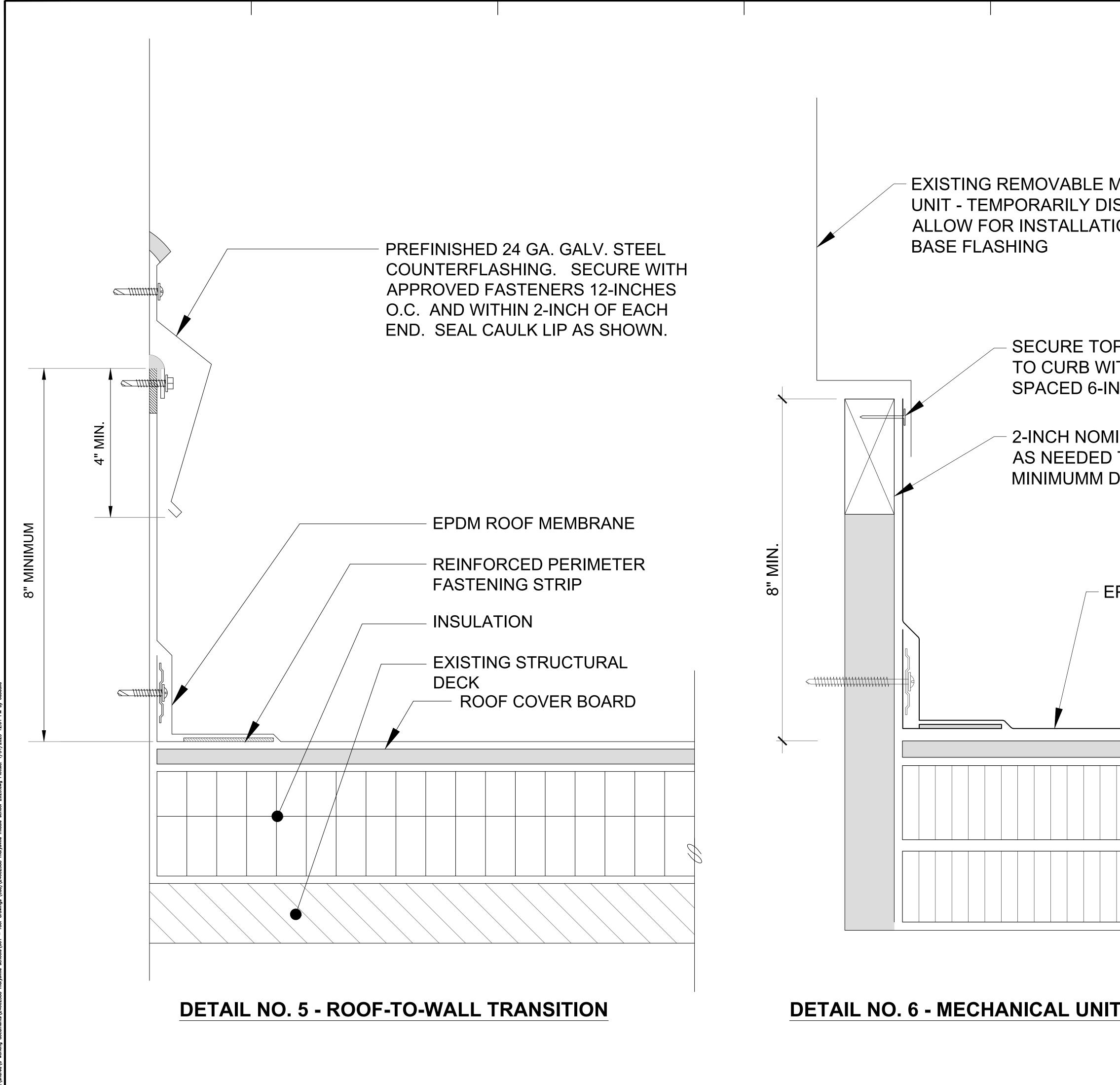
TYP	N V	<image/> <section-header><section-header><section-header><section-header><section-header><section-header><text><text><text><text><text></text></text></text></text></text></section-header></section-header></section-header></section-header></section-header></section-header>
		SEAL/STAMP:
J		KEY MAP: NORTH ARROW:
		SUBMITTAL REV DATE: DESCRIPTION
		MARYSVILLE MIDDLE SCHOOL 2025 ROOF REPLACEMENT PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: NTH PROJECT NO.: 24002588 DRAWN BY: SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025 CAD FILE NAME: 24002588 MARYSVILLE MIDDLE SCHOOL 2025
		SHEET TITLE: ENLARGED ROOF PLAN - ROOF AREAS J AND K SHEET NUMBER: 066



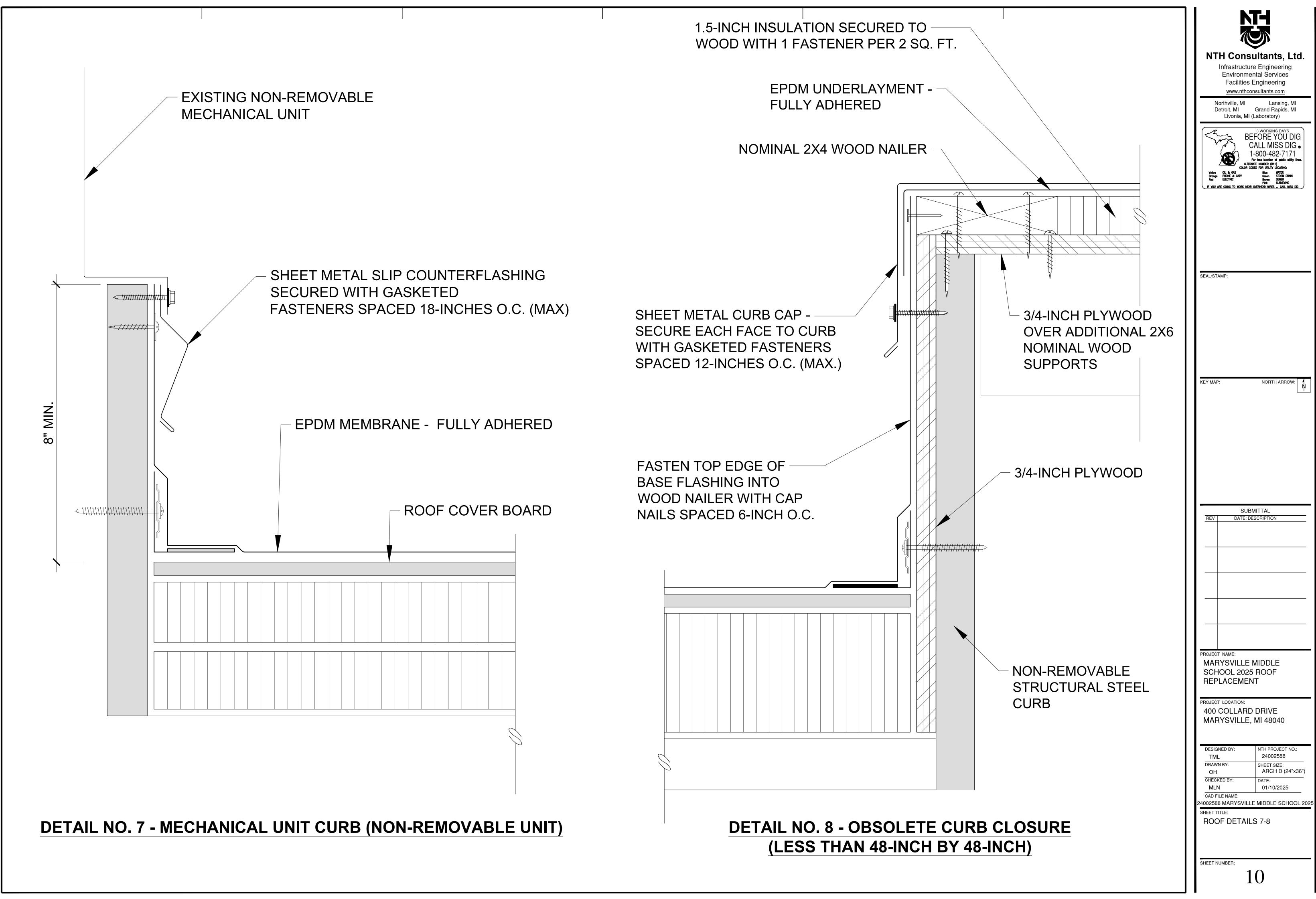
				NT-
				NTH Consultants, Ltd. Infrastructure Engineering Environmental Services
				Facilities Engineering www.nthconsultants.com
				Northville, MI Lansing, MI Detroit, MI Grand Rapids, MI Livonia, MI (Laboratory)
				BEFORE YOU DIG CALL MISS DIG
				1-800-482-7171 For free location of public utility lines. ALTERNATE NUMBER (811) COLOR CODES FOR UTILITY LOCATING:
/. STEEL FASCIA. HOC CURE FLANGE 3-INCH (Yellow OIL & GAS Blue WATER Oronge PHONE & CATV Groen STORM DRAIN Red ELECTRIC Brown SEWER Pink SURVEYING IF YOU ARE GOING TO WORK NEAR OVERHEAD WIRES CALL MISS DIG
INUOUS CLEAT. SECU C. MAX. REDUCE FAS			4	
OF A BUILDING CORN				
IVE FLASHING				SEAL/STAMP:
TVE FLASHING; PROVI	DE LAP SEALAN	IT AT ALL E	DGES	
AILERS - WIDTH AS NE NECESSARY TO MATC TENT ELEVATION AT T	H MAXIMUM INS	ULATION TI	HICKNESS,	
SPECIFIED FASTENER	S SPACED 18-IN			
				KEY MAP: NORTH ARROW: N
/	EPDM ROOF M	EMBRANE		
		PERIMETER		
	FASTENING ST	RIP		
	ROOF COVER I	BOARD		SUBMITTAL
				REV DATE: DESCRIPTION
	EXISTING STRU DECK	JCTURAL		
				PROJECT NAME: MARYSVILLE MIDDLE SCHOOL 2025 ROOF
				REPLACEMENT
				PROJECT LOCATION: 400 COLLARD DRIVE
				MARYSVILLE, MI 48040
				DESIGNED BY: NTH PROJECT NO.: TML 24002588 DRAWN BY: SHEET SIZE:
				OH ARCH D (24"x36") CHECKED BY: DATE:
				MLN 01/10/2025 CAD FILE NAME: 24002588 MARYSVILLE MIDDLE SCHOOL 202
D EDGE				SHEET TITLE: ROOF DETAILS 1-2
				SHEET NUMBER:

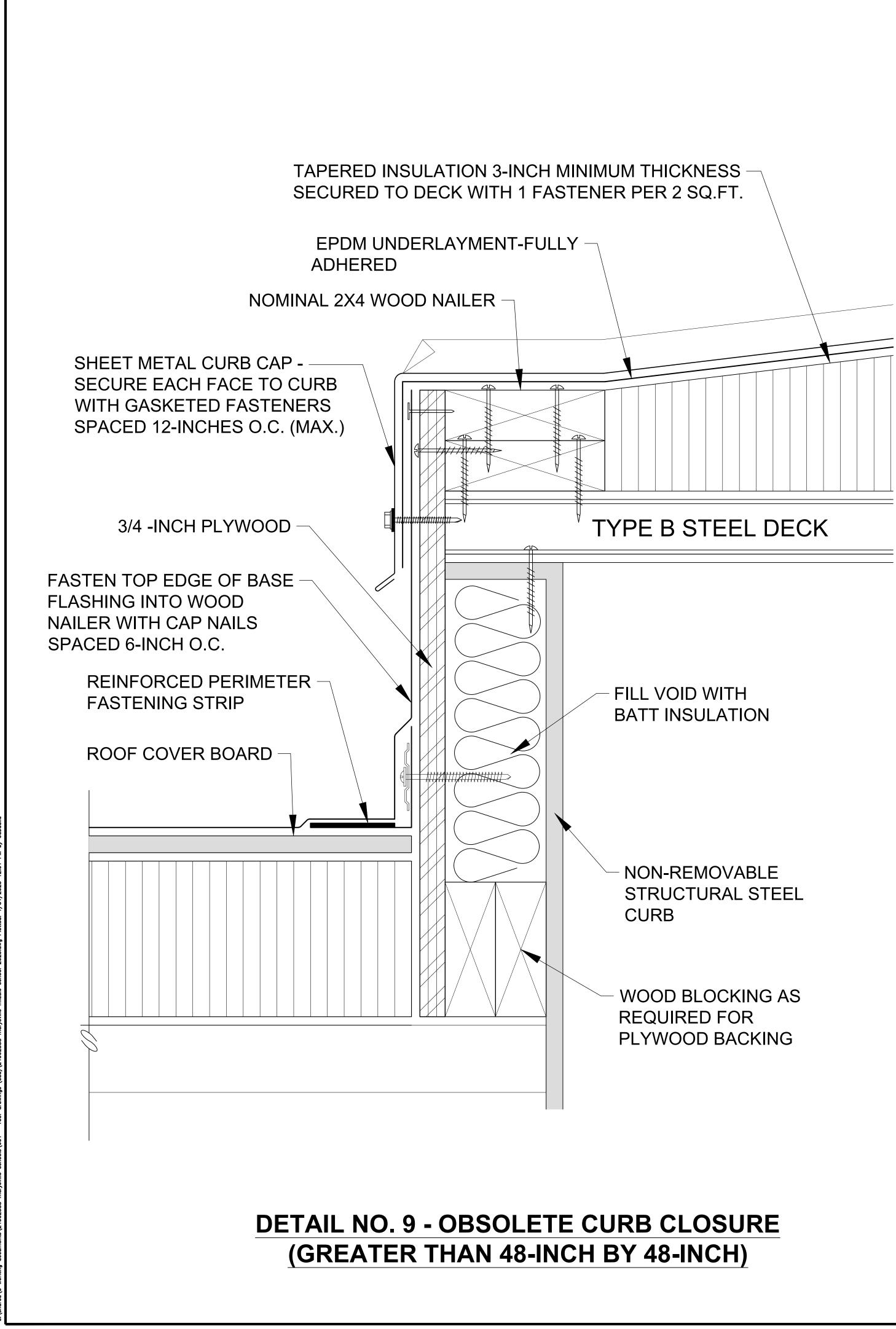


EXISTING SF	IEET METAL FASCIA	<image/> <image/> <section-header><section-header><section-header><section-header><text><text><text><text><text><text></text></text></text></text></text></text></section-header></section-header></section-header></section-header>
COUNTERFL AS DIRECTEI WITH APPRC	D 24 GA. GALV. STEEL ASHING. PREFINISHED COLOR D BY THE OWNER. SECURE OVED FASTENERS 12-INCHES THIN 2-INCH OF EACH END.	SEAL/STAMP:
FILL A S REC ROC	OVIDE WOOD BLOCKING TO L GAP IN WALL AND RESULT IN MOOTH TRANSITION TO CEIVE ROOFING AS SHOWN (IN OF AREA E ONLY).	KEY MAP: NORTH ARROW:
FAS ROO INS	NFORCED PERIMETER STENING STRIP OF COVER BOARD ULATION STING STRUCTURAL CK	SUBMITTAL REV DATE: DESCRIPTION
		PROJECT NAME: MARYSVILLE MIDDLE SCHOOL 2025 ROOF REPLACEMENT PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040
F-TO-WALL TR	ANSITION	DESIGNED BY: NTH PROJECT NO.: TML 24002588 DRAWN BY: SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025 CAD FILE NAME: 24002588 MARYSVILLE MIDDLE SCHOOL 2025 SHEET TITLE: ROOF DETAILS 3-4 SHEET NUMBER:
F-TO-WALL TR	ANSITION	DESIGNED BY: TMLNTH PROJECT NO.: 24002588DRAWN BY: OHSHEET SIZE: ARCH D (24"x3)OHARCH D (24"x3)CHECKED BY: MLNDATE: 01/10/2025CAD FILE NAME:24002588 MARYSVILLE MIDDLE SCHOODSHEET TITLE: ROOF DETAILS 3-4SHEET NUMBER:

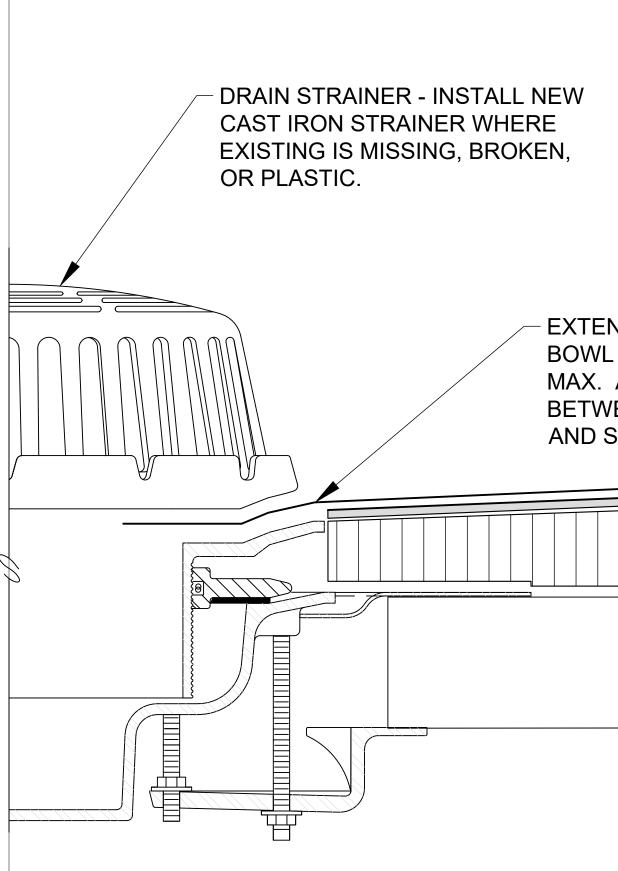


MECHANICAL SPLACE TO ON OF NEW	<image/> <image/> <section-header><section-header><section-header><section-header><section-header><text><text><text><text><text></text></text></text></text></text></section-header></section-header></section-header></section-header></section-header>
P OF BASE FLASHING TH CAP NAILS NCH O.C. (MAX)	SEAL/STAMP:
INAL WOOD BLOCKING TO RESULT IN 8-INCH DIMENSION SHOWN	KEY MAP: NORTH ARROW:
PDM MEMBRANE - FULLY ADHERED	SUBMITTAL REV DATE: DESCRIPTION
	PROJECT NAME: MARYSVILLE MIDDLE SCHOOL 2025 ROOF REPLACEMENT PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: TML 24002588 DRAWN BY: SHEET SIZE:
Γ CURB (REMOVABLE UNIT)	OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025 CAD FILE NAME: 24002588 MARYSVILLE MIDDLE SCHOOL 2025 SHEET TITLE: ROOF DETAILS 5-6 SHEET NUMBER:
	09

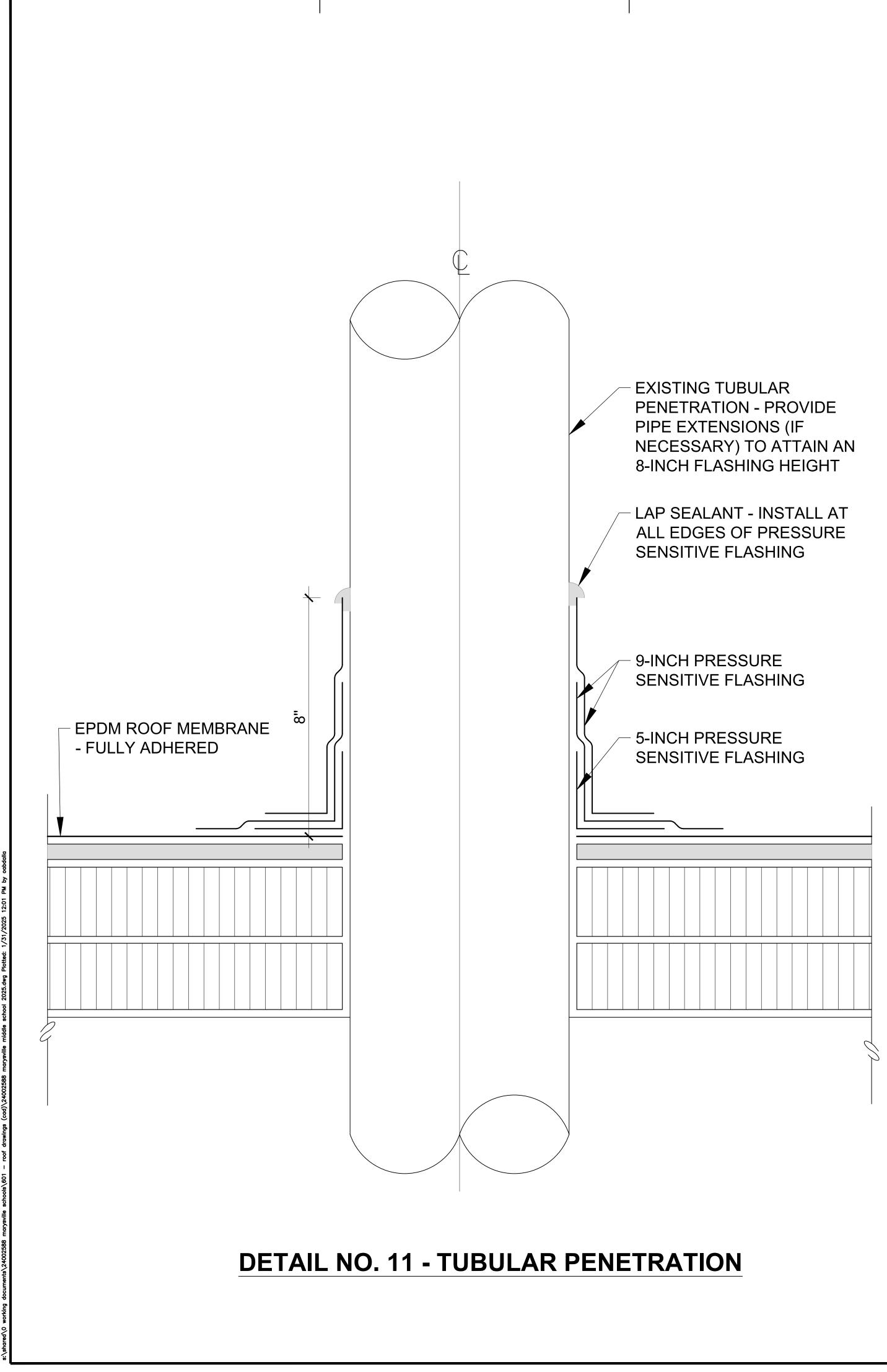


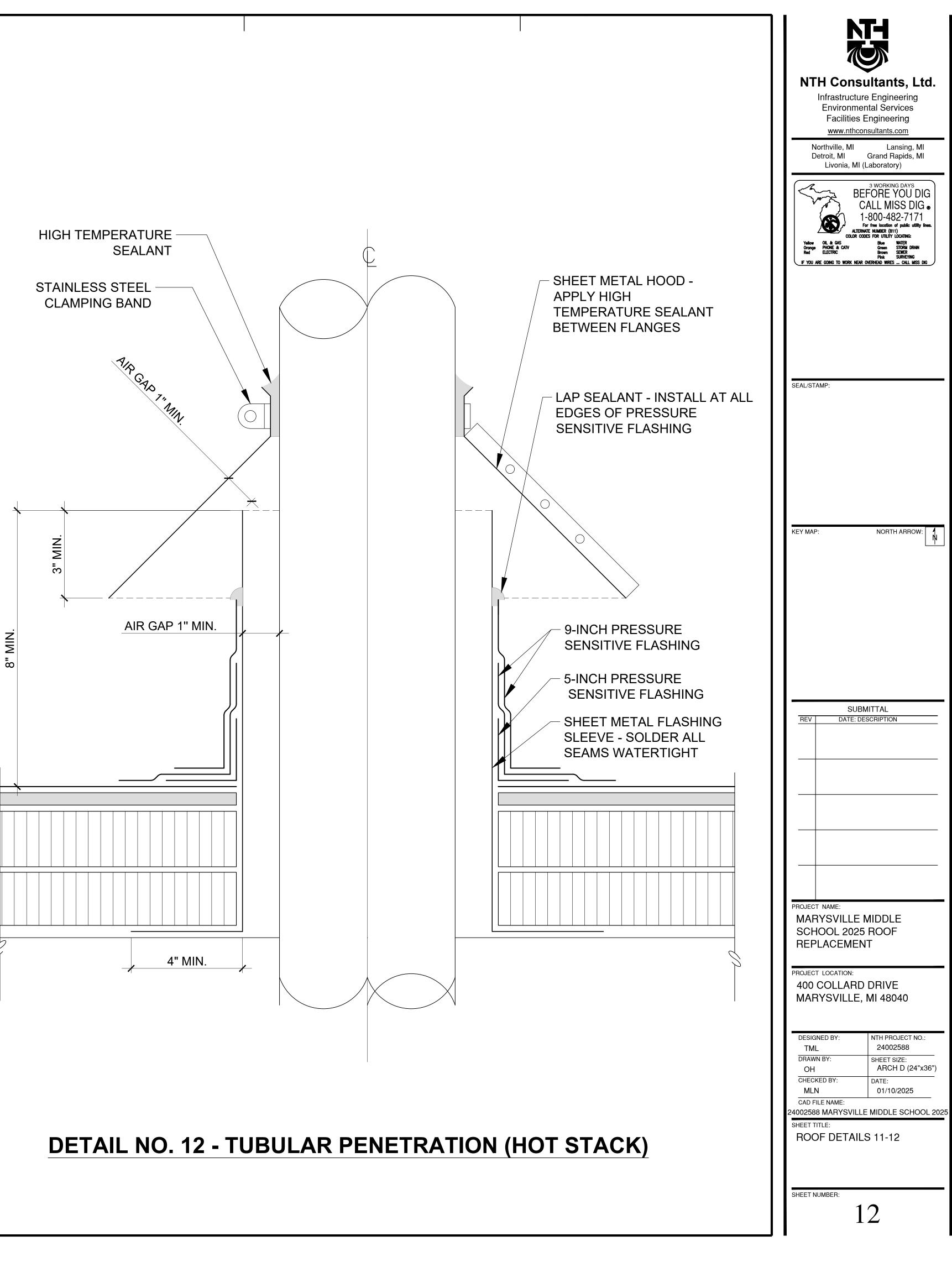


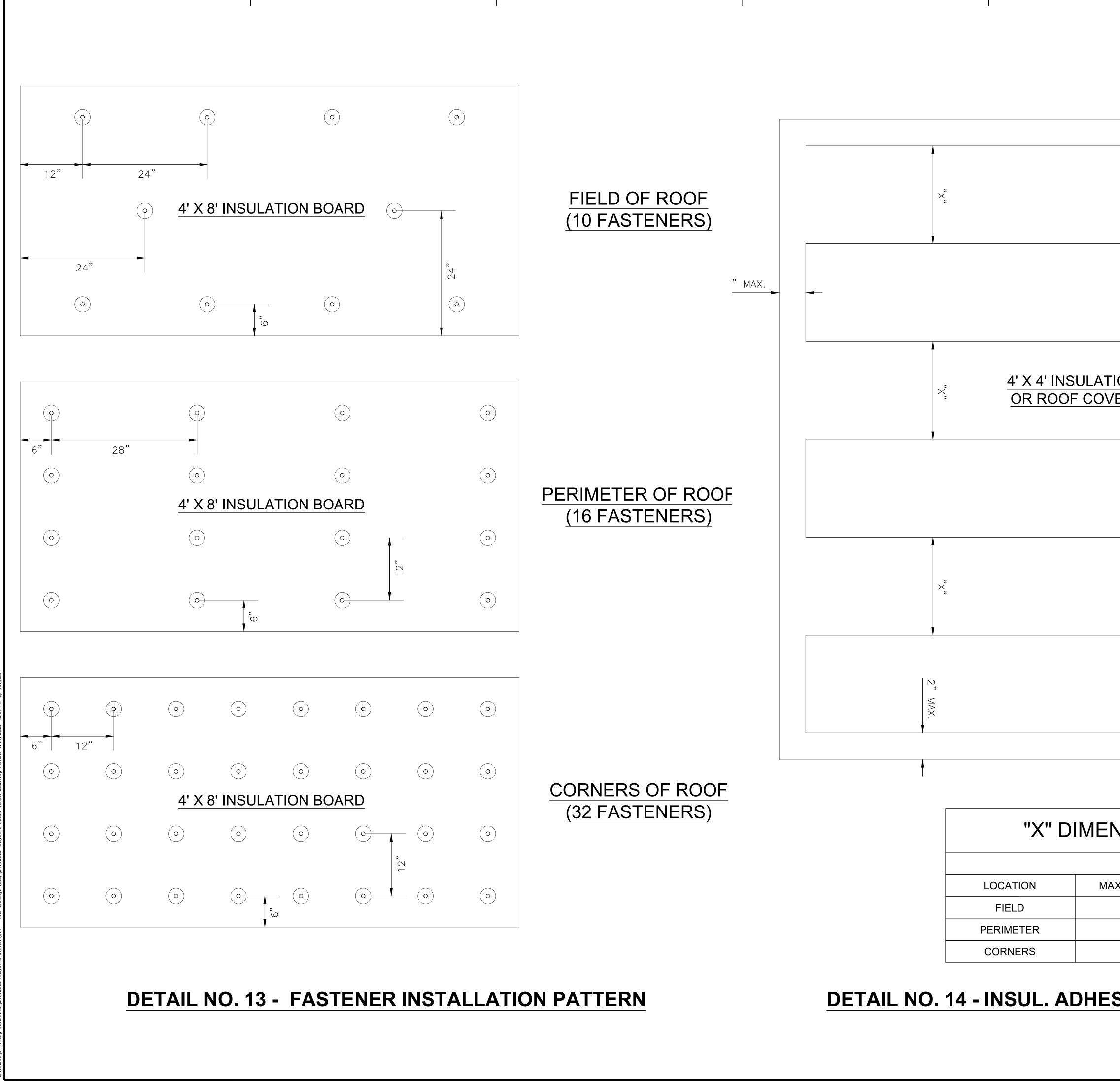
DETAIL NO. 10 - TYP



	<u>NT-I</u>
	<image/> <section-header><section-header><section-header><section-header><section-header><section-header><section-header><text><text><text><text><text></text></text></text></text></text></section-header></section-header></section-header></section-header></section-header></section-header></section-header>
ROOF COVER BOARD	SEAL/STAMP:
ND EPDM MEMBRANE INTO . 1/2-INCH MIN. OR 3/4-INCH APPLY WATERBLOCK EEN EPDM MEMBRANE SUBSTRATE.	KEY MAP: NORTH ARROW:
8-FOOT BY 8-FOOT TAPERED AND HINGED INSULATION TARGET SUMP AROUND ROOF DRAIN	SUBMITTAL REV DATE: DESCRIPTION
	PROJECT NAME: MARYSVILLE MIDDLE SCHOOL 2025 ROOF REPLACEMENT PROJECT LOCATION: 400 COLLARD DRIVE MARYSVILLE, MI 48040
PICAL ROOF DRAIN	DESIGNED BY:NTH PROJECT NO.:TML24002588DRAWN BY:SHEET SIZE:OHARCH D (24"x36")CHECKED BY:DATE:MLN01/10/2025CAD FILE NAME:24002588 MARYSVILLE MIDDLE SCHOOL 2025SHEET TITLE:ROOF DETAILS 9-10
	SHEET NUMBER: 11







	NTH Consultants, Ltd. Nfrastructure Engineering Environmental Services Facilities Engineering www.nthconsultants.com Northville, MI Lansing, MI Detroit, MI Grand Rapids, MI Livonia, MI (Laboratory)
2" MAX.	S WORKING DAYS BEFORE YOU DIG CALL MISS DIG • 1-800-482-7171 For free location of public utility lines. ALTERNATE NUMBER (811) COLOR CODES FOR UTILITY LOCATING: Yellow OIL & GASS Blue WATER Orange PHONE & CATV Brown SEWER Prink SURVEYING F YOU ARE GOING TO WORK NEAR OVERHEAD WIRES CALL MISS DIG
ION BOARD /ER BOARD	SEAL/STAMP:
" "	KEY MAP: NORTH ARROW:
<u>2" MAX.</u>	SUBMITTAL REV DATE: DESCRIPTION
NSION	PROJECT NAME: MARYSVILLE MIDDLE SCHOOL 2025 ROOF REPLACEMENT
XIMUM "X" DIMENSION 12" 6" 4" SIVE APPLICATION PATTERI	400 COLLARD DRIVE MARYSVILLE, MI 48040 DESIGNED BY: NTH PROJECT NO.: TML 24002588 DRAWN BY: SHEET SIZE: OH ARCH D (24"x36") CHECKED BY: DATE: MLN 01/10/2025 CAD FILE NAME: 24002588 MARYSVILLE MIDDLE SCHOOL 2025 SHEET TITLE: ROOF DETAILS 13-14
	SHEET NUMBER: 13