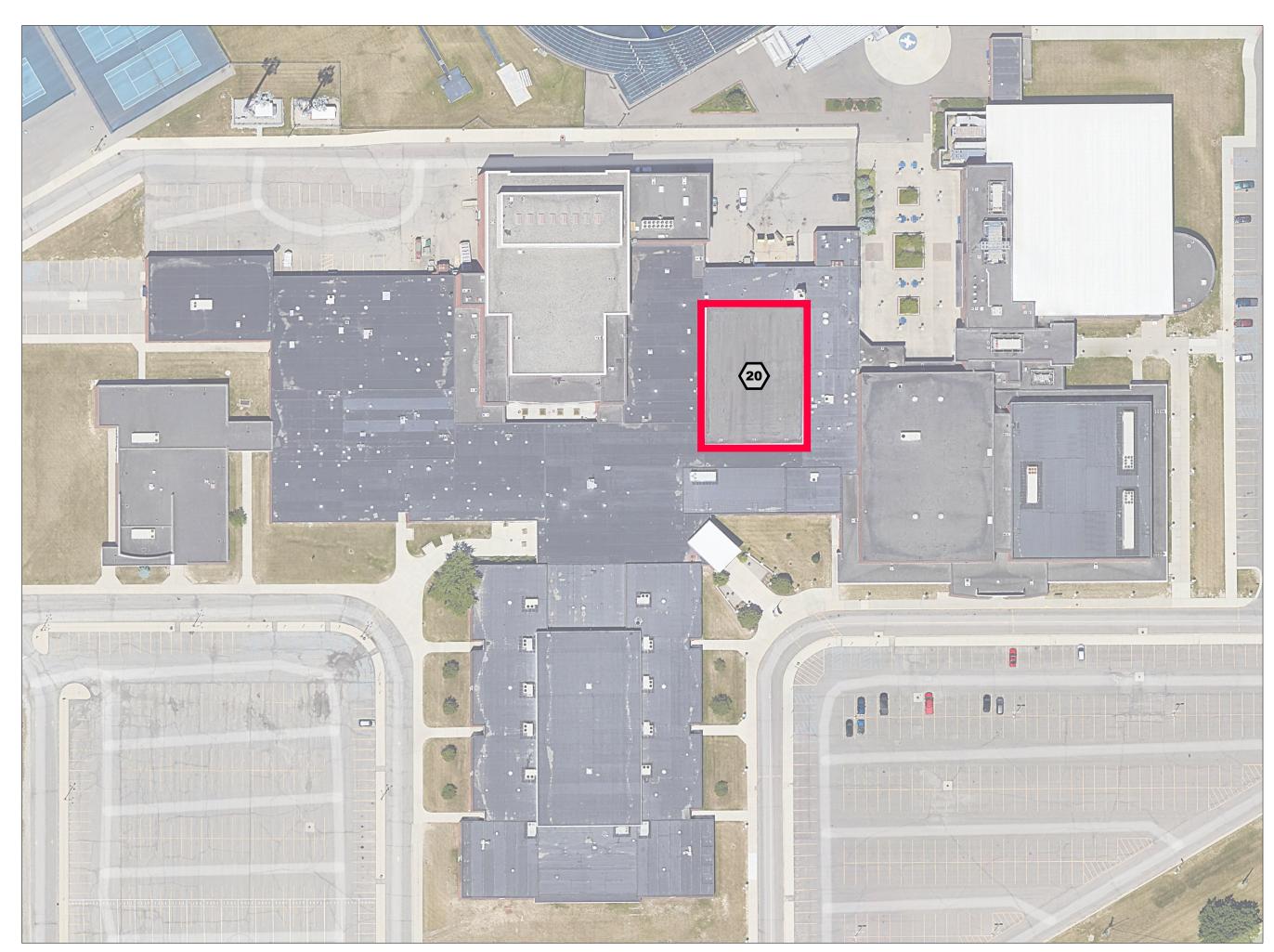
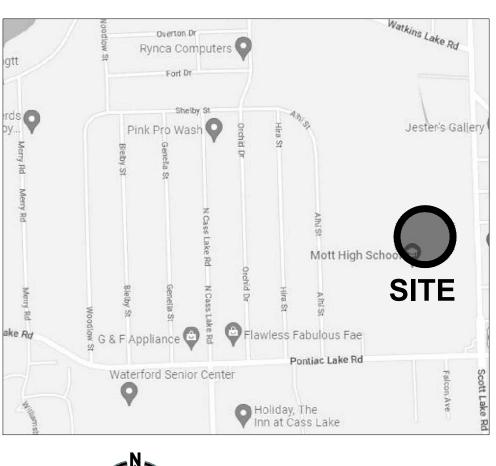
# **2023 Waterford School District** Mott High School **Roofing Replacement 1151 Scott Lake Road** Waterford Twp., Michigan 48328





**OVERALL SITE AERIAL IMAGE** NOT TO SCALE







# **GENERAL NOTES**

- THE BUILDING WILL REMAIN PARTIALLY OCCUPIED WITH THE OWNER'S SCHEDULE SUMMER MAINTENANCE, CONSTRUCTION AND ACADEMIC/ATHLETIC ACTIVITIES DURING THE COURSE OF THIS PROJECT. CLOSELY COORDINATE WORK WITH THE OWNER'S REPRESENTATIVE AND OTHER ACTIVITIES THAT MAY BE OCCURRING AT THE SITE.
- WHERE NOT INDICATED ON THE PROJECT DRAWINGS OR DESCRIBED IN THE SUMMARY OF WORK, PROVIDE THE MANUFACTURER'S STANDARD DETAILS. PROVIDE SPECIFIED CONTRACTOR'S SHOP DRAWINGS AND SPECIAL DETAILING REQUIREMENTS WITH THE PROJECT SUBMITTALS.
- PROVIDE NECESSARY TEMPORARY FENCING, BARRICADES, OR STRUCTURES AND OTHER SUCH MEASURES AS NEEDED TO PROTECT PEDESTRIAN AND VEHICLE TRAFFIC ADJACEN TO THE WORK AREA.
- 4. PROVIDE TEMPORARY PROTECTION FOR EXTERIOR WALLS AND WINDOWS, ENTRANCES LANDSCAPING AND PAVEMENTS. RESTORE DAMAGES CAUSED BY ROOFING OPERATIONS TO PRE-PROJECT CONDITIONS AT NO ADDITIONAL COST TO THE OWNER
- IN ADDITION TO ITEM 4 ABOVE, PROVIDE TEMPORARY PROTECTION FOR ROOFING THA WILL BE TRAFFICKED OVER, OR USED FOR STAGING PURPOSES, INCLUDING BOTH NEW AND OLD ROOF AREAS, TO REDUCE THE POTENTIAL FOR LEAKAGE. SECTIONS ADJACEN TO THE WORK AREAS NOT INCLUDED IN THIS PROJECT ARE TO BE PROTECTED DURING THE FLASHING TIE-INS. THE CONTRACTOR WILL BE HELD RESPONSIBLE TO REPAIR SECTIONS DAMAGED DURING THIS PROJECT.
- PROVIDE TEMPORARY ROOFING, TIE-INS, WATER BLOCKS, AND INTERIOR PROTECTION DURING THE ROOFING REPLACEMENT TO PREVENT LEAKAGE INTO THE BUILDING, AND WATER DAMAGE TO INTERIOR FURNISHINGS, FINISHES, STORED MATERIALS AND EQUIPMENT.
- 7. SPREAD OUT STORED MATERIALS ON THE ROOF SO AS NOT TO OVERLOAD THE ROOF DECKS.
- 8. STORE MATERIALS OFF THE GROUND ON PALLETS, AND COVERED WITH OPAQUE. BREATHABLE WATERPROOF TARPAULINS TO PROTECT FROM UV EXPOSURE AND WET WEATHER.
- 9. STORE CONTAINERS OF MATERIALS SENSITIVE TO HIGH TEMPERATURES IN THE SHADE, OR IN CLIMATE CONTROLLED LOCATIONS.
- 10. STORAGE OF MATERIALS INSIDE THE BUILDING IS PROHIBITED UNLESS WRITTEN AUTHORIZATION IS RECEIVED FROM THE OWNER'S REPRESENTATIVE. NO STORAGE OF FLAMMABLE MATERIALS ON OR WITHIN THE BUILDING IS PERMITTED. HOIST FLAMMABLES TO THE GROUND AND EITHER SECURELY STORE OR REMOVE FROM THE SITE AT THE END OF EACH WORK DAY. STORE FLAMMABLE FLUIDS A MINIMUM 50 FEET AWAY FROM THE BUILDING WHEN NOT IN USE.
- 11. REMOVE DEBRIS FROM THE ROOF AND GROUNDS DAILY AND DISPOSE IN A PROPER MANNER.
- 12. PROMPTLY REPORT UNANTICIPATED CONDITIONS UNCOVERED DURING ROOFING REMOVAL AND REPLACEMENT THAT ARE CONTRARY TO THE PROJECT DOCUMENTS, OR WILL NEGATIVELY IMPACT THE NEW ROOFING SYSTEM, TO THE ENGINEER AND OWNER'S REPRESENTATIVE FOR REVIEW.
- 13. VERIFY DIMENSIONS AND FIELD CONDITIONS BEFORE ORDERING MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND VERIFYING WORK ITEMS REQUIRED FOR A COMPLETE WORK PRODUCT. THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE UNDERSIDE OF THE ROOF DECK FOR CONDUITS OF OTHER UTILITIES THAT MAY BE DAMAGED FROM THE ROOFING PROJECT.
- 14. INSTALL NEW ROOFING IN COMPLIANCE WITH THE REQUIREMENTS AND RECOMMENDATIONS OF THE LATEST REVISED EDITION OF THE NRCA ROOFING AND WATERPROOFING MANUAL, AND THE ROOFING MANUFACTURER.
- 15. PROVIDE SHEET METAL COMPONENTS THAT COMPLY WITH THE LATEST EDITION OF THE SMACNA ARCHITECTURAL SHEET METAL MANUAL. COPINGS AND PERIMETER EDGE FLASHINGS TO BE TESTED AND INSTALLED ANSI-SPRI ES-1 ASSEMBLIES.
- 16. SUBMIT THE SPECIFIC ROOFING MANUFACTURER'S PRODUCT DATA SHEETS, INSTALLATION GUIDELINES AND CONSTRUCTION DETAILS, AND THE SHEET METAL MANUFACTURER'S PRODUCT DATA SHEETS AND INSTALLATION INSTRUCTIONS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING ANY MATERIALS.
- 17. PROVIDE LICENSED ELECTRICAL, PLUMBING, OR HVAC SUBCONTRACTORS TO DISCONNECT AND RECONNECT MECHANICAL UNITS, ADJUST OR RELOCATE UTILITIES, RAISE CURBS, ABANDON DESIGNATED CURBS, RAISE DUCTWORK, INSTALL NEW DRAINS OR SCUPPER COMPONENTS, AND ABANDON DESIGNATED DRAINS AND PIPING. IN-PLACE SYSTEMS SHALL ACCOMMODATE NEW INSULATION THICKNESSES AND MEET WARRANTY REQUIREMENTS FOR FLASH HEIGHT BY ROOFING MANUFACTURER. ALL MECHANICAL UNITS AND UTILITIES MUST BE OPERATIONAL AND DRAINS FREE FLOWING AT THE COMPLETION OF THE PROJECT. THIS INCLUDES CONDUITS DAMAGED BY SCREWS OR OTHER ITEMS THAT MAY DAMAGE UTILITIES. WORK TO BE COMPLETED IN ACCORDANCE WITH LOCAL CODES AND JURISDICTION(S) OF AUTHORITY. DO NOT SHUT OFF OR INHIBIT UTILITY SERVICES WITHOUT NOTIFYING OWNER'S REPRESENTATIVE IN ADVANCE.
- 18. EXISTING DRAINS ARE TO BE REPLACED DOWN TO THE FIRST CONTINUOUS SECTION OF VERTICAL OR HORIZONTAL PIPING BENEATH THE DECK FOR ALL STANDARD DRAIN AND OVERFLOW DRAINS THAT ARE TO BE REMOVED AND REPLACED.
- 19. NEW DRAIN LOCATIONS SHALL BE CONNECTED TO NEAREST ROOF STORM WATER PLUMBING SYSTEM.

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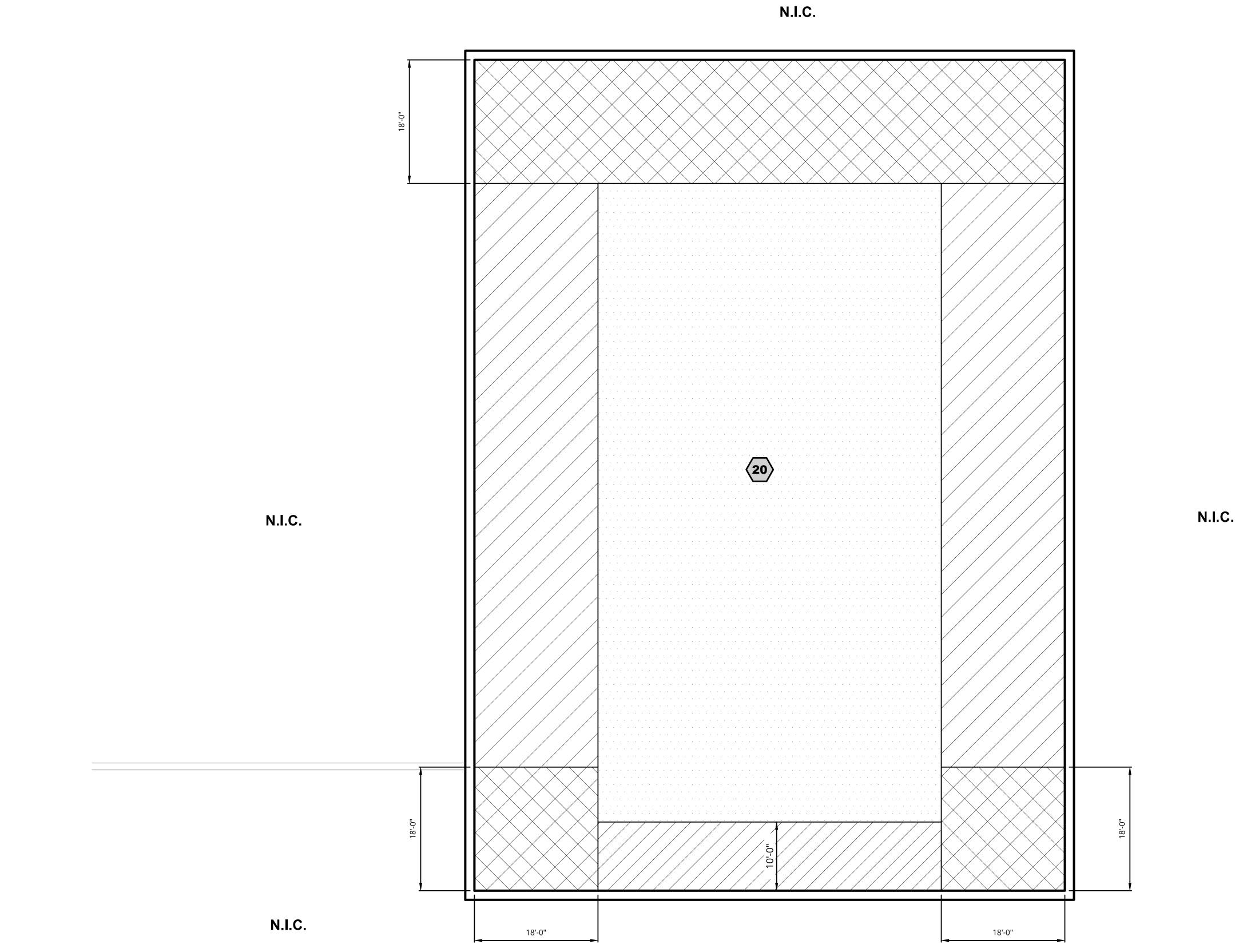
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MOUTH, M 4) 454-9900		WATERFORD SCHOOL DISTRICT 501N. CASS LAKE ROAD WATERFORD, MICHIGAN 48328 (248) 682-7800 OWNER REPRESENTATIVE: MR. JOHN KEGLOVITZ WWW.WATERFORD.K12.MIUS				
		APPLICABLE CODES	Seal			
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COPE C	DF WORK					
EGRATE A N YEAR WARR	IEW ADHERED, BLACK REINFORCED 60	QUIPMENT, AND ADMINISTRATION NECESSARY TO D-MIL EPDM SINGLE-PLY ROOFING MEMBRANE, WITH A STEM AS SHOWN ON THIS DRAWING SET.	Revisions			
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RK TASKS II 10VE THE E STRUCTUF	XISTING AGGREGATE SURFACED BUIL	T-UP ROOF (BUR) MEMBRANE AND INSULATION TO EXPOSE				
IAILERS AS NSTALL SUE THYLENE-P NSTALL VAE VORK AND	NEEDED BASED ON UNCOVERED CON 3STRATE BOARD AS DESCRIBED IN 01 ROPYLENE-DIENE-MONOMER (EPDM) POR RETARDER TO SUBSTRATE BOARD 07 26 00 VAPOR RETARDERS.	O OR BASE SHEET AS DESCRIBED IN 01 10 00 SUMMARY OF				
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SUMMARY C WHERE MEC	OF WORK AND 07 62 00 SHEET METAL	W ROOF REPLACEMENT, REINSTALL FASTENERS WITH	Designer:	KD		
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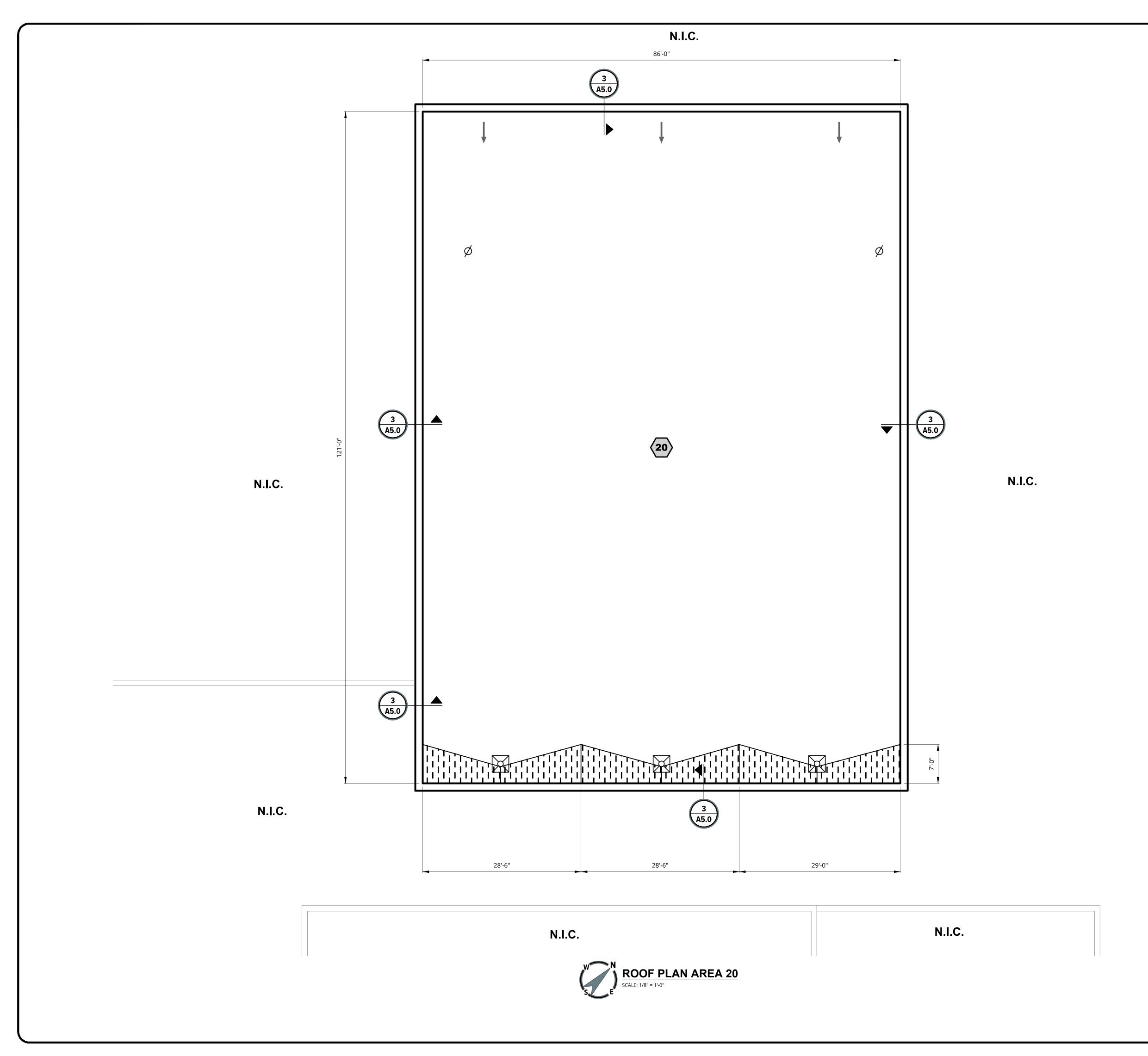
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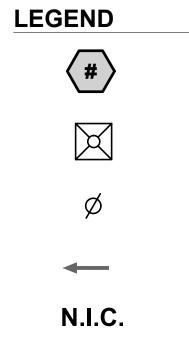
WIND DESIGN LOADING / ZONE PLAN SCALE: 1/4" = 1'-0"

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-EGEND		Sheet Name ROOF A WIND D ZONE P	ESIGN LOA	ADING	/
<b>#</b> ROOF AREA					
ZONE 1 ZONE 2 AND 2' (2 PRIME ZONE 3 AND 3' (3 PRIME		Seal			
<b>WIND DESIGN CRITERIA (MBC 2015)</b> MOTT HIGH SCHOOL JLTIMATE DESIGN (FACTORED) BASIC WIND SPEED (3 SECO!	ND GUST) = 120 MPH	Revisions			
NOMINAL WIND SPEED = EXPOSURE CATEGORY =	93 MPH C	REV ISSUED FOR BI		DATE 3-9-23	BY KD
RISK CLASSIFICATION = NTERNAL PRESSURE COEFFICIENT (ENCLOSED BUILDING) =	III +/- 0.18				
TABLE 1 SERVICE (UNFACTORED) DESIGN WIND LOADS - CO	IPONENTS AND CLADDING				
ROOF SURFACE VERTICAL PRESSUR	E (PSF)				
ZONE 1	- 22				
ZONE 2 AND 2' (2 PRIME) AND TOP/SIDE OF PARAPET ZONE 3 AND 3' (3 PRIME) AND TOP/SIDE OF PARAPET	- 33				
NOTE: - # " INDICATES PRESSURE ACTING AWAY FROM "		SME Project N	lo.		
- # INDICATES PRESSURE ACTING AWAT FROM	THE ROOF SURFACE, I.E. SUCTION	N	090588.0	2	
<ol> <li>WORK WIND DESIGN LOADING ZONE PLAN WI</li> <li>WIND UPLIFT PRESSURE GIVEN IN TABLE 1 TO ROOFING FASTENING SYSTEM(S).</li> </ol>		Project Manag	ger: KD		
3. DESIGN PRESSURES BASED ON EFFECTIVE WIN	D AREA OF 10FT <sup>2</sup> OR LESS.	Designer:			
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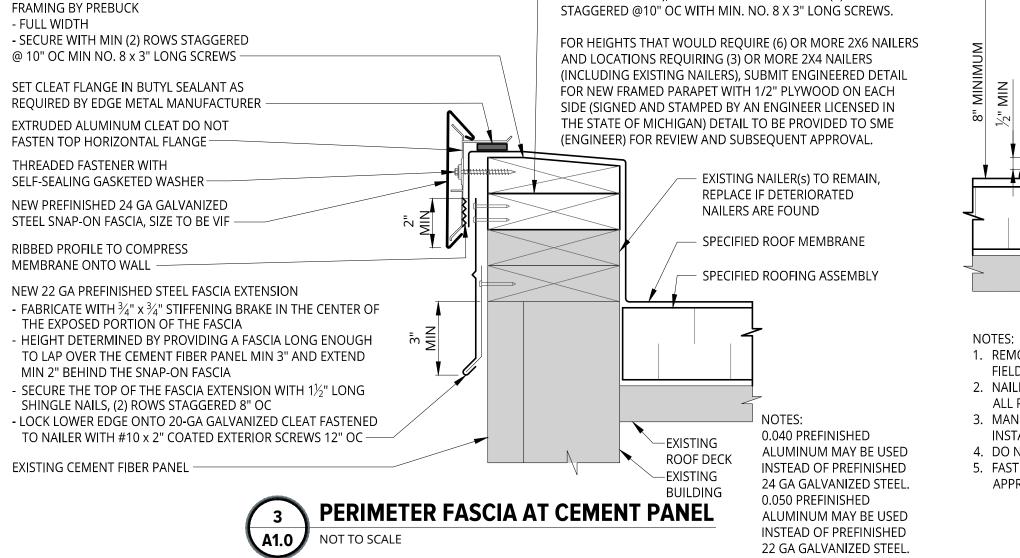


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ROOF AREA		eet Name OOF PL	AN AREA	20	
EXISTING ROOF DRAIN, REFER TO DETAIL 1 ON SHEET A5.0					
SOIL VENT PIPE, REFER TO DETAIL 2 ON SHEET A5.0					
WATER SHED DIRECTION					
ROOF AREA NOT IN CONTRACT	Se	al			
$1\!\!\!/_2$ " PER FOOT TAPERED INSULATION SADDLE					
DETAIL CALL OUT					
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NOTES: 1. FIELD VER

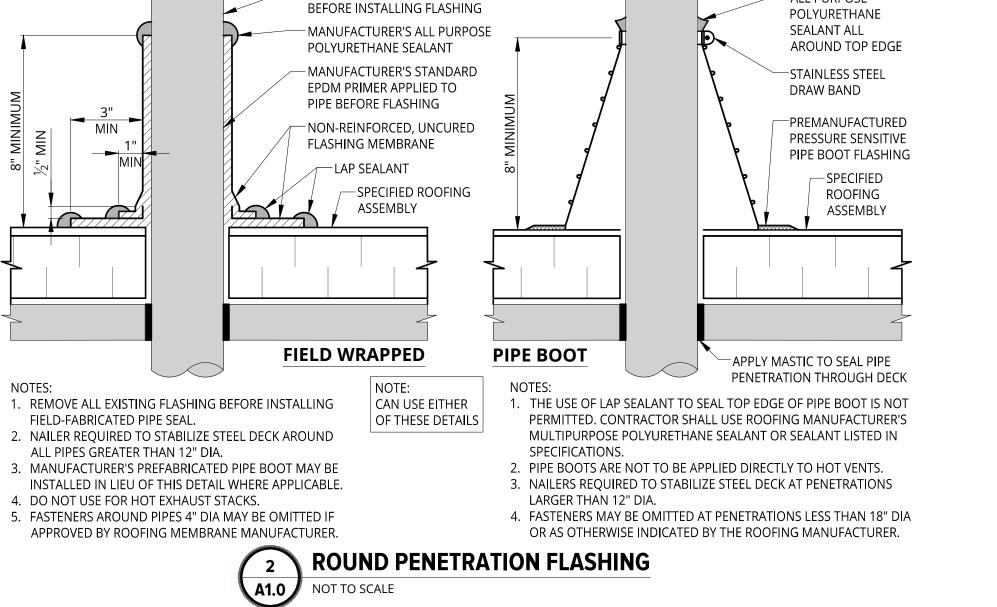


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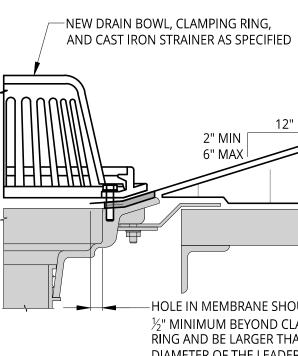
THICKNESS FOR HEIGHTS REQUIRING (6) OR LESS 2X6 NAILERS AND LOCATIONS REQUIRING (3) OR LESS 2X4 NAILERS (INCLUDING EXISTING NAILERS), SECURE EACH NAILER WITH (2) ROWS

- NEW NAILER AS NEEDED TO ACCOMMODATE NEW INSULATION



ALL PURPOSE

ROOF PENETRATION, CLEAN AND PRIME



NOTES:

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1. DO NOT RUN SEAMS THROUGH DRAINS OR SUMPS.

2.	WHERE FIELD SEAMS ARE WITHIN 18" OF DRAINS, THEY SHALL BE
	STRIPPED IN WITH 5" WIDE UNCURED EPDM.
3.	DRAIN HEIGHT TO REMAIN AS IS, INSTALL TAPERED INSULATION TO
	CREATE A 4'x4' (UNO) SUMP AREA AROUND EACH DRAIN, WITH
	MODIFICATIONS AS NEEDED AT EXPANSION JOINTS AND TIGHT SPACES.
	NEW INSULATION MAY NEED TO BE OMITTED TO ALLOW SUMPED AREA
4.	AT EXISTING DRAIN LOCATIONS, REPLACE DRAIN PIPING TO FIRST
	CONTINUOUS STRETCH. DIAMETER TO MATCH EXISTING.
5.	NEW DRAIN LOCATIONS, SHALL BE CONNECTED TO NEAREST ROOF
	STORM WATER PLUMBING SYSTEM.

2" MIN 6" MAX		
	EXISTI	
-HOLE IN MEMBRANE SHOULD EXTEND	ROOF	DECK
$\frac{1}{2}$ " MINIMUM BEYOND CLAMPING		
RING AND BE LARGER THAN THE		
DIAMETER OF THE LEADER PIPE		

- SPECIFIED ROOFING MEMBRANE

- SPECIFIED ROOFING ASSEMBLY

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WATERFORD TWP., MI 48328

**Project Location** 1151 SCOTT LAKE RD.,

DISTRICT MOTT HIGH SCHOOL **ROOFING REPLACEMENT** 

**2023 WATERFORD SCHOOL** 

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Scale

Orientation

Project

Sheet Name