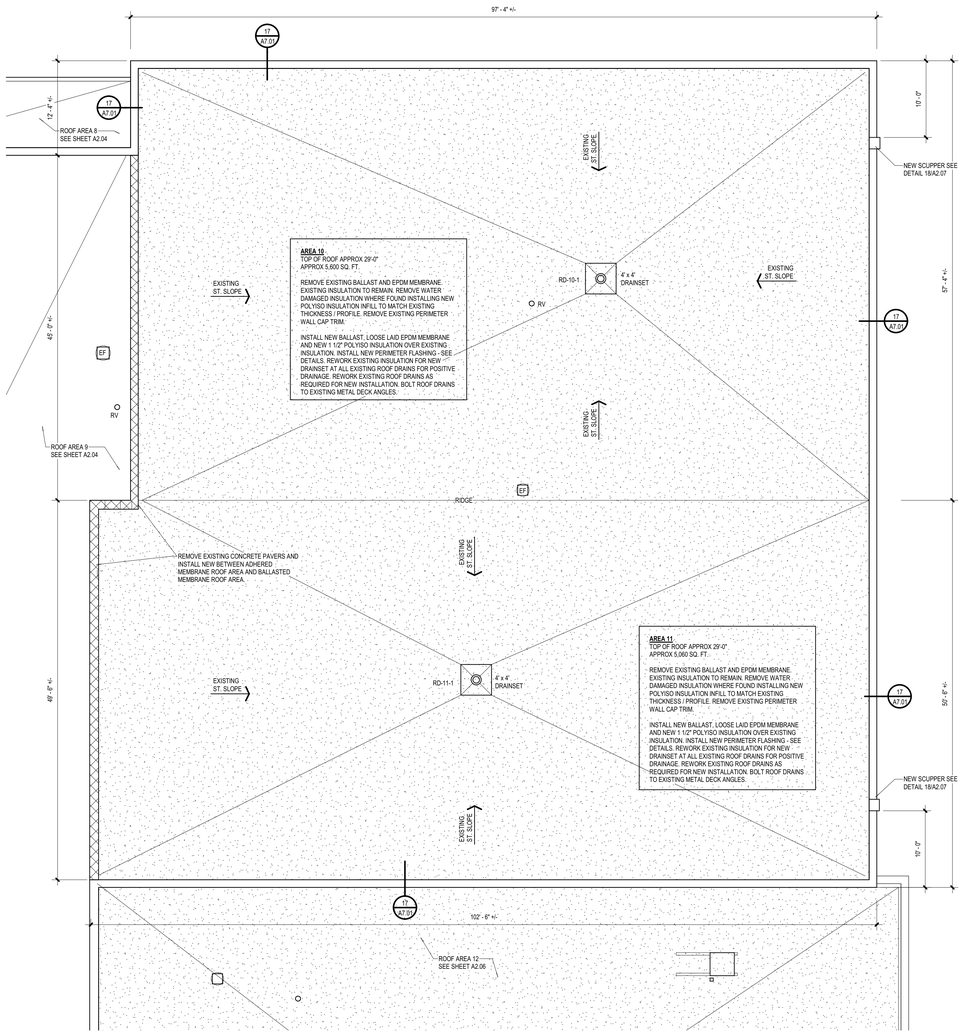

NORTH

AREA 10, 11 ENLARGED ROOF PLAN

1/8" = 1'-0"

GENERAL NOTES

1. ROOF DETAILS
   - ROOF DRAIN - 1/A7.01
   - ROOF OVERFLOW DRAIN - 2/A7.01
   - ROOF DRAIN BALLASTED ROOF - 3/A7.01
   - PLUMBING VENT - 4/A7.01
   - STACK FLASHING - 5/A7.01
   - FASTENING ENHANCEMENT AT CORNER - 6/A7.0A
   - ROOF CURB DETAIL - 7/A7.01
   - METAL COPING SPLICE DETAIL - 8/A7.01
2. RE-ROOFING EXISTING NAILERS / BLOCKING TO REMAIN: CONTRACTOR TO FIELD VERIFY THE EXISTING NAILERS / BLOCKING WILL COMPLY TO MEET THE WIND UP LIFT CRITERIA. REMOVE ALL DAMAGED NAILERS / BLOCKING AND / OR INSTALL ADDITIONAL FASTENER AS REQUIRED TO COMPLY.
3. PROVIDE 1/2" TAPERED CRICKETS AT ALL ROOF HATCHES AND MECHANICAL ROOF PENETRATIONS UNLESS OTHERWISE NOTED. TAPER SHALL PROVIDE DRAINAGE AROUND HATCH AND EQUIPMENT.
4. SEE SPECIFICATION FOR ROOFING SYSTEM TO BE USED AND ROOF PLAN FOR LOCATIONS OF TAPERED INSULATION AND OR SLOPE CHANGES OF ROOF.
5. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL SQUARE FOOTAGE VALUES NOTED ON PLANS
6. REWORK EXISTING ROOF DRAINS FOR NEW ROOF DRAINSETS. CUT / PATCH AND REPAIR EXISTING ROOF INSULATION FOR NEW DRAINSETS AS REQUIRED FOR SEAMLESS TRANSITION OF EXISTING INSULATION TO NEW DRAINSET FOR POSITIVE WATER FLOW TO ROOF DRAINS. REWORK EXISTING ROOF DRAINS AS REQUIRED. ROOF DRAINS TO BE ATTACHED TO EXISTING METAL ROOF FRAMING.
7. SCUPPER LOCATIONS TO BE COORDINATED SO THAT THEY DO NOT APPEAR OVER DOORS, WINDOWS OR MECHANICAL LOUVERS
8. STANDARD ROOF ABBREVIATIONS
   RD = ROOF DRAIN
   ORD = OVERFLOW ROOF DRAIN
   EF = EXHAUST FAN
   IV = INTAKE VENT
   RTU = ROOF TOP UNIT
   RV = RELIEF VENT

LEGEND

- BALLASTED ROOF AREA
- EXISTING ST. SLOPE → DIRECTION OF STRUCTURAL ROOF SLOPE.
- EXISTING TAPER SLOPE → DIRECTION OF ROOF SLOPE WITH TAPERED INSULATION.
- ROOF DRAIN
- RD-5-1 ROOF DRAIN LABEL
  - ROOF DRAIN NUMBER
  - ROOF AREA (SEE ROOF KEYPLAN)
  - RD OR ORD
- ROOF HATCH
- ROOF CONCRETE PAVER

DESIGN CRITERIA

ULTIMATE WIND SPEED (3 SEC. GUST)	120 mph
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT (Gcpi)	0.18
COMPONENTS & CLADDING PRESSURE (psd):	
FLAT ROOFS (BASED ON 20 SF)	
UPLIFT WITHIN 1E OF CORNER	61 psf
UPLIFT WITHIN 1E OF EDGE	44 psf
UPLIFT INTERIOR	28 psf
COMPONENTS & CLADDING PRESSURE (ult):	
FLAT ROOFS (BASED ON 20 SF)	
UPLIFT WITHIN 1E OF CORNER	37 psf
UPLIFT WITHIN 1E OF EDGE	28 psf
UPLIFT INTERIOR	17 psf

GMB
616.796.0200
www.gmb.com

SOUTH HIGH SCHOOL PARTIAL RE-ROOF

WEST OTTAWA PUBLIC SCHOOLS

HOLLAND, MICHIGAN

ISSUANCES

03/20/2020 BIDS & CONSTRUCTION

DRAWN SK
REVIEWED LM

PROJECT NO. 5-4876

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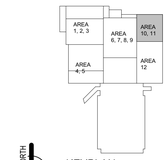
AREA 10, 11 ENLARGED ROOF PLAN

A2.05



NORTH

KEYPLAN

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