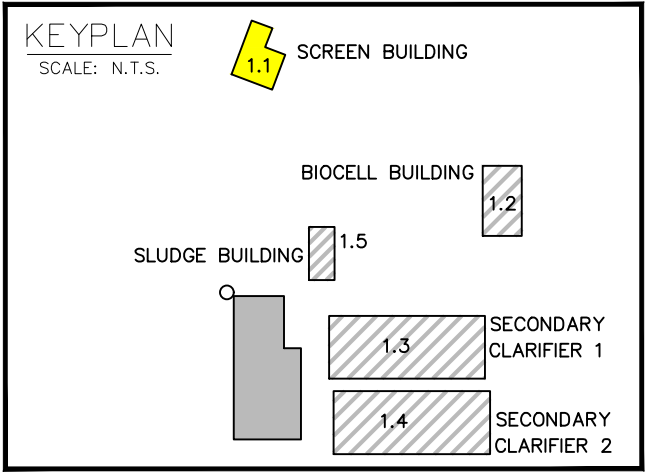
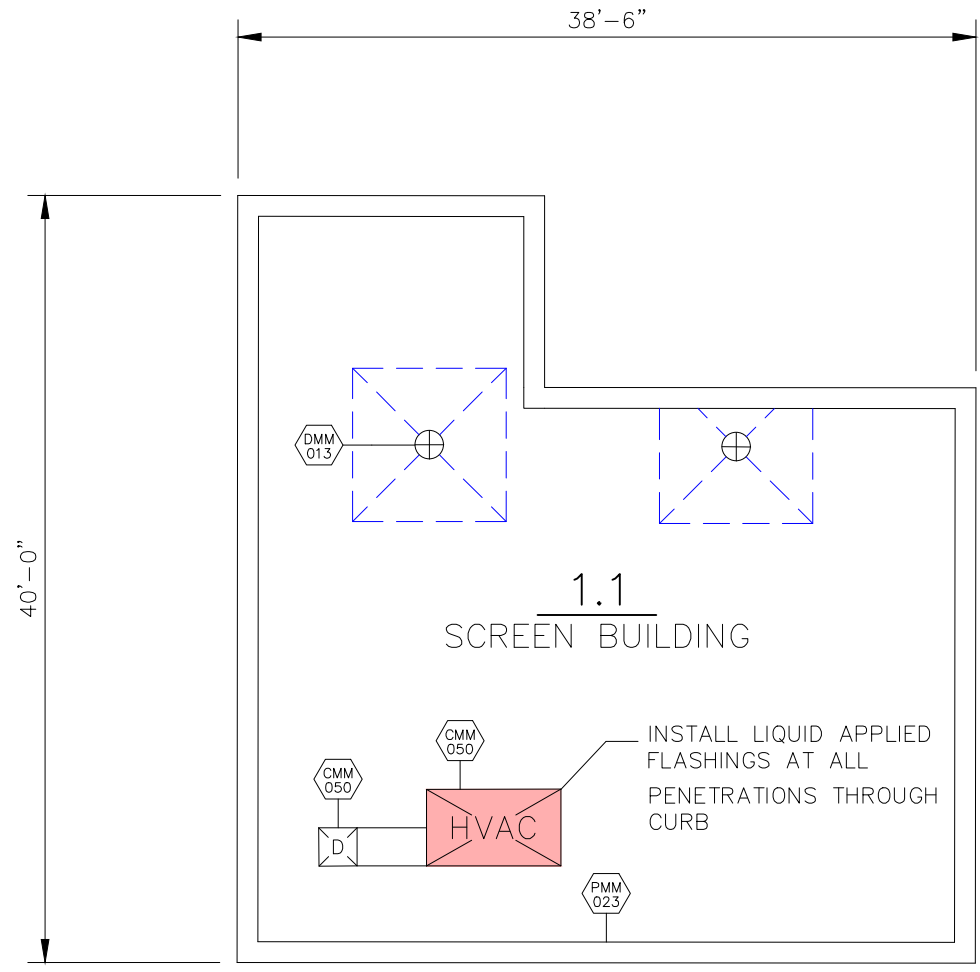


M:\PROJECTS\25051-26000\25052\_MILLIDGEVILLE WASTE WATER TREATMENT FACILITY - SAINT JOHN, NB\NR22-007SP\04\_CAD\02\_WORKING\IRC-25052-NR22-007SP-ROOF PLAN\_R1.DWG



EXISTING ROOF COMPOSITIONS

- |   |   |
|---|---|
| <u>ROOF AREA 1.1, 1.2, 1.3 &amp; 1.5</u><br>CONCRETE DECK<br>2 PLY ASPHALT FELTS<br>4" FIBERGLASS INSULATION<br>4 PLY ASPHALT FELTS<br>PEA GRAVEL | <u>ROOF AREA 1.4</u><br>CONCRETE DECK<br>2 PLY ASPHALT FELTS<br>3.5" POLY ISO INSULATION<br>0.5" FIBERBOARD<br>0.5" FIBERBOARD<br>BASE SHEET<br>MOD. BIT. CAP SHEET |
|---|---|

NEW ROOF COMPOSITION(S)

- |   |   |
|---|---|
| <u>ROOF AREA 1.1, 1.2, 1.3 &amp; 1.4</u><br>EXISTING CONCRETE DECK<br>EXISTING VAPOUR RETARDER<br>NEW SOPRAVAP'R<br>NEW 2" POLY ISO INSULATION<br>NEW 2" POLY ISO INSULATION<br>NEW 0.25" 2-1 SOPRASMA RT BOARD C/W LAMINATED BASE SHEET<br>NEW MOD. BIT. CAP SHEET | <u>ROOF AREA 1.5</u><br>EXISTING CONCRETE DECK<br>EXISTING VAPOUR RETARDER<br>NEW SOPRAVAP'R<br>NEW 2" POLY ISO INSULATION<br>NEW 2" POLY ISO INSULATION<br>NEW 0.25" 2-1 SOPRASMA RT BOARD C/W LAMINATED BASE SHEET<br>NEW SOPRALENE STICK HR GR CAP SHEET |
|---|---|

ROOF AREAS (SQ. FT.)

- 1.1 - 1,315
- 1.2 - 1,692
- 1.3 - 6,200
- 1.4 - 6,200
- 1.5 - 975

TOTAL = 16,382

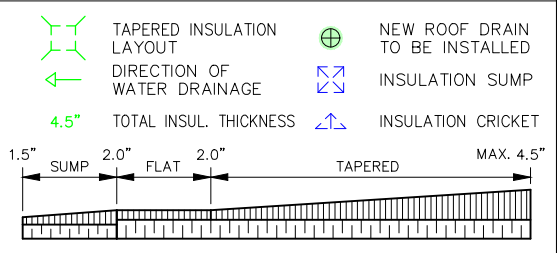
**LEGEND**

- ROOF AREAS NOT INCLUDED IN CONTRACT
- ROOF AREAS SHOWN ON ANOTHER DRAWING

ROOF PROJECTIONS:

- |  |                                  |  |                               |
|--|----------------------------------|--|-------------------------------|
|  | ANTENNA                          |  | HVAC UNIT ON SLEEPERS         |
|  | BREATHER                         |  | LADDER                        |
|  | CAPPED OFF/ABANDONED STACK       |  | LIGHT POST                    |
|  | CHANGE IN ELEV.                  |  | PIPE SUPPORT                  |
|  | CHIMNEY                          |  | PITCH POCKET                  |
|  | CONDUIT LINE                     |  | PLUMBING OR SOIL STACK        |
|  | CONTROL JOINT                    |  | RA ROOF ANCHOR                |
|  | DRAIN                            |  | SATELLITE DISH                |
|  | EXHAUST FAN ON CURB              |  | SCUPPER                       |
|  | EXPANSION JOINT                  |  | SECURITY CAMERA               |
|  | EXPLOSION HATCH                  |  | SKYLIGHT                      |
|  | FLAGPOLE                         |  | SLOPE                         |
|  | GAS PIPELINE                     |  | SQUARE VENT                   |
|  | GOOSENECK VENT                   |  | SQUARE VENT ON OVERSIZED CURB |
|  | GOOSENECK VENT ON OVERSIZED CURB |  | TALLCONE OR "B" VENT          |
|  | HATCH                            |  | TALLCONE OR "B" VENT ON CURB  |
|  | HVAC UNIT                        |  | UNUSED OPENING                |
|  | HVAC UNIT ON CURB                |  | WALKWAY PADS                  |

DRAINAGE:

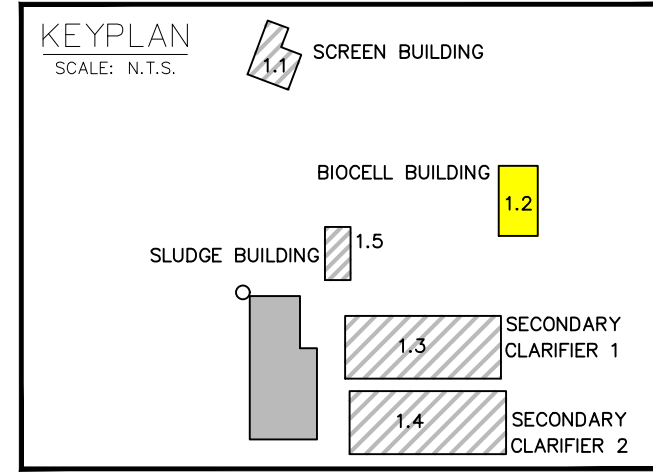
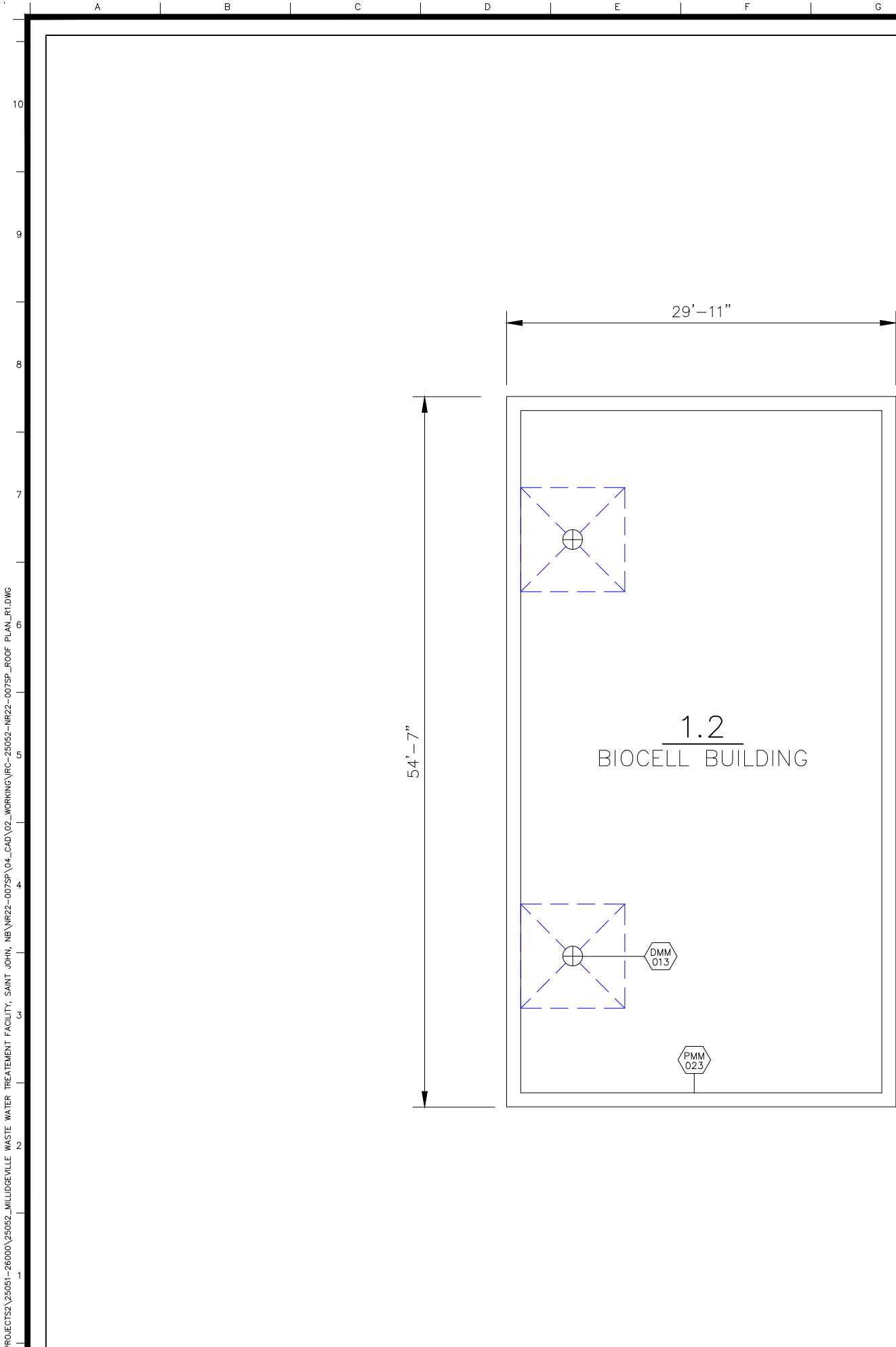


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A Rimkus Company  
69 MAPLE AVENUE  
NEW GLASGOW, NOVA SCOTIA, B2H 2B3  
TEL: 902.695.5549 WWW.IRCGROUP.COM

TITLE:	PARTIAL ROOF PLAN
CLIENT:	CITY OF SAINT JOHN
PROJECT:	MILLIDGEVILLE WASTE WATER TREATMENT FACILITY 700 WOODWARD AVE, SAINT JOHN NB

IRC #:	25052	PROJECT NORTH:	
W.O.#:	NR22-007SP		
SCALE:	1" = 30'		
DATE:	MAR 15/22		
DRN. BY:	A.R.	DWG.#:	R1
CHK. BY:	V.A./K.K.		



**EXISTING ROOF COMPOSITIONS**

**ROOF AREA 1.1, 1.2, 1.3 & 1.5**  
 CONCRETE DECK  
 2 PLY ASPHALT FELTS  
 4" FIBERGLASS INSULATION  
 4 PLY ASPHALT FELTS  
 PEA GRAVEL

**ROOF AREA 1.4**  
 CONCRETE DECK  
 2 PLY ASPHALT FELTS  
 3.5" POLY ISO INSULATION  
 0.5" FIBERBOARD  
 0.5" FIBERBOARD  
 BASE SHEET  
 MOD. BIT. CAP SHEET

**NEW ROOF COMPOSITION(S)**

**ROOF AREA 1.1, 1.2, 1.3 & 1.4**  
 EXISTING CONCRETE DECK  
 EXISTING VAPOUR RETARDER  
 NEW SOPRAVAP'R  
 NEW 2" POLY ISO INSULATION  
 NEW 2" POLY ISO INSULATION  
 NEW 0.25" 2-1 SOPRASMART BOARD C/W LAMINATED BASE SHEET  
 NEW MOD. BIT. CAP SHEET

**ROOF AREA 1.5**  
 EXISTING CONCRETE DECK  
 EXISTING VAPOUR RETARDER  
 NEW SOPRAVAP'R  
 NEW 2" POLY ISO INSULATION  
 NEW 2" POLY ISO INSULATION  
 NEW 0.25" 2-1 SOPRASMART BOARD C/W LAMINATED BASE SHEET  
 NEW SOPRALENE STICK HR GR CAP SHEET

**ROOF AREAS (SQ. FT.)**

- 1.1 - 1,315
- 1.2 - 1,692
- 1.3 - 6,200
- 1.4 - 6,200
- 1.5 - 975

TOTAL = 16,382

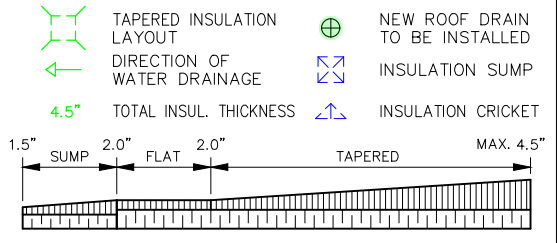
**LEGEND**

- ROOF AREAS NOT INCLUDED IN CONTRACT
- ROOF AREAS SHOWN ON ANOTHER DRAWING

**ROOF PROJECTIONS:**

- |  |                                  |  |                               |
|--|----------------------------------|--|-------------------------------|
|  | ANTENNA                          |  | HVAC UNIT ON SLEEPERS         |
|  | BREATHER                         |  | LADDER                        |
|  | CAPPED OFF/ABANDONED STACK       |  | LIGHT POST                    |
|  | CHANGE IN ELEV.                  |  | PIPE SUPPORT                  |
|  | CHIMNEY                          |  | PITCH POCKET                  |
|  | CONDUIT LINE                     |  | PLUMBING OR SOIL STACK        |
|  | CONTROL JOINT                    |  | RA ROOF ANCHOR                |
|  | DRAIN                            |  | SATELLITE DISH                |
|  | EXHAUST FAN ON CURB              |  | SCUPPER                       |
|  | EXPANSION JOINT                  |  | SECURITY CAMERA               |
|  | EXPLOSION HATCH                  |  | SKYLIGHT                      |
|  | FLAGPOLE                         |  | SLOPE                         |
|  | GAS PIPELINE                     |  | SQUARE VENT                   |
|  | GOOSENECK VENT                   |  | SQUARE VENT ON OVERSIZED CURB |
|  | GOOSENECK VENT ON OVERSIZED CURB |  | TALLCONE OR "B" VENT          |
|  | HATCH                            |  | TALLCONE OR "B" VENT ON CURB  |
|  | HVAC UNIT                        |  | UNUSED OPENING                |
|  | HVAC UNIT ON CURB                |  | WALKWAY PADS                  |

**DRAINAGE:**

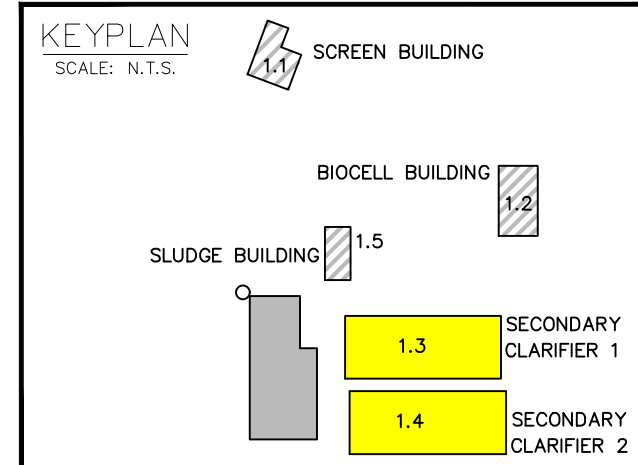
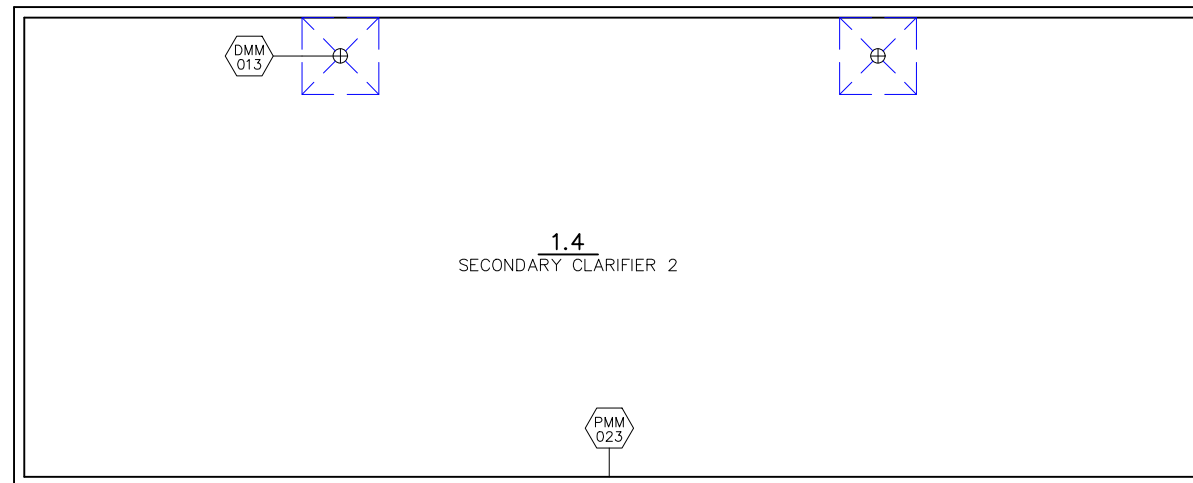
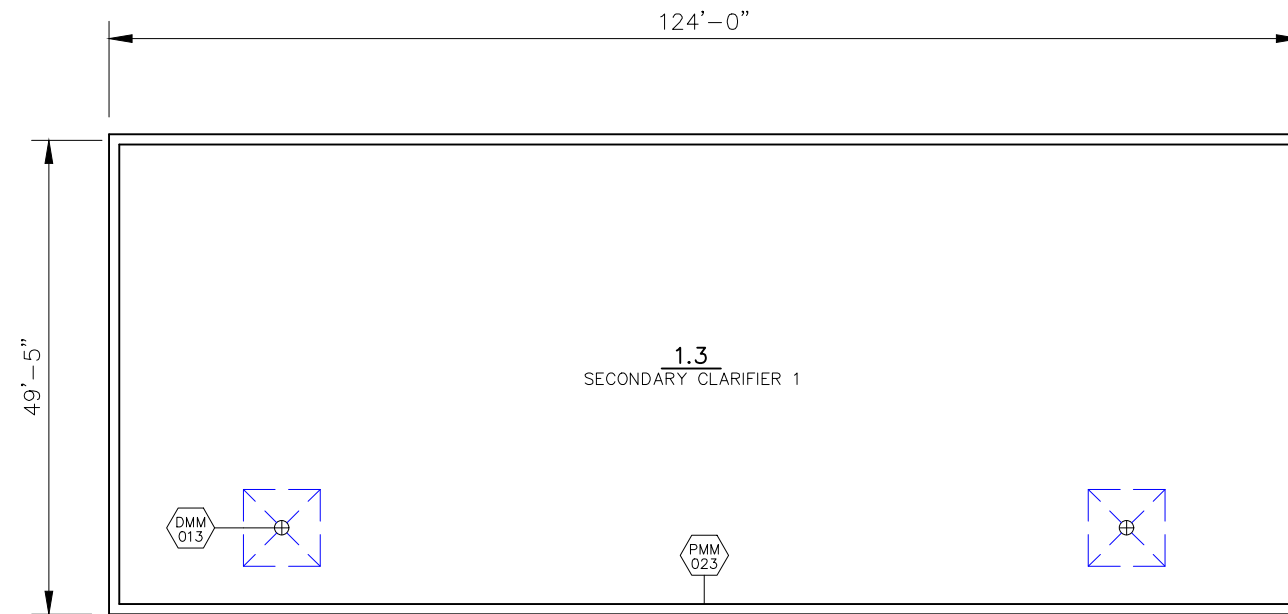


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 NEW GLASGOW, NOVA SCOTIA, B2H 2B3  
 TEL: 902.695.5549 WWW.IRCGROUP.COM

TITLE:	PARTIAL ROOF PLAN
CLIENT:	CITY OF SAINT JOHN
PROJECT:	MILLIDGEVILLE WASTE WATER TREATMENT FACILITY 700 WOODWARD AVE, SAINT JOHN NB

IRC #:	25052	PROJECT NORTH:	
W.O.#:	NR22-007SP		
SCALE:	1" = 30'		
DATE:	MAR 15/22		
DRN. BY:	A.R.	DWG.#:	R2
CHK. BY:	V.A./K.K.		



EXISTING ROOF COMPOSITIONS

ROOF AREA 1.1, 1.2, 1.3 & 1.5  
 CONCRETE DECK  
 2 PLY ASPHALT FELTS  
 4" FIBERGLASS INSULATION  
 4 PLY ASPHALT FELTS  
 PEA GRAVEL

ROOF AREA 1.4  
 CONCRETE DECK  
 2 PLY ASPHALT FELTS  
 3.5" POLY ISO INSULATION  
 0.5" FIBERBOARD  
 0.5" FIBERBOARD  
 BASE SHEET  
 MOD. BIT. CAP SHEET

NEW ROOF COMPOSITION(S)

ROOF AREA 1.1, 1.2, 1.3 & 1.4  
 EXISTING CONCRETE DECK  
 EXISTING VAPOUR RETARDER  
 NEW SOPRAVAP'R  
 NEW 2" POLY ISO INSULATION  
 NEW 2" POLY ISO INSULATION  
 NEW 0.25" 2-1 SOPRASMA RT BOARD C/W LAMINATED BASE SHEET  
 NEW MOD. BIT. CAP SHEET

ROOF AREA 1.5  
 EXISTING CONCRETE DECK  
 EXISTING VAPOUR RETARDER  
 NEW SOPRAVAP'R  
 NEW 2" POLY ISO INSULATION  
 NEW 2" POLY ISO INSULATION  
 NEW 0.25" 2-1 SOPRASMA RT BOARD C/W LAMINATED BASE SHEET  
 NEW SOPRALENE STICK HR GR CAP SHEET

ROOF AREAS (SQ. FT.)

- 1.1 - 1,315
- 1.2 - 1,692
- 1.3 - 6,200
- 1.4 - 6,200
- 1.5 - 975

TOTAL = 16,382

**LEGEND**

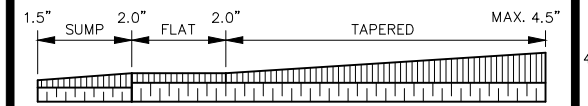
- ROOF AREAS NOT INCLUDED IN CONTRACT
- ROOF AREAS SHOWN ON ANOTHER DRAWING

ROOF PROJECTIONS:

- |  |                                  |  |                               |
|--|----------------------------------|--|-------------------------------|
|  | ANTENNA                          |  | HVAC UNIT ON SLEEPERS         |
|  | BREATHER                         |  | LADDER                        |
|  | CAPPED OFF/ABANDONED STACK       |  | LIGHT POST                    |
|  | CHANGE IN ELEV.                  |  | PIPE SUPPORT                  |
|  | CHIMNEY                          |  | PITCH POCKET                  |
|  | CONDUIT LINE                     |  | PLUMBING OR SOIL STACK        |
|  | CONTROL JOINT                    |  | RA ROOF ANCHOR                |
|  | DRAIN                            |  | SATELLITE DISH                |
|  | EXHAUST FAN ON CURB              |  | SCUPPER                       |
|  | EXPANSION JOINT                  |  | SECURITY CAMERA               |
|  | EXPLOSION HATCH                  |  | SKYLIGHT                      |
|  | FLAGPOLE                         |  | SLOPE                         |
|  | GAS PIPELINE                     |  | SQUARE VENT                   |
|  | GOOSENECK VENT                   |  | SQUARE VENT ON OVERSIZED CURB |
|  | GOOSENECK VENT ON OVERSIZED CURB |  | TALLCONE OR "B" VENT          |
|  | HATCH                            |  | TALLCONE OR "B" VENT ON CURB  |
|  | HVAC UNIT                        |  | UNUSED OPENING                |
|  | HVAC UNIT ON CURB                |  | WALKWAY PADS                  |

DRAINAGE:

- |  |                             |  |                                |
|--|-----------------------------|--|--------------------------------|
|  | TAPERED INSULATION LAYOUT   |  | NEW ROOF DRAIN TO BE INSTALLED |
|  | DIRECTION OF WATER DRAINAGE |  | INSULATION SUMP                |
|  | 4.5" TOTAL INSUL. THICKNESS |  | INSULATION CRICKET             |



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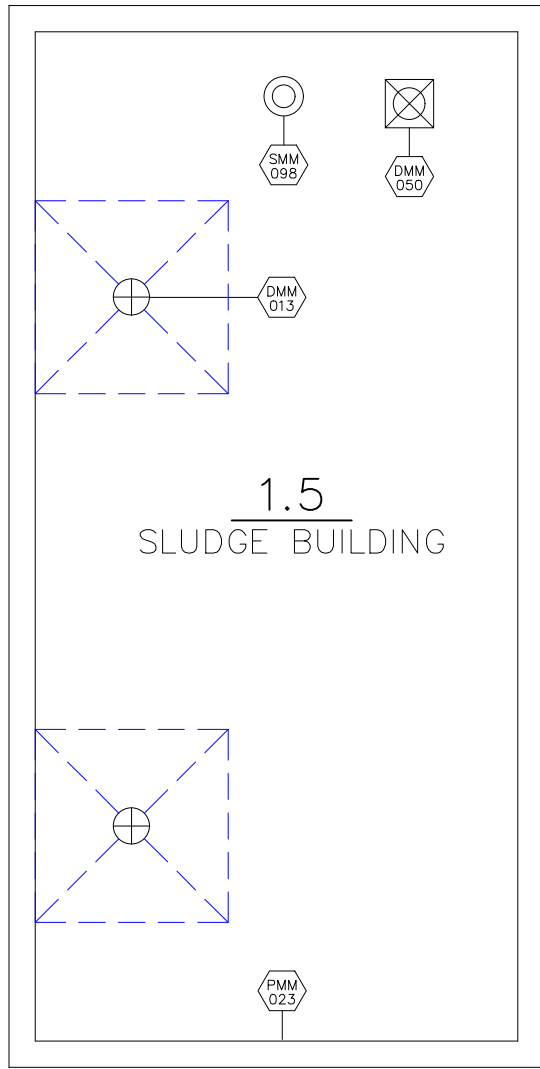
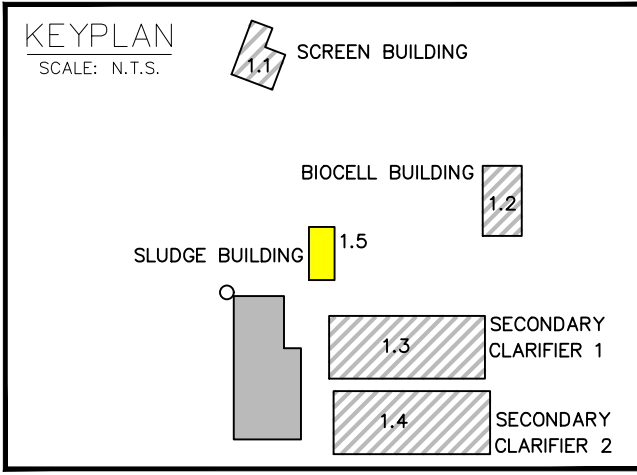
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 A Rimkus Company  
 69 MAPLE AVENUE  
 NEW GLASGOW, NOVA SCOTIA, B2H 2B3  
 TEL: 902.695.5549 WWW.IRCGROUP.COM

TITLE:	PARTIAL ROOF PLAN
CLIENT:	CITY OF SAINT JOHN
PROJECT:	MILLIDGEVILLE WASTE WATER TREATMENT FACILITY 700 WOODWARD AVE, SAINT JOHN NB

IRC #:	25052	PROJECT NORTH:	
W.O.#:	NR22-007SP		
SCALE:	1" = 20'		
DATE:	MAR 15/22		
DRN. BY:	A.R.	DWG.#:	R3
CHK. BY:	V.A./K.K.		

M:\PROJECTS\25051-26000\25052\_MILLIDGEVILLE WASTE WATER TREATMENT FACILITY SAINT JOHN NB\NR22-007SP\04\_CAD\02\_WORKING\IRC-25052-NR22-007SP-ROOF\_PLAN\_R1.DWG

M:\PROJECTS\25051-26000\25052\_MILLIDGEVILLE WASTE WATER TREATMENT FACILITY SAINT JOHN NB\NR22-007SP\04\_CAD\02\_WORKING\IRC-25052-NR22-007SP-ROOF PLAN\_R1.DWG



EXISTING ROOF COMPOSITIONS

ROOF AREA 1.1, 1.2, 1.3 & 1.5  
 CONCRETE DECK  
 2 PLY ASPHALT FELTS  
 4" FIBERGLASS INSULATION  
 4 PLY ASPHALT FELTS  
 PEA GRAVEL

ROOF AREA 1.4  
 CONCRETE DECK  
 2 PLY ASPHALT FELTS  
 3.5" POLY ISO INSULATION  
 0.5" FIBERBOARD  
 0.5" FIBERBOARD  
 BASE SHEET  
 MOD. BIT. CAP SHEET

NEW ROOF COMPOSITION(S)

ROOF AREA 1.1, 1.2, 1.3 & 1.4  
 EXISTING CONCRETE DECK  
 EXISTING VAPOUR RETARDER  
 NEW SOPRAVAP'R  
 NEW 2" POLY ISO INSULATION  
 NEW 2" POLY ISO INSULATION  
 NEW 0.25" 2-1 SOPRASMART BOARD C/W LAMINATED BASE SHEET  
 NEW MOD. BIT. CAP SHEET

ROOF AREA 1.5  
 EXISTING CONCRETE DECK  
 EXISTING VAPOUR RETARDER  
 NEW SOPRAVAP'R  
 NEW 2" POLY ISO INSULATION  
 NEW 2" POLY ISO INSULATION  
 NEW 0.25" 2-1 SOPRASMART BOARD C/W LAMINATED BASE SHEET  
 NEW SOPRALENE STICK HR GR CAP SHEET

ROOF AREAS (SQ. FT.)

- 1.1 - 1,315
- 1.2 - 1,692
- 1.3 - 6,200
- 1.4 - 6,200
- 1.5 - 975

TOTAL = 16,382

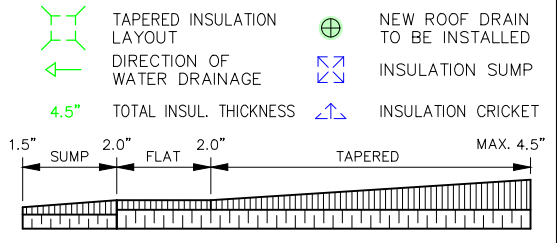
**LEGEND**

- ROOF AREAS NOT INCLUDED IN CONTRACT
- ROOF AREAS SHOWN ON ANOTHER DRAWING

ROOF PROJECTIONS:

- |  |                                  |  |                               |
|--|----------------------------------|--|-------------------------------|
|  | ANTENNA                          |  | HVAC UNIT ON SLEEPERS         |
|  | BREATHER                         |  | LADDER                        |
|  | CAPPED OFF/ABANDONED STACK       |  | LIGHT POST                    |
|  | CHANGE IN ELEV.                  |  | PIPE SUPPORT                  |
|  | CHIMNEY                          |  | PITCH POCKET                  |
|  | CONDUIT LINE                     |  | PLUMBING OR SOIL STACK        |
|  | CONTROL JOINT                    |  | RA ROOF ANCHOR                |
|  | DRAIN                            |  | SATELLITE DISH                |
|  | EXHAUST FAN ON CURB              |  | SCUPPER                       |
|  | EXPANSION JOINT                  |  | SECURITY CAMERA               |
|  | EXPLOSION HATCH                  |  | SKYLIGHT                      |
|  | FLAGPOLE                         |  | SLOPE                         |
|  | GAS PIPELINE                     |  | SQUARE VENT                   |
|  | GOOSENECK VENT                   |  | SQUARE VENT ON OVERSIZED CURB |
|  | GOOSENECK VENT ON OVERSIZED CURB |  | TALLCONE OR "B" VENT          |
|  | HATCH                            |  | TALLCONE OR "B" VENT ON CURB  |
|  | HVAC UNIT                        |  | UNUSED OPENING                |
|  | HVAC UNIT ON CURB                |  | WALKWAY PADS                  |

DRAINAGE:

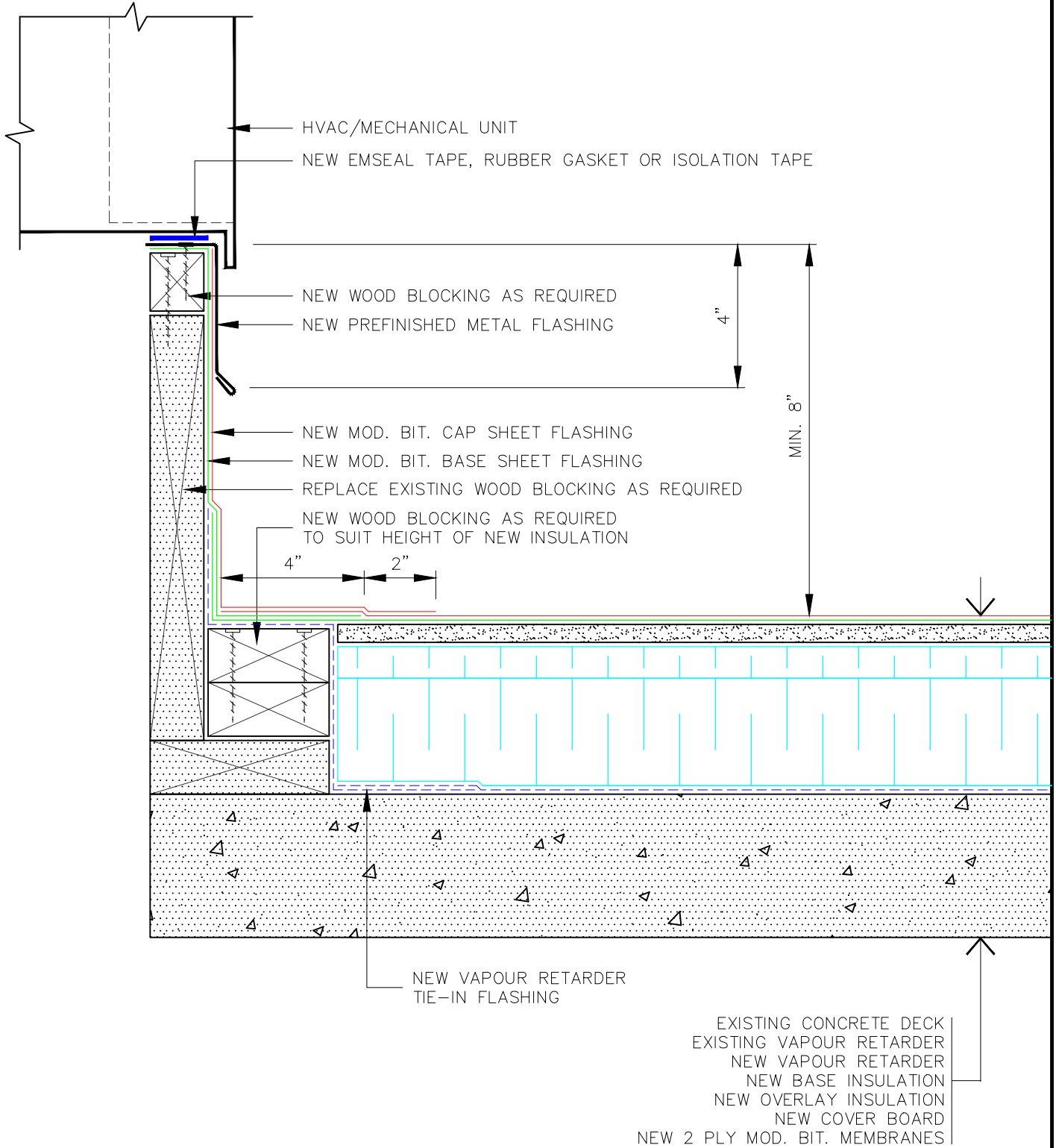


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 NEW GLASGOW, NOVA SCOTIA, B2H 2B3  
 TEL: 902.695.5549 WWW.IRCGROUP.COM

TITLE: PARTIAL ROOF PLAN  
 CLIENT: CITY OF SAINT JOHN  
 PROJECT: MILLIDGEVILLE WASTE WATER TREATMENT FACILITY  
 700 WOODWARD AVE, SAINT JOHN NB

IRC #:	25052	PROJECT NORTH:	
W.O.#:	NR22-007SP		
SCALE:	1" = 20'		
DATE:	MAR 15/22		
DRN. BY:	A.R.	DWG.#:	R4
CHK. BY:	V.A./K.K.		



TITLE: BUILT-UP CURB DETAIL

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REVISED:

REV'N.#:

DRN. BY: A.R.

CHK. BY: V.A./K.K

SCALE: 3" = 1'-0"

DATE:

DWG.#:

CMM050

M:\\_Projects\25051-26000\25052\_Millidgeville Waste Water Treatment Facility, Saint John, NB\RF22-0075P\04\_CAD\02\_Working\DMK\1013-RR-CP-ISO-DD\_Retro.dwg

NEW 2 PLY MOD. BIT MEMBRANES  
 NEW COVER BOARD  
 NEW OVERLAY INSULATION  
 NEW BASE INSULATION  
 NEW VAPOUR RETARDER  
 EXISTING VAPOUR RETARDER  
 EXISTING CONCRETE DECK

CAST ALUMINUM DOME WITH  
 HINGED ACCESS GATE

NEW THALER "RD-4C-RR-FLAT"  
 DRAIN INSERT

STAINLESS STEEL VANDAL  
 PROOF RETAINING SCREW

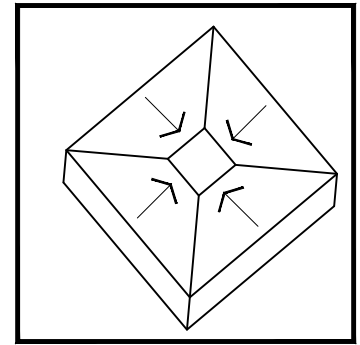
CAST ALUMINUM CLAMPING RING

BRONZE STABILIZER RING WITH  
 WELDED STAINLESS STEEL BOLTS

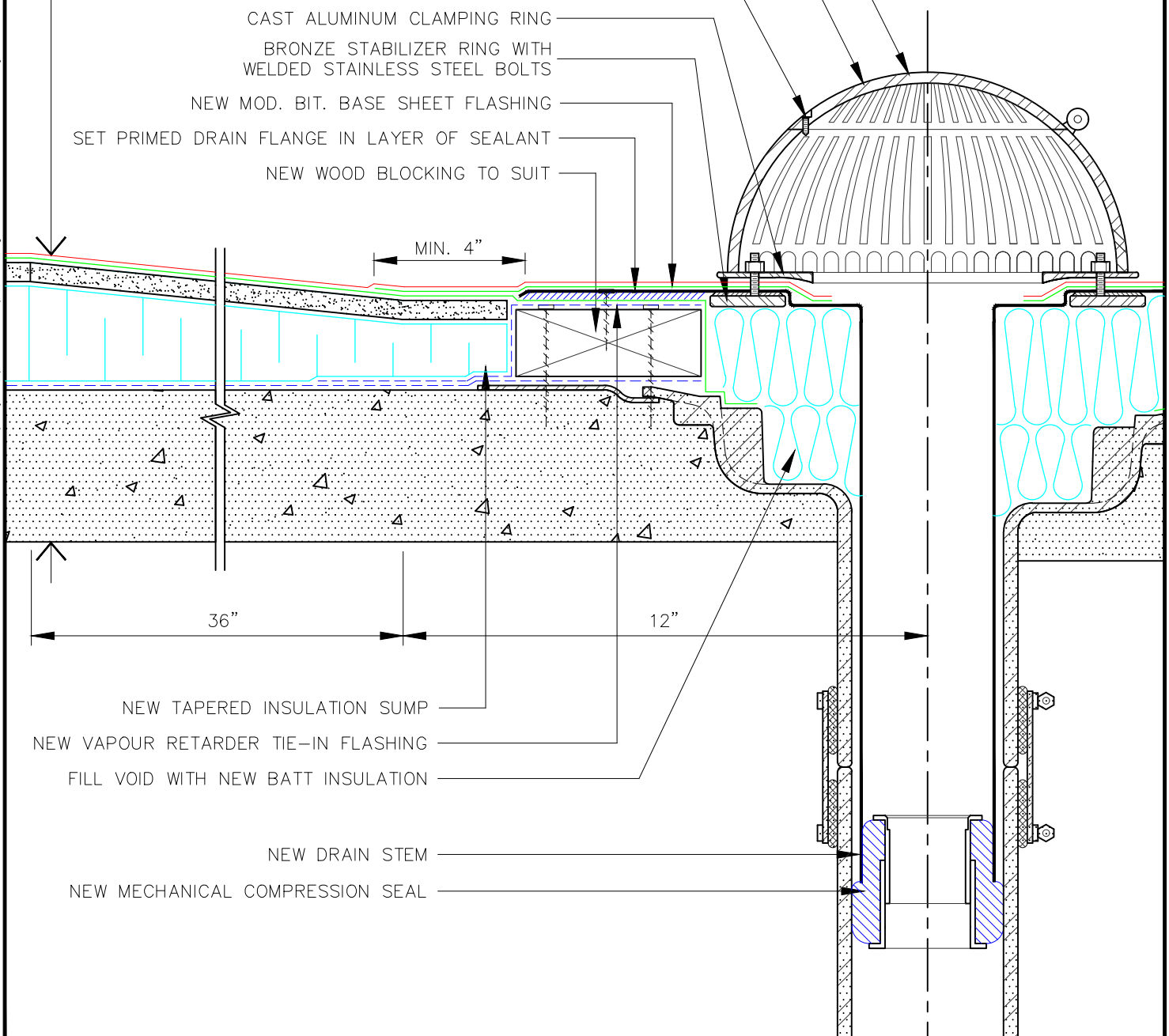
NEW MOD. BIT. BASE SHEET FLASHING

SET PRIMED DRAIN FLANGE IN LAYER OF SEALANT

NEW WOOD BLOCKING TO SUIT



SUMP DIAGRAM



NEW TAPERED INSULATION SUMP

NEW VAPOUR RETARDER TIE-IN FLASHING

FILL VOID WITH NEW BATT INSULATION

NEW DRAIN STEM

NEW MECHANICAL COMPRESSION SEAL

MIN. 4"

36"

12"



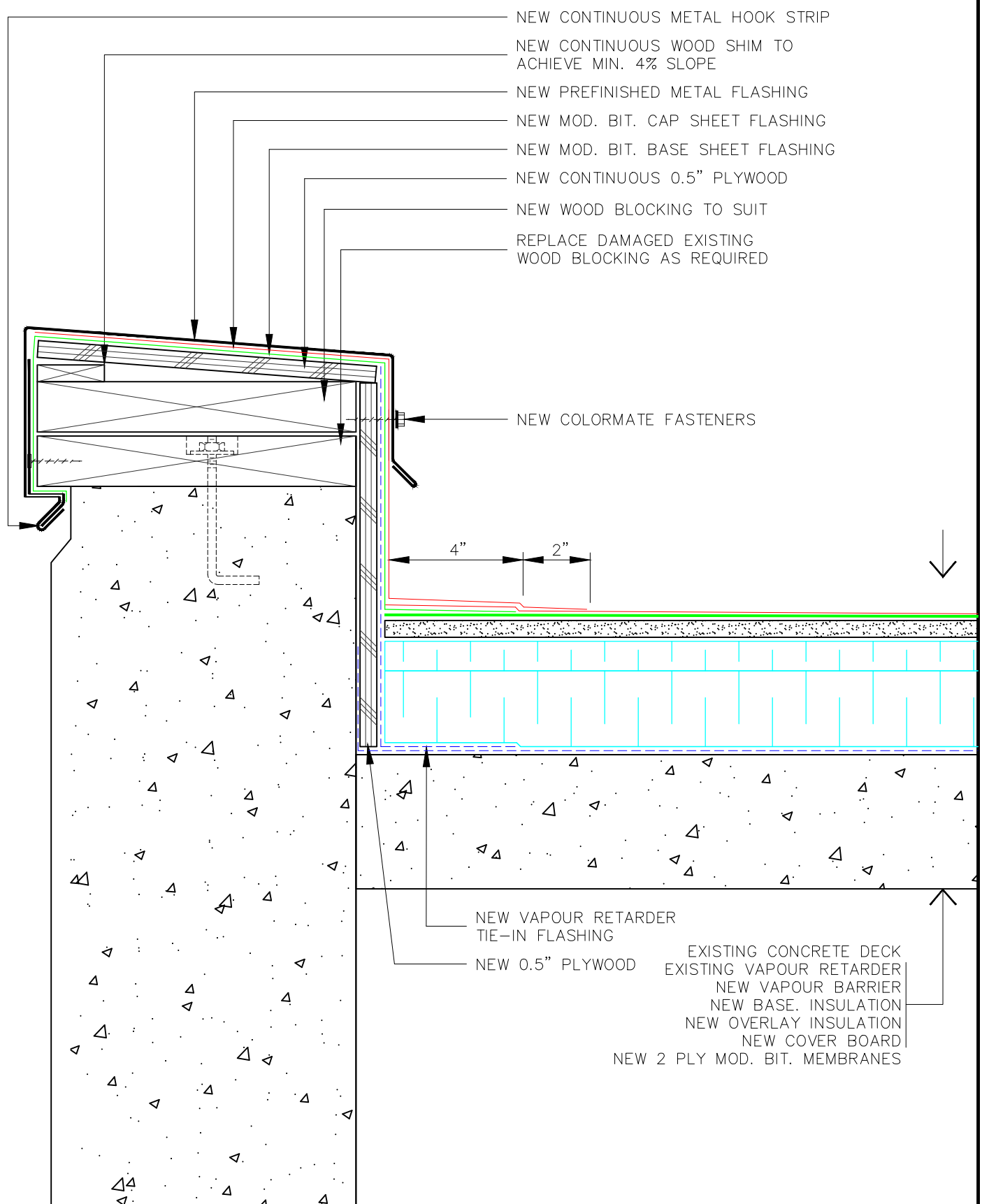
TITLE: **RETRO DRAIN FLASHING DETAIL**

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REVISED:  
 REV'N.#:  
 DRN. BY: **A.R.**  
 CHK. BY: **V.A./K.K.**

SCALE: **3" = 1'-0"**  
 DATE: **4 APR. 2022**  
 DWG.#: **DMM013**

M:\Projects\25051-26000\25052\_Millidgeville Waste Water Treatment Facility, Saint John, NB\NR22-0075P\04\_CAD\02\_Working\PMW\02023-RR-CD-ISO-XBD\_Precast.dwg



- NEW CONTINUOUS METAL HOOK STRIP
- NEW CONTINUOUS WOOD SHIM TO ACHIEVE MIN. 4% SLOPE
- NEW PREFINISHED METAL FLASHING
- NEW MOD. BIT. CAP SHEET FLASHING
- NEW MOD. BIT. BASE SHEET FLASHING
- NEW CONTINUOUS 0.5" PLYWOOD
- NEW WOOD BLOCKING TO SUIT
- REPLACE DAMAGED EXISTING WOOD BLOCKING AS REQUIRED

NEW COLORMATE FASTENERS

4" 2"

- NEW VAPOUR RETARDER TIE-IN FLASHING
- NEW 0.5" PLYWOOD
- EXISTING CONCRETE DECK
- EXISTING VAPOUR RETARDER
- NEW VAPOUR BARRIER
- NEW BASE. INSULATION
- NEW OVERLAY INSULATION
- NEW COVER BOARD
- NEW 2 PLY MOD. BIT. MEMBRANES



TITLE: PARAPET FLASHING DETAIL

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REVISED:

REV'N.#:

DRN. BY: A.R.

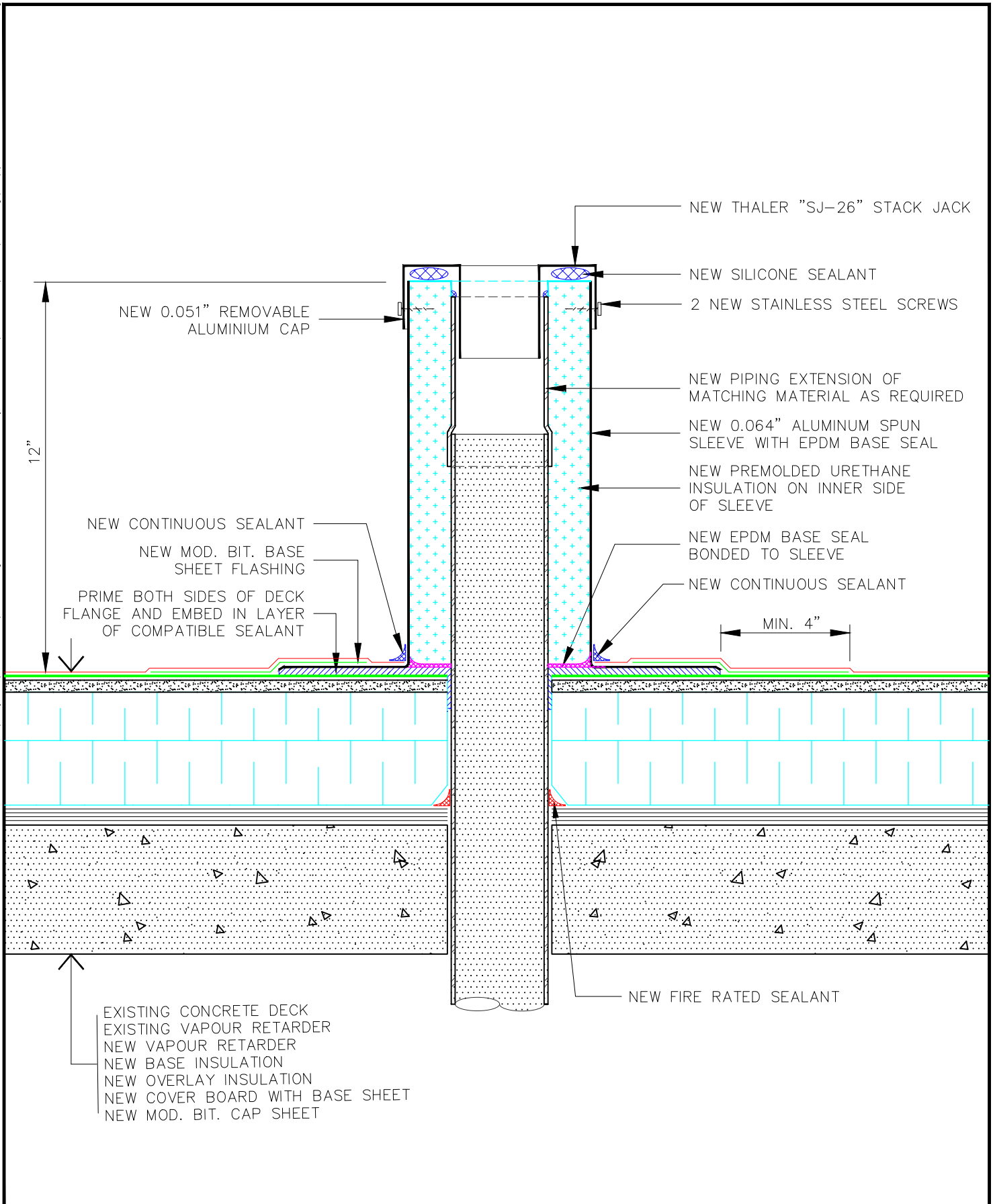
CHK. BY: V.A./K.K.


SCALE: 3" = 1'-0"

DATE: 4 APR. 2022

DWG.#: PMM023

Mt:\Projects\25051-26000\25052\_Millidgeville Waste Water Treatment Facility, Saint John, NB\N22-0075P\04\_CAD\02\_Working\SMM(2)098-RF-CD-ISO-ISO-XBD-P-Stack.dwg



	<b>TITLE:</b> PLUMBING STACK FLASHING DETAIL	<b>REVISED:</b>	<b>SCALE:</b> 3" = 1'-0"
		<b>REV'N.#:</b>	<b>DATE:</b> MAR. 30, 2022
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