

8280 B0001 B0002 NEW 1650x2150 (5'-5" x 7'-0") EQUIPMENT ROOF HATCH B0001 B0002 **NEW PARAPET FLASHING** B0001 | B0002 SCRAPE OFF EXIST GRAVEL & INSTALL NEW MOD BIT **ROOF MEMBRANE OVER** EXIST MEMBRANE -B0001 B0002 EXTEND NEW ROOF MEMBRANE UP & OVERTOP OF PARAPET REPLACE EXIST ASPHALT SINGLES 6363± C/W UNDERLAYMENT

BUILDING SPECIFICATIONS:

GENERAL:

- DO NOT SCALE DRAWINGS.
- VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION.
- VERIFY ALL MECHANICAL AND ELECTRICAL REQUIREMENTS WITH RESPECTIVE DISCIPLINES. VERIFY ALL MAJOR OPENINGS WHICH ARE REQUIRED BUT ARE NOT SHOWN ON THE DRAWINGS WITH THE CONTRACT ADMINISTRATOR.
- SHOP DRAWINGS AND PRODUCT DATA: SUBMIT OR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS AND PRODUCT DATA REQUIRED FOR THIS
- PROJECT INCLUDE: INSULATION
- ROOFING
- DOOR AND HARDWARE
- ROOF HATCH
- PAINT 5. UNLESS NOTED OTHERWISE, INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURES WRITTEN INSTRUCTIONS.

EXTERIOR WALLS AND ROOF:

- WOOD FRAMING AND STRAPPING:
- WOOD TO BE GROUP D, #2 OR BETTER, (SPF).
- ALL WOOD TO BE KILN DRIED. SIZES AS SHOWN ON DRAWINGS.
- ALL FASTENERS TO BE GALVANIZED TO CAN/CSA-G164.
- GYPSUM BOARD:
- CSA A82.27 PLAIN, SQUARE CUT ENDS, TAPERED EDGES, PAPER FACED. INSTALL HORIZONTALLY IN WALLS. - TAPE AND FILL JOINTS, FILL SCREW HEAD, TO PROVIDE SMOOTH FINISHED
- SURFACE.
- TYPICAL: 16mm (5/8") STANDARD CAVITY INSULATION:
- SEMI-RIGID MINERAL WOOL, SIZED TO FIT STUD SPACING INSTALL TO FILL WALL & ROOF CAVITY FULL THICKNESS AND HEIGHT
- 4. BOARD INSULATION: - EXTRUDED POLYSTYRENE TO CAN/GSB-51.20-M87, TYPE 2
- THICKNESS AS INDICATED
- VAPOUR BARRIER: - 6 MIL POLYETHYLENE, TO CAN/CGSB-51.34 M86

MODIFIED BITUMINOUS ROOFING:

- ACCEPTABLE SYSTEMS: SOPREMA, IKO OR APPROVED SUBSTITUTE.
- ROOF MEMBRANE:
- BASE LAYER:
- TO CGSB 37-GP-56M, STYRENE-BUTADIENE-STYRENE (SBS) ELASTOMERIC POLYMER, PREFABRICATED SHEET, FACTORY-LAMINATED TO FIBREBOARD
- **PANELS** - TOP POLYETHYLENE
- FLASHING MEMBRANE:
- TO CGSB 37-GP-56M AND ASTM 6164. STYRENE-BUTADIENE-STYRENE (SBS) ELASTOMERIC POLYMER, PREFABRICATED SHEET, POLYESTER
- REINFORCEMENT SELF-ADHESIVE MEMBRANE
- CAP SHEET: - TO CGSB 37-GP-56M THERMOFUSIBLE, STYRENE-BUTADIENE-STYRENE (SBS) ELASTOMERIC POLYMER, PREFABRICATED SHEET, POLYESTER
- REINFORCEMENT, WEIGHING 250 g/m² TOP GRANULE SURFACE, BOTTOM POLYETHYLENE.
- 2. PRIMERS: AS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER.
- BITUMEN: ASPHALT TO CSA A123.4, TYPE 2.
- 4. FLASHING: PREFINISHED ZINC COATED STEEL TO ASTM 4653 GRADE A WITH NOMINAL
- BASE STEEL THICKNESS OF 24 GA. BAKED ENAMEL FINISH
- HOOK STRIPS: 18 GA GALVANIZED STEEL
- FASTENERS: COLOUR MATCHED SCREWS 5. INSTALLATION:
- DO ALL ROOF WORK IN ACCORDANCE WITH MANUFACTURER'S
- INSTRUCTIONS AND CRCA STANDARDS. REMOVE EXISTING GRANULAR LAYER
- MECHANICALLY FASTEN BASE LAYER TO EXISTING WOOD DECKING WITH
- FASTENERS RECOMMENDED BY MEMBRANE MANUFACTURER. - INSTALL FLASHING AND STRIPPING MEMBRANES ALONG CURBS AND
- PARAPET JUNCTIONS.
- INSTALL THERMOFUSIBLE CAP SHEET. INSTALL FLASHING IN MINIMUM 10 FOOT LENGTHS C/W COLOUR-MATCHED
- SEAL ALL JOINTS WITH SILICONE SEALANT.

STEEL DOORS AND FRAMES

- 1. HOT DIPPED GALVANIZED STEEL SHEET: TO ASTM A653M, Z275 COATING. 2. REINFORCEMENT CHANNELS: TO CSA G40.20/G40.21, TYPE 44W, COATING
- DESIGNATION TO CAN/CGSB-19.24. DOORS:
- FACE SHEETS: 1.2mm (18 GA.)BASE METAL THICKNESS.
- 4. FABRICATION:
 - FABRICATE DOORS WITH LONGITUDINAL EDGES CONTINUOUSLY WELDED. SEAMS: GRIND WELDED JOINTS TO A FLAT PLANE, FILL WITH METALLIC
 - PASTE FILLER AND SAND TO UNIFORM SMOOTH FINISH. BLANK, REINFORCE, DRILL DOORS AND TAP FOR TEMPLATED HARDWARE. PROVIDE FLUSH STEEL TOP CAP.
- FRAMES: - 1.6mm (16 GA.) FULLY WELDED CONSTRUCTION.
- FABRICATION:
 - WELDING IN ACCORDANCE WITH CSA W59. GRIND WELDED JOINTS AND CORNERS TO A FLAT PLANE, FILL WITH
- METALLIC PASTE FILLER AND SAND TO UNIFORM SMOOTH FINISH BLANK, REINFORCE, DRILL DOORS AND TAP FOR TEMPLATED HARDWARE. REINFORCE FRAMES FOR SURFACE MOUNTED HARDWARE.
- PREPARE FRAMES FOR DOOR SILENCER, 3 PER DOOR.
- 7. HARDWARE: 114x101 26D STANLEY HINGES D10S PASSAGE SET RHO 626 SCHLAGE

CLOSER 4011

26D LCN

ROOF EQUIPMENT HATCH:

- DESIGN PRODUCT: TYPE D ROOF HATCH BY BILCO CO. OR APPROVED SUBSTITUTE.
- 1. SIZE: APPROXIMATELY 1650x2150 (5'-5" x 7'-0") FIELD CONFIRM.
- 2. DOUBLE LEAF, ALUMINUM CONSTRUCTION.
- 3. FULLY INSULATED SANDWICH PANEL LID AND CURB.
- 4. COVERS SHALL BE REINFORCED TO SUPPORT A MINIMUM LIVE LOAD OF 40 PSF (195 kg/m2) WITH A MAXIMUM DEFLECTION OF 1/150TH OF THE SPAN OR 20 PSF (97 kg/m2) WIND UPLIFT.
- 5. ENTIRE HATCH SHALL BE WEATHER TIGHT WITH FULLY WELDED CORNER
- JOINTS ON COVERS AND CURB.
- HARDWARE:
- HEAVY PINTLE HINGES SHALL BE PROVIDED.
- COVERS SHALL BE EQUIPPED WITH AN ENCLOSED TWO POINT SPRING LATCH WITH INTERIOR AND EXTERIOR TURN HANDLES.

ROOF PLAN

- COVERS SHALL AUTOMATICALLY LOCK IN THE OPEN POSITION WITH A RIGID HOLD OPEN ARM EQUIPPED WITH A 1" (25MM) DIAMETER RED VINYL GRIP HANDLE TO PERMIT EASY RELEASE FOR CLOSING.
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SEALANTS:

- 1. MULTICOMPONENT URETHANES (FOR CONCRETE AND MASONRY)
- TO CAN/CGSB-19.24.
- 2. ONE-PART SILICONES (FOR METAL) TO CAN/CGSB-19.13.
- 3. ACRYLIC LATEX PAINTABLE (FOR GYPSUM BOARD) TO CAN/CGSB-19.17.
- 4. ACOUSTIC SEALANT (VAPOUR BARRIER SEALING) - TO CAN/CGSB-19.21.

PAINTING:

- COLOURS TO BE SELECTED.
- GYPSUM BOARD:
- MPI SYSTEM INT 9.2A, PREMIUM GRADE, GLOSS LEVEL 5.
- 2. GALVANIZED AND ZINC COATED METAL: MPI SYSTEM INT 5.3A, PREMIUM GRADE, GLOSS LEVEL 2 OR 3.
- CONCRETE WALLS: - MPI SYSTEM INT 3.1A, PREMIUM GRADE, GLOSS LEVEL 3.

Winnipeg

ARCHITECTURAL

PLANS AND SPECIFICATIONS

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

BALTIMORE FLOOD PUMPING STATION UPGRADES

SHEET OF 23 B0001

CITY DRAWING NUMBER



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SUPR. U/G STRUCTURES DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE **EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BI** OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

- INTERIOR AND EXTERIOR PADLOCK HASPS. LOCATION APPROVED ELEV. F.B. **TETRA TECH** UNDERGROUND STRUCTURES 18.08.02 M. J. SCERBO DESIGNED DLP CHECKED BY DRAWN BY APPROVED EV RELEASED FOR CONSTRUCTION HOR. SCALE: AS NOTED CONSULTANT DRAWING NO. **VERTICAL** ISSUED FOR TENDER 18.08.02 MS 1800120700-DWG-B0001 NO. REVISIONS DATE BY DATE DATE

