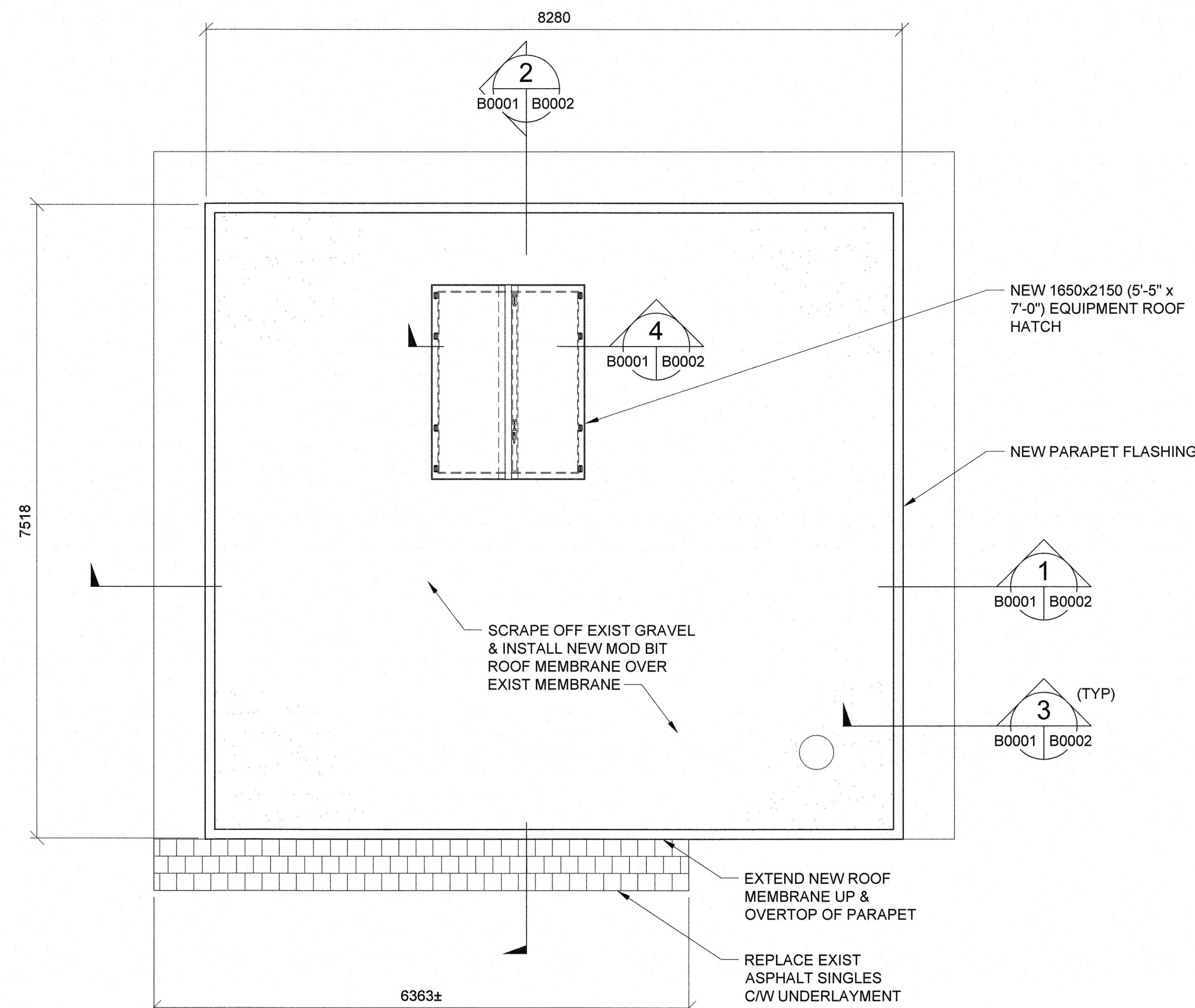


1 MOTOR FLOOR PLAN
1 : 50



2 ROOF PLAN
1:50

1. 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.
2. 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
3. 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/CSB-51.20-M87, TYPE 2
 - THICKNESS AS INDICATED
5. VAPOUR BARRIER:
 - 6 MIL POLYETHYLENE, TO CAN/CSB-51.34 M86

1. 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.
3. 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 BACKER.
 - SEAL ALL JOINTS WITH SILICONE SEALANT.

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.
3. 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.
5. FRAMES:
 - 1.6mm (16 GA.) FULLY WELDED CONSTRUCTION.
6. 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:

- HINGES	CB179	114x101	26D	STANLEY
- PASSAGE SET	D10S	RHO	626	SCHLAGE
- CLOSER	4011		26D	LCN

- 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.
6. HARDWARE:
 - HEAVY PINTLE HINGES SHALL BE PROVIDED.
 - COVERS SHALL BE EQUIPPED WITH AN ENCLOSED TWO POINT SPRING LATCH WITH INTERIOR AND EXTERIOR TURN HANDLES.
 - INTERIOR AND EXTERIOR PADLOCK HASPS.

1. 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
3. CONCRETE WALLS:
 - MPI SYSTEM INT 3.1A, PREMIUM GRADE, GLOSS LEVEL 3.



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LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES
COMMITTEE

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 BE
OBTAINED FROM THE INDIVIDUAL UTILITIES
BEFORE PROCEEDING WITH CONSTRUCTION

[illegible]

TETRA TECH

DESIGNED BY DLP	CHECKED BY <i>22</i>
DRAWN BY EV	APPROVED BY
HOR. SCALE: VERTICAL: AS NOTED	RELEASED FOR CONSTRUCTION
DATE	DATE



CONSULTANT DRAWING NO.
1800120700-DWG-B0001



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

BALTIMORE FLOOD PUMPING STATION UPGRADES

ARCHITECTURAL PLANS AND SPECIFICATIONS

CITY DRAWING NUMBER

SHEET 2 OF 23

B0001