

BUILDING SPECIFICATIONS:

1.0 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:
 - INTERIOR LINER PANEL
 - INSULATION
 - STEEL DOORS AND FRAMES
 - DOOR HARDWARE
 - OVERHEAD DOOR OPERATORS
 - EXPLOSION VENTS

2.0 EXTERIOR WALLS AND ROOF:

- INTERIOR LINER PANEL:
 - ZINC-COATED SHEET STEEL: COMMERCIAL QUALITY TO ASTM A653/A653M, WITH Z275 DESIGNATION ZINC COATING.
 - PREFINISH STEEL WITH FACTORY-APPLIED HIGH MOLECULAR WEIGHT POLYESTER (HMP) OR FLUOROCARBON COATING.
 - DESIGN PROFILE: VICWEST "DIAMOND-RIB"
 - BASE METAL THICKNESS: 0.61mm (24 GA) THICKNESS
 - COLOUR: TO BE SELECTED BY THE CITY FROM MANUFACTURER'S STANDARD COLOUR RANGE.
- INSULATION (WALL AND ROOF):
 - SEMI-RIGID, MINERAL WOOL SIZED TO FIT FRAMING SPACING.
 - MINIMUM DENSITY: 45 kg/m³
 - INSTALL TO FILL CAVITY FULL THICKNESS AND HEIGHT.
 - ACCEPTABLE PRODUCTS: "ROXUL AFB".
- SHEET VAPOUR RETARDER:
 - 0.25mm (10 MIL) POLY TO CAN/CGSB-51.33-M80, TYPE 1.
 - JOINTS AND PENETRATIONS TO BE OVERLAPPED MINIMUM 150mm AND SEALED WITH SEALING TAPE OR ACOUSTIC SEALANT.
- GYPSTUM BOARD (AT INTERIOR ROOMS):
 - CSA A82.27 PLAIN, SQUARE CUT ENDS, TAPERED EDGES, PAPER FACED, 16mm THICK.
 - INSTALL HORIZONTALLY IN WALLS.
 - FASTEN TO STEEL STUDS USING No. 10 FLAT HEAD, SELF-TAPPING, TYPE A OR TYPE AB, CADMIUM PLATED SCREWS TO CSA B35.3.
 - TAPE AND FILL JOINTS, FILL SCREW HEAD, TO PROVIDE SMOOTH FINISHED SURFACE TO AWC/ INTERNATIONAL RECOMMENDED SPECIFICATION ON LEVELS OF GYPSTUM BOARD FINISH - LEVEL 2.
- STEEL GIRTS:
 - GALVANIZED METAL, 1.5mm (16 GA) 152mm (6") DEEP.

3.0 INTERIOR WALLS AND ROOF:

- STEEL FRAMING SYSTEM:
 - STEEL STUDS, JOISTS AND TRACKS TO BE ROLLED FORMED FROM HOT-DIPPED GALVANIZED STEEL SHEET.
 - PROVIDE 16 GA CONTINUOUS BRIDGING CHANNELS IN WALL AND CEILING FRAMING AT MAXIMUM 1200 O.C.
 - EXTERIOR WALLS: 152mm X 0.91 (20 GA)
 - INTERIOR WALLS: 92mm X 0.91 (20 GA)
 - INTERIOR ROOF JOISTS: 152mm X 1.2 (18 GA)
- INTERIOR WALL 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: 13mm STANDARD
 - FIRE RATED: 19mm "TYPE X"
 - WASHROOMS: 13mm "AQUA BOARD"
- PLYWOOD:
 - TO CSA 0121-M1978 DFP OR CSA 0157-M1978 CSP
 - 16mm (5/8") THICK
- RUBBER BASE:
 - 102mm (4") HIGH, CONTINUOUS RUBBER BASE
 - COLOUR: BLACK
 - ADHESIVE AS RECOMMENDED BY BASE SUPPLIER

4.0 STEEL DOORS AND FRAMES

- HOT DIPPED GALVANIZED STEEL SHEET: TO ASTM A653M, Z275 COATING.
- REINFORCEMENT CHANNEL: TO CSA G40.20/G40.21, TYPE 44W, COATING DESIGNATION TO ASTM A653M, Z275 COATING.

- DOORS:
 - FACE SHEETS: 1.2mm (18 GA) BASE METAL THICKNESS.
- FABRICATION:
 - FABRICATE INTERIOR DOORS WITH HONEYCOMB CORE
 - FABRICATE DOORS WITH LONGITUDINAL EDGES CONTINUOUSLY WELDED.
 - SEAMS: GRIND WELDED JOINTS TO A FLAT PLANE, FILL WITH METALLIC PASTE FILLER AND SAND TO A UNIFORM SMOOTH FINISH
 - BLANK, REINFORCE, DRILL DOORS AND TAP FOR TEMPLATED HARDWARE
 - PROVIDE FLUSH STEEL TOP CAP
- FRAMES:
 - 16 GA FULLY WELDED CONSTRUCTION.
- FABRICATION:
 - BLANK, REINFORCE, DRILL AND TAP FRAMES FOR HARDWARE USING TEMPLATES PROVIDED BY FINISH HARDWARE SUPPLIER.
 - REINFORCE FRAMES FOR SURFACE MOUNTED HARDWARE
 - PREPARE FRAME FOR DOOR SILENCERS, 3 PER DOOR
 - WELDING IN ACCORDANCE WITH CSA W59
 - GRIND WELDED JOINTS AND CORNERS TO A FLAT PLANE, FILL WITH METALLIC PASTE AND SAND TO UNIFORM SMOOTH FINISH

5.0 DOOR HARDWARE:

- ALL LOCKS TO BE PROVIDED WITH "MEDECO" CYLINDERS AND KEYED TO MATCH EXISTING DOORS AND THE CITY'S REQUIREMENTS.

1. DOOR 101 (SINGLE DOOR, 1.5 HR F.R.)				
HINGES	CB179	114x101	26D	STANLEY
PASSAGE SET	D10S	PLY	626	SCHLAGE
DEADBOLT	B860		626	SCHLAGE
CLOSER	4011		26D	LCN
WEATHERSTRIP	W13		AL	K.N. CROWDER
SWEEP	W13S		AL	K.N. CROWDER
2. DOOR 102 & 103 (SINGLE DOOR)				
HINGES	CB179	114x101	26D	STANLEY
PASSAGE SET	D10S	PLY	626	SCHLAGE
DEADBOLT	B860		626	SCHLAGE
CLOSER	4011		26D	LCN
WALL STOP	60C		26D	GLYNN-JOHNSON
KICK PLATE	K10A	10"	630	STANDARD METAL
3. DOOR 104 (SINGLE DOOR)				
HINGES	CB179	114x101	26D	STANLEY
LOCKSET	D53PD	PLY	626	SCHLAGE
CLOSER	4011		26D	LCN
WALL STOP	60C		26D	GLYNN-JOHNSON
4. DOOR 105 & 106 (SINGLE DOOR)				
HINGES	CB179	114x101	26D	STANLEY
LOCKSET	D40S	PLY	626	SCHLAGE
CLOSER	4011		26D	LCN
WALL STOP	60C		26D	GLYNN-JOHNSON
KICK PLATE	K10A	10"	630	STANDARD METAL

6.0 OVERHEAD DOOR (OPERATORS ONLY):

- EXISTING DOORS ARE MANUALLY OPERATED COUNTER-WEIGHTED OVERHEAD DOORS. NEW ELECTRIC OPERATORS SHALL BE INSTALLED - BY INSTALLER EXPERIENCED AND QUALIFIED TO WORK WITH COUNTER-WEIGHTED DOORS.

- OPERATOR:
 - 3/4 HP/208V/3PH JACK SHAFT OPERATOR C/W MANUAL DISCONNECT AND "OPEN/CLOSE/STOP" WALL CONTROL.
 - INCLUDE WIRING MODIFICATIONS TO REMOVE INTERNAL LIMITS AND ADD 3 EXTERNAL LIMITS.
 - INSTALLATION TO INCLUDE NEW STEEL DOUBLE CABLE PULLEY WITH SPROCKET AND TRANSAXLE MECHANISM TO CONNECT PULLEY/SPROCKET TO OPERATOR.
 - ACCEPTABLE PRODUCTS: MANARAS "OPJ" AS DISTRIBUTED BY HANOVER DOOR SYSTEMS, STEINBACH, MANITOBA.
- CONTROLS:
 - LIMIT SWITCHES: TELEMECANIQUE ZCK TYPE.
 - REMOTE CONTROL: LIFTMASTER "312" RECEIVER AND "372" TRANSMITTER.
 - PHOTO EYE SAFETY SYSTEM: ALLEN BRADLEY GRU 24V, REFLECTOR TYPE.

7.0 SEALANTS:

- MULTICOMPONENT URETHANES (FOR CONCRETE AND MASONRY)
 - TO CAN/CGSB-19.24.
- ONE-PART SILICONES (FOR METAL)
 - TO CAN/CGSB-19.13.
- ONE-PART SILICONES - MILDEW RESISTANT (FOR WASHROOMS)
 - TO CAN/CGSB-19.22.
- ACRYLIC LATEX - PAINTABLE (FOR GYPSUM BOARD)
 - TO CAN/CGSB-19.17.
- ACOUSTIC SEALANT (UNDER STEEL STUD BOTTOM TRACK)
 - TO CAN/CGSB-19.21.
- BUTYL SEALANT (SETTING ALUMINUM THRESHOLDS).
 - TO CGSB 19-GP-14M.

8.0 PAINTING:

- COLOURS TO BE SELECTED

INTERIOR:

- GYPSUM BOARD:
 - MPI SYSTEM INT 9.2A, PREMIUM GRADE, GLOSS LEVEL 5.
- GALVANIZED AND ZINC COATED METAL:
 - MPI SYSTEM INT 5.3A, PREMIUM GRADE, GLOSS LEVEL 2 OR 3.

EXTERIOR:

- GALVANIZED AND ZINC COATED METAL:
 - MPI SYSTEM EXT 5.1C, PREMIUM GRADE, GLOSS LEVEL 3.
- CONCRETE BLOCK:
 - MPI SYSTEM EXT 4.2C, PREMIUM GRADE, GLOSS LEVEL 3.

9.0 LOCKERS:

- PEDESTAL BASE LOCKERS C/W 45mm (1 3/4") SQUARE STEEL TUBING, WELDED PEDESTAL AND CONTINUOUS WOODEN BENCH.

- BODY:
 - FABRICATED OF MINIMUM 0.60mm (24 GA) SHEET STEEL TO ASTM-A366 WITH CONTINUOUS LOCK FORMING.
- FRAME:
 - MINIMUM 1.6mm (16 GA) FORMED STEEL CHANNEL, WELDED TO FORM ONE-PIECE CONSTRUCTION.
 - INCLUDE THREE 1.8mm (14 GA) 5-KNUCKLE HINGES.
- DOORS:
 - MINIMUM 0.91mm (20 GA) OUTER PANEL AND 0.61mm (24 GA) INNER PANEL, FULLY WELDED WITH HONEYCOMB CORE.
 - DOORS TO BE LOUVERED TOP AND BOTTOM AND SUPPLIED WITH RECESSED HANDLE BOX TO ACCEPT LOCKING DEVICE AND TWO RUBBER BUMPERS.
- HANDEL BOX:
 - CHROME-PLATED STEEL-INSET FLUSH WITH DOOR FACE-NUMBER PLATES INSET IN FINGER PULL.
- ACCEPTABLE PRODUCT:
 - SHANAHAN'S "S.M.L. DELUXE"
- COLOUR:
 - TO BE SELECTED BY THE CITY FROM MANUFACTURER'S STANDARD COLOUR RANGE.

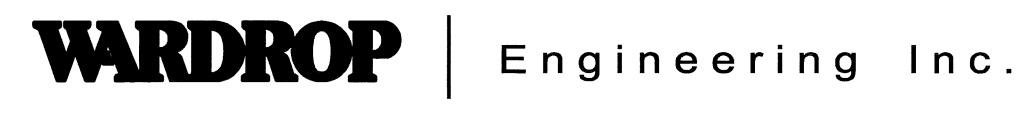
10.0 WASHROOM ACCESSORIES:

- PROVIDE THE FOLLOWING FOR EACH WASHROOM.

- MIRROR
 - 460x760 (18"x30") CHANNEL FRAME
 - "BOBRICK" - MODEL B-165 1830
- SOAP DISPENSER
 - SURFACE MOUNTED
 - "BOBRICK" - MODEL B-4112
- PAPER TOWEL DISPENSER
 - SURFACE MOUNTED
 - "BOBRICK" - MODEL B-263
- WASTE RECEPTACLE
 - SURFACE MOUNTED
 - "BOBRICK" - MODEL B-279
- TOILET TISSUE DISPENSER
 - SURFACE MOUNTED
 - "BOBRICK" - MODEL B-2740

11.0 EXPLOSION VENTS:

- EXPLOSION VENTS SHALL BE INSTALLED ON WALLS OF EXTERIOR PAINT STORAGE SHED (SEE DWG S0003)
- VENTS SHALL BE PREFABRICATED AND FACTORY MUTUAL (FM) APPROVED.
- VENTS SHALL BE DESIGNED AND CALIBRATED TO OPEN AT 1.2 kPa INTERIOR PRESSURE.
- FINISH:
 - PRE-PAINTED "KYNAR 500"
 - COLOUR TO BE SELECTED
- ACCEPTABLE PRODUCT:
 - "EXPLOVENT" AS MANUFACTURED BY THE C/S GROUP

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CLIENT			
CITY OF WINNIPEG PUBLIC WORKS TRAFFIC SERVICES			
			
PROJECT NAME			
RENOVATIONS FOR PAVEMENT MARKING OPERATIONS FACILITY			
DRAWING DESCRIPTION			
BUILDING SPECIFICATIONS			
DESIGNED BY:	D.L.P.	DRAWN BY:	E.V.
APPROVED BY:		CHECKED BY:	
SCALE:	AS NOTED	DATE:	09.02.04
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