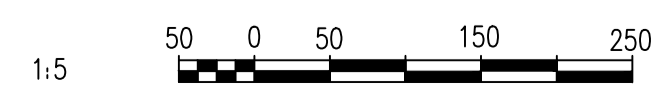


BILL OF MATERIAL				
ITEM	QTY.	DESCRIPTION	MANUFACTURER	CATALOG NO.
1	1	NETWORKING CABINET, 84"x30"x32", WITH DOORS - FRONT AND REAR, AND RAILS - FRONT AND REAR	HUBBELL	H1N84E
2	3	ADJUSTABLE DIN RAIL FRAME	STARTTECH	ADJINKIT
3	1	PATCH PANEL, CAT6, 24 PORTS	HUBBELL	P624U
4	1	PATCH PANEL, FIBER, WITH 3x6 CONNECTOR FSP ADAPTOR PANEL	HUBBELL	FPR3SP FSPLC6
5	4	WIRE MANAGEMENT	HUBBELL	-
6	2	ETHERNET SWITCH, 9G PORTS WITH 2x1000 BASE-SX SFP MODULES	MOXA	EDS-G509 SFP-1GSXLC
7	2	POWER STRIP, VERTICAL	HUBBELL	PR104
8	2	OUTLET BOX, SINGLE GANG	-	-

CONSTRUCTION NOTES	
1	INSTALL BACK PLATE IN CABINET AND MOUNT JBP-NP-M1 ON BACK PLATE.
2	INSTALL LAMACOID "NP-M1" ON FRONT AND REAR DOORS.

NOTES:

- PANEL IS TO BE CONSTRUCTED BY A PANEL SHOP AND BE CSA CERTIFIED.
- WHERE MANUFACTURER AND MODEL ARE SPECIFIED, SUBSTITUTIONS MUST BE APPROVED.
- ALL POWER WIRING TO BE TEW/MTW 600V, 105°C INSULATION, STRANDED COPPER, 12 AWG.
- TEST ALL WIRING AND COMPONENTS FOR FUNCTIONAL OPERATION, CORRECT CONNECTION, CONTINUITY AND INSULATION INTEGRITY.
- ALL MAJOR COMPONENTS INSIDE THE PANEL ARE TO BE LABELED WITH LAMACOIDS IN ACCORDANCE WITH MAJOR DESCRIPTIONS ON THE DRAWINGS.
- PROVIDE WIRE BARREL FERULES FOR THE WIRING.
- MARK ALL WIRES AS SHOWN ON THE DRAWINGS.
- 120VAC WIRING INTO POWER DISTRIBUTION PANEL IS TO BE AC90 OR INSTALLED IN CONDUIT.



1-0102M-A0016	PANEL LAYOUT, NP-M1.JBP
1-0102M-A0014	ADMIN BUILDING ETHERNET BLOCK DIAGRAM
DRAWING NUMBER	REFERENCE DRAWINGS

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER	2010/10/01	TMC	CJR

 SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080	
DESIGNED BY: T. CHURCH	CHECKED BY: C. REIMER
DRAWN BY: S. COATES	APPROVED BY: C. REIMER
SCALE: AS SHOWN	RELEASED FOR CONSTRUCTION BY: J. VEILLEUX
DATE: 2010/08/19	DATE: 2010/10/01
CONSULTANT NO.: 112577-0112-480D-0308	

ENGINEER'S SEAL
ORIGINAL DRAWING
SEALED BY:
T. CHURCH
SNC-LAVALIN INC.
2010/10/01
REV. 00

 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT			
SOUTH END WATER POLLUTION CONTROL CENTRE HEADWORKS UPGRADES PANEL LAYOUT NP-M1			
CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102M-A0015	001	00	A1