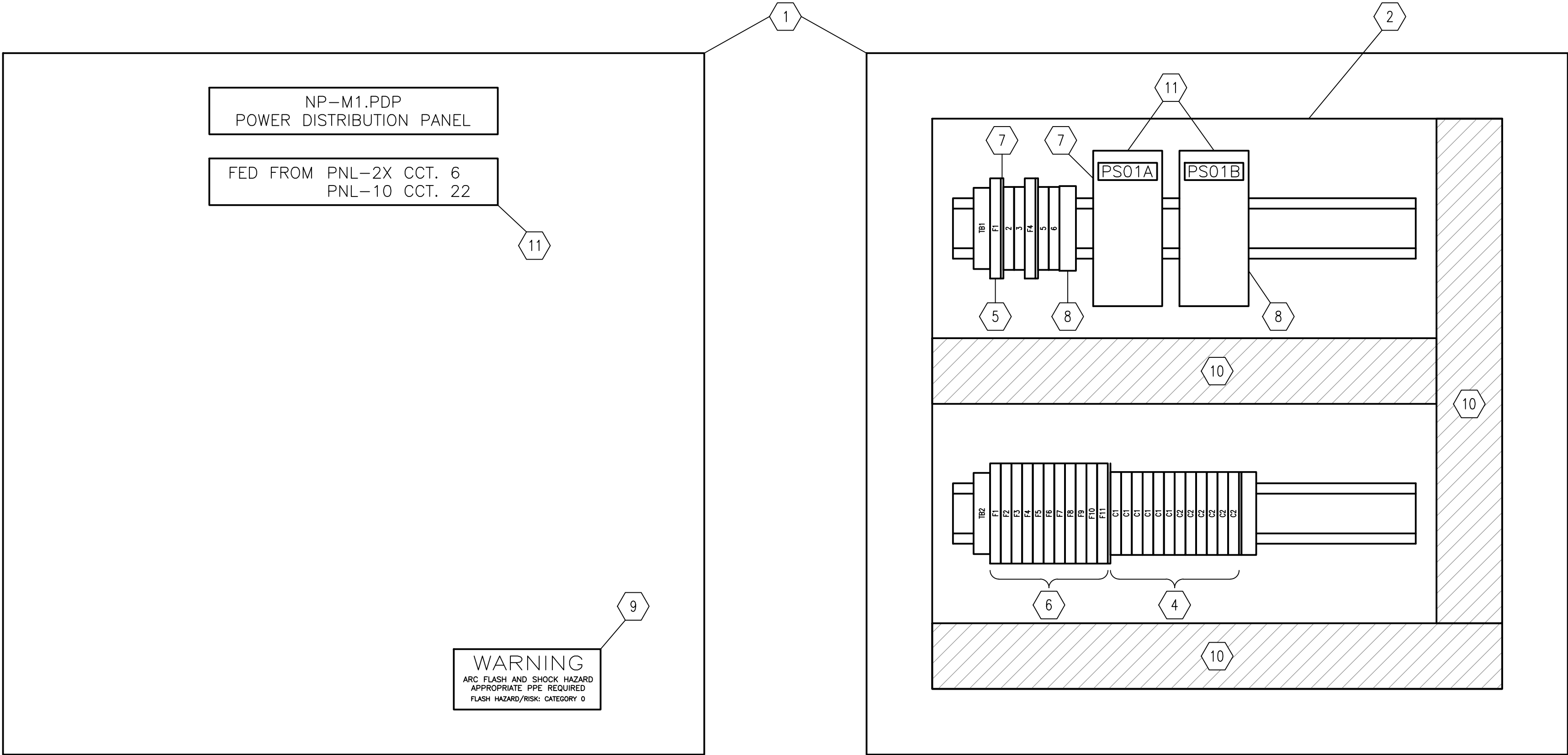


LAST SAVE: 2010/10/05 - 11:53am
 PATH: M:\112577\0112\4ENG\48&C\DD - General DWG\1-0102M-A0016-001-00.dwg
 A1 SIZE - 594mm x 841mm



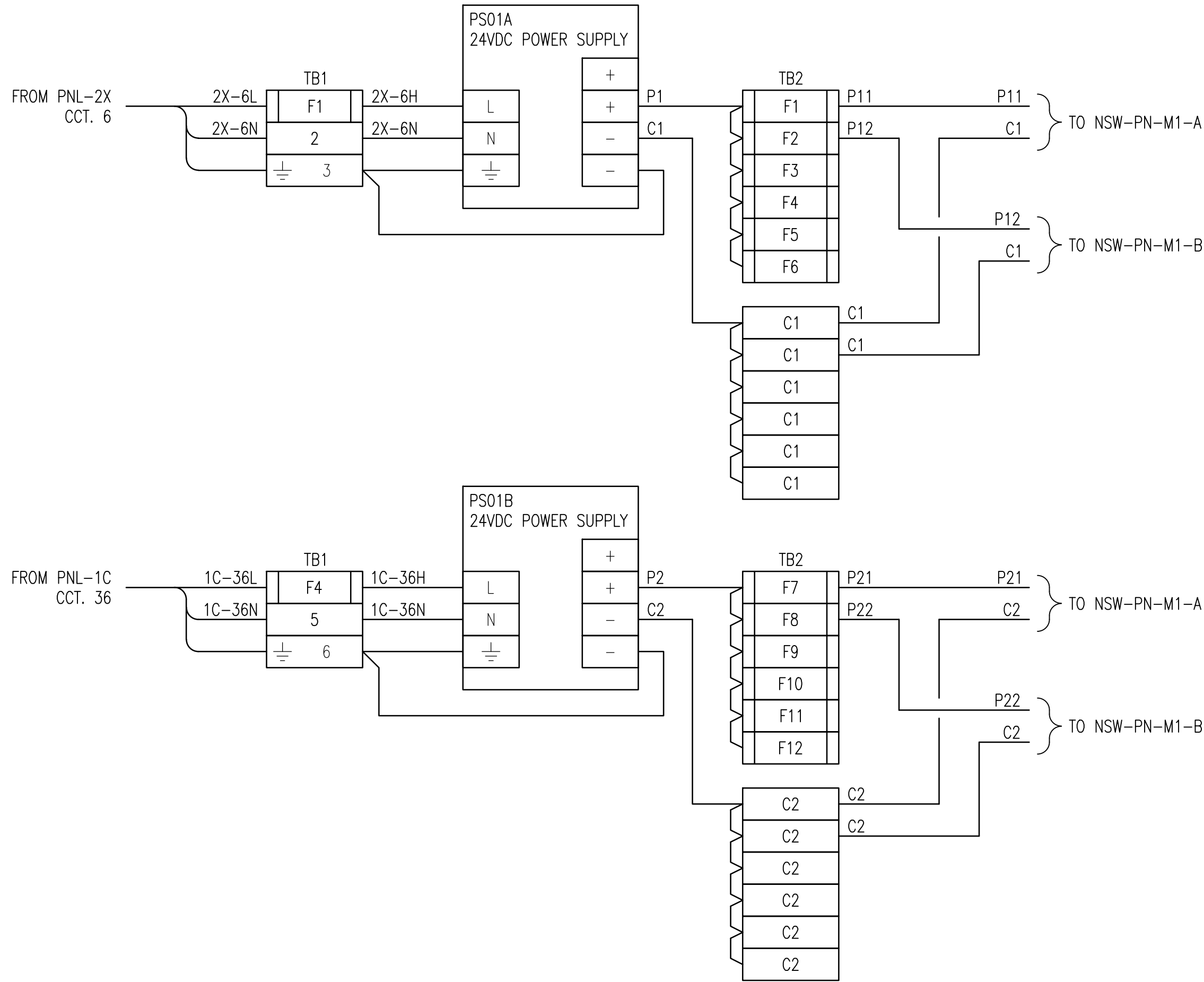
FRONT VIEW

SCALE: 1 : 2

REAR VIEW

SCALE: 1 : 2

WIRING DIAGRAM:



BILL OF MATERIAL				
ITEM	QTY.	DESCRIPTION	MANUFACTURER	CATALOG NO.
1	1	NEMA 12 ENCLOSURE, HINGED DOOR - 406x406x152	HOFFMAN	A161606LP
2	1	BACK PLATE FOR ITEM 1	HOFFMAN	A16P16
3	2	24VDC POWER SUPPLY, 120W	SOLA HD	SDN 5-24-100C
4	14	UT-4 TERMINAL BLOCK, GREY	PHOENIX CONTACT	3044102
	AS REQ.	TERMINAL BLOCK END PLATE	PHOENIX CONTACT	3047167
	AS REQ.	TERMINAL MARKER	PHOENIX CONTACT	1051003
5	2	FUSE TERMINAL, 120 VAC, LED, C/W 2A FUSE	PHOENIX CONTACT	3046100
6	12	FUSE TERMINAL, 24 VDC LED, C/W 1A FUSE	PHOENIX CONTACT	3046090
7	2	UT-4 GROUND TERMINAL BLOCK	PHOENIX CONTACT	3044128
8	AS REQ.	TERMINAL END HOLDER	PHOENIX CONTACT	0800866
9	1	ARC FLASH STICKER OR LAMACOID	-	-
10	AS REQ.	WIRING DUCT - 1.5" NARROW SLOT	PANDUIT	F1.5x2LG6 C1.5LG6
11	AS REQ.	PHENOLIC TYPE NAMEPLATE C/W 0.35mm (1/4") LETTERING	-	-



FUSE SCHEDULE			
TB	IDENTIFIER	TYPE	RATING
TB1	F1	5x20	2A, FAST ACTING
	F4	5x20	2A, FAST ACTING
TB2	F1	5x20	1A, FAST ACTING
	F2	5x20	1A, FAST ACTING
	F3	5x20	1A, FAST ACTING
	F4	5x20	1A, FAST ACTING
	F5	5x20	1A, FAST ACTING
	F6	5x20	1A, FAST ACTING
	F7	5x20	1A, FAST ACTING
	F8	5x20	1A, FAST ACTING
	F9	5x20	1A, FAST ACTING
	F10	5x20	1A, FAST ACTING
	F11	5x20	1A, FAST ACTING
	F12	5x20	1A, FAST ACTING

NOTES:

- LABEL ALL TERMINAL BLOCKS AS SHOWN ON THE DRAWINGS, COMPLETE WITH GROUP LABELING.
- SUPPLY AND INSTALL ALL REQUIRED FUSES. IN ADDITION, PROVIDE TWO SPARES OF EACH FUSE SIZE.
- 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.

1:5



					 SNC-LAVALIN		SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080		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			
					DESIGNED BY: T. CHURCH	CHECKED BY: C. REIMER		SOUTH END WATER POLLUTION CONTROL CENTRE HEADWORKS UPGRADES PANEL LAYOUT NP-M1.JBP						
					DRAWN BY: S. COATES	APPROVED BY: C. REIMER								
					SCALE: AS SHOWN	RELEASED FOR CONSTRUCTION BY: J. VEILLEUX								
					DATE: 2010/09/09	DATE: 2010/10/01		CITY DRAWING NUMBER 1-0102M-A0016						
00	ISSUED FOR TENDER			2010/10/01	TMC	CJR	SHEET 001							
NO.	REVISIONS			DATE	DESIGN	CHECK	CONSULTANT NO.: 112577-0112-48DD-0309		REV. 00					
									SIZE A1					

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