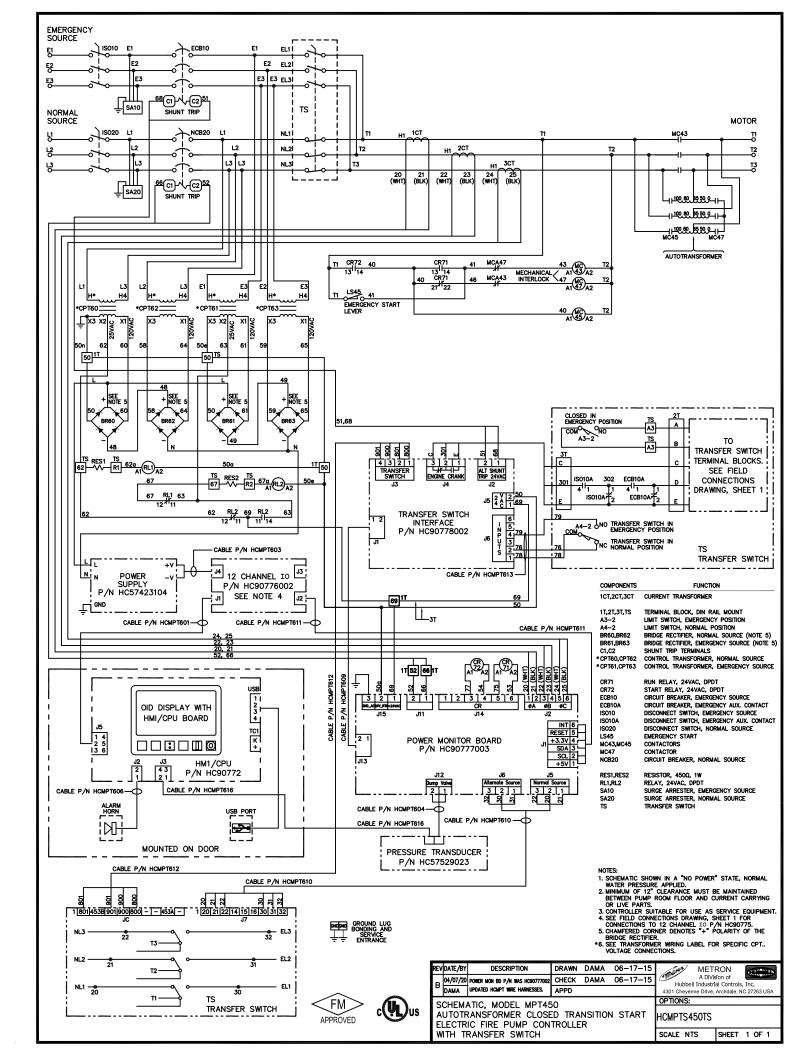
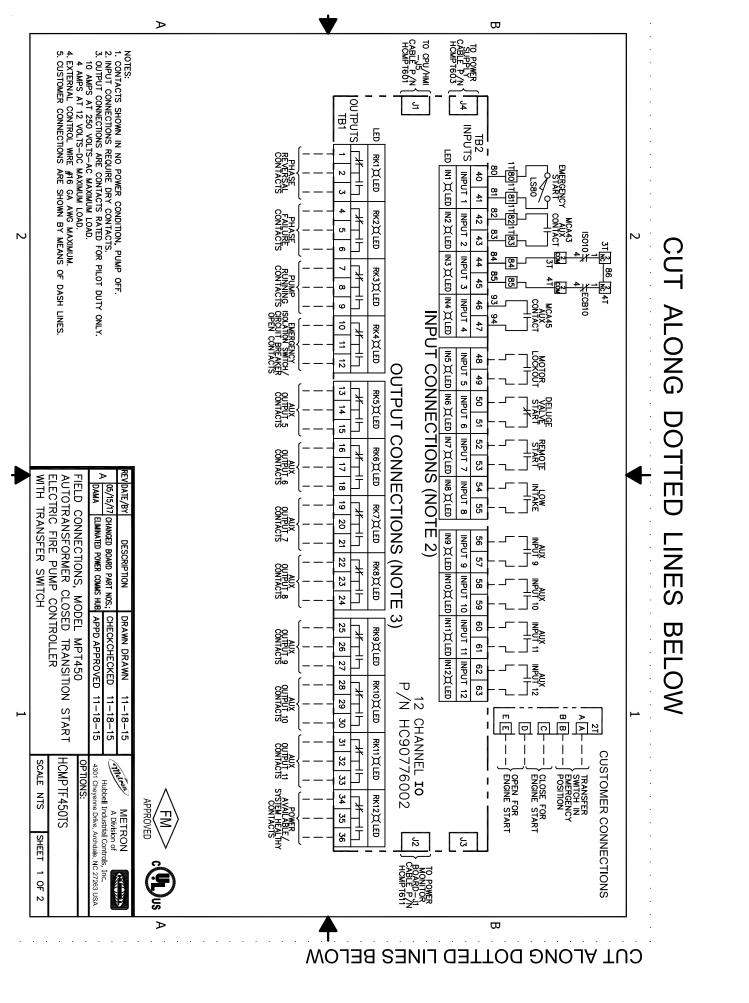
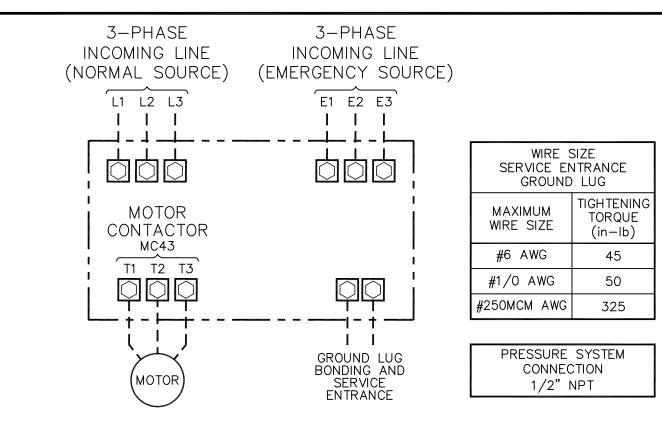


Ą			ENCLOSURE TYPES TYPE 3R CRS (STD) SHOWN	1			DETAIL A	A	
VOLTA	GES	HORSEPOWERS	TYPE 4 CRS		STANDARD PLUMBING				
			TYPE 4X CRS						
208	SV	100-125	TYPE 304 SS (PAINTED)						
230-2	40V	100-125	TYPE 304 SS UNPAINTED						
380-4	15V	150-200	TYPE 316 SS PAINTED						
440-4	80V	200-250	TYPE 316 SS UNPAINTED						
NOTES:				_					
 ENCLOSURE MADE FROM 16GA. STEEL WITH RED POLYESTER POWDER FINISH. ENTER CABLE(S) FROM TOP OR BOTTOM (PREFERRED) 				SELECTION TABLE (CHOOSE FROM TABLES ON LEFT)					
				CONTROLLER TYPE	HP	VOLTAGE	ENCLOSURE TYPE		
 PROTEC 	CT INTERN	AL EQUIPMENT FROM DRILL	ING CHIPS	MPT450TS					
 DIMENS 	SIONS SUB	JECT TO CHANGE WITHOUT	NOTICE. ALWAYS CONSULT	CONTROLLER WITH MTS					
FACTORY TO CONFIRM CURRENT INFORMATION.				(METRON TRANSFER SWITCH) RATING:					
• TYPE 3	• TYPE 3R SHOWN.				DRAWN BY: S		REV. N/A		
• ALL DIMENSIONS IN INCHES. ALL DMENSIONS ARE SAME FOR 3R, 12, 4				DATE: 1/2017	METDON		DRAWING NO.		
AND 4X	ENCLOSU	RE TYPES.		Division of - Hubbell ICD, Inc.					
 POWER 	• POWER AVAILABLE AND PUMP RUNNING LIGHTS ARE STANDARD				neyenne Drive Archo	MPTD33817			
C:\U	4 sers\sjudd\	OneDrive - HUBBELL INC\MPT	3 Inventor Drawings\MPTD33817.idw	4	2		1		







* LINE TERMINALS - WIRE CAPACITY AND QUANTITY

MAXIMUM MOTOR HORSEPOWER					WIRE SIZE PER PHASE		
200-208V	220-240V	380-415V	440-480V	550-600V	(75°C Cu)	TORQUE (in—lb)	
5-40	5-40	5–75	5–100	_	(1)#8-#3/0 AWG	120	
50-75	50-75	100–125	125–150	_	(1)#3/0-#350MCM AWG	225	
100-125	100-125	150-200	200-250	-	(1)#2/0-#500MCM AWG	375	
100-125					(2)#3/0-#250MCM AWG	275	
150	150-200	250-300	300-400	_	(2)#3/0-#350MCM AWG	275	
200-250	250	350	450-500	_	(3)#3/0-#400MCM AWG	375	
_	_	_	_	_	_	_	

* MOTOR TERMINALS - WIRE CAPACITY AND QUANTITY

	MAXIMUM	MOTOR HOP	RSEPOWER	WIRE SIZE PER PHASE	TIGHTENING TORQUE	
200-208V	220-240V	380-415V	440-480V	550-600V		(in-lb)
5-20	5-20	5-30	5-30	_	(1)#8-#4 AWG	120
25-75	25-75	40-125	40–150	_	(1)#6-#300MCM AWG	275
100-125	100–125	150-200	200–250	—	(1)#350MCM-#500MCM AWG	375
150	150-200	250-300	300-400	_	(2)#4/0-300MCM AWG	275
200-250	250	350-400	500	_	(3)#250MCM-#350MCM AWG	275

NOTES:

* 1.) FOR CORRECT FIELD WIRE SIZING, REFER TO THE NATIONAL ELECTRICAL CODE, NFPA-70.
 2.) MOTOR CONNECTIONS SHOWN ARE TYPICAL. SINCE MOTOR CONNECTIONS VARY WIDELY, REFER TO THE MOTOR MANUFACTURER'S CONNECTION DIAGRAM FOR SPECIFIC WIRING ARRANGEMENT.

rev	DATE/BY	DESCRIPTION	DRAWN DAMA	11-18-15	Melana ME		
с		updated wire capacity and		rision of Controls, Inc.			
DAMA	WRE SIZE TABLES.	APPD			, Archdale, NC 27263 USA		
F		ONNECTIONS MODE	OPTIONS:				
FIELD CONNECTIONS, MODEL MPT450 AUTOTRANSFORMER CLOSED TRANSITION START ELECTRIC FIRE PUMP CONTROLLER WITH TRANSFER SWITCH					HCMPTF450TS		
					SCALE NTS	SHEET 2 OF 2	