CUL US

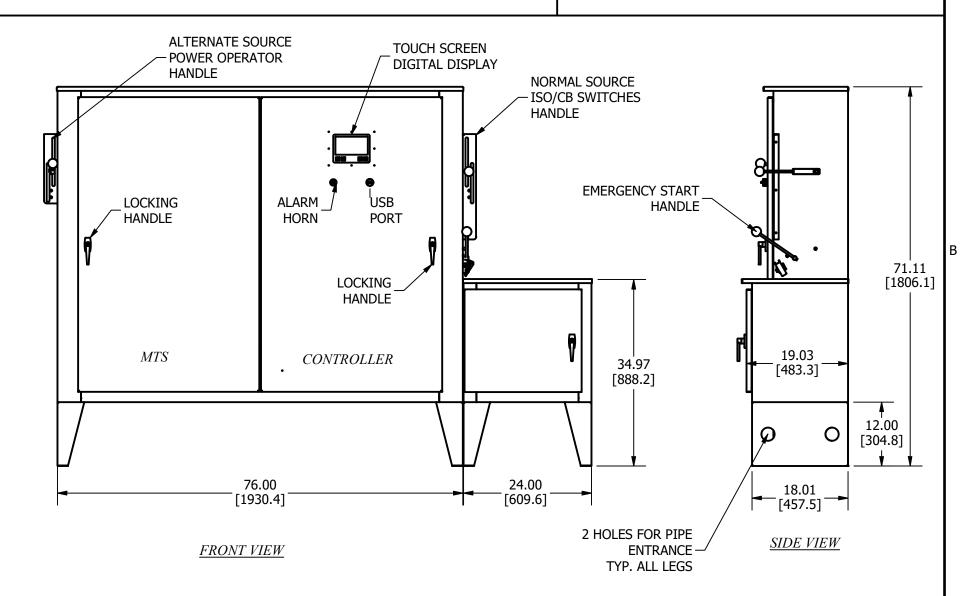
DIMENSIONS & DATA

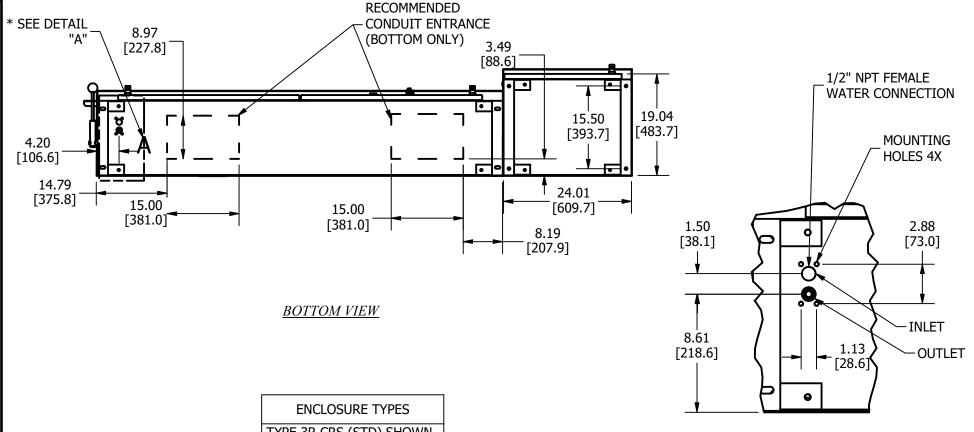
ELECTRIC FIRE PUMP WITH TRANSFER SWTICH





MPT450TS





TYPE 3R CRS (STD) SHOWN TYPE 4 CRS **VOLTAGES HORSEPOWERS** TYPE 4X CRS TYPE 304 SS (PAINTED) 208V 150 230-240V 150-200 TYPE 304 SS UNPAINTED 380-415V 250-300 TYPE 316 SS PAINTED 440-480V TYPE 316 SS UNPAINTED 300-400

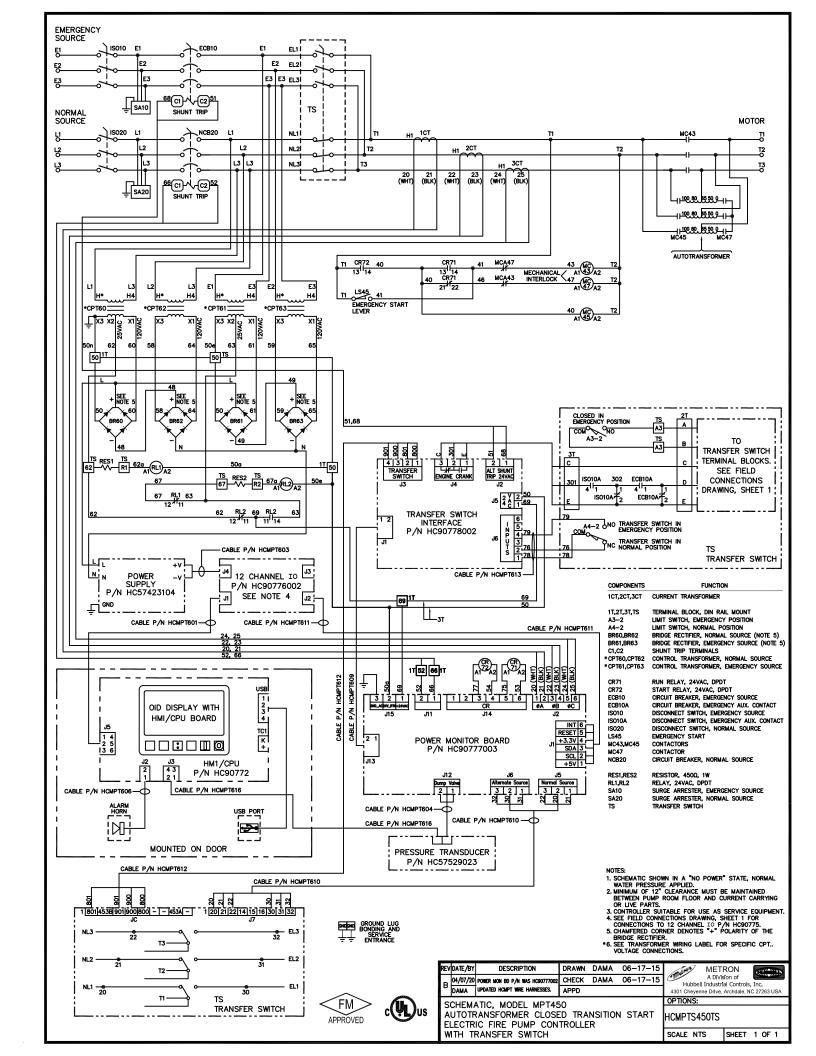
DETAIL A STANDARD PLUMBING

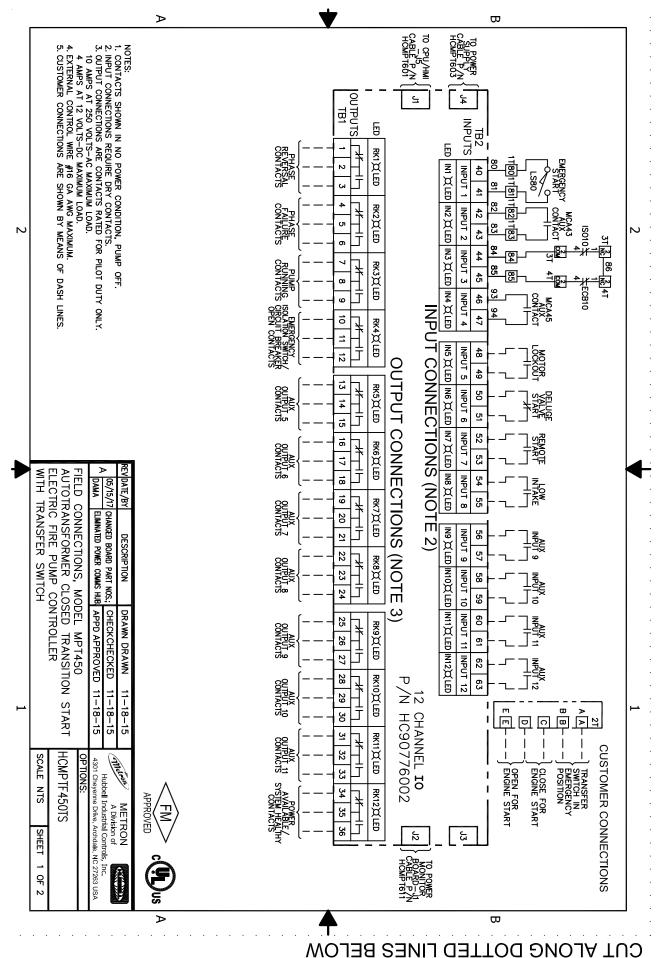
NOTES:

- ENCLOSURE MADE FROM 16GA. STEEL WITH RED POLYESTER POWDER FINISH.
- ENTER CABLE(S) FROM TOP OR BOTTOM (PREFERRED)
- PROTECT INTERNAL EQUIPMENT FROM DRILLING CHIPS
- DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE. ALWAYS CONSULT FACTORY TO CONFIRM CURRENT INFORMATION.
- TYPE 3R SHOWN.
- ALL DIMENSIONS IN INCHES. ALL DMENSIONS ARE SAME FOR 3R, 12, 4 AND 4X ENCLOSURE TYPES.
- POWER AVAILABLE AND PUMP RUNNING LIGHTS ARE STANDARD

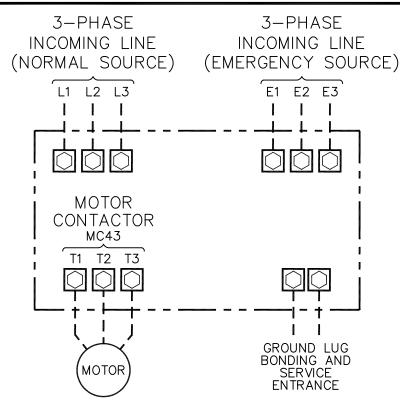
	SELECTION TABLE (CHOOSE FROM TABLES ON LEFT)						
CONTROLLER TYPE		HP VOLTAGE		ENCLOSURE TYPE			
l	MPT450TS						
	CONT (METRON	RATING:					
	DATE: 1/2017	DRAWN BY: S	REV. N/A				
Ī		METRON ision of - Hubbell evenne Drive Archd	ICD, Inc.	DRAWING NO. MPTD33819			

4 C:\Users\sjudd\OneDrive - HUBBELL INC\MPT Inventor Drawings\MPTD33819.idw





CUT ALONG DOTTED LINES BELOW



WIRE SIZE SERVICE ENTRANCE GROUND LUG						
MAXIMUM WIRE SIZE	TIGHTENING TORQUE (in-lb)					
#6 AWG	45					
#1/0 AWG	50					
#250MCM AWG	325					

PRESSURE SYSTEM CONNECTION 1/2" NPT

* LINE TERMINALS - WIRE CAPACITY AND QUANTITY

MAXIMUM MOTOR HORSEPOWER					WIRE SIZE PER PHASE	TIGHTENING TORQUE
200-208V	220-240V	380-415V	440-480V	550-600V	(75°C Cu)	(in-lb)
5-40	5-40	5-75	5 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	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 HORSEPOWER					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		
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.





RE	V DATE/BY	DESCRIPTION	DRAWN DAMA	11-18-15	Moloon	METR		
L		UPDATED WIRE CAPACITY AND	CHECK DAMA	11-18-15	A Division of Hubbell Industrial Controls, Inc.		Inc	
Ľ	DAMA	WIRE SIZE TABLES.	APPD		4301 Cheyenne Drive, Archdale, NC 27263 USA			
Г	FIELD CONNECTIONS, MODEL MPT450 AUTOTRANSFORMER CLOSED TRANSITION START ELECTRIC FIRE PUMP CONTROLLER WITH TRANSFER SWITCH					OPTIONS:		
L						HCMPTF450TS		
١						s s	SHEET	2 OF 2