

| А  |  |                         |     | ENCLOSURE TYPES           |   |  |  |
|--|--|-------------------------|-----|---------------------------|---|--|--|
|  |  |                         | ł   | TYPE 3R CRS (STD) SHOWN   |   |  |  |
|  | VOLTAGES   | HORSEPOWERS             | 1   | TYPE 4 CRS                |   |  |  |
|  |  |                         | 1 [ | TYPE 4X CRS               |   |  |  |
|  | 208V   | 200-250<br>250          |     | TYPE 304 SS (PAINTED)     |   |  |  |
|  | 230-240V   |                         |     | TYPE 304 SS UNPAINTED     |   |  |  |
|  | 380-415V   | 350-400                 | 1 [ | TYPE 316 SS PAINTED       | ] |  |  |
|  | 440-480V   | 500                     |     | TYPE 316 SS UNPAINTED     |   |  |  |
|  | NOTES:<br>• ENCLOSURE MADE FROM 16GA. STEEL WITH RED POLYESTER POWDER FINISH.<br>• ENTER CABLE(S) FROM TOP OR BOTTOM (PREFERRED)<br>• PROTECT INTERNAL EQUIPMENT FROM DRILLING CHIPS<br>• DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE. ALWAYS CONSULT<br>FACTORY TO CONFIRM CURRENT INFORMATION. |                         |     |                           |   |  |  |
|  |  |                         |     |                           |   |  |  |
|  |  |                         |     |                           |   |  |  |
|  |  |                         |     |                           |   |  |  |
|  |  |                         |     |                           |   |  |  |
|  |  |                         |     |                           |   |  |  |
|  | • TYPE 3R SHOWN  | Ι.                      |     |                           |   |  |  |
|  | ALL DIMENSION  | S IN INCHES, ALL DMENSI |     | IS ARE SAME FOR 3R, 12, 4 | D |  |  |
| • ALL DIMENSIONS IN INCHES. ALL DMENSIONS ARE SAME FOR 3R, 12, 4 |  |                         |     |                           |   |  |  |

AND 4X ENCLOSURE TYPES.

• POWER AVAILABLE AND PUMP RUNNING LIGHTS ARE STANDARD



## DETAIL A STANDARD PLUMBING

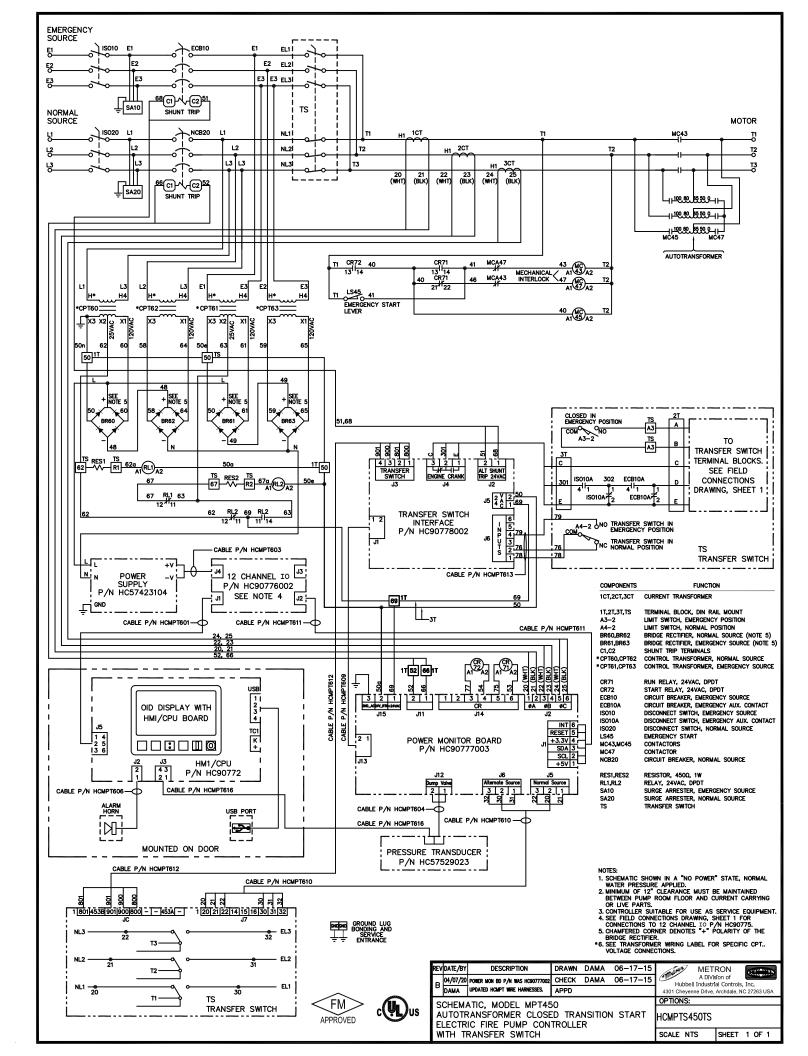
[28.6]

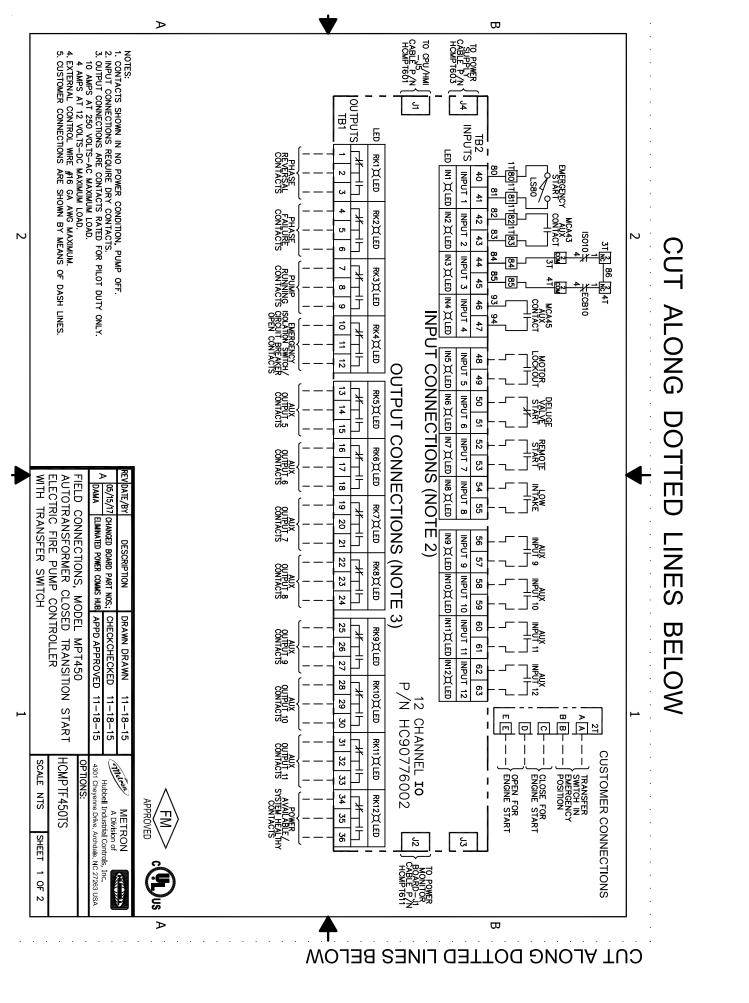
INLETA

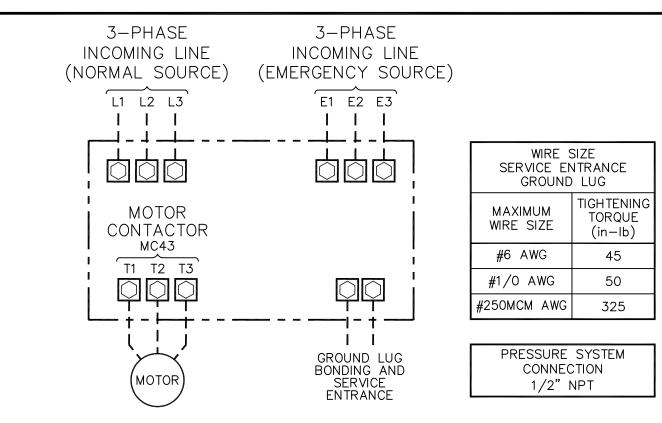
SELECTION TABLE (CHOOSE FROM TABLES ON LEFT)

OUTLET -

|     | CONTROLLER TYPE        | HP                            | VOLTAGE                       | ENCLOSURE TYPE |   |  |  |
|-----|------------------------|-------------------------------|-------------------------------|----------------|---|--|--|
|     | MPT450TS               |                               |                               |                | ] |  |  |
|     | CONTROLI<br>(METRON TR |                               |                               | RATING:        |   |  |  |
| DAT | E: 1/2017 DR           | AWN BY: S                     | . JUDD                        | REV. N/A       |   |  |  |
|     | RELL                   | METRON                        |                               | DRAWING NO.    |   |  |  |
|     | Division               | of - Hubbell<br>e Drive Archo | ICD, Inc.<br>Jale, N.C. 27263 | MPTD34523      |   |  |  |
|     | 4                      | 2                             | I                             | 1              |   |  |  |







## \* LINE TERMINALS - WIRE CAPACITY AND QUANTITY

|          | MAXIMUM  | MOTOR HO | RSEPOWER | WIRE SIZE<br>PER PHASE | TIGHTENING          |                   |
|----------|----------|----------|----------|------------------------|---------------------|-------------------|
| 200-208V | 220-240V | 380-415V | 440-480V | 550-600V               | (75°C Cu)           | TORQUE<br>(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 HORSEPOWER |          |          |          |          | WIRE SIZE<br>PER PHASE | TIGHTENING<br>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.

APPROVED CUUS

| rev  | DATE/BY                   | DESCRIPTION       | DRAWN DAMA  | 11-18-15     |                          | RON COMPANY              | 3 |
|------|---------------------------|-------------------|-------------|--------------|--------------------------|--------------------------|---|
|      | UPDATED WIRE CAPACITY AND | CHECK DAMA        | 11-18-15    |              | rision of Controls, Inc. |                          |   |
| DAMA |                           | WIRE SIZE TABLES. | APPD        |              |                          | , Archdale, NC 27263 USA |   |
| F    |                           | ONNECTIONS, MODE  | OPTIONS:    |              |                          |                          |   |
| A    | UTOTR                     | ANSFORMER CLOSE   | HCMPTF450TS |              |                          |                          |   |
| W    | ITH TF                    | RANSFER SWITCH    | SCALE NTS   | SHEET 2 OF 2 |                          |                          |   |