



SIZE E

| DEVICE | DESCRIPTION                   | TYPE    |
|--------|-------------------------------|---------|
| RT     | UNDER VOLTAGE RELAY           | AMV     |
| 64     | DC BUS 150V FAULT RELAY       | 64R-100 |
| 64 REC | DC BUS 150V CURRENT RECORDER  | 64R-100 |
| A      | AMMETER                       |         |
| AS     | AMMETER RANGE SELECTOR SWITCH |         |
| K      | KEY INTERLOCK                 |         |
| WT     | VOLTAGE TRANSDUCER            |         |
| V      | VOLTMETER                     |         |

NOTES:

1. ALL BREAKERS HAVE THERMAL MAGNETIC TRIP UNLESS OTHERWISE NOTED.
2. BREAKERS HAVE THERMAL TRIP ONLY.
3. CONTROL WIRE WITH THERMAL OVERLOAD ELEMENT, USED FOR ALARMS ONLY, SET AT 10% OF MOTOR FULL LOAD CURRENT.
4. CONTACTOR (CRS) WILL BE FUSED BY THE TUBING GEARPOLE SUPPLIER.

3. LIST TEND:

ALL EQUIPMENT INSIDE THE LONG DASHED LINE IS CLASS E.

| NO. | REVISION | DESCRIPTION                                  | DATE | BY | CHKD. |
|-----|----------|--|------|----|-------|
| 1   |          | REVISED CABLE SIZES PER DWG E-20 (1A'S ONLY) |      |    |       |
| 2   |          | REMOVED CHANGE COVERED BY TYPICAL NO. 2      |      |    |       |
| 3   |          | REMOVED CHANGE COVERED BY TYPICAL NO. 2      |      |    |       |
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BECHTEL  
490 AVENUE MICHIGAN  
MIDLAND PLANT UNITS 1 & 2  
CONSUMERS POWER COMPANY

SINGLE LINE METER & RELAY DIAGRAM  
250V DC SYSTEMS - UNIT I

7520 E-21

30X

P.P.C.  
APERTURE  
CARD

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16-10-83 C. M. ...  
DATE: 10-10-83  
BY: C. M. ...  
CHECKED BY: ...  
DATE: 10-10-83

RIDS

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