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| REV. | LOAD DESCRIPTION                                     | EQUIP. No. | MCC No. | CONT. No. | SCHEME No. | BREAKER    |               |                    |      | STARTER |                 | WIRE SIZE (AWG) | LOAD KVA | FULL LOAD AMPS | CONT. AMPS. |
|------|--|------------|---------|-----------|------------|------------|---------------|--------------------|------|---------|-----------------|-----------------|----------|----------------|-------------|
|      |  |            |         |           |            | FRAME SIZE | TRIP/INT. AMP | INST. TRIP SETTING | TYPE | REMARKS | WIRE SIZE (AWG) |                 |          |                |             |
| 14   | DISTRIBUTION PANEL 2BP-C3                            | 2BP03      | 2B5525  | E-97      | 2AB5525    | 100        | 90            |                    |      |         | CB              | #6              |          |                |             |
| 5    | STEAM GENERATOR 2E-51A AUX. FW INLET VALVE 2MO-3970A | 2MO3970A   | 2B5526  | E-158     | 2AB5526    | 100        | 10            |                    |      |         | 2A              | #14             | 2.6 HP   | 5.9            |             |
| 11   | SPARE  | SPARE      | 2B5527  |           | 2AB5527    | 100        | 90            |                    |      |         | 2A              |                 |          |                |             |
| 13   | SPARE  | SPARE      | 2B5528  |           | 2AB5528    | 100        | 50H           |                    |      |         | 2C2             |                 |          |                |             |
| 9    | BATTERY CHARGER 2D17                                 | 2D17       | 2B5529  | E-98      | 2AB5529    | 225        | 12.5          |                    |      |         | CB              | #2/0            |          | 96             |             |
| 13   | M. STM. ISOL. VLV 2XV-3211A HYDRAULIC PUMP MOTOR     | 2XV3211A   | 2B5530  | E-352     | 2AB5530    | 100        | 10            |                    |      |         | 1A              | #14             | 3 HP     | 4.9            |             |
| 7    | SERVICE WATER BUILDING 2B63 MCC                      | 2B63       | 2B5531  | E-60      | 2AB5531    | 100        | 100           |                    |      |         | CB              | SEE NOTE #2     | 350MM    |                |             |
| 13   | SPARE  | SPARE      | 2B5532  |           | 2AB5532    | 100        | 50H           |                    |      |         | 2C2             |                 |          |                |             |
| 13   | RB COLLECTION HEADER ISOLATION VALVE 2MO-0840        | 2MO0840    | 2B5533  | E-347     | 2AB5533    | 100        | 5             |                    |      |         | 1 2C1           | #10             | .33HP    |                |             |
| 13   | R.C. PRESSURIZER RELIEF VLV 2MO-0211                 | 2MO0211    | 2B5534  | E-226     | 2AB5534    | 100        | 10            |                    |      |         | 2C1             | #14             | 1.6HP    |                |             |
| 10   | SPACE  | SPACE      | 2B5535  |           | 2AB5535    |            |               |                    |      |         |                 |                 |          |                |             |
| 12   | SPACE  | SPACE      | 2B5536  |           | 2AB5536    |            |               |                    |      |         |                 |                 |          |                |             |
| 7    | BATTERY RM EXHAUST FAN DISCH. DAMPER 2VY-68A         | 2VY68A     | 2B5537  | E-459     | 2AB5537    | 100        | 5             |                    |      |         | 1D4             | #14             | 1HP      | 1.8            |             |
| 9    | REACTOR BLDG HYDRAZINE PUMP 2P-41A                   | 2P-41A     | 2B5538  | E-259     | 2AB5538    | 100        | 5             |                    |      |         | 1A              | #14             | 1HP      | 1.68           |             |
| 10   | INSTRUMENT TRANSFORMER 2X91                          | 2X91       | 2B5539  | E-97      | 2AB5539    | 100        | 40            |                    |      |         | CB              | 2/C #6          | 19KVA    | 32.9           |             |
| 10   | INSTRUMENT TRANSFORMER 2X95                          | 2X95       | 2B5540  | E-97      | 2AB5540    | 100        | 20            |                    |      |         | CB              | 2/C #6          | 7.5KVA   | 16.4           |             |
| 11   | SPACE  | SPACE      | 2B5541  |           | 2AB5541    | 100        | 30            |                    |      |         | 2A              |                 |          |                |             |
| 11   | SPACE  | SPACE      | 2B5542  |           | 2AB5542    | 100        | 15            |                    |      |         | CB              |                 |          |                |             |
| 1    | SPACE  | SPACE      | 2B5543  |           | 2AB5543    |            |               |                    |      |         |                 |                 |          |                |             |
| 11   | SPACE  | SPACE      | 2B5544  |           | 2AB5544    |            |               |                    |      |         |                 |                 |          |                |             |
| 14   | CONTROL XFMR FOR 2B5520                              | ---        | 2B5545  |           | 2AB5545    |            |               |                    |      |         |                 |                 |          |                |             |
| 8    | CONT. XFMR. FOR CUB. 2B5509, 2B5508                  | ---        | 2B5546  |           | ---        |            |               |                    |      |         |                 |                 |          |                |             |
| 11   | SPACE  | SPACE      | 2B5547  |           | 2AB5547    |            |               |                    |      |         |                 |                 |          |                |             |
| 13   | CONT. XFMR. FOR CUB 2B5533 & 34                      | ---        | 2B5548  |           | ---        |            |               |                    |      |         |                 |                 |          |                |             |

|   | 7      | 8      | 9      | 10     |
|---|--------|--------|--------|--------|
| A | 2B5525 | 2B5533 | 2B5537 | 2B5534 |
| B | 2B5545 | 2B5534 | 2B5537 | 2B5534 |
| C | 2B5527 | 2B5534 | 2B5537 | 2B5534 |
| D | 2B5526 | 2B5531 | 2B5538 | 2B5544 |
| E | 2B5532 | 2B5530 | 2B5540 | 2B5541 |

CLASS 1E 460V MOTOR CONTROL CENTER No. 2B55

LOCATION: AUX BLDG AREA 3 EL. C14.0'

REF. DWG: 7220-E7-19

NOTE: 1. CIRCUIT BREAKER WITH REMOTE OPERATOR.

NOTE: 2. TO FACILITATE TERMINATION OF 350MM CABLE, TERMINATE WITH #2 CABLE BY USING BUNYDY REDUCING ADAPTER Y312CK AND BUNYDY BARREL SPLICE Y531 AND INSTALL ACCORDING TO MANUFACTURERS INSTRUCTION. INSULATE THE CONNECTION WITH RAYCHEM WCFE-N SHRINK TUBE.

BECHTEL  
ANN ARBOR, MICHIGAN

MIDLAND PLANT UNITS 1 & 2  
CONSUMERS POWER COMPANY

CLASS 1E 460V MOTOR CONTROL CENTER  
SCHEDULE UNIT 2 & COMMON

| DWG No. | DRAWING No.   | REV. |
|---------|---------------|------|
| 7220    | E-18(Q) SH. 9 | 14   |

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P.R.O. APERTURE CARD

RIDS

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