

14. Conduit entering cable tray outdoor or in wet areas shall be sealed with duct seal or similar compound after cable is pulled.
15. Insulated conduit bushings shall be used throughout the installation or T&B insular sleeve, either A00 may be used where bushing insulation is damaged or missing.
16. Use of Flexible Conduit
- 16.1 Conduit connections to motors, control devices, instruments and other equipment subject to vibration or removal shall be made with a flexible connection using a flexible metallic conduit in the reactor building and liquid-tight flexible metallic conduit in the remaining areas, U.L. listed, unless otherwise noted. These flexible conduit shall be unscheduled. The size of the flexible conduit may be reduced to match the opening in the equipment provided the conduit does not become overfilled.
- 16.2 Upon engineering approval and when the length of the rigid is less than or equal to the maximum allowed length of flexible conduit per Note 16.3, flexible conduit may be substituted for rigid. The flexible conduit shall retain the conduit size and identity of the rigid and shall be scheduled.
- 16.3 For maximum unsupported flexible conduit lengths see E42(Q), Sheet 37A.
- 16.4 Conduit in the reactor building that are supported off of the building steel and the liner plate shall have a minimum of 2'-0" of flexible conduit installed in the offset or in place of the 90° elbow in the conduit run between the last support on the building steel and the first support on the liner plate. For conduit sizes larger than 3" liquid-tight flexible conduit may be used with the outer jacket removed.
17. Square cuts shall be made on all field-cut conduits. After cutting and chiseling, the conduits shall be reamed to remove burrs, and thoroughly cleaned. After installation, exposed male threads shall be cleaned with a granular cutting solvent and coated with zinc-rich paint type LPS, ZINC-IT or equal. This is not a "Q" coating.
18. Running threads shall not be used.
19. Conduit expansion fittings shall be used at all structural expansion joints.
- 19a. For conduits requiring core drilling of walls, or floor slabs, refer to civil Specification C-231 for guidelines and procedures.
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| 4-7-0 | INCORP. CHANGES FOR REMOVED NOTES AND E-2300 | 4/2/04 | UDM | DR. REB | CEB | SR | DR/LMC |
| 5-2-0 | INCORP. FOR E-2300 | 2/6/04 | 4/1/04 | CEB | SR | DR/LMC | |
| 8-3-0 | ISSUED FOR CORCT. INCORP. FOR E-2300 | PPP | 5/7 | RIM | MAX | DR/LMC | |
| No. | DATE | REVISED | BY | CHECKED | GROUP LEAD | GROUP SUPV. | PHOT. ENGR. |
| REALS | | | DESIGNED | | | | |
| ORIGIN | | | DRAWN | | | | |
| MIDLAND PLANT UNITS 1 AND 2
CONSUMERS POWER COMPANY
CONDUIT AND TRAY
NOTES, SYMBOLS, AND DETAILS | | | JOB NO. 7220
DRAWING No. | | | REV. | |
| | | | E-42(Q) SH. 103 | | | 5 | |

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