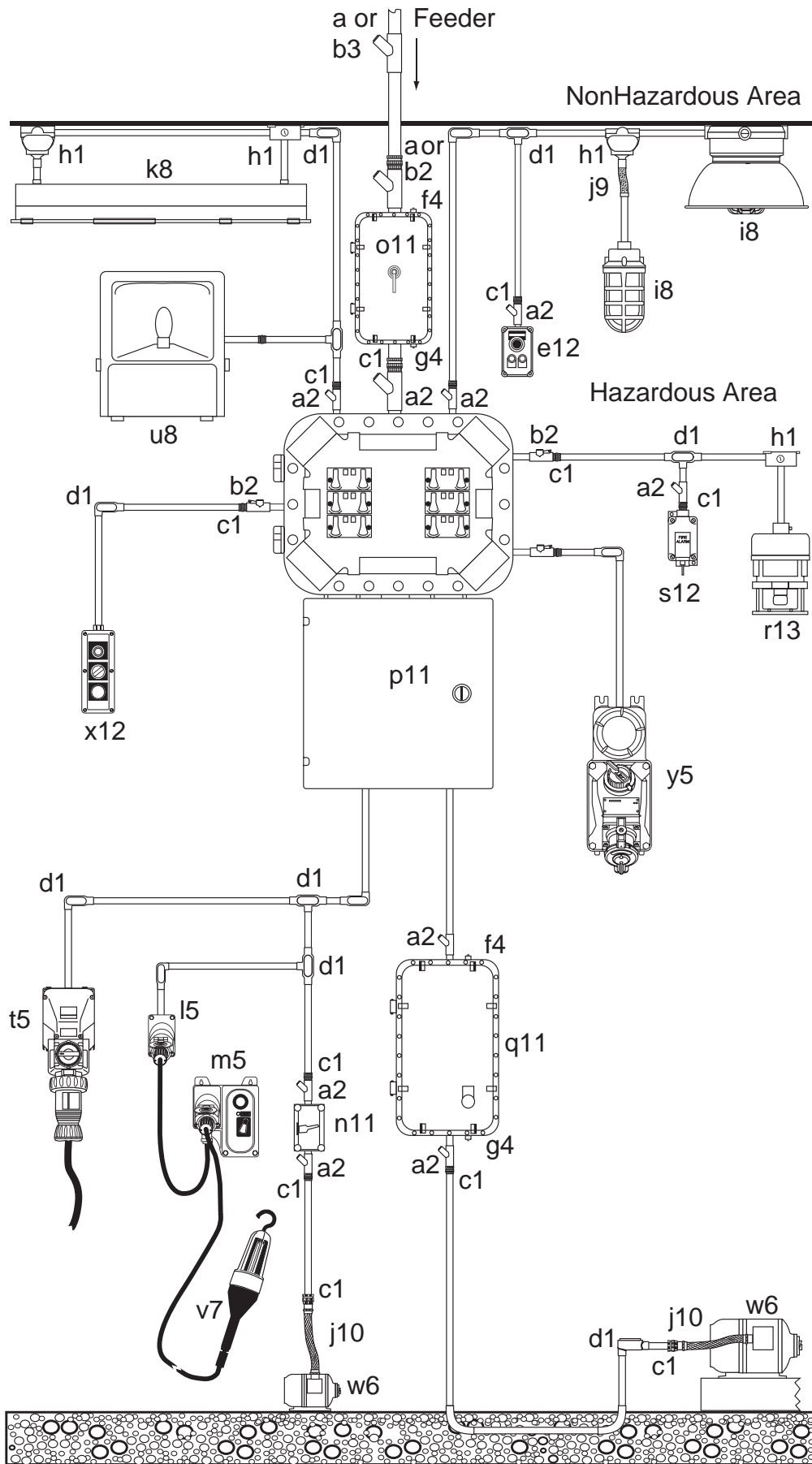


Power & Lighting (Rigid Conduit) Installation, Class I, Division 2



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Product Key

- (a) EY, ENY, EYD, or EYS Sealing fitting used with vertical conduits
- (b) ENY or EYS Sealing fittings used with vertical or horizontal conduits
- (c) GUF/UNF Female-Female or GUM/UNY Male-Female Explosionproof Unions
- (d) Junction Boxes or Conduit Fitting Series GE, GEB, X, XALB, GR, JL, JAL, or O Series or Duraloy 5, 7, 8.
- (e) XS Non-Factory Sealed or FXS Factory Sealed Switch or Factory Sealed Control Station
- (f) KDB or KB1B Breather
- (g) KDB or KB1D Drain
- (h) Fixture Hanger HXB, XFH, FHC, FKA, JL or JAL
- (i) V Series LED, MB/MBF Med. Base H.I.D or LED or VM Mogul Base H.I.D. or LED
- (j) ECF or EKJ Explosionproof Flexible Coupling
- (k) DBF or LZ2N or LZ2S Fluorescent Fixture
- (l) UGR/UGP Acceptor Plug and Receptacle
- (m) GFCI Protected Acceptor Receptacle Adapter
- (n) XSD, XSX, XMSW Non-Factory Sealed or FXSD, FXSX Factory Sealed Manual
- (o) B7C Prism Circuit Breaker
- (p) D2L Series Factory Sealed Circuit Breaker Panelboard
- (q) B7 Magnetic Motor Starter
- (r) NVS Signal Luminaire
- (s) XAL Fire Alarm Station
- (t) VSI Switched Receptacles
- (u) KFP or KFS Floodlight
- (v) XHLF Fluorescent Handlamp
- (w) Hazardous Location Rated Motor
- (x) Duratech Control Station
- (y) VSQ Factory Sealed Interlocked Switched Receptacle

N.E.C. References

1. 501.10(B)(4) All boxes and fittings are not required to be explosionproof. 501.130.(B)(3) Pendant Luminaires. Shall be supported by approved means.
2. 501.15 (B)(1). For connections to enclosures that are required to be explosionproof, a conduit seal shall be provided in accordance with the requirements for Class I, Division 1.
3. 501.15 (B)(2). A seal shall be required within 3.05m (10 ft) on either side of the Class I, Division 2/Unclassified boundary.
4. 501.15 Sealing and Drainage. (F) Drainage. (1) Control Equipment. An approved means shall be provided to prevent accumulation or permit draining of liquid or condensed vapor.
5. 501.145 Receptacles and attachment Plugs, Class I, Divisions 1 and 2. Shall be of a type providing for connection to an equipment grounding conductor and shall be identified for the location. According to Exception 501.15(A)(1)(1)Seals shall not be required for conduit entering an enclosure where the switches are inside a factory sealed enclosure, or the switch is explosionproof.
6. 501.125(B) Motors must be identified for Class I, Division 2, or nonexplosionproof motors such as squirrel-cage induction motors without brushes , switching mechanisms, or similar arc-producing devices that are not identified for use in Class I, Division 2 shall be permitted.
7. 501.130 (B)(1) Luminaires. Luminaires intended for portable use shall be specifically listed as a complete assembly for that use. Shall be identified as a complete assembly for Class I, Division 1 and shall be clearly marked to indicate the maximum wattage of lamp for which it is identified.
8. 501.130 (B) Shall comply with (1) through (6) of this section. Under normal operating conditions, if the surface temperature of the luminaire reaches 80% of the ignition temperature of the gas or vapor involved the luminaire must meet the requirements of Class I, Division 1 or be tested to determine the marked operating temperature or Temperature Code.
9. 501.130(B)(3) An identified flexible fitting can be used. Flexible fittings meeting the requirements of 501.130 (A)(3) would be suitable.
10. 501.10A Wiring Methods Class I, Division 1. (2) Flexible Connections. Where necessary to employ flexible connections as at motor terminals, flexible couplings shall be listed for the location.
11. 501.115(B) Switches, Circuit Breakers, Motor Controllers, and Fuses. (A) Class I, Division 1. Circuit Breakers, Manual Motor Starters, Magnetic Motor Starters, Disconnect Switches and similar devices shall be inside enclosures identified to be a complete assembly for use in Class I Locations. According to Exception 501.15(A)(1)(1)Seals shall not be required for conduit entering an enclosure where the switches are inside a factory sealed enclosure.
12. 501.115 (B) Pushbuttons and similar devices shall be inside enclosures identified to be a complete assembly for use in Class I Locations. According to Exception 501.15(A)(1)(1) Seals shall not be required for conduit entering an enclosure where the switches are inside a factory sealed enclosure, or the switch is explosionproof.
13. 501.130(B)(5) Switches inside luminaires. Shall comply with the Class I, Division 2 requirements for switches, 501.115(B).