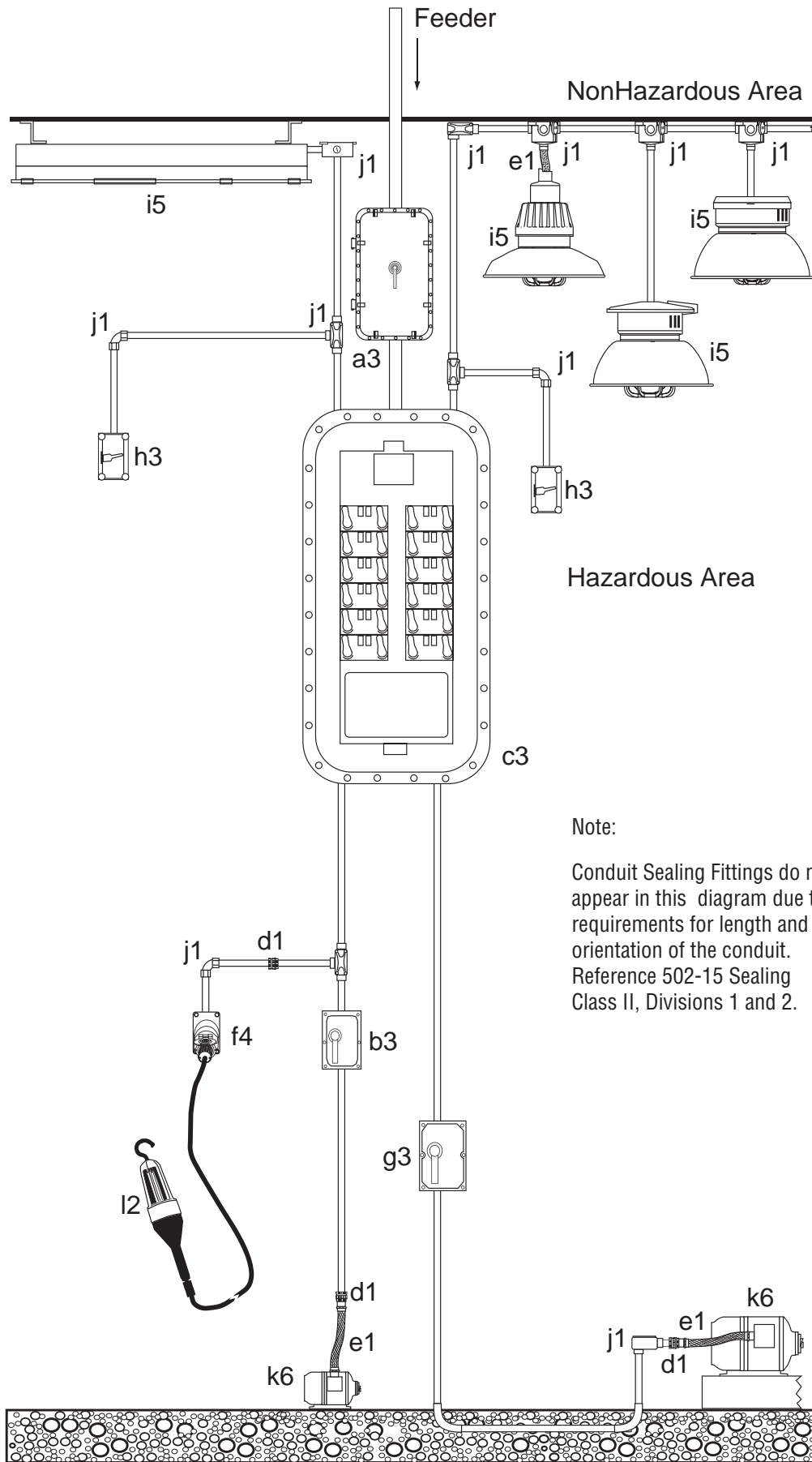


# Lighting (Rigid Conduit) Installation, Class II, Divisions 1 and 2



**Note:**

Conduit Sealing Fittings do not appear in this diagram due to requirements for length and orientation of the conduit. Reference 502-15 Sealing Class II, Divisions 1 and 2.

## Lighting (Rigid Conduit) Installation, Class II, Divisions 1 and 2

### Product Key

- (a) B7C or XCBW Circuit Breaker
- (b) XEDS Disconnect Switch
- (c) B7L or B7P Prism Panelboard
- (d) GUF/UNF Female-Female or GUM/UNY Male-Female Unions
- (e) ECF or EKJ Flexible Coupling
- (f) UGR/UGP Factory Sealed Acceptor Receptacle
- (g) XMSW, XSD, XSX, Non-Factory Sealed or FXSD, FXSX Factory Sealed Manual Motor Starter
- (h) XS Non-Factory Sealed or FXS Factory Sealed Switch
- (i) VM or MB/MBF, EML/EBF, EZ, or DBF Luminaires; LED, Fluorescent and H.I.D.
- (j) Junction Boxes and Fittings Series GEB, GR, X, GRR, GE, JL, JAL, Y, FF, MM, HXB, and XFH
- (k) Hazardous Location Rated Motor
- (l) XHLF Fluorescent Handlamp

### N.E.C. References

1. 502.10(A)(4). Boxes and fittings shall be identified for Class II locations or be dusttight. Explosionproof equipment and wiring shall not be required and shall not be acceptable in Class II locations unless also identified for such locations.
2. 502.130(A) and 502.130 (B)(4). Portable luminaires shall be identified for the location and shall be clearly marked to indicate the maximum wattage of the lamp for which it is designed.
3. 502.115 (A) Class II, Division 1. Switches, Circuit Breakers, Motor Controllers and similar devices shall be provided with enclosures identified for the location.
4. (B) Class II, Division 2. Shall be in dusttight enclosures or otherwise identified for the location.  
502.145(A) Receptacles and Attachment Plugs. Class II, Division 1. Shall be of a type providing for connection to the equipment grounding conductor of the flexible cord and shall be identified for Class II locations. (B) Class II, Division 2. Shall be of a type that provides for connection to the equipment grounding conductor of the flexible cord, and shall be designed so that connection to the supply circuit cannot be made or broken while live parts are exposed.
5. 502.130(A) (1) Luminaires. Shall be identified for the location and shall be clearly marked to indicate the maximum wattage of the lamp for which it is designed. (B) Class II, Division 2 (2) Fixed Lighting. Shall be provided with enclosures that are dusttight or otherwise identified for the location. Each luminaire shall be marked to indicate the maximum wattage of the lamp that shall be permitted without exceeding an expose surface temperature in accordance 500.8(D)(2) under normal conditions of use.
6. 502.125 (A) Class II, Division 1. Motors shall be either identified for the location or totally enclosed pipe-ventilated meeting the required temperature limitations.  
(B) Class II, Division 2. Motors shall be totally enclosed non-ventilated, totally enclosed pipe-ventilated, totally enclosed water-air-cooled, totally enclosed fan-cooled or dust-ignitionproof for which the temperature shall be in accordance with 500.8(D)(2) for normal operation in free air (not dust blanketed) and shall have no external openings.