This guide specification is written according to the Construction Specifications Institute (CSI) formats, including MasterFormat, SectionFormat, and PageFormat.

Carefully review and edit this section to meet the requirements of the project and local building code. Coordinate this section with other specification sections and drawings.

Delete all "Specifier Notes" when done editing this section.

SECTION 26 05 33.36

OUTDOOR ROOFTOP BOXES FOR ELECTRICAL SYSTEMS

PART 1 - GENERAL

1.1 CONDITIONS AND REQUIREMENTS

A. The General Conditions, Supplementary Conditions, and Division 01 – General Requirements apply.

1.2 SECTION INCLUDES

A. Outdoor rooftop boxes.

1.3 RELATED SECTIONS

Specifier Note: In this article, specify work specified in other sections that is related to work of this section.

A. Division 26 - Electrical: Electrical systems and components.

Specifier Note: The following paragraph is a sample that may be used in this article. Add to or delete from the following as appropriate for the specific project.

B. Section [xx xx xx] – [Section Title]: [Include brief description of work specified in another section that is related to the work of this section.]

1.4 REFERENCE STANDARDS

A. State of California:

1. Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

B. European Union (EU):

1. EU Directive 2002/95/EC, Restriction of Hazardous Substances (RoHS).

1.5 SUBMITTALS

Specifier Note: In this article, specify various types of data to be furnished by the contractor before, during, or after construction. Topics included in this article are product data, shop drawings, samples, design data, test reports, certificates, manufacturers' instructions, manufacturers' field reports, qualification statements, and closeout submittals.

A. Submit under provisions of Section [01 33 00] [_____].

B. Product Data: Submit for outdoor rooftop boxes.

1.6 QUALITY ASSURANCE

Specifier Note: In this article, describe qualifications, regulatory requirements, certifications, field samples, mock-ups, and pre-installation meetings.

A. Manufacturer Qualifications: Firms regularly engaged in the manufacture of outdoor boxes of the types and sizes required, whose products have been in satisfactory use in similar service for not less than 10 years. Provide outdoor rooftop boxes produced by a manufacturer listed in this section.

B. Outdoor Rooftop Boxes: Comply with requirements of applicable local codes, NEC, UL, and NEMA Standards pertaining to outdoor rooftop boxes.

1.7 DELIVERY, STORAGE AND HANDLING

A. Deliver outdoor rooftop boxes in factory labeled packages.

B. Store and handle in strict compliance with manufacturer's written instructions and recommendations.

C. Protect from damage due to weather, excessive temperature, and construction operations.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design Product: The design for outdoor rooftop boxes is based on Outdoor Rooftop Boxes manufactured by Legrand/Wiremold, 60 Woodlawn Street, West Hartford, CT 06110; toll-free 800-621-0049, telephone 860-233-6251, fax 860-232-2062; Web Site: www.legrand.us/wiremold.

B. Substitutions will be considered under provisions of Section 01 25 00.

2.2 OUTDOOR ROOFTOP BOXES

A. Classification and Use: Outdoor rooftop boxes shall have been examined and tested by Underwriters Laboratories Inc. to meet NEMA 3R requirements to be safe to use even during inclement weather and bear the cULus Listing Mark.

B. Outdoor Rooftop Boxes, General:

1. Outdoor rooftop boxes shall channel water to the outside of the box to protect devices, plugs and connections from water, snow, and ice.
2. Construct boxes from Noryl® plastic.
3. Box covers shall be rated to hold up to 1000 lbs. of load and be of anti-slip design.
4. Boxes shall be compliant with RoHS and Proposition 65.
5. Boxes shall install flush to rooftop flooring to reduce tripping hazards.
6. Boxes shall utilize a rotating outlet box to position receptacles downward to protect devices, plugs, and connections from water while the cover is closed.
7. Provide boxes with egress slots that accommodate cables of different diameters.
8. Covers shall be self-closing to avoid leaving receptacles exposed to the elements and prevent tripping hazards.

Specifier Note: Retain either of the following two paragraphs and delete the other one. Retain the first paragraph if a prewired box is required or the second paragraph if an unwired box is required.

Specifier Note: Select either black or gray cover color in the model number and description and delete the other one in the following paragraph.

C. Model XFB2GRR[BK][GY] Prewired Outdoor Rooftop Boxes: Box furnished with two (2) prewired 20A weather-resistant GFCI duplex receptacles; compatible with raised floor decks that have at least 7 inches (177.8mm) of clearance from rooftop to deck surface; includes 5 ft. (1.24m) prewired leads to connect to nearby junction box. Box cover color: [Gray] [Black]. Boxes shall be 11-3/4" L x 8" W x 6-1/4" H (298mm x 203mm x 159mm).

Specifier Note: Select either black or gray cover color in the model number and description and delete the other one in the following paragraph.

D. Model XFB2G[BK][GY] Unwired Outdoor Rooftop Boxes: Box furnished with two (2) gangs for the installation of either 15A or 20A weather-resistant GFCI duplex receptacles; compatible with raised floor decks that have at least 7 inches (177.8mm) of clearance from rooftop to deck surface. Box cover color: [Gray] [Black]. Boxes shall be 11-3/4" L x 8" W x 6-1/4" H (298mm x 203mm x 159mm).

2.3 ACCESSORIES

Specifier Note: Select either black or gray cover color in the model number and description and delete the other one in the following paragraph.

A. Model XFB2GCVR[BK][GY] Box Cover: Replacement cover for outdoor rooftop box; Color: [Gray] [Black].

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine the conditions under which outdoor rooftop boxes are to be installed. Notify the [Architect/Engineer] [Construction Manager] in writing of conditions detrimental to proper completion of the work. Do not proceed with work until unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Confirm that rooftop pedestals used alongside the boxes are compatible with the boxes and approved by the box manufacturer.

3.3 INSTALLATION

A. Strictly comply with manufacturer's installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and to prevent electrical hazards.

3.4 CLEANING AND PROTECTION

A. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer.

B. Protect boxes until acceptance.

END OF SECTION

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