

**Thomas and Betts Corporation  
Product Guide Specification**

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice, Fifth Edition*.

This section must be carefully reviewed and edited by the Architect or Engineer to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" after editing this section.

Section numbers are from *MasterFormat 2010 Update*.

**SECTION 26 05 33.20  
METALLIC OUTLET BOXES**

Specifier Notes: Delete any information below in Parts 1, 2 or 3 which is not required or relevant for the project.

**PART 1 – GENERAL**

**1.01 SUMMARY**

- A. This section includes metallic switch and outlet boxes used in electrical construction.
- B. Related Sections:
  - 1. Section 26 05 19.01 Cord and Cable Fittings
  - 2. Section 26 05 33.26 Zinc Die Cast Fittings for Raceways and Boxes
  - 3. Section 26 05 33.28 Steel EMT Fittings
  - 4. Section 26 05 33.29 Commercial Grade AC and FMC Fittings
  - 5. Section 26 05 33.31 Industrial Grade AC, FMC, and MC Fittings

**1.02 REFERENCES**

- A. Underwriters Laboratories, Inc. (UL):
  - 1. UL 514A Metallic Outlet Boxes
- B. Canadian Standard Association (CSA):
  - 1. CSA C22.1 Canadian Electrical Code Part I
  - 2. CSA C22.2 No. 18.1 Metallic Outlet Boxes
- C. National Fire Protection Association (NFPA)
  - 1. NFPA 70 National Electrical Code (NEC)

**1.03 SUBMITTALS**

- A. Comply with Section 01 33 00 – Submittal Procedures.
- B. Product Data:
  - 1. Submit manufacturer's descriptive literature and product specifications for each product.
  - 2. Manufacturer's product drawings.

**1.04 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Products shall be free of defects in material and workmanship.

**METALLIC OUTLET BOXES  
26 05 33.20-1  
REVISION 0**

**Thomas and Betts Corporation  
Product Guide Specification**

- B. Furnished products shall be listed or classified by third party agencies as suitable for the intended purpose.

**1.05 WARRANTY**

- A. Product is warranted free of defects in material and workmanship.
- B. Product is warranted to perform the intended function within design limits.

**PART 2 – PRODUCTS**

**2.01 GENERAL**

- A. Metallic outlet and switch boxes shall include the following product types:
  - 1. Prefab boxes
  - 2. Switch boxes
  - 3. Thru-Wall boxes
  - 4. Ceiling boxes (round and octagon)
  - 5. Ceiling fan and light fixture bar hangers
  - 6. 4" Square boxes
  - 7. Utility boxes
  - 8. Multi-gang boxes
  - 9. Concrete/masonry boxes
  - 10. Covers, brackets and accessories
- B. Boxes and covers shall be UL Listed and CSA Certified.

**2.02 MANUFACTURERS**

- A. Acceptable Manufacturers:  
Thomas & Betts Corporation  
8155 T&B Blvd  
Memphis, TN 38125  
800-816-7809, 901-252-5000  
[www.tnb.com](http://www.tnb.com)

Product: Steel City™ Metal Boxes and Covers

**2.03 DESIGN AND PERFORMANCE REQUIREMENTS**

- A. Metallic boxes and covers shall be made from pre-galvanized steel .062" minimum thickness.
- B. Metallic brackets shall be pre-galvanized steel or zinc plated cold roll spring steel.
- C. Metallic boxes shall have standard trade size knockouts to support attachment of cable and conduit connectors.
- D. Metallic boxes shall have a 10-32 tapped hole at the bottom for attaching a separate ground wire.
- E. Metallic boxes shall have pre-installed screws in raised position to support cover installation.
- F. Metallic square boxes shall have eccentric knockouts for improved conduit fitting/locknut to box contact.

**Thomas and Betts Corporation  
Product Guide Specification**

- G. Metallic switch boxes shall have notched ears to provide clearance for screws when attaching switches.
- H. Ceiling fan and light fixture bar hangers shall have a UL Listed 35 lbs fan rating and 50 lbs fixture rating.
- I. Ceiling fan and light fixture bar hangers shall be expandable from 16" to 24".

**PART 3 – EXECUTION**

**3.01 INSTALLATION**

- A. Installation shall be in accordance with NEC Article 314, CEC and any manufacturer's instructions

**END OF SECTION**