

SECTION 16140 (26 27 26)

WIRING DEVICES - CORD REELS

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**** NOTE TO SPECIFIER **** KH Industries; Industrial and Hazardous Location Lighting and Cord Reels.

This section is based on the products of KH Industries, which is located at:

160 Elmview Ave.
Hamburg, NY 14075
Phone: 716-312-0088
Email: sales@khindustries.com
Web: www.khindustries.com

[Click Here](#) for additional information.

PART 1 GENERAL

1.1 SECTION INCLUDES

**** NOTE TO SPECIFIER **** Delete items below not required for project.

- A. Cord Reels:
 - 1. Commercial and light industrial. (RTA)
 - 2. Heavy duty industrial. (RTB NEMA 2 or NEMA 4)
 - a. Indoor use.
 - b. Indoor use and outdoor use, wet locations.
 - 3. Heavy duty industrial. (RTF NEMA 4x)
 - a. Indoor, outdoor, and corrosive use; wet locations and dust environments.
 - 4. High amperage and high cord capacity. (RTI/RTM)
 - a. Indoor and outdoor use, including wet locations.
 - 5. Hazardous location. (RTS Explosion Proof)
 - a. Indoor, outdoor use; and wet locations and dust environments.
- B. Cord reel stations.
- C. Static discharge grounding reels. (RTX)

1.2 RELATED SECTIONS

**** NOTE TO SPECIFIER **** Delete any sections below not relevant to this project; add others as required.

- A. Section 26 05 00 – Common Work Results for Electrical.
- B. Section _____ – _____.

1.3 REFERENCES

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

- A. American National Standards Institute (ANSI):
 - 1. ANSI/UL 355 – Cord Reels.

- B. National Electrical Manufacturer's Association (NEMA).
 - 1. Enclosure Types: NEMA 2, NEMA 4, and NEMA 4x.

- C. Underwriters Laboratories (UL):

**** NOTE TO SPECIFIER ** cULus applies to RTA Series reels only. Delete the following cULus paragraph if not required.**

- 1. Listed: cULus.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00.
- B. Product Data:
 - 1. Manufacturer's data sheets on each product to be used.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Typical installation methods.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum of five years documented experience.
- B. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
- C. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

1.6 PRE-INSTALLATION CONFERENCE

- A. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items, and approvals.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
- B. Protect from damage due to weather, excessive temperature, and construction operations.

1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.9 WARRANTY

- A. Manufacturer's standard limited warranty unless indicated otherwise.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: KH Industries, which is located at: 160 Elmview Ave., Hamburg, NY 14075; Phone: 716-312-0088, Email: sales@khindustries.com; Web: www.khindustries.com

**** NOTE TO SPECIFIER ** Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.**

- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with the provisions of Section 01 60 00.

2.2 PERFORMANCE REQUIREMENTS

- A. Cable Reels: Listed and labeled by a qualifying testing agency and marked for intended locations and application.

**** NOTE TO SPECIFIER ** Delete article if not required.**

2.3 CORD REELS - RTA SERIES

- A. Cord Reels: RTA Series. Commercial and Light Industrial.
1. General: Complies with ANSI/UL 355. Listed: cULus. Rated for indoor use.
 - a. Retract Cables: Up to 50 feet vertically. Can be quickly repositioned to bring cables where needed.
 - b. Slip Ring: 125 Volt, 20 Amp, six foot leader cord and adjustable ball stop.
 - c. Mounting: Ceiling, wall, or bench.
 - d. Construction: Reinforced steel frame. Long-life spring. Black molded nylon.
 - e. Color: White.
 - f. Outlet box on reel, where applicable, includes integral strain relief.
 - g. Dimensions (HxWxD): 13 x 6.8 x 12 inches.

**** NOTE TO SPECIFIER ** Delete Model Series and catalog options not required.**

2. Model: RTA Series 10-Amp Cable Reel with Flying Lead mobile end. No GFCI.
 - a. Catalog No. RTAN3LW-WW-B16F. Rating: 125 Volts; 10 Amps.
 - 1) Cable: 16AWG, 3C SOOW. Length: 25 ft.
 - b. Catalog No. RTAN3LW-WW-B16H. Rating: 125 Volts; 10 Amps.
 - 1) Cable: 16AWG, 3C SOOW. Length: 35 ft.
 - c. Catalog No. RTAN3LW-WW-B16K. Rating: 125 Volts; 10 Amps.
 - 1) Cable: 16AWG, 3C SOOW. Length: 50 ft.
3. Model: RTA Series 20-Amp Cable Reel with Flying Lead mobile end. No GFCI.
 - a. Catalog No. RTAN3LW-WW-J12F. Rating: 125 Volts; 10 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAN3LW-WW-J12H. Rating: 125 Volts; 10 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAN3LW-WW-J12K. Rating: 125 Volts; 10 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
4. Model: RTA Series 10-Amp Cable Reel with Quad Receptacle Box mobile end. No GFCI.
 - a. Catalog No. RTAN3LW-WDD515-B16F. Rating: 125 Volts; 10 Amps.
 - 1) Cable: 16AWG, 3C SOOW. Length: 25 ft.
 - b. Catalog No. RTAN3LW-WDD515-B16H. Rating: 125 Volts; 10 Amps.
 - 1) Cable: 16AWG, 3C SOOW. Length: 35 ft.
 - c. Catalog No. RTAN3LW-WDD515-B16K. Rating: 125 Volts; 10 Amps.
 - 1) Cable: 16AWG, 3C SOOW. Length: 50 ft.
5. Model: RTA Series 15-Amp Cable Reel with Quad Receptacle Box mobile end. No GFCI.
 - a. Catalog No. RTAN3LW-WDD515-J12F. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.

- b. Catalog No. RTAN3LW-WDD515-J12H. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAN3LW-WDD515-J12K. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
- 6. Model: RTA Series 20-Amp Cable Reel with Quad Receptacle Box mobile end. No GFCI.
 - a. Catalog No. RTAN3LW-WDD520-J12F Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAN3LW-WDD520-J12H Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAN3LW-WDD520-J12K Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
- 7. Model: RTA Series 15-Amp Cable Reel with Triple Tap mobile end. No GFCI.
 - a. Catalog No. RTAN3LW-WTT515-J12F. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAN3LW-WTT515-J12H. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAN3LW-WTT515-J12K. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
- 8. Model: RTA Series 15-Amp Cable Reel and Quad Receptacle Box mobile end. Inline GFCI.
 - a. Catalog No. RTAG3LW-WDD515-J12F. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAG3LW-WDD515-J12H. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAG3LW-WDD515-J12K. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
- 9. Model: RTA Series 20-Amp Cable Reel and Quad Receptacle Box mobile end. Inline GFCI.
 - a. Catalog No. RTAG3LW-WDD520-J12F. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAG3LW-WDD520-J12H. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAG3LW-WDD520-J12K. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
- 10. Model: RTA Series 15-Amp Cable Reel and Triple Tap mobile end. Inline GFCI.
 - a. Catalog No. RTAG3LW-WTT515-J12F. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAG3LW-WTT515-J12H. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAG3LW-WTT515-J12K. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
- 11. Model: RTA Series 15-Amp Cable Reel with Single Outlet mobile end. No GFCI.
 - a. Catalog No. RTAN3LW-WC515-J12F. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAN3LW-WC515-J12H. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAN3LW-WC515-J12K. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
- 12. Model: RTA Series 20-Amp Cable Reel with Single Outlet mobile end. No GFCI.
 - a. Catalog No. RTAN3LW-WC520-J12F. Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAN3LW-WC520-J12H. Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAN3LW-WC520-J12K. Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.

13. Model: RTA Series 15-Amp Cable Reel with Locking Single Outlet mobile end. No GFCI.
 - a. Catalog No. RTAN3LW-WCL515-J12F. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAN3LW-WCL515-J12H. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAN3LW-WCL515-J12K. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
14. Model: RTA Series 20-Amp Cable Reel with Locking Single Outlet mobile end. No GFCI.
 - a. Catalog No. RTAN3LW-WCL520-J12F. Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAN3LW-WCL520-J12H. Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAN3LW-WCL520-J12K. Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
15. Model: RTA Series 15-Amp Cable Reel and Single Outlet mobile end. Inline GFCI.
 - a. Catalog No. RTAG3LW-WC515-J12F. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAG3LW-WC515-J12H. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAG3LW-WC515-J12K. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
16. Model: RTA Series 20-Amp Cable Reel and Single Outlet mobile end. Inline GFCI.
 - a. Catalog No. RTAG3LW-WC520-J12F. Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAG3LW-WC520-J12H. Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAG3LW-WC520-J12K. Rating: 125 Volts; 20 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
17. Model: RTA Series 15-Amp Cable Reel and Locking Single Outlet mobile end. Inline GFCI.
 - a. Catalog No. RTAG3LW-WCL515-J12F. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAG3LW-WCL515-J12H. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAG3LW-WCL515-J12K. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.
18. Model: RTA Series 20-Amp Cable Reel and Locking Single Outlet mobile end. Inline GFCI.
 - a. Catalog No. RTAG3LW-WCL520-J12F. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 25 ft.
 - b. Catalog No. RTAG3LW-WCL520-J12H. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 35 ft.
 - c. Catalog No. RTAG3LW-WCL520-J12K. Rating: 125 Volts; 15 Amps.
 - 1) Cable: 12AWG, 3C SJOW. Length: 50 ft.

**** NOTE TO SPECIFIER ** Delete article if not required.**

2.4 CORD REELS (RTB Series)

- A. Cord Reels: RTB Plug-n-Play Series. Heavy Duty Industrial. NEMA 2. Rated for Indoor Use. 125 VAC.
 1. General: Complies with ANSI/UL 355. Listed: CSA Approved. Rated for indoor use.
 - a. Retract Cables: Up to 50 feet vertically. Can be quickly repositioned to bring cables where needed.
 - b. Slip Ring: 600 Volt, 30 Amp, six foot leader cord and adjustable ball stop.

- c. Mounting: Ceiling, floor, or wall.
- d. Mounting Base: Heavy duty formed steel.
- e. Ball Stop: Adjustable.
- f. Guide Arm: Adjustable 12 position, 4 roller.
- g. Adjustable Ratchet: Engaged and disengaged as needed; positive lock, constant tension.
- h. Feed Cord: 6 ft.
- i. Outlet box on reel, where applicable, includes integral strain relief.
- j. Dimensions (HxWxD): 13.63 x 7.75 x 12 inches.

**** NOTE TO SPECIFIER ** Delete model options not required.**

- 2. Model No: RTBA3L-WDD515-J16F. Two, 15 Amp Duplex. Cord Length: 25 ft
 - a. Gauge: 16. Conductor: 3. Cord Type: SJOW. Black. Amps: 10 maximum.
 - b. NEMA Connector: Four, 5-15R. NEMA Plug Config: 5-15P.
 - c. Reel Color: Yellow.
- 3. Model No: RTBA3L-WDD515-J16K. Two, 15 Amp Duplex. Cord Length: 50 ft
 - a. Gauge: 16. Conductor: 3. Cord Type: SJOW. Black. Amps: 10 maximum.
 - b. NEMA Connector: Four, 5-15R. NEMA Plug Configuration: 5-15P.
 - c. Reel Color: Yellow.
- 4. Model No: RTBB3L-WDD515-J14F. Two, 15 Amp Duplex. Cord Length: 25 ft
 - a. Gauge: 14. Conductor: 3. Cord Type: SJOW. Black. Amps: 15 maximum.
 - b. NEMA Connector: Four, 5-15R. NEMA Plug Configuration: 5-15P.
 - c. Reel Color: Yellow.
- 5. Model No: RTBB3L-WDD515-J14K. Two, 15 Amp Duplex. Cord Length: 50 ft
 - a. Gauge: 14. Conductor: 3. Cord Type: SJOW. Black. Amps: 15 maximum.
 - b. NEMA Connector: Four, 5-15R. NEMA Plug Configuration: 5-15P.
 - c. Reel Color: Yellow.
- 6. Model No: RTBB3L-4DD515-B12G. Two, 15 Amp Duplex. Cord Length: 30 ft
 - a. Gauge: 12. Conductor: 3. Cord Type: SOOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Four, 5-15R. NEMA Plug Configuration: 5-15P.
 - c. Reel Color: Yellow.
- 7. Model No: RTBB3L-4DD520-B12G. Two, 20 Amp Duplex. Cord Length: 30 ft
 - a. Gauge: 12. Conductor: 3. Cord Type: SOOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Four, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: Yellow.
- 8. Model No: RTBB3L-WGB520-J12F. One, 20 Amp Duplex/Blank, GFCI in Feed Cord.
 - a. Cord Length: 25 ft. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Two, 5-20R. NEMA Plug Configuration: 5-20P w/GFCI.
 - c. Reel Color: Yellow.
- 9. Model No: RTBB3L-WGB520-J12K. One, 20 Amp Duplex/Blank, GFCI in Feed Cord.
 - a. Cord Length: 50 ft. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. Amps: 20 maximum.
 - c. NEMA Connector: Two, 5-20R. NEMA Plug Configuration: 5-20P w/GFCI.
 - d. Reel Color: Yellow.
- 10. Model No: RTBB3L-4GB520-J12F. One, 20 Amp Duplex GFCI/Blank.
 - a. Cord Length: 25 ft. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Two, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: Yellow.
- 11. Model No: RTBB3L-4GB520-J12K. One, 20 Amp Duplex GFCI/Blank.
 - a. Cord Length: 50 ft. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Two, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: Yellow.
- 12. Model No: RTBB3L-WDD520-J12F. Two, 20 Amp Duplex.
 - a. Cord Length: 25 ft. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black.

- Amps: 20 maximum.
- b. NEMA Connector: Four, 5-20R. NEMA Plug Configuration: 5-20P.
- c. Reel Color: Yellow.
- 13. Model No: RTBB3L-WDD520-J12K. Two, 20 Amp Duplex. Cord Length: 50 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Four, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: Yellow.
- 14. Model No: RTBB3LW-1DD520-H12F. Two, 20 Amp Duplex. Cord Length: 25 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SEOW. White. Amps: 20 maximum.
 - b. NEMA Connector: Four, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: White.
 - d. Outlet Box Color: Black.
- 15. Model No: RTBB3LW-1DD520-J12F. Two, 20 Amp Duplex. Cord Length: 25 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Four, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: White.
 - d. Outlet Box Color: Black.
- 16. Model No: RTBB3LW-1DD520-J12K. Two, 20 Amp Duplex. Cord Length: 50 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Four, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: White.
 - d. Outlet Box Color: Black.
- 17. Model No: RTBB3LW-1DD520-P12F. Two, 20 Amp Duplex. Cord Length: 25 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. White. Amps: 20 maximum.
 - b. NEMA Connector: Four, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: White.
 - d. Outlet Box Color: Black.
- 18. Model No: RTBB3LW-1DD520-P12K. Two, 20 Amp Duplex. Cord Length: 50 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. White. Amps: 20 maximum.
 - b. NEMA Connector: Four, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: White.
 - d. Outlet Box Color: Black.
- 19. Model No: RTBB3LB-1DD520-J12F. Two, 20 Amp Duplex. Cord Length: 25 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Four, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: Black.
 - d. Outlet Box Color: Black.
- 20. Model No: RTBB3LB-1DD520-J12K. Two, 20 Amp Duplex. Cord Length: 50 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Four, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: Black.
 - d. Outlet Box Color: Black.
- 21. Model No: RTBB3LB-1GB520-J12F. One, 20 Amp GFCI/Blank. Cord Length: 25 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Two, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: Black.
 - d. Outlet Box Color: Black.
- 22. Model No: RTBB3LB-1GB520-J12K. One, 20 Amp GFCI/Blank. Cord Length: 50 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: Two, 5-20R. NEMA Plug Configuration: 5-20P.
 - c. Reel Color: Black.
 - d. Outlet Box Color: Black.

**** NOTE TO SPECIFIER ** Delete indoor use paragraph if not required or delete model number options not required.**

B. Cord Reels: RTB Series. NEMA 2. For Indoor Use. 300 VAC.

1. Model No: RTBB3LW-WW-J12F. Blunt ends. Cord Length: 25 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: White.
2. Model No: RTBB3LW-WW-J12K. Blunt ends. Cord Length: 50 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: White.
3. Model No: RTBB3LW-WW-P12F. Blunt ends. Cord Length: 25 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. White. Amps: 20 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: White.
4. Model No: RTBB3LW-WW-P12K. Blunt ends. Cord Length: 50 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. White. Amps: 20 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: White.
5. Model No: RTBB3LB-WW-J12F. Blunt ends. Cord Length: 25 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: Black.
6. Model No: RTBB3LB-WW-J12K. Blunt ends. Cord Length: 50 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SJOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: Black.

**** NOTE TO SPECIFIER ** Delete indoor use paragraph if not required or delete model number options not required.**

- C. Cord Reels: RTB Series. NEMA 4. For Outdoor (Wet Location) or Indoor Use. 600 VAC.
1. Model No: RTBA3L-WW-B16F. Blunt ends. Cord Length: 25 ft.
 - a. Gauge: 16. Conductor: 3. Cord Type: SOOW. Black. Amps: 10 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: Yellow.
 2. Model No: RTBA3L-WW-B16K. Blunt ends. Cord Length: 50 ft.
 - a. Gauge: 16. Conductor: 3. Cord Type: SOOW. Black. Amps: 10 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: Yellow.
 3. Model No: RTBB3L-WW-B14F. Blunt ends. Cord Length: 25 ft.
 - a. Gauge: 14. Conductor: 3. Cord Type: SOOW. Black. Amps: 15 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: Yellow.
 4. Model No: RTBB3L-WW-B14I. Blunt ends. Cord Length: 40 ft.
 - a. Gauge: 14. Conductor: 3. Cord Type: SOOW. Black. Amps: 15 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: Yellow.
 5. Model No: RTBB4L-WW-B14G. Blunt ends. Cord Length: 30 ft.
 - a. Gauge: 14. Conductor: 4. Cord Type: SOOW. Black. Amps: 12 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: Yellow.
 6. Model No: RTBB3L-WW-B12G. Blunt ends. Cord Length: 30 ft.
 - a. Gauge: 12. Conductor: 3. Cord Type: SOOW. Black. Amps: 20 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: Yellow.
 7. Model No: RTBB4L-WW-B12F. Blunt ends. Cord Length: 25 ft.
 - a. Gauge: 12. Conductor: 4. Cord Type: SOOW. Black. Amps: 16 maximum.
 - b. NEMA Connector: N/A. NEMA Plug Configuration: N/A.
 - c. Reel Color: Yellow.

**** NOTE TO SPECIFIER ** Pivot and Swivel bases are optional. Delete options not required.**

8. Pivot Base: RTBF-PVB. 345 degrees.
9. Swivel Base: RTBF-SWB3. 360 degrees continuous rotation. Conductor: 3.
10. Swivel Base: RTBF-SWB4. 360 degrees continuous rotation. Conductor: 4.

**** NOTE TO SPECIFIER ** Delete article if not required.**

2.5 CORD REELS (RTF Series)

- A. Cord Reels: RTF Series. Heavy Duty Industrial. NEMA 4x. Rated for indoor, outdoor, and corrosive use, including wet locations and dust environments.
1. Slip Ring: 600 VAC 35 Amp
 2. Mounting: Heavy duty formed steel base for ceiling, wall, or floor.
 3. Finish: Powder-coat. Color: Yellow.
 4. Adjustable 4 Roller Guide Arm: Possible Positions: 12.
 5. Adjustable Ratchet: Engaged (positive lock) or disengaged (constant tension) as needed.
 6. Ball Stop: Adjustable.
 7. Options:

**** NOTE TO SPECIFIER ** Delete options not required.**

- a. Conductor: 2 to 12 Conductors.
- b. AWG: 16 to 10.
- c. SOOW, welding, and grounding.
- d. Custom Cord Lengths: Up to 100 ft.
- e. Motorized.

**** NOTE TO SPECIFIER ** Delete model number options not required.**

8. Model No.: RTFD3L-WW-B16G. Cord Length: 30 ft.
 - a. Gauge: 16 Conductor: 3. Amps: 10 maximum.
9. Model No.: RTFD3L-WW-B16K. Cord Length: 50 ft.
 - a. Gauge: 16. Conductor: 3. Amps: 10 maximum.
10. Model No.: RTFB3L-WW-B16O. Cord Length: 70 ft.
 - a. Gauge: 16. Conductor: 3. Amps: 10 maximum.
11. Model No.: RTFD4L-WW-B16G. Cord Length: 30 ft.
 - a. Gauge: 16. Conductor: 4 Amps: 8 maximum.
12. Model No.: RTFD4L-WW-B16K. Cord Length: 50 ft.
 - a. Gauge: 16. Conductor: 4. Amps: 8 maximum.
13. Model No.: RTFA4L-WW-B16O. Cord Length: 70 ft.
 - a. Gauge: 16. Conductor: 4. Amps: 8 maximum.
14. Model No.: RTFD3L-WW-B14G. Cord Length: 30 ft.
 - a. Gauge: 14. Conductor: 3. Amps: 15 maximum.
15. Model No.: RTFD3L-WW-B14K. Cord Length: 50 ft.
 - a. Gauge: 14. Conductor: 3. Amps: 15 maximum.
16. Model No.: RTFJ3L-WW-B14O. Cord Length: 70 ft.
 - a. Gauge: 14. Conductor: 3. Amps: 15 maximum.
17. Model No.: RTFD4L-WW-B14G. Cord Length: 30 ft.
 - a. Gauge: 14. Conductor: 4. Amps: 12 maximum.
18. Model No.: RTFM4L-WW-B14K. Cord Length: 50 ft.
 - a. Gauge: 14. Conductor: 4. Amps: 12 maximum.
19. Model No.: RTFQ4L-WW-B14O. Cord Length: 70 ft.
 - a. Gauge: 14. Conductor: 4. Amps: 12 maximum.
20. Model No.: RTFD3L-WW-B12G. Cord Length: 30 ft.
 - a. Gauge: 12. Conductor: 3. Amps: 20 maximum.
21. Model No.: RTFH3L-WW-B12K. Cord Length: 50 ft.
 - a. Gauge: 12. Conductor: 3. Amps: 20 maximum.
22. Model No.: RTFQ3L-WW-B12O. Cord Length: 70 ft.
 - a. Gauge: 12. Conductor: 3. Amps: 20 maximum.

23. Model No.: RTFD4L-WW-B12G. Cord Length: 30 ft.
 - a. Gauge: 12. Conductor: 4. Amps: 16 maximum.
24. Model No.: RTFH4L-WW-B12K. Cord Length: 50 ft.
 - a. Gauge: 12. Conductor: 4. Amps: 16 maximum.
25. Model No.: RTFP4L-WW-B12M. Cord Length: 60 ft.
 - a. Gauge: 12. Conductor: 4. Amps: 16 maximum.
26. Model No.: RTFD3L-WW-B10G. Cord Length: 30 ft.
 - a. Gauge: 10. Conductor: 3. Amps: 25 maximum.
27. Model No.: RTFH3L-WW-B10K. Cord Length: 50 ft.
 - a. Gauge: 10. Conductor: 3. Amps: 25 maximum.
28. Model No.: RTFC4L-WW-B10G. Cord Length: 30 ft.
 - a. Gauge: 10. Conductor: 4. Amps: 20 maximum.
29. Model No.: RTFP4L-WW-B10K. Cord Length: 50 ft.
 - a. Gauge: 10. Conductor: 4. Amps: 20 maximum.

**** NOTE TO SPECIFIER ** Pivot and Swivel bases are options. Delete options not required.**

30. Pivot Base: RTBF-PVB. 345 degrees
31. Swivel Base: RTBF-SWB3. 360 degrees continuous rotation. Conductor: 3.
32. Swivel Base: RTBF-SWB4. 360 degrees continuous rotation. Conductor: 4.

**** NOTE TO SPECIFIER ** Delete article if not required. All cord reels listed are designed for lift or drag application, ie: ceiling mounted. Please contact us if your cord is being attached to moving machinery or if it will be suspended horizontally in the air. Additional cord reels are available, including motorized, retrieve cord reels, and cord reels for specialty applications. Please contact KH Industries for more information.**

2.6 CORD REELS (RTI/RTM Series)

- A. Cord Reels: RTI/RTM Series. High Amperage and High Cord Capacity Retractable Power Cord Reels. Built to NEMA 4 standards for indoor and outdoor use, including wet locations.
 1. Slip Ring: 600 VAC 35 to 150 Amp
 2. Mounting: Heavy duty formed steel stand.
 3. Finish: Powder-coat. Color: Yellow.
 4. Adjustable 4 Roller Guide Arm: Possible Positions: 12.
 5. Adjustable Ratchet: Engaged (positive lock) or disengaged (constant tension) as needed.
 6. Lifetime lubricated motor.
 7. Flying leads with threaded NPT connection on feed side.
 8. Options:

**** NOTE TO SPECIFIER ** Delete options not required.**

- a. Conductor: 2 to 20 Conductors.
- b. AWG: 16 to 2.
- c. Optional ball stop.
- d. Custom Cord Lengths: Up to 150 ft. of SOOW.
- e. Motorized options.

**** NOTE TO SPECIFIER ** Delete model number options not required.**

9. Model No.: RTIA3L-WW-B14U. Cord Length: 100 ft.
 - a. Gauge: 14. Conductor: 3. Amps: 15 maximum. Cord Type: SOOW.
10. Model No.: RTIA4L-WW-B14U. Cord Length: 100 ft.
 - a. Gauge: 14. Conductor: 4. Amps: 12 maximum. Cord Type: SOOW.
11. Model No.: RTIK3L-WW-B12U. Cord Length: 100 ft.
 - a. Gauge: 12. Conductor: 3. Amps: 20 maximum. Cord Type: SOOW.
12. Model No.: RTIL4L-WW-B12U. Cord Length: 100ft.
 - a. Gauge: 12. Conductor: 4. Amps: 16 maximum. Cord Type: SOOW.
13. Model No.: RTIL3L-WW-B10U. Cord Length: 100 ft.
 - a. Gauge: 10. Conductor: 3. Amps: 25 maximum. Cord Type: SOOW.
14. Model No.: RTIL4L-WW-B10U. Cord Length: 100 ft.

- a. Gauge: 10. Conductor: 4. Amps: 20 maximum. Cord Type: SOOW.
- 15. Model No.: RTID4L-WW-K8G. Cord Length: 30 ft.
- a. Gauge: 8. Conductor: 4. Amps: 45 maximum. Cord Type: SOOW.
- 16. Model No.: RTIP4L-WW-K8K. Cord Length: 50 ft.
- a. Gauge: 8. Conductor: 4. Amps: 45 maximum. Cord Type: SOOW.
- 17. Model No.: RTMR4L-WW-K8O. Cord Length: 70 ft.
- a. Gauge: 8. Conductor: 4. Amps: 45 maximum. Cord Type: SOOW.
- 18. Model No.: RTMH4L-WW-K6K. Cord Length: 50 ft.
- a. Gauge: 6. Conductor: 4. Amps: 55 maximum. Cord Type: SOOW.

**** NOTE TO SPECIFIER ** Pivot and Swivel bases are options. Delete options not required.**

- 19. Pivot Base: RTIM-PVB. 345 degrees.
- 20. Swivel Base: RTIM-SWB3. 360 degrees continuous rotation. Conductor: 3.
- 21. Swivel Base: RTIM-SWB4. 360 degrees continuous rotation. Conductor: 4.

**** NOTE TO SPECIFIER ** Delete article if not required.**

2.7 CORD REELS (RTS Series - Explosion Proof)

- A. Cord Reels: RTS Series. Hazardous Location Retractable Power Cord Reels. NEMA 4 rated for indoor, outdoor use, including wet locations and dust-environments.

- 1. Hazardous Duty Cord Reel for:
 - a. Class I Division 1, Groups C and D (flammable gases or vapors).
 - b. Class II, Division 1, Groups E, F and G (combustible dusts).
 - c. Class III, Division 1 (easily-ignitable fibers or flyings).
 - d. Class I, Zone 1, AEx d IIB, Ex d IIB.

**** NOTE TO SPECIFIER ** UL Listed applies to 3 and 4 conductor reels with cable only.**

- 2. UL Listed.
- 3. Slip Ring Rating: Voltage: 600. Amps: 30.
- 4. Body: Steel and aluminum.
- 5. Finish: Powder-coat. Color: Grey.
- 6. Feeder Cord: 4 ft.
- 7. Ratchet: Spring activated.
- 8. Ball stop.
- 9. Factory assembled with SOW cable.
- 10. Options:

**** NOTE TO SPECIFIER ** Delete options not required. Custom cord lengths available.**

- a. AWG: 16 - 10.
- b. Conductors: 3 - 10.
- c. Cord Length: 20 - 50 ft.

**** NOTE TO SPECIFIER ** Delete model number options not required.**

- 11. Model No.: RTSD3L-WW-B14E. Cord Length: 20 ft.
- a. Gauge: 14. Conductor: 3. Amps: 15 maximum. Cord Type: SO.
- 12. Model No.: RTSD3L-WW-B14K. Cord Length: 50 ft.
- a. Gauge: 14. Conductor: 3. Amps: 15 maximum. Cord Type: SO.
- 13. Model No.: RTSD4L-WW-B14E. Cord Length: 20 ft..
- a. Gauge: 14. Conductor: 4. Amps: 12 maximum. Cord Type: SO.
- 14. Model No.: RTSA4L-WW-B14K. Cord Length: 50 ft.
- a. Gauge: 14. Conductor: 4. Amps: 12 maximum. Cord Type: SO.
- 15. Model No.: RTSD3L-WW-B12G. Cord Length: 30 ft.
- a. Gauge: 12. Conductor: 3. Amps: 20 maximum. Cord Type: SO.
- 16. Model No.: RTSA3L-WW-B12K. Cord Length: 50 ft.
- a. Gauge: 12. Conductor: 3. Amps: 20 maximum. Cord Type: SO.
- 17. Model No.: RTSD3L-WW-B16K. Cord Length: 50 ft.
- a. Gauge: 16. Conductor: 3. Amps: 10 maximum. Cord Type: SO.

**** NOTE TO SPECIFIER ** Delete article if not required.**

2.8 CORD REEL STATIONS

A. Industrial Grade Cord Reel Station: Available in a variety of lengths and configurations.

1. Weather resistant system. Powder coated for durability.
2. Reels: NEMA 4X, maximum corrosive resistance.
3. Listed: UL
4. Protection: GFCI protected.
5. Lights: Power indicator. Current indicator.
6. Factory assembled; site delivered.
7. Lifting hook.
8. Amp Rating: 20.
9. Options:

**** NOTE TO SPECIFIER ** Delete options not required.**

- a. Custom configurations
- b. Breakaway cables
- c. High amperage panel
- d. Power, Standard: 120 V.
- e. Power, Optional: 240 V.
- f. Power distribution. Faceless GFCI or GFCI protected breaker panel.
- g. Raised foundation. Jersey barrier mounting kit available.
10. Configurable:
 - a. Fully Customizable: Providing power based on the unique specifications of any job site or application.
 - b. Reels: Can be configured with 1 to 4 reels
 - c. Pole Mounted: 6 ft. Reels mounted on one or two tiered elevations.
 - d. Pole Mounting: 3 ft. Reels mounted on single upper elevation.
 - e. Jersey Barrier Mount: Available.
11. Cord Reel Features:
 - a. Standard: NEMA 4X, UL, CSA.
 - b. Heavy duty RTF Series retractable cord reels are designed for outdoor use in corrosive environments.

**** NOTE TO SPECIFIER ** Delete cord length not required. 50 ft is the standard length.**

- c. Cord Length: 30 ft.
- d. Cord Length: 50 ft, standard.
- e. Cord Length: 60 ft.
- f. Cord Type: SOOW.
 - 1) Cord Color: Black.
- g. Color: Safety yellow (standard), black, or white.
12. Configurations: Standard.
 - a. Number of Reels: 1 - 4.
 - b. Reel - Cord Gauge: 12 AWG,
 - c. Product Payout End: NEMA 5-20R.

**** NOTE TO SPECIFIER ** Delete pole height/pole configuration options not required.**

- d. Pole Height: 6 ft.
 - 1) Pole Configuration: 4 x 1; Up to 4 reels on 1 tiered elevations.

**** NOTE TO SPECIFIER ** Delete electric box configuration options not required.**

- a) Electrical Box Configuration: Junction box with GFCI.
- b) Electrical Box Configuration: Load center with GFCI; Breaker panel.
- e. Pole Height: 6 ft.
 - 1) Pole Configuration: 4 x 2; Up to 4 reels on 2 tiered elevations.

**** NOTE TO SPECIFIER ** Delete electric box configuration options not required.**

- a) Electrical Box Configuration: Junction box with GFCI.
- b) Electrical Box Configuration: Load center with GFCI; Breaker panel.

- f. Pole Height: 3 ft.
 - 1) Pole Configuration: 4 x 1; Up to 4 reels on 1 tiered elevation for raised foundation.

**** NOTE TO SPECIFIER ** Delete electric box configuration options not required.**

- a) Electrical Box Configuration: Junction box with GFCI
- b) Electrical Box Configuration: Load center with GFCI; Breaker panel.

- 2) Jersey Barrier Mount Kit.

**** NOTE TO SPECIFIER ** Delete article if not required.**

2.9 STATIC DISCHARGE GROUNDING REELS - RTX

- A. Static Discharge Grounding Reels: Model series RTX Static Discharge Grounding Reels. Discharge Dangerous Static Electricity.
 - 1. Rugged all-steel construction. Compact design.
 - 2. Cord: Stranded steel.
 - a. Coating: None.
 - b. Coating: Orange nylon.
 - c. Constant spring tension keeps the cord from becoming tangled (can be locked).
 - 3. Grounding Clamp: 100 Amp.
 - 4. Rubber Ballstop: Adjustable.
 - 5. Finish: Powder coated paint. Corrosion resistant. Color: Red.

**** NOTE TO SPECIFIER ** Delete model number options not required.**

- 6. Model No.: RTX-DCBF RTX. Static Discharge Grounding Reel.
 - a. Uncoated Wire Rope: 25 ft.
- 7. Model No.: RTX-DCBK RTX. Static Discharge Grounding Reel.
 - a. Uncoated Wire Rope: 50 ft.
- 8. Model No.: RTX-DCOF RTX. Static Discharge Grounding Reel.
 - a. Orange Coated Wire Rope: 25 ft.
- 9. Model No.: RTX-DCOK RTX. Static Discharge Grounding Reel.
 - a. Orange Coated Wire Rope: 50 ft.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until the substrates have been properly constructed and prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction.

3.4 FIELD QUALITY CONTROL

- A. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

**** NOTE TO SPECIFIER **** Include if manufacturer provides field quality control with onsite personnel for instruction or supervision of product installation, application, erection, or construction. Delete if not required.

- B. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.

3.5 CLEANING AND PROTECTION

- A. Clean products in accordance with the manufacturers recommendations.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION