

This section includes a manufacturer's guide specification for a thermal tape/label printer - with sophisticated features and a range of accessories for project site usage. This section includes performance, proprietary, and descriptive type specifications; edit to avoid conflicting requirements.

PART 1 GENERAL

1.1 SECTION INCLUDES

In this article, select the components that are intended to be part of the content of this section and will not be included in other sections. Keep the statements brief and concise.

- A. Thermal labeling machine with accessories.
- B. Ribbon and tape rolls.

1.2 RELATED SECTIONS

- A. Section 15075 - Mechanical Identification
- B. Section 16075 - Electrical Identification

1.3 REFERENCES

List reference standards that are included within the text of this section. Edit the following as required to parallel any reference standards statements within this section. Acronyms used for well known standards (first example) and defined text for less or named standards (second example).

- A. ANSI/OSHA - Occupational Safety and Health Administration - Standard 29 CFR.
- B. UL - Underwriters Laboratories.

1.4 PERFORMANCE REQUIREMENTS

Restrict statements in this article to identify system performance requirements or function criteria only.

- A. Labels:[Permanent adhesive.] [Removeable adhesive backing.]
- B. [Printed labels resistant to oil, water, and solvents.]
- C. Printed Label Environment Temperature Service Range: [5 deg C to 49 deg C (40 deg F to 120 deg F)] [_____].

1.5 SUBMITTALS

Do not request submittals if drawings sufficiently describe the products of this section or if proprietary specifying techniques are used. The review of submittals increases the possibility of unintended

variations to drawings, thereby increasing the Specifier's liability. The following submittals are intended for review and acceptability.

- A. Section 01300: Submission procedures.
- B. Product Data: Manufacturer's product data describing Product, accessories, functional characteristics, features.
- C. Samples: Printed sample labels, 300 mm (12 inch) length, one for each item and color specified.
- D. User's Manual: Start-up and usage descriptions for printer unit plus each accessory.

1.6 QUALITY ASSURANCE

- A. Product Manufacturer: ISO 9001 Quality Certified.

1.7 DELIVERY, STORAGE, AND PROTECTION

- A. Section 01600: Transport, handle, store, and protect products.
- B. Protect component and accessories from theft or damage.

1.8 ENVIRONMENTAL REQUIREMENTS

- A. Section 01600: Environmental conditions affecting application of products on site.
- B. Restrict application of labels to manufacturer's label adhesive environment instructions.

1.9 SPECIAL WARRANTY

Most contracts specify a standard one year warranty; coordinate any desired manufacturer's warranty with the contract documents carefully.

- A. Section 01700: Warranties.
- B. Provide a [six (6) month] [twelve (12) month] manufacturer's warranty to include coverage for failure of printer to meet specified requirements.

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- A. Brady Identification Solutions
6555 W. Good Hope Road, Milwaukee, WI, 53223
P.O. Box 213, Milwaukee, WI, 53201
Phone: 1-800-537-8791
Fax # 1-800-292-2289
Web: www.bradyid.com

The "kit" described below includes the printer plus accessories identified in the subparagraph. Delete the option "Kit" in the paragraph and subparagraphs below if only the printer is required.

- B. Product Identifier: TLS2200™ Portable Label Maker [Kit]:
1. [Kit Includes:
 - a. Thermal labeling machine.
 - b. Battery pack and charger.
 - c. Sample Black ribbon cartridge.
 - d. Sample tape roll - 51 mm (2 inch) wide White.
 - e. Hard case.
 - f. Cleaning card.
 - g. Quick Start Guide Manual.]
- C. Substitutions: [Refer to Section 01600.] [Not permitted.] [Refer to Instructions to Bidders.]

2.2 LABEL PRINTER

- A. Features:
1. Font Sizes: From 2 to 43 mm (0.08 to 1.7 inches).
 2. Power: Operates on rechargeable 9 VDC batteries or 120 VAC power.
 3. Print Resolution: 200 dpi minimum.
 4. Font Placement: Capable of vertical and horizontal oriented placement.
 5. Built-in Symbols, Pictograms and Glyphs: 100 minimum.
 6. Built-in Bar Code: "3 of 9" symbology capability.
 7. Internal Memory: 10 kilobyte.
 8. Operating Languages: 12 resident.
 9. Built-in label cutter.
- B. Weight and Dimensions:
1. Weight: 1.14 kg (2.5 lbs).
 2. Size: 114 mm wide x 95 mm high x 305 mm long (4-1/2 wide x 3-3/4 inch high x 12 inches long).

Select one of more of the following accessories as required. The square bracketed items are included in the Kit described above.

- C. Accessories:
1. Soft padded carrying case with shoulder strap.
 2. [Hard carrying case.]
 3. Dust cover.
 4. AC power supply.
 5. [Battery charger]
 6. Spare battery pack.
 7. [Cleaning kit.]
 8. Download Software: VersaLabel™, for downloading data to [Windows] [Mac] compatible PC workstation.
 9. Communications cable for data transfer between printer and PC workstation.

2.3 TAPES AND RIBBONS

- A. Cartridge type to match printer.

Select one of more of the following label mediums as required. If multiple colors are required for the project, identify a color standard or include colors in a schedule at the end of this section.

- B. Ribbon:
1. Height: 51 mm (2 inches).
 2. Length: 22.8 m (75 feet long).
 3. Color: [Black] [Blue] [Green] [Magenta] [Red] [White].
- C. Tape:
1. Material: [Paper.] [Vinyl.] [Polypropylene.] [Nylon cloth.] [Polyester.] [Polyethylene.] [Polyimide.] [Polyolefin.] [Polypropylene.] [Tedlar®.]
 2. Height: [12 mm (1/2inch).] [25 mm (1 inch).] [51 mm (2 inch).]
 3. Length: [15.2 m (50 feet).] [10 m (33 feet).]
 4. Colors:
 - a. Solid Colors: [Black] [Blue] [Brown] [Gold] [Red] [Green] [Yellow] [Grey] [Orange] [Purple] [White] [Clear].
 - b. Reflective Colors: [Orange] [White] [Yellow].
 - c. With Removeable Adhesive: [White] [Yellow].

PART 3 EXECUTION

3.1 PREPARATION

- A. Clean substrate surface prior to applying labels.
- B. Apply temporary masking tape to establish label position accurately.
- C. Establish position as angle, plumb or level.

3.2 APPLICATION

- A. Remove backing release tape.
- B. Apply configured label to substrate surface with full contact.
- C. Press or roll firmly to assure full surface bond.

Add label locations as required for project equipment, pipe, ducts, conduit, valves, operating accessories, etc. Coordinate with mechanical and electrical divisions 15 and 16 respectively.

- D. Place mechanical labels as follows:
1. [_____].
- E. Place electrical labels as follows:
1. [_____].
- F. Place communications labels as follows:

1. [_____].

G. Place equipment labels as follows:

1. [_____].

3.3 PROTECTION OF FINISHED WORK

A. Section 01700: Protecting installed work.

B. Protect applied labels from damage.

3.4 MAINTENANCE

A. Turn over printer, printer user's manual, unused ribbons/tape materials, and specified printer accessories to Owner in clean and usable condition after Substantial Performance of the Work.

END OF SECTION