

SECTION 27 2120.15 – PATCH CORDS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Patch Cords, Copper and Fiber

1.2 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Related Drawings:
 - 1. IT – Technology Drawings

1.3 SUMMARY

- A. The devices described in this section shall be procured and delivered to the project site and shall match the construction phasing of this project. All timelines are described within the Bid manual phasing schedule.
- B. All manufacturer warranties shall start from the installation date and not necessarily the purchase date.
- C. Section includes the Copper and Fiber patch cords for the data infrastructure installation.
- D. All data horizontal and backbone cabling infrastructure (fiber and copper) has been installed by others and is NOT part of this bid.

1.4 SUBMITTALS

- A. Pricing for all devices shown within Article 2.2 – BILL OF MATERIAL BOM must be filled out and submitted with this bid proposal and shall include all unit and total pricing.
- B. Product Data: For each type of product indicated. Include dimensions and data on features, performance, electrical characteristics, ratings, and finishes.
- C. Product Data: Submit manufacturer's technical data, product specifications, installation instructions, and other pertinent information as applicable for each product or material specified.
- D. Samples of manufacturer's standard and extended warranties.
- E. Equipment List: Include every piece of equipment by model number, manufacturer, serial number, location, and date of original installation.

1.5 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain all materials from one (1) source from a single approved manufacturer for each product required within this specification.
- B. All devices procured and delivered, as part of this specification shall be new from the manufacturer. Refurbished devices will not be accepted for this project. The technology consultant will verify all devices prior to delivery and installation of all devices described within this specification.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Take care in handling products in accordance with manufacturer's instructions.
- B. Store indoors in original undamaged packaging, in a well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity. Store products upright in secure, protected area. Verify with manufacturers that site conditions are acceptable before receiving material.
- C. Environmental Conditions: Capable of withstanding the following environmental conditions without mechanical or electrical damage or degradation of operating capability:
 - 1. Interior, Controlled Environment: System components installed in temperature-controlled interior environments shall be rated for continuous operation in ambient temperatures of 36 to 122 deg F (2 to 50 deg C) dry bulb and twenty to ninety percent (20-90%) relative humidity.

1.7 WARRANTY

- A. Standard Manufacturer Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of any device and equipment related to operation, and equipment that fail in materials within specified warranty period.

PART 2 - PRODUCTS

2.1 PATCH CORDS

- A. The selected manufacturer will be PATCHBOX, 1219 Digital Drive, Suite 130, Richardson, TX 75081.
- B. Manufacturer and product numbers are described within the Bill of Material within this section.

2.2 EQUIPMENT – BOM

#	MFG	PART NO.	PRODUCT DESCRIPTION	QTY
1	PatchBox	PONE30UTPBK	PATCHBOX.ONE 30RU CAT.6A UTP BLACK FRAME 24 x 1.8M CASSETTES & 6 PATCHCATCH & 2	30
2	PatchBox	CONE30OM411	PATCHBOX.ONE 30RU OM4 CASSETTE LC-LC 1.8M	2
3	PatchBox	PONEIDLABEL	Patchbox.one / ID-Labels	6
4			Installation	1

2.3 CLEANING

- A. Remove rubbish and debris: Installation contractor is not allowed you use the onsite dumpster and is responsible to discard their own debris off site.
- B. Clean installed items using methods and materials recommended in writing by manufacturer.

END OF SECTION 27 2120.15

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TECHNOLOGY

SHERMAN SCHOOL RENOVATION PROJECT
SHERMAN SCHOOL CENTRAL ADMINISTRATION PROJECT
State Project No. 127-0009RNV / 127-0010 BE/RNV
PHASE 3 of 3

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