

SPECIFICATIONS

15 SUMMARY

- 1 PROVIDE ALL MATERIALS, EQUIPMENT AND PERFORMANCE LABOR TO INSTALL VOICE DATA SYSTEM COMPLETE AS SPECIFIED BY CODE AND AS SPECIFIED HEREIN.
12.08.16 AND 17V FOR ALL PERMITS, BONDS AND INSPECTIONS. COORDINATE INSPECTIONS WITH WORK AS IT PROCEEDS.
APPROVE: SUBMIT TO SUBMIT TO COMMUNITY ROOM WITH WORK OF OTHERS. NOTIFY CONCERNED PARTIES BEFORE PROCEEDING WITH WORK THAT WILL AFFECT THEM.
INSTALL SHAVE, EMPTY AND JUNCTION BOXES TO HAVE FULL STRING.
FURNISH AND INSTALL ALL BRANCH CABLES (CIRCUITS BETWEEN PANELS) AND THE FINAL TERMINALS AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
RECEIVE, STORE, INSTALL AND MAKE FINAL CONNECTIONS TO ALL TERMINALS AS SHOWN ON DRAWINGS AND SPECIFIED HEREIN.
MAKE ALL CONNECTIONS TO PUBLIC SUPPLIED EQUIPMENT. CABLE CONTRACTOR TO VERIFY ALL MANUFACTURER'S EQUIPMENT REQUIREMENTS PRIOR TO CONNECTION ANY CONFLICTS OR DEVIATION IN DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
FURNISH AND INSTALL ALL VOICE AND DATA WIRING DEVICES AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
IF THE CABLE CONTRACTOR IS FULLY RESPONSIBLE AND LIABLE FOR DAMAGED AND LOST MATERIALS FURNISHED BY PUBLIC, IT SHALL BE REQUIRED THAT THE CABLE CONTRACTOR SIGN OFF ON THE MATERIALS SUPPLIER BY PUBLIC.
13. PUBLIC RESERVES THE RIGHT TO FURNISH ANY ITEMS OF THE VOICE/DATA EQUIPMENT TO THE CABLE CONTRACTOR. IF THIS IS DONE, THE CABLE CONTRACTOR SHALL INSTALL THE EQUIPMENT AND ASSUME THE COST OF THE EQUIPMENT FROM THE CONTRACT COST. ADJUSTMENT WILL BE MADE BY CHANGE ORDER.
14. CONFLECTS, DISCREPANCIES, INTERFERENCES AND OMISSIONS IN THE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION PRIOR TO COMMENCEMENT OF WORK.

16 MATERIALS

- 16.1 MATERIALS REQUIRED: PRODUCT DATA, SAMPLES, PRODUCT PERFORMANCE CRITERIA, ETC TO:
PUBLIX SUPER MARKETS, INC.
ATTN: FACILITIES DESIGN
P.O. BOX 47, 3300 PUBLIX CORP. PKWY
LAKELAND, FL 32822 (320)11
16.2 WITHIN 30 DAYS OF CONTRACT COMMENCEMENT AUTHORIZATION TO PROCEED, SUBMIT FOR PUBLIC ENGINEER'S APPROVAL:
LIST OF MATERIALS INTENDED FOR USE IN THE PROJECT
MANUFACTURER'S CATALOG CUT SHEETS OF MATERIALS INTENDED FOR USE IN THE PROJECT. LIST OF SUPPLIERS NOT ACCEPTABLE.
16.3 THE ABOVE SHALL BE ONE OPTION B DESCRIBED, MARK TO INDICATE MODEL OR TYPE TO BE USED.
16.4 MATERIALS TO INCLUDE: WIRE, WIRING DEVICES, PERFORMANCE CHARACTERISTICS, SUPPORTS, STRAPS, ETC.
16.5 COPIES OF LICENSES OF KEY PERSONNEL, IF REQUESTED BY PUBLIC.
16.6 SAMPLES OF MATERIALS IF REQUESTED BY PUBLIC.
16.7 OTHER ITEMS REQUIRED TO COMPLETE THE WORK.
16.8 MUST THREE IDENTICAL BOUND COPIES OF ALL ITEMS ARRANGE CATEGORIES IN ORDER LISTED ABOVE.
16.9 COLLECT OUT DOCUMENTS.
16.10 PROVIDE COMPLETE SET OF MANUFACTURER'S WARRANTIES AND WARRANTY CERTIFICATES.
16.11 PROVIDE A COPY OF ALL TEST RESULTS AS REQUESTED BY THESE CONSTRUCTION DOCUMENTS.
16.12 PROVIDE A COPY OF THE FINAL APPROVAL FROM THE LOCAL BUILDING DEPARTMENT.
16.13 CABLE CONTRACTOR SHALL PREPARE AND PROVIDE A COPY OF ALL BUILT DRAWINGS.
16.14 BUILT DRAWINGS SHALL CONTAIN COMPLETE INFORMATION REGARDING ANY AND ALL CHANGES TO THE DESIGN DOCUMENTS, COMPONENTS AND/OR SYSTEMS FROM THE ORIGINAL DESIGN.

17 QUALITY

- 17.1 THE CABLE CONTRACTOR SHALL BE A REPUTABLE COMPANY REGULARLY ENGAGED IN THIS TYPE OF WORK, EMPLOYING SKILLED PERSONNEL AND WITH PROPER EQUIPMENT AND LICENSES.
17.2 UPON REQUEST, THE CABLE CONTRACTOR SHALL SHOW EVIDENCE OF AT LEAST TWO SIMILAR JOBS, OF COMPARABLE SIZE AND CHARACTER, INSTALLED AND OPERATING WITHIN THE PREVIOUS TWO YEARS TO BE OPENING.
17.3 CONTRACTOR SHALL PERFORM INITIAL SITE SURVEY TO ENSURE A SUCCESSFUL QUALITY INSTALLATION.
17.4 PUBLIC RESERVES THE RIGHT TO REFUSE ANY SUBCONTRACTOR WITH OR WITHOUT CAUSE.
17.5 GENERAL:
4.8 MPN OF AN EXPERIENCED SUPERVISOR TO OVERSEE ALL OPERATIONS.
4.9 WORK SHALL NOT PROCEED WITHOUT ADEQUATE SUPERVISOR PRESENT AT ALL TIMES.
4.10 WORK SHALL BE ACCURATELY DONE BY WORKERS CERTIFIED IN THEIR TRADE ACCORDING WITH REGULATIONS OF THE GOVERNING AUTHORITY OR CUSTOMARY PRACTICE. UTILIZE WORKERS WITH SKILLS IN PROPORTION TO THE COMPLEXITY OF THE TASKS REQUIRED.
4.11 PUBLIC RESERVES THE RIGHT TO REJECT PERSONNEL WITH OR WITHOUT CAUSE.

18 QUALITY STANDARDS

- 18.1 WORK SHALL BE ACCOMPLISHED TO ENSURE THE SAFETY TO ALL PERSONNEL BOTH DURING INSTALLATION AND AFTER OCCUPANCY.
18.2 WORK WILL BE LOADED BY PUBLIC IN CONNECTION TO WORK OF SIMILAR TYPE. SUBSEQUENT CONSTRUCTION AS ORDERED BY PUBLIC OR OTHERWISE WILL NOTIFY ACCEPTED.
18.3 STRAINERS SHALL MAKE ALL JUNCTION CONNECTIONS, LINES, ETC. WITH PROPER CARE TO ENSURE THAT TIGHT CONNECTIONS ARE MADE WITHOUT EXCESS MATERIAL, WELL SECURED TO THE PROPER SUPPORTS.
18.4 INSTALL CABLES WITH STRAIGHT RUNS ACCURATELY FORMED RADIATED BENDS AND ADEQUATE SUPPORTS.
18.5 TEST THE ENTIRE SYSTEM EACH CABLE CONNECTION SHALL BE TESTED TO MEET STATED MANUFACTURER'S PERFORMANCE CRITERIA.
18.6 SUBSTITUTIONS: ITEMS COMPLY WITH SECTION 01.05.00 PRODUCT OPTIONS AND SUBSTITUTIONS OF THE CONSTRUCTION DOCUMENTS (PM SHEETS). IN GENERAL, SUBSTITUTIONS ARE NOT PERMITTED.
18.7 RELATED STANDARDS:
16.10 COMPLY WITH ALL APPLICABLE PROVISIONS OF THE FOLLOWING CODES AND STANDARDS (LATEST VERSION ACCEPTED BY AUTHORITY HAVING JURISDICTION):
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
NATIONAL ELECTRIC CODE (NEC)
LOCAL UTILITY CODES
LOCAL BUILDING CODE
SAFETY CODES FOR MECHANICAL, ELECTRICAL, AND PLUMBING (M, E, P)
LATEST TIME A STANDARDS (TIME AS RELEASED)
OSHA FOR CONSTRUCTION.

19 TEMPORARY OPERATION

- 19.1 THE OWNER MAY REQUIRE OPERATION OF PARTS OF WHOLE OF THE INSTALLATION PRIOR TO ACCEPTANCE.
19.2 EMERGENCY REPAIRS:
19.3 THE OWNER RESERVES THE RIGHT TO MAKE EMERGENCY REPAIRS TO KEEP THE EQUIPMENT IN OPERATION WITH THE CONTRACTOR'S WARRANTIES NOT RELYING THE CONTRACTOR OF HIS RESPONSIBILITY DURING THE EMERGENCY PERIOD.
19.4 OPERATING INSTRUCTIONS AND SERVICE MANUAL.
19.5 PROVIDE TWO (2) HEAVY BOUND COPIES OF MAINTENANCE INSTRUCTIONS BOOKS AND PARTS LISTS REFERENCED TO ALL EQUIPMENT FURNISHED.
19.6 EACH SECTION SHALL BE NON-DANGEROUS. NO LIVE MAINTENANCE INSTRUCTIONS BOOKS, PARTS LISTS, SUPPLIERS INFORMATION AND INDIVIDUAL COMPONENT WARRANTIES. ALL IN SEPARATE SETS.

20 PRODUCTS

- 20.1 ALL MATERIALS SHALL BE OF THE BEST QUALITY.
20.2 ALL MATERIALS AND EQUIPMENT SHALL BE APPROVED AND LISTED.
20.3 ALL EQUIPMENT AND MATERIALS SHALL BE FURNISHED AS STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S PERFORMANCE REQUIREMENTS.
20.4 SUBSTITUTIONS: PERMITTED TO REQUIRE PRIOR WRITTEN APPROVAL FROM PUBLIC ENGINEERS.
20.5 CONTRACTOR SHALL PROVIDE PRODUCT CUT SHEETS FOR CHANGES AND SUBSTITUTIONS TO THE ENGINEER FOR CONSTRUCTION COMPLY WITH THE CUT SHEET SUBSTITUTIONS OF THE CONSTRUCTION DOCUMENTS (PM SHEETS).
20.6 SUBSTITUTIONS: PERMITTED TO REQUIRE PRIOR WRITTEN APPROVAL FROM PUBLIC ENGINEERS.
20.7 SUBSTITUTIONS: PERMITTED TO REQUIRE PRIOR WRITTEN APPROVAL FROM PUBLIC ENGINEERS.
20.8 CONTRACTOR TO PROVIDE AND INSTALL CABLE RATED FOR INTENDED ENVIRONMENT.
20.9 USE OF GEL FILLED CABLE SHALL UNDERGROUND INSTALLATIONS.
20.10 USE OF PLenum RATED CABLE ONLY WHEN PENETRATING THROUGH RISERS AND THROUGH RETURN AIR PLenums. NO OTHER USES SHALL BE PERMITTED UNLESS REQUIRED BY LOCAL ORDINANCE. CONTRACTOR MUST PROVIDE COPY OF SUCH ORDINANCE.
20.11 UTILIZE OPEN RATED CABLE IN ALL OTHER AREAS UNLESS OTHERWISE REQUIRED BY LOCAL ORDINANCE. CONTRACTOR SHALL PROVIDE COPY OF SUCH ORDINANCE.
20.12 CABLES AND TERMINATIONS:
APPROVED COPPER COMPONENTS ARE TYPICALLY NOT CONNECT CATEGORY 6 SYSTEMS PRODUCTS.
APPROVED FIBER OPTIC COMPONENTS ARE CORNING INC. CABLE SYSTEMS PRODUCTS.
20.13 TELEPHONE OUTLETS AND DATA PORTS:
20.14 PROVIDE OUTLETS AND PORTS AS INDICATED ON DRAWINGS.
20.15 PROVIDE STAINLESS STEEL COVER PLATES IN ALL FOOD PREP AREAS.
20.16 CABLE TELEPHONE CONTROL BOX IN TELEPHONE EQUIPMENT ROOM (COMM).

21 IDENTIFICATION

- 21.1 EACH OUTLET SHALL BE TESTED TO DEMONSTRATE THE CATEGORY 6 TRANSMISSION CAPABILITY TO TRANSMIT 100BASE-TX ETHERNET AND TO VERIFY THE INTEGRITY OF THE CABLE AND TERMINATION PROCESS. TESTING SHALL BE PERFORMED BETWEEN THE MODULAR JACKS AT THE COMMUNICATIONS OUTLET AND THE PANELS AT THE RESPECTIVE COMMUNICATIONS ROOM AND/OR CABINET.
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