

ELECTRICAL SPECIFICATIONS

1. SCOPE
THE WORK COVERED BY THIS SPECIFICATION INCLUDES THE COMPLETE ELECTRICAL SYSTEM, THE WORK TO BE PERFORMED UNDER THE ELECTRICAL SPECIFICATIONS AND DRAWINGS...

2. GENERAL
THIS SPECIFICATION IS INCLUSIVE FOR EACH ITEM REQUIRING ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO PROPERLY INSTALL, ALTER, ADJUST AND PUT IN OPERATION, THE COMPLETE ELECTRICAL SYSTEM.

THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER LAYOUT AND CONSTRUCTION OF THE WORK INCORPORATED IN THIS CONTRACT.

THE DRAWINGS AND SPECIFICATIONS SHALL BE UNDERSTOOD TO COVER, ACCORDING TO THEIR INTENT AND MEANING, CONTRACTORS AS DESCRIBED HEREIN...

DRAWINGS ARE GENERALLY DIAGNOSTIC. ROUTING OF CONDUIT AND RACEWAYS ARE SHOWN FOR CONCEPT, BUT DO NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING, NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK.

CONTRACTOR SHALL MAKE ANY REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS, SUCH AS OFFSETS, BENDS OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND BUILDING CONSTRUCTION...

IT IS INTENDED THAT EQUIPMENT SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS OF THE BUILDING, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLEARANCE OF PRESENTATION...

CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING AND REFINISHING OF BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OF THEIR WORK...

REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, AND REFINISHING.

ANY ITEMS AND EQUIPMENT SCHEDULED TO BE REMOVED THAT THE OWNER WANTS TO RETAIN SHALL BE REMOVED CAREFULLY (SO AS NOT TO DAMAGE THEM) AND TURNED OVER TO THE OWNER...

CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN CLEANUP DURING CONSTRUCTION. IF CONTRACTOR FAILS TO PROVIDE SUCH CLEANUP, THE ARCHITECT/ENGINEER WILL DIRECT ANOTHER CONTRACTOR TO PERFORM THE CLEAN-UP...

CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR CONDUIT, FIXTURES, DEVICES, EQUIPMENT, ETC. ALL SUPPORTING STEEL FOR ITEMS ABOVE A SUSPENDED CEILING SHALL BE FROM BUILDING STRUCTURAL ELEMENTS ONLY...

THE LOCATIONS SHOWN FOR ALL LIGHTING FIXTURES AND CEILING MOUNTED ELECTRICAL EQUIPMENT ARE DIAGNOSTIC. EXACT LOCATION SHALL BE DETERMINED FROM THE REFLECTED CEILING PLANS AND/OR ON THE JOB SITE BY THE ARCHITECT/ENGINEER'S REPRESENTATIVES...

CONTRACTOR SHALL PROVIDE SLEEVES IN BEAMS, FLOORS, COLUMNS AND WALLS AS SHOWN ON THE DRAWINGS, AS REQUIRED BY JOB SITE CONDITIONS, AND/OR AS SPECIFIED, WHEN INSTALLING THEIR WORK...

CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL CONTRACT DRAWINGS (BEFORE SUBMITTING THEIR BIDD) TO FAMILIARIZE HIMSELF WITH THE EXTENT OF THE GENERAL CONTRACTORS WORK, CEILING HEIGHTS AND CLEARANCE FOR INSTALLING THEIR WORK.

CONTRACTOR SHALL STORE ALL MATERIALS AND EQUIPMENT SHIPPED TO THE SITE IN A PROTECTED AREA. IF MATERIAL IS STORED OUTSIDE OF THE BUILDING, IT MUST BE STORED OFF THE GROUND...

3. CONTACT IN DOCUMENTS
GENERALLY, THE DRAWINGS ESTABLISH THE LOCATION, QUANTITY AND RELATIONSHIP OF THE PARTS OF THE WORK, AND THE SPECIFICATIONS DEFINE THE TYPE AND QUALITY OF MATERIALS AND WORKMANSHIP...

4. SHUT-DOWN OF SYSTEM
COORDINATE AND SEQUENCE DEMOLITION SO AS NOT TO CAUSE SHUTDOWN OF OPERATION OF SURROUNDING AREAS.

5. OVERTIME
ALL CONSTRUCTION WORK SHALL BE DONE ON REGULAR WORKING HOURS AND DAYS, UNLESS OTHERWISE NOTED. THE SYSTEM SHUT-DOWN OF CRITICAL SYSTEM SHALL BE DONE DURING OFF-BUSINESS HOURS OVER A WEEKEND PERIOD...

6. VISIT TO SITE
ATTENTION IS DIRECTED TO THE NECESSITY FOR CONTRACTOR TO VISIT THE SITE AND EXAMINE CONDITIONS AFFECTING THE PROPER EXECUTION OF THIS CONTRACT BEFORE ANY REQUIRED SUBMISSION OF PROPOSALS SHALL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS VISITED AND EXAMINED THE SITE.

7. LAWS, ORDINANCES AND REGULATIONS
ALL SYSTEMS SHALL CONFORM IN FULL AND/OR PART SHALL CONFORM TO ALL PERTINENT LAWS, ORDINANCES AND REGULATIONS OF ALL BODIES HAVING JURISDICTION AT ALL GOVERNING LEVELS...

WHERE APPLICABLE, ALL NEW MATERIAL SHALL BEAR THE UNDERWRITER'S SEAL OF APPROVAL, AS WELL AS THOSE SEALS OF ALL MUNICIPALITIES HAVING JURISDICTION...

THE ELECTRICAL CONTRACTOR SHALL SECURE AND PAY FOR ALL LICENSES REQUIRED BY THE GOVERNING BODIES TO OPERATE AS AN ELECTRICAL CONTRACTOR FOR THIS PROJECT.

8. WORKMANSHIP
ALL WORK TO BE PERFORMED SHALL BE DONE BY QUALIFIED MECHANICS. ALL MECHANICS IN THE EMPLOY OF THIS CONTRACTOR ON THIS PROJECT SHALL BE SKILLED IN THE PHASES OF THE WORK TO WHICH THEY ARE USED.

9. MATERIALS AND EQUIPMENT
ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL CONFORM TO THE GRADE, QUALITY AND STANDARD SPECIFIED HEREIN...

EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR TYPE AND CAPACITY OF EACH PIECE OF EQUIPMENT USED, UNLESS INDICATED OTHERWISE...

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THAT WORK OF THE OTHER TRADES. CONTRACTOR IS COMPLETELY RESPONSIBLE IF FAILURE ON HIS PART TO COORDINATE EFFORTS RESULTS IN EXTRA WORK HAVING TO BE DONE TO COMPLETE A TASK...

10. COORDINATION WITH OTHER TRADES
THE SEQUENCE FOR THE INSTALLATION OF ALL WORK SHALL BE COORDINATED BETWEEN ALL CONTRACTORS ON THE PROJECT AND IN STRICT ACCORDANCE WITH ARCHITECT/ENGINEER AND OWNERS STIPULATION AS CALLED FOR IN THE SPECIFICATION AND/OR AS DIRECTED.

11. SHOP DRAWINGS
THE CONTRACTOR IS REQUIRED TO SUBMIT SIX (6) SETS OF SHOP DRAWINGS FOR MATERIAL ITEMS SPECIFICALLY DESIGNATED AS REQUIRING SAME...

12. GROUNDING
PROVIDE ALL ELECTRICAL SYSTEM AND EQUIPMENT GROUNDS AS REQUIRED BY THE ELECTRICAL CODE AND AS MAY BE MODIFIED BY THE LOCAL AMENDMENT, THE LOCAL SAFETY CODE AND ALL APPLICABLE AGENCIES/AUTHORITIES.

13. WIRING - MANNER OF INSTALLATION
IN ALL LOCATIONS WHERE THIS IS PROHIBITED BY CODE, EXPOSED TO WEATHER UNDER FLOOR, IN SLAB OR EXPOSED TO MECHANICAL INJURY, PROVIDE RIGID STEEL CONDUIT...

14. WIRE AND CABLE
WIRE AND CABLE FOR BRANCH CIRCUITS AND SECONDARY FEEDERS WITHIN THE BUILDING SHALL BE OF COPPER, THERMOPLASTIC INSULATED, TYPE THHN, 600 VOLT, TYPE...

15. SPACING
SPACING WIRES SHALL BE DONE ONLY IN ACCESSIBLE OUTLET JUNCTION OR PULL BOXES. SPACINGS SHALL BE MADE STRICTLY IN ACCORDANCE WITH THE INSTRUCTIONS OF THE CABLE MANUFACTURER...

16. JUNCTION AND PULL BOXES
JUNCTION BOXES, PULL BOXES AND TERMINAL BOXES SHALL BE INSTALLED WHERE SHOWN ON THE DRAWINGS AND AT OTHER LOCATIONS AS REQUIRED TO FACILITATE THE PULLING OF CABLES...

17. MOTOR AND CONTROL WIRING
MOTORS FOR EQUIPMENT WILL BE PROVIDED AND SET IN PLACE BY RESPECTIVE TRADES INSTALLING THE EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL INSTALL STARTERS AND CONTROLLERS...

18. CONDUIT AND ELECTRICAL METALLIC TUBING
CONDUIT SHALL BE NO SMALLER THAN 3/4" INDI. CONDUIT AND ELECTRICAL METALLIC TUBING SHALL BE GALVANIZED STEEL.

19. OUTLET BOXES
GENERALLY, OUTLET BOXES OF PROPER TYPE AND NOT LESS THAN 4 INCHES SQUARE OR OCTAGONAL, AS REQUIRED BY BUILDING CONDITIONS, SHALL BE PLACED AT ALL LIGHT, RECEPTACLE AND SWITCH LOCATIONS...

20. WIRING DEVICES
ACCEPTABLE MANUFACTURERS: 1. HUBBELL 2. LEWIS 3. SIEMENS-IT 4. SQUARE D COMPANY

21. PLATES
SWITCH AND RECEPTACLE PLATES SHALL BE BRUSHED STAINLESS STEEL FINISH.

22. ENCLOSED SWITCHES
ACCEPTABLE MANUFACTURERS: 1. CUTLER-HAMMER 2. SIEMENS-IT 3. SQUARE D COMPANY

23. PANELBOARDS
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CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR PIPING, DUCTWORK, CONDUIT, TANKS, EQUIPMENT, ETC...

25. FIRE STOPPING
CONTRACTOR SHALL FIRE STOP ALL PENETRATIONS THRU FIRE RATED WALLS, PARTITIONS, ROOFS AND/OR FLOORS SO THAT THE INTEGRITY OF THE FIRE RATING IS NOT COMPROMISED BY THE CONTRACTOR'S INSTALLATION...

26. BALANCING
THE SYSTEM OF FEEDERS AND BRANCH CIRCUITS FOR POWER AND LIGHTING SHALL BE CONNECTED AS SHOWN ON THE DRAWINGS. THE CONNECTED LOADS ARE BALANCED ELECTRICALLY ON THE THREE PHASES AS CLOSELY AS POSSIBLE...

27. TESTING AND ADJUSTMENTS
ALL CONDUIT INSTALLED OVERHEAD SHALL BE RIGIDLY SUPPORTED FROM THE STRUCTURE ABOVE AND NOT FROM ANY PART OF THE ROOFING SYSTEM OR CEILING SYSTEM...

28. LIGHTING FIXTURES
LIGHT FIXTURES SHALL BE PROVIDED AS SPECIFIED ON DRAWINGS. ALL FIXTURES SHALL BE HUNG AND MOUNTED IN PLACE, PROPERLY WIRING, TESTED AND LEFT READY FOR OPERATION BY THE CONTRACTOR.

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31. CONSTRUCTION - TELEPHONE/DATA
Roses requires an independent and secure telephone and data service with the MPOE (point of entry) at the Rose Telephone Board located in the Rose electrical room.

32. CONSTRUCTION - FIRE ALARM SYSTEM
Furnish and install a complete, fully operational electrically supervised, closed circuit fire alarm system including control, wire, boxes, control panel, smoke detectors, duct smoke detectors, fire alarm annunciator with remote keypad, heat detectors, manual pull stations, audio/visual signal devices, and sprinkler water flow and supervisory switches.

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ANTHONY CASSATA ARCHITECT
2815 BUCKFIELD
SUITE 140
BROOKFIELD, MA 01505
(312) 666-6245
FAX: (312) 666-6123

DD'S DISCOUNTS

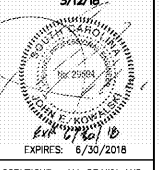
OWNER: ROSS STORES
5130 HACIENDA DRIVE
DUBLIN, CA 94568

PROJECT: dd's DISCOUNTS STORE #5352 (GREENVILLE, SC)

WHITE HORSE PLAZA
6119 WHITE HORSE ROAD
GREENVILLE, SC 29611

BASED ON DD'S 22K TURKEY - EXISTING
PROTOTYPE DATED MARCH, 2018

Table with columns: DRAWING TITLE, REV. NO., DATE, DESCRIPTION, and a grid for revision tracking.



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PFDA JOB #16027
SCALE AS NOTED
DRAWN BY: CHECKED BY: SHEET NUMBER E5.0