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Order

PLUMBING SPECIFICATIONS SCOPE OF WORK

WORK REQUIRED UNDER THIS SECTION CONSISTS OF ALL MATERIAL, LABOR EQUIPMENT, SERVICES, FEES AND ALL RELATED ITEMS WHICH ARE NECESSARY AND INCIDENTAL TO PROPER COMPLETION OF ALL PLUMBING SYSTEMS WORK INDICATED ON THE DRAWINGS AND DESCRIBED IN SPECIFICATIONS.

GENERAL

INSTALLATION SHALL COMPLY WITH OR EXCEED ALL APPLICABLE CODES, STATE AND CITY PLUMBING CODES, OSHA, ADA, ETC. AND THE BEST CURRENT PRACTICE. SYSTEMS SHALL BE COMPLETE WITH ALL ACCESSORIES, OBTAIN AND PAY FOR ALL PERMITS, INSPECTIONS, TESTS AND FEES. NO WORK SHALL BE COVERED OR ENCLOSED UNTIL TESTING AND APPROVED BY AUTHORIZED INSPECTION AUTHORITY. WRITTEN APPROVALS SHALL BE OBTAINED AND SUBMITTED TO THE ENGINEER BEFORE FINAL ACCEPTANCE.

SHOP DRAWINGS

CONTRACTOR SHALL SUBMIT TO THE ARCHITECT A COMPLETE SET OF SHOP DRAWINGS, GIVING DIMENSIONS, CAPACITY, KIND OF MATERIAL, FINISH, COLOR, GUARANTEE, ETC. PRIOR TO RELEASING FOR MANUFACTURE AND SHIPMENT OF ANY MATERIAL OR EQUIPMENT.

OPTIONAL EQUIPMENT

CONTRACTORS QUOTATION SHALL BE BASED ON THE EQUIPMENT AND MATERIALS SPECIFIED OR EQUAL EQUIPMENT. IF ALTERNATIVE (EQUAL) IS BID, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE & PROVE THAT THE EQUIPMENT IS EQUAL TO SPECIFIED EQUIPMENT.

WORKMANSHIP

ALL MATERIALS, EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN A CLASS WORKMANLIKE MANNER. THE ARCHITECT RESERVES THE RIGHT TO DIRECT THE REMOVAL OR REPLACEMENT OF ANY SYSTEM COMPONENT NOT INSTALLED IN A FIRST CLASS WORKMANLIKE APPEARANCE.

CUTTING, PATCHING AND REMOVAL OF RUBBISH

THIS CONTRACTOR SHALL DO ALL THE CUTTING AND PATCHING FOR INSTALLATION OF HIS WORK, OR WHERE DIRECTED, CONTRACTOR SHALL PAY OTHER TRADES FOR DOING THIS WORK FOR HIS PURPOSES.

RECORD DRAWINGS

MAINTAIN A SET OF CONTRACT DRAWINGS DURING CONSTRUCTION TO INDICATE DEVIATIONS OF EQUIPMENT AND PIPING WHICH VARY FROM THE ORIGINAL DRAWINGS. PROVIDE TO THE ENGINEER FOR APPROVAL AND TRANSMITTAL TO THE OWNER FOR HIS USE TO MAINTAIN, OPERATE AND REPAIR BOTH EXPOSED AND CONCEALED WORK.

WATER SERVICE

NEW WATER SERVICE, PLUMBING CONTRACTOR TO COORDINATE WITH GC AND LOCAL WATER COMPANY FOR EXACT REQUIREMENTS, FEES, ETC..

WATER PIPING

PROVIDE A COMPLETE WATER DISTRIBUTION SYSTEM FROM METER TO ALL WATER OUTLETS AND PLUMBING FIXTURES.

INTERIOR WATER PIPING APPROVED EQUALS:

COPPER:

COPPER TYPE "L" HARD, ABOVE FLOOR AND TYPE "K" BELOW FLOOR AND UNDERGROUND. INSULATE ALL WATER PIPING ABOVE FLOOR WITH 1/2" FIBERGLASS WITH ASL JACKET. COPPER WATER PIPING SHALL BE ASSEMBLED WITH WROUGHT COPPER FITTINGS USING LEAD FREE SOLDER CONFORMING TO ASTM B 32 AND APPROPRIATE FLUX CONFORMING TO ASTM B 813. JOINTS BELOW FLOOR SHALL BE SILVER SOLDERED. PROVIDE DRAIN VALVES ON LOW POINTS IN THE WATER PIPING SYSTEM, THE SUPPLIES TO EACH PLUMBING FIXTURE, TO EACH SILLCOCK AND TO EACH APPLIANCE.

PEX AND CPVC:

PIPE AND FITTINGS SHALL BE MANUFACTURED FROM VIRGIN RIGID CPVC VINYL COMPOUNDS WITH A CELL CLASS OF 24448 AS IDENTIFIED IN ASTM D 1784. FLOW GUARD GOLD CTS CPVC PIPE AND FITTINGS SHALL CONFORM TO ASTM D 2848. PIPE AND FITTINGS SHALL BE MANUFACTURED AS A SYSTEM AND BE THE PRODUCT OF ONE MANUFACTURER. ALL PIPE AND FITTINGS SHALL BE MANUFACTURED IN THE UNITED STATES. PIPE AND FITTINGS SHALL CONFORM TO NATIONAL SANITATION FOUNDATION (NSF) STANDARDS 14 AND 61. INSTALLATION SHALL COMPLY WITH LATEST MANUFACTURER INSTALLATION INSTRUCTIONS AND SHALL CONFORM TO ALL LOCAL PLUMBING, BUILDING AND FIRE CODE REQUIREMENTS. BURIED PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM F 1888. SOLVENT WELD JOINTS SHALL BE MADE USING CPVC CEMENT CONFORMING TO ASTM F 493. YELLOW ONE-STEP CEMENT MAY BE USED WITHOUT PRIMER. IF A PRIMER IS REQUIRED BY LOCAL PLUMBING OR BUILDING CODES, THEN A PRIMER CONFORMING TO ASTM F 856 SHOULD BE USED. THE SYSTEM SHALL BE PROTECTED FROM CHEMICAL AGENTS, FIRE STOPPING MATERIALS, THREAD SEALANT, PLASTICIZED VINYL PRODUCTS OR OTHER AGGRESSIVE CHEMICAL AGENTS NO COMPATIBLE WITH CPVC COMPOUNDS. SYSTEMS SHALL BE HYDROSTATICALLY TESTED AFTER INSTALLATION. NEVER TEST WITH OR TRANSPORT/STORE COMPRESSED AIR OR GAS IN CPVC PIPE OR FITTINGS.

HANGERS AND SUPPORTS

PROVIDE PIPING SYSTEMS WITH ADJUSTABLE CLEVIS HANGERS. HANGERS, ANCHORS AND SUPPORT HANGERS, ANCHORS AND SUPPORTS SHALL SUPPORT THE PIPING AND CONTENTS. HANGERS AND SUPPORT MATERIAL SHALL BE OF APPROVED MATERIAL THAT WILL NOT PROMOTE GALVANIC ACTION. HANGERS SHALL BE SECURELY ATTACHED TO CONSTRUCTION WITH STEEL BEAM CLAMPS, CONCRETE INSERTS, OR WELDED ATTACHMENTS AS REQUIRED. NO PIPING MAY BE SUPPORTED FROM ROOF DECK. THE FOLLOWING IS A SCHEDULE OF MAXIMUM SPACING FOR HANGERS AND SUPPORTS:

PIPING MATERIAL	HORIZONTAL SPACING	MAX VERTICAL SPACING
CAST IRON PIPE	10'-0"	15'-0"
COPPER OR COPPER-ALLOY PIPE	12'-0"	10'-0"
COPPER OR COPPER-TUBING 1-1/4" DIA. AND SMALLER	6'-0"	10'-0"
COPPER OR COPPER-TUBING 1-1/2" DIA. AND SMALLER	10'-0"	10'-0"
STEEL PIPE	12'-0"	15'-0"
PVC PIPE	4'-0"	4'-0"

IN ADDITION, PIPING SHALL HAVE SUPPORTS WITHIN 2'-0" OF EACH CHANGE IN DIRECTION AND AS REQUIRED TO AVOID STRAIN ON EQUIPMENT OR UNDESIRED STRESS ON FITTING. RIGID SUPPORT SWAY BRACING SHALL BE PROVIDED AT CHANGES IN DIRECTION GREATER THAN 45 DEGREES FOR PIPE SIZES 4 INCHES AND LARGER.

WATER HAMMER ARRESTORS

PROVIDE WATER HAMMER ARRESTORS ON ALL SUPPLIES TO PLUMBING FIXTURE WITH QUICK CLOSING OR SOLENOID VALVES. ARRESTORS SHALL CONFORM TO ASSE 1010. ACCESS SHALL BE PROVIDED TO WATER-HAMMER ARRESTORS.

BACKFLOW PREVENTERS

PROVIDE BACKFLOW PREVENTERS TO PROTECT POTABLE WATER SUPPLIES FROM CROSS-CONNECTIONS AS INDICATED ON PLANS OR AS REQUIRED BY APPLICABLE CODES, REGULATIONS, AND LOCAL HEALTH DEPARTMENT. ACCESS TO BACKFLOW PREVENTERS SHALL BE PROVIDED AS SPECIFIED BY THE INSTALLATION INSTRUCTIONS OF THE APPROVED MANUFACTURER. PIPE OVERFLOW TO NEAREST DRAIN AS REQUIRED.

VACUUM BREAKERS

CONNECT AT WATER HEATER AND ENSURE HOSE BIBS AND MOP SINK HAVE INTEGRAL VACUUM BREAKERS.

GAS SYSTEMS

CONTRACTOR SHALL COORDINATE GAS SERVICE WITH LOCAL UTILITY AND PAY ALL CHARGES MADE BY THE GAS COMPANY FOR THE SERVICE AND METER INSTALLATION. CONNECT TO METER AS SHOWN ON PLANS. PIPING TO BE SCHEDULE 40 BLACK STEEL PIPE WITH SCREWED MALLEABLE FITTINGS. PIPING AND VALVES SHALL BE INSTALLED IN ACCORDANCE WITH THE AMERICAN GAS ASSOCIATION AND LOCAL GAS SUPPLIER. BEFORE ANY GAS PIPING IS PUT IN SERVICE, SYSTEM MUST BE TESTED, TESTING, INSPECTION AND PURGING OF GAS PIPING SYSTEMS SHALL COMPLY WITH NFPA 54. EXTERIOR GAS PIPING SHALL BE PROTECTED AGAINST CORROSION. CLEAN AND PRIME PIPING WITH METAL PRIMER AND APPLY AN ENAMEL FINAL COAT. GAS PIPING ON GRADE SHALL BE SUPPORTED WITH "MIRO" PIPE STANDS MODEL 24-R OR EQUAL. INSTALL PIPE STANDS PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ADDITIONAL CONCRETE MATERIAL BENEATH STAND.

SANITARY/STORM PIPING

PROVIDE DRAIN, WASTE AND VENT PIPING TO ALL PLUMBING FIXTURES, FLOOR DRAINAGE AND EQUIPMENT REQUIRING DRAINAGE EXTENDED TO EXISTING SANITARY SEWER SYSTEM. VERIFY EXACT PIPE SIZE, LOCATION AND INVERT ELEVATIONS BEFORE PROCEEDING WITH ANY INSTALLATION OF NEW PIPING. GRADE HORIZONTAL WASTE LINES 1/8" PER FOOT. PRESSURE TEST SANITARY PIPING WITH A 5 PSIG AIR PRESSURE TEST FOR 30 MINUTES. IF AIR PRESSURE DROPS, REPAIR LEAKS AND RETEST.

- UNDERGROUND - SERVICE WEIGHT CAST IRON OR SCHEDULE 40 PVC WHERE APPROVED BY LOCAL AUTHORITY.
- ABOVE GRADE (2" AND UP) - SERVICE WEIGHT CAST IRON OR SCHEDULE 40 PVC WHERE APPROVED BY LOCAL AUTHORITY.
- 1-1/4" AND 1-1/2" WASTE - SCHEDULE 40 GALVANIZED STEEL WITH CAST IRON DRAINAGE FITTINGS.

VENT PIPING

SCHEDULE 40 GALVANIZED STEEL OR PVC PLASTIC. PVC MAY ONLY BE USED WHERE ALLOWED BY LOCAL INSPECTOR. NO VENT OUTLETS ABOVE ROOF SHALL BE INSTALLED WITHIN 20 FEET OF VENTILATING AIR INTAKE OR WITHIN 10 FEET OF WINDOWS. PROVIDE CHROME PLATED ESCUTCHEONS OF PROPER SIZE AND SHAPE TO FIT OVER FITTINGS WHERE WASTE AND VENT LINES PASS THROUGH WALLS, FLOORS AND CEILINGS.

ABS:

PIPES SHALL BE BLACK IN COLOR AND SHALL BE THE SAME WALL THICKNESS AS THAT OF SCHEDULE 40 (IPS) STANDARD STEEL PIPE. FITTINGS SHALL BE BLACK IN COLOR AND HAVE THE DIMENSIONS AND TOLERANCES OF THOSE SPECIFIED IN THE ASTM D2848 PIPE AND FITTINGS SHALL BE MANUFACTURED AS A SYSTEM AND BE THE PRODUCT OF ONE MANUFACTURER. ALL PIPE AND FITTINGS SHALL BE MANUFACTURED IN THE UNITED STATES. STORAGE OF PIPE AND FITTINGS SHALL NEVER BE STORED IN DIRECT SUNLIGHT FOR AN EXTENDED PERIOD OF TIME. THE STORAGE OF PIPE AND FITTINGS DURING NORMAL CONSTRUCTION PERIOD IS ALLOWED, BUT SHALL BE STORED IN SUCH A MANNER AS TO PREVENT SAGGING AND BENDING. PIPE SHALL BE JOINED TOGETHER WITH SOLVENT CEMENT IN ACCORDANCE WITH ASTM STANDARD D 2235. INSTALLATION SHALL COMPLY WITH THE LATEST MANUFACTURER INSTALLATION AND SHALL CONFORM TO LOCAL PLUMBING, BUILDING AND FIRE CODE REQUIREMENTS. ALL EXPOSED PIPE AND FITTINGS SHALL BE PROTECTED BY A WATER BASE SYNTHETIC LATEX PAINT. ADEQUATE SUPPORT SHALL BE PROVIDED WHERE PIPING IS EXPOSED TO WIND, SNOW, AND ICE LOADING.

PLUMBING FIXTURES

FURNISH STOPS FOR EACH FIXTURE. REFER TO LOCAL CONSTRUCTION CODE FOR SPECIAL MOUNTING HEIGHTS OF FIXTURES FOR USE BY PHYSICALLY HANDICAPPED PERSON. (P.H.) REFER TO PLUMBING PLAN FOR PLUMBING FIXTURE SPECIFICATIONS.

DISINFECTATION OF POTABLE WATER SYSTEM

NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE CLEANED AND DISINFECTED PRIOR TO UTILIZATION. FOLLOW METHOD PRESCRIBED BY THE LOCAL HEALTH AUTHORITY OR WATER DEPARTMENT HAVING JURISDICTION. IF METHOD IS NOT PRESCRIBED, THE FOLLOWING METHOD SHALL BE UTILIZED.

- THE PIPE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT THE POINTS OF OUTLET.
- THE SYSTEM OR PART THEREOF SHALL BE FILLED WITH A WATER/CHLORINE SOLUTION CONTAINING AT LEAST 50 PARTS PER MILLION OF CHLORINE AND SHALL BE VALVED OFF AND ALLOWED TO STAND FOR 24 HOURS 1. OR THE SYSTEM OR PART THEREOF SHALL BE FILLED WITH A WATER/CHLORINE SOLUTION CONTAINING AT LEAST 200 PARTS PER MILLION OF CHLORINE AND ALLOWED TO STAND FOR 3 HOURS.
- FOLLOWING THE REQUIRED STANDING TIME, THE SYSTEM SHALL BE FLUSHED WITH CLEAN POTABLE WATER UNTIL THE CHLORINE IS PURGED FROM THE SYSTEM.
- THE PROCEDURE SHALL BE REPEATED WHERE SHOWN BY A BACTERIOLOGICAL EXAMINATION THAT CONTAMINATION REMAINS PRESENT IN THE SYSTEM.

DOMESTIC WATER HEATER

PROVIDE AND INSTALL A DOMESTIC WATER HEATER (1500 WATT, 120 VOLT) TYPE AND SIZE AS INDICATED ON DRAWINGS. WATER HEATER SHALL BE AGA CERTIFIED TO ANSI TEST STANDARDS AT 300 PSI TEST PRESSURE AND 150 PSI WORKING PRESSURE. THE STORAGE TANK SHALL BE GLASS LINED AND HAVE A PROTECTIVE MAGNESIUM ANODE ROD TO INHIBIT CORROSION. HEATER SHALL HAVE 1" NON-CFC FOAM INSULATION. HEATER SHALL BE EQUIPPED WITH AN ADJUSTABLE AUTOMATIC TEMPERATURE CONTROLS. WATER HEATER SHALL HAVE A SIX YEAR COMMERCIAL WARRANTEE ON TANK AND PARTS. WATER HEATER SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE AND INSTALL AN APPROVED SELF CLOSING TYPE COMBINATION TEMPERATURE AND PRESSURE RELIEF VALVE.

GUARANTEE

CONTRACTOR SHALL GUARANTEE THE ENTIRE SYSTEM FOR A PERIOD OF ONE YEAR FROM THE FINAL ACCEPTANCE.

HEATING VENTILATING AND AIR CONDITIONING SPECIFICATIONS

GENERAL

ALL WORK SHALL BE DONE IN CONFORMITY WITH APPLICABLE STATE AND LOCAL GOVERNING CODES AND STANDARDS INCLUDING OSHA, ASME, ASHRAE, UL, ARI, SMACNA AND THE BEST CURRENT PRACTICE. SYSTEMS SHALL BE COMPLETE WITH ALL ACCESSORIES, OBTAIN AND PAY FOR ALL PERMITS, INSPECTIONS, TESTS AND FEES. NO WORK SHALL BE COVERED OR ENCLOSED UNTIL TESTED AND APPROVED BY AUTHORIZED INSPECTION AUTHORITY. WRITTEN APPROVALS SHALL BE OBTAINED AND SUBMITTED TO ENGINEER BEFORE FINAL ACCEPTANCE.

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SHOP DRAWINGS FOR APPROVAL

BEFORE RELEASING FOR MANUFACTURE AND SHIPMENT ANY EQUIPMENT OR MATERIAL SPECIFIED OR REQUIRED, THIS CONTRACTOR SHALL SUBMIT TO THE ENGINEERS A COMPLETE SET OF SHOP DRAWINGS GIVING DIMENSIONS, CAPACITY OF RATING, KIND OF MATERIAL, FINISH, GUARANTEE, ETC. AND SUCH OTHER DETAILED INFORMATION THAT THE ENGINEERS MAY REQUIRE.

CUTTING, PATCHING AND REMOVAL OF RUBBISH

THIS CONTRACTOR SHALL DO ALL THE CUTTING AND PATCHING FOR INSTALLATION OF HIS WORK, OR WHERE DIRECTED, CONTRACTOR SHALL PAY OTHER TRADES FOR DOING THIS WORK FOR HIS PURPOSES.

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MECHANICAL GENERAL

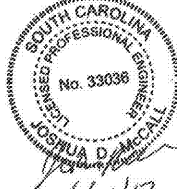
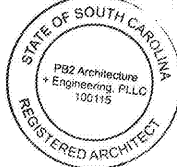
- THIS CONTRACTOR FOR HIS WORK REFERRED TO "INSTRUCTIONS TO BIDDERS" AND "GENERAL CONDITIONS" AND "SPECIAL CONDITIONS" AS PART OF THIS CONTRACT.
- CONTRACTOR ALSO REFERRED TO ALL ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND OTHER OWNER DRAWINGS PERTAINING TO PROJECT. ALL OF ABOVE MENTIONED DRAWINGS, AS WELL AS THEIR RESPECTIVE SPECIFICATIONS, ARE A PART OF THE CONTRACT DOCUMENTS.
- MECHANICAL DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER, FURNISH ANY MATERIAL OR LABOR CALLED FOR IN ONE EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH.
- INSTALL AND CONNECT EQUIPMENT, SERVICES AND MATERIALS IN ACCORDANCE WITH BEST ENGINEERING PRACTICE AND ACCORDANCE WITH VARIOUS MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. FURNISH AND INSTALL COMPLETE AUXILIARY PIPING, VALVES, WATER SEALS, ELECTRICAL CONNECTIONS, ETC. RECOMMENDED BY MANUFACTURER OR REQUIRED FOR PROPER OPERATION.
- FURNISH MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON DRAWINGS OR CALLED FOR IN SPECIFICATIONS, BUT WHICH IS OBVIOUSLY A COMPONENT PART OF AND NECESSARY TO COMPLETE WORK OF SIMILAR CHARACTER.
- THIS CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS OR LICENSES REQUIRED TO CARRY OUT THIS WORK. CONTRACTOR SHALL PAY FOR ALL CHARGES MADE BY INSPECTION. NOTE: ALL CONTRACTORS SHALL BE LICENSED IN THE COUNTY, CITY, ETC. TO PERFORM ALL NEW WORK.
- THIS CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES AND ALL LOCAL LEGAL REQUIREMENTS. ALL LAWS, RULES AND REGULATIONS OF STATE AND LOCAL GOVERNING AGENCIES SHALL BE CONSIDERED A PART OF THE SPECIFICATIONS AS FULLY AS IF WRITTEN HEREIN.
- THIS CONTRACTOR SHALL TAKE OUT PERMIT WITH PROVISIONS OF INSPECTION BEFORE STARTING ANY WORK. FEE FOR SAME SHALL BE PART OF THIS CONTRACT.
- WHEN WORK IS COMPLETED, THIS CONTRACTOR SHALL FURNISH TO THE ARCHITECT CERTIFICATES OF APPROVAL FROM THE RESPONSIBLE INSPECTION AGENCIES BEFORE FINAL PAYMENT OF CONTRACT WILL BE ALLOWED.
- TESTING OF ALL WORK UNDER THIS CONTRACT SHALL BE DONE BY THE CONTRACTOR IN THE PRESENCE OF THE OWNER OR HIS REPRESENTATIVE. ALL APPARATUS, EQUIPMENT, FIXTURES, ETC., SHALL FULLY MEET THE REQUIREMENTS OF THESE SPECIFICATIONS AND DRAWINGS.
- THE BID SHALL CONTEMPLATE THE FURNISHING AND INSTALLING OF MATERIAL AND EQUIPMENT, EXACTLY AS SPECIFIED OR SHOWN AS SIMILAR BY THE CONTRACT DOCUMENTS. THE CONTRACTOR SUBMITTING ON SIMILAR EQUIPMENT WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH CHANGES IN ARCHITECTURAL, STRUCTURAL, MECHANICAL AND/OR ELECTRICAL TRADES DUE TO THE SIMILAR EQUIPMENT CHARACTERISTICS SUBMITTED.
- INSTALL FINAL APPLICATION OF LUBRICATION OIL, REFRIGERANT CHARGE, AND ALL OTHER SUPPLIES NECESSARY TO PLACE THE EQUIPMENT IN OPERATION.
- CONTRACTOR SHALL GUARANTEE HIS WORK TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE.
- ALL POWER WIRING OF MECHANICAL EQUIPMENT SHALL BE DONE BY THE ELECTRICAL CONTRACTOR. FURNISH THE ELECTRICAL CONTRACTOR WIRING DIAGRAMS FOR ALL ELECTRICALLY POWERED EQUIPMENT PROVIDED WITH THE CONTRACT WHICH SHALL INDICATE THE SERVICE REQUIRED AND ELECTRICAL LOAD INVOLVED.
- SUBMIT SHOP DRAWINGS, CATALOG SHEETS FOR EQUIPMENT, FIXTURES, DUCTWORK LAYOUT, WIRING DIAGRAMS, ETC., IN SIX (6) COPIES TO THE ARCHITECT FOR REVIEW. EACH CONTRACTOR IS RESPONSIBLE TO DISTRIBUTE APPROVED SHOP DRAWINGS TO ALL OTHER TRADES AFFECTED BY HIS WORK, EQUIPMENT, ETC., FOR COORDINATION.
- ASSEMBLE AND SUBMIT TO THE ARCHITECT FOR SUBSEQUENT SUBMISSION TO THE OWNER, TWO (2) COMPLETE SETS OF OPERATIONS MANUALS AND MAINTENANCE REQUIREMENTS, COPY OF FIXTURE COPY WITH MANUFACTURER'S NAME AND MODEL NUMBER, EQUIPMENT WARRANTIES, ETC., FOR EACH ITEM FURNISHED.
- ALL CONTRACTORS MUST COORDINATE EACH PIECE OF EQUIPMENT WITH ALL OTHER TRADES (GENERAL CONTRACTOR, PLUMBING CONTRACTOR, MECHANICAL CONTRACTOR, ELECTRICAL CONTRACTOR, ETC.) AFFECTED BY THAT PIECE OF EQUIPMENT (ROOF OPENINGS, WEIGHTS, POWER REQUIREMENTS, VOLTAGES, ETC.) PRIOR TO ORDERING EQUIPMENT AND AGAIN PRIOR TO INSTALLATION. NO EXTRA COMPENSATION WILL BE APPROVED IF COORDINATION IS NOT PERFORMED BY EACH RESPECTIVE CONTRACTOR AND SUBCONTRACTOR.

STIPULATION FOR REUSE
 THIS DRAWING WAS PREPARED FOR
 A SPECIFIC PROJECT AND SITE.
 IT IS NOT TO BE REUSED FOR ANY
 OTHER PROJECT WITHOUT THE
 EXPRESS WRITTEN PERMISSION
 OF THE ARCHITECT. ANY REUSE
 OF THIS DRAWING FOR ANY
 OTHER PROJECT WITHOUT THE
 EXPRESS WRITTEN PERMISSION
 OF THE ARCHITECT IS UNLAWFUL
 AND WILL BE HELD CONTRARY TO
 THE LAW.

FAMILY DOLLAR STORE
 1145 WHITE HORSE RD.
 GREENVILLE, SOUTH CAROLINA
 JOB NUMBER: 2017.0123

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