

GENERAL NOTES

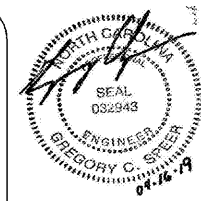
ALL NOTES MAY NOT APPLY.

MECHANICAL NOTES:

- 1. IT IS THE INTENT AND MEANING OF THE CONSTRUCTION DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE A MECHANICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLY INCIDENTAL, OR CUSTOMARILY INCLUDED EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN.
2. THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE REQUIREMENTS OF THE CONTRACT. UPON COMMENCEMENT OF CONSTRUCTION FOR THE WORK INCLUDED IN THIS CONTRACT, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH A STUDY OR EXAMINATION AND THAT HE IS FAMILIAR WITH AND ACCEPTS ALL CONDITIONS OF THE PREMISES.
3. PROVIDE EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICES NECESSARY FOR OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATING HVAC OR PLUMBING SYSTEM AS SHOWN OR INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY ADJACENT WITH WHICH WORK COMES IN CONTACT OR OVER WHICH HE MAY TRANSPORT, HOIST OR MOVE MATERIALS, EQUIPMENT, DEBRIS, ETC. AND SHALL REPAIR SATISFACTORILY ALL DAMAGES CAUSED BY HIM DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE WITH NEW MATERIALS AND/OR EQUIPMENT FAILING TO GIVE SATISFACTORY SERVICE DURING THE WARRANTY PERIOD. THE CONTRACTOR SHALL COORDINATE AND NOTIFY THE BUILDING OWNER AND OPERATOR FOR APPROVAL AND SCHEDULING OF ANY BUILDING OR EXISTING TENANT SYSTEM INTERRUPTION.
4. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH CONTRACT DOCUMENTS, APPLICABLE CODES AND STANDARDS, AND, IN THE CASE OF DIFFERENCES BETWEEN APPLICABLE CODES AND STANDARDS AND THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT/ENGINEER AND THE OWNER IN WRITING OF SUCH DIFFERENCES. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, HE SHALL BEAR ALL COSTS ARISING IN CORRECTING SUCH DEFECTS. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REGULATIONS AND APPLICABLE REQUIREMENTS OF NATIONALLY ACCEPTED CODES AND STANDARDS.
5. THE DRAWINGS WERE PREPARED FROM THE BEST INFORMATION AVAILABLE, BUT DO NOT ATTEMPT TO INDICATE THE LOCATION OF ALL EXISTING EQUIPMENT. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS SURROUNDING THE INSTALLATION OF HIS WORK PRIOR TO PROCEEDING WITH THE INSTALLATION. CHANGES REQUIRED TO THE DESIGN SHOWN ON THESE DRAWINGS DUE TO EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER/OWNER FOR REVIEW BY WAY OF SHOP DRAWINGS OR SKETCHES DETAILING THE EXISTING CONDITIONS AND THE PROPOSED CHANGE.
6. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR SERVICE INTENDED, AS INTERPRETED BY THE ENGINEER. EXPERIENCED CRAFTSMEN SHALL MAKE THE INSTALLATION OF ALL EQUIPMENT IN A NEAT WORKMANSHIP LIKE MANNER. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, TOOLS, COST AND SERVICE NECESSARY TO COMPLETELY INSTALL ALL MECHANICAL WORK. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE AS SCHEDULED OR APPROVED EQUAL.
7. COORDINATE THERMOSTAT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL THERMOSTAT ABOVE DIMMER SWITCH.
8. PROPERLY SUPPORT ALL EQUIPMENT AND PIPING WITHIN THE BUILDING AND PROVIDE ADEQUATE PROVISIONS FOR SLOPE AND ANCHORAGE. CONTRACTOR SHALL USE HANGERS, RODS AND INSERTS APPROVED BY UNDERWRITERS LABORATORIES FOR THE SERVICE INTENDED, SECURELY SUPPORTED BY STRUCTURAL MEMBERS WHICH IN TURN ARE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE.
9. PROVIDE VIBRATION ISOLATION FOR MOTOR DRIVEN MECHANICAL EQUIPMENT.
10. ALL FANS SHALL CARRY THE CERTIFIED RATING SEAL AUTHORIZED BY AMCA.
11. PROVIDE FLEXIBLE DUCTWORK CONNECTIONS AT EQUIPMENT.
12. DUCTWORK SHALL BE CONSTRUCTED ACCORDING TO SMACNA STANDARDS. DUCT AND FIRE DAMPER SIZES SHOWN ARE AIRSTREAM DIMENSIONS. ALL LONGITUDINAL AND TRANSVERSE SEAMS AND DUCT CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED WITH TAPES OR MASTICS MEETING UL 181A OR UL181B, WELDS, OR GASKETS.
13. INSULATE NEW SUPPLY AND RETURN DUCTWORK AND PLENUMS WITH EITHER EXTERNAL INSULATION TYPE IV DUCT WRAP OR INTERNAL DUCT LINER, 1.5 PCF MINIMUM DENSITY. (SIZES SHOWN ARE AIRSTREAM DIMENSIONS.) DUCTWORK AND PLENUMS WITHIN UNCONDITIONED SPACES SHALL HAVE MINIMUM R-6 INSULATION. EXTERIOR DUCTWORK SHALL HAVE MINIMUM R-8 INSULATION.
14. DIFFUSERS, REGISTERS AND GRILLES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE AND SHALL BE PROVIDED WITH FRAMES COMPATIBLE WITH CEILING TYPE. DO NOT SPAN AIR DEVICES OVER PARTITIONS.
15. PROVIDE AN AIR BALANCING DEVICE FOR EACH SUPPLY AIR OUTLET AND ZONE TERMINAL DEVICE. PROVIDE YOUNG REGULATORS WITH BOWDEN CABLE CONTROL FOR ALL DAMPERS ABOVE INACCESSIBLE CEILING. COORDINATE EXACT LOCATION OF ESCUTCHEONS IN CEILING WITH ARCHITECT PRIOR TO INSTALLATION.
16. CONTRACTOR TO VERIFY RETURN AIR PATH AND INCORPORATE RETURN AIR TRANSFER THROUGH WALLS AS NECESSARY. OPENING SIZED FOR A MAXIMUM OF 500 CFM UNLESS NOTED OTHERWISE.
17. COORDINATE ALL WALLS TO DECK WITH EXISTING DUCTWORK AND EXISTING TERMINAL UNITS.
18. BALANCING OF WATER AND AIR SYSTEMS SHALL BE PROVIDED UNDER THIS CONTRACT FOR ALL SYSTEMS WITHIN TENANT BORDERS AND ADJACENT AREAS THAT MAY BE AFFECTED BY BALANCING FOR THIS TENANT. BALANCING CONTRACTOR TO REVIEW DRAWINGS AND NOTIFY THE CONTRACTOR OF APPURTENANCES NEEDED FOR A PROPERLY BALANCED SYSTEM. TEST AND BALANCE CONTRACTOR TO BE T.A.B. CO.
19. PROVIDE NEBB CERTIFIED AIR BALANCE REPORT.
20. COLD AND HOT WATER PIPING SHALL BE TYPE L HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS. PROVIDE SOFT COPPER PIPING UNDER SLAB TO AVOID UNDERGROUND FITTINGS.
21. INSULATE DOMESTIC HOT WATER AND RECIRCULATION LINES (1" THICK) AND DOMESTIC COLD WATER LINES (1/2" THICK) WITH OWENS CORNING FIBERGLASS 25 ASJ, JOHN-MANVILLE AP OR APPROVED EQUAL, SEALED TO PREVENT SWEATING AND CONTINUOUS THROUGH WALLS, FLOORS, CEILINGS. ALL HOT WATER PIPING SHALL BE INSULATED PER THE ENERGY CODE. COLD WATER PIPING SHALL BE INSULATED IN EXTERIOR WALLS, CEILINGS OR IN SPACES EXPOSED TO OUTDOOR TEMPERATURES WITH 1" THICK FIBERGLASS INSULATION.
22. SOIL, WASTE AND DRAIN PIPING, 2" AND LARGER, SHALL BE SERVICE WEIGHT CAST IRON. WASTE PIPING BELOW THE SLAB SHALL HAVE BELL AND SPIGOT CAST IRON MANUFACTURED TO ASTM A 74 WITH TY-SEAL GASKETS MANUFACTURED TO ASTM C 564. CAST IRON PIPING ABOVE THE SLAB SHALL BE "NO-HUB" PIPE AND FITTINGS MANUFACTURED TO CISPI 301. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL, DWV COPPER OR SERVICE WEIGHT CAST IRON. ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON PIPE INSTITUTE AND BE LISTED WITH NSF INTERNATIONAL LABORATORY CHEMICAL WASTE SYSTEMS SHALL BE SCHEDULE 40 CPVC MANUFACTURED TO ASTM F 2818. CHARLOTTE PIPE OR APPROVED EQUIVALENT IF APPROVED BY LOCAL CODES. SOIL, WASTE, AND DRAIN PIPING, 2" AND LARGER, SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PIPING, ASTM AND NSF STAMPED AND APPROVED. FITTINGS SHALL BE PVC SCHEDULE 40 ASTM STAMPED AND APPROVED.
23. HOT WATER CIRCULATING SYSTEMS OR HOT WATER HEAT TRACE SHALL HAVE TIMECLOCK CONTROLLABLE CONTROL.
24. PLUMBING FIXTURES AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED COMPLETE WITH ITEM AND ALL OTHER APPURTENANCES REQUIRED TO CONNECT TO ROUGH-IN PIPING AT FLOORS AND WALLS UNLESS OTHERWISE SPECIFIED.
25. WATER HEATING EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS WILL HAVE HEAT TRAPS INSTALLED ON THE SUPPLY AND DISCHARGE PIPING.
26. PVC PIPING LOCATED IN PLENUM RETURN MUST MEET ASTM E84 AND HALL FIRE SPREAD OF 25/50. ALL PIPING SHALL MEET ALL LOCAL CODE AND AMENDMENT REQUIREMENTS.
27. EXISTING EQUIPMENT NOTES:
A. CONTRACTOR SHALL INSPECT EXISTING PLUMBING AND HVAC EQUIPMENT PRIOR TO SUBMITTING HIS BID.
B. CONTRACTOR SHALL INCLUDE IN HIS BID A THOROUGH STATEMENT OF SERVICE AND CLEANING OF ALL EXISTING EQUIPMENT. PLACE ALL EXISTING SYSTEMS/EQUIPMENT IN PROPER OPERATING ORDER.
C. IF REPAIRS ARE NECESSARY TO PLACE EXISTING EQUIPMENT IN WORKING ORDER, PROVIDE OWNER WITH A DETAILED WRITTEN REPORT OF NECESSARY REPAIRS AND A COST PROPOSAL TO PERFORM THE WORK. ALL SUCH SERVICE REPORTS SHALL BE DELIVERED TO THE OWNER WITHIN TWO WEEKS OF NOTICE TO PROCEED. OWNER RESERVES THE RIGHT TO HAVE ANY REQUIRED REPAIRS DONE BY OTHERS AND TO SEEK OTHER OPINIONS OR REPAIRS.
28. PROVIDE INSTALLATION, OPERATION AND MAINTENANCE MANUALS TO THE OWNER.
29. STANDARD NIPPLE COUPLINGS SHALL CONFORM TO CISPI 310 (MOST CURRENT EDITION) AND SHALL BE LISTED BY NSF INTERNATIONAL.
30. HEAVY DUTY COUPLINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM 1540 AND FM 1680 CLASS 1.
31. COMPRESSION GASKETS FOR HUB & SPIGOT SHALL CONFORM TO THE REQUIREMENTS OF ASTM STANDARD C 564 AND ASTM C 1563 (MOST CURRENT EDITION)
32. JOINTS FOR PIPE AND FITTINGS SHALL CONFORM TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODE REQUIREMENTS.

ELECTRICAL NOTES:

- 1. FOR EXACT LIGHT FIXTURE LOCATIONS, LIGHT FIXTURE SPECIFICATIONS, EXACT RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS, REFER TO ARCHITECTURAL PLANS AND DETAILS. MEP PLANS ARE FOR CIRCUITING INFORMATION AND LIFE SAFETY ONLY.
2. COORDINATE SWITCH/DIMMER LOCATIONS AND SWITCHING/DIMMING PATTERNS WITH ARCHITECT PRIOR TO INSTALLATION.
3. PROVIDE OUTLET BOXES FOR ALL RECEPTACLES, SWITCHES, TELE/PHONE DEVICES, ETC. AS REQUIRED PER PLANS.
4. ALL WET LOCATION RECEPTACLES (WITHIN 6' OF WET LOCATION) SHALL BE RATED 'GFI'. ALL OUTDOOR RECEPTACLES SHALL BE RATED 'WP' AND 'GFI'. ALL VENDING MACHINE RECEPTACLES TO BE GFI PROTECTED.
5. ALL RECEPTACLES SHALL BE GROUNDED. ALL DEVICES TO MATCH BUILDING STANDARD TYPE, U.N.O. ON PLANS. ALL FINISHES SHALL BE SELECTED BY ARCHITECT.
6. COORDINATE WITH BUILDING MANAGEMENT AND STRUCTURAL ENGINEER PRIOR TO INSTALLING ANY PENETRATIONS THROUGH SLABS, FIRE RATED WALLS, AND ROOFS TO VERIFY ANY X-RAY OR OTHER REQUIREMENTS NECESSARY PRIOR TO PERFORMING WORK. FINISHED INSTALLATION SHALL MAINTAIN FIRE PROOF, WATER PROOF, AND STRUCTURAL INTEGRITY OF SYSTEM PENETRATED.
7. ALL 120V BRANCH CIRCUITS ARE PROTECTED BY 1P/20A BREAKERS U.N.O. ON PLANS.
8. AT ALL LOCATIONS WHERE MULTIPLE SWITCHES ARE LOCATED TOGETHER, CONTRACTOR SHALL GANG SWITCHES UNDER ONE COVER PLATE.
9. ALL NEW LIGHT FIXTURES TO BE PROVIDED WITH LAMPS INCLUDED. ALL NEW/RELOCATED LIGHT FIXTURES SHALL BE SUPPORTED FROM ABOVE STRUCTURE, SEPARATE FROM CEILING GRID. PROVIDE AND INSTALL ALL REQUIRED ACCESSORIES RECOMMENDED BY MANUFACTURER FOR A COMPLETE INSTALLATION. CLEAN AND RELAMP ALL EXISTING TO REMAIN FIXTURES AS REQUIRED, VERIFY EXACT SCOPE IN FIELD.
10. ALL CONDUCTORS ARE TO BE COPPER, #12 GAUGE MINIMUM. CIRCUITS OF 120V EXCEEDING 115 FEET SHALL BE #10 GAUGE MINIMUM. CONTROL WIRING SHALL BE #14 GAUGE MINIMUM. ALL CONNECTIONS SHALL BE MADE WITH U.L. LISTED CONNECTORS. UPSIZE ALL SHARED NEUTRALS TO #10 WIRE.
11. DEMOLISH ALL UNUSED CONDUIT AND WIRING BACK TO SOURCE.
12. UTILIZE EXISTING BASE BUILDING EMERGENCY LIGHTING CIRCUITS FOR ALL EMERGENCY FIXTURES AND EXIT SIGNS. VERIFY MAXIMUM OF 16A PER CIRCUIT AFTER ADDITION OF NEW FIXTURES. IN THE ABSENCE OF EMERGENCY CIRCUITS, PROVIDE AND INSTALL BATTERY PACKS IN ALL EMERGENCY FIXTURES AND EXIT SIGNS.
13. IF ENERGY MANAGEMENT SYSTEM (EMS) IS PRESENT IN BUILDING, CONTRACTOR TO ROUTE ALL LIGHTING CIRCUITS THROUGH EMS AS DIRECTED BY BUILDING ENGINEER. COORDINATE IN FIELD.
14. PROVIDE POWER TO ALL NEW HVAC, VAV BOXES, DAMPERS, ETC. FROM NEAREST 120V GENERAL PURPOSE CIRCUIT OR FROM BUILDING HVAC CONTROL PANEL AS REQUIRED, MATCH BUILDING STANDARD. COORDINATE ANY CONNECTIONS TO CONTROL SYSTEM WITH BUILDING ENGINEER. VERIFY LOCATIONS AND QUANTITIES WITH MECHANICAL PLANS. PROVIDE LOCAL DISCONNECT SWITCH AT EQUIPMENT.
15. STEEL EMT CONDUIT SHALL BE UTILIZED FOR ALL HOME RUNS, 3/4" U.N.O. ON PLANS. MC CABLE SHALL BE ALLOWED FOR BRANCH WIRING BETWEEN LIGHTS AND RECEPTACLES U.N.O.
16. FOR EACH SINGLE PHASE OR THREE PHASE MOTOR, CONTRACTOR TO INSTALL LOCAL DISCONNECT. REFERENCE PLANS FOR DISCONNECT TYPE.
17. ALL FEEDERS AND BRANCH WIRING (120-208V), CONTROL WIRING, AND COMMUNICATION WIRING (LOW VOLTAGE) SHALL BE COMPLETELY ENCLOSED IN ELECTRICAL RACEWAY FROM SOURCE TO TERMINATION. INSTALL NYLON PULL CORD IN ALL RACEWAYS. ALL RACEWAYS SHALL BE FULLY SUPPORTED FROM SOURCE TO TERMINATION. PROVIDE AND INSTALL ALL SUPPORTING MEANS AS REQUIRED FOR A COMPLETE SYSTEM. CONTRACTOR TO INSTALL PULL BOXES, JUNCTION BOXES, WIREWAYS, ETC. WHERE REQUIRED PER NEC FOR A COMPLETE, CODE COMPLIANT SYSTEM.
18. CONTRACTOR TO REFERENCE MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF ALL HVAC/PLUMBING EQUIPMENT PRIOR TO SUBMITTING BID AND ROUTING CIRCUITRY. CONTACT AOS IMMEDIATELY IF MECHANICAL/PLUMBING PLANS SHOW NEW EQUIPMENT THAT IS NOT CIRCUMFERED ON ELECTRICAL PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE POWER TO ALL NEW HVAC/PLUMBING EQUIPMENT TO ENSURE A COMPLETE, WORKABLE SYSTEM.
19. CONTRACTOR TO OBTAIN APPROVAL FROM BUILDING MANAGEMENT FOR ANY SHUTDOWN REQUIRED. UNDER NO CIRCUMSTANCES SHALL ANY ELECTRICAL DISTRIBUTION EQUIPMENT BE SHUT DOWN WITHOUT THE EXPRESS PERMISSION OF BUILDING MANAGEMENT.
20. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO (OR ADJACENT PROPERTY) CAUSED BY HIM DURING CONSTRUCTION AND FOR THE REPLACEMENT/REPAIR THEREOF.
21. CONTRACTOR SHALL HONOR ALL GUARANTEE COMMITMENTS AND THE DESIGNATED TIME FRAME. REPLACE/REPAIR ANY FAILING EQUIPMENT/SYSTEMS AS DIRECTED BY BUILDING MANAGEMENT DURING THIS TIME FRAME.
22. ALL NEW EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO PROVIDE AND INSTALL ALL APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION.
23. ALL WORK SHALL FULLY COMPLY WITH ALL APPLICABLE CODES. CONTACT AOS AND/OR LOCAL CODE OFFICIALS TO RESOLVE ANY QUESTIONS REGARDING CODE ISSUES PRIOR TO PERFORMING WORK. SHOULD CONTRACTOR BE CONCERNED WITH WORK IN QUESTION WITHOUT COORDINATING WITH CODE OFFICIALS, CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH RE-INSPECTION TO CODE VIOLATIONS.
24. PRIOR TO SUBMITTING BID, CONTRACTOR TO VISIT SITE AND FAMILIARIZE HIM/HER SELF WITH ALL EXISTING FIELD CONDITIONS. NOTIFY ARCHITECT/AOS OF ANY ITEMS DISCOVERED THAT ARE NOT COVERED ON PLANS THAT WILL AFFECT PRICING.
25. REFERENCE PLANS FOR ALL NEW EQUIPMENT LOCATIONS. MANUFACTURER OF ALL NEW DISTRIBUTION EQUIPMENT SHALL MATCH BUILDING STANDARD. VERIFY MANUFACTURER DURING SITE VISIT. ALL NEW PANELBOARDS TO HAVE COPPER BUS.
26. FINISHED WORK SHALL FULLY COMPLY WITH ALL BASE BUILDING STANDARDS. OBTAIN MANUAL OF BUILDING STANDARDS FROM BUILDING MANAGEMENT PRIOR TO SUBMITTING BID AND BEGINNING WORK.
27. ALL SURFACE MOUNTED RACEWAY SHALL BE ALUMINUM WITH DIVIDER. RACEWAYS SHALL BE SIZED PER NEC FOR WIRE QUANTITY THROUGH RACEWAY. FINISH OF RACEWAY TO BE SELECTED BY ARCHITECT.
28. UPDATE ALL AFFECTED PANEL SCHEDULES UPON COMPLETION OF WORK. UPDATED SCHEDULES MUST BE TYPED.
29. ALL ELECTRIC ROOM INSTALLATIONS SHALL BE DONE IN SUCH A WAY AS TO MAXIMIZE WALL/FLOOR SPACE FOR FUTURE EQUIPMENT.
30. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR SUBMITTING FIRE ALARM CONSTRUCTION DOCUMENTS TO LOCAL OFFICIALS FOR PERMIT. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT QUANTITIES AND LOCATIONS OF ALL FIRE ALARM DEVICES TO MEET ALL APPLICABLE CODES AND FOR DETERMINING REQUIREMENTS FOR CONNECTIONS TO EXISTING BUILDING FIRE ALARM SYSTEM TO ENSURE A COMPLETE, WORKABLE SYSTEM. INSTALL NEW FIRE ALARM SYSTEM IN BUILDING WHERE DIRECTED BY LOCAL CODE OFFICIALS.
31. CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES AS REQUIRED PER ALL RELATED MANUFACTURER'S RECOMMENDATIONS TO PROVIDE A COMPLETE, WORKABLE ELECTRICAL SYSTEM PER THE INTENT OF THE CONTRACT DOCUMENTS, EVEN THOUGH ALL NECESSARY ITEMS AND ACCESSORIES ARE NOT SHOWN ON PLANS.
32. CONTRACTOR TO INSTALL A GROUNDING SYSTEM THAT FULLY COMPLIES WITH THE NEC AND ANY LOCAL CODES.
33. CONTRACTOR TO INSTALL CONDUIT WITH PULL STRING FROM BUILDING TELEPHONE CLOSET TO TENANT'S PHONE BOARD. COORDINATE EXACT CONDUIT SIZE AND CONDUIT ROUTING IN FIELD WITH TENANT AND BUILDING ENGINEER.
34. CONTRACTOR TO ROUTE 1-#6 INSULATED GROUND WIRE FROM BUILDING GROUND RISER TO TENANT TELEPHONE BOARD. IF TENANT HAS COPPER GROUND BAR IN SERVER/IT ROOM, CONTRACTOR MAY UTILIZE IT TO SERVE #6 GROUND WIRE TO PHONE BOARD. COORDINATE EXACT GROUNDING REQUIREMENTS IN FIELD WITH TELEPHONE SYSTEM INSTALLER PRIOR TO INSTALLING GROUND WIRE.



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Revisions:

File Name: 19033
Project No: 19033
Date: 04/16/19
Drawn By:
Checked By:

SHEET
MEP102
COVER SHEET
NOTES

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CONTRACTOR SHALL COORDINATE
MEP DRAWINGS WITH ALL OTHER
DISCIPLINES

AOS JOB #: 2666-002-19