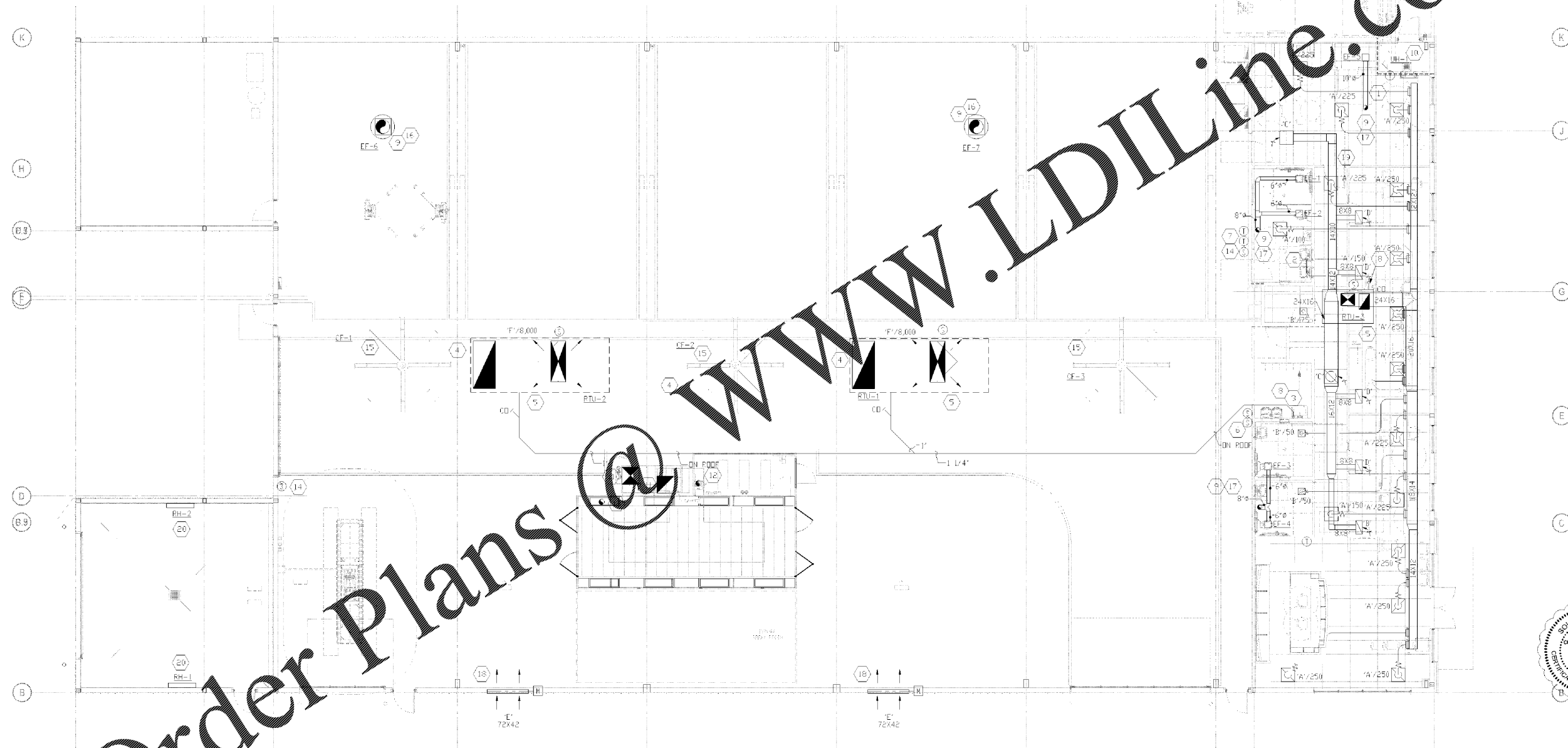


GENERAL MECHANICAL NOTES:

- ALL WORK SHALL BE ARRANGED IN A NEAT, WELL ORGANIZED MANNER. ALL WORK SHALL BE PARALLEL AND PERPENDICULAR TO THE PRIMARY LINES OF THE BUILDING. LOCATE ALL OPERATING AND CONTROL EQUIPMENT PROPERLY TO PROVIDE CLEAR AND/OR MANUFACTURER'S CLEARANCES.
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE PORTIONS OF ALL NATIONAL, STATE, AND LOCAL CODES AND STANDARDS. WHERE THE CONTRACT DOCUMENTS ARE IN EXCESS OF CODE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN. IN THE EVENT OF A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND APPLICABLE CODES, THE LATTER SHALL GOVERN.
- GC SHALL ENSURE THAT ALL LIGHT, SPRINKLER HEADS, DIFFUSERS AND OTHER CEILING DEVICES ARE CENTERED IN CEILING TILE; AND IN BETWEEN LIGHT FIXTURES.
- ALL DUCT SIZES ARE CLEAR INSIDE DIMENSION.
- ALL DUCTWORK TO BE EXTERNALLY INSULATED PER SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE PLANS.
- ALL EXPOSED DUCTWORK SHALL BE SUPPORTED BY ALL-THREAD ROD, SHALL BE INTERNALLY LINED AND SHALL BE PAINTED PER OWNER REQUIREMENT.
- FURNISH AND INSTALL ALL ITEMS, INCLUDING EVERY ARTICLE, DEVICE OR ACCESSORY REASONABLY NECESSARY TO FACILITATE EACH SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT SPECIFIED. ELEMENTS OF THE WORK SHALL INCLUDE, BUT ARE NOT LIMITED TO MATERIALS, LABOR, SUPERVISION, SUPPLIES, EQUIPMENT, TRANSPORTATION, HOISTING/RIGGING, STORAGE, UTILITIES AND ALL REQUIRED PERMITS AND LICENSES.
- UNIT LOCATIONS SHOWN ON PLAN ARE APPROXIMATE. COORDINATE EXACT LOCATION WITH STRUCTURAL PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL COORDINATE ALL DUCTWORK SIZES AND ROUTING WITH STRUCTURE AND OTHER DISCIPLINE PRIOR TO PURCHASING, CONSTRUCTING, OR INSTALLING ANY DUCTWORK. CONTRACTOR SHALL PROVIDE DUCTWORK SHOP DRAWINGS TO ENGINEER/ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION UNLESS SHOP DRAWINGS ARE SUBMITTED. CONTRACTOR ASSUMES ALL RESPONSIBILITY AND COST FOR ANY NECESSARY REWORK.
- ALL BRANCH DUCTS ARE TO BE THE SAME SIZE AS DIFFUSER NECK UNLESS OTHERWISE NOTED. SEE DIFFUSER PUNCHOUT SIZING CHART.
- MAINTAIN ALL OUTSIDE AIR INTAKE OPENINGS MINIMUM 10'-0" FROM ALL MECHANICAL VENTS, PLUMBING VENTS, AND EXHAUST FANS.
- PROVIDE BALANCING DAMPERS AT ALL SUPPLY AIR RUNOUTS.
- ALL DUCTWORK SHALL BE CONSTRUCTED, SEALED AND SUPPORTED PER LATEST SMACNA AND ACHRAE RECOMMENDATIONS.
- PROVIDE ALL MECHANICAL EQUIPMENT WITH NEW LAMINATED IDENTIFICATION TAGS. LABEL TAGS AS SHOWN ON PLAN INCLUDING AREA SERVED.
- ALL GAS FIRED EQUIPMENT TO BE UL LISTED AND AS A APPROVED.
- ALL EQUIPMENT SHALL BE ANCHORED TO THE BUILDING STRUCTURE.
- FLEX DUCT ALLOWED ONLY IN SUPPLY DUCTWORK IN AREAS WITH ACCESSIBLE CEILING AND ONLY IN THE LAST 6 FEET OF RUNOUTS. NO FLEX DUCTWORK ALLOWED IN RETURN AIR DUCTWORK.

- REFER TO PLUMBING PLANS FOR CONDENSATE ROUTING.
- EXCEPT AS REQUIRED BY IMC SECTIONS 602.2.1.1 THROUGH 602.2.1.6, MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM-E-84 OR UL-723.
- PROVIDE SLEEVES AND FLASHINGS EQUIPPED FOR PIPING AND DUCTWORK PENETRATIONS. PROVIDE ESCUTCHION PLATES FOR ALL PIPING PENETRATING FINISHED WALLS AND CEILING.
- FIELD VERIFICATION OF EXISTING CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES FOUND PRIOR TO SUBMISSION OF BID. THE CONTRACTOR SHALL TAKE NOTE THAT THE DRAWINGS ARE SCHEMATIC IN NATURE AND INDICATE THE APPROXIMATE LOCATIONS OF THE MECHANICAL AND PLUMBING SYSTEMS. LOCATE ALL ITEMS BY ON-THE-JOB MEASUREMENTS. COOPERATE WITH OTHER TRADES TO ENSURE PROPER FIT AND ACCESS TO ALL ITEMS.
- PROVIDE PIPE AND/OR SMOKE DAMPERS IN ALL DUCT PENETRATIONS OF PATED WALLS WHETHER OR NOT SHOWN ON PLANS.
- COORDINATE WITH ELECTRICAL TO PROVIDE POWER FOR ALL SMOKE DAMPERS WHETHER OR NOT SHOWN ON PLANS.

- CONSIDERATION SHALL NOT BE GRANTED FOR MISUNDERSTANDING OF THE SCOPE OR AMOUNT OF WORK TO BE PERFORMED. REVIEW OF A PROPOSED CONVEYER, FULL CONTRACTOR AGREEMENT OF THE ITEMS AND CONDITIONS SPECIFIED AND/OR INDICATED, SCHEDULED, OR IMPLIED ON THE CONTRACT DOCUMENTS, AND/OR REQUIRED BY THE NATURE OF THIS WORK.
- THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL COORDINATE THE INSTALLATION OF DUCTWORK, PIPING, CONDUIT, CABLE, ETC., INSTALLATION WITH LIGHTING FIXTURES, SPECIAL CEILING CONSTRUCTION, AIR DISTRIBUTION EQUIPMENT AND THE STRUCTURE. PROVIDE ADDITIONAL RISES AND OFFSETS AS REQUIRED. IF, AFTER INSTALLED, NEW DUCTWORK, PIPING CONDUIT OR CABLE IS FOUND TO BE IN CONFLICT WITH THE ARCHITECTURE, STRUCTURE, OR OTHER TRADE WORK, OR WHICH IS EITHER EXISTING OR SHOWN ON THE CONTRACT DOCUMENT, THE DUCTWORK, CONDUIT, OR CABLE SHALL BE RELOCATED WITHOUT ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL PROTECT THE WORK, EQUIPMENT, AND MATERIALS FROM DAMAGE BY HIS WORK OR HIS PERSONNEL AND SHALL CORRECT ALL DAMAGE THUS CAUSED WITHOUT ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK, MATERIALS, AND EQUIPMENT UNTIL FINAL ACCEPTANCE BY THE OWNER. PROTECT ALL WORK AGAINST THEFT, INJURY, OR DAMAGE AND CAREFULLY STORE MATERIAL AND EQUIPMENT RECEIVED ON SITE WHICH IS NOT IMMEDIATELY INSTALLED. THE CONTRACTOR SHALL CLOSE OPEN ENDS OF WORK WITH TEMPORARY COVERS OR PLUGS BEING CONSIDERED TO PREVENT THE ENTRY OF DUST, DIRT, AND OBSTRUCTING MATERIAL. THE CONTRACTOR SHALL PROTECT ALL EQUIPMENT AND MATERIALS FROM DAMAGE DUE TO USER. PAY-ON-DELIVERY FIREPROOFING, CONSTRUCTION DEBRIS, ETC. IN A MANNER ACCESSIBLE TO THE ENGINEER AND/OR OWNER.



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01 MECHANICAL FLOOR PLAN
1/8"=1'-0"

MECHANICAL NOTE SYMBOL

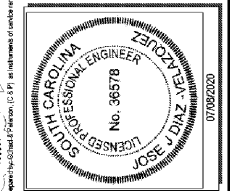
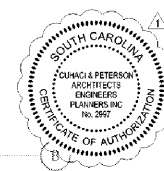
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|--|---|---|
| <ol style="list-style-type: none"> LOUVERED DOOR FOR IT ROOM EXHAUST OTHERS ROUTE 1" CONDENSATE FROM RTU-3 TO TAIL-PIECE OF RESTROOM SINK. ROUTE 1-1/4" CONDENSATE DRAIN DOWN THRU ROOF TO MOP SINK WITH AIR GAP. INSTALL RETURN AIR DROP BOX WITH FILTER RACK AND HARDWARE CLOTH. BOTTOM OF PLENUM TO BE AT 12'-0" AFF. AIR-SIDE ECONOMIZER KIT TO BE INSTALLED ON UNIT. PROVIDE WALL MOUNTED FAN SPEED CONTROLLER FOR CF-1L2. PROVIDE WALL MOUNTED TEMPERATURE CONTROLLER INTERLOCKED WITH DUCT MOUNTED TEMPERATURE SENSORS IN RTU-1L2. TEMPERATURE SENSORS TO BE INSTALLED IN RETURN AIR STREAM. | <ol style="list-style-type: none"> ROUTE CONDENSATE DOWN THROUGH ROOF AT THIS LOCATION. ENSURE EXHAUST OUTLET IS MINIMUM 10" FROM ALL OUTSIDE AIR INTAKES. COORDINATE MOUNTING LOCATION WITH OTHER EQUIPMENT IN ROOM. PROVIDE ROOF PENETRATIONS AND ROOF CURBS FOR BOOTH INTAKE DUCT AND EXHAUST DUCT. COORDINATE ROOF PENETRATION AND ROOF CURB LOCATION AND SIZE WITH BOOTH MANUFACTURER IN THE FIELD PRIOR TO INSTALLATION. PENETRATIONS TO BE 10'-0" AWAY WHEN POSSIBLE. MAINTAIN 10'-0" CLEARANCE BETWEEN BUILDING INTAKE AND EXHAUST OPENINGS. SPRAY BOOTH MANUFACTURER TO PROVIDE ALL NECESSARY DUCTWORK AND CAPS FOR A COMPLETE WORKABLE SYSTEM. EXHAUST OUTLETS TO BE INSTALLED IN ACCORDANCE WITH 2015 IMC SECTION 501.3.1. | <ol style="list-style-type: none"> PROVIDE ROOF PENETRATION FOR BOOTH EXHAUST DUCT. COORDINATE ROOF PENETRATION AND SIZE WITH BOOTH MANUFACTURER IN THE FIELD PRIOR TO INSTALLATION. MAINTAIN 10'-0" CLEARANCE FROM ANY EXHAUST INTAKE. PAINT BOOTH MANUFACTURER TO PROVIDE ALL NECESSARY DUCTWORK AND CAPS FOR A COMPLETE WORKABLE SYSTEM. EXHAUST OUTLETS TO BE INSTALLED IN ACCORDANCE WITH 2015 IMC SECTION 501.3.1. PROVIDE GAS VENT UP THROUGH ROOF. ROUTE THROUGH ROOF AND SEAL ROOF PENETRATION AIR AND WATER TIGHT. MAINTAIN 10'-0" CLEARANCE BETWEEN BUILDING INTAKE AND EXHAUST OPENINGS. ALL EQUIPMENT AND MATERIAL FOR A COMPLETE AND OPERABLE BOOTH(S) TO BE FURNISHED BY OTHERS WHERE APPLICABLE. COORDINATE ROOF PENETRATION AND SIZES WITH BOOTH MANUFACTURER IN THE FIELD PRIOR TO INSTALLATION. EXHAUST OUTLETS TO BE INSTALLED IN ACCORDANCE WITH 2015 IMC SECTION 501.3.1. INSTALL CARBON MONOXIDE SENSOR, COSTAR 24VC-E OR SIMILAR AT THIS LOCATION. MOUNT AT 96" AFF. SENSOR TO BE INTERLOCKED WITH EF-6.7. |
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- FANS TO BE MOUNTED AT 12" AFF. CONTRACTOR TO PROVIDE MOUNTING KIT AND EXTENSION TUBE AS REQUIRED.
- ROUTE DUCT DOWN FROM EXHAUST FAN AND TERMINATE WITH WIRE MESH SCREEN.
- EXHAUST DUCT ROUTED UP TO WEATHERPROOF CAP.
- LOUVERS TO BE MOUNTED 9" AFF.
- UNDERCUT DOOR 1/2"
- RADIANT HEATERS TO BE INSTALLED TIGHT TO BOTTOM OF STRUCTURE AND IN A MANNER NOT TO DAMAGE ANY VEHICLE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

MECHANICAL NOTES

- CONFIRM ALL MECHANICAL REQUIREMENTS, CONNECTIONS, AND LOCATIONS FOR ALL BOOTH(S) AND EQUIPMENT WITH MANUFACTURER SPECIFICATIONS AND CUTSHEETS PRIOR TO ROUGH-IN.
- THERMOSTATS TO BE PROVIDED WITH PASSWORD LOCK-OUT CAPABILITY OF LOCK BOXES.

WHEN PLASTIC PIPING AND TUBING IS USED IN PLUMBING SYSTEMS IT SHALL BE LISTED AND SHALL EXHIBIT A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOP INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723.



CLIENT NAME Cross Development 4338 March Ridge Carrollton, TX 75010
PROJECT NAME Caliber Collision Five Forks (161) 1215 East Buller Rd. Greenville, SC 29607
SHEET TITLE Mechanical Floor Plan

PROJECT NO. 2200057	DATE 07/08/2020	DRAWN BA	CHECKED EC
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