SUMMARY SCOPE OF WORK

- Remove and replace service counter to coordinate with new service model.
- Remove and replace existing finishes as needed for additional walls and millwork.
- Modify existing front soffit and replace existing finishes.
- Relocate existing digital menu boards on new soffit.
- Remove millwork at prep area and prepare for new equipment.
- Remove and replace equipment as noted.
- Add new equipment as noted.

NOTE: Provide a quantity of three (3) order kiosks as indicated in equipment schedule. Final placement of kiosks shall be determined by food service provider and coordinated with Chick-fil-A and Architect (along with 42" required clearance width at each unit as indicated) for operational and electrical consideration.
21.1 All cross slopes that are a portion of the accessible route shall be a maximum of 2%.

21.2 All panic hardware shall be mounted no higher than 46" A.F.F.

21.3 All floor drains in kitchen shall be located out of path of egress travel so that the floor does not have a slope greater than 2% along the route.

21.4 All thresholds floor level changes and transitions shall not exceed 1/2" in height and shall be beveled with a slope no greater than 1:2.

21.5 All light switches, volume controls, and thermostats in public areas shall be mounted no higher than 48" A.F.F U.N.O.

21.6 All accessible elements are to be installed according to the standards and requirements set forth by the accessibility code referenced on the cover sheet.

21.7 ICC/ANSI A117.1-2003 403.5 allows reduction in accessible paths less than 24" long.
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## Proprietary Equipment Schedule (Items Supplied by CFA Proprietary Vendor)

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## Proprietary Equipment Schedule (Items Supplied by Charter House Inc - CB)

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## Equipment Schedule (Items to be Relocated)

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**NOTE:** Provided a quantity of items to be located, including all electrical, mechanical, and plumbing components. Final placement of these items shall be determined by the project architect and engineer. Final plans and specifications shall be coordinated with the engineer and architect for accuracy and compliance with codes and standards. Ratios and ceiling heights for electrical and mechanical systems are indicated.

---

**ADDITIONAL EQUIPMENT PLAN**

SHEET NUMBER 10

[Diagram showing additional equipment plan with annotations and details]
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**Chick-fil-A UPGRADES**

**Project #:** A-602

**Date:** 12.16.21

**User:** RJD

**File:** H:\Cad_Architectural\-21_21.XXX Chick-fil-A\21.500 CFA Licensee\21.520 Coastal Carolina University (Remodel)\10 Drawings\10-80435-A-600 Elevation and Detail Sheets.dwg, 12/17/2021 2:03:15 PM, sgermany
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<td>Painted Walls Wainscoting Match Wood Brown</td>
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<tr>
<td>Wainscoting Stiles</td>
<td>Wainscoting Panels (1 PT) of Red Oak Stain and (1) Mohawk Fil-Stik M232-11982 (Ash)</td>
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<tr>
<td>Storefront Frames Window Sills</td>
<td>Clear</td>
</tr>
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<td>Base Tile</td>
<td>Underside of Cabinets Match Base Tile</td>
</tr>
<tr>
<td>Floor Tile</td>
<td>Entry Door Threshold Clear Over Grout</td>
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<td>Serving Area and Kitchen Front Millwork (PL-1) Stiles and Rails</td>
<td>Front Millwork Panels (PL-1) Color Rite Fil-Stick BB08</td>
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<td>Subway Wall Tile</td>
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<td>Wall Tile (Inside Corners) Match Wall Tile Grout</td>
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<tr>
<td>Subway Wall Tile</td>
<td>Countertops / Cabinets (Vertical) White - Bone</td>
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<tr>
<td>Subway Wall Tile</td>
<td>Stainless Steel Stainless Steel</td>
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<tr>
<td>Subway Wall Tile</td>
<td>Serving Area Ceiling Grid White</td>
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<tr>
<td>Base Tile</td>
<td>Underside of Cabinets Match Base Tile</td>
</tr>
<tr>
<td>Counter Top</td>
<td>Adjacent Material White - Bone</td>
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<td>Stainless Corners / Caps</td>
<td>All Materials Stainless Steel</td>
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<td>Stainless Steel Countertop Stainless Steel</td>
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<td>Base Tile White</td>
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<td>Painted Door Frames White</td>
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<td>FRP</td>
<td>Ceiling Grid White</td>
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<td>FRP</td>
<td>S/S Frames / Splashes / Hand Sinks Clear</td>
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<tr>
<td>FRP</td>
<td>Escutcheons Clear</td>
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<td>Walk In Cooler / Freezer</td>
<td>Base Tile Clear</td>
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<tr>
<td>Walk In Cooler / Freezer</td>
<td>Adjacent Walls (Depends on Gap) White or Clear</td>
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<td>Hoods / Shrouds / S/W Panels</td>
<td>Stainless Steel</td>
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A-621

Project Status

21.520

Date

12.16.2021

Description

CHICK-FIL-A #80435

COASTAL CAROLINA UNIVERSITY

JACKSON STUDENT CENTER

CONWAY, SC 29526

ARCHITECTURE

ENGINEERING

ASSOCIATES

SEALS:

COASTAL CAROLINA UNIVERSITY

CHICK-FIL-A #80435

JACKSON STUDENT CENTER

CONWAY, SC 29526

CD

12.16.21

PRINTED FOR

DATE

SHEET NUMBER

DRAWN BY

Project Status

21.520

Revision Schedule

STATE PROJECT # H17-N126-MJ

Chick-fil-A UPGRADES

A-621

INTERIOR DETAILS

RJD

120812

H:\Cad\Architectural\21_21.XXX Chick-fil-A\21.500 CFA Licensee\21.520 Coastal Carolina University (Remodel)\10 Drawings\10-80435-A-600 Elevation and Detail Sheets.dwg, 12/17/2021 2:03:18 PM, sgermany
CHICK-FIL-A 
COASTAL CAROLINA 
UNIVERSITY STUDENT CENTER 
CONWAY, SC 29528

STATE PROJECT #: H17-N126-MJ 
CHICK-FIL-A UPGRADES

PLUMBING LEGEND

- Schedule of fixtures in the building
- Plumbing rough in and mounting details
- Water filtration details
- Plumbing fixtures

PLUMBING KEYNOTES LEGEND

1. CONSTRUCTION DRAWINGS ARE FOR USE OF CONTRACTOR & AUTHORIZED PROJECT REPRESENTATIVES ONLY, TO BE CONSIDERED CONFIDENTIAL & NOT REPRODUCED IN ANY MANNER WITHOUT EXPRESS WRITTEN OR VERBAL CONSENT FROM THE ARCHITECT

2. TEMPLATES PRINTED FOR CONTRACTOR & AUTHORIZED PROJECT REPRESENTATIVES ONLY, TO BE CONSIDERED CONFIDENTIAL & NOT REPRODUCED IN ANY MANNER WITHOUT EXPRESS WRITTEN OR VERBAL CONSENT FROM THE ARCHITECT

3. CONSTRUCTION DRAWINGS & TEMPLATES ARE TO BE USED EXCLUSIVELY FOR THE ABOVE NAMED PROJECT MAY NOT BE REPRODUCED IN ANY MANNER WITHOUT EXPRESS WRITTEN OR VERBAL CONSENT FROM THE ARCHITECT

4. INFORMATION CONTAINED ON THIS DRAWING AND IN ALL DIGITAL FILES PRODUCED FOR ABOVE NAMED PROJECT MAY NOT BE REPRODUCED IN ANY MANNER WITHOUT EXPRESS WRITTEN OR VERBAL CONSENT FROM THE ARCHITECT

5. CONTRACTOR SHALL INSTALL, ASSEMBLE & MOUNT TWO HANDLE WALL MOUNTED CHROME PLATED 1/2'' OD COPPER RISERS MODEL 36AC, NO SUBSTITUTIONS. INSTALL WALL HUNG, STAINLESS STEEL SINK AND FAUCET SET AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE LFST08 STOPS AND BRASSCRAFT 36'' CHROME PLATED 1/2'' OD COPPER RISERS MODEL 36AC, NO SUBSTITUTIONS. INSTALL WALL MOUNTED CHROME PLATED 1/2'' OD COPPER RISERS MODEL 36AC, NO SUBSTITUTIONS. INSTALL WALL MOUNTED CHROME PLATED 1/2'' OD COPPER RISERS MODEL 36AC, NO SUBSTITUTIONS.

6. CONTRACTOR SHALL INSTALL, ASSEMBLE & MOUNT TWO HANDLE WALL MOUNTED CHROME PLATED 1/2'' OD COPPER RISERS MODEL 36AC, NO SUBSTITUTIONS. INSTALL WALL HUNG, STAINLESS STEEL SINK AND FAUCET SET AND MAKE FINAL CONNECTIONS. PROVIDE MCGUIRE LFST08 STOPS AND BRASSCRAFT 36'' CHROME PLATED 1/2'' OD COPPER RISERS MODEL 36AC, NO SUBSTITUTIONS. INSTALL WALL MOUNTED CHROME PLATED 1/2'' OD COPPER RISERS MODEL 36AC, NO SUBSTITUTIONS.

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<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION OF EQUIPMENT</th>
<th>APPROVED MANUFACTURER</th>
<th>VOLT</th>
<th>PH</th>
<th>KW</th>
<th>AMP</th>
<th>HP</th>
<th>NEMA-RATING</th>
<th>HZ</th>
<th>CY</th>
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<td>SINGLE BOWL VEGETABLE PREP SINK</td>
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<td>771R</td>
<td>GEN3 SHELF (18&quot;x30&quot;)</td>
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<td>672R</td>
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</tbody>
</table>

**KITCHEN EQUIPMENT SCHEDULE**

*All items in this schedule are to be reused and cleaned. Services to a like new condition, coordinate cleaning services with the Food Service Provider. All necessary plumbing, mechanical infrastructure required for the relocation of equipment is the responsibility of the Food Service Provider/GC. General Contractor to coordinate protection and storage of reused equipment with Food Service Provider during construction.*

**REMARKS**

- Items to be reused/relocated.
- General Contractor to verify electrical data.
### Equipment Schedule (Items Supplied by Clayton Fixture)

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Detail Description</th>
<th>Approved Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Single Thawing Cabinet</td>
<td>Traulsen Model #RET132EWUT-FHS 115 1 16.0 0.5 5-20P (BY E.C.)</td>
</tr>
<tr>
<td>2</td>
<td>Double Tier Sandwich Slide Stand</td>
<td>Clayton Fixture 563Da REFER TO MANUFACTURER SHOP DRAWINGS</td>
</tr>
<tr>
<td>3</td>
<td>Single Open Fryer</td>
<td>Henny Penny Model #OF 321.01 480 3 22 27 DIRECT CONNECTION F522L 6X6 J-BOX; ORDER WITH 3PSE003 AND 3MED011</td>
</tr>
<tr>
<td>4</td>
<td>Label Printer</td>
<td>Other 1 1.7 5-20P F182L</td>
</tr>
<tr>
<td>5</td>
<td>Sensor Faucet</td>
<td>For Wall Mounted Hand 355F 1/2&quot; 1/2&quot; P-6</td>
</tr>
<tr>
<td>6</td>
<td>Fly System</td>
<td>By Food Service Provider 211B 2 120 1 0.10 0.60 5-15P</td>
</tr>
<tr>
<td>7</td>
<td>Under-Counter Slim Jım Trash Can</td>
<td>Rubbermaid Model #1971258 202A</td>
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<tr>
<td>8</td>
<td>Sensor Faucet</td>
<td>For Deck Mounted Hand 355F 1/2&quot; 1/2&quot; P-5</td>
</tr>
<tr>
<td>9</td>
<td>Order Monitor</td>
<td>By Food Service Provider 183 1 120 1 0.10 5-20P</td>
</tr>
<tr>
<td>10</td>
<td>Radial Arm</td>
<td>By Food Service Provider 183a USED TO MOUNT ORDER MONITORS - NOT SHOWN ON PLAN</td>
</tr>
<tr>
<td>11</td>
<td>Label Printer</td>
<td>By Food Service Provider 182L 6 120 1 1.7 5-20P</td>
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<tr>
<td>12</td>
<td>Built-In Bread Rack Slides</td>
<td>G.C./Millwork Manufacturer 120a INCLUDE 2 BRACKETS PER SET; REFER TO MANUFACTURER SHOP DRAWINGS</td>
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<tr>
<td>13</td>
<td>Stainless Steel Bin Holder</td>
<td>Clayton Fixture Model #02099996 105a LOCATED ON PASS-THRU</td>
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<tr>
<td>14</td>
<td>Package Bag Holder</td>
<td>Clayton Fixture 105c</td>
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<td>15</td>
<td>Soap Dispenser</td>
<td>Ec Olab Model #92021189 206 RE: ARCHITECTURAL SHEETS FOR DETAILS ON MOUNTING HEIGHTS AND LOCATIONS</td>
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<td>16</td>
<td>Slim Jım Trash Can</td>
<td>Rubbermaid Model #FG354060GRAY 202</td>
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<tr>
<td>17</td>
<td>Order Monitor</td>
<td>By Food Service Provider 183 3 120 1 0.10 5-20P</td>
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<tr>
<td>18</td>
<td>Radial Arm</td>
<td>By Food Service Provider 183a USED TO MOUNT ORDER MONITORS - NOT SHOWN ON PLAN</td>
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<td>19</td>
<td>Primary Boards Counter</td>
<td>G.C./Millwork Manufacturer 120 REFER TO MANUFACTURER SHOP DRAWINGS</td>
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<td>20</td>
<td>Back Serving Counter</td>
<td>G.C./Millwork Manufacturer 108 REFER TO MANUFACTURER SHOP DRAWINGS</td>
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<td>Front Serving Counter</td>
<td>G.C./Millwork Manufacturer 109 REFER TO MANUFACTURER SHOP DRAWINGS</td>
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<td>22</td>
<td>Back Serving Counter</td>
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<td>23</td>
<td>Wall Mounted Splash Guard</td>
<td>G.C. 359 See Details Page K-901 For Typ.</td>
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<td>G.C. 359 See Details Page K-901 For Typ.</td>
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<td>26</td>
<td>Wall Mounted Splash Guard</td>
<td>G.C. 359 See Details Page K-901 For Typ.</td>
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### Equipment Schedule (Items Supplied by General Contractor)

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<thead>
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<th>Item No.</th>
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<td>Double Tier Sandwich Slide Stand</td>
<td>Clayton Fixture 563Da REFER TO MANUFACTURER SHOP DRAWINGS</td>
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<td>3</td>
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<td>6</td>
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<td>By Food Service Provider 211B 2 120 1 0.10 0.60 5-15P</td>
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<td>Rubbermaid Model #1971258 202A</td>
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<tr>
<td>14</td>
<td>Package Bag Holder</td>
<td>Clayton Fixture 105c</td>
</tr>
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<td>15</td>
<td>Soap Dispenser</td>
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</tr>
<tr>
<td>16</td>
<td>Slim Jım Trash Can</td>
<td>Rubbermaid Model #FG354060GRAY 202</td>
</tr>
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<td>17</td>
<td>Order Monitor</td>
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### Equipment Schedule (Items Supplied by Millwork Manufacturer)

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<th>Item No.</th>
<th>Detail Description</th>
<th>Approved Manufacturer</th>
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<tr>
<td>1</td>
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<td>Traulsen Model #RET132EWUT-FHS 115 1 16.0 0.5 5-20P (BY E.C.)</td>
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<td>2</td>
<td>Double Tier Sandwich Slide Stand</td>
<td>Clayton Fixture 563Da REFER TO MANUFACTURER SHOP DRAWINGS</td>
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**KITCHEN DETAILS**

1. **ANSUL PULL MOUNTING DETAIL**
2. **ANSUL NOZZLE AT GRILL ON HOOD**
3. **OEP DETAILS**
4. **DIRECT CONNECTION - ISLAND LOCATION**
5. **PIPING AT WATER FILTER**
6. **COFFEE & TEA BREWER STOP & BFP**
7. **TYP. 3-COMP SINK DIMENSIONS**
8. **TYP. HAND SINK DIMENSIONS**
9. **TYP. 1-COMP SINK W/ DRAINBOARD**

**NOTES:**
- FROM OEP DROP CORD BOX FLUSH IN CEILING
- 6'-0" FLEXIBLE LIQUID-TIGHT METAL CONDUIT
- ELECTRICAL BOX AND ALL ASSOCIATED CONDUIT TO BE RECESSED IN WALL.
- MOUNTING HARDWARE PRIOR TO INSTALLATION.
- ANSUL PULL MOUNTING DETAIL
- SCALE: N.T.S.
- TYP. 3-COMP SINK DIMENSIONS
- TYP. HAND SINK DIMENSIONS
- TYP. 1-COMP SINK W/ DRAINBOARD

**APPROVED MODEL:** FISCHER 22209 OR COMPARABLE LEVER VALVE. RECOMMENDED

**COMPARTMENT SINK SHELVING AND ITEM AT THE POINT OF THE POWER CONNECTION.**

MOUNTED TO THE TOP-REAR OF THE EQUIPMENT SURFACE MOUNTED SINGLE GANG BELL BOX

SPECIFICATIONS.

TURNING POWER OFF) WITH SPEC

TO REDUCE ACCIDENTAL BUMPING AND WEATHER-PROOF TYPE SWITCH COVER

COOPER #S2983 NON-METALLIC EQUIPMENT ITEM'S ELECTRICAL CORD O
GENERAL ELECTRICAL NOTES

1. BRANCH CIRCUIT WIRING FOR 15A CIRCUITS SHALL USE 14 AWG WIRE. WHERE 20A CIRCUITS ARE USED IN ITEMIZED WORK OR WHERE METERING IS REQUIRED, CONNECTION TO THE SERVICE ENTRANCE IS REQUIRED TO BE UNPLUGGED AND METERED. BRANCH CIRCUIT ROUTING SHALL COMPLY WITH DETAILS ON DRAWINGS AND SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR. CONNECTION TO THE SERVICE ENTRANCE IS REQUIRED TO BE UNPLUGGED AND METERED. BRANCH CIRCUIT ROUTING SHALL COMPLY WITH DETAILS ON DRAWINGS AND SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR.

2. PROVIDE NEMA CONFIGURATION RECEPTACLES TO MATCH PLUGS ON EQUIPMENT FURNISHED. LIGHTING FIXTURE CATALOG NUMBERS ARE INDICATIVE OF THE STYLE OF FIXTURE REQUIRED. CONTRACTOR SHALL PROVIDE FIXTURES IDENTIFIED AND THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED AS SOON AS POSSIBLE. NO ELECTRICAL REWORK SHALL BE COMMENCED UNLESS NOTED OTHERWISE.

3. RESTRAINT IS NOT REQUIRED IF THE CONDUIT IS SUPPORTED BY HANGERS AND EACH HANGER IN THE RUN IS 12" IN. OR LESS IN DISTANCE. UNLESS NOTED OTHERWISE.

4. ALL COMMUNICATION CABLING SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND EIA/TIA STANDARDS.

5. PROVIDE ALL SIGNVACS AND SENSORS AT EACH LOCATION WHERE A FIRE ALARM MAY BE ACTIVATED.  THESE DEVICES MUST HAVE A MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT OF ORIGIN IS PROVIDED PER NEC 70 (2017).  INTERNAL CONNECTIONS TO BE PROVIDED BY OTHERS, HAS LOW VOLTAGE DESIGN, THAT WILL BE PROVIDED BY OTHERS, HAS LOW VOLTAGE DESIGN, THAT WILL BE PROVIDED BY OTHERS.

6. THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH CHAPTER 26 TO 29 OF ASCE 7-16.

7. A FIRESTOP SYSTEM SHALL BE USED TO SEAL ALL PENETRATIONS OF ELECTRICAL CONDUITS AND CABLES THROUGH FIRE-RATED STRUCTURAL MEMBERS IN THE WALL.  WHERE OUTLET BOXES ARE INSTALLED IN A FIRE-RATED PARTITION, INSTALLATION SHALL BE EQUIPPED WITH SWIVELS, EYE NUTS OR OTHER DEVICES TO PREVENT BENDING IN THE ROD.

8. THE USE OF MC CABLE IS ALLOWED ABOVE ACCESSIBLE CEILINGS AND IN STUD CONSTRUCTION ONLY.  HOMERUNS TO PANEL SHALL BE WIRED AHEAD OF LOCAL SWITCH AND SHALL NOT BE SWITCHED.

9. PROVIDE ALL WIRING CONNECTIVE CENTER (TYPICAL ALL TYPES)

10. OUTLET BOXES FOR FIRE ALARM AND GFCI DEVICES SHALL BE DEEP BOXES (2-1/8" MINIMUM).  ALL OTHER OUTLET BOXES SHALL BE SINGLE CORD LOCATION AND SHALL BE ACCESSIBLE TO BE REACHED BY A TOOL.


12. PROVIDE ELECTRICAL SYSTEMS (WITH ALL SOUTH CAROLINA MODIFICATIONS)

13. PROVIDE LIGHT FIXTURES WITH TWO EMERGENCY HEADS AND EXIT SIGN WITH TWO EMERGENCY HEADS. A LIGHTING CONTROL SCHEME CALLOUT FOR EACH LEVEL SHALL BE PROVIDED.


15. ALL ELECTRICAL SYSTEMS TO BE IN ACCORDANCE WITH NFPA 70 (2017) NATIONAL ELECTRICAL CODE AND IEC 60309-2.


EQUIPMENT & COMPONENT DATABASE

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<thead>
<tr>
<th>SEISMIC DESIGN CATEGORIES</th>
<th>ELECTRICAL EQUIPMENT &amp; COMPONENT DATABASE</th>
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<tr>
<td>IEC60309-2</td>
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<td>ANSI/UL 820</td>
<td>AMERICAN NATIONAL STANDARDS</td>
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<td>ASCE7-16</td>
<td>AMERICAN SOCIETY OF CIVIL ENGINEERS</td>
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WIRE SIZING CHART

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<td>20A CIRCUIT</td>
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ELECTRICAL SYMBOL LEGEND

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<tr>
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<td>LIGHT FIXTURE (SHADING INDICATES EMERGENCY, TYPICAL ALL LIGHTING SYMBOLS)</td>
</tr>
<tr>
<td>2.</td>
<td>F</td>
<td>FIRE ALARM</td>
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<tr>
<td>3.</td>
<td>S</td>
<td>SIREN</td>
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<td>4.</td>
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<td>BRICK</td>
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<td>5.</td>
<td>P</td>
<td>PAVEMENT</td>
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POWER AND TELECOMMUNICATIONS SYMBOL LEGEND

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SYSTEMS SYMBOL LEGEND

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<td>4.</td>
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LOW VOLTAGE DESIGN:

• KITCHEN HOOD CONTROL PANEL TO ACTIVATE THE BUILDING FIRE ALARM SYSTEM WHEN THE KITCHEN HOOD IS IN ALARM.
• CO2 SYSTEM TO ACTIVATE THE BUILDING FIRE ALARM SYSTEM WHEN THE CO2 SYSTEM IS IN ALARM.
• RFAP AIM ADDRESSABLE INPUT MODULE TO ACTIVATE THE BUILDING FIRE ALARM SYSTEM WHEN THE RFAP AIM MODULE IS IN ALARM.
• FACP FIRE ALARM CONTROL PANEL TO ACTIVATE THE BUILDING FIRE ALARM SYSTEM WHEN THE FIRE ALARM PANEL IS IN ALARM.
• TBG TV CCTV POWER TO ACTIVATE THE BUILDING FIRE ALARM SYSTEM WHEN THE TV CCTV POWER IS IN ALARM.

ELECTRICAL SYMBOLS & LEGENDS
**LIGHT FIXTURE SCHEDULE**

<table>
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<th>FIXTURE SPECIFICATIONS</th>
<th>TYPE</th>
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<th>MANUFACTURER B</th>
<th>MANUFACTURER C</th>
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<th>LUMENS</th>
<th>THRESHOLD TEMP.</th>
<th>RESPONSE TEMP.</th>
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**LIGHTING CONTROL SCHEME SCHEDULE**

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**KITCHEN EQUIPMENT SCHEDULE**

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<th>UNIT #</th>
<th>DESCRIPTION</th>
<th>VOLS</th>
<th># OF POLES</th>
<th>LOAD (VA)</th>
<th>BRANCH CIRCUIT SIZE</th>
<th>DISCONNECT / STARTER</th>
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**KITCHEN EQUIPMENT SCHEDULE KEY NOTES**

1. This document reflects equipment that was chosen during the pre-construction planning stage. Actual equipment provided may vary from what is shown.
2. All equipment shown on this schedule is based on the Square Footage of the space. Please refer to the plans for confirmation.
3. This schedule is subject to change based on the final competition plans.
4. All equipment shown is for reference only and may not be installed.
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15. All equipment shown is for reference only and may not be installed.
**Ceiling-Mounted Cameras & Wireless Access Devices**

- **Dropped Ceiling**
- 10' of coiled cable for connection by others, to communications room

**Applicable in locations where plans or specifications call for cables to be coiled above ceiling for connection by others**

- 1st Floor
- Roof
- Corridor
- Existing rack
- IT room
- Existing cable tray

**Electrical Details**

1. **Conduits** shall be provided with pullboxes at intervals on the horizontal run of total bends between pull points (boxes) placed at 100 ft. maximum intervals, and pull-strings anchored at both ends.

2. **Conduits** shall have no more than 180 degrees of bends.

3. 1 inch trade size conduit shall have a minimum bend radius of 6 inches.

4. **Conduits** shall be supported at 5 foot maximum.

5. Conduit ends shall be equipped with compression fit plastic bushings.

6. Notes on conduit installation:
   - Conduits shall be straight between pullboxes. Placed at 100 ft. minimum intervals and pull-strings anchored at both ends.
   - Conduits shall have no more than 180 degrees of bends between pull points (boxes) placed at 100 ft. maximum intervals, and pull-strings anchored at both ends.
   - Conduits shall be supported at 5 foot maximum.
   - Conduit ends shall be equipped with compression fit plastic bushings.

**Typical Connector Type** as indicated on communications plans

**Cable Coil Detail**

- Not to scale

**Communications Device Riser**

- Not to scale

**Communications Wall Outlet Detail**

- Not to scale
11. PROVIDE GROUNDING AND BONDING AS REQUIRED SPECIFIC TO THIS PROJECT'S SCOPE OF WORK.
10. PROVIDE BOND TO EXPOSED METAL ON ALL MOTORS, PUMPS, AND LIGHTING FIXTURES PER [250.112].
9. PROVIDE EGC CONNECTED TO ANY JUNCTION BOX WHERE SPLICE IS MADE [250.148].
8. ALL METAL ENCLOSURES AND RACEWAYS SHALL BE BONDED TO GROUND [250.86]. FOR CIRCUITS OVER 250V PROVIDE BOND PER [250.97], STANDARD LOCKNUTS ARE NOT ACCEPTABLE.
7. PROVIDE GROUNDING BUSHING ON BOTH ENDS OF ALL SERVICE ENTRANCE RACEWAYS IF METAL RACEWAY IS USED, SIZE AS GEC [250.80]. THIS INCLUDES RIGID STEEL ELBOWS ON PVC CONDUIT.
6. NO ALUMINUM SHALL BE USED FOR GROUNDING WORK WITHOUT THE SPECIFIC WRITTEN PERMISSION OF THE ENGINEER. EXCEPTION: ALUMINUM BUILDING STRUCTURAL MATERIALS SHALL BE BONDED WITH LISTED ALUMINUM [250.106].
5. EARTH SHALL NOT BE USED AS THE SOLE GROUND RETURN PATH FOR ANY EQUIPMENT POWERED UNDER THIS PROJECT. OTHERWISE OVERCURRENT PROTECTION MIGHT NOT WORK, OR IT MIGHT CAUSE POWER QUALITY PROBLEMS.
4. PROVIDE GROUNDING BUSHING WHERE GROUND MOUNTED PANELBOARDS OR OTHER EQUIPMENT MOUNTED TO CONCRETE OR STEEL STRUCTURAL FABRICATIONS ARE MOUNTED.
3. PROVIDE GROUNDING BUSHING AND BONDING OF CIRCUIT BREAKERS AND DUAL PUMP CONTROLS TO THE GROUND WIRE OR CONDUIT WHERE THE GROUND WIRE IS EMPLOYED AS THE RETURN PATH.
2. ALL UNDERGROUND OR OTHERWISE INACCESSIBLE GROUND CONNECTIONS AND SPLICES SHALL BE EXOTHERMICALLY WELDED [250.68].
1. NUMBERS IN BRACKETS REFER TO SPECIFIC SECTIONS OF THE NATIONAL ELECTRICAL CODE.

GROUNDING LEGEND:

- EGC OR EGC, WHICHEVER IS LARGER
- EGC OR EGC, WHICHEVER IS LARGER

ELECTRICAL GENERAL NOTES:

1. EXISTING EQUIPMENT OUTSIDE OF THE PROJECT'S SCOPE OF WORK IS SHOWN FOR REFERENCE ONLY.
2. PROVIDE BUILDING GROUND ROD [250.52(A)(1)].
3. PROVIDE SELF-GROUNDING GROUNDING SCREW WHERE EXISTING CONSTRUCTION MATERIALS ARE NOT ELECTRICALLY CONNECTED TO THE GROUND WIRE OR CONDUIT WHERE THE GROUND WIRE IS EMPLOYED AS THE RETURN PATH.
4. PROVIDE CONDUIT OR REBAR CONNECTED TO THE GROUND WIRE OR CONDUIT WHERE THE GROUND WIRE IS EMPLOYED AS THE RETURN PATH.
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### EXISTING/REVISED GE 2D SERIES PANELBOARD SCHEDULE

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### GENERAL NOTES

- Panel schedule notes
- Panel schedule key
- HKP
- LKPJB
- LKPJA

### REFERENCES

- ARC12001002 - GE 2D Series Panelboard Schedule
- ARC12001003 - GE AE Series Panelboard Schedule
- ARC12001004 - GE D'NO Series Panelboard Schedule
GENERAL NOTES

1. All panelboards shown are existing.
2. Labeled areas are out of this project's scope of work.
3. All receptacle/junction boxes shown with kitchen equipment tags and being relocated, refer to renovation plans for new locations.
4. Contractor shall verify existing receptacle/junction box locations and existing heights with actual field conditions.
5. All electrical fixtures shown are existing and shall remain unless noted otherwise.
6. Ensure power to all downstream devices requiring power is maintained during demolition.

1. Existing receptacle serving equipment being removed shall be demolished, pull wiring back to panelboard. Relabel circuit breaker as spare and update panelboard schedule accordingly. It is assumed this equipment is fed from existing panelboard "KP3".
2. Demolish existing VGA/AV cabling.
3. Existing junction box for script signage shall be relocated.
4. Existing control switch for script signage shall be relocated.
5. Existing control switch for menu boards shall be relocated.
6. Existing receptacle/junction box shall be demolished, pull wiring back to panelboard. Relabel circuit breaker and update panelboard schedule accordingly.
7. Existing data drop shall be demolished, pull cabling back to above ceiling.
GENERAL NOTES

1. ALL PANELBOARDS SHOWN ARE EXISTING.

2. SHADING AREA IS OUT OF THIS PROJECT'S SCOPE OF WORK.

3. EXISTING DECORATIVE SURFACE MOUNTED FIXTURE SHALL BE RELOCATED.

4. EXISTING RECESSED TROFFER SHALL BE DEMOLISHED. CIRCUIT SHALL REMAIN FOR REUSE DURING RENOVATION.

5. EXISTING CHAIN MOUNTED OCCUPANCY SENSOR SHALL BE DEMOLISHED.

6. EXISTING EXIT SIGN SHALL BE DEMOLISHED. CONDUIT AND JUNCTION BOX SHALL REMAIN FOR REUSE DURING RENOVATION.

7. EXISTING LIGHT SWITCH SHALL BE RELOCATED.

8. EXISTING RECESSED CAN LIGHT SHALL BE DEMOLISHED.

9. EXISTING CEILING MOUNTED OCCUPANCY SENSOR SHALL BE DEMOLISHED.

10. EXISTING SWITCH SHALL BE DEMOLISHED. CONDUIT AND JUNCTION BOX SHALL REMAIN FOR REUSE DURING RENOVATION.

11. EXISTING LIGHT FIXTURE SHALL BE RELOCATED.

12. EXISTING RECESSED TROFFER SHALL BE DEMOLISHED.

13. EXISTING ROOF LIGHT SHALL BE RELOCATED.

14. EXISTING LIGHT SWITCH SHALL BE RELOCATED.

15. EXISTING RECESSED CAN LIGHT SHALL BE DEMOLISHED.

16. EXISTING HOOD SHOWN FOR REFERENCE.

EXISTING DECORATIVE SURFACE MOUNTED FIXTURE SHALL BE RELOCATED.

EXISTING RECESSED TROFFER SHALL BE DEMOLISHED. CIRCUIT SHALL REMAIN FOR REUSE DURING RENOVATION.

EXISTING CHAIN MOUNTED OCCUPANCY SENSOR SHALL BE DEMOLISHED.

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EXISTING LIGHT SWITCH SHALL BE RELOCATED.

EXISTING RECESSED TROFFER SHALL BE DEMOLISHED.

EXISTING RECESSED CAN LIGHT SHALL BE DEMOLISHED.

EXISTING HOOD SHOWN FOR REFERENCE.

1. EXISTING LIGHT FIXTURE SHALL BE RELOCATED.

2. EXISTING RECESSED TROFFER SHALL BE DEMOLISHED.

3. EXISTING RECESSED CAN LIGHT SHALL BE DEMOLISHED.

4. EXISTING CEILING MOUNTED OCCUPANCY SENSOR SHALL BE DEMOLISHED.

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6. EXISTING LIGHT SWITCH SHALL BE RELOCATED.

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15. EXISTING LIGHT FIXTURE SHALL BE RELOCATED.

16. EXISTING RECESSED TROFFER SHALL BE DEMOLISHED.
GENERAL NOTES

1. ALL PANELBOARDS SHOWN ARE EXISTING AND SHOWN FOR REFERENCE.
2. SHADED AREAS ARE OUT OF THIS PROJECT'S SCOPE OF WORK.
3. ALL PULL STATIONS SHOWN ARE EXISTING AND SHALL REMAIN UNCHANGED.

EXISTING HOOD #1 SHOWN FOR REFERENCE.
EXISTING HOOD #2 SHOWN FOR REFERENCE.
EXISTING ANSUL CABINET SHOWN FOR REFERENCE.
EXISTING HOOD CONTROLLER SHOWN FOR REFERENCE.
HOOD #1 ANSUL PULL STATION SHOWN FOR REFERENCE.
HOOD #2 ANSUL PULL STATION SHALL BE RELOCATED.
EXISTING SECURITY CAMERA SHALL BE RELOCATED.
OVERALL POWER & TELECOMMUNICATIONS PLAN

GENERAL NOTES

1. ALL REBAR COORDINATES USE 12" REBAR.
2. RANDED AREAS ARE OUT OF THIS PROJECT’S SCOPE OF WORK.
3. REFER TO ENLARGED POWER PLANS FOR ADDITIONAL INFORMATION.

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DWG, INC.

No.C03649

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Duluth, Georgia 30096
p 770.622.9858
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ARCHITECTURE
ENGINEERING & ASSOCIATES

CHICK-FIL-A #80435
DWG PROJECT #19162-07
PRINTED FOR SPW

CHICK-FIL-A
5200 Buffington Road
Atlanta, Georgia 30349-2998

COASTAL CAROLINA UNIVERSITY
JACKSON STUDENT CENTER
CONWAY, SC 29528
EXISTING 2’x2’ TROFFER LIGHT FIXTURE SHALL REMAIN AND BE REUSED.
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EXISTING 2’x2’ RECESSED LIGHT FIXTURES SHALL REMAIN AND BE REUSED.
KEYNOTES

1. CONNECT NEW FIRE ALARM STROBE TO EXISTING FIRE ALARM CIRCUIT CURRENTLY SERVING THE KITCHEN.

2. RELOCATED HOOD #2 ANSUL PULL STATION. EXTEND EXISTING CONDUIT AND WIRING AS NECESSARY. COORDINATE LOCATION SUCH THAT PULL STATION DOES NOT CONFLICT WITH LIGHT SWITCH IN SAME LOCATION. INSTALL ON WALL SUCH THAT PULL STATION IS NOT LOCATED BEHIND ADJACENT KITCHEN EQUIPMENT. RELOCATE EXISTING LABEL.

3. COORDINATE NUMBER AND TYPE OF CONTROLS AND MONITOR RELAYS REQUIRED FOR INTERCONNECTION OF KITCHEN HOOD SYSTEM WITH FIRE ALARM SYSTEM. FIRE ALARM CONTRACTOR SHALL REVIEW SPRINKLER SHOP DRAWINGS PRIOR TO SUBMITTING FIRE ALARM SHOP DRAWINGS FOR REVIEW.

4. KITCHEN HOOD KH-3 ANSUL PULL STATION, COORDINATE INSTALLATION DETAILS WITH KITCHEN DRAWINGS AND ACTUAL EQUIPMENT PROVIDED. PROVIDE CONDUIT AND WIRING BETWEEN ANSUL SYSTEM AND PULL STATION. PROVIDE WITH LABEL.

5. RELOCATED SECURITY CAMERA, COORDINATE EXACT LOCATION WITH OWNER PRIOR TO RELOCATION. PROVIDE NEW CAT6 CABLING BACK TO SOURCE.

6. SHADED AREAS ARE OUT OF THIS PROJECT'S SCOPE OF WORK.

GENERAL NOTES

1. FIRE ALARM SYSTEM SHALL BE RECERTIFIED UPON COMPLETION OF WORK.

2. CONNECT NEW FIRE ALARM STROBE TO EXISTING FIRE ALARM CIRCUIT CURRENTLY SERVING THE KITCHEN.

3. RELOCATED HOOD #2 ANSUL PULL STATION. EXTEND EXISTING CONDUIT AND WIRING AS NECESSARY. COORDINATE LOCATION SUCH THAT PULL STATION DOES NOT CONFLICT WITH LIGHT SWITCH IN SAME LOCATION. INSTALL ON WALL SUCH THAT PULL STATION IS NOT LOCATED BEHIND ADJACENT KITCHEN EQUIPMENT. RELOCATE EXISTING LABEL.

4. COORDINATE NUMBER AND TYPE OF CONTROLS AND MONITOR RELAYS REQUIRED FOR INTERCONNECTION OF KITCHEN HOOD SYSTEM WITH FIRE ALARM SYSTEM. FIRE ALARM CONTRACTOR SHALL REVIEW SPRINKLER SHOP DRAWINGS PRIOR TO SUBMITTING FIRE ALARM SHOP DRAWINGS FOR REVIEW.

5. KITCHEN HOOD KH-3 ANSUL PULL STATION, COORDINATE INSTALLATION DETAILS WITH KITCHEN DRAWINGS AND ACTUAL EQUIPMENT PROVIDED. PROVIDE CONDUIT AND WIRING BETWEEN ANSUL SYSTEM AND PULL STATION. PROVIDE WITH LABEL.

6. RELOCATED SECURITY CAMERA, COORDINATE EXACT LOCATION WITH OWNER PRIOR TO RELOCATION. PROVIDE NEW CAT6 CABLING BACK TO SOURCE.
GENERAL NOTES

EXISTING ROOFTOP EQUIPMENT SHOWN FOR REFERENCE.

COORDINATE EXACT LOCATION OF PIPING REQUIRING HEAT TRACE WITH MECHANICAL.

INSTALL RECEPTACLE ON PARAPET WALL.

SCALE: 1/4" = 1'-0"
1. INSTALLATION OF ALL SPRINKLERS HEADS TO BE COORDINATED WITH STRUCTURE AND WORK OF DOCUMENTATION. PLACEMENTS INDICATED HEREIN. VERIFY CEILING TILE TYPES FROM ARCHITECTURAL (SCORED OR GRAPHICALLY DIVIDED) SURFACE TILES. THE APPEARANCE OF THE FINISHED CEILING NOT TO SCALE.

2. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH NFPA 13 AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.

3. NEW SPRINKLERS SHALL BE RECESSED SPRINKLERS WITH GOVERNOR SPRINKLERS WITH SLOW RESPONSE SPEED OF THE EXISTING SPRINKLERS.

4. PROVIDE SEISMIC BRACING FOR ANY MODIFIED SPRINKLER MAIN PER NFPA 13 AND ASCE/SEI 7-16.

5. PROVIDE U/G UNDERGROUND SPRINKLERS AND PIPING PRIOR TO SUBMISSION OF SHOP DRAWINGS. REMOVE EXISTING SPRINKLERS AND PROVIDE NEW SPRINKLERS IN NEW LOCATIONS IN ORDER TO PROVIDE COVERAGE OF THE MODIFIED FLOOR PLAN.

6. UNLESS OTHERWISE SHOWN OR NOTED, ALL PIPING SHALL BE RUN CONCEALED IN WALLS, CHASES, AND/OR ABOVE CEILINGS.

7. PROVIDE SPRINKLER HEADS LOCATION/NOTES.

8. AREAS NOT HATCHED ARE OUTSIDE SCOPE OF WORK.

9. THE BUILDING HAS PIPING, DUCTWORK, RACEWAYS, SUSPENDED LIGHT FIXTURES, ETC. THAT IMPOSE OBSTRUCTIONS TO COVERAGE OF THE ENTIRE AREA OF WORK IN ACCORDANCE WITH NFPA 13 AS IT RELATES TO OBSTRUCTIONS.

10. PROVIDE UL RATED FIRE AND SMOKE PENETRATION FIRESTOPPING SYSTEMS FOR ALL PENETRATIONS OF FIRE RATED WALLS.

11. PROVIDE SPRINKLER HEADS LOCATION/NOTES.

12. FIELD VERIFY COVERAGE RANGE AND RESPONSE SPEED OF EXISTING SPRINKLERS. NEW SPRINKLERS SHALL MATCH RESPONSE SPEED OF THE EXISTING SPRINKLERS.

13. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR RATED WALL LEGEND.

14. HYDRAULIC CALCULATIONS MUST USE FLOW TEST DATA FROM A TEST PERFORMED WITHIN THE LAST TWELVE MONTHS.

15. COORDINATE SPRINKLER SYSTEMS WITH STRUCTURE AND ALL OTHER TRADES TO AVOID INTERFERENCE AND CONFLICTS PRIOR TO INSTALLATION OF PIPING, VALVES, AND EQUIPMENT.

16. PROVIDE UL RATED FIRE AND SMOKE PENETRATION FIRESTOPPING SYSTEMS FOR ALL PENETRATIONS OF FIRE RATED WALLS.

17. FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SUBMITTALS TO AUTHORITIES HAVING JURISDICTION.

18. COORDINATE WORK WITH AUTHORITY HAVING JURISDICTION. OBTAIN ALL PERMITS AND PASS ALL INSPECTIONS FROM AUTHORITY HAVING JURISDICTION.

19. SEE ARCHITECTURAL DRAWINGS FOR RATED WALL LEGEND.

GENERAL NOTES

1. MODIFY EXISTING WET FIRE SPRINKLER SYSTEM TO PROVIDE COVERAGE FOR REOVEDUTED FLOOR PLAN AND EQUIPMENT LOCATIONS AS SHOWN.

2. AREAS NOT HEATZED ARE OUTSIDE SCOPE OF WORK.

3. ALL SPRINKLERS SHALL BE RECESSED SPRINKLERS WITH SLOW RESPONSE SPEED OF THE EXISTING SPRINKLERS.

4. FIELD VERIFY COVERAGE RANGE AND RESPONSE SPEED OF EXISTING SPRINKLERS. NEW SPRINKLERS SHALL MATCH RESPONSE SPEED OF THE EXISTING SPRINKLERS.

5. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR RATED WALL LEGEND.

6. COORDINATE SPRINKLER SYSTEM OUTAGE WITH COASTAL CAROLINA UNIVERSITY FIRE MARSHAL. PROVIDE FIRE WATCH DURING OUTAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINING TO EXTERIOR OF BUILDING AND REINSTALLING NEW SPRINKLERS SYSTEM.

7. PROVIDE SPRINKLER HEADS LOCATION/NOTES.

8. AREAS NOT HATCHED ARE OUTSIDE SCOPE OF WORK.

9. THE BUILDING HAS PIPING, DUCTWORK, RACEWAYS, SUSPENDED LIGHT FIXTURES, ETC. THAT IMPOSE OBSTRUCTIONS TO COVERAGE OF THE ENTIRE AREA OF WORK IN ACCORDANCE WITH NFPA 13 AS IT RELATES TO OBSTRUCTIONS.

10. PROVIDE SPRINKLER HEADS LOCATION/NOTES.

11. PROVIDE SPRINKLER HEADS LOCATION/NOTES.

12. FIELD VERIFY COVERAGE RANGE AND RESPONSE SPEED OF EXISTING SPRINKLERS. NEW SPRINKLERS SHALL MATCH RESPONSE SPEED OF THE EXISTING SPRINKLERS.

13. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR RATED WALL LEGEND.

14. HYDRAULIC CALCULATIONS MUST USE FLOW TEST DATA FROM A TEST PERFORMED WITHIN THE LAST TWELVE MONTHS.
MECHANICAL SYSTEMS
SEISMIC AND WIND REQUIREMENTS
PER IBC-2018/ASEE 7-16

1. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, DUCTWORK, PIPING, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE MECHANICAL/PLUMBING SYSTEMS WITH OTHER TRADES AND WITH THE OWNER/ARCHITECT.

2. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH PRESCRIBED CLEARANCES FOR SERVICE AND ACCESS. PROVIDE SEPARATE ACCESS SITES AT EACH MECHANICAL ROOM AND VALVES. PROVIDE ACCESS THROUGH WALL OPENINGS FOR MAINTENANCE OF AIR DISTRIBUTION SYSTEMS.

3. PROVIDE CURVED RADIUS ELBOW AT FIRST SUPPLY & RETURN FITTING FOR ALL HVAC UNITS. PROVIDE TURNING VANES IN ALL 90 DEGREE ELBOWS IN ALL RECTANGULAR DUCTWORK, PIPING, AND CONDUIT.

4. AVOID ROUTING DUCTWORK DIRECTLY OVER LIGHT FIXTURES, ELECTRICAL MASTS, AIR DUCTS, ETC. PROVIDE CONTINUED ACCESS TO ALL DUCTWORK, PIPING, AND CONDUIT.

11.04.2021

MECHANICAL CODES & STANDARDS
(WITH ALL SOUTH CAROLINA MODIFICATIONS)

GENERAL MECHANICAL NOTES

1. THE CONTRACTOR SHALL PREPARE AND VERIFY ALL DUCTWORK, PIPING, AND CONDUIT INSTALLATION TO MEET THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, 2018 EDITION. ALL SEISMIC RESTRAINT AND BRACING SHALL BE SUBSTANTIATED BY MANUFACTURER'S SUBMITTALS PER THE SPECIFICATIONS. FOR ADDITIONAL INFORMATION, SEE THE CONTRACTOR'S MANUAL ON SEISMIC DESIGN.

2. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF SEVEN DAYS ADVANCE NOTICE OF INSTALLATION. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO VERIFY THERE ARE NO CONFLICTS PRIOR TO INSTALLATION AT DIMENSION LISTED.

3. PROVIDE FLEXIBLE CONNECTIONS FOR PIPE CONNECTIONS TO ALLOW FOR DIFFERENTIAL MOVEMENT BETWEEN THE COMPONENT AND THE PIPE/DUCT SYSTEM.

4. PROVIDE A SUFFICIENT NUMBER OF PIPE SUPPORTS TO ENSURE PIPE/DUCT SYSTEMS ARE NOT LOAD-BEARING TO THE STRUCTURE AND MOUNTING LOCATIONS BETWEEN THE COMPONENT AND DUCTWORK/PIPES ARE DESIGNED TO WITHSTAND ALL LOADS AS SHOWN ON THE PLANS.

5. PROVIDE A SUFFICIENT NUMBER OF PIPE SUPPORTS TO ENSURE PIPE/DUCT SYSTEMS ARE NOT LOAD-BEARING TO THE STRUCTURE AND MOUNTING LOCATIONS BETWEEN THE COMPONENT AND DUCTWORK/PIPES ARE DESIGNED TO WITHSTAND ALL LOADS AS SHOWN ON THE PLANS.

6. ALL ELECTRICAL, PLUMBING, AND PIPING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE INSTALLATION OF EQUIPMENT, DUCTWORK, PIPING, ETC. SHALL BE OBSERVED. THE CONTRACTOR SHALL INSTALL ALL HOOK-UP HOSE CONNECTIONS TO THE DUCTWORK, PIPING, AND CONDUIT AS SHOWN ON THE PLANS.

7. PROVIDE A MINIMUM OF SEVEN DAYS ADVANCE NOTICE OF INSTALLATION. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO VERIFY THERE ARE NO CONFLICTS PRIOR TO INSTALLATION AT DIMENSION LISTED.

8. INSTALL ALL DUCT MOUNTED DEVICES (DAMPERS, ACCESS DOORS, ETC.) AND PIPING SPECIALTIES IN EASILY ACCESSIBLE LOCATIONS. ADVISE THE ARCHITECT IN ADVANCE OF ANY INTERNATIONAL ENERGY CONSERVATION CODE (IECC) VS. INTERNATIONAL BUILDING CODE (IBC) CONFLICTS.

9. ALL DUCT TAKE-OFFS SHALL BE INSTALLED AS SHOWN BY DETAILS ON THE PLANS WITH A MANUAL BALANCING DAMPER AT EVERY TAKE-OFF. WHERE DUCT RUN-OUT SIZE IS NOT SHOWN PROVIDE DUCT SAME SIZE AS GRILLE NECK SIZE.

10. PROVIDE A SUFFICIENT NUMBER OF PIPE SUPPORTS TO ENSURE PIPE/DUCT SYSTEMS ARE NOT LOAD-BEARING TO THE STRUCTURE AND MOUNTING LOCATIONS BETWEEN THE COMPONENT AND DUCTWORK/PIPES ARE DESIGNED TO WITHSTAND ALL LOADS AS SHOWN ON THE PLANS.

11. PROVIDE A SUFFICIENT NUMBER OF PIPE SUPPORTS TO ENSURE PIPE/DUCT SYSTEMS ARE NOT LOAD-BEARING TO THE STRUCTURE AND MOUNTING LOCATIONS BETWEEN THE COMPONENT AND DUCTWORK/PIPES ARE DESIGNED TO WITHSTAND ALL LOADS AS SHOWN ON THE PLANS.

12. PROVIDE FLEXIBLE CONNECTIONS FOR PIPE CONNECTIONS TO ALLOW FOR DIFFERENTIAL MOVEMENT BETWEEN THE COMPONENT AND THE PIPE/DUCT SYSTEM.

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17. PROVIDE A SUFFICIENT NUMBER OF PIPE SUPPORTS TO ENSURE PIPE/DUCT SYSTEMS ARE NOT LOAD-BEARING TO THE STRUCTURE AND MOUNTING LOCATIONS BETWEEN THE COMPONENT AND DUCTWORK/PIPES ARE DESIGNED TO WITHSTAND ALL LOADS AS SHOWN ON THE PLANS.

18. PROVIDE A SUFFICIENT NUMBER OF PIPE SUPPORTS TO ENSURE PIPE/DUCT SYSTEMS ARE NOT LOAD-BEARING TO THE STRUCTURE AND MOUNTING LOCATIONS BETWEEN THE COMPONENT AND DUCTWORK/PIPES ARE DESIGNED TO WITHSTAND ALL LOADS AS SHOWN ON THE PLANS.

19. PROVIDE A SUFFICIENT NUMBER OF PIPE SUPPORTS TO ENSURE PIPE/DUCT SYSTEMS ARE NOT LOAD-BEARING TO THE STRUCTURE AND MOUNTING LOCATIONS BETWEEN THE COMPONENT AND DUCTWORK/PIPES ARE DESIGNED TO WITHSTAND ALL LOADS AS SHOWN ON THE PLANS.
MAKE-UP AIR UNIT SCHEDULE

FAN SCHEDULE

AIR DIRECTION SCHEDULE

KITCHEN HOOD SCHEDULE

FAN SCHEDULE

AIR DIRECTION SCHEDULE

KITCHEN HOOD SCHEDULE

FAN SCHEDULE

AIR DIRECTION SCHEDULE
ROUND DUCT BRANCH TAKE OFF DETAIL

1. CONTRACTOR MAY SUBSTITUTE A MANUFACTURED FITTING FOR THE DETAIL DTAKE-OFF ABOVE.
2. TAKE-OFFS IN MEDIA PRESSURE DUCTS SHALL HAVE AN OVERSIZED INTAKE.
3. SPIN-IN FITTINGS WITH INTEGRAL SCOOP AND DAMPER SHALL ONLY BE USED IN LOW PRESSURE DUCTS.
4. FITTINGS SHALL BE SCREWED TO THE TRUNK DUCT AND SEALED WITH MASTIC. MASTIC TAPE IS NOT ACCEPTABLE.
5. IF YOU BOX IS LOCATED IN BRANCH DUCT, BALANCE DAMPER SHALL NOT BE INSTALLED IN TAKE-OFF FROM MAIN TRUNK DUCT.

TYPICAL DUCT TAKE OFF INSTALLATION DETAIL

1. CONTRACTOR MAY SUBSTITUTE A MANUFACTURED FITTING FOR THE DETAIL DTAKE-OFF ABOVE.
2. TAKE-OFFS IN MEDIA PRESSURE DUCTS SHALL HAVE AN OVERSIZED INTAKE.
3. SPIN-IN FITTINGS WITH INTEGRAL SCOOP AND DAMPER SHALL ONLY BE USED IN LOW PRESSURE DUCTS.
4. FITTINGS SHALL BE SCREWED TO THE TRUNK DUCT AND SEALED WITH MASTIC. MASTIC TAPE IS NOT ACCEPTABLE.
5. IF YOU BOX IS LOCATED IN BRANCH DUCT, BALANCE DAMPER SHALL NOT BE INSTALLED IN TAKE-OFF FROM MAIN TRUNK DUCT.

TYPICAL DIFFUSER/GRILLE INSTALLATION DETAIL

1. INSTALL NYLON CLAMPS ON INNER FLEX DUCT LINER AND OUTER JACKET. TAPE ENDS OF PREINSULATED FLEX. DUCT AT"NG R "A T"E R A "E N THEET." TES.
2. RETURN AIR BOX SHALL BE MINIMUM 12” HIGH. RETURN DUCT MAY TAP INTO THE SIDE OF THE BOX A MINIMUM OF 6” ABOVE BOX FLAT BLACK.
3. PROVIDE YOUNG REGULATOR REMOTE DAMPER CONTROLLER FOR EACH DIFFUSER AND GRILLE LOCATED IN AREAS WITH INACCESSIBLE CEILINGS. LOCATE CONTROLLER IN A CONCEALED, ACCESSIBLE LOCATION.
4. J = H/2 (MINIMUM)
5. H = TOTAL STATIC FAN PRESSURE (CONFIRM TSP WITH EQUIPMENT PROVIDED).

KITCHEN EXHAUST FAN DETAIL

1. INSTALL NYLON CLAMPS ON INNER FLEX DUCT LINER AND OUTER JACKET. TAPE ENDS OF PREINSULATED FLEX. DUCT AT
2. "RUNNING" TYPE TRAPS SHALL BE UNACCEPTABLE.
3. LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.

CONDENSATE DRAIN TRAP INSTALLATION DETAIL

OPEN END (VENT)

SCREWED CAP

CONDENSATE DRAIN TRAP INSTALLATION DETAIL

NOT TO SCALE

NOTES:

1. INSTALL NYLON CLAMPS ON INNER FLEX DUCT LINER AND OUTER JACKET. TAPE ENDS OF PREINSULATED FLEX. DUCT AT
2. "RUNNING" TYPE TRAPS SHALL BE UNACCEPTABLE.
3. LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.
EXISTING DIFFUSER SHALL BE RELOCATED DURING RENOVATION. REFER TO SHEET M101.

HOOD TO REMAIN IN SERVICE.

DEMOLISH THERMOSTAT. STORE THERMOSTAT FOR RELOCATION DURING RENOVATION.

GENERAL NOTES

1. COORDINATE DEMOLITION / RENOVATION OUTAGES WITH BUILDING OWNER.

2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO WORK.
Scale: 1/4" = 1'-0"

PIPING UP TO EXISTING EQUIPMENT ON ROOF TO REMAIN.
HOOD TO REMAIN IN SERVICE.
DEMOLISH THERMOSTAT. STORE THERMOSTAT FOR RELOCATION DURING RENOVATION.

GENERAL NOTES
1. COORDINATE DEMOLITION / RENOVATION OUTAGES WITH BUILDING OWNERS.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO WORK.
3. PIPING UP TO EXISTING EQUIPMENT ON ROOF TO REMAIN.
4. HOOD TO REMAIN IN SERVICE.
5. DEMOLISH THERMOSTAT. STORE THERMOSTAT FOR RELOCATION DURING RENOVATION.

FIRST FLOOR MECHANICAL PIPING DEMOLITION PLAN
1. Coordinate demolition/renovation outages with building owner.
2. Field verify existing conditions prior to work.
3. Connect to existing 6" chilled water supply and return lines approx. 10'-15' feet beyond plan north.
KEYNOTES

1. EXISTING EQUIPMENT TO REMAIN
2. ROUTE 1" CONDENSATE TO NEAREST ROOF DRAIN
3. PROVIDE HEAT TRACE ON EXPOSED HOT WATER AND CHILLED WATER PIPING.
4. MAINTAIN 10'-0" MINIMUM CLEARANCE BETWEEN MAU-3 INTAKE AND NEW & EXISTING EXHAUST FANS. FIELD VERIFY AND COORDINATE EXACT LOCATION.

GENERAL NOTES

1. COORDINATE DEMOLITION/RENOVATION OUTAGES WITH BUILDING OWNER.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO WORK.
3. PROVIDE HEAT TRACE ON EXPOSED HOT WATER AND CHILLED WATER PIPING.
4. MAINTAIN 10'-0" MINIMUM CLEARANCE BETWEEN MAU-3 INTAKE AND NEW & EXISTING EXHAUST FANS. FIELD VERIFY AND COORDINATE EXACT LOCATION.
PLUMBING SYSTEMS
SEISMIC AND WIND REQUIREMENTS
PER IBC-2018/ASCE 7-16

PLUMBING COMPONENT IMPORTANCE FACTOR (q) DESIGNATION

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<tr>
<th>COMPONENT IDENTIFICATION</th>
<th>EQUIPMENT IDENTIFIED AS 5 IN EXCEEDANCE OF q</th>
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<td>ROOF MOUNTED</td>
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<td>COMPONENT CERTIFICATION</td>
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- WHEN THE WORD “PROVIDE” IS USED, IT SHALL MEAN FURNISH AND INSTALL COMPLETE AND READY FOR USE.
- PROVIDE OWNER WITH CERTIFICATES OF FINAL INSPECTION FROM AUTHORITY HAVING JURISDICTION.
- PLUMBING COMPONENT IMPORTANCE FACTOR (Ip) DESIGNATION
- RESTRAIN IF TOTAL WEIGHT OF PIPES IN A RUN EXCEEDS 10 LBS/FT.
- RESTRAIN IF ANY PIPE OVER 4" IN DIAMETER.
- RESTRAIN ALL COMPONENTS MOUNTED ON WALLS OR CEILINGS.
- RESTRAIN ALL COMPONENTS MOUNTED ON FLOORS.
- RESTRAIN ALL COMPONENTS MOUNTED ON ROOFS.
- ADVISE ALL EXISTING UTILITY COMPANIES OF THE LOCATIONS WHERE THEIR UTILITIES WILL BE ENCROACHED UPON.
- PROVIDE INSULATION FOR PIPING COLLECTING CONDENSATE DRAIN.
- MAINTAIN THE FIRE RATING OF THE ASSEMBLY.

HANGER ARRESTOR SCHEDULE

UNIT | ID. UNIT | BASIS OF DESIGN
--- | --- | ---
1 | 1 | "PLUMBING COMPONENT IMPORTANCE FACTOR (q) DESIGNATION"
2 | 2 | "PLUMBING CODES & STANDARDS (WITH ALL SOUTH CAROLINA MODIFICATIONS)"
3 | 3 | "PLUMBING PIPING LEGEND"
4 | 4 | "PLUMBING SYMBOL LEGEND"
5 | 5 | "PLUMBING FIXTURE SCHEDULE"
6 | 6 | "PLUMBING ABBREVIATIONS"
7 | 7 | "PLUMBING NOTES & LEGENDS"
8 | 8 | "PLUMBING PIPING LEGEND"
9 | 9 | "PLUMBING SYMBOL LEGEND"
10 | 10 | "PLUMBING FIXTURE SCHEDULE"
11 | 11 | "PLUMBING ABBREVIATIONS"
12 | 12 | "PLUMBING NOTES & LEGENDS"
1. Coordinate demolition/renovation outages with building owner.
2. Field verify existing conditions prior to work.
3. Trench floors where necessary for underground work, confirm floor to match existing. See architectural for additional finish information.
GENERAL NOTES

1. COORDINATE DEMOLITION / RENOVATION OUTAGES WITH BUILDING OWNER.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO WORK.
3. COORDINATE WITH KITCHEN VENDOR FOR ROUGH-IN HEIGHTS, LOCATIONS, AND SIZES. SEE KITCHEN PLANS FOR ADDITIONAL INFORMATION.
4. ALL DOMESTIC AND FILTERED WATER LINES SHALL BE CONCEALED IN ADJACENT WALL AND ABOVE CEILING CONSTRUCTION.
5. WHERE PIPE RUNOUT SIZE IS NOT SHOWN, REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZE.
6. INSTALL WATER HAMMER ARRESTORS AS SHOWN. SEE DETAIL FOR ADDITIONAL INFORMATION.

PROVIDE 3/4" FILTERED WATER FROM WATER FILTER TO FIXTURE.

PROVIDE NEW 4" PVC SODA LINE CONDUITS WITH LONG SWEEP ELBOWS CONCEALED BY WALL AND CEILING CONSTRUCTION FROM 6" BELOW CEILING OF BAG IN BOX ROOM ACROSS THE HALL TO BOTTOM OF MILLWORK AS SHOWN. COORDINATE EXACT ROUTING WITH EXISTING UTILITIES AND CONDITIONS. COORDINATE EXACT CONDUIT SIZE AND ROUTING WITH KITCHEN VENDOR.

CONNECT TO EXISTING DOMESTIC HOT AND COLD WATER Piping IN WALL. PROVIDE NEW STOPS, SUPPLIES, ESCUTCHEONS, ETC. IN ACCORDANCE WITH PLUMBING FIXTURE SCHEDULE.

WATER FILTER FURNISHED BY KITCHEN VENDOR. CONTRACTOR SHALL INSTALL WATER FILTER UNDERNEATH VEGETABLE SINK TABLE. PROVIDE FULL PORT BALL VALVES TO ISOLATE EACH PIPE ENTERING AND EXITING WATER FILTER. FOR LOW KITCHEN VENDORS INSTALLATION INSTRUCTIONS, SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION.

PROVIDE 3/4" FILTERED WATER FROM WATER FILTER TO FIXTURE.

PROVIDE NEW 4" PVC SODA LINE CONDUITS WITH LONG SWEEP ELBOWS CONCEALED IN WALL AND CEILING CONSTRUCTION FROM 6" BELOW CEILING OF BAG IN BOX ROOM ACROSS THE HALL TO BOTTOM OF MILLWORK AS SHOWN. ROUTING IS SHOWN DIAGRAMATICALLY.

COORDINATE EXACT ROUTING WITH EXISTING UTILITIES AND CONDITIONS. COORDINATE SODA CONDUIT SIZE AND ROUTING WITH KITCHEN VENDOR.

CONNECT TO EXISTING DOMESTIC HOT AND COLD WATER Piping IN WALL. PROVIDE NEW STOPS, SUPPLIES, ESCUTCHEONS, ETC. IN ACCORDANCE WITH PLUMBING FIXTURE SCHEDULE.

WATER FILTER FURNISHED BY KITCHEN VENDOR. CONTRACTOR SHALL INSTALL WATER FILTER UNDERNEATH VEGETABLE SINK TABLE. PROVIDE FULL PORT BALL VALVES TO ISOLATE EACH PIPE ENTERING AND EXITING WATER FILTER. FOR LOW KITCHEN VENDORS INSTALLATION INSTRUCTIONS, SEE KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION.
GENERAL NOTES

1. COORDINATE DEMOLITION/RENOVATION OUTAGES WITH BUILDING OWNER.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO WORK.
3. TRENCH FLOOR WHERE NECESSARY FOR UNDERGROUND WORK. ADJACENT FLOOR TO MATCH EXISTING. SEE ARCHITECT FOR ADDITIONAL FINISH INFORMATION.
4. COORDINATE WITH KITCHEN VENDOR FOR ROUGH-IN HEIGHTS, LOCATIONS, AND SIZES. SEE KITCHEN PLANS FOR ADDITIONAL INFORMATION.
5. TERMINATE INDIRECT DRAINS WITH AN AIR GAP MINIMUM OF 2 PIPE DIAMETERS ABOVE FLOOD LEVEL RIM OF FLOOR SINK/DRAIN, UNLESS NOTED OTHERWISE.
6. ALL WASTE AND VENT LINES SHALL BE CONCEALED IN ADJACENT WALLS, BELOW FLOOR, AND ABOVE CEILING CONSTRUCTION. INDIRECT WASTE LINES SHALL BE CONCEALED AS MUCH AS POSSIBLE AND ROUTED AS CLOSE TO WALL AS POSSIBLE TO MINIMIZE INTERFERENCES.
7. WHERE PIPING SIZE IS NOT SHOWN, REFER TO PLUMBING FIXTURE SCHEDULE FOR CONNECTION SIZE.
8. VENT PIPING SHOWN DIAGRAMMATICALLY FOR CLARITY.

FIRST FLOOR SANITARY & VENT PLAN

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