1. PROVIDE YOUNG REGULATOR REMOTE DAMPER CONTROLLER FOR EACH DIFFUSER AND GRILLE LOCATED IN THE HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS SHALL COMPLY WITH THE CODES LISTED ON THIS SHEET AS WELL AS ALL LOCAL CODE OFFICIAL REQUIREMENTS. INSTALLATION AT DIMENSION LISTED.

RETURN DUCT 1" X 16 GA.

HVAC SYMBOL LEGEND

MECHANICAL CODES AND STANDARDS (WITH ALL SOUTH CAROLINA MODIFICATIONS)

AIR DISTRIBUTION SCHEDULE

GENERAL HVAC NOTES

1. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, ELECTRICAL, PIPING, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK AND ALL MACHINICAL AND ELECTRICAL 회의과 함께 몇 가지의 기술적 아이디어가 나와 있습니다. MECHANICAL SYMBOL LEGEND

MECHANICAL ABBREVIATIONS

TABLE 1-1 RECTANGULAR DUCT HANGERS MINIMUM SIZE

NOTES:

1. CONTRACTOR MAY SUBSTITUTE PLASTICIZER (OIL, ETC) OR STIC FOR INDICATED TYPE.
2. CONTRACTOR MAY SUBSTITUTE CROWN T/W FOR INDICATED T/W.
3. PIPING T/W, STIC, AND STOC SHALL BE SCRIMED TO THE TRUNK DUCT AND IMBED WITH MASTIC. MASTIC TAPE IS NOT ACCEPTABLE. SEE SPECIFICATIONS.
SECOND FLOOR HVAC DEMOLITION PLAN

Demolition Keynotes:

- REMOVE THE EXISTING GRILLE/DIFFUSER IN THE CEILING BEING DEMOLISHED. REMOVE EXISTING DUCTWORK AS SHOWN. REFER TO NEW WORK PLANS FOR NEW CONNECTIONS TO EXISTING.
1. PROVIDE ALL NEW DUCT RUNOUTS WITH MANUAL BALANCING DAMPERS. THE TAB CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING THE SYSTEMS TO MEET THE DESIGN AIR CAPACITY.

2. PROVIDE ALL LAY-IN PLENUM RETURN GRILLES WITH CANOPY SILENCERS. BASIS OF DESIGN: PRICE RAC.

GENERAL NOTES

1. CONNECT THE NEW DUCT ABOVE THE LAY IN CEILING.

2. CONNECT THE NEW DUCT IN THE MEZZANINE AREA TO THE EXISTING DUCT SHOWN ON THE 1ST FLOOR PLAN. DUCT SHALL BE UPSIZED FROM 6"Ø TO 8"Ø.

3. CAP THE END OF THE EXHAUST DUCT IN THIS LOCATION.

4. RE-BALANCE THE EXISTING ROOF EXHAUST FAN IF NEEDED TO MEET THE EXHAUST AIRFLOWS INDICATED.

5. MAINTAIN ACCESS AND CLEARANCE TO THE EXISTING UNIT ABOVE THE CEILING.
GENERAL PLUMBING NOTES

1. REFER TO ELECTRICAL FOR VOLTAGE REQUIREMENTS

2. PROVIDE HOT WATER PUMP WITH CAPACITY TO MEET THE HIGHEST WATER DEMAND.

3. PROVIDE SNORKEL OUTLET LOCATED AT THE DECK OR OUTSIDE.(A) PROVIDE VINYL FITTINGS AND PLASTIC PIPE.

4. PROVIDE AND INSTALL 2" DOMESTIC MAIN WITH FITTINGS AND PRESSURE REDUCING VALVE.

5. PROVIDE 3/4" 50' STEEL BUNDLES COVERED WITH HDPE.

6. PROVIDE 1/2" 100' STEEL BUNDLES COVERED WITH HDPE.  PROVIDE 1/2" 100' STEEL BUNDLES COVERED WITH HDPE.

7. PROVIDE 1/2" 100' STEEL BUNDLES COVERED WITH HDPE.  PROVIDE 1/2" 100' STEEL BUNDLES COVERED WITH HDPE.

PLUMBING SYMBOL LEGEND

PLUMBING FIXTURE SCHEDULE

PLUMBING FIXTURE SCHEDULE

PLUMBING NOTES & LEGENDS

PLUMBING COMPONENT IMPORTANCE FACTOR (Q/DISTANCE)

PLUMBING CODES AND STANDARDS (WITH ALL SOUTH CAROLINA MODIFICATIONS)

PLUMBING SYSTEMS

SEISMIC AND WIND REQUIREMENTS

PER IBC-2021/ASCE 7-16

1. REFER TO ELECTRICAL FOR VOLTAGE REQUIREMENTS

2. PROVIDE HOT WATER PUMP WITH CAPACITY TO MEET THE HIGHEST WATER DEMAND.

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26. PROVIDE 1/2" 100' STEEL BUNDLES COVERED WITH HDPE.  PROVIDE 1/2" 100' STEEL BUNDLES COVERED WITH HDPE.
1. DEMOLISH EXISTING LAVATORY AND ASSOCIATED PIPING IN SHADED AREA BACK TO THE (E) CW MAIN CAP AND SEAL PIPING.

2. DEMOLISH EXISTING WATER CLOSET AND ASSOCIATED PIPING IN SHADED AREA BACK TO THE (E) CW MAIN CAP AND SEAL PIPING.

3. DEMOLISH EXISTING WATER HEATER AND ALL ASSOCIATED PIPING IN SHADED AREA BACK TO THE (E) CW AND HW MAIN CAP AND SEAL PIPING.

4. DEMOLISH EXISTING SINK AND ALL ASSOCIATED PIPING IN SHADED AREA BACK TO WALL CAP AND PREP FOR RECONNECTION OF NEW SINK.
DEMO1 - SECOND FLOOR SANITARY & VENT DEMOLITION PLAN

- DEMOLISH PLUMBING FIXTURE AND ASSOCIATED PIPING IN SHADED AREA BACK TO THE 4" MAIN. LEAVE 4" RISER IN TACT FOR FUTURE CONNECTION.

PD201 - SECOND FLOOR SANITARY & VENT DEMOLITION PLAN
GENERAL NOTES

RENOVATION KEYNOTES

1. CONNECT NEW 3/4" DW LINE TO EXISTING 3/4" DW LINE SHOWN ON PLAN. CONSTRUCTION SHALL CONFIRM EXACT LOCATION IN FIELD. IF LINE IS INADEQUATE FOR REUSE CONTRACTOR SHALL DEMOLISH AND PROVIDE NEW 3/4" DW LINE. PROVIDE SHUT OFF VALVE AT NEW CONNECTION.

2. CONNECT 1-1/4" DW LINE TO EXISTING WATER LINE IN WALL.

3. PROVIDE ACCESS TO ELECTRIC WATER HEATER IN CEILING.

GENERAL NOTES

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PROJECT NO. DATE

DRAWING NO. DRAWN BY: CHECKED BY:

SECOND FLOOR DOMESTIC WATER PLAN

KITCHEN 220 DOMESTIC WATER - ENLARGED PLAN

RESTROOM 218/219 DOMESTIC WATER - ENLARGED PLAN

CONNECT NEW 3/4" DW LINE TO EXISTING 3/4" DW LINE SHOWN ON PLAN. CONSTRUCTION SHALL CONFIRM EXACT LOCATION IN FIELD. IF LINE IS INADEQUATE FOR REUSE CONTRACTOR SHALL DEMOLISH AND PROVIDE NEW 3/4" DW LINE. PROVIDE SHUT OFF VALVE AT NEW CONNECTION.

CONNECT 1-1/4" DW LINE TO EXISTING WATER LINE IN WALL.

PROVIDE ACCESS TO ELECTRIC WATER HEATER IN CEILING.
RESTRAINTS ARE NOT REQUIRED IF THE COMPONENT WEIGHS 400 LBS. OR LESS, IS MOUNTED WITH THE CENTER MASS AT 4' OR LESS. FLOOR MOUNTED RESTRAIN ALL RESTRAIN ALL.

DIMENSION

HVAC

RESTRAIN IF > 2.5"

FLOOR MOUNTED RESTRAIN ALL RESTRAIN ALL.

5. REGARDLESS OF CATALOG NUMBER INDICATED IN SCHEDULE, PROVIDE BATTERY BACK-UP FOR ALL LIGHT FIXTURES, EXIT LIGHTS, ALL ASSOCIATED ELECTRICAL WORK UNLESS NOTED OTHERWISE.

2. EXACT LOCATIONS OF LIGHTING FIXTURES IN MECHANICAL SPACES SHALL BE DETERMINED IN THE FIELD.

4. ALL COMMUNICATION DROPS SHALL BE UNSPLICED HOME RUNS FROM DEVICE PLATE TO THE COMMUNICATION RACK LOCATION. PROVIDE 10 FEET OF COILED CABLE AT RACK LOCATION FOR EACH COMMUNICATION DROP.

1. CCU GENERAL NOTE - LOW VOLTAGE INSTALLATION WILL BE PROVIDED BY OTHERS AND HAS BEEN CONSIDERED IN THE ELECTRICAL SYSTEMS SYMBOL LEGEND.

9. PROVIDE A LIST OF CONDUIT SIZES FOR EACH EXPANSION JOINT CROSSING. PROVIDE A LIST OF ALL EXPANSION/DEFLECTION FITTINGS AND THEIR SIZES.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A FIRESTOP SYSTEM IN ALL PENETRATIONS THROUGH FIRE-RATED PARTITIONS. THE FIRESTOP SYSTEM SHALL CONSIST OF A FIRE-RATED CAULK AND FIRE-RATED JOINT SEALANT.

6. PROVIDE A LIST OF SIMULATED BATTERY BACK-UP DEVICES IN ALL LIGHT FIXTURES, EXIT LIGHTS, ALL ASSOCIATED ELECTRICAL WORK UNLESS NOTED OTHERWISE. PROVIDE BATTERY BACK-UP FOR THE LIGHT FIXTURES, EXIT LIGHTS, ALL ASSOCIATED ELECTRICAL WORK UNLESS NOTED OTHERWISE.

10. PROVIDE A LISTED EXPANSION/DEFLECTION FITTING FOR ALL CONDUIT CROSSING EXPANSION JOINTS PER NFPA 70 (2020) NATIONAL ELECTRICAL CODE.

1. CCU GENERAL NOTE - LOW VOLTAGE INSTALLATION WILL BE PROVIDED BY OTHERS AND HAS BEEN CONSIDERED IN THE ELECTRICAL SYSTEMS SYMBOL LEGEND.

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2. EXACT LOCATIONS OF LIGHTING FIXTURES IN MECHANICAL SPACES SHALL BE DETERMINED IN THE FIELD.

4. ALL COMMUNICATION DROPS SHALL BE UNSPLICED HOME RUNS FROM DEVICE PLATE TO THE COMMUNICATION RACK LOCATION. PROVIDE 10 FEET OF COILED CABLE AT RACK LOCATION FOR EACH COMMUNICATION DROP.
**LIGHT FIXTURE SCHEDULE**

<table>
<thead>
<tr>
<th>LIGHT FIXTURE SCHEDULE NOTES</th>
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<tbody>
<tr>
<td>1. COLUMBIA JARS GOTHAM ARE ACCEPTABLE ALTERNATIVES.</td>
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</table>

**LIGHT FIXTURE PLAN KEY**

- **U**: Covered or recessed fixture, not maintained by operator.
- **G**: Covered or recessed fixture, maintained by operator.
- **H**: Hardwired fixture.
- **L**: Localized fixture.
- **N**: Network fixture.
- **E**: Emergency fixture.
- **F**: Fire alarm system.
- **C**: Conduit color schedule.
- **G**: Grounding legend.
- **E**: Electrical schedules.

**EXISTING PANELBOARD SCHEDULE**

<table>
<thead>
<tr>
<th>PANEL NO.</th>
<th>DRAWN BY:</th>
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**GROUNDING LEGEND**

- **E**: Emergency fixture.
- **G**: Grounding conductor.
- **C**: Conduit.

**GROUNDING DETAIL**

- **A**: Addendum.
- **D**: Designation.
- **H**: Grounding detail.
- **S**: Switch.

**DRAWING NO.**: E010

**DATE**: 12/14/2023

**PROJECT NO.**: E010

**ENGINEERS**: GARVIN DESIGN GROUP, INC.

**CONSENT OF THE GARVIN DESIGN GROUP**: WILL BE SUBJECT TO LEGAL ACTION.

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GENERAL NOTES
1. MAINTAIN CIRCUIT CONTINUITY FOR CIRCUITS WHERE DEVICES ARE DEMOLISHED BUT THE ENTIRE CIRCUIT IS NOT.
2. WHERE DEVICES ARE REMOVED IN WALLS THAT ARE EXISTING TO REMAIN, PATCH WALL TO MATCH EXISTING FINISH.
3. ENSURE POWER IS MAINTAINED TO ALL LIGHT FIXTURES AND WIRING DEVICES ASSOCIATED WITH CIRCUITS IN DEMOLITION SCOPE OF WORK.

DEMOlITION KEYNOTES
1. DEMOLISH RECEPTACLE BACK TO NEAREST JUNCTION BOX.
2. DEMOLISH MICROWAVE RECEPTACLE BACK TO NEAREST JUNCTION BOX. CIRCUIT TO BE EXTENDED TO NEW MICROWAVE LOCATION.
3. ELECTRICALLY DISCONNECT WATER HEATER BRANCH CIRCUIT IN WALLS TO BE DEMOLISHED.
4. DEMOLISH EXISTING WATER HEATER BACK TO NEAREST JUNCTION BOX. CAP WIRING FOR E-USE FOR NEW WATER HEATER INSTALLED IN NEW JANTORS CLOSET.
5. IF GARbage DISPOSAL HAS A DIRECT CONNECTION, THEN ELECTRICALLY DISCONNECT THE GARBAGE DISPOSAL FROM CIRCUIT.

EXISTING SWITCH AND POWER FOR GARBAGE DISPOSAL TO REMAIN FOR NEW GARBAGE DISPOSAL.

SECOND FLOOR POWER & TELECOM DEMOLITION PLAN
GENERAL NOTES

1. SHARING CIRCUIT CONTINUITY FOR CIRCUITS WHERE DEVICES ARE DEMOLISHED BUT THE WIRING DEVICES ARE REMAINING IN PLACE, AS DETERMINED TO BE DESIRABLE.
2. SHARING CIRCUIT CONTINUITY FOR CIRCUITS WHERE DEVICES ARE REMOVED IN WALLS THAT ARE TO REMAIN, PATCH WALL TO MATCH EXISTING FINISH.
3. ENSURE POWER IS MAINTAINED TO ALL LIGHT FIXTURES AND WIRING DEVICES ASSOCIATED WITH CIRCUITS IN DEMOLITION SCOPE OF WORK.

SECOND FLOOR LIGHTING DEMOLITION PLAN

DEMOLITION KEYNOTES

1. DEMOLISH SWITCH GANGED WITH RECEPTACLE.
2. CONFIRM THAT SWITCH IS TO TOGGLE THE Adjacent RECEPTACLE ON AND OFF. IF SWITCH IS FOR ANOTHER USE, RELOCATE SWITCH OUTSIDE THE LIMITS OF DEMOLITION. EXTEND CONDUIT AND WIRING AS NEEDED.

1. MAINTAIN CIRCUIT CONTINUITY FOR CIRCUITS WHERE DEVICES ARE DEMOLISHED BUT THE ENTIRE CIRCUIT IS NOT.
2. WHERE DEVICES ARE REMOVED IN WALLS THAT ARE EXISTING TO REMAIN, PATCH WALL TO MATCH EXISTING FINISH.
3. ENSURE POWER IS MAINTAINED TO ALL LIGHT FIXTURES AND WIRING DEVICES ASSOCIATED WITH CIRCUITS IN DEMOLITION SCOPE OF WORK.
SECOND FLOOR SYSTEMS DEMOLITION PLAN
1. Connect all lighting to Circuit 2H2 unless noted otherwise. Route Circuit 2H2 through Lighting Control Panel in Electrical Room 221 for automatic shut off.

2. Connect to existing lighting circuit serving the Conference Room. Existing lighting controller has automatic shut off from Lighting Control Panel in Electrical Room 221.