

NOTE: DASHED OUTLINE IS MEZZANINE ABOVE  
 BOTTOM DECK: 12'-0" BOF JOIST: 11'-0" CEILING: 8'-6" CLEARANCE: 3'-3"

**CONTROLS**

- REMOTE SPACE TEMPERATURE SENSOR: HONEYWELL C7772 WALL-PLATE TYPE, MOUNTED 6" BELOW CEILING.
- HUMIDITY SENSOR: FOR THOSE MOUNTED IN THE DUCTWORK, PROVIDE ACCESS PANEL IN ADJACENT CEILING.
- PROGRAMMABLE THERMOSTAT: FOUR MODES PER DAY MOUNTED IN MANAGER'S OFFICE

TAG	DEVICE	METALARE MODEL #	MOUNTING FRAME	DESCRIPTION
C01	CEILING REGISTER	5750	LAY-IN	PANEL DIFFUSER, FLUSH MOUNT STYLE
C02	CEILING REGISTER	5750	SURFACE	PANEL DIFFUSER, FLUSH MOUNT STYLE, REILEY DAMPER
C03	CEILING DIFFUSER	7900	LAY-IN	PERFORATED FACE WITH 20" TALL FIELD FABRICATED PLENUM BOX AND MODULAR, REMOVABLE CORES. TEST & BALANCE TO ADJUST CORES FOR EACH CO2 DEVICE FOR MAXIMUM HOOD CAPTURE AND SPACE COMFORT
S01	SUPPLY REGISTER	R05-3	SURFACE	LINEAR SPRINGFOOT SUPPLY REGISTER WITH ADJUSTABLE DOUBLE DEFLECTION BLADES AND WITH VOLUME DAMPER. MILL FINISH, NO PAINT.
R01	RETURN GRILLE	R01	LAY-IN	FIXED LOUVER, 45° DEFLECTION.
R02	RETURN REGISTER	R01	SURFACE	FIXED LOUVER, 45° DEFLECTION. PROVIDE OPERED BLADE DAMPER.
D01	DOOR GRILLE	DD01	SURFACE	DOUBLE FLANGE.
L01	LINEAR DIFFUSER	FORMATIONS STANDARD BLADE	SURFACE	LENGTH / SUPPLY SIZE NOTED ON TAG. * INVERTIBLE "V" LOUVER * FALC CONCEALED MOUNTING KIT * ONE SLOT, 2.5" SLOT WIDTH * FALC CONCEALED MOUNTING KIT * CC BORDER TO BE COVERED WITH TAPE AND SPACKLE * STANDARD BLADE USED AS A MAIN VOLUME DAMPER / PATTERN CONTROLLER * PROVIDE ADDITIONAL LAYER OF 1/2" "GREENBOARD" OVER DIFFUSER FACE TO INSULATE SURFACE. * NO INSULATE SURFACE. * LENGTH / SUPPLY SIZE NOTED ON TAG. * ONE SLOT, 1.5" SLOT WIDTH * FALC CONCEALED MOUNTING KIT * FALC CONCEALED MOUNTING KIT * CC BORDER TO BE COVERED WITH TAPE AND SPACKLE * STANDARD BLADE USED AS A MAIN VOLUME DAMPER / PATTERN CONTROLLER * PROVIDE ADDITIONAL LAYER OF 1/2" "GREENBOARD" OVER DIFFUSER FACE TO INSULATE SURFACE. * NO INSULATE SURFACE. * LENGTH / SUPPLY SIZE NOTED ON TAG. * ONE SLOT, 2.0" SLOT WIDTH * FALC CONCEALED MOUNTING KIT * FALC CONCEALED MOUNTING KIT (FACTORY-PAINTED BLACK) * STANDARD BLADE USED AS A MAIN VOLUME DAMPER / PATTERN CONTROLLER
L02	LINEAR DIFFUSER	FORMATIONS STANDARD BLADE	SURFACE	LENGTH / SUPPLY SIZE NOTED ON TAG. * INVERTIBLE "V" LOUVER * FALC CONCEALED MOUNTING KIT * ONE SLOT, 1.5" SLOT WIDTH * FALC CONCEALED MOUNTING KIT * CC BORDER TO BE COVERED WITH TAPE AND SPACKLE * STANDARD BLADE USED AS A MAIN VOLUME DAMPER / PATTERN CONTROLLER * PROVIDE ADDITIONAL LAYER OF 1/2" "GREENBOARD" OVER DIFFUSER FACE TO INSULATE SURFACE. * NO INSULATE SURFACE. * LENGTH / SUPPLY SIZE NOTED ON TAG. * ONE SLOT, 2.0" SLOT WIDTH * FALC CONCEALED MOUNTING KIT * FALC CONCEALED MOUNTING KIT (FACTORY-PAINTED BLACK) * STANDARD BLADE USED AS A MAIN VOLUME DAMPER / PATTERN CONTROLLER
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L04	LINEAR DIFFUSER	FORMATIONS STANDARD BLADE	SURFACE	LENGTH / SUPPLY SIZE NOTED ON TAG. * INVERTIBLE "V" LOUVER * FALC CONCEALED MOUNTING KIT * ONE SLOT, 1.5" SLOT WIDTH * FALC CONCEALED MOUNTING KIT * CC BORDER TO BE COVERED WITH TAPE AND SPACKLE * STANDARD BLADE USED AS A MAIN VOLUME DAMPER / PATTERN CONTROLLER * PROVIDE ADDITIONAL LAYER OF 1/2" "GREENBOARD" OVER DIFFUSER FACE TO INSULATE SURFACE. * NO INSULATE SURFACE. * LENGTH / SUPPLY SIZE NOTED ON TAG. * ONE SLOT, 2.0" SLOT WIDTH * FALC CONCEALED MOUNTING KIT * FALC CONCEALED MOUNTING KIT (FACTORY-PAINTED BLACK) * STANDARD BLADE USED AS A MAIN VOLUME DAMPER / PATTERN CONTROLLER

**HVAC GENERAL NOTES**

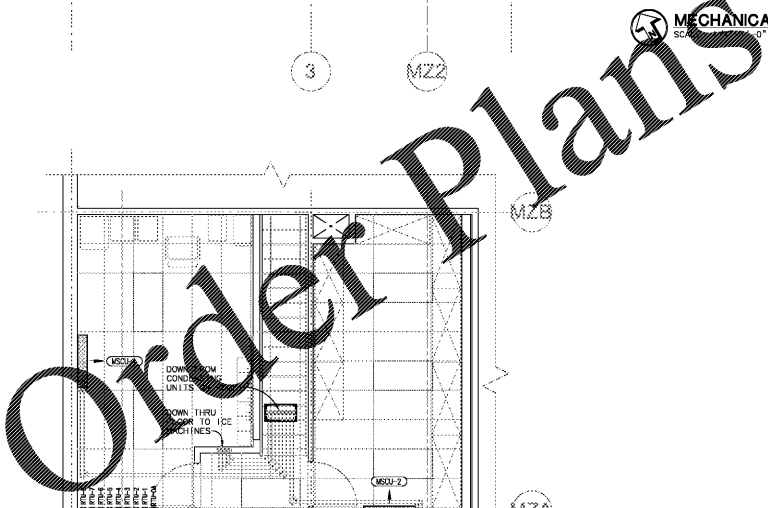
- WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES INCLUDING:
  - 2012 INTERNATIONAL BUILDING CODE (W/ GA AMENDMENTS)
  - 2012 INTERNATIONAL MECHANICAL CODE (W/ GA AMENDMENTS)
  - 2009 INTERNATIONAL ENERGY CONSERVATION CODE (W/ GA AMENDMENTS)
  - ALL APPLICABLE NFPA CODES
- DEFINITIONS: "TURNOUT" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE SHIPMENT. INSTALL SHALL MEAN TO PHYSICALLY INSTALL AN ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL. "PROVIDE" SHALL MEAN TO BOTH FURNISH AND INSTALL AN ITEM.
- TEST AND BALANCE (TAB) SHALL BE PERFORMED BY A TEST AND BALANCE AGENCY WHICH IS A MEMBER OF ASHRAE OR ASHRAE AND APPROVED BY THE ENGINEER. THE MECHANICAL CONTRACTOR SHALL HAVE ALL SYSTEMS FULLY INSTALLED AND OPERATIONAL, WITH CLEAN FILTERS PRIOR TO TEST AND BALANCE. TEST AND BALANCE SHALL BE PERFORMED WITH ALL EQUIPMENT RUNNING SIMULTANEOUSLY. THE TEST AND BALANCE COMPANY SHALL VERIFY THAT ALL DAMPERS ARE FULLY OPEN BEFORE ANY BALANCING. A TAB REPORT SHALL BE SUBMITTED TO THE ENGINEER, WHICH SHALL INCLUDE THE FOLLOWING:
  - ALL AIR FLOW RESULTS FOR ALL AIR DISTRIBUTION DEVICES
  - AIR FLOWS FOR TOTAL SUPPLY AIR, OUTSIDE AIR, AND DRAUAGES
  - ANY DIFFERENCES BETWEEN AS-BUILT CONDITIONS AND THE MECHANICAL PLANS THAT MAY AFFECT SYSTEM PERFORMANCE OR BALANCING
  - MEASUREMENT OF UNIT COOLING AND HEATING CAPACITY INCLUDING COIL ENTERING AIR AND LEAVING AIR DRY BULB AND WET BULB, AND OUTSIDE AIR DRY BULB AT THE CONDENSERS
  - VERIFICATION OF ALL CONTROLS TO FUNCTION IN COMPLIANCE WITH THE MECHANICAL PLANS INCLUDING INTERLOCK OF FANS AND OUTSIDE AIR DAMPERS.

**HVAC EQUIPMENT**

- THE BASIS OF DESIGN FOR THE NEW ROOFTOP UNITS IS LINNEX (NO SUBSTITUTIONS). CONTACT TD WRIGHT (972-872-3818, TD.WRIGHT@TDWRIGHT.COM)
- THE BASIS OF DESIGN FOR THE NEW HOODS AND FANS IS CAPTIVARE (NO SUBSTITUTIONS). CONTACT CAPTIVARE (817-448-7884, RGS@CAPTIVARE.COM)
- ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED.
- ALL EQUIPMENT SHALL BE INSTALLED ACCORDANCE WITH THE CONDITIONS OF THE LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- THE AIR CONDITIONING EQUIPMENT SHALL BE OPERATED DURING CONSTRUCTION WITH THROUGH-ROOF FILTERS. FILTERS SHALL BE CHANGED DURING CONSTRUCTION IF THEY BECOME RESTRICTIVE TO AIR FLOW FOR NORMAL OPERATION. PROVIDE 30% PLATED MEDIA FILTERS, JUST PRIOR TO TEST AND BALANCE.
- THE MECHANICAL SUBCONTRACTOR SHALL PREPARE PLANS SHOWING THE LOCATIONS AND SIZES OF ALL WALL PENETRATIONS AND ROOF OPENINGS, FOR USE BY THE GENERAL CONTRACTOR.
- SUBMITTALS SHALL BE REVIEWED BY THE ELECTRICAL SUBCONTRACTOR FOR IMPACT ON THE ELECTRICAL PRIOR TO ORDERING EQUIPMENT. ANY SUBSTITUTED EQUIPMENT SHALL BE PROTECTED BY OTHER TUBES OR AN HOUR BREAKER.
- UNITS SHALL BE CLEANED, ALL SPATCHES SHALL BE PAINTED OVER WITH FACTORY PAINT TO MATCH UNIT. ALL CONDENSER COILS SHALL BE CLEANED OUT, AND ALL PANELS AND SCREWS SHALL BE RE-INSTALLED AT COMPLETION OF THE PROJECT.

**HVAC CONTROLS**

- THERMOSTATS SHALL BE DIGITAL, 7-DAY PROGRAMMABLE WITH 4 MODES PER DAY.
- THERMOSTATS SHALL HAVE STAGES OF CAPACITY TO MATCH THE NUMBER OF COMPRESSORS AND THE STAGES OF ELECTRIC HEAT PROVIDED IN THE UNIT.
- ALL THERMOSTATS SHALL BE LOCATED IN THE MANAGER'S OFFICE, AS SHOWN ON M1.01, WITH REMOTE SPACE TEMPERATURE SENSORS.
- ALL REMOTE SPACE TEMPERATURE SENSORS SHALL BE HONEYWELL C7772 WALL-PLATE TYPE.
- ALL SENSORS LOCATED ON EXTERIOR WALLS SHALL HAVE INSULATED BASES.
- ALL SENSORS SHALL BE LOCATED 4" BELOW THE CEILING, ON THE WALL SHOW.
- ALL HUMIDISTS, WHICH SERVE DINING AREA UNITS, SHALL BE LOCATED IN THE RETURN DUCTWORK. PROVIDE ACCESS DOORS IF LOCATED ABOVE A CEILING.
- NONE OF THE NEW ROOFTOP UNITS ARE OVER 5-TONS. SO NO NEW SMOKE DETECTORS ARE REQUIRED. HOWEVER, ALL OF THE EXISTING ROOFTOP UNITS ARE OVER 5-TONS, AND HAVE EXISTING SMOKE DETECTORS. THESE SHALL BE RE-USED AND RE-WIRED BY THE FIRE ALARM CONTRACTOR (IF REQUIRED BY THE AHJ).
- LOW VOLTAGE (24V) CONTROL WIRING SHALL BE PROVIDED BY THE MECHANICAL SUBCONTRACTOR, WHO SHALL SUBCONTRACT WITH THE ELECTRICAL SUBCONTRACTOR TO PROVIDE CONDUIT FOR ALL CONTROL WIRING, AS COORDINATED WITH THE MECHANICAL SUBCONTRACTOR. ALL CONDUIT SHALL BE RAN SQUARE WITH BUILDING LINES.
- LINE VOLTAGE (120V AND HIGHER) CONTROL AND POWER WIRING AND CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL SUBCONTRACTOR.
- THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE ALL DISCONNECT SWITCHES.
- THE MECHANICAL SUBCONTRACTOR SHALL PROVIDE ALL STARTERS.



**MECHANICAL PLAN - MEZZANINE**  
 SCALE: 1/4"=1'-0"

**WHISKEY**  
 CAKE KITCHEN  
 SPAN

NO.	REVISIONS	DATE

LANDSCAPE REVIEW ISSUE DATE: 12-10-2019  
 80 ISSUE DATE: 12-13-2019  
 PERMIT ISSUE DATE: 12-13-2019  
 CONSTRUCTION ISSUE DATE: XXX-XX-XXXX

DRAWING TITLE:  
**MECHANICAL PLAN**

DRAWING NUMBER:  
**M1.01**