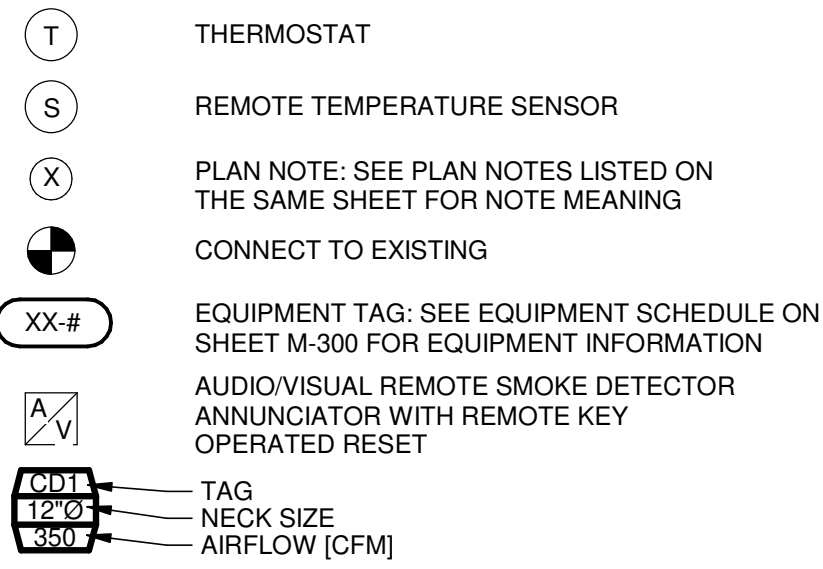
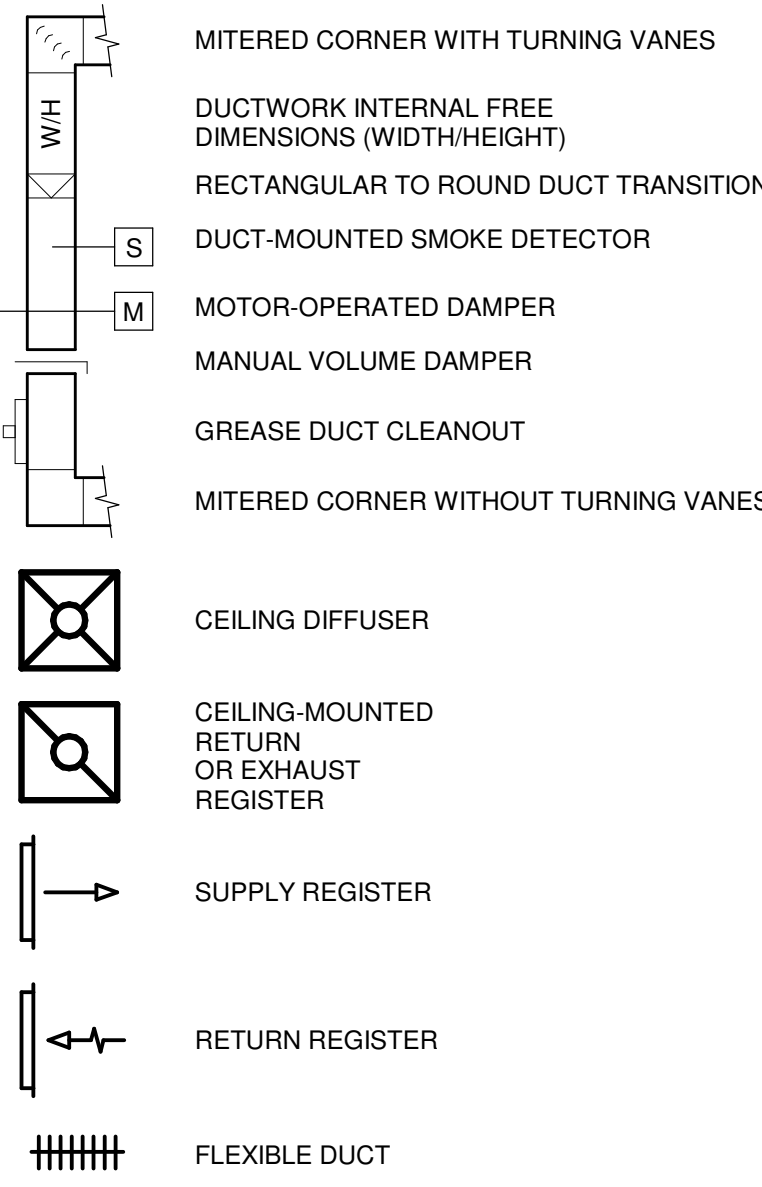


SYMBOLS AND ABBREVIATIONS

HVAC SYMBOLS



HVAC ABBREVIATIONS

(E)	EXISTING	(R)	RELOCATED
AFF	ABOVE FINISHED FLOOR	AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT	BC	BLOWER COIL
CD	CEILING DIFFUSER	CU	CONDENSING UNIT
EF	EXHAUST FAN	ER	EXHAUST REGISTER
EXTG	EXISTING	GC	GENERAL CONTRACTOR
HES	TENANT'S HVAC EQUIPMENT SUPPLIER	KES	TENANT'S KITCHEN EQUIPMENT SUPPLIER
OBD	BLADE DAMPER	PL	PLENUM
RG	RETURN GRILLE	RTU	ROOFTOP UNIT
SD	SLOT DIFFUSER	SR	SUPPLY REGISTER
VSC	VARIABLE SPEED CONTROL	WSHP	WATER SOURCE HEAT PUMP

CODED NOTES

- INSTALL EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTION AND PER THE STRUCTURAL DETAILS.
- COORDINATE MOUNTING LOCATION FOR WALK-IN COOLER CONDENSING UNIT, CU-1 ON TOP OF THE WALK-IN COOLER WITH THE KITCHEN EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. ENSURE ALL CLEARANCE REQUIREMENTS FOR THE UNIT ARE MAINTAINED THROUGH CONSTRUCTION. ALL EQUIPMENT SUPPLIER SHALL PROVIDE LINESET, SPECIALTIES AND MAKE ALL FINAL CONNECTIONS BETWEEN THE CONDENSING UNIT AND EVAPORATOR COIL.
- PROVIDE SUPPLY DIFFUSER CONNECTION PER DETAIL 1/SHEET M-400.
- REFER TO THE ARCHITECTURAL RCP FOR CEILING MOUNTED EQUIPMENT LOCATION, TYPICAL.
- PROVIDE AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET. WIRE A UNIT BACK TO EACH SMOKE DETECTOR. MOUNT UNIT 60" AFF, TYPICAL.
- PROVIDE "LIGHTSTAT" THERMOSTATS WITH LOCKABLE COVERS (HONEYWELL CG512A) FOR AHU-1 AT THIS LOCATION AT 48" AFF. COORDINATE WITH ELECTRICAL SWITCHING IN THE AREA AND EXTEND WIRING TO REMOTE TEMPERATURE SENSOR AND UNITS. LABEL EACH THERMOSTAT ACCORDINGLY. COORDINATE THERMOSTAT LOCATION WITH WALL-MOUNTED EQUIPMENT SO THAT THE THERMOSTATS ARE NOT BLOCKED BY SHELVING, COAT RACKS OR DOORS.
- INSTALL THE TEMPERATURE SENSOR FOR THE HVAC EQUIPMENT NOTED AT THIS LOCATION AT 5'-0" AFF. COORDINATION LOCATION WITH EQUIPMENT AND WALL-MOUNTED FIXTURES AS REQUIRED SUCH THAT THE SENSOR IS NOT BLOCKED.
- INSTALL THE OWNER-FURNISHED MAIN CONTROLLER FOR THE HVAC EQUIPMENT NOTED AT THIS LOCATION AT 48" AFF. COORDINATE WITH ELECTRICAL SWITCHING IN THE AREA AND EXTEND CONTROLS WIRING AS NOTED IN THE TRANE SHOP DRAWINGS. COORDINATE CONTROLLER LOCATION WITH WALL-MOUNTED EQUIPMENT SO THAT THE CONTROLLER IS NOT BLOCKED BY SHELVING, COAT RACKS OR DOORS.
- REFER TO DETAIL 3/SHEET M-400 FOR AIR HANDLER INSTALLATION DETAILS.
- PROVIDE EXPOSED DUCTWORK AS SHOWN, PER THE SPECIFICATIONS AND PER DETAIL 2/SHEET M-400.
- THE GENERAL CONTRACTOR SHALL FURNISH A REME HALO AIR PURIFICATION SYSTEM AND REQUIRED TRANSFORMER PURCHASED THROUGH SWEETGREEN'S VENDOR (NATIONAL TAB) AND INSTALL SYSTEM IN THE SUPPLY AIR DUCTWORK AND PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ADJUST AS REQUIRED FOR THE SUPPLY AIRFLOW.
- PROVIDE TWO-POSITION DAMPER IN LOCATION SHOWN. WHEN THE SPACE IS SCHEDULED TO BE IN OCCUPIED MODE, THE DAMPER SHALL POWER OPEN. DURING UNOCCUPIED MODE, THE DAMPER SHALL SPRING CLOSED.
- THE GENERAL CONTRACTOR SHALL PROVIDE A DUCT-MOUNTED SMOKE DETECTOR IN THE RETURN AIR STREAM. UPON DETECTION OF SMOKE, THE SUPPLY AIR FAN SHALL DE-ENERGIZE. COORDINATE ALL REQUIREMENTS WITH THE LANDLORD AND ALARM PROVIDER.
- MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCE ZONES. NO DUCTWORK, PIPING, CONDUIT OR OTHER SYSTEMS SHALL BE PERMITTED IN THIS AREA. COORDINATE WITH SITE CONDITIONS AND WORK OF OTHER TRADES AS REQUIRED. TYPICAL.
- INSTALL THE OWNER-FURNISHED REFRIGERANT PIPING BETWEEN THE ROOF-MOUNTED CONDENSING UNITS TO THE JOINT PIPE WITHIN THE SPACE AND FROM THE JOINT PIPE TO THE AIR HANDLING UNITS PER THE MANUFACTURER'S SHOP DRAWINGS. COORDINATE LINESET PATHWAY WITH THE LANDLORD AND SITE CONDITIONS AS REQUIRED. COORDINATE LINESET LENGTH AND QUANTITIES REQUIRED WITH THE OWNER'S NATIONAL ACCOUNT REPRESENTATIVE PRIOR TO EQUIPMENT SHIPPING.
- INSTALL THE OWNER-FURNISHED FILTER BOX FOR THE AIR HANDLING UNIT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- EXPOSED VENTILATION AIR DUCTWORK SHALL BE DOUBLE-WALL INSULATED DUCTWORK AS NOTED IN THE MATERIAL SCHEDULE AND THE SPECIFICATIONS.
- PROVIDE A DUCT HEATER IN THE SUPPLY AIR STREAM IN LOCATION SHOWN. ENSURE THAT THERE IS A MINIMUM OF 4'-0" OF STRAIGHT DUCT AT THE INLET AND OUTLET OF THE HEATER. INSTALL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALL THE TYPE II HOOD, HD-2 IN LOCATION SHOWN. SUPPORT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALL HOOD ACCORDING TO THE REQUIREMENTS OF ITS LISTING, THE BUILDING CODE, ALL NFPA REQUIREMENTS AND THE LOCAL AUTHORITY HAVING JURISDICTIONS REQUIREMENTS.
- PROVIDE A DUCT-MOUNTED TEMPERATURE SENSOR IN THE LOCATION SHOWN. REFER TO THE SEQUENCE OF OPERATIONS FOR MORE INFORMATION.
- PROVIDE DUCT-MOUNTED THERMOSTAT FOR DUCT HEATER. REFER TO THE SEQUENCE OF OPERATIONS FOR MORE INFORMATION.
- PROVIDE A RUSKIN CBD2 COUNTERBALANCED BACKDRAFT DAMPER IN THE PRESSURE-RELIEF AIR DUCTWORK. DAMPER SHALL BE BALANCED TO PERMIT THE REQUIRED AIRFLOW TO EXIT DURING ECONOMIZER OPERATION AND SHALL REMAIN CLOSED DURING DESIGN CONDITIONS. INSTALL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- CONNECT TO THE EXISTING LOUVER IN THE STOREFRONT. FIELD-VERIFY EXACT SIZE, LOCATION AND FREE AREA PRIOR TO ROUGH-IN.
- EXISTING AIR HANDLING UNIT PROVIDED BY THE LANDLORD TO REMAIN.
- PROVIDE DRAIN PAN UNDER THE EXISTING AIR HANDLING UNIT PER DETAIL 3/SHEET M-400.
- DUCTWORK SHALL BE ROUTED OVER TOP OF THE CLEARANCE AREA REQUIRED BY THE DUCT HEATER.
- DUCTWORK AND BACKDRAFT DAMPER SHALL SERVE AS SPACE PRESSURE RELIEF FOR AHU-1.
- PROVIDE A BELIMO ZIP ECONOMIZER FOR THE MECHANICAL EQUIPMENT. PROVIDE 24V FULLY-MODULATING DAMPERS, SENSORS AND WIRING AS REQUIRED FOR A FULLY FUNCTIONING ENTHALPY ECONOMIZER SYSTEM. -INSTALL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS-
- PROVIDE A DUCT HEATER IN THE OUTSIDE AIR STREAM IN LOCATION SHOWN. ENSURE THAT THERE IS A MINIMUM OF 4'-0" OF STRAIGHT DUCT AT THE INLET AND OUTLET OF THE HEATER. INSTALL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- COORDINATE A LOCATION OF AN ACCESS PANEL IN THIS AREA TO FACILITATE ACCESS FOR MAINTENANCE AND REPLACEMENT OF THE DUCT HEATER AS NECESSARY.

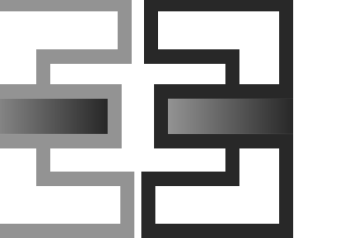


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LOS ANGELES, CALIFORNIA 90018

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ENGINEER OF RECORD:



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WORTHINGTON, OH 43085
240-319-0822

www.everjengineering.com
IL Design Firm: 184008661-0002

STAMP:



Joshua A. Everett
10/13/2022

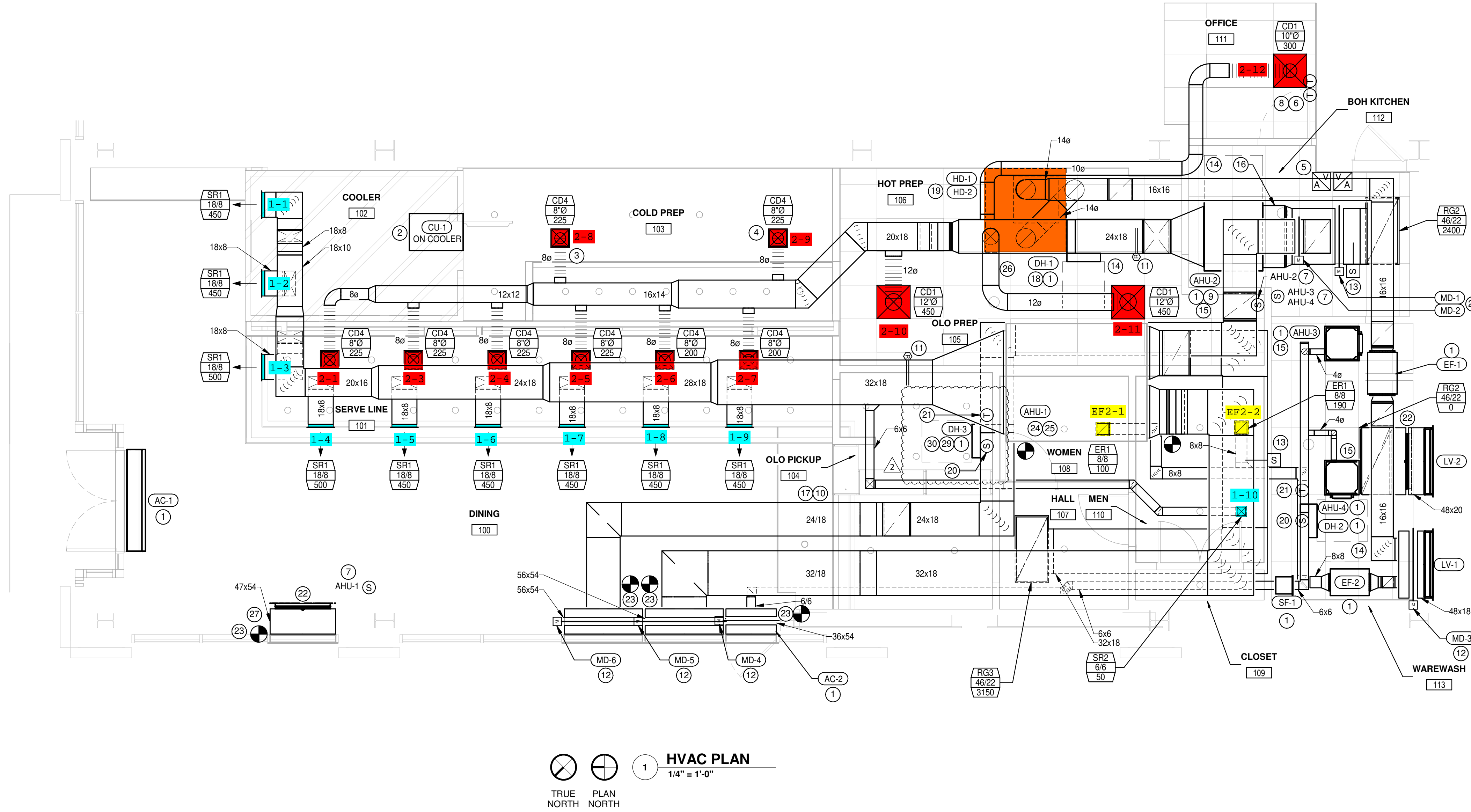
PROJECT INFORMATION:
LOGAN SQUARE
2500 NORTH MILWAUKEE AVE.
CHICAGO, IL 60647

DRAWN BY: JAE
CHECKED BY: MK
PROJECT MANAGER: JAE
SG DESIGN MANAGER: LK
SG CONSTR. MANAGER: JB
PROJECT NO: 220013
TEMPLATE VERSION: 12/21/2021

REVISIONS
REV. DATE DESCRIPTION
2 10/13/22 DUCT HEATER ADDITION

HVAC PLAN

M-100



HVAC PLAN
1/4" = 1'-0"
TRUE NORTH PLAN NORTH

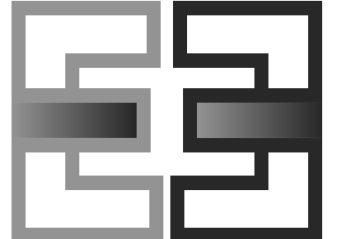


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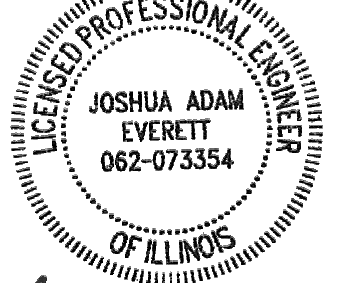
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STAMP:



10/13/2022

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REVISIONS REV. DATE DESCRIPTION 2 10/13/22 DUCT HEATER ADDITION

HVAC SCHEDULES

M-300

MOTORIZED DAMPER SCHEDULE

Table with columns: TAG, OPERATION, FAIL POSITION, SPRING RETURN, VOLTAGE, REMARKS. Rows include MD-1 through MD-6.

GRILLS, REGISTERS, AND DIFFUSERS SCHEDULE

Table with columns: TAG, DESCRIPTION, FACE SIZE, MATERIAL, FINISH, MOUNTING, SUPPLIER, INSTALLER, MANUFACTURER, MODEL, REMARKS. Rows include CD1, CD4, ER1, RG2, RG3, SR1, SR2.

RECIRCULATING HOOD SCHEDULE

Table with columns: TAG, DESCRIPTION, MAX COOKING TEMP., EXHAUST PLENUM AIRFLOW [CFM], APPROXIMATE WEIGHT [lbs], SUPPLIER, INSTALLER, ELECTRICAL DATA (WATTS, V/P/H), BASIS FOR DESIGN (MANUFACTURER, MODEL), REMARKS. Row includes HD-1.

FAN SCHEDULE

Table with columns: TAG, EXHAUST AIRFLOW [CFM], E.S.P. (IN. W.C.), DRIVE TYPE, MOTOR POWER (HP), WEIGHT (LBF), V/P/H, SUPPLIER, INSTALLER, MANUFACTURER, MODEL, SPECIAL REMARKS. Rows include EF-1, EF-2, SF-1.

DUCT HEATER SCHEDULE

Table with columns: TAG, DESCRIPTION, AIRFLOW [CFM], NUMBER OF STEPS, HEATING (OUTPUT [BTU/H], EAT [DEG. F], LAT [DEG. F]), ELECTRICAL (KW, V/P/H), SUPPLIER, INSTALLER, BASIS OF DESIGN (MANUFACTURER, MODEL), REMARKS. Rows include DH-1, DH-2, DH-3.

TYPE II HOOD SCHEDULE

Table with columns: TAG, DESCRIPTION, HOOD CONSTRUCTION (WIDTH, DEPTH, MATERIAL), MAXIMUM COOKING TEMPERATURE (DEG. F), EXHAUST COLLARS (AIRFLOW [CFM], DIAMETER [IN]), PRESSURE DROP (IN. W.G.), WEIGHT (LB), SUPPLIER, INSTALLER, MANUFACTURER, MODEL, REMARKS. Row includes HD-2.

LOUVER SCHEDULE

Table with columns: TAG, DESCRIPTION, FACE SIZE (W" x H"), SIZE (FACE AREA [SF], FREE AREA [SF]), AIRFLOW (TOTAL AIRFLOW [CFM], PRESSURE DROP [IN W.C.]), MATERIAL, FINISH, SUPPLIER, INSTALLER, MANUFACTURER, MODEL, SPECIAL REMARKS. Rows include LV-1, LV-2.

HEATED AIR CURTAIN SCHEDULE

Table with columns: TAG, DESCRIPTION, OPENING WIDTH, AIRFLOW (MAX VELOCITY [FPM], AVERAGE VELOCITY [FPM], AIRFLOW [CFM]), HEATING (HEATING KW, MCOCP [A], MCA [A]), ELECTRICAL (V/P/H), SUPPLIER, INSTALLER, MANUFACTURER, MODEL, REMARKS. Rows include AC-1, AC-2.

CONDENSING UNIT SCHEDULE

Table with columns: TAG, DESCRIPTION, PAIRED WITH, NOMINAL CAPACITY (TONS), NUMBER OF COMPRESSORS, REFRIGERANT TYPE, WEIGHT (LB), ELECTRICAL (MCOCP, MCA, V/P/H), SUPPLIER, INSTALLER, MANUFACTURER, MODEL, REMARKS. Rows include CU-1, CU-2, CU-3.

AIR HANDLING UNIT SCHEDULE - ELECTRIC HEAT

Table with columns: TAG, DESCRIPTION, COOLING CAPACITY (TONS), EER, AIRFLOW (TOTAL [CFM], RETURN [CFM], OA [CFM]), COOLING (NET TOTAL [MBH], NET SENSIBLE [MBH], EAT [DEG. F]), HEATING (EAT [DEG. F], HEATING CAPACITY [KW]), ELECTRICAL (WEIGHT [LB], MCOCP [A], FLA [A], V/P/H), SUPPLIER, INSTALLER, MANUFACTURER, MODEL, REMARKS. Row includes AHU-1.

AIR HANDLING UNIT SCHEDULE - HEAT PUMP

Table with columns: TAG, DESCRIPTION, COOLING CAPACITY (TONS), EER, AIRFLOW (TOTAL [CFM], RETURN [CFM], OA [CFM]), COOLING (NET TOTAL [MBH], NET SENSIBLE [MBH], EAT [DEG. F]), HEATING (EAT [DEG. F], TOTAL [MBH], LAT [DEG. F]), ELECTRICAL (WEIGHT [LB], MCOCP [A], FLA [A], V/P/H), SUPPLIER, INSTALLER, MANUFACTURER, MODEL, REMARKS. Rows include AHU-2, AHU-3, AHU-4.

VENTILATION AIR CALCULATIONS

Table with columns: ROOM NUMBER, ROOM DESCRIPTION, ROOM PURPOSE (PER TABLE 403.3), FLOOR AREA (SF), CFM / SF, REQUIRED OUTDOOR AIR (CFM), REQUIRED AIR FROM OUTDOORS (33.3% Per 18-28-403.1) (CFM), PROVIDED OUTDOOR AIR (CFM), EXHAUST (REQUIRED EXHAUST AIR [CFM], PROVIDED EXHAUST AIR [CFM]). Rows include 100, 107, 108, 110, 101, 104, 103, 105, 106, 102, 111.

MATERIAL SCHEDULE

Table with columns: CATEGORY, APPLICATION, ALLOWABLE MATERIAL. Rows include EXPOSED VENTILATION AIR, CONCEALED SUPPLY, CONCEALED RETURN, CONCEALED GEN. EXHAUST, CONCEALED VENTILATION AIR, CONDENSATE DRAINS.

AIR BALANCE SCHEDULE

Table with columns: TAG, SUPPLY AIRFLOW [CFM], RETURN AIRFLOW [CFM], OUTSIDE AIRFLOW [CFM], EXHAUST AIRFLOW [CFM], SUBTOTAL [CFM]. Rows include AHU-1 through EF-2, and Net Pressurization [CFM].

TRANE NATIONAL ACCOUNT - HVAC SYSTEM INFORMATION

CONTACT THE TRANE NATIONAL ACCOUNT TEAM FOR HVAC SYSTEM INFORMATION AT: EMAIL - SOCIALNA@TRANE.COM PHONE - (714)983-0505 OPTION 4 (NATIONAL ACCOUNTS TEAM) OR ANY OF THE BELOW SOUTHERN CALIFORNIA NATIONAL ACCOUNTS TEAM MEMBERS: DEREK VAN RIPER, MARIA G. GARCIA, JEFF SWANSON, (714)227-9366, (714)983-0454, (626)945-6049, DEREK.VANRIPPER@TRANE.COM, MGGARCIA@TRANE.COM, JSWANSON@TRANE.COM

SWEETGREEN SHALL FURNISH THE MECHANICAL SYSTEM AND ASSOCIATED ACCESSORIES THROUGH THEIR NATIONAL ACCOUNTS REPRESENTATIVES NOTED ABOVE. THE GENERAL CONTRACTOR SHALL INSTALL THE SYSTEM AND ACCESSORIES AS NOTED IN THESE DRAWINGS AND AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. COORDINATE WITH SWEETGREEN AND THE REPRESENTATIVES AS REQUIRED AND NOTED ON THE PLANS.

ANY CHANGES OR VARIATION TO THE EQUIPMENT PACKAGE THAT WOULD AFFECT THE HVAC EQUIPMENT PACKAGE SHOULD BE BROUGHT TO THE ATTENTION OF THE TRANE NATIONAL ACCOUNT TEAM AND THE ARCHITECT/ENGINEER OF RECORD AT THE TIME OF QUOTATION.



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IL Design Firm: 184008661-0002

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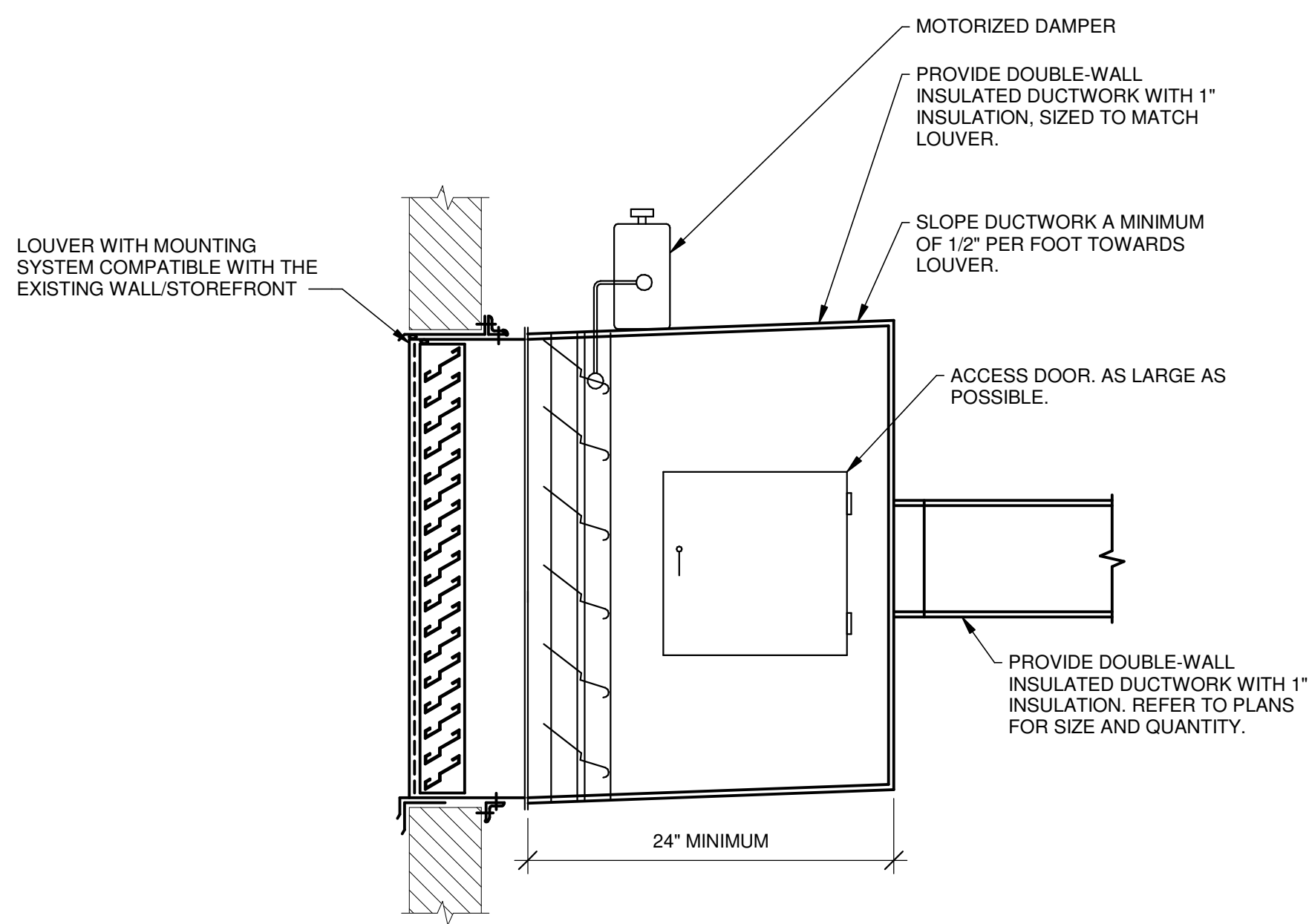
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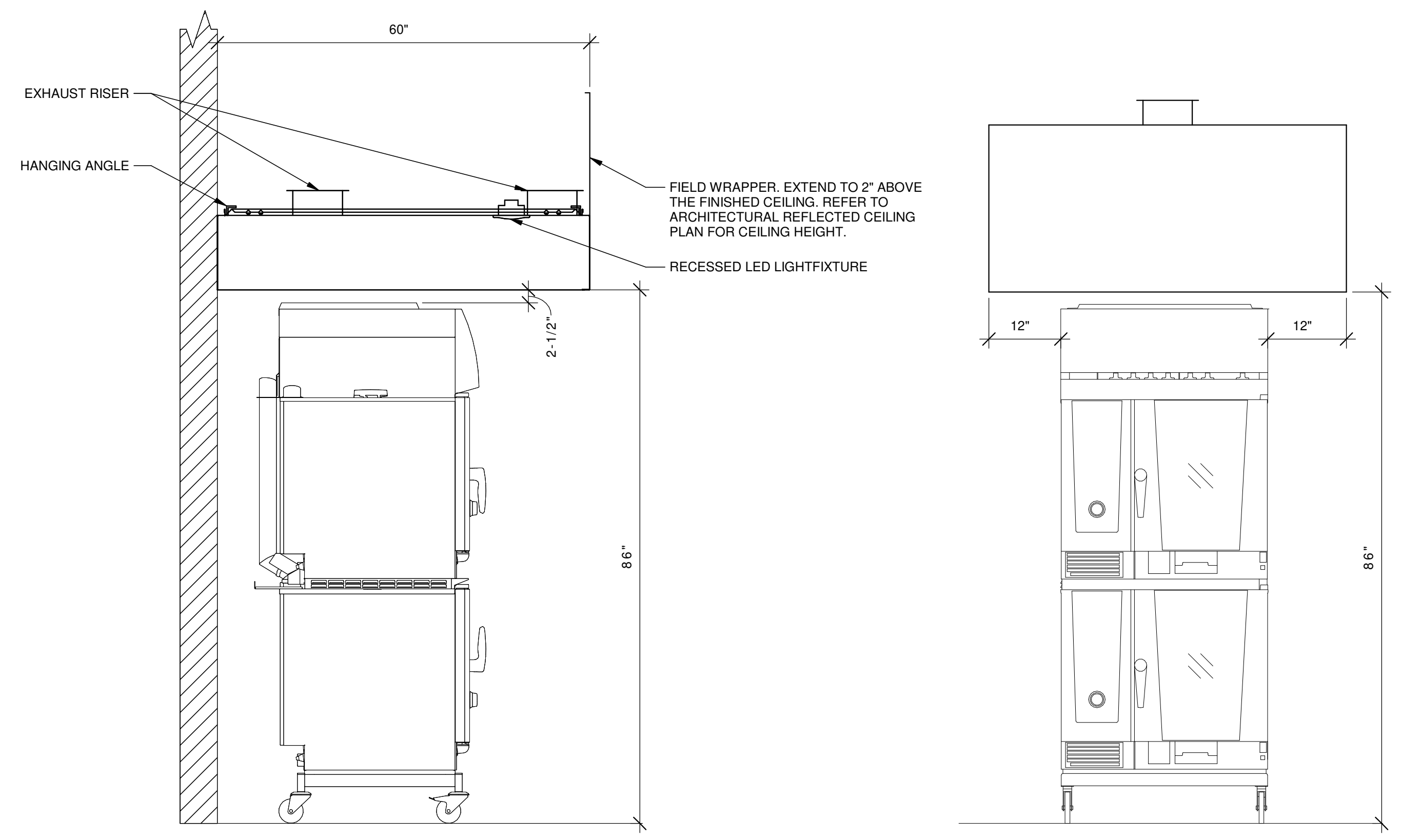
REVISIONS
2 10/13/22 DUCT HEATER ADDITION

HVAC DETAILS

M-400



7 LOUVER INSTALLATION DETAIL
N.T.S.



5 HOOD ELEVATIONS
N.T.S.

SEQUENCE OF OPERATIONS AHU-1 & AHU-2

OCCUPIED MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: WHEN SCHEDULED BY THE THERMOSTAT TO BE IN OCCUPIED MODE, THE AIR HANDLING UNIT FAN SHALL START AND RUN CONTINUOUSLY AND THE OUTSIDE AIR DAMPERS SHALL MODULATE TO THE MINIMUM POSITION.
HEATING: ON A FALL IN SPACE TEMPERATURE BELOW THE SETPOINT OF 70 DEGREES (ADJUSTABLE) THE FIRST STAGE OF HEATING SHALL BE ENERGIZED TO MAINTAIN THE SETPOINT. UPON A CONTINUED FALL IN SPACE TEMPERATURE, THE SECOND STAGE SHALL BE ENERGIZED (WHERE APPLICABLE) TO MAINTAIN THE SETPOINT.
COOLING: ON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT OF 72 DEGREES (ADJUSTABLE), WHEN THE ENTHALPY OF THE OUTSIDE AIR IS FAVORABLE, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN UP TO 100% TO PROVIDE COOLING FOR THE SPACE. WHEN THE ENTHALPY OF THE OUTSIDE AIR IS NOT FAVORABLE, OR THERE IS A SUDDEN DEMAND FOR SPACE COOLING, THE OUTSIDE AIR DAMPER SHALL MODULATE TO THE MINIMUM POSITION AND THE COOLING SHALL BE ENERGIZED AS REQUIRED TO MAINTAIN THE SETPOINT.

UNOCCUPIED MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: WHEN SCHEDULED BY THE THERMOSTAT TO BE IN UNOCCUPIED MODE, THE AIR HANDLING UNIT FAN SHALL BE OFF AND THE OUTSIDE AIR DAMPERS SHALL REMAIN CLOSED.
HEATING: ON A FALL IN SPACE TEMPERATURE BELOW THE SETPOINT OF 65 DEGREES (ADJUSTABLE) THE ROOFTOP UNIT FAN SHALL START AND THE FIRST STAGE OF HEATING SHALL BE ENERGIZED TO MAINTAIN THE SETPOINT. UPON A CONTINUED FALL IN SPACE TEMPERATURE, THE SECOND STAGE SHALL BE ENERGIZED (WHERE APPLICABLE) TO MAINTAIN THE SETPOINT.
COOLING: ON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT OF 85 DEGREES (ADJUSTABLE) THE ROOFTOP UNIT FAN SHALL START. WHEN THE ENTHALPY OF THE OUTSIDE AIR IS FAVORABLE, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN UP TO 100% TO PROVIDE COOLING FOR THE SPACE. WHEN THE ENTHALPY OF THE OUTSIDE AIR IS NOT FAVORABLE, OR THERE IS A SUDDEN DEMAND FOR SPACE COOLING, THE OUTSIDE AIR DAMPER SHALL REMAIN IN THE CLOSED POSITION AND THE COOLING SHALL BE ENERGIZED AS REQUIRED TO MAINTAIN THE SETPOINT.

EMERGENCY MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: UPON A SIGNAL FROM THE FIRE ALARM SYSTEM, THE FAN SHALL STOP AND THE OUTSIDE AIR DAMPER SHALL CLOSE

SEQUENCE OF OPERATIONS AHU-3 & AHU-4

OCCUPIED MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: WHEN SCHEDULED BY THE TIME CLOCK TO BE IN OCCUPIED MODE, THE AIR HANDLER FANS ARE TO START AND RUN CONTINUOUSLY.
HEATING: ON A FALL IN SPACE TEMPERATURE BELOW THE SETPOINT OF 70 DEGREES (ADJUSTABLE) THE AIR HANDLING UNIT SHALL BE SWITCHED TO HEATING MODE AND THE HEAT SHALL MODULATE AS REQUIRED TO MAINTAIN THE TEMPERATURE SETPOINT.
COOLING: ON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT OF 72 DEGREES (ADJUSTABLE) THE AIR HANDLING UNIT SHALL BE SWITCHED TO COOLING MODE AND THE COOLING CAPACITY SHALL MODULATE AS REQUIRED TO MAINTAIN THE TEMPERATURE SETPOINT.

UNOCCUPIED MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: WHEN SCHEDULED BY THE TIME CLOCK TO BE IN UNOCCUPIED MODE, THE AIR HANDLER FANS ARE TO BE OFF.
HEATING: ON A FALL IN SPACE TEMPERATURE BELOW THE SETPOINT OF 65 DEGREES (ADJUSTABLE) THE AIR HANDLING UNIT FAN SHALL START AND THE AIR HANDLING UNIT SHALL BE SWITCHED TO HEATING MODE AND THE HEAT SHALL MODULATE AS REQUIRED TO MAINTAIN THE TEMPERATURE SETPOINT.
COOLING: ON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT OF 85 DEGREES (ADJUSTABLE) THE AIR HANDLING UNIT FAN SHALL START AND THE UNIT SHALL BE SWITCHED TO COOLING MODE AND THE COOLING SHALL MODULATE AS REQUIRED TO MAINTAIN THE TEMPERATURE SETPOINT.

EMERGENCY MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: UPON A SIGNAL FROM THE FIRE ALARM SYSTEM, THE FAN SHALL STOP AND THE OUTSIDE AIR DAMPER SHALL CLOSE

SEQUENCE OF OPERATIONS EF-1, EF-2 & SF-1

OCCUPIED MODE:
FAN OPERATION: WHEN SCHEDULED BY THE TIME CLOCK TO BE IN OCCUPIED MODE, THE FAN IS TO START AND RUN CONTINUOUSLY.

UNOCCUPIED MODE:
FAN OPERATION: WHEN SCHEDULED BY THE TIME CLOCK TO BE IN UNOCCUPIED MODE, THE FAN SHALL REMAIN OFF.

EMERGENCY MODE:
FAN OPERATION/OUTSIDE AIR DAMPER: UPON A SIGNAL FROM THE FIRE ALARM SYSTEM, THE FAN SHALL STOP.

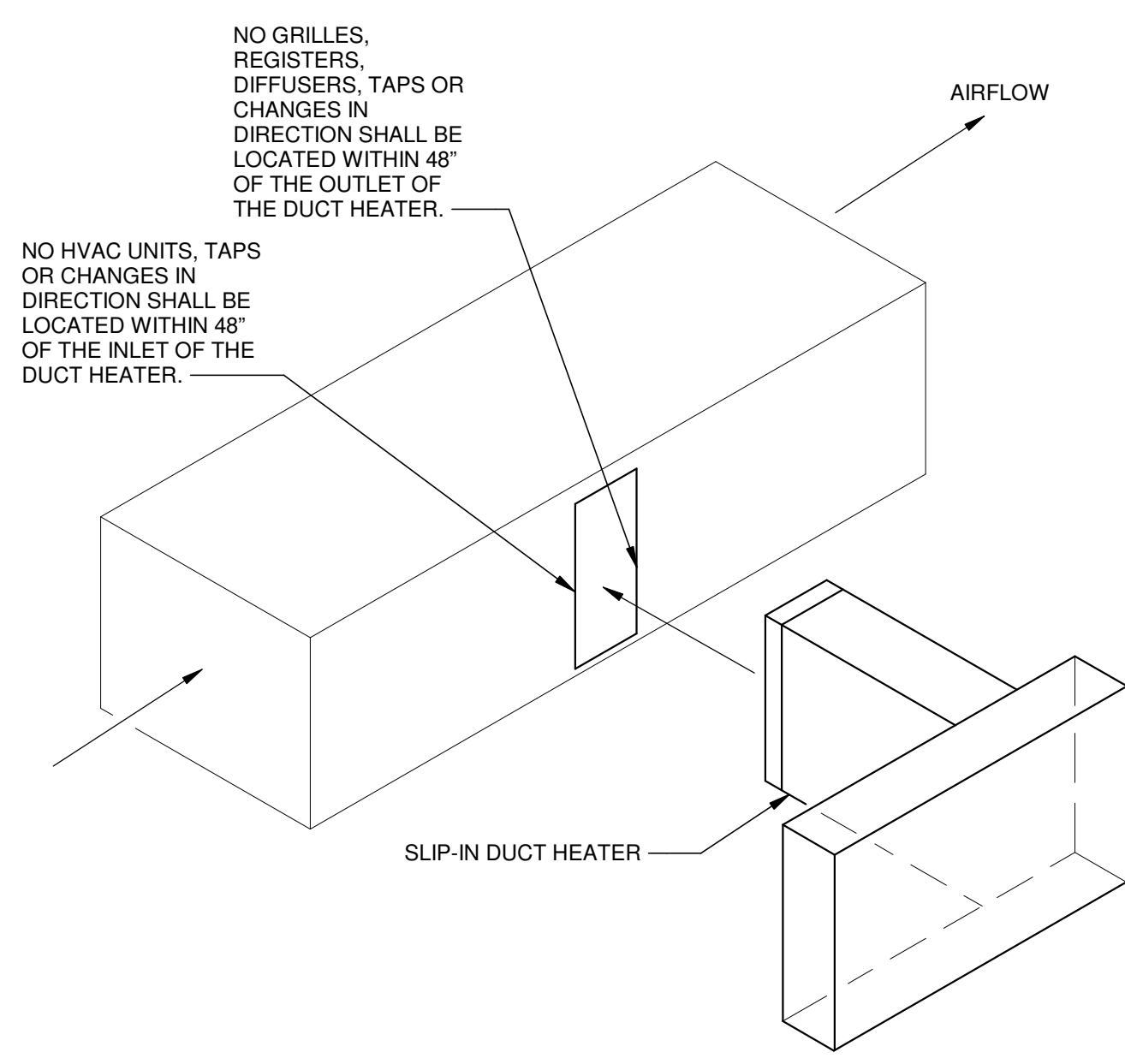
SEQUENCE OF OPERATIONS DH-1

THE DUCT HEATER SHALL NOT ENERGIZE UNLESS ALL OF THE FOLLOWING CONDITIONS ARE MET:

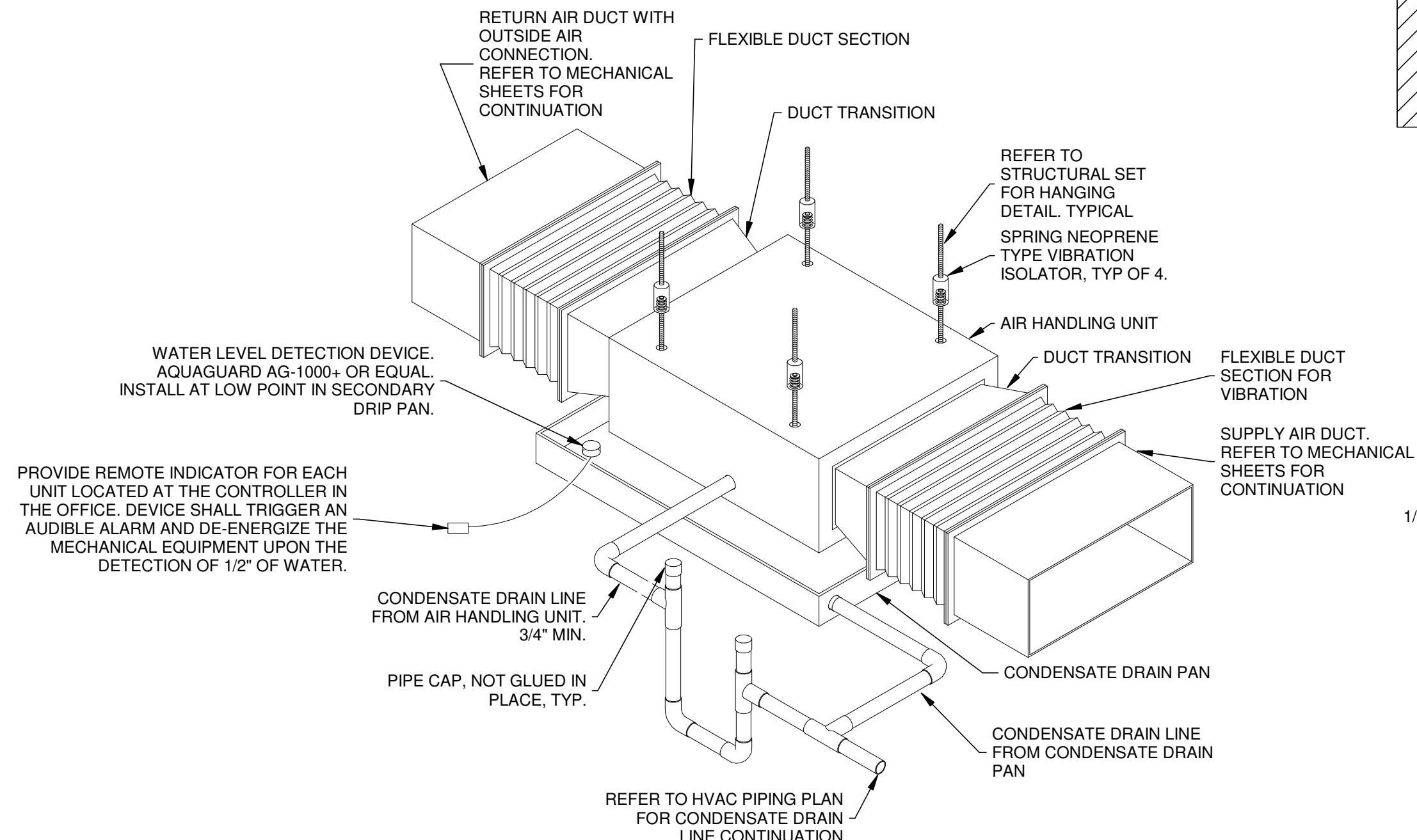
- THE AIRFLOW PROVING SWITCH INDICATES THAT AIRFLOW ACROSS THE DUCT HEATER COIL IS PRESENT.
- AHU-2 IS NOT CALLING FOR COOLING OR OR IN ECONOMIZATION MODE.
- THE OUTSIDE AIR TEMPERATURE IS BELOW 21°F

IF ALL OF THE ABOVE CONDITIONS ARE MET, THE DUCT HEATER SHALL ENERGIZE.

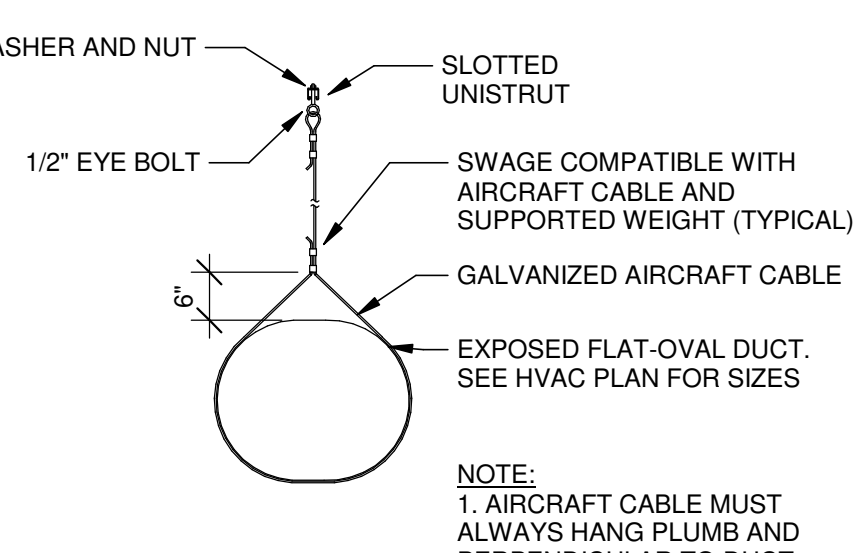
6 SEQUENCE OF OPERATIONS
N.T.S.



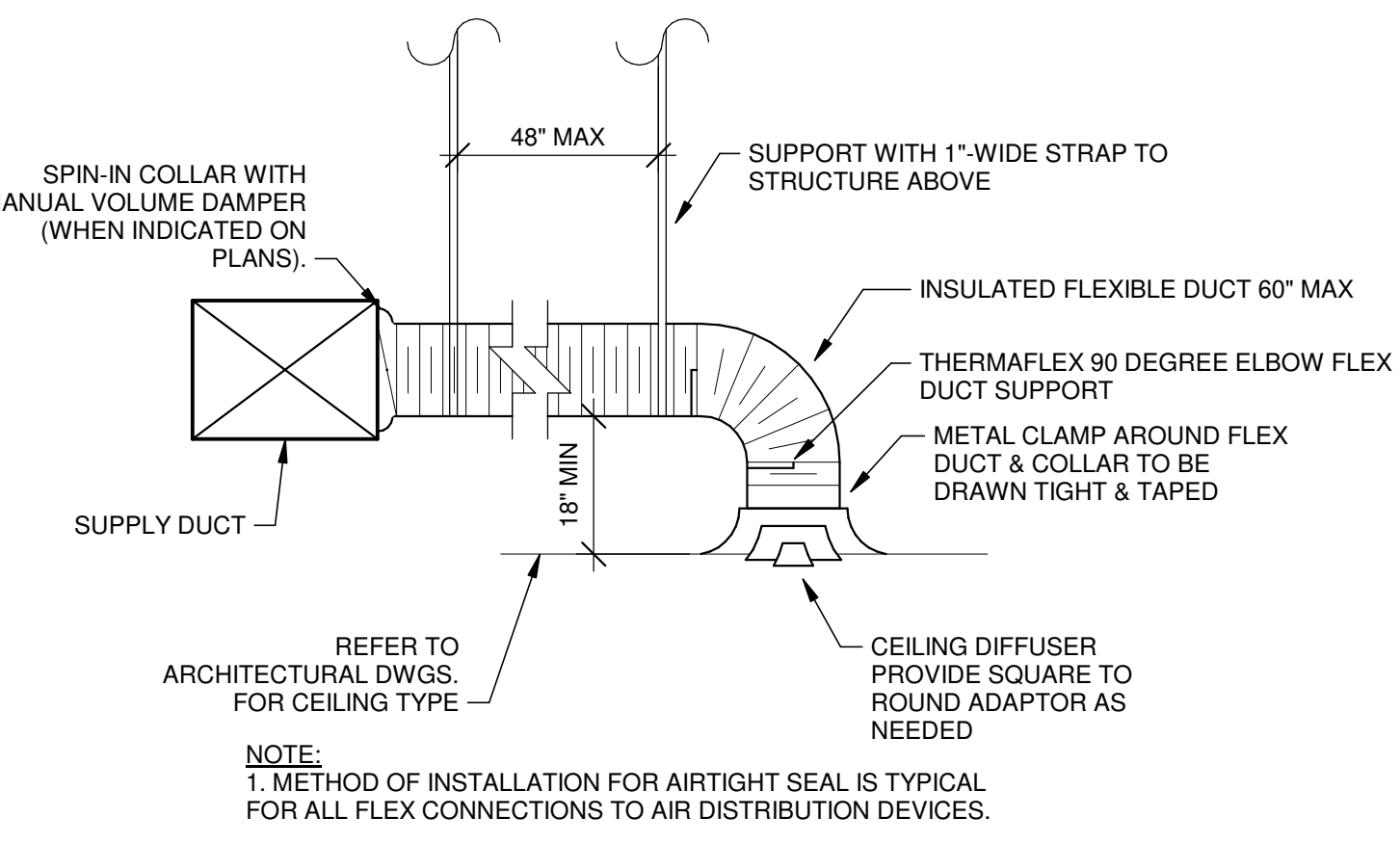
4 DUCT HEATER INSTALLATION DETAIL
N.T.S.



3 AIR HANDLING UNIT INSTALLATION DETAIL
N.T.S.



2 EXPOSED DUCTWORK SUPPORT
N.T.S.



1 DIFFUSER CONNECTION
N.T.S.

10/13/2022 8:56:03 AM