CITY OF DALLAS

CORGAN

CORGAN
401 N. Houston St
Dallas, TX 75202
T: 214-748-2000

ISSUES		
1	05/31/2024	ISSUE FOR PERMIT
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REVISIONS

GENERAL NOTES:

REFERENCE IM02-17A AND IM02-17B FOR RETURN AIR BOOT SIZES AND RETURN AIR SIDEWALL GRILLE SIZES

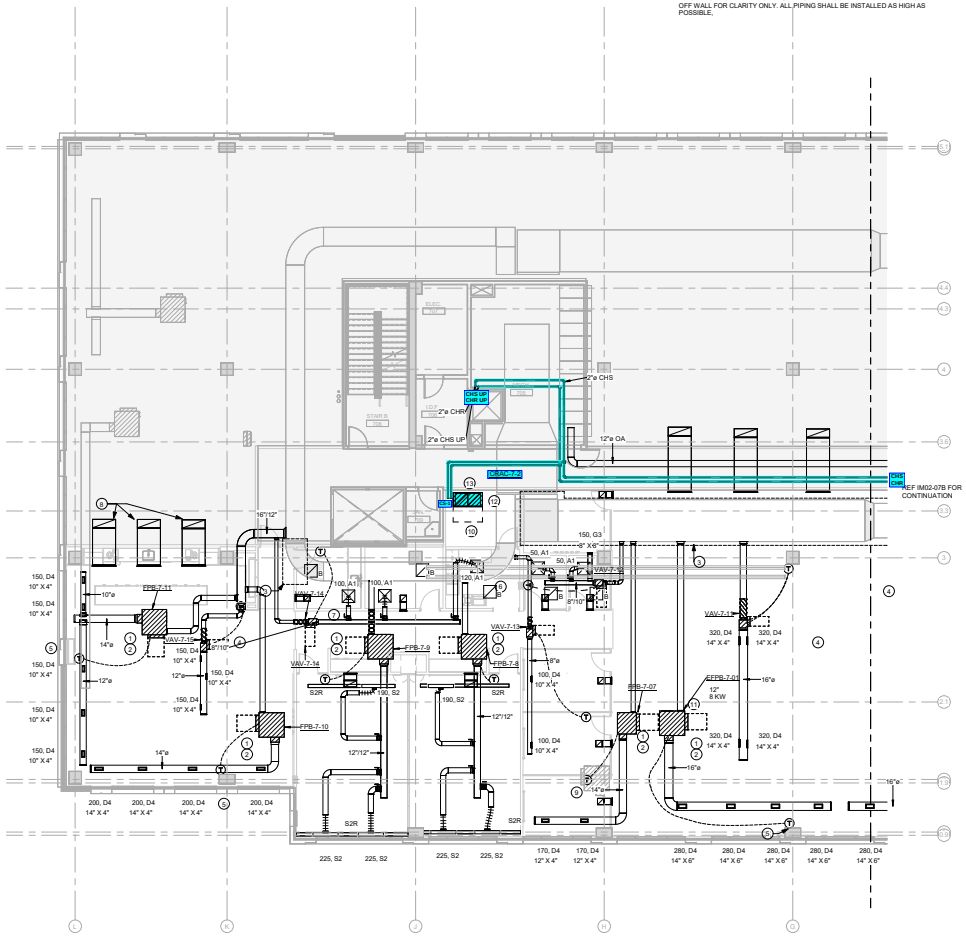
ALL THERMOSTATS TO 5 DEGREE DEAD BAND.

DUCTWORK TAGGED XX"/ XX" Ø EQUATES TO PAINT GRADE SPIRAL FLAT OVAL DUCT.

CONTRACTOR TO COORDINATE WITH EXISTING BUILDING STOCK OF TERMINAL UNITS FOR PURCHASE PRIOR TO PURCHASE OF NEW UNITS.

KEYED NOTES - SHEET iM02-07A

1. PROVIDE ALTERNATE PRICE TO PROVIDE SOUND INSULATION BLANKET SYSTEM EQUAL TO BRD HUSHCORE FOR FAN POWERED BOX. IF SELECTED, COORDINATE FABRIC COLOR WITH ARCHITECT.
2. PROVIDE FULL SIZE INLET FAN SOUND ATTENUATOR FOR FAN POWERED BOX
3. PROVIDE PAINT GRADE SHEET METAL COVER FOR EXISTING DUCTWORK.. REF IM05-01 FOR DETAIL.
4. ALL CONTROL WIRING MUST BE IN CONDUIT
5. PROVIDE INSULATION PAD TO BE INSTALLED BETWEEN THERMOSTAT AND PERIMETER WALL FOR THERMOSTATS MOUNTED ON EXTERIOR COLUMNWALLS.
6. ROOM ONLY CONTAINS 1 COPIER
7. ACCESS ON BOTTOM
8. PROVIDE EQUAL SPACING ON ALL SIDEWALL GRILLES.
9. EXISTING LOCATION OF TERMINAL BOX TO BE RELOCATED/REMOVED. REMOVE EXISTING MEDIUM AND LOW PRESSURE DUCTWORK AS INDICATED ON DRAWINGS.
10. PROVIDE SYSTEM TO NOTIFY BUILDING AUTOMATION SYSTEM AND TO DIAL MN8
11. NEW LOCATION OF TERMINAL BOX. MOUNT BOX FROM STRUCTURE ABOVE. ENSURE BOX CLEARANCES ARE MAINTAINED AT NEW LOCATION. EXTEND NEW MEDIUM AND LOW PRESSURE DUCT AS INDICATED ON DRAWINGS. COORDINATE RELOCATION WITH OTHER TRADES INVOLVED.
12. PROVIDE UNIT WITH INTEGRATED SUPPLY AND RETURN GRILLE.
13. INSULATED CONDENSATE DRAIN PIPING ABOVE CEILING. EXTEND AND DISCHARGE TO NEAREST JANITORS MOP SINK. CONDENSATE PIPING SHOWN OFF WALL FOR CLARITY ONLY. ALL PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE,

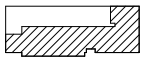


1 LEVEL 7 MECHANICAL PLAN - SEGMENT A
1/8" = 1'-0"

MN8 Energy

2999 Olympus Boulevard, Suite 700, Coppell TX 75019

KEYPLAN



LEVEL 7 MECHANICAL PLAN - SEGMENT A

JOB 23422.0000
DATE 05.31.2024
SHEET
iM02-07A

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Mechanical - Electrical Engineers
17365 North Dallas Parkway
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PLAN N

PM JOB NO. 23110.001
PROJECT MGR. C.BARTON, B.JARRETT
MECHANICAL J.GUERRA, C. BURGESS
PLUMBING C.KAMUS
ELECTRICAL C.ZAMULINSKI

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5/31/2024 9:55:17 AM iM02-07ALEVEL 7 MECHANICAL PLAN - SEGMENT A

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AND RETURN AIR SIDEWALL GRILLE SIZES

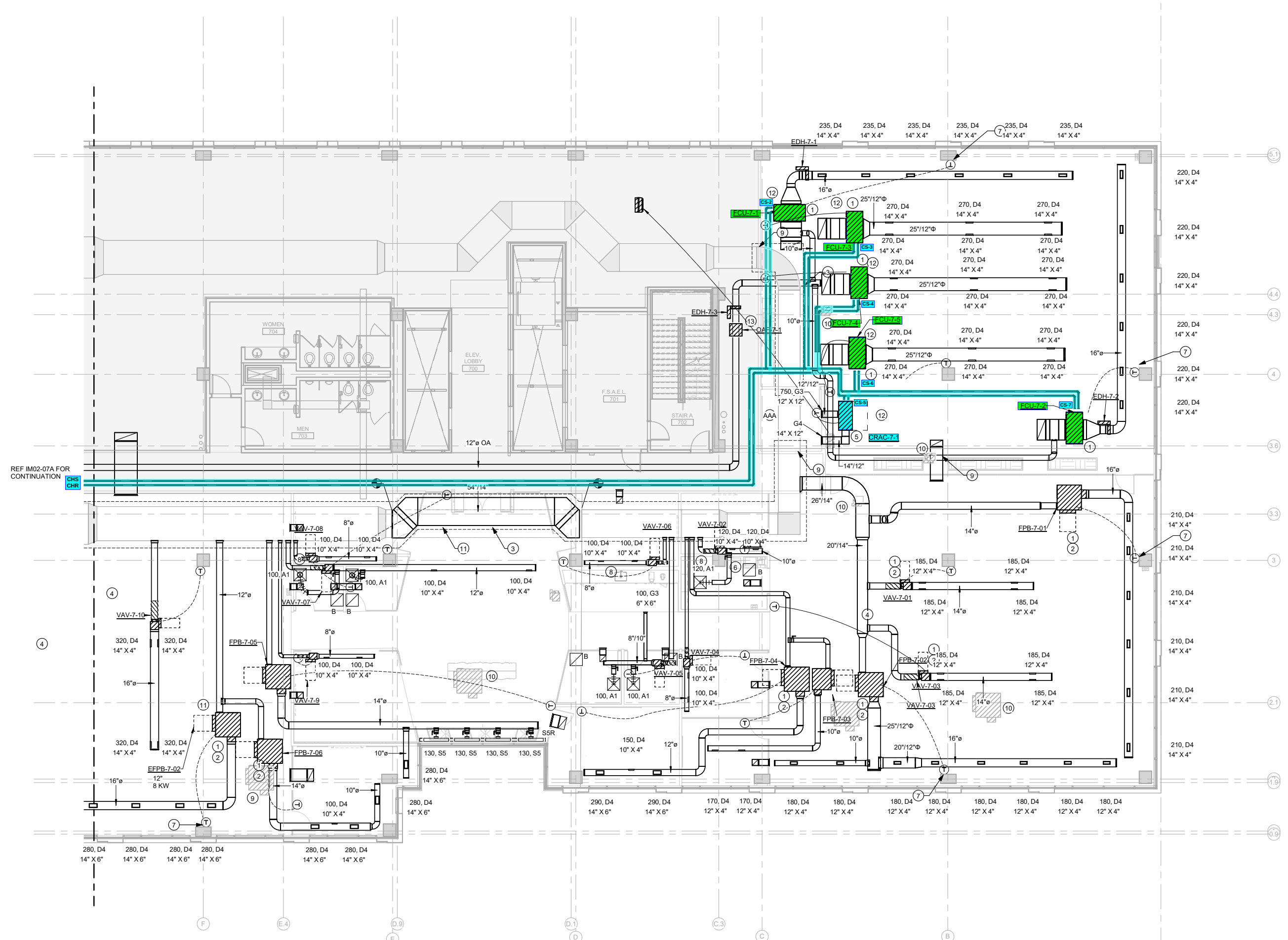
ALL THERMOSTATS TO 5 DEGREE DEAD BAND.

DUCTWORK TAGGED XX"/ XX" Ø EQUATES TO PAINT GRADE SPIRAL FLAT OVAL DUCT

CONTRACTOR TO COORDINATE WITH EXISTING BUILDING STOCK OF TERMINAL UNITS FOR PURCHASE PRIOR TO PURCHASE OF NEW UNITS.

KEYED NOTES - SHEET iM02-07B

1 PROVIDE ALTERNATE PRICE TO PROVIDE SOUND INSULATION BLANKET SYSTEM EQUAL TO BRD HUSHCORE FOR FAN POWERED BOX. IF SELECTED, COORDINATE FABRIC COLOR WITH ARCHITECT.
2 PROVIDE FULL SIZE INLET FAN SOUND ATTENUATOR FOR FAN POWERED BOX
3 PROVIDE PAINT GRADE SHEET METAL COVER FOR EXISTING DUCTWORK.. REF iM05-01 FOR DETAIL.
4 ALL CONTROL WIRING MUST BE IN CONDUIT
5 RELOCATE EXISTING UNIT HEATER
6 ROOM ONLY CONTAINS 1 COPIER
7 PROVIDE INSULATION PAD TO BE INSTALLED BETWEEN THERMOSTAT AND PERIMETER WALL FOR THERMOSTATS MOUNTED ON EXTERIOR COLUMN/WALLS.
8 ACCESS ON BOTTOM
9 PROVIDE NERC COMPLIANT SECURITY MESH FOR DUCTWORK CROSSING INTO THE COMMAND CENTER.
10 EXISTING LOCATION OF TERMINAL BOX TO BE RELOCATED/REMOVED. REMOVE EXISTING MEDIUM AND LOW PRESSURE DUCTWORK AS INDICATED ON DRAWINGS.
11 OFSET DUCT TO AVOID CEILING
12 INSULATED CONDENSATE DRAIN PIPING ABOVE CEILING. EXTEND AND DISCHARGE TO NEAREST JANITORS MOP SINK. CONDENSATE PIPING SHOWN OFF WALL FOR CLARITY ONLY. ALL PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE,
13 INTEGRATE OPERATION OF OAF 7-1 AND EDH 7-3 WITH FCU 7-1 AND FCU 7-2 OPERATION.



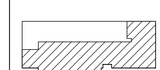
1 LEVEL 7 MECHANICAL PLAN - SEGMENT B
1/8" = 1'-0"

STATE OF TEXAS
TODD M. JOHNSON
86955
LICENSED
PROFESSIONAL ENGINEER
5/31/24

MN8 Energy

2999 Olympus Boulevard, Suite 700, Coppell TX 75019

KEYPLAN



PLAN N

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PMI JOB NO.	23115.001
PROJECT MGR.	C.BARTON, B.JARRETT
MECHANICAL	J.GUERRA, C. BURGESS
PLUMBING	C.KABUS
ELECTRICAL	C.ZAMULINSKI

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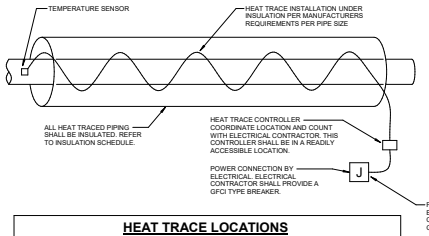
LEVEL 7 MECHANICAL PLAN - SEGMENT B

JOB 23422.0000
DATE 05.31.2024
SHEET
iM02-07B



HEAT TRACE LOCATIONS

SYSTEMS	APPLICATIONS
CHILLED/HEATING WATER	APPLY HEAT TRACING TO ALL HYDRONIC CHILLED AND/OR HEATING PIPING IN UNCONDITIONED SPACES OR WHERE EXPOSED TO EXTERIOR CONDITIONS.

HEAT TRACE NOTES:

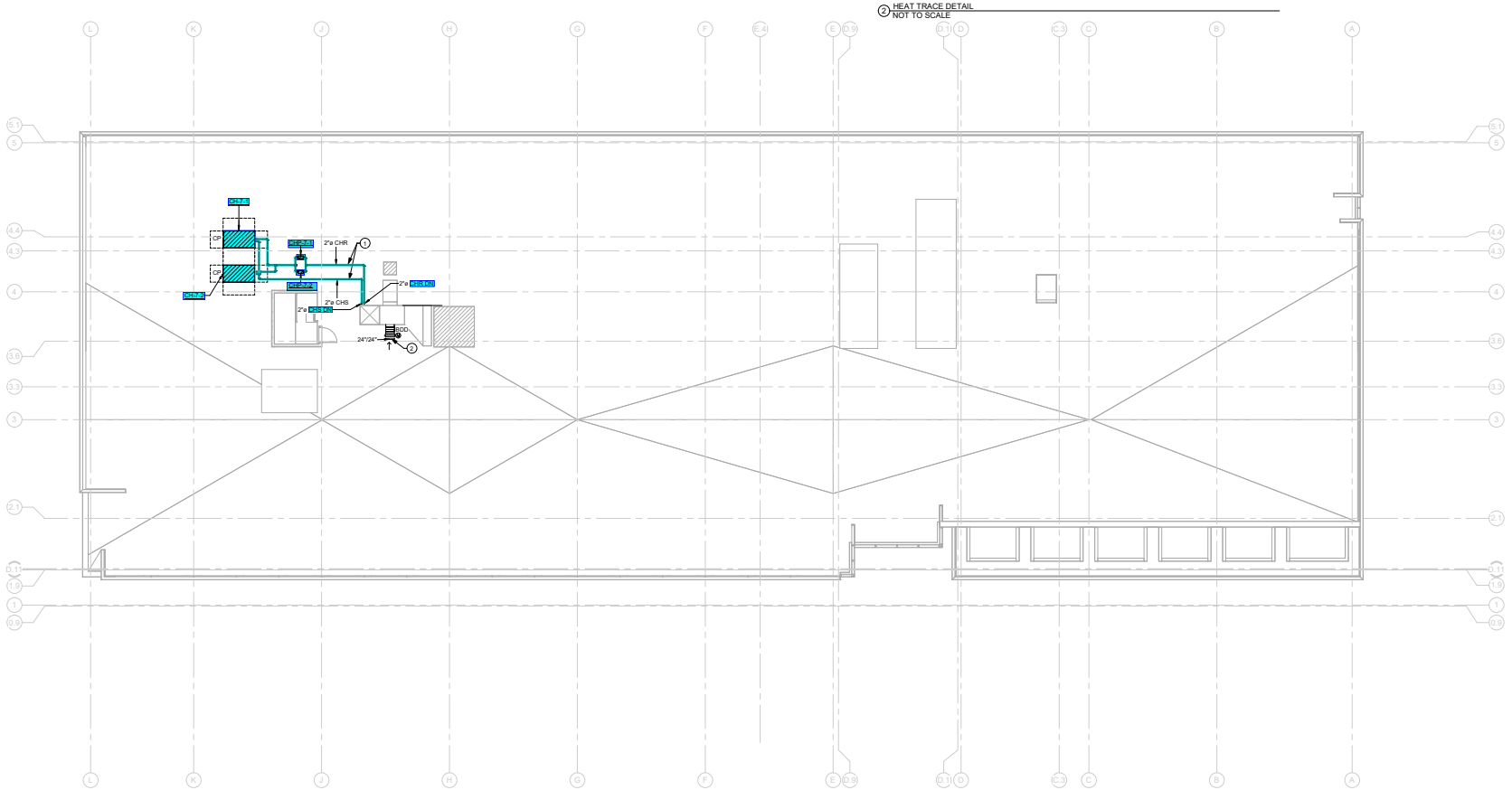
A. THE ARRANGEMENT SHOWN IN THIS DETAIL IS SCHEMATIC ONLY. FOLLOW THE SPECIFIC HEAT TRACE MANUFACTURER INSTRUCTIONS FOR HEAT TRACE PRODUCT TYPE AND INSTALLATION ON PIPE, FITTINGS, VALVES, AND ACCESSORIES. REFER TO INSULATION SCHEDULE.
B. PROVIDE ADHESIVE WARNING LABELS PURCHASED FROM HEAT TRACE MANUFACTURER SPACED AT 10' ON CENTER MAXIMUM ON ALL INSULATION OVER HEAT TRACING CABLE INDICATING THAT THE PIPE IS HEAT TRACED.
C. TEMPERATURE SENSING WIRES SHALL BE INSTALLED 90 DEGREES FROM THE NEAREST HEAT TRACE LINE ALONG PIPE.
D. COORDINATE HEAT TRACE WATTAGE, CIRCUITS, AND CONTROLLER LOCATION WITH ELECTRICAL CONTRACTOR.
E. ALL HEAT TRACED PIPING SHALL BE INSULATED. REFER TO INSULATION SCHEDULE
F. SUBJECT TO COMPLIANCE WITH ALL REQUIREMENTS LISTED IN THIS DETAIL AND THE SPECIFICATIONS, ACCEPTABLE MANUFACTURERS INCLUDE THE FOLLOWING:
   a. BASIS OF DESIGN:
      • RAYCHEM NVENT; A DIVISION OF TYCO THERMAL CONTROLS
   b. OTHER EQUAL MANUFACTURERS
      • CHROMALOX, INC.; WEGARD INDUSTRIAL DIVISION; EMERSON ELECTRIC COMPANY. EASY HEAT INC

② HEAT TRACE DETAIL
NOT TO SCALE

KEYED NOTES - SHEET iM02-21

1 HEAT TRACE: PROVIDE 277V HEAT TRACING AND INSULATION ON ALL NEW MECHANICAL HYRDONIC PIPING ON ROOF. ACTUAL INSTALLED LENGTH TO BE CONFIRMED BY CONTRACTOR. COORDINATE EXACT CIRCUITS AND LOAD WITH ELECTRICAL CONTRACTOR. RE: DETAIL THIS SHEET FOR MORE INFORMATION.

2 PROVIDE LOW LEAKAGE MOTOIZED DAMPER, BUGSCREEN, HOOD, BACKDRAFT DAMPER AND DUCTWORK TO OPEN WHEN OAHU 11-1 IS NOT OPERATING.



① ROOF LEVEL MECHANICAL PLAN
3/32" = 1'-0"

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5/31/24

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KEYPLAN

ROOF LEVEL MECHANICAL PLAN

JOB 23422.0000
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SHEET iM02-21

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PM/ JOB NO. 23115.001
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PLAN N

5/31/2024 9:55:33 AM iM02-21 ROOF LEVEL MECHANICAL PLAN