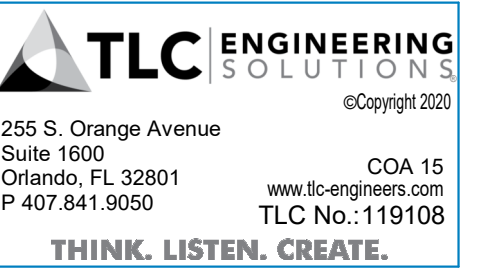




GREATER ORLANDO AVIATION AUTHORITY
V01050
 Landside Terminal
 Levels 4 and 5
**HYATT CONTINENTAL
 BALLROOM &
 PRE-FUNCTION RENO**
 ORLANDO INTERNATIONAL AIRPORT



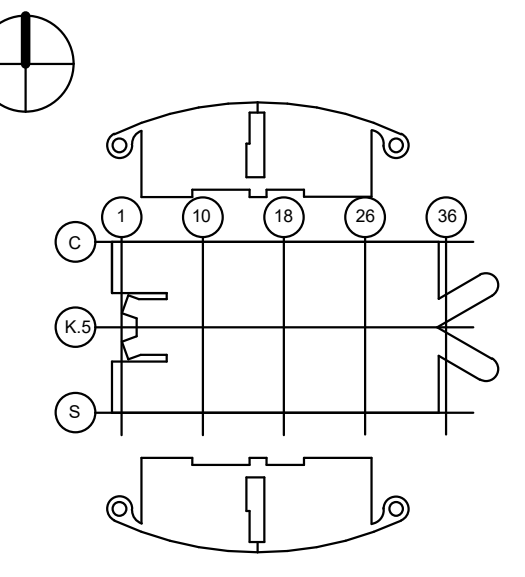
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 FBAlD Lic: AR0014284



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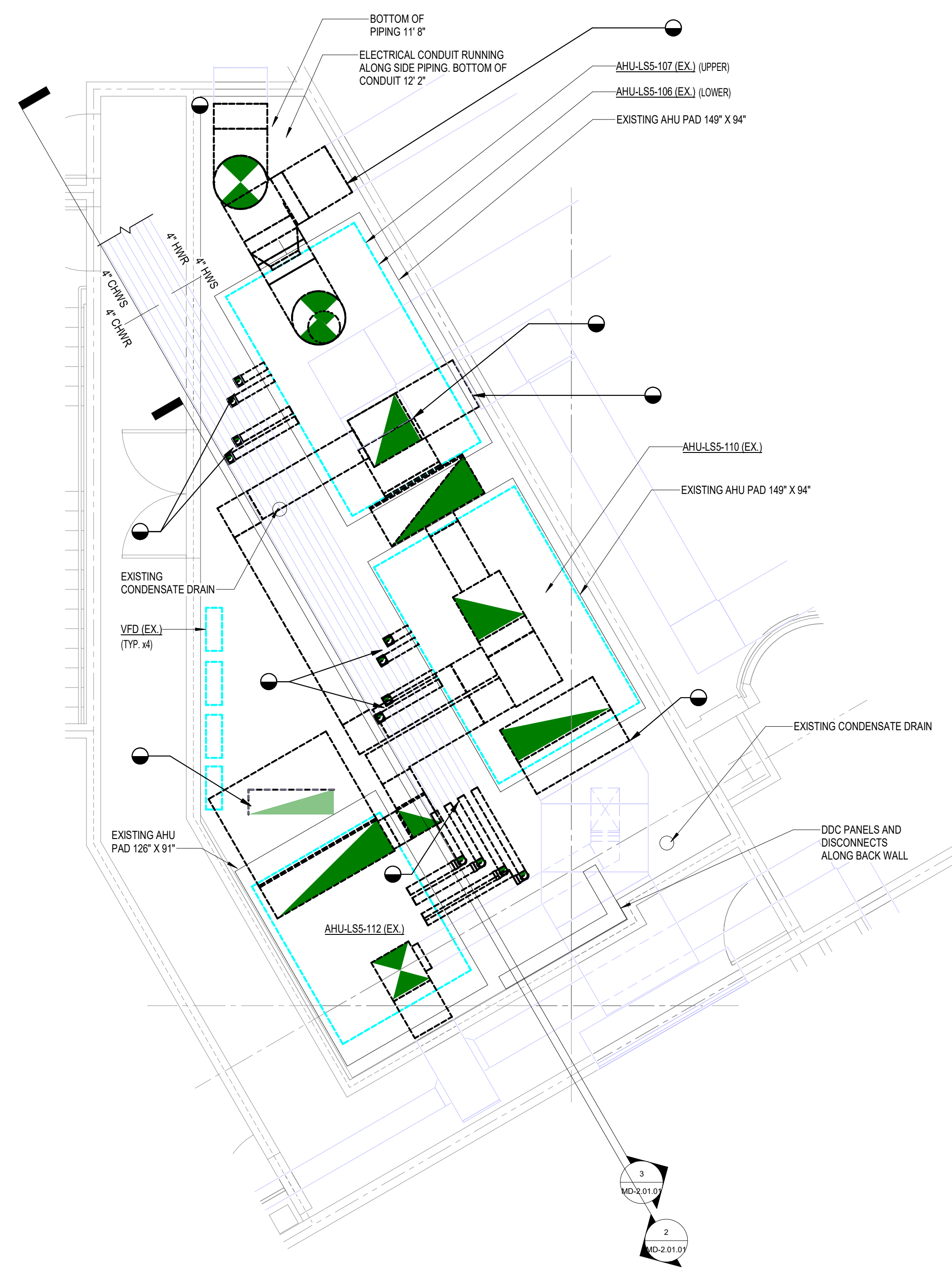
Revisions

No.	Date	Description

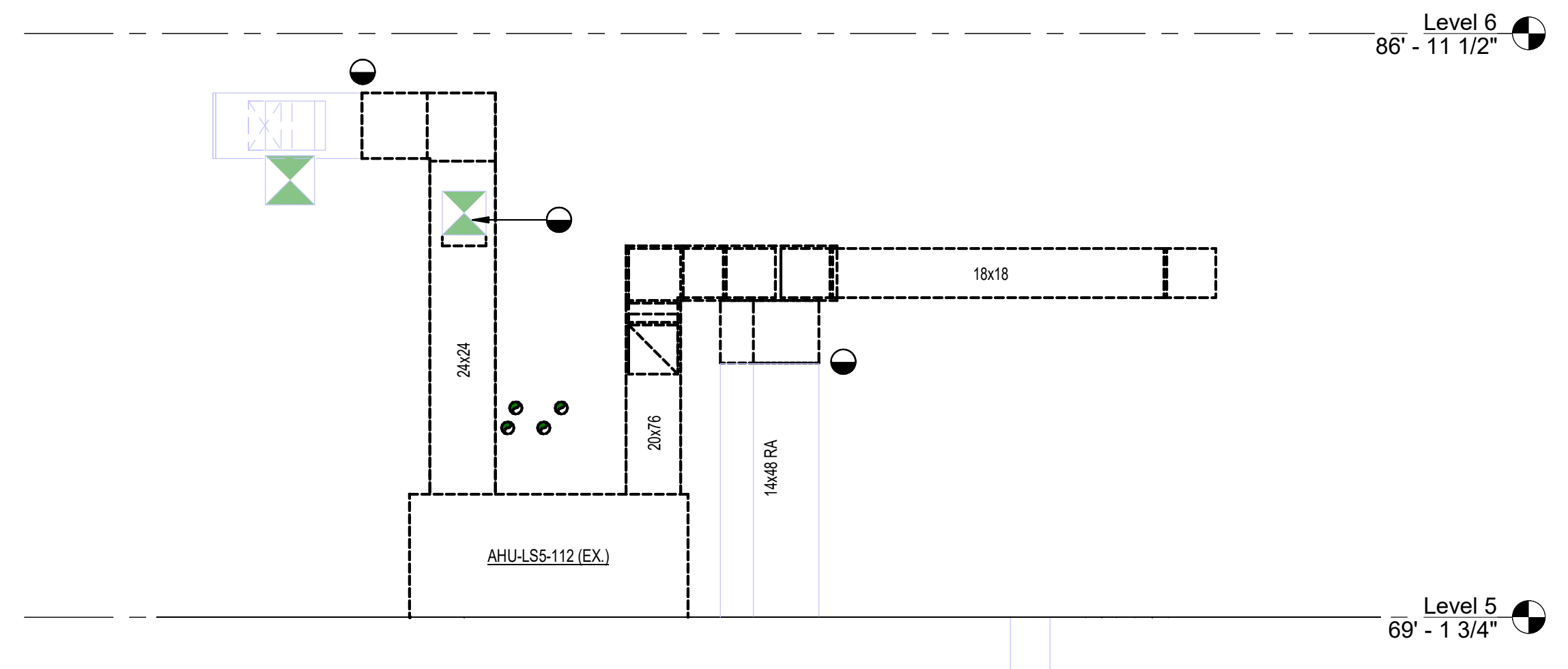


Key Plan
 Project No.: 19013.0001
 Designed By: OD
 Drawn By: AP
 Checked By: OD
 Issue Date: 02/20/2025
 Drawing Scale: 1/4" = 1'-0"
 Drawing Title:
**MECHANICAL
 ENLARGED DEMO
 PLANS - S.W. MECH.
 ROOM - LEVEL 5**

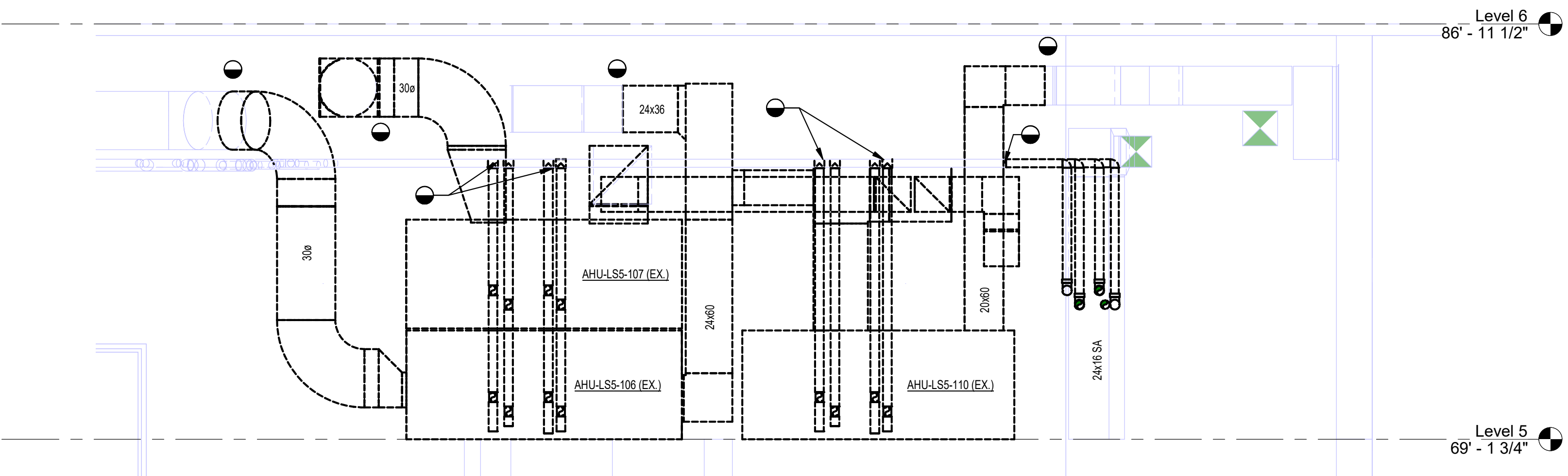
Drawing No.
MD-2.01.01



1 FIFTH LEVEL BALLROOM HVAC DEMO PLAN - AREA D - S.W. MECH. ROOM
 MD-2.01.01 1/4" = 1'-0"

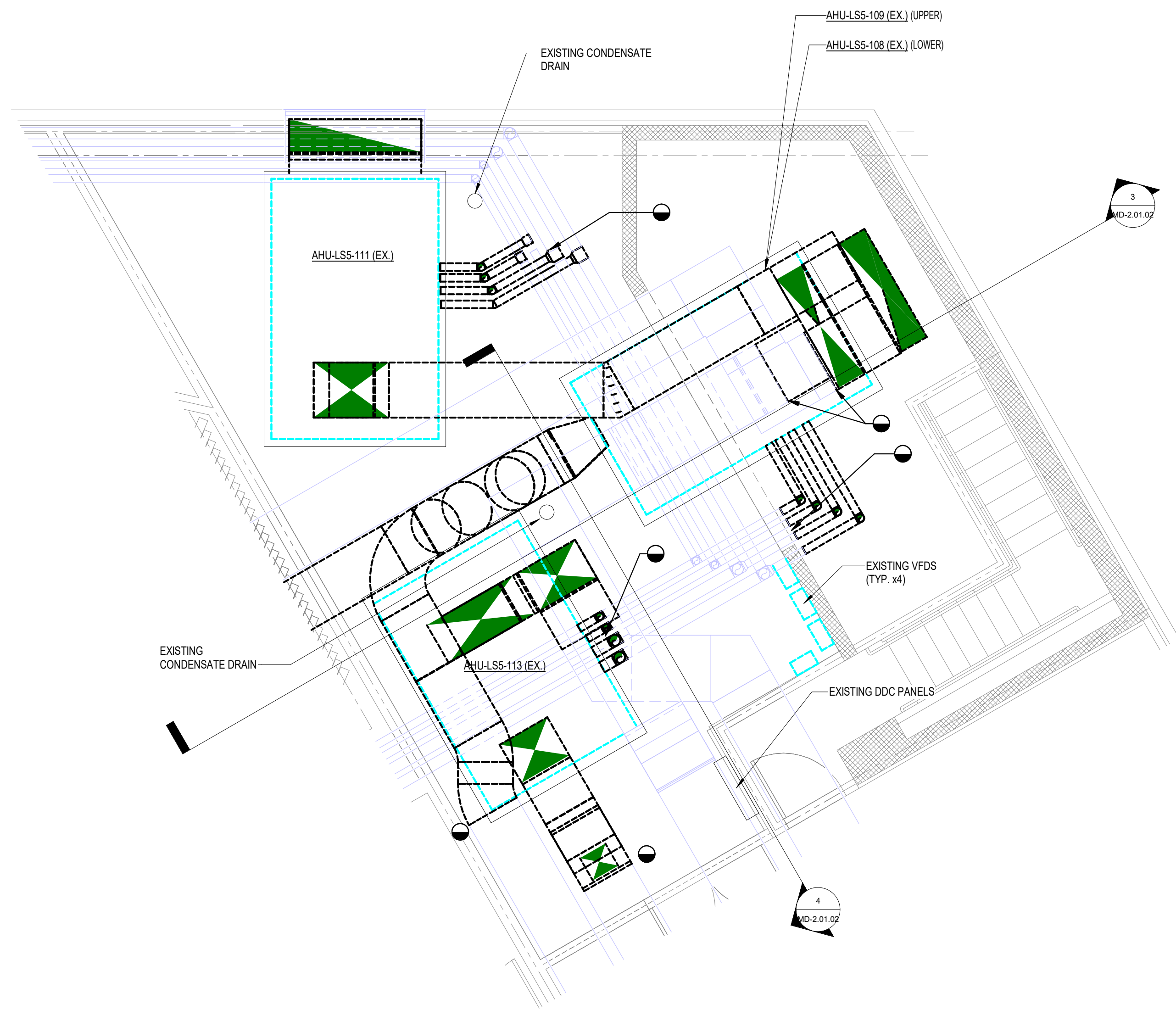


2 AHU-LS-112 DEMO SECTION
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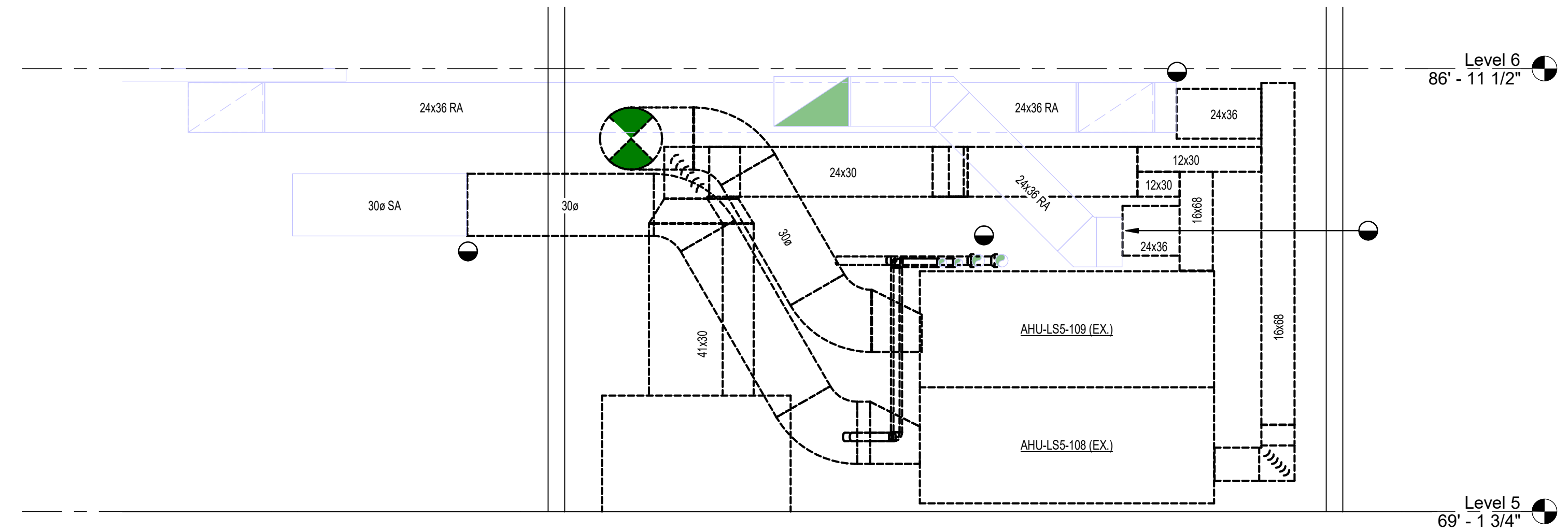


3 AHU-LS-106, 107, & 110 DEMO SECTION
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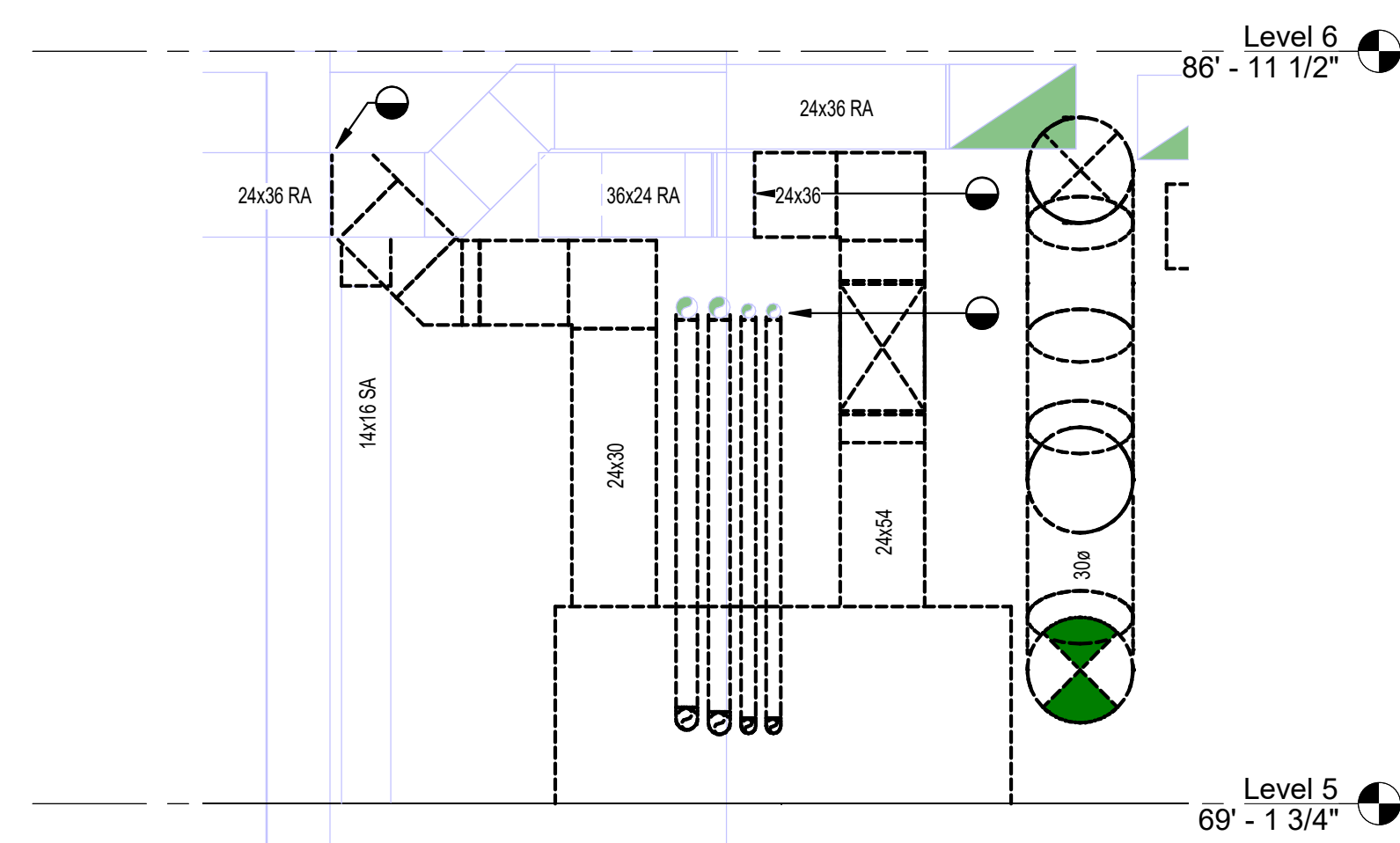
F
E
D
C
B
A



1 FIFTH LEVEL BALLROOM HVAC DEMO PLAN - AREA D - N.E. MECH. ROOM
MD-2.01.02 1/4" = 1'-0"



3 AHU-LS5-108, 109, 111 DEMO SECTION
MD-2.01.02 1/4" = 1'-0"



4 AHU-LS5-113 DEMO SECTION
MD-2.01.02 1/4" = 1'-0"

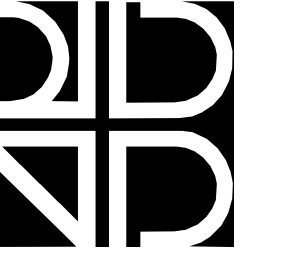


GREATER ORLANDO AVIATION AUTHORITY

V01050
Landside Terminal
Levels 4 and 5

HYATT CONTINENTAL
BALLROOM &
PRE-FUNCTION RENO

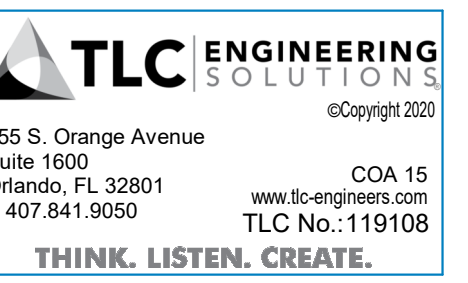
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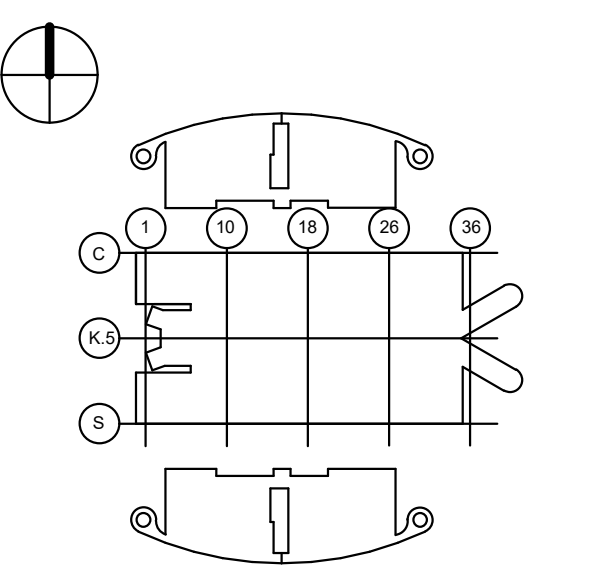


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No.	Date	Description



Key Plan

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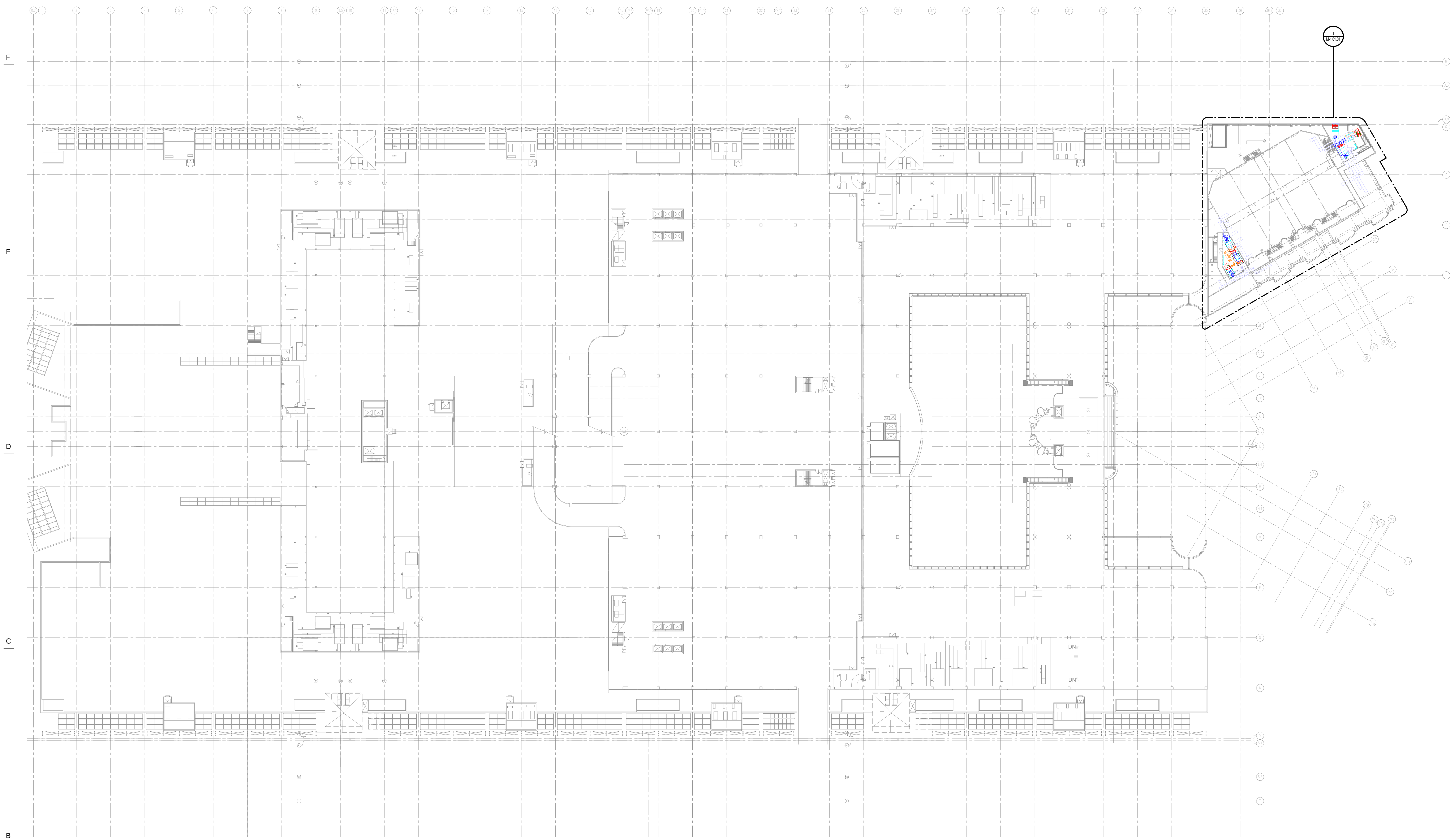
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Drawing Title:

MECHANICAL
ENLARGED DEMO
PLANS - N.E. MECH.
ROOM - LEVEL 5

Drawing No.

MD-2.01.02



1 5TH LEVEL OVERALL MECHANICAL PLAN
 M-1.01.00 1" = 40'-0"

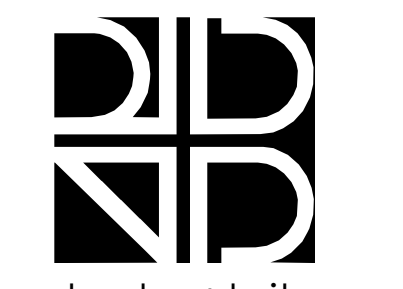


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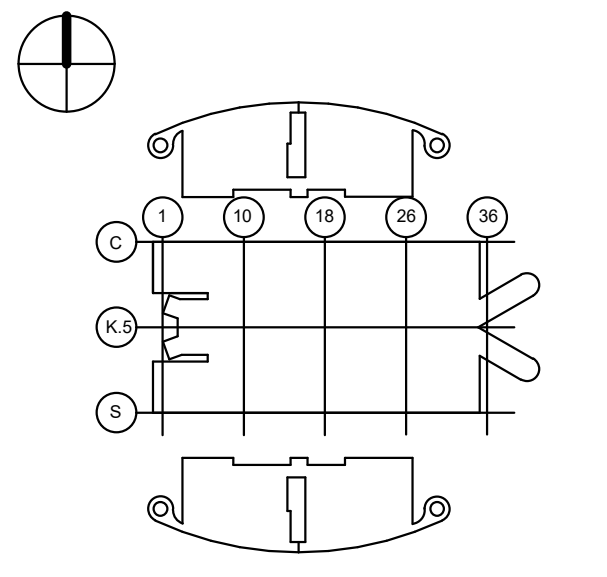


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Project No.:	19013.0001
Designed By:	OD
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Checked By:	OD
Issue Date:	02/20/2025
Drawing Scale:	1" = 40'-0"
Drawing Title:	

**MECHANICAL PLAN -
 OVERALL - LEVEL 5**

Drawing No.

M-1.01.00



1 5TH LEVEL BALLROOM MECHANICAL PLAN
 1/8" = 1'-0"

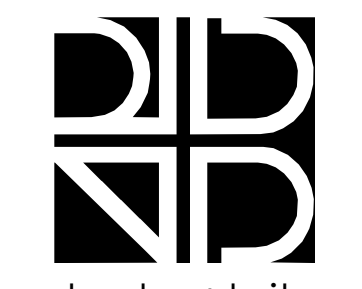


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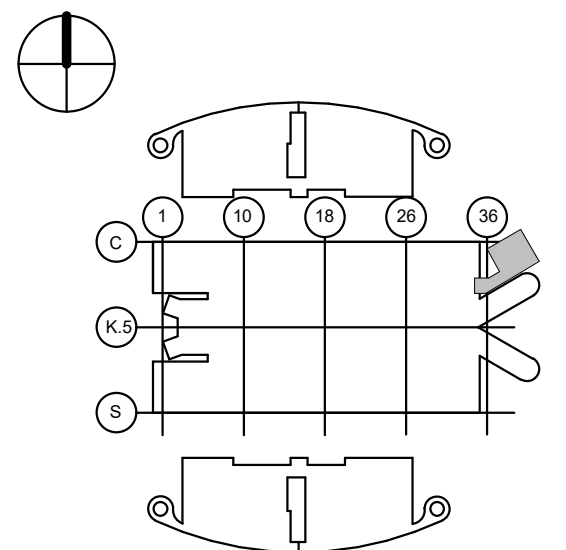


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 Drawing Scale: 1/8" = 1'-0"
 Drawing Title:

MECHANICAL PLAN -
 LEVEL 5

Drawing No.
M-1.01.01

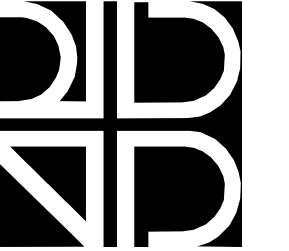


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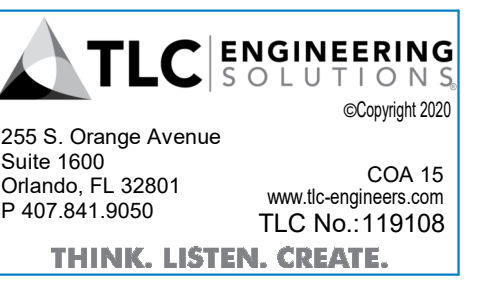
V01050
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Levels 4 and 5

HYATT CONTINENTAL
BALLROOM &
PRE-FUNCTION RENO

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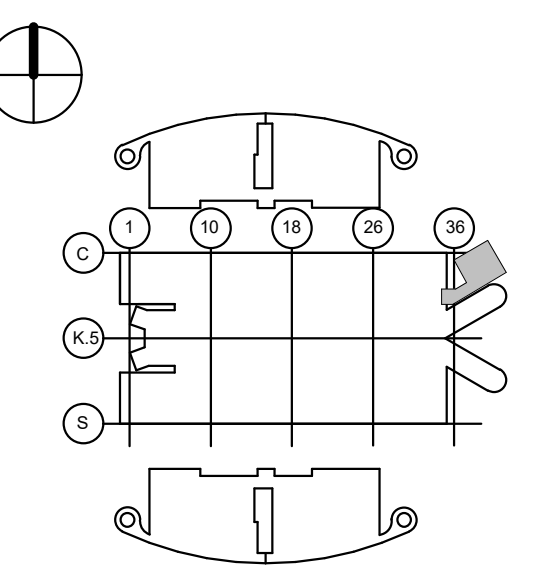
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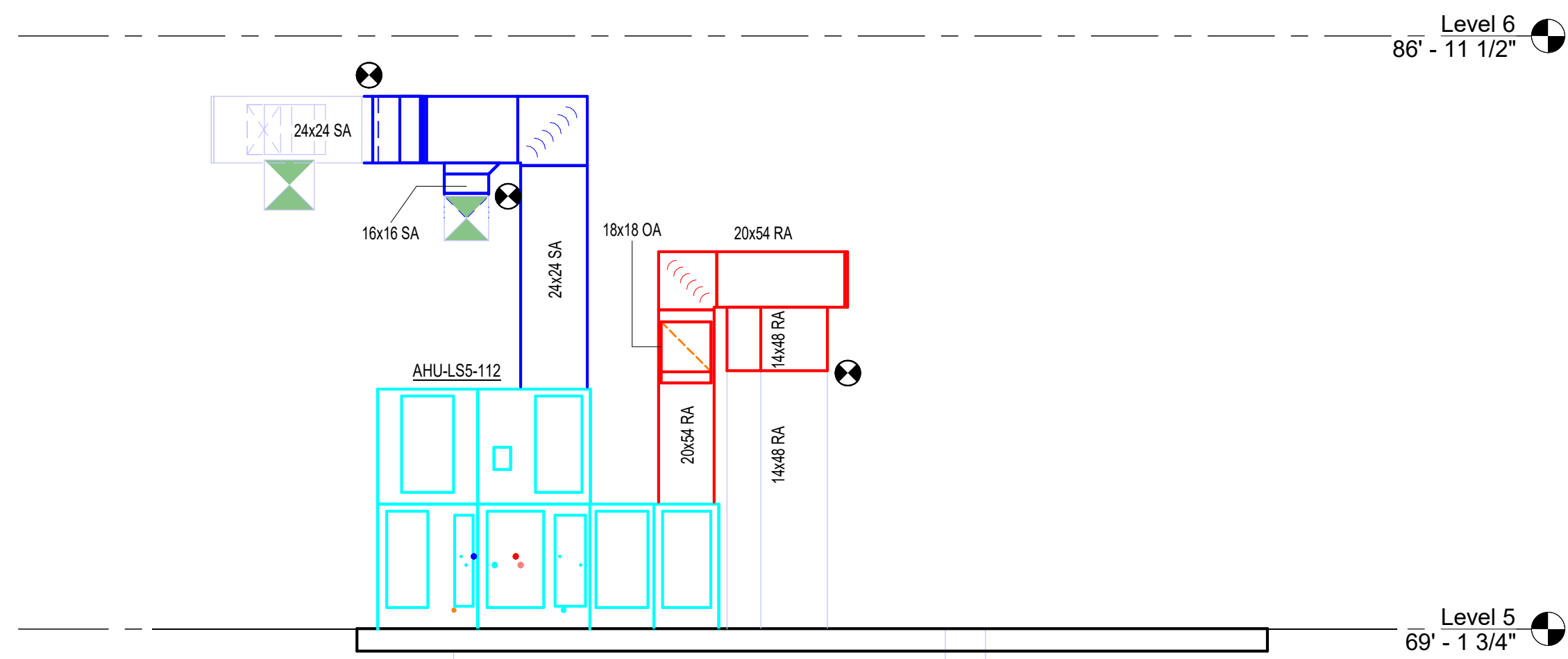
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Drawing Title:

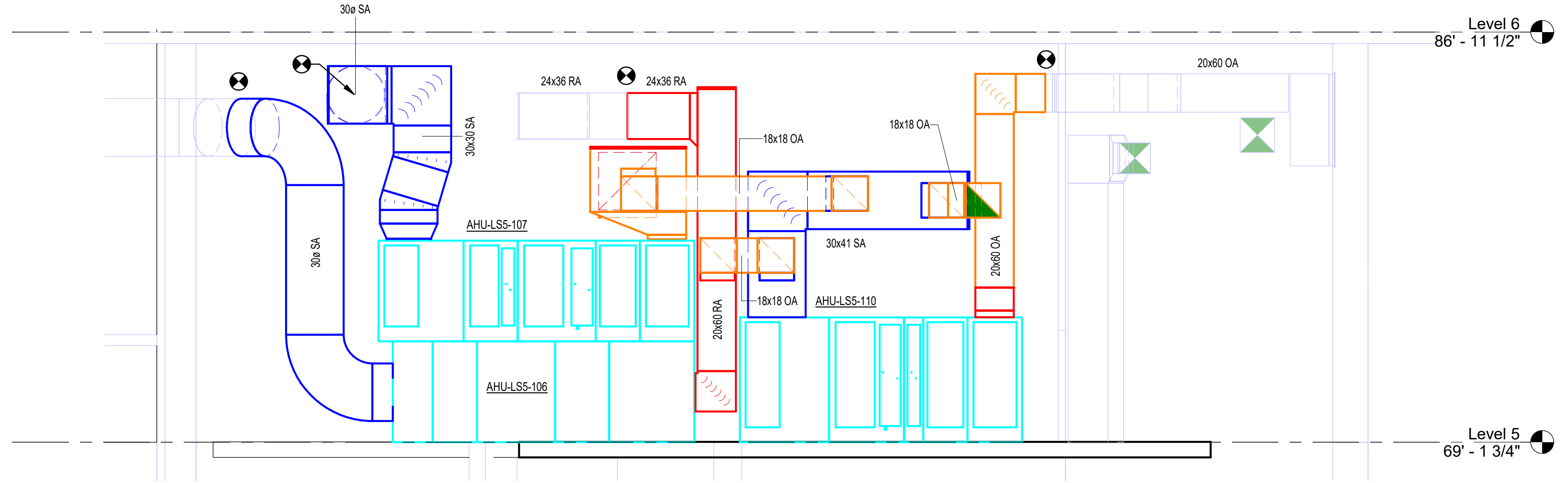
MECHANICAL
ENLARGED PLANS -
S.W. MECH. ROOM -
LEVEL 5

Drawing No.

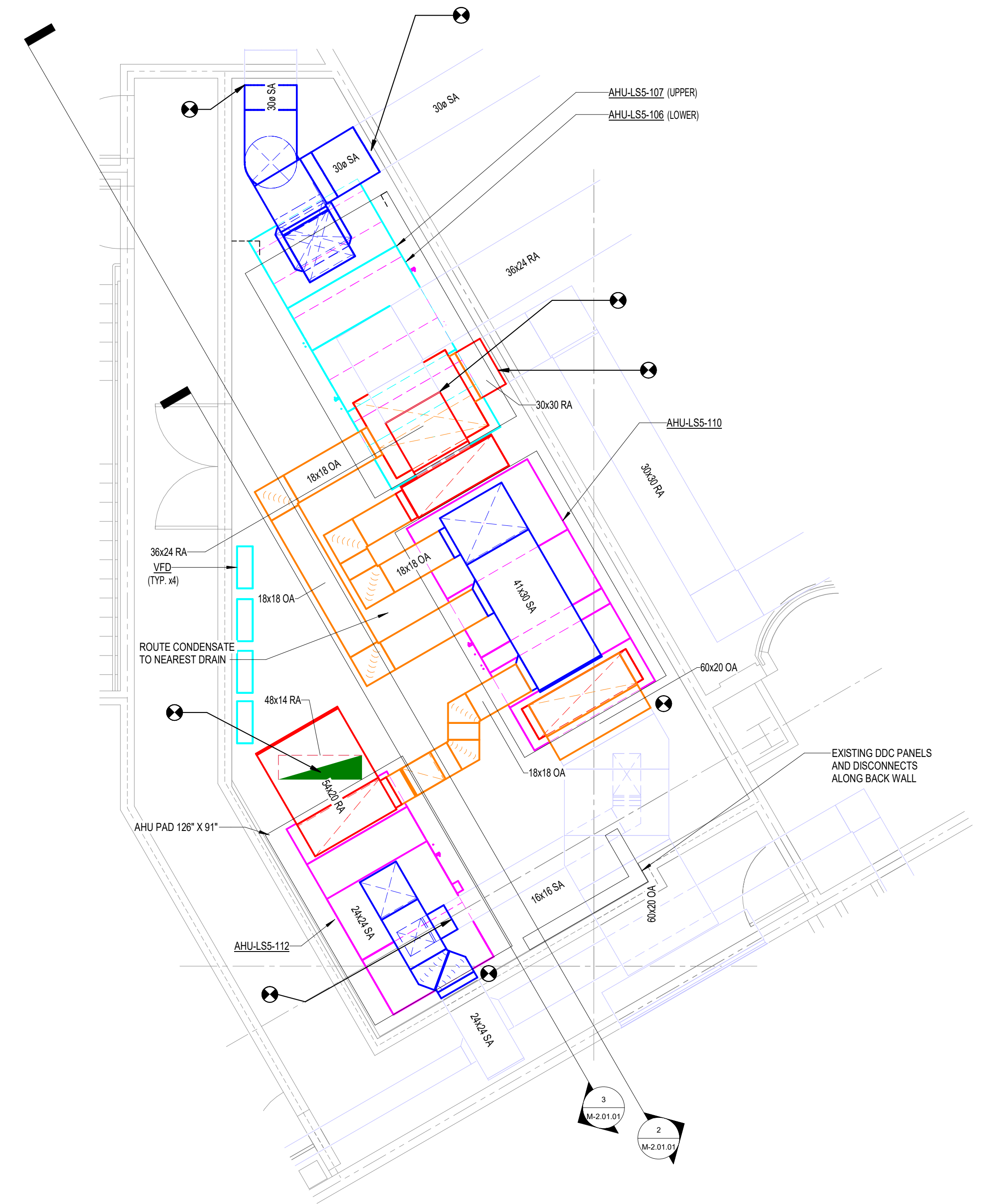
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3 AHU-LS5-112 SECTION
M-2.01.01 1/4" = 1'-0"



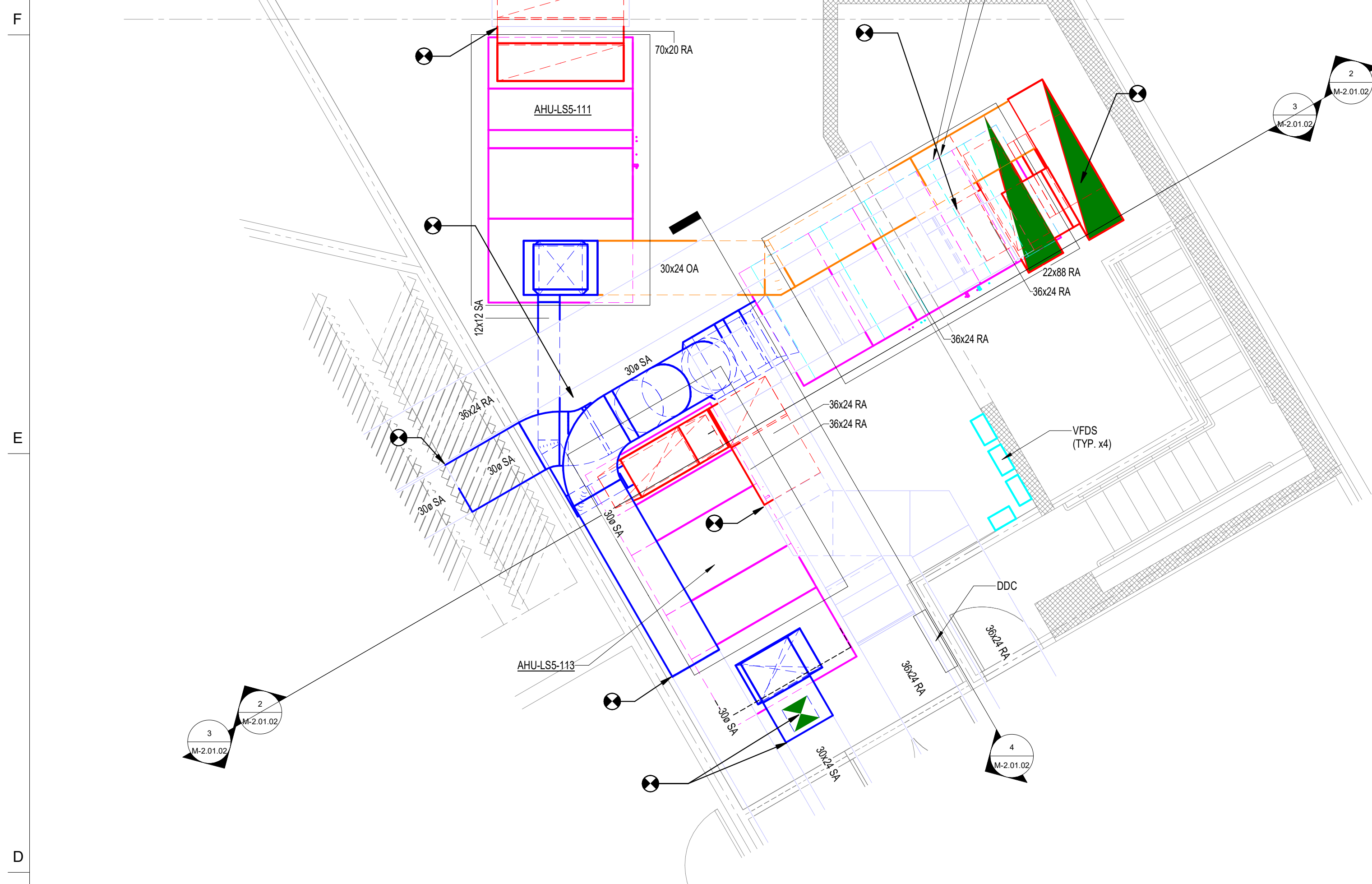
2 AHU-LS5-106, 107, & 110 SECTION
M-2.01.01 1/4" = 1'-0"



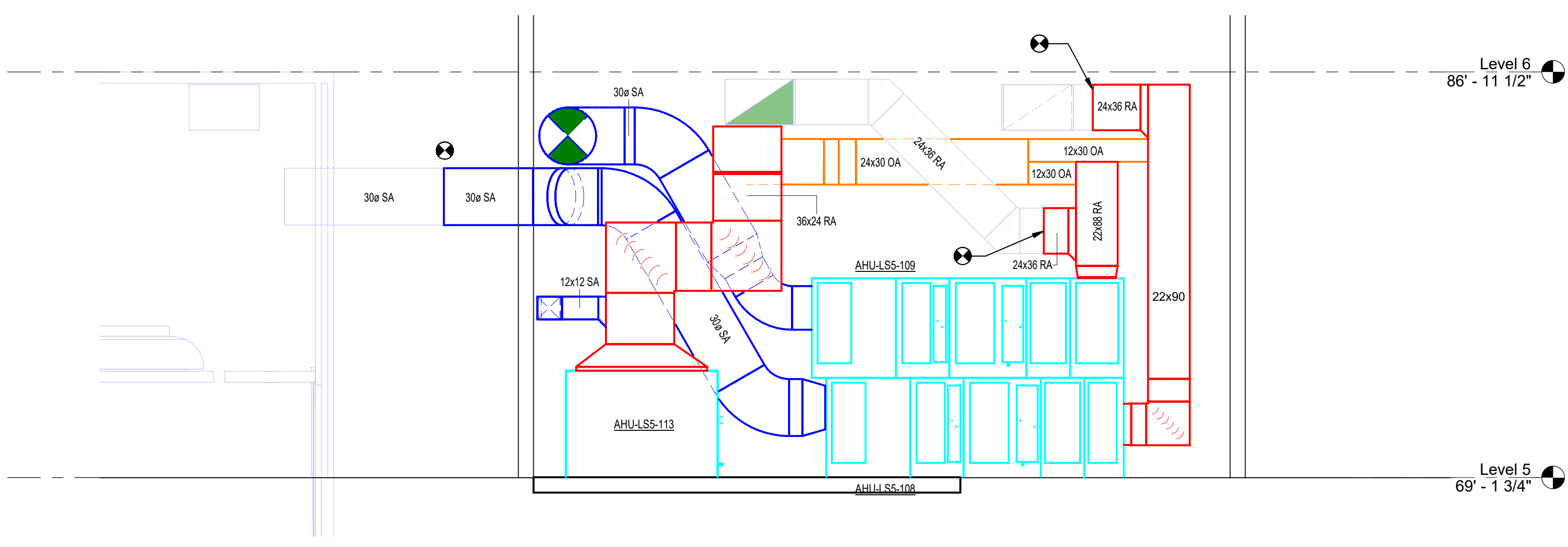
1 FIFTH LEVEL BALLROOM HVAC PLAN - AREA D - S.W. MECH. ROOM
M-2.01.01 1/4" = 1'-0"

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A

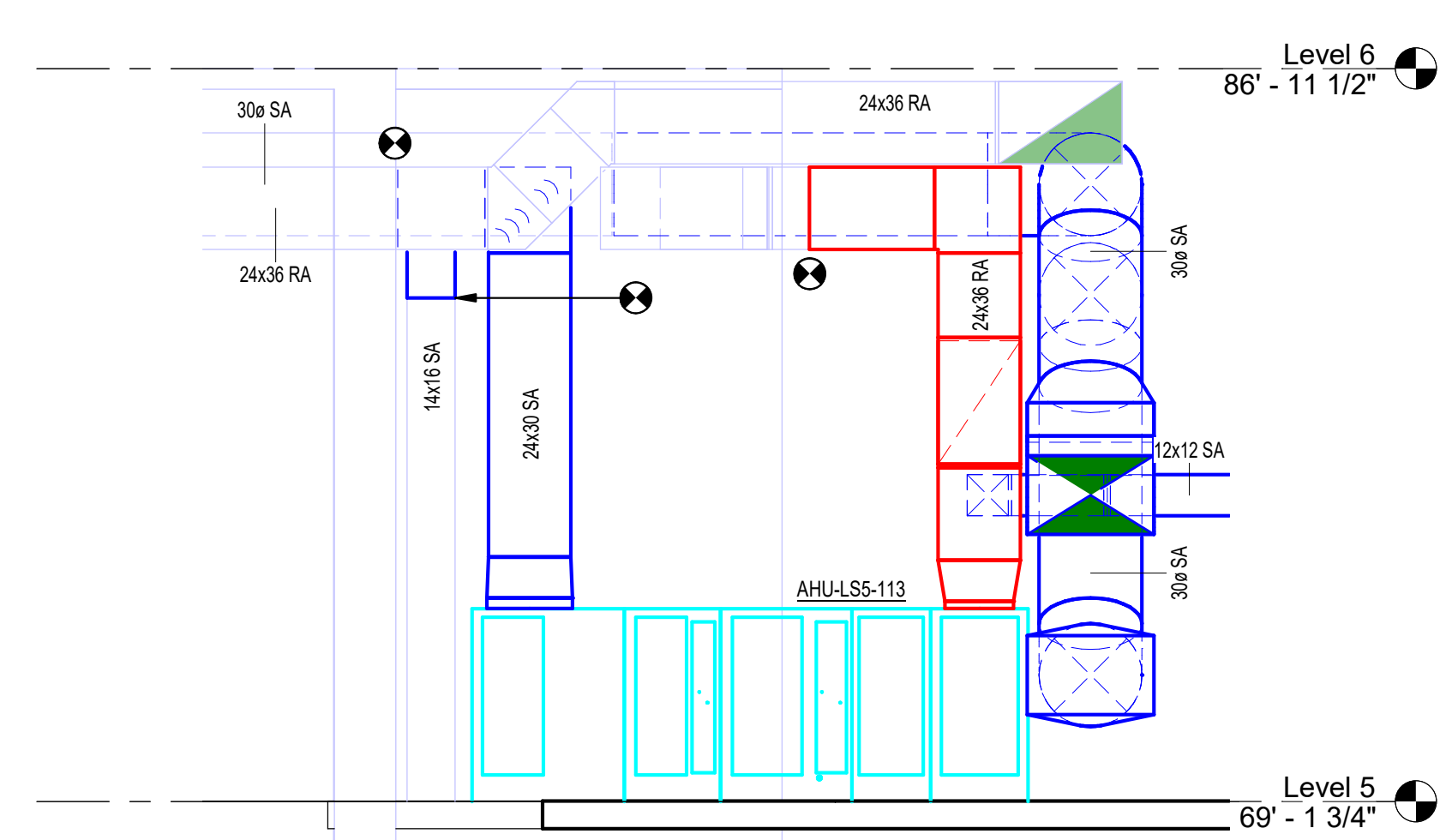
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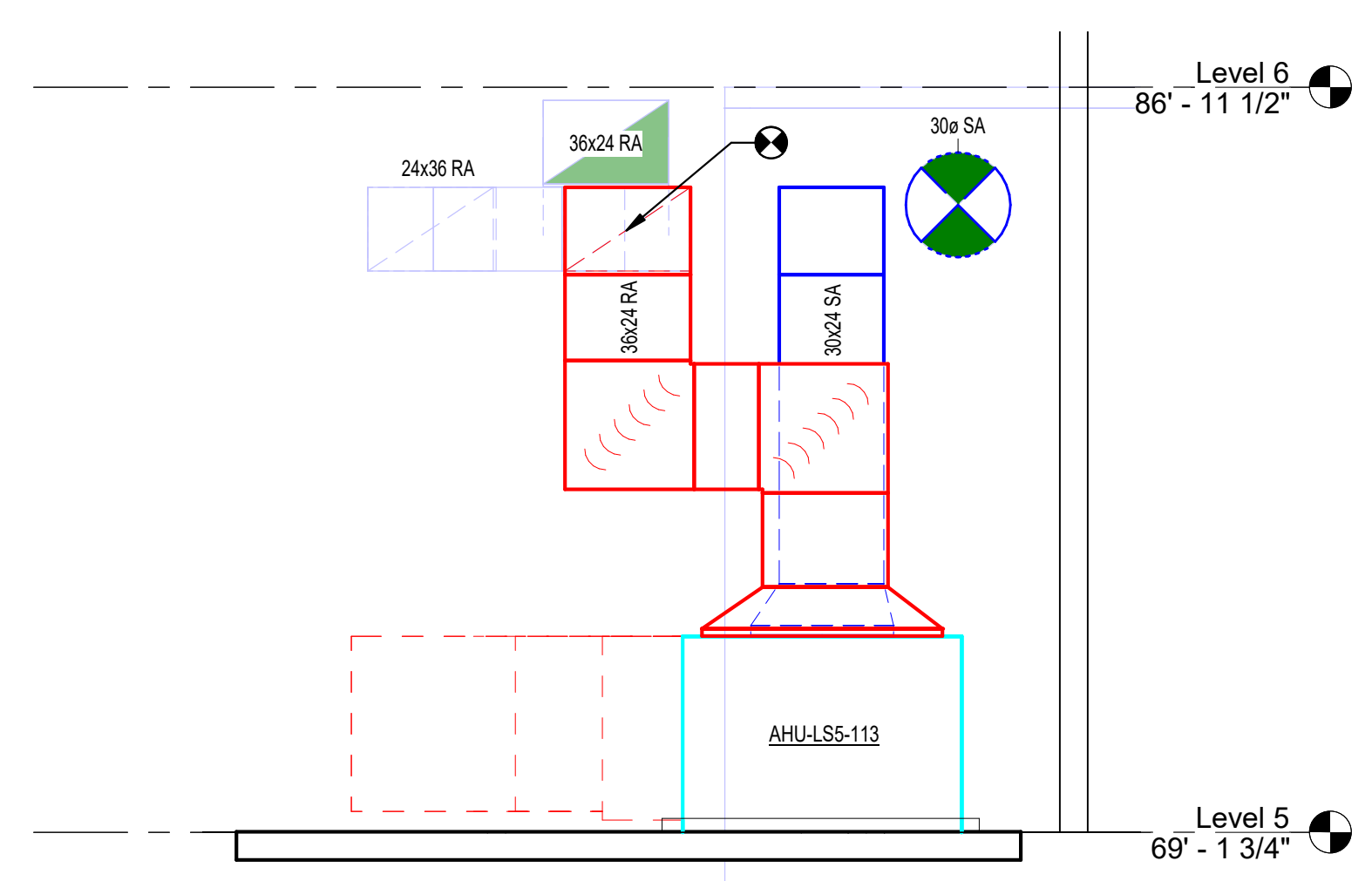
1 FIFTH LEVEL BALLROOM HVAC PLAN - AREA D - N.E. MECH. ROOM
M-2.01.02 1/4" = 1'-0"



2 AHU-LS5-108, 109, 111 SECTION
M-2.01.02 1/4" = 1'-0"



4 AHU-LS5-113 SECTION
M-2.01.02 1/4" = 1'-0"



3 AHU-LS5-113 SECTION 2
M-2.01.02 1/4" = 1'-0"



GREATER ORLANDO AVIATION AUTHORITY
V01050
Landside Terminal
Levels 4 and 5
HYATT CONTINENTAL
BALLROOM &
PRE-FUNCTION RENO
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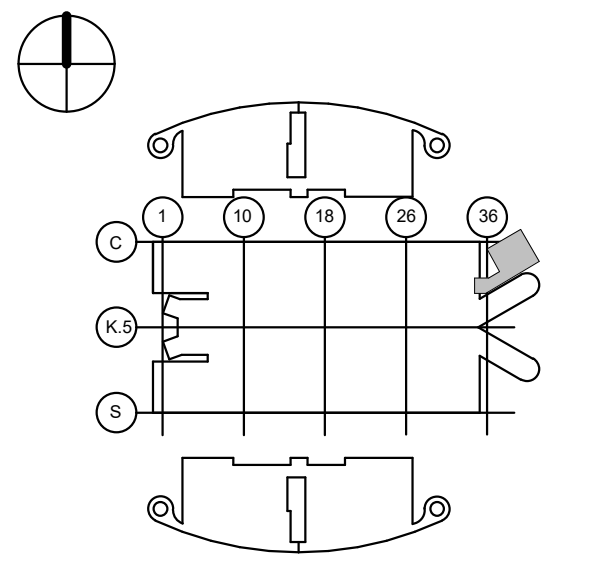
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Key Plan
Project No.: 19013.0001
Designed By: OD
Drawn By: AP
Checked By: OD
Issue Date: 02/20/2025
Drawing Scale: 1/4" = 1'-0"
Drawing Title:
MECHANICAL
ENLARGED PLANS -
N.E. MECH. ROOM -
LEVEL 5

Drawing No.
M-2.01.02

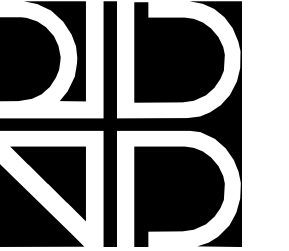


GREATER ORLANDO AVIATION AUTHORITY

V01050
Landside Terminal
Levels 4 and 5

HYATT CONTINENTAL
BALLROOM &
PRE-FUNCTION RENO

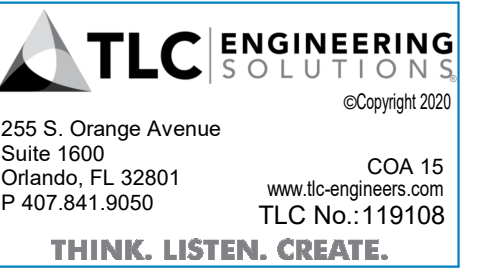
ORLANDO INTERNATIONAL AIRPORT



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ARCHITECTS

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FBAID Lic: AR0014284

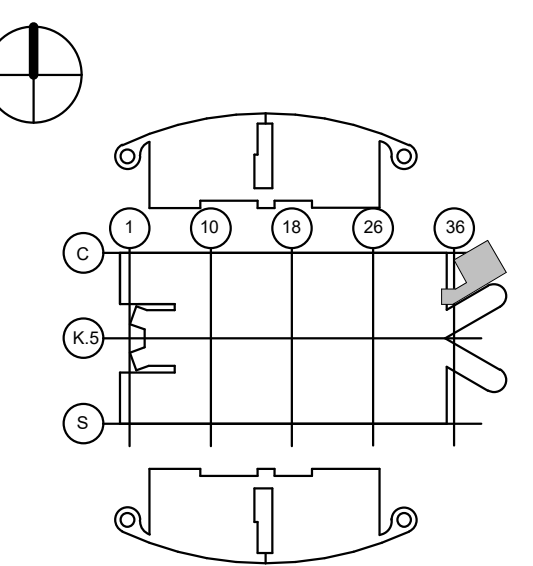


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Key Plan

Project No.: 19013.0001

Designed By: OD

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Issue Date: 02/20/2025

Drawing Scale: 1/4" = 1'-0"

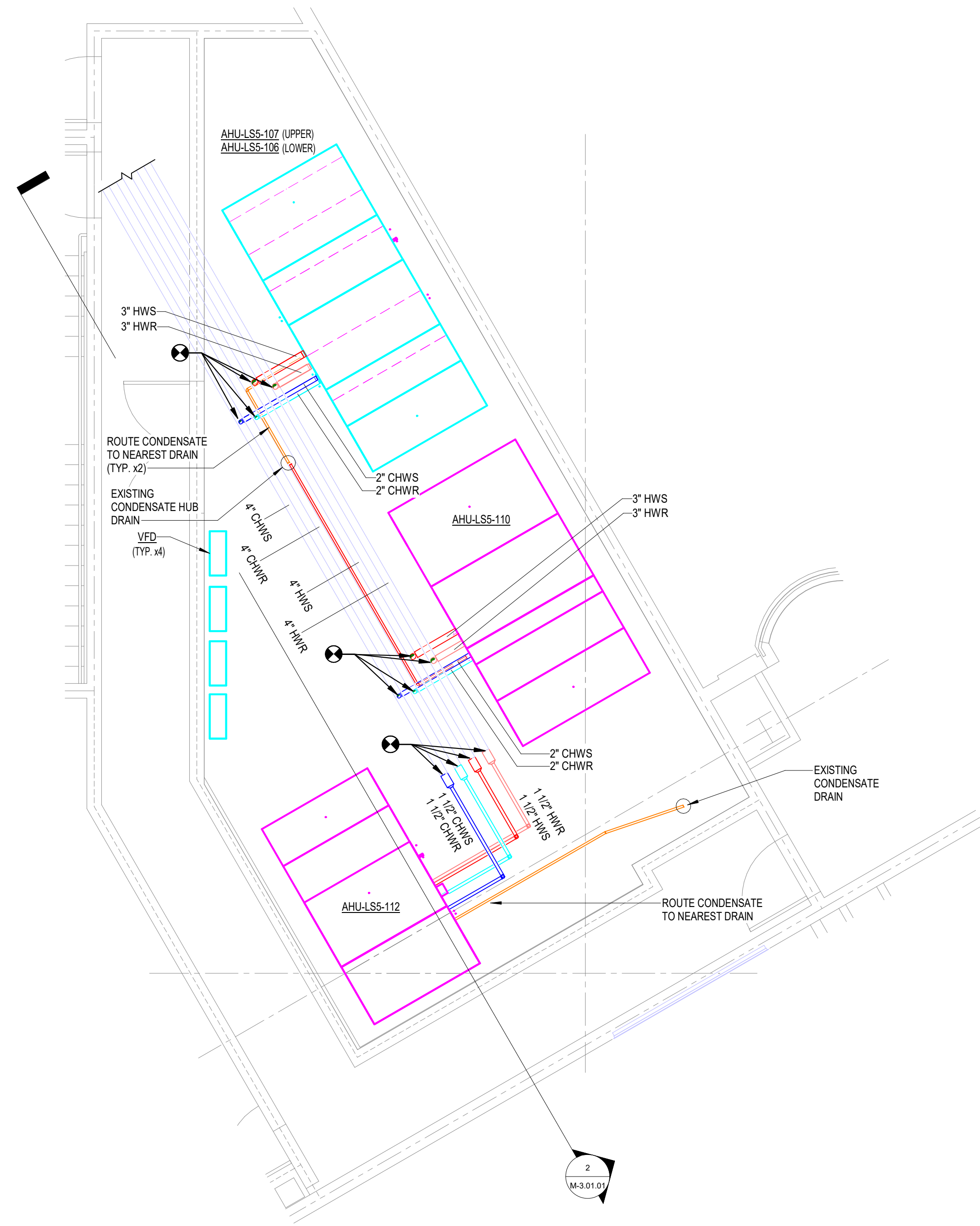
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MECHANICAL
ENLARGED PIPING
PLANS - S.W. MECH.
ROOM - LEVEL 5

Drawing No.

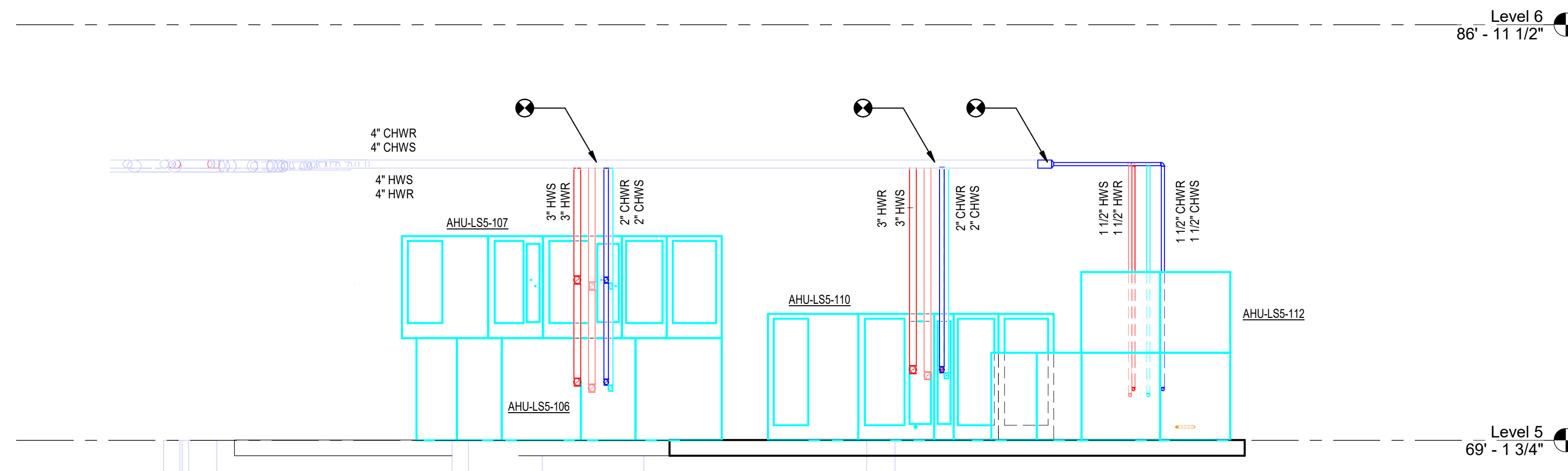
M-3.01.01

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A



1 FIFTH LEVEL BALLROOM HVAC PLAN - AREA D - S.W. MECH. ROOM - PIPING

M-3.01.01 1/4" = 1'-0"



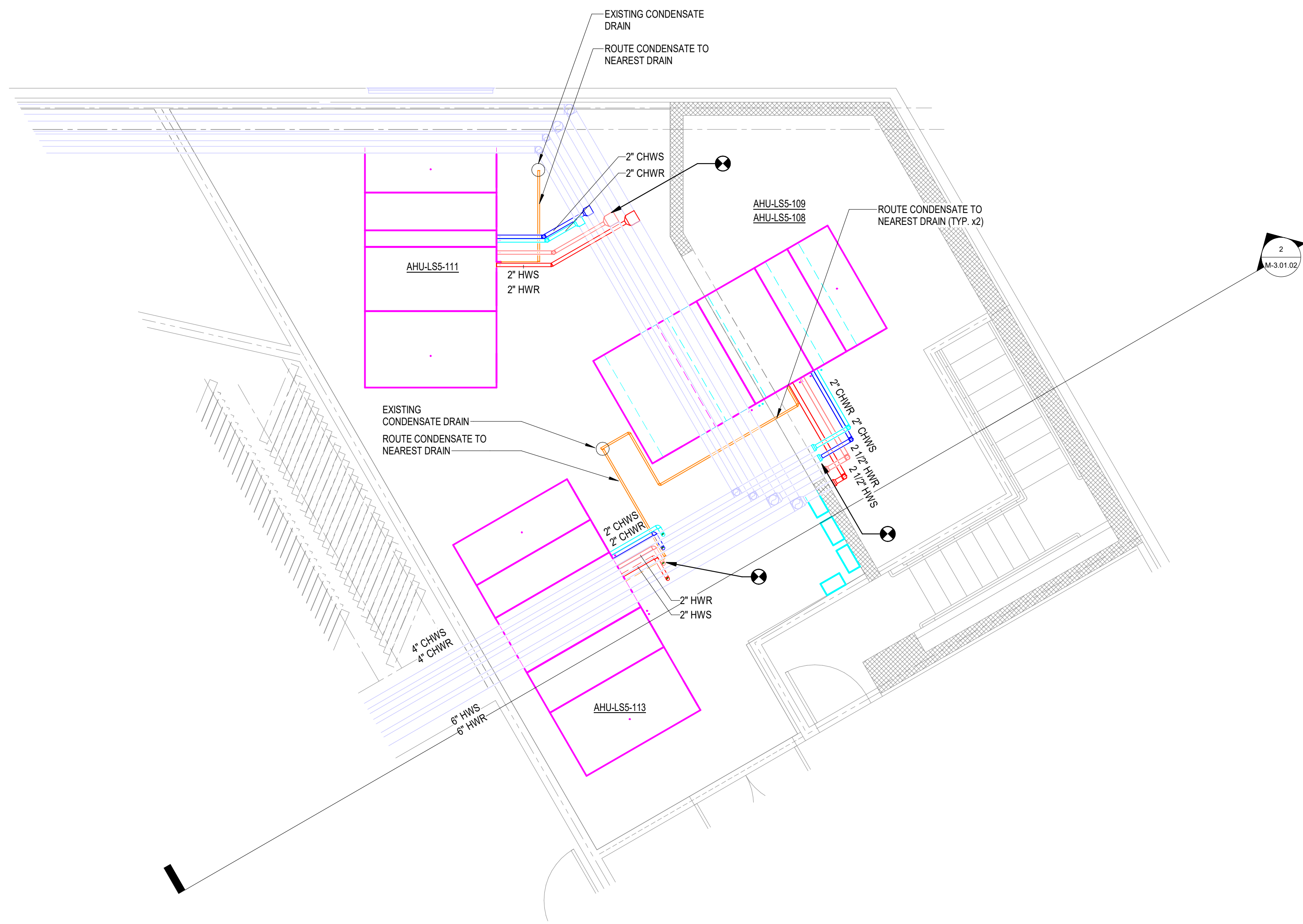
2 AHU-LS5-106, 107, & 110 SECTION - PIPING

M-3.01.01 1/4" = 1'-0"

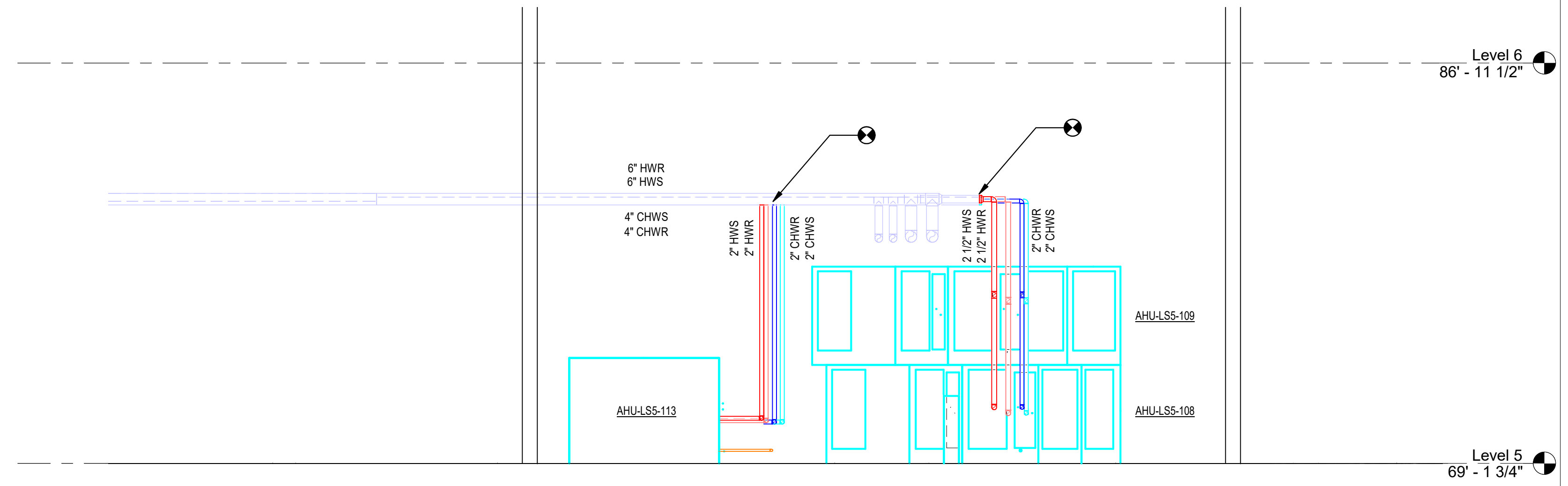
Level 6
86' - 11 1/2"

Level 5
69' - 1 3/4"

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C
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A



1
M-3.01.02 1/4" = 1'-0"



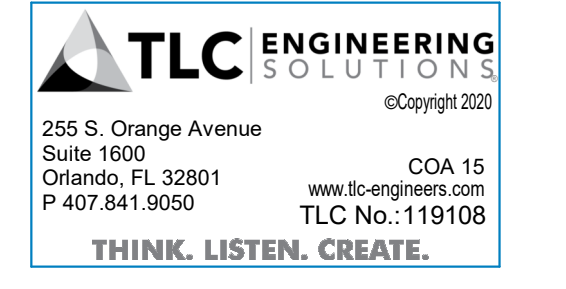
2
M-3.01.02 1/4" = 1'-0"



GREATER ORLANDO AVIATION AUTHORITY
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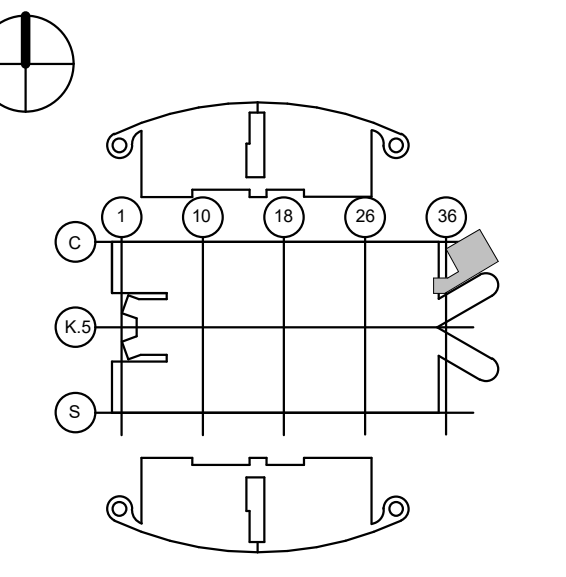


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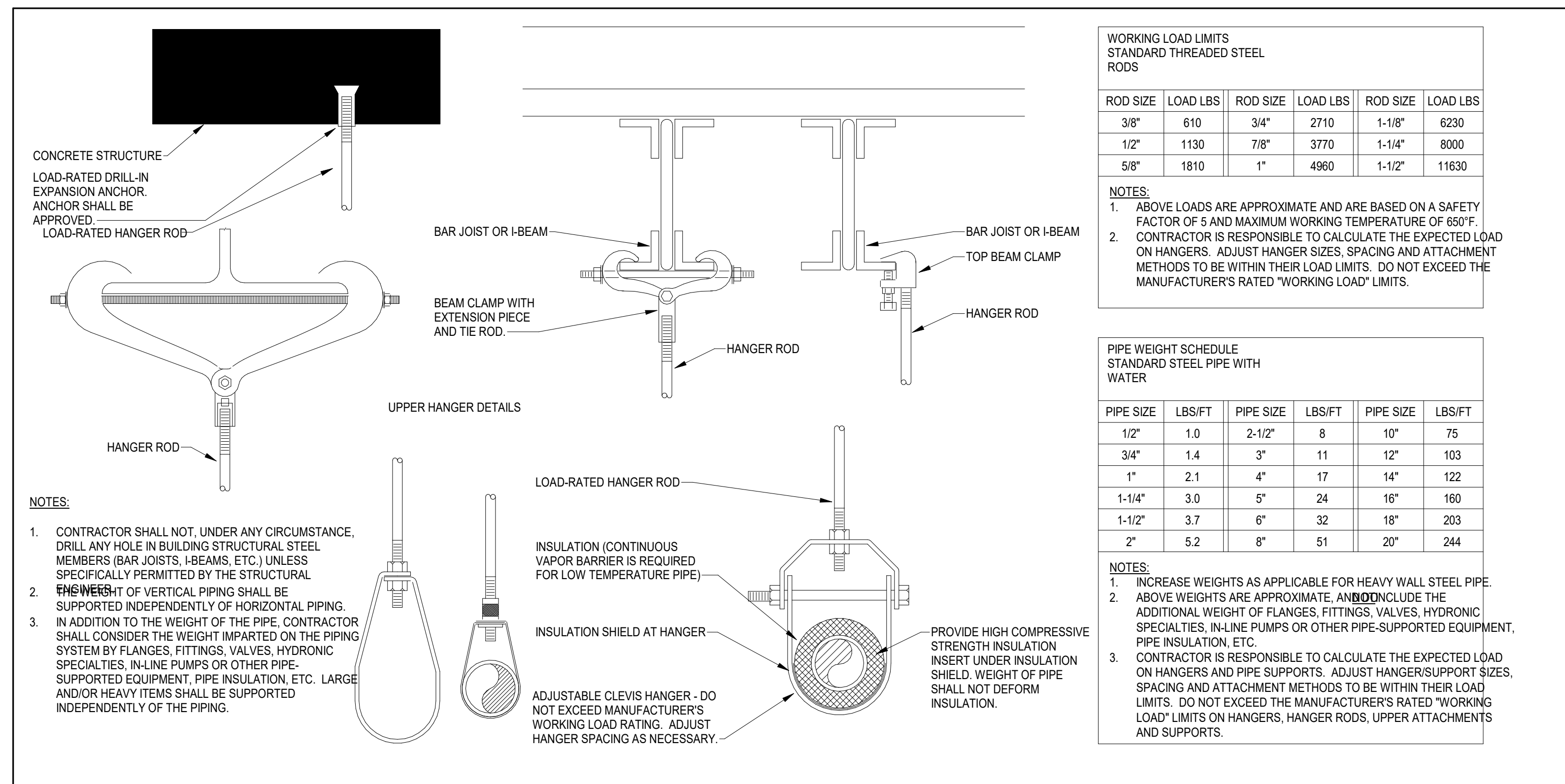
Revisions

No.	Date	Description

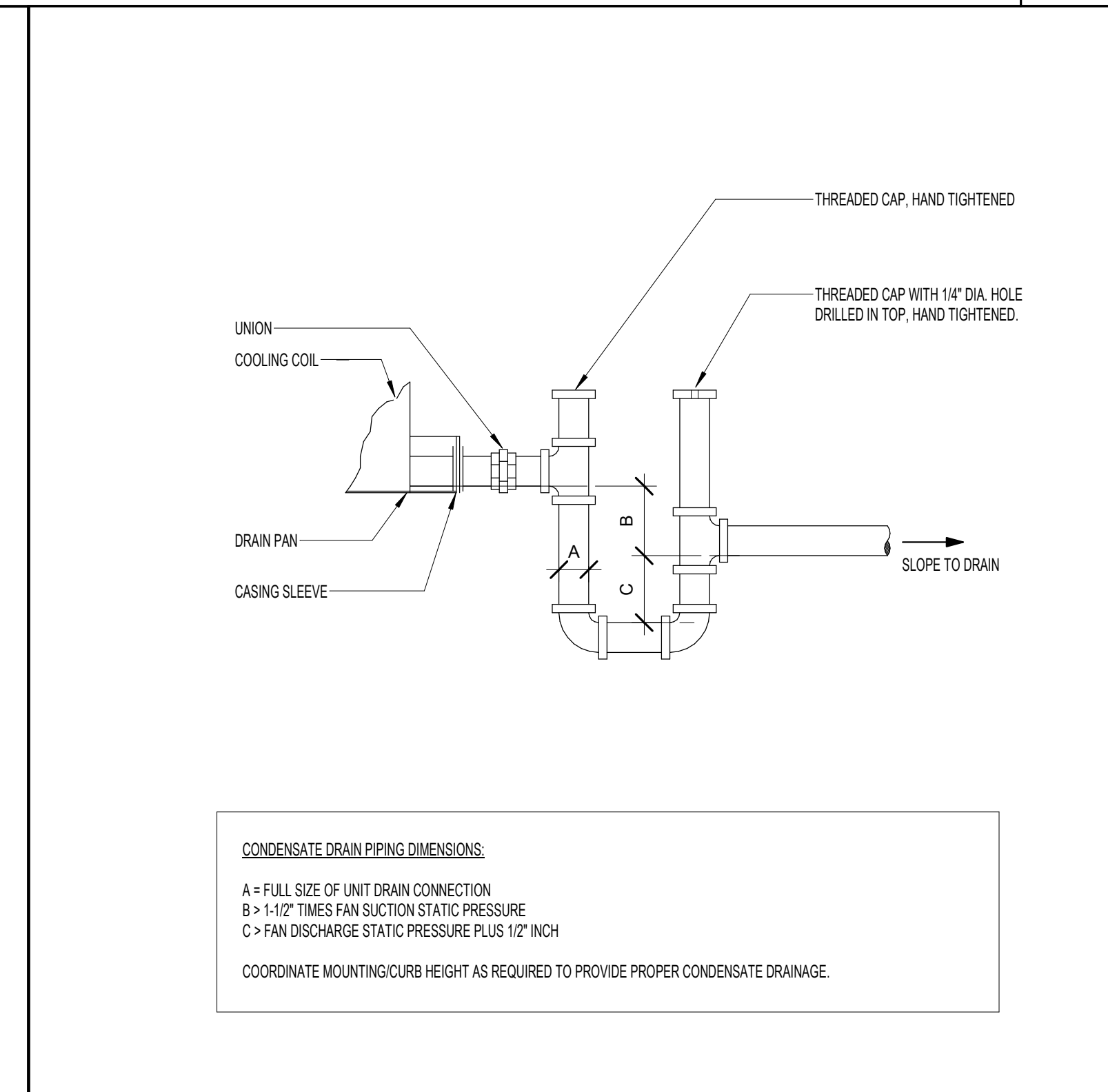
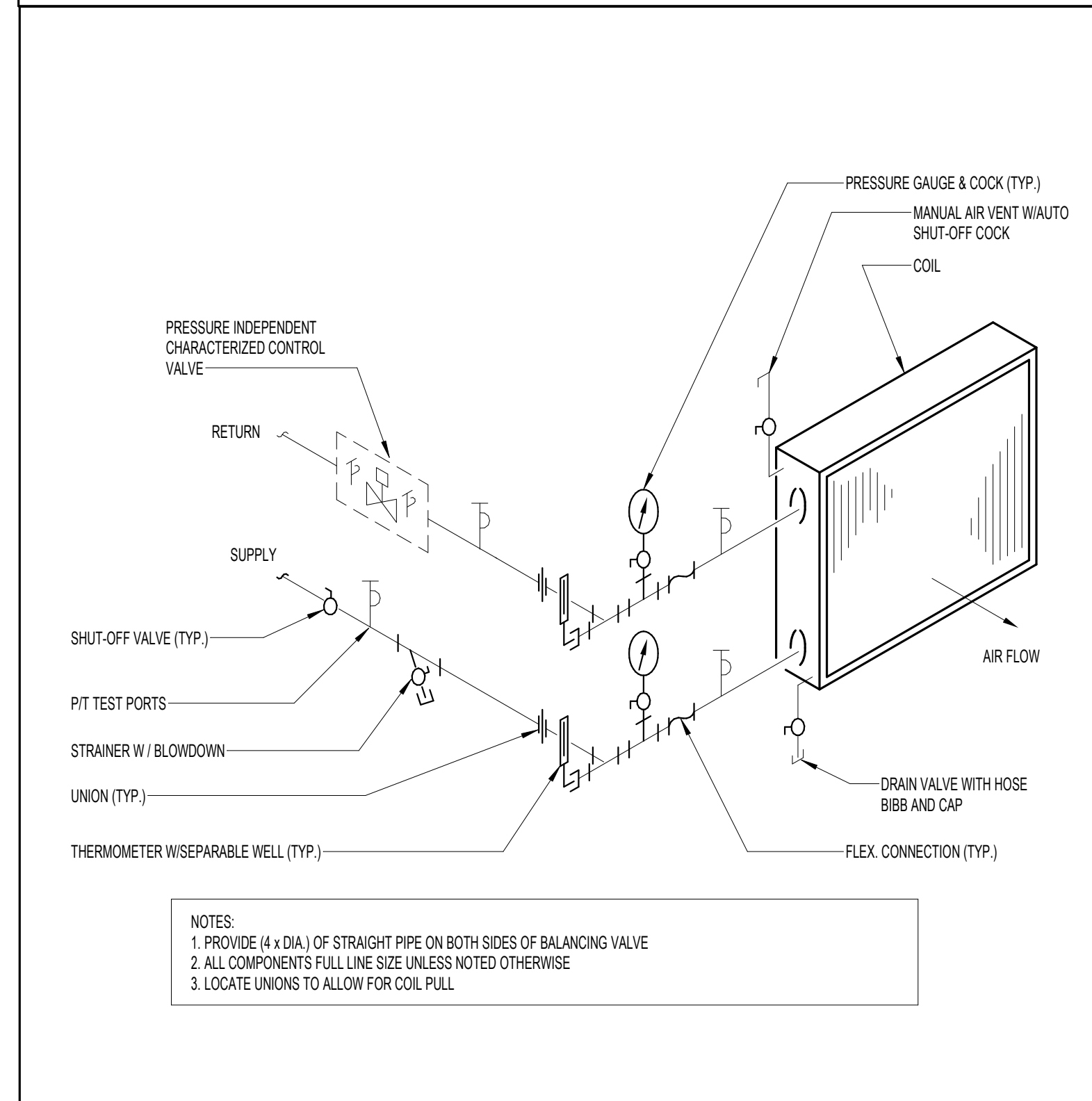


Key Plan
Project No.: 19013.0001
Designed By: OD
Drawn By: AP
Checked By: OD
Issue Date: 02/20/2025
Drawing Scale: 1/4" = 1'-0"
Drawing Title:
MECHANICAL
ENLARGED PIPING
PLANS - N.E. MECH.
ROOM - LEVEL 5

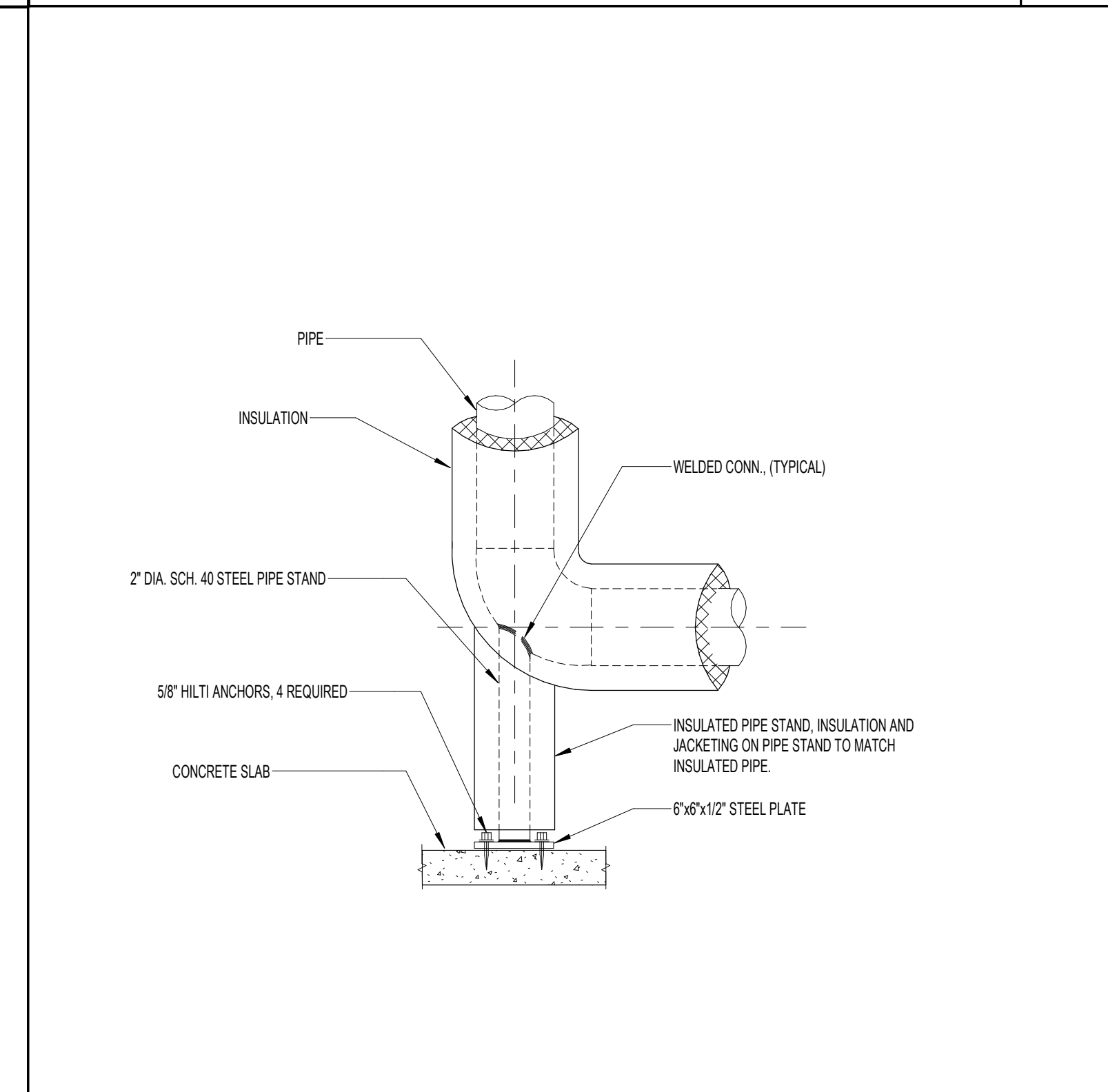
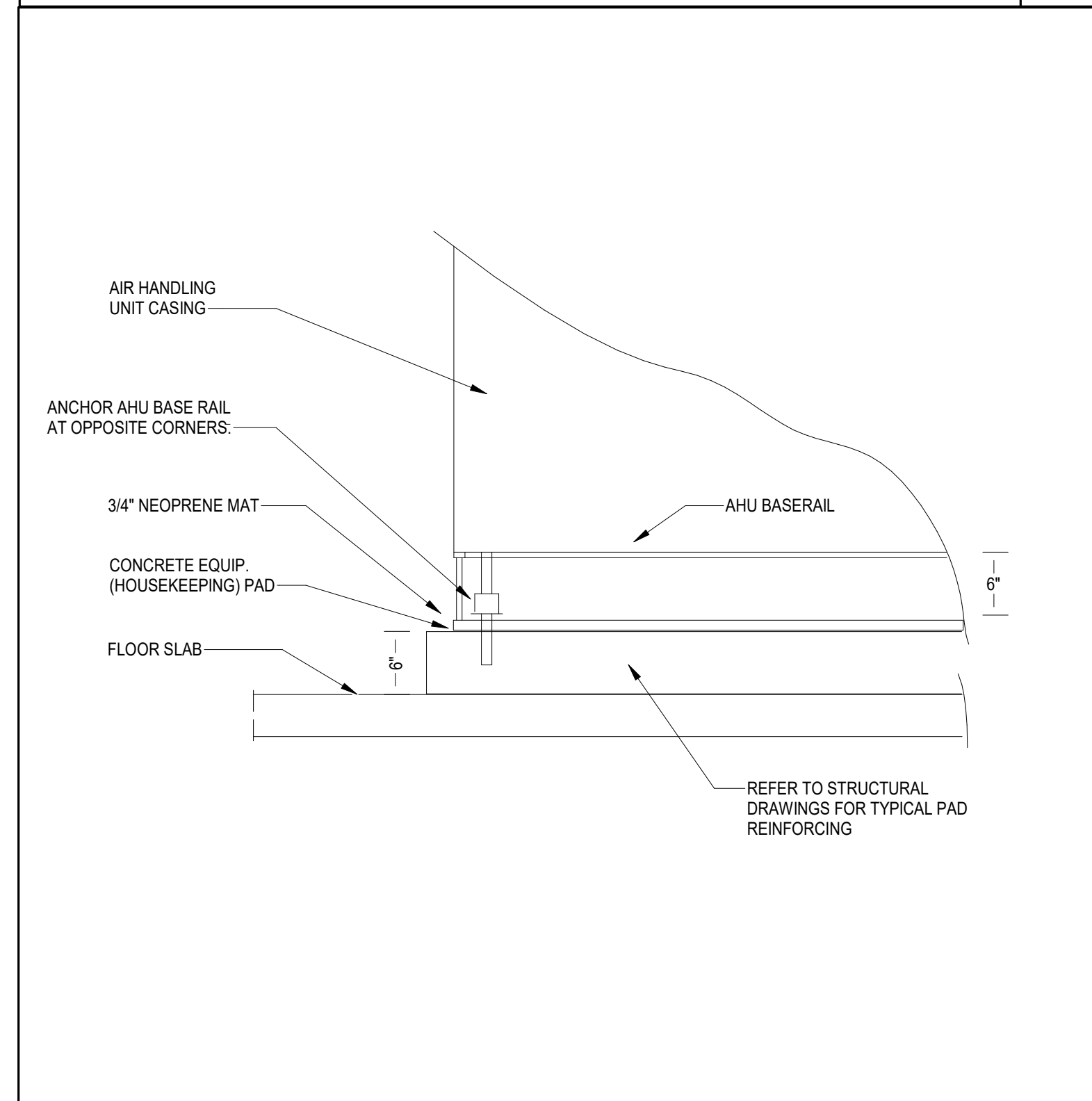
Drawing No.
M-3.01.02



PIPE HANGER DETAILS
No Scale 1



2-WAY COIL PIPING DIAGRAM 4 **AHU CONDENSATE DRAIN TRAP** 2



AHU EQUIPMENT PAD 5 **INSULATED VERTICAL PIPE SUPPORT** 3



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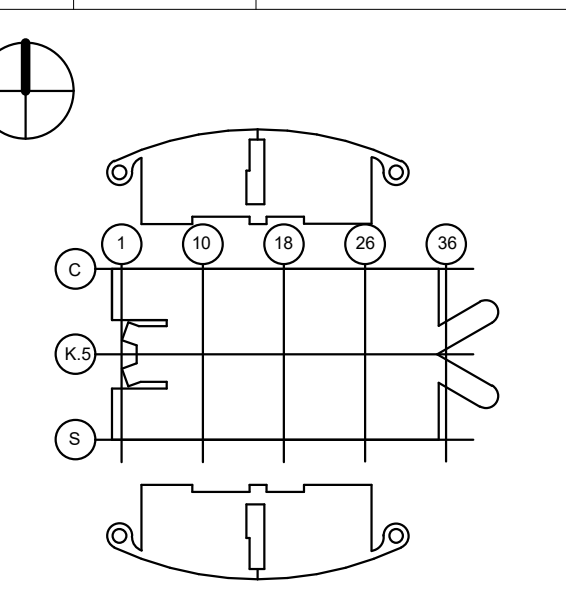


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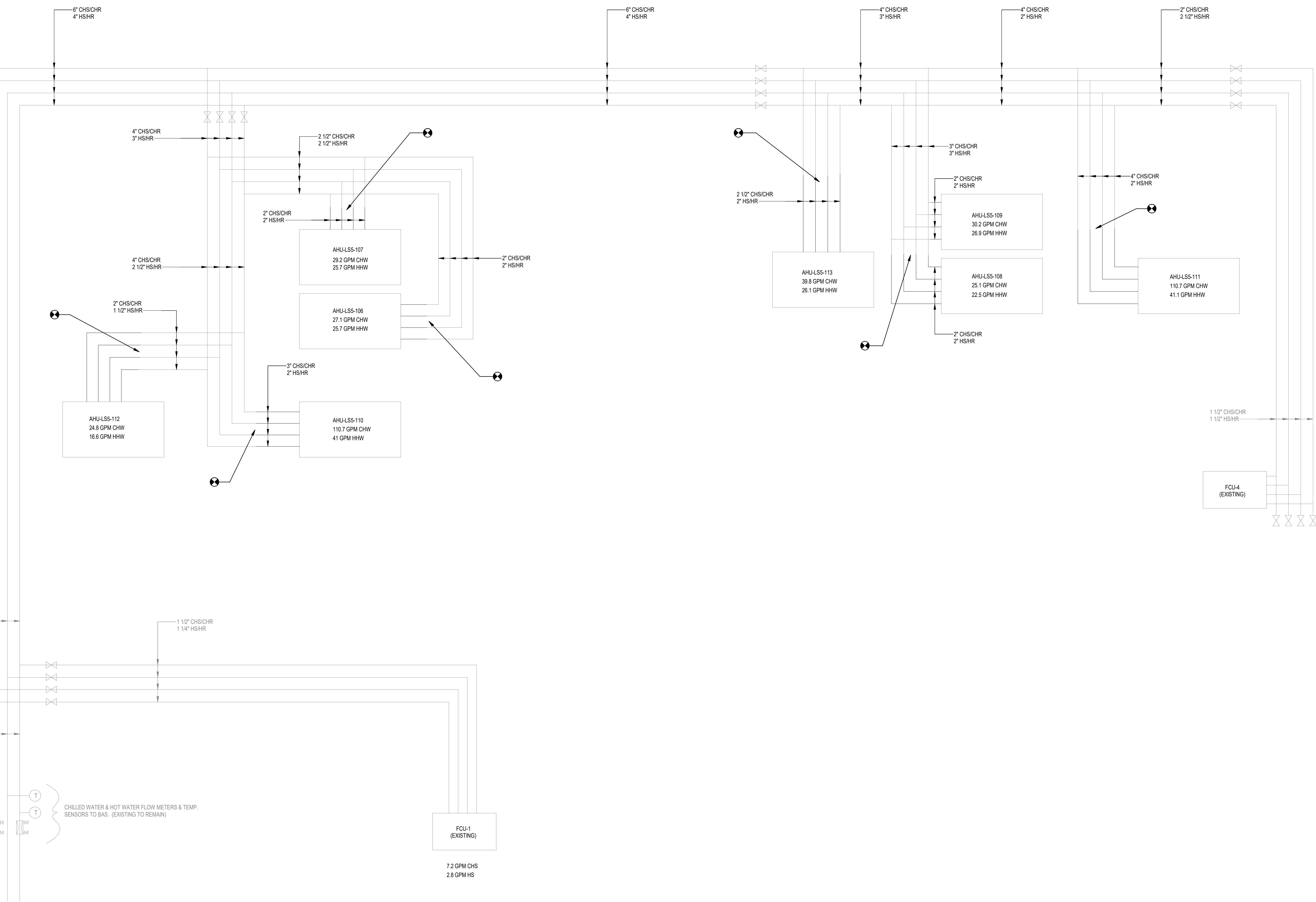
No.	Date	Description



Project No.: 19013.0001
 Designed By: OD
 Drawn By: AP
 Checked By: OD
 Issue Date: 02/20/2025
 Drawing Scale: 12" = 1'-0"
 Drawing Title:

MECHANICAL DETAILS

Drawing No.
M-5.01.02

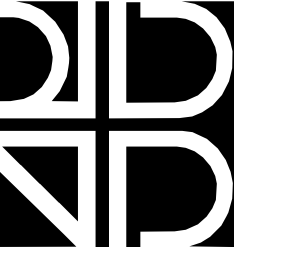


GREATER ORLANDO AVIATION AUTHORITY

V01050
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 Levels 4 and 5

HYATT CONTINENTAL
 BALLROOM &
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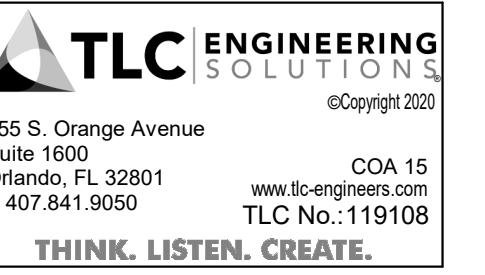
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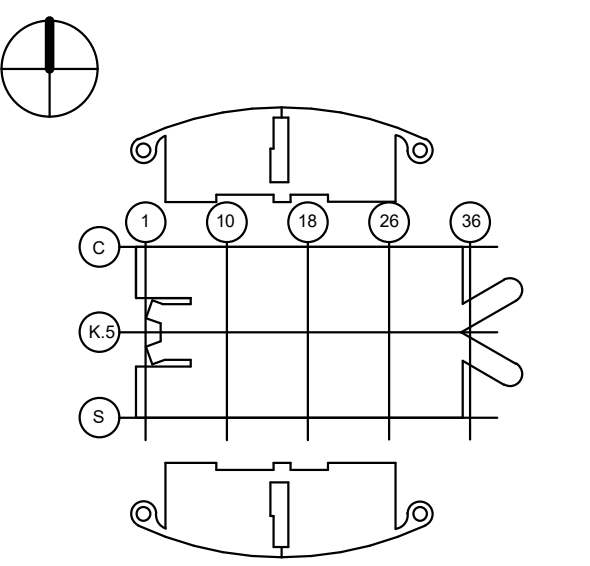


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Revisions

No.	Date	Description

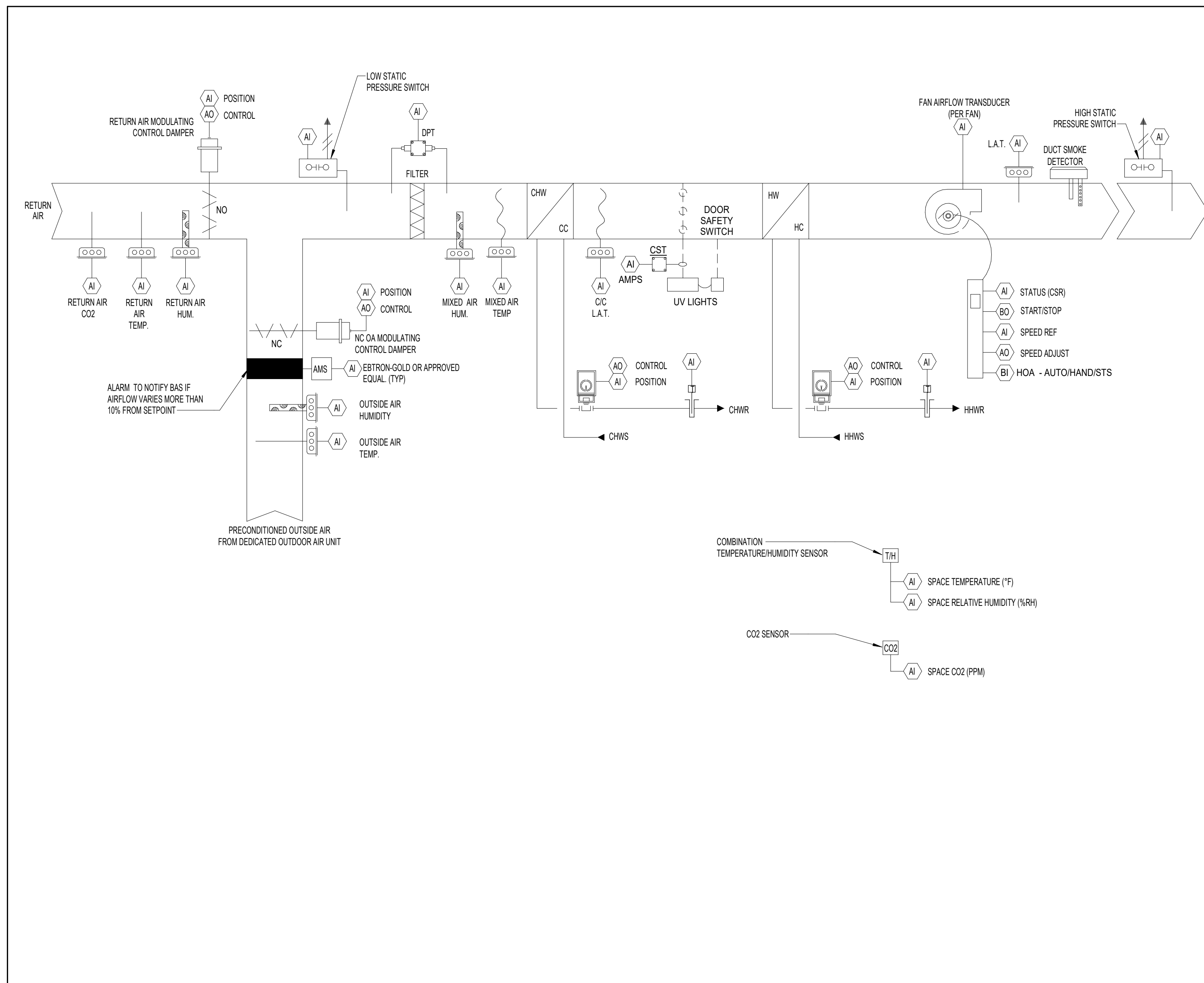


Key Plan

Project No.: 19013.0001
 Designed By: OD
 Drawn By: AP
 Checked By: OD
 Issue Date: 02/20/2025
 Drawing Scale: 12" = 1'-0"

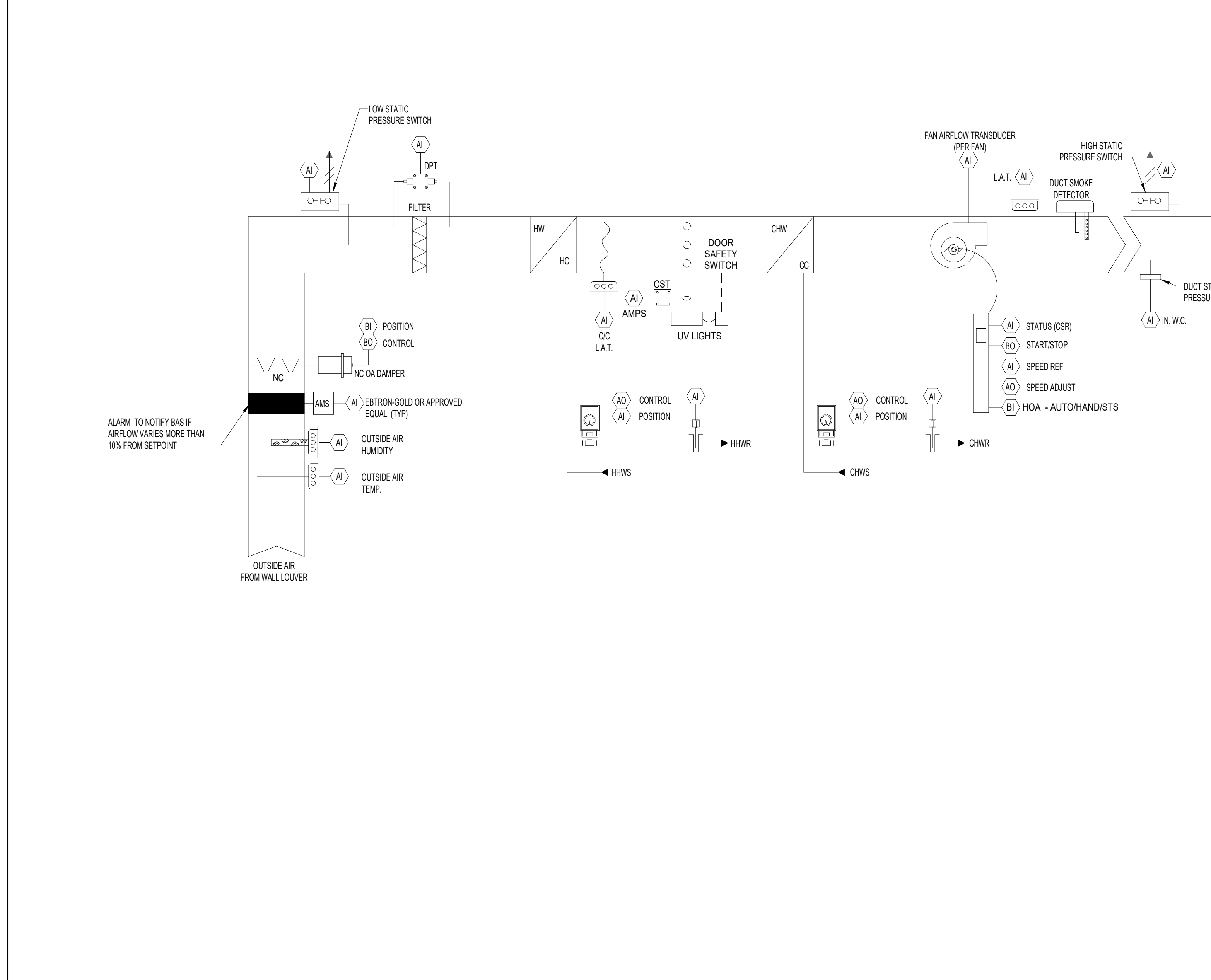
MECHANICAL CHW/HW
 FLOW SCHEMATIC

Drawing No.
M-6.01.01



CONTROL DIAGRAM FOR CHILLED WATER VARIABLE AIR VOLUME AIR HANDLING UNITS (SINGLE ZONE VAV)

No Scale 1



CONTROL DIAGRAM FOR CHILLED WATER DEDICATED OUTDOOR AIR UNIT

No Scale 2

VARIABLE AIR VOLUME SINGLE ZONE - AIR HANDLING UNIT - SEQUENCE OF OPERATIONS

RUN CONDITIONS - SCHEDULED:

THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:

- **OCCUPIED MODE:** IS USED TO MAINTAIN SPACE TEMPERATURE SETPOINTS.
- 1. IF BUILDING CONTROL SYSTEM FOR AHU SYSTEM IS SCHEDULED OCCUPIED ON THEN ENABLE SUPPLY FAN(S), INTERLOCKED EXHAUST FAN(S), VENTILATION/DEHUMIDIFICATION, AND VENTILATION CONTROL.
- **UNOCCUPIED MODE:** ALL TIMES OUTSIDE OF OCCUPIED MODE TO MAINTAIN ASSOCIATED UNOCCUPIED SPACE TEMPERATURE SETPOINTS.
- 1. IF BUILDING CONTROL SYSTEM FOR AHU SYSTEM IS SCHEDULED UNOCCUPIED OFF, THEN SUPPLY FAN(S), INTERLOCKED EXHAUST FAN(S), VENTILATION CONTROL, AND TEMPERATURE/DEHUMIDIFICATION CONTROL, SHALL BE DE-ENERGIZED.

RUN CONDITIONS - REQUESTED ON WHEN SCHEDULED UNOCCUPIED:

THE UNIT SHALL RUN WHENEVER REQUESTED AS FOLLOWS:

- WHEN AN UNOCCUPIED ZONE(S) HEATING, COOLING OR DEHUMIDIFICATION SETPOINTS ARE NOT SATISFIED.
- OR WHEN THE UNOCCUPIED SCHEDULE IS OVERRIDDEN TO OCCUPIED ON THE LOCAL ZONE THERMOSTAT.
- 1. THE AHU WILL BE REQUESTED TO START FOR A USER DEFINABLE PERIOD OF TIME (2 HOURS ADJ.) DURING THIS TIME THE AHU OUTSIDE AIR DAMPER SHALL REMAIN CLOSED. AT THE EXPIRATION OF THIS TIME, THE AHU SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
- ASSOCIATED EXHAUST FAN(S) SHALL REMAIN DE-ENERGIZED.

GENERAL AHU ALARM:

THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A SIGNAL FROM THE RELAY BOARD FOR THE FOLLOWING ITEMS:

- HIGH STATIC SHUTDOWN SIGNAL FROM SUPPLY FAN HIGH LIMIT DIFFERENTIAL STATIC PRESSURE SWITCH SETPOINT -(4) IN W.C. (ADJ.) TO BE DETERMINED BY TAB.
- LOW STATIC SHUTDOWN SIGNAL FROM SUPPLY FAN LOW LIMIT DIFFERENTIAL STATIC PRESSURE SWITCH SETPOINT -(4) IN W.C. (ADJ.) TO BE DETERMINED BY TAB.
- A FIRE ALARM (FA) SIGNAL.

SUPPLY FANS:

SUPPLY FAN(S) SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES:

- TO PREVENT SHORT CYCLING, THE SUPPLY FAN(S) SHALL HAVE A USER DEFINABLE MINIMUM RUNTIME OF 15 MINUTES (ADJ.).
- THE CONTROLLER SHALL MODULATE SUPPLY FAN SPEED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.
- THE MINIMUM SUPPLY FAN CFM SHALL BE THE GREATER OF EITHER 30% OF MAXIMUM AIRFLOW OR THE OUTDOOR AIRFLOW RATE. MINIMUM AND MAXIMUM FAN SPEEDS SHALL BE SET BY TAB.
- UPON FAILURE OF ANY ONE SUPPLY FAN:
 1. AN ALARM SHALL BE GENERATED.
 2. THE SPACE TEMPERATURE SETPOINT SHALL BE MAINTAINED, TO THE REMAINING FAN(S) ABILITY.
 3. THE REMAINING SUPPLY FAN(S) SHALL MODULATE TO MAINTAIN, TO THE REMAINING FAN(S) ABILITY, THE DESIGN AIRFLOW.
- IF ALL FAN(S) ARE DISABLED OR FAIL, WAIT (6) SECONDS FOR RESPECTIVE FAN(S) TO STOP AND CLOSE OUTSIDE AIR DAMPER.

SUPPLY AIR TEMPERATURE SETPOINT - OPTIMIZED:

THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND SHALL MAINTAIN A COOLING SUPPLY AIR TEMPERATURE SETPOINT BASED ON ZONE COOLING REQUIREMENTS AS FOLLOWS:

- THE INITIAL COOLING SUPPLY AIR TEMPERATURE SETPOINT SHALL BE 52°F (ADJ.)
- IF RETURN / ZONE RELATIVE HUMIDITY IS BELOW 55% RH (ADJ.), THE SPACE TEMPERATURES ARE SATISFIED, AND THE SUPPLY FANS ARE AT MINIMUM, THE SUPPLY AIR TEMPERATURE SETPOINT SHALL RESET UP BY 0.5°F (ADJ.) TO A MAXIMUM OF 70°F (ADJ.) EVERY 5 MINUTES (ADJ.)
- IF RETURN / ZONE RELATIVE HUMIDITY IS BETWEEN 55%-57% RH (ADJ.) AND ALL THE SPACE TEMPERATURES ARE SATISFIED, THE COOLING SUPPLY AIR TEMPERATURE SETPOINT SHALL REMAIN CONSTANT AT CURRENT SETPOINT.
- IF RETURN / ZONE RELATIVE HUMIDITY IS BETWEEN 58%-60% RH (ADJ.) OR THE SPACE TEMPERATURES ARE NOT SATISFIED, THE SUPPLY AIR TEMPERATURE SETPOINT SHALL RESET DOWN BY 1°F (ADJ.) TO A MINIMUM OF 52°F (ADJ.) EVERY 5 MINUTES (ADJ.)
- IF RETURN / ZONE RELATIVE HUMIDITY IS ABOVE 60% RH (ADJ.) THE COOLING SUPPLY AIR TEMPERATURE SETPOINT SHALL UTILIZE DEHUMIDIFICATION MODE.

CHILLED WATER COOLING COIL VALVE:

THE CHILLED WATER COOLING COIL VALVE SHALL BE ENABLED WHENEVER THE SUPPLY FAN(S) STATUS IS ON AND THERE IS A CALL FOR COOLING IN THE ZONE.

- THE CONTROLLER SHALL DETERMINE THE ACTIVE SUPPLY AIR TEMPERATURE SETPOINT.
- ACTIVE SUPPLY AIR TEMPERATURE SETPOINT IS EITHER THE COOLING SUPPLY AIR TEMPERATURE SETPOINT OR THE DEHUMIDIFICATION SUPPLY AIR TEMPERATURE SETPOINT DEPENDENT ON MODE.
- THE CONTROLLER SHALL MODULATE THE CHILLED WATER VALVE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT.

HOT WATER HEATING COIL VALVE (PRE-HEAT POSITION):

THE HOT WATER HEATING COIL VALVE SHALL BE ENABLED WHENEVER THE SUPPLY FAN(S) STATUS IS ON AND THERE IS A CALL FOR HEAT IN THE ZONE.

- THE CONTROLLER SHALL DETERMINE THE ACTIVE SUPPLY AIR TEMPERATURE SETPOINT.
- THE CONTROLLER SHALL MODULATE THE HEATING HOT WATER VALVE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT.

VENTILATION:

THE OUTSIDE AIR DAMPER SHALL CLOSE, THE RETURN AIR DAMPER SHALL OPEN AND THE ASSOCIATED EXHAUST FAN(S) SHALL BE DE-ENERGIZED:

- WHEN THE UNIT IS SCHEDULED UNOCCUPIED.
- WHEN THE UNIT IS REQUESTED TO MAINTAIN UNOCCUPIED ZONE HEATING AND COOLING SETPOINTS.

DEMAND CONTROLLED VENTILATION SHALL BE UTILIZED TO CONTROL THE OUTSIDE AIR, RETURN AIR DAMPERS AND ASSOCIATED EXHAUST FAN(S) WHENEVER THE AHU IS SCHEDULED OCCUPIED:

- THE OUTSIDE AIR DAMPER SHALL OPEN INDEPENDENTLY TO MAINTAIN OUTSIDE AIRFLOW SETPOINT.
- ONCE THE OUTSIDE AIR DAMPER IS 100%, THE RETURN AIR DAMPER SHALL INDEPENDENTLY CLOSE AS NEEDED TO ACHIEVE THE OUTSIDE AIRFLOW SETPOINT.
- WHEN THE RETURN AIR DAMPER IS CONFIRMED AT LEAST 25% OPEN (RA DAMPER MIN POSITION), ENABLE SUPPLY FAN(S) TO MAINTAIN DISCHARGE STATIC PRESSURE SETPOINT.
- WHEN SUPPLY FAN(S) STATUS IS DETECTED, OPEN ASSOCIATED EXHAUST FAN DAMPER(S).
- AFTER CONFIRMATION THAT THE EXHAUST DAMPER(S) IS OPEN, ENERGIZE THE ASSOCIATED EXHAUST FAN(S) TO MAINTAIN BUILDING PRESSURE SETPOINT.
- IF SUPPLY FAN(S) ARE DISABLED OR FAIL, WAIT (6) SECONDS FOR RESPECTIVE FAN(S) TO STOP AND CLOSE OUTSIDE AIR DAMPER AND DE-ENERGIZE AND CLOSE THE EXHAUST FAN SYSTEM.
- PROVIDE A DEMAND CONTROL VENTILATION OVERRIDE SEQUENCE TO RELEASE DCV TO FULL DESIGN OUTDOOR AIR RATES. THE DEMAND CONTROL OVERRIDE SHALL BE INDICATED FROM THE SPECIFIC AHU'S GRAPHICS PAGE AS A USER TOGGLE BETWEEN DCV AND DCV OVERRIDE.

OUTSIDE AIR CFM SETPOINT SHALL BE BASED ON A LINEAR RELATIONSHIP OF THE FOLLOWING:

- WHEN RETURN / ZONE CO2 SENSOR(S) ARE LESS THAN CO2 MINIMUM SETPOINT (1,000 PPM ADJ.), THE OUTSIDE AIR CFM SETPOINT SHALL BE FOR PRESSURIZATION AS INDICATED AS THE MINIMUM OA CFM AIRFLOW IN THE AHU SCHEDULE.
- WHEN RETURN / ZONE CO2 SENSOR(S) ARE GREATER THAN THE SUM OF THE CO2 MINIMUM SETPOINT AND CO2 DIFFERENTIAL SETPOINT (500 PPM ADJ.) [SO IT IS 1,500 PPM TOTAL] THE OUTSIDE AIR CFM SETPOINT SHALL BE FOR DESIGN MAXIMUM OA CFM AIRFLOW FROM THE AHU SCHEDULE.

DEHUMIDIFICATION:

DEHUMIDIFICATION SHALL BE ENABLED WHENEVER THE SUPPLY FAN(S) STATUS IS ON, THE CONTROLLER SHALL MONITOR RETURN AIR AND ZONE(S) RELATIVE HUMIDITY (% RH) SERVED BY THIS AIR HANDLING UNIT.

IF ANY ZONE(S) EXCEEDS THE SETPOINT OF 60% RH (ADJ.) THEN THE CONTROLLER SHALL OVERRIDE THE COOLING COIL SEQUENCE AND CHANGE THE ACTIVE SUPPLY AIR TEMPERATURE SETPOINT DOWN TO THE DEHUMIDIFICATION SUPPLY AIR TEMPERATURE SETPOINT OF 52°F (ADJ.) TO MAINTAIN RELATIVE HUMIDITY AT OR BELOW 55% RH.

THE HOT WATER HEATING COIL SHALL BE ENERGIZED AND MODULATED AS NECESSARY IN DEHUMIDIFICATION MODE TO MAINTAIN SPACE TEMPERATURE SETPOINTS. THIS SHALL ONLY OCCUR WHEN THE FAN SPEED HAS BEEN REDUCED TO MINIMUM.

FREEZE PROTECTION:

THE CONTROLLER SHALL OPEN THE CHILLED WATER VALVE 50% (ADJ.) AND GENERATE AN ALARM UPON RECEIVING A LOW MIXED AIR AVERAGING TEMPERATURE OF < 38°F (ADJ.)

ULTRAVIOLET LIGHT (UVC):

THE UVC SHALL DE-ENERGIZE WHENEVER A DOOR WITH ACCESS OR DIRECT VIEW OF THE UVC IS OPEN VIA HARDWARE INTERLOCK AND GENERATE AN ALARM.

DEDICATED OUTDOOR AIR UNIT - SEQUENCE OF OPERATIONS

RUN CONDITIONS - SCHEDULED:

THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:

- **OCCUPIED MODE:** IS USED TO MAINTAIN VENTILATION AIRFLOW.
- 1. IF BUILDING CONTROL SYSTEM FOR AHU SYSTEM IS SCHEDULED OCCUPIED ON THEN ENABLE SUPPLY FAN(S), INTERLOCKED EXHAUST FAN(S), AND VENTILATION CONTROL.
- **UNOCCUPIED MODE:** ALL TIMES OUTSIDE OF OCCUPIED MODE.
- 1. IF BUILDING CONTROL SYSTEM FOR AHU SYSTEM IS SCHEDULED UNOCCUPIED OFF, THEN SUPPLY FAN(S), INTERLOCKED EXHAUST FAN(S), VENTILATION CONTROL, AND TEMPERATURE/DEHUMIDIFICATION CONTROL, SHALL BE DE-ENERGIZED.

GENERAL AHU ALARM:

THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A SIGNAL FROM THE RELAY BOARD FOR THE FOLLOWING ITEMS:

- HIGH STATIC SHUTDOWN SIGNAL FROM SUPPLY FAN HIGH LIMIT DIFFERENTIAL STATIC PRESSURE SWITCH SETPOINT -(4) IN W.C. (ADJ.) TO BE DETERMINED BY TAB.
- LOW STATIC SHUTDOWN SIGNAL FROM SUPPLY FAN LOW LIMIT DIFFERENTIAL STATIC PRESSURE SWITCH SETPOINT -(4) IN W.C. (ADJ.) TO BE DETERMINED BY TAB.
- A FIRE ALARM (FA) SIGNAL.

SUPPLY FANS:

SUPPLY FAN(S) SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES:

- TO PREVENT SHORT CYCLING, THE SUPPLY FAN(S) SHALL HAVE A USER DEFINABLE MINIMUM RUNTIME OF 15 MINUTES (ADJ.).
- THE CONTROLLER SHALL MODULATE SUPPLY FAN SPEED TO MAINTAIN THE DUCT STATIC PRESSURE SETPOINT (INITIALLY SET TO 1". FINAL SETPOINT TO BE DETERMINED BY TAB).
- UPON FAILURE OF ANY ONE SUPPLY FAN:
 1. AN ALARM SHALL BE GENERATED.
 2. THE STATIC PRESSURE SETPOINT SHALL BE MAINTAINED, TO THE REMAINING FAN(S) ABILITY.
 - IF ALL FAN(S) ARE DISABLED OR FAIL, WAIT (6) SECONDS FOR RESPECTIVE FAN(S) TO STOP AND CLOSE OUTSIDE AIR DAMPER.

SUPPLY AIR TEMPERATURE SETPOINT:

THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND SHALL MAINTAIN THE COOLING SUPPLY AIR TEMPERATURE SETPOINT OF 52°F (ADJ.)

CHILLED WATER COOLING COIL VALVE:

THE CHILLED WATER COOLING COIL VALVE SHALL BE ENABLED WHENEVER THE SUPPLY FAN(S) STATUS IS ON

- THE CONTROLLER SHALL MODULATE THE CHILLED WATER VALVE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT (52°F).

HOT WATER HEATING COIL VALVE (PRE-HEAT POSITION):

THE HOT WATER HEATING COIL VALVE SHALL BE ENABLED WHENEVER THE SUPPLY FAN(S) STATUS IS ON AND THE ENTERING AIR TEMPERATURE IS BELOW 50°F.

- THE CONTROLLER SHALL MODULATE THE HEATING HOT WATER VALVE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT (52°F ADJ.)

VENTILATION:

THE OUTSIDE AIR DAMPER SHALL CLOSE AND THE ASSOCIATED EXHAUST FAN(S) SHALL BE DE-ENERGIZED:

- WHEN THE UNIT IS SCHEDULED UNOCCUPIED.

FREEZE PROTECTION:

THE CONTROLLER SHALL OPEN THE CHILLED WATER VALVE 50% (ADJ.) AND GENERATE AN ALARM UPON RECEIVING A LOW COOLING COIL ENTERING AIR TEMPERATURE OF < 38°F (ADJ.)

ULTRAVIOLET LIGHT (UVC):

THE UVC SHALL DE-ENERGIZE WHENEVER A DOOR WITH ACCESS OR DIRECT VIEW OF THE UVC IS OPEN VIA HARDWARE INTERLOCK AND GENERATE AN ALARM.

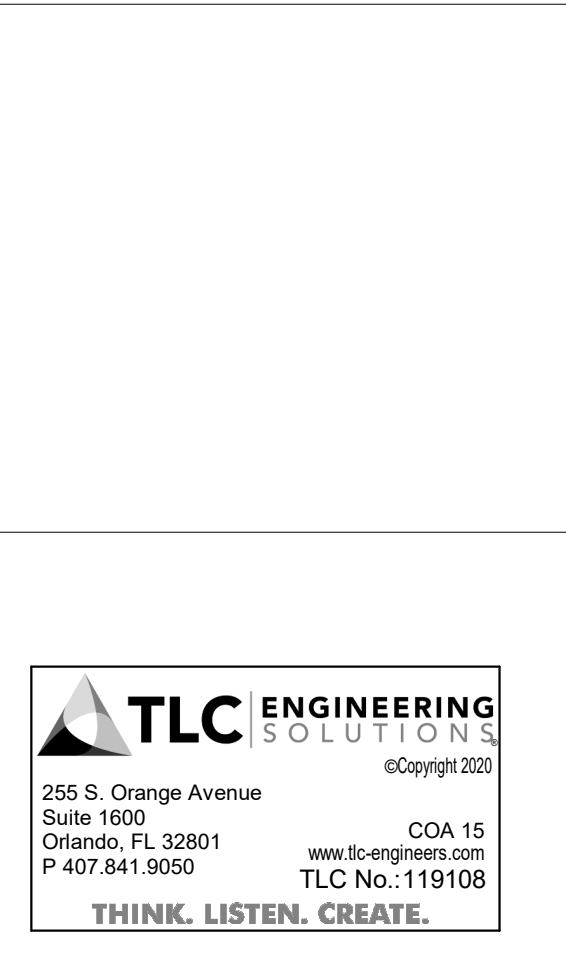
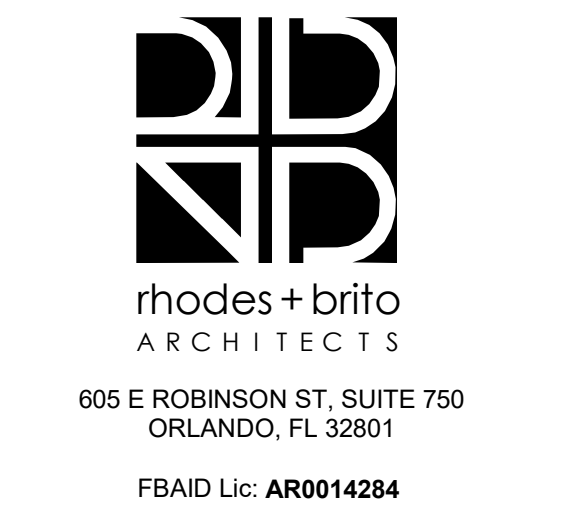


GREATER ORLANDO AVIATION AUTHORITY

V01050
 Landside Terminal
 Levels 4 and 5

HYATT CONTINENTAL
 BALLROOM &
 PRE-FUNCTION RENO

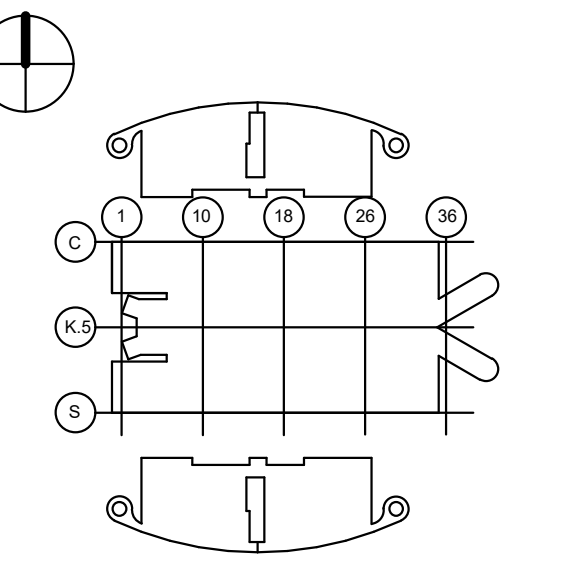
ORLANDO INTERNATIONAL AIRPORT



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Revisions

No.	Date	Description



Key Plan

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Checked By:	OD
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Drawing Title:	

MECHANICAL
 CONTROLS

Drawing No.
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