

SHEET NOTES

1. ALL DUCTWORK SHOWN ON THIS PLAN SHALL BE PROTECTED BY EITHER A RATED SHAFT ENCLOSURE (BY G.C.) OR FIRE WRAPPED. THE INTEGRITY OF THE FIRE RATING SHALL BE MAINTAINED FROM THE LEVEL 2 SLAB PENETRATIONS UP THROUGH THE LEVEL 3 ROOF.

2. GREASE EXHAUST DUCT ACCESS PANELS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 506.3.B AND 506.3.C OF THE 2021 WASHINGTON STATE MECHANICAL CODE. ACCESS PANELS SHALL BE:

- LOCATED NOT MORE THAN 10 FEET FROM CHANGES IN DIRECTION GREATER THAN 45 DEGREES.
- LOCATED ON THE SIDE OR TOP OF THE DUCT, NOT ON THE BOTTOM.
- HAVE DIMENSIONS OF AT LEAST 12 INCHES BY 12 INCHES.

3. RATED ACCESS PANELS FOR SHAFT ENCLOSURE PROVIDED BY G.C. ACCESS PANELS ON GREASE DUCT BY M.C. ACCESS PANELS ON SHAFT ENCLOSURE SHALL BE LOCATED AS TO PROVIDE CLEAR ACCESS TO GREASE EXHAUST CLEANOUTS.

KEY NOTES

- ① 16x12 EA DN. MIN SLAB OPENING 28x24.
- ② 12x12 EA DN. MIN SLAB OPENING 24x24.
- ③ 12x12 EA DN. MIN SLAB OPENING 24x24.
- ④ 10x10 EA DN. MIN SLAB OPENING 22x22.
- ⑤ 12x10 EA DN. MIN SLAB OPENING 24x22.
- ⑥ 12x12 EA DN. MIN SLAB OPENING 24x24.
- ⑦ 20x14 MUA DN. MIN SLAB OPENING 30x20.
- ⑧ 14x12 MUA DN. MIN SLAB OPENING 24x18.
- ⑨ 14x12 MUA DN. MIN SLAB OPENING 24x18.
- ⑩ 20x16 MUA DN. MIN SLAB OPENING 30x22.
- ⑪ 20x12 MUA DN. MIN SLAB OPENING 30x18.
- ⑫ 20x12 MUA DN. MIN SLAB OPENING 30x18.
- ⑬ 24x14 EA DN. MIN SLAB OPENING 34x20.
- ⑭ 14x14 EA UP/DN. MIN SLAB OPENING 20x20.

FIRE & SMOKE RATING LEGEND

- EXISTING 1HR FIRE BARRIER
- EXISTING 2HR FIRE BARRIER
- NEW 1HR RATED FIRE BARRIER
- NEW 2HR RATED FIRE BARRIER
- EXISTING 1HR RATED SMOKE BARRIER
- EXISTING SMOKE PARTITION
- NEW 1HR RATED SMOKE BARRIER
- NEW SMOKE PARTITION

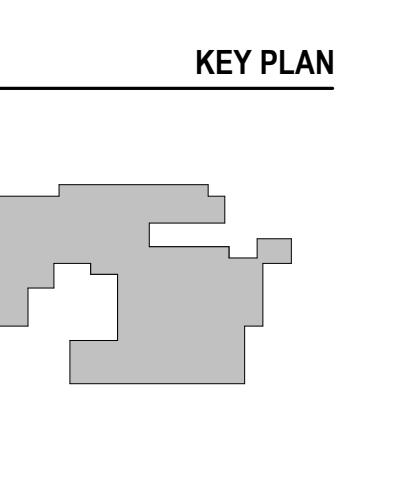
The scope of work for the permit provided is stated as being for the installation of walk-in cooler and freezer. The plans seem to show a much more significant amount of work. Either update the plans and/or the application needed.

(Mechanical Plans and Application)

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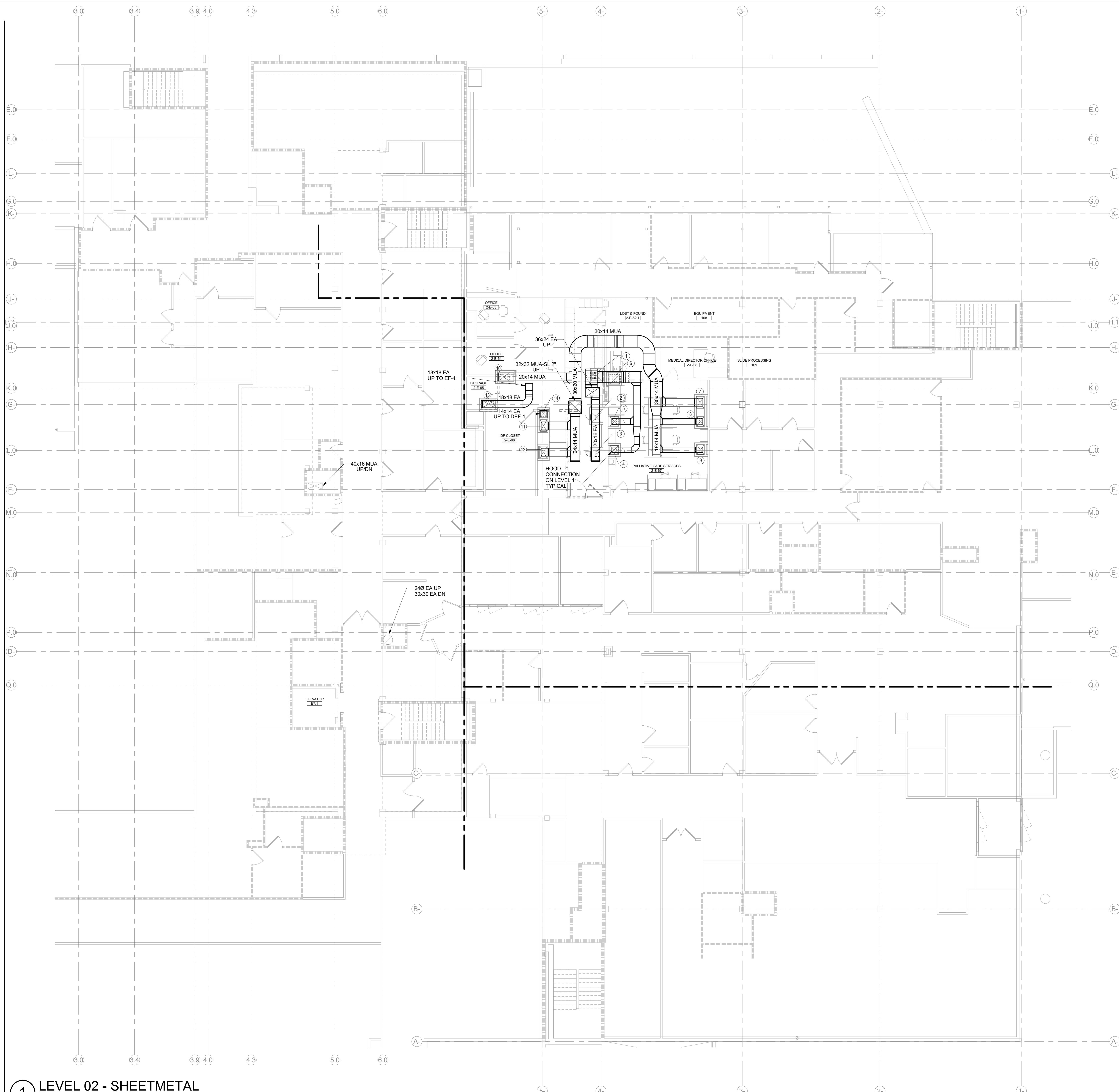
ISSUE CHART

1 Revision #1
2025-x
MARK ISSUE DATE
Job Number 7725-4055
TITLE

LEVEL 02 FLOOR PLAN -
PHASE 1 - MECHANICAL

SHEET NUMBER

TM2.02



SHEET NOTES
1. REFER TO ARCHITECTURAL LIFE SAFETY DRAWINGS FOR WALL DESIGNATIONS AND SMOKE BARRIER INFORMATION. THE INTENT OF THIS DRAWING IS TO SHOW RELATED HVAC DAMPER CHANGES.

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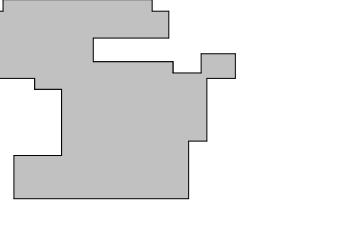
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KEY PLAN



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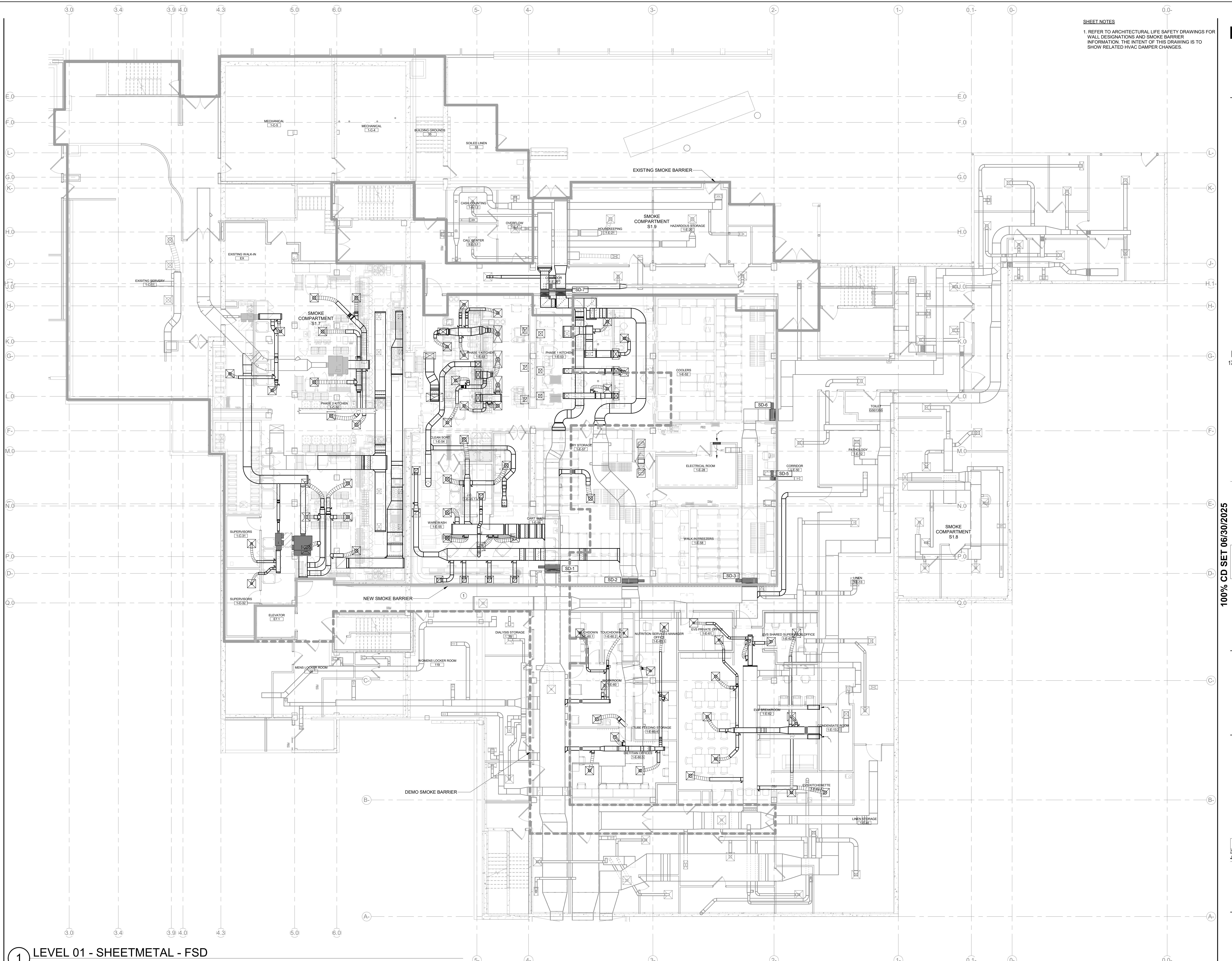
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7725-4055

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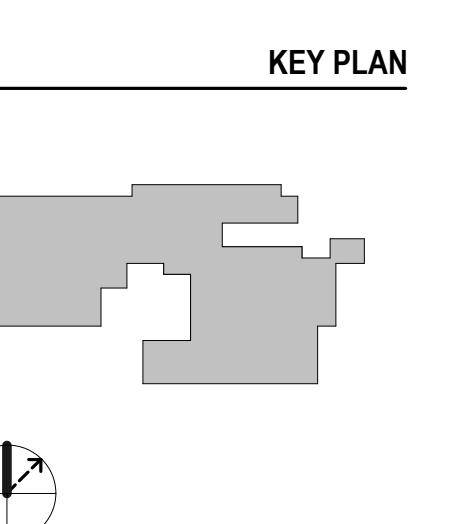
**LEVEL 01 SMOKE
CONTROL FLOOR PLAN
- MECHANICAL**

SHEET NUMBER

TM3.01



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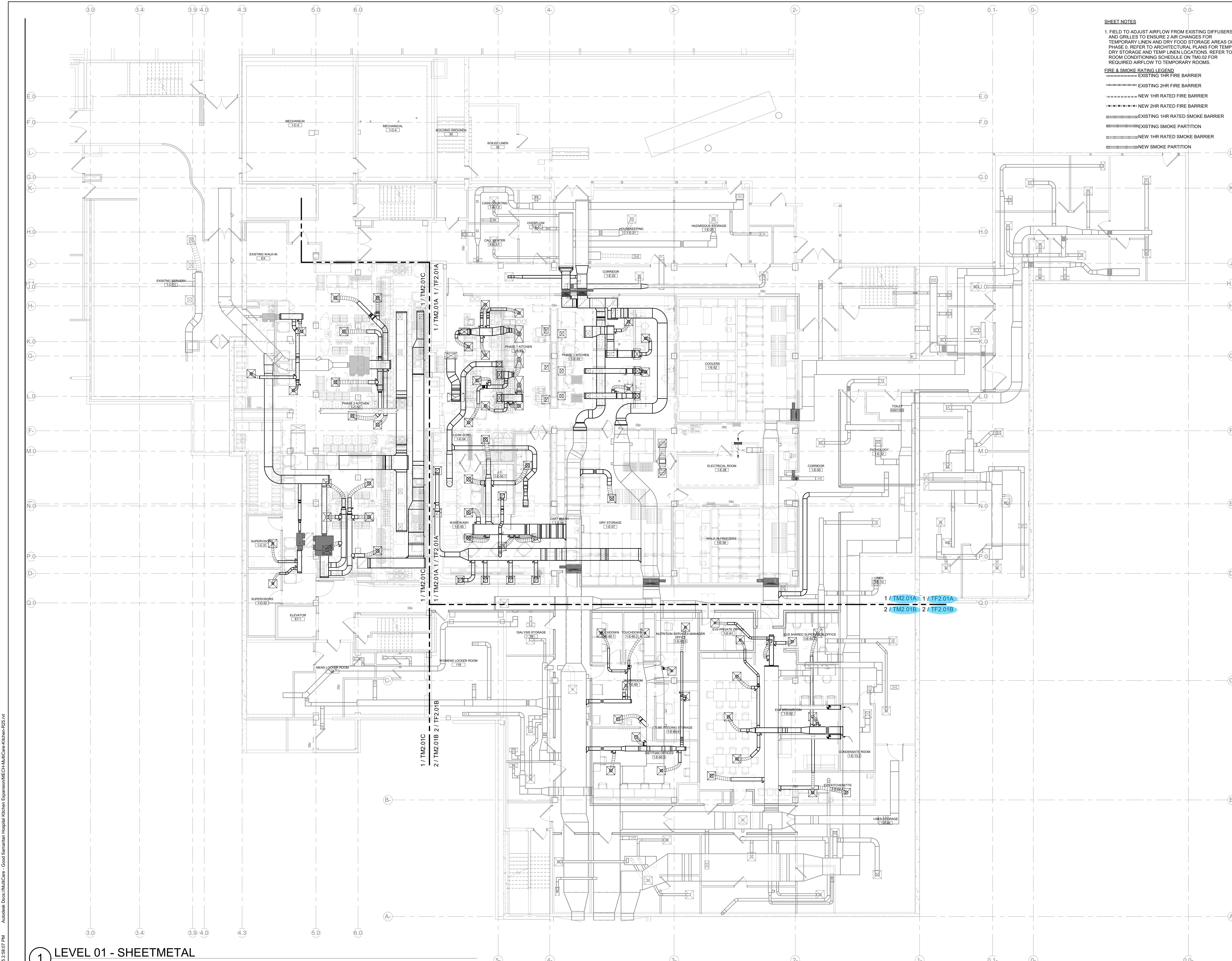
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LEVEL 01 OVERALL
FLOOR PLAN -
MECHANICAL

SHEET NUMBER

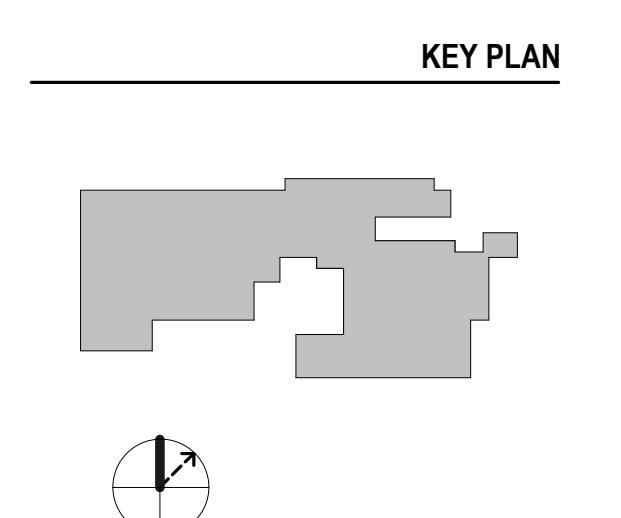
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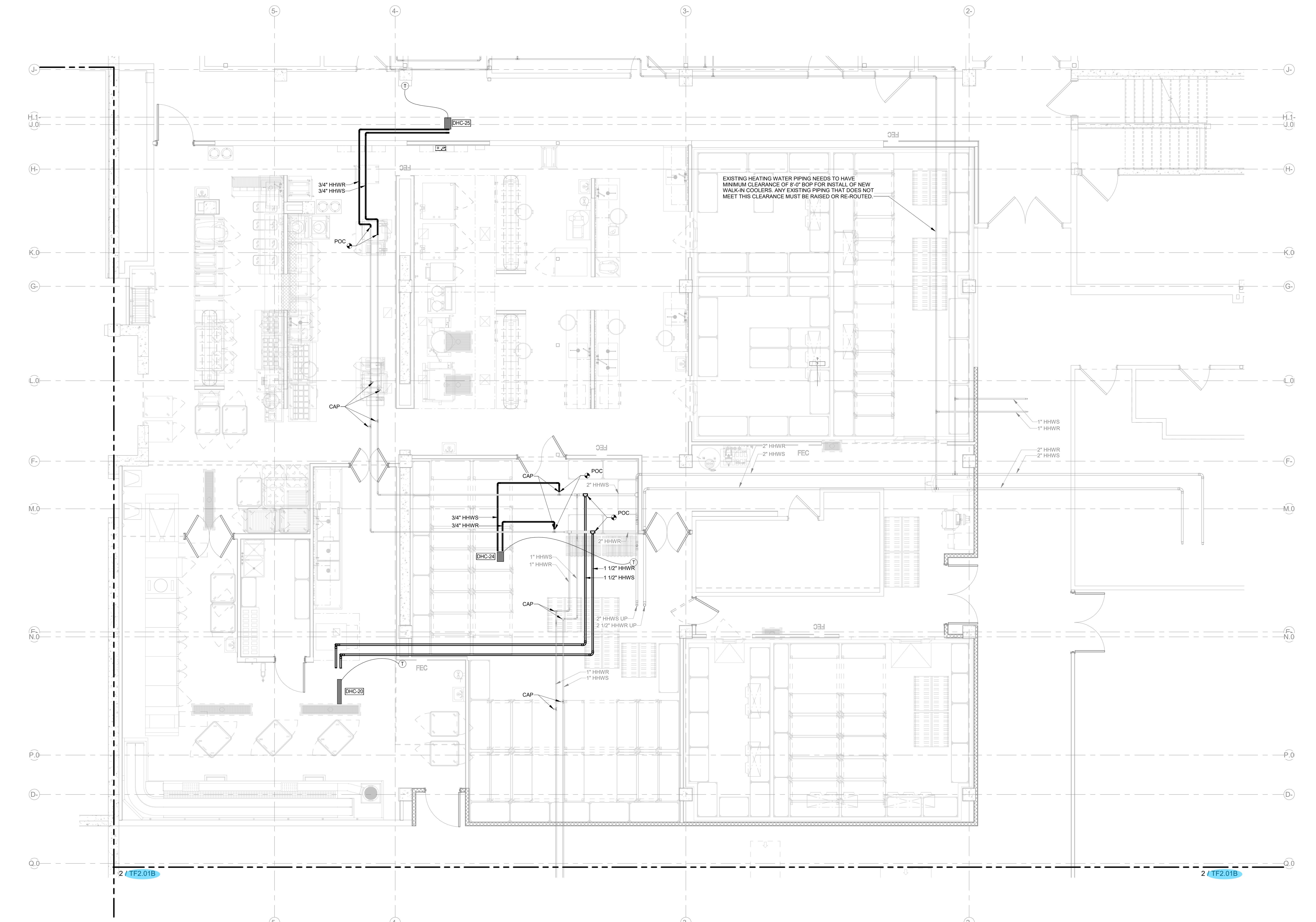


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 LEVEL 01 FLOOR PLAN -
 PHASE 1 AREA A -
 FITTING
 SHEET NUMBER

TF2.01A



1 LEVEL 01 - FITTING - AREA A

SCALE: 1/4" = 1'-0"



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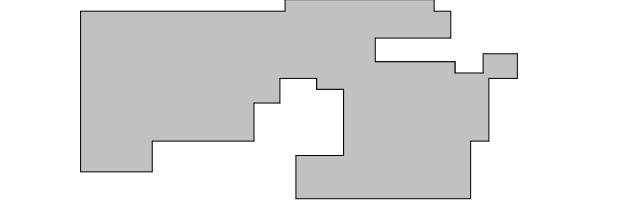
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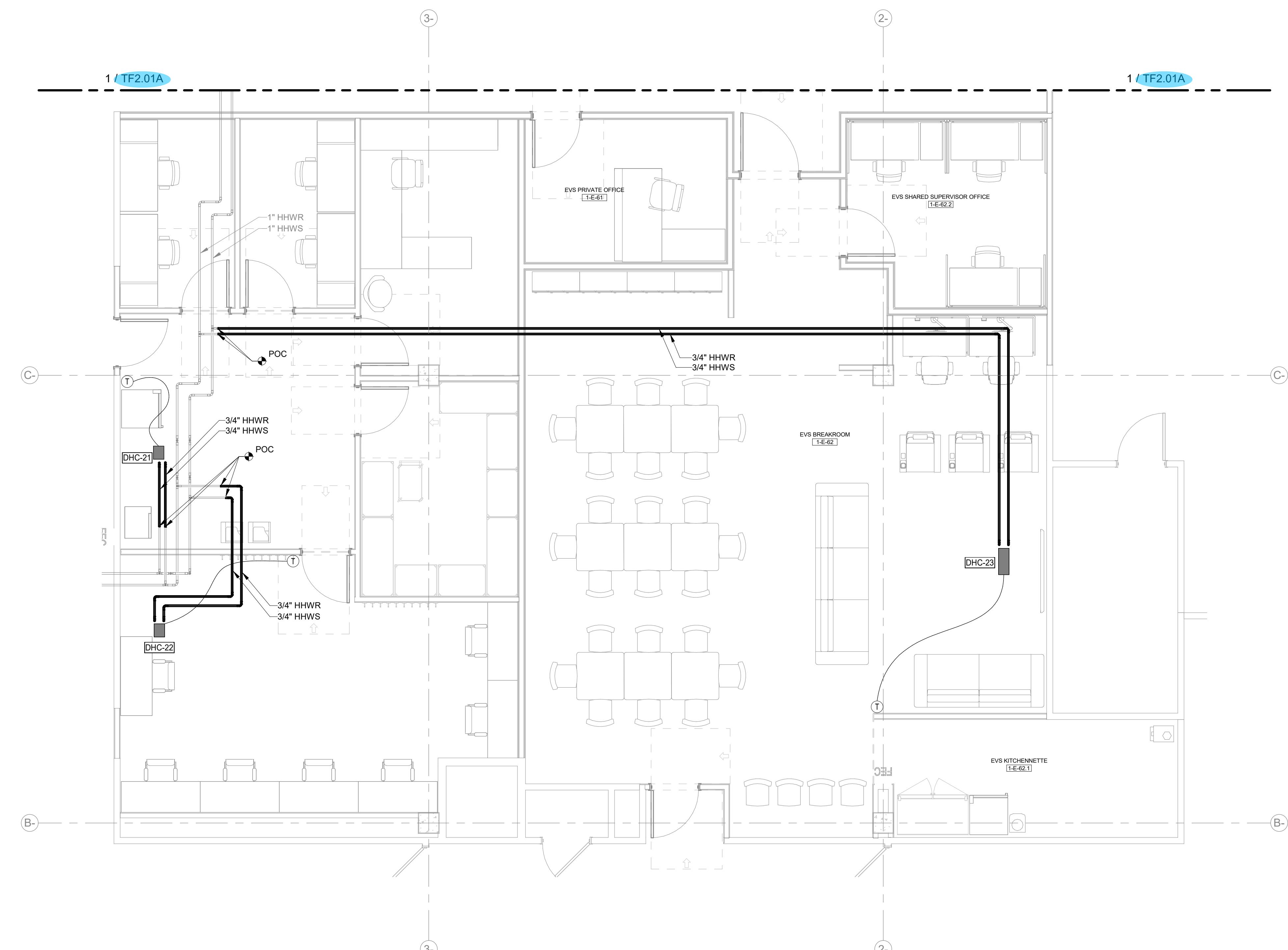
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TITLE

LEVEL 01 FLOOR PLAN -
PHASE 1 AREA B -
FITTING

SHEET NUMBER

TF2.01B

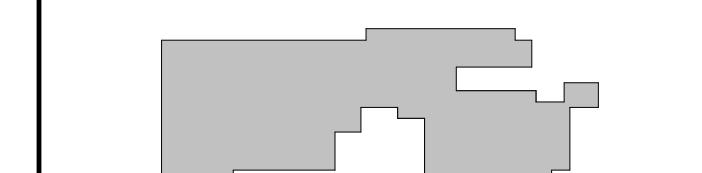


2 LEVEL 01 - FITTING - AREA B
SCALE: 1/4" = 1'-0"

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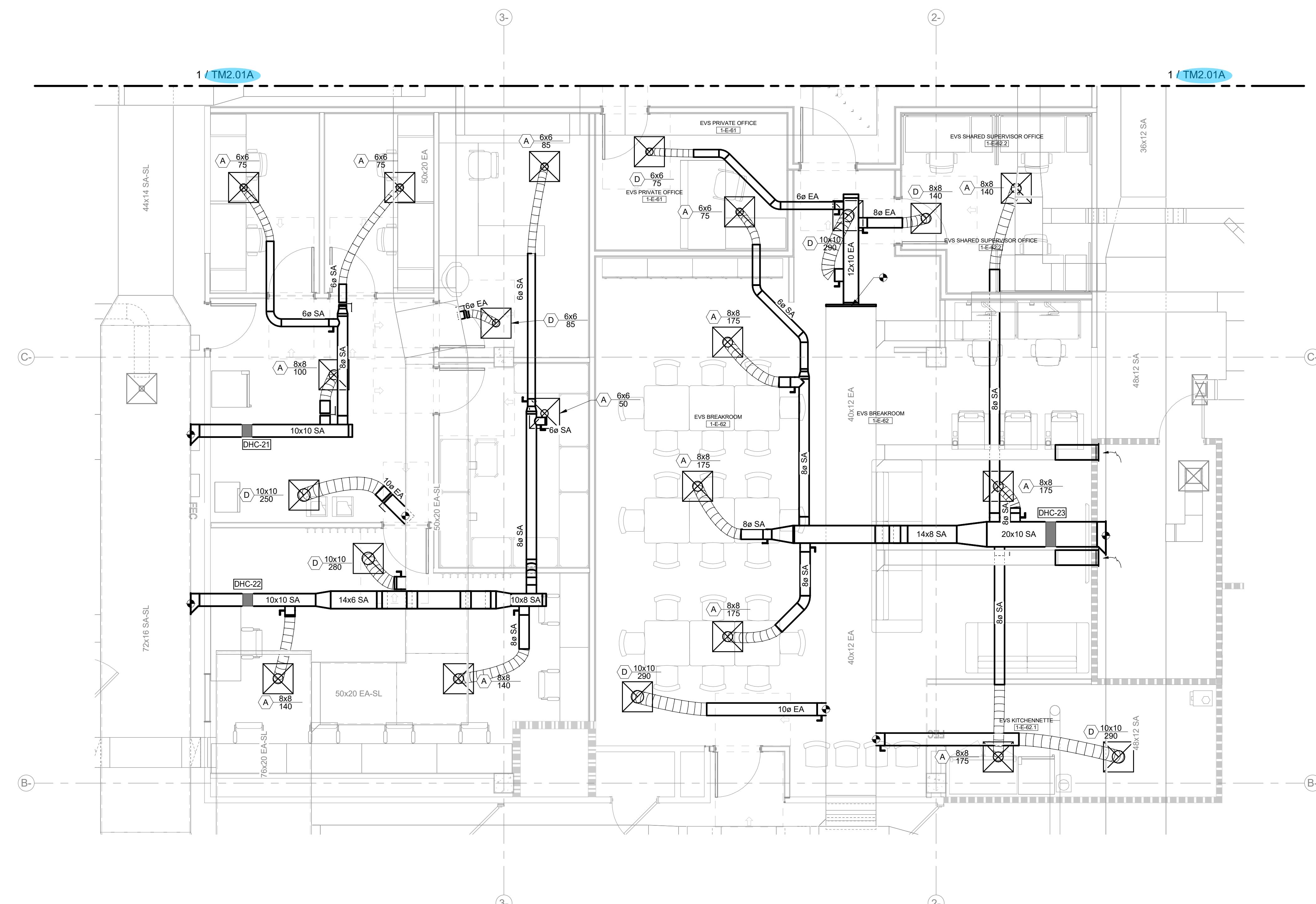
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LEVEL 01 FLOOR PLAN -
PHASE 1 AREA B -
MECHANICAL

SHEET NUMBER

TM2.01B



DAMPER SCHEDULE & LEGEND					
TAG	DESCRIPTION	NOTES	TAG	DESCRIPTION	NOTES
FD-1 1/2	1 1/2 HOUR DYNAMIC FIRE DAMPER, CURTAIN STYLE, VERTICAL OR HORIZONTAL. 165°F FUSIBLE LINK, BLADE IN AIR STREAM, 4000 FPM UP TO 2X24 VERTICAL. 2000 FPM ALL OTHERS. UL555, GREENHECK FD-150 TYPE A OR EQUAL.		SD- S	SMOKE DAMPER. SEE MOTORIZED DAMPER SCHEDULE.	
BDD-BD	BACKDRAFT DAMPER, GREENHECK WD 330 (VERT) OR WD-100 (HORIZONTAL) OR EQUAL.		MD- M	MOTORIZED CONTROL DAMPER, SEE MOTORIZED DAMPER SCHEDULE.	
L	VOLUME DAMPER, SHOP FABRICATED, W/LOCKING QUADRANT.		FSD-1 1/2	1 1/2 HOUR FIRE/SMOKE DAMPER. SEE MOTORIZED DAMPER SCHEDULE.	
RD-1 RD	REMOTE OPERATED VOLUME DAMPER, 2000 FPM, UP TO 1" WG, 9V ACTUATOR TO RJ11 REMOTE CONNECTION. GREENHECK RD-10		FSD-2 3	3 HOUR RATED FIRE DAMPER, SEE MOTORIZED DAMPER SCHEDULE.	
RD-2 RD	REMOTE OPERATED VOLUME DAMPER, 2000 FPM, UP TO 1" WG, 9V ACTUATOR TO RJ11 REMOTE CONNECTION. GREENHECK RD-10				
NOTES					

MOTORIZED DAMPER SCHEDULE										
UNIT NO.	MFR. & MODEL NO.	MOUNTING	POSITION	FIRE	LEAKAGE	ACTUATOR	TYPE	CONTROL	BY	NOTES
SD-1	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1	
SD-2	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1	
SD-3	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1	
SD-4	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1	
SD-5	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1	
SD-6	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1	
SD-7	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1	
SD-8	GREENHECK SMD-201	VERT	-	-	CLOSE	120V/1	2 POSITION	EC	1	
MD-1	GREENHECK VCD-23	VERT	-	-	IN-PLACE	24V	2 POSITION	CC	2	

DIFFUSER/GRILLE SCHEDULE					
SYMBOL	MANUFACTURER & MODEL NUMBER	SIZE	TYPE	NOTES	
A SIZE CM	TITUS MCD-3	AS NOTED	T-BAR MOUNT MODULAR CORE DIFFUSER	BORDER TYPE 3, WHITE FINISH	
B SIZE CMF	TITUS MCD-1	AS NOTED	SURFACE MOUNT MOD CORE DIFFUSER	BORDER TYPE 1, WHITE FINISH	
C SIZE CMF	TITUS 350RL	AS NOTED	SURFACE MOUNT RET/EXH GRILLE	BORDER TYPE 1, WHITE FINISH	
D SIZE CMF	TITUS 50F	AS NOTED	T-BAR LAY-IN EGGRATE (RETURN/EXH)	BORDER TYPE 3, WHITE FINISH	
E SIZE CMF	HALTON KCD	AS NOTED	T-BAR MOUNT KITCHEN CEILING DIFFUSER		

DUCTWORK SCHEDULE					
SERVICE / USAGE	LOCATION	MATERIAL	WORKING PRESSURE (IN. WC)	SMACNA PRESSURE CLASS (IN. WC)	SMACNA SEAL CLASS
MEDIUM PRESSURE SUPPLY AIR	BETWEEN AHU AND TERMINAL UNITS	GALV. STEEL	2.5		1
LOW PRESSURE SUPPLY AIR	FROM TERMINAL/COIL UNITS TO GRD'S	GALV. STEEL	1	2	B
FLEXIBLE DUCT	CONN TO GRD'S	PREINSUL. FLEX	0.5	RATED 46"-1"	NA
RETURN AIR	FROM GRD'S TO AHU & FCU'S	GALV. STEEL	1	2	B
TRANSFER AIR	FROM GRD TO GRD	GALV. STEEL	0.05	1	B
GENERAL EXHAUST	FROM GRD TO FAN AND AMBIENT	GALV. STEEL	-1	-2	B
GREASE EXHAUST	FROM HOOD TO FAN	16 GA WELDED STL	-2	-4	A
DISHWASHER & POTWASH EXHAUST	FROM HOOD TO FAN	STAINLESS STEEL	-1	-2	A

DUCTWORK INSULATION SCHEDULE					
SERVICE	LOCATION	INSULATION TYPE	THICKNESS	R-VALUE	NOTES
OUTDOOR AIR > 2800 CFM	CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	WRAP	6"	R-16	9
OUTDOOR AIR > 2800 CFM	CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER	WRAP	3"	R-8	9
OUTDOOR AIR < 2800 CFM	CONDITIONED SPACE	WRAP	3"	R-7	9
SUPPLY OR RETURN AIR	OUTSIDE OF THE BUILDING	LINING	2"	R-8	10,11
SUPPLY OR RETURN AIR	UNCONDITIONED SPACE OUTSIDE OF THE CONDITIONED BUILDING ENVELOPE	LINING OR WRAP	2"	R-6	10
SUPPLY OR RETURN AIR	UNCONDITIONED SPACE AND CONVEYING AIR WITHIN 15 DEG F OF SPACE TEMPERATURE (I.E. 50°F IN WINTER, 90°F IN SUMMER)	WRAP	1"	R-3.3	9
SUPPLY AIR	CONDITIONED SPACE AND CONVEYING AIR LESS THAN 50°F OR GREATER THAN 105°F	WRAP	1"	R-3.3	9
SUPPLY AIR	CONDITIONED SPACE AND CONVEYING AIR BETWEEN 55°F AND 105°F	NONE	NONE	NONE	
RETURN, RELIEF OR EXHAUST AIR	CONDITIONED SPACE, DOWNSTREAM OF ENERGY RECOVERY AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER	WRAP	3"	R-8	9
RETURN, RELIEF OR EXHAUST AIR	CONDITIONED SPACE, DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER	WRAP	6"	R-16	9
EXHAUST AIR	CONDITIONED SPACE, UPSTREAM OF ENERGY RECOVERY DEVICE OR AUTOMATIC SHUTOFF	NONE	NONE	NONE	
EXHAUST AIR	UNCONDITIONED SPACE OUTSIDE OF THE CONDITIONED BUILDING ENVELOPE, UPSTREAM OF ENERGY RECOVERY DEVICE	LINING OR WRAP	2"	R-6	10
EXHAUST AIR	OUTSIDE OF THE BUILDING, UPSTREAM OF ENERGY RECOVERY DEVICE	LINING	2"	R-8	10,11

NOTES:

1. SHEET METAL GAUGES AND FITTINGS PER SMACNA AND MACDONALD-MILLER DUCT CONSTRUCTION STANDARDS.
2. THERM-A-FLEX "GFM" OR EQUAL, WITH 12 FOOT MAXIMUM LENGTH.
3. INSTALL PER MFG. GUIDELINES AND INSTRUCTIONS.
4. UL 300 HOOD TO BE PROVIDED IN KITCHEN BY KITCHEN CONSULTANT. DUCTWORK SPRINKLERS NOT REQUIRED.
5. SLOPE AT 1/4" PER FOOT BACK TO SOURCE.
6. SEAMS TO BE CAULKED OR WELDED TO PREVENT CONDENSATION FROM LEAKING THROUGH.
7. INSULATE ONLY SINGLE WALL METAL DUCT IN ACCESSIBLE LOCATIONS UP TO 7' AFF.
8. DUCT SYSTEMS GREATER THAN 3" WC SHALL BE LEAK TESTED IN ACCORDANCE WITH WSEC C403.10.2.3
9. WRAP INSULATION WEIGHT = 0.75 PCF
10. WRAP INSULATION WEIGHT = 1 PCF
11. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE INCLUDING THAT DUE TO SUNLIGHT, MOISTURE, EQUIPMENT MAINTENANCE AND WIND, AND SHALL PROVIDE SHIELDING FROM SOLAR RADIATION THAT CAN CAUSE DEGRADATION OF THE MATERIAL.

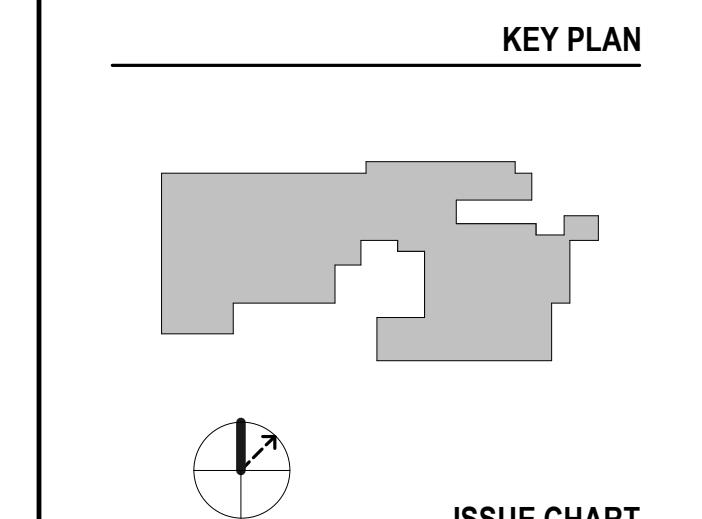
GENERAL NOTES:

- INSULATION THICKNESS SHOWN ABOVE IS EQUAL TO TOTAL MINIMUM REQUIRED R-VALUE. ALTERNATE INSULATION WITH EQUAL R-VALUE IS ALLOWED.
- ALL CONCEALED DUCTWORK TO BE PER MMFS EXPOSURE 0 (SEALANT, LABELS AND OTHER ITEMS VISIBLE ON OUTSIDE OF DUCTWORK. MAY HAVE SCRATCHES AND MINOR DENTS).
- ALL EXTERIOR EXPOSED DUCTWORK WITHIN OCCUPIED AREAS TO BE PER MMFS EXPOSURE 1 (NO VISIBLE SEALANT, LABELS, DENTS OR WRITING. EXTERIOR WELDS CLEARED AND PAINTED).

MECHANICAL GENERAL ABBREVIATIONS					
ABBR	FULL NAME	ABBR	FULL NAME	ABBR	FULL NAME
ACD	AIR CONDITIONING UNIT	FCU	FAN COIL UNIT	NOM	NOMINALLY OPEN
AF	ABOVE FINISHED FLOOR	FD	FIRE DAMPER	NTS</	

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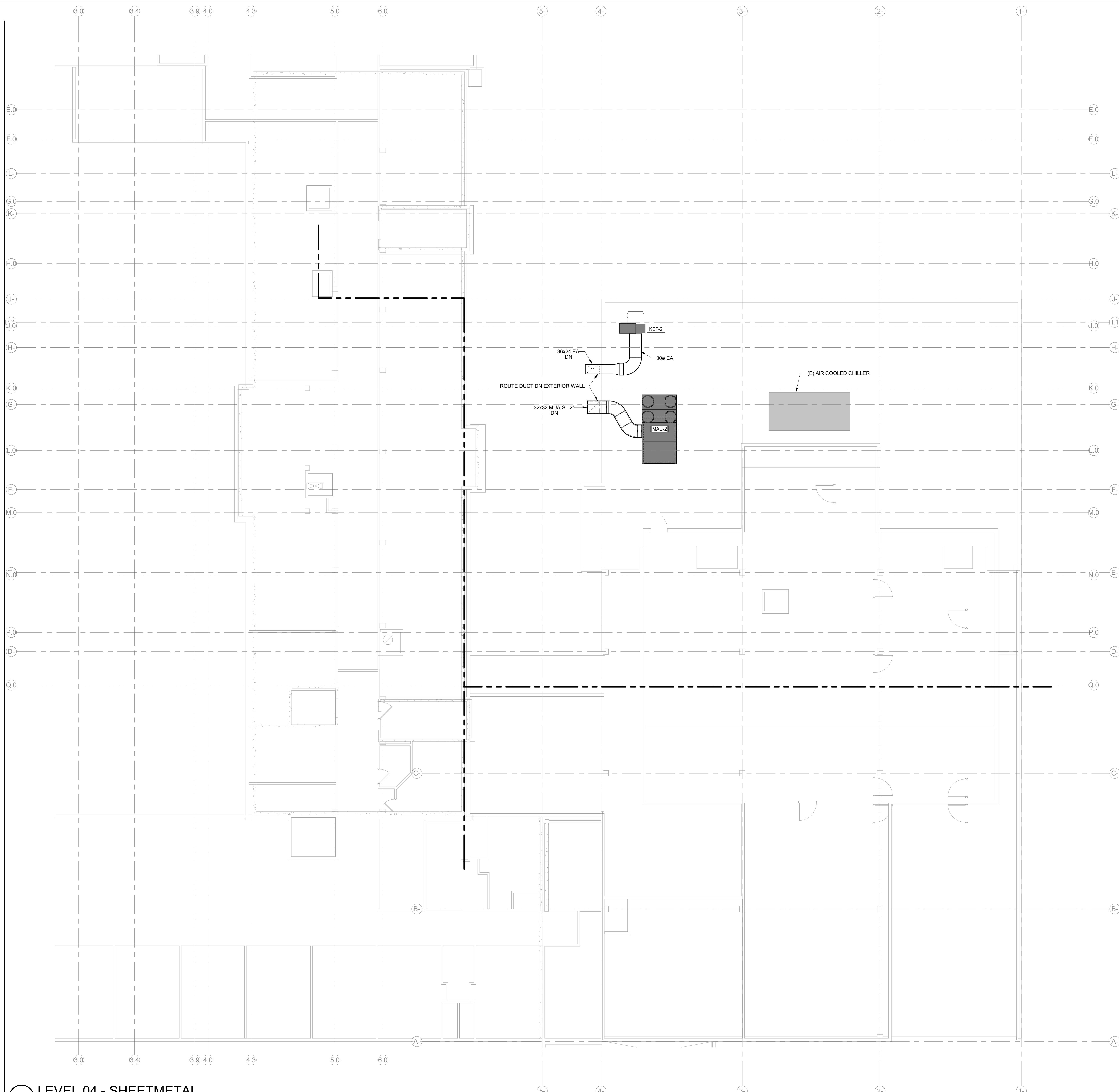
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Job Number 7725-4055
TITLE

LEVEL 04 FLOOR PLAN -
PHASE 1 - MECHANICAL

SHEET NUMBER

TM2.04

100% CD SET 06/30/2025



KEY NOTES
 ① EXISTING DISHWASHER EXHAUST FAN TO BE
 DEMOLISHED AFTER THE COMPLETION OF PHASE 1

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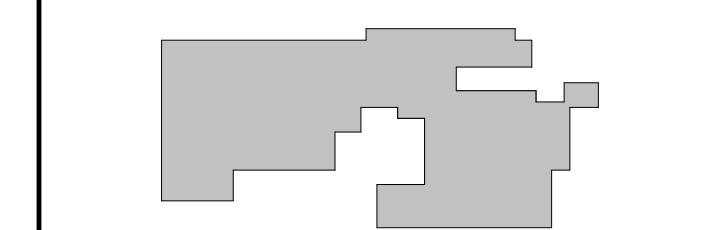


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KEY PLAN



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**LEVEL 03 FLOOR PLAN -
 PHASE 1 - MECHANICAL**

SHEET NUMBER

TM2.03



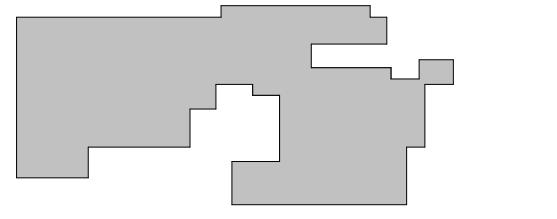


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KEY PLAN



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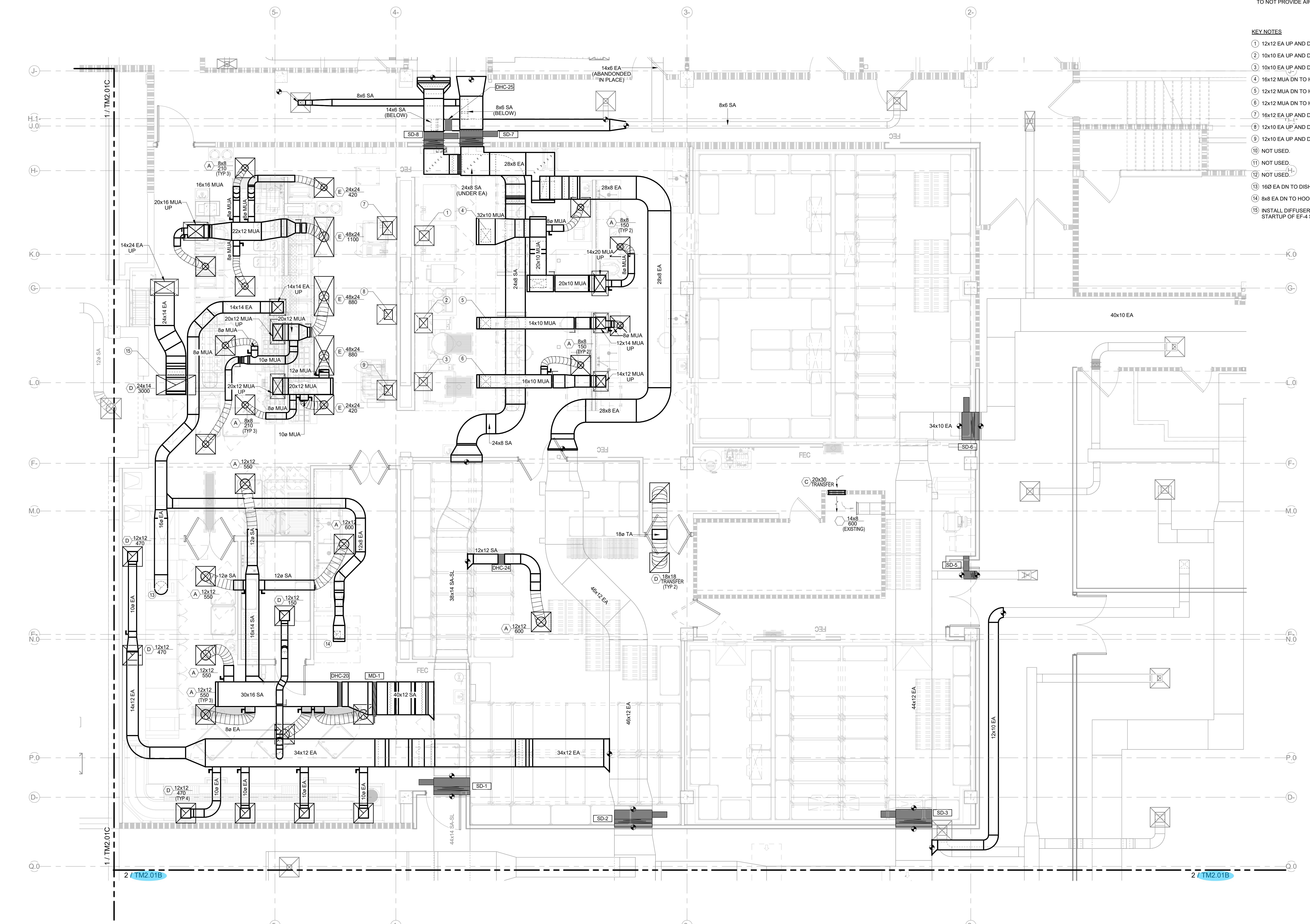
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LEVEL 01 FLOOR PLAN -
PHASE 1 AREA A -
MECHANICAL

SHEET NUMBER

TM2.01A

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1 LEVEL 01 - SHEETMETAL - AREA A

SCALE: 1/4" = 1'-0"

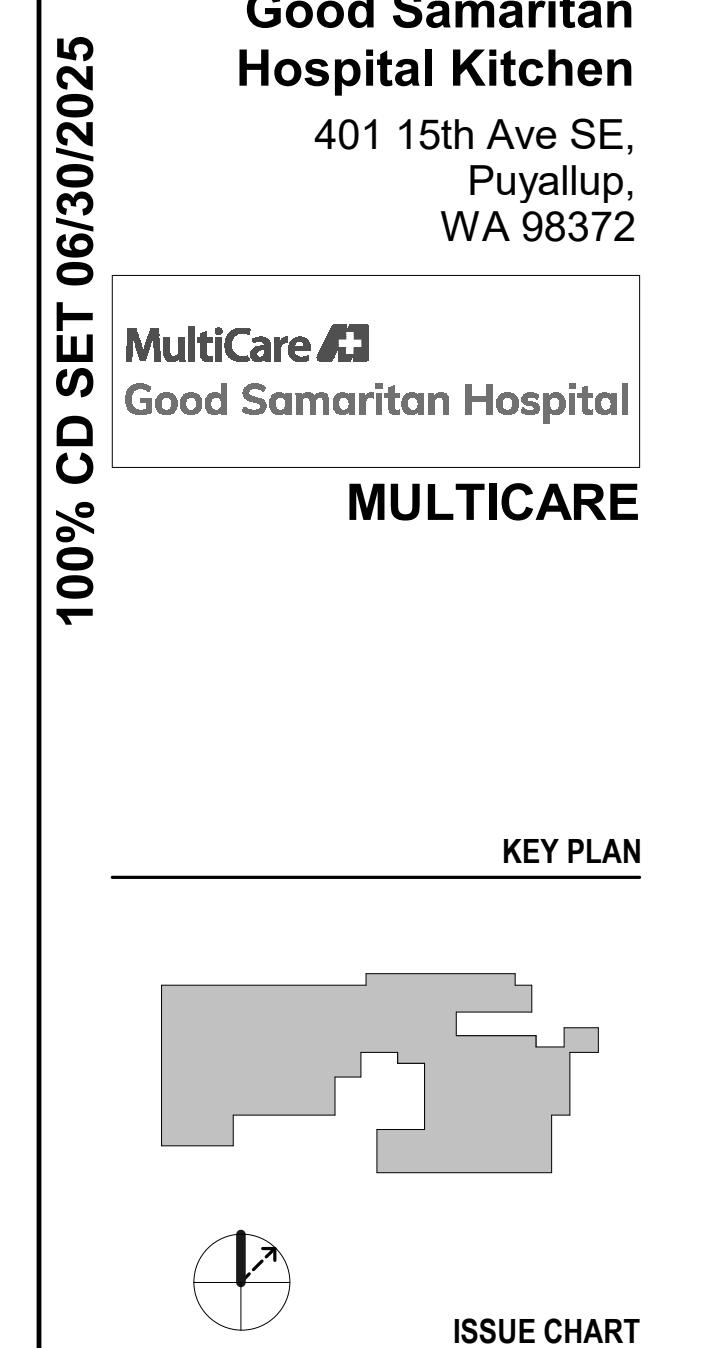
SHEET NOTES
1. RELOCATE EXISTING THERMOSTATS AS SHOWN FOR TERMINAL UNITS FTU-101, 102 AND 103.

KEY NOTES
 ① 13x12 EA DN TO HOOD. BALANCE TO 1936 CFM.
 ② 12x10 EA DN TO HOOD. BALANCE TO 1404 CFM.
 ③ 12x10 EA DN TO HOOD. BALANCE TO 1431 CFM.
 ④ 13x12 EA DN TO HOOD. BALANCE TO 1936 CFM.
 ⑤ 18x12 MUA DN TO HOOD. BALANCE TO 510 CFM.
 ⑥ 14x12 MUA DN TO HOOD. BALANCE TO 510 CFM.
 ⑦ 14x12 MUA DN TO HOOD. BALANCE TO 510 CFM.
 ⑧ 18x12 MUA DN TO HOOD. BALANCE TO 510 CFM.
 ⑨ ROOM PRESSURE SENSOR FOR CONTROL OF EF-4 VFD.

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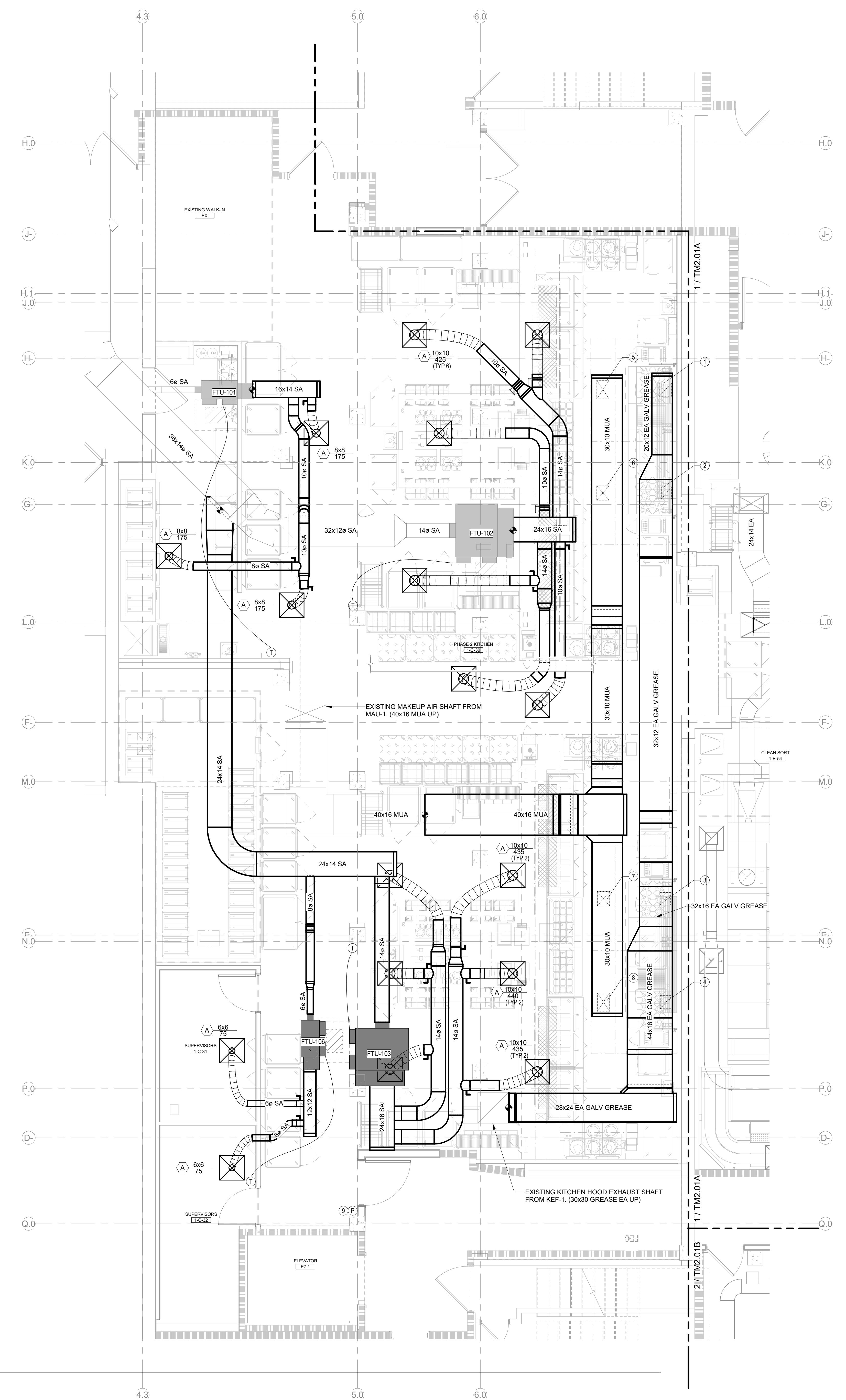


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LEVEL 01 FLOOR PLAN -
PHASE 2 AREA C -
MECHANICAL

SHEET NUMBER

TM2.01C



1 LEVEL 01 - SHEETMETAL - AREA C

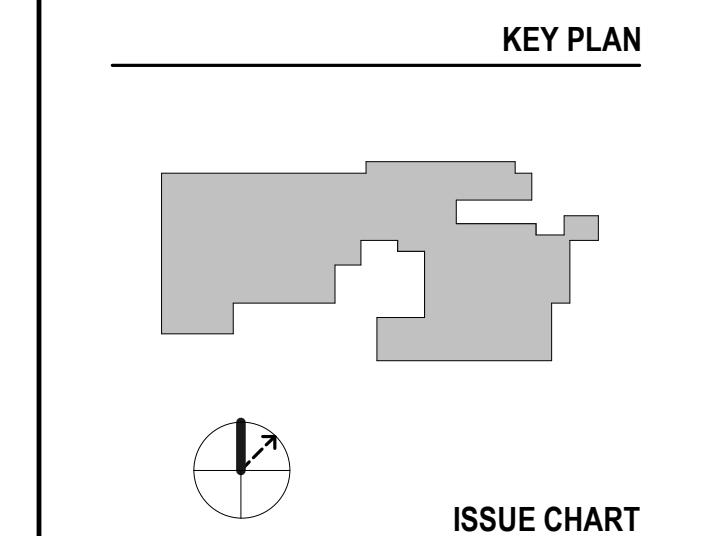
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LEVEL 05 FLOOR PLAN -
PHASE 2 - MECHANICAL

SHEET NUMBER

TM2.05

