

Addendum # 02.2 Date: 13 December 2024

PROJECT:

McKay Dee Hospital Cath Lab 4 Replacement 4401 Harrison Blvd. Ogden, UT 84403

OWNER:

Intermountain Healthcare
Kurt Wilson, Construction Project Manager
801-387-2800

ARCHITECT:

Method Studio 360 W Aspen Ave. Salt Lake City, UT 84101 801-532-4422

This Addendum forms a part of the Contract Documents and modifies the original contract documents. Receipt of this Addendum must be acknowledged by the Contractor and Owner.

Mechanical Clarifications:

- 1) I noticed on the M sheets we are moving a FSD. There are no notes indicating work on fire alarm system associated with the FSD. Can that be added to the drawings?
 - a) The fire damper no longer needs to be moved. Remove from scope.
- 2) At the pre bid Kurt said he didn't think we were going to do the pre-action system for the fire sprinklers. He said there had been conversation about that. Can you confirm? If we are do we know where the riser will go?
 - a) A Pre-action system is not desired by the owner for this project. Remove from scope.
- 3) In addition to this question, there is no fire alarm shown for the new pre-action riser. Would there be severally devices that require monitoring being added?
 - a) See response to item #2.
- 4) Another item I'm wonder is about the existing 22"x14" duct. Is it going to conflict with all the new booms and the angle supports?
 - a) Please see updated mechanical and structural drawings
 - b) The existing duct work will need to be moved so that we can get approximately 18" away from the east wall. This will allow me to provide a equipment mount that can wrap around the duct work and still support the equipment below the duct work, see sketch detail SK1.1 enclosed for the necessary information.
- 5) The plans call to add an additional gas to the alarm panel serving the cath lab. It's a Beacon Medas Total Alert 2 alarm, which is a discontinued alarm panel. The only option is to retro fit an entire new alarm panel in its place. It may be too late to ask question of the engineer, but if you can, this would be a good one to address or it will be a change order that will affect every zone monitored by that alarm.
 - a) Please see updated mechanical drawings and schedule.
- 6) I have spoken with 2 different certifiers and have confirmed Beacon Total Alert 2 alarm panels and retrofit parts are no longer available so upgrading the existing alarm panel IS NOT an option, it will have to be completely changed.
 - a) Please see updated mechanical drawings and schedule.

method studio

END OF ADDENDUM – 02.2

Page 2 of 2 360 West Aspen Ave. Salt Lake City, Utah 84101 method-studio.com 801.532.4422



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Mechanical Addendum #2

Date: December 13, 2024

To: Venisse Sitjar From: Alex Boswell

Company: Method Studios Email: <u>Alex.Boswell@speceng.com</u>

Re:

Job: IH MKD Hospital Cath Lab 4 Phone: 801-401-8460

Job No: 240414

Cc:

This Addendum shall be considered part of the Contract Documents and Project Manual for the above mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents and Project Manual, the Addendum shall govern and take precedence.

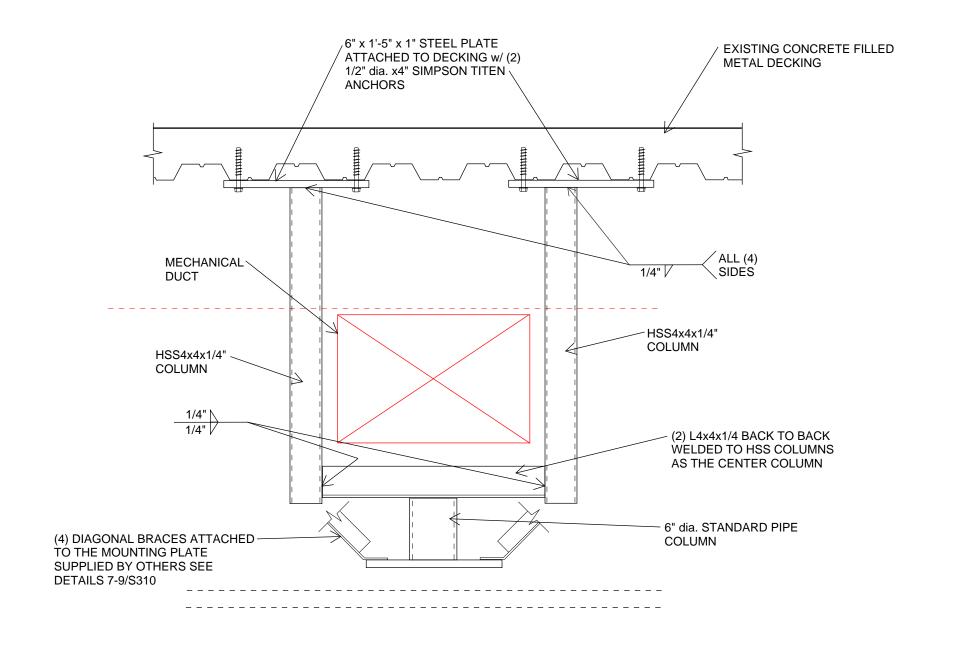
Mechanical Addendum

Drawings

- 1. MD103 LEVEL 3 MECHANICAL DEMOLITION PLAN
 - a. Remove existing ductwork for new structural supports
- M103 LEVEL 3 MECHANICAL PLAN
 - a. Install ductwork to work around structural supports
 - b. Provide pressure monitor per code comments
 - c. Provide additional laminar flow diffuser per code comments
- 3. M601- MECHANICAL SCHEDULES
 - a. Scheduling for laminar flow diffuser
- 4. PD103 LEVEL 3 PLUMBING DEMOLITION PLAN
 - a. Demolish existing medical gas alarm panel
- 5. P104 LEVEL 3 PLUMBING PLAN MED GAS
 - a. Replace existing medical gas alarm panel per information provided by contractor.

END OF ADDENDUM

Attachments < MD103, M103, M601, PD103, PD104>





PROJECT:_	MKD - CATH LAB #4
SUBJECT:_	EQUIPMENT FRAME - AT MECHANICAL DUCTS
SCALE:_	AS SHOWN
DATE:	DECEMBER 13, 2024

SHEET NO.

SK1.1

○ SHEET KEYNOTES

- REMOVE EXISTING BRANCH BACK TO MAIN. CAP AND SEAL.
- REMOVE EXISTING DUCTWORK AND RETURN GRILLE.
- REMOVE EXISTING DUCTWORK TO THIS LOCATION. SEE NEW CONSTRUCTION PLANS FOR NEW CONNECTION.
- 4 DEMOLISH EXISTING DUCTWORK.

MECHANICAL GENERAL NOTES

- THIS CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING
- STRUCTURE. 2. ALL SUPPLY AND RETURN DUCTWORK TO BE EXTERNALLY WRAPPED
- WITH INSULATION WITH AN R-VALUE OF R-6. ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS. 4. PROVIDE BALANCING DAMPER WITH LOCKING QUADRANT IN EACH DUCT
- BRANCH OF SUPPLY AND EXHAUST DUCTWORK. PROVIDE REMOTE CABLE OPERATED DAMPER SYSTEM FOR ALL DUCTWORK ABOVE HARD LID CEILINGS OR WHERE DAMPER IS INACCESSIBLE OR PROVIDE OPPOSED BLADE DAMPER WITH NYLON
- BUSHINGS AT GRILLE. PROVIDE ACCESS DOORS FOR ALL SERVICEABLE EQUIPMENT OR VALVES ABOVE HARD LID CEILINGS OR IN WALLS. ALL ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT SURFACES.
- GC TO HIRE NEBB OR AABC CERTIFIED THIRD PARTY TEST AND BALANCE (TAB) CONTRACTOR. TAB CONTRACTOR SHALL ADJUST SHEAVES, BELTS, DAMPERS, ETC AS NECESSARY TO BALANCE SYSTEM TO AIRFLOWS REQUIRED AT LOWEST POSSIBLE SPEEDS. TAB CONTRACTOR SHALL VERIFY THE OUTSIDE AIR AT EACH RTU IS AS SCHEDULED. FOLLOW PROCEDURES AS LAID FORTH IN THE CURRENT VERSION OF "PROCEDURAL STANDARDS FOR TESTING ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS" BY NEBB. PROVIDE REPORT ON NEBB FORMS TO ENGINEER FOR REVIEW.
- 8. THIS PROJECT WILL REQUIRE AFTER HOURS AND WEEKEND WORK TO RUN PIPING/DUCTWORK OR MODIFY SYSTEMS IN OR AFFECTING OCCUPIED SPACES. COORDINATE ALL SHUTDOWNS 72 HOURS IN
- ADVANCE WITH OWNER. THIS CONTRACTOR SHALL ENGAGE A FIRE PROTECTION DESIGN BUILD CONTRACTOR TO MODIFY THE EXISTING FIRE SPRINKLER SYSTEM. DESIGNER SHALL BE NICET LEVEL III TECHNICIAN. WORKING PLANS AND CALCULATIONS SHALL BE PREPARED ACCORDING TO NFPA 13, AND BE APPROVED BY AUTHORITIES HAVING JURISDICTION, INCLUDING
- HYDRAULIC CALCULATIONS IF APPLICABLE. 10. PROVIDE TEMPORARY NEGATIVE PRESSURE UNIT DURING CONSTRUCTION. COORDINATE LOCATION WITH OWNER.
- 11. CONTROLS TO MATCH EXISTING ### CONTROLS. TIE INTO EXISTING ### CONTROLS DDC SYSTEM AND UPDATED GRAPHICS. PROVIDE ENGINEER WITH 2 WEEKS OF TRENDS SHOWING PROPER OPERATION OF EQUIPMENT UPON COMPLETION OF PROJECT. TRENDING DATA SHALL INCLUDE THE FOLLOWING DATA AT A MINIMUM: SPACE TEMPERATURE, SPACE SET POINT, HEATING OR COOLING MODE, AIR FLOW (FOR VAV SYSTEMS), & VALVE POSITION (FOR VAV SYSTEMS). SEE SEQUENCE OF OPERATIONS AND CONTROLS REQUIREMENTS ON SCHEDULE SHEET/SPECIFICATIONS.
- 12. COORDINATE EXACT THERMOSTAT LOCATIONS WITH FURNITURE AND OWNER. FAILURE TO DO SO MAY REQUIRE MOVING THERMOSTATS AT CONTRACTORS COST. 13. CONTRACTOR SHALL FIELD VERIFY EXISTING FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATING. ADDITIONAL COST WILL NOT BE
- ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS. 14. PROVIDE FACTORY AUTHORIZED STARTUP OF ALL EQUIPMENT INCLUDING STARTUP OF ANY FACTORY CONTROLS TO ENSURE PROPER SEQUENCING AND/OR COMMUNICATION TO BMS.
- 15. PROVIDE OPERATION AND MAINTENANCE MANUALS (O&M) WITHIN 30 DAYS OF CERTIFICATE OF OCCUPANCY FOR ALL EQUIPMENT IN DIGITAL FORMAT TO ENGINEER FOR REVIEW. O&M'S SHALL INCLUDE DOCUMENTATION OF ALL WARRANTIES, REPORTS AND TESTS, RECORD DRAWINGS, CONTROLS SEQUENCE OF OPERATIONS WITH DIAGRAMS, & EQUIPMENT INFORMATION. EQUIPMENT INFORMATION INCLUDES MAKE & MODEL, WIRING, PIPING, STARTUP, SHUTDOWN, TROUBLE
- REPORT AND MAINTENANCE PROCEDURES. 16. WHERE JURISDICTION REQUIRES, CONTRACTOR IS RESPONSIBLE FOR PROVIDING SEISMIC RESTRAINT AND SUPPORT ENGINEERED BY A LICENSED STRUCTURAL ENGINEER. PROVIDE DESIGN DRAWINGS TO AUTHORITY HAVING JURISDICTION AND MECHANICAL ENGINEER FOR REVIEW.

SHOOTING SYSTEM BALANCING REPORT, FINAL COMMISSIONING

17. MECHANICAL PIPING SCHEDULE: A. HYDRONIC PIPING 3" AND UNDER = TYPE L COPPER - BRAZED JOINTS



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project:

McKay Dee Cath Lab 4 Replacement

McKay Dee Hospital 4401 Harrison Blvd Ogden, UT 84403

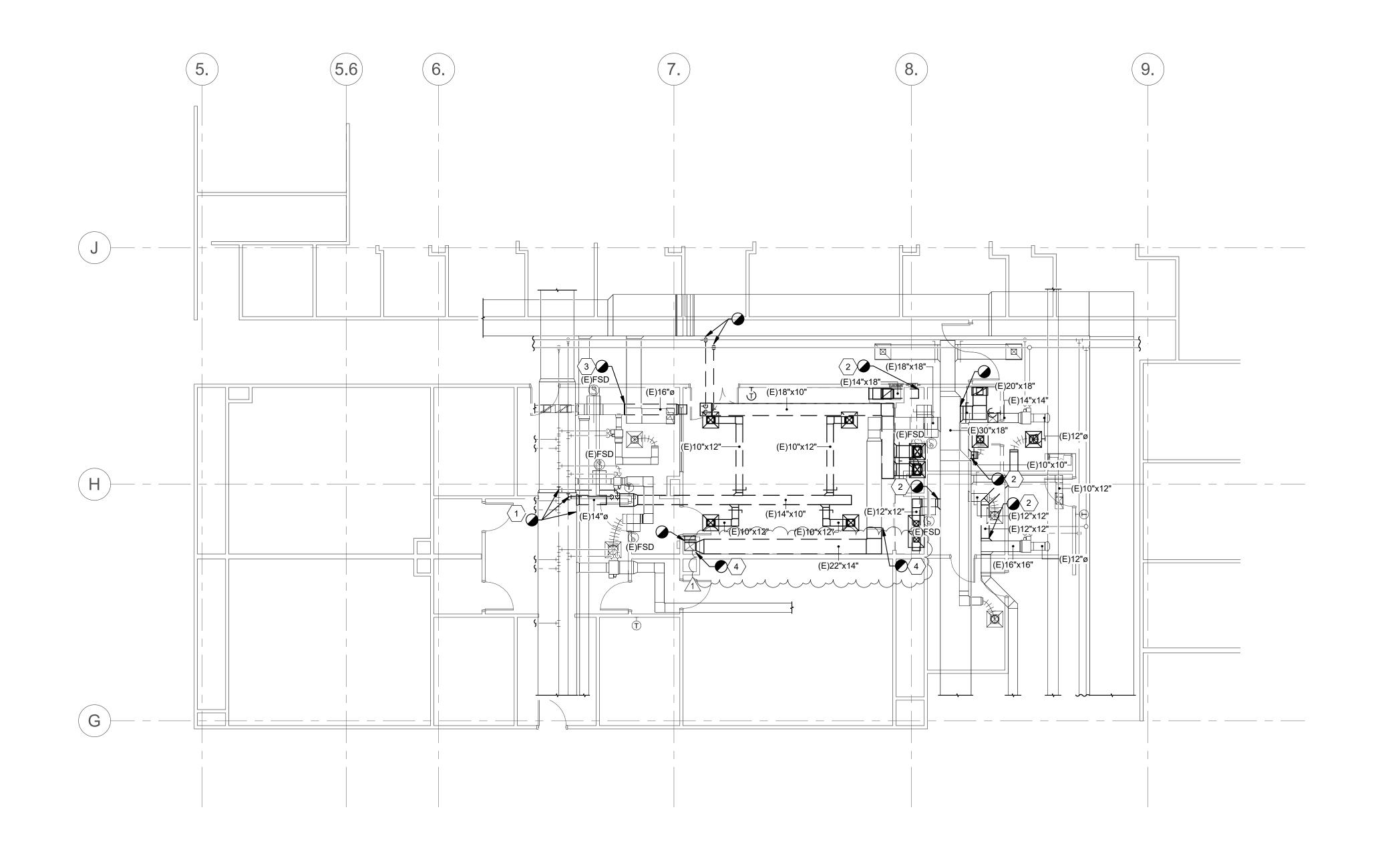
project#: 24.0310 date: SEPT 27, 2024

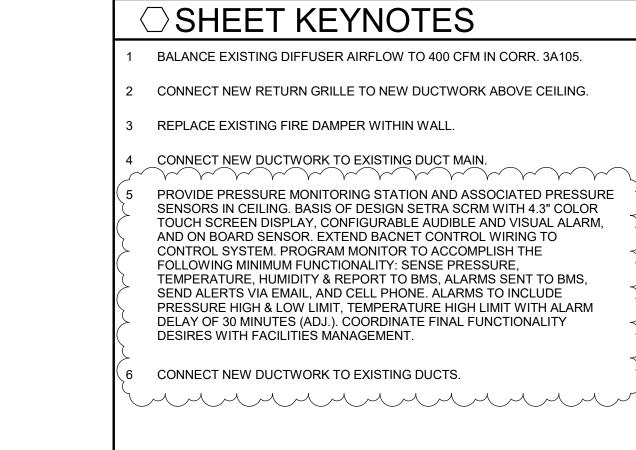
revisions 1 ADDENDUM #2

title:

LEVEL 3 **MECHANICAL DEMO PLAN**

CONSTRUCTION DOCUMENT





- CONNECT NEW RETURN GRILLE TO NEW DUCTWORK ABOVE CEILING.
- PROVIDE PRESSURE MONITORING STATION AND ASSOCIATED PRESSURE SENSORS IN CEILING. BASIS OF DESIGN SETRA SCRM WITH 4.3" COLOR TOUCH SCREEN DISPLAY, CONFIGURABLE AUDIBLE AND VISUAL ALARM, AND ON BOARD SENSOR. EXTEND BACNET CONTROL WIRING TO CONTROL SYSTEM. PROGRAM MONITOR TO ACCOMPLISH THE TEMPERATURE, HUMIDITY & REPORT TO BMS, ALARMS SENT TO BMS, SEND ALERTS VIA EMAIL, AND CELL PHONE. ALARMS TO INCLUDE PRESSURE HIGH & LOW LIMIT, TEMPERATURE HIGH LIMIT WITH ALARM

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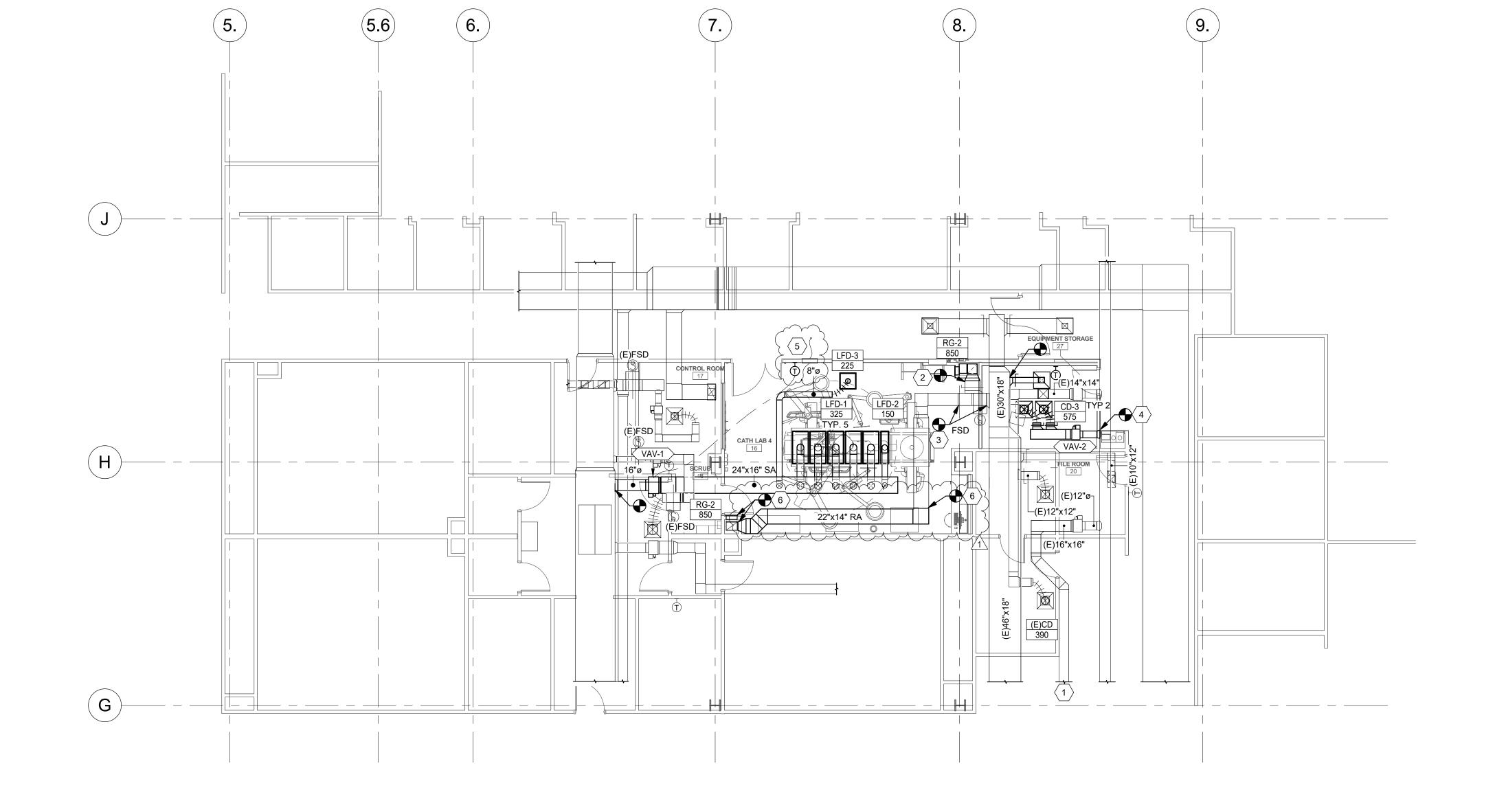
project#: 24.0310 date: SEPT 27, 2024

revisions 1 ADDENDUM #2

title:

LEVEL 3 **MECHANICAL** PLAN

CONSTRUCTION DOCUMENT



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CEPTABLE	MANUFACTURERS:			REMA	RKS:														
ICE UEGER US				(2) NC (3) PR (4) PR	RATING BA OVIDE WITH ESSURE INI	SED OFF OF AH 1 1/2 IN. THICK, I DEPENDENT OP	I.75" AND DISCHA RI STANDARD 889 MIN. 1.5 LB DENSI ERATION. E FOR CONTROLS	5-2008 TY FIBERG		RNAL INSULA	TION	(7 (8 (9	APPROX. ONE TE HOT WATER PIPE	TED ACCESS FRACTOR TO F RANSFORMER E SUPPLY AND	PANEL. PROVIDE 120V TO FOR EVERY SIX RETURN PIPING	FROM HEATING CO	ER, DIL TO MAINS PER FOLLOWING - 7.5 GPM 1 - 1/4"; 7.6 - 10 GPM:		
		AIRFLOW							HOT WATER HEATING COIL										
LABEL	SERVES	MAX (CFM)	MIN (CFM)	AIR PD (IN-WC)	INLET SIZE	MAX AIRFLOW (CFM)	CAPACITY (BTUH)	EAT (°F)	LAT (°F)	FLOW RATE (GPM)	EWT (°F)	LWT (°F)	WATER PD (FT)	ROWS	CONTROL VALVE	MAX DISCHARGE NC	MANUFACTURER	MODEL	REMARKS
V-1	CATH LAB	2,100	2,100	0.53	16"	2,100	60	55	100	4	160	130	0.94	2	2 WAY	25	TITUS	DESV	ALL
V-2	EQUIPMENT ROOM	1,150	172	0.13	10"	1,150	25	55	100	1.6	160	130	0.43	2	2 WAY	28	TITUS	DESV	ALL

	REGISTER - GRILLE- DIFFUSER SCHEDULE														
CCEPTA	BLE MANUFACTURERS:	REMARKS:													
RUEGER UTTLE & ITUS RICE		(1) PROVIDE TRANSITION AS NECESSARY. (2) COORDINATE EXACT COLOR SELECTION WITH OWNER AND ARCHITECT. (3) PROVIDE WITH AIR-SCOOP FOR BALANCING. (4) PROVIDE WITH LAY-IN TO HARD LID ADAPTER AS NECESSARY.													
LABEL	TYPE	MAX AIRFLOW (CFM)	FACE SIZE	NECK SIZE	BLOW PATTERN	PD (IN-WC)	THROW(S) (FT)	MAX NC	MANUFACTURER		MODEL	REMARKS			
D-3	SQUARE PLAQUE DIFFUSER	705	24" X 24"	12" Ø	4-WAY	0.210	6-9-14	30	PRICE INDUSTRIES	SPD	AL	.L			
FD-1	LAMINAR FLOW DIFFUSER	480	24" x 48"	10" Ø	LAMINAR	0.100	N/A	25	PRICE INDUSTRIES	LFD	AL	,L			
FD-2	LAMINAR FLOW DIFFUSER	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	√12\"x48\"√	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	LAMINAR	0.070	N/A V	~~~25 ~~	PRICE INDUSTRIES	~ LFD	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
FD-3	LAMINAR FLOW DIFFUSER	240	24" X 24"	8" Ø	LAMINAR	0.150	N/A	30	PRICE INDUSTRIES	LFD	AL	.L			
16-1	LOUVERED RETURN GRILLE	1750	24" X 24"	SEE PLANS	N/A	0.100	WA	30 ~	PRICE INDUSTRIES	535_^	AL				
G-2	LOUVERED SIDEWALL RETURN	650	16" X 12"	16" X 12"	N/A	0.100	N/A	30	PRICE INDUSTRIES	535	AL	1			

	DUCT	INSULATION REQU	IREM	ENTS	3
DUCT SYSTEM	DUCT LOCATION	INSULATION MATERIALS	RESISTA CLIMATE	THERMAL NCE ("R") CLIMATE ZONES 5-8	FIELD APPLIED JACKET
	BUILDING INTERIOR, CONCEALED	MINERAL-FIBER BLANKET	6.0	6.0	NONE
SUPPLY AIR	BUILDING INTERIOR, EXPOSED, OUTSIDE CONDITIONED SPACE	MINERAL-FIBER BLANKET	6.0	6.0	NONE
	BUILDING EXTERIOR (OUTSIDE BUILDING INSULATION)	MINERAL-FIBER BLANKET	8.0	12.0	ALUMINUM
	BUILDING INTERIOR, CONCEALED	MINERAL-FIBER BLANKET	6.0	6.0	NONE
RETURN AIR	BUILDING INTERIOR, EXPOSED, OUTSIDE CONDITIONED SPACE	MINERAL-FIBER BLANKET	6.0	6.0	NONE
	BUILDING EXTERIOR (OUTSIDE BUILDING INSULATION)	MINERAL-FIBER BLANKET	8.0	12.0	ALUMINUM
EXHAUST AIR	<u> </u>	NONE			
OUTSIDE AIR	BUILDING INTERIOR, CONCEALED OR EXPOSED	MINERAL-FIBER BLANKET	6.0	6.0	NONE
OOTOIDE AIR	BUILDING EXTERIOR (OUTSIDE BUILDING INSULATION)	MINERAL-FIBER BLANKET	8.0	12.0	NONE
FLEXIBLE DUCT	BUILDING INTERIOR	MINERAL-FIBER BLANKER POLYETHYLENE INNER AND OUTER JACKET	6.0	6.0	NONE
NOTES					
2. CLIMATE ZON 3. ALL DUCT INS 4. DUCT INSULA 5. DUCT LINER, 6. DUCT LINER, 7. DUCT DIMEN, 8. TOTAL LENG 9. OFFSET OF F 10. ALL DUCT C 11. INDOOR DU 12. OUTDOOR D 13. ALL DUCT C	ATION THERMAL RESISTANCE VALUES DETERMINED FROM 2018 IES DETERMINED BY ASHRAE. THIS PROJECT IS IN CLIMATE ZONE BULATION SHALL HAVE ALL SERVICE JACKET MANUFACTURER FROM TION SHALL BE MECHANICALLY FASTENED TO DUCTS WIDER THAT WHERE SHOWN ON DRAWINGS, SHALL BE A MINIMUM OF 1" THIC SHALL NOT BE SUBSTITUTED FOR DUCT WRAP UNLESS THE MININGS SHOWN ON THE DRAWINGS ARE NET FREE AREA. WHERE IF OF FLEXIBLE DUCT FUN SHALL NOT EXCEED 3'-0". EXTEND SHE LEXIBLE DUCT SHALL NOT EXCEED ONE HALF OF THE DUCT DIAN HANGES IN DIRECTION SHALL BE MADE WITH RIGID ELBOWS OR SUCT INSULATION AND RELATED MATERIALS SHALL HAVE A FLAME-DUCT INSULATION AND EXPOSED TO THE AIR SEALS USED AS INTERNAL INSULATION AND EXPOSED TO THE AIR SEALS.	E 5. OM KRAFT PAPER, REINFORCED SCRIM, ALUMINUI AN 24" AND SHALL BE AFFIXED TO BOTTOM OF DUC K AND SHALL HAVE A MINIMUM "R" VALUE OF 3.8. MUM "R" VALUE OF THE DUCT LINER IS INCREASED DUCT LINER IS SHOWN, INCREASE METAL DUCT SI EET METAL DUCT TO WITHIN 3'-0" OF THE AIR INLET IETER. DTHER RIGID METAL FITTINGS. SPREAD INDEX OF 25 OR LESS, AND SMOKE-DEVEL E-SPREAD INDEX OF 75 OR LESS, AND SMOKE-DEVEL S SMOKE WHEN TESTED IN ACCORDANCE WITH AS	OT WITH WEL TO VALUE N ZE TO ALLOW FOR AIR OUT LOPED INDEX (ELOPED IND STM 411.	DED METAL PI EEDED PER T I FOR THICKN LET DEVICE. COF 50 OR LES EX OF 150 OR	ABLE ABOVE. ESS OF DUCT LINER. SS WHEN TESTED TO ASTM 84. LESS WHEN TESTED TO ASTM 84.



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project#: 24.0310 date: SEPT 27, 2024

1 ADDENDUM #2

revisions :

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MECHANICAL SCHEDULES

DEC 13, 2024

sheet.

M601

○ SHEET KEYNOTES

- DISCONNECT FROM EXISTING SINK AND ATTACH TO NEW SINK.
- REMOVE MED GAS OUTLET IN FLOOR PEDESTAL.
- REMOVE MED GAS OUTLETS TO ZONE VALVE BOX.

REMOVE EXISTING MEDICAL GAS ALARM PANEL.

Manuel Ma

STRUCTURE. 3. DISSIMILAR METAL PIPING CONNECTIONS SHALL HAVE DIELECTRIC ISOLATORS.

ADVANCE WITH OWNER.

AND 1" INSULATION FOR PIPING 1-1/2" OR LARGER.

4. ALL DOMESTIC WATER PIPING TO BE PRESSURE TESTED, CLEANED, AND

PLUMBING GENERAL NOTES

1. ALL DOMESTIC WATER PIPING TO BE COPPER. ALL HOT WATER AND HOT

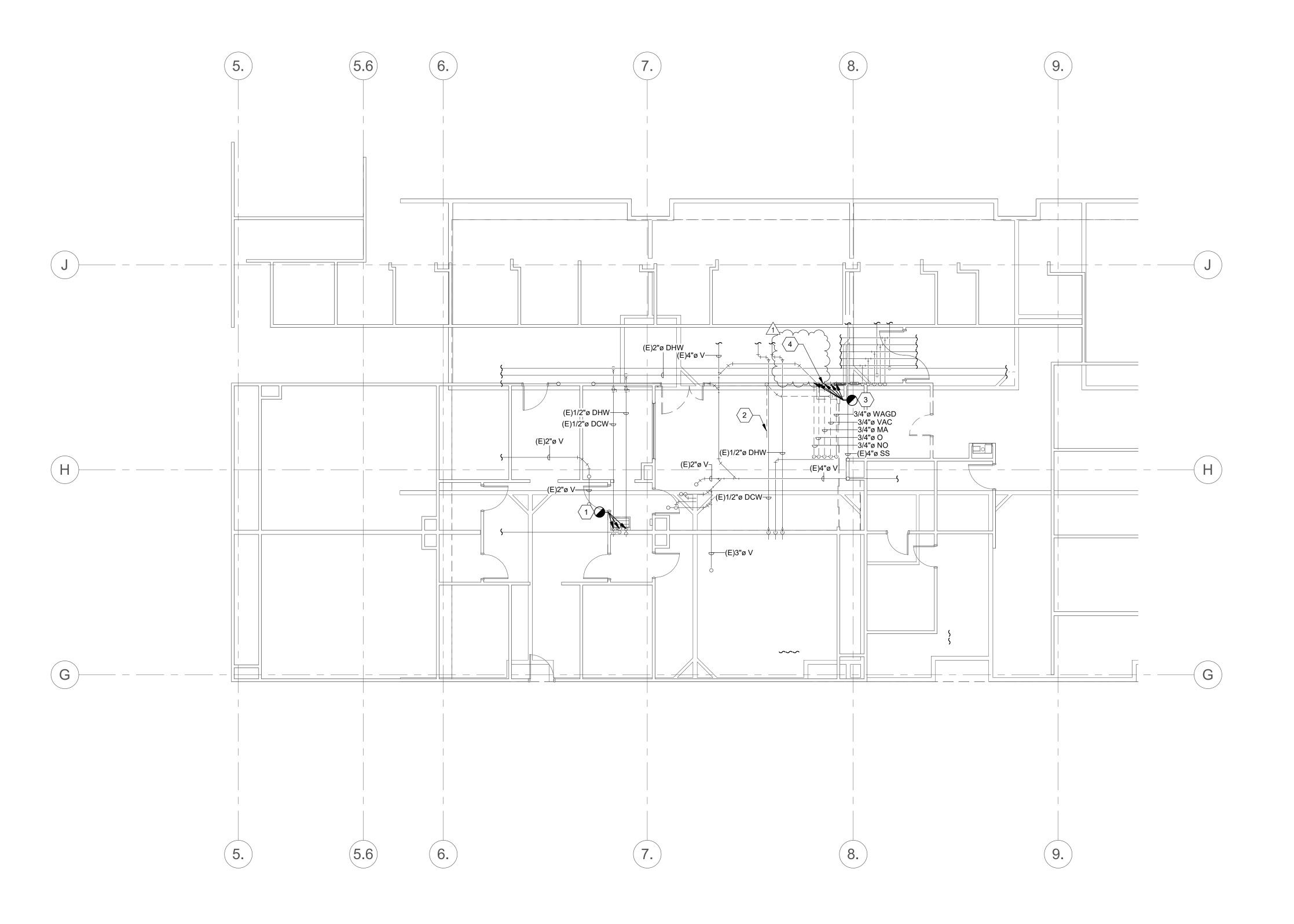
COLD WATER PIPING TO BE INSULATED WITH 1/2" UP TO 1-1/4" PIPING

2. THE CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND

PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING

WATER RECIRCULATING PIPING TO BE INSULATED WITH 1" UP TO 1-1/4" PIPE AND 1-1/2" INSULATION FOR PIPING 1-1/2" AND LARGER. DOMESTIC

- DISINFECTED. SEE SPECIFICATIONS. 5. BALL VALVES SHALL BE FULL PORT AND LEAD FREE. PROVIDE WITH HANDLE/STEM EXTENSIONS FOR PROPER FUNCTION WHEN FULLY
- INSULATED. EXTENSIONS TO BE SEALED AND VAPOR PROOF. 6. ALL DOMESTIC WASTE AND VENT PIPING TO BE CAST IRON. . THIS PROJECT WILL REQUIRE AFTER HOURS AND WEEKEND WORK TO RUN PIPING/DUCTWORK OR MODIFY SYSTEMS IN OR AFFECTING OCCUPIED SPACES. COORDINATE ALL SHUTDOWNS 72 HOURS IN
- 8. PROVIDE BALANCE REPORT OF DOMESTIC WATER RECIRCULATING SYSTEM TO ENGINEER. PROVIDE P&T PORTS AND PRESSURE GAUGES ON EACH SIDE OF RECIRCULATING PUMP. PROVIDE THERMOMETER ON DISCHARGE SIDE OF PUMP.
- 9. THE CONTRACTOR SHALL FIELD VERIFY EXISTING FIELD CONDITIONS PRIOR TO ORDERING OR FABRICATING. ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH
- EXISTING SITE CONDITIONS. 10. TEST WASTE AND VENT PIPING FOR LEAKAGE. SEE SPECIFICATIONS. 11. COORDINATE ANY NECESSARY SAW CUTTING, BACKFILL, AND NEW
- CONCRETE WITH GENERAL. 12. PIPING SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL
- ALL PIPING WITHIN 12" FROM SUPPORTING STRUCTURE. 13. WHERE JURISDICTION REQUIRES. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SEISMIC RESTRAINT. PROVIDE DESIGN DRAWINGS TO
- AUTHORITY HAVING JURISDICTION AND MECHANICAL ENGINEER FOR REVIEW. 14. PLUMBING PIPING SCHEDULE:
- A. DOMESTIC WATER ABOVE GRADE= TYPE L COPPER SOLDERED B. DOMESTIC WATER BELOW GRADE= TYPE K COPPER - SOLDERED C. ROOF DRAIN, WASTE & VENT ABOVE GRADE = CAST IRON - HUBLESS
- COUPLINGS WITH HEAVY DUTY COUPLINGS D. MEDICAL GAS LINES= TYPE L COPPER - SOLDERED



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project:

McKay Dee Cath Lab 4 Replacement

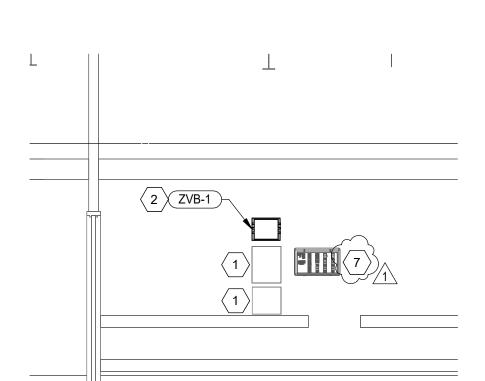
McKay Dee Hospital 4401 Harrison Blvd Ogden, UT 84403

project#: 24.0310 date: SEPT 27, 2024

revisions 1 ADDENDUM #2

title:

LEVEL 3 **PLUMBING DEMO PLAN**



○ SHEET KEYNOTES

1 EXISTING ZONE VALVE BOX TO REMAIN.

WAGD: 3/4"

CO2: 1/2"

- 2 INSTALL NEW ZONE VALVE BOX ABOVE EXISTING ZONE VALVE BOXES.
- 3 ROUTE CO2 LINE DOWN CORRIDOR, THROUGH REHAB GYM AND RECORDS ROOM TO EXISTING CHASE. ANTICIPATED DISTANCE FROM THIS POINT TO CHASE: 150'.

 CONTRACTOR TO COORDINATE SHUTDOWN AND RECERTIFICATION WITH FACILITIES 48 HOURS IN ADVANCE.
- 4 STUB CO2 LINE FOR FUTURE CONNECTION.
- 5 ROUTE MEDICAL GAS LINES TO NEW ANESTHESIA BOOM. SKYTRON TO MAKE CONNECTION TO BOOM. GAS SIZES ARE AS FOLLOWS.

 NO: 1/2"

 O2: 1/2"

 MA: 1/2"

 VAC: 3/4"
 - ROUTE MEDICAL GAS LINES TO NEW PERFUSION BOOM. SKYTRON TO MAKE CONNECTION TO BOOM. GAS SIZES ARE AS FOLLOWS.
 O2: 1/2"
 MA: 1/2"
 VAC: 3/4"
- 7 PROVIDE NEW MEDICAL GAS ALARM PANEL TO SERVE CATH LAB. BASIS OF DESIGN BEACON MEGA3 A10-OXAVW

PLUMBING GENERAL NOTES

- 1. ALL DOMESTIC WATER PIPING TO BE COPPER. ALL HOT WATER AND HOT WATER RECIRCULATING PIPING TO BE INSULATED WITH 1" UP TO 1-1/4" PIPE AND 1-1/2" INSULATION FOR PIPING 1-1/2" AND LARGER. DOMESTIC COLD WATER PIPING TO BE INSULATED WITH 1/2" UP TO 1-1/4" PIPING
- AND 1" INSULATION FOR PIPING 1-1/2" OR LARGER.

 2. THE CONTRACTOR SHALL CLOSELY COORDINATE MECHANICAL AND PLUMBING WITH ELECTRICAL, ARCHITECTURAL, AND BUILDING
- STRUCTURE.
 3. DISSIMILAR METAL PIPING CONNECTIONS SHALL HAVE DIELECTRIC ISOLATORS.
- 4. ALL DOMESTIC WATER PIPING TO BE PRESSURE TESTED, CLEANED, AND DISINFECTED. SEE SPECIFICATIONS.

 5. BALL VALVES SHALL BE FULL PORT AND LEAD FREE. PROVIDE WITH
- BALL VALVES SHALL BE FULL PORT AND LEAD FREE. PROVIDE WITH HANDLE/STEM EXTENSIONS FOR PROPER FUNCTION WHEN FULLY INSULATED. EXTENSIONS TO BE SEALED AND VAPOR PROOF.
 ALL DOMESTIC WASTE AND VENT PIPING TO BE CAST IRON.
 THIS PROJECT WILL REQUIRE AFTER HOURS AND WEEKEND WORK TO
- RUN PIPING/DUCTWORK OR MODIFY SYSTEMS IN OR AFFECTING OCCUPIED SPACES. COORDINATE ALL SHUTDOWNS 72 HOURS IN ADVANCE WITH OWNER.

 8. PROVIDE BALANCE REPORT OF DOMESTIC WATER RECIRCULATING SYSTEM TO ENGINEER. PROVIDE P&T PORTS AND PRESSURE GAUGES
- SYSTEM TO ENGINEER. PROVIDE P&T PORTS AND PRESSURE GAUGES
 ON EACH SIDE OF RECIRCULATING PUMP. PROVIDE THERMOMETER ON
 DISCHARGE SIDE OF PUMP.

 9. THE CONTRACTOR SHALL FIELD VERIFY EXISTING FIELD CONDITIONS
- PRIOR TO ORDERING OR FABRICATING. ADDITIONAL COST WILL NOT BE ALLOWED FOR CONTRACTOR'S FAILURE TO BECOME FAMILIAR WITH EXISTING SITE CONDITIONS.
- 10. TEST WASTE AND VENT PIPING FOR LEAKAGE. SEE SPECIFICATIONS.11. COORDINATE ANY NECESSARY SAW CUTTING, BACKFILL, AND NEW CONCRETE WITH GENERAL.
- 12. PIPING SHALL NOT BE SUPPORTED FROM THE ROOF DECK, JOIST BRIDGING OR OTHER PIPES. HANG PIPES FROM BEAMS, JOIST OR SUPPLEMENTARY STRUCTURAL MEMBERS. WHERE POSSIBLE INSTALL ALL PIPING WITHIN 12" FROM SUPPORTING STRUCTURE.

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- REVIEW.

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LEVEL 3
PLUMBING
MED GAS

shee

P104

2 ZVB AND ALARM PANEL SECTION SCALE: 1/4" = 1'-0"

