



DATE: September 27, 2023

FROM: Wight & Company/Wight Construction Services, Inc.
2500 N. Frontage Road
Darien, IL 60561

SUBJECT: RE-ISSUED ADDENDUM 3 TO THE BIDDING DOCUMENTS FOR:

CHILD ADVOCACY CENTER PROJECT

Project No: **230186**

This addendum forms a part of the bidding and contract documents and modifies the original bid documents dated **8.18.23** Acknowledge receipt of this addendum when providing bid price. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

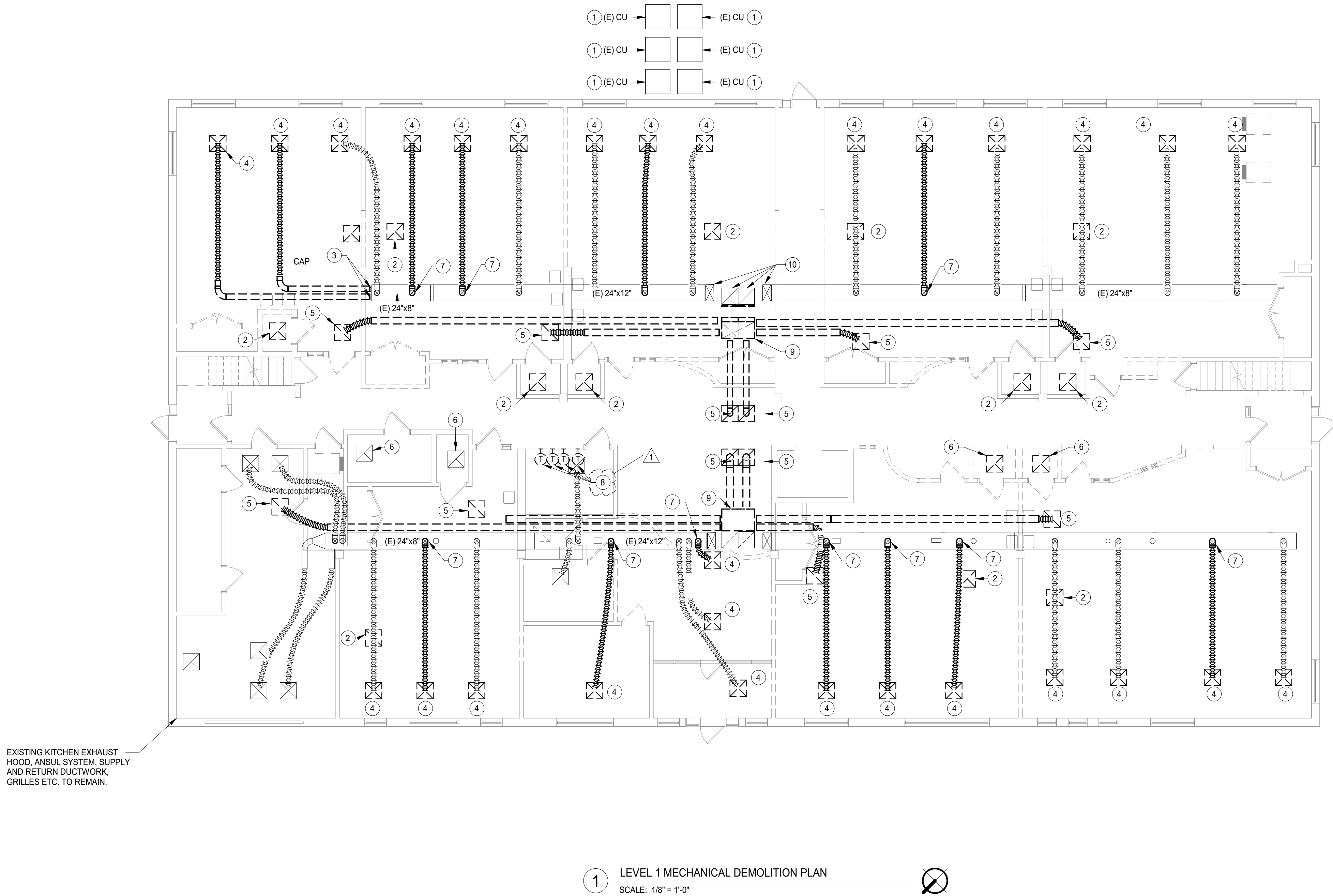
**BID OPENING DATE SHALL REMAIN AS ORIGINALLY
INDICATED 10/02/2023**

CONSTRUCTION

1. MECHANICAL DRAWINGS HAS BEEN UPDATED.
 - a. MD2.01 Level 1 Mechanical Demolition Plan.
 - b. M3.00 Basement Mechanical Piping Plan
 - c. M3.01 Level 1 Mechanical Piping Plan
 - d. M5.01 Mechanical Schedule
 - e. M6.01 Mechanical Details

END OF ADDENDUM 3

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#	KEY NOTES
Keynote Mark	Keynote Mark Description
1	EXISTING CONDENSING UNIT TO REMAIN.
2	DEMOLISH ALL EXISTING EXHAUST GRILLES, INLINE FANS, ASSOCIATED BRANCH DUCTWORK, HANGERS ETC. IN THE ROOM UNLESS NOTED OTHERWISE.
3	DEMOLISH EXISTING BRANCH DUCT, INSULATION, DIFFUSERS AND ASSOCIATED ACCESSORIES AS SHOWN DASHED.
4	CAREFULLY REMOVE EXISTING SUPPLY DIFFUSER, DIFFUSER TO BE REINSTALLED IN NEARBY LOCATION, REFER TO NEW WORK PLAN FOR LOCATION.
5	DEMOLISH ALL RETURN DUCTWORK, DIFFUSERS, ACCESSORIES ETC. AS SHOWN DASHED. CAP CONNECTIONS AT LOCATIONS SHOWN.
6	RELOCATE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK.
7	CAP DUCTWORK AT LOCATION SHOWN. DEMOLISH FLEX DUCTWORK, ACCESSORIES, HANGERS ETC. UP TO SUPPLY DIFFUSER.
8	DEMOLISH EXISTING THERMOSTATS AND WIRING. PROVIDE NEW THERMOSTATS IN LOCATIONS PER SHEET MD.01.
9	DEMOLISH EXISTING RETURN AIR PLENUM.
10	SUPPLY AND RETURN AIR DUCT UP TO FURNACES ON FLOOR ABOVE.



**CHILD ADVOCACY CENTER
WILL COUNTY**



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1	DOC MOD 1	09/12/2023
REV	ISSUED FOR BID AND PERMIT	08/18/2023
	DESCRIPTION	DATE

**CHILD ADVOCACY
CENTER**

1208 Cedarwood drive,
Crest Hill, IL, 60403

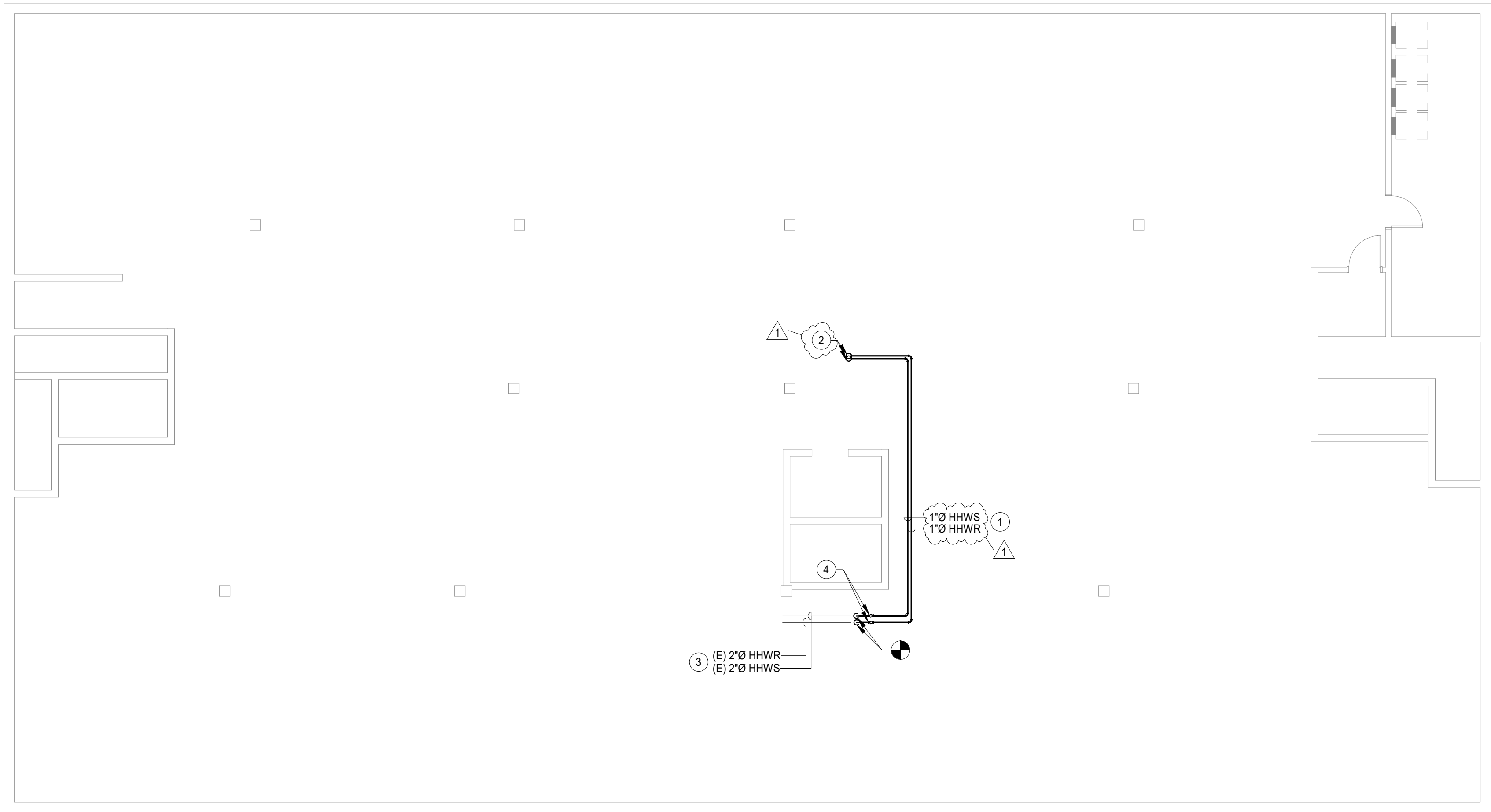
**LEVEL 1 MECHANICAL
DEMOLITION PLAN**

Project Number:
230103
Drawn By:
Author
Sheet:

MD2.01

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Keynote Mark	Keynote Mark Description
1	PROVIDE NEW 3/4" HOT WATER SUPPLY AND RETURN PIPING
2	3/4" HHWR PIPING UP TO FLOOR ABOVE. SEAL & CAULK AROUND FLOOR OPENING. PIPE INSULATION SHALL BE CONTINUOUS THROUGH FLOOR OPENING. PROVIDE SLEEVE BETWEEN PIPE INSULATION & FLOOR OPENING BEFORE APPLYING SEAL/CAULK.
3	EXISTING HWHR PIPING FROM BOILERS TO REMAIN
4	PROVIDE SHUTOFF VALVES IN NEW HHWR'S PIPING.



1 BASEMENT MECHANICAL PIPING PLAN
SCALE: 1/8" = 1'-0"



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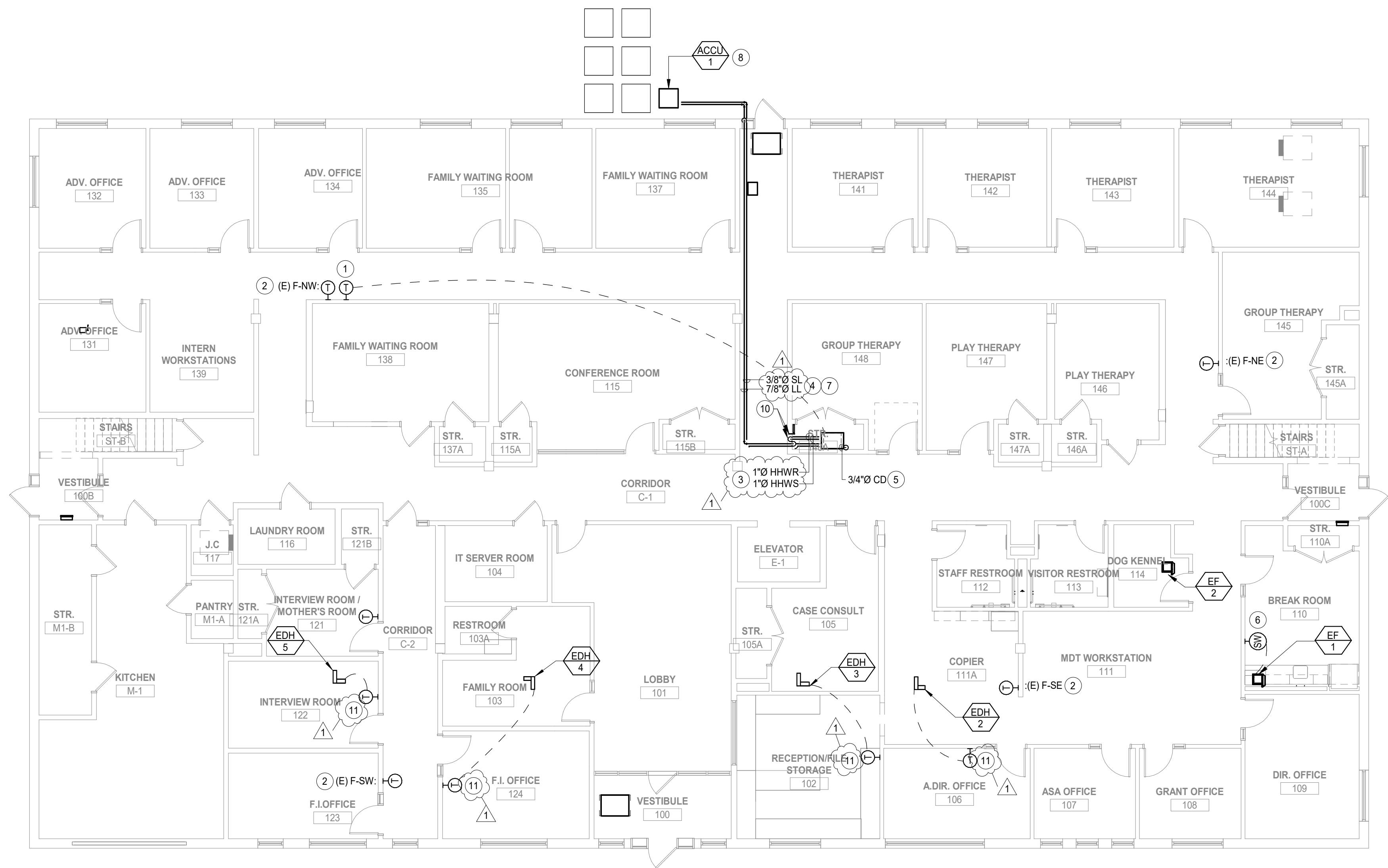
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BASEMENT MECHANICAL
PIPING PLAN

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M3.00

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1 LEVEL 1 MECHANICAL PIPE PLAN
SCALE: 1/8" = 1'-0"

#	KEY NOTES
1	PROVIDE NEW 7-DAY PROGRAMMABLE THERMOSTAT (HONEYWELL OR EQUAL) AT APPROXIMATE LOCATION SHOWN. MOUNTING HEIGHT AS SHOWN ABOVE FINISHED FLOOR. COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECTURAL AND OWNER. SEE SPECIFICATIONS.
2	PROVIDE NEW 7-DAY PROGRAMMABLE THERMOSTAT (HONEYWELL OR EQUAL) TO REPLACE EXISTING T-STATS FOR EXISTING FURNACE & ASSOCIATED CONDENSING UNITS. PROVIDE CONTROLS & WIRING BETWEEN THERMOSTATS & EXISTING FURNACE/CONDENSING UNITS.
3	HOT WATER SUPPLY AND RETURN PIPING OF INDICATED SIZE UP TO HOT WATER COIL AT FCU-1.
4	REFRIGERANT PIPE SIZES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR NEEDS TO VERIFY EXACT PIPE SIZES WITH MANUFACTURER BASED ON ACTUAL FIELD ROUTING.
5	TERMINATE CONDENSATE DRAIN PIPING AT FLOOR DRAIN. COORDINATE EXACT LOCATION WITH PLUMBING.
6	PROVIDE SWITCH FOR EF-1. COORDINATE WITH ARCHITECTURAL AND ELECTRICAL FOR FINAL LOCATION AND HEIGHT OF SWITCH FROM AFF.
7	PROVIDE NEW REFRIGERANT PIPING AS INDICATED. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSULATE PIPING PER SPECIFICATIONS.
8	PROVIDE NEW AIR COOLED CONDENSING UNIT AS INDICATED PER SCHEDULE. COORDINATE EXACT LOCATION IN FIELD WITH OTHER TRADES. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS.
10	HWS/B PIPING TO FLOOR BELOW.
11	PROVIDE NEW THERMOSTAT AT APPROXIMATE LOCATION SHOWN. THERMOSTAT TO CONTROL EDH TO MAINTAIN SPACE TEMPERATURE.

**CONTROL SEQUENCE FOR FURNACES/
FAN COIL UNITS:**

- ALL FURNACES/FAN COIL UNIT SHALL BE CONTROLLED BY NEW 7-DAY PROGRAMMABLE THERMOSTATS.
- FOR ALL FURNACES/FAN COIL UNIT, PROGRAMMABLE T-STAT SHALL MAINTAIN SPACE TEMPERATURES DURING COOLING BY ENABLING ACCU UNITS AS REQUIRED IN COOL MODE.
- FOR GAS FIRED FURNACE UNITS, T-STATS SHALL ENABLE & STAGE GAS FURNACES AS REQUIRED TO MAINTAIN SPACE TEMPERATURES IN HEAT MODE.
- FOR FAN COIL UNIT WITH HW COIL, T-STAT SHALL MODULATE 3-WAY VALVE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE IN HEAT MODE.



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LEVEL 1 MECHANICAL
PIPING PLAN

Project Number:
230103
Drawn By:
Author
Sheet:

M3.01

FAN COIL UNIT SCHEDULE																						
TAG	ROOM	MANUFACTURER AND MODEL	DIMENSIONS (LXWXH) IN INCHES	WEIGHT (LBS)	CONNECTED TO:	SUPPLY FAN	OUTSIDE AIR CFM	ESP (IN)	COOLING COIL							HEATING CAPACITY @ 17°F			ELECTRICAL			
					CONDENSING UNIT	CFM			TONNAGE	COIL WEIGHT (LBS.)	COIL MODEL	REFRIGERANT	NET MBH	SENSIBLE MBH	ENTERING AIR		TOTAL CAPACITY (MBH)	ROWS	FLOW (GPM)	POWER SUPPLY	MCA	MOC
FCU-1	STR-148A	CARRIER FJ4DNXC48L00	19.02 X 21.13 X 53.44	182	ACCU-1	1600	400	0.5	4	-	-	PURON	46.1	36.1	80	67	NO INTEGRAL HEATING FOR UNIT.			230/160	7.6	15
NOTES:																						
1. PROVIDE THERMOSTAT.																						
2. PROVIDE HW12C02F10 HOT WATER HEATING COIL.																						
2. OTHER ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS.																						
3. INSTALL FAN COIL UNIT ON VIBRATION ISOLATION EQUIPMENT SUPPORT.																						

WALL LOUVER SCHEDULE													
EQUIPMENT TAG	LOCATION	INTAKE/EXHAUST	SERVICE	MANUFACTURER	MODEL	TYPE	SIZE (WxHxD)	MIN. FREE AREA (SQ.FT.)	CFM	FREE AREA VELOCITY (FPM)	P.D. (IN. H2O)	WATER PENETRATION VELOCITY (FPM)	NOTES
IVL-1	STR. 148A	INTAKE	FCU-1	GREENHECK	EVH-501	EXTRUDED ALUMINUM	20X12X5	0.8	400	802	0.11	1685	ALL
NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS:SEE SPECIFICATIONS. 2. PROVIDE BIRDSCREEN AND BACKDRAFT DAMPERS FOR ALL LOUVERS. 3. COLOR & FINISH TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF MANUFACTURER STANDARD COLORS. 4. WATER PENETRATION VELOCITY IS BASED ON 0.01 OUNCES/SQ.FT. WITH A 48"x48" LOUVER AND A TEST PERIOD OF 15 MINUTES.													

AIR COOLED CONDENSING UNIT SCHEDULE														
TAG	LOCATION	SERVES	EER	SEER	NET CAPACITY (MBH)	REFRIGERANT TYPE	RATED OUTDOOR CONDITIONS (°F)	WEIGHT LBS.	MOTOR			DIMENSIONS LXWXH (IN)	VOLT / PHASE / FREQ	MAKE/MODEL
									FLA	MCA	MOP			
ACCU-1	GRADE	FCU-1	12.0	14.5	46,056	PURON	95/75	171		24.5	40	31.19" X 31.19" X 28.7"	208/1/60	CARRIER 24SCA448N003
NOTES: 1. LOW AMBIENT CONTROL. 2. PROVIDE EVAPORATOR COIL WITH THERMAL EXPANSION VALVE DIRECTLY ABOVE DISCHARGE OF ASSOCIATED FAN COIL UNIT. 3. INSTALL CONDENSING UNIT ON NEW CONCRETE PAD. 4. PROVIDE DISCONNECT SWITCH. 5. OTHER ACCEPTABLE MANUFACTURERS: REFER TO SPECIFICATIONS.														

ELECTRIC DUCT HEATER SCHEDULE														
EQUIP. TAG	AREA SERVED	MANUFACTURER	MODEL	TYPE	SIZE WxH	CFM	SP (IN.)	KW	TEMP RISE	STAGES	PHASE	VOLT	AMPS	NOTES
EDH-1	106 A DIR. OFFICE	BRASCH	HUA	SLIP-IN	8X8	200	0.1	1.25	20	1	3	208	3.47	1-3
EDH-2	105 CASE CONSULT	BRASCH	HUA	SLIP-IN	10X8	300	0.1	1.9	20	1	3	208	5.27	1-3
EDH-3	124 F.I. OFFICE	BRASCH	HUA	SLIP-IN	8X6	175	0.1	1.1	20	1	3	208	3.05	1-3
EDH-4	122 INTERVIEW ROOM	BRASCH	HUA	SLIP-IN	8X8	200	0.1	1.25	20	1	3	208	3.47	1-3
NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS- SEE SPECIFICATIONS. 2. FURNISH WITH DISCONNECT SWITCH, CONTROL TRANSFORMER, MAGNETIC CONTACTORS, AIR FLOW SWITCH AND THERMAL CUTOUTS AND WALL THERMOSTAT. 3. PROVIDE 3 STAGE THERMOSTAT FOR EDH-1.														

CABINET UNIT HEATER SCHEDULE															
EQUIPMENT TAG	LOCATION	MANUFACTURER	MODEL	CFM	CABINET					ELECTRIC HEATING COIL (KW)	FILTER TYPE	BUILT IN DISCONNECT	ELECTRICAL V / PH / HZ	AMPS	NOTES
					L (IN.)	H (IN.)	D (IN.)	MOUNTING	ARRANGEMENT						
CUH-1	100 VESTIBULE	BERKO	CUH935	250	35"	26-3/8"	9-3/4"	FULLY RECESSED CEILING MOUNTED	FRONT INLET / FRONT OUTLET	3	DISPOSABLE	Y	240/1/60	13.0	1-4
CUH-2	101 VESTIBULE	BERKO	CUH935	250	35"	26-3/8"	9-3/4"	FULLY RECESSED CEILING MOUNTED	FRONT INLET / FRONT OUTLET	3	DISPOSABLE	Y	240/1/60	13.0	1-4
NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS. 2. PROVIDE BUILT IN THERMOSTAT. 3. PROVIDE FACTORY INSTALLED DISCONNECT. 4. COLOR & FINISH TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF MANUFACTURER STANDARD COLORS.															

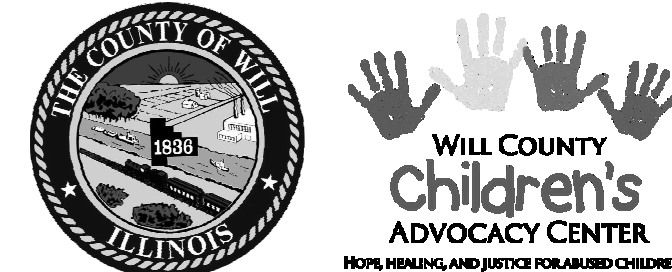
INLINE DUCT BOOSTER FAN											
EQUIPMENT TAG	LOCATION	MANUFACTURER	MODEL	TYPE	DRIVE	CFM	MOTOR			CONTROL	NOTES
							FLA	HP	V / PH / HZ		
IF-1	CORRIDOR C-1	TJERLUND	DUCT BOOSTER EF-12	INLINE	DIRECT	350	1.25	1/35	120/1/60	MODEL PS1503 DUCT AIRSTAT	1-2
NOTES: 1. PROVIDE DISCONNECT SWITCH. 2. PROVIDE MODEL PS 1503 DUCT AIRSTAT TO CONTROL OPERATION OF INLINE DUCT BOOSTER FAN.											

DIFFUSER, GRILLE AND REGISTER SCHEDULE									
EQUIPMENT TAG	MANUFACTURER	MODEL	TYPE	NECK SIZE	FACE SIZE (IN)	FACE TYPE	MATERIAL	MOUNTING SURFACE	NOTES
A	TITUS	OMNI	SQUARE PLAQUE	SEE PLAN	SEE PLAN	SQUARE	STEEL	LAY-IN	1-4
B	TITUS	50F	EGG CRATE	SEE PLAN	SEE PLAN	SQUARE	ALUMINUM	LAY-IN	1-4
NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS. 2. COLOR & FINISH TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF MANUFACTURER STANDARD COLORS. 3. PROVIDE OPPOSED BLADE DAMPER WHERE REQUIRED. 4. PROVIDE DAMPER IN DIFFUSER NECK OVER INACCESSIBLE CEILING.									

ELECTRIC WALL HEATER SCHEDULE								
TAG	SERVICE	MAKE & MODEL	DIMENSIONS WXHXD	KW	VOLT/FREQ/ PHASE	FLA	CONTROL	REMARKS
EWH-1	100A VESTIBULE	QMARK-FRC1512F	19.5 "H x 15.75 " W x 5" D	1.5	120/1/60	12.5	THERMOSTAT	ALL
EWH-2	100B VESTIBULE	QMARK-FRC1512F	19.5 "H x 15.75 " W x 5" D	1.5	120/1/60	12.5	THERMOSTAT	ALL
NOTES: 1. PROVIDE INTERGRAL THERMOSTAT. 2. PROVIDE STARTER AND DISCONNECT SWITCH. 3. COLOR AND FINISH TO BE SELECTED BY ARCHITECT FULL RANGE OF MANUFACTURER STANDARD COLORS. 4. INSTALL HEATER FULLY RECESSED (EXCEPT THE FRONT GRILLE PORTION). PROVIDE KIT FOR RECESSED WALL INSTALLATION.								

EXHAUST FAN SCHEDULE														
EQUIPMENT TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL	TYPE	DRIVE	CFM	ESP (IN.)	FAN RPM	MOTOR			CONTROL	NOTES
										FLA	HP/WATTS	V / PH / HZ		
EF-1	110 BREAK ROOM	118 FAMILY REST.	GREENHECK	SP-LP0511-1	CEILING	DIRECT	75	0.375	773	0.29	15 W	115/1/60	O	1-3
EF-2	118 FAMILY REST.	119 FAMILY REST.	GREENHECK	SP-LP0511-2	CEILING	DIRECT	75	0.375	773	0.29	15 W	115/1/60	\$	1-3
NOTES: 1. OTHER ACCEPTABLE MANUFACTURERS: SEE SPECIFICATIONS. 2. WALL CAP ON EXTERIOR WALL FOR ALL COLOR AND FINISH TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF MANUFACTURER STANDARD COLORS. 3. PROVIDE DISCONNECT SWITCH.														
CONTROL LEGENDS: \$ = WALL SWITCH R = BAS RELAY, BUILDING SCHEDULE O = OCCUPANCY SENSOR T = REVERSE ACTING THERMOSTAT SSP = SPACE STATIC PRESSURE SENSOR \$p = PROGRAMMABLE WALL SWITCH														

HOT WATER COIL SCHEDULE																			
GENERAL									HOT WATER COIL (EWT 180 /LWT 160), °F										
EQUIPMENT TAG	LOCATION	AREA SERVED	MANUF.	MODEL	APPROX. OVERALL DIMENSIONS (IN)			UNIT WT (LBS)	SA CFM	EAT (°F)	LAT (°F)	EWT / LWT (°F)	GPM	APD (”W.C.)	WPD (FT.)	ROWS / FINS PER IN.	GLYCOL (%)	CAPACITY (MBH)	NOTES
					L	W	H												
HWC-1	STR. 148A	FAMILY WAITING ROOM 138, CONFERENCE ROOM 115, GROUP THERAPY 148, PLAY THERAPY 147, PLAY THERAPY 146	NATIONWIDE COILS	HW12C02B10	19.25	28	6.5	23	1600	55	102.2	180.0 / 160.0	8	0.16	0.6	2 / 10	-	81.8	ALL
NOTES: 1 VERIFY EWT/LWT BEFORE INSTALLING. 2 PROVIDE MIN. 2 ROW COIL. 3 INSTALL COIL IN SUPPLY AIR DUCTWORK PER DETAIL 6 ON M6.01																			



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