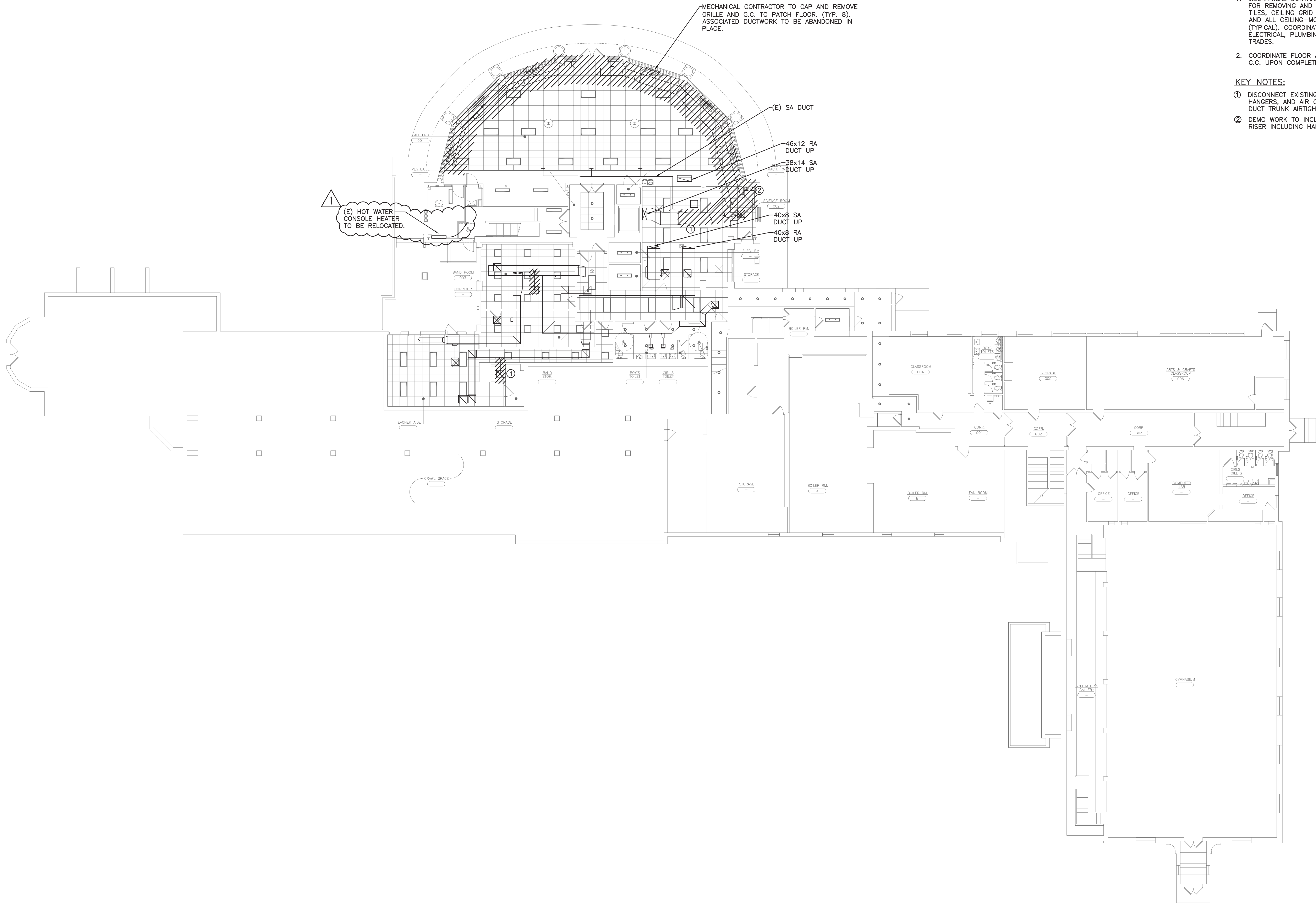
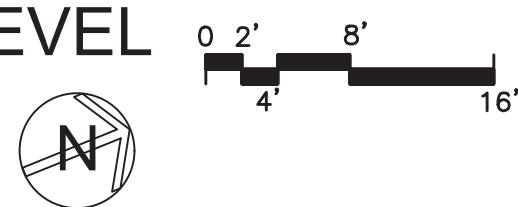




SEELY ELEMENTARY SCHOOL
MECHANICAL DEMO PLAN - LOWER LEVEL
1 SCALE: 3/32" = 1'-0"



NOTES:

- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR REMOVING AND RE-INSTALLING CEILING TILES, CEILING GRID SUSPENSION SYSTEM, AND ALL CEILING-MOUNTED DEVICES (TYPICAL). COORDINATE CEILING SCOPE WITH ELECTRICAL, PLUMBING, AND CONTROLS TRADES.
- COORDINATE FLOOR AND WALL PATCHING WITH G.C. UPON COMPLETION OF DEMO WORK.

KEY NOTES:

- DISCONNECT EXISTING BRANCH DUCT, HANGERS, AND AIR OUTLET. CAP AND SEAL DUCT TRUNK AIRTIGHT.
- DEMO WORK TO INCLUDE EXISTING DUCTWORK RISER INCLUDING HANGERS.

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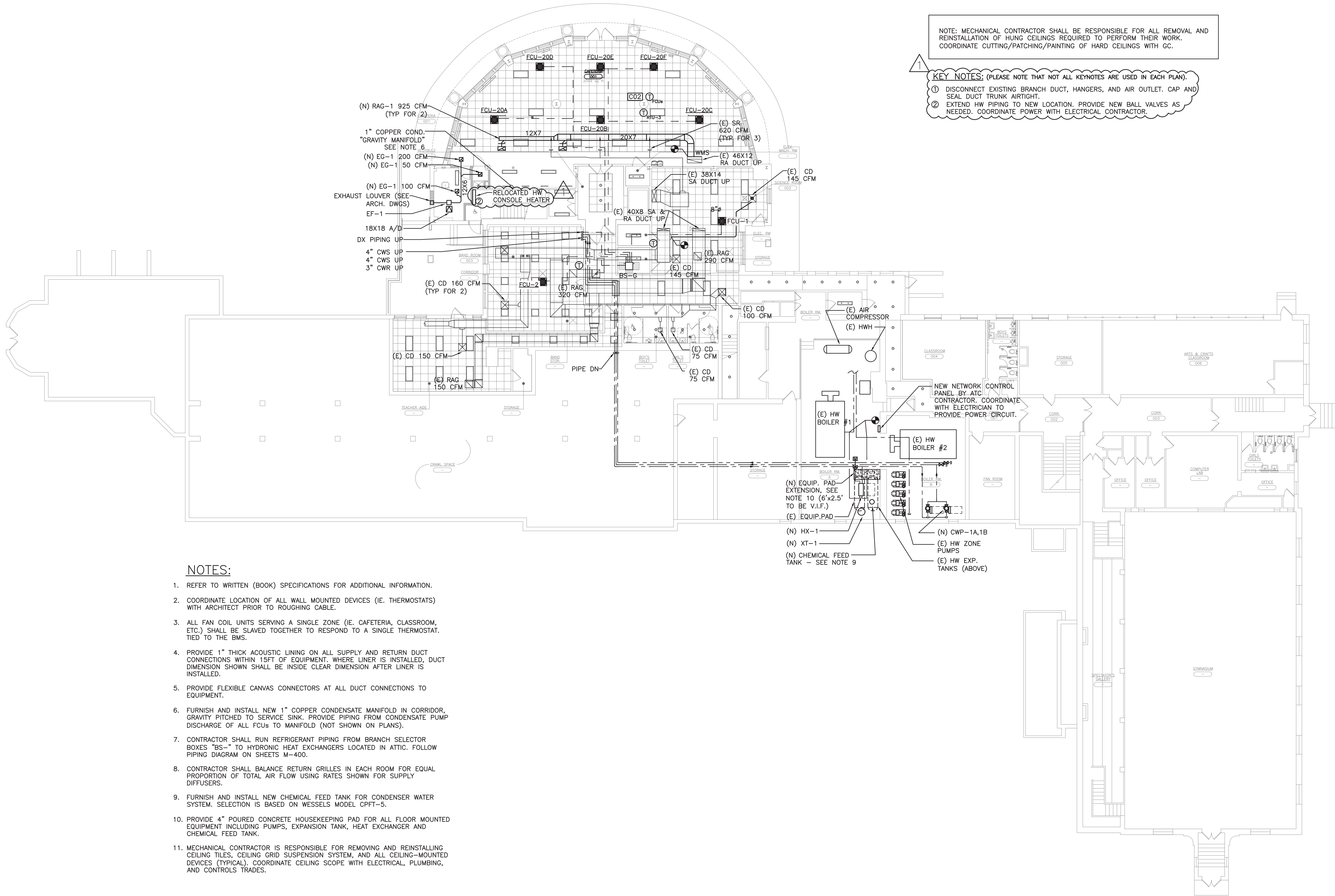
S.E.D. CONTROL NUMBER:
GREENVILLE ELEMENTARY SCHOOL
66-04-06-03-0-008-021
SEELY PLACE ELEMENTARY SCHOOL
66-04-06-03-0-001-019

PROJECT: SEELY PLACE ELEMENTARY SCHOOL
DRAWING TITLE: MECHANICAL DEMO PLAN
LOWER LEVEL

1-24-2023	ADDENDUM #1
1-06-2023	BID
DATE	ISSUED TO
SHEET SIZE 30"x42"	DRAWING NO. SPES MD100
SCALE AS NOTED	FILE NO. 21434.01
DRAWN BY LFG	

PLOT DATE: January 24, 2023 -- 10:46am

FILE: N:\Edgemont School District\Seely Place Elementary Phase 1\ACAD\Mechanical\SPES_M001_200_BID Addendum 1.dwg



NOTE: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVAL AND REINSTALLATION OF HUNG CEILING REQUIRED TO PERFORM THEIR WORK. COORDINATE CUTTING/PATCHING/PAINTING OF HARD CEILING WITH GC.

KEY NOTES: (PLEASE NOTE THAT NOT ALL KEYNOTES ARE USED IN EACH PLAN).

① DISCONNECT EXISTING BRANCH DUCT, HANGERS, AND AIR OUTLET. CAP AND SEAL DUCT TRUNK AIRTIGHT.

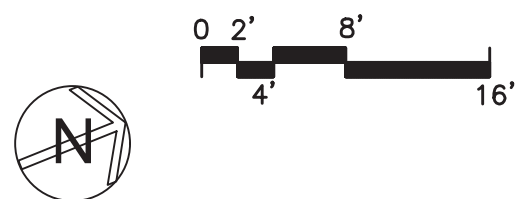
② EXTEND HW PIPING TO NEW LOCATION. PROVIDE NEW BALL VALVES AS NEEDED. COORDINATE POWER WITH ELECTRICAL CONTRACTOR.

NOTES:

- REFER TO WRITTEN (BOOK) SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- COORDINATE LOCATION OF ALL WALL MOUNTED DEVICES (IE. THERMOSTATS) WITH ARCHITECT PRIOR TO ROUGHING CABLE.
- ALL FAN COIL UNITS SERVING A SINGLE ZONE (IE. CAFETERIA, CLASSROOM, ETC.) SHALL BE SLAVED TOGETHER TO RESPOND TO A SINGLE THERMOSTAT. TIED TO THE BMS.
- PROVIDE 1" THICK ACOUSTIC LINING ON ALL SUPPLY AND RETURN DUCT CONNECTIONS WITHIN 15FT OF EQUIPMENT. WHERE LINER IS INSTALLED, DUCT DIMENSION SHOWN SHALL BE INSIDE CLEAR DIMENSION AFTER LINER IS INSTALLED.
- PROVIDE FLEXIBLE CANVAS CONNECTORS AT ALL DUCT CONNECTIONS TO EQUIPMENT.
- FURNISH AND INSTALL NEW 1" COPPER CONDENSATE MANIFOLD IN CORRIDOR, GRAVITY PITCHED TO SERVICE SINK. PROVIDE PIPING FROM CONDENSATE PUMP DISCHARGE OF ALL FCUs TO MANIFOLD (NOT SHOWN ON PLANS).
- CONTRACTOR SHALL RUN REFRIGERANT PIPING FROM BRANCH SELECTOR BOXES "BS-" TO HYDRONIC HEAT EXCHANGERS LOCATED IN ATTIC. FOLLOW PIPING DIAGRAM ON SHEETS M-400.
- CONTRACTOR SHALL BALANCE RETURN GRILLES IN EACH ROOM FOR EQUAL PROPORTION OF TOTAL AIR FLOW USING RATES SHOWN FOR SUPPLY DIFFUSERS.
- FURNISH AND INSTALL NEW CHEMICAL FEED TANK FOR CONDENSER WATER SYSTEM. SELECTION IS BASED ON WESSELS MODEL CPFT-5.
- PROVIDE 4" POURED CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR MOUNTED EQUIPMENT INCLUDING PUMPS, EXPANSION TANK, HEAT EXCHANGER AND CHEMICAL FEED TANK.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REINSTALLING CEILING TILES, CEILING GRID SUSPENSION SYSTEM, AND ALL CEILING-MOUNTED DEVICES (TYPICAL). COORDINATE CEILING SCOPE WITH ELECTRICAL, PLUMBING, AND CONTROLS TRADES.

SEELY ELEMENTARY SCHOOL MECHANICAL PLAN - LOWER LEVEL

SCALE: 3/32" = 1'-0"



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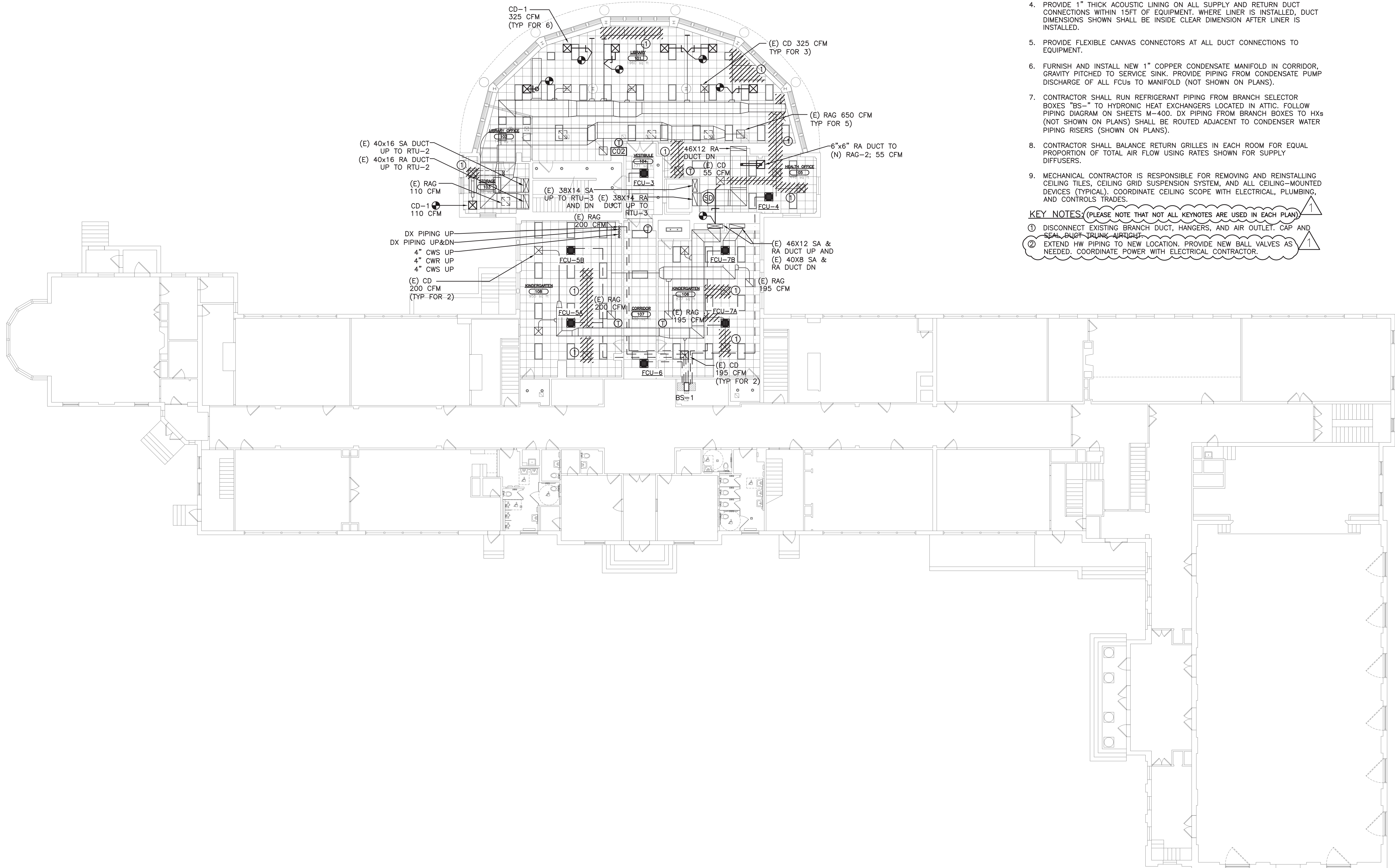
S.E.D. CONTROL NUMBER:
GREENVILLE ELEMENTARY SCHOOL
66-04-06-03-0-001-021
SEELY PLACE ELEMENTARY SCHOOL
66-04-06-03-0-001-019

PROJECT: SEELY PLACE ELEMENTARY SCHOOL
DRAWING TITLE: LOWER LEVEL MECHANICAL PLAN
DRAWING NO.: 21434.01

1-24-2023	ADDENDUM #1
1-06-2023	BID
DATE	ISSUED TO
SHEET SIZE 30"x42"	DRAWING NO. SPES M100
SCALE AS NOTED	FILE NO. 21434.01
DRAWN BY LFG	

PLOT DATE: January 24, 2023 -- 10:51am

FILE: N:\Edgemont School District\Seely Place Elementary Phase 1\ACAD\Mechanical\SPES_M001_200_BID Addendum 1.dwg



NOTES:

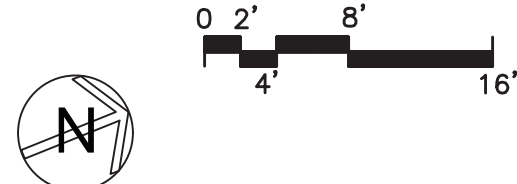
- REFER TO WRITTEN (BOOK) SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- COORDINATE LOCATION OF ALL WALL MOUNTED DEVICES (IE. THERMOSTATS) WITH ARCHITECT PRIOR TO ROUGHING CABLE.
- ALL FAN COIL UNITS SERVING A SINGLE ZONE (IE. CAFETERIA, CLASSROOM, ETC.) SHALL BE SLAVED TOGETHER TO RESPOND TO A SINGLE THERMOSTAT TIED TO THE BMS.
- PROVIDE 1" THICK ACOUSTIC LINING ON ALL SUPPLY AND RETURN DUCT CONNECTIONS WITHIN 15FT OF EQUIPMENT. WHERE LINER IS INSTALLED, DUCT DIMENSIONS SHOWN SHALL BE INSIDE CLEAR DIMENSION AFTER LINER IS INSTALLED.
- PROVIDE FLEXIBLE CANVAS CONNECTORS AT ALL DUCT CONNECTIONS TO EQUIPMENT.
- FURNISH AND INSTALL NEW 1" COPPER CONDENSATE MANIFOLD IN CORRIDOR, GRAVITY PITCHED TO SERVICE SINK. PROVIDE PIPING FROM CONDENSATE PUMP DISCHARGE OF ALL FCUs TO MANIFOLD (NOT SHOWN ON PLANS).
- CONTRACTOR SHALL RUN REFRIGERANT PIPING FROM BRANCH SELECTOR BOXES "BS-" TO HYDRONIC HEAT EXCHANGERS LOCATED IN ATTIC. FOLLOW PIPING DIAGRAM ON SHEETS M-400. DX PIPING FROM BRANCH BOXES TO HXs (NOT SHOWN ON PLANS) SHALL BE ROUTED ADJACENT TO CONDENSER WATER PIPING RISERS (SHOWN ON PLANS).
- CONTRACTOR SHALL BALANCE RETURN GRILLES IN EACH ROOM FOR EQUAL PROPORTION OF TOTAL AIR FLOW USING RATES SHOWN FOR SUPPLY DIFFUSERS.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REINSTALLING CEILING TILES, CEILING GRID SUSPENSION SYSTEM, AND ALL CEILING-MOUNTED DEVICES (TYPICAL). COORDINATE CEILING SCOPE WITH ELECTRICAL, PLUMBING, AND CONTROLS TRADES.

KEY NOTES: (PLEASE NOTE THAT NOT ALL KEYNOTES ARE USED IN EACH PLAN)

- DISCONNECT EXISTING BRANCH DUCT, HANGERS, AND AIR OUTLET. CAP AND SEAL DUCT PLUMB AIRTIGHT.
- EXTEND HW PIPING TO NEW LOCATION. PROVIDE NEW BALL VALVES AS NEEDED. COORDINATE POWER WITH ELECTRICAL CONTRACTOR.

SEELY ELEMENTARY SCHOOL MECHANICAL DEMO AND NEW WORK PLAN - FIRST FLOOR

1 SCALE: 3/32" = 1'-0"



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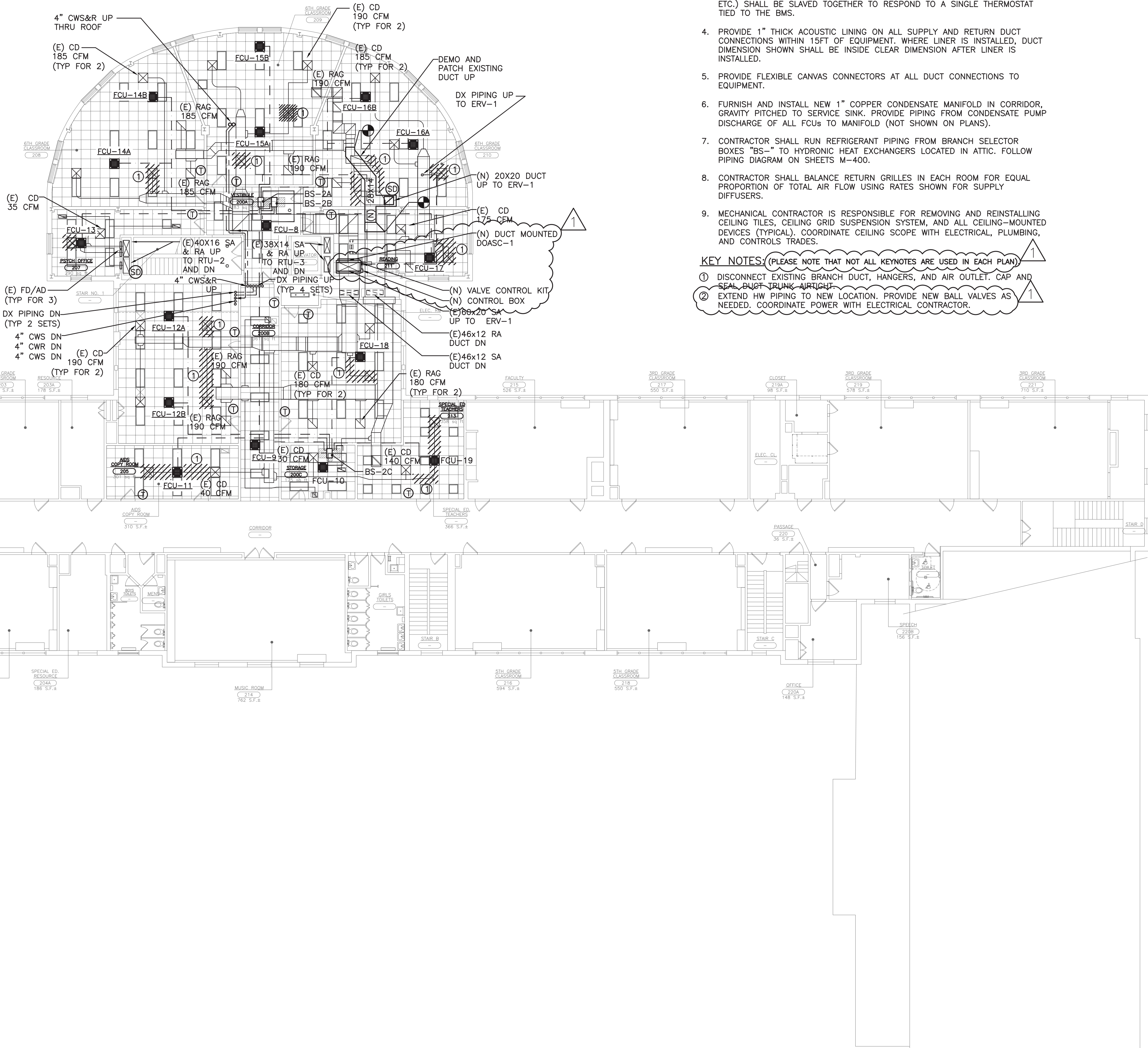
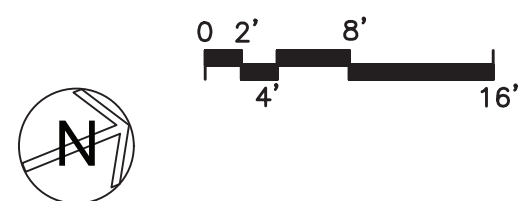
S.E.D. CONTROL NUMBER:
GREENVILLE ELEMENTARY SCHOOL
66-04-06-03-0-003-021
SEELY PLACE ELEMENTARY SCHOOL
66-04-06-03-0-001-019

PROJECT:
EDGEMONT SCHOOL DISTRICT
GREENVILLE ELEMENTARY SCHOOL
SEELY PLACE ELEMENTARY SCHOOL
PHASE 1 - HVAC & CAFETERIA
DRAWING TITLE:
FIRST FLOOR MECHANICAL PLAN

1-24-2023	ADDENDUM #1
1-06-2023	BID
DATE	ISSUED TO
SHEET SIZE: 30"x42"	DRAWING NO. SPES M101
SCALE: AS NOTED	FILE NO. 21434.01
DRAWN BY: LFG	

SEELY ELEMENTARY SCHOOL
MECHANICAL DEMO AND NEW WORK PLAN - SECOND FLOOR

1 SCALE: 3/32" = 1'-0"



NOTES:

- REFER TO WRITTEN (BOOK) SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- COORDINATE LOCATION OF ALL WALL MOUNTED DEVICES (IE. THERMOSTATS) WITH ARCHITECT PRIOR TO ROUGHING CABLE.
- ALL FAN COIL UNITS SERVING A SINGLE ZONE (IE. CAFETERIA, CLASSROOM, ETC.) SHALL BE SLAVED TOGETHER TO RESPOND TO A SINGLE THERMOSTAT TIED TO THE BMS.
- PROVIDE 1" THICK ACOUSTIC LINING ON ALL SUPPLY AND RETURN DUCT CONNECTIONS WITHIN 15FT OF EQUIPMENT. WHERE LINER IS INSTALLED, DUCT DIMENSION SHOWN SHALL BE INSIDE CLEAR DIMENSION AFTER LINER IS INSTALLED.
- PROVIDE FLEXIBLE CANVAS CONNECTORS AT ALL DUCT CONNECTIONS TO EQUIPMENT.
- FURNISH AND INSTALL NEW 1" COPPER CONDENSATE MANIFOLD IN CORRIDOR, GRAVITY PITCHED TO SERVICE SINK. PROVIDE PIPING FROM CONDENSATE PUMP DISCHARGE OF ALL FCUs TO MANIFOLD (NOT SHOWN ON PLANS).
- CONTRACTOR SHALL RUN REFRIGERANT PIPING FROM BRANCH SELECTOR BOXES "BS-" TO HYDRONIC HEAT EXCHANGERS LOCATED IN ATTIC. FOLLOW PIPING DIAGRAM ON SHEETS M-400.
- CONTRACTOR SHALL BALANCE RETURN GRILLES IN EACH ROOM FOR EQUAL PROPORTION OF TOTAL AIR FLOW USING RATES SHOWN FOR SUPPLY DIFFUSERS.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REINSTALLING CEILING TILES, CEILING GRID SUSPENSION SYSTEM, AND ALL CEILING-MOUNTED DEVICES (TYPICAL). COORDINATE CEILING SCOPE WITH ELECTRICAL, PLUMBING, AND CONTROLS TRADES.

KEY NOTES: (PLEASE NOTE THAT NOT ALL KEYNOTES ARE USED IN EACH PLAN)

- DISCONNECT EXISTING BRANCH DUCT, HANGERS, AND AIR OUTLET. CAP AND SEAL DUCT TRUNK AIRTIGHT.
- EXTEND HW PIPING TO NEW LOCATION. PROVIDE NEW BALL VALVES AS NEEDED. COORDINATE POWER WITH ELECTRICAL CONTRACTOR.

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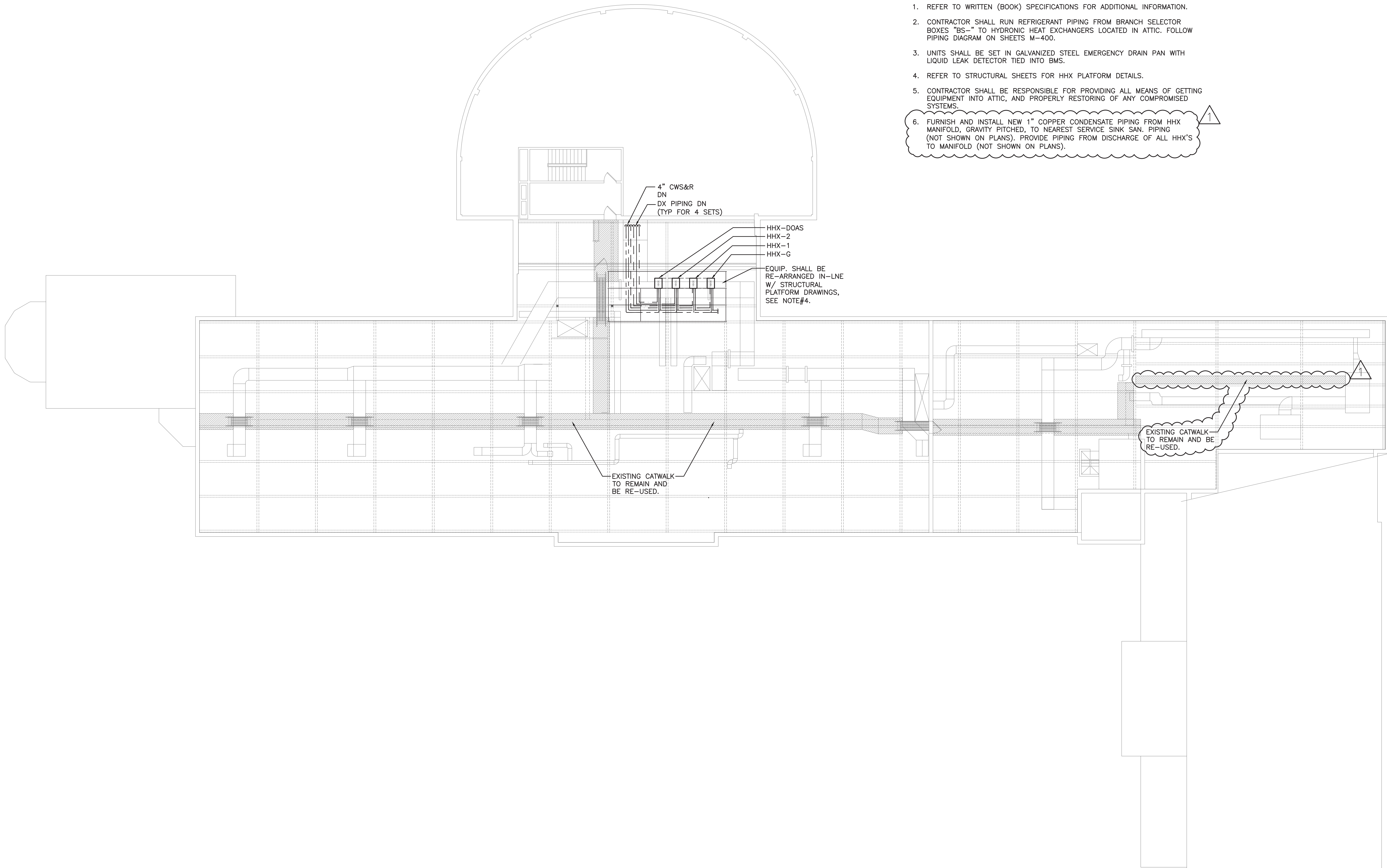
S.E.D. CONTROL NUMBER:
GREENVILLE ELEMENTARY SCHOOL
66-04-06-03-0-009-021
SEELY PLACE ELEMENTARY SCHOOL
66-04-06-03-0-001-019

PROJECT: SEELY PLACE ELEMENTARY SCHOOL
DRAWING TITLE: SECOND FLOOR MECHANICAL PLAN
DRAWING NO.: 21434.01

1-24-2023	ADDENDUM #1
1-06-2023	BID
DATE	ISSUED TO
SHEET SIZE 30"x42"	DRAWING NO. SPES M102
SCALE AS NOTED	FILE NO. 21434.01
DRAWN BY LFG	

PLOT DATE: January 24, 2023 -- 10:54am

FILE: N:\Edgemont School District\Seely Place Elementary Phase 1\ACAD\Mechanical\SPES_M001_200_BID Addendum 1.dwg



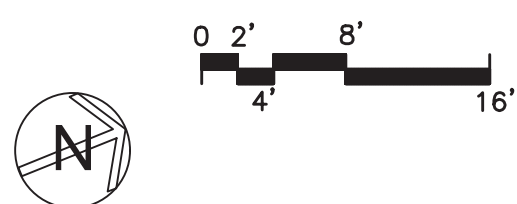
NOTES:

1. REFER TO WRITTEN (BOOK) SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL RUN REFRIGERANT PIPING FROM BRANCH SELECTOR BOXES "BS-" TO HYDRONIC HEAT EXCHANGERS LOCATED IN ATTIC. FOLLOW PIPING DIAGRAM ON SHEETS M-400.
3. UNITS SHALL BE SET IN GALVANIZED STEEL EMERGENCY DRAIN PAN WITH LIQUID LEAK DETECTOR TIED INTO BMS.
4. REFER TO STRUCTURAL SHEETS FOR HHX PLATFORM DETAILS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MEANS OF GETTING EQUIPMENT INTO ATTIC, AND PROPERLY RESTORING OF ANY COMPROMISED SYSTEMS.
6. FURNISH AND INSTALL NEW 1" COPPER CONDENSATE PIPING FROM HHX MANIFOLD, GRAVITY PITCHED, TO NEAREST SERVICE SINK SAN. PIPING (NOT SHOWN ON PLANS). PROVIDE PIPING FROM DISCHARGE OF ALL HHX'S TO MANIFOLD (NOT SHOWN ON PLANS).

SEELY ELEMENTARY SCHOOL

MECHANICAL PLAN - ATTIC

SCALE: 3/32" = 1'-0"



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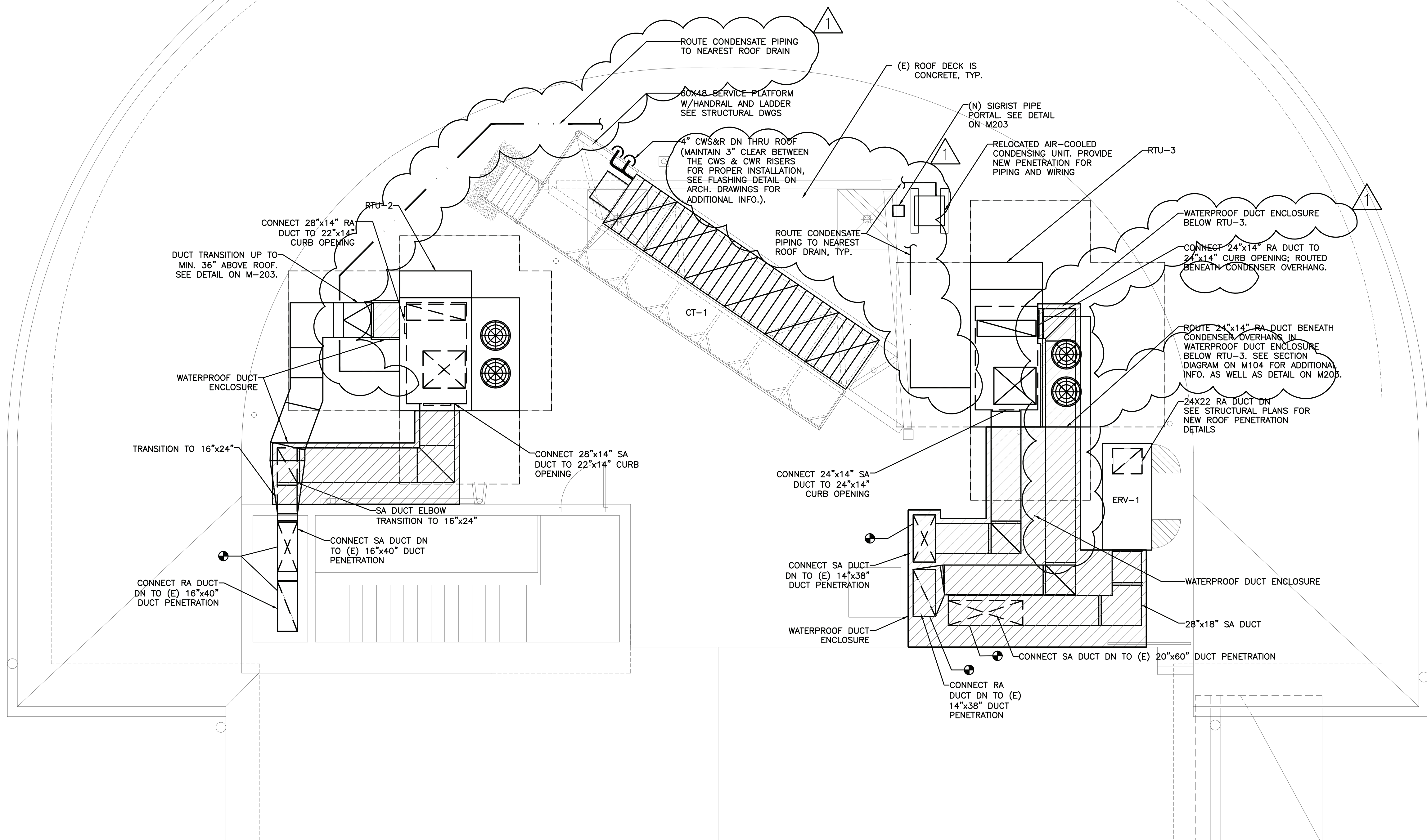
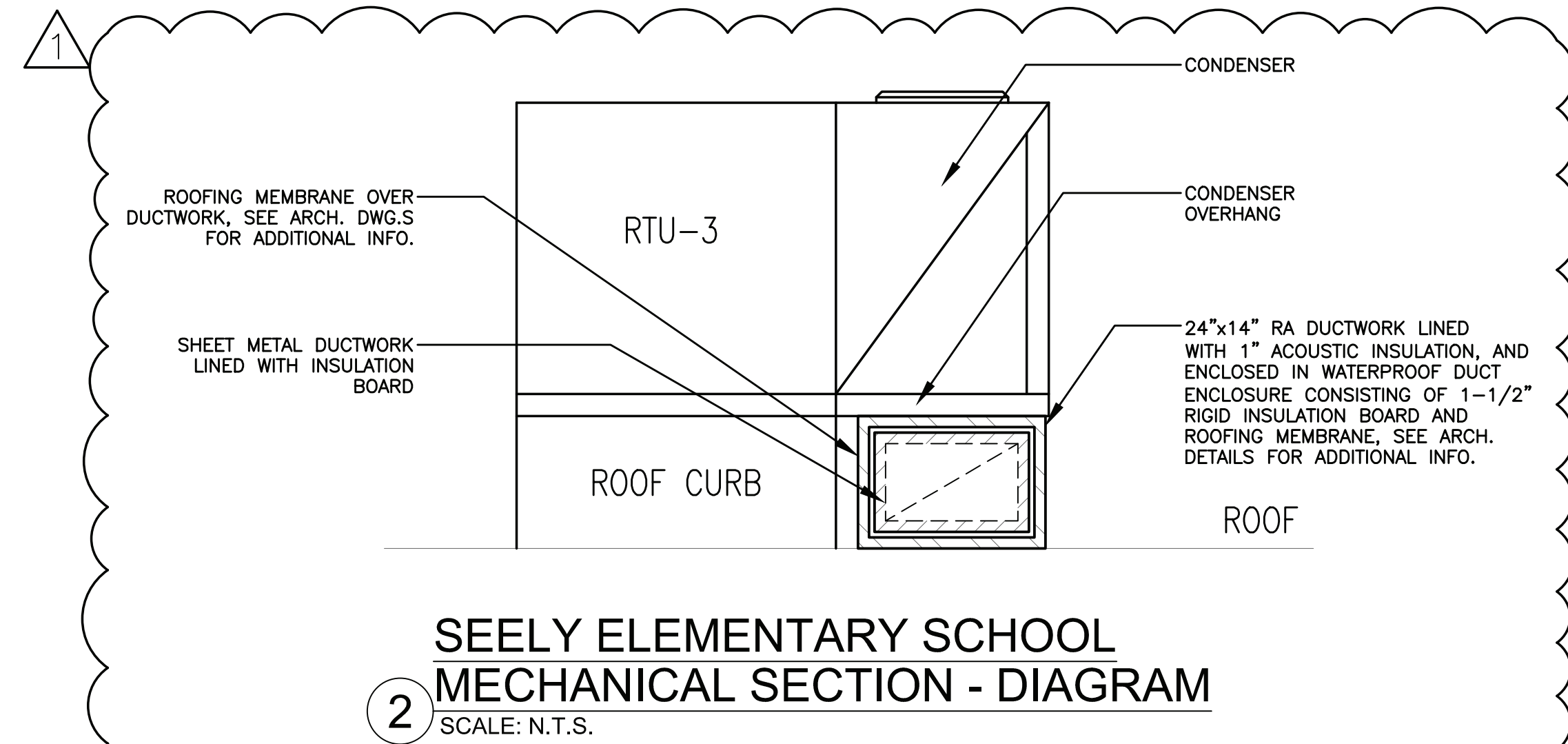
S.E.D. CONTROL NUMBER:
GREENVILLE ELEMENTARY SCHOOL
66-04-06-03-0-001-021
SEELY PLACE ELEMENTARY SCHOOL
66-04-06-03-0-001-019

PROJECT NAME:
EDGEMONT SCHOOL DISTRICT
GREENVILLE ELEMENTARY SCHOOL
SEELY PLACE ELEMENTARY SCHOOL
PHASE 1 - HVAC & CAFETERIA
DRAWING TITLE:
ATTIC MECHANICAL PLAN

1-24-2023	ADDENDUM #1
1-06-2023	BID
DATE	ISSUED TO
SHEET SIZE: 30"x42"	DRAWING NO. SPES M103
SCALE: AS NOTED	FILE NO. 21434.01
DRAWN BY: LFG	

NOTES:

1. REFER TO WRITTEN (BOOK) SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES TO ALL EQUIPMENT ON ROOF. DO NOT OBSTRUCT CLEARANCE WITH DUCTWORK OR OTHER OBJECTS.
3. ROOF PENETRATIONS FOR CW PIPING, GAS PIPING, ELECTRICAL POWER AND CONTROL WIRING SHALL BE MADE USING "SIGRIST PIPE CHASE HOUSINGS" AS MANUFACTURED BY ALTA PRODUCTS. SEE DETAIL ON DRAWING M203. PROVIDE SUBMITTAL FOR ENGINEERING REVIEW WITH HOUSING CONFIGURED FOR EACH INDIVIDUAL ROOF PENETRATION.
4. EXISTING ROOF DECK SHALL BE CONSIDERED CONCRETE UNLESS OTHERWISE NOTED.



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S.E.D. CONTROL NUMBER:
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66-04-06-03-0-001-021
SEELY PLACE ELEMENTARY SCHOOL
66-04-06-03-0-001-019

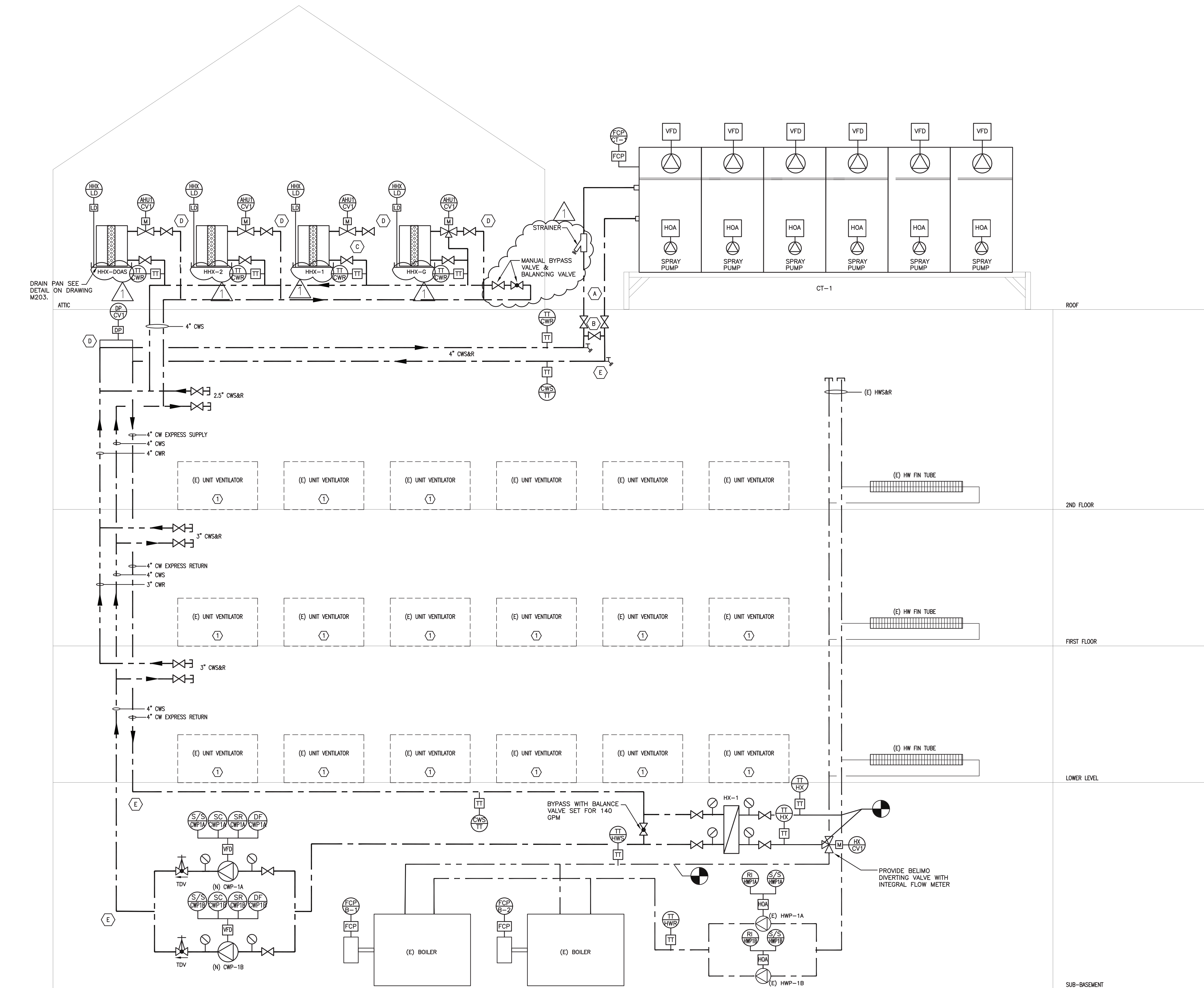
PROJECT:
EDGEMONT SCHOOL DISTRICT
GREENVILLE ELEMENTARY SCHOOL
SEELY PLACE ELEMENTARY SCHOOL
PHASE 1 - HVAC & CAFETERIA

DRAWING TITLE:
ROOF MECHANICAL PLAN

1-08-2023	ADDENDUM #1
1-06-2023	BID
DATE	ISSUED TO
SHEET SIZE: 30"x42"	DRAWING NO. SPES M104
SCALE: AS NOTED	FILE NO. 21434.01
DRAWN BY: LFG	

PLOT DATE: January 24, 2023 -- 10:55am

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CONDENSER WATER PIPING & CONTROL SCHEMATIC
NOT TO SCALE

KEY NOTES:

- (A) CW PIPING SHALL TRANSITION FROM SCHED 40 STEEL TO POLYPROPYLENE DIRECTLY BELOW THE ROOF. ALL PIPING ABOVE ROOF LINE SHALL BE POLYPROPYLENE WITH HEAT FUSION JOINTS. PIPING SELECTION IS BASED ON AQUATHERM PP-R.
- (B) PROVIDE MANUAL BYPASS VALVE BELOW ROOF, DIRECTLY BELOW COOLING TOWER.
- (C) AT EACH HYDRONIC HEAT EXCHANGER PROVIDE (2) ISOLATION VALVES, (1) MOTORIZED CONTROL VALVE AND (1) AUTOMATIC BALANCE VALVE.
- (D) PROVIDE AUTOMATIC AIR VENTS AT TOP OF RISERS
- (E) PROVIDE MANUAL DRAINS AT BOTTOM OF RISERS.

GENERAL CONTROL PANEL NOTE:

NETWORK CONTROL PANEL SHALL HAVE 200% CAPACITY TO OFFER SALABILITY IN-ORDER TO ACCOMMODATE FUTURE "PHASE-2" WORK.

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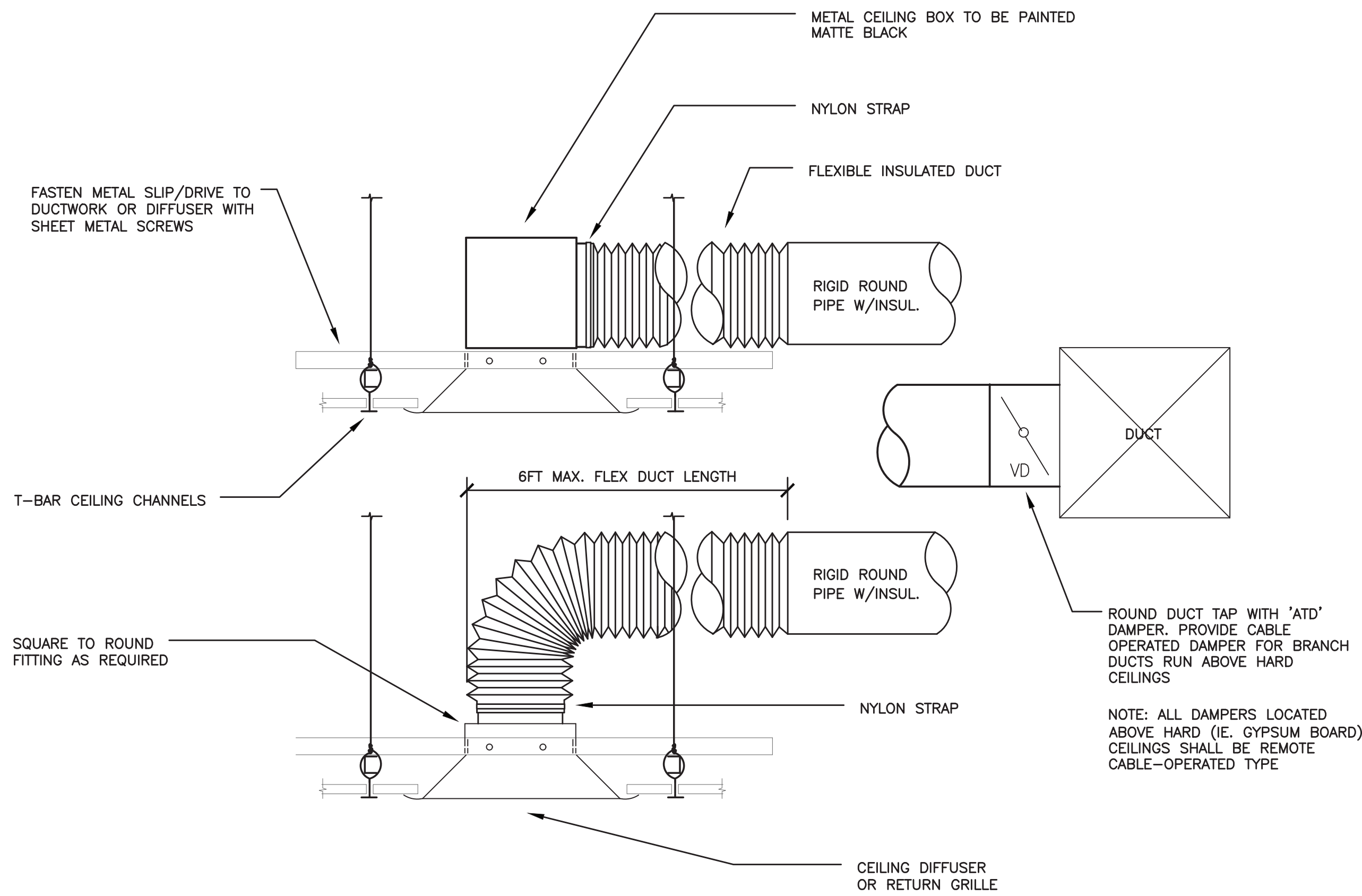
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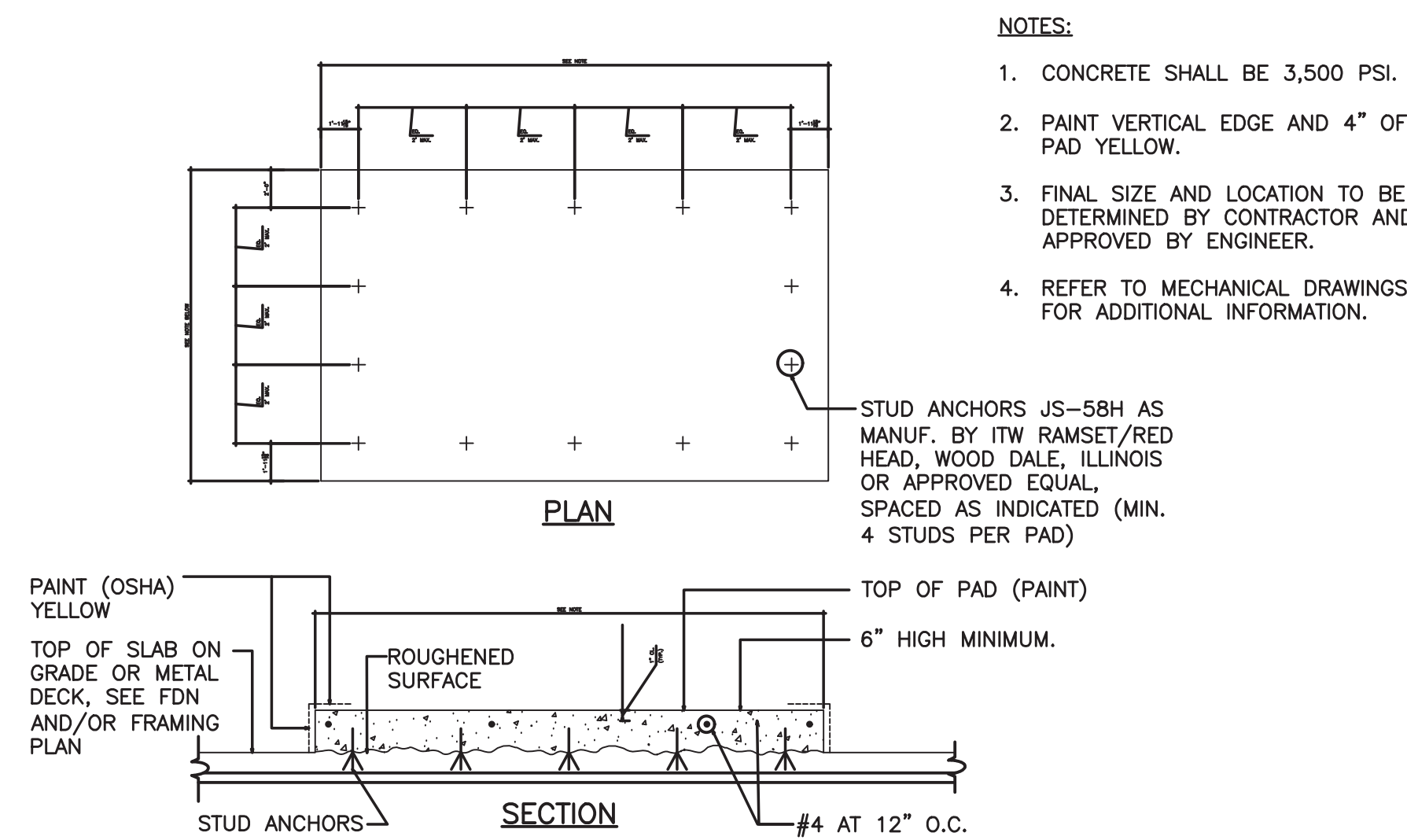
S.E.D. CONTROL NUMBER:
GREENVILLE ELEMENTARY SCHOOL
66-04-06-03-0-001-021
SEELY PLACE ELEMENTARY SCHOOL
66-04-06-03-0-001-019

PROJECT:
EDGEMONT SCHOOL DISTRICT
GREENVILLE ELEMENTARY SCHOOL
SEELY PLACE ELEMENTARY SCHOOL
PHASE 1 - HVAC & CRETERIA
DRAWING TITLE
MECHANICAL PIPING & CONTROLS
DIAGRAM

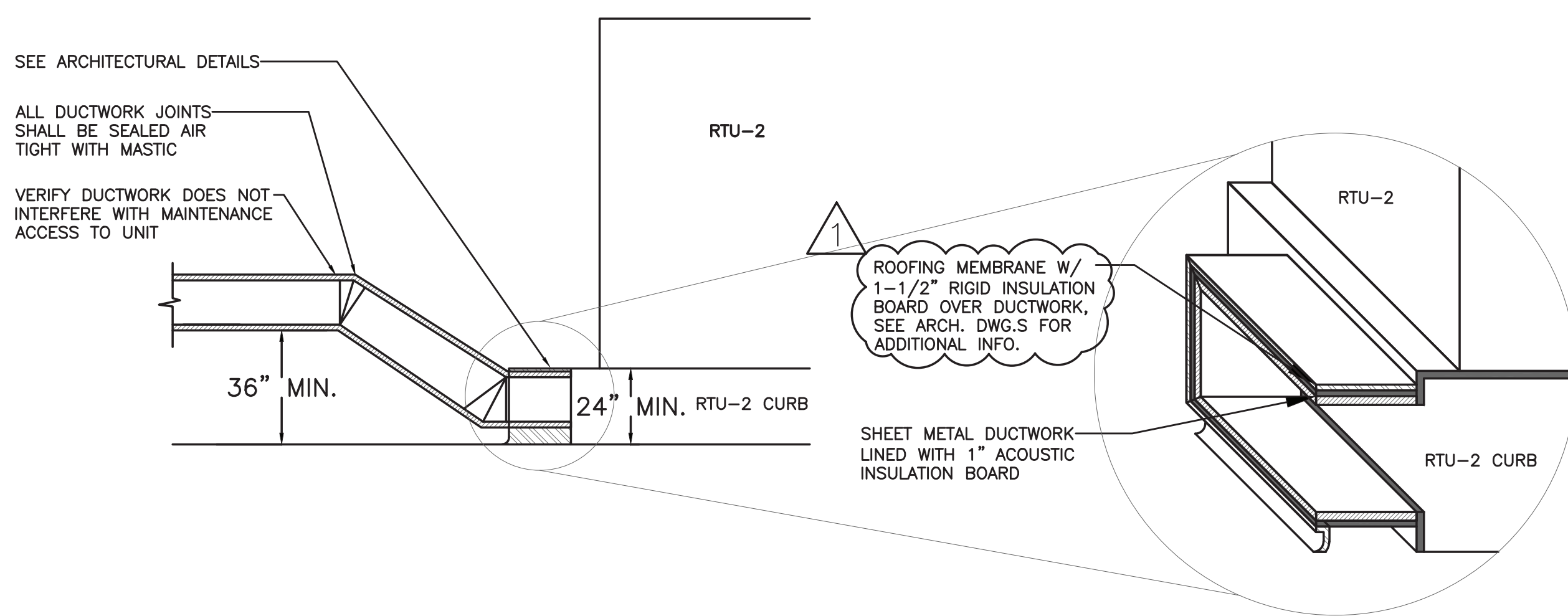
1-24-2023	ADDENDUM #1
1-06-2023	BID
DATE	ISSUED TO
SHEET SIZE 30"x42"	DRAWING NO. SPES M200
SCALE AS NOTED	FILE NO. 21434.01
DRAWN BY LFG	



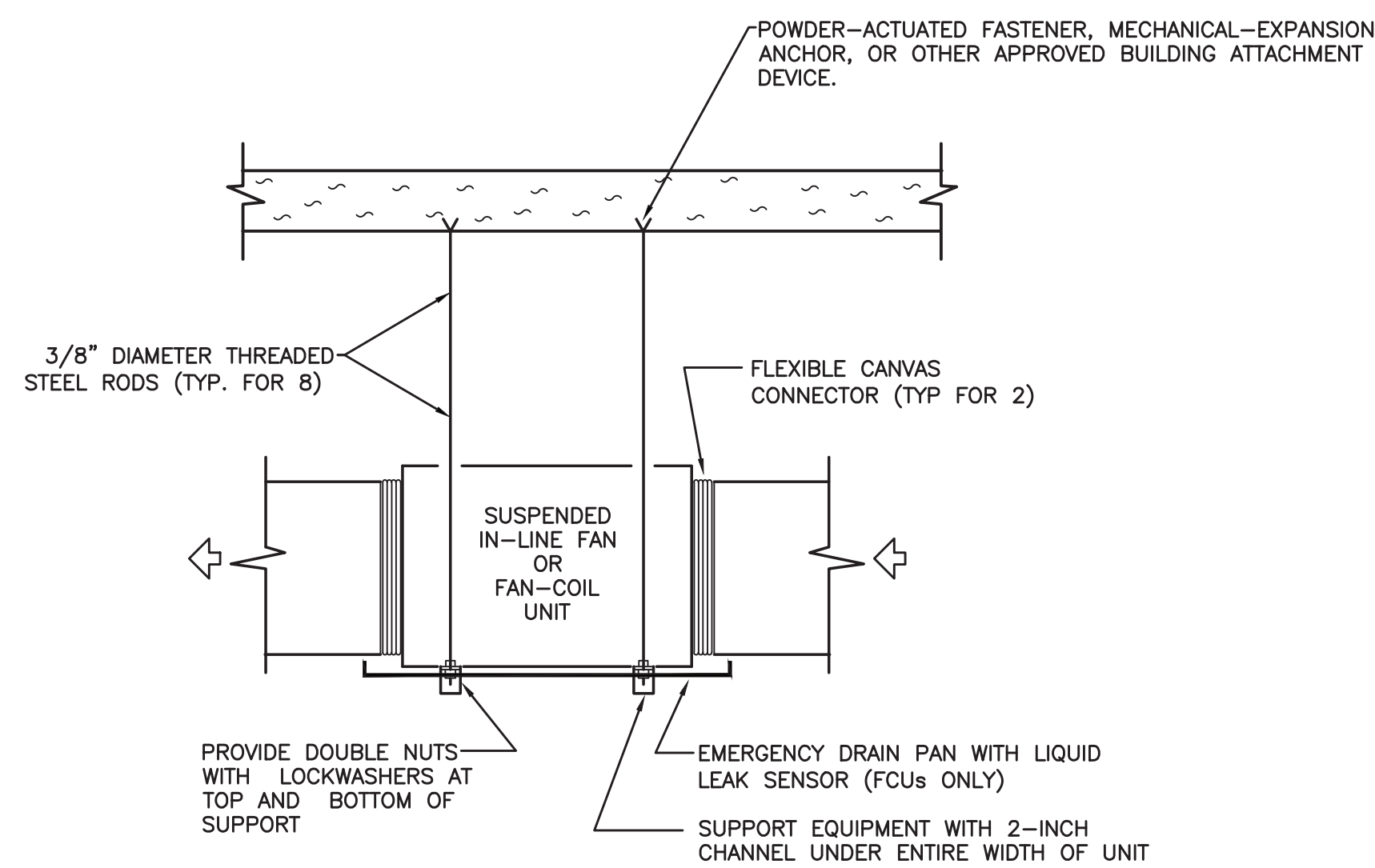
BRANCH DUCT DETAIL
NOT TO SCALE



CONCRETE EQUIPMENT PAD
NO SCALE



RTU-2 RETURN DUCTWORK DETAIL
NO SCALE



SUSPENDED EQUIPMENT DETAIL
TYPICAL FOR CEILING-MOUNTED FAN-COIL UNITS
AND EXHAUST FANS
NO SCALE

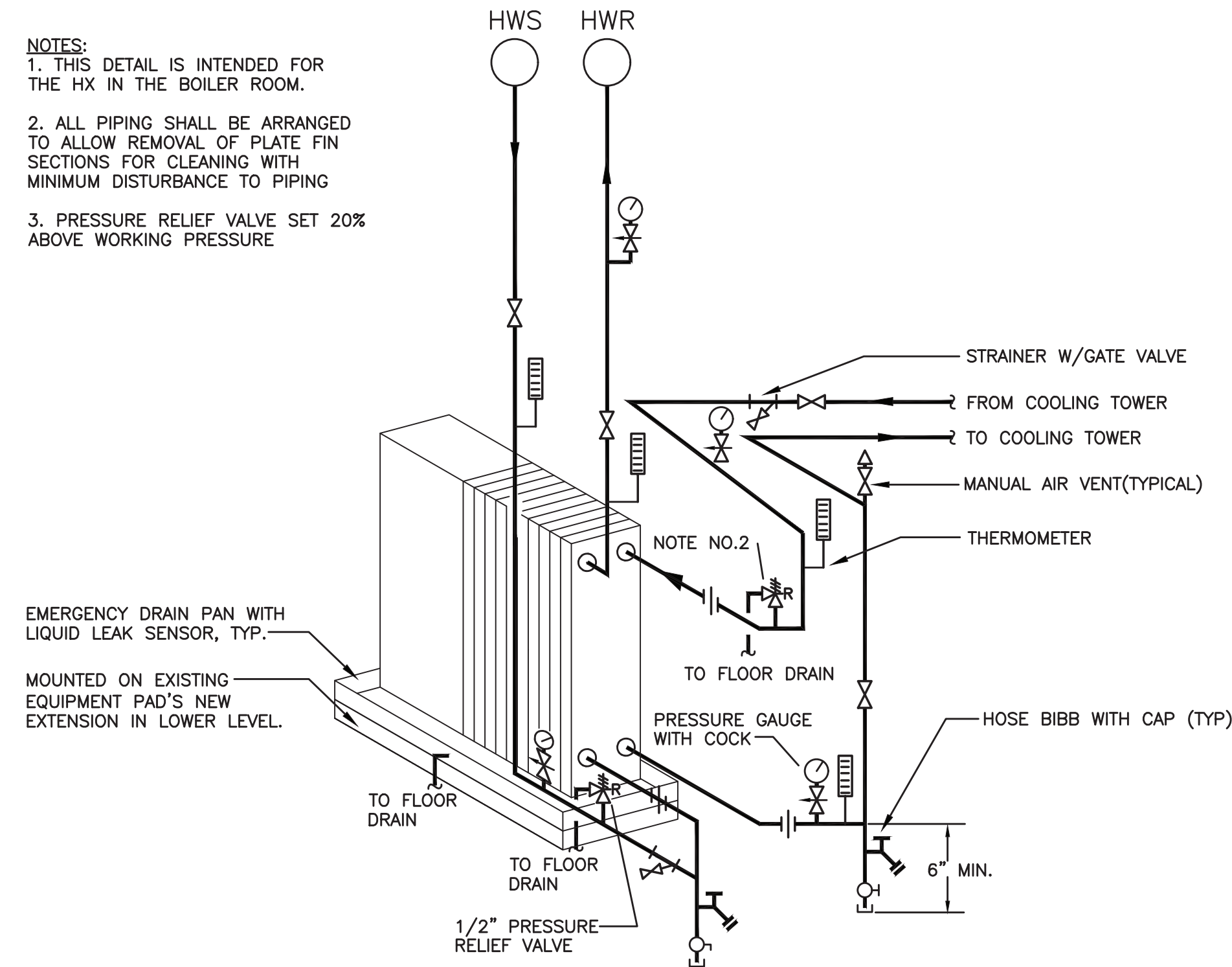
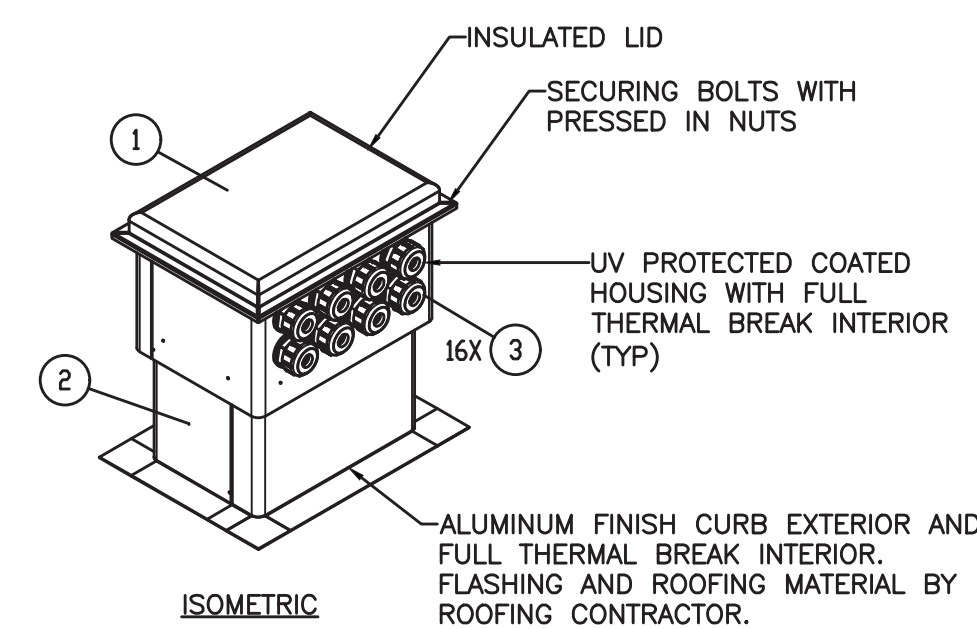


PLATE FRAME HEAT EXCHANGER PIPING (HX-1)
NO SCALE



NOTE:
SIGRIST TUBING CHASE HOUSING BY ALTA. VERIFY CURB OPENING SIZE WITH MANUFACTURER. SEE ROOFTOP PLAN FOR LOCATION AND FURTHER INFORMATION.

ITEM NO.	NOMENCLATURE	PART NUMBER	QTY.
1	MEDIUM HOUSING	AL-201412	1
2	MEDIUM CURB 14" TALL	AL-1014C	1
3	SIGRIST EXIT SEAL	N/A	16

PIPE PORTAL DETAIL
NO SCALE

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S.E.D. CONTROL NUMBER:
GREENVILLE ELEMENTARY SCHOOL
66-04-06-03-0-001-021
SEELY PLACE ELEMENTARY SCHOOL
66-04-06-03-0-001-019

PROJECT:
EDGEMONT SCHOOL DISTRICT
GREENVILLE ELEMENTARY SCHOOL
SEELY PLACE ELEMENTARY SCHOOL
PHASE 1 - HVAC & CATERIA

DRAWING TITLE
MECHANICAL DETAILS

1-24-2023
1-06-2023
DATE

ADDENDUM #1
BID
ISSUED TO

SHEET SIZE
30"x42"
SCALE
AS NOTED

DRAWN BY
LFG

FILE NO.
21434.01

SPES
M203

NEW VRF SPLIT HEAT PUMP SYSTEM SCHEDULE															
TAG	MFG	MODEL	PEAK AIRFLOW (CFM)	COOLING CAPACITY			HEATING CAPACITY			REFRIGERANT PIPING		ELECTRICAL			AREA SERVED
				TOTAL (BTUH)	SENS. (BTUH)	ENT. AIR D.B. (°F)	BTUH	ENT. AIR D.B. (°F)	LIQ.(IN.)	SUCTION(IN.)	VOLTAGE	MCA	MOCP		
FCU-1	DAIKIN	FXZQ18TAVJU	511	15,467	11,298	75.0	20,814	68.0	REFER TO PIPING DIAGRAMS FOR ALL DX PIPE SIZES.			208/1	0.6	15	[002] SCIENCE ROOM
FCU-2	DAIKIN	FXZQ18TAVJU	511	15,467	11,298	75.0	20,814	68.0				208/1	0.6	15	[003] BAND ROOM
FCU-3	DAIKIN	FXZQ05TAVJU	300	5,004	4,265	75.0	6,824	68.0				208/1	0.3	15	[104] VESTIBULE
FCU-4	DAIKIN	FXZQ09TAVJU	317	8,188	5,824	75.0	10,919	68.0				208/1	0.3	15	[105] HEALTH OFFICE
FCU-5A	DAIKIN	FXZQ09TAVJU	317	8,188	5,824	75.0	10,919	68.0				208/1	0.3	15	[106] KINDERGARTEN
FCU-5B	DAIKIN	FXZQ09TAVJU	317	8,188	5,824	75.0	10,919	68.0				208/1	0.3	15	[106] KINDERGARTEN
FCU-6	DAIKIN	FXZQ05TAVJU	300	5,004	4,265	75.0	6,824	68.0				208/1	0.3	15	[104] VESTIBULE
FCU-7A	DAIKIN	FXZQ12TAVJU	353	10,463	7,037	75.0	13,990	68.0				208/1	0.4	15	[108] KINDERGARTEN
FCU-7B	DAIKIN	FXZQ12TAVJU	353	10,463	7,037	75.0	13,990	68.0				208/1	0.4	15	[108] KINDERGARTEN
FCU-8	DAIKIN	FXZQ05TAVJU	300	5,004	4,265	75.0	6,824	68.0				208/1	0.3	15	[200A] VESTIBULE
FCU-9	DAIKIN	FXZQ05TAVJU	300	5,004	4,265	75.0	6,824	68.0				208/1	0.3	15	[200B] CORRIDOR
FCU-10	DAIKIN	FXZQ05TAVJU	300	5,004	4,265	75.0	6,824	68.0				208/1	0.3	15	[200C] STORAGE
FCU-11	DAIKIN	FXZQ07TAVJU	307	6,596	5,133	75.0	8,872	68.0				208/1	0.3	15	[205] AIDES COPY RM
FCU-12A	DAIKIN	FXZQ09TAVJU	317	8,188	5,824	75.0	10,919	68.0				208/1	0.3	15	[206] 5TH GR. SPECIAL ED
FCU-12B	DAIKIN	FXZQ09TAVJU	317	8,188	5,824	75.0	10,919	68.0				208/1	0.3	15	[206] 5TH GR. SPECIAL ED
FCU-13	DAIKIN	FXZQ09TAVJU	317	8,188	5,824	75.0	10,919	68.0				208/1	0.3	15	[207] PSYCH OFFICE
FCU-14A	DAIKIN	FXZQ15TAVJU	405	13,079	9,333	75.0	17,743	68.0				208/1	0.4	15	[208] 6TH GR. CLASSROOM
FCU-14B	DAIKIN	FXZQ15TAVJU	405	13,079	9,333	75.0	17,743	68.0				208/1	0.4	15	[208] 6TH GR. CLASSROOM
FCU-15A	DAIKIN	FXZQ15TAVJU	405	13,079	9,333	75.0	17,743	68.0				208/1	0.4	15	[209] 6TH GR. CLASSROOM
FCU-15B	DAIKIN	FXZQ15TAVJU	405	13,079	9,333	75.0	17,743	68.0				208/1	0.4	15	[209] 6TH GR. CLASSROOM
FCU-16A	DAIKIN	FXZQ12TAVJU	353	10,463	7,037	75.0	13,990	68.0				208/1	0.4	15	[210] 6TH GR. CLASSROOM
FCU-16B	DAIKIN	FXZQ12TAVJU	353	10,463	7,037	75.0	13,990	68.0				208/1	0.4	15	[210] 6TH GR. CLASSROOM
FCU-17	DAIKIN	FXZQ12TAVJU	353	10,463	7,037	75.0	13,990	68.0				208/1	0.4	15	[211] READING
FCU-18	DAIKIN	FXZQ18TAVJU	511	15,467	11,298	75.0	20,814	68.0				208/1	0.6	15	[212] 5TH GR. CLASSROOM
FCU-19	DAIKIN	FXZQ12TAVJU	353	10,463	7,037	75.0	13,990	68.0				208/1	0.4	15	[213] SPECIAL ED TEACHERS
FCU-20A	DAIKIN	FXZQ18TAVJU	511	15,467	11,298	75.0	20,814	68.0				208/1	0.6	15	[001] CAFETERIA
FCU-20B	DAIKIN	FXZQ18TAVJU	511	15,467	11,298	75.0	20,814	68.0	208/1	0.6	15	[001] CAFETERIA			
FCU-20C	DAIKIN	FXZQ18TAVJU	511	15,467	11,298	75.0	20,814	68.0	208/1	0.6	15	[001] CAFETERIA			
FCU-20D	DAIKIN	FXZQ18TAVJU	511	15,467	11,298	75.0	20,814	68.0	208/1	0.6	15	[001] CAFETERIA			
FCU-20E	DAIKIN	FXZQ18TAVJU	511	15,467	11,298	75.0	20,814	68.0	208/1	0.6	15	[001] CAFETERIA			
DOASC-1	OXYGEN8	3EN1208A/3CN1208A	3,030	145,700	87,100	79.0	166,500	72.0	-/-	-	-	ERV-1			
NOTES: 1. ALL EQUIPMENT SHALL OPERATE WITH R-410A REFRIGERANT. 2. ALL UNITS SHALL BE FURNISHED WITH FACTORY CONDENSATE PUMPS. 3. ALL EQUIPMENT SHALL BE FURNISHED WITH BACNET CARDS FOR INTEGRATION INTO BAS. COORDINATE WITH ATC CONTRACTOR. 3. PROVIDE 7-DAY PROGRAMMABLE THERMOSTATS WITH LCD DISPLAY AT LOCATIONS SHOWN ON PLANS. DEVICES SHALL BE NETWORKED TO BAS.															

NEW HYDRONIC-TO-REFRIGERANT HEAT EXCHANGER SCHEDULE (PHASE I)															
TAG	MAKE	MODEL	COOLING		HEATING		FLUID	FLOW RATE (GPM)	ELECTRICAL			UNIT WEIGHT (LBS)	NOTES	ASSOC. BRANCH BOX(S)	BRANCH BOX MODEL
			CAPACITY (MBH)	EWI/LWT (°F)	CAPACITY (MBH)	EWI/LWT (°F)			VOLTAGE/PHASE	MCA (A)	MFS (A)				
HHX-G	DAIKIN	RWEQ120TATJA-HR	117.7	85.0/94.3	160.8	68.0/58.6	WATER	30.0	208/3	36.5	45.0	423.3	1,2,3	BS-G	BSF6Q54TVJ
HHX-1	DAIKIN	RWEQ96TATJA-HR	100.1	85.0/94.7	136.2	68.0/57.8	WATER	24.0	208/3	28.8	35.0	418.9	1,2,3	BS-1, BS-2A	BSF4Q54TVJ, BSF6Q54TVJ
HHX-2	DAIKIN	RWEQ96TATJA-HR	98.1	85.0/94.5	134.5	68.0/58.0	WATER	24.0	208/3	28.8	35.0	418.9	1,2,3	BS-2B, BS-2C	BSF4Q54TVJ, BSF6Q54TVJ
HHX-DOAS	DAIKIN	RWEQ144TATJA	144.6	85.0/94.6	167.1	68.0/60.1	WATER	36.0	208/3	44.6	60.0	423.3	1,2,3	DOAS-1	EKEV400-US
NOTES:															
1. ALL EQUIPMENT SHALL OPERATE WITH R-410A REFRIGERANT.															
2. ALL EQUIPMENT SHALL BE FURNISHED WITH BACNET CARDS FOR INTEGRATION INTO BAS. COORDINATE WITH ATC CONTRACTOR.															
3. PROVIDE GALVANIZED STEEL EMERGENCY DRAIN PAN BELOW EACH UNIT WITH LIQUID LEAK DETECTOR.															
GENERAL PHASE NOTE:															
PHASE-I: INFO ABOVE IS BASED ON A 3 GPM/TON.															
PHASE-II: HHX'S ABOVE SHALL BE RE-CALIBRATED TO 2 GPM/TON.															

NEW PACKAGED GAS-ELECTRIC ROOFTOP UNIT SCHEDULE																				
TAG	MFG	MODEL NO.	SERIAL NO.	AIR FLOW (CFM)		MOTOR HP	ESP (IN. WC)	COOLING							NAT. GAS HEAT		VOLTAGE	MCA	MOCP	WEIGHT (LBS)
				TOTAL	OUTDOOR			TOTAL (MBH)	SENSIBLE (MBH)	ENT AIR DB	AIR WB	LEAV. AIR DB	AIR WB	EER	INPUT (MBH)	OUTPUT (MBH)				
RTU-2	DAIKIN	DPS007A		3035	475	4.0	1.00	95.4	75.1	76.9	64.6	54.3	54.2	12.1	200	160	208/3	49.0	60	2232
RTU-3	DAIKIN	DPS007A		2650	1850	4.0	1.00	94.5	69.2	76.7	64.8	52.8	52.8	12.1	200	160	208/3	49.0	60	2482
NOTES:																				
1. UNITS SHALL BE FURNISHED WITH BACNET CARDS FOR INTEGRATION INTO BAS. COORDIANTE WITH ATC CONTRACTOR.																				
2. CONTRACTOR SHALL PROVIDE SMOKE DETECTORS IN RA DUCT AS INDICATED ON PLANS.																				
3. CONFIRM NAT. GAS AND VERIFY WHETHER REGULATOR IS REQUIRED AT EACH UNIT.																				
4. CONTRACTOR TO PROVIDE NEW HORIZONTAL OUTLET VIBRATION ISOLATION CURBS BY CAMBRIDGEPORT.																				
5. UNITS SHALL INCLUDE FACTORY VFD, DISCONNECT SWITCHED AND GFI RECEPTACLE.																				

ENERGY RECOVERY VENTILATOR SCHEDULE														
TAG	LOCATION	MFR/ MODEL	CFM	ESP (N. WC)	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	OUTSIDE AIR		SUPPLY AIR		ELECTRICAL			WEIGHT
							WINTER DB/WB (F)	SUMMER DB/WB (F)	WINTER DB/WB (F)	SUMMER DB/WB (F)	VOLT	MCA	MOCP	
ERV-1	ROOF	OXYGEN8/C400U	4245	1.5	204.0	233.1	12.7/12.6	86.5/72.1	50.3/40.0	79.0/67.5	208V-3ø	27.33	35	1225
NOTES: 1. UNIT SHALL BE FURNISHED WITH BACNET CARD FOR INTEGRATION INTO BAS. COORDIANTE WITH ATC CONTRACTOR. 2. CONTRACTOR SHALL PROVIDE SMOKE DETECTORS IN RA DUCT AS INDICATED ON PLANS. 3. CONTRACTOR TO PROVIDE NEW HORIZONTAL OUTLET VIBRATION ISOLATION CURB BY CAMBRIDGEPORT. 4. UNIT SHALL BE FURNISHED WITH LOW LEAKAGE MOTORIZED EXHAUST AND OUTDOOR AIR DAMPERS. 5. UNIT SHALL FEATURE ECM BLOWERS. 6. PROVIDE FACTORY DISCONNECT SWITCH.														

EXHAUST FAN SCHEDULE									
TAG	MFG	MODEL	AIR FLOW (CFM)	STATIC PRESS. (IN. H2O)	RPM	WATTS	VOLTAGE	FLA	NOTES
EF 1-1	COOK	90SQN17DEC	350	0.3	1725	106	115-1-60	-	58 CAFETERIA 1,2,3
NOTES: 1. FAN SHALL BE EQUIPPED WITH FACTORY DISCONNECT SWITCH. 2. FAN SHALL BE EQUIPPED WITH FACTORY BACKDRAFT DAMPER. 3. FAN SHALL BE INTEGRATED INTO BY BAS BY ATC CONTRACTOR.									

AIR OUTLET SCHEDULE					
TAG	MFG	MODEL	AIRFLOW (CFM)	SIZE	NOTES
CD-1	TITUS	OMNI	SEE DWGS	24X24	1
RAG-1	TITUS	35ORL	SEE DWGS	24X12	1
RAG-2	TITUS	35ORL	SEE DWGS	24X24	1
EG-1	TITUS	SOFF	SEE DWGS	12X12	1
NOTES: 1. ALL AIR OUTLETS SHALL BE WHITE UNLESS OTHERWISE NOTED ON ARCHITECTURAL PLANS.					

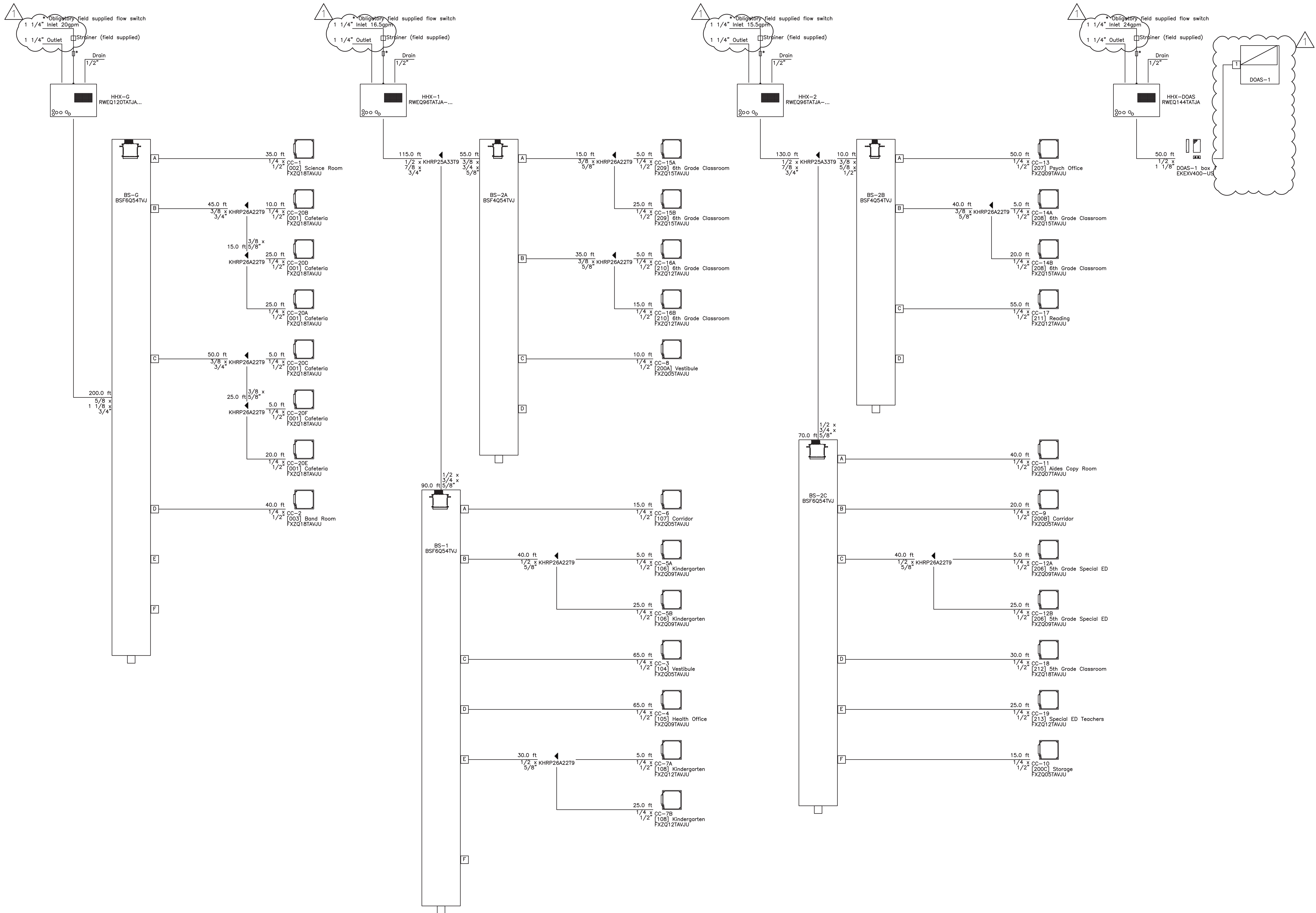
COOLING TOWER SCHEDULE									
TAG		CT-1							
MAKE		B.A.C.							
MODEL		NXF-0403N-CS2TT-H6							
OPERATING WT (LBS)		16,576							
FLUID		WATER							
NET CAPACITY (TONS)		38				140			
TOTAL HEAT REJECTION (MBH)		570				2097			
AIR FLOW (CFM)		—				33,664			
FLOW RATE (GPM)		114				280			
COIL PRESSURE DROP (FT)		1.0				4.8			
ENTERING WATER TEMP. (°F)		92.0				100.0			
LEAVING WATER TEMP. (°F)		82.0				85.0			
AMBIENT AIR WET BULB TEMP. (°F)		78.0							
FAN	TYPE	AXIAL							
	QTY	6							
	HP (EACH)	5.0							
SPRAY PUMP	TYPE	PSC MOTOR							
	QTY	6							
	HP (EACH)	0.50							
ELECTRICAL	VOLTAGE	208/3ø							
	MCA	90.7							
	MOCp	100							

NOTES:

1. TOWER HAS BEEN SELECTED WITH APPROX. 75% FUTURE HEAT REJECTION CAPACITY.

2. PROVIDE FACTORY COOLING TOWER CONTROLLER TO CONTROL SPRAY PUMPS AND FANS TO MAINTAIN LEAVING WATER TEMPERATURE.

3. PROVIDE BAGNET CARD FOR BAS INTEGRATION.



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