

GENERAL NOTES

1. ALL WORK SHALL CONFORM WITH ALL STATE AND LOCAL CODES.
2. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES AND TAXES.
3. EACH ITEM OF EQUIPMENT SHALL BE MOUNTED AND CONNECTED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS & SHALL BE U.L. LISTED, AS SPECIFIED.
4. CONTRACTOR SHALL MAKE AN ON-SITE INSPECTION TO DETERMINE FULLY THE EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION.
5. LOCATION OF EQUIPMENT AND OTHER MECHANICAL WORK IS INDICATED DIA-GRAMMATICALLY BY THE DRAWINGS. DETERMINE EXACT LOCATIONS ON THE JOB SITE, SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF OTHER CONTRACTORS.
6. AFTER INSTALLATION AND START-UP, EACH ITEM OF EQUIPMENT SHALL BE THOROUGHLY CHECKED FOR VIBRATION TRANSMISSION TO THE STRUCTURE OR EXCESSIVE NOISE, AND IF EITHER OCCURS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING THE FAULTY SITUATION IMMEDIATELY.
7. ALL EXISTING EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE OWNER AND SHALL BE REMOVED, STORED, OR DISPOSED OF AT THE DIRECTION OF THE OWNER.
8. ALL OPENINGS IN ROOF, WALLS, CEILING AND FLOORS RESULTING FROM DEMOLITION SHALL BE CLOSED AND FINISHED TO MATCH THE SURROUNDING AREAS.
9. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF MECHANICAL EQUIPMENT'S ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR. CONTRACTOR ORIGINATED MODIFICATIONS TO THE MECHANICAL EQUIPMENT'S ELECTRICAL INSTALLATION, DUE TO DEVIATIONS FROM THE MECHANICAL EQUIPMENT'S "BASIS OF DESIGN" OR "PROTOTYPE" ELECTRICAL DATA, SHALL BE AT A COST TO THE MECHANICAL CONTRACTOR.
10. SIZES AND LOCATIONS OF EXISTING PIPING SHOWN ON THESE DRAWINGS ARE TAKEN FROM AVAILABLE DRAWINGS OF EXISTING BUILDING. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF EXISTING PIPING BEFORE PURCHASING NEW MATERIALS AND EQUIPMENT OR FABRICATION.
11. CONTRACTOR SHALL BLEED ALL AIR FROM THE CHILLED WATER SYSTEM AFTER REFILLING. THIS INCLUDES PIPING IN THE BOILER ROOM AND THE ENTIRE BUILDING. INSTALL ANY ADDITIONAL BLEEDERS, AIR VENT AS REQUIRED TO REMOVE AIR THROUGHOUT THE ENTIRE BUILDING.
12. CONTRACTOR SHALL FURNISH AND INSTALL BLEED VALVES AT THE HIGH POINTS OF ALL NEW PIPING.



- THE FOLLOWING ITEMS MUST BE COMPLETED BY THE CONTRACTOR BEFORE ANY WORK COULD BE PERFORMED AT THE SCHOOL.
- 1 PROVIDE TRADE PERMITS TO THE OWNER.
 - 2 SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE PRINCIPAL AND OWNER.
 - 3 SUBMIT WRITTEN PROPOSAL FROM THE CONTROL SUB-CONTRACTOR WITH THE SCOPE OF WORK. CONTROL CONTRACTOR CAN NOT START THEIR WORK UNTIL MR. SERGHEI MALCOV HAS BEEN NOTIFIED.

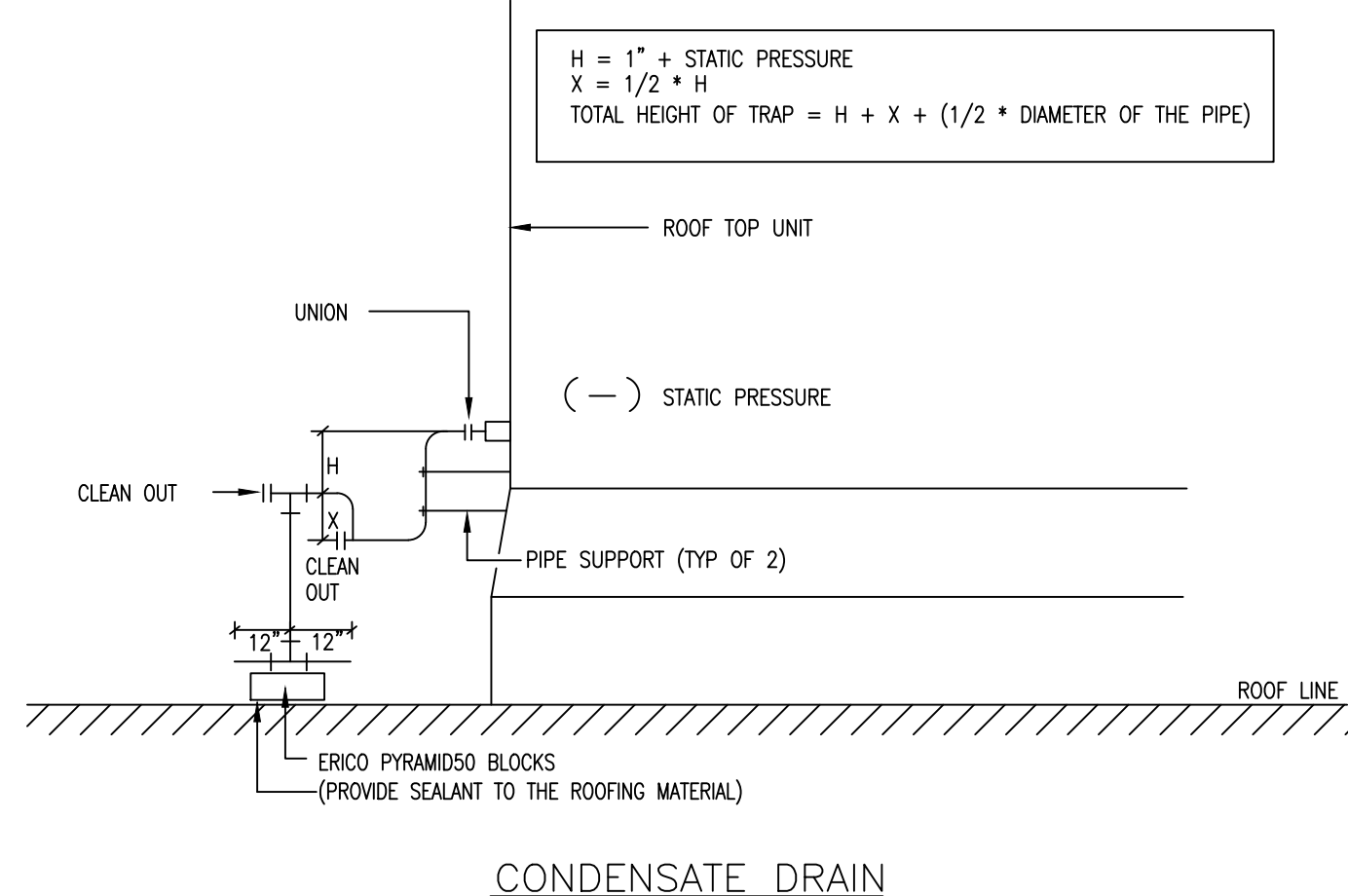
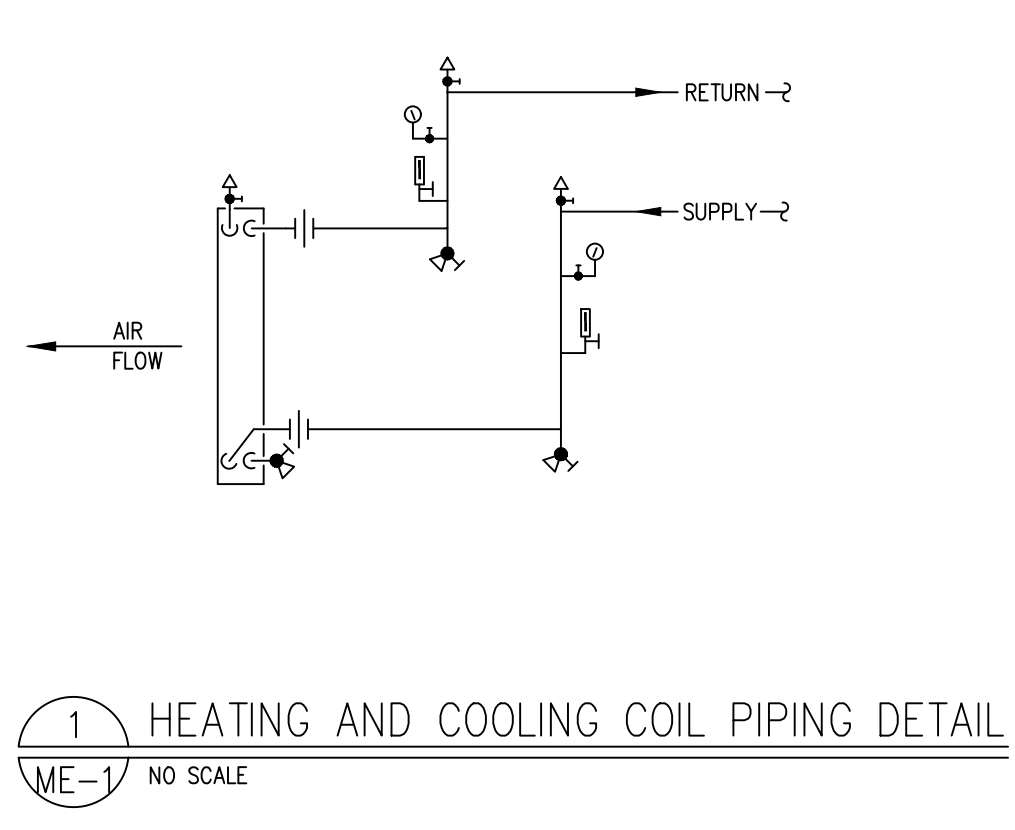
- ROOFTOP UNITS DEMOLITION DRAWING NOTES:**
- 1 REMOVE EXISTING ROOFTOP UNITS. EXISTING ROOF CURB SHALL REMAIN. THE EXISTING CONDENSATE DRAIN IN THE EXISTING ROOF CURB WILL BE SEALED BY THE OWNER.
 - 2 REMOVE EXISTING SAFETY SWITCH ON THE ROOFTOP UNITS. REMOVE ALL THE UNIT STARTERS THAT ARE ASSOCIATED WITH THE UNITS IN THE ELECTRICAL/MECHANICAL ROOM.
 - 3 EXISTING 50AMP BREAKER IN THE ELECTRICAL PANEL "MDP" SHALL REMAIN. REMOVE WIRES AND CONDUITS SERVING RTU-HJ1 FROM THE BREAKER TO THE UNIT ON THE ROOF.
 - 4 REMOVE GFCI SERVICE RECEPTACLE ON EACH RTU.
 - 5 REMOVE EXISTING CHILLED WATER AND HOT WATER PIPING ABOVE ROOF INSIDE RTUS.
 - 6 REMOVE VIBRATION ISOLATION RAILS UNDER RTUS IF ANY.
 - 7 ALL EXISTING ENERGY MANAGEMENT COMPONENTS AND WIRING SHALL BE IDENTIFIED, LABELED, AND DE-ENERGIZED. POWER TO THE COMPONENTS SHALL BE SHUT OFF AT EACH SYSTEM CONTROLLER. CONTROL CONTRACTOR SHALL COORDINATE ALL CONTROL DEMOLITION/INSTALLATION WORK WITH FOPS ENERGY MANAGEMENT DEPT. 48 HOURS BEFORE ANY WORK BEGINS, PLEASE CONTACT SERGHEI MALCOV @703.764.4373.

NEW ROOF-MOUNTED AIR HANDLING UNIT SCHEDULE

DESIGNATION	TOTAL AIR FLOW (CFM)	FAN DATA				CHILLED WATER COOLING										HOT WATER HEATING						APPROXIMATE OPERATING WEIGHT (LBS)	UNIT PROTOTYPE (TRANE)	MCA	MDCP	APPROXIMATE OPERATING WEIGHT (LBS)	UNIT PROTOTYPE (TRANE)	
		MIN. OUTSIDE AIR (CFM)	MAX. OUTSIDE AIR (CFM)	IN H2O E.S.P. TOTAL	MOTOR HP 480 / 3 / 60	ENTERING AIR TEMP. FDB/FWB	LEAVING AIR TEMP. FDB/FWB	TOTAL CAPACITY (MBH) 3.25	SENSIBLE CAPACITY (MBH)	ENTERING WATER TEMP. (F)	LEAVING WATER TEMP. (F)	WATER FLOW (GPM)	MAX WATER P.D. (FT)	MAX COIL A.P.D. (IN W.G.)	ENTERING AIR TEMP. (F)	LEAVING AIR TEMP. (F)	ENTERING WATER TEMP. (F)	LEAVING WATER TEMP. (F)	WATER FLOW (GPM)	CAPACITY (MBH)	MAX WATER P.D. (FT)							MAX COIL A.P.D. (IN W.G.)
RTU-C4 BUILDING TRADES	3600	600	3600	1	3.07	5	77.5/64.3	51.33/51.2	136.91	103.6	45	55	27.29	6.67	58.0	98.47	180	160	15.78	158.01	1.48	0.13	1418	UCCAJOB	10.47	15	1500	UCCAJOB
RTU-C6 MAINT&REPAIR	3750	500	3750	1	3.03	5	77.0/63.8	53.05/52.62	122.53	98.71	45	55	24.42	5.51	60.0	99.65	180	160	15.46	154.81	1.43	0.14	1407	UCCAJOB	10.47	15	1500	UCCAJOB
RTU-C7 HVAC SHOP	3600	500	3600	1	3.06	5	77.1/63.9	51.23/51.1	133.0	102.36	45	55	26.51	6.34	60.0	99.65	180	160	15.46	154.81	1.43	0.131	1418	UCCAJOB	10.47	15	1500	UCCAJOB
RTU-C8 CLASSROOMS	3100	800	3100	1	2.82	3	78.9/66.5	52.78/52.68	129.04	89.25	45	55	23.72	3.27	52.0	98.38	180	160	15.57	153.94	1.45	0.099	1405	UCCAJOB	6.22	15	1500	UCCAJOB
RTU-D1 MAIN KITCHEN	6900	1000	6900	1	3.10	7-1/2	90.0/75.0	56.06/55.59	461.04	260.02	45	55	91.88	15.55	0	91.36	180	160	68.28	683.68	9.62	0.177	1971.2	UCCAJ14	13.97	20	2000	UCCAJ14
RTU-D2 LOADING AREA	3200	1000	3200	1	2.73	3	79.7/66.8	53.19/52.87	135.43	93.51	45	55	26.99	6.55	48.0	100.41	180	160	18.17	181.89	1.95	0.134	1390	UCCAJOB	6.22	15	1500	UCCAJOB
RTU-HJ1 SPECIAL E.D.	21500	3200	21500	3.5	5.38	30	77.3/65.1	55.5/55.1	699.1	514.79	45	55	131.36	9.47	59.0	83.8	180	160	57.75	578.26	6.79	0.086	5991	CSA4040UB	50	90	6000	CSA4040UB

COOLING OUTDOOR AMBIENT - 95 F D.B.
HEATING OUTDOOR AMBIENT - 17 F DB AIR ENTERING HEATER.
DESIGN CONDITIONS:
FAN DATA INCLUDES LOSSES FOR FILTERS, AND WET COILS
COOLING CAPACITIES LISTED ARE GROSS CAPACITIES AND DO NOT DEDUCT FAN MOTOR HEAT
EER LISTED IS AT ARI TEST CONDITIONS

NOTES:
1. MAXIMUM COIL FACE VELOCITY FOR NEW COILS SHALL BE 550 F.P.M.
2. PROVIDE BELT DRIVE FAN, INTAKE AIR HOOD, OUTSIDE AIR AND RETURN AIR DAMPERS. OUTSIDE AIR DAMPER SHOULD BE ABLE TO HANDLE MINIMUM CFM AND 100% CFM
3. UNITS SHALL BE PROVIDED WITH SPRING ISOLATORS AND 2" PLEATED THROWAWAY FILTERS
4. PROVIDE LINKAGE ON OUTDOOR AIR AND RETURN AIR DAMPERS
5. PROVIDE VARIABLE FREQUENCY DRIVE WITHOUT BYPASS AND STATIC PRESSURE SENSOR
6. PROVIDE FACTORY INSTALLED HINGED ACCESS PANELS AND FACTORY STARTUP OF THE NEW AHU
7. PROVIDE INSULATED PIPE CHASE
8. UNITS SHALL BE PROVIDED WITH FACTORY FABRICATED ROOF CURB ADAPTORS
9. ALL RTU IN THIS SCHEDULE SHALL HAVE CHILLED WATER COOLING COILS AND HOT WATER HEATING COILS. HEATING COILS ARE IN PREHEAT POSITION UNLESS NOTED OTHERWISE



ROOFTOP AIR HANDLING UNIT REPLACEMENTS	
CHANTILLY HIGH SCHOOL 4201 SPRINGFELLOW ROAD CHANTILLY, VA 20151	DATE: 7/7/17 DRAWN BY: LOD
Fairfax County Public Schools OFFICE OF FACILITIES MANAGEMENT 5025 SIDEBURN ROAD FAIRFAX, VIRGINIA 22052 (703) 764-2423	SHEET: ME-1

MMB-004-18

ROOFTOP UNITS NEW WORK DRAWING NOTES:

- Ⓐ MOUNT NEW ROOFTOP UNITS ON NEW CURB ADAPTERS MANUFACTURED TO ACCOMMODATE EXISTING ROOF CURBS. THE NEW CURB ADAPTERS HAVE TO ACCOMMODATE THE EXISTING CHILLED AND HOT WATER PIPING RISERS, OFFSET TO MATCH THE NEW UNIT PIPE CHASE. CONTRACTOR SHALL FIELD VERIFY FOR EXACT LOCATION. THE NEW CURB ADAPTERS SHALL BE FULLY INSULATED AND SHALL BE PAINTED WITH TWO COATS OF GRAY SHERWIN WILLIAMS INDUSTRIAL ENAMEL HS WEATHER PROOF OUTDOOR PAINT.
- Ⓑ PROVIDE NEW DISCONNECT TREE ON THE ROOF FOR EACH UNIT. FCPS WILL FLASH THEM INTO THE ROOFING SYSTEM. FURNISH AND INSTALL NEW F.S.S. WITH NEW FUSES SIZED PER MANUFACTURER'S RECOMMENDATIONS. EXTEND ALL WIRING, CONTROL WIRING AND CONDUITS TO THE NEW F.S.S. ROUTE NEW THIN PLUS GROUND IN NEW IMC CONDUIT FROM F.S.S. TO NEW RTU. PROVIDE RIGID CONDUIT WITH A SHORT LENGTH (36") OF LIQUIDTIGHT CONDUIT CLOSE TO THE RTU. SEE SYSTEM POWER WIRING AND CONDUIT SIZE TABLE BELOW.
- Ⓒ PROVIDE JUNCTION BOXES WHERE THE EXISTING STARTERS ARE REMOVED. RELOCATE ALL THE CONTROLS RELAYS TO UNITS ON THE ROOF.
- Ⓓ PROVIDE NEW CHILLED AND HOT WATER PIPING TO NEW UNITS. ROUTE ALL NEW INSULATED PIPING THROUGH NEW INSULATED PIPE CHASE TO THE UNITS. INSULATION THICKNESS AND TYPE SHALL MATCH EXISTING. SEE PIPING SIZE IN THE TABLE BELOW (FIELD VERIFY). PROVIDE NEW THERMOMETER AND PRESSURE GAUGES IN BOTH SUPPLY AND RETURN PIPE ON THE ROOF INSIDE THE PIPE ENCLOSURE. PROVIDE HIGH POINT VENTS.
- Ⓔ INSTALL A NEW 100AMP BREAKER IN PANEL "HMOP". ROUTE NEW 3 #1 THIN PLUS GROUND IN 1-1/4" CONDUIT FROM THE NEW BREAKER TO THE NEW RTU-HJ1 F.S.S. ON THE ROOF.
- Ⓣ RTU-C6, RTU-HJ1: NEW STATIC PRESSURE SENSOR ASSOCIATED WITH VFD SHOULD BE LOCATED 2/3 DOWNSTREAM OF THE LONGEST RUN. LOCATION OF THE STATIC PRESSURE SENSOR SHOULD BE LABELED ON THE CEILING TILE. SEE ATTACHED M-21 AND M-25 DRAWINGS. CONTRACTOR SHALL REMOVE AND RETURN THE EXISTING VFDs TO THE OWNER.
- Ⓤ VACUUM INSIDE OF THE EXISTING SUPPLY AND RETURN DUCTWORK TO REMAIN ON THE ROOF TO THE FIRST ELBOW BELOW THE ROOF LINE. EXTEND EXISTING SUPPLY AND RETURN DUCTWORK TO THE NEW UNITS.
- Ⓡ PROVIDE NEW GFCI RECEPTACLE AND CONNECT IT TO THE EXISTING WIRES AND CONDUIT ON THE ROOF.
- Ⓢ PROVIDE NEW CONDENSATE DRAIN AND TRAP FROM THE NEW RTUS. SEE DETAIL ON THE DRAWING.
- Ⓣ BALANCING CONTRACTOR SHALL BALANCE THE OUTDOOR AIR AND SUPPLY AIR QUANTITY FOR EACH RTU PER SCHEDULE. BALANCE HOT WATER AND CHILLED WATER FLOW PER SCHEDULE. BALANCING CONTRACTOR SHALL CONTACT THE CONTRACTOR AND OWNER IF DESIGNED AIRFLOW CAN'T BE ACHIEVED ON SITE.
- Ⓤ CONTRACTOR SHALL THE DUCT SMOKE DETECTOR TO UNIT SHUTDOWN FOR ROOFTOP UNITS. CONTRACTOR SHALL INFORM AND COORDINATE WITH FCPS FIRE ALARM SPECIALIST (GREG ROSE 703.898.5734) PRIOR TO STARTUP THE NEW RTUS.
- Ⓦ NEW RTUS SHALL BE IDENTIFIED BY ENGRAVED NAME TAG WITH THE TITLE OF THE EQUIPMENT AS TAKEN FROM THE PLANS IN A POSITION THAT IS CLEARLY VISIBLE. THE LETTERS SHALL BE NOT LESS THAN 1/2" HIGH. THE TITLES SHALL BE SHORT AND CONCISE.

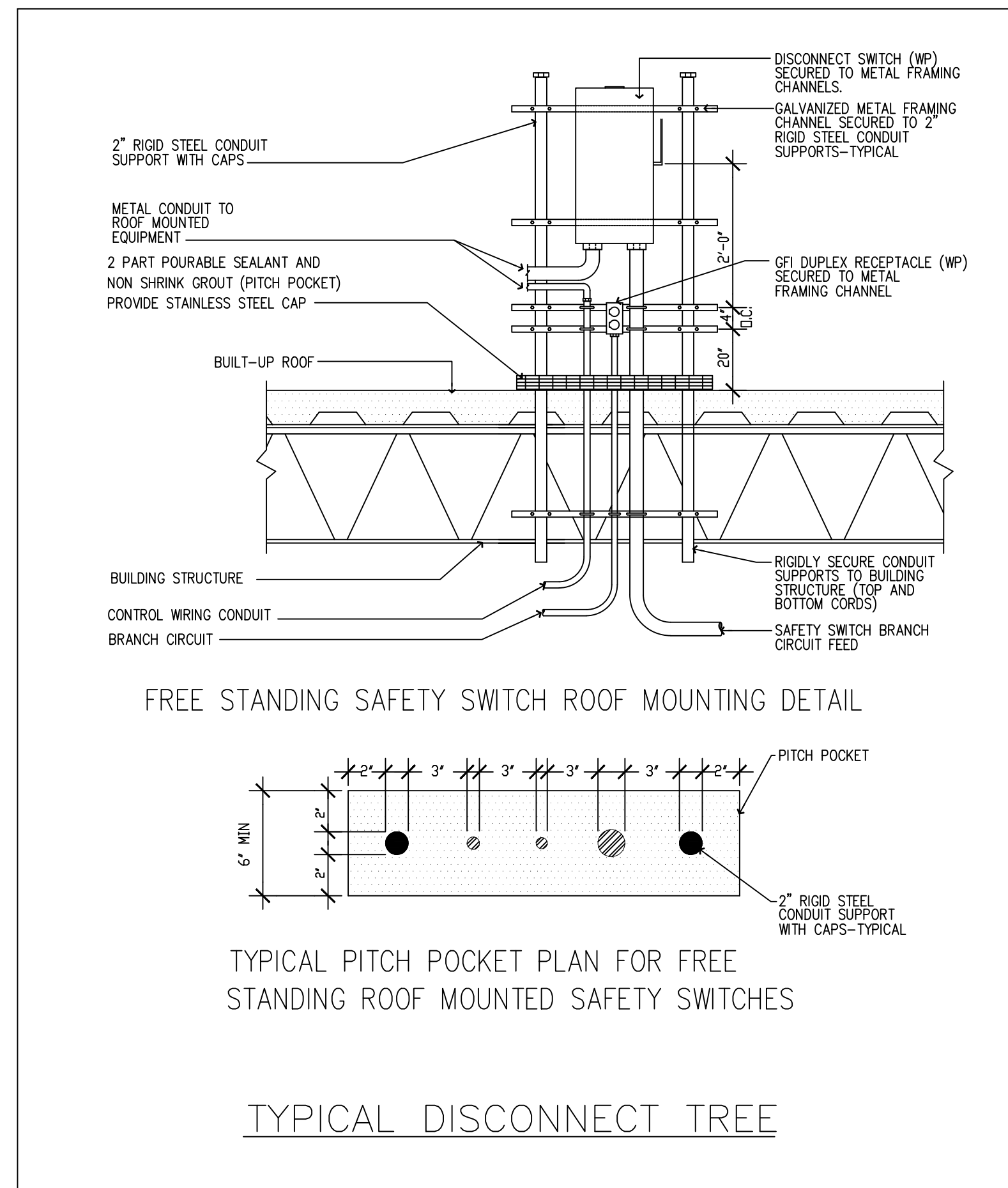
RTUS POWER WIRING AND CONDUIT SIZE				
UNIT	NEW DISCONNECT SIZE (AMP)	WIRING SIZE	CONDUIT SIZE	BREAKER PANEL
RTU-C4	30	3 #12 THIN	3/4"	"HCA"
RTU-C6	30	3 #12 THIN	3/4"	"HCA"
RTU-C7	30	3 #12 THIN	3/4"	"HCA"
RTU-C8	30	3 #12 THIN	3/4"	"HCA"
RTU-D1	30	3 #12 THIN	3/4"	"M"
RTU-D2	30	3 #12 THIN	3/4"	"M"
RTU-HJ1	100	3 #6 THIN	3/4"	"HMOP"

SUPPLY/RETURN PIPE SIZE FOR RTUS (FIELD VERIFY)		
UNIT	CHILLED WATER SUPPLY/RETURN (INCH)	HOT WATER SUPPLY/RETURN (INCH)
RTU-C4	2"	1-1/4"
RTU-C6	1-1/2"	1"
RTU-C7	2"	1"
RTU-C8	2"	1"
RTU-D1	3"	2"
RTU-D2	2"	1-1/4"
RTU-HJ1	3"	2"

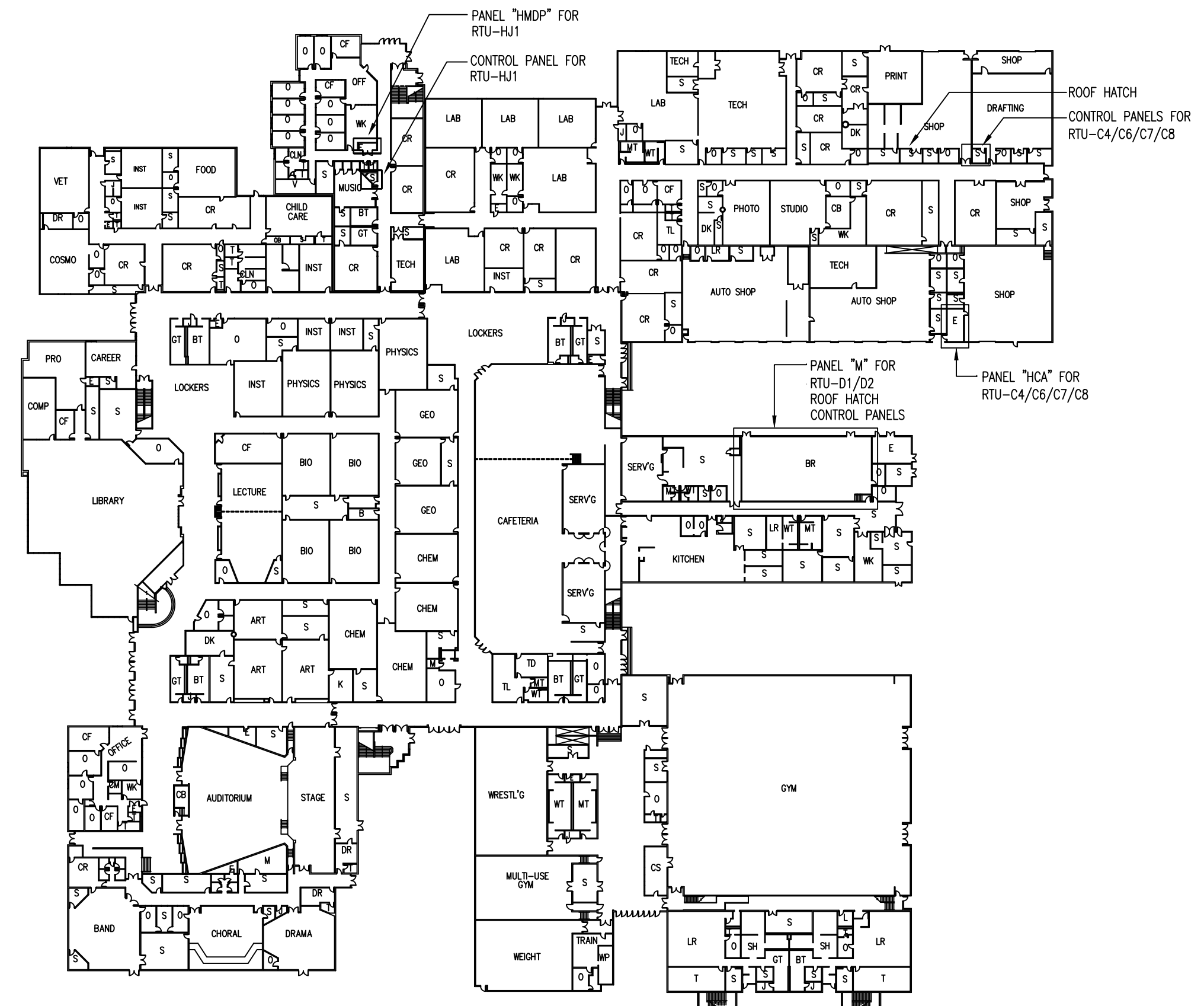
CONTROL NOTES FOR ROOFTOP UNITS

DAMPER ACTUATOR	AO
MIXED AIR SENSOR	AI
FREEZE STAT	DI
FAN SAFETY SHUT DOWN	DO
FAN PROOF	DI
FAN ON/OFF	DO
VFD (RTU-C6 AND RTU-HJ1)	AO
SMOKE DETECTORS	

- Ⓐ CONTRACTOR WILL RETAIN ONE OF THE FOLLOWING CONTROL CONTRACTORS:
 ESI ENGINEERING SERVICES INC. - DAVE ARMINGER (703-471-6310)
 CONTROL UNLIMITED - MIKE LOONEY (703.897.4300)
 CKS BUILDING SERVICES INC. - CHRIS STEVENS (703.975.4990)
 METROPOLITAN CONTROLS - PAUL CABADA (443.532.5014)
- Ⓑ CONTROL CONTRACTOR MUST CALL THE FOLLOWING PEOPLE AT THE FAIRFAX COUNTY PUBLIC SCHOOLS BEFORE ANY EXISTING CONTROL WIRES AND RELAYS ARE REMOVED:
 SERGHEI MALCOV (703) 764-4373
- Ⓒ CONTRACTOR SHALL REMOVE EXISTING CONTROL WIRES FROM THE UNITS WITHOUT CUTTING THEM AND LABEL EVERY CONTROL WIRE ON THE ROOF INSIDE THE NEW RTU. UPON COMPLETION, THE CONTROL CONTRACTOR SHALL VERIFY WITH FCPS TO MAKE SURE THAT ALL THE CONTROL POINTS WORK.
- Ⓓ EXISTING DAMPER ACTUATORS, RELAYS, FREEZE STATS, CURRENT SENSORS AND MIXED AIR SENSORS INSIDE THE OLD RTUS SHOULD BE REUSED IN THE NEW RTUS. LABEL EACH POINT INSIDE RTU (LABEL RELAY SOCKETS, NOT RELAYS, AS TO DEVICE CONTROLLED/FUNCTION). EXTEND CONTROL WIRES AS NECESSARY.
- Ⓔ RELOCATE EXISTING RELAYS AND CT FROM THE OLD MOTOR STARTERS TO THE NEW ROOFTOP UNITS AND EXTEND CONTROL WIRES/CONDUITS FROM THE CONTROL PANELS TO THE NEW ROOFTOP UNITS.
- Ⓦ NEW VFDs ON UNIT RTU-C4, C6, C7, D1, D2 ARE FOR SOFT START ONLY.



TYPICAL DISCONNECT TREE

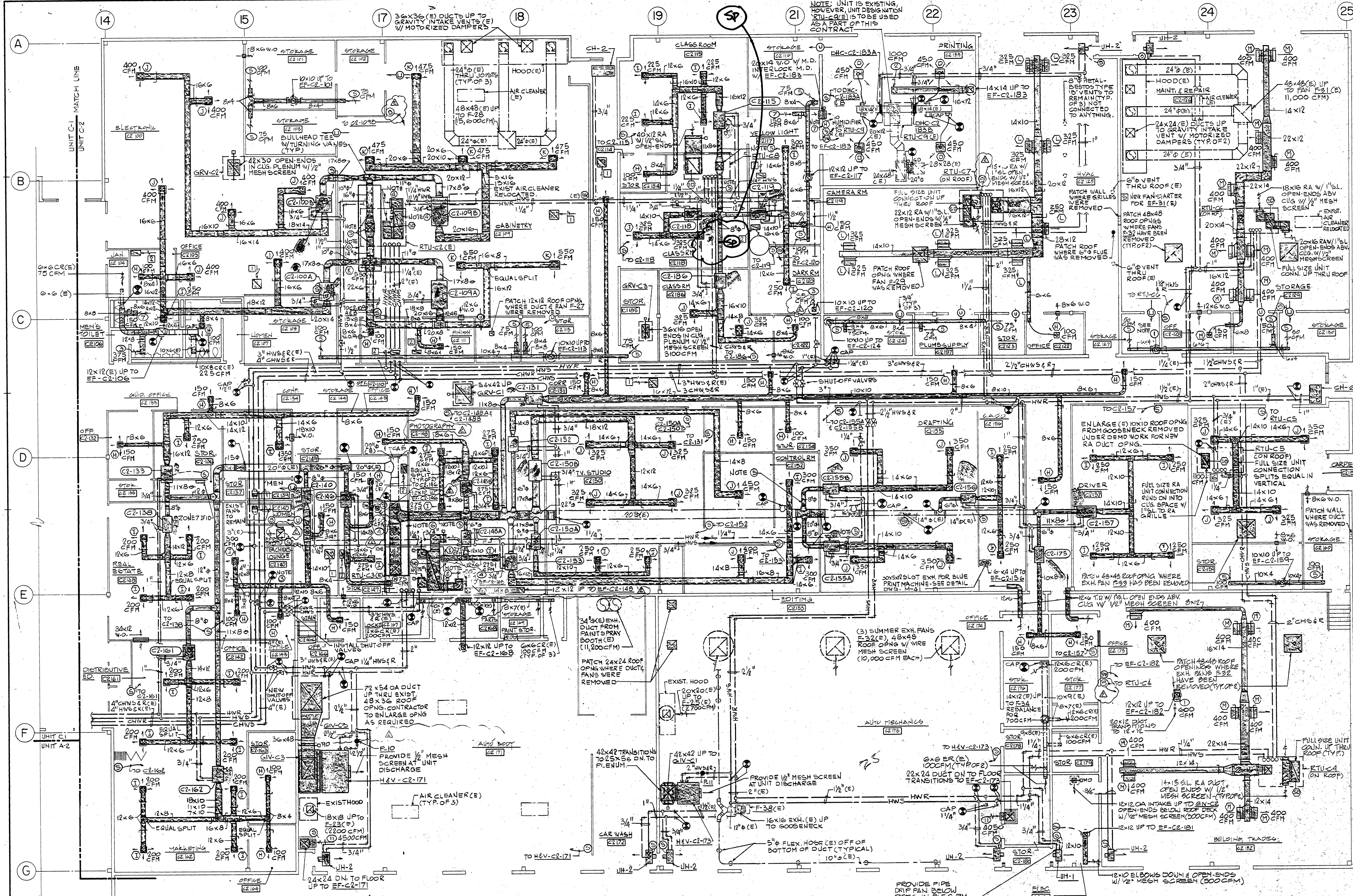


FIRST FLOOR PLAN

ELECTRICAL AND CONTROL PANEL LOCATIONS

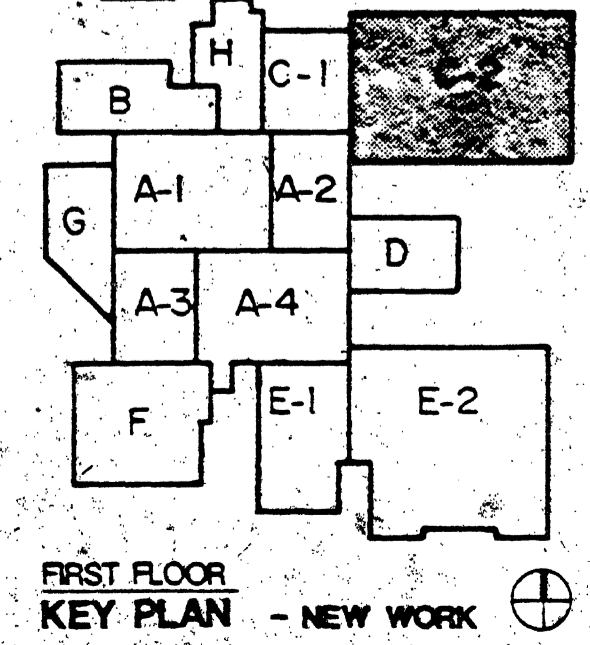
ROOFTOP AIR HANDLING UNIT REPLACEMENTS		
CHANTILLY HIGH SCHOOL 4201 SPRINGFELLOW ROAD CHANTILLY, VA 20151	DATE: 7/7/17	DRAWN BY: LQD
Fairfax County Public Schools OFFICE OF FACILITIES MANAGEMENT 5025 SIDEBURN ROAD FAIRFAX, VIRGINIA 22052 (703) 764-2423	SHEET: ME-2	

PROPERTY OF FCPS & C



- NOTES:**
1. PROVIDE RETURN AIR DUCTS W/ 1" SL FOR RTU-C2(E) & RTU-C3(E) SAME SIZE AS UNIT CONNECTION (TO BE FIELD VERIFIED). PROVIDE TOTALLY ENCLOSED PLENUMS.
 2. ALL DUCTWORK SHALL RUN BETWEEN OR THRU EXIST. GIRDER WEBS UNLESS OTHERWISE NOTED.
 3. ALL SUPPLY DUCTWORK DOWNSTREAM OF VAV. BOXES IS SOUNDLINED WITH 1" SOUND LINING.
 4. ALL WALL OPENINGS (W.O.) SHALL BE ABOVE CEILING.
 5. REFER TO DETAIL ON DWG. M-39 FOR VALVES AND FITTINGS FOR PIPING RTU COILS
 6. REFER TO DETAIL ON DWG. M-39 FOR VALVES AND FITTINGS FOR PIPING VAV COILS

- FIRST FLOOR PLAN - UNIT C-2 - NEW WORK - MECHANICAL**
1/8" = 1'-0"
- NOTES:**
- ① 10x10 UP THRU (E) 14x14 ROOF OPENING TO EF-C2-127. REPLACE W/ NEW ROOF CURB & FLASH AS REQUIRED FOR WEATHER TIGHT INSTALLATION.
 - ② 18x24 DUCTS W/ 1" S.L. OPEN-END ABOVE CEILING W/ 1/2" MESHSCREEN (TYP. OF 4)
 - ③ NEW 4" CHWS & R CONNECTS TO EXISTING 4" CHWS & R
 - ④ 20x22 RA DUCTS W/ 1" S.L. OPEN-END ABV. CLG. W/ 1/2" MESH SCREEN (TYP. OF 2)
 - ⑤ SQUARE & ROUND SUPPLY AIR DUCTWORK DOWNSTREAM OF RTU-C2(E) & RTU-C3(E) SHALL BE LINED W/ 1" S.L. AND A PERFORATED METAL INNER LINER SIMILAR TO UNITED MCGILL K-27 FOR DISTANCE SHOWN. SIMILAR FOR DUCT ABV. CONTROL ROOM.
 - ⑥ SUPPLY AIR DUCT TO BE ENCLOSED IN 2 LAYERS OF DRYWALL BETWEEN JOISTS. SEE ARCH. DWG. FOR DETAIL.
 - ⑦ EXISTING HUMIDIFIER FOR EXISTING HUMIDIFIER IN PRINTING ROOM SHALL BE RELOCATED.



CHANTILLY HIGH SCHOOL
RENEWAL AND ADDITIONS
FAIRFAX COUNTY, VIRGINIA

VIRGINIA STATE
PROJECT NO. 2913
2-26-91

Reference only

FIRST FLOOR
PLAN-UNIT C-2
NEW WORK-
MECHANICAL

Strang and Samaha AIA

architects planners

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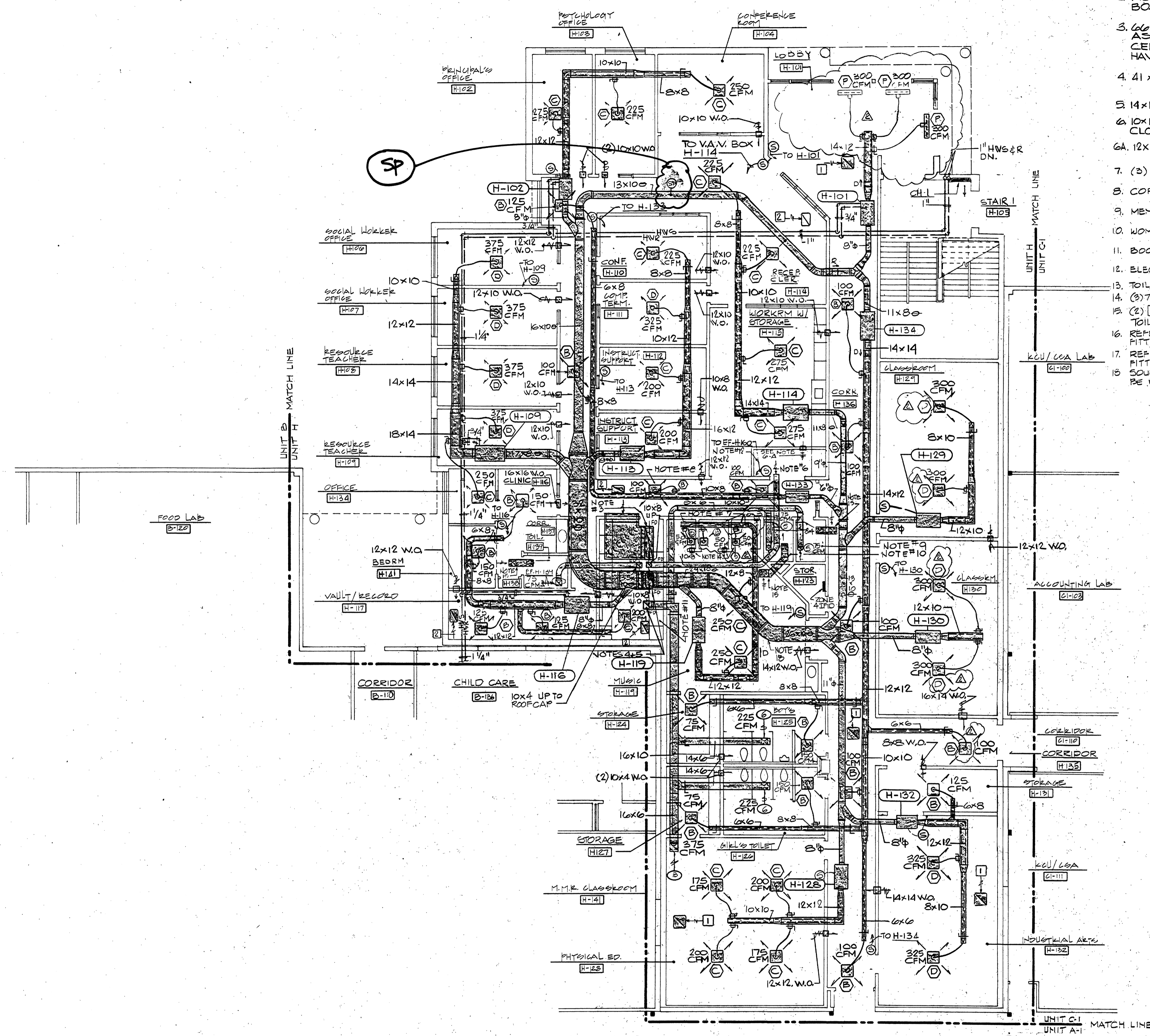
PROJECT NO. 8310410

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Professional Engineers and Consultants

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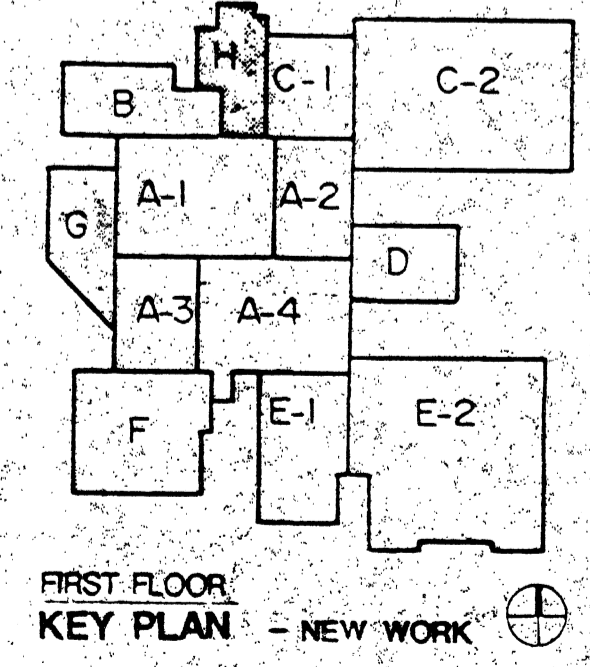
Property of FCPS

- NOTES:**
1. ALL DUCTWORK SHALL RUN BELOW STRUCTURE.
 2. ALL SUPPLY DUCTWORK DOWNSTREAM OF V.A.V. BOXES IS SOUNDLINED WITH 1" THICK LINING.
 3. 60x16 RA DUCT DN. W/ FD AT FLOOR, TO TURN FROM SHAFT AS SHOWN AND OPEN-END ABOVE CORRIDOR H183 CEILING WITH 1/2" MESH SCREEN. DUCT TO HAVE 1" THICK SOUNDLINING.
 4. 41 x 16 SA. DUCT UP IN SHAFT W/ FD. AT FLOOR
 5. 14 x 14 EXHAUST DUCT UP IN SHAFT W/ FD. AT FLOOR.
 6. 10 x 10 EXHAUST DUCT OPEN-ENDS INTO ELECTRIC CLOSET WITH 1/2" MESH SCREEN & RUNS UP TO EF-H-160
 - 6A. 12 x 10 WALL OPENING TO BE PROVIDED ABV. CORRIDOR H186 CEILING.
 7. (2) PRACTICE ROOMS H-120
 8. CORRIDOR H-122
 9. MEN'S TOILET H-122
 10. WOMEN'S TOILET H-121
 11. BOOK STOR. H-112
 12. ELEC. CL. H-160
 13. TOILET H-153
 14. (3) 7x4 WALL OPENINGS AT (3) PRACTICE ROOMS.
 15. (2) 12" TRANSFER GRILLES AT (4) 12x4 TRAN. DUCTS W/ 1/2" SLAT TOILET ROOMS H-122, 121, 127 & 129.
 16. REFER TO DETAIL ON DWG. M-29 FOR VALVES AND FITTINGS FOR PIPING RTU COILS.
 17. REFER TO DETAIL ON DWG. M-39 FOR VALVES AND FITTINGS FOR PIPING VAV COILS.
 18. SOUND LINED SA DUCT, INCLUDING RISER, SHALL BE PROVIDED W/ PERFECTED METAL INNER LINER.



FIRST FLOOR PLAN - UNIT H - NEW WORK - MECHANICAL
1/8" = 1'-0"

Reference only

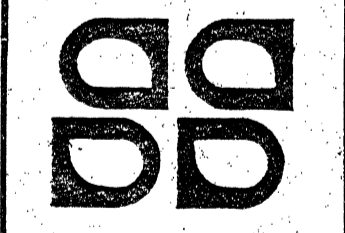


FIRST FLOOR KEY PLAN - NEW WORK

CHANTILLY HIGH SCHOOL
RENEWAL AND ADDITIONS
FAIRFAX COUNTY, VIRGINIA

VIRGINIA STATE
PROJECT NO. 2913
2-26-91

FIRST FLOOR PLAN - UNIT H - NEW WORK - MECHANICAL



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