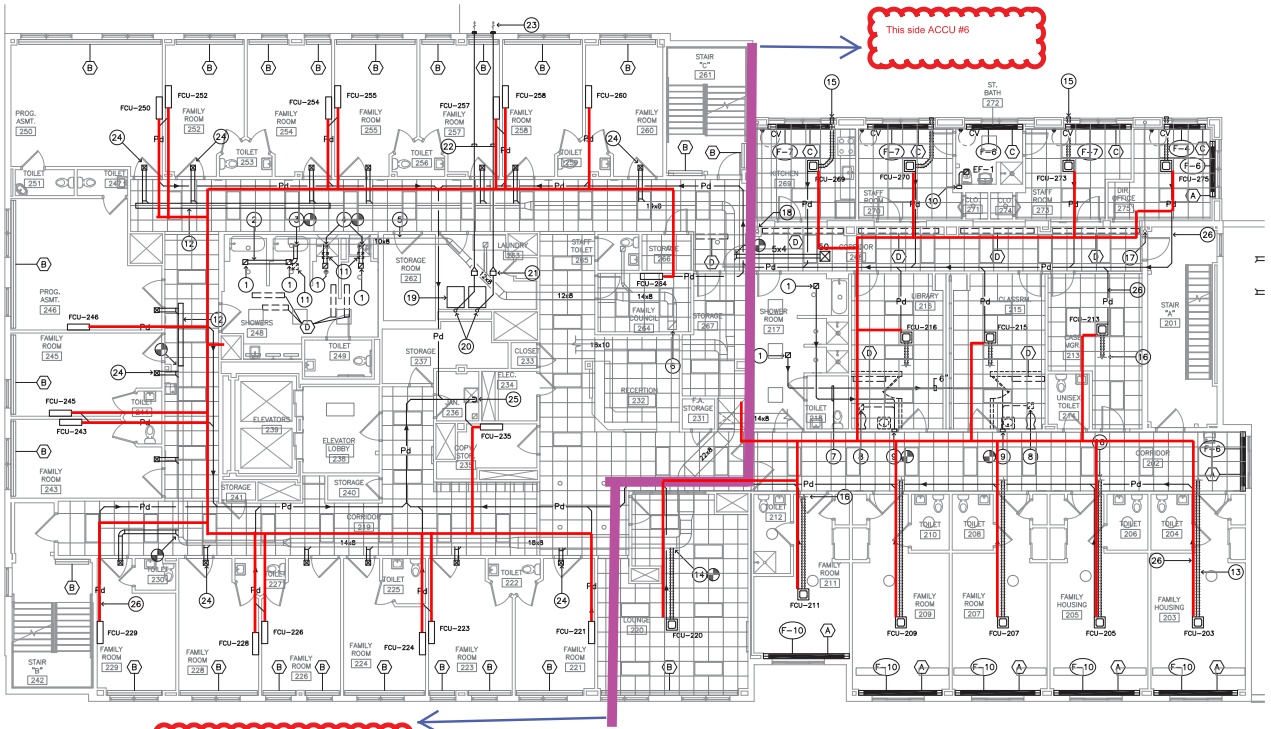

SECOND FLOOR PLAN – HVAC

SCALE: 1/8" = 1'-0"

PROJECT NORTH

RADIATION LEGEND

(A) REMOVE EXISTING RADIATION INCLUDING BACKPLATE, COVERS, FINNED–TUBE, ISOLATION VALVES, MANUAL AIR VENTS AND CONTROLS. IN IT'S PLACE INSTALL NEW RADIATION (COVER TO BE WALL TO WALL WHERE SHOWN) WITH END CAPS AND SPLICE PLATES AS REQUIRED, NEW ISOLATION VALVES, MANUAL AIR VENTS AND CONTROLS.

RADIATION BASE BID
SHALL BE "SLANT/FIN" OR EQUAL MULTI/PAK 80 HEAVY DUTY, HIGH OUTPUT BASEBOARD RADIATION WITH 18–GAUGE ONE PIECE FRONT PANEL, 16 GAUGE BRACKETS AND 22 GAUGE BACK AND TOP PANEL. RADIATION SHALL CONTAIN A HEATING ELEMENT TO PROVIDE A MINIMUM OF 700 B.T.U./FT. WITH 170°F. HOT WATER SUPPLY TEMPERATURE, PIPE SIZE TO MATCH EXISTING. ALL COVER COMPONENTS SHALL BE FACTORY PAINTED IN NU–WHITE OVEN BAKED CROSS–LINKED POLYESTER ENAMEL.

RADIATION ADD ALTERNATE
SHALL BE "SLANT/FIN" OR EQUAL 350 L SERIES HEAVY DUTY HIGH OUTPUT, SLOPE–TOP BASEBOARD RADIATION WITH 16 GAUGE STEEL ONE PIECE FRONT COVER, 17 GAUGE BRACKETS. PIPE SIZE TO MATCH EXISTING. RADIATION SHALL CONTAIN A HEATING ELEMENT TO PROVIDE A MINIMUM OF 700 B.T.U./FT. WITH 170°F. HOT WATER SUPPLY TEMPERATURE, PIPE SIZE TO MATCH EXISTING. ALL COVER COMPONENTS SHALL BE FACTORY PAINTED IN NU–WHITE OVEN BAKED CROSS–LINKED POLYESTER ENAMEL.

(B) EXISTING WALL MOUNTED FINNED–TUB RADIATION TO REMAIN. THE FINNED–TUBE ELEMENT MUST BE THOROUGHLY CLEANED, COVERS AND TRIM ARE TO BE REMOVED, CLEANED, PRIMED, PAINTED AND REINSTALLED (COLOR TO BE SELECTED BY ARCHITECT). SEQUENCE AS NOTED ABOVE SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

(C) NEW HOT WATER BASEBOARD RADIATION SHALL BE THE SAME AS NOTED IN "BASE BID" RADIATION ABOVE, COMPLETE WITH ISOLATION VALVES, MANUAL AIR VENTS AND CONTROLS.

(D) EXISTING RADIATION TO BE REMOVED IN IT'S ENTIRETY INCLUDING ALL ASSOCIATED PIPING, VALVES AND ACCESSORIES.

(F–10) SYMBOL INDICATES LENGTH OF RADIATION ELEMENT.

RADIATION CONTROLS

1. NEW RADIATION NOTED (A) SHALL BE INDIVIDUALLY CONTROLLED UTILIZING "TACO" RADIATION CONTROL VALVES.

   NEW RADIATION NOTED (C) SHALL BE INDIVIDUALLY CONTROLLED UTILIZING "TACO" ADIATION CONTROL VALVE.

2. FOR EXISTING RADIATION THAT REMAINS CONTRACTOR IS TO PROVIDE UNIT PIECES TO REPLACE ISOLATION VALVES, VENT VALVES AND CONTROL VALVES ON AN AS NEEDED BASIS.

ALL RADIATION TO BE EQUIPPED WITH "TACO" RADIATION CONTROL VALVES.

LEGEND – M–10

(1) NEW 8"x8" CEILING EXHAUST GRILLE WITH DAMPER, 70C.F.M. EACH.
(2) NEW 6"x5" EXHAUST DUCT WORK.
(3) REMOVE EXISTING 6" DIA EXHAUST DUCTWORK AND CEILING EXHAUST GRILLE AND REPLACE WITH NEW 7"x6" EXHAUST DUCT.
(4) REMOVE EXISTING 6" DIA. EXHAUST DUCTWORK AND REPLACE WITH NEW, CONNECT TO NEW CEILING EXHAUST GRILLE.
(5) EXISTING 10"x8" EXHAUST DUCTWORK ABOVE CEILING.
(6) EXISTING 12"x10" EXHAUST RISER.
(7) NEW 6" DIA. EXHAUST DUCTWORK ABOVE CEILING.
(8) REMOVE EXISTING CEILING EXHAUST GRILLE AND ASSOCIATED DUCTWORK.
(9) CONNECT NEW 6" DIA. EXHAUST DUCTWORK TO EXISTING 6"x4" EXHAUST RISER.
(10) NEW 6"x4" EXHAUST RISER UP.
(11) REMOVE EXISTING CEILING EXHAUST GRILLE AND ASSOCIATED DUCTWORK BACK TO MAIN BRANCH.
(12) EXTEND EXISTING 8"x8" DUCTWORK.
(13) 4" DIA. (INSULATED) FLEX DUCTWORK, TYPICAL.
(14) CONNECT NEW 4" DIA. DUCTWORK TO EXISTING SUPPLY DUCTWORK ABOVE CEILING AND RUN TO FAN COIL UNIT, TYPICAL.
(15) 4" DIA. OUTSIDE AIR SCREENED INLET TYPICAL FOR (4).
(16) CONNECT NEW FAN COIL UNIT TO EXISTING SUPPLY DUCTWORK ABOVE CEILING, (NOT SHOWN) TYPICAL.
(17) EXISTING HOT WATER SUPPLY RISER EXTEND TO NEW PERIMETER RADIATION.
(18) EXISTING HOT WATER RETURN RISER EXTEND TO NEW PERIMETER RADIATION.
(19) TWO (2) STACKED WASHER/DRYERS OWNERS EQUIPMENT.
(20) 4" DRYER VENT.
(21) INLINE DRYER EXHAUST FAN EQUAL TO "FANTECH" MODEL DBF–4XL WITH PRESSURE SENSING SWITCH TO AUTOMATICALLY TURN THE FAN ON WHEN THE DRYER IS ON AND WILL TURN ITSELF OFF WHEN THE DRYER STOPS. 120V. 1PH. (65 WATTS)
(22) DRYER VENTING REQUIREMENTS
- DUCTING MUST BE RIGID METAL (GALVANIZED OR ALUMINUM) DUCT.
- DUCT JOINTS SHALL BE INSTALLED SO THAT THE MALE END OF THE DUCT POINTS IN THE DIRECTION OF THE AIRFLOW.
- JOINTS SHOULD BE SECURED WITH METAL TAPE (NOT DUCT TAPE). DO NOT USE RIVETS OR SCREWS IN THE JOINTS OR ANYWHERE ELSE IN THE DUCT.
- DRYER VENTING SHALL BE INDEPENDENT OF ANY OTHER SYSTEMS (CHIMNEYS OR EXHAUST VENTS).
- TERMINATION OF DRYER VENTING MUST BE TO THE EXTERIOR WITH A PROPER HOOD CAP EQUIPPED WITH A BACKDRAFT DAMPER. SMALL ORIFICE METAL SCREENING SHOULD NOT BE PART OF THE HOOD OR ROOF CAP AS THIS WILL CATCH LINT AND BLOCK OPENING. THE HOOD OPENING SHOULD POINT DOWN.
(23) WALL TERMINATION.
(24) 6"x6" O.A. SUPPLY GRILLE WITH 4" ROUND DUCT, TYPICAL.
(25) OPEN END CONDENSATE DRAIN PUMPED DISCHARGE (Pd) LINE OVER JANITORS SERVICE SINK.
(26) CONDENSATE DRAIN PUMPED DISCHARGE (Pd) LINE FROM FAN COIL UNIT, TYPICAL

EXHAUST FAN SCHEDULE

SYMBOL	MAKE	MODEL	TYPE	CFM	WATTS	VOLTAGE	DRIVE	RPM	SONES
EF–1	PANASONIC	FV–0511VK2	CEILING	70	4.3	120V. 1PH	DIRECT	760	0.3
EF–2	PANASONIC	FV–0511VK2	CEILING	70	4.3	120V. 1PH	DIRECT	760	0.3
EF–3	PANASONIC	FV–0511VK2	CEILING	70	4.3	120V. 1PH	DIRECT	760	0.3
EF–4	PANASONIC	FV–0511VK2	CEILING	70	4.3	120V. 1PH	DIRECT	760	0.3
EF–5	PANASONIC	FV–0511VK2	CEILING	70	4.3	120V. 1PH	DIRECT	760	0.3

EF–1–EF–4 WIRE TO WALL LIGHT SWITCH. E–5 ON CONTINOUS.

FAN COIL UNIT SCHEDULE – SECOND FLOOR

SYMBOL	ROOM	DAIKIN FAN COIL UNIT MODEL	OUTDOOR UNIT	C.F.M.	O.A. C.F.M.	MOUNTING LOCATION	VOLTAGE	MCA	MOP
FUC–203	203	FXZQ09TAVJU	ACCU–5	317	15	CEILING	208–230V, 1PH	0.3	15A
FUC–205	205	FXZQ09TAVJU	ACCU–5	317	15	CEILING	208–230V, 1PH	0.3	15A
FUC–207	207	FXZQ09TAVJU	ACCU–5	317	15	CEILING	208–230V, 1PH	0.3	15A
FUC–209	209	FXZQ09TAVJU	ACCU–5	317	15	CEILING	208–230V, 1PH	0.3	15A
FUC–211	211	FXZQ07TAVJU	ACCU–5	307	15	CEILING	208–230V, 1PH	0.3	15A
FUC–213	213	FXZQ07TAVJU	ACCU–4	307	20	CEILING	208–230V, 1PH	0.3	15A
FUC–215	215	FXZQ09TAVJU	ACCU–4	317	50	CEILING	208–230V, 1PH	0.3	15A
FUC–216	216	FXZQ09TAVJU	ACCU–4	317	30	CEILING	208–230V, 1PH	0.3	15A
FUC–235	235	FXAQ05PVJU	ACCU–4	260	–	WALL	208–230V, 1PH	0.3	15A
FUC–264	264	FXAQ07PVJU	ACCU–4	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–220	220	FXAQ18PVJU	ACCU–3	500	50	WALL	208–230V, 1PH	0.4	15A
FUC–221	221	FXAQ07PVJU	ACCU–3	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–223	223	FXAQ07PVJU	ACCU–3	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–224	224	FXAQ07PVJU	ACCU–3	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–226	226	FXAQ07PVJU	ACCU–3	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–228	228	FXAQ07PVJU	ACCU–3	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–229	229	FXAQ07PVJU	ACCU–3	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–243	243	FXAQ07PVJU	ACCU–2	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–245	245	FXAQ07PVJU	ACCU–2	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–246	246	FXAQ09PVJU	ACCU–2	280	30	WALL	208–230V, 1PH	0.3	15A
FUC–250	250	FXAQ12PVJU	ACCU–2	290	30	WALL	208–230V, 1PH	0.4	15A
FUC–252	252	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–254	254	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–255	255	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–257	257	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–258	258	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–260	260	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–269	236	FXZQ05TAVJU	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–270	270	FXZQ05TAVJU	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–273	273	FXZQ05TAVJU	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–275	275	FXZQ05TAVJU	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A

ACCESSORIES SHALL INCLUDE: INLINE CONDENSATE PUMP, REFNET BRANCH PIPING KITS, WIRED REMOTE CONTROLLERS, INTERFACE FOR USE IN BACNET, INDIVIDUAL ROOM CONTROL, AND FRESH AIR INTAKE FLANGE.

1 DRAWING REVISION

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NO	DATE	DESCRIPTION
1	02.21.20	FAN COIL UNIT AND PLUMBING FIXTURE REVISIONS

JOEL SMILOW CARE CENTER
BRIDGEPORT RESCUE MISSION
PHASE II: INTERIOR RENOVATIONS & NEW CONSTRUCTION
725 PARK AVENUE
BRIDGEPORT, CONNECTICUT

EMS JOB 5033

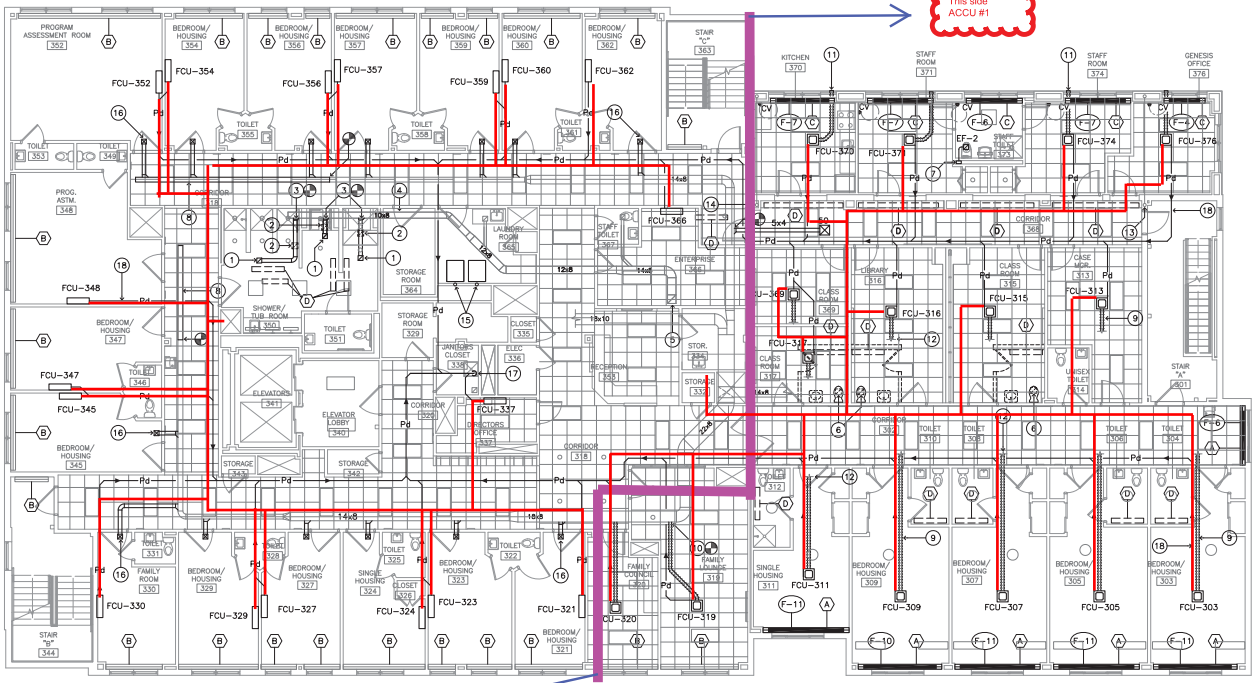
DRAWING TITLE:
SECOND FLOOR PLAN - HVAC

SCALE: 1/8"=1'-0" | DRAWN BY: BJC | REVIEWED BY: GDD

DRAWING NUMBER:
M-10

04.16.2020 - CM BID

DATE: 05 MARCH 2020 | GDD JOB NUMBER: 19469



THIRD FLOOR PLAN – HVAC

SCALE: 1/8" = 1'-0"

RADIATION LEGEND

(A) REMOVE EXISTING RADIATION INCLUDING BACKPLATE, COVERS, FINNED–TUBE, ISOLATION VALVES, MANUAL AIR VENTS AND CONTROLS. IN IT'S PLACE INSTALL NEW RADIATION (COVER TO BE WALL TO WALL WHERE SHOWN) WITH END CAPS AND SPLICE PLATES AS REQUIRED, NEW ISOLATION VALVES, MANUAL AIR VENTS AND CONTROLS.

RADIATION BASE BID
SHALL BE "SLANT/FIN" OR EQUAL MULTI/PAK 80 HEAVY DUTY, HIGH OUTPUT BASEBOARD RADIATION WITH 18–GAUGE ONE PIECE FRONT PANEL, 16 GAUGE BRACKETS AND 22 GAUGE BACK AND TOP PANEL. RADIATION SHALL CONTAIN A HEATING ELEMENT TO PROVIDE A MINIMUM OF 700 B.T.U./FT. WITH 170°F. HOT WATER SUPPLY TEMPERATURE, PIPE SIZE TO MATCH EXISTING. ALL COVER COMPONENTS SHALL BE FACTORY PAINTED IN NU–WHITE OVEN BAKED CROSS–LINKED POLYESTER ENAMEL.

RADIATION ADD ALTERNATE
SHALL BE "SLANT/FIN" OR EQUAL 350 L SERIES HEAVY DUTY HIGH OUTPUT, SLOPE–TOP BASEBOARD RADIATION WITH 16 GAUGE STEEL ONE PIECE FRONT COVER, 17 GAUGE BRACKETS. PIPE SIZE TO MATCH EXISTING. RADIATION SHALL CONTAIN A HEATING ELEMENT TO PROVIDE A MINIMUM OF 700 B.T.U./FT. WITH 170°F. HOT WATER SUPPLY TEMPERATURE, PIPE SIZE TO MATCH EXISTING. ALL COVER COMPONENTS SHALL BE FACTORY PAINTED IN NU–WHITE OVEN BAKED CROSS–LINKED POLYESTER ENAMEL.

(B) EXISTING WALL MOUNTED FINNED–TUB RADIATION TO REMAIN. THE FINNED–TUBE ELEMENT MUST BE THOROUGHLY CLEANED, COVERS AND TRIM ARE TO BE REMOVED, CLEANED, PRIMED, PAINTED AND REINSTALLED (COLOR TO BE SELECTED BY ARCHITECT). SEQUENCE AS NOTED ABOVE SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

(C) NEW HOT WATER BASEBOARD RADIATION SHALL BE THE SAME AS NOTED IN "BASE BID" RADIATION ABOVE, COMPLETE WITH ISOLATION VALVES, MANUAL AIR VENTS AND CONTROLS.

(D) EXISTING RADIATION TO BE REMOVED IN IT'S ENTIRETY INCLUDING ALL ASSOCIATED PIPING, VALVES AND ACCESSORIES.

(F–10) SYMBOL INDICATES LENGTH OF RADIATION ELEMENT.

RADIATION CONTROLS

1. NEW RADIATION NOTED (A) SHALL BE INDIVIDUALLY CONTROLLED UTILIZING "TACO" RADIATION CONTROL VALVES.

   NEW RADIATION NOTED (C) SHALL BE INDIVIDUALLY CONTROLLED UTILIZING "TACO" ADIATION CONTROL VALVE.

2. FOR EXISTING RADIATION THAT REMAINS CONTRACTOR IS TO PROVIDE UNIT PIECES TO REPLACE ISOLATION VALVES, VENT VALVES AND CONTROL VALVES ON AN AS NEEDED BASIS.

ALL RADIATION TO BE EQUIPPED WITH "TACO" RADIATION CONTROL VALVES.

LEGEND – M–11

1. NEW 8"x8" CEILING EXHAUST GRILLE WITH DAMPER, 70 C.F.M. EACH.
2. REMOVE EXISTING CEILING EXHAUST GRILLE AND ASSOCIATED DUCTWORK BACK TO MAIN BRANCH.
3. CONNECT NEW 6" DIA. EXHAUST DUCTWORK TO EXISTING AND EXTEND TO NEW EXHAUST GRILLE LOCATION.
4. EXISTING 10"x8" EXHAUST DUCTWORK ABOVE CEILING.
5. EXISTING EXHAUST RISER.
6. REMOVE EXISTING CEILING EXHAUST GRILLE AND ASSOCIATED DUCTWORK BACK TO RISER LOCATION, BLANK OFF AT EXISTING RISER AIR–TIGHT.
7. 4"x6" FROM BELOW AND 7"x6" EXHAUST RISER UP.
8. EXTEND EXISTING 8"x8" DUCTWORK.
9. 4" DIA. (INSULATED) FLEX DUCTWORK, TYPICAL.
10. CONNECT NEW 4" DIA. DUCTWORK TO EXISTING SUPPLY DUCTWORK ABOVE CEILING AND RUN TO FAN COIL UNIT, TYPICAL.
11. 4" DIA. OUTSIDE AIR SCREENED INLET TYPICAL FOR (4).
12. CONNECT NEW FAN COIL UNIT TO EXISTING SUPPLY DUCTWORK ABOVE CEILING (NOT SHOWN) TYPICAL.
13. EXISTING HOT WATER SUPPLY RISER EXTEND TO NEW PERIMETER RADIATION.
14. EXISTING HOT WATER RETURN RISER EXTEND TO NEW PERIMETER RADIATION.
15. SEE SECOND FLOOR PLAN DWG. M–10 FOR DUCTING OF CLOTHES DRYERS.
16. 6"X6" O.A. SUPPLY GRILLE WITH 4" ROUND DUCT, TYPICAL.
17. OPEN END CONDENSATE DRAIN PUMPED DISCHARGE (PD) LINE OVER JANITORS SERVICE SINK.
18. CONDENSATE DRAIN PUMPED DISCHARGE (PD) LINE FROM FAN COIL UNIT, TYPICAL

FAN COIL UNIT SCHEDULE – THIRD FLOOR

SYMBOL	ROOM	DAIKIN FAN COIL UNIT MODEL	OUTDOOR UNIT	C.F.M.	O.A. C.F.M.	MOUNTING LOCATION	VOLTAGE	MCA	MOP
FUC–303	303	FXZQ09TAVJU	ACCU–5	317	7.5	CEILING	208–230V, 1PH	0.3	15A
FUC–305	305	FXZQ09TAVJU	ACCU–5	317	15	CEILING	208–230V, 1PH	0.3	15A
FUC–307	307	FXZQ09TAVJU	ACCU–5	317	15	CEILING	208–230V, 1PH	0.3	15A
FUC–309	309	FXZQ12TAVJU	ACCU–5	353	15	CEILING	208–230V, 1PH	0.4	15A
FUC–311	311	FXZQ07TAVJU	ACCU–5	307	15	CEILING	208–230V, 1PH	0.3	15A
FUC–313	313	FXZQ09TAVJU	ACCU–4	317	20	CEILING	208–230V, 1PH	0.3	15A
FUC–315	315	FXZQ09TAVJU	ACCU–4	317	50	CEILING	208–230V, 1PH	0.3	15A
FUC–316	316	FXZQ09TAVJU	ACCU–4	317	30	CEILING	208–230V, 1PH	0.3	15A
FUC–317	317	FXZQ05TAVJU	ACCU–4	300	30	CEILING	208–230V, 1PH	0.3	15A
FUC–369	369	FXZQ05TAVJU	ACCU–4	300	30	CEILING	208–230V, 1PH	0.3	15A
FUC–366	366	FXAQ07PVJU	ACCU–4	260	20	WALL	208–230V, 1PH	0.3	15A
FUC–337	337	FXAQ05PVJU	ACCU–4	260	7.5	WALL	208–230V, 1PH	0.3	15A
FUC–319	319	FXAQ12PVJU	ACCU–3	290	30	WALL	208–230V, 1PH	0.4	15A
FUC–320	320	FXAQ07PVJU	ACCU–3	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–321	321	FXAQ07PVJU	ACCU–3	260	7.5	WALL	208–230V, 1PH	0.3	15A
FUC–323	323	FXAQ07PVJU	ACCU–3	260	7.5	WALL	208–230V, 1PH	0.3	15A
FUC–324	324	FXAQ07PVJU	ACCU–3	260	7.5	WALL	208–230V, 1PH	0.3	15A
FUC–327	327	FXAQ07PVJU	ACCU–3	260	7.5	WALL	208–230V, 1PH	0.3	15A
FUC–329	329	FXAQ07PVJU	ACCU–3	260	7.5	WALL	208–230V, 1PH	0.3	15A
FUC–330	330	FXAQ07PVJU	ACCU–3	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–345	345	FXAQ07PVJU	ACCU–2	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–347	347	FXAQ07PVJU	ACCU–2	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–348	348	FXAQ12PVJU	ACCU–2	290	20	WALL	208–230V, 1PH	0.4	15A
FUC–352	352	FXAQ12PVJU	ACCU–2	290	20	WALL	208–230V, 1PH	0.4	15A
FUC–354	354	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–356	356	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–357	357	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–359	359	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–360	360	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–362	362	FXAQ07PVJU	ACCU–1	260	15	WALL	208–230V, 1PH	0.3	15A
FUC–370	370	FXZQ05TAVJU	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–371	371	FXZQ05TAVJU	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–374	374	FXZQ05TAVJU	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–376	376	FXZQ05TAVJU	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A

ACCESSORIES SHALL INCLUDE: INLINE CONDENSATE PUMP, REFNET BRANCH PIPING KITS, WIRED REMOTE CONTROLLERS, INTERFACE FOR USE IN BACNET, INDIVIDUAL ROOM CONTROL, AND FRESH AIR INTAKE FLANGE.

1 DRAWING REVISION

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REVISIONS:		
	DATE	DESCRIPTION
1	02.21.20	FAN COIL UNIT AND PLUMBING FIXTURE REVISIONS

JOEL SMILOW CARE CENTER
BRIDGEPORT RESCUE MISSION
PHASE II: INTERIOR RENOVATIONS & NEW CONSTRUCTION
725 PARK AVENUE
BRIDGEPORT, CONNECTICUT

EMS JOB 5033

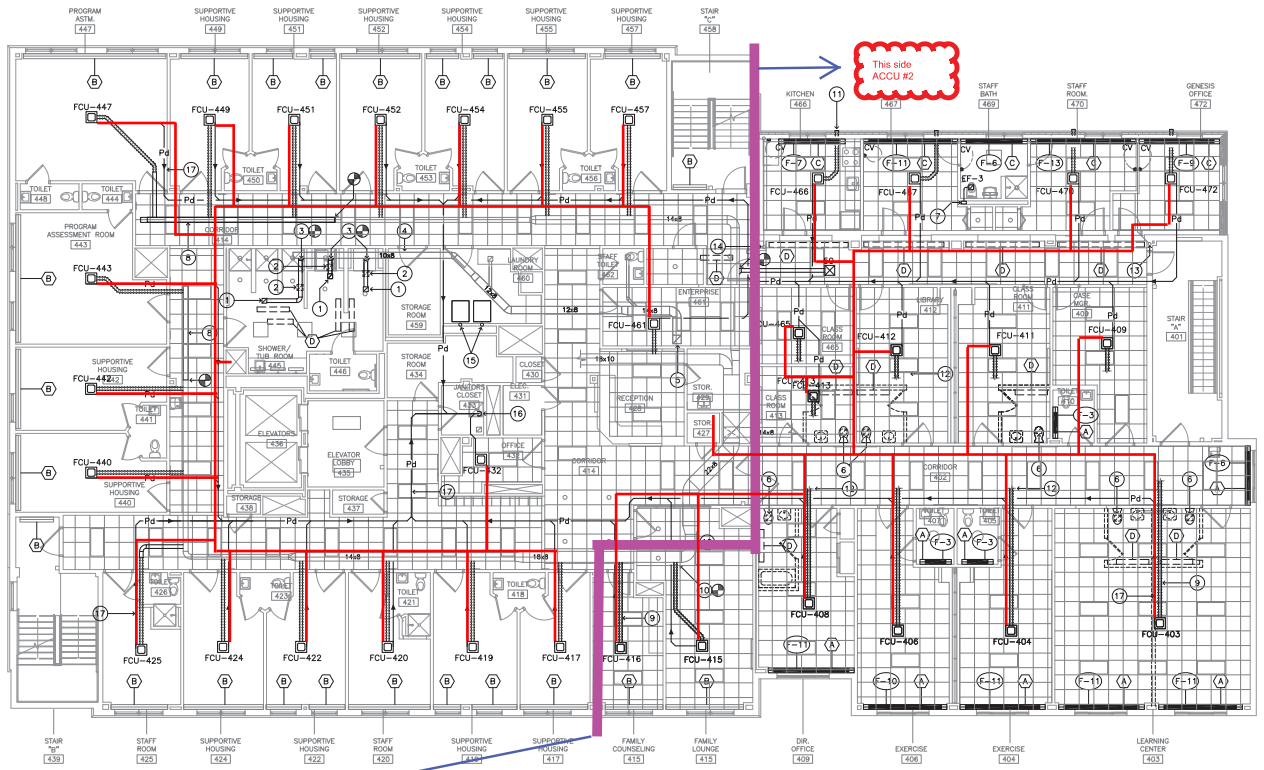
DRAWING TITLE:
THIRD FLOOR PLAN - HVAC

SCALE:	DRAWN BY:	REVIEWED BY:
1/8"=1'-0"	BJC	GDD

DRAWING NUMBER:
M-11

04.16.2020 - CM BID

DATE:	GDD JOB NUMBER:
05 MARCH 2020	19469



FOURTH FLOOR PLAN – HVAC

SCALE: 1/8" = 1'-0"

PROJECT NORTH

RADIATION LEGEND

(A) REMOVE EXISTING RADIATION INCLUDING BACKPLATE, COVERS, FINNED–TUBE, ISOLATION VALVES, MANUAL AIR VENTS AND CONTROLS. IN IT'S PLACE INSTALL NEW RADIATION (COVER TO BE WALL TO WALL WHERE SHOWN) WITH END CAPS AND SPLICE PLATES AS REQUIRED, NEW ISOLATION VALVES, MANUAL AIR VENTS AND CONTROLS.

RADIATION BASE BID
SHALL BE "SLANT/FIN" OR EQUAL MULTI/PAK 80 HEAVY DUTY, HIGH OUTPUT BASEBOARD RADIATION WITH 18–GAUGE ONE PIECE FRONT PANEL, 16 GAUGE BRACKETS AND 22 GAUGE BACK AND TOP PANEL. RADIATION SHALL CONTAIN A HEATING ELEMENT TO PROVIDE A MINIMUM OF 700 B.T.U./FT. WITH 170°F. HOT WATER SUPPLY TEMPERATURE, PIPE SIZE TO MATCH EXISTING. ALL COVER COMPONENTS SHALL BE FACTORY PAINTED IN NU–WHITE OVEN BAKED CROSS–LINKED POLYESTER ENAMEL.

RADIATION ADD ALTERNATE
SHALL BE "SLANT/FIN" OR EQUAL 350 L SERIES HEAVY DUTY HIGH OUTPUT, SLOPE–TOP BASEBOARD RADIATION WITH 16 GAUGE STEEL ONE PIECE FRONT COVER, 17 GAUGE BRACKETS. PIPE SIZE TO MATCH EXISTING. RADIATION SHALL CONTAIN A HEATING ELEMENT TO PROVIDE A MINIMUM OF 700 B.T.U./FT. WITH 170°F. HOT WATER SUPPLY TEMPERATURE, PIPE SIZE TO MATCH EXISTING. ALL COVER COMPONENTS SHALL BE FACTORY PAINTED IN NU–WHITE OVEN BAKED CROSS–LINKED POLYESTER ENAMEL.

(B) EXISTING WALL MOUNTED FINNED–TUB RADIATION TO REMAIN. THE FINNED–TUBE ELEMENT MUST BE THOROUGHLY CLEANED, COVERS AND TRIM ARE TO BE REMOVED, CLEANED, PRIMED, PAINTED AND REINSTALLED (COLOR TO BE SELECTED BY ARCHITECT). SEQUENCE AS NOTED ABOVE SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

(C) NEW HOT WATER BASEBOARD RADIATION SHALL BE THE SAME AS NOTED IN "BASE BID" RADIATION ABOVE, COMPLETE WITH ISOLATION VALVES, MANUAL AIR VENTS AND CONTROLS.

(D) EXISTING RADIATION TO BE REMOVED IN IT'S ENTIRETY INCLUDING ALL ASSOCIATED PIPING, VALVES AND ACCESSORIES.

(F–10) SYMBOL INDICATES LENGTH OF RADIATION ELEMENT.

RADIATION CONTROLS

1. NEW RADIATION NOTED (A) SHALL BE INDIVIDUALLY CONTROLLED UTILIZING "TACO" RADIATION CONTROL VALVES.

   NEW RADIATION NOTED (C) SHALL BE INDIVIDUALLY CONTROLLED UTILIZING "TACO" ADIATION CONTROL VALVE.

2. FOR EXISTING RADIATION THAT REMAINS CONTRACTOR IS TO PROVIDE UNIT PIECES TO REPLACE ISOLATION VALVES, VENT VALVES AND CONTROL VALVES ON AN AS NEEDED BASIS.

ALL RADIATION TO BE EQUIPPED WITH "TACO" RADIATION CONTROL VALVES.

LEGEND – M–12

(1) NEW 8"x8" CEILING EXHAUST GRILLE WITH DAMPER, 70 C.F.M. EACH.

(2) REMOVE EXISTING CEILING EXHAUST GRILLE AND ASSOCIATED DUCTWORK BACK TO MAIN BRANCH.

(3) CONNECT NEW 6" DIA. EXHAUST DUCTWORK TO EXISTING AND EXTEND TO NEW EXHAUST GRILLE LOCATION.

(4) EXISTING 10"x8" EXHAUST DUCTWORK ABOVE CEILING.

(5) EXISTING EXHAUST RISER.

(6) REMOVE EXISTING CEILING EXHAUST GRILLE AND ASSOCIATED DUCTWORK BACK TO RISER LOCATION, BLANK OFF AT EXISTING RISER AIR–TIGHT.

(7) 7"x6" FROM BELOW AND 9"x6" UP THROUGH ROOF CURB AND TERMINATE WITH ROOF CAP.

(8) EXTEND EXISTING 8"x8" DUCTWORK.

(9) 4" DIA. (INSULATED) FLEX DUCTWORK, TYPICAL.

(10) CONNECT NEW 4" DIA. DUCTWORK TO EXISTING SUPPLY DUCTWORK ABOVE CEILING AND RUN TO FAN COIL UNIT, TYPICAL.

(11) 4" DIA. OUTSIDE AIR SCREENED INLET TYPICAL FOR (4).

(12) CONNECT NEW FAN COIL UNIT TO EXISTING SUPPLY DUCTWORK ABOVE CEILING (NOT SHOWN).

(13) EXISTING HOT WATER SUPPLY RISER EXTEND TO NEW PERIMETER RADIATION.

(14) EXISTING HOT WATER RETURN RISER EXTEND TO NEW PERIMETER RADIATION.

(15) SEE SECOND FLOOR PLAN DWG. M–10 FOR DUCTING OF CLOTHES DRYERS.

(16) OPEN END CONDENSATE DRAIN PUMPED DISCHARGE (PD) LINE OVER JANITORS SERVICE SINK.

(17) CONDENSATE DRAIN PUMPED DISCHARGE (PD) LINE FROM FAN COIL UNIT, TYPICAL

FAN COIL UNIT SCHEDULE – FOURTH FLOOR

SYMBOL	ROOM	DAIKIN FAN COIL UNIT MODEL	OUTDOOR UNIT	C.F.M.	O.A. C.F.M.	MOUNTING LOCATION	VOLTAGE	MCA	MOP
FUC–403	403	FXZQ024TAVJ	ACCU–5	777	150	CEILING	208–230V, 1PH	0.7	15A
FUC–404	404	FXZQ09TAVJ	ACCU–5	317	60	CEILING	208–230V, 1PH	0.3	15A
FUC–406	406	FXZQ09TAVJ	ACCU–5	317	60	CEILING	208–230V, 1PH	0.3	15A
FUC–408	408	FXZQ09TAVJ	ACCU–5	317	15	CEILING	208–230V, 1PH	0.3	15A
FUC–409	409	FXZQ09TAVJ	ACCU–4	317	20	CEILING	208–230V, 1PH	0.3	15A
FUC–411	411	FXZQ12TAVJ	ACCU–4	317	50	CEILING	208–230V, 1PH	0.4	15A
FUC–412	412	FXZQ12TAVJ	ACCU–4	317	30	CEILING	208–230V, 1PH	0.4	15A
FUC–413	413	FXZQ05TAVJ	ACCU–4	300	30	CEILING	208–230V, 1PH	0.3	15A
FUC–432	432	FXZQ05TAVJ	ACCU–4	300	7.5	CEILING	208–230V, 1PH	0.3	15A
FUC–461	461	FXZQ05TAVJ	ACCU–4	300	20	CEILING	208–230V, 1PH	0.3	15A
FUC–465	465	FXZQ05TAVJ	ACCU–4	300	30	CEILING	208–230V, 1PH	0.4	15A
FUC–415	415	FXZQ12TAVJ	ACCU–3	353	30	CEILING	208–230V, 1PH	0.3	15A
FUC–416	416	FXZQ05TAVJ	ACCU–3	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–417	417	FXZQ05TAVJ	ACCU–3	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–419	419	FXZQ05TAVJ	ACCU–3	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–420	420	FXZQ05TAVJ	ACCU–3	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–422	422	FXZQ05TAVJ	ACCU–3	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–424	424	FXZQ05TAVJ	ACCU–3	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–425	425	FXZQ05TAVJ	ACCU–3	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–440	440	FXZQ07TAVJ	ACCU–2	307	15	CEILING	208–230V, 1PH	0.3	15A
FUC–442	442	FXZQ07TAVJ	ACCU–2	307	15	CEILING	208–230V, 1PH	0.3	15A
FUC–443	443	FXZQ12TAVJ	ACCU–2	353	20	CEILING	208–230V, 1PH	0.4	15A
FUC–447	447	FXZQ12TAVJ	ACCU–2	353	20	CEILING	208–230V, 1PH	0.4	15A
FUC–449	449	FXZQ05TAVJ	ACCU–1	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–451	451	FXZQ05TAVJ	ACCU–1	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–452	452	FXZQ05TAVJ	ACCU–1	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–454	454	FXZQ05TAVJ	ACCU–1	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–455	455	FXZQ05TAVJ	ACCU–1	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–457	457	FXZQ05TAVJ	ACCU–1	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–466	466	FXZQ05TAVJ	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–467	467	FXZQ05TAVJ	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–470	470	FXZQ05TAVJ	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A
FUC–472	472	FXZQ05TAVJ	ACCU–6	300	15	CEILING	208–230V, 1PH	0.3	15A

ACCESSORIES SHALL INCLUDE: INLINE CONDENSATE PUMP, REFNET BRANCH PIPING KITS, WIRED REMOTE CONTROLLERS, INTERFACE FOR USE IN BACNET, INDIVIDUAL ROOM CONTROL, AND FRESH AIR INTAKE FLANGE.

1 DRAWING REVISION

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1	02.21.20	FAN COIL UNIT AND PLUMBING FIXTURE REVISIONS

JOEL SMILOW CARE CENTER
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PHASE II: INTERIOR RENOVATIONS & NEW CONSTRUCTION
725 PARK AVENUE
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EMS JOB 5033

DRAWING TITLE:

FOURTH FLOOR PLAN - HVAC

SCALE:	DRAWN BY:	REVIEWED BY:
1/8"=1'-0"	BJC	GDD

DRAWING NUMBER:

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