



Greenfield School Administration Office Project

Mechanical Addendum #1

May 6, 2016

Drawings:

- M1.1 At Note M on the plan, the CD pipe extends outside to grade. See attached Detail 435-08.
- M1.1 “Diffuser and Register Size Table” should be called “Supply Diffuser Size Table”.
- M1.1 VAV-126C is 760 CFM.
- M1.1 Room 115 will remain undivided. Existing fin tube radiation and thermostat to remain as is. Delete new heat pumps and ventilation systems shown. Provide one B18 heat pump near center of room, with local controller mounted adjacent to existing thermostat. Rebalance existing ventilation supply and exhaust air to 450 cfm each. See attached revised heat pump indoor unit schedule.
- M1.1 Provide 400 CFM of AHU-7 supply and return air to Computer Servers 124A. Adjust rebalancing of AHU-7 accordingly. Provide two S-1 diffusers at 200 CFM each, one R-1 return at 400 CFM, and ductwork. Provide manual volume dampers accessible from within the room. Coordinate volume damper and S-1/R-1 locations with Owner.
- M1.2 Delete Detail 891-04.
- M1.2 Add attached Detail 435-01.
- M1.2 Add attached Detail 891-13.

Specifications:

- 231675-S3. For HP-1, delete “SNOW/HAIL GUARDS KIT”.
- 231675-S4. See attached revised indoor VRF heat pump unit schedule.

MITSUBISHI VRF MULTIZONE HEAT PUMPS
Indoor Units
Greenfield School Administration Office Project - Greenfield, MA
Revised per Addendum #1
05/06/16

Plan #	Model #	Unit Type	Cooling Capacity * (BTU/H)	Heating Capacity ** (BTU/H)	Airflow (High/Low) (CFM)	Sound Pressure (High/Low) (Db(A))	Weight (Lbs)	Dimensions (H x W x D) (In.)	Condensate Drain Pipe Diameter (O.D. In.)	Cond. Pump	Min. Circuit Amps (Amps)	Max. Fuse Amps (Amps)
Big Ceiling Recessed – 3x3												
HP-B18	PLFY-P18NBMU-E	Clg. Recessed 3x3	18,000	20,000	636/494	32/28	64	10-3/16 x 33-3/32 x 33-3/32	1-1/4	Std.	0.45	15
HP-B24	PLFY-P24NBMU-E	Clg. Recessed 3x3	24,000	27,000	706/530	34/28	64	10-3/16 x 33-3/32 x 33-3/32	1-1/4	Std.	0.54	15
Ceiling Recessed – 2x2												
HP-C08	PLFY-P08NCMU-E	Clg. Recessed 2x2	8,000	9,000	350/280	38/29	41	8-3/16 x 22-7/16 x 22-7/16	1-1/4	Std.	0.29	15
HP-C12	PLFY-P12NCMU-E	Clg. Recessed 2x2	12,000	13,000	390/320	39/30	44	8-3/16 x 22-7/16 x 22-7/16	1-1/4	Std.	0.35	15
HP-C15	PLFY-P15NCMU-E	Clg. Recessed 2x2	15,000	17,000	390/320	40/31	44	8-3/16 x 22-7/16 x 22-7/16	1-1/4	Std.	0.35	15
Narrow Ceiling Recessed – 1 Way Blow												
HP-N06	PMFY-P06NBMU-E	Clg. Recessed 1-way	6,000	6,700	307/230	35/27	38	9-1/16 x 31-31/32 x 15-9/16	1-1/32	Std.	0.25	15
HP-N08	PMFY-P08NBMU-E	Clg. Recessed 1-way	8,000	9,000	328/258	37/32	38	9-1/16 x 31-31/32 x 15-9/16	1-1/32	Std.	0.25	15

Equal Manufacturers Accepted: Daikin, LG.

Each indoor unit must have cooling capacity equal to or greater than the capacity listed below, and match or exceed all Mitsubishi features.

Capacity Rating Conditions:

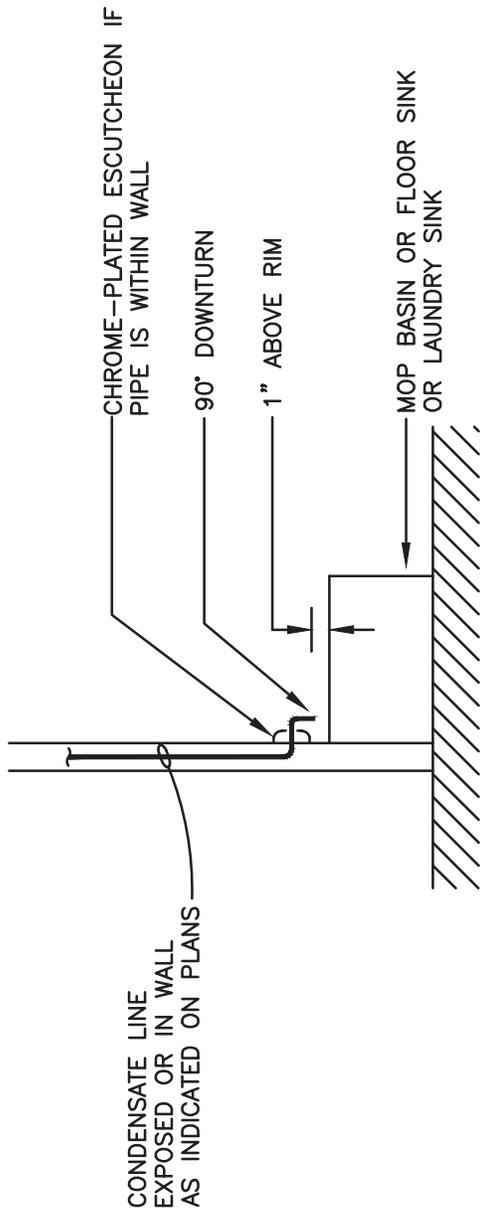
*Cooling Mode Nominal Conditions: 80 F Db/67 F Wb Indoor; 95 F Db Outdoor

**Heating Mode Nominal Conditions: 70 F Db Indoor; 47 F Db/43 F Wb Outdoor

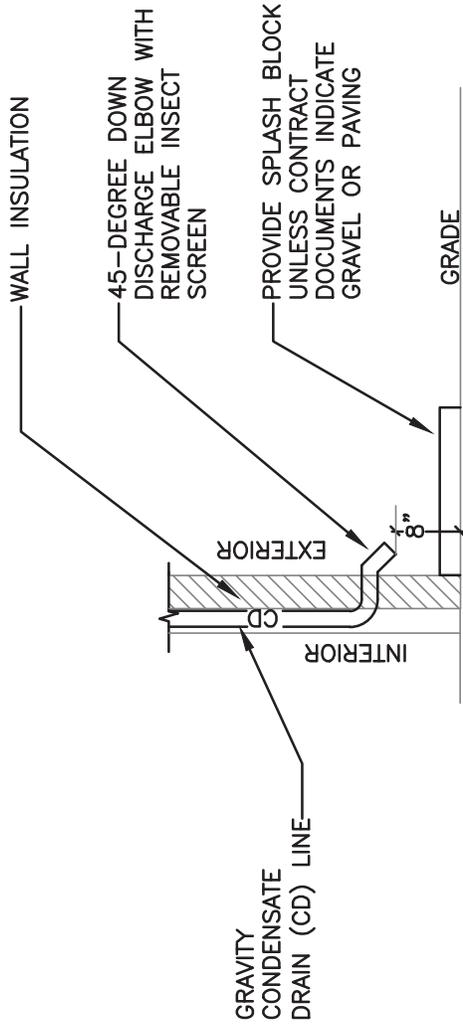
Condensate Pumps:

Std. = Includes pump as factory standard.

Kohler and Lewis (603) 352-4841

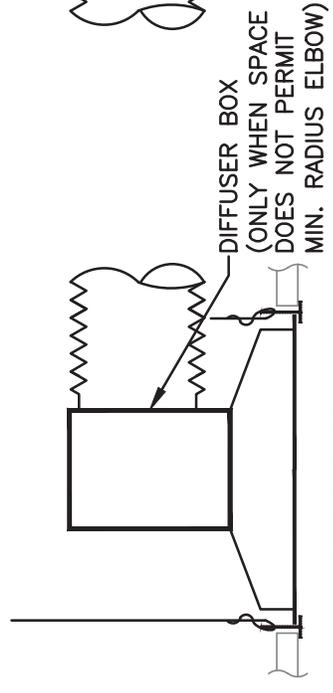
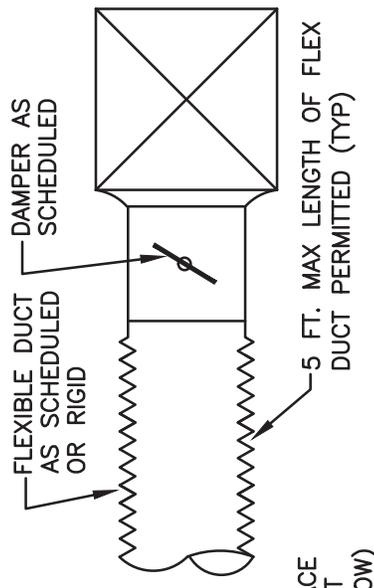


CONDENSATE DISCHARGE TO SERVICE SINK

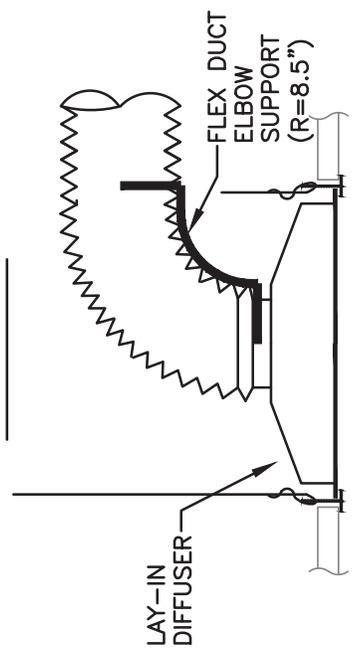


CONDENSATE PIPING TO GRADE DETAIL

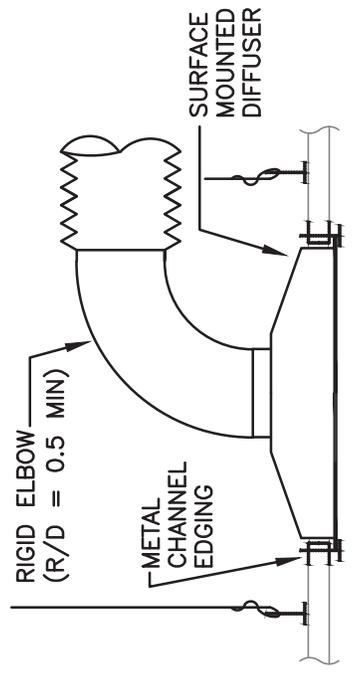
NOT TO SCALE



DIFFUSER BOX



ELBOW SUPPORT



RIGID ELBOW

CEILING DIFFUSER DUCTWORK OPTIONS

CEILING SUPPORT SYSTEM MUST SUPPORT DIFFUSER WEIGHT WHEN FLEXIBLE CONNECTIONS ARE USED. PROPERLY SIZE HOLE IN CEILING TILE. DIFFUSER DOES NOT SUPPORT THE TILE.

May 9, 2016

To: All bidders for Greenfield School Administration Office Project

Re: Addendum No. 2 (Includes Mechanical Addendum No.1 attachment)

Item 1 - Contractor Site Visit attendees 5/2/16

Sara Pearson – Northeast Painting Associates, Inc. (413) 586-5013

Christeen Chapdelaine – Goodless Electric (413)739-3835

Hunter Brockway – Gable Electric (413) 443-4082

Suzanne N. – Amp Electrical (413) 731-0009

Michael Poole – Icon West (413) 575-4201

Chris Donahue – Collins Electric (413) 598-1002

Derek Federowicz – Universal Electric (413) 788-94523

Chris Burger – Inglewood General Contractors (413) 567-0069

Dan Pallotta – P3 (OPM) (617) 594-8011

Brian De Vriese – Jablonski DeVriese Architects (413) 747-5285

Item 2 - Eliminate Offices 115A, 115B and Door 121 (Room 124A)

Drawings:

D1.1 Cabinets and sink will remain in Room 115 (See A1.1 for room nos.)

A1.1 Eliminate new partitions for offices 115A and 115B

A1.2 Existing lighting fixtures to remain in place

Eliminate partitions, diffusers and heat pumps shown in room115A and 115B

A2.1 Remove Rooms 115A and 115B from the Room finish Schedule

Remove Doors 113,114 and 121 from the door schedule

ED.1 All existing electrical systems shown within the lower right hand classroom adjacent to the stairwell is to remain.

E1.1 Delete the proposed lighting and related branch circuit wiring within room 115, 115A, 115B. The existing lighting will remain.

E1.2

a. Delete the reference to relocate the existing panel PP2 into the Records Storage Room. The panel will remain in its current location.

b. Delete the proposed power and data requirements within rooms 115, 115A and 115B. The existing electrical will remain. One heat pump (HP) will be required within the space. Coordinate with the HVAC Contractor to furnish 120 volt power to the unit.

FP1.1 No Sprinkler work will be done in Room 115. Sprinklers will remain as they exist.

Changes to Mechanical Drawings – See attached Kohler and Lewis Addendum No.1

Item 3 - Painting Questions:

NORTHEAST PAINTING ASSOCIATES, INC.
881 N. KING ST. NORTHAMPTON, MA 01060
TEL. 413-586-5013 FAX 413-585-0021

May 5, 2016

Jablonski DeVriese Architects, Inc.
29 Elliot Street
Springfield, MA 01105
Tel. 413-747-5285
Fax 413-747-0297
brian@jdarchitects.com

RE: Greenfield School Administration Office Project

1. Please clarify whether the bid bond should be payable to the "Town of Greenfield" as indicated on the sample bid bond or the "City of Greenfield" as indicated in Section 09912, Pg. 1, 1.1, C.

Town of Greenfield

2. The Invitation to Bid, Pg. 5 of the specs, Item 4 says to provide a list of three references with names, telephone numbers, and addresses of three similar jobs. Is this information required to be submitted with the bid and if so, can you provide us with a form?

Sub Bid Form includes spaces for references.

3. Please confirm that the filed sub-bid section number for Painting is 09912, not 09900 as indicated in the Instructions to Bidders or 09911 as indicated at the end of the Painting section.

09912

4. Section 01010, Pg. 2, 1.A, (10) lists the following scope of work for painting: new and existing gwb walls and ceilings, new and existing cmu walls, new interior wood doors, and hollow metal frames. Please clarify the following:

A) There are no ceilings called out on the Reflected Ceiling Plan on A1.2 or the Room Finish Schedule on A2.1 to be painted, but there are existing gwb soffits in several rooms and a number of existing gwb ceilings. Do these ceilings and soffits need to be painted?

Existing soffits and ceilings are to be painted. Each existing classroom has a soffit at the corridor wall and a soffit at the windows. Gypsum board partition in the corridor at doors 115 and 124 is to be painted to match existing adjacent color. Soffit and wall adjacent to door 124 should be painted to match existing color.

B) New interior wood doors are scheduled to be factory finished according to 08211, Pg. 6, 2.6,
D. What new wood doors, if any, are finished field finished under 09912?

New doors will be factory finished delete reference to field finishing of wood doors.

C) New hollow metal door frames are scheduled to be factory finished according to 08111, Pg. 5,
2.8, B. What new hollow metal frames, if any, are scheduled to be field finished under 09912?

H.M. frames should be factory primed and field painted. Delete reference to factory finish

D) If hollow metal frames are factory finished, should Section 08111 be responsible for touch-up rather than 09912 as indicated in 08111, Pg. 7, 3.4, F?

H.M. frames should be factory primed and field painted. Delete reference to factory finish

E) Do existing hollow metal frames need to be repainted?

Yes. All door frames new and existing in office and work areas are to be painted.

F) If existing hollow metal frames are painted, are they painted on both sides or only the side facing a room scheduled to be painted?

Existing H.M. frames will be painted both sides in the office areas and inside the room at doors on corridor walls

G) Do any of the existing wood doors need to be refinished?

Existing doors will not be refinished.

5. Rooms 112 and 113 are listed on the RFS on A2.1 as “Existing to Remain,” but they have cmu infills that require painting. Please clarify if only the walls with the infills are painted or if we should include repainting both rooms in their entirety.

Only the infill area will be painted. Color to match existing adjacent wall.

6. Rooms 118, 119, 124A, and 153 have walls and ceilings listed as “Existing to Remain” on the RFS on A2.1. Similarly, the ceilings (but not walls) in 154 and 155 are listed as ETR. Please clarify whether any painting is required at surfaces called out as “Existing to Remain” on the RFS.

No painting work in Rooms 118, 119, 124A, 153, 154 or 155

7. The RFS only calls out two walls for paint in Girls Toilet 122, and there is no ceiling information provided. Please confirm that only the north and west walls are painted and provide the ceiling type and finish.

Only the two walls will be painted to match existing.

8. The RFS lists the ceilings in 147 and 148 as “Exist. ACT” but the RCP shows them as hard ceilings. Please clarify the ceiling type and required finish for these rooms.

They are gypsum board and should be painted.

9. The room above Lunch 120, Men 119, and Janitor 153 is shown within the Limit of Work line on A1.1, but there is no room number. Please confirm there is no work in this room.

There is no painting work in that room.

10. Please clarify the scope of painting in corridors. None of them have room numbers and are therefore not on the RFS, but there are new walls and door and frame assemblies. Is painting in the corridors limited to new work only?

Painting work is limited to new work only. Match existing colors.

11. Please clarify the scope of painting in the stairs. They are not on the RFS but they have infills.

Painting work is limited to new work only. Match existing colors.

12. Please clarify whether existing window sills need to be painted.

Sills and apron trim will be painted

13. The note on A2.3 indicates that the finish for exterior railings is “paint over galvanized steel.”
Please confirm these railings are prefinished under 05700.

Railings will not be prefinished

14. Many of the existing classrooms have accent walls where the casework is located. Please clarify whether it is your intent to provide new accent colors at these locations.

No accent walls are planned.

15. In the room scheduled to become 125 and 125A, there is an applied wall treatment (possibly fabric or panels) that runs nearly floor to ceiling on all four walls. Please clarify whether this wall treatment is scheduled to be removed prior to repainting the existing walls.

The fabric panels will be removed at the intersection of the new walls. Paint exposed wall either side of new partition.

16. There are only a few ceiling heights called out on the RCP. Please clarify whether the existing unlabeled ceilings are at 9'5" and if not, please provide the correct heights.

All the unlabelled ceilings are 9'-5"

Kohler and Lewis Mechanical Addendum No.1 attached

End of Addendum No.2

Please acknowledge receipt of Addendum No. 2 on your bid form. Bid time and date remain unchanged

Brian De Vriese AIA
Jablonski DeVriese Architects, Inc.