

This Addendum forms a part of the Contract Documents and modifies the original bidding documents dated April 23, 2025, and Addendum #1, dated May 13, 2025. Please acknowledge receipt of this Addendum #2 in the space provided on the Bid Form; failure to do so may subject the Bidder to disqualification. The original conditions govern all work unless specifically exempted or modified herein.

This Addendum consists of **nine** (9) pages and is being issued for revised drawing and clarifications.

## **REPLACE THE REVISED DRAWING SHEET**

- EP101 Electrical Power First Floor Plan.
- E-501 Electrical Details.
- E-601 Electrical Schedules.
- MD102 Mechanical Piping First Floor Demolition Plan.
- MP101 Mechanical Piping First Floor.
- M-602 Mechanical Schedules.

# CLARIFICATIONS

Date:

Re:

From:

To:

## 1. Roof R-Value? Roof R-value 30 continuous.

- 2. Additional outlets in classrooms? Not at this time.
- 3. Is the Boiler replacement added to scope? Not at this time.

4. What is the asbestos abatement scope of work on project. There is no information identifying the material, location, or quantity to be addressed as part of this renovation. Clarification to enable us to provide pricing for this project? Asbestos spec is in there in case asbestos is encountered. Work stops and the owner will take care of the abatement.



5. Do we have a supplier/source for the brick, siding, and soffit to match existing? No designated supplier. The contractor will need to suggest matches.

6. Is the intent to provide a new Fire Alarm System for the whole school to bring it up to the code and Safety Standards? No. Only add new devices as shown on plans to the existing Simplex 4004 alarm panel. This was installed as part of the school addition project circa 2000.

7. Existing panel feeds from the MDP have no grounds in the conduits. The drawings show replacing sub panels (2) with new and reuse the existing conductors. The NEC requires a ground in the conduit raceway; we would install a new conductor and a ground. See attached Electrical Drawing.

8. *Hardware Specs?* See Door Schedule on the Architectural Plans, panic bars at vestibule and lever handles on office doors. The usual hinges and lever locksets for office doors. Please add closers on the vestibule doors.

9. Are the wood doors veneer? Yes.

10. S002 no design on how to fasten brick to the CMU? Per Specification Section 04 24 23 Cavity Wall Unit Masonry – use Hohmann & Barnard 2-seal BYNA Lok wire tie with 2-seal concrete seal tie at 16" on center vertical and horizontal.

11. A003 detail B2, what is the mechanical tie between brick and block? See Specification Section 04 20 00 2.3 Accessories C. Dovetail anchors.

12. Can S303 L8x6x12 lintel and (E) CMU Bond Beam be steel I-beam? No, current lintel designs are required.

13. S302 shows splice in cut new CMU wall into existing, do you have a detail for this? Provide joint where new CMU walls supported by slabs abut the existing CMU walls supported on foundation walls. Provide Hohmann & Barnard Slip-Set stabilizer control joint anchor at 24 inches on center at joint.

*14.* S002 note 10 is this a typical 90-degree corner or a rounded corner? Note 10 refers to the corners of multiple walls intersecting one another.

15. S303 (E) CMU Bond Beam and lintel. In lieu of this, can we pocket an LVL? No, current lintel design is required.

16. S101 (N) 6" CMU Bearing Wall. Can we install a steel post instead of CMU? No, CMU is required.

17. 2 to 4 slump concrete will not be something we can work with on this project. We are wondering if this spec could be increased to a 6 to 8 slump, or if we can use superplasticizer as a water reducer. Slump up to 6" may be used as long as plasticizers are used to maintain required water to cement ratios.

18. Spec calls for Type 2 concrete, no supplier in Aroostook County can offer this. They supply Type *1L*. **Type 1L concrete is allowable.** 



19. Do we have to grout the well? Yes, State rules require grouting of the casing to fill the void. Please follow all State Regulations required for well drilling. Reference 144A CMR Chapter 232, Well Drillers and Pump Installers Rules by State of Maine Department of Health and Human Services.

20. Well screen and gravel filters? Yes, per Section 2.1 (C).

21. What is the test hole 3.1 A? See Section 3.5.

22. What do we need for gallons per minute for the well? For bidding purposes, assume 60 gallons per minute.

23. In one area it says below grade and another area it says 36 inches above grade? The well cap needs to extend 36" above grade. Recording the casing below grade is for documentation.

24. What is the requirement for pump gpm to be supplied? See response for #22.

25. We are having difficulties locating a steel contractor who has the AISC certification. The contractors have mentioned in the past that the architect has waived this requirement. For the amount of steel on this project, we are wondering if this requirement can be waived. An AISC certified fabricator is required for this project, and AISC certified erector is not required.





<u>ERV-6</u> <u>30AS</u> P2-11,13 CLASSROOM-2 122-2 

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-1/16" THICK WHITE PLASTIC WITH COLORED FACE PER SPECIFICATIONS

-1/2" HIGH LETTERING FOR PENELBOARD NAME

-1/4" HIGH LETTERING FOR REMAINING TEXT -ADHESIVE BACKING WHEN INSTALLED IN CONDITIONED SPACES

-EQUIPMENT NAME

-EQUIPMENT VOLTAGE

-FASTEN WITH BRASS SCREWS WHEN LOCATED IN NON-CONDITIONED OR EXTERIOR SPACES

-EQUIPMENT SOURCE (PANEL & CIRCUIT)



		7					6							
	Di	stribution Pane	MDP											
		Location Supply From	: BASEMENT : UTILITY POLE				I	Volts: Phases:	120/208 3	Wye				A.I.C. Ra Mains T
		Mounting Enclosure	: SURFACE : NEMA 1					Wires:	4					Mains Ra MCB Ra
	Notes:						<u>\</u> 1							
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	скт	Circuit Descripti	on	Trip	Poles		4		В		С	Poles	Trip	
	1	WATER PUMP	-	30 A	2	0.0 W	0.0 W	0.0 W	0.0 W			2	30 A	SPARE
	5 7	SPARE		60 A	2	0.0 W	0.0 W			0.0 W	0.0 W	2	60 A	STOVE
	9	PANEL P1		60 A	2			0.0 W	0.0 W	0.0 W	0.0 W	2	60 A	FURNACE
<u> </u>	13 15	LPB		125 A	2	0.0 W	0.0 W	0.0 W	0.0 W			2	125 A	LPA
	17 19	OU-1 FEED 1		90 A	3	4953	5666			4953	5666	3	100 A	0U-2
	21 23							4953	5666	4953	2066	-		
	25 27	OU-1 FEED 2		90 A	3	4953	2066	4953	2066	4050	4050	3	20 A	EUH-1
	29 31 33	OU-3 FEED 1		90 A	3	4953	4953	4953	4953	4955	4955	3	90 A	OU-3 FEED
	35 37	SPARE		30 A	3	0.0 W	0.0 W			0.0 W	0.0 W	3	20 A	SPARE
	39 41							0.0 W	0.0 W	200.0	396.0			
	43 45	IU 14-17		15 A	2	200.0	396.0	250.0	80.0 W			2	15 A	IU 1-12
	47 49	ERV-7		15 A	2	205.6	2704			250.0	80.0 W	2	15 A	BRANCH
	51 53			20 A	2			205.6	2704	0.0 W	300.0	2	30 A 15 A	ERV-2
	55 57	SPARE SDADE		15 A	2	0.0 W	9940	0.0 W	7180			3	100 A	PANEL P2
	59			Tota	al Load:	40992	2.3 W	3796	6.3 W	0.0 W 3763	8860 2.7 W			
	Legend	:		Tota	I Amps:	342	2 A	31	7 A	31	4 A			
	Load C	assification		Con	nected L	oad	Der	nand Fa	ctor	Estin	nated De	mand		
	HVAC HEATIN	G		7	8592.0 V 9300.0 V	V V		100.00% 100.00%	)	2	78592.0 V 29300.0 V	N N		Total
	ELECT	RIC WATER HEATING			2880.0 W 5408.0 W			100.00%	)		2880.0 V 5408.0 V	V V		
		1G			411.2 VV			100.00%	)		411.2 VV			Iotal E
	Notes:													

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ating: 22 kAIC Type: MCB ating: 800 A ating: 800 A			
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Circuit De	escription	2	
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CONTROLLER	BC-1	40	
		40 50	
TER HEATER		52	
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2		58	
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Denci	Totala		
Paner	Totals		
l Conn. Load:	116591.2 W		
Est. Demand:	116591.2 W		
Total Conn.:	324 A		
Est. Demand:	324 A		

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### Supply From: MDP Mounting: SURFACE Enclosure: NEMA 1 Phases: 3 Wires: 4 CK Trip Poles Α С **Circuit Description** В Poles BREAK ROOM SINK RECEPTACLE 20 A 1 180.0... 900.0 W 1 ADMIN OFFICE RECEPTACLES BREAK ROOM COPIER EXTERIOR SERVICE RECEPTACLE 9 KICK HEATER 11 EDC RM 122 13 15 EDC RM 123 17 19 EDC RM 109 23 EDC GYMNASIUM 25 27 SPARE 29 SPARE 31 SPARE 33 SPARE 35 SPARE 37 SPARE 20 A 1 0.0 W 0.0 W 39 SPARE 20 A 1 0.0 W 0.0 W 1 20 A 1 0.0 W 0.0 W 1 Total Load: 9940.0 W 7180.0 W 8860.0 W 41 SPARE Total Amps: 85 A 60 A 76 A Legend:

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Branch Panel: P2

Location: BASEMENT

oad Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
IEATING	23100.0 W	100.00%	23100.0 W		
RECEPTACLE	2880.0 W	100.00%	2880.0 W	Total Conn. Load:	25980.0 W
				Total Est. Demand:	25980.0 W
				Total Conn.:	72 A
				Total Est. Demand:	72 A
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Volts: 120/208 Wye

A.I.C. Rating: 22 kAIC Mains Type: MLO Mains Rating: 225 A

Trip	Circuit Description	ск
		I
20 A	FRONT OFFICE RECEPTACLES	2
20 A	FRONT OFFICE COPIER	4
20 A	BREAK ROOM REFRIGERATOR	6
20 A	ADMIN OFFICE REFRIGERATOR	8
20 A	SPARE	10
20.4	EDC DM 101	12
20 A		14
20.4		16
20 A		18
20 4	EDC RM 108	20
20 7		22
20 A	SPARE	24
20 A	SPARE	26
20 A	SPARE	28
20 A	SPARE	30
20 A	SPARE	32
20 A	SPARE	34
20 A	SPARE	36
20 A	SPARE	38
20 A	SPARE	40
20 A	SPARE	42

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# **MECHANICAL PIPING GENERAL NOTES:**

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   |   | ELEC  
                             | TRICAL CO  | NNECTION #  | 1 - MAIN UNIT  
  |  
   |   | OPERATING  | PRE   | FINAL  
  | TYPICAL UNIT  |  |  |
| LOCATION          | AREA SERVED   | AIRFLOW<br>(CFM)  | AIRFLOW<br>(CFM)  | SUPPLY<br>AIRFLOW<br>(CFM)  | FAN<br>QTY  | TSP/ESP<br>(IN WC)   
   
   
                         | HP<br>(EACH)  | EXHAUST<br>AIRFLOW<br>(CFM)  | FAN<br>QTY   
   
   | TSP/ESP<br>(IN WC)   | HP<br>(EACH)   
   
   | VOLTS/Ø   | FLA   
                             | МСА  | МОСР  | DISCONNECT<br>BY DIV 26<br>(Y/N)   
  | STANDBY<br>POWER<br>(Y/N)  
   | WHEEL<br>(Y/N)  | WEIGHT<br>(LBS)  | FILTERS<br>(MERV)   | FILTERS<br>(MERV)  
  | MFG & MODEL<br>NO.  | NOTES:   |  |
| 112 MP<br>STORAGE | GYMNASIUM   | 625   | 625   | 632   | 1   | .5   
   
   
                         | 0.50  | 625  | 1  
   
   | .4   | 0.50   
   
   | 208/1   | 3.1   
                             | 3.5  | 15  | Y  
  | Y  
   | Ν   | 196  | 8   | 8  
  | RENEWAIRE<br>HE07-JINH-S15AA1GNTL   | ALL  |  |
| 109<br>CLASSROOM  | CLASSROOM   | 230   | 230   | 230   | 1   | .5   
   
   
                         | 0.11  | 230  | 1  
   
   | .4   | 0.11   
   
   | 120/1   | 2.5   
                             | 15   | 15  | Y  
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   | Ν   | 52   | 8   | 8  
  | RENEWAIRE EV PREMIUM LH   | ALL  |  |
| 121<br>CLASSROOM  | CLASSROOM   | 230   | 230   | 230   | 1   | .5   
   
   
                         | 0.11  | 230  | 1  
   
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   | 120/1   | 2.5   
                             | 15   | 15  | Y  
  | Y  
   | Ν   | 52   | 8   | 8  
  | RENEWAIRE EV PREMIUM LH   | ALL  |  |
| 122<br>CLASSROOM  | CLASSROOM   | 230   | 230   | 230   | 1   | .5   
   
   
                         | 0.11  | 230  | 1  
   
   | .4   | 0.11   
   
   | 120/1   | 2.5   
                             | 15   | 15  | Y  
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   | Ν   | 52   | 8   | 8  
  | RENEWAIRE EV PREMIUM LH   | ALL  |  |
| 118<br>CLASSROOM  | CLASSROOM   | 230   | 230   | 230   | 1   | .5   
   
   
                         | 0.11  | 230  | 1  
   
   | .4   | 0.11   
   
   | 120/1   | 2.5   
                             | 15   | 15  | Y  
  | Y  
   | Ν   | 52   | 8   | 8  
  | RENEWAIRE EV PREMIUM LH   | ALL  |  |
| 123<br>CLASSROOM  | CLASSROOM   | 230   | 230   | 230   | 1   | .5   
   
   
                         | 0.11  | 230  | 1  
   
   | .4   | 0.11   
   
   | 120/1   | 2.5   
                             | 15   | 15  | Y  
  | Y  
   | Ν   | 52   | 8   | 8  
  | RENEWAIRE EV PREMIUM LH   | ALL  |  |
| 108 LIBRARY       | LIBRARY/OFFICES   | 380   | 380   | 380   | 1   | .5   
   
   
                         | 0.5   | 380  | 1  
   
   | .4   | 0.5  
   
   | 208/1   | 2.32  
                             | 2.6  | 15  | Y  
  | Y  
   | Ν   | 148  | 8   | 8  
  | RENEWAIRE<br>HE07-JINH-S15EEGNTL  | ALL  |  |
| 1. REFER TO NOT   | TES, DETAILS, SEQUENC   | CE OF OPERATI   | IONS, AND SPE   | CIFICATIONS FO  | OR ADDITIONA  | AL REQUIREMEN  
   
   
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|                   | LOCATION<br>112 MP STORAGE<br>109 CLASSROOM<br>121 CLASSROOM<br>122 CLASSROOM<br>122 CLASSROOM<br>118 CLASSROOM<br>108 LIBRARY<br>1. REFER TO NOT | LOCATIONAREA SERVED112 MP<br>STORAGEGYMNASIUM112 MP<br>STORAGEGYMNASIUM109<br>CLASSROOMCLASSROOM121<br>CLASSROOMCLASSROOM121<br>CLASSROOMCLASSROOM122<br>CLASSROOMCLASSROOM122<br>CLASSROOMCLASSROOM123<br>CLASSROOMCLASSROOM108 LIBRARYLIBRARY/OFFICES1. REFER TO NOTES, DETAILS, SEQUENCE | LOCATIONAREA SERVEDTOTAL<br>AIRFLOW<br>(CFM)112 MP<br>STORAGEGYMNASIUM625\$109<br>CLASSROOMCLASSROOM230\$121<br>CLASSROOMCLASSROOM230\$121<br>CLASSROOMCLASSROOM230\$122<br>CLASSROOMCLASSROOM230\$122<br>CLASSROOMCLASSROOM230\$123<br>CLASSROOMCLASSROOM230\$108<br>LIBRARYLIBRARY/OFFICES380\$1. 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DETAILS, SEQUENCE OF OPERATIONS, AND SEVICATIONS FOR CATIONS FOR CATION | LOCATION         AREA SERVED         TOTAL<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         SUPPLY<br>AIRFLOW<br>(CFM)         SUPHY<br>AIRFLOW<br>(CFM)         SUPHY<br>AIRFLOW<br>(CFM)         SUPHY<br>AIRFLOW<br>(CFM)         SUPHY<br>AIRFLOW<br>(CFM)         SUPHY<br>AIRFLOW<br>(CFM)         SUPHY<br>AIRFLOW<br>(CFM)         SUPHY<br>AIRFLOW<br>(CFM)          SUPHY<br>AIRFLOW<br>(CFM) <tht< td=""><td>LOCATION         AREA SERVED         TOTAL<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         SUPPLY<br/>AIRFLOW<br/>(CFM)         SUPPLY<br/>AIRFLOW<br/>(CFM)</td><td>LOCATION         AREA SERVED         TOTAL<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         SUPPLY<br/>AIRFLOW<br/>(CFM)         FAN<br/>OTY         TSP/ESP<br/>(IN WC)         HP<br/>(EACH)           112 MP<br/>STORAGE         GYMNASIUM         625         625         632         1         .5         0.50           109<br/>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11           121<br/>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11           122<br/>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11           122<br/>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11           122<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11           122<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11           123<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11           108 LIBRARY         LIBRARY/OFFICES         380         380         380         1         .5         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118<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230           118<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230           108 LIBRARY         LIBRARY/OFFICES         380         380         380         1<td>LOCATION         AREA SERVED         TOTAL<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         FAN<br/>AIRFLOW<br/>(CFM)         SUPPL'Y<br/>AIRFLOW<br/>(CFM)         SUPPL'Y<br/>AIRFLOW<br/>(CFM)         TSP/ESP<br/>(IN WC)         HP<br/>(EACH)         EXHAUST<br/>AIRFLOW<br/>(CFM)         FAN<br/>OTY           112 MP<br/>STORAGE         GYMNASIUM         625         625         632         1         .5         0.50         625         1           0 LLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1           121<br/>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1           121<br/>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1           121<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1           118<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1           123<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1           128<br/>CLASSROOM</td><td>LOCATION         AREA SERVED         TOTAL<br/>AREA SERVED         TOTAL<br/>CFM         REFUR<br/>AIRFLOW<br/>(CFM)         REFUR<br/>AIRFLOW<br/>(CFM)         TOTAL<br/>AIRFLOW<br/>(CFM)         REFUR<br/>AIRFLOW<br/>(CFM)         SUPPLY<br/>AIRFLOW<br/>(CFM)         TSP/ESP<br/>(IN WC)         HP<br/>(EACH)         KHAUST<br/>(CFM)         FAN<br/>CTY         TSP/ESP<br/>(IN WC)           112 MP<br/>STORAGE         GYMNASIUM         625         625         632         1         .5         0.50         625         1         .4           109<br/>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1         .4           122<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           122<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           118<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           123<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           108 LIBRARY         LIBRARY/OFFICES         380<td>LOCATION         AREA SERVED         TOTAL<br/>ARFLOW<br/>(CFM)         RETURN<br/>ARFLOW<br/>(CFM)         RETURN<br/>ARFLOW<br/>(CFM)         RETURN<br/>AURPLY<br/>(CFM)         RETURN<br/>AURPLY<br/>(CFM)         SUPPLY<br/>AURPLY<br/>AURPLY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(EACH)         EXHAUST<br/>AURDEX<br/>(CFM)         FAN<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         AURUST<br/>AURDEX<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         AURUST<br/>AURUST         FAN<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         FAN<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         HP<br/>(N WC)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(CACH)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(CACH)         <thtsp esp<br="">(CACH)         <thtsp esp<br="">(CACH)     &lt;</thtsp></thtsp></td><td>ICR C SUPER SUPER</td><td>ICC ATION         AREA SERVED         TOTAL AREA DRIVE AREA DRIVE</td><td>ICLASSROOM         CLASSROOM         230         230         1         1         CLASSROOM         230         230         1         C         FAN SUPPLY         FAN SUPLY         FAN SUPLY         FAN SUPLY         FAN SUPLY</td><td>INTRODUCTION AREA SERVED         AREA SERVED         FAINE SUPLY FAIN         FAINE SUPLY FAIN         ELHAUST FAIN         ELHAUST FAIN         FLICT COLLECTION #           1112 MP<br/>STORAGE         GYMINASIUM         625         626         632         1         5.000         FLICT COLLECTION #           1112 MP<br/>STORAGE         GYMINASIUM         625         632         1         5.000         628         1         6.010         6.050         628         1         6.010         6.050         6.011         <th colspa="&lt;/td"><td>LOCATION         AREA SERVED         TOTAL<br/>(CFM)         RETURN<br/>(CFM)         RETURN<br/>(CFM)         TSP(ESP)<br/>(CFM)         TSP(ESP)<br/>(N,WC)         CHAUST<br/>(REACH)         STORE<br/>CRAUST<br/>(CFM)         RETURN<br/>(CFM)         RETURN<br/>(CFM)         SUPPLY FAN         EXHAUST<br/>(REACH)         STORE<br/>CRAUST<br/>(CFM)         RETURN<br/>(CFM)         Mach         Mach</td><td>Incrementation         AREA SERVED         TOTAL<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>France<br/>(CFM)         TSPESP<br/>(NWC)         REXHAUST<br/>(REAC)         TSPESP<br/>(NWC)         Fan<br/>(REC)         TSPESP<br/>(NWC)         Fan<br/>(REC)         TSPESP<br/>(NWC)         RETURN<br/>(REC)         Noch         Noch         Noch         Noch         Noch         Noch         STANDBY<br/>(V/N)           112 MP<br/>(TSPAACE         GYMNASIUM         625         625         632         1         5         0.50         625         1         4         0.50         208/1         3.1         3.5         15         Y         Y           112 MP<br/>(TASSROOM         CLASSROOM         230         230         1         .5         0.50         625         1         .4         0.50         208/1         3.1         3.5         15         Y         Y           109<br/>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4         0.11         120/1         2.5         15         15         Y         Y           112<br/>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230</td><td>AREA SERVED         AREA SERVED</td><td>Location         Area served         Total life (of M)         Return (of M)         Fan (of M)         Signal (of M)</td><td>Image: here in the series of the se</td><td>NAREA SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVER           11222         Colspan= Server Weight Server Weigh</td><td>Image: proper proper</td></th></td></td></td></tht<> | LOCATION         AREA SERVED         TOTAL<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         SUPPLY<br>AIRFLOW<br>(CFM)         SUPPLY<br>AIRFLOW<br>(CFM) | LOCATION         AREA SERVED         TOTAL<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         SUPPLY<br>AIRFLOW<br>(CFM)         FAN<br>OTY         TSP/ESP<br>(IN WC)         HP<br>(EACH)           112 MP<br>STORAGE         GYMNASIUM         625         625         632         1         .5         0.50           109<br>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11           121<br>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11           122<br>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11           122<br>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11           122<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11           122<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11           123<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11           108 LIBRARY         LIBRARY/OFFICES         380         380         380         1         .5         0.5 | LOCATION         AREA SERVED         TOTAL<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         SUPPLY<br>AIRFLOW<br>(CFM)         SUPPLY<br>AIRFLOW<br>(CFM)         SUPPLY<br>AIRFLOW<br>(CFM)         TSP/ESP<br>(IN WC)         HP<br>(EACH)         EXHAUST<br>AIRFLOW<br>(EACH)           112 MP<br>STORAGE         GYMNASIUM         625         625         632         1         .5         0.50         625           109<br>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230           121<br>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230           122<br>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230           122<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230           118<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230           118<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230           108 LIBRARY         LIBRARY/OFFICES         380         380         380         1 <td>LOCATION         AREA SERVED         TOTAL<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         FAN<br/>AIRFLOW<br/>(CFM)         SUPPL'Y<br/>AIRFLOW<br/>(CFM)         SUPPL'Y<br/>AIRFLOW<br/>(CFM)         TSP/ESP<br/>(IN WC)         HP<br/>(EACH)         EXHAUST<br/>AIRFLOW<br/>(CFM)         FAN<br/>OTY           112 MP<br/>STORAGE         GYMNASIUM         625         625         632         1         .5         0.50         625         1           0 LLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1           121<br/>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1           121<br/>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1           121<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1           118<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1           123<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1           128<br/>CLASSROOM</td> <td>LOCATION         AREA SERVED         TOTAL<br/>AREA SERVED         TOTAL<br/>CFM         REFUR<br/>AIRFLOW<br/>(CFM)         REFUR<br/>AIRFLOW<br/>(CFM)         TOTAL<br/>AIRFLOW<br/>(CFM)         REFUR<br/>AIRFLOW<br/>(CFM)         SUPPLY<br/>AIRFLOW<br/>(CFM)         TSP/ESP<br/>(IN WC)         HP<br/>(EACH)         KHAUST<br/>(CFM)         FAN<br/>CTY         TSP/ESP<br/>(IN WC)           112 MP<br/>STORAGE         GYMNASIUM         625         625         632         1         .5         0.50         625         1         .4           109<br/>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1         .4           122<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           122<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           118<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           123<br/>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           108 LIBRARY         LIBRARY/OFFICES         380<td>LOCATION         AREA SERVED         TOTAL<br/>ARFLOW<br/>(CFM)         RETURN<br/>ARFLOW<br/>(CFM)         RETURN<br/>ARFLOW<br/>(CFM)         RETURN<br/>AURPLY<br/>(CFM)         RETURN<br/>AURPLY<br/>(CFM)         SUPPLY<br/>AURPLY<br/>AURPLY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(EACH)         EXHAUST<br/>AURDEX<br/>(CFM)         FAN<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         AURUST<br/>AURDEX<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         AURUST<br/>AURUST         FAN<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         FAN<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         HP<br/>(N WC)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(CACH)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(CACH)         <thtsp esp<br="">(CACH)         <thtsp esp<br="">(CACH)     &lt;</thtsp></thtsp></td><td>ICR C SUPER SUPER</td><td>ICC ATION         AREA SERVED         TOTAL AREA DRIVE AREA DRIVE</td><td>ICLASSROOM         CLASSROOM         230         230         1         1         CLASSROOM         230         230         1         C         FAN SUPPLY         FAN SUPLY         FAN SUPLY         FAN SUPLY         FAN SUPLY</td><td>INTRODUCTION AREA SERVED         AREA SERVED         FAINE SUPLY FAIN         FAINE SUPLY FAIN         ELHAUST FAIN         ELHAUST FAIN         FLICT COLLECTION #           1112 MP<br/>STORAGE         GYMINASIUM         625         626         632         1         5.000         FLICT COLLECTION #           1112 MP<br/>STORAGE         GYMINASIUM         625         632         1         5.000         628         1         6.010         6.050         628         1         6.010         6.050         6.011         <th colspa="&lt;/td"><td>LOCATION         AREA SERVED         TOTAL<br/>(CFM)         RETURN<br/>(CFM)         RETURN<br/>(CFM)         TSP(ESP)<br/>(CFM)         TSP(ESP)<br/>(N,WC)         CHAUST<br/>(REACH)         STORE<br/>CRAUST<br/>(CFM)         RETURN<br/>(CFM)         RETURN<br/>(CFM)         SUPPLY FAN         EXHAUST<br/>(REACH)         STORE<br/>CRAUST<br/>(CFM)         RETURN<br/>(CFM)         Mach         Mach</td><td>Incrementation         AREA SERVED         TOTAL<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>France<br/>(CFM)         TSPESP<br/>(NWC)         REXHAUST<br/>(REAC)         TSPESP<br/>(NWC)         Fan<br/>(REC)         TSPESP<br/>(NWC)         Fan<br/>(REC)         TSPESP<br/>(NWC)         RETURN<br/>(REC)         Noch         Noch         Noch         Noch         Noch         Noch         STANDBY<br/>(V/N)           112 MP<br/>(TSPAACE         GYMNASIUM         625         625         632         1         5         0.50         625         1         4         0.50         208/1         3.1         3.5         15         Y         Y           112 MP<br/>(TASSROOM         CLASSROOM         230         230         1         .5         0.50         625         1         .4         0.50         208/1         3.1         3.5         15         Y         Y           109<br/>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4         0.11         120/1         2.5         15         15         Y         Y           112<br/>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230</td><td>AREA SERVED         AREA SERVED</td><td>Location         Area served         Total life (of M)         Return (of M)         Fan (of M)         Signal (of M)</td><td>Image: here in the series of the se</td><td>NAREA SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVER           11222         Colspan= Server Weight Server Weigh</td><td>Image: proper proper</td></th></td></td> | LOCATION         AREA SERVED         TOTAL<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         FAN<br>AIRFLOW<br>(CFM)         SUPPL'Y<br>AIRFLOW<br>(CFM)         SUPPL'Y<br>AIRFLOW<br>(CFM)         TSP/ESP<br>(IN WC)         HP<br>(EACH)         EXHAUST<br>AIRFLOW<br>(CFM)         FAN<br>OTY           112 MP<br>STORAGE         GYMNASIUM         625         625         632         1         .5         0.50         625         1           0 LLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1           121<br>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1           121<br>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1           121<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1           118<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1           123<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1           128<br>CLASSROOM | LOCATION         AREA SERVED         TOTAL<br>AREA SERVED         TOTAL<br>CFM         REFUR<br>AIRFLOW<br>(CFM)         REFUR<br>AIRFLOW<br>(CFM)         TOTAL<br>AIRFLOW<br>(CFM)         REFUR<br>AIRFLOW<br>(CFM)         SUPPLY<br>AIRFLOW<br>(CFM)         TSP/ESP<br>(IN WC)         HP<br>(EACH)         KHAUST<br>(CFM)         FAN<br>CTY         TSP/ESP<br>(IN WC)           112 MP<br>STORAGE         GYMNASIUM         625         625         632         1         .5         0.50         625         1         .4           109<br>CLASSROOM         CLASSROOM         230         230         230         1         .5         0.11         230         1         .4           122<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           122<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           118<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           123<br>CLASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4           108 LIBRARY         LIBRARY/OFFICES         380 <td>LOCATION         AREA SERVED         TOTAL<br/>ARFLOW<br/>(CFM)         RETURN<br/>ARFLOW<br/>(CFM)         RETURN<br/>ARFLOW<br/>(CFM)         RETURN<br/>AURPLY<br/>(CFM)         RETURN<br/>AURPLY<br/>(CFM)         SUPPLY<br/>AURPLY<br/>AURPLY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(EACH)         EXHAUST<br/>AURDEX<br/>(CFM)         FAN<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         AURUST<br/>AURDEX<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         AURUST<br/>AURUST         FAN<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         FAN<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         HP<br/>(N WC)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(N WC)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(CACH)         HP<br/>(CACH)         CHAUST<br/>AURY<br/>(CFM)         TSP/ESP<br/>(CACH)         <thtsp esp<br="">(CACH)         <thtsp esp<br="">(CACH)     &lt;</thtsp></thtsp></td> <td>ICR C SUPER SUPER</td> <td>ICC ATION         AREA SERVED         TOTAL AREA DRIVE AREA DRIVE</td> <td>ICLASSROOM         CLASSROOM         230         230         1         1         CLASSROOM         230         230         1         C         FAN SUPPLY         FAN SUPLY         FAN SUPLY         FAN SUPLY         FAN SUPLY</td> <td>INTRODUCTION AREA SERVED         AREA SERVED         FAINE SUPLY FAIN         FAINE SUPLY FAIN         ELHAUST FAIN         ELHAUST FAIN         FLICT COLLECTION #           1112 MP<br/>STORAGE         GYMINASIUM         625         626         632         1         5.000         FLICT COLLECTION #           1112 MP<br/>STORAGE         GYMINASIUM         625         632         1         5.000         628         1         6.010         6.050         628         1         6.010         6.050         6.011         <th colspa="&lt;/td"><td>LOCATION         AREA SERVED         TOTAL<br/>(CFM)         RETURN<br/>(CFM)         RETURN<br/>(CFM)         TSP(ESP)<br/>(CFM)         TSP(ESP)<br/>(N,WC)         CHAUST<br/>(REACH)         STORE<br/>CRAUST<br/>(CFM)         RETURN<br/>(CFM)         RETURN<br/>(CFM)         SUPPLY FAN         EXHAUST<br/>(REACH)         STORE<br/>CRAUST<br/>(CFM)         RETURN<br/>(CFM)         Mach         Mach</td><td>Incrementation         AREA SERVED         TOTAL<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>France<br/>(CFM)         TSPESP<br/>(NWC)         REXHAUST<br/>(REAC)         TSPESP<br/>(NWC)         Fan<br/>(REC)         TSPESP<br/>(NWC)         Fan<br/>(REC)         TSPESP<br/>(NWC)         RETURN<br/>(REC)         Noch         Noch         Noch         Noch         Noch         Noch         STANDBY<br/>(V/N)           112 MP<br/>(TSPAACE         GYMNASIUM         625         625         632         1         5         0.50         625         1         4         0.50         208/1         3.1         3.5         15         Y         Y           112 MP<br/>(TASSROOM         CLASSROOM         230         230         1         .5         0.50         625         1         .4         0.50         208/1         3.1         3.5         15         Y         Y           109<br/>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4         0.11         120/1         2.5         15         15         Y         Y           112<br/>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230</td><td>AREA SERVED         AREA SERVED</td><td>Location         Area served         Total life (of M)         Return (of M)         Fan (of M)         Signal (of M)</td><td>Image: here in the series of the se</td><td>NAREA SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVER           11222         Colspan= Server Weight Server Weigh</td><td>Image: proper proper</td></th></td> | LOCATION         AREA SERVED         TOTAL<br>ARFLOW<br>(CFM)         RETURN<br>ARFLOW<br>(CFM)         RETURN<br>ARFLOW<br>(CFM)         RETURN<br>AURPLY<br>(CFM)         RETURN<br>AURPLY<br>(CFM)         SUPPLY<br>AURPLY<br>AURPLY<br>(CFM)         TSP/ESP<br>(N WC)         HP<br>(EACH)         EXHAUST<br>AURDEX<br>(CFM)         FAN<br>(CFM)         TSP/ESP<br>(N WC)         HP<br>(CACH)         AURUST<br>AURDEX<br>(CFM)         TSP/ESP<br>(N WC)         HP<br>(CACH)         AURUST<br>AURUST         FAN<br>(CFM)         TSP/ESP<br>(N WC)         HP<br>(CACH)         CHAUST<br>AURY<br>(CFM)         FAN<br>(CFM)         TSP/ESP<br>(N WC)         HP<br>(CACH)         HP<br>(N WC)         CHAUST<br>AURY<br>(CFM)         TSP/ESP<br>(N WC)         HP<br>(CACH)         HP<br>(CACH)         CHAUST<br>AURY<br>(CFM)         TSP/ESP<br>(N WC)         HP<br>(CACH)         CHAUST<br>AURY<br>(CFM)         TSP/ESP<br>(N WC)         HP<br>(CACH)         CHAUST<br>AURY<br>(CFM)         TSP/ESP<br>(N WC)         HP<br>(CACH)         CHAUST<br>AURY<br>(CFM)         TSP/ESP<br>(CACH)         HP<br>(CACH)         CHAUST<br>AURY<br>(CFM)         TSP/ESP<br>(CACH)         TSP/ESP<br>(CACH) <thtsp esp<br="">(CACH)         <thtsp esp<br="">(CACH)     &lt;</thtsp></thtsp> | ICR C SUPER | ICC ATION         AREA SERVED         TOTAL AREA DRIVE | ICLASSROOM         CLASSROOM         230         230         1         1         CLASSROOM         230         230         1         C         FAN SUPPLY         FAN SUPLY         FAN SUPLY         FAN SUPLY         FAN SUPLY | INTRODUCTION AREA SERVED         AREA SERVED         FAINE SUPLY FAIN         FAINE SUPLY FAIN         ELHAUST FAIN         ELHAUST FAIN         FLICT COLLECTION #           1112 MP<br>STORAGE         GYMINASIUM         625         626         632         1         5.000         FLICT COLLECTION #           1112 MP<br>STORAGE         GYMINASIUM         625         632         1         5.000         628         1         6.010         6.050         628         1         6.010         6.050         6.011 <th colspa="&lt;/td"><td>LOCATION         AREA SERVED         TOTAL<br/>(CFM)         RETURN<br/>(CFM)         RETURN<br/>(CFM)         TSP(ESP)<br/>(CFM)         TSP(ESP)<br/>(N,WC)         CHAUST<br/>(REACH)         STORE<br/>CRAUST<br/>(CFM)         RETURN<br/>(CFM)         RETURN<br/>(CFM)         SUPPLY FAN         EXHAUST<br/>(REACH)         STORE<br/>CRAUST<br/>(CFM)         RETURN<br/>(CFM)         Mach         Mach</td><td>Incrementation         AREA SERVED         TOTAL<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>France<br/>(CFM)         TSPESP<br/>(NWC)         REXHAUST<br/>(REAC)         TSPESP<br/>(NWC)         Fan<br/>(REC)         TSPESP<br/>(NWC)         Fan<br/>(REC)         TSPESP<br/>(NWC)         RETURN<br/>(REC)         Noch         Noch         Noch         Noch         Noch         Noch         STANDBY<br/>(V/N)           112 MP<br/>(TSPAACE         GYMNASIUM         625         625         632         1         5         0.50         625         1         4         0.50         208/1         3.1         3.5         15         Y         Y           112 MP<br/>(TASSROOM         CLASSROOM         230         230         1         .5         0.50         625         1         .4         0.50         208/1         3.1         3.5         15         Y         Y           109<br/>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4         0.11         120/1         2.5         15         15         Y         Y           112<br/>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230</td><td>AREA SERVED         AREA SERVED</td><td>Location         Area served         Total life (of M)         Return (of M)         Fan (of M)         Signal (of M)</td><td>Image: here in the series of the se</td><td>NAREA SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVER           11222         Colspan= Server Weight Server Weigh</td><td>Image: proper proper</td></th> | <td>LOCATION         AREA SERVED         TOTAL<br/>(CFM)         RETURN<br/>(CFM)         RETURN<br/>(CFM)         TSP(ESP)<br/>(CFM)         TSP(ESP)<br/>(N,WC)         CHAUST<br/>(REACH)         STORE<br/>CRAUST<br/>(CFM)         RETURN<br/>(CFM)         RETURN<br/>(CFM)         SUPPLY FAN         EXHAUST<br/>(REACH)         STORE<br/>CRAUST<br/>(CFM)         RETURN<br/>(CFM)         Mach         Mach</td> <td>Incrementation         AREA SERVED         TOTAL<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>AIRFLOW<br/>(CFM)         RETURN<br/>France<br/>(CFM)         TSPESP<br/>(NWC)         REXHAUST<br/>(REAC)         TSPESP<br/>(NWC)         Fan<br/>(REC)         TSPESP<br/>(NWC)         Fan<br/>(REC)         TSPESP<br/>(NWC)         RETURN<br/>(REC)         Noch         Noch         Noch         Noch         Noch         Noch         STANDBY<br/>(V/N)           112 MP<br/>(TSPAACE         GYMNASIUM         625         625         632         1         5         0.50         625         1         4         0.50         208/1         3.1         3.5         15         Y         Y           112 MP<br/>(TASSROOM         CLASSROOM         230         230         1         .5         0.50         625         1         .4         0.50         208/1         3.1         3.5         15         Y         Y           109<br/>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4         0.11         120/1         2.5         15         15         Y         Y           112<br/>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230</td> <td>AREA SERVED         AREA SERVED</td> <td>Location         Area served         Total life (of M)         Return (of M)         Fan (of M)         Signal (of M)</td> <td>Image: here in the series of the se</td> <td>NAREA SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVER           11222         Colspan= Server Weight Server Weigh</td> <td>Image: proper proper</td> | LOCATION         AREA SERVED         TOTAL<br>(CFM)         RETURN<br>(CFM)         RETURN<br>(CFM)         TSP(ESP)<br>(CFM)         TSP(ESP)<br>(N,WC)         CHAUST<br>(REACH)         STORE<br>CRAUST<br>(CFM)         RETURN<br>(CFM)         RETURN<br>(CFM)         SUPPLY FAN         EXHAUST<br>(REACH)         STORE<br>CRAUST<br>(CFM)         RETURN<br>(CFM)         Mach         Mach | Incrementation         AREA SERVED         TOTAL<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         RETURN<br>AIRFLOW<br>(CFM)         RETURN<br>France<br>(CFM)         TSPESP<br>(NWC)         REXHAUST<br>(REAC)         TSPESP<br>(NWC)         Fan<br>(REC)         TSPESP<br>(NWC)         Fan<br>(REC)         TSPESP<br>(NWC)         RETURN<br>(REC)         Noch         Noch         Noch         Noch         Noch         Noch         STANDBY<br>(V/N)           112 MP<br>(TSPAACE         GYMNASIUM         625         625         632         1         5         0.50         625         1         4         0.50         208/1         3.1         3.5         15         Y         Y           112 MP<br>(TASSROOM         CLASSROOM         230         230         1         .5         0.50         625         1         .4         0.50         208/1         3.1         3.5         15         Y         Y           109<br>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230         1         .4         0.11         120/1         2.5         15         15         Y         Y           112<br>(LASSROOM         CLASSROOM         230         230         1         .5         0.11         230 | AREA SERVED         AREA SERVED | Location         Area served         Total life (of M)         Return (of M)         Fan (of M)         Signal (of M) | Image: here in the series of the se | NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         NAREA SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVE         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVE/SERVER         SERVER WEIGHT SERVER           11222         Colspan= Server Weight Server Weigh | Image: proper |

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2. PROVIDE SINGLE POINT POWER CONNECTION FOR ALL COMPONENTS AND ADDITIONAL SINGLE POINT POWER CONNECTION FOR LIGHTING CIRCUIT. 3. PROVIDE DOUBLE-WALL INSULATED (R-13 MIN.) CONSTRUCTION AND HINGED ACCESS DOORS.

4. PROVIDE WITH MANUFACTURER'S STANDARD CONTROLLER AND DUCT MOUNTED CO2 SENSOR.

		VF	RF HEAT R	ECOVER	Y BRAN	CH CIRC	UIT CON	٦
TAG	SERVES	MANUFACTURER	MODEL NUMBER	TYPE (DOUBLE / MAIN / SUB)	# OF PORTS	CONNECTED CAPACITY	VOTAGE/PHASE	
BC-1	OFFICE / LIBRARY	TRANE/MITSUBISHI	TCMBM1012JA11N4	MAIN	12	108,000.0	208/230V/1Ø	_
NOTES:								

1 INCLUDE DIAMONDBACK BALL VALVES BV-SERIES, 700PSIG WORKING PRESSURE, FULL PORT, 410A RATED.

<sup>2</sup> FOR SUB BC CONTROLLER CMB-P-NU-GB1 OR -GB, THE TOTAL CONNECTABLE INDOOR UNIT CAPACITY CAN BE 126,000 BTUS OR LESS. IF TWO SUB BC CONTROLLERS ARE USED, THE TOTAL INDOOR UNIT CAPACITY CONNECTED TO BOTH SUB BC CONTROLLERS ALSO CANNOT EXCEED 126,000 BTUS. FOR SUB BC CONTROLLER CMB-P1016NU-HB1 THE TOTAL CONNECTABLE INDOOR UNIT CAPACITY CAN BE 126,000 BTUS OR LESS. HOWEVER, IF TWO SUB CONTROLLERS ARE USED, AND ONE OF THEM IS CMB-1016NU-HB1, THE TOTAL INDOOR UNIT CAPACITY CONNECTED TO BOTH SUB CONTROLLERS ARE USED, AND ONE OF THEM IS CMB-1016NU-HB1, THE TOTAL INDOOR UNIT CAPACITY CONNECTED TO BOTH SUB CONTROLLERS ARE USED, AND ONE OF THEM IS CMB-1016NU-HB1, THE TOTAL INDOOR UNIT CAPACITY CONNECTED TO BOTH SUB CONTROLLERS MUST NOT EXCEED 168,000 BTUS.

<sup>3</sup> PROVIDE WITH ACCESSORY BALL VALVES TO ALL PORTS ON BRANCH CONTROLLER.

		EI	LECTRIC			IEATE	R SCI	HED	ULE					
TAG	MANUEACTURED	MODEL	TYPE	0514	DTIUL	ELECTRICAL								
TAG	MANUFACIURER	MODEL	ITPE	CFM	BIOH	VOLTAGE	PHASE	FLA	ĸw	МСА	МОСР			
EUH-1	QMARK	CUS93505483FFW	CEILING	250	17060	480	3	6	5	10	15			

NOTES:

1. COLOR/FINISH TO BE DETERMINED BY THE CLIENT.

2. DISCONNECT BY ELECTRICAL CONTRACTOR.

3. PROVIDE WITH WALL RECESS TRIM KIT.

4. UNIT HEATERS TO BE MOUNTED AT A MAXIMUM OF 10' AFF.

	RE	GISTE	R, DIFF	USER	& GR		HEDULE		$\left  \right\rangle$	H
TAG	MAX CFM	NECK SIZE	ТҮРЕ	DELTA - P	MAX NC	THROW (FT)	MFG AND MODEL NO.	NOTES		TAG
S-1	625	18"x12"	SIDEWALL	0.016	-	10-15-23	PRICE 600	2, 4, 5	2	FT-1
S-2	230	8"Ø	CEILING (SUSPENDED)	<0.007	<20	4-10-17	METALAIRE 9000	4, 5, 6, 7		NOTES
S-3	50	6"Ø	CEILING	0.001	<20	1-2-6	METALAIRE 9000	2, 4, 6, 8		
S-4	150	24"x4"	SIDEWALL	0.006	-	7-12-24	PRICE 600	2, 4, 5	$\lambda$	
R-1	80	6"Ø	CEILING	0.029	-	-	METALAIRE 5700	2, 4, 5, 6		
GH-1	460	14"x14"	ROOFTOP	<0.024	-	-	GREENHECK FGR	4, 5, 9		
W-1	230	8"Ø	EXTERNAL WALL	0.010	-	-	GREENHECK WC-8	4, 5		

**KEYED NOTES:** 

1 PROVIDE WITH OPTIONAL SDFA FRAMES, CORDINATE SPIRAL DUCT DIAMETER WITH PLANS. 2 PROVIDE WITH OPTIONAL VCS3 OPPOSED BLADE DAMPERS.

3 PROVIDE WITH OPTIONAL POB.

4 ALUMINUM CONSTRUCTION.

5 COLOR/FINISH TO BE DETERMINED BY OWNER.

6 PROVIDE WITH MELTALAIRE TR DUCT TRANSITIONS 7 14x14 INCH FACE

8 8x8 INCH FACE

7

9 FIELD VERIFY EXISTING CURB DIMENSIONS BEFORE ORDERING

LOUVER SCHEDULE													
TAG	LOCATION	SERVICE	FREE AREA (FT^2)	CFM	SP (IN WG)	SIZE WxH (IN)	TYPICAL UNIT MFG. & MODEL	NOTES					
L-1	MP STORAGE	INTAKE	1.11	625	0.047	20x20	GREENHECK ESD-635	1					
L-2	LIBRARY	INTAKE	0.57	380	0.066	16x16	GREENHECK ESD-635	1					
NOTES		IMINUM BIRD S	CREEN				1						

6

5	1	4	1

# ERV SCHEDIII E

### TROLLER POWER POWER COOLING 208V HEATING 208V MCA 208 NOTES (kW) (kW) 0.198 0.106 1.19 ALL

	ELECTRIC DUCT COIL SCHEDULE														
					AIR	DATA			ELECTRICAL DATA	MFG	TYPICAL				
TAG	LOCATION	ROWS	CFM	МВН	ĸw	EAT/LAT (°F)	MAX FACE VELOCITY (FPM)	MAX APD (IN WC)	VOLTS/Ø	SIZE HxL (IN.)	UNIT MFG & MODEL NO.	NOTES:			
EDC-1	GYM	1	625	17.06	5	40/65	700	0.01	208/1	8x18	INDEECO QUA	1			
EDC-2	CLASSROOMS	1	270	10.25	3	40/75	773.5	0.01	208/1	8"Ø	RENEWAIRE RH RHD3240-8	1			
EDC-3	LIBRARY	1	380	10.25	3	40/65	420	<0.01	208/1	12x12	INDEECO QUA	1			

NOTES: 1. PROVIDE WITH INTEGRAL CONTROLLER WITH SCR CONTROLS.

			HYDRONIC KICKSPACE HEATER SCHEDULE													
					HOT WATER UNIT ELECTRICAL											
DIMENSIONS H X W X D	NOTES:	TAG	LOCATION	CFM	МВН	GPM	EWT/LWT (°F)	MAX WPD (FT. HD)	PIPING RUNOUT SIZE (IN.)	VOLTAGE	PHASE	FLA	МСА	МОСР	TYPICAL UNIT MFG & MODEL NO.	NOTES:
26 3/8" x 35" x 9 7/8"	1,2,3	KH-1	119 BREAKROOM	103	8460	1	180/160	0.22	3/4	120	1	0.5	0.75	15	BEACON MORRIS K-84	ALL
		NOTES:	OTES: 1. INFORMATION GIVEN FOR WHEN HEATER IS OPPERATING IN "HIGH" MODE. 2. GRILL COLOR TO BE DETERMINED BY OWNER													

3. PROVIDE WITH MANUFACTURER'S AQUASTAT.

4



5

3

2



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D

В