

735 Anderson Hill Road Purchase, NY 10577-1402 www.purchase.edu

Procurement Department RFQ: Study of Music & PAC HVAC Mechanical System Project SU-120720 Addendum #1 * December 21, 2020

To: Prospective Bidders

No. of Pages: 8 pages

SUNY Purchase hereby issues this Addendum, dated 12/18/2020, for the above referenced RFQ, in order to provide the following clarification:

Item 1:

SUNY Purchase received questions at the pre-bid meeting and via email. Answers with additional clarification is provided on pages 2-8.

Please be sure to sign THIS ADDENDUM (as acknowledgment that your firm received it) and submit it with your bid package.

Respectfully,

Elizabeth Pleva Interim Director of Procurement and Accounts Payable

Acknowledgement of ADDENDUM #1

Signature

Date

Typed printed name and title

Company name

Think Wide Open



Addendum #01

Study of Music & PAC Building Mechanical System SU-120720

dated December 21, 2020

Proposal Due Date January 19, 2021 at 2:00PM

Submit Proposals to: State University of New York Purchase College 730 Anderson Hill Road Campus Center South 3rd Floor Purchase, New York 10577 Elizabeth Pleva Interim Director, Procurement and Accounts Payable

Purchase College Project #SU-120720 Study of Music & PAC Buildings Mechanical Systems

Addendum #01 – RFQ Bidder's Questions & Answers

Q1. We are interested in bidding on your project and are requesting a copy of the bid documents. Please inform how we can receive a copy of the bid documents.

A1. You can find the requested documents at: <u>https://www.purchase.edu/offices/purchasing/procurement-opportunities/</u>

Please note, there is a virtual pre-bid meeting scheduled for Tuesday, December 15th at 1:00 PM.

- Q2. With regards to the assigned goals of M-WBE / SDVOB participation, and given the limited nature of this task, do all the goals of 30% and 6% have to be strictly met during to the study phase of the project, or can meeting the goals take place over the course of the complete project including the construction phase?
- A2. Vendors should act in good faith to attempt to meet the assigned goals. If the solicited does not lend allow for the utilize of MWBEs, vendors may request a waiver if their proposal is ultimately chosen. The construction phase of the project will have its own unique goals assigned.
- Q3. Out of the three forms listed below, are all three forms required or is only Form 7555-15: Subconsultant Staffing List—Architecture and Engineering, required at this time?
 - 1) Form 7555-15: Subconsultant Staffing List—Architecture and Engineering
 - 2) Form 7555-16: Subconsultant Staffing List—Construction Management
 - 3) Form 7555-17: Subconsultant Staffing List--Commissioning

A3. Only Form 7555-15: Architecture and Engineering is required.

- Q4. Will the selected consultant serve only during the study, or will the selected consultant also serve during the construction phase?
- A4. The study (which is this RFQ) will include both short-term solutions and long-term recommendations. As this portion of the work will include developing and implementing the short-term solutions, you'll be involved in that construction. The long-term recommendations will be used as a basis to develop a larger project (or maybe phased projects) that will be administered either through the college or the State Construction Fund. That will require us to go out through the RFQ process again for design services as it's viewed as a separate project.
- Q5. To what degree will this initial effort to develop short-term fixes be part of the effort to develop a "larger long-term project?"
- A5. It would be nice if the short-term fixes could be incorporated into the longterm recommendations (so as not to waste money), however, that will really depend upon what eth long-term recommendations are.

Addendum #01 – RFQ Bidder's Questions & Answers

Q6. With regards to the moisture problems in both buildings, is the problem year-round or just during the summer months?

A6. We are having this issue during the summer months.

- Q7. Does the short-term work require the awarded firm to hire a hazmat design consultant?
- A7. Given we've run into hazardous materials on past projects in both of these buildings, I'd recommend showing a hazmat consultant as part of your design team in your RFQ response. If for some reason you are not allowed to carry a hazmat sub-consultant under your contract, please indicate so in your proposal. This will not be held against you in our review of your RFQ. We've handled it as a sub-contractor under the design team and we also had the hazmat consultant as a separate contract that the College holds who closely coordinates with the rest of the design team.
- Q8. Is there site access allowed before the submissions are due in January?
- A8. Under normal conditions, I'd say yes. Given the Covid-19 environment, we can try and accommodate access if you feel this is critical to your proposal but can't guarantee it as a number of my staff are working remotely. You can send me an e-mail and I'll try and accommodate your request. You'll also need to fill out some documentation on protocols that need to be followed, prior to arriving on campus.
- Q9. Are their service logs or an equipment schedule for the buildings that could be shared?
- A9. We can share work order logs with the awarded design firm. We also have some original design drawings (can't verify if these are as-builts) that I will attach to the Addendum for your reference.
- Q10. Can you please confirm if questions are due tomorrow and at what time?
- A10. The open question period closes tomorrow (12/17) at the end of the day (11:59PM).
- Q11. Once a qualified agent is selected will that agent have opportunity to ask further questions for pricing such as the ability to conduct surveys during normal business hours, access to elevated areas, etc.
- A11. Yes. At this point, we're looking just at qualifications, not price. One we determine the best qualified, they'll be a whole round of discussions and questions in developing costs for these design services.
- Q12. Will such agent have the opportunity to recommend additional more in-depth testing after their initial surveys such as electronic leak detection testing, blower

Addendum #01 – RFQ Bidder's Questions & Answers

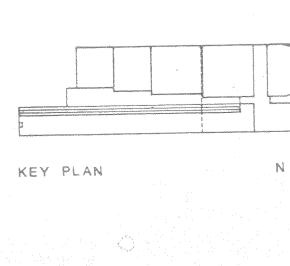
door testing, nuclear testing, etc., either performed directly within house, added as a sub, or as a separate survey hired directly by SUNY Purchase?

- A12. For the awarded design firm, if you feel some specialized testing would be required to help determine the source(s) of our problems, and those type of tests aren't included in your design services proposal, then I'd recommend listing them under your services exclusions. If during the study process, you feel that certain testing is required, outside of your services, we can review that and determine if it would be best for your firm to be the lead (for additional compensation) or if the College will hire a third-party firm directly to perform the testing.
- Q13. Three months for the study including biding documents for the short-term solution seems tight.
- A13. We're hoping the short-term fixes aren't too complex and can be completed fairly quickly. However, given that we don't know what the study will uncover and what the final recommendations will be, we realize the schedule may need to be adjusted as the study evolves. If you feel any of the allotted timeframe may be too aggressive, or too conservative, please comment and reflect this in your response to the RFQ.

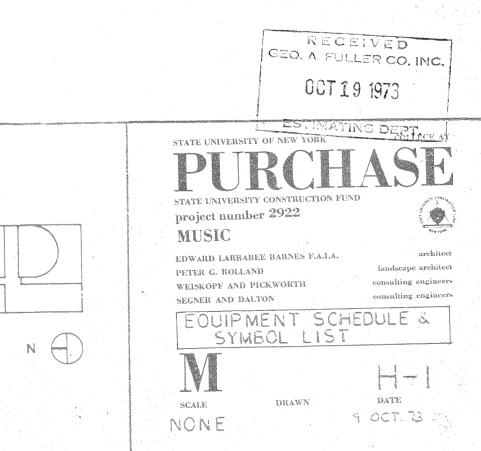
AIR HANDLING UNIT SCHEDULE	DUCT REHEATER SCHEDULE CONT. RH ZM1 I H-8 46.8 1170 56 95° .090 3 165° .42 2.4 10 2'0" 1 2 MM			IBOL LIST
FACE & PVPASS HUMIDI- ENTER MIN CS REMARKS	RH-1-2 2 H-7 66.5 2540 58° 82° .087 10.0 165° .75 5.0 15 $3^{1}0^{11}$ 1 1 CH		HTWE HIGH TEMPERATURE WATER ELOW	90° DEG. BLANK OFF ON CD
UNIT SERVICE LOCATION TYPE FAN <u>COIL NO.</u> BYPASS HOATDT- FILLER HIR CS RELATED NO. FHC CC HC DAMPERS FIER 0.A.%	RH-2-2 2 H-7 91.0 2350 58° 88° .087 10.0 165° .77 5.9 15 3°6 ¹⁴ 1 1 CH RH-3-2 2 H-7 66.0 1800 58° 92° .087 7.5 165° .75 4.0 12 3°0 ¹⁴ 1 1 CH		LTWF LOW TEMPERATURE WATER FLOW	FLEXIBLE DUCT CONNECTION
AC-1 SOUTH PRACT. ETC. H-2 M.Z. S-1 PHC-1 CC-1 HC-1 PHC-1 H-1 F-1 20% P FIELD ERECTED UNIT	RH-4-2 2 $H-6$ 66.0 1800 58° 92° .087 7.5 165° .75 4.0 12 3 ¹ 0 ¹¹ 1 1 CH		LTWR LOW TEMPERATURE WATER RETURN CHELLED WATER FLOW	SPLITTER DAMPER
AC-2 REHEARSAL HALLS H-3 D.T. S-2 PHC-2 CC-2 F-2 20% Q FIELD ERECTED UNIT AC-3 WORTH PRACT. ETC. H-4 M.Z. S-3 PHC-3 CC-3 HC-2 PHC-3 H-14 i-3 20% P FIELD ERECTED UNIT	$RH-5-2$ 2 $H-9$ 3.5 1700 58° 90° .075 7.5 165° .75 4.0 12 3'o" 1 CH $RH-5-2$ 2 $H-9$ 3.5 1700 58° 90° .075 7.5 165° .75 4.0 12 3'o" 1 1 CH		CHF CHILLED WATER FLOW CHR CHILLED WATER RETURN	ACOUSTICALLY LINED DUCT BETWEEN SYMBOLS OR FROM SYMBOL TO RECISTER, GRILLE OR DIFFUSER
AC-3 SEORTH PRACE, ELC. N-4 N.2. 3-9 THE 9 CO 9 HOLE THE P	RH-6-2 2 H-9 11.0 900 58° 260° 1.2 165° 56° 2.5 8 $2^{\circ}6^{\circ}$ 1 MP RH-7-2 2 H-9 211.2 8910 58° 80° 117 15.0 165° $.88$ 16.5 24 $6^{\circ}0^{\circ1}$ 1 0		LPS LOW PRESSURE STEAM (Q-15 PSIG)	VOLUME EXTRACTOR
NOTES: ALL COMPONENTS ARE FIELD ASSEMBLED. TYPE: D.TDRAW-THRU, M.ZMULTI-ZONE.	RH-8-2 2 H-9 150.0 5715 58° 82° .117 11.25 165° .84 10.3 18 5 ¹ 0" 1 1 CH		V VENT TO ATMOSPHERE	SLD SELF-ACTING LOUVER DAMPER (COUNTER VEIGHTED & BALANCED)
BYPASS DAMPER AROUND THE COIL INDICATED.	$RH-9-2$ 2 $H-8$ 29.0 1200 58° 80° .087 7.5 165° .71. 2.6 12 2 ¹ 0 ¹¹ 1 1 CH		D DRAIN LINE PD PIPE TO & SPILL OVER NEAREST FLOOR DRAIN	ALD AUTOMATIC LOUVER DAMPER (MOTOR OPERATED)
SEE ALSO FAN, COIL, HUMIDIFIER AND FILTER SCHEDULES.	RH-10-2 2 H-8 193.0 7500 58° 82° .117 13.75 165° .86 13.2 21 6'6' 1 1 CH RH-11-2 2 H-6 70.0 58° 107° .153 15.0 165° .86 13.2 21 6'6' 1 1 CH RH-11-2 2 H-6 70.0 2000 58° 107° .153 15.0 165° .75 4.0 12 3'-0" 2 1 CH RH-11446-2 2 H-6+8 38.0 1000 58° 88° .087 12 165° .27 2.6 8 2'-6" 1 2 MF ALTER.F A-7		CW COLD WATER MAKE-UP	VD VOLUME DAMPER FLD FUSIBLE LINK FIRE DAMPER W/ ALCUSS DOOR
FAN SCHEDULE	RH-12-2 2 H-7 17.6 650 58° 97° .150 1.8 165° .21 1.4 6 2'0" 2 2 MP		A COMPRESSED AIR DIRECTION OF FLOW	SD SMOKE DAMPER
FAN SERVICE OR LOC TOTAL O.V. FAN STAND. MODEL MOTOR C.S. NOTES	RH-13-2 2 H-8 59.0 1820 58° 88° .087 7.5 165° .73 3.3 12 2 [±] 6 ¹ 1 1 CH		PITCH PIPE UP IN DIRECTION OF ARROW	OAI OUTSIDE AIR INTAKE
NO. A.C.UNIT NO. SEE CFM S.P. FPM RPM BHP DRIVE TYPE MFR. NO. H.P. DWG.	RH-14-2 2 H-8 150.0 5700 58° 82° .258 15.0 165° .88 8.2 12 6*0'' 2 1 CH RH-15-2 2 H-7 36.9 180 58° 77° .117 0.6 165° .04 0.5 4 1*0'' 1 MP		CATE VALVE	AD ACCESS DOOR
S-1 AC-1 H-4 47,000 4 2300 815 39.2 B C AAF, 445 50 P S-2 AC-2 H-3 50,500 4 2000 543 38.7 B C AAF 660 50 Q SEFUCTE(2)	RH-16-2 2 H-7 5.0 425 58° 80° .087 .90 165° 16 .90 6 1-3" : 1 MP		GLOBE VALVE	CR, CG CEILING REGISTER, GRILLE BR, BG BOTTOM REGISTER, GRILLE
S-3 AC-3 H-3 50,500 4 2000 543 38.7 B C AAF 660 50 Q DBA C DE C	RH-1-3 3 H-7 126.5 3600 58° 90.5° .087 10 ¹ 165° .79 6.8 15 4 ¹ 0 ¹¹ 1 1 CH. RH-2-3 3 H-7 37.6 1055 58° 91° .087 2.4 165° .23 1.9 8 2 ¹ 0 ¹¹ 1 2 MP		FLS FLOW SWITCH	TR, TG TOP REGISTER, GRILLE
S-4 SWITCHGEAR RM. H-4 2,500 1/2 - 690 B C ILG CTB-33 3 5	RH-3-3 3' H-7 21 670 580 87° .087 2.4 165° .17 1.2 8 1311 1 2 MP		AUTOMATIC VALVE - 2 WAY	FR, FG FLOOR REGISTER, GRILLE
R-1 AC-1 H-4 43.615 2 1700 418 17.5 B C AAF 660 25 P	RH-4-3 3 H-7 6.1 1900 580 61° .151 1.5 165° 1.07 2.9 10 2 ¹ 6 ¹¹ 1 1. MP		AUTOMATIC VALVE - 3 WAY	LOUVER DOOR ONE SQUARE FOOT GROSS AREA (50% FREE AREA)
R-2 AC-2 H-3 48,300 2 1950 450 21.0 B C AAF 660 25 Q SES WOTE (2)	RH-5-3 3 H-7 10.2 890 580 680 .087 1.2 1650 .48 1.9 8 2³ GH 1 1 MP RH-6-3 3 H-7 10.2 840 580 680 .087 1.2 1650 .48 1.9 8 2³ GH 1 1 MP		STLENT CHECK VALVE	P-1 PUMP NO. 1
R-3 AC-3 H-4 49,880 2 1800 430 18.9 B C AAF 680 25 P E-1 TOILETSETRASH RM_ H-11 1,200 3/4 890 B R SWARTOUT 316FCB 1/3 M	RH-6-3 3 H-7 10.2 840 580 680 .087 1.2 1650 .48 1.9 0 2404 1 1 1 11 RH-7-3 3 H-4 17.2 800 80° 100° .087 2.4 165° .21 1.6 8 149" 1 2 MP		L.D. C-1500 LINEAR DIFFUSER, TITUS C-1500	AC-1 AIR CONDITIONING UNIT NO. 1
E-2 TOILETS & SHOWERS H-8 350 3/8 - 1140 .05 D W SWARTOUT 110 HA 1/12 M	RH8-3 3 H-9 263 1220 58° 78° .117 2.4 165° .23 1.9 5 2.0 1 2 MP		COMBINATION BALANCE & SHUT-OFF VALVE (SEE SPEC.)	H-1 HUMIDIFIER NO. 1
E-3 TOILETS & KIT. H-11 1,850 1/2 1110 B R SWARTOUT 414FCB 1/2 M	RH 9-3 3 H-10 263 1220 58° 78° -117 24 145° -23 1.9 8 2-0" 1 2 MP		STRAINER WITH BLOW-OFF VALVE PIPED TO NEAREST	R-1 RETURN FAN NO. 1 E-1 EXHAUST FAN NO. 1
E-4 PROJECTION RM. H-8 270 1/4 1550.03 D W SWARTOUT 27 HA 1/25 M E-5 FAN RM. H-4 12,000 1/2 1110 - B P BUFFALO 301-53 3 M.5	RH10-3 3 H-11 271 1320 58° 77° .117 3.0 165° 42 2.3 10 2'-0' 1 2 MP RH11-3 3 H-11 15.1 700 58° 78° .117 1.8 165' .08 1.1 6 1'-6' 1 2 MP		GAUGE COCK	UH-1 UNIT HEATER NO. 1
5.5 STAIR # 1 H-11 36.000 3/8 - 1100 9.5 D R SWARTOUT 4821-3 10 V ALTERNATE # 27	MP		PRESSURE GAUGE WITH COCK	PHC-1 PREHEAT COIL NO. T
NOTES: (1) SEE SPEC. FOR CLASS, ARRANGEMENT, MOTOR DATA, ETC. SEE DWGS. FOR RUTATION, DISCHARGE POSITION, ODT 2010F0318 MOTOR POSITION, APPROXIMATE DIMENSIONS, ETC S.PINCHES W.G., O.VOUTLET VELOCITY, D-DIRECT, WITH & HIGH B-BELT, C-CENTRIFUGAL, R-ROOF, W-WALL P-PROPELLER.			CAPPED END OF PIPE	RH1-1 REHEAT COLL NO. 1 OF SYSTEM AC-1
B-BELT, C-CENTRIFUGAL, R-ROOF, W-WALL P-PROPELLER. (2) PORVIDE VARIABLE INLET VANDES E 2-SPEED 2 WINDING MOTORY MOTORIZED DAMPER	TW-LTW HEAT EXCHANGER SCHEDULE (YULA AS STANDARD)		FLANGED END OF PIPE OR CONNECTION TO EQUIPIT.	CC-1 COOLING COIL NO. 1 FWCP-1 FACTORY WIRED CONTROL PANEL NO. 1
FILTER SCHEDULE (AMERICAN AIR FILTER AS STANDARD)	TUBE SIDE SHELL SIDE WORKING HTG, SURF. MODEL		RELIEF VALVE PIPED TO NEAREST DRAIN	FLOW METERING VENTURI
FILTER	WORKTING WORKTING WORKTING WORKTING CS NO. MBH EWT ^o F. LWT ^o F. GPM PD(Ft)PRESSURE EWT ^o F. LWT ^o F. GPM PD(ft) PRESSURE SQ. FT. NO. CS NO. MBH EWT ^o F. LWT ^o F. GPM PD(ft)PRESSURE EWT ^o F. LWT ^o F. GPM PD(ft) PRESSURE SQ. FT. NO. CS HX-1 8200 390 240 120 3.0 500 132 165 500 5.0 125 101 HCV-4F-488 C		MANUAL AIR VENT WITH COCK	WMS WIRE MESH SCREEN
NO. SERVICE CFM MODEL H.P ARR TYPE CS	HX-1 8200 390 240 120 2.0 -		→ THERMOMETER THERMOMETER WELL >	AUTOMATIC AIR VENT WITH COCK: PIPED TO NEAREST DRAIN
F-1 AC-1 47,000 10V120 1/10 SA ROLL-O-PAK	HUMIDIFIER SCHEDULE (ARMSTRONG AS STANDARD)		VACUUM BREAKER	4 TO M.O. 4 SQUARE FOOT MASONRY OPENING BY G.C.
F-2 AC-2 50,500 10V120 1/10 SA ROLL-0-PAK L F-3 AC-3 54,720 10V120 1/10 SA ROLL-0-PAK L	A.C. UNIT TOTAL STEAM MODEL NO. ORIFICE SIZE		DRIP RIG	PFP PREFABRICATED PANEL (SEE SPEC.)
F-3 AC-3 54.720 10V120 1/10 SA RULL-0-PAK L	NO. Nº LB/HR. INCHES CS AREA SERVED		MOTOR	6.20.20.19 G'DEEP, 20" HIGH, 20" WIDTH, CAP. 1.9 MEH - CONVERTOR
CENTRAL COLL SCHEDULE (AEROFIN AS STANDARD)	H-1 AC-1 515 AMR-34D-M 1-1/4 P CENTRAL UNIT H-2 AC-1 65 AMR-32D-M 11/32 P COLLEGIUM MUSIC		M MOTOR SUPPLY DUCT, UP, DN.	ALUM INUM DUCT
AIR DATA WATER UNITA COTE DATA COTE DATA COTE DATA	H_{-2} H_{-2} AC_{-1} C_{-2} AC_{-1} C_{-2} AC_{-1} C_{-2}		RETURN OR EXHAUST DUCT UP, DN.	WTR TREATMENT RIG
NO, NO. DB/WB DB/WB IN. WL. PP PI. SQ.FT. THE LENGTH P PF PF TOTAL	H-4 AC-1 20 AMR-32D-M 3/16 P INSTRUMENT REPLIE		SET DUCT (8" HORIZ, DIM, X 6" VERT. DIM.)	LFG LINEAR FLOOR GRILLE
PHC-1 AC-1 1880 47,000 2 37 -15 120 165 6.2 66 24 63-031 CH 1 HALF 2 2	H-5 AC-2 140 AMR-33D-M 5/8 O CHORAL RM.		CD SET DUCT UP IN DIRECTION OF ARROW	LINEAR WALL GRILLE
PHC-2 AC-2 1960 50,500 2 37 .15 81 165 5.7 70 21 91-611 CH 1 HALF 3 1	H-6 AC-2 30 AMR-32D-M 1/4 Q RECITAL STAGE H-7 AC-2 180 AMR-33D-M 5/8 Q RECITAL HALL		TD LESUSTICALLY LINGE TRANSFER DUCT	SA1 SOUND ATTENUATOR NO. 1
PHC-3 AC-3 2140 54,720. 2 37 .15 111 165 10-8 73 21 10"-0" CH 1 HALF 3 1	H-7 AC-2 100 AMR-31D-M 1/16 P RARE IUST. STORASE		2W (3W) 2 WAY OR 3 WAY CO BLOW	COR CONDENSATE DRAIN
CC-1 AC-1 1800 47,000 82.5/67 57/55 1.1 260 44 24.0 74 21 10 ¹ -0 ¹¹ C 6 FULL 3 1 CC-2 AC-2 2060 50,500 80.5/65.7 58/54 .8 290 44 21.0 97 21 10 ¹ -0 ¹¹ C 6 FULL 4 1	H-9 AC-2 215 AMR-34D-M 3/4 Q OPERA REHEARSAL		12" × 12" CDD CEILING DIFFUSER W/ TITUS AG-35 DAMPER	DUCT WORK -SEE SPEC
CC-2 AC-2 2060 50,500 80.5/65.7 58/54 .8 290 44 21.0 97 21 10 ³ -0 ¹¹ C 6 FULL 4 1	H-10 AC-2 140 AMR-33D-M 1/2 Q ORCHESTRA REHEARSAL H-11 AC-2 65 AMR-32D-M 11/32 Q CHAMBER MUSIC			EAD EXHAUET AIR DIECHARGE
HC-1 AC-1 1070 33000 57 87 .37 80 165 5.6 41 18 10"-0" CH 2 FULL 2 1	H-11 AC-2 70 AMR-32D-M 11/32 Q WIND ENSEMBLE	UNIT HEATER SCHEDULE- · (MODINE AS STANDARD)		LECTRIC REHEAT COIL SCHEDULE (SEE PLANS FOR LOCATIONE)
- HC-2 AC-3 1210 37500 57 87 -37 102 165 5-8 47 21 101-0" CH 2 FULL 2	H-13 AC-2 5 AMR-31D-M 3/32 Q LARGE INST. STORAGE			
	H-14 AC-3 515 AMR-34D-M 1-1/4 P CENTRAL UNIT	UNIT AREA SERVED LOCATION MBH AIR WATER NO. SEE PLAN CTM DEG.F GPM P.	R TYPE MODEL ARR. MOTOR MOTOR CS HEATER NO. P.D. NO. HP RPM	NO, CONTROL WIDE HIGH KW VOLT PH STEPS VOLTS (IN.) (IN.)
DUCT REHEATER SCHEDULE - (WATER) (AEROFIN AS STANDARD)		NO. DEE FLAN ENT. F		
ALC DATA WATER DATA COIL DATA	NOTES: 1. 5 psig Steam Supply Pressure	UH-1 VEST. B-137 H-5 30.0 440 60 2.0 5.	TYPREAL ERH-A 5.0 C CR-4 08 1/25 1090 F FUR 2 ERH-B	.9 277 1 1 277 10 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
LOC. <u>AIR DATA</u> WATER DATA <u>COIL DATA</u> COIL SYSTEM SEE TOTAL ENT. LEAV. ENT. FACE TUBE NO. NO. DWG. MBH UFM TEMP. TEMP. P.D. GPM TEMP. P.D. SQ.FT. FACE LENGTH ROWS CIRCUIT TYPE NO. NO. DWG. MBH UFM TEMP. TEMP. P.D. GPM TEMP. P.T. SQ.FT. FACE LENGTH ROWS CIRCUIT TYPE AC- F 'F IN.WC. FFT.	2, LENGTH OF MANIFOLDS ARE TO BE PER MFR'S RECOMMENDATION AND AS APPROVED.	UH-2 VEST. & CORR. B-134 H-5 83.0 1420 60 5.0 3.	3.0 C C-16 08 1/4 1140 F FOR 2 ERH-C	.9 277 I I 277 18 8
No. No. No. Provide Hold Provide Hold Ac- Provide Hold Provide Hold Provide Hold RH-1-1 H-2 53.4 2200 58° 80° .087 10.0 165° .73 4.2 15 216''' 1 1 CH	3. MULTIPLE MANIFOLDS ARE TO BE PROVIDED PER MFR'S RECOMMENDATION AND AS APPROVED.	UII-3 VECT. C CORR. B-134 H-5 83.0 3530 60 12 1.	1.4 P V-810 - 1/4 1075 E FOR 2 ERH-D	.9 277 1 1 277 28 8
RH-1-1 1 H-2 53.4 2200 58 80 1087 10.0 165 1.73 4.2 15 2.0 1 1 61 RH-2-1 1 H-6 9.2 840 58 69 .087 1.2 165 .48 1.9 8 2 ³ 0 ¹¹ 1 MP	PUMP SCHEDULE		2.5 C CW-8 50 1/6 750 F ERH-E 4.0 C CW-3 50 1/30 1090 F NOTE: SEE	.9 277 1 1 277 30 8 E C S - R ON DWG, ME-R
RH-3-1 1 H-6 9.2 840 58° 69° :087 1.2 165° .48 1.9 8 2'0" 1 1 MP			4.0 C CW-3 50 1/30 1090 F NOTC-500 C 2.5 C CW-8 90 1/6 1140 F .25"SR	SOUND ATTENUATOR SCHEDULE (I.A.C. QUIET DUCT AS STANDARD)
RH-4-1 1 $H-6$ 9.0 600 58° 72° :087 0.9 165° .20 1.2 6 1'9" 1 1 MP	PUMP LOCATION TOTAL WATER OPERAT, NO, SERVICE SEE DWG, GPM HEAD TEMP, COND, BHP TYPE STANDARD MODEL MOTOR MOTOR C.S. NOTES (FEFT) (9E.) MFR. NO, HP, RPM	UH-7 VEST, P-50B H-8 44.0 610 60 4.0 2.	2.5 C CW-8 50 1/6 750 F	SUUND ATTENUATUR SUNEDULE (1. A. C.
$RH-5-1$ $R+6$ 6.3 7° 58° 66° $:087$ 0.9 165° $.21$ 1.4 6 $2^{4}0^{11}$ 1 MP $RH-6-1$ 1 $H-6$ 6.3 700 58° 66° $:087$ 0.9 165° $.21$ 1.4 6 $2^{1}0^{11}$ 1 MP	(FEET) (YF.) MER. NO. III. III	UH-8 VEST. P-50A H-8 48.0 610 60 6.0 5.	5.0 C CW-8 50 1/6 750 F	FACE OVERALL PD FAN AREA SIZE (IN) IN
$RH-7-1 \qquad H=6 24.5 \qquad 650 58^{\circ} \qquad 92^{\circ} \qquad .087 1.8 \qquad 165^{\circ} .10 \qquad 1.4 \qquad 6 \qquad 2^{4}0^{11} \qquad 1 \qquad MP$				MODEL NO. SQ.FT. H W L CFM W.C.
RH-8-1 1 H-6 14.7 6050 58° 80° .117 11.25 165° .84 10.3 18 5'0" 1 1 CH	P-2 CHILLED WATER H-3 1020/675 80/33 44 C 25 BM W 6CNE-104 30 1750/1150 H 2 SPEED 2 WIND MOTOR			7L R-1 21 36 84 84 16600 10 7L R-1 25 60 60 84 23600 10
RH-9-1 1 $H-6$ 10.4 800 58° 70° .087 1.2 165° .44 1.6 8 1°9° 1 1 MP	P-3 LOW TEMP, WATER H-3 750 84 165 C 22 BM W 4CNE-104 25 1750 J			74 R-1 25 60 60 764 23600 .10 7L R-1 4 18 36 84 3400 .10
RH-10-1 1 H-6 9.1 700 58° 70° .087 1.2 165° .40 1.4 8 $1^{1}6^{11}$ 1 MP RH-11-1 1 H-6 10.4 800 58° 70° .087 1.2 165° .44 1.6 8 $1^{1}9^{11}$ 1 MP	P-4 LOW TEMP.WATER H-3 750 84 165 C 22 BM W 4CNE-104 25 1750 J -			2 7L R-2 48 72 96 84 46430 .10
RH-12-1 1 H-8 29.8 1615 58° 75° .117 3.0 165° .44 2.6 10 2'5' 1 2 MP	P-5 PHC-2 H-3 41 20 165 C IL T 2GT 3/4 1750 I P-6 MAKE-UP WATER H-3 9 115 60 + C F VCL-650 11/2 3450 K		C=CABINET SA1-3 P=PROPELLER SA1-3	3 7L R-3 48 72 96 84 41,025 .10
RH=13-1 1 H-8 9.0 560 58° 73° .087 0.9 165° .18 1.1 6 1 ¹ 6" 1 1 MP	P-6 MAKE-UP WATER H-3 9 115 OU tr U transmission of the second	EXPANSION JOINT SCHEDULE (ZALLEA AS STANDARD)		
RH-14-1 1 H-8 11.8 810 58° 71.5° .087 1.2 165° .44 1.6 8 1'9'' 1 1 MP RH=15-1 T H-8 6.7 310 58° .087 0.6 165° .05 0.6 4 1'3'' 1 1 MP	NOTES: OPERATING CONDITIONS: C = CONTINUOUS, I = INTERMITTENT, TYPE: BM = BASE MOUNTED, C = CONDENSATE UNIT, IL = IN-LINE	SIZE RATED WORKING JOINT NO. SERVICE INCHES PRESSURE TEMPERATURE	URF TRAVERSE NUMBER OF	
$RH=16-1 1 H=6 3.6 520 80^{\circ} 88^{\circ} .087 0.9 165^{\circ} .16 0.9 6 1^{+}3^{++} 1 1 MP$	TYPE: BM = BASE MOUNTED, C = CONDENSATE ONT, TC = THELEME MFR: W = WORTHINGTON, F = FEDERAL, T = THRUSH	PSIG °F.	INCHES CORRUGATIONS REMARKS	RECEIVED
RH-17-1 1 H-6 7.8 1200 80° 86° .087 1.5 165° .98 2.6 10 2'3" 1 1 MP		EJ-1, 2, 6, 7 HTW 3 500 400 EJ-3, 4 CHW 8 150 45	1.92 7 + 3/4 2 PRECOMPRESS	CLU. A FULLER CO. INC.
RH-18-1 1 H-8 6.4 590 68° 78° .117 0.9 165° .18 1.1 6 1 ¹ 6" 1 1 MP			2.1 5	OCT 1 9 1973
RH-19-1 1 H-8 14.2 400 68° 91° .087 1.8 165° .07 0.9 6 1'3" 1 2 MP RH 2011 1 H-11 10.8 815 58° 78° 117 1.8 165° .10 1.4 6 2'0" 1 2 MP				STATE UNIVERSITY OF NEW YORK
				PURCHASE STATE UNIVERSITY CONSTRUCTION FUND
				project number 2922 MUSIC
				EDWARD LARRABEE BARNES F.A.I.A. architect PETER G. ROLLAND landscape architect
				WEISKOPF AND PICKWORTH SEGNER AND DALTON consulting engineers EOUIPMENT SCHEDULE &
				SYMBOL LIST
			KEY PLA	LAN TIME
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- D Aar		SYMBOL		
		HIGH TEMPERATURE WATER ELOW	and the second sec	90° DEG. BLANK OFF ON CD
		HIGH TEMPERATURE WALLER KETURN		TURNING VANES
		LOW TEMPERATURE WATER FLOW		FLEXIBLE DUCT CONNECTION
		LOW TEMPERATURE WATER RETURN		SPLITTER DAMPER
	CHF	CHILLED WATER FLOW		ACOUSTICALLY LINED DUCT BETWEEN SYMBOLS OR FROM SYMBOL TO RECISTER, GRILLE OR DIFFUSER
er. Andre bernande Arrenande	CHR	CHILLED WATER RETURN		
	LPS	LOW PRESSURE STEAM (Q-15 PSIG)	I de la companya de l	VOLUME EXTRACTOR
	V · · ·	VENT TO ATMOSPHERE		DAMPER IN DUCT TYPE AS NOTED
in the second	D	DRAIN LINE	SLD	SELF-ACTING LOUVER DAMPER (COUNTER WEIGHTED & BALANCED)
	PD	PIPE TO & SPILL OVER NEAREST FLOOR DRAIN	ALD	AUTOMATIC LOUVER DAMPER (MOTOR OPERATED)
	CW CW	COLD WATER MAKE-UP	VD	VOLUME DAMPER
	Α	COMPRESSED AIR	FLD	FUSIBLE LINK FIRE DAMPER W/ ALCESS DOOR
	and grant first and grant and g	DIRECTION OF FLOW	SD	SMOKE DAMPER
	an a	PITCH PIPE UP IN DIRECTION OF ARROW	0A1	OUTSIDE AIR INTAKE
na na na na na na na na	'aan aa dharaan ahaa ahaa ahaa ahaa ahaa ahaa aha	GATE VALVE	AD	ACCESS DOOR
THE SHOW			CR, CG	CEILING REGISTER, GRILLE
		GLOBE VALVE	BR, BG	BOTTOM REGISTER, GRILLE
		LOCK SHIELD GLOBE VALVE .		
et and the second s	months and the first of the states	FLOW SWITCH	TR, TG	TOP REGISTER, GRILLE
and the set of the set		AUTOMATIC VALVE - 2 WAY	FR, FG	FLOOR REGISTER, GRILLE
- Antiportective -		AUTOMATIC VALVE - 3 WAY	untergramment to begin to	LOUVER DOOR ONE SQUARE FOOT GROSS AREA (50% FREE AREA)
And the state of t	and the second s	SWING CHECK VALVE	Among consulty of the first	UNDER-CUT DOOR BY G.C.
geridende fan fan stere	nameroananananan francisco a secondaria de la companya de la compa	STLENT CHECK VALVE	C ese 1	PUMP NO. 1
	L.D. C-1500	LINEAR DIFFUSER, TITUS C-1500	AC-1	AIR CONDITIONING UNIT NO. 1
(assessment)	1 mm	COMBINATION BALANCE & SHUT-OFF VALVE (SEE SPEC.)	H-1	HUMIDIFIER NO. 1
	near a sea a construction de la	STRAINER WITH BLOW-OFF VALVE PIPED TO NEAREST	R-1	RETURN FAN NO. 1
	· AA	FLOOR DRAIN OR DRAIN TROUGH.	E-1	EXHAUST FAN NO. 1
	<u> </u>	GAUGE COCK	UH-1	UNIT HEATER NO. 1
	9	PRESSURE GAUGE WITH COCK		PREHEAT COIL NO. 1
		UNION	PHC-1	
	5°	CAPPED END OF PIPE	R11-1-1	REHEAT COIL NO. 1 OF SYSTEM AC-1
	1	FLANGED END OF PIPE OR CONNECTION TO EQUIPIT.	CC-1	COOLING COIL NO, 1
ander of the second	ц ©	RELIEF VALVE PIPED TO NEAREST DRAIN	FWCP-1	FACTORY WIRED CONTROL PANEL NO. 1
Sealer-State				FLOW METERING VENTURI
Sando Yoo		MANUAL AIR VENT WITH COCK	WMS	WIRE MESH SCREEN
		THERMOMETER	V/W	FLEXIBLE DUCTWORK
	-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	THERMOMETER WELL =		AUTOMATIC AIR VENT WITH COCK: PIPED TO NEAREST DRAIN
		VACUUM BREAKER	4 🗇 M.O.	4 SQUARE FOOT MASONRY OPENING BY G.C.
-		DRIP RIG	PFP	PREFABRICATED PANEL (SEE SPEC.)
		PIPE ANCHOR & GUIDES		G'DEEP, 20" HIGH, 20" WIDTH, CAP. 1.9 MEH - CONVERTOR
	M	MOTOR	for a first of the second of t	ALUM INUM DUCT
		SUPPLY DUCT, UP, DN.	barg Catalogue de la constance de la Constance de la constance de la	ALON MON DOOL
		RETURN OR EXHAUST DUCT UP, DN.		
		DUCT (8" HORIZ, DIM, X 6" VERT, DIM.)	-WTR	WATER TREATMENT RIG
8	28×67 68		LFG	LINEAR FLOOR GRILLE
		where it is a state of the stat		•
		SET DUCT UP IN DIRECTION OF ARROW	: LWG	LINEAR WALL GRILLE
en sen na den unite en sen en e	CD	CELAING DIFFUSER	: LWG	LINEAR WALL GRILLE BUTTERFLY VALVE
en esta a de marte esta esta terre en esta de la seconda de se esta de seconda esta de la seconda de seconda de	CD T [*] D	CELOING DIFFUSER LESUSTICALLY LINGE TEANSFOR DUCT	LWG SA1	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1
те на настроителение общини строителение на ток и ток ток на теление на ток так и ток так и ток так и ток так т	CD TD 2W (3W)	CELAING DIFFUSER LESUSTICALLY LINGE TEANSFOR DUCT 2 WAY OR 3 WAY CD BLOW	SA1 CDR	BUTTERFLY VALVE Sound Attenuator NO. 1 Condensate drain
таларанан на	TD 2W (3W) 12 ¹¹ × 12 ¹¹	CELAING DIFFUSER LESUSTICALLY LINGE TENNEFER DUCT 2 WAY OR 3 WAY CO BLOW NOMINAL NECK SIZE OF CD	SA1	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1
er en bezeren na en bezer en medelen an en bezer en bezer en	CD TD 2W (3W)	CENNEDIFFUSER LESUSTICALLY LINGE TEANSFOR DUCT 2 WAY OR 3 WAY CO BLOW	SA1 CDR	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBERGLASS REINFORCED POLYESTER
er anstatere i never en entre entre i entre en entre en en en en en en entre entre entre entre entre entre entre	TD 2W (3W) 12 ¹¹ × 12 ¹¹	CELAING DIFFUSER LESUSTICALLY LINGE TENNEFER DUCT 2 WAY OR 3 WAY CO BLOW NOMINAL NECK SIZE OF CD	SAI COR FRP DUCT	BUTTERFLY VALVE SOUND ATTENUATOR NO. I CONDENSATE DRAIN FIBERGLASS REINFORCED POLYESTER DUCT WORK SEE SPEC
	TD 2W (3W) 12 ¹¹ × 12 ¹¹	CELAING DIFFUSER LESUGTICALLY LINGE TEAMSFOR DUCT 2 WAY OR 3 WAY OD BLOW NOMINAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-33 DAMPER	SA1 CDR FRP DUCT	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBERGLASS REINFORCED POLYESTER DUCT WORK SEE SPEC PROVIDE TWO FLOG, ONE ON BACH SIDE OF WAL EXHAUST AIR DIECHARGE
	TD 2W (3W) 12 ¹¹ × 12 ¹¹	CELAING DIFFUSER LESUGTICALLY LINGE TEAMSFOR DUCT 2 WAY OR 3 WAY OD BLOW NOMINAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-33 DAMPER	SAI COR FRP DUCT FLD-B EAD	BUTTERFLY VALVE SOUND ATTENUATOR NO. I CONDENSATE DRAIN FIBERGLASS REINFORCED POLYESTER DUCT WORK SEE SPEC PROVIDE TWO FLOGS, ONE ON BACH SIDE OF WALK EXHAUST AIR DIECHARGE
AND A DOUBLE AND A	CD TD 2W (3W) 12" × 12" CDD TYPE MODE	CELAING DIFFUSER LESUSTICATUY WHER TEAM SPAR DUCT 2 WAY OR 3 WAY OD BLOW NOMINAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-35 DAMPER ELECTRIC ELECTRIC HEATER NO. KN	SAI COR FIZP DUCT FLD-B EAD REHEAT COIL SCHE	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBERGLASS REINFORCED POLYESTER DUCT WORK SEE SPEC PROVIDE TWO FLOG, ONE ON BACH SIDE OF WAL EXHAUST AIR DIECHARGE
R P.D. FT.	CD TD 2W (3W) 12 ¹¹ × 12 ¹¹ CDD	CELAING DIFFUSER LESUSTICATUY WHER TEAM SPAR DUCT 2 WAY OR 3 WAY OD BLOW NOMINAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-35 DAMPER ELECTRIC ELECTRIC HEATER NO. KN	SAI COR FIZP DUCT FLD-B EAD REHEAT COIL SCHE	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBERGLASS REINFORCED POLYESTER DUCT WORK SEE SPEC PROVIDE TWO FLOGS, ONE ON BACH GIDE OF WALK EXHAUGT AIR DIECHARGE EDULE (SEE PLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH
P.D.	CD TD 2W (3W) 12" × 12" CDD TYPE MODE	CELANC DIFFUSER LESUSTICATUY LINDE TELNOFOR DUCT 2 WAY OR 3 WAY OD BLOW NOMINAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-33 DAMPER ELECTRIC EL ARR. MOTOR MOTOR CS HP RPM	SAI COR FRP DUCT FLP-S EAD REHEAT COIL SCHE	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBERGLASS REINFORCED POLYESTER DUCT WORK SEE SPEC PROVIDE TWO FLOGS, ONE ON BACH GIDE OF WALK EXHAUGT AIR DIECHARGE EDULE (SEE PLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH
P.D. FT.	CD TD 2W (3W) 12" × 12" CDD TYPE MODE	CELAING DIFFUSER LESUSTICATUY LINDE TEAMSPOR DUCT 2 WAY OR 3 WAY OD BLOW NOMINAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-35 DAMPER ELECTRIC ELECTRIC HP RPM TYPICAL ERH-A	SAI COR FRP DUCT FLD-S EAD REHEAT COIL SCHE W VOLT	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBERGLASS REINFORCED POLYESTER DUCT WORK SEE SPEC PROVIDE TWO FLOGS, ONE ON BACH SIDE OF WAL EXHAUST AIR DISCHARGE EDULE (SEE PLANS FOR LOCATIONE) HIGH NO, CONTROL WIDE HIGH PH STEPS VOLTS (IN.) (IN.) 1 1 2277 10 8
P.D. FT. 5.0	C CR-4	CEILING DIFFUSER LESUSTICALLY LINDE TEAUSPOR DUCT 2 WAY OR 3 WAY OD BLOW NOMINAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-35 DAMPER ELECTRIC ELECTRIC HP RPM TYPICAL HEATER NO. KI ERH-A .S TYPICAL ERH-B .S	SAI COR FIZP DUCT FLP-5 EAD REHEAT COIL SCHE W VOLT 9 277 9 277	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBERGLASS REINFORCED POLYESTER DUCT WORK - SEE SPEC PROVIDE TWO FLOS, ONE ON BACH SIDE OF WALK EXHAUST AIR DIECHARGE EDULE (SEE PLANS FOR LOCATIONE) PH STEPS VOLTS (IN.) (IN.) 1 1 277 10 8 1 1 277 14 8
P.D. FT. 5.0 3.0	CD TD 2W (3W) 12 ¹¹ × 12 ¹¹ CDD TYPE MODE NO. C CR-4 C C-1	CENSING DIFFUSER LESUSTICATUY LINDED TEAM SPER DUCT 2 WAY OR 3 WAY OD BLOW NOMINIAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-35 DAMPER ELECTRIC EL ARR. MOTOR MOTOR CS HP RPM TYPICAL 4 08 1/25 1090 F FOR 2 ERH-A 16 08 1/4 1140 F FOR 2 ERH-C 16 08 1/4 1140 F FOR 2 ERH-C	SAI COR FRP DUCT FLP-S EAD REHEAT COIL SCHE VOLT 9 277 9 277 9 277	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBER GLASS REINFORCED POLYESTER DUCT WORK SEE SPEC PROVIDE TWO FLOGS, ONE ON BACH SIDE OF WAL EXHAUST AIR DIECHARGE EDULE (SEE PLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH NO. CONTROL WIDE HIGH I I 277 IC 8 I I 277 IC 8 I I 277 IA 8
P.D. FT. 5.0 3.0 1.4	CD TD 2W (3W) 12'' × 12'' CDD TYPE MODE NO. C CR-4 C C-1 P V-81	CENSING DIFFUSER LESUSTICATUY LINDED TEADOSPAR DUCT 2 WAY OR 3 WAY CD BLOW NOMINAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-33 DAMPER ELECTRIC EL ARR. MOTOR MOTOR CS HP RPM TYPICAL 4 08 1/25 1090 F FOR 2 TYPICAL 4 08 1/25 1090 F FOR 2 TYPICAL 4 08 1/4 1140 F FOR 2 TYPICAL ERH-B 10 - 1/4 1075 E TYPICAL ERH-D S	SAI COR FRP DUCT FLD-3 EAD REHEAT COIL SCHE VOLT 9 277 9 277 9 277 9 277	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBERGLASS REINFORCED POLYESTER DUCT WORK SEE SPEC PROVIDE TWO FLOGS, ONE ON BACH GIDE OF WAL EXHAUST AIR DECHARGE EDULE (SEE PLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH PH STEPS VOLTS (IN.) (IN.) 1 1 277 10 8 1 1 277 14 8 1 1 277 18 8 1 1 277 28 8
P.D. FT. 5.0 3.0 1.4 2.5	CD TD 2W (3W) 12'' × 12'' CDD TYPE MODE NO. C CR-4 C C-1 P V-81 C CW-8	CELAINC DIFFUSER ACCUSTICATOY LINDO TEANOSPOR DUCT 2 WAY OR 3 WAY CD BLOW NOMINIAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-35 DAMPER ELECTRIC ELECTRIC ELECTRIC HP RPM TYPICAL HEATER NO. KI ERH-A 10 - 1/4 1075 E TYPICAL FOR 2 ERH-D 50 1/6 750 F ERH-E S	SA1 CDR FRP DUCT FLD-5 EAD REHEAT COIL SCHE VOLT 9 277 9 277 9 277 9 277 9 277 9 277	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBER GLASS REINFORCED POLYESTER DUCT WORK - SEE SPEC PROVIDE TWO FLOG, ONE ON BACH SIDE OF WAL EXHAUST AIR DISCHARGE EDULE (SEE PLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH PH STEPS VOLTS (IN.) (IN.) 1 1 277 10 8 1 1 277 18 8 1 1 277 28 8 1 1 277 30 8
P.D. FT. 5.0 3.0 1.4 2.5 4.0	TYPE MODE C CR-4 C CR-4 C CR-4 C CR-4 C C-1 P V-81 C CW-8 C CW-3	CENSING DIFFUSER LESUSTICATION LINES TEAM SPAR DUCT 2 WAY OR 3 WAY OD BLOW NOMINAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-33 DAMPER ELECTRIC EL ARR. MOTOR MOTOR CS HP RPM TYPICAL 4 08 1/25 1090 F FOR 2 16 08 1/4 1140 F FOR 2 16 08 1/4 1140 F FOR 2 16 08 1/4 1075 E TYPICAL FOR 2 10 - 1/4 1075 E FOR 2 10 - 1/4 1075 F FOR 2 10 - 1/4 FOR 750 F FOR 7	SA1 CDR FRP DUCT FLD-5 EAD REHEAT COIL SCHE VOLT 9 277 9 277 9 277 9 277 9 277 9 277	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBER GLASS REINFORCED POLYESTER DUCT WORK - SEE SPEC PROVIDE TWO FLOG, ONE ON BACH SIDE OF WAL EXHAUST AIR DISCHARGE EDULE (SEE PLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH PH STEPS VOLTS (IN.) (IN.) 1 1 277 10 8 1 1 277 18 8 1 1 277 28 8 1 1 277 30 8
P.D. FT. 5.0 3.0 1.4 2.5 4.0 2.5	TYPE MODE C CR-4 C CR-4 C CR-4 C C-1 P V-81 C CW-8 C CW-8 C CW-8	CENAINC DIFFUSER JESUSTICALUY LIVER TEAUSPER DUCT 2 WAY OR 3 WAY CD BLOW NOMINIAL DECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-33 DAMPER ELECTRIC TYPICAL TYPICAL HEATER NO. KI TYPICAL TYPICAL TYPICAL CENH-6 TYPICAL FOR 2 TYPICAL ERH-A STYPICAL FOR 2 FOR 2 ERH-A STYPICAL ERH-C STYPICAL	SA1 CDR FRP DUCT FLD-5 EAD REHEAT COIL SCHE VOLT 9 277 9 277 9 277 9 277 9 277 9 277	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBER GLASS REINFORCED POLYESTER DUCT WORK - SEE SPEC PROVIDE TWO FLOGE, ONE ON BACH FIDE OF WALL EXHAUET AIR DISCHARGE EDULE (SEE FLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH PH STEPS VOLTS (IN.) (IN.) 1 1 277 10 8 1 1 277 18 8 1 1 277 28 8 1 1 277 30 8 E-2
P.D. FT. 5.0 3.0 1.4 2.5 4.0	TD 2W (3W) 12'' × 12'' CDD TYPE MODE NO. C	CELAINC DIFFUSER JESUSTICALUY LUDGO TEADSPER DUCT 2 WAY OR 3 WAY CD BLOW NOMINAL DECK SIZE OF CD CEILING DIFFUSER W/TITUS AG-35 DAMPER ELECTRIC ELECTRIC TYPHEAL FUSER FUSER TYPHEAL FUSE 2 TYPHEAL ERH-A SIG 1/4 1140 TYPHEAL FUSE 2 SIG 1/6 750 SIG 1/6 1140 SIG 1/6 1140 SIG 1/6 750 SIG 1/6 750 SIG 1/6 750 SIG 1/6 750	SA1 CDR FRP DUCT FLD-5 EAD REHEAT COIL SCHE VOLT 9 277 9 277 9 277 9 277 9 277 9 277 9 277 9 277	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSIATE DRAIN FIBER GLASS REINFORCED POLYESTER DUCT WORK - SEE SPEC. PROVIDE TWO FLOS, ONE ON BACH FIDE OF WALK EXHAUST AIR DISCHARGE EDULE (SEE FLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH PH STEPS VOLTS (IN.) (IN.) 1 1 277 10 8 1 1 277 18 8 1 1 277 18 8 1 1 277 28 8 1 1 277 30 8 E-2
P.D. FT. 5.0 3.0 1.4 2.5 4.0 2.5	TD 2W (3W) 12'' × 12'' CDD TYPE MODE NO. C	CELAINC DIFFUSER JESUSTICALUY LUDGO TEADSPER DUCT 2 WAY OR 3 WAY CD BLOW NOMINAL DECK SIZE OF CD CEILING DIFFUSER W/TITUS AG-35 DAMPER ELECTRIC ELECTRIC TYPHEAL FUSER FUSER TYPHEAL FUSE 2 TYPHEAL ERH-A SIG 1/4 1140 TYPHEAL FUSE 2 SIG 1/6 750 SIG 1/6 1140 SIG 1/6 1140 SIG 1/6 750 SIG 1/6 750 SIG 1/6 750 SIG 1/6 750	SAI COR FRP DUCT FLD-5 EAD REHEAT COIL SCHE VOLT 9 277 9 277	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBERQLASS REINFORCED POLYESTER DUCT WORK -SEE SPEC PROVIDE TWO FLOGS, ONE ON SACH SIDE OF WAL EXHAUST AIR DISCHARGE SULE (SFE PLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH PH STEPS VOLTS (IN.) (IN.) 1 1 277 10 8 1 1 277 14 8 1 1 277 18 8 1 1 277 28 8 1 1 277 28 8 1 1 277 30 8 E-2 SCHEDULE (J.A.C. QUIET DUCT AS STANDARD) MAX FACE OVERALL PD
FT. 5.0 3.0 1.4 2.5 4.0 2.5 2.5	TD 2W (3W) 12 ¹¹ × 12 ¹¹ CDD TYPE MODE NO. C <td>CELAING DIFFUSER LOSUGTICALUY LINDOD TEALUSPOR DUCT 2 WAY OR 3 WAY CD BLOW NOMINIAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-35 DAMPER EL ARR. MOTOR MOTOR CS HP RPM TYPICAL 4 08 1/25 1/25 1090 FFOR 2 TYPICAL 6 1/4 10 1/4 1/4 1075 28 50 30 1/30 30 1/6 30 1/6 31 1/6 32 1/6 33 1/6 34 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 4 140 <t< td=""><td>SAI COR FIZP DUCT FLD-5 EAD REHEAT COIL SCHE VOLT 9 277 9 277 9 277 9 277 9 277 9 277 9 277 9 277 9 277 9 277</td><td>BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBER GLASS REINFORCED POLYESTER DUCT WORK - SEE SPEC PROVIDE TWO FLOGS, DME OF BACH SIDE OF WAL EXHAUST AIR DISCHARGE EDULE (SEE FLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH PH STEPS VOLTS (IN.) (IN.) 1 1 277 10 8 1 1 277 14 8 1 1 277 18 8 1 1 277 28 8 1 1 277 30 8 E-2 SCHEDULE (JLA.C. QUIET DUCT AS STANDARD)</td></t<></td>	CELAING DIFFUSER LOSUGTICALUY LINDOD TEALUSPOR DUCT 2 WAY OR 3 WAY CD BLOW NOMINIAL NECK SIZE OF CD CEILING DIFFUSER W/ TITUS AG-35 DAMPER EL ARR. MOTOR MOTOR CS HP RPM TYPICAL 4 08 1/25 1/25 1090 FFOR 2 TYPICAL 6 1/4 10 1/4 1/4 1075 28 50 30 1/30 30 1/6 30 1/6 31 1/6 32 1/6 33 1/6 34 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 350 1/6 4 140 <t< td=""><td>SAI COR FIZP DUCT FLD-5 EAD REHEAT COIL SCHE VOLT 9 277 9 277 9 277 9 277 9 277 9 277 9 277 9 277 9 277 9 277</td><td>BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBER GLASS REINFORCED POLYESTER DUCT WORK - SEE SPEC PROVIDE TWO FLOGS, DME OF BACH SIDE OF WAL EXHAUST AIR DISCHARGE EDULE (SEE FLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH PH STEPS VOLTS (IN.) (IN.) 1 1 277 10 8 1 1 277 14 8 1 1 277 18 8 1 1 277 28 8 1 1 277 30 8 E-2 SCHEDULE (JLA.C. QUIET DUCT AS STANDARD)</td></t<>	SAI COR FIZP DUCT FLD-5 EAD REHEAT COIL SCHE VOLT 9 277 9 277 9 277 9 277 9 277 9 277 9 277 9 277 9 277 9 277	BUTTERFLY VALVE SOUND ATTENUATOR NO. 1 CONDENSATE DRAIN FIBER GLASS REINFORCED POLYESTER DUCT WORK - SEE SPEC PROVIDE TWO FLOGS, DME OF BACH SIDE OF WAL EXHAUST AIR DISCHARGE EDULE (SEE FLANS FOR LOCATIONE) NO. CONTROL WIDE HIGH PH STEPS VOLTS (IN.) (IN.) 1 1 277 10 8 1 1 277 14 8 1 1 277 18 8 1 1 277 28 8 1 1 277 30 8 E-2 SCHEDULE (JLA.C. QUIET DUCT AS STANDARD)



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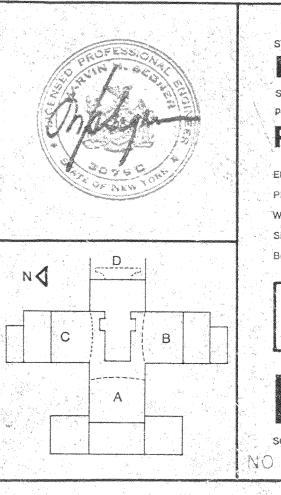


	AIR HANDLING UNTT SCHEDULE	FILTER SCHEDULE: (AMERICAN AIR FILTER AS STANDARD)	SYMBOL	LIST	<u> </u>
	UNIT SERVICE LOC. FAN MIN. <u>COMPONENT ASSEMBLY 0.A.1. TO FAN SECTION</u> NO. SEE NO. 0.A.% MIX FILTER ACCESS DAMPER PHC ACCESS C.C. RH. FLEX. HUMID- MODEL	FILTER NO. SERVICE CFN MODEL H. P. ARR. TYPE C'S REMARKS	HTWE HIGH TEMPERATURE WATER FLOW	90°DEG. BLANK OFF ON CD	FIRE DAMPER ASSE DRAWING HM-3 FOR
	DWG, BOX SECT, COIL SECT, COIL COIL CONN, IFTER NO. DEPTH DEPTH TNCHES INCHES	F-1 AC-1 35,000 45H100 1/10 SA ROLL-0-PAK M 2'REQUIRED	HTWR HIGH TEMPERATURE WATER RETURN		PREHEAT COLL CON DETAIL ON DRAWIN
	AC-1 STAGE-TH.A HL-2 S-1 20 YES F-1 16 PHC-1 30 CC-1 YES H-1 H64ACE	F-2 AC-2 26,000 69H94 1/10 SA ROLL-O-PAK M	LTWR LOW TEMPERATURE WATER RETURN	SPLITTER DAMPER	2 COOLING COIL CON SEE DETAIL ON DR
	AC-2 AUDITORIUM-TH.A HL-2 S-2 30 YES F-2 16 PHC-2 30 CC-2 YES H-2 H52ACE AC-3 DRESSING-TH.A, B&C HL-2 S-3 34 YES F-3 16 YES PHC-3 30 CC-3-1 - YES H-3 V52ACE	F-3 AC-3 26,000 69H94 1/10 SA ROLL-O-PAK M F-4 AC-4 17,000 57H94 1/10 SA ROLL-O-PAK M	CHF CHILLED WATER FLOW CHR CHILLED WATER RETURN	ACOUSTICALLY LINED DUCT BETWEEN SYMBOLS OR FROM SYMBOL TO REGISTER, GRILLE OR DIFFUSER	H-1 HUMIDIFIER, (INC DRAWING HM-3 & S PLASTER DUCTWORK
	AC-4 AUDITORIUM-TH.B HL-1 S-4 33 YES F-4 16 PHC-4 30 CC-4 YES H-4 V36ACE	F-5 AC-5 24,000 69H94 1/10 SA ROLL-0-PAK M	LPS LOW PRESSURE STEAM (0-15 PS1G)	VOLUME EXTRACTOR	SEE DETAIL ON D
	AC-5 STAGE-TH_B HL-1 S-5 20 YES F-5 16 PHC-5 30 CC-5 RH1-5 YES H-5 V52ACE AC-6 STAGE-TH_C HL-1 S-6 30 YES F-6 16 PHC-6 30 CC-6 RH1-6 YES H-6 V36ACE	F-6 AC-6 17:000 57H94 1/10 SA ROLL-0-PAK M F-7 AC-7 13:000 45H78 1/10 SA ROLL-0-PAK M	V VENT TO ATMOSPHERE D ORAIN LINE	SLO SELF-ACTING LOUVER DAMPER (COUNTER WEIGHTED & BALANCED)	
	AC-7 AUDITORIUM-TH.C HL-1 S-7 35 YES F-7 16 PHC-7 30 CC-7 YES H-7 H25ACE	F-8 AC-8 43,000 JOV100 1/10 ROLL-O-PAK N F-9 AC-9 22,000 69H94 1/10 SA ROLL-O-PAK M	PD PIPE TO & SPILL OVER NEAREST FLOOR DRAIN	ALD AUTOMATIC LOUVER DAMPER (MOTOR OPERATED)	
	AC-8 CENTRAL LOBBY HL-1 S-8 15 YES F-8 36 PHC-8 24 CC-8 YES * AC-9 CENTRAL PRODUC, HL-1 S-9 25 YES F-9 30 PHC-9 30 CC-9 YES V52ACE	F-10 AC-10 18,000 57H94 1/10 SA ROLL-0-PAK M	A COMPRESSED AIR	SD SMOKE DAMPER FLD FUSIBLE LINK DAMPER WITH ACCESS DOOR OAI OUTSIDE AIR INTAKE	
	AC-10 SHOP-TH, A HA-5 S-10 20 NO F-10 PHC-10 CC-10 YES V36ACE	F-11 HV-1 13,000 H45-70 1/10 ROLL-O-MATIC M F-12 HV-2 10,000 H45-70 1/10 ROLL-O-MATIC M	DIRECTION OF FLOW RITCH PIPE UP IN DIRECTION OF ARROW	AD ACCESS DOOR	
· · ·	HV-1 EQUIP RM & HL-2 S-11 YES F-11 NO NO H22HV CRAWL SPACE HV-2 EQUIP RM. HL-1 S-12 YES F-12 NO H22HV	F-13 HV-3 15:000 H45-78 1/10 - RCLL-0-MATIC M	GLOBE VALVE	CR.CG CEILING REGISTER, GRILLE BR.BG BOTTOM REGISTER, GRILLE	
	HV-3 SWITCHGEAR RM, HL-1 S-13 YES F-13 NO H25HV	CENTRAL COIL SCHEDULE (AMERICAN AIR FILTER TYPE W AS STANDARD)		TR, TG TOP REGISTER, GRILLE FR, FG FLOOR-REGISTER, GRILLE	
	NOTES: 1. STANDARD MFR.: AMERICAN AIR FILTER 4. DAMPER IS INTERNAL FACE AND BYPASS,	COIL AHU MEH CFM ENT. LEAV. FRIC. GPM ENT. P.D. FACE TUBE TUBE POWS CIRCUIT NOTES NO. NO. DB/WB DB/WB IN. SO.FT. FACE LENGTH	FLS FLOW SWITCH AUTOMATIC VALVE - 2 WAY	L- IT LOUVER DOOR ONE SQUARE FOOT GROOS AREA (50% FREE AREA)	
	 ALL UNITS ARE FACTORY ASSEMBLED UWLESS MARKED \$ SEE ALSO FAN, COIL, FILTER AND HUMIDIFIER SCHEDULES; ALL UNITS ARE DRAW-THRU TYPE. AND GENERAL HOTES ON DRAWINGS HL-1, 2, and 3. 	CC-1 1 1360 35000 80.5/65.6 54/53 .90 195 44 10 63 56 108 6 FULL 2 TIER COIL	- AUTOMATIC VALVE - 3 WAY - SWING CHECK VALVE	UNDER-CUT DOOR BY G.C. P-1 PUMP NO. 1	
	FAN SCHEDULE	CC-2 2 1060 26000 81,5/68 57,5/55.3 70 150 44 10 51.8 46 108 6 FULL 2 TIER COIL CC-3-1 3 310 6900 84/67.8 58/56.5 70 50 44 5 13,5 24 54 6 FULL	SILENT CHECK VALVE	AC-1 AIR CONDITIONING UNIT NO. 1 H-1 HUMIDIFIER NO. 1	
	FAN SERVICE OR LOC, TOTAL O.V. FAN STAND, MODEL MOTOR NO. A.C.UNIT NO. SEE CFM S.P. FPM RPM BHP DRIVE TYPE MFR. NO. H.P. C.S. NOTES	CC-3-2 3 380 8900 84/69.2 58/56.5 .70 60 44 5 18 24 72 6 FULL	LD.C-1500 LINEAR DIFFUSER, TITUS C-1500 COMBINATION BALANCE & CHUT-OFF VALVE (SEE SPEC.)	R-1 RETURN FAN NO. 1	
	DWG. S-1 AC-1 HL-2 35,000 4-1/2 1930 1203 35 B DWDI AAF 64 40 VARIABLE INLET	-CC-3-3 3 240 5600 84/69.2 58/56.5 70 40 44 5 11.25 20 54 6 FULL CC-3-4 3 200 4500 84/69.2 58/56.5 70 30 44 5 9 16 54 6 FULL	STRAINER WITH BLOW-OFF VALVE PIPED TO NEAREST FLOOP DRAIN	E-I EXHAUST FAN NO, I UH-I UNIT HEATER NO, I	
, ,	S-2 AC-2 HL-2 26,000 4 1735 1219 23 B DWD1 AAF 52 30 VARIABLE INLET	CC-4 4 740 17000 82/68.6 57/55 .70 105 44 10 36 32 108 6 FULL CC-5 5 840 24000 80/64.8 54/53 .60 135 44 10 51.8 46 108 6 FULL 2 TIER COLL	GAUGE COCK	PHC-1 PREHEAT COLL NO. 1	
	S-3 AC-3 HL-2 26,000 4 1735 1219 23 B DWD1 AAF 52 30	CC-6 6 710 17000 81.5/66.7.54/53 .60 105 44 10 36 32 108 6 FULL	PRESSURE GAUGE WITH COCK	RHI-I REHEAT COIL NO. 1 OF SYSTEM AC-1.	
	S-4 AC-4 HL-1 17,000 4 1720 1255 15 B DWD1 AAF 36 20 VARIABLE INLET VANES - MANUAL	CC-7 7 570 13000 82.5/68.8 57.5/55.2 75 85 44 5 25 30 80 6 FULL CC-8 8 1650 43000 79.7/66.6 56/54.2 70 235 44 10 88.3 72 111 6 FULL 3 TIER COIL	E CAPPED END OF PIPE I FLANGED END OF PIPE OR CONNECTION TO EQUIP'T	PWCPH FACTORY WIRED CONTROL PANEL NO. 1	
•	S-5 AC-5 HL-1 24,000 4 1600 1175 19 B DWD1 AAF 52 25 VARIABLE INLET VANES-MANUAL	CC-9 9 890 22000 81/67.7 56/55 .60 130 44 10 51.8 46 108 6 FULL 2 TIER COIL CC-10 10 630 18000 81/66.2 56/55.2 .70 90 44 10 36 32 108 6 FULL	RELIEF VALVE PIPED TO NEAREST DRAIN	WMS WIRE MESH SCREEN	
	S-6 AC-6 HL-1 17,000 4 1720 1255 15 B DWD1 AAF 36 20 VARIABLE INLET VANES - MANUAL	PHC-1 1 1250 35000 2/- 35/- 15 70 165 2 63 56 108 1 HALF 2 TIER COIL	THERMOMETER	AUTOMATIC AIR VENT WITH COCK: PIPED TO NEAREST DRAIN	
	S-7 AC-7 HL-1 13,000 4 1950 1613 12.5 B DWDT AAF 25 15 VARIABLE INLEE VANES-MANUAL	PHC-2 2 925 26000 2/- 35/- 12 60 165 2 51.8 46 108 T HALF 2 TIER COIL PHC-3 3 925 26000 2/- 35/- 22 45 165 2 36.8 36 98 1 HALF 2 TIER COIL		44 M.O. 4 SQUARE FOOT MASONRY OPENING BY G.C. PFP PREFABRICATED PANEL (SEE SPEC.)	
	S-8 AC-8 HL-1 43,000 4 2100 785 32 B DWD1 AAF 445A 40 S-9 AC-9 HL-1 22,000 4 1470 H35 18 B DWD1 AAF 52 25	PHC-4 4 605 17000 2/- 35/10 40 165 2 36 32 108 1 HALF FHC-5 5 856 24000 2/- 35/10 60 165 2 51.8 46 108 1 HALF	\longrightarrow DRIP RIG $\implies \times =$ PTPE ANCHOR & GUIDES		
	S-9 AC-9 FL-1 22,000 4 1470 1135 18 B DWD1 AAF 52 25 S-10 AC-10 HA-5 18,000 3-1/2 1810 1256 13.5 B DWD1 AAF 36 15	PHC-6 6 606 17000 2/- 35/- 10 40 165 2 36 32 108 1 HALF	MOTOR	LUBRICATED PLUG VALVE	
	S-11 HV-1 HL-2 13,000 - 3/4 1950 1120 4.3 B DWD1 AAF 22 5	PHC-7 7 465 13000 2/- 35/- 15 40 165 2 25 50 80 1 HALF PHC-8 8 1540 43000 2/- 35/- 12 90 165 2 88 25 72 111 1 HALF 3 TIER COLL	SUPPLY DUCT, UP, DN. RETURN-OR EXHAUST DUCT UP, DN.	WTR WATER TREATMENT RIG	
	S-12 HV-2 EL-1 10,000 3/4 1490 930 3 B DWD1 AAF 22 5 S-13 HV-3 EL-1 15,000 3/4 2240 1250 6.3 B DWD1 AAF 25 7-1/2	PHC-9 9 785 22000 2/- 35/10 60 165 2 53.8 46 108 1 HALF 2 TIER COLL PHC-10 10 642 18000 2/- 35/12 40 165 2 36 32 108 1 HALF	SET DUCT (8" HORIZ, DIM. × 6" VERT, DIM.)	IWG LINEAR WALL GRILLE	
•	S-13 HV-3 HL-1 15,000 3/4 2240 1250 6.3 B DWD1 AAF 25 7-1/2 S-14 EMER.VENT.TH.A, HL-2 50,000 2 3900 1150 28 D AV JOY 48-26 30	RH1-5 5 600 24000 54/- 77/- 17 60 165 5 40.5 36 108 1 HALE 2 THER COLL	CD CEILING DIFFUSER	HUMIDIFIER	
	S-15 EMER_VENT_TH_B HL-1 39,000 2 3100 1150 18.5 D AV JOY 48-21 20 S-16 EMER_VENT_TH_C HL-1 39,000 1.5 3100 1150 15.1 D AV JOY 48-21 20	RH1-6 6 425 17000 54/- 77/- 20 45 165 5 27 24 108 1 HALF RH1-1 1 765 30900 54/- 77/- .25 80 165 2 42 56 72 1 HALF 2 TIER COIL	IN. 9" NECK ZW (3W) 2 WAY OR 3 WAY CD BLOW	SAI-I SOUND ATTENUATOR Nº 1. OF SYSTEM AC-1. VDL VOLUMEDAMPER WITH FUSIBLE LINK	
	R-1 AC-1 HL-2 28,000 1 1650 430 6.5 B SWS1 AAF 542A 10 VARIABLE INLET R-2 AC-2 HL-2 23,000 1 1360 385 5.0 B SWS1 AAF 542A 7-1/2 VARIABLE INLET	RH2-1 1 34 4100 54/- 80/- 22 12 165 2 6 8 72 1 HALF	T2"X12" CEILING OPENING OF CD	G EMERGENCY BREAKGLASS GWITCH, SEE CS-S COR CEILING DIFFUSER USED FOR RETURN	
	VANES AUTOMATIC R-3 AC-3 HL-2 17,250 1 1520 495 4.1 B SWSI AAF 44.5A 7-1/2	DUCT REHEATER SCHEDULE (AEROFIN AS STANDARD)	DUCT REHEATER SCHEDULE		
	R-4 AC-4 HL-1 15,750 1 1690 590 4.0 B SWSI AAF 402A 5 VARIABLE INLET VANES AUTOMATIC	LOC, <u>AIR DATA</u> <u>WATER DATA</u> <u>COIL DATA</u> COIL A.H.U. SEE TOTAL <u>ENT, LEAV</u> <u>ENT, LEAV</u> <u>ENT, FACE TUBE</u> NO, NO, DWG, MBM CFM TEMP, TEMP, P.D. GPM TEMP, P.D. SO FT, FACE LENGTH ROWS CIRCUIT MODEL NOTES	LOC. <u>AIR DATA</u> WATER DAT COIL AND SEE TOTAL ENT. LEAV. ENT.	FACE TUBE	
	R-5 AC-5 HL-1 19,300 1 1700 535 4.8 B SWS1 AAF 445A 7-1/2 VARIABLE INLET VANES MADUAL	RH-1-2 2 HL-2 90.0 5200 58 74 .15 13.8 165 .8 8.3 21 3"-6" 1 HALF CH	NO. NO. DWG. MBH CFM TEMP. TEMP. P. D. GPM TEMP. RH-1-3B AC-3 HB-1 4.2. 180 58 80 .04 .6 165	P.D. SQ.FT. FACE LENGTH ROWS CIRCUIT MODEL NOTES	
	R-6 AC-6 HL-1 12,900 1 1670 640 3.1 B SWST AAF 365A 5 VARIABLE UNLET VANES MALIUAL	RH-2-2 2 HL-2 24,2 1600 58 72 15 2,4 165 7 2,3 8 24-6" 1 1 MP RH-3-2 2 HL-2 22,6 1500 58 72 15 2,4 165 7 2,3 8 24-6" 1 1 MP	RH-2-3B AC-3 HB-1 2,9 140 58 78 .04 .6 165	-04 .50 4 1*-0* 1 1 MP	
• • •	R-7 AC-7 HL-1 11,500 1 1840 800 3.6 B SWST AAF 330A 5 VARIABLE INLET VANES AUTOMATIC	RH-4-2 2 HU-2 52,3 2550 58 77 15 7,5 165 75 4,0 12 3*-0" 1 HALF CH RH-5-2 2 HU-2 4,1 270 58 74 10 6 165 04 0,5 4 1*-0" 1 1 MP	RH-3-3B AC-3 HB-1 2.9 140 58 78 .04 .6 165 RH-4-3B AC-3 HB-1 2.9 140 58 78 .04 .6 165	- 김 사람은 김 사람이 나는 것은 것이 같아요. 그는 것이 가지 않는 것이 같아요. 이 가지는 것은 것이 같아요. 이 가지는 것이 같아요. 이 가지 않는 것이 않는 것이 않는 것이 않는 것이 같아요. 이 가지 않는 것이 않 않는 것이 않는 것이 않는 것이 않는 것이 않는 것이 않는 것이 않는 않는 것이 않	
	R-8 AC-8 HL-1 35,000 3/4 1690 380 6.8 B SWS1 AAF 600A 10	RH-6-2 2 HL-2 6.0 400 58 74 .12 .6 165 .05 0.7 4 14-64 1 4	RH-5-3B AC-3 HB-1 3.9 250 58 73 .09 .6 165 RH-6-3B AC-3 HB-1 8.0 460 58 74 .10 .6 165	.04 .50 4 .1*-0" 1 1 MP	
	R-9 AC-9 HL-1 16 500 1 1770 610 4.3 B SWS1 AAF 402A 7-1/2	RH-7-2 2 HL-2 3.0 200 58 74 .06 .6 165 .04 0.5 4 14-04 1 1 MP RH-8-2 2 HL-2 24.2 1600 58 74 .15 3.0 165 .42 2.3 10 24-04 1 2 MP	RH-7-3B AC-3 HB-1 8.0 460 58 74 .10 .6 165	.06 .80 4 11-9 ¹⁴ 1 1 MP	
· · · · · · · · · · · · · · · · · · ·	R-10 AC-10 HA-5 14,500 3/4 1550 530 2.7 B SWSI AAF 402A 5 E-1 EQUIP. RM. HA-5 13,000 1/2 1040 340 1.3 B SWSI AAF 445 2	RH=9-2 2 HL=2 3_0 200 58 72 .06 .6 165 .04 0.5 4 15 0 1 1 MP RH=10-2 2 HL=2 90.0 5200 58 7 74 .15 13_8 165 .8 8.3 21 3* 64 1 HALF. CH	RH-8-3B AC-3 HB-1 8.0 460 58 74 .10 .6 165 RH-9-3B AC-3 HB-1 8.0 460 58 74 .10 .6 165	· · · · · · · · · · · · · · · · · · ·	
	E-2 EQUIP, RM, HL-1 10,000 1/2 1070 380 1.2 B SWST AAF 402 2	RH-11-2 2 HL-2 24,2 1600 58 72 15 2.4 165 7 2.3 8 24-64 1 HALF. CH FOR CONT. OF AHU. Nº 2 RHC'S SEE DWG. HM-2.	RH-10-38 AC-3 HB-1 3.9 250 58 73 09 6 165	_04 _50 4 1 ⁻¹ -0" 1 1 MP	
	E-3 THLASC TOTLETS HL-2 6,660 3/4 1290 670 1.3 B SWS1 AAF 300 2 E-4 THLB TOTLETS HL-1 2,420 3/4 1275 960 .4 B SWS1 AAF 182 3/4	RH-1-3A 3 HA-2 5.2 330 58 72 10 6 165 05 60 4 1-34 1 MP	BH-11-3B AC-3 HB-1 2.6 130 58 77 .04 .6 165 RH-12-3B AC-3 HB-1 2.6 110 58 80 .03 .6 165	-04 -50 4 -1*-0** 1 1 MP	
	E-5 TRANSFORMERS RM, HL-1 15,000 1/2 - 1150 2.9 D A.V. JOY 838-17 5	RH-2-3A 3 HA-2 2.1 130 58 73 .04 .6 165 .04 .50 4 11-01 1 1 MP RH-3-3A 3 HA-2 1.6 100 58 73 .03 .6 165 .04 .50 4 11-01 1 MP	RH-13-38 AC-3 HB-1 2.6 110 58 80 .03 .6 165 RH-14-38 AC-3 HB-1 115.6 5,000 58 80 .14 10 165		
	E-8 LAGNORT HL-1 900 1 2100 1090 .37 B C 11G MH10D9 7/2 E-7 TH.A STAGE HL-5 7,000 3/8 505 B R SWARTWOUT 431FCB 1-1/2	RH-4-3A 3 HA-2 7.7 470 58 73 12 6 165 06 80 4 1 +94 1 1 MP RH-5-3A 3 HA-2 1.6 100 58 73 03 6 165 04 50 4 1 +04 1 1 MP	RH-1-3C AC-3 HC-2 4.1 190 58 78 .06 .6 165 RH-2-3C AC-3 HC-2 3.6 160 58 79 .04 .6 165	04.5 4 1 ⁻¹ -0 ¹¹ L 1 MP	
	E-8 TH.A PROJECTION HL-5 2,000 1/4 870 B R SWARTWOUT 316FCB 1/3 E-9 TH.A FOLLOWSPOT HL-5 600 1/4 1050 B R SWARTWOUT 110FCB 1/8	RH-6-3A 3 HA-2 2.1 130 58 73 .04 .6 165 .04 .50 4 1*-0** 1 1 MP	RH-3-3C AC-3 HC-2 2.7 130 58 77 .04 .6 165	.04 .5 4 1 ⁴ -0 ⁴ 1 1 MP	
	E-10 TH.8 STAGE HL-5 4,600 3/8 470 B R SWARTWOUT 331FCB 1	RH-7-3A 3 HA-2 6.5 400 53 73 .07 .9 165 .16 .90 6 1+-3* 1 1 MP RH-8-3A 3 HA-2 2.1 130 58 73 .04 .6 165 .04 .50 4 .1 ¹ -0* 1 1 MP		.04 .5 4 1 ¹ -0 ¹¹ 1 T MP .04 .5 4 1 [*] -0 ¹⁴ 1 T MP	
	E-11 TH_B FOLLOWSPOT HL-5 1,000 1/4 400 B R SWARTWOUT 212ECB 1/6 E-12 CENT. PROD. TOILETS HL-5 4,245 3/4 575 B R SWARTWOUT 528FCB 1-1/2	RH-9-3A 3 HA-2 6.5 400 58 73 .07 .9 165 .16 .90 6 11-3" 1 1 MP RH-10-3A 3 HA-2 2.1 130 58 73 .04 .6 165 .04 .50 4 14-04 1 1 MP	RH-6-3C AC-3 HC-2 7.4 470 58 73 1 .6 165 RH-7-3C AC-3 HC-2 7.4 470 58 73 .11 .6 165	같은 사람에 걸렸다. 그 것은 것은 것은 전에는 지지않는 것이라는 것이 같은 것은 가장에 생각하는 것이 가지?	D AVIAN DE DE P
	E-13 TH_C STAGE HL-5 3,800 3/8 720 B R SWARTWOUT 522FCB 3/4 E-14 TH_C FOLLOWSPOT HL-5 1,100 1/4 1590 B R SWARTWOUT 310FCB 1/4	RH-11-3A 3 HA-2 2.1 130 58 73 .04 .6 165 .04 .50 4 .1 ⁴ -0 ⁴⁴ 1 1 MP	RH-8-3C AC-3 HC-2 7.4 470 58 73 11 .6 165	.06 .8 4 11-9 ⁴⁴ 1 1 MP	In the second
	E-15 TH.C TOILETS HL-5 250 1/4 1550 D R SWARTWOUT 26FC 1/25	RH-12-3A 3 HA-2 1.6 100 58 73 .03 .6 165 .04 .50 4 11-04 1 1 MP RH-13-3A 3 HA-2 7.7 470 58 73 .12 .6 165 .06 .80 4 11-94 1 1 MP	RH-9-3C AC-3 HC-2 7.4 470 58 73 .1 .6 165 RH-10-3C AC-3 HC-2 4.1 270 58 72 .06 .6 165	이 방법을 가지 않는 것이 같아요. 이 것 같은 것이 같아요. 이 가지는 것을 가지 않는 것이 가지 않는 것이 같아.	
en honor en se	E-16 TH_A SHOP HA-5 3,500 1 2000 2180 .98 B T ACME H18J 1 SPARK PROOF CONSTR- EXPLOSION PROOF MOTOR E-17 TH_A EMER_VENT HA-6 50,000 1/2 875 D DEBOTHEZAT 8L-4833 25 HIGH TEMP.CONST.	RH-14-3A 3 HA-2 1.6 100 58 73 .03 .6 165 .04 .50 .4 1 ³ -0 ⁴⁴ 1 I MP RH-15-3A 3 HA-2 2.1 130 57 73 .04 .6 165 .04 .50 4 1 ³ -0 ⁴⁴ 1 MP	RH-11-3C AC-3 HC-2 4.1 270 58 72 .06 .6 165 RH-12-3C AC-3 HC-2 2.7 130 58 77 .04 .6 165	이 같이 같이 물질을 통하는 것이 같은 것을 물질을 다 있다. 이 물질을 가 들었다. 것이 가지 않는 것은 것이 같이 같이 많이 많다. 것이 같이 많은 것이 같이 많이 많다. 것이 같이 많은 것이 하는 것이 같이 없다. 것이 같이 많은 것이 없다. 것이 같이 많은 것이 없다. 것이 없는 것이 없다. 것이 없는 것이 없다. 한 것이 없는 것이 없다. 것이 없는 것이 없다. 것이 없는 것이 없다. 것이 없는 것이 없다. 것이 않	PE W SE
	E-18 TH. B EMER. VENT HB-4 39,000 1/2 875 D DEBOTHEZAT 8L-4823 15 HIGH TEMP. CONST.	RH=16=3A 3 HA=2 5.8 370 58 73 .10 .6 165 .05 .70 4 11-64 1 1 MP	RH-13-3C AC-3 HC-2 2.7 130 58 77 .04 .6 165	.04 .5 4 1 ¹ -0 ¹⁴ 1 1 MP	N J
	E-19 TH.C EMER, VENT HC-5 39,000 1/2 875 D DEBOTHEZAT 8L-4823 15 HIGH TEMP. CONST.	RH-18-3A 3 HA-2 9.1 600 58 72 .12 .9 165 .18 1.10 6 11-6" 1 1 MP	RH-14-3C AC-3 HC-2 2.7 130 58 77 .04 .6 165 RH-15-3C AC-3 HC-1 42.4 2.400 58 75 .12 5.0 .165	.24 4.0 12 31-0" L FULL CH	СБРВ
	NOTES: SEE SPEC. FOR CLASS, ARRANGEMENT, MOTOR DATA, ETC. SEE DWGS, FOR ROTATION, DISCHARGE POSITION, MOTOR POSITION,	RH-19-3A 3 HA-2 3.0 200 58 72 .06 .6 165 .04 .50 4 1 ⁺ -0 ^H 1 1 MP RH-20-3A 3 HA-2 3.0 200 58 72 .06 .6 165 .04 .50 4 1 ⁺ -0 ^H 1 1 MP	RH-16-3C AC-3 HC-1 56,2 3,200 58 75 .13 5.0 165	.21 5.0 15 31-01 1 FULL CH	A
dala kato tana da anta	APPROXIMATE DIMENSIONS, ETC. S.P. IN INCHES W.G. O.V. = OUTLET VELOCITY, D= DIRECT, B = BELT	RH-21-3A 3 HA-2 2.6 170 58 72 .05 .6 165 .04 .50 4 1 ⁻⁰⁴⁴ 1 1 MP RH-22-3A 3 HA-2 1.5 100 58 72 .04 .6 165 .04 .50 4 1 ⁻⁰⁴⁴ 1 1 MP			sc NO

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SPECIAL APPLICATION SYMEOLS ASSEMBLY (SEE DRAWINGS HL-1, 2 & 3 FOR LOCATIONS. 3 FOR DETAIL). LL CONNECTIONS (INCLUDING PUMP & VALVES), SEE DRAWING HM-3 & PUMP SCHEDULE ON DRAWING HM-2, L CONNECTIONS (INCLUDING VALVING). ON DRAWING HM-3. (INCLUDING VALVING & CONNECTIONS), SEE -3 & SCHEDULE ON DRAWING HM-2. CTWORK FROM SYMBOL TO 12" OUTSIDE OF MECH. EQUIP. RM. ON DRAWING HM-3. STATE UNIVERSITY OF NEW YORK COLLEGE AT NON FUNCTION STATE UNIVERSITY CONSTRUCTION FUND project number 2920 PERFORMING ARTS CENTER EDWARD LARRABEE BARNES F.A.I.A. architect PETER G. ROLLAND landscape architect WEISKOPF AND PICKWORTH consulting engineers SEGNER AND DALTON consulting engineers BOLT BERANEK AND NEWMAN acoustical consultants EQUIPMENT SCHEDULES 8 SYMBOL LIST PAC HM-DATE: SCALE: NO SCALE 16,MAY 72 a statistic sector and a statistic sector and a sector sector sector sector and a sector sector sector sector a

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			CAN SOUGHINE	
		SYMEOL LIST	FAN SCHEDULE	FILTER SCHEDULE (AMERICANEAIR FILTER AS STANDARD)
	HTŴF	HICH TEMPERATURE WATER FLOW	SEE FAN SERVICE OR DWG, TOTAL OV FAN DRIVE STAND, MODEL MOTOR NO. A.C. UNIT NO. NO. CFM S.P. FPM RPM BHP D.OR.B. TYPE MFR NO. H.P. C.S. NOTES	
	HTWR	HICH TEMPERATURE WATER RETURN		FILTER NO. SERVICE CFM MODEL
	LTWF	LOW TENPERATURE WATER FLOW	S-1 AC-1 K-7 44,000 37/8 2145 722 33.5 B CENT. BUFFALO BL890 40 G	F-1 AC-1 42,000 V-10-100
	LTWR	LOW TEMPERATURE WATER RETURN	R-1 AC-1 H-7 32,800 11/4 1675 1150 9.3 D AX1- JOY 48-21 15 Q 1/2 BLADED VANE	
		CHILLED WATER FLOW	E-1 TOTLET EXH. H-6 2,500 1/2 - 780 0.5 B ROOF SWARTOUT 419FCB 3/4 H WITH F-4 CURB	PUMP SCHEDULE
	CHR	CHILLED WATER RETURN	E-2 TOILET & SHOWERS H-7 1,800 3/4 1400 609 - B UTILITY TRANE 15H3 FC /3 G	PUMP SERVICE LOCATION TOTAL WATER OPERAT,
	LPS	LOW PRESSORE STEAM (C-15 PSIG)	E-3 SWITCHGEAR RM. H-2 1,800 1/2 1400 523 - B UTILITY TRANE 1562 FC 1/4 G E-4 PUMP ROOM H-2 2,500 1/2 1600 498 - E UTILITY TRANE 16K4 FC 1/2 H	NO. SEE DWG. GPM HEAD TEMP. COND. BHP.
	Second and the second	그는 그는 아이는 것이 같은 것이 같은 것이 같이 같이 많이		P-1 CHILLED WATER H-7 280/184 70/30 60 C 7.5
		VENT TO ATMOSPHERE	NOTES: SEE SPEC FOR CLASS, ARRANGEMENT, MOTOR DATA, ECT. SEE DWGS. FOR ROTATION, DISCHARGE POSITION, MOTOR POSITION APPROXIMATE DIMENTIONS, ECT. SP. IN INCHES W.G. OV. OUTLET VELOCITY, D, DIRECT, B, BELT.	
		DRAIN LINE		P-2 CHILLED WATER H-7 280/184 70/30 60 C 7.5
	P D	PIPE TO & SPILL OVER NEAREST FLOOR DEALN	COIL SCHEDULE (DERDEN AS STANDARD)	P-3 LOW TEMP. WATER H-7 310 60 165 C 8.5
	C W	COLD WATER MAKE-UP		P-3 LOW TEMP. WATER H-7 310 60 165 C 8.5
		COMPRESSED AIR		P-4 LOW TENP. WATER H-? 310 60 165 C 8.5
	· · ·	DIRECTION OF FLOW	ANR DATA WATER DATA COTI DATA COLL TOTAL ENT, LEAV. ERICTION TOTAL ENT. P.D. FACE TUBE TUBE ROWS CIRCUIT TYPE NOTES	
		PITCH PIPE UP IN DIRECTION OF ARROW	NO. MEH CFM DE/WE DE/WE IN WEG. GPM WATER IN FT. AREA FACE LENG. TEMP. SQ.FT.	P-5 MAKE-UP WATER H-7 6 46 60 1 -
		GATE VALVE	RH1 28.5 1180 58 80.4 .07 3.0 165° 0.5 2.60 10 2°-3" 1 2 MP	
		GLOBE VALVE CALVESTING AND		NOTES: OPERATING CONDITION: C-CONTINUOUS I=INTERMITTENT, W=WORTHINGTO
			,我们就是我们一次,我们就是你们的,我们就是你们的,我们就是你们的,你们就是你们的你们,你们就是你们的?""你们,你们不是你们的?""你们,你们还不是你们的,你们 我们们的你们就是我们的你们,你们们还不是你们的?""你们,你们们们们们们们们,你们们们们们们们们们们们们们们们们们们们们们们们们	BM-BASE MOUNTED,
		FLOW SWITCH	CC2 160.0 4200 82.5/68.3 58/56.5 .40 23.0 449 10.0 8.9 12 6*-6" 4 1/2 C	
		그는 것 같은 것 같	CC3 585.2 15300 82.5/68.3 58/56.5 40 84.0 44° 25.0 31.2 27 10'-0" 4 1/2 C 2 TIER COIL	EXPANSION TANK SCHEDULE (BELL & GOSSETT AS STANDARD)
		AUTOMATIC VALVE - 2 WAY	PHC1 1500.0 42000 2 35 .26 75.0 1650 2.5 62.4 64 104-01 2 1/2 CH 3 TIER COTL	AIRTROL ROL NG. GALLONS SIZE FITTING AIF
		AUTOMATIC VALVE - 3 WAY	RH2 4.1 270 58 72 .074 .6 165° C.1 .6 4 1'-3" 1 1 MP	
		SWING CHECK VALVE	RH3 12.9 540 58 80.1 12 1.04 165° 0.2 .90 6 1'-3" 1 1 MP	XT-1 60 .16-1/4" DIAM X ATF-16 F 76-1/2" LG
	inconservation - June and a constantion of the	SILENT CHECK VALVE	RH4 4.1 200 58 77.1 .06 .165° c.1 .50 4 1'-0" 1 1 MP	
	LD, C-1500	LINEAR DIFFUSER, TITUS C-1500	RH5 5.4 285 58 75.5 .10 .6 165° 0.1 .50 4 1'-0" 1 MP	HTW-ITW HEAT EXCHANGER SCHEDULE (YULA AS STANDARD)
		COMBINATION BALANCE & SHUT-OFF VALVE (SEE SPEC.)	RH6 4.1 200 58 77.1 .06 .6 165°50 4 1'-0" 1 1 MP	TUBE SIDE SHELL SIDE UNHT WORKING
	united to the second se	STRAINER WITH BLOW OFF VALVE PIPED TO NEAREST FLOOR DRAIN OR	RH7 4.1 200 58 77.1 .06 165° c.1 .50 4 1'-0'' 1 1 MP	NO. MBH EWT OF LWT OF GPM PD PRESSURE EWT OF LWT OF GPM PE
	* i	DRAIN TROUGH		HX-1 4200. 390 240 61 1.9 500 138 165 310 2
		GAUGE COCK		
		PRESSURE GAUGE WITH COCK	RH9 5.4 285 58 75.5 .10 .6 1650 0.1 .50 4 14-01 1 1 MP	HUMIDIFIER SCHEDULE
	• • • • • • • • • • • • • • • • • • •	UNION	RH10 44.0 1540 58 84.7 12 4.2 165° 0.8 2.60 10 2'-3" 1 2 MP	HUMIDIFIERTOTALMODELORIFICENO,SERVICELBS/HRNO,SIZE
		CAPPED END OF PIPE	RHII 3.24 160 58 76.7 .05 .6 165° 0.1 .50 4 1'-0" 1 1 MP	
		FLANGED END OF PIPE OR CONNECTION TO EQUIPT.	RH12 25.4 1335 58 75.6 .15 2.4 165° 0.3 1.9 8 2'-0" 1 2 MP	H-1 AC-1 600 AMR-34D-M 1
	(\$)Po	RELIEF VALVE: PIPED TO NEAREST DRAIN	RH13 62.5 2100 58 85.8 .072 7.5 155 0.8 4.7 12 3'-6" 1 1 CH	H-2 AC-1 - 600 AMR-34D-M I
		MANUAL AIR VENT WITH COCK	RH14 62.5 2100 58 85.8 .072 7.5 165° 0.8 4.7 12 3'-6" 1 1 CH	
WWWING		THERMOMETER	RH15 10.7 585 58 75 25.135 .97 165° .16 .83 6 1'3" 1 1 MP	
		THERMOMETER WELL	RH16 116.8 2300 58 105 .26 17.4 165° 1.0 3.3 12 2'-6" 1 1 CH	NOTES: 1. 10 PSIG STEAM SUPPLY PRESSURE 2. PROVIDE MANIFOLD SUPPORTS FOR ALL UNITS.
	ana ana amin'ny sorana amin'ny fisiana	VACUUM BREAKER		3. PROVIDE MANIFOLD PIPE ADAPTERS WHERE REQUIRED.
			RH18 42.7 1430 56 85.7 .09 4.0 165° 0.9 2.9 10 2'-6" 1 2 MP	EXPANSION JOINT SCHEDULE
				JOINT NO. SERVICE INCHES PRESSURE TEI
	· ···· · Same and WTK and and and a	WATER TREATMENT RIG	RH19 10.15 500 58 76.7 .11 .9 165° 0.2 .90 6 11-3" 1 1 HP	PSIG G
	understanden in der Sterner in der S	PIPE ANCHOR AND GUIDES	RH20 111.4 585 58 76 .13 .9 1650 0.2 .90 6 11-3" 1 1 MP	EJ-1,2 HTW 3 500 400
and the second sec	-	MOTOR A SECOND	RH21 10.15 500 58 76.7 .11 .9 165° o.2 .90 6 13-3" 1 1 MP	EJ-3,4 CHW 8 150 4
		SUPPLY DUCT UP, DN,	RH22 11.4 585 58 76 .13 .9 165° o.2 .90 6 11-3" 1 1 MP	EJ-5 LPS 3 150 26
		RETURN DUCT UP, DN. (OR EXHAUST)	RH23 7.1 350 58 77 .09 .6 165° o.f .70 4 13-6" 1 1 MP	EJ-6,7,11, 12 HTW 3 500 400
	28"×6"}	DUCT (8" HORIZ, DIM × 6" VERT, DIM,)	RH24 26.7 1065 58 81.2 .C7 1.2 165° c.6 2.30 8 2'-6" 1 1 MP	EJ-8, 9, 13, 14 CHW 8 150 4
		SET DUCT UP IN DIRECTION OF ARROW		EJ-10. 15 LPS 3 150 26
	CD	CEILING DIFFUSER	RH25 900.0 22500 58 95 .24 54.0 165 1.0 33.8 42 7'-0" 2 1 CH 2 TER LOTE	EJ-16, 17 HTW 4 500 400
1 12	G ** the	S" NECK OF CD		
	2W(3W)	2 WAY OR 3 WAY CD BLOW		EJ-18, 19 CHW 12 150 4
			SOUND ATTENUATOR SCHEDULE (INDUSTRIAL ACOUSTICS AS STANDARD)	EJ-20 LPS 6 150 269
3	12"×12"	CEILING OPENING OF CD	OVERALL OCTAVE AHU AREA SIZE (IN) P.D. DYNAMIC INSERTION LOSE DB	
		SO DEC, BLANK OFF ON CD	NO. MODEL NO. SQ.FT H W L CFM IN. W. G.2 3 4 5 6 7 8 REMARKS	
		TURNING VANES	SA-1 JL-7 AC-1 42 72 84 84 42,000 .06 16 19 29 42 47 36 28	
		FLEXIBLE DUCT CONNECTION	SA-2 JL-7 AC-1 40 96 60 84 21,000 .06 16 19 29 42 47 36 28	
		SPLITTER DAMPER	SA-3 JL-7 AC-1 24 96 36 84 12,000 106 16 19 29 42 47 36 28	4
		ACCUSTICALLY LINED DUCT BETWEEN SYMBOLS OR FROM SYMBOL TO AIR HANDLING UNIT.	SA-4 JL-7 AC-1 24 48 72 84 33,000 .12 14 18 28 41 46 35 26	
		그는 것이 같은 것이 같은 것이 가지 않는 것이 같은 것이 있는 것이 많은 것을 가지 않는 것을 수 없다.	SA-5 11-7 AC-1 24 48 72 84 33,000 12 14 18 28 41 46 35 26	
		VOLUME EXTRACTOR	54-6 71-7 2-3 35 12 42 84 1800 16 16 19 29 42 47 36 28	
		DAMPER IN DUCT TYPE AS NOTED	SA-7 IL-7 E-4 4.0 12 48 84 2500 .06 16 19 29 42 47 36 28	
	SLO	SELF-ACTING LOUVER DAMPER (COUNTER WEIGHTED & BALANCED)	UNIT HEATER SCHEDULE - (MODINE AG STANDARD) AIR WATER	
	ALD	AUTOMATIC LOUVER DAMPER (MOTOR OPERATED)	UNIT AREA LOCATION ENT. MODEL MOTOR MOTOR	
	V B.	VOLUME DAMPER		
	FLO	FUSIBLE LINK DAMPER WITH ACCESS DOOR	UN-1 STAIR 1 2 36.0 620 60 6.0 1.4 C CW-6 CLG. 1/20 1090 E MTD.	
	OAI	OUTSIDE AIR INTAKE	UH-2 STAIR 1 5 36.0 620 60 6.0 1.4 C CR-6 RECESSED 1/20 1090 E	
	AD	ACCESS DOOR	UH-3 STAIR 3 37.5 620 60 6.0 1.4 C CR-6 RECESSED 1/20 1090 2	
	CR, CG	CEILING REGISTER, GRILLE	UH-4 STAIR 3 5 37-5 620 60 6.0 1.4 C CR-6 RECESSED 1/20 1090 E	
	BR, BG	BOTTOM REGISTER, GRILLE	UH-5 STAIR 4 3 37.5 620 60 6.0 1.4 C CR-6 RECESSED 1/20 1090 E	
	TR, TG	TOP REGISTER, GRIELE	UH-6 STAIR 4 5 37.5 620 60 6.0 1.4 C CR-6 RECESSED 1/20 1090 E	
	FR, FG	FLOOR REGISTER, GRILLE		
	- Landau (1995)	LOUVER DOOR ONE SQUARE FOOT GROSS AREA (50% FREE AREA) BY G.C.	UH-7 ELEV. LOBBY 2 7.3 140 60 1.5 0.2 C CW-2 CLG. 1/33 650 E 102 MTD.	
	· · · · · · · · · · · · · · · · · · ·	UNDERCUT DOOR BY G.C.	UH-8 ELEV. LOBBY 3 19.0 350 60 5.0 0.9 C CR-4 RECESSED 1/25 850 E	
	i an l	PUMP NO. T		
	AC-1	AIR CONDITIONING UNIT NO. 1	UH-9 ELEV. LOBBY 4 14.0 350 60 2.87 0.5 C CR-4 RECESSED 1/25 850 E 301	
	freed are g	HUMIDIFIER NO. 1	UH-10 ELEV LOBBY 5 14.0 350 60 2.87 0.5 C CR-4 RECESSED 1/25 850 E	
	2-1	RETURN FAN NO. 1	401	
		EXHAUST FAN NO. 1	UH-11 ELEV. LOBBY 6 20.0 350 60 5.0 0.9 C CR-4 RECESSED 1/25 850 E	
		에는 것이 있는 것이 있는 같이 같이 있는 것이 같이 있는 것이 있		
	UH-1	UNIT HEATER NO. 1	UH-12 FAN ROOM \$ 7 10.6 363 60 1.8 0.9 P HS-100 HORIZ. 1/3 1625 F	
	PH-1	PREHEAT COTL NO. 1	UH-13 LOWER LOBBY 2 41.0 620 60 3.0 0.6 C CW-6 CLG. 1/20 1090 E MTD	
	RH-1	REHEAT COLLING, 1	UH-14 LOWER LOBBY 2 41.0 620 60 3.0 0.6 C CW-6 CLG. 1/20 1090 E	
	CC-1	COOLINE CONLINO, 1	MTD	
	= FWCP-1	FACTORY WIRED CONTROL PANEL NO. 1	UH-15 UPPER LOBBY 3 41.0 620 60 3.0 0.6 C C-6 FREE 1/20 1090 E	
	Second Se	FLOW METERING VENTURI	STAND. 1720 1090 Contraction of the second	
	WMS.	WIRE MESH SCREEN	UH-16 UPPER LOBBY 3 41:0 620 60 3.0 0.6 C C-6 FREE	
		FLEXIBLE DUCTWORK	UH-17 STORAGE 6 36 0 620 620 620 6 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
		AUTOMATIC AIR VENT WITH COCK - PIPEL TO NEATECT DRAIN	UH-17 STORAGE 6 36.0 620 60 6.0 1.4 C CR-6 RECESSED 1/20 1090 E	
	and a set of the second s		UH-18 LOWER LOBBY 2, 41.0 620 50 3.0 0.6 C CW-6 CLG. 1/20 1090 E	
	4 Ø M.O.	4 SQUARE FEET MASONRY OPENING BY G C. LOCATED ABOVE CELLING	UB319 PUNP ROOM 7 4.7 237 60 1.3 0.5 P H5-75 HORIEL V85 1625 F	
		PREFABRICATED PANEL (SEE SPEC.)		
		19 5H DEEP 20" HIGH, 20" WIDTH CAP, 1.9 MBH CONVERTOR	NOTES - ENT. WATER TEMP. 165° F.; WATER PRESSURE DROP IN FT. W.G.; C=CABINET, P=PROPELLER	
and the second	An and a second s	ALUMINUM DUCT		
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