HVAC SYMBOLS LIST												
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		SYMBOL	DESCRIPTION		SYMBOL	DESCRIPTION	
AAD	AUTOMATIC AIR DAMPER	p	CONNECTION - TOP		DOUBLE WALL LINED DUCT		24812		14	F	ELECTRIC/PNEUMATIC SWITCH OR RELAY	
ACC	AIR-COOLED CONDENSING UNIT		CONNECTION - BOTTOM	20/10	DUCT SECTION - SUPPLY			SUPPLY / RETURN /	N 1-1/2 TIMES BRANCH SIZE	PE	PNEUMATIC/ELECTRIC SWITCH OR RELAY	
AD			DIRECTION OF FLOW	20/10	DUCT SECTION - RETURN/EXHAUST			EXHAUST AIR TAKEOFFS	₹₹ 12X10	СТ	CURRENT TRANSDUCER	
			REDUCER		DUCT SECTION - ROUND DUCT IN INCHES		1			$\overline{\otimes}$	OPEN/CLOSED	
BBD	BOILER BLOW DOWN		CAP OR PLUG		DUCT SECTION - FLAT OVAL DUCT IN INCHES					$\overline{\otimes}$	START/STOP	
BD	BACKDRAFT DAMPER	с і —	ELBOW DOWN		ACOUSTIC THERMAL LINING		24X12	SUPPLY / RETURN /	TI-1/2 TIMES BRANCH SIZE		ENABLE/DISABLE	
CA	COMPRESSED AIR	ю	ELBOW UP		FLEXIBLE DUCTWORK			EXHAUST AIR TAKEOFFS	× 0,8	$\overline{\nabla}$	TEMPERATURE SENSOR (DUCT OR PIPE MOUNTED)	
CD	COOLING COIL CONDENSATE DRAIN		· TEE OUTLET - UP				-		VD	v ₩	HUMIDITY SENSOR (DUCT MOUNTED)	
CFM			TEE OUTLET - DOWN		FLEXIBLE CONNECTION				P7		FLOW TRANSMITTER	
		<u>├</u> ────				<u>+ + + + + + + + + + + + + + + + + + + </u>		SUPPLY AIR			PRESSURE TRANSMITTER	
CR	CONDENSER WATER RETURN	· · ·	GATE VALVE		FIRE DAMPER			TAKEOFFS			DIFFERENTIAL PRESSURE TRANSMITTER	
CS	CONDENSER WATER SUPPLY	<u> </u>										
CW	DOMESTIC COLD WATER	<u> </u> ⊗	BALANCING VALVE		SMOKE DAMPER				P		ELECTRIC/ELECTRONIC TRANSDUCER	
D	DRAIN		STRAINER					SUPPLY AIR			DUCT SMOKE DETECTOR	
(E)					COMBINATION FIRE AND SMOKE DAMPER			TAKEOFFS			SPACE THERMOSTAT	
EC	ELECTRICAL CONTRACTOR		STRAINER WITH BLOW-DOWN	(ð					SPACE TEMPERATURE SENSOR	
EF	EXHAUST FAN	 			VOLUME DAMPER				1		SPACE CARBON DIOXIDE SENSOR	
ERHC	ELECTRIC REHEAT COIL		BUTTERFLY CONTROL VALVE,		DAMPER CONTROL, PARALLEL BLADE		24X12		24X12			
ETR	EXISTING TO REMAIN		PNEUMATIC 2-WAY BUTTERFLY CONTROL VALVE,					SUPPLY AIR TAKEOFFS		CH4		
EUH					DAMPER CONTROL, OFFOSED BLADE		20X12		20X12			
F&I	FAN-COIL UNIT			┨	AUTOMATIC AIR DAMPER				1-4-1	VG		
FPM	FEET PER MINUTE						24X12	SUPPLY/RETURN				
FT	FIN-TUBE					AAD		TAKEOFFS W/		 ₽ ∕		
GC	GENERAL CONTRACTOR				BACK DRAFT DAMPER			REGISTER/GRILLE/ DIFFUSER				
GR	GLYCOL RETURN			BDD		• BDD						
GS		Ψ	LOUVERED DOOR W/ SQ. FT. OF FREE AREA		BLAST GATE			SUPPLY/RETURN			VARIABLE SPEED / FREQUENCY DRIVE	
HHWR	HEATING HOT WATER RETURN	Ť [™]		BG		BG		EXHAUST AIR				
HHWS	HEATING HOT WATER SUPPLY	- - Ť ^		20/10		12X10		BRANCH TAKEOFFS				
НР	HEAT PUMP		FLANGE	12X10	AIR DUCT (FIRST FIGURE IS DUCT WIDTH/TOP,	L 12X10						
НРС	HIGH PRESSURE CONDENSATE		CONTROL/SOLENOIND VALVE, ELECTRIC 2-WAY		SECOND FIGURE IS DUCT DEPTH)			SUPPLY/RETURN			HUMIDIFIER	
HPS		<u>₩</u>	CONTROL VALVE, ELECTRIC 3-WAY	10/20 -7		10/20 7	<u> </u>		ke l		ALARM	
LPC		×	CONTROL VALVE, PNEUMATIC 2-WAY					BRANCH TAKEOFFS			STATUS	
LPG	LIQUEFIED PROPANE GAS		CONTROL VALVE, PNEUMATIC 3-WAY	<u>کہ</u> ا	MULTI-BLADE AIR EXTRACTOR				₩ 		FLOW SWITCH	
LPS	LOW PRESSURE STEAM		RELIEF / SAFETY VALVE	- <u> ``+</u>			-1 γ		ГТ			
МВН	1,000 BTU/HR							90° ELBOW			RELAY	
MC			PRESSURE REDUCING VALVE		POINT OF CONNECTION			K/W=1.5			PRESSURE GAUGE	
MPC	MEDIUM PRESSURE CONDENSATE	¥⊻	VACUUM BREAKER		POINT OF DISCONNECTION		-				FREEZE-STAT	
MRD	MONOFLO FITTING DOWN – HHWR		FLEXIBLE PIPE CONNECTOR		AIR FLOW SENSOR						DIGITAL INPUT (TO BUILDING MANAGEMENT SYSTEM)	
MSD	MONOFLO FITTING DOWN – HHWS		EXPANSION COMPENSATOR W/ GUIDES	K N	FILTER			45° ELBOW			DIGITAL OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)	
MUW	MAKE-UP WATER		EXPANSION JOINT		TRANSITION SQUARE TO ROUND			K/W=1.5			ANALOG OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)	
NC		X	PIPE ANCHOR								ANALOG INPUT (TO BUILDING MANAGEMENT SYSTEM)	
NG			PIPE GUIDE	- 3	HUMIDIFIER DISPERSION TUBE			90° FLBOW	тЧ			
NTS	NOT TO SCALE							WITH TURNING				
OA	OUTSIDE AIR		FLOAT & THERMOSTATIC TRAP		RISE IN DUCT			VANES		SF	SPEED FEED BACK	
PC	PLUMBING CONTRACTOR		BUCKET TRAP				-			ES	END SWITCH	
PD					DROP IN DUCT		18X16 - 18X8	90 VERTICAL	18X8-	PF	POSITION FEEDBACK	
PHWS			THERMOMETER					SPLIT OFF		~	TRAVERSE AVERAGING SENSOR	
RA	RETURN AIR				SQUARE CEILING DIFFUSER (4 WAY)						PROBE SENSOR	
RD	REFRIGERANT DISCHARGE		PRESSURE GAUGE		ROUND CEILING DIFFUSER		20810 20810			<u> </u>	FREEZE STAT SENSOR	
RHC	HOT WATER REHEAT COIL		STEAM PRESSURE GAUGE WITH 1/4" NEEDLE VALVE		SQUARE OR RECTANGULAR CEILING GRILLE			DUCT TURNING	20X10			
RLL					SUPPLY REGISTER, RETURN OR EXHAUST GRILLE							
RSL			PRESSURE GAUGE		SUPPLY DIFFUSER. 1-WAY, 2-WAY, 3-WAY			U - UNIT TYPE MAX = MAXIMIM CFM				
RV	ROOF VENT	Y	WITH 1/4 NEEDLE VALVE	1-WAY 2-WAY 3-WAY								
SA	SUPPLY AIR			8"Ø, D-3	CEILING DIFFUSER WITH NECK SIZE, TYPE, & CFM			U - UNIT TYPE GPM = GALLONS PER N	IIN			
SHWR	SECONDARY HEATING HOT WATER RETURN]I	AND MANUAL OPERATORS	300 CFM				MAX = MAXIMUM GPM	1			
SHWS		XX			CEILING RETURN OR EXHAUST GRILLE WITH SIZE, TYPE, & CFM		MAX					
SSI SSO	SPLIT STSTEM INDOOR SECTION (EVAPORATOR SECTION)		PIPING BELOW GRADE	300 CFM	, _,		U MIN FAN	MAX = PRIMARY MAX (MIN = PRIMARY MIN CF	CFM M			
TC	TEMPERATURE CONTROLS CONTRACTOR		BASE MOUNTED PUMP	10"x8", R-2	SUPPLY REGISTER WITH SIZE, TYPE, & CFM			FAN = FAN CFM				
UH	UNIT HEATER			000 01/m	, _,		TYPE	TYPE = VALANCE TYPE	ru –			
UV	UNIT VENTILATOR		AIR TERMINAL UNIT WITH REHEAT COIL AND SOUND	10"x8", G-2 300 CFM	RETURN OR EXHAUST GRILLE WITH SIZE. TYPE. & CFM		CUIL SIZE CLNG GPM HTNG GPA4	COIL SIZE = COIL LENG	in G GPM GPM			
v	VENT		ATTENUATOR	, <u> </u>	, _,							
WAHP	WATER-TO-AIR HEAT PUMP		AIR TERMINAL UNIT WITH SOUND ATTENUATOR		AIR FLOW			X = DIFFUSER OR GRILL	L TYPE			
wwhP				<u> </u>	ACOUSTIC/THERMAL DUCTWORK LINING - 1 INCH THICK							
				L2	ACOUSTIC/THERMAL DUCTWORK LINING - 2 INCH THICK		4					
				PL1	ACOUSIIC/IHERMAL DUCTWORK PLENUM LINING - 1 INCH THICK		4					
		W/W ENCL.	WALL TO WALL FIN TUBE ENCLOSURE	PL2	ACOUSTIC/THERMAL DUCTWORK PLENUM LINING - 2 INCH THICK							

SYMBOLS GENERAL NOTES:

1) VALVE AND DAMPER ACTUATOR TYPES (ELECTRIC OR PNEUMATIC) WHICH ARE INDICATED IN HVAC TEMPERATURE CONTROL DRAWINGS SHALL SUPERSEDE TYPE INDICATED ON ALL OTHER HVAC DRAWINGS.

HVAC CONTRACTOR GENERAL NOTES:

- A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.
- B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE EXISTING CEILINGS SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS. STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.
- C. DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- D. ALL EQUIPMENT INDICATED TO BE TURNED OVER TO THE OWNER SHALL BE DISCONNECTED AND REMOVED FROM THE EXISTING SYSTEMS AND DELIVERED (INCLUDING LOADING AND UNLOADING) TO A STORAGE AREA WITHIN THE BUILDING AS SELECTED BY THE OWNER. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY EQUIPMENT DAMAGED DURING REMOVAL AND DELIVERY. ANY DAMAGE TO EQUIPMENT PRIOR TO DISCONNECTING SHOULD BE REPORTED TO THE OWNER'S REPRESENTATIVE. IF NOT REPORTED, THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR REPAIRS TO THE EQUIPMENT.
- E. BEFORE DISCONNECTING, REMOVING, OR SERVICING ANY AIR CONDITIONING EQUIPMENT OR SYSTEMS CONTAINING REFRIGERANTS, THE EQUIPMENT OR SYSTEMS SHALL BE EVACUATED OF ALL REFRIGERANT PER THE LATEST ADOPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). THE CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE CERTIFIED BY AN EPA APPROVED CERTIFYING AGENCY OR ORGANIZATION.
- F. ALL DUCTWORK, PIPING, AND CONDUIT PENETRATIONS THROUGH RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPINGS PER SPECIFICATION. REFER TO CODE ANALYSIS DRAWING FOR ALL RATED WALL LOCATIONS. ALL FLOORS SHALL BE CONSIDERED RATED.
- G. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THIS CONTRACT TO PATCH AND FINISH ALL EXISTING DUCTWORK OR PIPE PENETRATIONS THROUGH FLOORS, ROOFS, INTERIOR WALLS, AND EXTERIOR WALLS AFTER DEMOLITION WORK. IN ADDITION, ALL NEW PENETRATIONS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, CURBING, DUCTWORK, PIPING, CONTROLS, ETC. PATCHING AND FINISHING SHALL MATCH EXISTING CONSTRUCTION INCLUDING FIRE RATINGS. PROVIDE LINTELS PER LINTEL SCHEDULE.
- H. IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL AIR VENTS AND DRAINS IN THE PIPING SYSTEMS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AIR VENTS AT ALL SYSTEM HIGH POINTS AND AT AREAS WITHIN THE PIPING SYSTEMS THAT COULD ACCUMULATE OR TRAP AIR WHICH WOULD PREVENT PROPER VENTING OR OPERATION OF THE SYSTEMS. DRAINS SHALL BE PROVIDED AT ALL LOW POINTS WITHIN THE PIPING SYSTEM TO FACILITATE COMPLETE DRAINING OF THE SYSTEM .
- I. PROVIDE THERMAL EXPANSION COMPENSATORS AND THERMAL EXPANSION LOOPS IN PIPING SYSTEM PER INDUSTRY STANDARDS.



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PROJECT INFORMATION Project Number 16669.00 Client Name DOMINICAN UNIVERSITY

Project Name **HVAC INSTALLATION**

HENNESSY CENTER

Project Address 495 WESTERN HIGHWAY, ORANGEBURG, NY 10962

PROJECT ISSUE & REVISION SCHEDULE No. Date Description

PROFESSIONAL STAMPS

SHEET INFORMATION

Drawn By

Drawing Title

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NOT TO SCALE

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MECHANICAL SYMBOLS LIST





KEY NOTES:

- 1 REMOVE EXISTING SUPPLY AIR DROP FROM RTU AND 24" Ø MAINS ON BOTH SIDES. CLEAN AND SAVE BRANCH DUCTWORK, GRILLES AND 18" Ø MAINS FOR REINSTALLATION.
- 2 REMOVE EXISTING TEMPERATURE SENSOR AND PRESSURE SENSORS THAT SERVE ROOFTOP UNITS AND EXISTING RELIEF VENTS TO BE CAPPED. PREPARE FOR NEW WORK.



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LOCKER ROOM DEMOLITION PLAN





ROOF HVAC DEMOLITION PLAN SCALE: 1/8" = 1'-0"

H102

KEY NOTES:

- 1 REMOVE EXISTING ROOFTOP UNIT AND CURB. DISCONNECT FROM EXISTING GAS PIPING AND PREPARE FOR NEW WORK.
- 2 ALT 1: REMOVE EXISTING EXHAUST FAN IN ITS ENTIRETY INCLUDING CURB. EXISTING DUCTWORK TO REMAIN. PREPARE FOR NEW WORK.
- (3) REMOVE EXISTING RELIEF VENT DAMPER AND PROVIDE CURB CAP.



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ROOF DEMOLITION PLAN







KEY NOTES:

- (1) PROVIDE NEW SUPPLY AIR DROP AND 28"Ø MAINS WITH 2" INTERNAL \smile DUCT INSULATION. RECONNECT EXISTING BRANCH DUCTWORK AND 18" MAINS. PAINT ALL NEW DUCTWORK TO MATCH EXISTING.
- **PROVIDE NEW PROGRAMMABLE THERMOSTAT TO CONTROL NEW** ROOFTOP UNITS. PROVIDE PROTECTIVE COVER.



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LOCKER ROOM NEW WORK PLAN





KEY NOTES:

- 1 INSTALL NEW ROOFTOP UNIT AND CURB. RECONNECT TO EXISTING GAS PIPING AND DUCTWORK. PROVIDE NEW SUPPLY DUCTWORK DROP AND RECONNECT TO EXISTING RETURN DUCTWORK.
- (2) INSTALL NEW EXHAUST FAN AND CURB. RECONNECT TO EXISTING DUCTWORK.



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KEY PLAN:

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s a violation of the new york state education law and the commission gulations for any person, unless acting under the direction of a lice ichtect, engineer or land surveyor, to alter an item in any way, if an i

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Multiple Building Names

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CONTROL SCHEMATICS



	ROOFTOP AIR CONDITIONING UNITS																																						
UNIT														HEATING ENERGY RECOVERY												1													
MARK WEIGI (LB)			EL	ELECTRICAL		ELECTRICAL		EFFICIENCY	ICIENCY		SUPPLY FAN		EXHAUST FAN		E	EAT LAT		τοται	SENSIBI E	AMBIENT COMPRESSOR			тота				WINTER			SUMMER					1				
	WEIGHT (LB)	MODEL	VOLTAGE	FLA	MCA (A)	EER / SEER	AIRFLOW (CFM)	ESP (IN. WG.	TSP (IN. WG.)	MOTOR SIZE (BHP/HP)	AIRFLOW (CFM)	ESP (IN. WG.	TSP (IN. WG.)	MOTOR SIZE (BHP/HP)	NB DB/	/WB (°F)	CAPACITY (MBH)	CAPACITY (MBH)	DB/WB (°F)	STAGES	QTY	REFRIGERANT	TYPE	TURNDOWN RATIO	CAPACITY (MBH)	EDB (°F)	LDB (°F)	O.A. (CFM)	OAT (DB/WB)	E.A. (CFM)	LAT (DB/WB)	RECOV. CAP. (MBH)	O.A. (CFM)	OAT (DB/WB)	E.A. (CFM)	LAT (DB/WB)	RECOV. CAP. (MBH)	APD (in. wg.)	REMARKS
RTU-1	3694	AAON RN-025-3-0-EA09-3 89	460/3/60	77	81	10.4	8000	0.5	1.97	6.88/10	8000	0.5	1.97	7.13/10 76.83	^{/63.3} 52.9	98/50.91	370.54	221.67	90/71	2	2	R-410A	GAS	4.5:1	328.1	59.2	97.2	3804	2/1	3804	59.2/60.7	225.76	3804	90/71	3804	76.83/50.91	78.16	0.87	1,2,3,4,5,6,7,8,9 10,11,12,13
RTU-2	3694	AAON RN-025-3-0-EA09-3 89	460/3/60	77	81	10.4	8000	0.5	1.97	6.88/10	8000	0.5	1.97	7.13/10 76.83	/63.3 52.9	98/50.91	370.54	221.67	90/71	2	2	R-410A	GAS	4.5:1	328.1	59.2	97.2	3804	2/1	3804	59.2/60.7	225.76	3804	90/71	3804	76.83/50.91	78.16	0.87	1,2,3,4,5,6,7,8,9 10,11,12,13

REMARKS: 1. FACTORY MOUNTED AND WIRED DISCONNECT

2. HOT GAS REHEAT

3. ECONOMIZER

4. UNIT SELECTION SHALL UTILIZE DIRECT DRIVE PLENUM STYLE SUPPLY AND RETURN FANS WITH PREMIUM EFFICIENCY INVERTER DUTY MOTORS, NEMA MG1.

5. PROVIDE 2" THICK DOUBLE WALL GALVANIZED STEEL INSULATED CABINET, ROOF AND WALLS, MINIMUM R-13. OUTSIDE OF CABINET TO BE PAINTED

6. PROVIDE ONE SUPPLY AND ONE RETURN VARIABLE FREQUENCY DRIVE WITH INTEGRAL HAND-OFF-AUTO SELECTION SWITCH AND LOCKABLE DISCONNECT, RECESSED IN UNIT CABINET, FURNISHED BY UNIT MANUFACTURER. SINGLE DRIVE TO CONTROL EACH SET OF SUPPLY AND RETURN FANS. PROVIDE WIRING AND CONDUIT BETWEEN FANS AND DRIVE. UNIT TO BE PREWIRED TO PROVIDE SINGLE POINT ELECTRICAL CONNECTION TO VFD. 7. PROVIDE 1" MERV 8 PRE-FILTER & 2" MERV 13 POST-FILTER

8. PROVIDE SIDE LOADING AND REMOVABLE FILTERS

9. PROVIDE STAINLESS STEEL HEAT EXCHANGER AND DRIP PAN

10. PROVIDE SINGLE POINT POWER

11. PROVIDE FIELD INSTALLED SMOKE DETECTORS COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.

12. PROVIDE CONVENIENCE OUTLET.

13. PROVIDE 18" HIGH, INSULATED ROOF CURB. CONTRACTOR SHALL SECURE UNIT TO CURB AND CURB TO BUILDING STRUCTURE.



INSTALL ROOFING PER NRCA REQUIREMENTS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND DETAILS FOR SPECIFIC ROOF TYPE AND REQUIREMENTS

		F	ROOF EXH	IAUST	FAN SC	CHEDU	LE (AL	FERNA	'E 1)				
	MARK LOCATION SERVICE TYPE CEM SP RPM ELECTRICAL DATA TYPICAL UNIT MF												
MARK	LOCATION	SERVICE	IYPE	СЕМ	IN W.G.	RPM	HP	VOLTS	PHASE	AMPS	& MODEL NO.	REMARKS:	
REF-2	ROOF	LOCKER ROOMS 117 & 118	DOWNBLAST	1430	0.2	889	.25	115	1	60	GREENHECK G-140-VG	1,2,3	
REF-3	ROOF	LAV. 119 & DRY 121	DOWNBLAST	500	0.21	833	0.25	115	1	60	GREENHECK G-100-VG	1,2,3	
REF-4	ROOF	SHOWER 122	DOWNBLAST	360	0.18	702	0.25	115	1	60	GREENHECK G-100-VG	1,2,3	
REF-5	ROOF	TOILET 120 &126	DOWNBLAST	600	0.47	1503	0.17	115	1	60	GREENHECK G-095-VG	1,2,3	
REF-6	ROOF	SHOWER 123	DOWNBLAST	270	0.22	915	0.17	115	1	60	GREENHECK G-0950VG	1,2,3	
REF-7	ROOF	LAV. 123	DOWNBLAST	360	0.18	702	0.25	115	1	60	GREENHECK G-100-VG	1,2,3	
REF-8	ROOF	SHOWER 135	DOWNBLAST	270	0.22	915	0.17	115	1	60	GREENHECK G-0950VG	1,2,3	
REF-9	ROOF	TRAINING ROOM 129	DOWNBLAST	500	0.21	833	0.25	115	1	60	GREENHECK G-100-VG	1,2,3	
REF-10	ROOF	TOILET 133 &136	DOWNBLAST	600	0.47	1503	0.17	115	1	60	GREENHECK G-095-VG	1,2,3	
REF-11	ROOF	SHOWER 138	DOWNBLAST	360	0.18	702	0.25	115	1	60	GREENHECK G-100-VG	1,2,3	
REF-12	ROOF	DRY 137 & LAV 139	DOWNBLAST	500	0.21	833	0.25	115	1	60	GREENHECK G-100-VG	1,2,3	
REF-13	ROOF	LOCKER ROOMS 140 &141	DOWNBLAST	1430	0.2	889	.25	115	1	60	GREENHECK G-140-VG	1,2,3	
REF-15	ROOF	LAV. 132	DOWNBLAST	360	0.18	702	0.25	115	1	60	GREENHECK G-100-VG	1,2,3	
REMARKS:	1. FACTORY MOU	NTED AND WIRED DISCONNECT.	•					•				•	
	2. BACKDRAFT DA	MPER.											
	3. PROVIDE 18" HI	GH, INSULATED ROOF CURB. CONT	RACTOR SHALL SECU	JRE UNIT TO C	URB AND CURB	TO BUILDING	STRUCTURE.						



ROOFTOP UNIT - ROOF CURB DETAIL

H900

ELECTRICAL CONDUIT GUIDE -NON-FERROUS FASTENER TO PERMIT DOME REMOVAL FOR ACCESS TO MOTOR -ALUMINIUM BIRD SCREEN ALL AROUND -STATIC PRESSURE PROBE-1/4" TUBING PLASTIC CAP — SECURE FAN TO CURB WITH S/M SCREWS 12" O.C. ALL AROUND -FOAM-RUBBER GASKET APPLIED TO UNDERSIDE OF FAN CURB CAP RUN POWER SUPPLY LEADS IN CORNER INSIDE CURB STEEL ANGLE SUPPORTS, ALL SIDES -LOW LEAK BACKDRAFT DAMPER -ACOUSTICAL LINING -PLENUM FULL SIZE OF EXHAUST FAN THROAT SIZE — 2" SOLDERED JOINT WATERPROOF PAN -DUCTMATE MODEL METU 3/4" MPT DRAIN FITTING AND CAP CHROME PLATED BRASS -

VIBRATION ELIMINATOR — MANUAL RESET

FIRESTAT -----





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PROJECT INFORMATION Project Number 16669.00

Client Name DOMINICAN UNIVERSITY

Project Name HVAC INSTALLATION

HENNESSY CENTER

No. Date

Project Address 495 WESTERN HIGHWAY, ORANGEBURG, NY 10962

PROJECT ISSUE & REVISION SCHEDULE

Description



PROFESSIONAL STAMPS



3 EXHAUST FAN DETAIL H900 NOT TO SCALE