BUILDING

REVISIONS											
MARK	BY	DATE									
DATE:	DRAW	ING NO.									

5/01/2025 DRAWN BY:

CHECKED BY:

PROJECT NO.

SIDEWALL EXHAUST FAN SCHEDULE BASIS OF DESIGN\* ELECT. CHAR. S.P. R.P.M. DRIVE MODEL MANUFACTURER EF-1 WOODSHOP 5,000 0.5" 1,140 DIRECT 2 0.99 460V-60HZ-3¢ WALL 2-SPEED/ NOTE 1 GREENHECK CUE-200-B PROVIDE 2-SPEED FAN CONTROLLER. FAN IS TO REMAIN OFF WHEN DUST COLLECTOR OPERATES, WHEN EDC-1 IS NOT OPERATING, RUN FAN ON

LOW SPEED (1,000 CFM), WHENEVER DOAU-1 OPERATES AND EDC-1 IS NOT OPERATING, RUN FAN AT FULL SPEED.

2. PROVIDE FAN WITH CLASS-B SPARK RESISTANCE CONSTRUCTION.

\* OR APPROVED EQUIVALENT

				G	RII	LL	ES	, R	REC	<i>31</i> 57	ΓER	S, A	ND I	DIFFUSERS SCHEDU	LE	
	TYPE			l	AME YLE		DU	JTY		CONSTR	RUCTION					
TAG	DIFFUSER	REGISTER	GRILLE	LAY-IN	SURFACE MTD	SUPPLY	RETURN	TRANSFER	EXHAUST	STEEL	ALUMINUM	MAX ΔP (IN-WG)	MAX NC RATING	DESCRIPTION	NOTES	BASIS OF DES GREENHECI
R-1			Х		х			х		Х		N/A	N/A	HEAVY DUTY SINGLE DEFLECTION	2,4	XG-4500
NOTES	·															

1. CONTRACTOR IS TO VERIFY THE REQUIRED FRAME STYLE FOR THE CEILING BEING INSTALLED BEFORE ORDERING GRD'S.

2. CONTRACTOR IS TO FIELD VERIFY LENGTH OF SLEEVE THROUGH WALL. OR APPROVED EQUIVALENT

	ENCLOSURE-LESS DUST COLLECTOR SCHEDULE															
TAG	TAG SERVES		FAN CFM S.P. B.H.P. CLOTH AREA FILTERS # DUST COLLECTION RECEPTS. BAG DROP FILTER FILTER INITIAL PRESSURE DROP DROP DROP DROP DROP DROP DROP DROP						ELECT. CHAR.	CONTROL	APPROX. SHIPPING WEIGHT	BASIS OF DESIGN*				
EDC-1	WOOD SHOP	5,000	12.0"	20.0	257 FT <sup>2</sup>	28	4	9.2	0.5" WG	6.0" WG	24	220.0	460V-60HZ-3Ø	NOTE 1	2,200 lbs.	DONALDSON 460-IRD-20

. DUST COLLECTOR IS TO OPERATE ON/OFF VIA WALL MOUNTED CONTROLLER - SEE FLOOR PLANS

2. FURNISH DUST COLLECTOR WITH THE FOLLOWING OPTIONS AND ACCESSORIES: A. NEMA-4 ENCLOSURE WITH 20-HP MOTOR STARTER, START/STOP PUSH-BUTTON, RUNNING PILOT LIGHT, LIMIT SWITCH TIE-IN AND DISCONNECT.

B. OPTIONAL SHAKER MOTOR AND NEMA-4 RATED SHAKER CONTROLS ENCLOSURE WITH MANUAL AND AUTO SHAKER SWITCH, ON/OFF TIME AUTO SHAKE ADJUSTMENT DIALS.

C. EXTERIOR WEATHER KIT.

D. SPARE ROLL OF PLASTIC REPLACEMENT BAGS.

3. DUST COLLECTOR TO MEET REQUIREMENTS OF NFPA 654 2020 7.14.1.1.2

4. DUST COLLECTOR TO MEET REQUIREMENTS OF NFPA 664 2020 8.2.2.6.1.4 & 8.2.2.6.1.6

5. OWNER IS TO CONSTRUCT EXTERIOR LEAN-TO ROOF AS INDICATED ON THE PLANS.

5. CONTRACTOR IS TO PROVIDE CONCRETE PAD AND SECURE DUST COLLECTOR TO THE PAD WITH CORROSION RESISTANT ANCHORS PER THE INSTALLATION MANUAL. 7. ORIENT FAN INLET PER THE DRAWINGS.

3. PROVIDE FACTORY PERSONNEL FOR START-UP OF EQUIPMENT. START UP THE DUST COLLECTOR PER THE OPERATION MANUAL AND OBSERVE OPERATION DURING USE TO ADJUST THE DISTRIBUTION VANES AND PROVIDE EVEN DISTRIBUTION OF COLLECTED MATERIAL IN THE DISPOSAL RECEPTACLES.

OR APPROVED EQUIVALENT.

DEDICATED OUTSIDE AIR UNIT																								
TAG	SERVES		SUPPLY F	AN DATA		HEATING DATA					COOLING DATA			REHEAT SECTION							APPROX.	BASIS OF DESIGN*		
		CFM	O.A.	EXT. S.P.	HP	INPUT MBH	OUTPUT MBH	TEMP. RISE (°F)	$H \vdash \Delta I \mid V \vdash \vdash I$	NATURAL GAS PRESSURE	COMPRESSOR TYPE	TOTAL CAPACITY		LAT (COIL) DB/WB (°F)	CAPACITY MBH	LAT DB / WB (°F)	ISMRE2	CONTROL	ELECT. CHAR.	MCA	MOCP	WEIGHT	MANUFACTURER	MODEL
DOAU-1	WOOD SHOP	4,000	4,000	0.75"	1.5	400.0	324.0	75	INDIRECT FIRED	7" - 14" IWC	VARIABLE SPEED INVERTER	274.6 MBH	H 161.4 MBH	53.2 / 53.1	157.1	75/61	7.6	NOTE 1	460V-60HZ-3Ø	46.7	60.0	3,340	GREENHECK	RV-45-20-1

## I. UNIT IS TO OPERATE CONTINUOUSLY WHENEVER THE DUST COLLECTOR OPERATES AND IS TO OPERATE INTERMITTENTLY TO PROVIDE HEATING OR COOLING TO THE SPACE WHEN CALLED FOR AT THE THERMOSTAT. SEE SEQUENCE OF CONTROL FOR ADDITIONAL INFORMATION.

2. UNIT TO HAVE FACTORY INSTALLED HACR BREAKER OR FUSED DISCONNECT SWITCH IS TO BE PROVIDED AS A MEANS OF DISCONNECT.

3. UNIT TO HAVE PHASE LOSS/REVERSAL RELAY PROTECTION AND UNDER VOLTAGE PROTECTION.

\* OR APPROVED EQUIVALENT.