

FAN SCHEDULE																
MARK	QTY	SERVICE	BASIS OF DESIGN		DESCRIPTION	MOUNTING	CFM	ESP (IN. WC.)	DRIVE	MOTOR SIZE	BHP	WHEEL DIAM. (IN.)	FAN RPM	ELECTRICAL	WEIGHT (LB.)	NOTES
			MFR	MODEL												
EF-1	1	JANITOR	GREENHECK	SP-B90	CENTRIFUGAL	CEILING	50	0.375	DIRECT	18 WATTS	0.01	7.94	684	115/60/1 0.2 MCA 15 MOCP	10	A-D,F,O
EF-2	3	GENERAL EXHAUST	GREENHECK	SP-B90	CENTRIFUGAL	CEILING	50	0.375	DIRECT	18 WATTS	0.01	7.94	684	115/60/1 0.2 MCA 15 MOCP	10	A-D,E,O
EF-3	1	IT	GREENHECK	SP-B110	CENTRIFUGAL	CEILING	60	0.375	DIRECT	28 WATTS	0.01	7.94	679	115/60/1 1.4 MCA 15 MOCP	10	A-D,H,O
EF-4	1	GENERAL EXHAUST	GREENHECK	SP-B150	CENTRIFUGAL	CEILING	100	0.375	DIRECT	46 WATTS	0.02	7.94	760	115/60/1 2.2 MCA 15 MOCP	10	A-D,E,O
EF-5	1	SHOP EXHAUST	GREENHECK	SQ-9-M1-VG	SQUARE INLINE DUCT, CENTRIFUGAL	SUSPENDED, HORIZONTAL, REAR DISCHARGE	1,220	0.50	DIRECT	1 HP	0.20	12.25	1,801	208/60/1 10.0 MCA 15 MOCP	83	C,D,G,O
HVLS-1	1	SHOP CIRCULATION	GREENHECK	DS-3-10-LV	HIGH VOLUME, LOW SPEED CEILING FAN	SUSPENDED	24,300	---	DIRECT	1-1/2 HP	---	120	85	208/60/3 7 FLA	136	I-N

GENERAL NOTES (ALL UNITS AS APPLICABLE):

- AMCA CERTIFIED AND UL OR ETL LISTED. (GREASE EXHAUST FANS UL762, SMOKE EXHAUST UL705)
- PROVIDE ALL MATERIALS AND/OR ACCESSORIES AS REQUIRED FOR MOUNTING (HANGING RODS, MOUNTING KITS, ETC.). PROVIDE APPROPRIATE VIBRATION ISOLATION FOR APPLICATION.
- STATIC PRESSURE SHOWN IS EXTERNAL TO UNIT. MANUFACTURER SHALL ADD DAMPER AND ACCESSORY LOSSES TO THIS VALUE BEFORE SELECTING FAN.

NOTES (APPLICABLE ONLY WHERE NOTED):

- PROVIDE FLEXIBLE DUCT CONNECTIONS.
- PROVIDE WITH ALUMINUM CEILING GRILLE.
- PROVIDE WITH INTEGRAL SPEED CONTROLLER.
- PROVIDE WITH GRAVITY BACKDRAFT DAMPER.
- INTERLOCK WITH ROOM LIGHTS. REFER TO ELECTRICAL.
- INTERLOCK WITH FU-4 TO OPERATE WHEN IN OCCUPIED MODE.
- INTERLOCK WITH RTU-1 TO OPERATE WHEN IN OCCUPIED MODE.
- PROVIDE WITH COOLING ONLY THERMOSTAT. FAN TO ENERGIZE WHEN TEMPERATURE IN SPACE INCREASES ABOVE SETPOINT (80F, ADJUSTABLE.)
- PROVIDE WITH FORWARD AND REVERSE CAPABILITY.
- PROVIDE WITH FACTORY MOUNTED AND WIRED VFD.
- FINISH TO BE SELECTED BY ARCHITECTS FROM MANUFACTURER'S STANDARD COLOR OPTIONS.
- PROVIDE EXTENDED DROP LENGTH AS REQUIRED. COORDINATE MOUNTING ELEVATION WITH ARCHITECT AND OWNER PRIOR TO PURCHASING.
- PROVIDE WITH STANDARD TOUCHSCREEN CONTROLLER.
- INTERLOCK FAN TO SHUT DOWN IMMEDIATELY UPON RECEIVING A WATER FLOW SIGNAL FROM THE FIRE ALARM SYSTEM.
- PROVIDE WITH FACTORY DISCONNECT SWITCH.

GRAVITY VENTILATOR SCHEDULE											
MARK	QTY	SERVICE	BASIS OF DESIGN		DESCRIPTION	SIZE	MAX. FLOW (CFM)	MAX. PD (IN. WC.)	THROAT (SF)	VELOCITY (FPM)	WEIGHT (LB.)
			MFR	MODEL							
GV-1	1	FU-1,2,3,4	GREENHECK	GRSI	SPUN ALUMINUM GRAVITY VENTILATOR	16	690	0.06	1.45	476	38

GENERAL NOTES (ALL DEVICES AS APPLICABLE):

- PROVIDE WITH ROOF CURB. ROOF CURB TO SLOPE TO MATCH ROOF PITCH.
- PROVIDE WITH INSECT SCREEN.
- PROVIDE WITH MOTORIZED DAMPER. INTERLOCK TO OPEN WHEN ANY FU IS IN THE OCCUPIED MODE OF OPERATION. OTHERWISE, FULLY CLOSED.

AIR DEVICE SCHEDULE							
MARK	SERVICE	BASIS OF DESIGN		DESCRIPTION	MODULE SIZE	NECK SIZE	NOTES
		MFR	MODEL				
A	SUPPLY	TITUS	TDC-AA	ALUMINUM LOUVERED FACE DIFFUSER, ROUND NECK	12" x 12"	REF. PLAN	A
B	SUPPLY	TITUS	TDC-AA	ALUMINUM LOUVERED FACE DIFFUSER, ROUND NECK	24" x 24"	REF. PLAN	A
C	SUPPLY	TITUS	ML-39	ALUMINUM MODULINEAR SLOT SUPPLY DIFFUSER, 1" SLOT, 2-SLOT, WITH FACTORY PLENUM	REF. PLAN FOR LENGTH	REF. PLAN	
D	SUPPLY	TITUS	300FL	ALUMINUM DOUBLE DEFLECTION GRILLE, 3/4" BLADE SPACING, BLADES PARALLEL TO LONG DIMENSION	---	REF. PLAN	A
E	SUPPLY	TITUS	S300FL	ALUMINUM, DIRECT SPIRAL DUCT MOUNTED, DOUBLE DEFLECTION GRILLE, 3/4" BLADE SPACING, FRONT BLADES PARALLEL TO LONG DIMENSION	---	REF. PLAN	B
F	SUPPLY	TITUS	S-DL-SV	LONG THROW, HIGH CAPACITY ALUMINUM SUPPLY GRILLE, ROTATING DRUM, CURVED FRAME.	---	REF. PLAN	
1	RETURN / TRANSFER	TITUS	50F	ALUMINUM EGGCRATE GRILLE, ROUND NECK	24" x 24"	REF. PLAN	
2	RETURN / TRANSFER	TITUS	50F	ALUMINUM EGGCRATE GRILLE, RECTANGULAR NECK	24" x 24"	REF. PLAN	
3	RETURN / TRANSFER	TITUS	350FL	ALUMINUM GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION	---	REF. PLAN	
4	RETURN / TRANSFER	TITUS	CT-700L	ALUMINUM DOOR RETURN GRILLE WITH SIGHT-PROOF BLADES PARALLEL TO LONG DIMENSION	---	REF. PLAN	
5	EXHAUST	TITUS	350FL	ALUMINUM GRILLE, 3/4" BLADE SPACING, 35 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION	---	REF. PLAN	

GENERAL NOTES (ALL DEVICES AS APPLICABLE):

- ALL SUPPLY DIFFUSERS ARE 4-WAY/ALL-WAY THROW UNLESS NOTED OTHERWISE.
- DIFFUSER NECK SHALL BE SAME AS BRANCH DUCT SIZE UNLESS SHOWN OTHERWISE. REFER TO PLANS.
- PROVIDE WITH BORDER/FRAME COMPATIBLE WITH MOUNTING SURFACE TYPE. REFER TO ARCHITECTURAL DRAWINGS.
- FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD OPTIONS OR READY FOR PAINT.
- PROVIDE WITH DAMPER AT TAKEOFF TO EACH DEVICE AND WHERE OTHERWISE SHOWN ON PLANS.
- PROVIDE NECK FOR DUCT CONNECTION AS REQUIRED. PROVIDE MANUFACTURER'S SQUARE TO ROUND ADAPTOR (SRG) WHERE APPLICABLE.
- DIFFUSERS SHALL BE FULL FACE EXCEPT WHERE NOTED ON PLANS.
- INSULATE BACK PANEL OF ALL SUPPLY DIFFUSERS. INSULATION TYPE SHALL MATCH INSULATION USED ON SUPPLY DUCTWORK.
- PROVIDE MANUFACTURER'S INSULATED PLENUM FOR LINEAR DIFFUSERS. FIELD FABRICATE PLENUMS WHERE REQUIRED.
- MAX NOISE CRITERIA 28, UNLESS NOTED OTHERWISE.

NOTES (APPLICABLE ONLY WHERE NOTED):

- PROVIDE WITH OPPOSED BLADE DAMPER IN NECK, ADJUSTABLE FROM FACE.
- PROVIDE WITH AIR SCOOP DEVICE, ADJUSTABLE FROM FACE.

LOUVER SCHEDULE										
MARK	QTY	SERVICE	BASIS OF DESIGN		DESCRIPTION	SIZE	MAX. FLOW (CFM)	MAX. PD (IN. WC.)	FREE AREA (SF)	VELOCITY (FPM)
			MFR	MODEL						
LV-1	1	SHOP EXHAUST	GREENHECK	EHH-601	WIND DRIVEN RAIN LOUVER, HORIZONTAL BLADE	28" x 30"	1,220	0.06	2.5	479

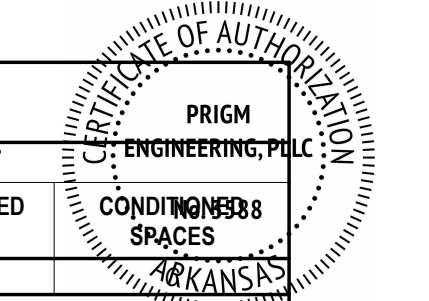
GENERAL NOTES (ALL DEVICES AS APPLICABLE):

- FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD OPTIONS.
- PROVIDE WITH BIRD SCREEN.

SMACNA DUCT CLASSIFICATION SCHEDULE			
DESCRIPTION	PRESSURE CLASS	SEAL CLASS	LEAKAGE
ALL DUCTWORK			
RECTANGULAR	1"	**	**
ROUND	2"	**	**
FLEXIBLE	1"	---	---
** REFER TO MINIMUM DUCT SEAL AND LEAKAGE CLASSIFICATION SCHEDULES.			



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MINIMUM DUCT SEAL CLASSIFICATION SCHEDULE									
PRESSURE CLASS	SUPPLY			RETURN			EXHAUST		
	OUTDOORS	UNCONDITIONED SPACES	CONDITIONED SPACES	OUTDOORS	UNCONDITIONED SPACES	CONDITIONED SPACES	OUTDOORS	UNCONDITIONED SPACES	CONDITIONED SPACES
1/2", 1", 2"	A	C	C	A	B	C	C	C	C
NOTE: THIS SCHEDULE STATES MINIMUM STANDARD REQUIREMENTS. MEET SPECIFIC REQUIRMENTS WHERE SPECIFIED ON SMACNA DUCT CLASSIFICATION SCHEDULE.									

MINIMUM DUCT LEAKAGE CLASSIFICATION SCHEDULE			
SEAL CLASS	APPLICABLE SEALING	LEAKAGE CLASS	
		RECTANGULAR DUCT	ROUND DUCT
C	TRAVERSE JOINTS ONLY	24	12
B	TRAVERSE JOINTS AND SEAMS	12	6
A	JOINTS, SEAMS, AND ALL WALL PENETRATIONS	6	3



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MECHANICAL
SCHEDULES

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