

AIR DISTRIBUTION DEVICE SCHEDULE

- 1 = SIZES ARE BY THIS SCHEDULE UNLESS NOTED OTHERWISE.
 2 = CEILING DIFFUSERS ARE 4-WAY THROW UNLESS NOTED AND 3 OR 2-WAY, PROVIDE BLANK OFF AS SPECIFIED. INCREASE NECK SIZE ONE STEP FOR 2-WAY THROW.
 3 = REFER TO SPECIFICATION SECTION 15910 AND PLANS FOR TYPES OF AIR DEVICES USED.
 4 = REFER TO SYMBOLS LEGEND FOR INDICATION OF 12"X12" AND 24"X24" FACE AIR DEVICES.
 5 = ALL DIFFUSERS, GRILLES & REGISTERS SHALL HAVE O.B.D.'S WHEN TAPS ARE MOUNTED ABOVE NON-ACCESSIBLE CEILINGS.
 6 = BRANCH DUCT SIZES ARE BY THIS SCHEDULE UNLESS NOTED OTHERWISE.
 7 = ALL VISIBLE SURFACES OF THE RETURN/EXHAUST PLENUM AND DUCT CONNECTION SHALL BE PAINTED FLAT BLACK.
 8 = SCHEDULE IS APPLICABLE FOR BOTH LAY-IN AND SURFACE MOUNTED AIR DEVICES.
 9 = AIR DEVICE FRAME STYLE SHALL MATCH THE CEILING TYPE. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.

24" X 24" FACE SUPPLY DIFFUSERS PRICE MODEL AMDA ADJUSTABLE AIR PATTERN				24" X 24" X 1/2" EGGCRATE RETURN/EXHAUST GRILLES PRICE MODEL 80				SIDEWALL SUPPLY DIFFUSER PRICE MODEL 510		SIDEWALL RETURN/EXHAUST GRILLE PRICE MODEL 535	
CFM RANGE	BRANCH DUCT SIZE		NECK SIZE	CFM RANGE	BRANCH DUCT SIZE		NECK SIZE	CFM RANGE	NECK SIZE	CFM RANGE	NECK SIZE
	RECTANGULAR	ROUND			RECTANGULAR	ROUND					
UP TO 120	8" X 6"	6" Ø	6" Ø	UP TO 120	8" X 6"	6" Ø	22" X 22"	UP TO 120	6" X 6"	UP TO 120	6" X 6"
121 TO 210	10" X 6"	8" Ø	8" Ø	121 TO 210	10" X 6"	8" Ø	22" X 22"	121 TO 240	10" X 6"	121 TO 240	10" X 6"
211 TO 330	12" X 8"	10" Ø	10" Ø	211 TO 330	12" X 8"	10" Ø	22" X 22"	241 TO 300	12" X 6"	241 TO 300	12" X 6"
331 TO 470	14" X 8"	12" Ø	12" Ø	331 TO 470	14" X 8"	12" Ø	22" X 22"	301 TO 400	12" X 8"	301 TO 400	12" X 8"
471 TO 640	16" X 10"	14" Ø	14" Ø	471 TO 640	16" X 10"	14" Ø	22" X 22"	401 TO 500	12" X 10"	401 TO 500	12" X 10"
				641 TO 770	20" X 10"	-----	22" X 22"	501 TO 620	18" X 10"	501 TO 620	18" X 10"
				771 TO 950	20" X 12"	-----	22" X 22"	621 TO 780	18" X 12"	621 TO 780	18" X 12"
				951 TO 1200	20" X 14"	-----	22" X 22"				
12" X 12" FACE SUPPLY DIFFUSERS PRICE MODEL AMD				12" X 12" X 1/2" EGGCRATE RETURN/EXHAUST GRILLES PRICE MODEL 80							
UP TO 120	8" X 6"	6" Ø	6" Ø	UP TO 120	8" X 6"	6" Ø	10" X 10"				
121 TO 210	10" X 6"	8" Ø	8" Ø	121 TO 210	10" X 6"	8" Ø	10" X 10"				

COLOR BY ARCHITECT

ROUND DUCT SCHEDULE

CFM RANGE	DUCT SIZE
0-100	6" Ø
101-220	8" Ø
221-400	10" Ø
401-700	12" Ø
701-1000	14" Ø

DUCT SIZES SHOWN ARE FOR RIGID DUCT. FLEX DUCT SHALL BE 2" LARGER FOR CFM SHOWN.

LINEAR SLOT GRILLE, REGISTER & DIFFUSER DATA

MARK	MFR-MODEL	NOTES
SAG-3	LINEAR SLOT DIFFUSER WITH SQUARE SHOULDER PLENUM, DRYWALL WALL MOUNT, PRICE MODEL SDB50, 4' LONG, (3) 1-2" SLOTS.	1
RAG-1	LINEAR SLOT DIFFUSER WITH SQUARE SHOULDER PLENUM, DRYWALL WALL MOUNT, PRICE MODEL SDB50, 4' LONG, (3) 1-2" SLOTS.	1

1. EQUAL BY METALAIR OR TITUS.

PACKAGED UNIT SCHEDULE

UNIT NO.	SERVING	TOTAL CFM	O.A. CFM	MIN. EXT.SP. IN W.G.	COOLING				GAS HEATING		COMPRESSOR	ELECTRICAL				MFR.	MODEL	WEIGHT	E.P.A. EFF.	REMARKS		
					TOTAL (MBH)	SEN. (MBH)	EDB °F	EWB °F	LDB °F	LWB °F		INPUT (MBH)	OUTPUT (MBH)	KW	VOLTS						PHASE	MCA
RTU-1	SALES	1700	225	1.0	59.5	45.5	79.4	64.9	55.0	53.2	48.0	50.86	3.98	208	3	27.4	40	TRANE	YHC060	1000 LBS	14.2	1, 2, 3, 4, 5, 6
RTU-2	NORTH/EAST	1700	155	1.0	59.5	45.5	78	63.5	55.0	52.5	48.0	50.86	3.98	208	3	27.4	40	TRANE	YHC060	1000 LBS	14.2	1, 2, 3, 4, 5, 6, 7
RTU-3	SOUTH	1380	125	1.0	38.1	30.8	77.7	63.0	55.0	53.3	49.0	51.29	2.98	208	3	24.6	35	TRANE	YHC048	900 LBS	14.2	1, 2, 3, 4, 5, 6, 7
RTU-3	WEST	1785	220	1.0	56.5	43.5	77.5	63.8	55.0	53.2	48.0	51.05	3.98	208	3	27.4	40	TRANE	YHC060	1000 LBS	14.2	1, 2, 3, 4, 5, 6, 7

- PROVIDE MINIMUM 3/4" CONDENSATE DRAIN AND EXTEND TO APPROVED RECEPTOR UNLESS INDICATED OTHERWISE.
- PROVIDE SMOKE DETECTOR IN SUPPLY AND RETURN AIRSTREAMS.
- PROVIDE START-UP SERVICES TO INITIALIZE OPERATION OF UNITS.
- PROVIDE HOT GAS REHEAT. PROVIDE HUMIDITY CONTROL SEQUENCE AND HUMIDITY SENSOR.
- PROVIDE OUTSIDE AIR DAMPER AND HOOD WITH ACTUATOR TO CLOSE WHEN UNIT IS NOT IN OPERATION.
- PROVIDE FACTORY ROOF CURB.
- PROVIDE FACTORY THERMOSTAT AND CONTROLS.

FAN SCHEDULE

FAN DESIGNATION	SERVICE	FAN TYPE	DRIVE TYPE	FLOW (CFM)	TOTAL STATIC PRESSURE (INCH W.C.)	MOTOR			MANUFACTURER	MODEL NUMBER	REMARKS (SEE NOTES BELOW)	
						WATTS/HP	FLA	RPM				
EF-1	RESTROOM EXHAUST	ROOFTOP	DIRECT	150	0.4	1/6 HP	2.6	115/60/1	1725	GREENHECK	G-065-VG	① ② ④
EF-2	JEWELERS WORK AREA EXHAUST	ROOFTOP	DIRECT	300	0.6	1/4 HP	2.6	115/60/1	1725	GREENHECK	G-090-VG	① ③ ④

- PROVIDE BACKDRAFT DAMPER.
- INTERLOCK FAN WITH RTU-1.
- INTERLOCK FAN WITH RTU-3.
- PROVIDE WITH FACTORY SPEED CONTROLLER.

Order Plans @

LINFIELD, HUNTER & JUNIUS, INC.
 PROFESSIONAL ENGINEERS, ARCHITECTS
 AND SURVEYORS
 3608 18th Street, Suite 200
 Metairie, Louisiana 70002

PERMIT SET

DIAMONDS DIRECT
 3230 SEVERN AVE METAIRIE, LA 70002
 MECHANICAL SCHEDULES

YKM Consulting LLC
 YENARI • KELLY • MONTGOMERY
 Mechanical • Electrical • Plumbing
 3500 N. Causeway Blvd. Suite 1240, Metairie, LA 70002
 ykmconsulting.com 504.264.5111

Job No: 1808901 Designed By: TGM
 Drawn By: TGM Checked By: GY

PROJ. NO. 18-141
 DATE 10-15-18
 SHEET NO. **M3.01**
 OF SHEETS

© 2014 by Linfield, Hunter & Junius, Inc.