1. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS AND ADDITIONAL REQUIREMENTS.
2. PERFORMANCE CAPACITIES SHOWN ARE MINIMUM.

3. COIL AIR PRESSURE DROPS SHOWN ARE MAXIMUM. 4. FANS FOR VAV UNITS SHALL BE SELECTED WITH ALLOWANCE FOR MID-LIFE FILTER AIR PRESSURE DROP.

5. PROVIDE WITH STAINLESS STEEL DRAIN PANS AND COIL CASINGS. 6. COORDINATE DUCT AND CONDENSATE PIPING CONNECTION ORIENTATIONS WITH PLANS. 7. ALL FAN MOTORS SHALL BE MOTOR MANUFACTURER'S HIGHEST "PREMIUM" EFFICIENCY OFFERING AVAILABLE.

8. UNIT SOUND - MAXIMUM 90 DB IN ANY OCTAVE BAND FOR ALL UNITS. 9. SEE DIVISION 26 FOR DISCONNECT.

10. PROVIDE ALL MANUFACTURER AND CODE REQUIRED CLEARANCES.

11. PROVIDE WITH SINGLE POINT POWER CONNECTION. 12. PROVIDE WITH INLINE LIQUID LINE FILTER DRYER.

13. PROVIDE WITH FIELD-POWERED 120V GFI RECEPTACLE.

		AIF	UIST	RIBUTION SCHEDUL	.E
PLAN MARK	CFM	NECK SIZE	FACE SIZE	DESCRIPTION	ADDITIONAL REQUIREMENTS
A	000-110 111-240 241-420 421-620 621-750 751-980 000-110 111-240	6" 8" 10" 12" 14" 15" 6"	24x24 24x24 24x24 24x24 24x24 24x24 12x12 12x12	BASIS OF DESIGN: PRICE ASPD COLOR: AS SELECTED BY ARCHITECT MATERIAL: ALUMINUM OPPOSED BLADE DAMPERS: NO	SUPPLY CEILING DIFFUSER SURFACE-MOUNT: BORDER TYPE 31 WITH AMF FRAME LAY-IN: BORDER TYPE 31
В	000-145 146-315 316-480 481-630 631-825 826-1120 1121-1450 1451-1945 1946-2165 5000	6x6 8x8 10x10 12x12 14x14 16x16 18x18 20x20 22x22 24x20	24x24 48x24	BASIS OF DESIGN: PRICE-80 COLOR: AS SELECTED BY ARCHITECT MATERIAL: ALUMINUM VOLUME DAMPERS: NO 1/2"x1/2"x1/2" EGGCRATE GRID, SQUARE NECK & FACE. FOR RETURN & EXHAUST, SIZE PER SCHEDULE FOR TRANSFER, SEE PLANS FOR SIZE.	RETURN/EXHAUST CEILING GRILLE SURFACE-MOUNT: BORDER TYPE F LAY-IN: BORDER TYPE TB W/24x24 FACE
С	SEE PLANS	SEE PLANS	FACE SIZE EQUALS NECK SIZE PLUS 2".	BASIS OF DESIGN: PRICE-620D COLOR: AS SELECTED BY ARCHITECT MATERIAL: ALUMINUM OPPOSED BLADE DAMPERS: YES DOUBLE DEFLECTION, 3/4" BLADE SPACING, FRONT BLADES PARALLEL TO LONG DIMENSION	SIDEWALL SUPPLY REGISTER SURFACE-MOUNT: BORDER TYPE F
D	SEE PLANS	SEE PLANS	FACE SIZE EQUALS NECK SIZE PLUS 2".	BASIS OF DESIGN: PRICE-610Z COLOR: AS SELECTED BY ARCHITECT MATERIAL: ALUMINUM OPPOSED BLADE DAMPERS: NO 0° FIXED DEFLECTION, 3/4" BLADE SPACING, FRONT BLADES PARALLEL TO LONG DIMENSION	RETURN/EXHAUST SIDEWALL GRILLE SURFACE-MOUNT: BORDER TYPE F
E	SEE PLANS	10x6		GRILLE PROVIDED BY CELL MANUFACTURER	INTEGRAL TO CELL SUPPLY GRILLE
F	SEE PLANS	10x6		GRILLE PROVIDED BY CELL MANUFACTURER	INTEGRAL TO CELL EXHAUST GRILLE
F2	SEE PLANS	10x10		GRILLE PROVIDED BY CELL MANUFACTURER	INTEGRAL TO CELL EXHAUST GRILLE
G	0-100 101-178 179-278 279-450 451-544 545-711 712-900 901-1111	6x6 8x8 10x10 12x12 14x14 16x16 18x18 20x20 22x22	FACE SIZE EQUALS NECK SIZE PLUS 2".	BASIS OF DESIGN: PRICE-MSPG COLOR: AS SELECTED BY ARCHITECT MATERIAL: ALUMINUM PERFORATED FACE	SUPPLY CEILING SECURE DIFFUSER
Н	0-100 101-178 179-278 279-450 451-544 545-711 712-900 901-1111	6x6 8x8 10x10 12x12 14x14 16x16 18x18 20x20 22x22	FACE SIZE EQUALS NECK SIZE PLUS 2".		RETURN/EXHAUST CEILING SECURE GRILLE
	SEE PLANS	SEE PLANS	FACE SIZE EQUALS NECK SIZE PLUS 2".		SIDEWALL SECURE SUPPLY REGISTE
J	SEE PLANS	SEE PLANS	FACE SIZE EQUALS		RETURN/EXHAUST SECURE SIDEWALI GRILLE

1. AIR DISTRIBUTION DEVICES LOCATED WITHIN ACOUSTICAL TILE CEILINGS SHALL BE PROVIDED WITH BORDER FOR LAY-IN MOUNTING. AIR DISTRIBUTION DEVICES LOCATED WITHIN GYPSUM BOARD CEILINGS OR WALLS SHALL BE PROVIDED WITH BORDER FOR SURFACE MOUNTING. REFER TO ARCHITECTURAL DOCUMENTS FOR CEILING TYPES.

NECK

SIZE PLUS

. AIR DISTRIBUTION DEVICES LOCATED IN SMALL ROOMS WHERE FULL 24x24 LAY-IN GRID SPACE IS NOT AVAILABLE SHALL BE PROVIDED WITH SURFACE MOUNTING BORDERS IN LIEU OF LAY-IN, AND SHALL BE SURFACE-MOUNTED IN A CEILING TILE. SECURE EACH SUCH DEVICE TO CEILING GRID WITH FIELD-FABRICATED SUPPORTS ON TOP SIDE OF TILE, SO THAT TILE DOES NOT SAG OR CRACK.

3. BRANCH DUCTWORK SHALL BE RAN FULL SIZE OF DIFFUSER/GRILLE NECK SIZE UNLESS OTHERWISE NOTED.

4. DIFFUSER/GRILLE SHALL BE PAINTED TO MATCH CEILING COLOR. REFER TO ARCHITECTURAL & INTERIOR DOCUMENTS FOR CEILING COLOR.

CONDENSATE PUMP SCHEDULE EQUIPMENT VOLTS / GAL. PER FT.												
MARK	MFGR	MODEL	SERVED	PHASE	HP	HOUR	HEAD					
CP-5	LITTLE GIANT	VCMX-20ULS-C	FCU-5	120 / 1	1/30	60	10					
CP-6	LITTLE GIANT	VCMX-20ULS-C	FCU-6	120 / 1	1/30	60	10					
CP-7	LITTLE GIANT	VCMX-20ULS-C	FCU-7	120 / 1	1/30	60	10					
CP-8	LITTLE GIANT	VCMX-20ULS-C	FCU-8	120 / 1	1/30	60	10					
CP-9	LITTLE GIANT	VCMX-20ULS-C	FCU-9	120 / 1	1/30	60	10					
CP-10	LITTLE GIANT	VCMX-20ULS-C	FCU-10	120 / 1	1/30	60	10					
NOTES:												

2. PROVIDE WITH OVERFLOW DETECTION SWITCH. 3. PROVIDE WITH MINIMUM 3 YEAR WARRANTY.

5. PROVIDE WITH STAINLESS STEEL MOTOR SHAFT.

4. CONDENSATE PUMP SHALL HAVE AUTOMATIC START AND STOP OPERATION.

	SPLIT DX FAN COIL UNIT SCHEDULE														
								CAPACITY		ENT. AIR DATA		HEATING	ELECTRICAL DATA		
					REFRIG.			TOTAL	SENSIBLE		WB	CAPACITY			VOLTS /
MARK	MFGR	MODEL	TYPE	AREA SERVED	TYPE	CFM	OA CFM	(BTUH)	(BTUH)	DB (°F)	(°F)	(BTUH)	MCA	MOCP	PHASE
FCU-1	DAIKIN	FTQ48TAVJUA	VERTICAL CONCEALED	HOUSING POD CHASE	R-410A	1,520	-	48,000	32,700	80	67	54,000	6.5	15	208 / 1
FCU-2	DAIKIN	FTQ48TAVJUA	VERTICAL CONCEALED	HOUSING POD CHASE	R-410A	1,520	-	48,000	32,700	80	67	54,000	6.5	15	208 / 1
FCU-3	DAIKIN	FTQ48TAVJUA	VERTICAL CONCEALED	HOUSING POD CHASE	R-410A	1,520	-	48,000	32,700	80	67	54,000	6.5	15	208 / 1
FCU-4	DAIKIN	FTQ48TAVJUA	VERTICAL CONCEALED	HOUSING POD CHASE	R-410A	1,520	-	48,000	32,700	80	67	54,000	6.5	15	208 / 1
FCU-5	DAIKIN	FBQ36PVJU	HORIZONTAL CONCEALED	ROVER STATION	R-410A	1,000	500	36,000	27,200	80	67	40,000	6.5	15	208 / 1
FCU-6	DAIKIN	FAQ24TAVJUR	DUCTLESS WALL-MOUNTED	EM ELECT. SWGR. C160	R-410A	635	-	24,000	18,000	80	67	27,000	0.6	15	208 / 1
FCU-7	DAIKIN	FAQ24TAVJUR	DUCTLESS WALL-MOUNTED	ELECT. SWGR. C161	R-410A	635	-	24,000	18,000	80	67	27,000	0.6	15	208 / 1
FCU-8	DAIKIN	FAQ24TAVJUR	DUCTLESS WALL-MOUNTED	WATER METER MAIN C162	R-410A	635	-	24,000	18,000	80	67	27,000	0.6	15	208 / 1
FCU-9	DAIKIN	FAQ24TAVJUR	DUCTLESS WALL-MOUNTED	SEC. / DATA C206	R-410A	635	-	24,000	18,000	80	67	27,000	0.6	15	208 / 1
FCU-10	DAIKIN	FAQ24TAVJUR	DUCTLESS WALL-MOUNTED	COR. C159	R-410A	635	-	24,000	18,000	80	67	27,000	0.6	15	208 / 1

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS AND ADDITIONAL REQUIREMENTS. 2. PROVIDE SINGLE POINT (SINGLE CIRCUIT) ELECTRICAL CONNECTION.

3. PROVIDE ONE (1) SET OF CONSTRUCTION AIR FILTERS AND ONE (1) SET OF NEW FILTERS TO BE INSTALLED AT TIME OF C.O. 4. INSTALL PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

5. PROVIDE ALL MANUFACTURER AND CODE REQUIRED CLEARANCES. 6. PROVIDE 3" HIGH GALVANIZED STEEL AUXILIARY DRAIN PAN FOR ALL FCUS EXCEPT WALL-MOUNTED.

7. SEE DIVISION 26 FOR DISCONNECT.

8. INDOOR AND OUTDOOR EQUIPMENT SHALL BE MATCHED SET BY THE SAME MANUFACTURER. 9. DRAIN PAN HIGH LEVEL SAFETY SWITCH SHALL BE WIRED IN SERIES WITH UNIT SAFETY CIRCUIT FOR UNIT SHUTDOWN. 10. PROVIDE CONDENSATE TRAP AND PIPING FROM UNIT TO NEAREST HUB DRAIN. REFER TO PLUMBING DRAWINGS FOR HUB DRAIN LOCATIONS.

11. ALL REFRIGERANT LINE SIZES SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, INCLUDING ALL RECOMMENDED REFRIGERANT LINE ACCESSORIES.

12. PROVIDE MANUFACTURER'S STANDARD WIRED THERMOSTAT (WIRELESS IS NOT ACCEPTABLE).

	CONDENSING UNIT SCHEDULE (HEAT PUMP)													
	BASIS	OF DESIGN						E	LECTR	ICAL DATA				
PLAN MARK	MFGR	MODEL	EQUIPMENT SERVED	REFRIG.	TOTAL COOLING RATING (BTU/H)	HEATING CAPACITY (BTU/HR)	SEER	MCA	МОР	VOLTS / PHASE	WEIGHT (LB)			
CU-1	DAIKIN	RZQ48TAVJUA	FCU-1	R-410A	48,000	54,000	14.8	29.1	35	208 / 1	225			
CU-2	DAIKIN	RZQ48TAVJUA	FCU-2	R-410A	48,000	54,000	14.8	29.1	35	208 / 1	225			
CU-3	DAIKIN	RZQ48TAVJUA	FCU-3	R-410A	48,000	54,000	14.8	29.1	35	208 / 1	225			
CU-4	DAIKIN	RZQ48TAVJUA	FCU-4	R-410A	48,000	54,000	14.8	29.1	35	208 / 1	225			
CU-5	DAIKIN	RZQ36TAVJUA	FCU-5	R-410A	36,000	40,000	17.5	29.1	35	208 / 1	225			
CU-6	DAIKIN	RZQ24TAVJU	FCU-6	R-410A	24,000	27,000	17.6	16.5	25	208 / 1	175			
CU-7	DAIKIN	RZQ24TAVJU	FCU-7	R-410A	24,000	27,000	17.6	16.5	25	208 / 1	175			
CU-8	DAIKIN	RZQ24TAVJU	FCU-8	R-410A	24,000	27,000	17.6	16.5	25	208 / 1	175			
CU-9	DAIKIN	RZQ24TAVJU	FCU-9	R-410A	24,000	27,000	17.6	16.5	25	208 / 1	175			
CU-10	DAIKIN	RZQ24TAVJU	FCU-10	R-410A	24,000	27,000	17.6	16.5	25	208 / 1	175			

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS AND ADDITIONAL REQUIREMENTS. 2. PROVIDE HOUSEKEEPING PAD FOR MOUNTING UNIT AT GRADE OUTSIDE THE BUILDING. PAD SHALL EXTEND A MINIMUM OF 6 INCHES BEYOND EQUIPMENT ON ALL SIDES. WHERE LOCATED ADJACENT TO BUILDING, PAD SHALL EXTEND TO THE BUILDING. 3. INSTALL AS DETAILED AND PER MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.

6. PROVIDE MINIMUM 4" PVC CONDUIT WITH LONG RADIUS ELBOWS FOR RS/RL PIPING BETWEEN CONDENSING UNIT OUTSIDE AND INTO THE BUILDING.

4. PROVIDE ALL MANUFACTURER AND CODE REQUIRED CLEARANCES. 5. SEE DIVISION 26 FOR DISCONNECT.

	FAN SCHEDULE																
PLAN	PLAN BASIS OF DESIGN					SP (IN.	FAN			MOTOR	VOLTS /	DRIVE		SMOKE	EMERGENCY		WEIGHT
MARK	MFGR	MODEL	TYPE	FAN SERVICE	CFM	WĠ.)	RPM	BHP	HP	RPM	PHASE	TYPE	VFD	CONTROL	POWER	ACCESSORIES	(LB)
EF-1	COOK	70SQN15D	SQUARE INLINE	J.C. / STOR. C155	100	0.35	1,622	99 W	1/20	1,550	120 / 1	DIRECT	No	No	No	4, 5	35
EF-2	COOK	70SQN15D	SQUARE INLINE	J.C. C205	100	0.35	1,622	99 W	1/20	1,550	120 / 1	DIRECT	No	No	No	4, 5	35
SEF-1	COOK	270QMX-XP	MIXED FLOW	HOUSING POD C SMOKE EXHAUST	10,000	3.5	1,260	7.92	15.0	1,725	460 / 3	BELT	Yes	Yes	Yes	1, 2, 3	1,185
SSF-1	COOK	245QMX-XP	MIXED FLOW	HOUSING POD C SMOKE MAKE-UP	8,500	3.5	1,145	6.78	7.5	1,725	460 / 3	BELT	Yes	Yes	Yes	1, 2, 3	1,027
ACCESSORI	ES:		SMOKE CONTROL NO	TES:				•		•							•

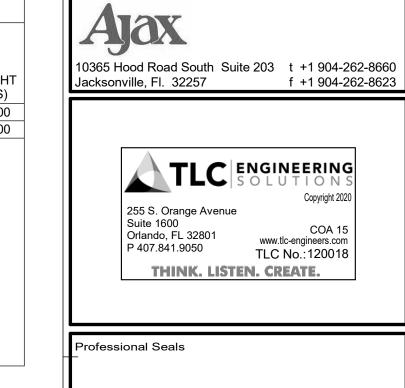
1. MOTORIZED DAMPER 1. FANS SHALL BE UL LISTED FOR SMOKE CONTROL.

2. COMPANION FLANGES 2. PROVIDE 1.5 TIMES REQUIRED NUMBER OF BELTS FOR BELT DRIVE FANS SERVING STAIRWELLS (MINIMUM 2 BELTS). 3. SPARK / EXPLOSION PROOF 3. FAN MOTOR SHALL HAVE MINIMUM SERVICE FACTORS OF 1.5.

3. PROVIDE ALL MANUFACTURER AND CODE REQUIRED CLEARANCES.

4. BACKDRAFT DAMPER 5. FAN SPEED CONTROLLER

> 1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS AND ADDITIONAL REQUIREMENTS. 2. SEE DIVISION 26 FOR DISCONNECT SWITCH.



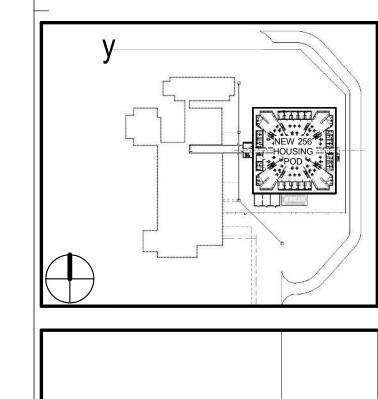
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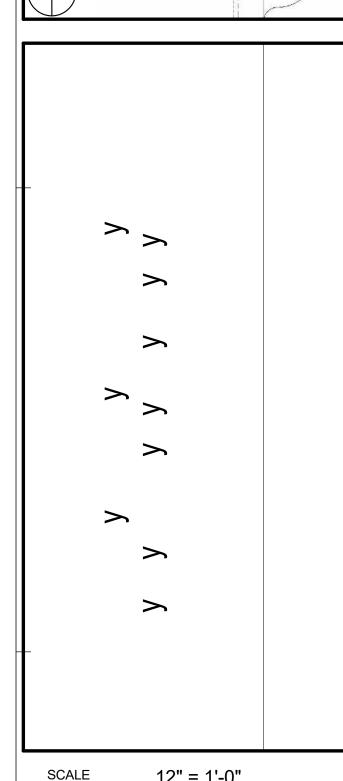
Suite 1000, Orlando, FL

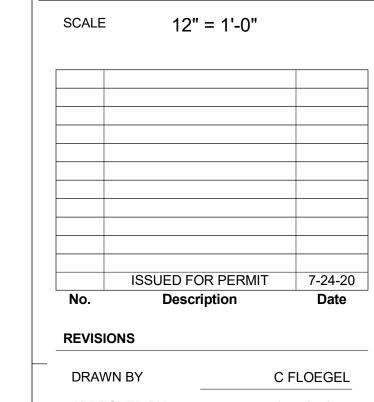
WEIGHT

(LBS)









APPROVED BY C FLOEGEL C FLOEGEL CHECKED BY JULY 24, 2020 HVAC

SCHEDULES

50101397

PROJECT NO.

DESTROY AFTER USE