

TRANE SPLIT SYSTEM SCHEDULE (BY LL)

TAG NAME	AHU/CU-1	AHU/CU-2	AHU/CU-3	AHU/CU-4	AHU/CU-5	AHU/CU-6
AHU MODEL NUMBER	TWE090	TWE120	TAMM40C60	TWE180	TWE180	TWE120
CU MODEL NUMBER	TWA090	TWA120	4TWA4060	TWA180	TWA180	TWA120
CU UNIT SIZE	7.5	10.0	5.0	15.0	15.0	10.0
AHU FIELD APPLIED VOLTAGE	460/60/3	460/60/3	460/60/3	460/60/3	460/60/3	460/60/3
CU VOLTAGE	460/60/3	460/60/3	460/60/3	460/60/3	460/60/3	460/60/3
AHU MAX. UNIT OPERATING WEIGHT	360	429	216	729	729	429
CU MAX. UNIT OPERATING WEIGHT	382	382	253	898	898	382
COOLING PERFORMANCE						
ELEVATION	30	30	30	30	30	30
DESIGN AIRFLOW	2,400	2,800	1,590	4,800	4,800	3,200
OUTSIDE AIRFLOW	365	785		645		540
AMBIENT TEMP	103.0	103.0	103.0	103.0	103.0	103.0
COOLING ENTERING DB	75.1	78.7	75.0	74.6	78.5	75.5
COOLING ENTERING WB	64.5		64.5	64.3	67.2	64.9
COOLING LEAVING UNIT DB	53.4	57.0		57.5	60.4	54.4
COOLING LEAVING UNIT WB	52.2	56.2	53.2	56.1	58.9	53.7
GROSS TOTAL CAPACITY	MBH	53.3	31.8	123.3	132.5	111.0
GROSS SENSIBLE CAPACITY	MBH	57.3	34.6	95.7	100.0	78.1
COP AT ARI	3.30	3.30	3.60	2.70	2.96	3.30
EER AT ARI	11.0	11.0	12.3	10.6	10.6	11.0
SUPPLY FAN						
DESIGN ESP	0.80	0.80	0.50	0.80	0.80	0.80
HEATING PERFORMANCE						
HEATING CAPACITY	61.0	52.7	61.1	61.6	53.2	60.0
ELECTRICAL HEATING CAPACITY	KW	10.0	10.0	19.9	19.9	10.0
HP HEATING CAPACITY	MBH	50.52	67.21	36.70	122.80	67.21
HEATING AMBIENT	°F	20.0	20.0	20.0	20.0	20.0
ELECTRICAL DATA						
AHU - MCA	A	18.1	18.6	19.1	35.7	18.6
AHU - MOP	A	20	20	20	40	20
CU - MCA	A	16.0	20.0	10.0	33.4	20.0
CU - MOP	A	20	25	15	40	25

- FACTORY PROVIDED AND INSTALLED OPTIONS:**
- MULTI-STAGE SUPPLY FAN.
 - HAIL GAURDS.
 - 5-YEAR COMPRESSOR PARTS WARRANTY.

- FACTORY PROVIDED, FIELD INSTALLED OPTIONS:**
- AIRSIDE ECONOMIZER WITH INTEGRAL CONTROLS.

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	GROUP	TYPE/PATTERN	BORDER/MOUNT	CONSTRUCTION	MANUF.	MODEL	NOTES
A1		DOUBLE DEFLECTION	DUCT (FLUSH MOUNT)	ALUMINUM, CLEAR ANODIZED	TITUS	S300FS	NECK SIZE PER PLANS. FURNISH WITH ASD - AIR SCOOP DAMPER/EXTRACTOR (ASD TO BE SAME SIZE AS INLET).
A2		DOUBLE DEFLECTION	DUCT (SURFACE MOUNT)	ALUMINUM, CLEAR ANODIZED	TITUS	300FS	NECK SIZE PER PLANS. FURNISH WITH OPPOSED BLADE BALANCING DAMPER AND FRONT BLADES PARALLEL TO THE SHORT DIMENSION.
A3		24 X 24 360 DEGREE HORIZONTAL	CEILING (SURFACE MOUNT)	STEEL, WHITE	TITUS	OMNI	FURNISH WITH OPPOSED BLADE BALANCING DAMPER. NECK SIZE PER PLANS.
A4		12 X 12 360 DEGREE HORIZONTAL	CEILING (SURFACE MOUNT)	STEEL, WHITE	TITUS	OMNI	FURNISH WITH OPPOSED BLADE BALANCING DAMPER.
A5		DOUBLE DEFLECTION	DUCT (SURFACE MOUNT)	ALUMINUM, WHITE	TITUS	300FS	NECK SIZE PER PLANS. FURNISH WITH OPPOSED BLADE BALANCING DAMPER AND FRONT BLADES PARALLEL TO THE SHORT DIMENSION.
B1		SIDEWALL RETURN GRILLE	SURFACE MOUNT	ALUMINUM, WHITE	TITUS	25FL	SIZE PER PLANS. CONSTRUCTION WITH 1/2" BLADES SPACING AND 30 DEG. DEFLECTION. (INSTALL INVERTED)
B2		24" x 24" CEILING MOUNTED (DUCTED)	LAY-IN CEILING (SEE NOTE 3)	ALUMINUM, WHITE	TITUS	PAR	NECK SIZE PER PLANS.

- NOTES:**
- PROVIDE MAKE AND MODEL SPECIFIED.
 - COORDINATE AIR DEVICE COLOR SELECTION WITH ARCHITECT.
 - ALL 12"x12" AND 24"x24" CEILING MOUNTED SUPPLY AND RETURNS IN GYP OR PLASTER CEILINGS SHALL BE INSTALLED WITH A LAY-IN PLASTER FRAME EQUAL TO TITUS MODEL TRM.
 - ALL ADJUSTABLE LINEAR SUPPLY AIR DEVICES IN GYP OR PLASTER CEILING SHALL BE INSTALLED WITH A LAY-IN PLASTER FRAME EQUAL TO TITUS MODEL PF-TBD.
 - ASD IS A NON-NEGOTIABLE ITEM. SUBSTITUTIONS WILL BE REJECTED.

FAN SCHEDULE

MARK	MFR	MODEL	CFM	S.P. (IN W.G.)	ELECTRICAL		OPER WT (LBS)	REMARKS
					H.P.	VOLT/PH/Hz		
EF-1	LOREN COOK	GC-166	100	0.50	41 WATTS	120/1/60	15	1,2,3,4
EF-2	LOREN COOK	GC-168	100	0.50	41 WATTS	120/1/60	15	1,2,3,4

- REMARKS:**
- PROVIDE FACTORY INSTALLED DISCONNECT SWITCH.
 - EXHAUST FAN TO BE CONTROLLED BY LIGHT SWITCH.
 - PROVIDE HANGING SPRING ISOLATION KIT.
 - PROVIDE GRAVITY BACKDRAFT DAMPER.

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BID DOCUMENT ONLY

Not Intended for Construction or Permit.
 This document is released under the authority of:
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 PROJECT #006-151817-00/#006-151412-00

ISSUED / REVISED	DATE
FEASIBILITY SET	08/10/17
PRELIMINARY SET	09/28/17
LL CD SET	11/30/17
PERMIT SET	12/18/17
BID SET	01/04/18

HVAC SCHEDULES & CALCULATIONS
M-002

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