

MARK	LOCATION	TYPE	TOTAL AIR CFM	OUTSIDE AIR CFM (4)	EXT. SP H ₂ O	ELECTRICAL DATA				COOLING COIL (DX)			HEATING COIL (ELECTRIC)			ON EMERGENCY POWER	REMARKS
						MTR HP	VOLTS/PH/Hz	MCA AMPS	MCB AMPS	MIN. SENSIBLE CAPACITY BTUH	MIN. TOTAL CAPACITY BTUH	EDB °F/ EWB °F	KW	CAPACITY BTUH	EAT °F		
AHU-1, 3, 9, 11	ABOVE CEILING	HORIZONTAL DRAW THRU	600	45	0.4	1/3	208/1/60	44.7	45	13,400	15,900	80/65	6.0	20,400	68	YES	TRANE 4TEC3F18
AHU-2, 4, 14	ABOVE CEILING	HORIZONTAL DRAW THRU	800	60	0.4	1/3	208/1/60	44.7	45	17,600	20,900	80/65	6.0	20,400	68	YES	TRANE 4TEC3F24
AHU-7, 12, 13	ABOVE CEILING	HORIZONTAL DRAW THRU	1000	75	0.4	1/3	208/3/60	32	35	20,800	25,900	80/65	6.8	23,200	68	YES	TRANE 4TEC3F30
AHU-10	ABOVE CEILING	HORIZONTAL DRAW THRU	1200	90	0.4	1/2	460/3/60	17.1	20	24,900	30,900	80/65	10.0	34,100	68	YES	TRANE 4TEC3F36
AHU-6, 8	ABOVE CEILING	HORIZONTAL DRAW THRU	1400	105	0.4	1/2	460/3/60	17.8	20	30,000	37,600	80/65	10.0	34,100	68	YES	TRANE 4TEC3F42
AHU-5	WALL MOUNTED	HORIZONTAL DRAW THRU	400	0	0.15	0.02	120/1/60	0.8	15	6,800	9,000	80/65				YES	EMI WLH09 (PROVIDE WITH CONDENSATE PUMP)
AHU-15	WALL MOUNTED	HORIZONTAL DRAW THRU	700	0	0.15	0.07	208/1/60	1.5	15	18,000	24,000	80/65				YES	EMI WLH24 (PROVIDE WITH CONDENSATE PUMP)

- | OUTDOOR CONDENSING UNIT SCHEDULE | | | | | | | | | | | | | |
|----------------------------------|----------------|--------------|--------------|----------|----------|------------------|------------|--------------------|-----------|--------------------|-----------------|--------------------|--|
| MARK | MIN. CAP. BTUH | REFRIG-ERANT | VOLTS/ PH/HZ | MCA AMPS | MCB AMPS | MINIMUM EER/SEER | COMPRESSOR | | CONDENSER | | | ON EMERGENCY POWER | REMARKS |
| | | | | | | | NO. | MAX. SUCT. TEMP °F | ROWS | MAX. COND. TEMP °F | AMBIENT TEMP °F | | |
| CU-1, 3, 9, 11 | 15,900 | R-410A | 208/1/60 | 11.7 | 15 | 14.0 | 1 | 45 | 2 | 120 | 105 | YES | TRANE 4TWB3018 |
| CU-2, 4, 14 | 20,900 | R-410A | 208/1/60 | 17.5 | 25 | 14.0 | 1 | 45 | 2 | 120 | 105 | YES | TRANE 4TWB3024 |
| CU-7, 12, 13 | 25,900 | R-410A | 208/3/60 | 13.4 | 20 | 14.0 | 1 | 45 | 2 | 120 | 105 | YES | TRANE 4TWA3030 |
| CU-10 | 30,900 | R-410A | 460/3/60 | 7 | 15 | 14.0 | 1 | 45 | 2 | 120 | 105 | YES | TRANE 4TWA3036 |
| CU-6, 8 | 37,600 | R-410A | 460/3/60 | 9 | 15 | 14.0 | 1 | 45 | 2 | 120 | 105 | YES | TRANE 4TWA3042 |
| CU-5 | 9,000 | R-22 | 120/1/60 | 9.8 | 15 | 13.0 | 1 | 45 | 2 | 120 | 105 | YES | EMI S1C4S (CONDENSING UNIT WITH LOW AMBIENT CONTROL) |
| CU-15 | 24,000 | R-22 | 208/1/60 | 7.6 | 15 | 13.0 | 1 | 45 | 2 | 120 | 105 | YES | EMI S1C8D (CONDENSING UNIT WITH LOW AMBIENT CONTROL) |

- | KITCHEN TYPE I HOOD SCHEDULE (CaptiveAire) | | | | | | | | | | | | | | | | | | | |
|--|-----------|----------------------------|--------------------|----------------|---------|-------|-------|------|---------|----------------|---------|-------|-------|-----|------|------------------------|--------------|-------|-------------|
| HOOD NO. | MODEL | LENGTH | MAX. COOKING TEMP. | EXHAUST FLENUM | | | | | | SUPPLY FLENUM | | | | | | HOOD CONSTRUCTION | HOOD CONFIG. | | HOOD WEIGHT |
| | | | | TOTAL EXH. CFM | REVERSE | | | | | TOTAL SUP. CFM | REVERSE | | | | | | END TO END | ROW | |
| | | | | | WIDTH | LENG. | DEPT. | CFM | S.P. | | WIDTH | LENG. | DEPT. | CFM | S.P. | | | | |
| 1 & 2 | 4824 ND-2 | 8' 0.00"Nom.
8' 0.00"OD | 450 Deg. | 2400 | 10" | 23" | | 2400 | -0.563" | 0 | | | | | | 18 GA SS Where Exposed | ALONE | FRONT | 314 LBS. |

MARK	LOCATION MOUNTING HEIGHT	HP/ VOLTS/ PH/HZ	K.W.	REMARKS
UH-1	APPROX. 8'-0"	1/50-120/1/60	2.6	CHROMALOX LUH

- 1
(TYP.)

- | MARK | SERVICE | TYPE | CFM | SP
(INCHES
WATER) | HP
(WATTS) | VOLTS/
PHASE/
HERTZ | RPM | INTERLOCK
WITH | DRIVE
TYPE | ON
EMERGENCY
POWER | REMARKS |
|---------------|-------------------------|--------------------------------------|------|-------------------------|---------------|---------------------------|------|--|---------------|--------------------------|---|
| EF-A (QTY 17) | CLASSROOM
RESTROOMS | CEILING | 100 | 0.375 | (80W) | 120/1/60 | 1925 | BMS WITH OCCUPANCY
SENSOR. OVERRIDE | DIRECT | NO | GREENCHECK SP-B110 |
| EF-1 | RESTROOM | CEILING | 100 | 0.375 | (80W) | 120/1/60 | 1925 | DEDICATED SWITCH | DIRECT | NO | GREENCHECK SP-B110 |
| EF-2 | BREAK ROOM | CEILING | 100 | 0.375 | (80W) | 120/1/60 | 1925 | DEDICATED SWITCH | DIRECT | NO | GREENCHECK SP-B110 |
| EF-3 | RESTROOMS | INLINE | 600 | 0.375 | 1/8 | 120/1/60 | 1550 | BMS | DIRECT | NO | GREENCHECK SQ-95-D |
| EF-4, 5 | BOYS, GIRLS
RESTROOM | INLINE | 480 | 0.35 | 1/10 | 120/1/60 | 1550 | BMS | DIRECT | NO | GREENCHECK SQ-90-D |
| EF-6 | MISC. ROOMS | INLINE | 200 | 0.30 | 1/20 | 120/1/60 | 1300 | BMS | DIRECT | NO | GREENCHECK SQ-80-G |
| EF-7 | MISC. ROOMS | ROOF MOUNTED
CENTRIF. | 720 | 0.5 | 1/4 | 120/1/60 | 1350 | BMS | BELT | NO | GREENCHECK GB-091-4 |
| EF-8 | MISC. ROOMS | ROOF MOUNTED
CENTRIF. | 960 | 0.5 | 1/4 | 120/1/60 | 1600 | BMS | BELT | NO | GREENCHECK GB-091-4 |
| EF-9 | MISC. ROOMS | ROOF MOUNTED
CENTRIF. | 300 | 0.4 | 1/6 | 120/1/60 | 1700 | BMS | BELT | NO | GREENCHECK GB-081-6 |
| EF-10 | FUME HOOD | HIGH PLUME | 600 | 0.5 | 1/3 | 120/1/60 | 1700 | HOOD SWITCH | BELT | YES | GREENCHECK VECTOR-H SIZE 9 (6" NOZZLE, PLUME RISE 16.0 FEET) |
| EF-11 | FUME HOOD | HIGH PLUME | 600 | 0.5 | 1/3 | 120/1/60 | 1700 | HOOD SWITCH | BELT | YES | GREENCHECK VECTOR-H SIZE 9 (6" NOZZLE, PLUME RISE 16.0 FEET) |
| EF-12 | MISC. ROOMS | ROOF MOUNTED
CENTRIF. | 300 | 0.4 | 1/6 | 120/1/60 | 1700 | BMS | BELT | YES | GREENCHECK GB-081-6 |
| EF-13 | FUME HOOD | HIGH PLUME | 600 | 0.5 | 1/3 | 120/1/60 | 1700 | HOOD SWITCH | BELT | YES | GREENCHECK VECTOR-H SIZE 9 (6" NOZZLE, PLUME RISE 16.0 FEET) |
| EF-14 | PLAYGROUND | TUBULAR | 6000 | 0.5 | 2 | 208/3/60 | 1550 | BMS | BELT | NO | GREENCHECK TCB-1-1-22 |
| KEF-1 | TYPE I HOOD | UPBLAST | 3350 | 1.5 | 3 | 208/3/60 | 930 | KITCHEN HOOD SWITCH | BELT | YES | CAPTIVE AIRE NCA24HPFA |
| KEF-2 | DISHWASHER | INCLINE | 550 | 0.5 | 1/4 | 120/1/60 | 1700 | DEDICATED SWITCH | BELT | YES | GREENCHECK BSQ-80-4 |
| KSF-1 | TYPE I HOOD
MAKEUP | DIRECT GAS-FIRED
HEATING ROOF MTD | 2680 | 0.5 | 2 | 208/3/60 | 1275 | KITCHEN HOOD SWITCH | BELT | YES | CAPTIVE AIRE A1-0.250-G10 (WITH
GAS-FIRED SECTION 150-600 BTU/H INPUT) |

- | MARK | CFM RANGE | SERVICE | TYPE | MOUNTING | VOLUME CONTROL | SIZE (INCHES) | | MATERIAL | REMARKS |
|------|-----------|----------------|---------------|----------|----------------|---------------|---------|----------|--|
| | | | | | | FACE | NECK | | |
| A1 | 0-150 | SUPPLY | LOUVERED | CEILING | YES | 12"x12" | 6" | ALUMINUM | TITUS TMS-AA |
| A | 0-150 | SUPPLY | LOUVERED | CEILING | YES | 24"x24" | 6" | ALUMINUM | TITUS TMS-AA |
| B | 151-250 | SUPPLY | LOUVERED | CEILING | YES | 24"x24" | 8" | ALUMINUM | TITUS TMS-AA |
| C | 251-350 | SUPPLY | LOUVERED | CEILING | YES | 24"x24" | 10" | ALUMINUM | TITUS TMS-AA |
| D | 351-500 | SUPPLY | LOUVERED | CEILING | YES | 24"x24" | 12" | ALUMINUM | TITUS TMS-AA |
| E | 0-2000 | RETURN/EXHAUST | EGGCRATE | CEILING | NO | 24"x24" | 22"x22" | ALUMINUM | TITUS 50F |
| F | 350-400 | SUPPLY | SLOT DIFFUSER | SIDEWALL | YES | 3"x72" | 3"x72" | ALUMINUM | TITUS ML-39, 1/2 INCH, 3 SLOT WITH PLENUM) |
| G | 0-1000 | RETURN/EXHAUST | EGGCRATE | CEILING | NO | 12"x12" | 10"x10" | ALUMINUM | TITUS 50F |
| H | 1400 | SUPPLY/RETURN | GRILLE | SIDEWALL | YES | 32"x14" | 30"x12" | ALUMINUM | TITUS 300FS |
| J | 50-100 | SUPPLY/RETURN | GRILLE | SIDEWALL | YES | 8"x8" | 6"x6" | ALUMINUM | TITUS 300FS |
| K | 0-150 | SUPPLY | LOUVERED | CEILING | YES | 24"x24" | 8" | ALUMINUM | TITUS T350-4 WITH HEATING AND COOLING SETPOINT |
| L | 200-300 | SUPPLY/RETURN | GRILLE | SIDEWALL | YES | 10"x10" | 8"x8" | ALUMINUM | TITUS 300FS |
| M | 965 | SUPPLY | SLOT DIFFUSER | SIDEWALL | YES | 8"x72" | 8"x72" | ALUMINUM | TITUS ML-39, 1 INCH, 8 SLOT WITH PLENUM) |
| N | 600-700 | SUPPLY | GRILLE | SIDEWALL | YES | 18"x12" | 16"x10" | ALUMINUM | TITUS 272FL |
| P | 350-450 | SUPPLY | GRILLE | SIDEWALL | YES | 12"x10" | 10"x8" | ALUMINUM | TITUS 272FL |
| Q | 900-1000 | SUPPLY | LOUVERED | CEILING | YES | 24"x24" | 16" | ALUMINUM | TITUS TMS-AA |

- Engineering, LLC**
MEP CONSULTING ENGINEERING
595 Round Rock West Dr., Unit 103 • Round Rock • TX 78681
www.AYSeng.com • 512-961-6835