

SINGLE PACKAGED A/C UNIT SCHEDULE				
PLAN MARK	PU-1	PU-2	RTU-1	
SYSTEM TYPE	PACKAGE DX	PACKAGE DX	PACKAGE DX	
NOMINAL TONS	8½	12½	10	
AREA SERVED	THEATER 2	THEATER 2	KITCHEN	
SUPPLY AIR FLOW (CFM)	3500	4500	4000	
OUTSIDE AIR FLOW (CFM)	450	600	600	
COIL:				
ENT. AIR TEMP. (DB/WB)	77.9/64.7	77.9/64.7		
Lvg. AIR TEMP. (DB/WB)	-	-		
TOTAL CAPACITY (MBH)	105.0	149.0		
SENSIBLE CAPACITY (MBH)	81.3	106.0		
FACE AREA	12.36	17.5		
ROWS/FPI	5/16	2/15		
EVAP. FAN:				
DRIVE TYPE	DIRECT	BELT		
STATIC PRESS. (EXT./TOTAL)	1.4/-	1.4/-		
MOTOR (HP/RPM)	2 / VARIABLE	5 / -		
HEATER:				
STAGES	1	1		
KW	18.0	36.0		
COMPRESSOR:				
STAGES	2	2		
NO./RLA/LRA	10/62, 5.4/39	2 @ 10.0/75		
UNIT POWER REQUIREMENTS:				
VOLTS/Ø	460/3	460/3		
MCA	32.5	65		
MFS	35	70		
SEER/EER/IPLV	-/9.2/9.4	-/8.5/8.9		
MANUFACTURER	TRANE	TRANE		
MODEL NUMBER	THC102F	TH150F		
OPERATING WEIGHT (LBS.)	1043	1634		
NOTES:				
1. PROVIDE ALL UNITS WITH FACTORY THERMOSTAT, SINGLE POINT ELECTRICAL CONNECTION AND FIRESTAT.				
2. PROVIDE 5 MINUTE ANTI-CYCLE TIMER.				
3. FILTERS SHALL BE MERV 8 PLEATED MEDIA, DISPOSABLE TYPE IN A RIGID FRAME WITH A SUPPORTING MAZE ACROSS BOTH ENTERING AND LEAVING SURFACES. SUPPLY ONE COMPLETE SET OF EXTRA FILTERS AFTER OWNER'S FINAL ACCEPTANCE.				
4. PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR DUCTS OF AIR HANDLING UNITS AS INDICATED ON DRAWINGS. DETECTOR TO SHUT DOWN UNIT WHEN ACTIVATED.				
5. PROVIDE ROOF CURB AND OUTSIDE AIR INTAKE HOOD WITH MANUAL DAMPER FOR RTU-1.				
6. CONTRACTOR SHALL INSTALL EQUIPMENT TO COMPLY WITH REQUIRED ELECTRICAL CLEARANCES FOR THIS OR SURROUNDING EQUIPMENT. FIELD COORDINATE PRIOR TO INSTALLATION.				
7. PROVIDE STARTERS FOR UNITS NOT PROVIDED WITH BUILT-IN STARTERS OR CONTACTORS.				
8. PROVIDE FUSED DISCONNECT SWITCHES WITH GROUND LUG FOR HVAC EQUIPMENT.				
9. PU-1 AND PU-2 PROVIDE WITH VARIABLE SPEED FAN DRIVE AND CONTROL.				
10. PU-1 AND PU-2 MOUNTED AND SECURED TO REINFORCED CONCRETE PAD.				

DIFFUSERS, REGISTERS AND GRILLES SCHEDULE								
MARK	TYPE	MAX. NC LEVEL	MAX. PD (IN. WG.)	SIZE INCHES (Face/Neck)	MATERIAL	FINISH	MANUFACTURER MODEL NUMBER	REMARKS
(A)	LOUVERED FACE SUPPLY DIFFUSER	14	0.05	24"x24"/8"Ø	ALUMINUM	WHITE	PRICE ASCD	-
(B)	LOUVERED FACE SUPPLY DIFFUSER	15	0.04	24"x24"/10"Ø	ALUMINUM	WHITE	PRICE ASCD	-
(C)	LOUVERED FACE SUPPLY DIFFUSER	17	0.04	24"x24"/12"Ø	ALUMINUM	WHITE	PRICE ASCD	-
(D)	SUPPLY GRILLE	20	0.089	12"x12"/10"x10"	ALUMINUM	WHITE	PRICE AMD	-
(E)	RETURN/EXHAUST/TRANSFER GRILLE	25	0.073	24"x24"/22"x22"	ALUMINUM	WHITE	PRICE 81	-
(F)	RETURN/EXHAUST/TRANSFER GRILLE	25	0.095	12"x12"/10"x10"	ALUMINUM	WHITE	PRICE 81	-
(G)	SIDEWALL SUPPLY AIR REGISTER	-	-	8"x8"/6"x6"	ALUMINUM	WHITE	PRICE 620	-
(H)	SIDEWALL SUPPLY AIR REGISTER	-	0.16	14"x10"/12"x8"	ALUMINUM	WHITE	PRICE 620	-
(I)	FILTER BACK RETURN AIR GRILLE	-	-	12"x12"/10"x10"	ALUMINUM	WHITE	PRICE 730FF	-
NOTE:								
1. ALL HVAC REGISTERS AND GRILLES SHALL BE SECURELY SUPPORTED FROM THE STRUCTURAL MEMBERS AND NOT FROM THE ACOUSTICAL TILE CEILING.								
2. ALL SUPPLY AIR DIFFUSERS ARE TO BE FOUR WAY THROW UNLESS OTHERWISE INDICATED ON THE FLOOR PLAN.								
3. PROVIDE PLASTER MOUNTING FRAMES EQUAL TO PRICE SPF FOR ALL DIFFUSERS AND GRILLES INSTALLED IN HARD CEILINGS.								
4.								

SPLIT SYSTEM A/C UNIT SCHEDULE			
Plan Mark	AHU-3/CU-3	AHU-4/CU-4	
System Type	DX	DX	
Nominal Tons	20	7 1/2	
Area Served	1st FLOOR LOBBY / CONCESSIONS	2nd FLOOR OFFICE(S)	
Supply Air Flow (CFM)	8000	3000	
Outside Air Flow (CFM)	1200	450	
INDOOR UNIT			
Coil:			
Ent. Air Temp. (DB/WB)	77.9/64.7	77.9/64.7	
Lvg. Air Temp. (DB/WB)	-	-	
Total Gross Cap. (MBH)	241.9	92.0	
Sensible Gross Cap. (MBH)	172.6	65.5	
Face Area	21.6	8.1	
Rows/FPI	3/12	3/12	
Evap. Fan:			
Drive Type	BELT	BELT	
External/Total S.P.	1.2/-	1.4/-	
Motor (HP/RPM)	5 / VARIABLE	3 / -	
Volts/Ø	460/3	460/3	
Heater:			
Stages	2	1	
KW	30	15	
Volts/Ø	460/3	460/3	
Unit Power Requirements			
MCA	56	26	
MFS	60	30	
Manufacturer	TRANE	TRANE	
Model Number	TWE240E	TWE090-D	
OUTDOOR UNIT			
Compressor:			
Stages	2	1	
Compressors (No./RLA/LRA)	-/-/-	-/-/-	
Volts/Ø	460/3	460/3	
Condensator Fan:			
Fans (No./FLA)	-	-	
Volts/Ø	-	-	
Unit Power Requirements			
MCA	46.9	17.7	
MFS	60	25	
EER/COP/SEER/IPLV	10.0/-/-/12.1	11.2/-/-/12.4	
Manufacturer	TRANE	TRANE	
Model Number	TTA240E	TTA090-D	
Oper. Weight Indoor Unit	916	360	
Oper. Weight Outdoor Unit	867	353	
NOTES:			
1. PROVIDE ALL UNITS WITH FACTORY THERMOSTAT, SINGLE POINT ELECTRICAL CONNECTION AND FIRESTAT.			
2. PROVIDE 5 MINUTE ANTI-CYCLE TIMER.			
3. FILTERS SHALL BE MERV 8 PLEATED MEDIA, DISPOSABLE TYPE IN A RIGID FRAME WITH A SUPPORTING MAZE ACROSS BOTH ENTERING AND LEAVING SURFACES. SUPPLY ONE COMPLETE SET OF EXTRA FILTERS AFTER OWNER'S FINAL ACCEPTANCE.			
4. INSTALL DUCT SMOKE DETECTOR IN SUPPLY AIR DUCTS OF AIR HANDLING UNITS. DETECTOR TO SHUT DOWN UNIT WHEN ACTIVATED.			
5. CONTRACTOR SHALL INSTALL EQUIPMENT TO COMPLY WITH REQUIRED ELECTRICAL CLEARANCES FOR THIS OR SURROUNDING EQUIPMENT. FIELD COORDINATE PRIOR TO INSTALLATION.			
6. PROVIDE STARTERS FOR UNITS NOT PROVIDED WITH BUILT-IN STARTERS OR CONTACTORS.			
7. PROVIDE FUSED DISCONNECT SWITCHES WITH GROUND LUG FOR HVAC EQUIPMENT.			
8. PROVIDE LOW STATIC MOTOR ON 12½ TON UNIT.			
9. PROVIDE SINGLE ZONE VAV VARIABLE SPEED DRIVE AND CONTROLS FOR AHU-3 AND CU-3 SYSTEM.			

EXHAUST FAN SCHEDULE												
TAG	TYPE	AREA SERVED	DRIVE	CFM	ESP.	RPM	MOTOR		MANUFACTURER / MODEL	WEIGHT	MAX SONES	NOTES
							HP/WATTS	V/PH				
EF-1	ROOF	1st FL. MENS/WOMENS	DIRECT	675	1.0	1670	.25/-	115/1	GREENHECK CUE-099-VG	48	10	X
EF-2	ROOF	2nd FL RESTROOM	DIRECT	430	0.5	1485	1/15/-	115/1	GREENHECK CUE-090-D	23	6.9	X
EF-3	INLINE	THEATER 1	DIRECT	365	0.5	813	-/350	115/1	GREENHECK CSP-A700	35	0.6	X
EF-4	INLINE	THEATER 2	DIRECT	215	0.5	1026	-/150	115/1	GREENHECK CSP-A390	23	2.1	X
KEF-1	WALL	KITCHEN	DIRECT	---	-	-	-	-	GREENHECK --	-	-	X
KSF-1	ROOF	KITCHEN	DIRECT	---	-	-	-	-	GREENHECK ---	-	-	X
NOTES:												
1. PROVIDE BACKDRAFT DAMPER, DISCONNECT SWITCH, AND SCR SPEED CONTROL.												
2. INTERLOCK WITH LIGHT SWITCH.												
3. INTERLOCK WITH ASSOCIATED AHU.												
4. PROVIDE ENTIRE OSHA HOUSING.												
5. PROVIDE SEPERATE MANUAL SWITCH.												

40% PROGRESS SET 2/4/2014

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ADDITIONS + MODIFICATIONS
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SCALE
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