

AIR BALANCE SCHEDULE							
SUPPLY AIR UNIT	OUTSIDE AIRFLOW (CFM)	RETURN AIRFLOW (CFM)	SUPPLY AIRFLOW (CFM)	OA/SA %	EXHAUST AIR UNIT	EXHAUST AIRFLOW (CFM)	REMARKS
RTU-1	430	2570	3000	14	EF-1	1812	
EXISTING AC UNITS	750	2850	3600	20	EF-2	900	
MAU-1	2250	0	2250	100.0	EF-3	350	
TOTAL	3430	5420	8850	39	TOTAL	3062	
RESULTING BUILDING PRESSURIZATION						368 CFM	
PRESSURIZATION PERCENTAGE						3.59	

AIR CURTAINS													
MARK	LENGTH	CFM	MOTOR		HTG. MEDIA	MBH	KW	TEMP. RISE	ELECTRICAL				MARS MODEL NUMBER
			QUAN.	H.P.					VOLTS	PH	MCA	MOCP	
AC-1	36"	1379	1	1/2	ELEC.	41	12	27	208	3	--	--	STD236-1EEH-OB
AC-2	25"	625	1	1/6	ELEC.	20.1	6.1	31	208	1	--	--	LPV225-1EBC-OB

OPTIONS:
1. AUTOMATIC DOOR SWITCH.
2. UNIT MTG CONTROL PANEL.
3. THERMOSTAT CONTROL.
4. ON-OFF SWITCH.

DIFFUSERS, GRILLES AND REGISTERS						
MARK	SERVICE	LOCATION	CLG. TYPE	MANUFAC.	CATALOG NUMBER	REMARKS
D-1	SUPPLY	CEILING	AC TILE	TITUS	TMSA XX 24x24 3 26 [1]	SEE PLAN FOR NECK SIZE
D-2	SUPPLY	CEILING	GYP. BD.	TITUS	TMSA XX 12x12 3 26 [1-2]	SEE PLAN FOR NECK SIZE
D-3	SUPPLY	CEILING	AC TILE	TITUS	PAR XX 24x24 3 [1]	SEE PLAN FOR NECK SIZE
D-4	SUPPLY	DUCT	N/A	TITUS	TMRA XX 26 [1]	SEE PLAN FOR NECK SIZE
G-1	RETURN	CEILING	AC TILE	TITUS	50F X X 24x24 3 26 [1,3]	SEE PLAN FOR SIZE
G-2	EXHAUST	CEILING	GYP. BD.	TITUS	50F X X 12x12 3 26 [1-3]	SEE PLAN FOR SIZE

NOTES:
1. TITUS IS THE BASE OF DESIGN. KRUEGER, PRICE AND CARNES ARE EQUAL. NO EXCEPTIONS.
2. PROVIDE WITH MODEL TRM FRAME.
3. PROVIDE 1/2" X 1/2" X 1" CORE.

MAKE-UP AIR UNITS																	
MARK	CLG. CAP. (MBH)			COMP. KW	HTG CAP. (MBH)		CFM	EXT. S.P.	FAN HP	ELECTRICAL				WEIGHT (LBS)	SEER/ EER	REF. TYPE	CAPTIVEAIRE MODEL NUMBER
	SENS.	TOTAL	NOM. TONS		INPUT	OUTPUT				VOLTS	PH	MCA	MOCP				
MAU-1	--	--	5.0	--	184.9	170.1	2250	0.75	2.0	208	3	--	--	1544	14	R410A	SEE CAPTIVEAIRE DRAWINGS

NOTES:
1. PROVIDE ELECTRICAL INTERLOCK WITH EXHAUST FANS 1 AND 2.
2. SEE CAPTIVEAIRE PLANS FOR INFORMATION.

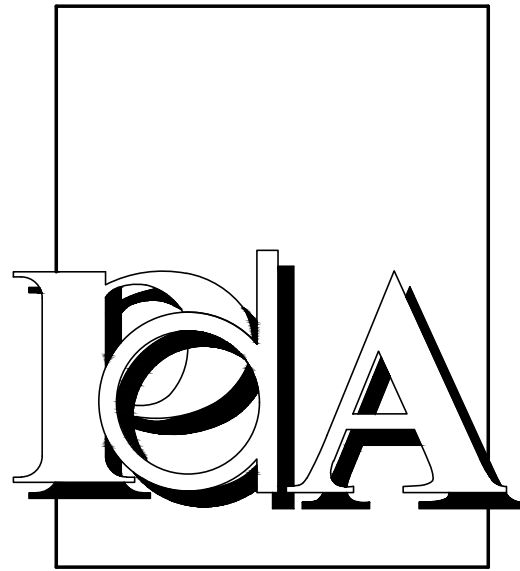
EXHAUST FANS												
MARK	LOCATION	SERVICE	CFM	EXT. S.P. (IN W.G.)	SONES	MOTOR DATA				RPM	MFR.	REMARKS
						HP	VOLTS	PH	CYC.			
EF-1	ROOF	HOOD-1	1812	1.0	15.2	0.75	208	3	60	1336	CAPTIVEAIRE	SEE CA DRAWINGS
EF-2	ROOF	HOOD-2	900	1.0	14.4	0.5	208	3	60	1422	CAPTIVEAIRE	SEE CA DRAWINGS
EF-3	ROOF	RESTROOMS	350	0.5	7.7	0.07	115	1	60	1550	GREENHECK	G-090-D

NOTES:
1. PROVIDE ELECTRICAL INTERLOCK WITH MAU-1.
2. PROVIDE MINIMUM 12" HEIGHT ROOF CURB.

ROOF TOP UNITS																	
MARK	CLG. CAP. (MBH)			COMP. KW	HTG CAP. (MBH)		CFM	EXT. S.P.	FAN HP	ELECTRICAL				WEIGHT (LBS)	SEER/ EER	REF. TYPE	MODEL NUMBER
	SENS.	TOTAL	NOM. TONS		INPUT	OUTPUT				VOLTS	PH	MCA	MOCP				
AC-1	—	—	3	—	—	—	1200	0.5	—	208	1	—	—	—	—	R410A	EXISTING (3)TON
AC-2	—	—	3	—	—	—	1200	0.5	—	208	1	—	—	—	—	R410A	EXISTING (3)TON
AC-3	—	—	3	—	—	—	1200	0.5	—	208	1	—	—	—	—	R410A	EXISTING (3)TON
AC-4	90	75	7.5	—	120	96	3000	0.5	2.0	208	3	43.5	50	—	12.5	R410A	YORK ZH09010

COOLING CAPACITIES BASED ON ARI STANDARD 210/240 OR 340/360: 80° F DB/ 67° F WB INDOOR ENTERING AIR TEMPERATURE, 95° F DB AIR ENTERING OUTDOOR FAN. SCHEDULED UNIT CFM MAY DIFFER FROM ARI STANDARD CFM.

NOTES:
1. NOT USED
2. PROVIDE WITH FACTORY INSTALLED DISCONNECT, UNPOWERED CONVENIENCE OUTLET, THROUGH THE BASE CONNECTIONS.
3. PROVIDE WITH 14" HEIGHT ROOF CURB.
4. PROVIDE WITH DRY BULB ECONOMIZER AND BAROMETRIC RELIEF DAMPER.
5. PROVIDE WITH DRY BULB ECONOMIZER AND POWER EXHAUST.
6. PROVIDE WITH WATER LEVEL MONITORING DEVICE IN DRAIN PAN TO SHUT OFF UNIT IF THE DRAIN LINE BECOMES RESTRICTED.
7. PROVIDE WITH CONDENSER COIL HAIL GUARD.
8. PROVIDE WITH HUMIDITY CONTROL.



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PROJECT
TENANT IMPROVEMENT FOR
<div><div>THAMOUS FOR</div><div>Steak 'n Shake</div><div>STEAKBURGERS</div></div>
1966 WEST AVE L LANCASTER, CA
DATE ISSUED FOR
8-24-18 BUILDING DEPT SUBMITTAL
6-26-19
NO. REVISIONS
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MECHANICAL
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