AIR COOLED SPLIT SYSTEM UNIT SCHEDULE

MARK	AC DATA													CU DATA							
	SERVICE	ORIENTATION	FAN DATA					COOLING COIL DATA				AUX. HEAT	BASIS OF DESIGN	COOLING CAPACITY DATA		HEATING CAPACITY DATA		EFFICIENCY		VOLTS / ϕ	BASIS OF DESIGN
			OA CFM	SA CFM	EXT S.P. IN. W.G.	HP	VOLTS / ϕ	TOTAL CAP. MBH	SENS CAP. MBH	E.A.T. DB / WB °F	L.A.T. DB / WB °F	KW @ 208/230V		NOMINAL MBH	AMB. TEMP °F	TYPE	MBH @ 17 DEG. F	MIN HSPF	MIN. SEER		
AC-1	OFFICE / RECEPTION	UPFLOW, SIDE RETURN	100	1735	0.5	1/2	208-230 / 1	42.2	40.2	75.1 / 59.6	53 / 51	2.88 / 3.84	TRANE TAM4A0C48	48	95	HEAT PUMP	30.8	8.2	14	208-230 / 1	TRANE 4TWR6048
AC-2	OLDER TODDLERS	UPFLOW, SIDE RETURN	150	1400	0.5	1/2	208-230 / 1	42.3	32.4	76 / 62.8	54 / 52	2.88 / 3.84	TRANE TAM4A0C48	48	95	HEAT PUMP	30.3	8.2	14	208-230 / 1	TRANE 4TWR6048
AC-3	PRESCHOOLERS	UPFLOW, SIDE RETURN	150	1750	0.5	1	208-230 / 1	53.9	39.5	78.9 / 66	56.8 / 54.9	5.77 / 7.68	TRANE TAM4A0C60	60	95	HEAT PUMP	36.2	8.2	14	208-230 / 1	TRANE 4TWR4060
AC-4	GA PRE-K	UPFLOW, SIDE RETURN	75	1100	0.5	1/3	208-230 / 1	32.3	24.0	75.8 / 62.7	54.7 / 52.1	2.88 / 3.84	TRANE TAM4A0A36	36	95	HEAT PUMP	21.7	8.2	14	208-230 / 1	TRANE 4TWR4036
AC-5	KITCHEN	UPFLOW, SIDE RETURN	115	875	0.5	1/3	208-230 / 1	25.7	20.4	77.4 / 62.9	54.8 / 52.3	2.88 / 3.84	TRANE TAM4A0A30	30	95	HEAT PUMP	17.8	8.2	14	208-230 / 1	TRANE 4TWR4030
AC-6	INFANTS / TODDLERS	UPFLOW, SIDE RETURN	150	1460	0.5	1/2	208-230 / 1	42.9	32.4	75.9 / 63.2	54.4 / 52.7	3.6 / 4.8	TRANE TAM4A0C48	48	95	HEAT PUMP	30.4	8.2	14	208-230 / 1	TRANE 4TWR6048
AC-7	GYM	UPFLOW, SIDE RETURN	210	1600	0.5	1	208-230 / 1	53.9	35.3	77 / 66.7	57.5 / 56	3.6 / 4.8	TRANE TAM4A0C60	60	95	HEAT PUMP	36.2	8.2	14	208-230 / 1	TRANE 4TWR5060

1. SIDE RETURN KIT WITH EXTERNAL FILTER RACK

AIR DISTRIBUTION SCHEDULE

MARK	TYPE	SIZE - INCHES		FINISH	FIRE DAMPER	OBD	FUNCTION	BASIS OF DESIGN	NOTES
		NECK	FACE						
A	PLAQUE FACED	NOTE 1	24 / 24	WHITE	NO	NO	SUPPLY	TITUS OMNI-AA	1, 2
B	EGGCRATE	NOTE 1	24 / 24	WHITE	NO	NO	RETURN	TITUS 45F	1, 2
C	EGGCRATE	NOTE 1	12 / 12	WHITE	NO	YES	EXHAUST	TITUS 45F	1, 2
D	SLOT DIFFUSER	NOTE 1	NOTE 3	WHITE	NO	YES	SUPPLY	TITUS FL-10, JET THROW	1, 2, 3
E	THERMA-FUSER	NOTE 1	24 / 24	WHITE	NO	NO	SUPPLY	ACUTHERM TF	1, 2
F	EGGCRATE	NOTE 1	24 / 24	WHITE	NO	YES	RETURN	TITUS 45F	1, 2

1. 6"Φ NECK 0 CFM TO 150 CFM; 8"Φ NECK 151 CFM TO 250 CFM; 10"Φ NECK 251 CFM TO 400 CFM; 12"Φ NECK 401 CFM AND GREATER.
2. VERIFY ALL AIR DISTRIBUTION LOCATIONS AND FRAME STYLE WITH ARCHITECTURAL R.C.P. AND DETAILS.
3. CONTINUOUS 1" SLOT DIFFUSER WITH LINED PLENUMS AND INTERIOR OF SLOT PAINTED FLAT BLACK. SLOT LENGTH AS NOTED ON PLANS

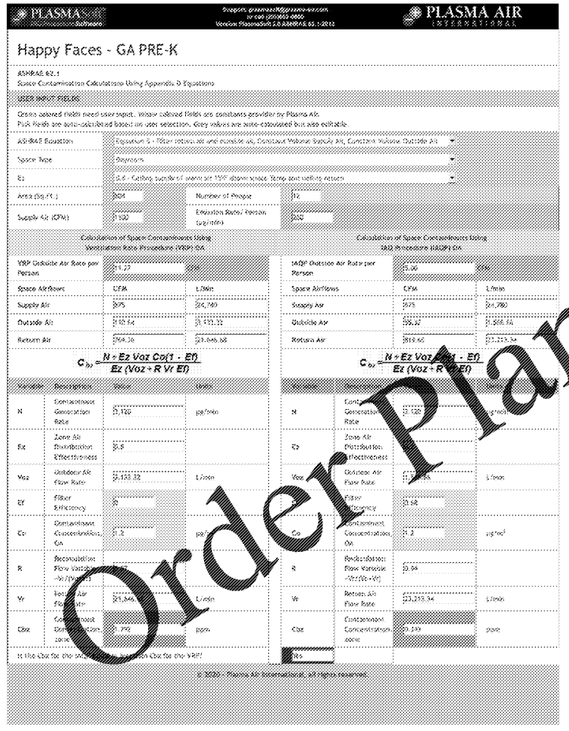
FAN SCHEDULE

MARK	SERVICE	LOCATION	TYPE	CFM	S.P. (IN. WG)	MAX. RPM	MOTOR		BASIS OF DESIGN	REMARKS
							HP [WATTS]	VOLTS / ϕ		
F-1	RESTROOMS	CATWALK	CABINET INLINE	700	0.50	950	[318]	115/1	GREENHECK CSP-A1410	1, 2, 3, 4
F-2	KITCHEN	KITCHEN	CEILING MTD.	200	0.30	900	[47]	115/1	GREENHECK SP-A200	2, 3, 4, 5

1. INTERLOCK WITH TIME CLOCK
2. INTEGRAL BACKDRAFT DAMPER
3. FACTORY MOUNTED DISCONNECT
4. SPEED CONTROLLER
5. WALL SWITCH

MISCELLANEOUS EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MARK	DESCRIPTION
1	INTAKE HOOD; GREENHECK FGI-16x18; 950 CFM; 500 FPM MAX. THROAT VELOCITY; SLOPED ROOF CURB	AIG A	PLASMA AIR MODEL 100 SERIES AIR ION GENERATOR; 24V PRIMARY; 8 WATTS; INTERLOCK WITH SYSTEM FAN OPERATION
RH 1	RELIEF HOOD; GREENHECK FGR-16X16; 900 CFM; 600 FPM MAX. THROAT VELOCITY; SLOPED ROOF CURB, BACKDRAFT DAMPER.		



VENTILATION CALCULATION

SPACE DATA		ASHRAE 62.1 -2016 - MINIMUM VENTILATION/EXHAUST RATE DATA						VENTILATION CALCULATIONS				
ROOM #, NAME	AREA (SF)	OCCUPANCY CLASSIFICATION	OCCUPANT DENSITY #/1000SF	PEOPLE O/A RATE (CFM/PERSON)	AREA O/A RATE (CFM/SF)	ZONE AIR DISTRIBUTION EFFECTIVENESS	E/A RATE (CFM/SF)	MINIMUM O/A (CFM)	O/A PROVIDED (CFM)	MINIMUM E/A (CFM)	E/A PROVIDED (CFM)	AIR BALANCE (CFM)
OFFICE	159	OFFICE SPACE	5	5	0.06	0.8	--	17	20	--	0	20
RECEPTION	239	MAIN ENTRY LOBBY	10	5	0.06	0.8	--	33	35	--	0	35
CORRIDOR	577	CORRIDORS	--	--	0.06	0.8	--	43	45	--	0	45
OLDER TODDLERS I	397	REFER TO IAQ CALCULATION ON SHEET M0.2						53	75	--	0	75
OLDER TODDLERS II	404	REFER TO IAQ CALCULATION ON SHEET M0.2						53	75	--	0	75
PRESCHOOLERS I	479	REFER TO IAQ CALCULATION ON SHEET M0.2						53	75	--	0	75
PRESCHOOLERS II	476	REFER TO IAQ CALCULATION ON SHEET M0.2						56	75	--	0	75
GA PRE-K / AFTERSCHOOL	804	REFER TO IAQ CALCULATION ON SHEET M0.1						56	75	--	0	75
KITCHEN / PANTRY	265	KITCHENS	20	7.5	0.12	0.8	0.7	89	90	185.5	200	-110
LAUNDRY	67	LAUNDRY ROOMS, CENTRAL	10	5	0.12	0.8	--	14	15	--	0	15
ELECTRICAL	57	TELEPHONE CLOSETS	--	--	--	--	--	0	0	--	0	0
STORAGE	118	STORAGE ROOMS	2	5	0.06	0.8	--	10	10	--	0	10
YOUNG TODDLERS	593	REFER TO IAQ CALCULATION ON SHEET M0.2						60	75	--	50	25
INFANTS	462	REFER TO IAQ CALCULATION ON SHEET M0.2						60	75	--	50	25
GYM	503	GYM, SPORTS ARENA (PLAY AREA)	7	20	0.18	0.8	--	201	210	--	0	210
CHILD RR #1	47	TOILETS - PUBLIC	--	--	--	--	NOTE 1	--	0	70	100	-100
CHILD RR #2	52	TOILETS - PUBLIC	--	--	--	--	NOTE 1	--	0	70	100	-100
CHILD RR #3	73	TOILETS - PUBLIC	--	--	--	--	NOTE 1	--	0	140	150	-150
CHILD RR #4	48	TOILETS - PUBLIC	--	--	--	--	NOTE 1	--	0	70	100	-100
ADULT RR	61	TOILETS - PUBLIC	--	--	--	--	NOTE 1	--	0	70	100	-100
JAN STOR	25	JANITOR CLOSETS	--	--	--	--	1	--	0	27	50	-50
TOTAL	**5906**	--	--	--	--	--	--	799	950	833	900	50

1. 70 CFM E/A PER WATER CLOSET OR URINAL INTERMITTENT

Order Plans @ WWW.LDLine.com

THOMPSON EHLE CO.
50 TECHNOLOGY PKWY
PEACHTREE CORNERS, GA 30092
Tel 404-266-1400
TEC #220021

JOB NUMBER: 19221
CHECKED BY: Checker

CALBERT DESIGN GROUP
PLANNING ARCHITECTURE INTERIORS
INFO@CALBERTDESIGN.COM | 678-366-7144 | 2956 CHEROKEE ST. SUITE 600, KENNESAW, GA 30144

HAPPY FACES ACADEMY
LEARN... PLAY... GROW...

PROJECT LOCATION:
2865 WEBB ROAD
MILTON, GA 30004

REVISIONS

NO	DATE:	DESCRIPTION:

SCHEDULES - MECHANICAL

M0.1

DATE 06/01/18