

THIS DOCUMENT IS THE PROPERTY OF CURRIE SOWARDS AGUILA ARCHITECTS INC.. ALL RIGHTS ARE RESERVED. ANY POSSESSION, REPRODUCTION OR OTHER USE OF THIS DOCUMENT, WITHOUT THE WRITTEN CONSENT OF CURRIE SOWARDS AGUILA ARCHITECTS INC., IS PROHIBITED.

FAN SCHEDULE																
SELECTION DATA					FAN DATA			MOTOR DATA				GENERAL DATA				
TAG	SERVICE AREA	MANUF.(*)	MODEL	CONFIG.	CFM	ESP ("WG)	SONES	HP	RPM	DRIVE	VOLTAGE	WEIGHT (LBS)	DIMENSIONS L"xW"xH"	OPENING L"xW"	CONTROL	ACCESSORIES
EF-1	110	GREENHECK	CUE-160-VG	WALL MOUNT	2000	0.25	9.3	1/2	823	DIRECT	208/1/60	87	32X22X29	18.5X18.5	CONSTANT	SEE NOTES
EF-2	100, 104	GREENHECK	CUE-160-VG	WALL MOUNT	2000	0.25	7.4	1/2	685	DIRECT	208/1/60	87	32X22X29	18.5X18.5	CONSTANT	SEE NOTES
EF-3	102	GREENHECK	CUE-160-VG	WALL MOUNT	2000	0.25	7.4	1/2	685	DIRECT	208/1/60	87	32X22X29	18.5X18.5	CONSTANT	SEE NOTES
EF-4	130	GREENHECK	CUE-090-VG	WALL MOUNT	250	0.25	3.8	1/6	1002	DIRECT	208/1/60	44	15X19X22	12.5X12.5	CONSTANT	SEE NOTES
EF-5	120	GREENHECK	SQ-90-VG	INLINE	250	0.25	3.6	1/10	1110	DIRECT	208/1/60	49	17X18X18	11.875X11.875	CONSTANT	SEE NOTES
EF-6	101	GREENHECK	CUE-090-VG	WALL MOUNT	300	0.25	4.2	1/6	1045	DIRECT	208/1/60	44	15X19X22	12.5X12.5	CONSTANT	SEE NOTES
(*) APPROVED EQUAL MANUFACTURER: GREENHECK, REVERSOMATIC, ACME, COOK, TWIN-CITY, PENN																
ACCESSORIES NOTES: 1. PROVIDE GRILLE COLOR PER ARCH. SPECS 2. PROVIDE BACK DRAFT DAMPER 3. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH AND INTEGRAL THERMAL OVERLOAD PROTECTION, COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ANY PURCHASING. 4. PROVIDE STEP DOWN TRANSFORMER AS REQUIRED. 5. PROVIDE INTEGRAL GRILLE 6. PROVIDE COMPLETE WITH FILTERS 7. PROVIDE BIRD SCREEN 8. LOCATE BACK DRAFT DAMPER AT DISCHARGE 9. SUPPORT FROM STRUCTURE COMPLETE WITH VIBRATION ISOLATORS										GENERAL FAN NOTES: a. MOTOR STARTERS, DISCONNECTS (IF NOT FACTORY PROVIDED) AND ALL EQUIPMENT NORMAL POWER WIRING BY ELEC. CONTRACTOR b. ALL CONTINUOUS-DUTY MOTORS SHALL BE PROVIDED WITH OVERLOAD PROTECTION ACCORDING TO NATIONAL ELECTRICAL CODE PAR. 430-32. c. FIELD ADJUST OPENINGS WITH STRUCTURE. d. ALL OUTDOOR EQUIPMENT SHALL COMPLY WITH LOCAL ZONING NOISE ORDINANCE OR NOT EXCEED A NOISE LEVEL OF 65dB AS MEASURED RADIALLY 30 FT. FROM THE EQUIPMENT IN ALL DIRECTIONS. e. COORDINATE WITH ELECTRICAL CONTRACTOR BEFORE BIDDING OR ORDERING ANY EQUIPMENT. f. SEE PROJECT PLANS AND SPECIFICATIONS FOR OTHER FIELD SUPPLIED ITEMS AND ADDITIONAL INFORMATION. g. ALL FANS ON ROOF SHALL BE PAINTED AS PER ARCHITECTURAL SPECS.						

AIR CONDITIONING SPLIT SYSTEM EQUIPMENT SCHEDULE																
CONDENSING UNIT																
CU TAG	MANUFACTURER & MODEL	NOMINAL TONNAGE	CAP. STAGES	(S)EER/PLV	REFRIG./LBS	LIQ./SUCT.	NO. FANS	FAN FLA(EA)	NO. COMP.	COMP.RLA(EA)	VOLTAGE/PH	MCA/MOCP	WEIGHT (LBS)	L x W x H (IN)	NOTES	
CU-1	TRANE PUY-A12NKA7	1	-	27.0/-	R-410A/-	SEE NOTES	1	0.5	1	7.0	208-230/1	11/28	93	12X32X25	1-5,8,11,15,16,17	
AIR HANDLING UNIT																
AHU TAG	MANUFACTURER & MODEL	TOTAL MBH	SENSIBLE MBH	TOTAL CFM	O/A CFM	E.S.P. ("W.G.)	ENT. DB/MB	LEAV. DB/MB	ROWS/FPI	FAN HP	HEATER MBH	VOLTAGE/PH	MCA/MOCP	WEIGHT (LBS)	L x W x H (IN)	NOTES
AHU-1	TRANE PLA-A12EA7	12	10.68	300	15	0.25	76.5/63.4	55/53	-	-	12.4	208-230/1	1/-	46	33X33X10	1,6,7,9,10,12,14
NOTES:																
1. UNITS RATED PER ARI 210, 240 AND 270, APPROVED EQUAL: AAO, CARRIER, LENNOX, TRANE																
2. PROVIDE WITH THERMAL EXPANSION VALVES, LIQUID LINE FILTER DRYER AND MULTI-USE SERVICE VALVES																
3. PROVIDE COMPRESSOR WITH CRANKCASE HEATER AND MIN. 5-YEAR WARRANTY																
4. PROVIDE HIGH AND LOW PRESSURE CONTROL AND OVER TEMPERATURE PROTECTION.																
5. PROVIDE WEATHERPROOF ELECTRIC CONTROLS AND SINGLE SIDE SERVICE ACCESS																
6. PROVIDE SINGLE POINT POWER ENTRY AND HEAVY DUTY NICKEL-CHROMIUM ELEMENT HEATER																
7. PROVIDE 1" THROWAWAY, MIN. 30% EFF. FILTER AND VIBRATION ISOLATION FOR AHU																
8. PROVIDE SPLIT FACE COIL WITH BOTTOM OF COIL ACTIVE FOR MULTIPLE CIRCUIT SYSTEM																
9. PROVIDE COASTAL CORROSION PROTECTION FOR CONDENSING UNIT, FULLY DIPPED COIL (BY MANUFACTURER)																
10. PROVIDE HOT GAS RE-HEAT (OR/AND BY-PASS IF REQUIRED), MAX. REFRIGERANT RUN 75 FEET OR AS REQUIRED BY MANUFACTURER.																
11. PROVIDE FACTORY MOUNTED FUSIBLE DISCONNECT/STARTER FOR A.H.U., COORDINATE PRIOR TO PURCHASING																
12. PROVIDE DISCONNECT FOR C.U. (INSTALLED BY ELECTRICAL) COORDINATE PRIOR TO PURCHASING																
13. PROVIDE EMERGENCY POWER, COORDINATE WITH ELECTRICAL																
14. PROVIDE FACTORY PROGRAMMABLE THERMOSTAT TO MATCH CAPACITY STAGES.																
15. PROVIDE REFRIGERANT LINES SIZE AS RECOMMENDED BY MANUFACTURER, NOT TO EXCEED 60 FT. EQUIV. LENGTH FOR LONGER RUNS COORDINATE WITH MANUFACTURER PRIOR TO PURCHASE OR ANY WORK.																
16. PROVIDE A LIQUID LINE SOLENOID VALVE INSTALLED AT THE AHU IF THE INSTALLED LINEAL LENGTH OF THE REFRIGERANT LIQUID LINES EXCEEDS 75 FT (FIELD VERIFY).																
17. PROVIDE A SUCTION LINE ACCUMULATOR IF THE INSTALLED LINEAL LENGTH OF THE REFRIGERANT SUCTION LINES EXCEEDS 100 FT (FIELD VERIFY).																
18. ALTERNATE CORROSION PROTECTION COATING FOR CONDENSER COIL WITH "MICROGUARD" BY ADSIL (ADVANCED SILANE TECHNOLOGY INC.) OR "FINGUARD" BY THERMOGUARD																
19. PROVIDE 3" AUXILIARY DRAIN PAN WITH AUTOMATIC SHUT OFF FLOAT SWITCH OR SENSOR SWITCH IN UNIT'S DRAIN PAN SECONDARY CONNECTION, EQUAL TO "WATER GARD																
20. PROVIDE ELECTRIC HEATER WITH MIN. 2 STAGES IF OVER 10 KW CAPACITY.																
21. PROVIDE MOTORIZED OUTSIDE AIR DAMPER INTERLOCK WITH COMPRESSOR																
COORDINATION NOTE:																
MECHANICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS AND ACCESSORIES WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASING AND INSTALLATION AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF ENGINEER																

EXHAUST AIR CALCULATIONS								
	SPACE SERVED OR UNIT TAG	SPACE AREA (SQ.FT.)	SPACE HEIGHT (FT)	SPACE VOLUME (CU.FT.)	VENTILATION REQ'D AC/HR OR CFM	TOTAL CFM REQUIRED	TOTAL CFM PROVIDED	NOTES
	100 ENTRY	271	16	—	1.5 CFM/SQ FT	406.5	750	1
	102 GREEN CHEMICAL AREA	680	16	—	1.5 CFM/SQ FT	1020	1500	1
	104 GREEN CHEMICAL AREA	409	16	—	1.5 CFM/SQ FT	613.5	750	1
	110 FERTILIZER STORAGE	900	16	—	1.5 CFM/SQ FT	1350	2000	1
	120 IRRIGATION	78	16	—	1.5 CFM/SQ FT	117	250	1
	130 STORAGE	77	16	—	1.5 CFM/SQ FT	115.5	250	1
	101 CHEM OFFICE	165	16	—	1.5 CFM/SQ FT	247.5	300	1
	TOTALS	692 NET SF				600	600 CFM	
NOTES:								
1. CALCULATIONS ARE BASED ON LOCAL CODE REQUIREMENTS, FMC 2020 (TABLE 403.3.1.1)								

OUTSIDE AIR CALCULATIONS									
AREA SERVED OR UNIT TAG	NET OCCUPIABLE AREA SQ.FT.	VENTILATION RATE O/A CFM/SQ.FT.	CFM/SQ. FT REQUIRED	ACTUAL OCCUP. NO. OF PEOPLE	VENTILATION RATE O/A CFM/PERSON	COMBINED TOTAL CFM O/A REQ'D	COMBINED TOTAL CFM O/A PROV'D	NOTES	
MECHANIC OFFICE	165	0.06	9.9	1	5	14.9	15	1,2	
TOTALS	165 NET SF			1			15 CFM		
NOTES: 1. CALCULATIONS ARE BASED ON ESTIMATED MAX. OCCUPANCY RATES PER ARCHITECTURAL PLANS; VENTILATION RATES PER FMC 2020 TABLE 403.3.1.1. 2. VENTILATION PROVIDED BY ROOF EXHAUSTER AND SIDEWALL INLETS. FAN TO OPERATE CONTINUOUSLY DURING OCCUPIED HOURS 3. UNCONDITIONED SPACES									

ISSUED FOR PERMIT

ISSUED FOR CONSTRUCTION

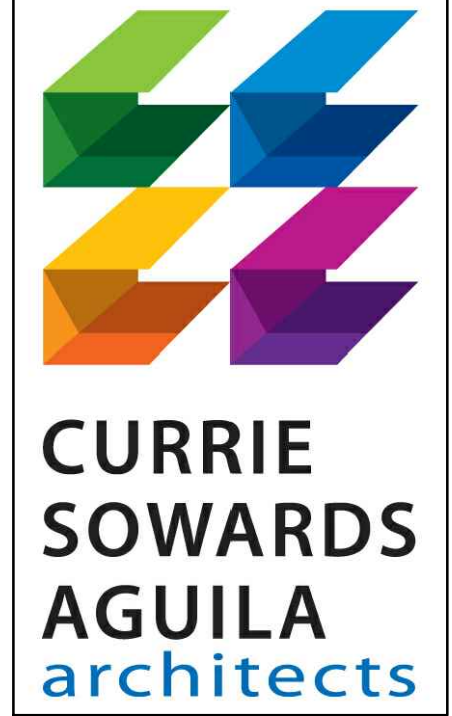
KAMM CONSULTING PROJECT #:
PROJECT MANAGER: RON SLOAN

KAMM Consulting

1407 West Newport Center Drive
Deerfield Beach, Florida 33442
Phone 954.949.2200 Fax 954.949.2201
engineering@kammconsulting.com
Certification of Authorization #8189

date

signed



Architecture, Planning,
Interiors, &
Sustainable Design
AA26001584
185 NE 4TH AVENUE, SUITE 101
DELRAY BEACH, FL 33483
T:(561) 276-4951 F:(561) 243-8184
E-MAIL: office@csa-architects.com

ISSUED FOR :

BIDS

PERMIT

CONSTRUCTION

SEAL

JESS M. SOWARDS
FL. REG# A000

PROJECT TITLE
STONEBRIDGE
COUNTRY CLUB
CHEMICAL
STORAGE
BUILDING

17501 S. STATE ROAD 7
BOCA RATON, FL 33498

REVISIONS

THESE DRAWINGS ARE PREPARED PER ESTABLISHED INDUSTRY STANDARDS AND REPRESENT THE ARCHITECT AND ENGINEERS DESIGN CONCEPT. THEY ARE NOT INTENDED TO PROVIDE EVERY DETAIL OR CONDITION REQUIRED TO CONSTRUCT THE BUILDING. THE CONTRACTOR THROUGH SUBMITTALS AND OTHER COORDINATION EFFORTS IS FULLY RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL BUILDING WHETHER INDICATED ON THE PLANS OR NOT.

DRAWING TITLE
MECHANICAL
SCHEDULES

DATE
10/16/23
DRAWN BY
KAB
JOB NUMBER
220906
DRAWING NUMBER

M6SB.1

PERMIT SET - 10/16/23