APARTMENT DX SPLIT AIR HANDLING UNIT SCHEDULE

MARK	LOCATION SERVED	FAN					COOLING COIL			FILTERS			ELECTRIC HEATING COIL			SINGLE POINT UNIT ELEC. REQUIREMENTS		UNIT INFORMATION				
		TOTAL AIR FLOW (CFM)	OUTSIDE AIR FLOW (CFM)	EXTERNAL STATIC PRESS. (IN.WG.)	DRIVE TYPE	HP	ENTERING AIR TEMP. (F° DB/WB)	LEAVING AIR TEMP. (F° DB/WB)	TOTAL CAPACITY (BTUH)	TYPE	EFFICIENCY	THICKNESS	NO. OF STAGES	TOTAL KW	VOLTAGE/ PHASE	SINGLE CIRCUIT MCA	SINGLE CIRCUIT MOCP	UNIT SIZE (H"xW"xD")	OPERATING WEIGHT (LBS.)	MANUFACTURER	MODEL NUMBER	NOTES
AHU-1	UNITS A1, A1S, S1	600	–	0.3	DIRECT	1/5	80.0/67.0	56.0/54.0	18,000	THROWAWAY	25%-30%	1"	1	5	208/1	23.6	30	36"x20"x16"	99	GOODMAN OR EQUAL	AWUF180516AA	1, 2
AHU-2	UNITS B2, B2S	800	–	0.3	DIRECT	1/5	80.0/67.0	56.0/54.0	24,000	THROWAWAY	25%-30%	1"	1	5	208/1	23.6	30	36"x20"x16"	99	GOODMAN OR EQUAL	AWUF240516AA	1, 2
AHU-3	UNITS B1, C1	1,000	–	0.3	DIRECT	1/3	80.0/67.0	56.0/54.0	28,000	THROWAWAY	25%-30%	1"	1	5	208/1	23.6	30	36"x24"x21"	110	GOODMAN OR EQUAL	AWUF300516AA	1, 2

NOTES:
1. PROVIDE COMPLETE WITH PULL TYPE DISCONNECT SWITCH AND 7-DAY PROGRAMMABLE THERMOSTAT WITH NIGHT SET BACK. (SEE OWNER)
2. ROUTE AND SIZE REFRIGERANT LINES PER MANUFACTURES REQUIREMENTS.

APARTMENT DX SPLIT CONDENSING UNIT SCHEDULE (STRAIGHT COOL)

MARK	LOCATION	COMPRESSOR			CONDENSER FANS		ELECTRICAL							UNIT INFORMATION		MANUFACTURER	MODEL NUMBER	NOTES
		OUTDOOR DESIGN TEMP. (F°)	QTY.	CAPACITY STEPS %	QTY.	NOMINAL HP	VOLTAGE/ PHASE	COMPRESSOR RLA EACH	CONDENSER FANS QTY.	CONDENSER FANS FLA (EA.)	MCA	MOCP	SEER	UNIT SIZE (H"xW"xD")	OPERATING WEIGHT (LBS.)			
CU-1	EXTERIOR	95°	1	100	1	1/8	208/1	6.0	1	0.7	8.2	15	14.0	34"x29"x29"	131	GOODMAN OR EQUAL	GSX140181AA	1
CU-2	EXTERIOR	95°	1	100	1	1/8	208/1	7.7	1	0.7	10.3	15	14.0	38"x29"x29"	131	GOODMAN OR EQUAL	GSX140241AA	1
CU-3	EXTERIOR	95°	1	100	1	1/6	208/1	10.5	1	0.95	14.1	20	14.0	38"x29"x29"	162	GOODMAN OR EQUAL	GSX140301AA	1

NOTES:
1. PROVIDE COMPLETE WITH PULL TYPE DISCONNECT SWITCH, TIME DELAY RELAY AND ANTI-SHORT CYCLE TIMER.

GRAVITY VENTILATOR SCHEDULE

TAG	TYPE	SERVICE	CFM	ESP.	THROAT SIZE	MANUFACTURER / MODEL	NOTES
GV-1	RELIEF	ELEVATOR RELIEF	2,850	0.10	24.75ø	LOREN COOK / TR-24	1

NOTES:
1. PROVIDE WITH 13-1/2" FACTORY PREFABRICATED ROOF CURB AND BIRDSCREEN.

DX SPLIT AIR HANDLING UNIT SCHEDULE (CORRIDORS)

MARK	LOCATION SERVED	FAN					COOLING COIL			FILTERS			ELECTRIC HEATING COIL			SINGLE POINT UNIT ELEC. REQUIREMENTS		UNIT INFORMATION				
		TOTAL AIR FLOW (CFM)	OUTSIDE AIR FLOW (CFM)	EXTERNAL STATIC PRESS. (IN.WG.)	DRIVE TYPE	HP	ENTERING AIR TEMP. (F° DB/WB)	LEAVING AIR TEMP. (F° DB/WB)	TOTAL CAPACITY (BTUH)	TYPE	EFFICIENCY	THICKNESS	NO. OF STAGES	TOTAL KW	VOLTAGE/ PHASE	SINGLE CIRCUIT MCA	SINGLE CIRCUIT MOCP	UNIT SIZE (H"xW"xD")	OPERATING WEIGHT (LBS.)	MANUFACTURER	MODEL NUMBER	NOTES
AHU-1.1	LOBBY, CORRIDOR	1,000	90	0.3	DIRECT	1/3	77.6/64.7	56.0/54.0	30,000	THROWAWAY	25%-30%	1"	1	5	208/1	27	30	45"x17.5"x21"	129	GOODMAN	ASPT30D14	1, 2
AHU-1.2	CORRIDOR	800	60	0.3	DIRECT	1/3	78.0/65.0	56.0/54.0	24,000	THROWAWAY	25%-30%	1"	1	5	208/1	27	30	54"x24"x21"	129	GOODMAN	ASPT24B14	1, 2
AHU-1.3	CORRIDOR	800	60	0.3	DIRECT	1/3	78.0/65.0	56.0/54.0	24,000	THROWAWAY	25%-30%	1"	1	5	208/1	27	30	54"x24"x21"	129	GOODMAN	ASPT24B14	1, 2
AHU-1.4	CORRIDOR	800	60	0.3	DIRECT	1/3	78.0/65.0	56.0/54.0	24,000	THROWAWAY	25%-30%	1"	1	5	208/1	27	30	54"x24"x21"	129	GOODMAN	ASPT24B14	1, 2
AHU-2.1	LOBBY, CORRIDOR	1,000	90	0.3	DIRECT	1/3	77.6/64.7	56.0/54.0	30,000	THROWAWAY	25%-30%	1"	1	5	208/1	27	30	45"x17.5"x21"	129	GOODMAN	ASPT30D14	1, 2
AHU-2.2	CORRIDOR	800	60	0.3	DIRECT	1/3	78.0/65.0	56.0/54.0	24,000	THROWAWAY	25%-30%	1"	1	5	208/1	27	30	54"x24"x21"	129	GOODMAN	ASPT24B14	1, 2
AHU-2.3	CORRIDOR	800	60	0.3	DIRECT	1/3	78.0/65.0	56.0/54.0	24,000	THROWAWAY	25%-30%	1"	1	5	208/1	27	30	54"x24"x21"	129	GOODMAN	ASPT24B14	1, 2
AHU-2.4	CORRIDOR	800	60	0.3	DIRECT	1/3	78.0/65.0	56.0/54.0	24,000	THROWAWAY	25%-30%	1"	1	5	208/1	27	30	54"x24"x21"	129	GOODMAN	ASPT24B14	1, 2

NOTES:
1. PROVIDE COMPLETE WITH DISCONNECT SWITCH AND 7-DAY PROGRAMMABLE THERMOSTAT WITH NIGHT SET BACK.
2. ROUTE AND SIZE REFRIGERANT LINES PER MANUFACTURES REQUIREMENTS.

AIR DEVICE SCHEDULE (UNITS)

MARK	DESCRIPTION	FACE SIZE	NECK	MATERIAL	MANUFACTURER & MODEL NO.	NOTES
A	LOUVERED FACE SUPPLY DIFFUSER – CEILING	6"x4"	SEE PLAN	ALUMINUM	METALAIRE LM-1 OR EQUAL	1.
B	LOUVERED FACE SUPPLY DIFFUSER – CEILING	10"x8"	SEE PLAN	ALUMINUM	METALAIRE LM-1 OR EQUAL	1.
C	LOUVERED FACE SUPPLY DIFFUSER – CEILING	10"x10"	SEE PLAN	ALUMINUM	METALAIRE LT-1 OR EQUAL	1.
D	RETURN AIR TRANSFER GRILLE	14"x8"	SEE PLAN	ALUMINUM	TAMARACK TECHNOLOGIES RAP 14.8 OR EQUAL	1.
E	LOUVERED FACE RETURN/TRANSFER GRILLE – SIDEWALL	14"x8"	SEE PLAN	ALUMINUM	METALAIRE RH-1 OR EQUAL	1.
F	LOUVERED FACE RETURN GRILLE – SIDEWALL	18"x18"	SEE PLAN	ALUMINUM	METALAIRE RH-1 OR EQUAL	1.

NOTES:
1. COORIDINATE SURFACE FINISHES WITH ARCHITECTURAL DRAWINGS.

CLUBHOUSE DX SPLIT CONDENSING UNIT SCHEDULE (STRAIGHT COOL)

MARK	LOCATION	COMPRESSOR			CONDENSER FANS		ELECTRICAL							UNIT INFORMATION		MANUFACTURER	MODEL NUMBER	NOTES
		OUTDOOR DESIGN TEMP. (F°)	QTY.	CAPACITY STEPS %	QTY.	NOMINAL HP	VOLTAGE/ PHASE	COMPRESSOR RLA EACH	CONDENSER FANS QTY.	CONDENSER FANS FLA (EA.)	MCA	MOCP	SEER	UNIT SIZE (H"xW"xD")	OPERATING WEIGHT (LBS.)			
CU-1.1	ROOF	95°	1	100	1	1/6	208/1	12.8	1	1.1	17.1	25	14	32"x29"x29"	162	GOODMAN	GSX140301AA	1
CU-1.2	ROOF	95°	1	100	1	1/12	208/1	10.9	1	0.6	14.2	25	14	27"x26"x26"	131	GOODMAN	GSX140241AA	1
CU-1.3	ROOF	95°	1	100	1	1/12	208/1	10.9	1	0.6	14.2	25	14	27"x26"x26"	131	GOODMAN	GSX140241AA	1
CU-1.4	ROOF	95°	1	100	1	1/12	208/1	10.9	1	0.6	14.2	25	14	27"x26"x26"	131	GOODMAN	GSX140241AA	1
CU-2.1	ROOF	95°	1	100	1	1/6	208/1	12.8	1	1.1	17.1	25	14	32"x29"x29"	162	GOODMAN	GSX140301AA	1
CU-2.2	ROOF	95°	1	100	1	1/12	208/1	10.9	1	0.6	14.2	25	14	27"x26"x26"	131	GOODMAN	GSX140241AA	1
CU-2.3	ROOF	95°	1	100	1	1/12	208/1	10.9	1	0.6	14.2	25	14	27"x26"x26"	131	GOODMAN	GSX140241AA	1
CU-2.4	ROOF	95°	1	100	1	1/12	208/1	10.9	1	0.6	14.2	25	14	27"x26"x26"	131	GOODMAN	GSX140241AA	1

NOTES:
1. PROVIDE COMPLETE WITH DISCONNECT SWITCH, TIME DELAY RELAY AND ANTI-SHORT CYCLE TIMER.

FAN SCHEDULE

MARK	AREA SERVED	TYPE	CFM	T.S.P.	WATTS	R.P.M.	VOLTS/PH	SONES	MANUFACTURER & MODEL NO.	NOTES
EF-1	RESTROOM	WALL MOUNT	70	0.1	13.1	1,250	120/1ø	2.0	DELTA SLM70 OR EQUAL	1. 2. & 3.
EF-2	GARAGES	CEILING MOUNT	210	0.25	56.2	961	120/1ø	1.5	GREENHECK CSP-A250	2. 3. 4. & 5.

NOTES:
1. EXHAUST FAN TO BE CONTROLLED BY INDIVIDUAL SWITCH WITHIN RESTROOM.
2. PROVIDE WITH VIBRATION ISOLATOR KIT, INTEGRAL BACKDRAFT DAMPER, & PLASTIC WALL CAP.
3. PROVIDE 5 SIDED FIRE RATED BOX OR FIRE RATED PUTTY PACK WHEN WALL MOUNTED FAN IS INSTALLED IN 1 HR RATED WALL PER ARCHITECTURAL ADD/ALTERNATE WALL SYSTEM.
4. PROVIDE WITH CARBON MONOXIDE DETECTOR MOUNTED ON GARAGE WALL FOR CONTROL OF FAN.
5. GARAGE FAN EXHAUST IS BASED OFF OF FLORIDA MECHANICAL CODE TABLE 403.3; .75 CFM PER SQUARE FOOT.

MINI-SPLIT AIR HANDLING UNIT SCHEDULE

MARK	LOCATION SERVED	FAN					COOLING COIL						FILTERS			ELECTRIC HEATING COIL			SINGLE POINT UNIT ELEC. REQUIREMENTS			UNIT INFORMATION				
		TOTAL AIR FLOW (CFM)	OUTSIDE AIR FLOW (CFM)	EXTERNAL STATIC PRESS. (IN.WG.)	DRIVE TYPE	FLA	ENTERING AIR TEMP. (F° DB/WB)	LEAVING AIR TEMP. (F° DB/WB)	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	COIL AREA (SQ.FT.)	COIL ROW/FINS	TYPE	EFFICIENCY	THICKNESS	TOTAL CAPACITY (BTUH)	VOLTS/ PHASE	HEATER AMPS	VOLTAGE/ PHASE	SINGLE CIRCUIT MCA	SINGLE CIRCUIT MOCP	UNIT SIZE (H"xW"xD")	OPERATING WEIGHT (LBS.)	MANUFACTURER	MODEL NUMBER	NOTES
MAU-1	FACP, COMM RM'S	440	NA	NA	NA	0.51	80/67	56.0/54.0	17,200	NA	NA	NA	INTERNAL	25%-30%	NA	NA	NA	NA	208/1	1	15	12"x32"x9"	22	MITSUBISHI	MSY-GE18NA	1, 2, & 3

NOTES:
1. POWER FOR INDOOR UNIT PROVIDED FROM EXTERIOR CONDENSER. COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE POWER WIRING BETWEEN EACH UNIT IN FIELD.
2. ROUTE AND SIZE REFRIGERANT LINES PER MANUFACTURES REQUIREMENTS.
3. MOUNT AS HIGH ON WALL AS POSSIBLE.

MINI- SPLIT CONDENSING UNIT SCHEDULE

MARK	LOCATION	COMPRESSOR			CONDENSER FANS		ELECTRICAL							UNIT INFORMATION		MANUFACTURER	MODEL NUMBER	NOTES
		OUTDOOR DESIGN TEMP. (F°)	QTY.	CAPACITY STEPS %	QTY.	NOMINAL HP	VOLTAGE/ PHASE	COMPRESSOR RLA/LRA	CONDENSER FANS QTY.	CONDENSER FANS F.L.A.	MCA	MOCP	SEER	UNIT SIZE (H"xW"xD")	OPERATING WEIGHT (LBS.)			
MCU-1	EXTERIOR	95	1	100	1	–	208/1	NA	1	0.93	14	20	15	33"x34"x12"	119	MITSUBISHI	MUY-GE18NA	1.

NOTES:
1. PROVIDE COMPLETE WITH TIME DELAY RELAY AND ANTI-SHORT CYCLE TIMER.
2. DISCONNECT SWITCH PROVIDED BY DIVISION 16.

ADAM J BARNEY
LICENSE
No. 69124
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Adam Barney
Jan 17 2018 3:06 PM

PERMIT REVIEW STAMP

ISSUE HISTORY

No.	Date	Description
1	1/18/2018	ISSUE FOR PERMIT

REVISION HISTORY

No.	Date	Description

FUGLEBERG KOCH
2555 Temple Trail, Winter Park, FL 32789 (407) 629-0595
www.fuglebergkoch.com BR569

CONSULTANT
Joseph, Lawrence & Co
Consulting Engineers
1180 HARWOOD AVE. SUITE 3000
ALTAMONTE SPRINGS, FLORIDA 32714
TEL: 321.972.4466
WWW.JLCENG.COM
CA NO. 28730

JLC 17.0137.00

Adam Joseph Barney
P.E. #:69124

SUMMER BAY APTS. II
LAKE COUNTY, FL

Drawn:	MJR/KCM
Checked:	BLS/AJB
Approval:	BLS/AJB
Date:	11/10/2017
Project #:	5389

SCHEDULES - MECHANICAL

M5.01

© 2015 These drawings and specifications are the property of FUGLEBERG KOCH, PLLC and are issued only for the specific project noted on these drawings. Any reproductions, revisions, or modifications of these documents without the expressed written consent of Fugleberg Koch, PLLC is prohibited by law.