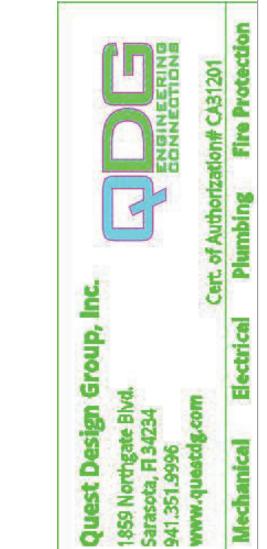
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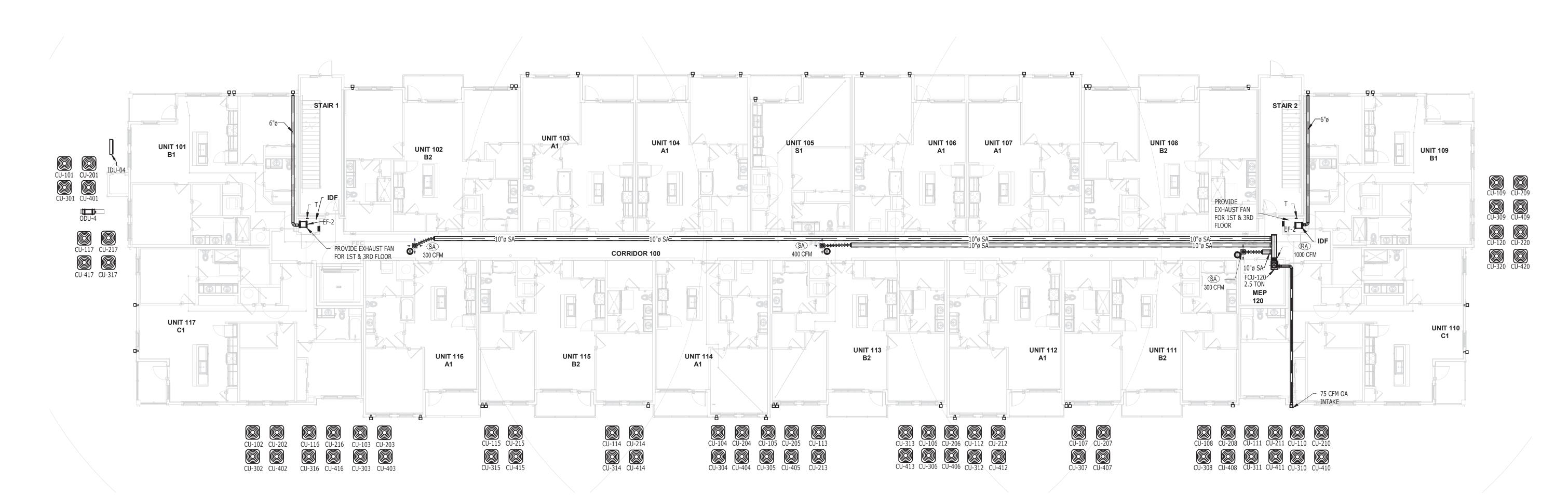
SR-82

7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

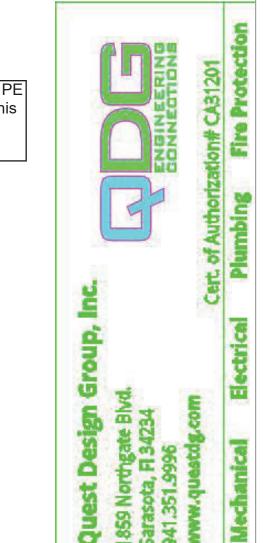
220035.00

MECHANICAL PLAN -FIRST TO FOURTH TYPICAL FLOOR

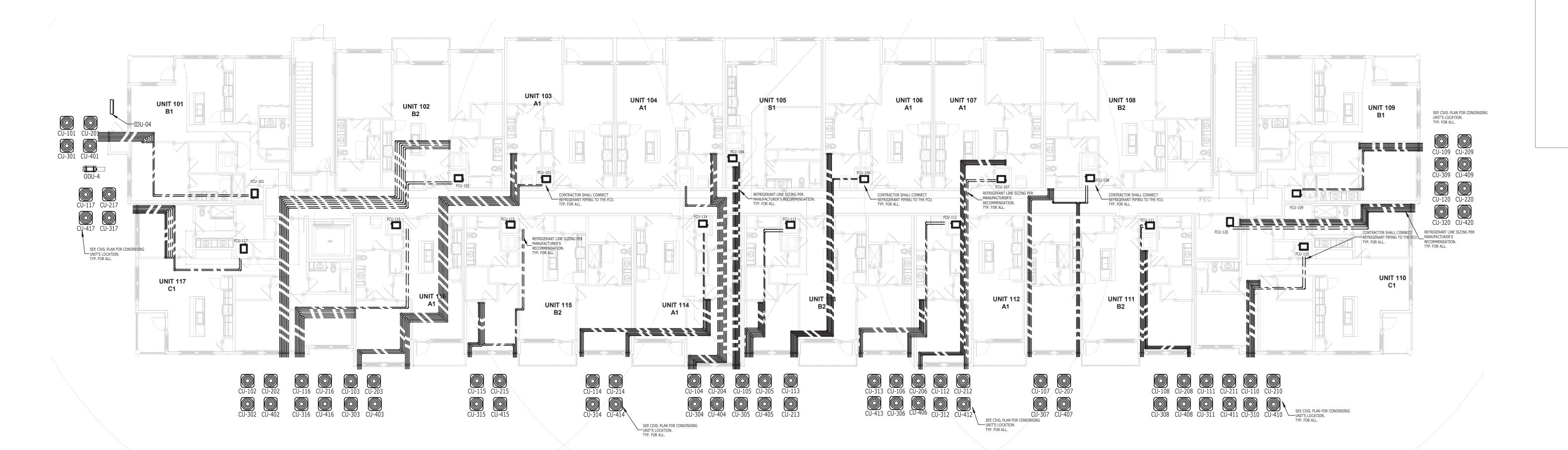
RM1.00



1 MECHANICAL PLAN - FIRST TO FOURTH TYPICAL FLOOR 3/32" = 1'-0"







1 REFRIGERANT PLAN - GROUND LEVEL 3/32" = 1'-0"



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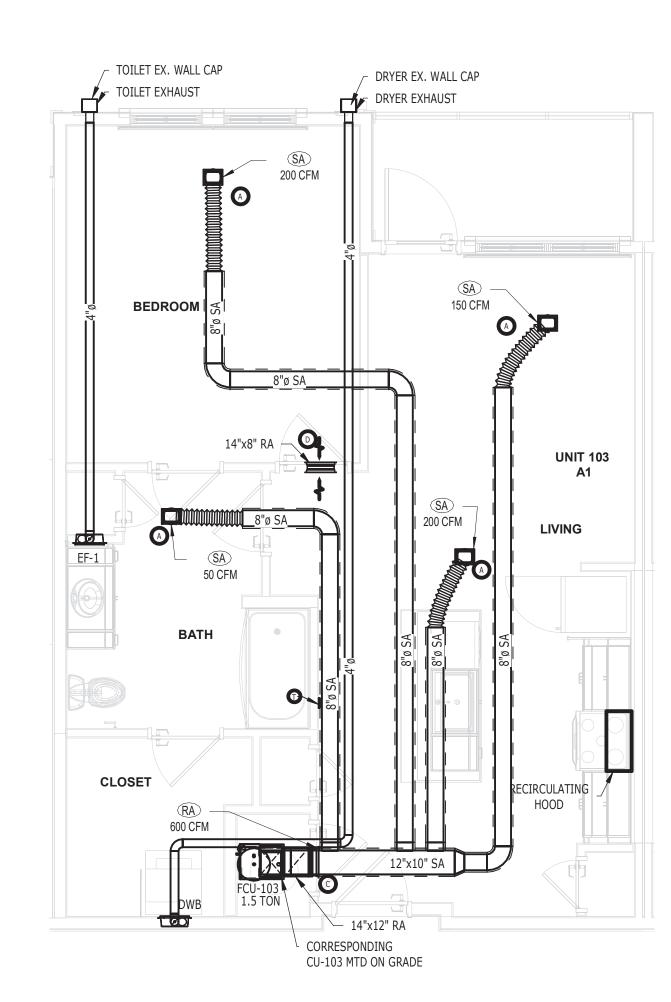
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220035.00

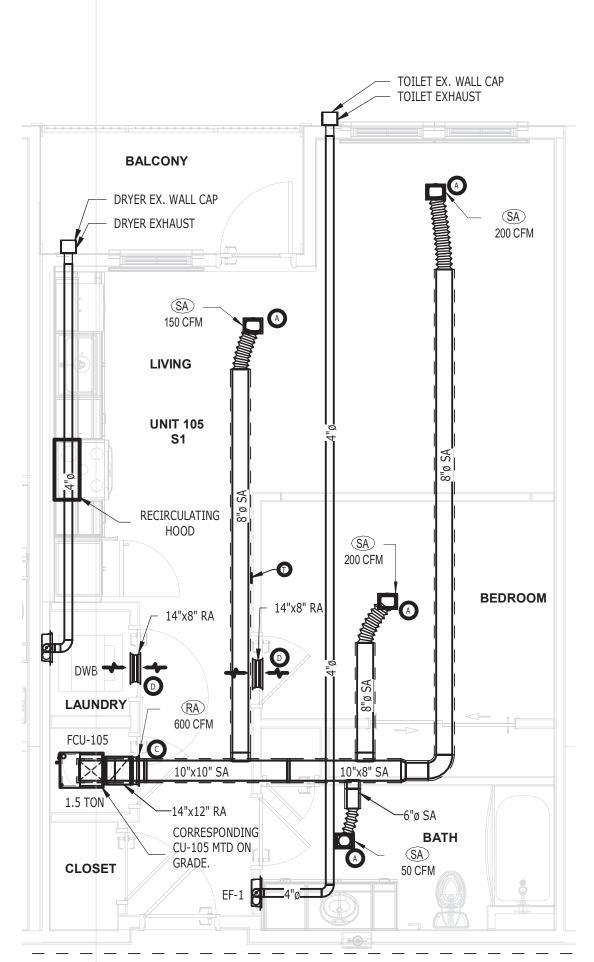
REFRIGERANT PLAN
- GROUND LEVEL

SHEET NUMBER:

RM2.00

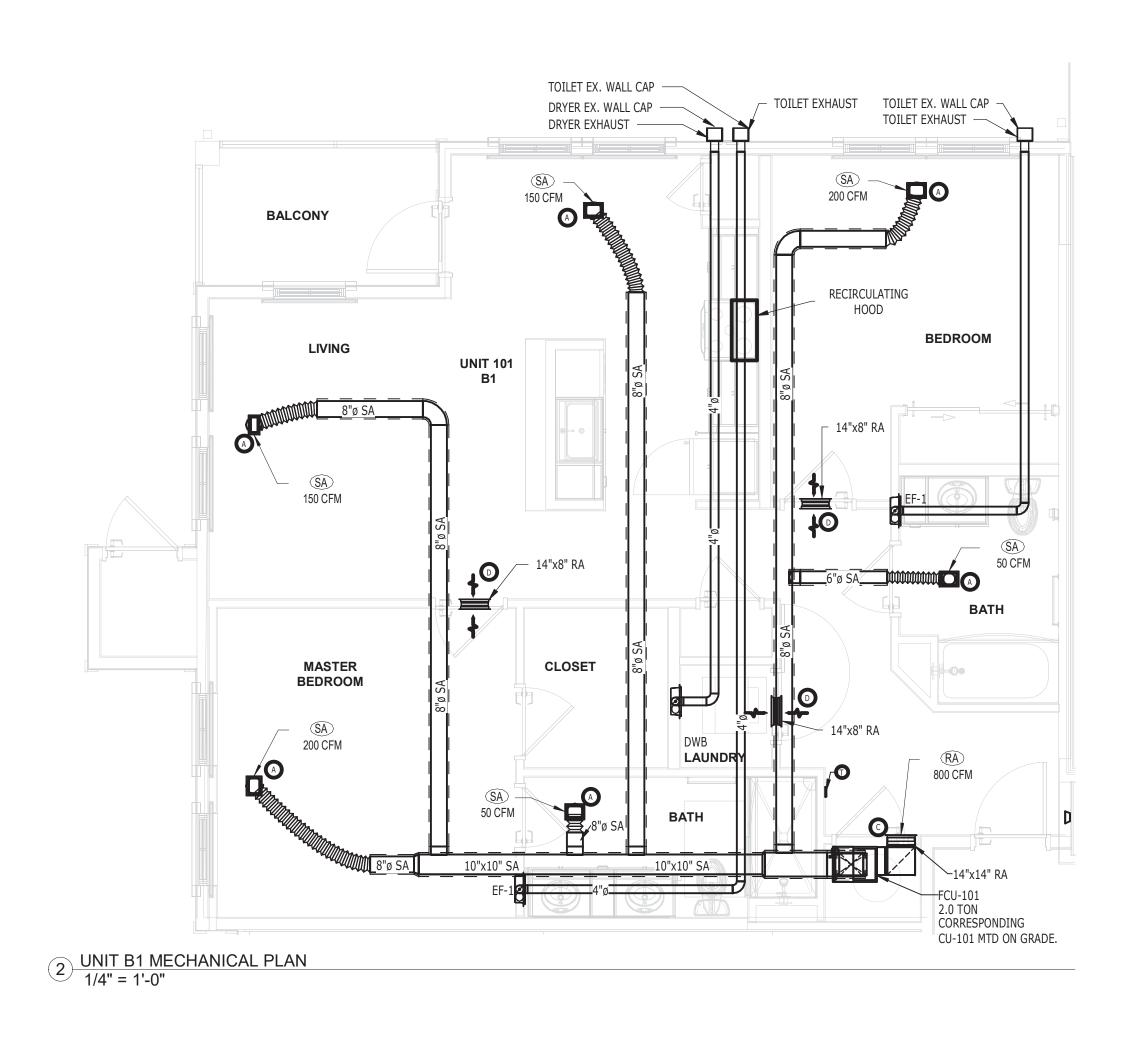


1 UNIT A1 MECHANICAL PLAN 1/4" = 1'-0"



5 UNIT S1 MECHANICAL PLAN
1/4" = 1'-0"

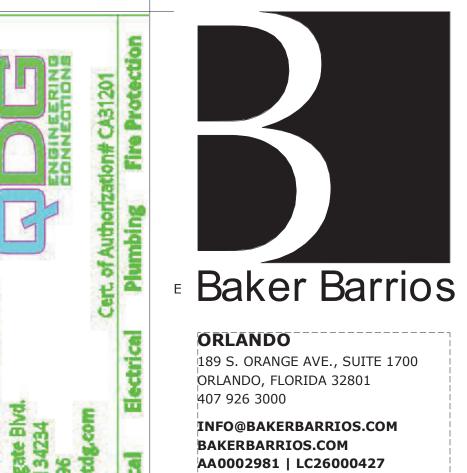
<u>UNIT C1 MECHANICAL PLAN</u>
1/4" = 1'-0"

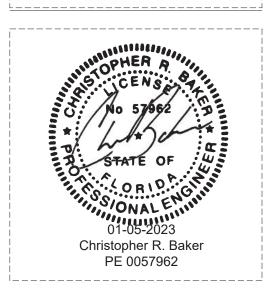


WALL CAP TOILET EXHAUST 200 CFM 50 CFM CORRESPONDING CU-117 MTD ON GRADE. LAUNDRY 10"x8" SA TOILET EX. WALL CAP 16"x14" RA TOILET EXHAUST └─ 14"x8" RA 1000 CFM **UNIT 117** 50 CFM CLOSET DRYER **EXHAUST** – 14"x8" RA **MASTER BEDROOM** BRYER EX. RECIRCULATING WALL CAP HOOD 200 CFM BEDROOM **BALCONY** 150 CFM 200 CFM

DRYER EX. WALL CAP — TOILET EX. WALL CAP TOILET EX. WALL CAP -**BALCONY** 200 CFM 200 CFM BEDROOM **UNIT 102** MASTER BEDROOM SA 50 CFM CLOSET **P**A BATH RECIRCULATING 10"x10" SA 10"x10" SA CORRESPONDING — — — 800 CFM 10"x14" SA─ CU-102 MTD ON GRADE.

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220035.00

MECHANICAL UNIT PLANS

SHEET NUMBER: RM3.00

ROOM NAME

OCCUPANCY TYPE

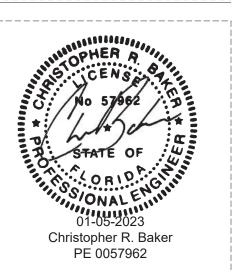
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					20 FI				ION SC		JLE AL MINIMUM PRO	OVIDED	EQUIPMEN	NT SERVING	
ROOM #	ROOM NAME	OCCUPANCY TYPE	Az (SQ.FT.)	CODE REG			TUAL VENT SF	O.A.I. CFM	EXHAUST CFM	SUPPLY CFM		EXHAUST/ RETURN CFM	SUPPLY FAN	EXHAUST FAN	Remarks
UNIT 101 (TY	PE - B1)									1					
001	BEDROOM 1	LIVING	145	11.6	5.8	36	13.5	-	-	200	-	-	FCU-101	-	
002	BEDROOM 2 BATH-1	LIVING TOILET ROOM	165 60	13.2	6.6	36	13.5	-	70	200 50	-	75	FCU-101 FCU-101	- EF-1	
004	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	72 440	35.2	17.6	90	33.75	-	70	50 300	-	75 -	FCU-101 FCU-101	EF-1	
001 UNIT 102 (TY	<b>PE - B2)</b> BEDROOM 1	LIVING	152	12.16	6.08	36	13.5			200			FCU-102		
002	BEDROOM 2	LIVING	180	14.4	7.2	36	13.5	-	-	200	-	-	FCU-102	-	
003	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	82 72	-	-	-	-	-	123 108	50 50	-	75 75	FCU-102 FCU-102	EF-3 EF-4	
005	KITCHEN + LIVING	LIVING	368	29.44	14.72	36	37.5	-	-	300	-	-	FCU-102	-	
UNIT 103 (TY	PE - A1)									1					
001	BEDROOM	LIVING	168	13.44	6.72	36	13.5	-	-	200	-	-	FCU-103	-	
002	BATH KITCHEN + LIVING	TOILET ROOM LIVING	90 355	28.4	14.2	36	37.5	-	135	50 300	-	75	FCU-103 FCU-103	EF-5	
UNIT 104 (TY	PE - A1)														
001 002	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	135	200 50	-	75	FCU-104 FCU-104	- EF-6	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	70	FCU-104	-	
										600					
UNIT 105 (TY						1				T					
001	BEDROOM BATH	LIVING TOILET ROOM	110 75	8.8	4.4	-	-	-	113	200 50	-	75	FCU-105 FCU-105	EF-7	BORROWED LIGHT & VENT
003	KITCHEN + LIVING	LIVING	300	24	12	54	20.25	-	-	300	-	-	FCU-105		
UNIT 106 (TY	PE - A1)	1	ı		I	1	1	1		1				1	1
001	BEDROOM	LIVING	168	13.44	6.72	36	13.5	-	-	200	-	-	FCU-106	_	
002	BATH	TOILET ROOM	90	-	-	-	-	-	135	50	-	75	FCU-106	EF-8	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-106	-	
UNIT 107 (TY	PE - A1)														
001	BEDROOM	LIVING	168	13.44	6.72	36	13.5	-	-	200	-	-	FCU-107	-	
002 003	BATH KITCHEN + LIVING	TOILET ROOM LIVING	90 355	28.4	14.2	36	37.5	-	135	50 300	-	75 -	FCU-107 FCU-107	EF-9 -	
UNIT 108 (TY	PE - B2)														
001 002	BEDROOM 1 BEDROOM 2	LIVING LIVING	152 180	12.16 14.4	6.08 7.2	36 36	13.5 13.5	-		200 200	-	-	FCU-108 FCU-108	-	
003	BATH-1	TOILET ROOM	82	-	-	-	-	-	123	50	-	75	FCU-108	EF-10	
004 005	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	72 368	29.44	14.72	36	37.5	-	108	50 300	-	75 -	FCU-108 FCU-108	EF11 -	
001 UNIT 109 (TY	BEDROOM 1	LIVING	145	11.6	5.8	36	13.5	_	_	200	-	-	FCU-109	-	
002	BEDROOM 2	LIVING	165	13.2	6.6	36	13.5	-	-	200	-	-	FCU-109	-	
003 004	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	60 72	-	-	-	-	-	90	50 50	-	75 75	FCU-109 FCU-109	EF-12 EF-13	
005	KITCHEN + LIVING	LIVING	440	35.2	17.6	90	33.75	-	-	300	-	-	FCU-109	-	
UNIT 110 (TY	PE - C1)											<u> </u>		1	
001	BEDROOM 1	LIVING	117	9.36	4.68	36	13.5	-	-	200	-	-	FCU-110	-	
002	BEDROOM 2 BEDROOM 3	LIVING LIVING	127 155	10.16 12.4	5.08 6.2	36 18	13.5 6.75	-	-	200 200	-	-	FCU-110 FCU-110	-	
004	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	92 62	-	-	-	-	-	138 93	50 50	-	75 75	FCU-110 FCU-110	EF-14 EF-15	
006	KITCHEN + LIVING	LIVING	538	43.04	21.52	72	27	-	-	300	-	-	FCU-110	-	
UNIT 111 (TY	PE - B2)														
001	BEDROOM 1	LIVING	145	11.6	5.8	36	13.5	-	-	200	-	-	FCU-111	-	
002	BEDROOM 2 BATH-1	LIVING TOILET ROOM	165 60	13.2	6.6	36	13.5	-	90	200 50	-	- 75	FCU-111 FCU-111	- EF-16	
004	BATH-2	TOILET ROOM	72	-	-	-	-	-	108	50	-	75	FCU-111	EF-17	
005	KITCHEN + LIVING	LIVING	440	35.2	17.6	36	37.5	-	-	300	-	-	FCU-111	-	
UNIT 112 (TY	PE - A1)														
001 002	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	135	200 50	-	- 75	FCU-112 FCU-112	EF-18	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-112	LI - 10	
LINIT 442 (TV	(DF _ R2)														
<b>UNIT 113 (TY</b>	BEDROOM 1	LIVING	145	11.6	5.8	36	13.5	-	-	200	-	-	FCU-113	-	
002	BEDROOM 2	LIVING	165	13.2	6.6	36	13.5	-	-	200	-	-	FCU-113	-	
003	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	60 72	-	-	-	-	-	90	50	-	75 75	FCU-113 FCU-113	EF-19 EF-20	
005	KITCHEN + LIVING	LIVING	440	35.2	17.6	36	37.5	-	-	300	-	-	FCU-113	-	
UNIT 114 (TY	PE - A1)			_	<del></del>			_							_
001	BEDROOM	LIVING	168	13.44	6.72	36	13.5	-	-	200	-	-	FCU-114	-	
002	BATH KITCHEN + LIVING	TOILET ROOM LIVING	90 355	28.4	14.2	36	37.5	-	135	50 300	-	75 -	FCU-114 FCU-114	EF-21 -	
<b>UNIT 115 (TY</b>	BEDROOM 1	LIVING	145	11.6	5.8	36	13.5	-		200	_	-	FCU-115	_	T
002	BEDROOM 2	LIVING	165	13.2	6.6	36	13.5	-	-	200	-	-	FCU-115	-	
003 004	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	60 72	-	-	-	-	-	90	50 50	-	75 75	FCU-115 FCU-115	EF-22 EF-23	
005	KITCHEN + LIVING	LIVING	440	35.2	17.6	36	37.5	-	-	300	-	-	FCU-115	-	
UNIT 116 (TY	PE - A1)	1	I		I	1		I	1	1				1	1
001	BEDROOM	LIVING	168	13.44	6.72	36	13.5	-	-	200	-	-	FCU-116	-	
002 003	BATH KITCHEN + LIVING	TOILET ROOM LIVING	90 355	- 28.4	14.2	- 36	37.5	-	135	50 300	-	75 -	FCU-116 FCU-116	EF-24 -	
	0	5					- 1.0								
UNIT 117 (TY								Т	T		,				1
001	BEDROOM 1 BEDROOM 2	LIVING LIVING	117 127	9.36 10.16	4.68 5.08	36 36	13.5 13.5	-	-	200	-	-	FCU-117 FCU-117	-	
003	BEDROOM 3 BATH-1	LIVING TOILET ROOM	155 92	12.4	6.2	18	6.75	-	- 138	200	-	- 75	FCU-117 FCU-117	- EF-25	
005	BATH-2	TOILET ROOM	62	-	-	-	-	-	93	50	-	75	FCU-117	EF-26	
006	KITCHEN + LIVING	LIVING	538	43.04	21.52	72	27	-	-	300	-	-	FCU-117	-	
CORRIDOR 1	00														
	0000000	0000000	447												





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220035.00

MECHANICAL SCHEDULES

RM4.00

001 002 003 004 005															
003 004	BEDROOM 1	LIVING	145	11.6	5.8	36	13.5	-	-	200	-	-	FCU-201	-	
004	BEDROOM 2 BATH-1	LIVING TOILET ROOM	165 60	13.2	6.6	36	13.5	-	70	200 50	-	- 75	FCU-201 FCU-201	- EF-1	
LILIS	BATH-2	TOILET ROOM	72	- 25.2	- 17.6	-	- 22.75	-	70	50	-	75	FCU-201	EF-2	
	KITCHEN + LIVING	LIVING	440	35.2	17.6	90	33.75	-	-	300	-	-	FCU-201	-	
UNIT 202 (TY	PE - B2)							,							
001	BEDROOM 1	LIVING	152	12.16	6.08	36	13.5	-	-	200	-	-	FCU-202	-	
002 003	BEDROOM 2 BATH-1	LIVING TOILET ROOM	180 82	14.4	7.2	36	13.5	-	- 123	200 50	-	- 75	FCU-202 FCU-202	- EF-3	
003	BATH-2	TOILET ROOM TOILET ROOM	72	-	-	-	-	-	108	50	-	75 75	FCU-202	EF-4	
005	KITCHEN + LIVING	LIVING	368	29.44	14.72	36	37.5	-	-	300	-	-	FCU-202	-	
UNIT 203 (TY	(DE A1)														
		LINVINIO	100	40.44	0.70	00	40.5			000			FOUL 000		
001 002	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	135	200 50	-	- 75	FCU-203 FCU-203	- EF-5	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-203	-	
UNIT 204 (TY													,		
001 002	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	- 135	200 50	-	75	FCU-204 FCU-204	- EF-6	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-		FCU-204	-	
										600					
UNIT 205 (TY	PE - S1)														
001	BEDROOM	LIVING	110	8.8	4.4	-	-	-	-	200	-	-	FCU-205	FF 7	BORROWED LIGHT & VENT
002 003	BATH KITCHEN + LIVING	TOILET ROOM LIVING	75 300	24	12	54	20.25	-	113	50 300	-	75 -	FCU-205 FCU-205	EF-7	
UNIT 206 (TY	PE - A1)														
001	BEDROOM	LIVING	168	13.44	6.72	36	13.5	-	-	200	-	-	FCU-206	-	
002 003	BATH KITCHEN + LIVING	TOILET ROOM LIVING	90 355	- 28.4	14.2	- 36	37.5	-	135	50 300	-	75 -	FCU-206 FCU-206	EF-8 -	
500	TATIONEIN ! LIVING	LIVING	000	20.4	14.4	50	01.0	-	-	500	-	<u>-</u>	1 50-200	<u>-</u>	
UNIT 207 (TY	PE - A1)														
001	BEDROOM	LIVING	168	13.44	6.72	36	13.5	-	-	200	-		FCU-207	-	
002	BATH	TOILET ROOM	90	-	-	-	-	-	135	50	-	75	FCU-207	EF-9	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-207	-	
UNIT 208 (TY	PE - B2)		I		1	1					1		i		
		1.0.02.2	450	40.15	0.00		40.5	ı		000			FOLLOGO		
001 002	BEDROOM 1 BEDROOM 2	LIVING LIVING	152 180	12.16 14.4	6.08 7.2	36 36	13.5 13.5	-	-	200	-	-	FCU-208 FCU-208	-	
003	BATH-1	TOILET ROOM	82	-	-	-	-	-	123	50	-	75 75	FCU-208	EF-10	
004 005	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	72 368	- 29.44	14.72	36	37.5	-	108	50 300	-	75 -	FCU-208 FCU-208	EF11 -	
UNIT 209 (TY															
001 002	BEDROOM 1 BEDROOM 2	LIVING LIVING	145 165	11.6 13.2	5.8 6.6	36 36	13.5 13.5	-	-	200	-	-	FCU-209 FCU-209	-	
003	BATH-1	TOILET ROOM	60	-	-	-	-	-	90	50	-	75	FCU-209	EF-12	
004 005	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	72 440	35.2	17.6	90	33.75	-	108	50 300	-	75	FCU-209 FCU-209	EF-13	
	TATIONER ENTITE	LIVING	110	00.2	17.0		00.70						1 00 200		
UNIT 210 (TY	PE - C1)														
001	BEDROOM 1	LIVING	117	9.36	4.68	36	13.5	-	-	200	-	-	FCU-210	-	
002 003	BEDROOM 2 BEDROOM 3	LIVING LIVING	127 155	10.16 12.4	5.08 6.2	36 18	13.5 6.75	-	-	200	-	-	FCU-210 FCU-210	-	
004	BATH-1	TOILET ROOM	92	-	-	-	-	-	138	50	-	75	FCU-210	EF-14	
005 006	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	62 538	43.04	21.52	72	27	-	93	50 300	-	75 -	FCU-210 FCU-210	EF-15 -	
UNIT 211 (TY	PE - B2)														
001	BEDROOM 1	LIVING	145	11.6	5.8	36	13.5	-	-	200	-	-	FCU-211	-	
001 002 003	BEDROOM 1 BEDROOM 2 BATH-1	LIVING LIVING TOILET ROOM	145 165 60	11.6 13.2 -	5.8 6.6	36 36 -	13.5 13.5	- - -	- - 90	200 200 50		- - 75	FCU-211 FCU-211 FCU-211	- - EF-16	
002 003 004	BEDROOM 2 BATH-1 BATH-2	LIVING TOILET ROOM TOILET ROOM	165 60 72	13.2 - -	6.6	36 - -	13.5	- - -	- 90 108	200 50 50	-	- 75 75	FCU-211 FCU-211 FCU-211	- EF-16 EF-17	
002 003	BEDROOM 2 BATH-1	LIVING TOILET ROOM	165 60	13.2	6.6	36	13.5	-	- 90	200 50	-	- 75	FCU-211 FCU-211	- EF-16	
002 003 004 005	BEDROOM 2  BATH-1  BATH-2  KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM	165 60 72	13.2 - -	6.6	36 - -	13.5	- - -	- 90 108	200 50 50	-	- 75 75	FCU-211 FCU-211 FCU-211	- EF-16 EF-17	
002 003 004	BEDROOM 2  BATH-1  BATH-2  KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM	165 60 72	13.2 - -	6.6	36 - -	13.5	- - -	- 90 108	200 50 50	-	- 75 75	FCU-211 FCU-211 FCU-211	- EF-16 EF-17	
002 003 004 005 UNIT 212 (TY 001 002	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1) BEDROOM BATH	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM	165 60 72 440 168 90	13.2 - - 35.2 13.44 -	6.6	36 - - 36 - 36	13.5 - - 37.5	- - - -	- 90 108 - - 135	200 50 50 300 200 50		- 75 75 - - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212	- EF-16 EF-17	
002 003 004 005 UNIT 212 (TY	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1) BEDROOM	LIVING TOILET ROOM TOILET ROOM LIVING	165 60 72 440	13.2 - - 35.2	6.6	36 - - 36	13.5 - - 37.5		- 90 108 -	200 50 50 300		- 75 75 -	FCU-211 FCU-211 FCU-211 FCU-211	- EF-16 EF-17 -	
002 003 004 005 <b>UNIT 212 (TY</b> 001 002 003	BEDROOM 2  BATH-1  BATH-2  KITCHEN + LIVING  PE - A1)  BEDROOM  BATH  KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM	165 60 72 440 168 90	13.2 - - 35.2 13.44 -	6.6	36 - - 36 - 36	13.5 - - 37.5	- - - -	- 90 108 - - 135	200 50 50 300 200 50		- 75 75 - - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212	- EF-16 EF-17 -	
002 003 004 005 <b>UNIT 212 (TY</b> 001 002 003	BEDROOM 2  BATH-1  BATH-2  KITCHEN + LIVING  PE - A1)  BEDROOM  BATH  KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM	165 60 72 440 168 90	13.2 - - 35.2 13.44 -	6.6	36 - - 36 - 36	13.5 - - 37.5	- - - -	- 90 108 - - 135	200 50 50 300 200 50 300		- 75 75 - - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212	- EF-16 EF-17 -	
002 003 004 005 UNIT 212 (TY 001 002 003 UNIT 213 (TY 001 002	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING LIVING	165 60 72 440 168 90 355	13.2 - - 35.2 13.44 - 28.4	6.6 - - 17.6 - 14.2 - 14.2	36 - - 36 - 36 - 36 - 36 - 36	13.5 - 37.5 13.5 - 37.5 13.5 13.5	- - - - - - -	- 90 108 - - 135 -	200 50 50 300 200 50 300 200 200	- - - - - - -	- 75 75 - - 75 -	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213	- EF-16 EF-17 - EF-18	
002 003 004 005 UNIT 212 (TY 001 002 003 UNIT 213 (TY	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  TOILET ROOM TOILET ROOM	165 60 72 440 168 90 355 145 165 60 72	13.2 - - 35.2 13.44 - 28.4 11.6 13.2 -	6.6 - - 17.6 6.72 - 14.2	36 - - 36 - 36 - 36	13.5 - - 37.5 13.5 - 37.5	- - - - - -	- 90 108 - - 135 -	200 50 50 300 200 50 300 200 200 50 50 50	- - - - - -	- 75 75 - - 75 -	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213	- EF-16 EF-17 - EF-18	
002 003 004 005 UNIT 212 (TY 001 002 003 UNIT 213 (TY 001 002 003	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM	165 60 72 440 168 90 355 145 165 60	13.2 - - 35.2 13.44 - 28.4 11.6 13.2	6.6 - 17.6 6.72 - 14.2 5.8 6.6 -	36 - - 36 - 36 - 36 - 36 - - 36	13.5 - 37.5 13.5 - 37.5 13.5 - 13.5 -	- - - - - - - - -	- 90 108 - - 135 - - - 90	200 50 300 200 50 300 200 200 50	- - - - - - - - -	- 75 75 - - 75 - - - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213	- EF-16 EF-17 - EF-18	
002 003 004 005 UNIT 212 (TY 001 002 003 UNIT 213 (TY 001 002 003 004 005	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  TOILET ROOM TOILET ROOM	165 60 72 440 168 90 355 145 165 60 72	13.2 - - 35.2 13.44 - 28.4 11.6 13.2 -	6.6 - 17.6 6.72 - 14.2 5.8 6.6 -	36 - - 36 - 36 - 36 - 36 - -	13.5 - 37.5 13.5 - 37.5 13.5 - 13.5 - -	- - - - - - - - - -	- 90 108 - - 135 - - - - 90 108	200 50 50 300 200 50 300 200 200 50 50 50	- - - - - - - - - -	- 75 75 75 75 75 75 - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213	- EF-16 EF-17 - - EF-18	
002 003 004 005 UNIT 212 (TY 001 002 003 UNIT 213 (TY 001 002 003 004 005 UNIT 214 (TY	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING  LIVING TOILET ROOM TOILET ROOM TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440	13.2 - - 35.2 13.44 - 28.4 11.6 13.2 - - 35.2	6.6 - 17.6 17.6 6.72 - 14.2 5.8 6.6 - 17.6	36 - - 36 - 36 - 36 - - 36 - - 36	13.5 - 37.5 13.5 - 37.5 13.5 - 37.5	- - - - - - - - - - -	- 90 108 - - 135 - - - 90 108 -	200 50 50 300 200 50 300 200 200 50 50 300	- - - - - - - - - - -	- 75 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-213	- EF-16 EF-17 - - EF-18 EF-19 EF-20 -	
002 003 004 005 UNIT 212 (TY 001 002 003 UNIT 213 (TY 001 002 003 004 005 UNIT 214 (TY 001 002	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING TOILET ROOM TOILET ROOM TOILET ROOM LIVING TOILET ROOM TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440	13.2 - - 35.2 13.44 - 28.4 11.6 13.2 - - 35.2	6.6 - - 17.6 6.72 - 14.2 5.8 6.6 - - 17.6	36 - - 36 - 36 - 36 - - 36 - 36	13.5 - 37.5 13.5 - 37.5 13.5 - 37.5	- - - - - - - - - -	- 90 108 - - 135 - - - - 90 108	200 50 300 200 50 300 200 200 50 300 200 50 300	- - - - - - - - - -	- 75 75 75 75 75 75 - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214	- EF-16 EF-17 - - EF-18	
002 003 004 005  UNIT 212 (TY 001 002 003  UNIT 213 (TY 001 002 003 004 005  UNIT 214 (TY 001	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING  LIVING TOILET ROOM TOILET ROOM TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440	13.2 - - 35.2 13.44 - 28.4 11.6 13.2 - - 35.2	6.6 - 17.6 6.72 - 14.2 5.8 6.6 - - 17.6	36 - - 36 - 36 - 36 - - 36 - 36	13.5 - 37.5 13.5 - 37.5 13.5 - 37.5		- 90 108 - - 135 - - 90 108 -	200 50 50 300 200 50 300 200 50 50 50 300	- - - - - - - - - - -	- 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214	- EF-16 EF-17 - - EF-18 EF-19 EF-20 -	
002 003 004 005  UNIT 212 (TY 001 002 003  UNIT 213 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING TOILET ROOM TOILET ROOM TOILET ROOM LIVING TOILET ROOM TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440	13.2 - - 35.2 13.44 - 28.4 11.6 13.2 - - 35.2	6.6 - - 17.6 6.72 - 14.2 5.8 6.6 - - 17.6	36 - - 36 - 36 - 36 - - 36 - 36	13.5 - 37.5 13.5 - 37.5 13.5 - 37.5		- 90 108 - - 135 - - 90 108 - - 135	200 50 300 200 50 300 200 200 50 300 200 50 300		- 75 75 75 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214	- EF-16 EF-17 - - EF-18 EF-19 EF-20 - - EF-21	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 213 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING  TOILET ROOM LIVING  LIVING  TOILET ROOM TOILET ROOM TOILET ROOM LIVING  LIVING  TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440	13.2 - 35.2 13.44 - 28.4 11.6 13.2 - - 35.2 13.44 - 28.4	6.6 - - 17.6 6.72 - 14.2 5.8 6.6 - - 17.6	36 - - 36 - 36 - 36 - - 36 - 36 - 36 - 36	13.5 - 37.5 13.5 - 37.5 13.5 - 37.5 13.5 - 37.5		- 90 108 - - 135 - - 90 108 - - 135	200 50 300 200 50 300 200 200 50 300 200 50 300 200 50 300		- 75 75 75 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214	- EF-16 EF-17 - - EF-18 EF-19 EF-20 - - EF-21	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 213 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 UNIT 215 (TY 001 002	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING  LIVING TOILET ROOM TOILET ROOM LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  LIVING  LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355	13.2 - - 35.2 13.44 - 28.4 11.6 13.2 - - 35.2	6.6 - - 17.6 6.72 - 14.2 5.8 6.6 - - 17.6	36 - - 36 - 36 - 36 - - 36 - 36	13.5 - 37.5 13.5 - 37.5 13.5 - 37.5		- 90 108 - - 135 - - 90 108 - - 135 -	200 50 300 200 50 300 200 200 50 50 300 200 50 300 200 50 300		- 75 75 75 75 75 75 75 75 -	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-214 FCU-215	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 213 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 UNIT 215 (TY 001 002 003	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM 8 ATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING  LIVING TOILET ROOM TOILET ROOM LIVING  TOILET ROOM LIVING  TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 11.6 13.2	6.6  17.6  6.72  - 14.2  5.8  6.6  17.6  6.72  - 14.2  5.8  6.6	36 - - 36 36 - 36 36 - - 36 - 36 - 36 - 36	13.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5		- 90 108 - 135 - 90 108 - 135 - 135 - 90	200 50 300 200 50 300 200 200 50 300 200 50 300 200 50 300		- 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 213 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 UNIT 215 (TY	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING  LIVING TOILET ROOM TOILET ROOM LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  LIVING  LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4	6.6 17.6 - 17.6 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2	36 - - 36 - - 36 - - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 -	13.5 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5		- 90 108 - - 135 - - 90 108 - - 135 -	200 50 300 200 50 300 200 200 50 50 300 200 50 300 200 50 300		- 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-214 FCU-215	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 004 005	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING  TOILET ROOM LIVING  LIVING  TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING  LIVING  TOILET ROOM LIVING  TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 35.2  11.6 13.2	6.6  17.6  6.72  - 14.2  5.8  6.6  - 17.6  6.72  - 14.2  5.8  6.6	36 - - 36 - 36 - 36 - - 36 - - 36 - - 36 - - 36 - - - - - - - - - - - - -	13.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 37.5		- 90 108 - - 135 - - 90 108 - - - - 90 108	200 50 300 200 50 300 200 200 50 300 200 50 300 200 50 300		- 75 75 75 75 75 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215	- EF-16 EF-17 -  EF-18  EF-18	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 UNIT 216 (TY	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING  TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4	6.6  17.6  6.72  - 14.2  5.8  6.6  17.6  5.8  6.6  17.6  - 14.2	36 - - 36 36 - 36 36 - - 36 - 36 - 36 - 36 - 36	13.5 37.5  13.5 - 37.5  13.5 - 37.5  13.5 - 37.5  13.5 - 37.5  13.5 - 37.5		- 90 108 - - 135 - - 90 108 - - - - 90 108	200 50 300 200 50 300 200 200 50 300 200 50 300 200 50 300 200 50 300		- 75 75 75 75 75 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215	- EF-16 EF-17 -  EF-18  EF-18	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 004 005	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4	6.6	36 - - 36 - 36 - 36 - - 36 - 36 - - 36 - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 -	13.5 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5		- 90 108 - 135 90 108 90 108 	200 50 300 200 50 300 200 200 50 300 200 50 300 200 50 300 200 200 50 300		- 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 UNIT 216 (TY	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING  TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4	6.6  17.6  6.72  - 14.2  5.8  6.6  17.6  5.8  6.6  17.6  - 14.2	36 - - 36 36 - 36 36 - - 36 - 36 - 36 - 36 - 36	13.5 37.5  13.5 - 37.5  13.5 - 37.5  13.5 - 37.5  13.5 - 37.5  13.5 - 37.5		- 90 108 - 135 90 108 90 108 90 108	200 50 300 200 50 300 200 200 50 300 200 50 300 200 50 300 200 50 300		- 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 UNIT 216 (TY 001 002 003 004 005	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING TOILET ROOM TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING  TOILET ROOM LIVING  TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4  11.6 13.2 35.2	6.6 17.6 - 17.6 - 14.2 - 14.2 - 14.2 - 14.2 - 17.6 - 17.6 - 17.6 - 17.6 - 17.6	36 - - 36 - - 36 - - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 -	13.5 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5		- 90 108 - 135 90 108 135 90 108 135	200 50 300 200 50 300 200 200 50 300 200 50 300 200 50 300 200 50 300		- 75 75 75 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215 FCU-216 FCU-216	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 004 005  UNIT 216 (TY 001 002 003 004 005  UNIT 216 (TY 001 002 003 004 005	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - B2)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING  LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355	13.2 35.2  13.44 28.4  11.6 13.2 35.2  13.44 - 28.4  11.6 13.2 35.2	6.6 17.6 - 17.6 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2	36 - - 36 - - 36 - - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 -	13.5 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5		- 90 108 - 135 90 108 135 90 108 135	200 50 300 200 50 300 200 200 50 300 200 50 300 200 50 300 200 50 300 200 50 300		- 75 75 75 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-216 FCU-216 FCU-216	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003  UNIT 216 (TY 001 002 003 004 005  UNIT 217 (TY 001	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4  11.6 13.2 - 35.2  13.44 - 28.4	6.6 17.6 - 17.6 - 17.6 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2	36 - - 36 - - 36 - - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 -	13.5 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 13.5 - 37.5 - 13.5 - 37.5		- 90 108 - 135 90 108 135 90 108 135	200 50 300 200 50 300 200 200 50 300 200 50 300 200 200 50 300 200 200 50 300		- 75 75 75 75 75 75 75 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215 FCU-216 FCU-216 FCU-216	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 004 005  UNIT 217 (TY 001 002 003 004 005  UNIT 216 (TY 001 002 003 004 005	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING TOILET ROOM TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING TOILET ROOM LIVING  LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355 145 165 60 72 440	13.2 35.2  13.44 28.4  11.6 13.2 35.2  13.44 - 28.4  11.6 13.2 35.2	6.6 17.6 - 17.6 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2 - 14.2	36 - - 36 - - 36 - - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 -	13.5 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5		- 90 108 - 135 - 90 108 - 90 108 90 108 90 108 135 90 108	200 50 300 200 50 300 200 200 50 300 200 50 300 200 50 300 200 50 300 200 50 300		- 75 - 75 - 75 - 75 - 75 - 75 - 75 - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215 FCU-216 FCU-216 FCU-216 FCU-217 FCU-217	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 213 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 004 005  UNIT 217 (TY 001 002 003 004 005	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - A1)  BEDROOM 1 BEDROOM 2 BATH-1 KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING  TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355 145 165 60 72 440	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4	6.6  17.6  6.72  - 14.2  5.8  6.6  17.6  6.72  - 14.2  5.8  6.6  17.6  6.72  - 14.2  4.68  5.08  6.2  -	36 - - 36 - 36 - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 -	13.5 37.5 - 37.5 - 37.5 - 37.5 - 37.5 37.5 37.5 37.5 37.5		- 90 108 - 135 - 90 108 90 108 90 108 90 108 135 135 135 - 135	200 50 300 200 50 300 200 200 50 300 200 50 300 200 200 50 300 200 200 200 200 200 200 20		- 75 - 75 - 75 - 75 - 75 - 75 - 75 - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215 FCU-216 FCU-216 FCU-217 FCU-217 FCU-217	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 004 005  UNIT 217 (TY 001 002 003 004 005  UNIT 216 (TY 001 002 003 004 005	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM TOILET ROOM LIVING  LIVING TOILET ROOM LIVING  LIVING TOILET ROOM TOILET ROOM TOILET ROOM LIVING  LIVING  LIVING TOILET ROOM LIVING  LIVING  TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355 145 165 60 72 440	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4	6.6	36 - - 36 - - 36 - - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36 -	13.5 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5		- 90 108 - 135 - 90 108 - 90 108 90 108 90 108 135 90 108	200 50 300 200 50 300 200 200 50 300 200 50 300 200 50 300 200 50 300 200 50 300		- 75 - 75 - 75 - 75 - 75 - 75 - 75 - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215 FCU-216 FCU-216 FCU-216 FCU-217 FCU-217	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 004 005  UNIT 216 (TY 001 002 003 004 005  UNIT 217 (TY 001 002 003 004 005 006	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - C1)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM  LIVING  TOILET ROOM  LIVING  LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355 145 165 60 72 440	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4	6.6 17.6 - 17.6 - 17.6 - 14.2	36 - - 36 - 36 - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - - - - - - - - - - - -	13.5 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5		- 90 108 - 135 - 135 - 135 - 135 - 135 - 135 - 135 - 135 - 135 - 135 - 138 93	200 50 300 200 50 300 200 200 50 300 200 200 200 50 300 200 200 50 300 200 200 50 300		- 75 - 75 - 75 - 75 - 75 - 75 - 75 - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215 FCU-216 FCU-216 FCU-217 FCU-217 FCU-217 FCU-217	- EF-16 EF-17	
002 003 004 005  UNIT 212 (TY 001 002 003 004 005  UNIT 214 (TY 001 002 003 004 005  UNIT 215 (TY 001 002 003 004 005  UNIT 216 (TY 001 002 003 004 005  UNIT 217 (TY 001 002 003 004 005	BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - B2)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING  PE - A1)  BEDROOM BATH KITCHEN + LIVING  PE - C1)  BEDROOM 1 BEDROOM 2 BATH-1 BATH-2 KITCHEN + LIVING	LIVING TOILET ROOM LIVING  LIVING  LIVING  LIVING  LIVING  LIVING  TOILET ROOM  LIVING  TOILET ROOM  LIVING  LIVING	165 60 72 440 168 90 355 145 165 60 72 440 168 90 355 145 165 60 72 440	13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4  11.6 13.2 35.2  13.44 - 28.4	6.6 17.6 - 17.6 - 17.6 - 14.2	36 - - 36 - 36 - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - 36 - - - - - - - - - - - - -	13.5 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5 - 37.5		- 90 108 - 135 - 135 - 135 - 135 - 135 - 135 - 135 - 135 - 135 - 135 - 138 93	200 50 300 200 50 300 200 200 50 300 200 200 200 50 300 200 200 50 300 200 200 50 300		- 75 - 75 - 75 - 75 - 75 - 75 - 75 - 75	FCU-211 FCU-211 FCU-211 FCU-211 FCU-211 FCU-212 FCU-212 FCU-212 FCU-213 FCU-213 FCU-213 FCU-213 FCU-214 FCU-214 FCU-214 FCU-215 FCU-215 FCU-215 FCU-215 FCU-215 FCU-216 FCU-216 FCU-217 FCU-217 FCU-217 FCU-217	- EF-16 EF-17	

2020 FBC VENTILATION SCHEDULE

NATURAL LIGHT & VENT ORDINANCE REQUIRED ACTUAL MINIMUM PROVIDED

CODE REQUIRED ACTUAL

GLASS SF VENT SF GLASS SF VENT SF O.A.I. CFM EXHAUST CFM SUPPLY CFM O.A.I. CFM RETURN CFM

EQUIPMENT SERVING

SUPPLY FAN EXHAUST FAN

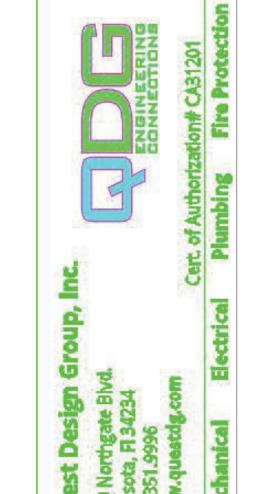
Remarks

CORRIDOR

This set has been digitally signed and sealed by Chris R. Baker, PE on January 5, 2023 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

				1				1	ON SC						
оом#	ROOM NAME	OCCUPANCY TYPE	Az (SQ.FT.)	CODE REC		AC.	TUAL		E REQUIRED		AL MINIMUM F	EXHAUST/	EQUIPMEN SUPPLY FAN	NT SERVING  EXHAUST FAN	Remarks
			(30.11.)	GLASS SF	VENT SF	GLASS SI	VENT SF	O.A.I. CFM	EXHAUST CFM	SUPPLY CFN	O.A.I. CFM	RETURN CFM	SUPPLY FAN	EXHAUST FAN	Remarks
001 (TYF	PE - B1) BEDROOM 1	LIVING	145	11.6	5.8	36	13.5	_	_	200		_	FCU-401	-	
002	BEDROOM 2	LIVING	165	13.2	6.6	36	13.5	-	-	200	-	-	FCU-401	-	
003 004	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	60 72	-	-	-	-	-	70 70	50 50	-	75 75	FCU-401 FCU-401	EF-1 EF-2	
005	KITCHEN + LIVING	LIVING	440	35.2	17.6	90	33.75	-	-	300	-	-	FCU-401	-	
NIT 402 (TYF	PE - B2)		-	,			-		1		-				
001	BEDROOM 1	LIVING	152	12.16	6.08	36	13.5	-	-	200	-	-	FCU-402	-	
002	BEDROOM 2 BATH-1	LIVING TOILET ROOM	180 82	14.4	7.2	36	13.5	-	123	200 50	-	75	FCU-402 FCU-402	- EF-3	
004	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	72 368	29.44	14.72	36	37.5	-	108	50 300		75 -	FCU-402 FCU-402	EF-4	
NIT 403 (TYF						T		1							
001	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	135	200 50	-	75	FCU-403 FCU-403	- EF-5	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-403	-	
NIT 404 (TYF	PE - A1)			<u> </u>					<u>I</u>	1					
001	BEDROOM	LIVING	168	13.44	6.72	36	13.5	_	_	200	-		FCU-404	-	
002	BATH KITCHEN + LIVING	TOILET ROOM	90	-	-	-	-	-	135	50	-	75	FCU-404	EF-6	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300 600	-		FCU-404	-	
NIT 405 (TYF	PE - S1)														
001	BEDROOM	LIVING	110	8.8	4.4	-	-	-	-	200	-	-	FCU-405		BORROWED LIGHT & V
002	BATH KITCHEN + LIVING	TOILET ROOM LIVING	75 300	24	12	- 54	20.25	-	113	50 300	-	75 -	FCU-405 FCU-405	EF-7	
INIT 406 (TYF	PE - A1)														
001 002	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	135	200 50	-	- 75	FCU-406 FCU-406	- EF-8	
002	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-406	- -	
IND# 45=	NE 440														
JNIT 407 (TYF					2 = -			T	T	- ·					
001	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	- 135	200 50	-	- 75	FCU-407 FCU-407	- EF-9	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-407	-	
INIT 408 (TYF	PE - B2)		I	<u> </u>					I.	1					
001	BEDROOM 1	LIVING	152	12.16	6.08	36	13.5	-	-	200	-	-	FCU-408	-	
002	BEDROOM 2 BATH-1	LIVING TOILET ROOM	180 82	14.4	7.2	36	13.5	-	123	200 50		- 75	FCU-408 FCU-408	- EF-10	
004	BATH-2	TOILET ROOM	72	-	-	-	-	-	108	50	-	75	FCU-408	EF11	
005	KITCHEN + LIVING	LIVING	368	29.44	14.72	36	37.5	-	-	300	-	-	FCU-408	-	
JNIT 409 (TYF	PE - B1)														
001 002	BEDROOM 1 BEDROOM 2	LIVING LIVING	145 165	11.6 13.2	5.8 6.6	36 36	13.5 13.5	-	-	200 200		-	FCU-409 FCU-409	-	
003	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	60	-	-	-	-	-	90 108	50	-	75	FCU-409 FCU-409	EF-12 EF-13	
004	KITCHEN + LIVING	LIVING	72 440	35.2	17.6	90	33.75	-	-	50 300	-	75 -	FCU-409	- -	
JNIT 410 (TYF	DE C4)														
001	BEDROOM 1	LIVING	117	9.36	4.68	36	13.5	_	_	200	_	_	FCU-410	-	
002 003	BEDROOM 2 BEDROOM 3	LIVING LIVING	127 155	10.16 12.4	5.08 6.2	36 18	13.5 6.75	-	-	200 200	-	-	FCU-410 FCU-410		
004	BATH-1	TOILET ROOM	92	-	-	-	-	-	138	50	-	75	FCU-410	EF-14	
005	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	62 538	43.04	21.52	72	27	-	93	50 300	-	75 -	FCU-410 FCU-410	EF-15	
INIT 411 (TYF		10/010	145	11.0			40.5	T	T	200					
001	BEDROOM 1 BEDROOM 2	LIVING LIVING	145 165	11.6 13.2	5.8 6.6	36 36	13.5 13.5	-	-	200	-	-	FCU-411 FCU-411	-	
003 004	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	60 72	-	-	-	-	-	90	50 50	-	75 75	FCU-411 FCU-411	EF-16 EF-17	
005	KITCHEN + LIVING	LIVING	440	35.2	17.6	36	37.5	-	-	300	-	-	FCU-411	-	
NIT 412 (TYF	PE - A1)	1		1				1	1	1		1		1	
001	BEDROOM	LIVING	168	13.44	6.72	36	13.5	-	-	200	-	-	FCU-412		
002 003	BATH KITCHEN + LIVING	TOILET ROOM LIVING	90 355	28.4	14.2	- 36	37.5	-	135	50 300	-	75 -	FCU-412 FCU-412	EF-18	
	J LIVINO	2171110	550		17.2	55	07.0			330			. 30 712		
INIT 413 (TYF			ı					T		T					
001 002	BEDROOM 1 BEDROOM 2	LIVING LIVING	145 165	11.6 13.2	5.8 6.6	36 36	13.5 13.5	-	-	200 200	-	-	FCU-413 FCU-413	-	
003 004	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	60	-	-	-	-	-	90	50 50	-	75 75	FCU-413 FCU-413	EF-19 EF-20	
004	KITCHEN + LIVING	LIVING	440	35.2	17.6	36	37.5	-	-	300	-	-	FCU-413 FCU-413	- EF-20	
INIT 444															
JNIT <b>414 (TYF</b>	BEDROOM	LIVING	168	13.44	6.72	36	13.5	_		200		_	FCU-414	-	
002	BATH	TOILET ROOM	90	-	-	-	-	-	135	50	-	75	FCU-414	EF-21	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-414	-	
INIT 415 (TYF	PE - B2)														
001	BEDROOM 1 BEDROOM 2	LIVING	145	11.6	5.8	36	13.5	-	-	200	-	-	FCU-415	-	
002	BATH-1	LIVING TOILET ROOM	165 60	13.2	6.6	36	13.5	-	90	200 50	-	75	FCU-415 FCU-415	- EF-22	
004 005	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	72 440	35.2	17.6	- 36	37.5	-	108	50 300	-	75 -	FCU-415 FCU-415	EF-23	
	···-		-				_						<del>-</del>		
JNIT 416 (TYF								T	T						
001 002	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	- 135	200 50	-	- 75	FCU-416 FCU-416	- EF-24	
002	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-416	-	
003	PE - C1)								<u> </u>						
	ij	LIVINO		0.00	4.68	36	40.5	T		000			FOUL 447		
INIT 417 (TYF	BEDROOM 1	1 11/11/11 =	117	9 Kh	· · · ·	.35	1.5 5	_	-	7000	-	-	F( .11=4117	-	
001 002	BEDROOM 1 BEDROOM 2	LIVING	117 127	9.36	5.08	36	13.5 13.5	-	-	200	-	-	FCU-417 FCU-417	-	
<b>JNIT 417 (TYF</b>															
JNIT 417 (TYF 001 002 003	BEDROOM 2 BEDROOM 3	LIVING LIVING	127 155	10.16 12.4	5.08 6.2	36 18	13.5 6.75	-	-	200 200	-	-	FCU-417 FCU-417	-	

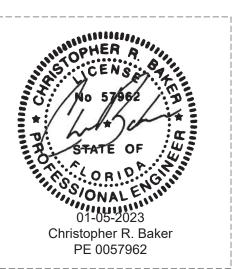
ROOM#	ROOM NAME	OCCUPANCY TYPE	Az	NA CODE RE	ATURAL LIGI		TUAL	_	E REQUIRED		. MINIMUM PI			IT SERVING	
	ROOM NAME	OCCUPANCY TIPE	(SQ.FT.)	GLASS SF				O.A.I. CFM	EXHAUST CFM	SUPPLY CFM	O.A.I. CFM	EXHAUST/ RETURN CFM	SUPPLY FAN	EXHAUST FAN	Remarks
JNIT 301 (TYPE	E - B1)														
001 002	BEDROOM 1 BEDROOM 2	LIVING LIVING	145 165	11.6 13.2	5.8 6.6	36 36	13.5 13.5	-	-	200 200	-	-	FCU-301 FCU-301	-	
003	BATH-1	TOILET ROOM	60	-	-	-	-	-	70	50	-	75	FCU-301	EF-1	
004	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	72 440	35.2	17.6	90	33.75	-	70	50 300	-	75 -	FCU-301 FCU-301	EF-2 -	
JNIT 302 (TYPE															
001	BEDROOM 1 BEDROOM 2	LIVING LIVING	152 180	12.16 14.4	6.08 7.2	36 36	13.5 13.5	-	-	200	-	-	FCU-302 FCU-302	-	
003	BATH-1	TOILET ROOM	82	-	-	-	-	-	123	50	-	75	FCU-302	EF-3	
004	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	72 368	29.44	14.72	36	37.5	-	108	300	-	75 -	FCU-302 FCU-302	EF-4 -	
JNIT 303 (TYPE															
001	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	135	200 50	-	- 75	FCU-303	- EF-5	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-303	-	
JNIT 304 (TYPE									1						
001	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	135	200 50	-	75	FCU-304	- EF-6	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-		FCU-304	-	
										600					
JNIT 305 (TYPE	≣ - S1)														
001 002	BEDROOM BATH	LIVING TOILET ROOM	110 75	8.8	4.4	-	-	-	- 113	200 50	-	- 75	FCU-305 FCU-305	EF-7	BORROWED LIGHT & VENT
003	KITCHEN + LIVING	LIVING	300	24	12	54	20.25	-	-	300	-	-	FCU-305	L1 -1	
UNIT 306 (TYPE	E - A1)														
001	BEDROOM BATH	LIVING TOILET ROOM	168	13.44	6.72	36	13.5	-	- 135	200	-	- 75	FCU-306 FCU-306	- EF-8	
002	BATH KITCHEN + LIVING	TOILET ROOM LIVING	90 355	28.4	14.2	36	37.5	-	135	50 300	-	75 -	FCU-306 FCU-306	EF-8 -	
JNIT 307 (TYPE	≣ - A1)														
001	BEDROOM BATH	LIVING TOILET ROOM	168	13.44	6.72	36	13.5	-	- 135	200	-	- 75	FCU-307	- EE 0	
002	KITCHEN + LIVING	LIVING	90 355	28.4	14.2	36	37.5	-	135	50 300	-	75 -	FCU-307 FCU-307	EF-9 -	
JNIT 308 (TYPE	E - B2)														
001 002	BEDROOM 1 BEDROOM 2	LIVING LIVING	152 180	12.16 14.4	6.08 7.2	36 36	13.5 13.5	-	-	200	-	-	FCU-308 FCU-308	-	
003	BATH-1	TOILET ROOM	82	-	-	-	-	-	123	50	-	75	FCU-308	EF-10	
004	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	72 368	29.44	14.72	36	37.5	-	108	50 300	-	75	FCU-308 FCU-308	EF11	
	TOTAL TENTION	Elviito		20.77	11.72		07.0			000			1 00 000		
JNIT 309 (TYPE	E - B1)														
001 002	BEDROOM 1 BEDROOM 2	LIVING LIVING	145 165	11.6 13.2	5.8 6.6	36 36	13.5 13.5	-	-	200 200	-	-	FCU-309 FCU-309	-	
003	BATH-1	TOILET ROOM	60	-	-	-	-	-	90	50	-	75	FCU-309	- EF-12	
004 005	BATH-2 KITCHEN + LIVING	TOILET ROOM LIVING	72 440	35.2	17.6	90	33.75	-	108	50 300	-	75	FCU-309	EF-13	
							33.13								
UNIT 310 (TYPE	≣ - C1)														
001 002	BEDROOM 1 BEDROOM 2	LIVING LIVING	117 127	9.36 10.16	4.68 5.08	36 36	13.5 13.5	-	-	200	-	-	FCU-310 FCU-310	-	
003	BEDROOM 3	LIVING	155	12.4	6.2	18	6.75	-	-	200	-	-	FCU-310	-	
004	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	92 62	-	-	-	-	-	138 93	50 50	-	75 75	FCU-310 FCU-310	EF-14 EF-15	
006	KITCHEN + LIVING	LIVING	538	43.04	21.52	72	27	-	-	300	-	-	FCU-310	-	
INIT 244 (TVDE	- Pa\														
JNIT 311 (TYPE	BEDROOM 1	LIVING	145	11.6	5.8	36	13.5			200			FCU-311		T
001 002	BEDROOM 2	LIVING	165	13.2	6.6	36	13.5	-	-	200	-	-	FCU-311	-	
003 004	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	60 72	-	-	-	-	-	90	50 50	-	75 75	FCU-311 FCU-311	EF-16 EF-17	
005	KITCHEN + LIVING	LIVING	440	35.2	17.6	36	37.5	-	-	300	-	-	FCU-311	-	
JNIT 312 (TYPE		1.0/010	100	10.11	0.70		10.5		T	000			F011 040	I	T
001 002	BEDROOM BATH	LIVING TOILET ROOM	168 90	13.44	6.72	36	13.5	-	135	200 50	-	75	FCU-312 FCU-312	EF-18	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-312		
JNIT 313 (TYPE	E - B2)														1
001	BEDROOM 1	LIVING	145	11.6	5.8	36	13.5	-	-	200	-	-	FCU-313	-	
002	BEDROOM 2	LIVING	165	13.2	6.6	36	13.5	-	-	200	-	-	FCU-313	-	
003 004	BATH-1 BATH-2	TOILET ROOM TOILET ROOM	60 72	-	-	-	-	-	90	50 50	-	75 75	FCU-313 FCU-313	EF-19 EF-20	
005	KITCHEN + LIVING	LIVING	440	35.2	17.6	36	37.5	-	-	300	-	-	FCU-313	-	
JNIT 314 (TYPE	= A4)														
001	BEDROOM	LIVING	168	13.44	6.72	36	13.5	_	_	200	-	-	FCU-314	_	T
002	BATH	TOILET ROOM	90	-	-	-	-	-	135	50	-	75	FCU-314	EF-21	
003	KITCHEN + LIVING	LIVING	355	28.4	14.2	36	37.5	-	-	300	-	-	FCU-314	-	
	E - B2)		ı		1			<u> </u>						1	1
INIT 315 (TYPE	BEDROOM 1	LIVING	145	11.6	5.8	36	13.5	-	-	200	-	-	FCU-315	-	
<b>O</b> 001	BEDROOM 2	LIVING	165	13.2	6.6	36	13.5	-	- 90	200	-	- 75	FCU-315	- FF-22	
001 002	110 111 -	TOILET ROOM TOILET ROOM	60 72	-	-	-	-	-	90	50 50	-	75 75	FCU-315 FCU-315	EF-22 EF-23	
001	BATH-1 BATH-2	<u> </u>	440	35.2	17.6	36	37.5	-	-	300	-	-	FCU-315	-	
001 002 003		LIVING	'				Ì							<u> </u>	1
001 002 003 004 005	BATH-2 KITCHEN + LIVING	LIVING													
001 002 003 004 005 JNIT 316 (TYPE	BATH-2 KITCHEN + LIVING E - A1)		460	40.44	6.70	20	10.5			200	I		ECH 240		T
001 002 003 004 005	BATH-2 KITCHEN + LIVING	LIVING  LIVING  TOILET ROOM	168	13.44	6.72	36	13.5	-	- 135	200 50	-	- 75	FCU-316 FCU-316	- EF-24	
001 002 003 004 005 JNIT 316 (TYPE	BATH-2 KITCHEN + LIVING  E - A1)  BEDROOM	LIVING													
001 002 003 004 005 UNIT 316 (TYPE 001 002 003	BATH-2 KITCHEN + LIVING  E - A1)  BEDROOM BATH KITCHEN + LIVING	LIVING TOILET ROOM	90	-	-	-	-	-	135	50	-	75	FCU-316	EF-24	
002 003 004 005 JNIT 316 (TYPE 001 002 003 JNIT 317 (TYPE	BATH-2 KITCHEN + LIVING  E - A1)  BEDROOM BATH KITCHEN + LIVING  E - C1)	LIVING TOILET ROOM LIVING	90	- 28.4	14.2	36	37.5	-	135	50 300	-	75	FCU-316 FCU-316	EF-24 -	
001 002 003 004 005 JNIT 316 (TYPE 001 002 003	BATH-2 KITCHEN + LIVING  E - A1)  BEDROOM BATH KITCHEN + LIVING	LIVING TOILET ROOM	90	-	-	-	-	-	135	50	-	75	FCU-316	EF-24	
001 002 003 004 005 JNIT 316 (TYPE 001 002 003 JNIT 317 (TYPE 001 002 003	BATH-2 KITCHEN + LIVING  E - A1)  BEDROOM BATH KITCHEN + LIVING  E - C1)  BEDROOM 1 BEDROOM 2 BEDROOM 3	LIVING TOILET ROOM LIVING  LIVING  LIVING LIVING LIVING	90 355 117 127 155	9.36 10.16 12.4	4.68 5.08 6.2	- 36 36 36 36 18	13.5 13.5 6.75		- - -	50 300 200 200 200	- - - -	75 - - - -	FCU-316 FCU-317 FCU-317 FCU-317	EF-24 - - - -	
001 002 003 004 005 UNIT 316 (TYPE) 001 002 003 UNIT 317 (TYPE) 001 002 003 004 005	BATH-2 KITCHEN + LIVING  E - A1)  BEDROOM BATH KITCHEN + LIVING  E - C1)  BEDROOM 1 BEDROOM 2 BEDROOM 3 BATH-1 BATH-2	LIVING TOILET ROOM LIVING  LIVING LIVING LIVING TOILET ROOM TOILET ROOM	90 355 117 127 155 92 62	9.36 10.16 12.4	4.68 5.08 6.2	36 36 36 18 -	13.5 13.5 6.75	-	- -	50 300 200 200 200 50 50	-	75 - - -	FCU-316 FCU-316 FCU-317 FCU-317 FCU-317 FCU-317	EF-24 -	
001 002 003 004 005 INIT 316 (TYPE 001 002 003 INIT 317 (TYPE 001 002 003 004	BATH-2 KITCHEN + LIVING  E - A1)  BEDROOM BATH KITCHEN + LIVING  E - C1)  BEDROOM 1 BEDROOM 2 BEDROOM 3 BATH-1	LIVING TOILET ROOM LIVING  LIVING LIVING LIVING LIVING TOILET ROOM	90 355 117 127 155 92	9.36 10.16 12.4	- 14.2 4.68 5.08 6.2	36 36 36 38 18	13.5 13.5 6.75	- - - - -	- - - 138	50 300 200 200 200 50	- - - - -	75 - - - - 75	FCU-316 FCU-316 FCU-317 FCU-317 FCU-317	EF-24 - - - - - EF-25	





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## NOT FOR CONSTRUCTION

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SR-82

A 7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

PROJECT NO:

220035.00

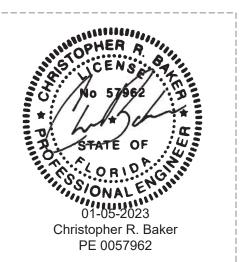
MECHANICAL SCHEDULES

RM4.01

				CENEDAL			CO	NDEN	ISINO	G UNIT S			FAN				coounc			F1 F07	PICAL		
				GENERAL		DIMENS	IONS (INCH	HFS)				CONDENSER	FAN				COOLING			ELEC	RICAL		NOTES
EQUIPMENT TAG	LOCATION	UNIT SERVED	MANUFACTURER	MODEL	WEIGHT (LBS.)	LENGTH	HEIGHT	WIDTH	TONS	REFRIGERANT TYPE	QUANTITY	CFM	MOTOR	RPM	TOTAL (MBH)	EAT (° F)	LAT (° REFRIG F) WEIGH		MCA	МОСР	PHASE	VOLTS	NOTES
CU-101	GROUND	UNIT-101	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-102	GROUND	UNIT-102	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-103	GROUND	UNIT-103	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-104	GROUND	UNIT-104	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-105	GROUND	UNIT-105	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-106	GROUND	UNIT-106	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-107	GROUND	UNIT-107	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.		11.4	20	1	208	1 THRU 6
CU-108	GROUND	UNIT-108	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.		12.2	20	1	208	1 THRU 6
CU-109 CU-110	GROUND	UNIT-109 UNIT-110	CARRIER	GA5SAN42400W GA5SAN43000W	136	26 31	36 35	31	2.0	PURON	1	1000	0.10	1100	30.00	80	60 6. 60 6.		15.2	20	1	208	1 THRU 6 
CU-111	GROUND	UNIT-111	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.		12.2	20	1	208	1 THRU 6
CU-112	GROUND	UNIT-112	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.		11.4	20	1	208	1 THRU 6
CU-113	GROUND	UNIT-113	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-114	GROUND	UNIT-114	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-115	GROUND	UNIT-115	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-116	GROUND	UNIT-116	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-117	GROUND	UNIT-117	CARRIER	GA5SAN43000W	161	31	35	31	2.5	PURON	1	1000	0.10	1100	30.00	80	60 6.	.0	15.2	25	1	208	1 THRU 6
CU-120	GROUND	UNIT-120	CARRIER	GA5SAN43000W	161	31	35	31	2.5	PURON	1	1000	0.10	1100	30.00	80	60 6.	.0	15.2	25	1	208	1 THRU 6
CU-201	GROUND	UNIT-201	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.		12.2	20	1	208	1 THRU 6
CU-202	GROUND	UNIT-202	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.		12.2	20	1	208	1 THRU 6
CU-203	GROUND	UNIT-203 UNIT-204	CARRIER	GA5SAN41800W GA5SAN41800W	125	26 26	29 29	26	1.5	PURON PURON	1	600	0.08	1100	18.00	80	60 4. 60 4.		11.4	20	1	208	1 THRU 6 1 THRU 6
CU-204	GROUND	UNIT-204 UNIT-205	CARRIER	GA5SAN41800W GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.		11.4	20	1	208	1 THRU 6
CU-206	GROUND	UNIT-206	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.		11.4	20	1	208	1 THRU 6
CU-207	GROUND	UNIT-207	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-208	GROUND	UNIT-208	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-209	GROUND	UNIT-209	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-210	GROUND	UNIT-210	CARRIER	GA5SAN43000W	125	31	35	31	2.5	PURON	1	1000	0.10	1100	30.00	80	60 6.	.0	15.2	25	1	208	1 THRU 6
CU-211	GROUND	UNIT-211	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-212	GROUND	UNIT-212	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-213	GROUND	UNIT-213	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-214	GROUND	UNIT-214	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.		11.4	20	1	208	1 THRU 6
CU-215 CU-216	GROUND	UNIT-215 UNIT-216	CARRIER	GA5SAN42400W GA5SAN41800W	136 ————————————————————————————————————	26 26	36 29	26	2.0	PURON PURON	1	800	0.10	1100	24.00 18.00	80	60 6. 60 4.		12.2	20	1	208	1 THRU 6
CU-217	GROUND	UNIT-217	CARRIER	GA5SAN43000W	161	31	35	31	2.5	PURON	1	1000	0.10	1100	30.00	80	60 6.		15.2	25	1	208	1 THRU 6
CU-220	GROUND	UNIT-220	CARRIER	GA5SAN43000W	161	31	35	31	2.5	PURON	1	1000	0.10	1100	30.00	80	60 6.	.0	15.2	25	1	208	1 THRU 6
CU-301	GROUND	UNIT-301	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-302	GROUND	UNIT-302	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-303	GROUND	UNIT-303	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-304	GROUND	UNIT-304	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-305	GROUND	UNIT-305	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-306	GROUND	UNIT-306	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.		11.4	20	1	208	1 THRU 6
CU-307	GROUND	UNIT-307	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.		11.4	20	1	208	1 THRU 6
CU-308 CU-309	GROUND	UNIT-308 UNIT-309	CARRIER  CARRIER	GA5SAN42400W GA5SAN42400W	136	26 26	36 36	26	2.0	PURON PURON	1	800	0.10	1100	24.00	80	60 6. 60 6.		12.2	20	1	208	1 THRU 6 1 THRU 6
CU-310	GROUND	UNIT-310	CARRIER	GA5SAN43000W	125	31	35	31	2.5	PURON	1	1000	0.10	1100	30.00	80	60 6.		15.2	25	1	208	1 THRU 6
CU-311	GROUND	UNIT-311	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.		12.2	20	1	208	1 THRU 6
CU-312	GROUND	UNIT-312	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-313	GROUND	UNIT-313	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	.0	12.2	20	1	208	1 THRU 6
CU-314	GROUND	UNIT-314	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	.6	11.4	20	1	208	1 THRU 6
CU-315	GROUND	UNIT-315	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.	0	12.2	20	1	208	1 THRU 6
CU-316	GROUND	UNIT-316	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	6	11.4	20	1	208	1 THRU 6
CU-317	GROUND	UNIT-317	CARRIER	GA5SAN43000W	161	31	35	31	2.5	PURON	1	1000	0.10	1100	30.00	80	60 6.		15.2	25	1	208	1 THRU 6
CU-320	GROUND	UNIT-320	CARRIER	GA5SAN43000W	161	31	35	31	2.5	PURON	1	1000	0.10	1100	30.00	80	60 6.		15.2	25	1	208	1 THRU 6
CU-401 CU-402	GROUND GROUND	UNIT-401	CARRIER CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60 6.		12.2	20	1	208	1 THRU 6
CU-402 CU-403	GROUND	UNIT-402 UNIT-403	CARRIER  CARRIER	GA5SAN42400W GA5SAN41800W	136	26 26	36 29	26	2.0	PURON PURON	1	800	0.10	1100	24.00 18.00	80	60 6. 60 4.		12.2	20	1	208	1 THRU 6 1 THRU 6
CU-403	GROUND	UNIT-404	CARRIER	GA5SAN41800W GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.		11.4	20	1	208	1 THRU 6
CU-405	GROUND	UNIT-405	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.		11.4	20	1	208	1 THRU 6
CU-406	GROUND	UNIT-406	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	6	11.4	20	1	208	1 THRU 6
CU-407	GROUND	UNIT-407	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60 4.	6	11.4	20	1	208	1 THRU 6
l l			CARRIER	CAECANIAZAOONA	136	26	36	26	2.0	DUDON			0.10	1100	24.00	80	60 6.	0	12.2	20	1	208	1 THRU 6
CU-408	GROUND	UNIT-408	CARRIER	GA5SAN42400W	150		30	20	2.0	PURON	1	800	0.10	1100	24.00				12.2	20		200	
CU-408 CU-409	GROUND	UNIT-409	CARRIER	GA5SAN42400W GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10		24.00		60 6.		12.2	20	1	208	1 THRU 6



ORLANDO 189 S. ORANGE AVE., SUITE 1700 ORLANDO, FLORIDA 32801 407 926 3000 INFO@BAKERBARRIOS.COM BAKERBARRIOS.COM AA0002981 | LC26000427



## **NOT FOR** CONSTRUCTION

△ DATE SUBMISSION

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KNOV SPECI	VLEDGE AND ABILITY	VITH THE APPLICABLE



MILHAUS

SR-82

7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

220035.00

MECHANICAL SCHEDULES

SHEET NUMBER: RM4.02

This set has been digitally signed and sealed by Chris R. Baker, PE on January 5, 2023 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

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	CONDENSING UNIT SCHEDULE																							
				GENERAL								CONDENSER	R FAN				COOLI	NG		ELEC	TRICAL			
QUIPMENT TAG LOCATION			140051	WEIGHT	DIMENS	SIONS (INCH	ES)		REFRIGERANT					TOTAL	EAT (°	LAT (°	REFRIGERANT					NOTES		
QUIPMENT TAG	LOCATION	UNIT SERVED	MANUFACTURER	MODEL	(LBS.)	LENGTH	HEIGHT	WIDTH	TONS	TYPE	QUANTITY	CFM	MOTOR	RPM	(MBH)	F)	F)	WEIGHT (LBS.)	MCA	МОСР	PHASE	VOLTS		
CU-411	GROUND	UNIT-411	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60	6.0	12.2	20	1	208	1 THRU 6	
CU-412	GROUND	UNIT-412	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60	4.6	11.4	20	1	208	1 THRU 6	
CU-413	GROUND	UNIT-413	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60	6.0	12.2	20	1	208	1 THRU 6	
CU-414	GROUND	UNIT-414	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60	4.6	11.4	20	1	208	1 THRU 6	
CU-415	GROUND	UNIT-415	CARRIER	GA5SAN42400W	136	26	36	26	2.0	PURON	1	800	0.10	1100	24.00	80	60	6.0	12.2	20	1	208	1 THRU 6	
CU-416	GROUND	UNIT-416	CARRIER	GA5SAN41800W	125	26	29	26	1.5	PURON	1	600	0.08	1100	18.00	80	60	4.6	11.4	20	1	208	1 THRU 6	
CU-417	GROUND	UNIT-417	CARRIER	GA5SAN43000W	161	31	35	31	2.5	PURON	1	1000	0.10	1100	30.00	80	60	6.0	15.2	25	1	208	1 THRU 6	

GROUND

CU-420

1. ALL THE CLEARANCES PROVIDED TO BE AS PER MANUFACTURER'S RECOMMENDATION.

CARRIER

2. PROVIDE NEMA 3R DISCONNECT SWITCH

UNIT-420

3. PROVIDE WITH VIBRATION ISOLATORS, COMPRESSOR WRAP AND SOUND SHIELD

4. PROVIDE ADDITIONAL REFRIGERANT FOR LINE LENGTH COMPENSATION PER MFR RECOMMENDATIONS

5. PROVIDE HARD SHUT-OFF TXV AND HARD START KIT

6. PROVIDE CRANK CASE HEATERS AND COMPRESSOR START ASSIST CAPACITER AND RELAY

	EXHAUST FAN SCHEDULE																
	GENERAL								ı	FAN			ELEC	TRICAL			
EQUIPMENT	LOCATION	ADEA CEDVED	MANUFACTURE	MODEL	FAN TYPE	CONTEC	DAMPER SIZE	CENA	DDIV/5	ESP.	MOTOR	2464	MOCD	DUACE	VOLTS	CONTROLS	NOTES
TAG	LOCATION	AREA SERVED	R	MODEL	FAN TYPE	SONES	(IN.)	CFM	DRIVE	(INCHES)	HP RPM	MCA	МОСР	PHASE	VOLTS		
EF-1	WALL MOUNTED	SEE PLANS	BROAN	LP-80	LOW PROFILE WALL MOUNTED	0.8	4"ø	75	DIRECT	0.125	1/10 713.0	0.3	20	1	120	WALL MOUNTED SWITCH	1,3,2,4,6,11
EF-2	CEILING	SEE PLANS	GREENHECK	SP-LP0511	CENTRIFUGAL FORWARD	1.4	6"ø	75	DIRECT	0.50	1/10 831	0.43	20	1	115	WALL MOUNTED SWITCH	1,3,2,4,6,11

1. SINGLE POINT WIRING CONNECTION 2. EXHAUST TERMINATION SHALL BE AT LEAST 15'-0" FROM ANY O.A.I. OPENING

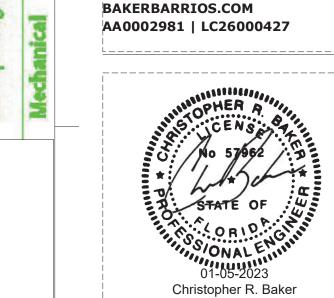
GA5SAN43000W

3. PROVIDE GRAVITY BACKDRAFT DAMPER 4. PROVIDE UNIT MOUNTED NEMA1 DISCONNECT

5. PROVIDE ROOF CURB 6. PROVIDE SPARE BELT SET 7. PROVIDE VIBRATION ISOLATORS 8. PROVIDE INLET, OUTLET AND BELT GUARDS 9. PROVIDE INLET AND OUTLET FLEX DUCT CONNECTIONS 10. PROVIDE HINGED SUB BASE 11. PROVIDE FAN MOUNTED SPEED CONTROL 12. PROVIDE BELT TENSION ROTARY

STRAIGHT ELECTRIC SPLIT SYSTEMS HEATING GENERAL ELECTRICAL MIN. ELECTRICAL STRIP HEAT NOTES DIMENSIONS (INCHES) **UNIT WEIGHT** MAXIMUM ESP. **EQUIPMENT** LOCATION | AREA SERVED | SYSTEM TYPE MODEL UNIT TYPE MCA | MOCP | PHASE | VOLTS CAPACITY CFM (INCHES) HP RPM (KW@208) 1,2,3,4, SEE PLANS RESIDENTIAL CARRIER FMA4X24 VERTICAL 36.5 | 15 | 20.5 | 800 | 0.50 | 1/3 | 1050 | 2.4 | 15 FCU-101 5.0 1,2,3,4, SEE PLANS RESIDENTIAL CARRIER FMA4X24 VERTICAL 15 20.5 800 0.50 1/3 1050 5.0 FCU-102 VOLUME CONSTANT 1,2,3,4, RESIDENTIAL CARRIER FMA4X18 1/3 1050 2.4 FCU-103 SEE PLANS VERTICAL 36.5 15 20.5 600 0.50 3.8 VOLUME CONSTANT 1,2,3,4, FMA4X18 1/3 | 1050 | 2.4 FCU-104 SEE PLANS RESIDENTIAL CARRIER VERTICAL 15 20.5 600 0.50 208 14.3 3.8 VOLUME CONSTANT 1,2,3,4, SEE PLANS RESIDENTIAL CARRIER FMA4X18 VERTICAL 36.5 600 | 0.50 | 1/3 | 1050 | 2.4 208 14.3 FCU-105 3.8 1,2,3,4, 15 20.5 FCU-106 SEE PLANS RESIDENTIAL CARRIER FMA4X18 VERTICAL 600 0.50 1/3 | 1050 | 2.4 208 3.8 VOLUME CONSTANT 1,2,3,4, FCU-107 SEE PLANS RESIDENTIAL CARRIER FMA4X18 VERTICAL 101 36.5 15 20.5 600 0.50 1/3 1050 2.4 208 14.3 3.8 VOLUME CONSTANT 1,2,3,4, FCU-108 SEE PLANS RESIDENTIAL CARRIER FMA4X24 VERTICAL 5.0 VOLUME CONSTANT 1,2,3,4, 15 | 20.5 | 800 | 0.50 | 1/3 | 1050 | 2.4 FCU-109 RESIDENTIAL CARRIER FMA4X24 VERTICAL 208 5.0 VOLUME CONSTANT 1,2,3,4, FMA4X30 VERTICAL 19 22.0 1000 | 0.50 | 1/2 | 1050 | 3.4 FCU-110 SEE PLANS RESIDENTIAL 6.3 CONSTANT 1,2,3,4, RESIDENTIAL CARRIER FMA4X24 101 15 20.5 800 0.50 FCU-111 SEE PLANS VERTICAL 36.5 1/3 | 1050 | 5.0 VOLUME CONSTANT 1,2,3,4, FCU-112 SEE PLANS RESIDENTIAL CARRIER FMA4X18 VERTICAL 15 20.5 600 0.50 1/3 1050 2.4 3.8 **CONSTANT** 1,2,3,4, FCU-113 SEE PLANS RESIDENTIAL CARRIER FMA4X24 VERTICAL 5.0 VOLUME CONSTANT 1,2,3,4, SEE PLANS RESIDENTIAL CARRIER FMA4X18 VERTICAL 600 | 0.50 | 1/3 | 1050 | 2.4 3.8 CONSTANT 1,2,3,4, RESIDENTIAL FMA4X24 VERTICAL 0.50 1/3 | 1050 | 5.0 FCU-115 SEE PLANS CARRIER VOLUME CONSTANT 1,2,3,4, CARRIER FMA4X18 SEE PLANS RESIDENTIAL VERTICAL 0.50 1/3 | 1050 | 3.8 VOLUME CONSTANT 1,2,3,4, 19 22.0 SEE PLANS RESIDENTIAL CARRIER FMA4X30 VERTICAL 0.50 1/2 1050 FCU-117 6.3 VOLUME CONSTANT 1,2,3,4, SEE PLANS RESIDENTIAL CARRIER FMA4X30 VERTICAL 19 | 22.0 | 1000 | 0.50 | 1/2 | 1050 | 3.4 FCU-120 39.5 208 6.3 CONSTANT FMA4X24 FCU-201 SEE PLANS RESIDENTIAL CARRIER VERTICAL 15 20.5 0.50 5.0 VOLUME CONSTANT 1,2,3,4, FCU-202 SEE PLANS RESIDENTIAL CARRIER FMA4X24 VERTICAL 36.5 15 | 20.5 | 800 | 0.50 | 1/3 | 1050 | 2.4 208 14.3 5.0 VOLUME CONSTANT SEE PLANS RESIDENTIAL CARRIER FMA4X18 VERTICAL 15 20.5 14.3 FCU-203 0.50 1/3 | 1050 | 3.8 VOLUME CONSTANT 1,2,3,4, SEE PLANS RESIDENTIAL CARRIER FMA4X18 VERTICAL 600 | 0.50 | 1/3 | 1050 | 2.4 208 14.3 FCU-204 3.8 1,2,3,4, 600 0.50 1/3 1050 2.4 SEE PLANS RESIDENTIAL CARRIER FMA4X18 VERTICAL 36.5 15 20.5 208 3.8 FCU-205 CONSTANT 1 36.5 г 1,2,3,4, FCU-206 SEE PLANS RESIDENTIAL CARRIER FMA4X18 VERTICAL 15 20.5 600 0.50 1/3 1050 208 14.3 3.8 VOLUME 1,2,3,4, RESIDENTIAL CARRIER FMA4X18 VERTICAL 3.8 VOLUME CONSTANT 1,2,3,4, FCU-208 RESIDENTIAL CARRIER FMA4X24 VERTICAL 15 20.5 800 | 0.50 | 1/3 | 1050 | 2.4 208 5.0 VOLUME CONSTANT 1,2,3,4, SEE PLANS RESIDENTIAL FMA4X24 36.5 15 20.5 800 | 0.50 | 1/3 | 1050 | 2.4 208 5.0 FCU-209 VERTICAL VOLUME CONSTANT 1,2,3,4, 19 22.0 FMA4X30 39.5 1000 0.50 1/2 | 1050 | 3.4 208 6.3 FCU-210 SEE PLANS RESIDENTIAL VERTICAL VOLUME CONSTANT 15 | 20.5 | 800 | 0.50 | 1/3 | 1050 | 2.4 | 15 1,2,3,4, FCU-211 FMA4X24 5.0 SEE PLANS RESIDENTIAL CARRIER CONSTANT 15 | 20.5 | 600 | 0.50 | 1/3 | 1050 | 2.4 1,2,3,4, SEE PLANS RESIDENTIAL FMA4X18 3.8 VOLUME **CONSTANT** 36.5 | 15 | 20.5 | 800 | 0.50 | 1/3 | 1050 | 2.4 | 15 1,2,3,4, SEE PLANS RESIDENTIAL CARRIER FMA4X24 VERTICAL 5.0 CONSTANT 1,2,3,4, 36.5 | 15 | 20.5 | 600 | 0.50 | 1/3 | 1050 | 2.4 SEE PLANS RESIDENTIAL CARRIER FMA4X18 3.8 VERTICAL VOLUME CONSTANT 1,2,3,4, SEE PLANS RESIDENTIAL CARRIER FMA4X24 36.5 | 15 | 20.5 | 800 | 0.50 | 1/3 | 1050 | 2.4 VERTICAL 5.0 VOLUME CONSTANT 1,2,3,4, 36.5 | 15 | 20.5 | 600 | 0.50 | 1/3 | 1050 | 2.4 FCU-216 SEE PLANS RESIDENTIAL CARRIER FMA4X18 VERTICAL 3.8 VOLUME CONSTANT 1,2,3,4, SEE PLANS RESIDENTIAL CARRIER FMA4X30 VERTICAL 39.5 | 19 | 22.0 | 1000 | 0.50 | 1/2 | 1050 | 3.4 | 15 FCU-217 6.3 CONSTANT 123 | 39.5 | 19 | 22.0 | 1000 | 0.50 | 1/2 | 1050 | 3.4 | 15 1,2,3,4, SEE PLANS RESIDENTIAL CARRIER VERTICAL 6.3 FMA4X30 VOLUME





### **NOT FOR** CONSTRUCTION

△ DATE SUBMISSION

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	INDICO OWNE ARCHI DEVEL SPECI ARRAI DISCL ANY P PERMI WARN OFFEN DISCL MISAF SEQ. / DESIG	ATEÓ OR REPRÉSENT DE BY AND THE PROPI TIECTS, INC. AND WE LOPED FOR USE ON A FIED PROJECT. NONE NGEMENTS OR PLANS OSED TO ANY PERSO URPOSE WHATSOEVE ISSION OF BAKER BA ISING: REPRODUCTION USE UNDER 18 U.S.C. OSURE MAY CONSTI PPROPRIATION IN VIC AND OTHER LAWS. TI SINS DISCLOSED HERI	ANGEMENTS AND PLANS TED BY THIS DRAWING ARE ERTY OF BAKER BARRIOS ERE CREATED, EVOLVED, AND IND IN CONNECTION WITH THE TOF THE IDEAS, DESIGNS, SHALL BE USED BY OR NN, FIRM, OR CORPORATION FOR THE WITHOUT THE WRITTEN RRIOS ARCHITECTS, INC. IN HEREOF IS A CRIMINAL SEC. 506 UNAUTHORIZED TOTE TRADE SECRET DIATION OF 1.C24-2-31-1 ET. HE IDEAS, ARRANGEMENTS AN EIN MAY BE PATENTED OR BE PATENT APPLICATION.
	KNOW SPECI	LEDGE AND ABILITY	WITH THE APPLICABLE



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7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

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**MECHANICAL SCHEDULES** 

RM4.03

	GRILLES, REGISTERS, & DIFFUSERS											
TAG	MANUFACTURER	MODEL	DESCRIPTION	NOTES	ACC.							
Α	A HART & COOLEY	682	2-WAY STAMPED FACE, 1/2" SPACED FINS	1-6	1,3							
В	B HART & COOLEY	683	3-WAY STAMPED FACE, 1/2" SPACED FINS	1-6	1,3							
С	C HART & COOLEY	RHD45	3/4 INCH HORIZONTAL BARS SPACED AT 45° ANGLE WITH MVD	1-6	2							
D	D HART & COOLEY	RH45	3/4 INCH HORIZONTAL BARS SPACED AT 45° ANGLE WITHOUT MVD	1-6	-							
Е	TITUS	350RL	3/4" BLADE SPACING, 35° DEFLECTION	1-6	-							
F	TITUS	50F	ALUMINUM EGGCRATE GRILLE 1/2"x1/2"x1/2"	1-6	-							
G	TITUS	TMSA	STEEL ADJUSTABLE 3-CONE DIFFUSER	1-6	2-5							
Н	TITUS	300RL	DOUBLE DEFLECTION GRILLE, 3/4 IN. BLADE SPACING	1-6	2,3							

1. REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF CEILING AND SUSPENSION SYSTEM. COLOR SELECTION BY

ARCHITECT DURING SUBMITTAL REVIEW. 2. DIFFUSERS SHALL HAVE A BAKED ENAMEL FINISH.

3. RUNOUTS TO GRDS SHALL BE THE SAME SIZE AS NECK UNLESS OTHERWISE NOTED. IF NECK IS RECTANGULAR AND RUNOUT IS ROUND OR VICE VERSA, PROVIDE TRANSITION.

4. NOISE CRITERIA (NC) SHALL NOT BE GREATER THAN 30 AT CFM INDICATED ON DRAWINGS. 5. MAXIMUM STATIC PRESSURE DROP THROUGH GRILLE SHALL NOT BE GREATER THAN 0.07" W.C. 6. BASIS OF DESIGN: AS NOTED. EQUALS BY NAILOR, US AIRE, PRICE, KRUEGER.

ACCESSORIES:

1. MVD SHALL BE OPPOSED BLADE AND ADJUSTABLE FROM INTEGRAL CONTROLLER MTD ON FACE.

2. MVD SHALL BE OPPOSED BLADE AND REQUIRE SCREWDRIVER ADJUSTMENT THRU FACE. 3. PROVIDE WITH MATCHING CRD WHEN INSTALLED IN RATED CEILING. SEE FLOOR PLANS FOR LOCATIONS AND CRD DETAILS.

4. PROVIDE PATTERN CONTROLLERS FOR ADJUSTMENT TO VERTICAL AND HORIZONTAL AIR DISCHARGE. 5. PROVIDE FACTORY INSTALLED INSULATION ON BACKSIDE OF DIFFUSER.

DUCT INSULATION SCHEDULE												
DUCT TYPE	DUCT LOCATION	INSULATION TYPE	NOTES									
SUPPLY	ATTIC OR TOP FLOOR/CEILING ASSEMBLY	DUCTWRAP, R-5.6	1,2									
RETURN	ATTIC OR TOP FLOOR/CEILING ASSEMBLY	DUCTWRAP, R-5.6	1,2									
SUPPLY	ABOVE CEILING, UNO	DUCTWRAP, R-4.2	1,2									
RETURN	ELSEWHERE, UNO	NONE										
OUTDOOR AIR	EVERYWHERE, UNO	DUCTWRAP, R-4.2	1,2,4									
APARTMENT DUCTWORK			1,2,3									
EXHAUST	ANYWHERE EXCEPT APARTMENTS	DUCTWRAP, R-4.2	1,2,4									
ANY	OUTDOORS	R-VALUE = 4.0/INCH, RIGID BOARD, 2" THICK, POLYSTYRENE, ALUMINUM										

1. DUCT INSULATION CHARACTERISTICS SHALL BE AS NOTED IN HVAC GENERAL NOTES. 2. INSULATION THICKNESS AND DENSITY CAN VARY. R VALUES MUST BE MET OR EXCEEDED. R-VALUES ARE INSTALLED VALUES (BASED ON

JACKET, SEE DETAIL 1/M0.05

INSTALLED THICKNESS). 3. APARTMENT TRUNK DUĆTWORK IS FIBERGLASS DUCTBOARD. DRYER AND TOILET EXHAUST ARE SHEET METAL. SEE HVAC GENERAL

NOTES FOR DUCT DESCRIPTIONS. 4. INSULATE PLENUMS ASSOCIATED WITH (OR BEHIND) WALL LOUVERS AND LINEAR SLOT DIFFUSERS 5. EXPOSED DUCT IS DUCT BELOW THE CEILING OR NOT COVERED UP BY A CEILING/DROPPED CEILING.

							STRAIC	GHT I	ELEC	CTRIC	C SPL	IT S	<b>YST</b>	EMS							
					GENERAL							FAN				ELECT	RICAL			HEATING	
EQUIPMENT TAG	LOCATION	AREA SERVED	SYSTEM TYPE	MANUFACTURE R	MODEL	UNIT TYPE	UNIT WEIGHT (LBS.)	DIME	NSIONS (IN	<u> </u>	MAXIMUM CFM	ESP. (INCHES)	MC HP	OTOR RPM	MCA	МОСР	PHASE	VOLTS	SEER	MIN. ELECTRICAL STRIP HEAT CAPACITY (KW@208)	NOTES
FCU-301	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-302	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-303	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-304	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-305	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-306	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-307	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-308	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-309	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-310	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X30	VERTICAL	123	39.5	19	22.0	1000	0.50	1/2	1050	3.4	15	1	208	14.3	6.3	1,2,3,4,
FCU-311	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-312	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-313	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-314	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-315	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-316	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-317	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X30	VERTICAL	123	39.5	19	22.0	1000	0.50	1/2	1050	3.4	15	1	208	14.3	6.3	1,2,3,4,
FCU-320	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X30	VERTICAL	123	39.5	19	22.0	1000	0.50	1/2	1050	3.4	15	1	208	14.3	6.3	1,2,3,4,
FCU-401	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-402	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-403	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-404	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-405	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-406	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-407	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-408	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-409	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-410	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X30	VERTICAL	123	39.5	19	22.0	1000	0.50	1/2	1050	3.4	15	1	208	14.3	6.3	1,2,3,4,
FCU-411	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-412	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-413	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-414	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-415	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X24	VERTICAL	101	36.5	15	20.5	800	0.50	1/3	1050	2.4	15	1	208	14.3	5.0	1,2,3,4,
FCU-416	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X18	VERTICAL	101	36.5	15	20.5	600	0.50	1/3	1050	2.4	15	1	208	14.3	3.8	1,2,3,4,
FCU-417	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X30	VERTICAL	123	39.5	19	22.0	1000	0.50	1/2	1050	3.4	15	1	208	14.3	6.3	1,2,3,4,
FCU-420	SEE PLANS	RESIDENTIAL	CONSTANT VOLUME	CARRIER	FMA4X30	VERTICAL	123	39.5	19	22.0	1000	0.50	1/2	1050	3.4	15	1	208	14.3	6.3	1,2,3,4,
	I	1	1	1				1		1		1		1	I	1	1		1		1

1. PROVIDE PROGRAMMABLE UNIT MOUNTED THERMOSTATS.

2. PROVIDE MANUFACTURER RECOMMENDED FILTER RACK AND ADDITIONAL SET OF AIR FILTERS

3. PROVIDE NECESSARY VIBRATION ISOLATION 4. PROVIDE SECONDARY STAINLESS STEEL DRAIN PAN

				DUC	TLESS SPLIT	Γ HEAT PUMP	SYSTI	EMS						
SYSTEM TAG	MANUFACTURER	INDOOR UNIT MODEL NUMBER	OUTDOOR UNIT MODEL NUMBER	NOMINAL TONNAGE	DESCRIPTION	AREA/UNIT SERVED	SUPPLY AIRFLOW (CFM)	TOTAL	SENSIBLE CAPACITY (MBH)	MIN. SEER	HEATINI MIN. INTEGRAL HEAT CAPACITY (MBH)	MIN. HSPF	NOTES	ACCESSORIES
IDU-04 / ODU-04	MITSUBISHI	PKA-A12HA	PUY-A12NHA4	1.0	WALL MOUNTED	FACP/RISER ROOMS	425	12.0	9.7	14	10.0	8.2	ALL	ALL

1. COOLING CAPACITIES BASED ON 95° F db AIR ENTERING OUTDOOR UNIT 2. COOLING CAPACITIES SCHEDULED IS AN AHRI RATED CAPACITY. UNIT SHALL BE AHRI RATED

3. LINE LENGTHS ARE MAX LENGTHS OF THE BASIS OF DESIGN. DISTANCES BETWEEN INDOOR & OUTDOOR UNITS WORKS WITH THESE LENGTHS. SHORTER LENGTHS ARE ALLOWED IF FIELD CONDITIONS ALLOW. SEE ACCESSORY NOTE 7.

4. BASIS OF DESIGN, AS NOTED. APPROVED EQUALS BY SANYO, CARRIER, LENNOX.

### ACCESSORIES:

2. ROUTE CONDENSATE AS SHOWN ON PLANS; PROVIDE INTEGRAL CONDENSATE PUMP. ENTIRE PUMP SHALL BE CONCEALED WITHIN UNIT, EXTERNAL RESERVIORS ARE NOT ACCEPTABLE.

3. CLEANABLE FILTERS. 4. WALL MOUNTED T'STAT IN LOCKING COVER. SEE SEQUENCE BELOW. LOCATE T'STAT, IF NOT SHOWN OTHERWISE, ON WALL IN ROOM THE UNIT SERVES. MOUNT SO THAT SUPPLY AIR DOES NOT BLOW ON T'STAT. 5. MOUNTING KIT FOR FAN COIL UNIT

6. COOLING OPERATION DOWN TO 20°F. PROVIDE ALL MANUFACTURER RECOMMENDED ACCESSORIES NECESSARY TO ACCOMODATE THE LOW AMBIENT COOLING.
7. REFRIGERANT LINES SHALL BE SIZED PER THE MANUFACTURER'S RECOMMENDATION. PROVIDE LONG LINE REFRIGERATION LINE SET WHERE REQUIRED BY MANUFACTURER, - LINES SHALL BE SIZED BY MANUFACTURER TO MAINTAIN SCHEDULED CAPACITY. SHOW MANUFACTURER'S RECOMMENDED LINE SET SIZE IN SUBMITTALS. MANUFACTURER SHALL DETERMINE IF LONG LINE APPLICATION KIT IS REQUIRED. PROVIDE DOCUMENTATION

IN SHOP DRAWINGS. PROVIDE ALL ACCESSORIES REQUIRED BY THE MANUFACTURER FOR LONG LINE APPLICATIONS. 8. PROVIDE UNIT WITH INVERTER (VARIABLE SPEED) COMPRESSOR AND VARIABLE SPEED SUPPLY (EVAPORATOR) FAN.

1. UNIT SHALL BE ENERGIZED BASED ON A CALL FOR HEATING, COOLING, OR DEHUMIDIFICATION (IF PROVIDED FOR THRU THERMOSTAT/CONTROLLER)

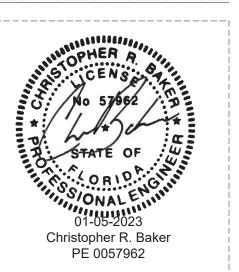
2. DO NOT ALLOW EVAPORATOR FAN TO OPERATE WITHOUT COMPRESSOR OPERATING. 3. INCOOLING MODE, DO NOT ALLOW COMPRESSOR TO MODULATE (VARY SPEED) UNLESS EVAPORATOR FAN MODULATES AT SAME PART LOAD SPEED. EVAPORATOR DISCHARGE AIR SHALL BE SAME TEMPERATURE REGARDLESS OF COMPRESSOR SPEED. EVAPORATOR TEMPERATURE SHALL NOT BE GREATER THAN 58°F WHEN OPERATING.

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## **NOT FOR CONSTRUCTION**

△ DATE SUBMISSION

INDIC OWNE ARCH: DEVEI SPECI ARRAI DISCL ANY P PERMI WARN OFFEN DISCL MISAF SEQ. A	ATED OR REPRÉSENT LO BY AND THE PROPE TIECTS, INC. AND WE LOPED FOR USE ON AIFIED PROJECT. NONE NOEMENTS OR PLANS OSED TO ANY PERSO URPOSE WHATSOEVE ISSION OF BAKER BAFIING: REPRODUCTION ISE UNDER 18 U.S.C. OSURE MAY CONSTIT PPROPRIATION IN VIO AND OTHER LAWS. THE SINS DISCLOSED HERE	ANGEMENTS AND PLANS ED BY THIS DRAWING ARE ERTY OF BAKER BARRIOS RE CREATED, EVOLVED, AND ND IN CONNECTION WITH THE OF THE IDEAS, DESIGNS, SHALL BE USED BY OR N, FIRM, OR CORPORATION FOR R WITHOUT THE WRITTEN RRIOS ARCHITECTS, INC. HEREOF IS A CRIMINAL SEC. 506 UNAUTHORIZED UTE TRADE SECRET LATION OF 1.C.24-2-31-1 ET. HE IDEAS, ARRANGEMENTS AND EIN MAY BE PATENTED OR BE PATENT APPLICATION.
KNOW SPECI	LEDGE AND ABILITY	VITH THE APPLICABLE



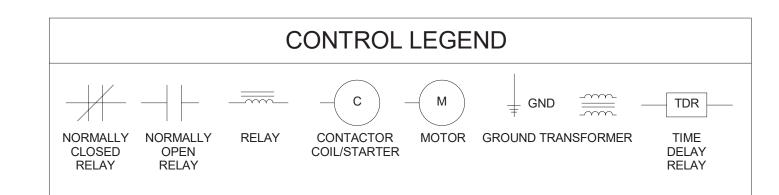
SR-82

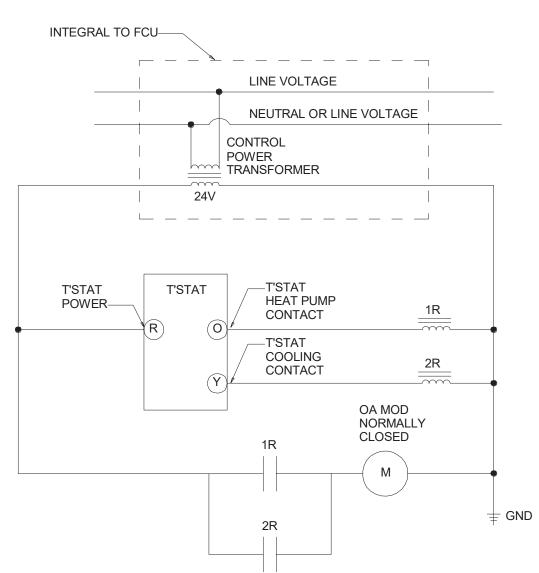
7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

220035.00

MECHANICAL SCHEDULES

SHEET NUMBER: RM4.04





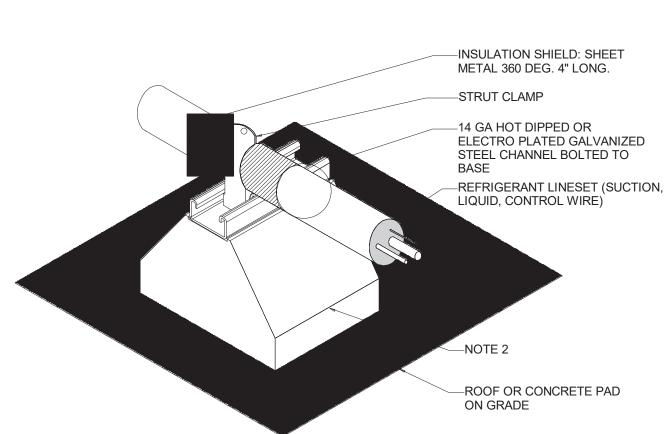
### SEQUENCE OF OPERATION:

- UPON CALL A T'STAT CALL FOR COOLING, RELAY 1R SHALL CLOSE AND ENERGIZE OAD.
   UPON CALL A T'STAT CALL FOR HEATING (COMPRESSOR), RELAY 2R SHALL CLOSE AND ENERGIZE OA MOD.
- 3. OA MOD SHALL NOT BE ENERGIZED BY T'STAT "FAN ON" OR "FAN CONTINUOUS" MODE. ONLY ENERGIZE WHEN COMPRESSOR IS OPERATING.

  NOTES:
- 1. CONTRACTOR SHALL RECOGNIZE THAT COMPONENTS ARE LOCATED SUCH THAT VOLTAGE DROP MAY BE AN ISSUE. SIZE WIRE TO MINIMIZE VOLTAGE DROP TO BE WITHIN ACCEPTABLE
- 2. T'STAT IS SPECIFIED IN SPLIT SYSTEM SCHEDULE ACCESSORIES
  3. ALL COMPONENTS EXCEPT T'STAT SHALL BE LOCATED IN FCU CLOSET AND SHALL BE
- PLENUM RATED.
  4. OA MOD SHALL BE FAIL CLOSED/NORMALLY CLOSED TYPE, SPRING RETURN
  5. WITH A STRAIGHT ELECTRIC HEAT SPLIT SYSTEM (I.E. NOT A HEAT PUMP) THE T'STAT
- HEATING CONTACT SHALL ENERGIZE RELAY 1R.

  6. CONTRACTOR SHALL WIRE ONE FCU AND VERIFY IT WORKS PROPERLY BEFORE PROCEEDING WITH OTHER UNITS. CONTACT ENGINEER IF PROBLEMS DEVELOP.
- CONTROL SCHEMATIC FCU OA MOD

SCHEMATIC - NO SCALE

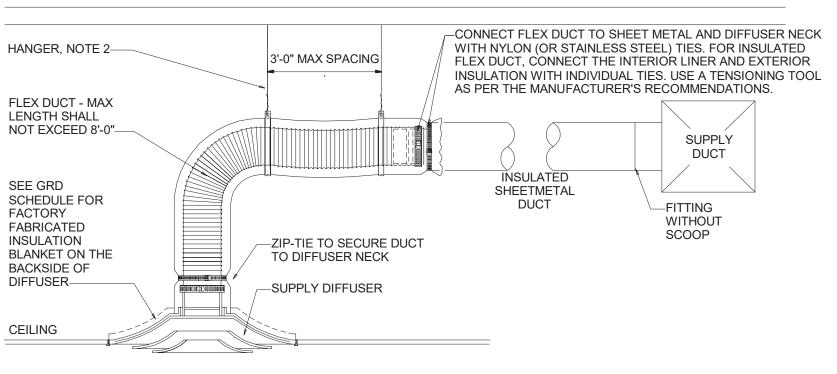


NOTES:

1. SUCTION AND LIQUID REFRIGERANT LINES SHALL NOT COME IN CONTACT WITH EACH OTHER.

2. UV RESISTANT, HIGH DENSITY POLYMER OR RUBBER PIPE SUPPORT BASE CAPABLE OF OUTDOOR INSTALLATION IN TEMPERATURE OF 0 TO 150 °F, WITH 14 GA GALVANIZED CHANNEL FOR ZINC PLATED STRUT CLAMPS. PROVIDE SUPPORT WIDE ENOUGH FOR SPECIFIC APPLICATION. MULTIPLE LINESETS CAN BE SUPPORTED BY EACH SUPPORT. PROVIDE SEPARATE STRUT CLAMP FOR EACH LINESET. EQUAL TO MIFAB C-RUBBER SUPPORT SERIES, PENTAIR CADDY PYRAMID ST, OR EQUAL.

8 REFRIGERANT PIPE SUPPORT DETAIL SCHEMATIC - NO SCALE



NOTE:

1. PROVIDE MVD AT DIFFUSER UNLESS NOTED OTHERWISE. MVD MAY BE PROVIDED AT BRANCH DUCT TAKEOFF INSTEAD OF AT DIFFUSER ONLY IF LOCATED ABOVE ACCESSIBLE LAY-IN CEILING.

2. REFER TO TABLE 4-2 (MINIMUM HANGER SIZE FOR ROUND DUCT) IN SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE - SECOND EDITION" FOR STRAP OR ROD SIZE AND SPACING.

SUPPLY DUCT TAKE-OFF (COMMON AREAS) DETAIL SCHEMATIC - NO SCALE

HOOD, CAULK AROUND HOOD,

GROUT AROUND OUTSIDE OF SLEEVE WEATHER PROOF CALUK ON INSIDE OF SLEEVE.

COLOR TO MATCH BUILDING.

RS, RL, & CONTROL WIRING TO

REFRIGERANT LINESET THRU EXTERIOR WALL DETAIL

CONDENSING UNIT. ONE

LINESET PER OPENING-

3" MAX, PVC OR METAL

SCHEMATIC - NO SCALE

SLEEVE. MOUNT 6"-8"

ABOVE GRADE—

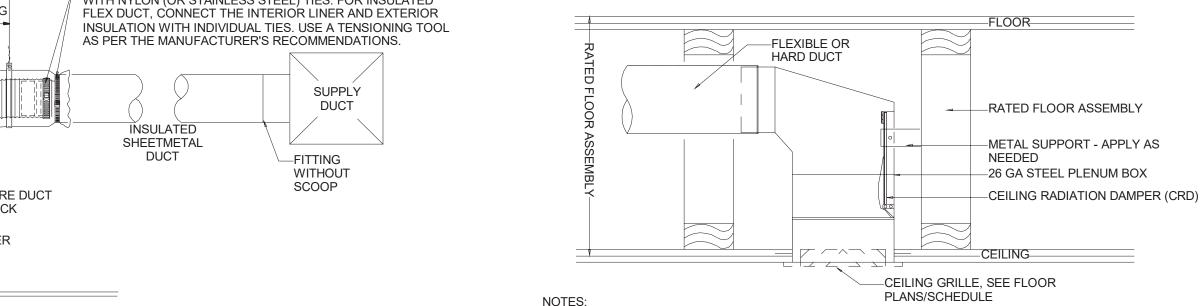
COORD. WITH ARCH.—

EXTERIOR WALL-

ANCHOR IN CORNERS TO

**BUILDING WITH STAINLESS** 

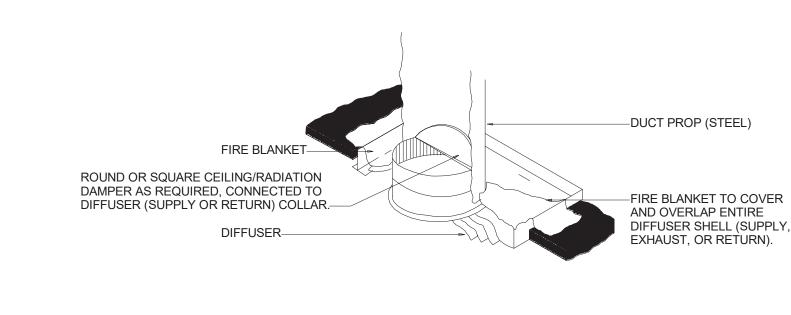
STEEL SCREWS. -



CEILING RADIATION DAMPER SHALL BE UL 263 CLASSIFIED WITH 1 HOUR RATED FOR USE IN UL FLOOR/CEILING (E.G. WOOD TRUSS) ASSEMBLIES.
 DAMPER SHALL BE RECTANGULAR TO MATCH DUCT CONFIGURATION/SIZE AND SHALL OPERATE WITH A UL LISTED FUSIBLE LINK (212°F).
 PROVIDE DAMPER WITH INSULATION (UL LISTED) ON BACKSIDE OF DAMPER BLADE WHERE REQUIRED BY MANUFACTURER.
 PROVIDE STEEL PLENUM CONSTRUCTED OF MINIMUM 26 GA WITH ROUND CONNECTION COLLAR AND PLASTIC FLANGE.
 DAMPER INSTALLATION AND APPLICATION SHALL BE PER MANUFACTURER'S INSTRUCTIONS AND APPROVAL.
 BASIS OF DESIGN - NAILOR MODEL 0758.

2 CEILING RADIATION DAMPER DETAIL SCHEMATIC - NO SCALE

FIRE DAMPER



NOTES:

1. CEILING/RADIATION DAMPER SHALL BE RUSKIN UL555C CFD w/THERMAL INSULATING BLANKET. (NAILOR 0722 FIRE RATED CEILING PACKAGES MAY BE SUBSTITUTED).

2. INSTALL DAMPERS IN ACCORDANCE WITH UL LISTING.

3. DUCT PENETRATION AT FIRE STOP MEMBRANE AND CONTINUING ON W/O AIR DEVICE SIMILAR.

4. APPLY 3M FIRE STOPPING AROUND DUCT AT PENETRATION.

3 CEILING RADIATION DAMPER AT CEILING DEVICES DETAIL SCHEMATIC - NO SCALE



STATE OF

01-05-2023
Christopher R. Baker
PE 0057962

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**INFO@BAKERBARRIOS.COM** 

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407 926 3000

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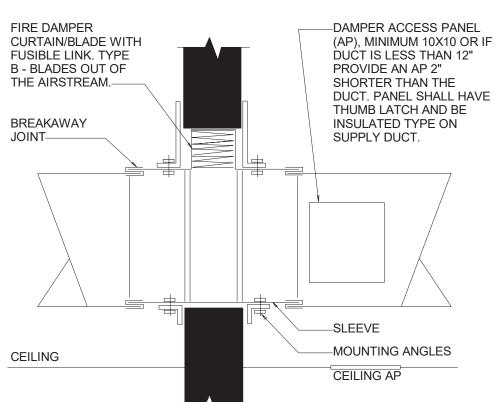
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S
KNOWLEDGE AND ABILITY, THE PLANS AND
SPECIFICATIONS COMPLY WITH THE APPLICABLE
MINIMUM BUILDING CODES.

CLEARANCE BETWEEN CURTAIN/BLADE DAMPER AND WALL PER WITH FUSIBLE MANUFACTURER'S LINK. TYPE C.— INSTALLAITON SLEEVE-INSTRUCTIONS. COLLAR----TIES, SEE NOTE 2 JOINT---INSULATED -MOUNTING ANGLES FLEXIBLE DUCT— MOUNT BOTTOM OF CEILING ACCESS DAMPER WITHIN 12" PANEL, NOTE 6—— OF CEILING FOR EASE OF ACCESS-1. SLEEVE SHEET METAL GAUGE MUST BE EQUAL TO OR GREATER THAN THE DUCT

PROVIDE EXPANSION

SLEEVE SHEET METAL GAUGE MOST BE EQUAL TO OR GREATER THAN THE DUCT CONNECTING TO IT.
 CONNECT FLEX DUCT TO DAMPER COLLAR WITH NYLON (OR STAINLESS STEEL) TIES. FOR INSULATED FLEX DUCT, CONNECT THE INTERIOR LINER AND EXTERIOR INSULATION WITH INDIVIDUAL TIES. USE A TENSIONING TOOL PER THE MANUFACTURER'S RECOMMENDATIONS. ACCESS TO THE FIRE DAMPER IS PROVIDED BY REMOVING TIES.
 MOUNTING/RETAINING ANGLES (ANGLE IRON) MUST OVERLAP THE WALL A MINIMUM OF 1".
 FDS SHALL MEET THE REQUIREMENTS OF UL555.
 FD SHALL BE EQUAL TO NAILOR D0130, RUSKIN IBD23, OR EQUAL. IN LIEU OF SQUARE CURTAIN DAMPER, A ROUND DAMPER MAY BE USED FOR 1-1/2 HOUR RATINGS EQUAL TO RUSKIN FDR25. FUSIBLE LINK (UL LISTED) 165°F.
 LOCATE WALL OR CEILING ACCESS PANEL (AP) WHERE DAMPER WILL BE ACCESSIBLE. THE WALL OR CEILING PANEL SHALL BE AT LEAST 24" X 24" UNLESS NOTED OTHERWISE AND SPECIFIED BY ARCHITECT. PANEL RATING SHALL MATCH CEILING. VERIFY WITH ARCH DWGS.
 MOUNTING ANGLES SHALL BE AS SPECIFIED BY MANUFACTURER.
 INSTALL FD PER MANUFACTURER'S INSTRUCTIONS.

6 ROUND DUCT FIRE DAMPER DETAIL SCHEMATIC - NO SCALE

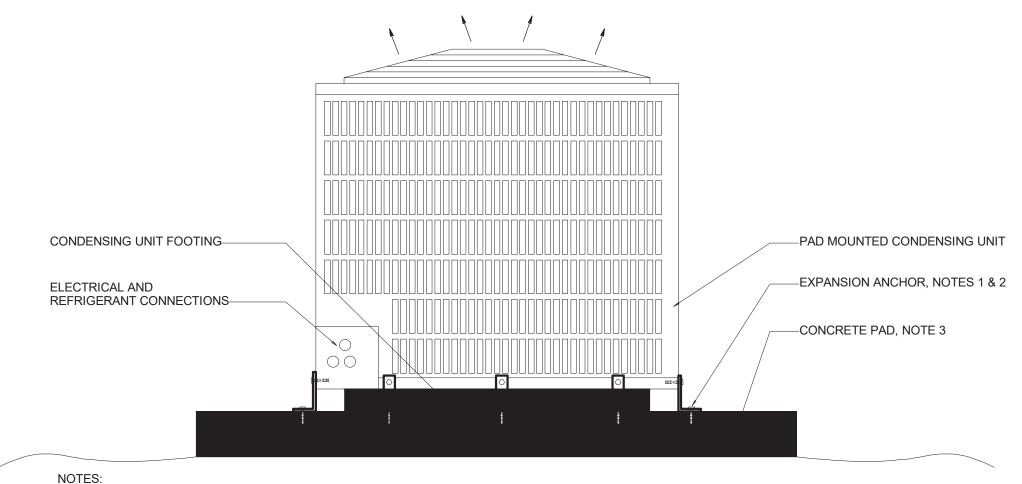


SLEEVE SHEET METAL GAGE MUST BE EQUAL TO OR GREATER
 THAN THE DUCT CONNECTING TO IT.
 FOLLOW ALL OTHER MANUFACTURER'S INSTALLATION

2. FOLLOW ALL OTHER MANUFACTURER'S INSTALLATION
INSTRUCTIONS INCLUDING INSTALLING A BREAKAWAY CONNECTION
AS LISTED IN THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. FD'S SHALL MEET THE REQUIREMENTS OF UL555.
4. FD SHALL BE EQUAL TO NAILOR 0220. RUSKIN IBD2. OR OTHER

4. PD SHALL BE EQUAL TO NAILON 0220, RUSKIN IBD2, OR OTHER EQUALS SUBJECT TO COMPLIANCE WITH ALL CRITERIA.
5. CEILING AP SHALL BE 2" LARGER THAN DUCT AP AND SPECIFIED BY ARCHITECT. LOCATE SUCH THAT DUCT AP IS ACCESSIBLE FROM CEILING AP.

7 FIRE DAMPER DETAIL
SCHEMATIC - NO SCALE



1. GROUND MOUNTED UNITS SHALL BE ANCHORED WITH 1/4" DIAMETER EXPANSION ANCHOR MIN 1.125" MINIMUM EMBED DEPTH, SIMPSON EASY SET PIN DRIVE EXPANSION ANCHOR OR EQUAL. FOR UNITS WITH SIDES BETWEEN 24 AND 36 INCHES, THREE SCREWS SHALL BE USED AT EACH SIDE WITH MIN 4" BETWEEN ANCHORS. FOR UNITS GREATER THAN 36 INCHES OR 5 TONS, CONTACT ENGINEER.

 ALL COMPONENTS SHALL BE ELECTRO-PLATED FOR CORROSION PROTECTION. PROVIDE A ZINC COATING TO ANY SURFACE SCRATCHED DURING CONSTRUCTION.
 CONCRETE PAD SHALL BE 4" THICK MIN 3000 PSI STRENGTH AND 6" LARGER THAT UNIT IN ALL DIRECTIONS. PROVIDE

REINFORCING WIRE IN CENTER OF PAD.

4. PROVIDE ADEQUATE CLEARANCES FOR CONDENSING UNITS PER MANUFACTURER'S INSTRUCTION.

5. ROUTE REFRIGERANT LINES TO FCUS THROUGH WALL SLEEVE. ROUTE LINESETS WHERE THEY WILL NOT CAUSE A NUISANCE, OBSTRUCTION, OR BE DAMAGED OR DISTURBED BY FOOT OR VEHICULAR TRAFFIC OR WEATHER. SEE GENERAL NOTES FOR

OBSTRUCTION, OR BE DAMAGED OR DISTURBED BY FOOT OR VEHICULAR TRAFFIC OR WEATHER. SEE GENERAL NOTE: ADDITIONAL REQUIREMENTS.
6. SEE GENERAL NOTES REGARDING LABELING OF UNITS. LABEL WITH UNIT (APT/TOWNHOME/CONDO) NUMBER.

9 GRADE MOUNTED CONDENSING UNIT DETAIL SCHEMATIC - NO SCALE

MILHAUS<sub>®</sub>

SR-82

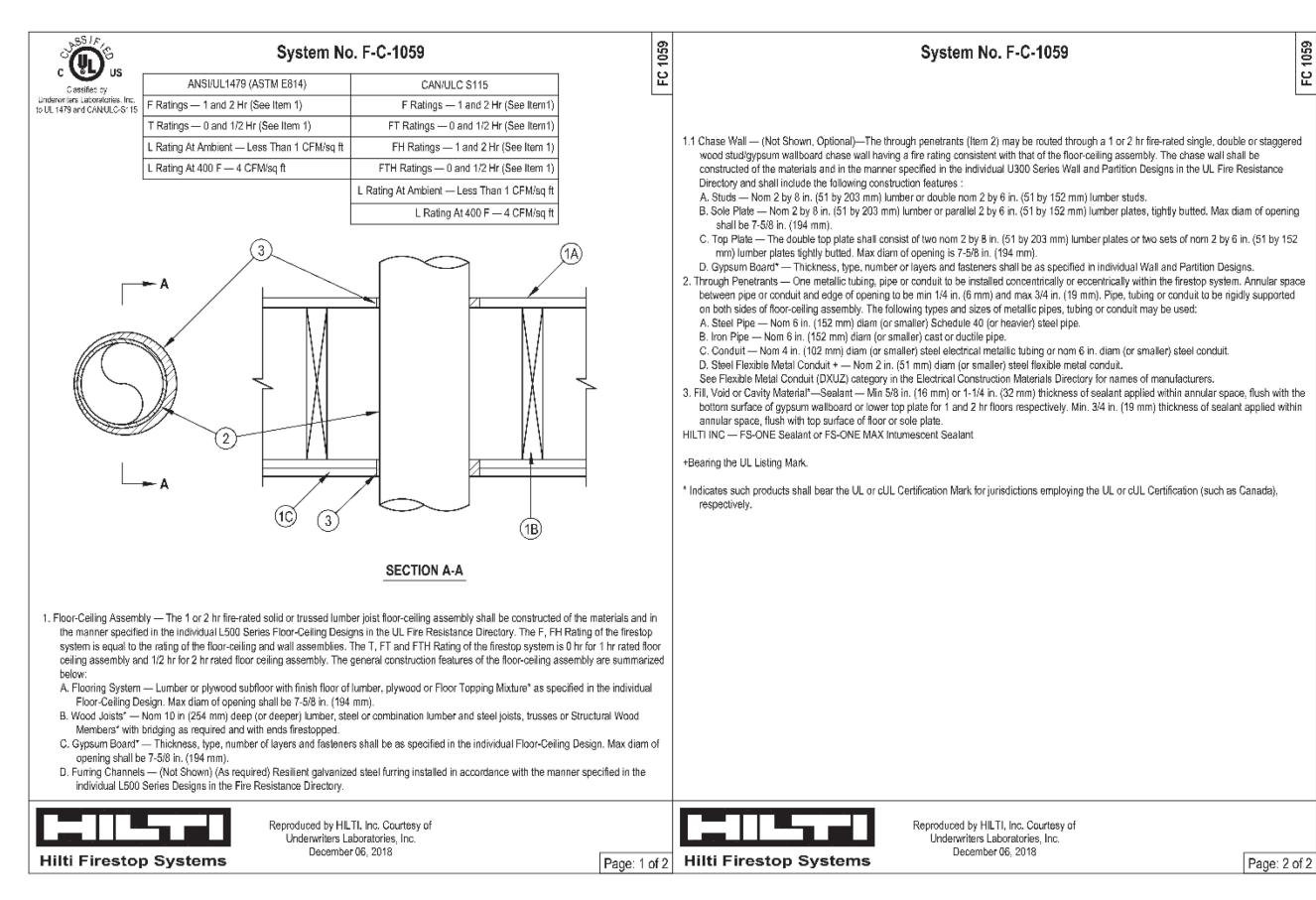
A 7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

220035.00

FIRE STOP DETAILS

HEET NUMBER: RM5.00

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NETAL PIPE THROUGH WOOD FLOOR/CEILING ASSEMBLY

SCHEMATIC: NO SCALE

1. CONTRACTOR MAY USE MANUFACTURERS OTHER THAN

2. IF CONTRACTOR CANNOT FIND A DETAIL TO MATCH THE

PROJECT. FOR EXAMPLE, IF A CERTAIN STEEL THICKNESS

FIELD APPLICATION, THEN NOTIFY ENGINEER BEFORE

3. CONTRACTOR SHALL APPLY THE INSTALLATION

CONDITIONS INDICATED IN THESE DETAILS TO THE

OR INSULATION THICKNESS IS INDICATED IN THESE

DETAILS THEN APPLY THAT CRITERIA TO THE PROJECT

GENERAL NOTES:

INSTALLING.

INSTALLATION.

THOSE SHOWN IN THESE DETAILS.



System No. F-C-8026 오[2. Through Penetrants — One or more pipes, conduits, tubing and cables to be installed concentrically or eccentrically within the opening. The 🔃 🗜 space between any penetrant, except nonmetallic pipes and uninsulated metallic pipes to be min 0 in. (point contact) to max 1 in. (25 mm). The space between any penetrants and the periphery of the opening shall be min 0 in. (point contact) to max 1 in. (25 mm). Pipes, conduits, tubing and cables to be rigidly supported on both sides of floor-ceiling assembly. A. Metallic Penetrants — One or more metallic pipes, conduits or tubing to be installed within the firestop system. The following types and sizes of metallic pipes, conduits or tubing may be used: A1. Steel Pipe — Nom 3/4 in. (19 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe. A2. Conduit — Norn 3/4 in. (19 mm) diam (or smaller) steel electrical metallic tubing (EMT) or 3/4 in. (19 mm) diam galv steel conduit. A3. Copper Tube — Nom 3/4 in. (19 mm) diam (or smaller) Type L (or heavier) copper tube. A4. Copper Pipe — Nom 3/4 in. (19 mm) diam (or smaller) Regular (or heavier) copper pipe. B. Tube Insulation - Plastics+ — Nom 3/4 in. (19 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. Tube insulation to be installed on one or more of the metallic pipes or tubes (Item 2A). See Plastics+ (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be C. Nonmetallic Through Penetrants — One nonmetallic pipe to be installed within the firestop system. Pipe shall be spaced a min 1-1/2 in. (38 mm) from non-uninsulated metallic through penetrants. The following types and sizes of metallic pipes may be used: C1. Polyvinyl Chloride (PVC) Pipe — Nom 1-1/4 in. (32 mm) diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system. C2. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 1-1/4 in. (32 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems. D. Cables — Max of two 4 pair No. 18 AWG (or smaller) cable with PVC insulation and jacket materials. 3. Fill, Void or Cavity Materials\* - Sealant — Min 3/4 in. (19 mm) thickness of sealant applied within the annulus flush with the top surface of the floor or sole plate and min 5/8 in. (16 mm) thickness of sealant applied within the annulus flush with the bottom surface of gypsum board or top plate. A min ¼ in. (6 mm) diameter bead of sealant applied at the bundle/subflooring or sole plate interface and the bundle/gypsum board or top plate interface at point contact locations. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE\_MAX Intumescent Sealant \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), +Bearing the UL Recognized Component Mark

Page: 2 of 2

NOTE: THIS PROJECT **CONTAINS MULTIPLE** BUILDINGS, BUT EACH BUILDING IS REQUIRED TO BE PERMITTED SEPARATELY. THIS SHEET INCLUDES DETAILS ASSOCIATED WITH ALL BUILDINGS, SO SOME MAY NOT BE APPLICABLE TO EACH BUILDING.

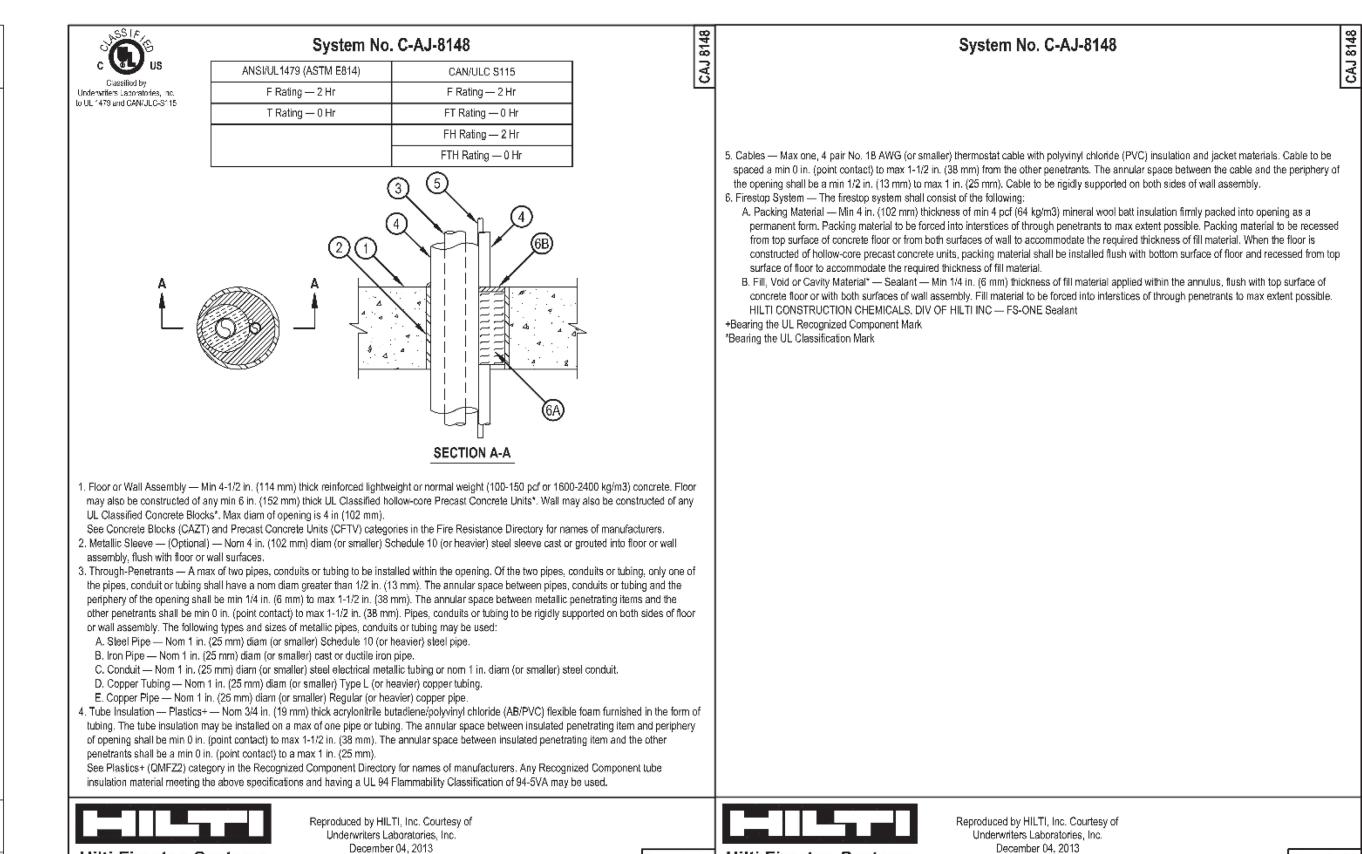
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NULTIPLE LINESETS THROUGH WOOD FLOOR/CEILING ASSEMBLY

Page: 1 of 2 Hilti Firestop Systems



REFRIGERANT LINESET THROUGH CONCRETE FLOOR/WALL

**NOT FOR** 

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KNOWLEDGE AND ABILITY, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

MILHAUS

SR-82

7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

220035.00

**MECHANICAL DETAILS** 

RM5.01

FTH Ratings - 1 Hr Rating At Ambient - Less Than 1 CFM/sq Floor - Ceiling Assembly - The 1 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Designs in the UL Fire Resistance Directory, as summarized below A. Flooring System - Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture\* as specified in the individual Floor-Ceiling Design B. Wood Joists - Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members\* with bridging as required and with ends firestopped. C. Gypsum Board\* - Thickness, type, number of layers and fasteners as required in the individual Floor-Ceiling Design. Diam of opening is to be max 1-1/2 in. (38 mm) larger than diam of steel duct. Chase Wall - (Optional, Not Shown) - The through penetrant (Item 2) may be routed through a 1 hr fire rated single, double or staggered wood stud/gypsum board chase wall. Depth of chase wall stud cavity to be min 1/2 in. (13 mm) greater than diameter of opening cut in top plates to accommodate the through penetrant (Item 2). The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the A. Studs - Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs. B. Sole Plate - Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm)or parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly C. Top Plate - The double top plate shall consist of two nom 2 by 4 in (51 by 102 mm)., two nom 2 by 6 in. (51 by 152 mm) or two sets of parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Diam of opening is to be max 1-1/2 in. (38 mm) larger than diam of steel duct. As an alternate, the opening may be square-cut with a max dimension 1-1/2 in. (38 mm) greater than the diam of the pipe. Plates may be discontinuous over opening, terminating at two opposing edges of opening. Max length of discontinuity is 7-1/2 in. D. Steel Plate - When lumber plates are discontinuous, nom 1-1/2 in. (38 mm) wide No. 20 gauge (or heavier) galv steel plates shall be installed to connect discontinuous lumber plates and to provide a form for the fill material. Steel plates sized to lap 2 in. (51 mm) onto each discontinuous lumber plate and secured to lumber plates with steel screws or nails. E. Gypsum Board\* - Thickness, type, number of layers and fasteners shall be as specified in the individual Wall and Partition Design. Steel Duct - One nom 6 in. (152 mm) diam (or smaller) No. 30 GA (or heavier) galvanized steel duct to be installed either concentrically or eccentrically within the opening. Annular space to be min 0 in. (point contact) to max 1-1/2 in. (38 mm). Steel duct to be rigidly supported on both sides of floor-ceiling assembly. Fill, Void or Cavity Material\* - Sealant - Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with bottom surface of ceiling or top plate. Min 1/4 in. (6 mm) diam bead of fill material applied at point contact location at the penetrant/ceiling or chase wall top plate interface. SPECIFIED TECHNOLOGIES INC - SpecSeal LCI Sealant, SpecSeal LC150 Sealant or Type WF300 Caulk

System No. F-C-7060

CAN/ULC S115

F Rating - 1 Hr

FT Ratings - 1 Hr

FH Rating - 1 Hr

ANSI/UL1479 (ASTM E814)

F Rating - 1 Hr

T Ratings — 1 Hr

L Rating At Ambient – Less Than 1 CFM/sq

(such as Canada), respectively.

METAL DUCT THROUGH WOOD CEILING MEMBRANE

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification

Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876

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Created or Revised: January 07, 2015

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FH Rating — 1 Hr FTH Rating — 1 Hr SECTION A-A System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed 1. Floor-Ceiling Assembly — The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction features of the floor-ceiling assembly are summarized below: A. Flooring System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture\* as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 5 in. (127 mm). B. Wood Joists\* — Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members\* with bridging as required and with ends firestopped.

System No. F-C-8026

F Rating — 1 Hr

FT Rating — 1 Hr

ANSI/UL1479 (ASTM E814

F Rating — 1 Hr

T Rating — 1 Hr

Classified by

erwriters Laboratories, I

C. Gypsum Board\* — Nom 4 ft (122 cm) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design. Gypsum board secured to wood joists or furring channels as specified in the individual Floor-Ceiling Design. A. Chase Wall — (Optional, Not Shown) - The through penetrants (Item 2) may be routed through a 1 hr fire rated single, double or staggered wood stud/gypsum board chase wall. Depth of chase wall stud cavity to be min 1/2 in. (13 mm) greater than diameter of opening cut in sole and

top plates to accommodate the through penetrant (Item 2). The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features: A. Studs — Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs. B. Sole Plate — Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or parallel 2 by 4 in., (51 by 102 mm) lumber plates, tightly butted. Max diam of opening is 5 in. (127 mm). C. Top Plate — The double top plate shall consist of two nom 2 by 4 in. (51 by 102 mm), two nom 2 by 6 in., (51 by 102 mm) or two sets of parallel 2 by 4 in.. (51 by 102 mm) lumber plates, tightly butted. Max diam of opening is 5 in. (127 mm).

D. Gypsum Board\* — Thickness, type, number of layers and fasteners shall be as specified in the individual Wall and Partition Design.

Hilti Firestop Systems

eproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.

SCHEMATIC: NO SCALE

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.

VENT, BY PLUMBING-

HVAC CLOSET USED

AS AN AIR PLENUM.

DISCHARGE INTO

HUB DRAIN. (TYP.)-

PAN DRAIN. (TYP.)—

WATER HEATER

NOTE: SEE

DRAIN BY

PLUMBING FOR

RISER DIAMETER.-

PLUMBING (TYP)-

PROVIDE TRAP

DRAIN -

GUARD OR TRAP

PRIMER AT EACH

MAY BE REQUIRED.

SCHEMATIC - NO SCALE

3. CONDENSATE DRAIN BY MECHANICAL.

(TYP.)— T&P VALVE, HVAC

UNIT

WATER

HEATER

HVAC

WATER

HEATER

HVAC UNIT

WATER

HEATER

1. SEE BUILDING PLANS FOR THE EXACT NUMBER OF FLOORS. DIAGRAM

2. FOR W+V PIPE (BY PLUMBING) SEE PLUMBING DRAWINGS.

4. SEE HVAC GENERAL NOTES FOR CONDENSATE PIPE MATERIAL

CONDENSATE & WATER HEATER PAN DRAIN RISER

SHOULD BE CONSIDERED SCHEMATIC AND ADJUSTMENTS IN THE FELD

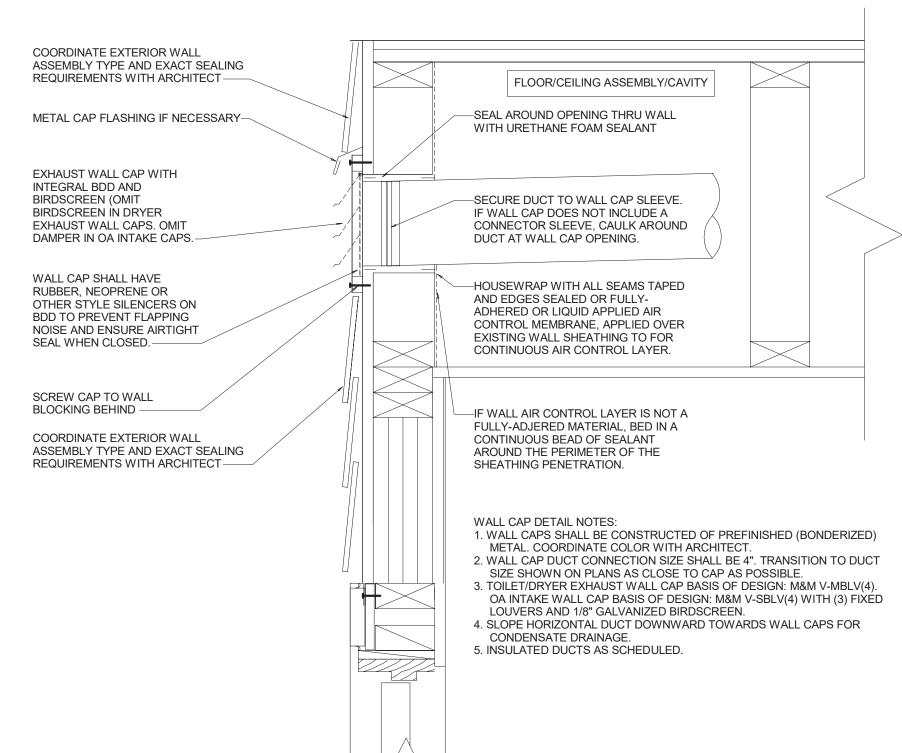
FLOOR/CEILING ASSEMBLY

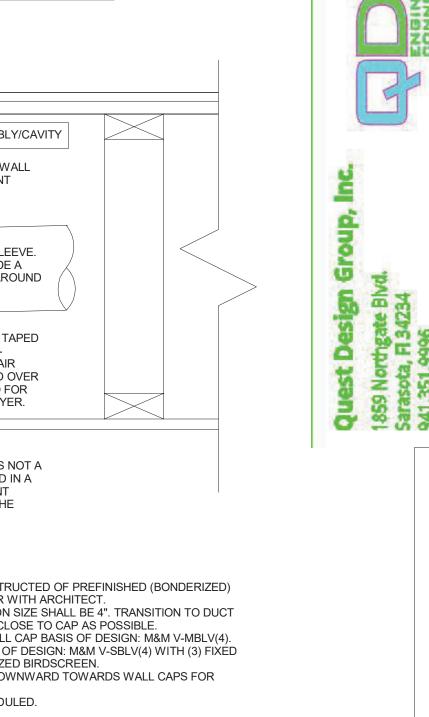
FLOOR/CEILING ASSEMBLY

FLOOR/CEILING ASSEMBLY

—SEE PLUMBING FOR CONTINUATION

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dia. **rigid metal** duc

Specification Revised 3/18

NOTE: THIS PROJECT

**CONTAINS MULTIPLE** 

BE PERMITTED

**EACH BUILDING** 

INCLUDES DETAILS

BUILDINGS, BUT EACH

BUILDING IS REQUIRED TO

SEPARATELY. THIS SHEET

BUILDINGS, SO SOME MAY

**ASSOCIATED WITH ALL** 

NOT BE APPLICABLE TO

electric dryers

1. DRYERS ARE PROVIDED BY OWNER. AT TIME OF DESIGN, DRYERS ARE SPECIFIED TO BE GE GFD40ESCMWW. MECHANICAL CONTRACTOR SHAL

SEE DOMESTIC DRYER EXHAUST NOTES ON M0-01 FOR ADDITIONAL REQUIREMENTS AND INFORMATION RELATED TO DRYER DUCTS. PROVIDE LOUVERED 4" VENT (WALL CAP) EQUAL TO M&M MANUFACTURING COMPANY MODEL V-MBLV(4) PER OWNER STANDARDS.

8 OWNER PROVIDED DRYER EXHAUST DATA

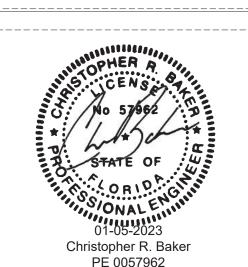
SEE UNIT PLANS FOR DRYER LENGTHS AS DESIGNED AND DO NOT EXCEED RECOMMENDED MAXIMUM DISTANCES DURING INSTALLATION.

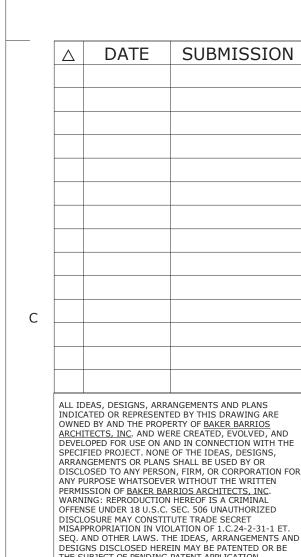
PROVIDE THE PERMIT OFFICIAL WITH A COPY OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS DURING PERMIT REVIEW IF THE DRYER TO BE PROVIDED IS TO BE DIFFERENT THAN THE ONE LISTED ABOVE. THE SPECIFIED DRYER MUST BE INSTALLED PRIOR TO THE FINAL INSPECTION.



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TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE AND ABILITY, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

PE 0057962 **NOT FOR** 

**MILHAUS** 

7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

**MECHANICAL** 

220035.00

**DETAILS** 

SHEET NUMBER: RM5.02

APARTMENT FCU & RTU: OVERFLOW SWITCH LOCATED IN DRAIN PAN FOR FOR APARTMENT FCUs - SEE NOTE 5. -WIRING TO FCU CONTROLS TO SHUT DOWN UNIT. -NON APARTMENT FCU: OVERFLOW SWITCH LOCATED IN SECONDARY OVERFLOW FOR NON-APARTMENT FCUs -COOLING TEE WITH EXTENDED NECK AND CAP FOR CLEANING TRAP -OPEN VENT WITH REMOVABLE COVER. DRAIN PAN-CABINET-TRAP FOR APARTMENT UNITS IS A "RUNNING TRAP". 1. THIS DETAIL IS FOR A DRAW-THRU UNIT. CONTACT ENGINEER FOR A DIFFERENT TRAP CONFIGURATION IF A BLOW-THRU UNIT IS USED.

2. MINIMUM DRAIN FOR UNITS 5 TONS AND LESS SHALL BE 1". DRAINS FOR UNITS GREATER THAN 5 TONS SHALL BE 1.25" UNO. 3. PIPE MATERIAL SHALL BE AS NOTED IN HVAC GENERAL NOTES. 4. FOR COMMON AREA FCUs OR UNITS WITH A DUCTED RETURN & NO EXTERIOR DRAIN PAN: PROVIDE 24V, PLENUM RATED OVERFLOW SHUT OFF FLOAT SWITCH IN SECONDARY DRAIN OUTLET EQUAL TO RECTORSEAL 83417 ALL ACCESS AA2P. INTERLOCK WITH UNIT TO SHUT DOWN UPON DETECTION OF CONDENSATE. 5. FOR APARTMENT FCUs & RTUs: PROVIDE A 24V, PLENUM RATED CLIP-ON TYPE SWITCH EQUAL TO RECTORSEAL SAFE-T-SWITCH SS500EP IN UNIT DRAIN PAN IN LIEU OF SECONDARY DRAIN OUTLET MOUNTED SWITCH DESCRIBED IN NOTE 4. 6. FOR COMMON AREA FCUs WITH A DUCTED RETURN & WITH AN EXTERIOR DRAIN PAN PROVIDE A 24V, PLENUM RATED CLIP-ON TYPE SWITCH EQUAL TO RECTORSEAL SAFE-T-SWITCH SS500EP IN EXTERIOR DRAIN PAN IN LIEU OF SECONDARY DRAIN OUTLET MOUNTED SWITCH DESCRIBED IN NOTE 4 & IN LIEU OF NOTE 5 MOUNTED IN INTERIOR

CONDENSATE TRAP WITH FLOAT SWITCH DETAIL

SCHEMATIC - NO SCALE

1. CONDENSATE CANNOT SPILL ON A PAVED SURFACE. IT MUST BE DIRECTED ONTO GRADE OR IF THERE IS NOT A DIRECT METHOD TO SPILL ONTO GRADE THEN PIPE SHALL BE DIRECTED UNDERGROUND AND ROUTED BELOW THE PAVED SURFACE (SIDEWALK, ETC.) AND SPILL INTO A DRY WELL AS SHOWN IN THIS DETAIL 2. COORDINATE WITH THE STRUCTURAL FOUNDATION PLAN AND INSTALL CONDENSATE DRAIN LINE DURING FOUNDATION CONSTRUCTION. 3. COORDINATE LOCATION OF EACH DRY WELL WITH ARCHITECT/CIVIL ENGINEER.

SOIL-

DRYWELL & CONDENSATE DRAIN DETAIL SCHEMATIC - NO SCALE

REMOVABLE PIPE CAP

FOR 12" PIPE, FLUSH

SURROUND PIPE WITH 24" X

24" DEEP HOLE. LINE HOLE

NONWOVEN GEOTEXTILE

PREVENT ANY DIRT FROM

ENTERING THE DRYWELL.

FABRIC SUCH THAT IT SHALL

APPROXIMATELY 3/4 OF THE

WAY TO THE TOP WITH #57

STONE GRAVEL. ENSURE THERE IS AT LEAST 1" OF AIR

SPACE BETWEEN BOTTOM

TOP LEVEL OF GRAVEL.-

12" X 12"(MIN) -18"(MAX)

OR CONCRETE-

OPEN ENDED AT

BOTTOM OF PIPE-

GRAVEL OR SAND FILL-

LONG PERFORATED PIPE

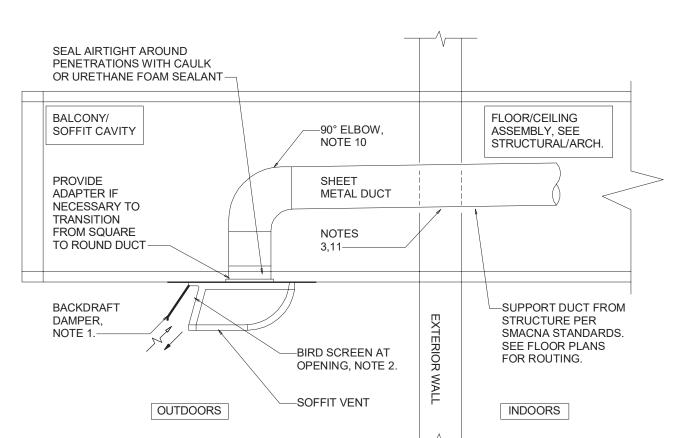
CONSTRUCTED OF PVC, ABS,

OF CONDENSATE PIPE AND

WITH SURFACE—

WITH LIGHTWEIGHT

FILL INSIDE OF PIPE



—CONNECT TO VENT PIPE

TOP FLOOR

SYSTEM IN APARTMENT, SEE

PLUMBING FOR CONTINUATION

1" HVAC CONDENSATE DRAIN,

SEE FCU CONDENSATE DRAIN

TRAP DETAILS. (TYP.)

TYPICAL FLOOR

CONDENSATE PIPE

FLOOR/CEILING

FIRESTOPPING.

BOTTOM FLOOR

PENETRATES RATED

ASSEMBLY OR RATED

CONCRETE FLOOR

WHERE

PROVIDE

1. PROVIDE BACKDRAFT DAMPER ON EXHAUST VENTS ONLY. DO NOT PROVIDE ON OA INTAKE VENTS. 2. PROVIDE INTEGRAL BIRDSCREEN ON OA INTAKE VENTS AND TOILET EXHAUST VENTS ONLY. DO NOT PROVIDE SCREEN ON DRYER VENTS. 3. PROVIDE FIRESTOPPING AROUND DUCTWORK WHEN PENETRATING A RATED WALL.

5. INSULATED DUCTWORK AS SCHEDULED. 6. COORDINATE BUILDING ASSEMBLY TYPE AND EXACT SEALING REQUIREMENTS WITH ARCHITECT 7. VENT DUCT CONNECTION SHALL BE THE SAME AS DUCT SIZES SPECIFIED. 8. VENT COLOR SHALL BE SELECTED BY ARCH AT TIME OF SUBMITTALS.

9. BASIS OF DESIGN: PRIMEX SM4. EQUAL BY DEFLECT-O UNDEREAVE VENT 10. USE LONG RADIUS (10 RADIUS) ON DRYER DUCTS). STANDARD RADIUS OR QUICK TURN ELBOWS MAY BE USED AS NECESSARY TO FIT WITHIN ASSEMBLY, BUT ADDITIONAL EQUIVALENT LENGTH MUST BE ACCOUNTED FOR. STANDARD OR QUICK RADIUS ELBOW EQUIVALENT 11. SLOPE DUCT DOWNWARD TOWARDS WALL CAP FOR CONDENSATE DRAINAGE. INSULATED DUCTS AS SCHEDULED.

SOFFIT VENT DETAIL SCHEMATIC - NO SCALE

FILTER &

ELECTRIC

SEE PLUMBING

3. FCU-A = 12" . FCU-B = 14" . FCU-C = 16"

WATER

HEATER

COIL

SIDE VIEW

4. SEAL DUCTS AIR TIGHT AT DAMPER CONNECTIONS

## RISK OF FIRE

THE NET EQUIVALENT LENGTH OF DRYER DUCT FROM THIS LOCATION IS

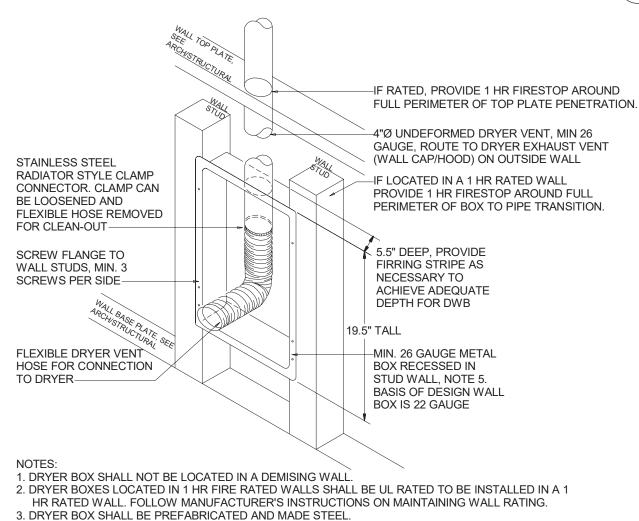
THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH STATED IN THE CLOTHES DRYER'S INSTALLATION INSTRUCTIONS SHALL BE EQUAL TO OR GREATER THAN THE POSTED EQUIVALENT LENGTH INDICATED ON THIS PLACARD.

MANDATED BY FMC 504.6.5 & FRC MI502.4.5. DO NOT REMOVE OR DEFACE THIS PLACARD.

WHERE THE EXHAUST DUCT IS CONCEALED WITHIN THE BUILDING CONSTRUCTION, THE EQUIVALENT LENGTH OF THE EXHAUST DUCT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG. THE LABEL OR TAG SHALL BE: a. LOCATED WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION. b. VISIBLE WHEN WASHER AND DRYER ARE INSTALLED.

c. A MINIMUM 6" LONG BY 4" TALL. d. CONSTRUCTED OF PLASTIC WITH PRE-DRILLED OPENINGS AT EACH CORNER FOR ATTACHMENT. e. ATTACHED TO THE WALL USING BLACK THREADED MOLY SCREWS AND BLACK FLAT WASHERS. f. SIGN BACKGROUND SHALL BE RED WITH WHITE LETTERS. q. FILL IN VENT LENGTH AND ELBOW INFORMATION AS INSTALLED PER FIELD CONDITIONS. DO NOT INCLUDE TRANSITION DUCT LENGTH. EQUIVALENT FEET OF SPECIFIED LONG RADIUS ELBOWS SHALL BE AS FOLLOWS:

90° ELBOW = 1.5 FT 45° ELBOW = 9 INCHES DRYER VENT WARNING LABEL SCHEMATIC - NO SCALE



EXTERIOR WALL

-CONDENSATE DRAIN

PREFERRED METHOD OF

FOUNDATION FOOTING.

CONDENSATE ROUTING, DO NOT

INSTALL UNLESS STRUCTURAL

**ENGINEER/ARCHITECT APPROVES** 

CONDENSATE PIPE SHALL ENTER

DRYWELL PIPE NO DEER THAN 6"

CONDITIONS DEMAND OTHERWISE

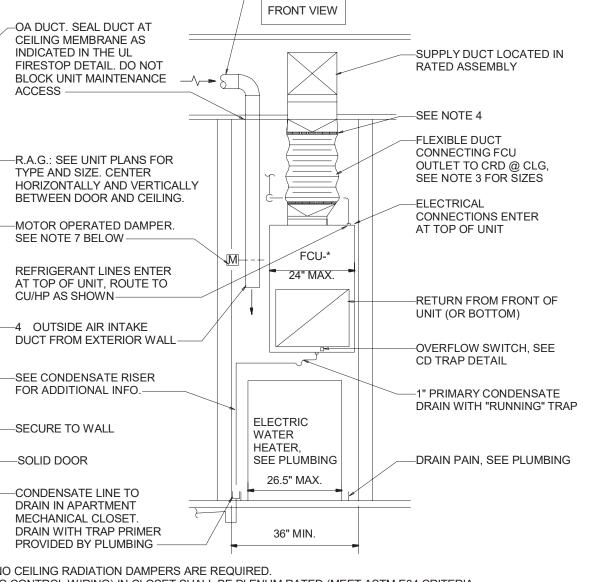
BELOW GRADE UNLESS

-FOOTING/FOUNDATION

OF THE PIPE BEING ROUTED IN THE

4. DIMENSIONS OF BOX ARE APPROXIMATE. 5. DWB SHALL BE LOCATED IN 2x6 FRAMED WALLS. COORDINATE WITH ARCHITECT AND FLOOR PLANS. BASIS OF DESIGN: CONSTRUCTION SOLUTIONS DBX1000-6. 6. FOR STAND ALONE DRYERS MOUNT BOX SUCH THAT TOP IS 30" AFF OR 6" BELOW TOP OF DRYER. 7. FOR STACKED DRYERS, MOUNT BOX SUCH THAT TOP OF BOX IS 36" BELOW CEILING OR 6" BELOW

DRYER WALL BOX DETAIL



TO OA INTAKE WALL CAP.

PROVIDED BY PLUMBING — NOTES: 1. APARTMENT CEILINGS ARE NOT RATED. NO CEILING RADIATION DAMPERS ARE REQUIRED. 2. ALL COMPONENTS/MATERIALS (INCLUDING CONTROL WIRING) IN CLOSET SHALL BE PLENUM RATED (MEET ASTM E84 CRITERIA 25/50 FLAME/SMOKE DEVELOPED RATING OR LESS).

-SECURE TO WALL

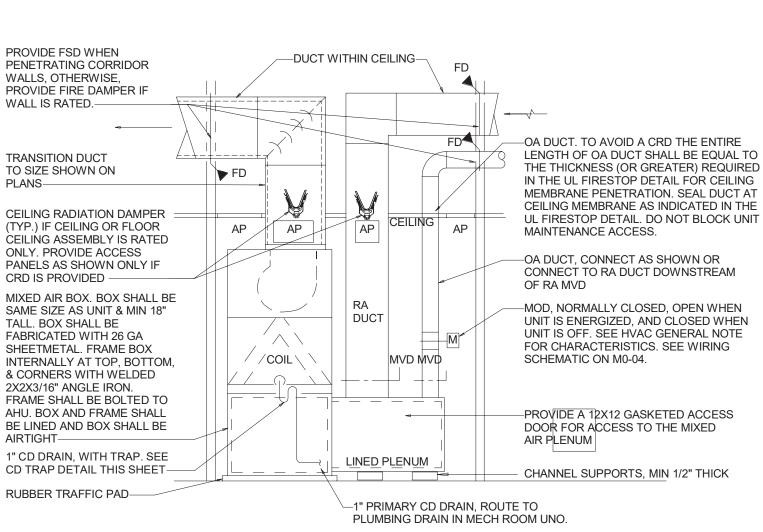
-SOLID DOOR

WITH METAL BANDS OR NYLON STRAPS. 5. REFRIGERANT LINES AND CONDENSATE RISER SHALL BE ROUTED SUCH THAT LINES ARE TIGHT TO CLOSET WALLS IN ORDER TO ALLOW ADEQUATE CLEARANCE FOR WATER HEATER DRAIN PAN. DO NOT BLOCK FCU ACCESS OR FILTER PULL WITH REFRIGERANT LINES OR CONDENSATE PIPE

6. DIMENSIONS SHOWN HAVE BEEN BASED ON A MAX 3.0 TON FAN COIL UNIT, CARRIER FFMA SERIES. 7. EACH APARTMENT FAN COIL UNIT SHALL BE PROVIDED WITH A MOTOR OPERATED DAMPER IN THE OUTSIDE AIR DUCT CONTRACTOR SHALL INTERLOCK DAMPER TO OPEN WHEN THE FAN COIL UNIT IS ENERGIZED TO PROVIDE HEATING OR COOLING. DO NOT OPEN DAMPER WHEN FAN IS IN CONTINUOUS OR FAN ONLY MODE. SEE WIRING SCHEMATIC ON M0-04.

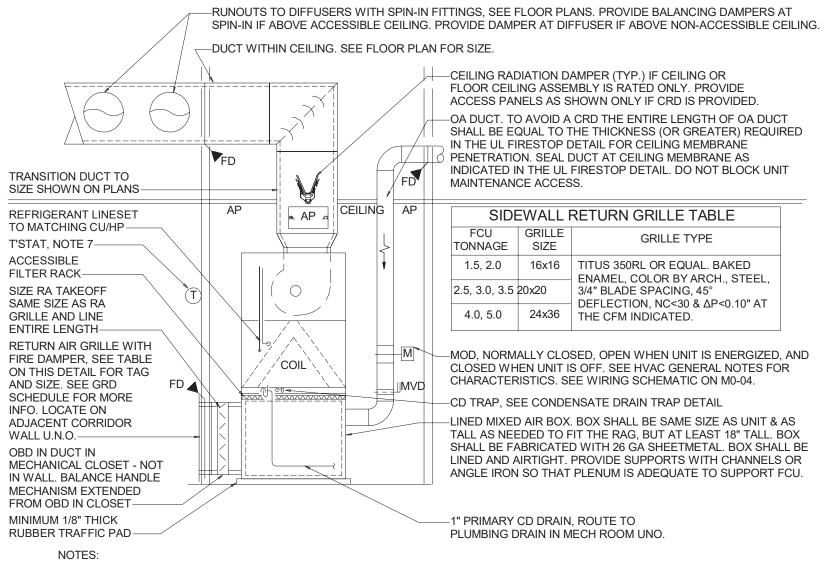
4. FLEX SHALL BE REMOVABLE TO SERVICE OR ACCESS THE C.R.D.. SECURE FLEX DUCT BETWEEN TRANSITION AND MAIN TRUNK

APARTMENT FCU DETAIL - SOLID DOOR / SCHEMATIC - NO SCALE



1. DUCT CONFIGURATION SHOWN IS GENERAL. CONFIGURE DUCT AS NEEDED TO ACCOMMODATE SPACE PROVIDED. 2. IF RADIUS ELBOW CANNOT BE USED THEN PROVIDE RECTANGULAR ELBOW WITH TURNING VANES, 3. LINE SUPPLY DUCT FIRST 10 FEET FROM UNIT. 4. SUPPLY DUCT DISCHARGE ELBOW SHALL TURN IN THE DIRECTION OF FAN ROTATION. 5. DO NOT BLOCK FILTER PULL WITH CONDENSATE DRAIN PIPE. 6. OA AND RA DUCT SHALL BE INSTALLED SO THAT MAINTENANCE AND ACCESS ARE NOT BLOCKED. 7. MOUNT T'STAT WITHIN 5 FT OF RAG IF NOT SHOWN OTHERWISE ON THE PLANS.

FCU DETAIL - COMMON AREA WITH CEILING RETURN SCHEMATIC - NO SCALE



WALL LOUVER DETAIL

**GFD40ESCMWW** 

**EXHAUST LENGTH CALCULATION:** 

should be treated as a  $90^{\circ}$  elbow.

Dryers must be exhausted to the outside

obstruction with the opening pointed down

PLEASE CALL 1-800-GE-CARES.

is shown in the table.

to the side or bottom of dryer, add one turn.

A turn over  $45^\circ$  should be treated as a  $90^\circ$  elbow.

GE® 7.0 Cu. Ft. Capacity Frontload Dryer

DRYER EXHAUSTING INFORMATION -METAL DUCT ONLY

For complete information, see installation instructions packed with your dryer

**DUCTING MATERIALS:** For best performance, this dryer should be vented with 4" diameter

all rigid metal exhaust duct. If rigid metal duct cannot be used, then UL-listed flexible

with your dryer for complete instructions when using flexible metal (foil type) ducting.

1. Determine the number of  $90^{\circ}$  turns needed for your installation. If you exhaust

A turn of  $45^{\circ}$  or less may be ignored. Two  $45^{\circ}$  turns within the duct length

metal (semi-rigid) ducting can be used (Kit WX08X10077). In special installations, it may

be necessary to connect the dryer to the house vent using a flexible metal (foil-type) duct. A

UL-listed flexible metal (foil-type) duct may be used ONLY in installations where rigid metal or

flexible metal (semi-rigid) ducting cannot be used AND where a 4" diameter can be maintained

throughout the entire length of the transition duct. Please see installation instruction packed

2. The maximum length of 4' rigid (aluminum or galvanized) duct which can be tolerated

**CAUTION:** For personal safety do not terminate exhaust into a chimney, under any enclosed

house floor (crawl space), or into an attic, since the accumulated lint could create a fire hazard

or moisture could cause damage. Never terminate the exhaust into a common duct or plenum

with a kitchen exhaust, since the combination of lint and grease could create a fire hazard. Exhaust ducts should be terminated in a dampered wall cap to prevent back drafts, bird

nesting, etc. The wall cap must also be located at least 12" above the ground or any other

SCHEMATIC - NO SCALE

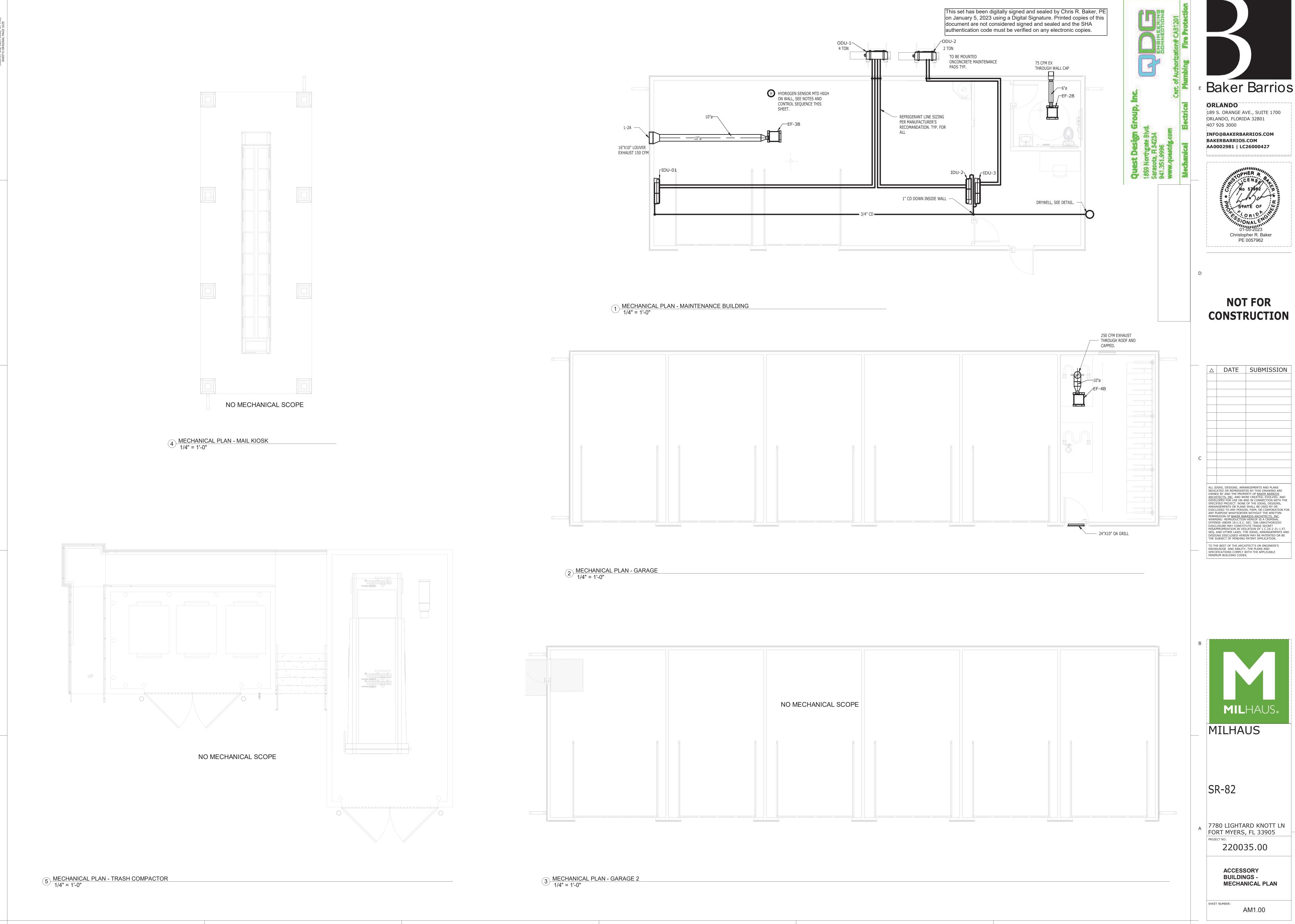
FOR MORE INFORMATION ON VENTING KITS AND ACCESSORIES,

/ SCHEMATIC - NO SCALE

1. DUCT CONFIGURATION SHOWN IS GENERAL. CONFIGURE DUCT AS NEEDED TO ACCOMMODATE SPACE PROVIDED. 2. PROVIDE RECTANGULAR SUPPLY AIR ELBOW WITH TURNING VANES, 3. LINE SUPPLY DUCT FIRST 10 FEET FROM UNIT U.N.O.. 4. SUPPLY DUCT DISCHARGE ELBOW SHALL TURN IN THE DIRECTION OF FAN ROTATION. 5. DO NOT BLOCK FILTER PULL WITH CONDENSATE DRAIN PIPE. 6. OA AND RA DUCT SHALL BE INSTALLED SO THAT MAINTENANCE AND ACCESS ARE NOT BLOCKED. 7. MOUNT T'STAT WITHIN 5 FT OF RAG IF NOT SHOWN OTHERWISE ON THE PLANS. 8. DUCTS PENETRATING RATED WALLS SHALL BE PROTECTED WITH FIRE DAMPERS. DUCTS PENETRATING NON-RATED WALLS DO NOT NEED DAMPERS. SEE FLOOR PLANS AND ARCH. LIFE SAFETY PLANS.

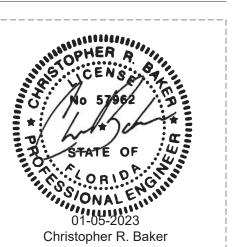
WALLS, OTHERWISE

FCU DETAIL - COMMON AREA WITH SIDEWALL RETURN / SCHEMATIC - NO SCALE



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## **NOT FOR**

△ DATE SUBMISSION

7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

220035.00

ACCESSORY BUILDINGS -MECHANICAL PLAN

AM1.00

				MULTI V INC	OOR UNIT EQUIP	MENT SCH	IEDULE					
Location	Tog	Model Name	Typo	Quantity	Corrected Capaci	ty (BTU/h)	Air flow rate(CFM)			Power Supply		Sound Power Leve
Location	Tag	woder Name	Туре	Quantity	Total Cooling	Heating	All flow fate(CFM)	Volts	Phase	Hz	RLA (A)	Souria Power Leve
SEE PLANS	IDU-1,2	ARNU243SKA4	WALL MOUNTED	2	24200	25600	537/449/371	208~230V	1Ph	60Hz	0.52	46.0
SEE PLANS	IDU-3	ARNU183SKA4	WALL MOUNTED	1	19100	21500	494/424/371	208~230V	1Ph	60Hz	0.52	43.0

ndoor	units	with	the	Future	IDU	option	selected	are	displaye	ed in	gray	text.

									MUL	_TI V OUTDOOF	R UNIT EQUIPMENT SCH	EDULE - AIR										
Location	TAG	MANUFACTURER	Model Name	Turno	Quantity	Corrected Cap	pacity (BTU/h)	Outo	door Temperature	e(°F)	Effici	ency	Defrigerent	Pip	ing Connecti	ons (inch)		Power Sup	pply			Sound Dower Lovel
Location	TAG	MANUFACTURER	Model Name	Туре	Quantity	Total Cooling	Total Heating	Cooling DBT	Cooling WBT	Heating DBT	Cooling IEER (SEER)	Heating COP (HSPF)	Refrigerant	Liquid	LP Gas	HP Gas	Volts	Phase	Hz	MCA (A)	MOP (A)	Sound Power Level
GROUND	ODU-1	LG	ARUM048GSS5	MULTI V S	1	48000	54000	95.0	75.0	-10.0	17.0 (SEER)	10.0 (HSPF)	R410A	3/8	3/4	NOT USED	208~230V	1Ph	60Hz	24.0	40.0	54.0
GROUND	ODU-2	LG	ARUN024GSS4	MULTI V S	1	24000	27000	95.0	75.0	-10.0	17.0 (SEER)	10.0 (HSPF)	R410A	3/8	5/8	NOT USED	208~230V	1Ph	60Hz	19.6	30.0	50.0

\*IEER/COP is based on Non-Ducted, AHRI 1230 Standard.

- ELECTRICAL DISCONNECT BY CONTRACTOR DO NOT MOUNT ON UNIT OR PREVENT SERVICE ACCESS ALL PANELS ARE REMOVABLE

- SECURE UNIT TO STRUCTURE AS REQUIRED BY MANUFACTURER AND LOCAL CODES

		L	OUVER	SCHED	JLE			
EQUIPMENT TAG	MODEL	AREA SERVED	MANUFACTURER	CFM	WT.(LBS)	SIZE W"XH"	FREE AREA SQFT	FRAME
L-2A	ESD-435X	MAINTENANCE	GREENHECK	150	4	16"X10"	0.3	FLANGE
NOTES		1. COLOR AND F	FINISH TO BE SELEC	CTED BY OWNER				

						EXHA	UST FA	N SCI	HEDUL	E								
			GENERAL						F	AN				ELEC	ΓRICAL			
EQUIPMENT	LOCATION AREA SERVED MANUFACTURE R MODEL FAN TYPE SONES DAMPER SIZE (IN.) CFM DRIVE ESP. (INCHES)										МО	TOR	DACA.	MOCD	DUACE	VOLTS	CONTROLS	NOTES
TAG	LOCATION	AKEA SEKVED	R	MODEL	FAN TYPE	SUNES	(IN.)	CFIVI	DRIVE	(INCHES)	НР КРК	RPM	MCA	MOCP	PHASE	VOLTS		
EF-2B	CEILING	SEE PLANS	GREENHECK	SP-LP0511	CENTRIFUGAL FORWARD	1.4	6"ø	75	DIRECT	0.50	1/10	831	0.43	20	1	115	CONTINUOUS OPERATION	1,2,4,5,6,9,14
EF-3B	CEILING	SEE PLANS	GREENHECK	SP-A200	CENTRIFUGAL FORWARD	3.5	8"ø	150	DIRECT	0.50	1/10	900	0.6	20	1	115	CONTINUOUS OPERATION	1,2,4,5,6,9,14
EF-4B	CEILING	SEE PLANS	GREENHECK	SP-A700-VG	CENTRIFUGAL FORWARD	4.5	8"X8"	250	DIRECT	0.50	1/10	1129	5.1	20	1	115	CONTINUOUS OPERATION	1,2,4,5,6,9,14

NOTES

1. SINGLE POINT WIRING CONNECTION

2. EXHAUST TERMINATION SHALL BE AT LEAST 15'-0" FROM ANY O.A.I. OPENING

NOT USED
 PROVIDE GRAVITY BACKDRAFT DAMPER

4. PROVIDE GRAVITY BACKDRAFT DAMPER5. PROVIDE UNIT MOUNTED NEMA1 DISCONNECT

7. PROVIDE SPARE BELT SET8. PROVIDE VIBRATION ISOLATORS9. PROVIDE INLET, OUTLET AND BELT GUARDS10. PROVIDE INLET AND OUTLET FLEX DUCT CONNECTIONS

6. PROVIDE ROOF CURB

12. PROVIDE FAN MOUNTED SPEED CONTROL 13. PROVIDE BELT TENSION ROTARY

11. PROVIDE HINGED SUB BASE

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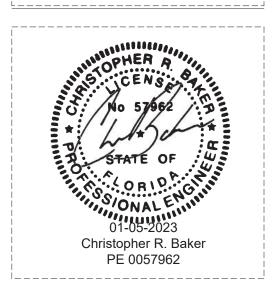


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# NOT FOR CONSTRUCTION

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MILHAUS<sub>®</sub>

SR-82

A 7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

220035.00

MECHANICAL SCHEDULES

SHEET NUMBER:

AM2.00

NOTES:

1. CONDENSATE CANNOT SPILL ON A PAVED SURFACE. IT MUST BE DIRECTED ONTO GRADE OR IF THERE IS NOT A DIRECT METHOD TO SPILL ONTO GRADE THEN PIPE SHALL BE DIRECTED UNDERGROUND AND ROUTED BELOW THE PAVED SURFACE (SIDEWALK, ETC.) AND SPILL INTO A DRY WELL AS SHOWN IN THIS DETAIL.

2. COORDINATE WITH THE STRUCTURAL FOUNDATION PLAN AND INSTALL CONDENSATE DRAIN LINE DURING FOUNDATION CONSTRUCTION.

3. COORDINATE LOCATION OF EACH DRY WELL WITH ARCHITECT/CIVIL ENGINEER.

DRYWELL & CONDENSATE DRAIN DETAIL

GRAVEL OR SAND FILL

SCHEMATIC - NO SCALE

IF 208/230 V, THE DISCONNECT IS 2 POLE. IF 120V, DISCONNECT IS BY ELECTRICAL **FAN MOTOR** SINGLE POLE-120V, 208V, 230V CONTROL **POWER** TRANSFORMER DAMPER HYDROGEN MOTOR AT SENSOR INTAKE HOA SENSOR -SENSOR LOUVER/DUCT **SWITCH** CONTACT POWER-EF-M, NEMA 100 NOTE 4 STARTER LOCATED ON WALL IN ROOM

NOTES/SEQUENCE OF OPERATION - CART STORAGE ROOM HYDROGEN VENTILATION:

- EF-M SHALL BE ENERGIZED BY A WALL MOUNTED, HYDROGEN SENSOR OR A SWITCH AS INDICATED BY "H-O-A" SWITCH. SENSOR SHALL BE LOW VOLTAGE TYPE (24V).
   ASSOCIATED INTAKE LOUVER SHALL BE PROVIDED WITH A MOTOR OPERATED DAMPER THAT SHALL
- OPEN WHEN FAN IS ENERGIZED. MOD SHALL FAIL CLOSED.

  3. ALL WIRING SHALL BE IN CONDUIT. PROVIDE TRANSFORMER AS NEEDED.

  4. PROVIDE A 60 SECOND TIME DELAY RELAY THAT WILL ALLOW DAMPER MOTOR (MOD) TO OPEN
- BEFORE FAN OPERATES.
  5. SEE HYDROGEN EXHAUST SYSTEM NOTES ON THIS SHEET FOR ADDITIONAL INFO.
- 3 CONTROL SCHEMATIC MAINTENANCE ROOM VENTILATION SCHEMATIC NO SCALE

HOOD, CAULK AROUND HOOD,
ANCHOR IN CORNERS TO
BUILDING WITH STAINLESS
STEEL SCREWS.

GROUT AROUND OUTSIDE OF
SLEEVE WEATHER PROOF
CALUK ON INSIDE OF SLEEVE.
COLOR TO MATCH BUILDING.
COORD. WITH ARCH.

EXTERIOR WALL

RS, RL, & CONTROL WIRING TO
CONDENSING UNIT. ONE
LINESET PER OPENING

3" MAX, PVC OR METAL
SLEEVE. MOUNT 6"-8"
ABOVE GRADE

 $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$ 

REFRIGERANT LINESET THRU EXTERIOR WALL DETAIL

SCHEMATIC - NO SCALE

—IF RATED, PROVIDE 1 HR FIRESTOP AROUND FULL PERIMETER OF TOP PLATE PENETRATION. —4"Ø UNDEFORMED DRYER VENT, MIN 26 GAUGE, ROUTE TO DRYER EXHAUST VENT (WALL CAP/HOOD) ON OUTSIDE WALL STAINLESS STEEL RADIATOR STYLE CLAMP —IF LOCATED IN A 1 HR RATED WALL CONNECTOR. CLAMP CAN PROVIDE 1 HR FIRESTOP AROUND FULL BE LOOSENED AND PERIMETER OF BOX TO PIPE TRANSITION. FLEXIBLE HOSE REMOVED FOR CLEAN-OUT-★ 5.5" DEEP, PROVIDE SCREW FLANGE TO FIRRING STRIPE AS WALL STUDS, MIN. 3 NECESSARY TO SCREWS PER SIDE-ACHIEVE ADEQUATE DEPTH FOR DWB FLEXIBLE DRYER VENT -MIN. 26 GAUGE METAL HOSE FOR CONNECTION BOX RECESSED IN STUD WALL, NOTE 5. TO DRYER-BASIS OF DESIGN WALL BOX IS 22 GAUGE 1. DRYER BOX SHALL NOT BE LOCATED IN A DEMISING WALL.

2. DRYER BOXES LOCATED IN 1 HR FIRE RATED WALLS SHALL BE UL RATED TO BE INSTALLED IN A 1

6. FOR STAND ALONE DRYERS MOUNT BOX SUCH THAT TOP IS 30" AFF OR 6" BELOW TOP OF DRYER.

7. FOR STACKED DRYERS, MOUNT BOX SUCH THAT TOP OF BOX IS 36" BELOW CEILING OR 6" BELOW

HR RATED WALL. FOLLOW MANUFACTURER'S INSTRUCTIONS ON MAINTAINING WALL RATING.

5. DWB SHALL BE LOCATED IN 2x6 FRAMED WALLS. COORDINATE WITH ARCHITECT AND FLOOR

3. DRYER BOX SHALL BE PREFABRICATED AND MADE STEEL.

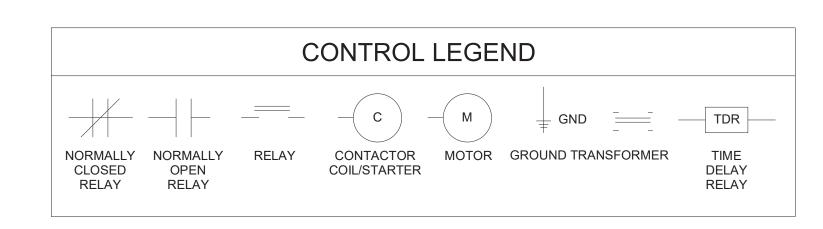
PLANS. BASIS OF DESIGN: CONSTRUCTION SOLUTIONS DBX1000-6.

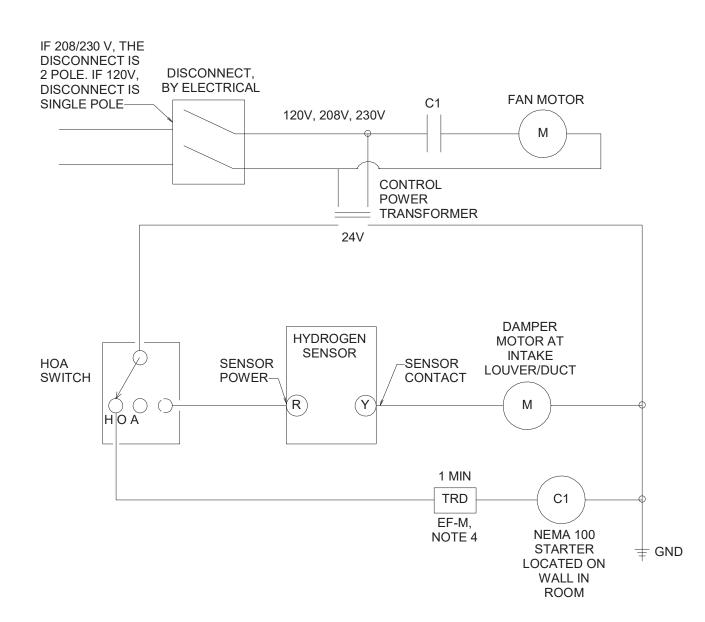
4. DIMENSIONS OF BOX ARE APPROXIMATE.

4 DRYER WALL BOX DETAIL SCHEMATIC - NO SCALE

TOP OF DRYER.

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 ASSOCIATED INTAKE LOUVER SHALL BE PROVIDED WITH A MOTOR OPERATED DAMPER THAT SHALL OPEN WHEN FAN IS ENERGIZED. MOD SHALL FAIL CLOSED.
 ALL WIRING SHALL BE IN CONDUIT. PROVIDE TRANSFORMER AS NEEDED.
 PROVIDE A 60 SECOND TIME DELAY RELAY THAT WILL ALLOW DAMPER MOTOR (MOD) TO OPEN BEFORE FAN OPERATES.

CONTROL SCHEMATIC - MAINTENANCE ROOM VENTILATION
SCHEMATIC - NO SCALE

5. SEE HYDROGEN EXHAUST SYSTEM NOTES ON THIS SHEET FOR ADDITIONAL INFO.

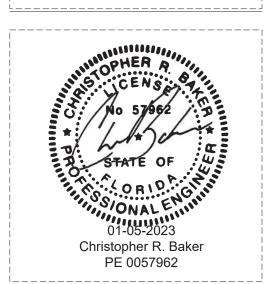




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SR-82

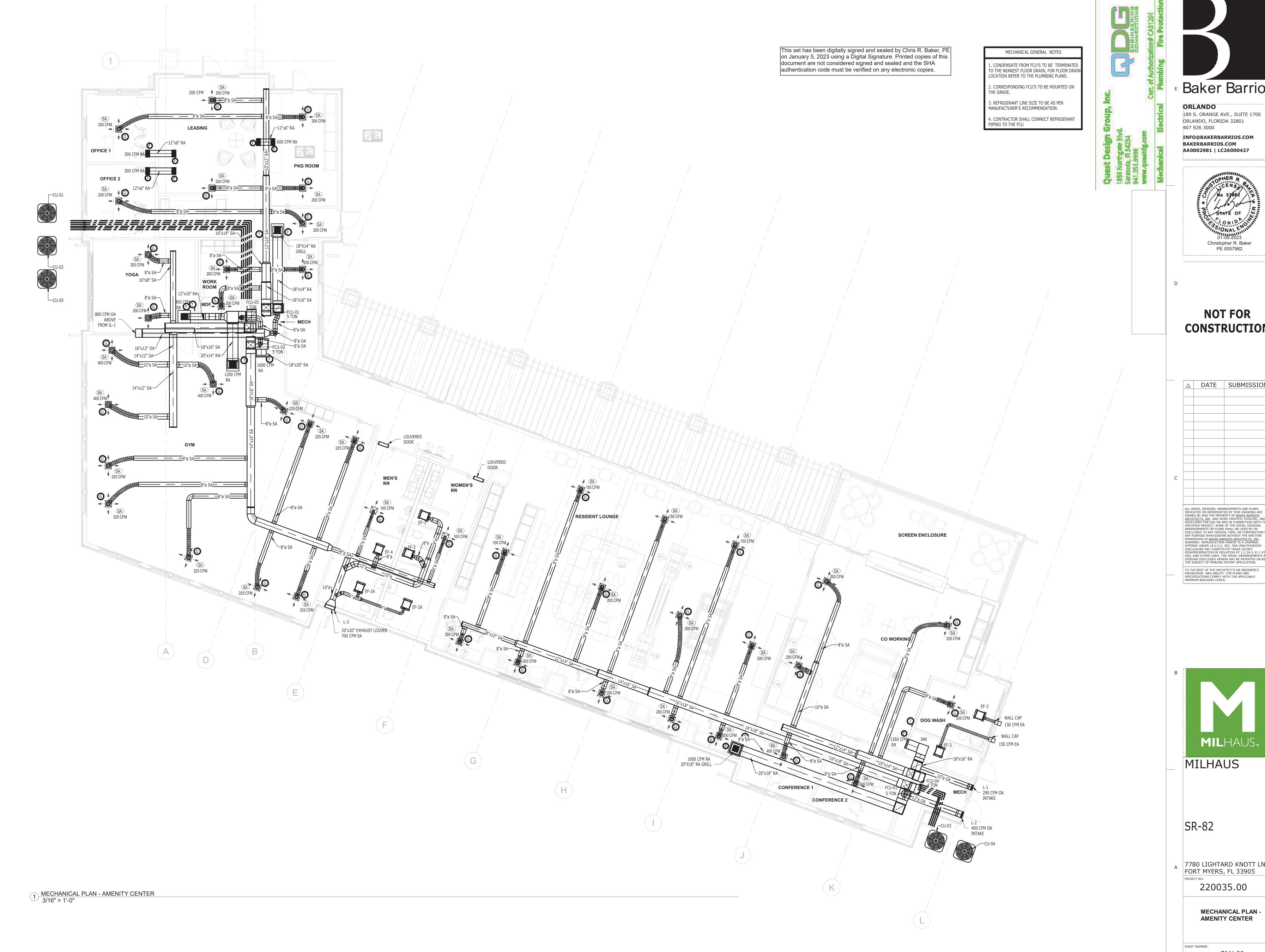
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220035.00

**MECHANICAL** 

DETAILS

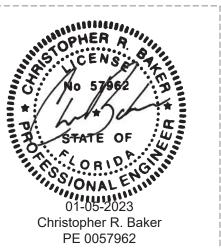
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7780 LIGHTARD KNOTT LN FORT MYERS, FL 33905

220035.00

MECHANICAL PLAN -AMENITY CENTER

CM1.00

	DUCT INSULATION SCHE	DULE	
	B001 1100E/111011 0011E		
DUCT TYPE	DUCT LOCATION	INSULATION TYPE	NOTES
SUPPLY	ATTIC OR TOP FLOOR/CEILING ASSEMBLY	DUCTWRAP, R-5.6	1,2
RETURN	ATTIC OR TOP FLOOR/CEILING ASSEMBLY	DUCTWRAP, R-5.6	1,2
SUPPLY	ABOVE CEILING, UNO	DUCTWRAP, R-4.2	1,2
RETURN	ELSEWHERE, UNO	NONE	
OUTDOOR AIR	EVERYWHERE, UNO	DUCTWRAP, R-4.2	1,2,4
APARTMENT DUCTWORK			1,2,3
EXHAUST	ANYWHERE EXCEPT APARTMENTS	DUCTWRAP, R-4.2	1,2,4
ANY	OUTDOORS	R-VALUE = 4.0/INCH, RIGID BOARD, 2" THICK, POLYSTYRENE, ALUMINUM JACKET, SEE DETAIL 1/M0.05	

1. DUCT INSULATION CHARACTERISTICS SHALL BE AS NOTED IN HVAC GENERAL NOTES. 2. INSULATION THICKNESS AND DENSITY CAN VARY. R VALUES MUST BE MET OR EXCEEDED. R-VALUES ARE INSTALLED VALUES (BASED ON

INSTALLED THICKNESS). 3. APARTMENT TRUNK DUCTWORK IS FIBERGLASS DUCTBOARD. DRYER AND TOILET EXHAUST ARE SHEET METAL. SEE HVAC GENERAL

NOTES FOR DUCT DESCRIPTIONS. 4. INSULATE PLENUMS ASSOCIATED WITH (OR BEHIND) WALL LOUVERS AND LINEAR SLOT DIFFUSERS 5. EXPOSED DUCT IS DUCT BELOW THE CEILING OR NOT COVERED UP BY A CEILING/DROPPED CEILING.

			T	204	ZU FI	56 I		LATIO						
			Az	Ra	Rp	Pz	ORDINANO	CE REQUIRED	ACTUA	L MINIMUM P		EQUIPMENT	SERVING	
ROOM#	ROOM NAME	OCCUPANCY TYPE		(CFM/SF)	(CFM / PERSON	# OF PEOPLE	O.A.I. CFM	EXHAUST CFM	SUPPLY CFM	O.A.I. CFM	EXHAUST/ RETURN CFM	SUPPLY FAN	EXHAUST FAN	Remarks
AMENITY B	UILDING													
001	OFFICE 1	OFFICES	125	0.06	5	3	23	-	200	25	300	FCU-01	-	
002	OFFICE 2	OFFICES	125	0.06	5	3	23	-	200	25	300	FCU-01	-	
003	LEASING	LOBBY	470	0.06	7.5	8	88	-	400	90	600	FCU-01	-	
004	PKG ROOM	STORAGE	199	0	10	3	30	-	400	30	600	FCU-01	-	
005	MULTI-USE YOGA	HEALTH CLUB	218	0.06	20	3	73	-	400	100	-	FCU-05	-	
006	WORK ROOM	OFFICES	177	0.06	5	2	21	-	200	25	-	FCU-01	-	
007	MDF	STORAGE	55	-	-	-	-	-	200	-	-	-	-	
800	MECH	STORAGE	55	-	-	-	-	-	-	-	-	-	-	
009	GYM	GYM	1478	0.06	15	14	299	-	3200	300	-	FCU-02,FCU-05	-	
010	MEN'S RESTROOM	TOILET ROOM	230	-	-	-	-	-	100	-	250	FCU-02	EF-2, EF-4	
011	WOMEN'S RESTROOM	TOILET ROOM	229	-	-	-	-	-	100	-	300	FCU-02	EF-2, EF-3	
012	RESIDENTIAL LOUNGE	MULTIPERPOSE ASSEMBLY	1783	0.06	7.5	20	257	-	2000	260	1600	FCU-03	-	
013	COWORKING	OFFICES	685	0.06	5	12	101	-	400	105	1260	FCU-04	-	
014	JANITOR	STORAGE	25	-	-	-	-	-	-	-	-	-	-	
015	DOG WASH	ANIMAL AREAS	147	0.18	7.5	2	41	-	200	45	-	FCU-04	EF-3	
017	MECH	STORAGE	70	-	-	-	-	-	-	-	-	-	-	
018	CONFERENCE 1	CONFERENCE ROOM	139	0.06	5	6	38	-	200	40	-	FCU-04	-	
019	CONFERENCE 2	CONFERENCE ROOM	139	0.06	5	6	38	-	200	40	-	FCU-04	-	

DIRECT

DIRECT

DIRECT

0.50

	3	Sar Sar
CONTROLS	NOTES	
WALL MOUNTED SWITCH	1,2,3,4,11	

1,2,3,4,11

1,2,3,4,11

WALL MOUNTED SWITCH

WALL MOUNTED SWITCH

<u>NOTES</u>

**EQUIPMENT** 

TAG

EF-2A

EF-3

EF-4

LOCATION

CEILING

CEILING

CEILING

1. SINGLE POINT WIRING CONNECTION 2. EXHAUST TERMINATION SHALL BE AT LEAST 15'-0" FROM ANY O.A.I. OPENING

**AREA SERVED** 

SEE PLANS

SEE PLANS

SEE PLANS

**GENERAL** 

MODEL

SP-LP0511

SP-A200

SP-A700-VG

MANUFACTURE

GREENHECK

GREENHECK

GREENHECK

3. PROVIDE GRAVITY BACKDRAFT DAMPER

4. PROVIDE UNIT MOUNTED NEMA1 DISCONNECT

5. PROVIDE ROOF CURB

8"X8"

DAMPER SIZE

6"ø

8"ø

SONES

4.5

CENTRIFUGAL FORWARD

CENTRIFUGAL FORWARD

CENTRIFUGAL FORWARD

6. PROVIDE SPARE BELT SET 7. PROVIDE VIBRATION ISOLATORS

**EXHAUST FAN SCHEDULE** 

8. PROVIDE INLET, OUTLET AND BELT GUARDS

9. PROVIDE INLET AND OUTLET FLEX DUCT CONNECTIONS

150

250

10. PROVIDE HINGED SUB BASE

**ELECTRICAL** 

MCA MOCP PHASE VOLTS

900

1129

0.6

11. PROVIDE FAN MOUNTED SPEED CONTROL

12. PROVIDE BELT TENSION ROTARY

							COI	NDEN	SINC	G UNIT S	CHEDU	LE											
				GENERAL								CONDENSE	R FAN				COOLI	NG		ELEC	TRICAL		
FOUNDAMENT TAC	LOCATION	LIAUT CERVER	AAANUEACTURER	MODEL	WEIGHT	DIMENS	IONS (INCH	IES)	TONG	REFRIGERANT	OLIANITITY	CENA	MOTOR	DD\$4	TOTAL	EAT (°	LAT (°	REFRIGERANT	2462	1406D	DUACE	VOLTS	NOTES
EQUIPMENT TAG	LOCATION	UNIT SERVED	MANUFACTURER	MODEL	(LBS.)	LENGTH	HEIGHT	WIDTH	TONS	ТҮРЕ	QUANTITY	CFM	MOTOR	RPM	(MBH)	F)	F)	WEIGHT (LBS.)	MCA	MOCP	PHASE	VOLTS	
CU-01	GROUND	AMENITY	CARRIER	GA5SAN46000W	214	31	38	31	5.0	PURON	1	2000	0.10	1100	60.00	80	60	6.0	33.4	50	1	208	1 THRU 8
CU-02	GROUND	AMENITY	CARRIER	GA5SAN46000W	214	31	38	31	5.0	PURON	1	2000	0.10	1100	60.00	80	60	6.0	33.4	50	1	208	1 THRU 8
CU-03	GROUND	AMENITY	CARRIER	GA5SAN46000W	214	31	38	31	5.0	PURON	1	2000	0.10	1100	60.00	80	60	6.0	33.4	50	1	208	1 THRU 8
CU-04	GROUND	AMENITY	CARRIER	GA5SAN44800W	181	31	38	31	4.0	PURON	1	1600	0.10	1100	48.00	80	60	6.0	32.8	50	1	208	1 THRU 8
CU-05	GROUND	AMENITY	CARRIER	GA5SAN44800W	181	31	38	31	4.0	PURON	1	1600	0.10	1100	48.00	80	60	6.0	32.8	50	1	208	1 THRU 8

NOTES 1. CONTRACTOR TO PROVIDE MANUFACTURER RECOMMENDED EVAPORATOR COIL. 2. PROVIDE MINIMUM 12" CLEARANCE FROM WALL WHEN INSTALLING AND SIZING WALL MOUNT 3. PROVIDE NEMA 3R DISCONNECT SWITCH

4. PROVIDE WITH VIBRATION ISOLATORS, COMPRESSOR WRAP AND SOUND SHIELD

5. PROVIDE HEAVEY DUTY PAINTED STEEL WALL MOUNT SYSTEM CAPABLE OF SUPORTING THE UNITS 6. PROVIDE ADDITIONAL REFRIGERANT FOR LINE LENGTH COMPENSATION PER MFR RECOMMENDATIONS

7. PROVIDE HARD SHUT-OFF TXV AND HARD START KIT

8. PROVIDE CRANK CASE HEATERS AND COMPRESSOR START ASSIST CAPACITER AND RELAY

AIR BALANCE TABLE								
EQUIPMENT	OUTSIDE AIR	EXHAUST						
IF-1	800							
L-1	290							
L-2	400							
EF-2A		150						
EF-3		600						
EF-4		250						

DIFFERENCE

TAG	MANUFACTURER MODEL DESCRIPTION		NOTES	ACC	
Α	A HART & COOLEY	682	2-WAY STAMPED FACE, 1/2" SPACED FINS	1-6	1,3
В	B HART & COOLEY	683	3-WAY STAMPED FACE, 1/2" SPACED FINS	1-6	1,3
С	C HART & COOLEY	RHD45	3/4 INCH HORIZONTAL BARS SPACED AT 45° ANGLE WITH MVD	1-6	2
D	D HART & COOLEY	RH45	3/4 INCH HORIZONTAL BARS SPACED AT 45° ANGLE WITHOUT MVD	1-6	-
Е	TITUS	350RL	3/4" BLADE SPACING, 35° DEFLECTION	1-6	-
F	TITUS	50F	ALUMINUM EGGCRATE GRILLE 1/2"x1/2"x1/2"	1-6	-
G	TITUS	TMCA-AA	ALUMINIUM ADJUSTABLE 3-CONE DIFFUSER	1-6	2-5
Н	TITUS	300RL	DOUBLE DEFLECTION GRILLE, 3/4 IN. BLADE SPACING	1-6	2,3

GRILLES, REGISTERS, & DIFFUSERS

I. REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF CEILING AND SUSPENSION SYSTEM. COLOR SELECTION BY

ARCHITECT DURING SUBMITTAL REVIEW. 2. DIFFUSERS SHALL HAVE A BAKED ENAMEL FINISH.

3. RUNOUTS TO GRDS SHALL BE THE SAME SIZE AS NECK UNLESS OTHERWISE NOTED. IF NECK IS RECTANGULAR AND RUNOUT IS ROUND OR VICE VERSA, PROVIDE TRANSITION. 4. NOISE CRITERIA (NC) SHALL NOT BE GREATER THAN 30 AT CFM INDICATED ON DRAWINGS.

5. MAXIMUM STATIC PRESSURE DROP THROUGH GRILLE SHALL NOT BE GREATER THAN 0.07" W.C. 6. BASIS OF DESIGN: AS NOTED. EQUALS BY NAILOR, US AIRE, PRICE, KRUEGER.

ACCESSORIES:

1. MVD SHALL BE OPPOSED BLADE AND ADJUSTABLE FROM INTEGRAL CONTROLLER MTD ON FACE. 2. MVD SHALL BE OPPOSED BLADE AND REQUIRE SCREWDRIVER ADJUSTMENT THRU FACE.

3. PROVIDE WITH MATCHING CRD WHEN INSTALLED IN RATED CEILING. SEE FLOOR PLANS FOR LOCATIONS AND CRD DETAILS. 4. PROVIDE PATTERN CONTROLLERS FOR ADJUSTMENT TO VERTICAL AND HORIZONTAL AIR DISCHARGE.

5. PROVIDE FACTORY INSTALLED INSULATION ON BACKSIDE OF DIFFUSER.

LOUVER SCHEDULE										
EQUIPMENT TAG	MODEL	AREA SERVED	MANUFACTURER	CFM	WT.(LBS)	SIZE W"XH"	FREE AREA SQFT	FRAME		
L-1	EVH-302	AMENITY BUILDING	GREENHECK	290	7	14"X14"	0.3	FLANGE		
L-2	EVH-302	AMENITY BUILDING	GREENHECK	140	8	18"X14"	0.5	FLANGE		
L-3	ESD-635X	AMENITY BUILDING	GREENHECK	700	9	20"X20"	0.9	FLANGE		
IL-1	EHH-601-PD	AMENITY BUILDING	GREENHECK	800	92	16"X16"	2	FLANGE		
NOTES 1. COLOR AND FINISH TO BE SELECTED BY OWNER										

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> STRAIGHT ELECTRIC SPLIT SYSTEMS GENERAL ELECTRICAL HEATING MIN. ELECTRICAL STRIP NOTES **UNIT WEIGHT** MAXIMUM ESP. VOLTS LOCATION | AREA SERVED | SYSTEM TYPE MODEL UNIT TYPE MCA | MOCP | PHASE | **HEAT CAPACITY** (LBS.) CFM (INCHES) HEIGHT | LENGTH | WIDTH | HP RPM (KW@208V) 25 | 22 | 2000 | 0.50 | 3/4 | 500-115 | 52.8/57.5 | 60/60 FCU-01 FJNF061 VERTICAL 208 14.3 10 1,2,3,4,5 SEE PLANS CONSTANT 25 | 22 | 2000 | 0.50 | 3/4 | 500-115 | 52.8/57.5 | 60/60 CARRIER 208 10 FCU-02 SEE PLANS **AMENITY** FJNF061 VERTICAL 1,2,3,4,5 CONSTANT 25 22 2000 0.50 3/4 500-115 52.8/57.5 60/60 208 FCU-03 SEE PLANS AMENITY CARRIER FJNF061 VERTICAL 14.3 10 1,2,3,4,5 VOLUME 25 22 1600 0.50 3/4 <sup>500-115</sup> 52.8/57.5 60/60 CONSTANT FCU-04 SEE PLANS **AMENITY** CARRIER FJNF049 VERTICAL 208 14.3 10 1,2,3,4,5 VOLUME 25 22 1600 0.50 3/4 <sup>500-115</sup> 52.8/57.5 60/60 CONSTANT FCU-05 SEE PLANS **AMENITY** CARRIER FJNF049 VERTICAL 190 208 14.3 10 1,2,3,4,5

1. PROVIDE MANUFACTURER RECOMMENDED FILTER RACK AND ADDITIONAL SET OF AIR FILTERS

2. PROVIDE NECESSARY VIBRATION ISOLATION

NOTES

3. PROVIDE SECONDARY STAINLESS STEEL DRAIN PAN

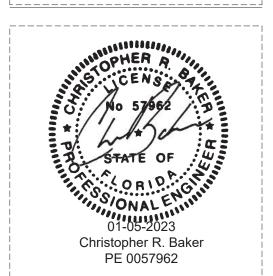
VOLUME

4. PROVIDE MIXING BOX INTERLOCK WITH TIME CLOCK OVER-RIDE. COORDINATE WITH GC.

5. PROVIDE MFR'S RECOMMENDED TXV VALVE AND SUCTION LINE BULB STRAPPING.

Baker Barrios

ORLANDO 189 S. ORANGE AVE., SUITE 1700 ORLANDO, FLORIDA 32801 407 926 3000 INFO@BAKERBARRIOS.COM BAKERBARRIOS.COM AA0002981 | LC26000427



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SEQ. AND OTHER LAWS. THE IDEAS, ARRANGEMENTS AND
DESIGNS DISCLOSED HEBEIN MAY BE PATENTED OR BE

DESIGNS DISCLOSED HEREIN MAY BE PATENTED OR BE THE SUBJECT OF PENDING PATENT APPLICATION. TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE AND ABILITY, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

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220035.00

**MECHANICAL** SCHEDULES

CM2.00

This set has been digitally signed and sealed by Chris R. Baker, PE on January 5, 2023 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

 $\forall$   $\forall$   $\forall$   $\forall$   $\forall$   $\forall$   $\forall$ 

 $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$   $\psi$ 

SEE NOTE 4.

1. THIS DETAIL IS FOR A DRAW-THRU UNIT. CONTACT ENGINEER FOR A DIFFERENT TRAP

4. FOR COMMON AREA FCUs OR UNITS WITH A DUCTED RETURN & NO EXTERIOR DRAIN

5. FOR APARTMENT FCUs & RTUs: PROVIDE A 24V, PLENUM RATED CLIP-ON TYPE SWITCH

EQUAL TO RECTORSEAL SAFE-T-SWITCH SS500EP IN UNIT DRAIN PAN IN LIEU OF

6. FOR COMMON AREA FCUs WITH A DUCTED RETURN & WITH AN EXTERIOR DRAIN PAN:

PROVIDE A 24V. PLENUM RATED CLIP-ON TYPE SWITCH EQUAL TO RECTORSEAL SAFE-

T-SWITCH SS500EP IN EXTERIOR DRAIN PAN IN LIEU OF SECONDARY DRAIN OUTLET

MOUNTED SWITCH DESCRIBED IN NOTE 4 & IN LIEU OF NOTE 5 MOUNTED IN INTERIOR

PAN: PROVIDE 24V, PLENUM RATED OVERFLOW SHUT OFF FLOAT SWITCH IN

INTERLOCK WITH UNIT TO SHUT DOWN UPON DETECTION OF CONDENSATE.

SECONDARY DRAIN OUTLET MOUNTED SWITCH DESCRIBED IN NOTE 4.

SECONDARY DRAIN OUTLET EQUAL TO RECTORSEAL 83417 ALL ACCESS AA2P.

2. MINIMUM DRAIN FOR UNITS 5 TONS AND LESS SHALL BE 1". DRAINS FOR UNITS

CONFIGURATION IF A BLOW-THRU UNIT IS USED.

CONDENSATE TRAP WITH FLOAT SWITCH DETAIL

3. PIPE MATERIAL SHALL BE AS NOTED IN HVAC GENERAL NOTES.

GREATER THAN 5 TONS SHALL BE 1.25" UNO.

-APARTMENT FCU & RTU: OVERFLOW SWITCH LOCATED

-WIRING TO FCU CONTROLS TO SHUT DOWN UNIT.

—OPEN VENT WITH REMOVABLE COVER.

IN DRAIN PAN FOR FOR APARTMENT FCUs - SEE NOTE 5.

-NON APARTMENT FCU: OVERFLOW SWITCH LOCATED IN

TEE WITH EXTENDED NECK AND CAP FOR CLEANING TRAP.

SECONDARY OVERFLOW FOR NON-APARTMENT FCUs -

TRAP FOR APARTMENT UNITS IS A "RUNNING TRAP".

HOOD, CAULK AROUND HOOD, ANCHOR IN CORNERS TO **BUILDING WITH STAINLESS** 

GROUT AROUND OUTSIDE OF

CALUK ON INSIDE OF SLEEVE.

COLOR TO MATCH BUILDING.

RS, RL, & CONTROL WIRING TO

REFRIGERANT LINESET THRU EXTERIOR WALL DETAIL

CONDENSING UNIT. ONE

LINESET PER OPENING-

3" MAX, PVC OR METAL

SCHEMATIC - NO SCALE

COOLING

COIL

DRAIN PAN-/

DRAIN PAN.

SCHEMATIC - NO SCALE

CABINET-

SLEEVE. MOUNT 6"-8"

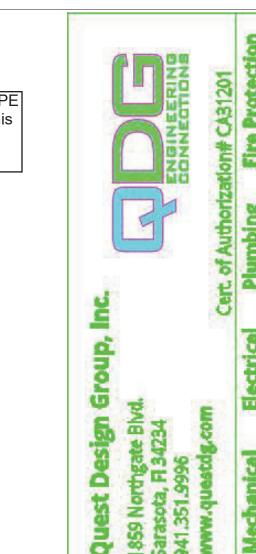
ABOVE GRADE—

SLEEVE WEATHER PROOF

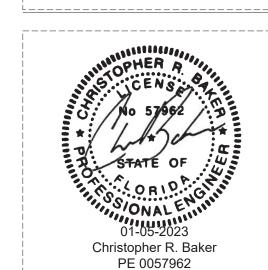
COORD. WITH ARCH.-

EXTERIOR WALL-

STEEL SCREWS.



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**MECHANICAL** 

**DETAILS** 

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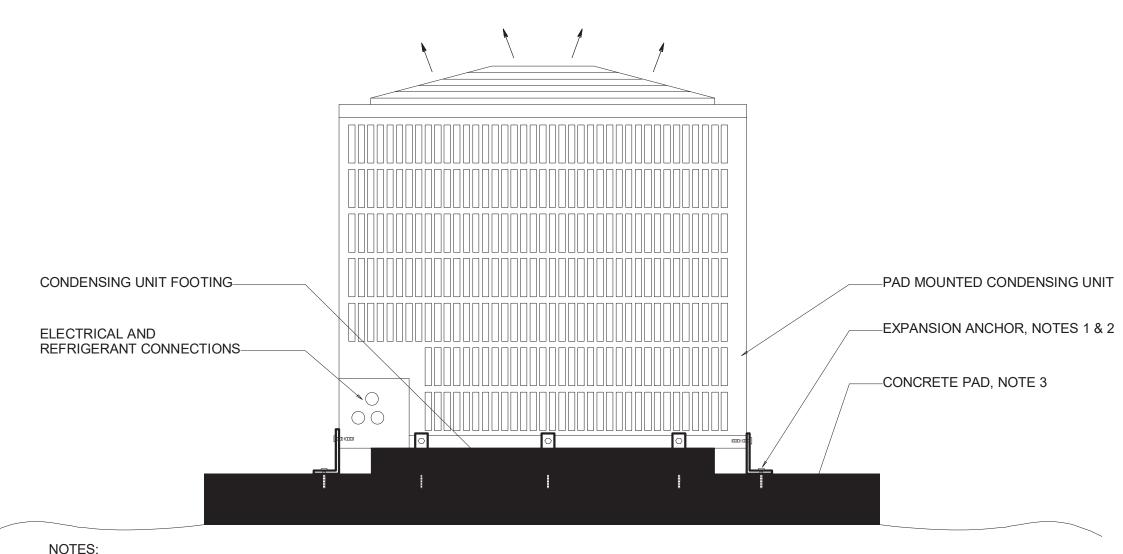
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-CONNECT FLEX DUCT TO SHEET METAL AND DIFFUSER NECK HANGER, NOTE 2-WITH NYLON (OR STAINLESS STEEL) TIES. FOR INSULATED 3'-0" MAX SPACING FLEX DUCT, CONNECT THE INTERIOR LINER AND EXTERIOR INSULATION WITH INDIVIDUAL TIES. USE A TENSIONING TOOL AS PER THE MANUFACTURER'S RECOMMENDATIONS. FLEX DUCT - MAX LENGTH SHALL NOT EXCEED 8'-0"-SUPPLY DUCT INSULATED SEE GRD SHEETMETAL SCHEDULE FOR **FACTORY** WITHOUT **FABRICATED** SCOOP INSULATION ZIP-TIE TO SECURE DUCT **BLANKET ON THE** TO DIFFUSER NECK BACKSIDE OF DIFFUSER-SUPPLY DIFFUSER CEILING

NOTE: 1. PROVIDE MVD AT DIFFUSER UNLESS NOTED OTHERWISE. MVD MAY BE PROVIDED AT BRANCH DUCT TAKEOFF INSTEAD

OF AT DIFFUSER ONLY IF LOCATED ABOVE ACCESSIBLE LAY-IN CEILING. 2. REFER TO TABLE 4-2 (MINIMUM HANGER SIZE FOR ROUND DUCT) IN SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE - SECOND EDITION" FOR STRAP OR ROD SIZE AND SPACING.

SUPPLY DUCT TAKE-OFF (COMMON AREAS) DETAIL SCHEMATIC - NO SCALE



1. GROUND MOUNTED UNITS SHALL BE ANCHORED WITH 1/4" DIAMETER EXPANSION ANCHOR MIN 1.125" MINIMUM EMBED DEPTH, SIMPSON EASY SET PIN DRIVE EXPANSION ANCHOR OR EQUAL. FOR UNITS WITH SIDES BETWEEN 24 AND 36 INCHES, THREE SCREWS SHALL BE USED AT EACH SIDE WITH MIN 4" BETWEEN ANCHORS. FOR UNITS GREATER THAN 36 INCHES OR 5 TONS, CONTACT ENGINEER.

2. ALL COMPONENTS SHALL BE ELECTRO-PLATED FOR CORROSION PROTECTION. PROVIDE A ZINC COATING TO ANY SURFACE SCRATCHED DURING CONSTRUCTION.

3. CONCRETE PAD SHALL BE 4" THICK MIN 3000 PSI STRENGTH AND 6" LARGER THAT UNIT IN ALL DIRECTIONS. PROVIDE REINFORCING WIRE IN CENTER OF PAD. 4. PROVIDE ADEQUATE CLEARANCES FOR CONDENSING UNITS PER MANUFACTURER'S INSTRUCTION.

5. ROUTE REFRIGERANT LINES TO FCUS THROUGH WALL SLEEVE. ROUTE LINESETS WHERE THEY WILL NOT CAUSE A NUISANCE, OBSTRUCTION, OR BE DAMAGED OR DISTURBED BY FOOT OR VEHICULAR TRAFFIC OR WEATHER. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

6. SEE GENERAL NOTES REGARDING LABELING OF UNITS. LABEL WITH UNIT (APT/TOWNHOME/CONDO) NUMBER.

GRADE MOUNTED CONDENSING UNIT DETAIL

SCHEMATIC - NO SCALE

INTEGRAL TO FCU-LINE VOLTAGE NEUTRAL OR LINE VOLTAGE CONTROL POWER TRANSFORMER 24V T'STAT T'STAT HEAT PUMP POWER-CONTACT \_T'STAT COOLING CONTACT OA MOD NORMALLY CLOSED

CONTROL LEGEND

COIL/STARTER

CONTACTOR MOTOR GROUND TRANSFORMER

1. UPON CALL A T'STAT CALL FOR COOLING, RELAY 1R SHALL CLOSE AND ENERGIZE OAD. 2. UPON CALL A T'STAT CALL FOR HEATING (COMPRESSOR), RELAY 2R SHALL CLOSE AND

ENERGIZE OA MOD. 3. OA MOD SHALL NOT BE ENERGIZED BY T'STAT "FAN ON" OR "FAN CONTINUOUS" MODE. ONLY ENERGIZE WHEN COMPRESSOR IS OPERATING.

1. CONTRACTOR SHALL RECOGNIZE THAT COMPONENTS ARE LOCATED SUCH THAT VOLTAGE DROP MAY BE AN ISSUE. SIZE WIRE TO MINIMIZE VOLTAGE DROP TO BE WITHIN ACCEPTABLE

2. T'STAT IS SPECIFIED IN SPLIT SYSTEM SCHEDULE ACCESSORIES 3. ALL COMPONENTS EXCEPT T'STAT SHALL BE LOCATED IN FCU CLOSET AND SHALL BE

4. OA MOD SHALL BE FAIL CLOSED/NORMALLY CLOSED TYPE, SPRING RETURN 5. WITH A STRAIGHT ELECTRIC HEAT SPLIT SYSTEM (I.E. NOT A HEAT PUMP) THE T'STAT

HEATING CONTACT SHALL ENERGIZE RELAY 1R.

6. CONTRACTOR SHALL WIRE ONE FCU AND VERIFY IT WORKS PROPERLY BEFORE PROCEEDING WITH OTHER UNITS. CONTACT ENGINEER IF PROBLEMS DEVELOP.

CONTROL SCHEMATIC - FCU OA MOD SCHEMATIC - NO SCALE

SEQUENCE OF OPERATION:

NOTES:

NORMALLY NORMALLY

CLOSED

RELAY

OPEN

RELAY

ALLOWANCES.

PLENUM RATED.

TDR \_

TIME

DELAY

RELAY

NOTE: THIS PROJECT

CONTAINS MULTIPLE

BE PERMITTED

**INCLUDES DETAILS** 

EACH BUILDING.

ASSOCIATED WITH ALL

NOT BE APPLICABLE TO

BUILDINGS, BUT EACH

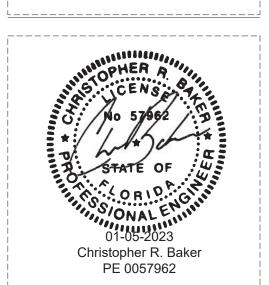
**BUILDING IS REQUIRED TO** 

SEPARATELY. THIS SHEET

BUILDINGS, SO SOME MAY

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**MECHANICAL DETAILS** 

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FLOOR/CEILING ASSEMBLY/CAVITY -SEAL AROUND OPENING THRU WALL WITH URETHANE FOAM SEALANT SECURE DUCT TO WALL CAP SLEEVE. IF WALL CAP DOES NOT INCLUDE A CONNECTOR SLEEVE, CAULK AROUND DUCT AT WALL CAP OPENING.

EXHAUST WALL CAP WITH INTEGRAL BDD AND BIRDSCREEN (OMIT BIRDSCREEN IN DRYER EXHAUST WALL CAPS. OMIT DAMPER IN OA INTAKE CAPS.

COORDINATE EXTERIOR WALL

ASSEMBLY TYPE AND EXACT SEALING

METAL CAP FLASHING IF NECESSARY-

REQUIREMENTS WITH ARCHITECT—

WALL CAP SHALL HAVE RUBBER, NEOPRENE OR OTHER STYLE SILENCERS ON BDD TO PREVENT FLAPPING NOISE AND ENSURE AIRTIGHT

SCREW CAP TO WALL **BLOCKING BEHIND** -

COORDINATE EXTERIOR WALL

ASSEMBLY TYPE AND EXACT SEALING

REQUIREMENTS WITH ARCHITECT—

-EXTERIOR WALL

—CONDENSATE DRAIN

-PREFERRED METHOD OF

FOUNDATION FOOTING.

CONDENSATE ROUTING. DO NOT

**ENGINEER/ARCHITECT APPROVES** 

-CONDENSATE PIPE SHALL ENTER

DRYWELL PIPE NO DEER THAN 6"

CONDITIONS DEMAND OTHERWISE

BELOW GRADE UNLESS

-FOOTING/FOUNDATION

OF THE PIPE BEING ROUTED IN THE

INSTALL UNLESS STRUCTURAL

-HOUSEWRAP WITH ALL SEAMS TAPED AND EDGES SEALED OR FULLY-ADHERED OR LIQUID APPLIED AIR CONTROL MEMBRANE, APPLIED OVER EXISTING WALL SHEATHING TO FOR SEAL WHEN CLOSED. CONTINUOUS AIR CONTROL LAYER.

> —IF WALL AIR CONTROL LAYER IS NOT A FULLY-ADJERED MATERIAL, BED IN A CONTINUOUS BEAD OF SEALANT AROUND THE PERIMETER OF THE SHEATHING PENETRATION.

-RUNOUTS TO DIFFUSERS WITH SPIN-IN FITTINGS. SEE FLOOR PLANS. PROVIDE BALANCING DAMPERS AT SPIN-IN IF ABOVE ACCESSIBLE CEILING. PROVIDE DAMPER AT DIFFUSER IF ABOVE NON-ACCESSIBLE CEILING.

WALL CAP DETAIL NOTES: 1. WALL CAPS SHALL BE CONSTRUCTED OF PREFINISHED (BONDERIZED) METAL. COORDINATE COLOR WITH ARCHITECT.

- 2. WALL CAP DUCT CONNECTION SIZE SHALL BE 4". TRANSITION TO DUCT SIZE SHOWN ON PLANS AS CLOSE TO CAP AS POSSIBLE. 3. TOILET/DRYER EXHAUST WALL CAP BASIS OF DESIGN: M&M V-MBLV(4). OA INTAKE WALL CAP BASIS OF DESIGN: M&M V-SBLV(4) WITH (3) FIXED LOUVERS AND 1/8" GALVANIZED BIRDSCREEN.
- 4. SLOPE HORIZONTAL DUCT DOWNWARD TOWARDS WALL CAPS FOR CONDENSATE DRAINAGE. 5. INSULATED DUCTS AS SCHEDULED.

WALL LOUVER DETAIL

SCHEMATIC - NO SCALE

-DUCT WITHIN CEILING. SEE FLOOR PLAN FOR SIZE. -CEILING RADIATION DAMPER (TYP.) IF CEILING OR FLOOR CEILING ASSEMBLY IS RATED ONLY. PROVIDE ACCESS PANELS AS SHOWN ONLY IF CRD IS PROVIDED. -OA DUCT. TO AVOID A CRD THE ENTIRE LENGTH OF OA DUCT SHALL BE EQUAL TO THE THICKNESS (OR GREATER) REQUIRED IN THE UL FIRESTOP DETAIL FOR CEILING MEMBRANE PENETRATION. SEAL DUCT AT CEILING MEMBRANE AS INDICATED IN THE UL FIRESTOP DETAIL. DO NOT BLOCK UNIT TRANSITION DUCT TO MAINTENANCE ACCESS. SIZE SHOWN ON PLANS CEILING AP SIDEWALL RETURN GRILLE TABLE REFRIGERANT LINESET TO MATCHING CU/HP-GRILLE T'STAT, NOTE 7-TONNAGE | SIZE ACCESSIBLE 16x16 TITUS 350RL OR EQUAL. BAKED FILTER RACK-ENAMEL, COLOR BY ARCH., STEEL, SIZE RA TAKEOFF 2.5, 3.0, 3.5 20x20 3/4" BLADE SPACING, 45° SAME SIZE AS RA DEFLECTION, NC<30 & ΔP<0.10" AT 4.0, 5.0 | 24x36 | THE CFM INDICATED. GRILLE AND LINE ENTIRE LENGTH-RETURN AIR GRILLE WITH FIRE DAMPER, SEE TABLE COIL` ON THIS DETAIL FOR TAG AND SIZE. SEE GRD SCHEDULE FOR MORE INFO. LOCATE ON ADJACENT CORRIDOR WALL U.N.O.-

-MOD, NORMALLY CLOSED, OPEN WHEN UNIT IS ENERGIZED, AND CLOSED WHEN UNIT IS OFF. SEE HVAC GENERAL NOTES FOR CHARACTERISTICS. SEE WIRING SCHEMATIC ON M0-04.

**GRILLE TYPE** 

-CD TRAP, SEE CONDENSATE DRAIN TRAP DETAIL LINED MIXED AIR BOX. BOX SHALL BE SAME SIZE AS UNIT & AS

1" PRIMARY CD DRAIN, ROUTE TO

PLUMBING DRAIN IN MECH ROOM UNO.

TALL AS NEEDED TO FIT THE RAG, BUT AT LEAST 18" TALL. BOX SHALL BE FABRICATED WITH 26 GA SHEETMETAL. BOX SHALL BE LINED AND AIRTIGHT. PROVIDE SUPPORTS WITH CHANNELS OR ANGLE IRON SO THAT PLENUM IS ADEQUATE TO SUPPORT FCU.

1. DUCT CONFIGURATION SHOWN IS GENERAL. CONFIGURE DUCT AS NEEDED TO ACCOMMODATE SPACE PROVIDED. 2. PROVIDE RECTANGULAR SUPPLY AIR ELBOW WITH TURNING VANES. 3. LINE SUPPLY DUCT FIRST 10 FEET FROM UNIT U.N.O..

5. DO NOT BLOCK FILTER PULL WITH CONDENSATE DRAIN PIPE. 6. OA AND RA DUCT SHALL BE INSTALLED SO THAT MAINTENANCE AND ACCESS ARE NOT BLOCKED.

7. MOUNT T'STAT WITHIN 5 FT OF RAG IF NOT SHOWN OTHERWISE ON THE PLANS. 8. DUCTS PENETRATING RATED WALLS SHALL BE PROTECTED WITH FIRE DAMPERS. DUCTS PENETRATING NON-RATED

4. SUPPLY DUCT DISCHARGE ELBOW SHALL TURN IN THE DIRECTION OF FAN ROTATION.

WALLS DO NOT NEED DAMPERS. SEE FLOOR PLANS AND ARCH. LIFE SAFETY PLANS.

FCU DETAIL - COMMON AREA WITH SIDEWALL RETURN SCHEMATIC - NO SCALE

PROVIDE FSD WHEN -DUCT WITHIN CEILING-PENETRATING CORRIDOR WALLS, OTHERWISE PROVIDE FIRE DAMPER IF WALL IS RATED.--OA DUCT. TO AVOID A CRD THE ENTIRE LENGTH OF OA DUCT SHALL BE EQUAL TO TRANSITION DUCT THE THICKNESS (OR GREATER) REQUIRED TO SIZE SHOWN ON IN THE UL FIRESTOP DETAIL FOR CEILING PLANS— MEMBRANE PENETRATION. SEAL DUCT AT CEILING MEMBRANE AS INDICATED IN THE **CEILING RADIATION DAMPER** UL FIRESTOP DETAIL. DO NOT BLOCK UNIT CEILING (TYP.) IF CEILING OR FLOOR MAINTENANCE ACCESS. CEILING ASSEMBLY IS RATED ONLY. PROVIDE ACCESS -OA DUCT, CONNECT AS SHOWN OR PANELS AS SHOWN ONLY IF CONNECT TO RA DUCT DOWNSTREAM CRD IS PROVIDED OF RA MVD MIXED AIR BOX. BOX SHALL BE -MOD, NORMALLY CLOSED, OPEN WHEN SAME SIZE AS UNIT & MIN 18" DUCT UNIT IS ENERGIZED, AND CLOSED WHEN TALL. BOX SHALL BE UNIT IS OFF. SEE HVAC GENERAL NOTE FABRICATED WITH 26 GA FOR CHARACTERISTICS. SEE WIRING SHEETMETAL. FRAME BOX /COIL \ SCHEMATIC ON M0-04. INTERNALLY AT TOP, BOTTOM, & CORNERS WITH WELDED 2X2X3/16" ANGLE IRON. FRAME SHALL BE BOLTED TO AHU. BOX AND FRAME SHALL -PROVIDE A 12X12 GASKETED ACCESS BE LINED AND BOX SHALL BE DOOR FOR ACCESS TO THE MIXED AIRTIGHT-AIR PLENUM 1" CD DRAIN, WITH TRAP. SEE LINED PLENUM CD TRAP DETAIL THIS SHEET CHANNEL SUPPORTS, MIN 1/2" THICK RUBBER TRAFFIC PAD -1" PRIMARY CD DRAIN, ROUTE TO PLUMBING DRAIN IN MECH ROOM UNO. 1. DUCT CONFIGURATION SHOWN IS GENERAL. CONFIGURE DUCT AS NEEDED TO ACCOMMODATE SPACE PROVIDED. 2. IF RADIUS ELBOW CANNOT BE USED THEN PROVIDE RECTANGULAR ELBOW WITH TURNING VANES, 3. LINE SUPPLY DUCT FIRST 10 FEET FROM UNIT. 4. SUPPLY DUCT DISCHARGE ELBOW SHALL TURN IN THE DIRECTION OF FAN ROTATION. 5. DO NOT BLOCK FILTER PULL WITH CONDENSATE DRAIN PIPE. 6. OA AND RA DUCT SHALL BE INSTALLED SO THAT MAINTENANCE AND ACCESS ARE NOT BLOCKED.

1. CONDENSATE CANNOT SPILL ON A PAVED SURFACE. IT MUST BE DIRECTED ONTO GRADE OR IF THERE IS NOT A DIRECT METHOD TO SPILL ONTO GRADE THEN PIPE SHALL BE DIRECTED UNDERGROUND AND ROUTED BELOW THE PAVED SURFACE (SIDEWALK, ETC.) AND SPILL

2. COORDINATE WITH THE STRUCTURAL FOUNDATION PLAN AND INSTALL CONDENSATE DRAIN LINE DURING FOUNDATION CONSTRUCTION.

7. MOUNT T'STAT WITHIN 5 FT OF RAG IF NOT SHOWN OTHERWISE ON THE PLANS.

3 FCU DETAIL - COMMON AREA WITH CEILING RETURN SCHEMATIC - NO SCALE

REMOVABLE PIPE CAP

FOR 12" PIPE, FLUSH

WITH LIGHTWEIGHT

FILL INSIDE OF PIPE

SURROUND PIPE WITH 24" X

24" DEEP HOLE. LINE HOLE

FABRIC SUCH THAT IT SHALL

APPROXIMATELY 3/4 OF THE

WAY TO THE TOP WITH #57

STONE GRAVEL. ENSURE THERE IS AT LEAST 1" OF AIR SPACE BETWEEN BOTTOM OF CONDENSATE PIPE AND

TOP LEVEL OF GRAVEL.

12" X 12"(MIN) -18"(MAX)

LONG PERFORATED PIPE

OR CONCRETE-

OPEN ENDED AT

BOTTOM OF PIPE-

NOTES:

GRAVEL OR SAND FILL-

SCHEMATIC - NO SCALE

CONSTRUCTED OF PVC. ABS.

INTO A DRY WELL AS SHOWN IN THIS DETAIL

DRYWELL & CONDENSATE DRAIN DETAIL

3. COORDINATE LOCATION OF EACH DRY WELL WITH ARCHITECT/CIVIL ENGINEER.

PREVENT ANY DIRT FROM

ENTERING THE DRYWELL.

TOP

SOIL-

NONWOVEN GEOTEXTILE

WITH SURFACE-

OBD IN DUCT IN

MECHANICAL CLOSET - NOT

IN WALL. BALANCE HANDLE MECHANISM EXTENDED

FROM OBD IN CLOSET-

RUBBER TRAFFIC PAD-

MINIMUM 1/8" THICK