DIFFUSER, GRILLE, AND REGISTER SCHEDULE

CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	NOISE CRITERIA @ MAX CFM	MODEL
RS1818	EGGCRATE GRILLE	18x18	18x18	25	TITUS 50F
RS2418	EGGCRATE GRILLE	24x18	24x18	25	TITUS 50F
SCP06	SUPPLY CEILING PLAQUE DIFFUSER	24x24	6Ø	25	TITUS OMNI
SR12	SUPPLY ROUND CEILING	24Ø	12Ø	25	TITUS TMR-AA
350804	DOUBLE DEFLECTION SUPPLY	10x6	6x4	25	TITUS 300FS
350D0906	DRUM LOUVER	11x8	9x6	30	TITUS DL
350D1806	DRUM LOUVER	20x8	18x6	30	TITUS DL

A. AIR DEVICE (I.E. DIFFUSERS, REGISTERS AND GRILLES) COLOR SELECTION SHALL BE MADE BY ARCHITECT. CONTRACTOR SHALL SUBMIT COLOR/FINISH CHARTS FOR ARCHITECTURAL REVIEW AND SELECTION.
B. THE CONTRACTOR SHALL COORDINATE AIR DEVICE FRAME AND/OR SUSPENSION TYPE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.

SPLIT DIRECT EXPANSION (DX) EQUIPMENT

MARK	SERVES	INDOOR UNIT: TOTAL S.A. (CFM)	O.A. (CFM)	E.S.P. (IN WG)	MOTOR (hp)	HEATING: GAS TYPE	HEATING: ET. A/UE	HEATING: GAS IN (BTU/H)	HEATING: GAS OUT (STU/H)	CARRIER FURNACE BASIS OF DESIGN	CARRIER COIL BASIS OF DESIGN	OUTDOOR UNIT: MIN. SEER	REFR.	CARRIER BASIS OF DESIGN	NOMINAL TONNAGE	COMBINED COOLING CAPACITIES: TOTAL (MBH)	SENS (MBH)	LAT (MBH)	COOLING: Sat. Tdb (°F)	Sat. Twb (°F)	Avg. Tdb (°F)	Avg. Twb (°F)	REMARKS
FURN-1 / CU-1	STORAGE	1,400	150	0.50	1/2 ECM	NATURAL	92%	60,000	75,000	59SP2A060E17-1G	CNPVP4217A	15.0	R-410A	24ACC442	3.5	39.5	30.6	8.9	77.0	65.2	80.0	58.5	1 X, 2 X, 3 Y, 4 X, 5 X, 6 X, 7 X, 8 X, 9 X
FURN-2 / CU-2	STORAGE	1,400	150	0.50	1/2 ECM	NATURAL	92%	60,000	75,000	59SP2A060E17-1G	CNPVP4217A	15.0	R-410A	24ACC442	3.5	39.5	30.6	8.9	77.0	65.2	80.0	58.5	1 X, 2 X, 3 Y, 4 X, 5 X, 6 X, 7 X, 8 X, 9 X
FURN-3 / CU-3	STORAGE	1,000	70	0.50	1/2 ECM	NATURAL	92%	40,000	56,000	59SP2A060E14-12	CNPV3117A	14.5	R-410A	24ACC430	2.5	30.9	22.8	8.7	76.3	64.8	80.0	54.0	1 Y, 2 Y, 3 X, 4 X, 5 Y, 6 Y, 7 Y, 8 X, 9 X
FURN-4 / CU-4	STORAGE	800	65	0.50	1/2 ECM	NATURAL	92%	40,000	37,200	59SP2A040E14-10	CNPV3117A	15.5	R-410A	24ACC424	2.0	21.8	17.1	4.8	76.5	64.8	80.0	55.5	1 X, 2 Y, 3 X, 4 X, 5 X, 6 X, 7 X, 8 X, 9 X
FURN-5 / CU-5	STORAGE	1,200	80	0.50	1/2 ECM	NATURAL	92%	60,000	56,000	59SP2A060E17-14	CNPV3717A	15.0	R-410A	24ACC436	3.0	34.2	27.5	6.6	76.4	64.8	80.0	56.2	1 X, 2 X, 3 X, 4 X, 5 X, 6 X, 7 X, 8 X, 9 X
FURN-6 / CU-6	STORAGE	1,000	80	0.50	1/2 ECM	NATURAL	92%	40,000	56,000	59SP2A060E14-12	CNPV3117A	15.5	R-410A	24ACC430	2.5	27.3	21.4	6.0	76.5	64.8	80.0	55.5	1 X, 2 X, 3 X, 4 X, 5 X, 6 X, 7 X, 8 X, 9 X
FURN-7 / CU-7	OFFICE	1,930	215	0.50	3/4 ECM	NATURAL	92%	60,000	75,000	59SP2A060E21-20	CNPV6121A	14.5	R-410A	24ACC460	5.0	56.7	43.3	13.2	77.0	65.1	80.0	56.0	1 X, 2 X, 3 X, 4 X, 5 X, 6 X, 7 X, 8 X, 9 X

NOTES (APPLY TO ALL):
A. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
B. SUBMITTED UNIT CAPACITIES SHOULD BE WITHIN +/- 10% OF SCHEDULED CAPACITIES.
C. BASIS OF DESIGN: CARRIER. SEE SPECIFICATIONS.
ACCEPTABLE ALTERNATES: JOHNSON, TRANE, DAIKIN/MCQUAY, LENNOX
D. ALL EVAPORATORS AND COOLING COILS LOCATED ABOVE THE LOWEST LEVEL FINISHED FLOOR SHALL BE INSTALLED WITH AN AUXILIARY CONDENSATE DRAIN PAN UNDER THE UNIT. PROVIDE AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION OF WATER IN THE AUXILIARY DRAIN PAN.
E. AS AN ALTERNATIVE TO THE AUXILIARY CONDENSATE DRAIN PAN, AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION OF WATER MAY BE INSTALLED IN THE PRIMARY DRAIN LINE, THE OVERFLOW DRAIN LINE OR THE EQUIPMENT SUPPLIED DRAIN PAN. THE WATER LEVEL DETECTOR SHALL BE LOCATED AT A POINT HIGHER THAN THE PRIMARY DRAIN LINE CONNECTION AND BELOW THE OVERFLOW RIM OF SUCH PAN.

REMARKS (APPLY AS SCHEDULED):
1. PROGRAMMABLE THERMOSTAT.
2. 2-PIPE DIRECT VENTING KIT. PROVIDE CONCENTRIC TERMINATION AT ROOF OR WALL REFER TO EQUIPMENT SIZE, MATERIALS AND TERMINATION SHALL BE PER MANUFACTURERS REQUIREMENTS.
3. LOW AMBIENT PACKAGE.
4. DISPOSABLE FILTER.
5. ANTI-SHORT CYCLE TIMER.
6. INDOOR FAN DELAY.
7. DISCONNECT SWITCH PROMOTED [illegible] PROVIDED FOR BOTH THE INDOOR AND OUTDOOR UNIT. REFER TO THE ELECTRICAL DOCUMENTS.
8. [illegible] OUTDOOR CONDENSING UNIT ON TOP SIDE TO ROOFTOP CONDENSING UNIT DETAIL.
9. [illegible] CONDENSATE PUMP. CONDENSATE PUMP TO BE OMITTED WHERE GRAVITY DRAIN IS POSSIBLE.

ELECTRIC WALL HEATER

MARK	CFM	WATTS	HEAT (BTU/H)	BASIS OF DESIGN	REMARKS: 1	2	3	4	5	6
EWH-A	100	3000	10235	QMARK AWH	X	X	X			
EWH-1	100	1500	5120	QMARK AWH	X	X	X	X	X	X

REMARKS:
1. PROVIDE WITH INTEGRAL THERMOSTAT AT UNIT TO MAINTAIN MINIMUM 45 F ADJUSTABLE.
2. COORDINATE ELECTRICAL CHARACTERISTICS WITH ELECTRICAL CONTRACTOR.
3. FAN DELAY SWITCH.
4. THERMAL CUTOUT.
5. FACTORY DISCONNECT SWITCH.
6. SURFACE MOUNTING KIT.

DUCTLESS SPLIT DIRECT EXPANSION (DX) EQUIPMENT

MARK	INDOOR UNIT: SERVES	TYPE	MODEL/SERIES	NOMINAL TONS	CFM	OUTDOOR UNIT: MARK	MIN. REFR.	MIN. HSPF	MODEL/SERIES	COMBINED CAPACITIES: COOLING TOTAL (MBH)	HEATING @ 47°F (MBH)
MFDU-1	ELEVATOR MACHINE ROOM	WALL-MOUNTED, HEAT PUMP	FTK-A18TAVMA4	1.50	320/370/425	MHP-1	15.3	9.5	RZF-A18NHA4	18.0	19.0
MCU-2	ELECTRICAL ROOM	WALL-MOUNTED, COOLING ONLY	FTK-A18TAVMA4	1.50	320/370/425	MCU-2	15.3	NA	RUY-A18NHA4	18.0	NA

NOTES (APPLY TO ALL):
A. BASIS OF DESIGN: MITSUBISHI. EQUAL PRODUCTS: DAIKIN, LENNOX, SAMSUNG, LG, SANYO, GE/MRK.
B. SINGLE POWER CONNECTION AT OUTDOOR UNIT. DISCONNECT SWITCHES PROVIDED AT THE INDOOR AND OUTDOOR UNITS BY ELECTRICAL SUBCONTRACTOR. REFER TO THE ELECTRICAL DOCUMENTS.
C. R-410A REFRIGERANT.
D. FACTORY CONDENSATE PUMP OR CONDENSATE LIFT MECHANISM.
E. WALL MOUNTED WIRED REMOTE CONTROLLER.
F. INVERTER DRIVEN COMPRESSOR.
G. MOUNT OUTDOOR HEAT PUMP ON CONCRETE HOUSEKEEPING PAD. PAD SHALL BE A MINIMUM 4" THICK AND SHALL EXTEND 6" BEYOND UNIT ON ALL SIDES.
H. REFRIGERANT LINE SET TOTAL EQUIVALENT LENGTH SHALL NOT EXCEED 100 FEET. SHOULD AN ALTERNATE MANUFACTURER BE USED, CONTRACTOR SHALL COMPLY WITH ALTERNATE MANUFACTURER LINE SET LIMITATIONS.

LOUVERS

SYMBOL	MODEL/ SERIES	SERVES	SIZE (W x H) (IN)	MIN FREE AREA (SQ FT)	CFM	MAX PRESS. DROP (IN WG)	OPERATOR	INTERLOCK	FRAME	REMARKS: 1	2	3	4	5
WL A	350-L35	FURN OUTSIDE AIR	12x18	0.4	210	0.05	NA	NA	ALUMINUM	Y	X	X		

NOTES (APPLY TO ALL):
A. FINAL COLOR SELECTION SHALL BE MADE BY ARCHITECT AT TIME OF SHOP DRAWING APPROVAL. PROVIDE COLOR/FINISH CHARTS AS PART OF SUBMITTAL.
B. DESIGN IS BASED ON PRODUCTS BY GREENHECK. ACCEPTABLE ALTERNATES SHALL BE BY UNITED ENERTECH, ARROW, RUSKIN.

REMARKS (APPLY AS SCHEDULED):
1. BIRD SCREEN.
2. PAINT ON SWAMP FINISH.
3. GRAVITY BACKDRAFT DAMPER.

FAN SCHEDULE

MARK	DUTY	TYPE	CFM	E.S.P. (IN WG)	MOTOR (W / HP)	DRIVE	MAX. NOISE (SONES)	CONTROL BY	BASIS OF DESIGN MODEL	REMARKS: 1	2	3	4
EF-A	EXHAUST	CEILING CABINET	70	0.25	100	DIRECT	2.0	SWITCHED WITH LIGHTS	GREENHECK SP	X	X	X	

NOTES (APPLY TO ALL):
A. SEE ELECTRICAL PLANS FOR POWER CHARACTERISTICS
B. DESIGN IS BASED ON PRODUCTS BY GREENHECK. ACCEPTABLE ALTERNATES SHALL BE BY LORENCOOK, PAPA-CITY, PENN BARRY.

REMARKS (APPLY AS SCHEDULED):
1. FAN SPEED CONTROLLER.
2. FACTORY DISCONNECT SWITCH/PLUG.
3. GRAVITY BACKDRAFT DAMPER.

Order Plans @ WWW.LDLine.com

ALABAMA LICENSED 30661 PROFESSIONAL ENGINEER JOHN P. KENNEY

PROFICIENT ENGINEERING
6961 Peachtree Industrial Blvd Building 700
Peachtree Corners, Georgia 30092
404.350.9790
PROJECT #170860

THESE DRAWINGS AND DESIGNS ARE THE PROPERTY OF STINARD ARCHITECTURE, INC. AND SHALL NOT BE REPRODUCED WITHOUT THE ARCHITECT'S PERMISSION. THEY WERE PREPARED FOR USE ON THIS SPECIFIC SITE AND ARE NOT SUITABLE FOR USE ON ANY OTHER PROJECT OR SITE AT ANY DATE AND ARE NOT SUITABLE FOR USE ON THIS PROJECT AT ANY LATER TIME. ALL DIMENSIONS MUST BE VERIFIED IN THE FIELD AND REPORTED TO THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. FAILURE TO DO SO MAY CAUSE DRAWINGS.

Life Storage #354

2020 South College St
Auburn, AL 36832

STINARD ARCHITECTURE INC
CARTERSVILLE GA 30120
1 NORTH ERWIN STREET
770.382.4000 (F) 770.382.4100
STINARDARCH.COM

ISSUE: FOR CONSTRUCTION
REVISIONS:

PROJECT NUMBER 201839
DATE 3-15-2019

SHEET NUMBER
M0.3