

MECHANICAL PLAN KEYED NOTES

1

TWO (2) GROUND MOUNTED PACKAGED HVAC UNITS

2

PACKAGE HVAC UNITS SHALL BE YORK OR CARRIER. PACKAGED HVAC UNITS WITH ELECTRIC STRIP HEAT SHALL BE YORK ZF SERIES OR CARRIER 50TC SERIES. FOR YORK NATIONAL ACCOUNTS, CONTACT FRED BRYANT@YORK-USA.COM OR EMAIL TO FREDERICKBRYANT@YORK.COM. FOR CARRIER NATIONAL ACCOUNT (NAT7231) CONTACT TERRIE TRULL @ 877-501-4432 OR EMAIL TO TERRIE.TRULL@CARRIERUTCC.COM WITH THE SQUARE FOOTAGE OF STORE, VOLTAGE, HEAT AND ANY SITE SPECIFIC REQUIREMENT FOR FAMILY DOLLAR STORE. ALL MODEL NUMBER AND CONTACT INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

3

PROVIDE CONCRETE EQUIPMENT PAD. FILE COORDINATE ACTUAL LOCATION WITH CIVIL SITE PLAN, PROPERTY LINES AND STRUCTURAL. PROVIDE FENCING AROUND EQUIPMENT PAD IF REQUIRED.

4

RUN INSULATED DUCTWORK UP TIGHT AGAINST BUILDING WALL TO ABOVE CEILING. PROVIDE METAL WEATHERPROOF ENCLOSURE. SEE ARCHITECTURE/STRUCTURAL DRAWINGS FOR DETAILS.

5

THERMOSTAT REMOTE SENSOR MOUNTED AT 8'-0" AFF. THERMOSTATS AND REMOTE SENSORS ARE BEING SUPPLIED WITH THE VENSTAR SURVEYOR EQUIPMENT. MECHANICAL CONTRACTOR SHALL MOUNT AND WIRE REMOTE SENSORS AND THERMOSTATS.

6

DUCTWORK SHALL GALVANIZED SHEET METAL, FABRICATED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMACNA RECOMMENDATIONS. ALL SQUARE ELBOWS SHALL INCLUDE SINGLE THICKNESS TURNING VANES. FIBERGLASS DUCTBOARD SHALL NOT BE USED AND WILL NOT BE ACCEPTED.

EXTERNAL INSULATION SHALL BE PROVIDED ON SUPPLY/RETURN AIR DUCTWORK FROM HVAC UNIT TO 10 FEET INSIDE THE BUILDING. SUPPLY AIR DUCTWORK RUN IN EXPOSED CONDITIONED AREAS IS NOT REQUIRED TO BE INSULATED. SUPPLY AIR DUCTWORK RUN ABOVE THE CEILING IN CONCEALED AREAS SHALL BE WRAPPED WITH 2" FIBER GLASS INSULATION AND SHOWN SHADED.

7

PROVIDE CEILING MOUNTED EXHAUST FAN (MINIMUM 75 CFM EXHAUST) OUT TO WALL CAP. INTERLOCK FAN RESTROOM LIGHTS.

8

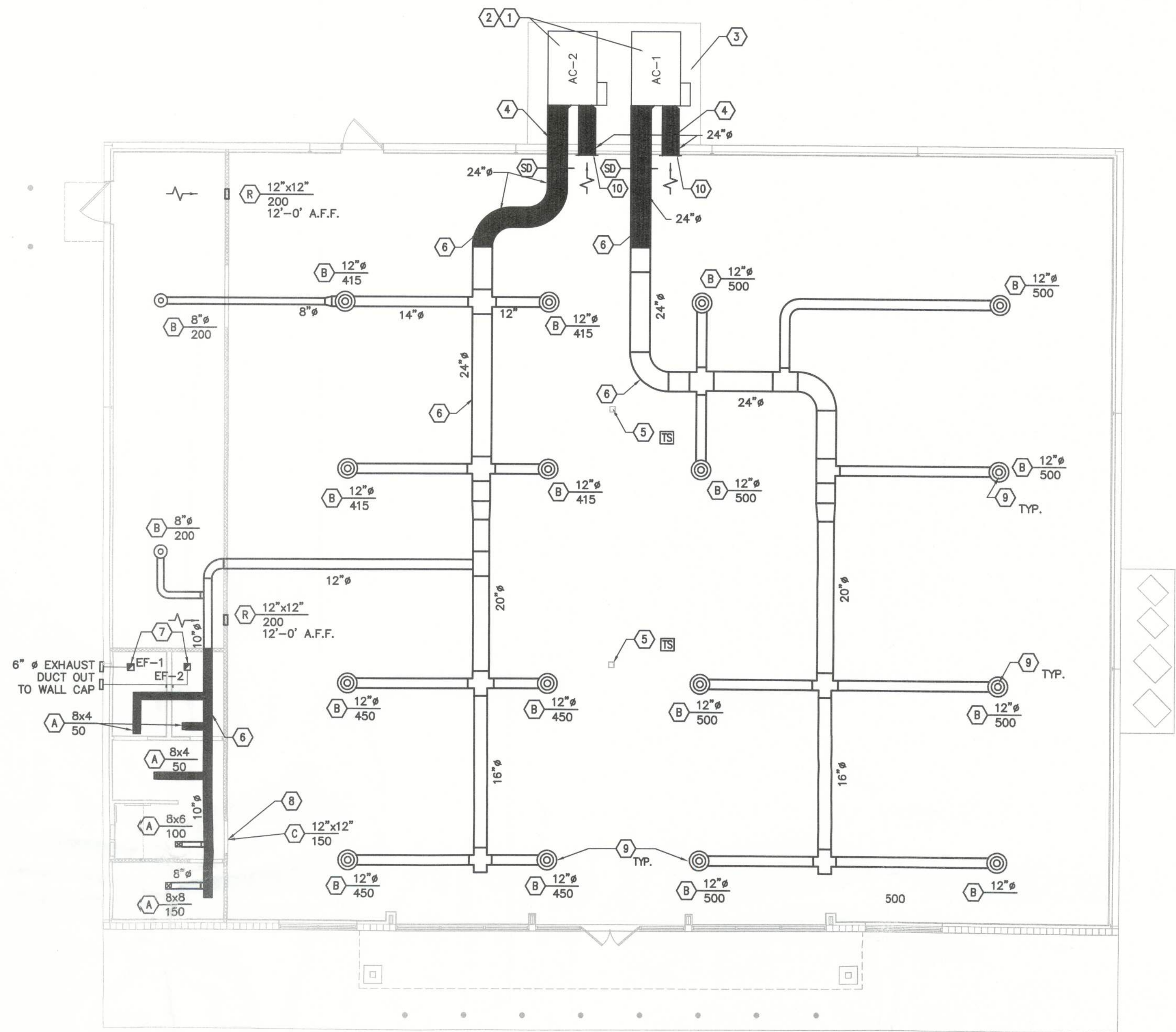
PROVIDE LOUVERED DOOR GRILLE FOR RETURN AIR TRANSFER

9

SUPPLY DIFFUSERS SHALL BE ADJUSTABLE ROUND. MOUNT DIFFUSERS @ 12'-0" AFF. DIFFUSERS SHALL NOT BE LOCATED DIRECTLY ABOVE A LIGHT FIXTURE. COORDINATE HVAC DUCT LAYOUT WITH STRUCTURAL AND 11'-6" CLEARANCE PRIOR TO CONSTRUCTION.

10

24" Ø ROUND RETURN AIR DUCT WITH 1/2" WIRE MESH SCREEN.



AIR DISTRUBUTION

SYMBOL	MANUFACTURER & MODEL	SERVICES	FRAME TYPE	FACE TYPE	PATTERN	DAMPER	MATERIAL	FINISH	MAX. PD.	MAX. NC.	REMARKS
A	METALAIRE V4004D	SUPPLY	SURFACE	GRILLE	4 WAY	YES	ALUMINUM	ALUMINUM	0.10"	€ 30	1
B	METALAIRE 3200-24	SUPPLY	SURFACE	ROUND	ADJUSTABLE	YES	STEEL	MILL	0.10"	€ 30	1
C	METALAIRE DG DF	SUPPLY	SURFACE	LOUVER	NA	NO	ALUMINUM	OFF-WHITE	0.10"	€ 30	1

1. ACCEPTABLE MANUFACTURERS: CARNES, TUTTLE, & BAILEY, PRICE & TITUS. (NO SUBSTITUTIONS)

EXHAUST FANS

NO.	SERVICE	TYPE	DRIVE	CFM	SP	RPM	ELECTRICAL DATA				GREENHECK MODEL	REMARKS
							VOLTS	PHASE	WATTS	STARTERS		
EF-1	TOILET	CEILING EXHAUST FAN	DIRECT	75	0.25"	1500	120	1	40	MAN	SP-6	1
EF-2	TOILET	CEILING EXHAUST FAN	DIRECT	75	0.25"	1500	120	1	40	MAN	SP-6	1

1. PROVIDE SIDEWALL LOUVER DISCHARGE.

AIR CONIDITION UNIT SCHEDULE

FAN DATA					DX. COOLING COIL DATA		ELECTRIC HEATING COIL		ELECTRICAL							
RTU#	AREA SERVED	OUTSIDE AIR	CFM	HP	MBH TOT	KW	STAGES	TOTAL MCA	MOCP	VOLTS	PHRASE	EER	SEER	MANUFACTURER/ MODEL	WEIGHT	ISEE NOTE #
AC-1	SALES AREA	200-1000	4000	3	116.5	32	2	102	125	208	3	11.2	---	CARRIER 50TC012	950	1-7
AC-2	SALES AREA	200-1000	4000	3	116.5	32	2	102	125	208	3	11.2	---	CARRIER 50TC012	950	1-7

1. PACKAGED UNITS SHALL BE SIDE DISCHARGE MOUNTED ON CONCRETE PAD.
2. MOTORIZED OUTDOOR AIR DAMPER
3. 2" 30% EFFICIENT PLEATED FILTERS
4. FOIL FACED INSULATION
5. SINGLE POINT WIRING KIT
6. NEC DISC. BY ELECTRICAL TRADE
7. ACCEPTABLE MANUFACTURERS: CARRIER OR YORK

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LAND SURVEYING

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CLIENT NAME

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823 IRMA AVENUE
ORLANDO, FLORIDA, 32803

PROJECT NAME

FAMILY DOLLAR STORE

PLAN # 2011-04 / 104x80
FORT WHITE, FL

SHEET TITLE

Mechanical Plan

PROFESSIONAL SEAL

ROBERT W. CASE
LICENSE
No. 44643
STATE OF FLORIDA
MAR 06 2012
ROBERT W. CASE
FLORIDA PE #44643

1	RELEASE	DATE
2		
3		
4		
5		
6		

PROJECT NO.
2012-001

ISSUE DATE
02/22/2012

DRAWN	CHECKED
JS	BS

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