HVAC LEGEND & ABBREVIATIONS	
⊠	SUPPLY DIFFUSER
▨	RETURN GRILLE
⬡	AIR DISTRIBUTION TAG
T	THERMOSTAT
H	HUMIDITY SENSOR
	MANUAL VOLUME DAMPER
SD	SPLITTER DAMPER
FD	FIRE DAMPER
	DOUBLE THICK TURNING VANE
D	DOOR LOUVER
RTU-	ROOFTOP UNIT
EDH-	ELECTRIC DUCT HEATER
EF-	ELECTRIC FAN
GUH-	GAS UNIT HEATER
H-	KITCHEN HOOD

RTU9 LOADING DOCK AREA

RTU9

SUPPLY MAIN DROP SIZE 29"X19"
RETURN MAIN DROP SIZE 27"X25"

RTU9

TEMPERATURE SENSOR FOR GUH-1 CONTROLLED BY GPC PANEL

GPC CONTROL PANEL LOCATION. CONTRACTOR IS RESPONSIBLE FOR WIRING HVAC EQUIPMENT FROM UNIT TO THESE PANELS. CONTRACTOR SHALL WIRE THESE PANELS TO THERMOSTAT AND HUMIDISTAT AS SHOWN.

8" FLUE UP THRU ROOF WITH RAINCAP

GUH-1 GUH-2

TEMPERATURE SENSOR FOR GUH-2 CONTROLLED BY GPC PANEL

EF-6 MOUNTED ABOVE DOOR

16x4 UP THRU ROOF TO EF-5

45'-0"

44x10

3-SIDED RETURN AIR DUCT SEE DETAIL I/M1.3

14x10 600 CFM 14x10 600 CFM

44x18

44x20

51'-0"

3-SIDED RETURN AIR DUCT SEE DETAIL I/M1.3

40x24

44x20

44x36

44x44 UP

RTU-1

RTU1

SUPPLY MAIN DROP SIZE 65"X48"
RETURN MAIN DROP SIZE 25"X90"

HUMIDITY SENSOR FOR RTU - 1, 2 & 3, INSTALLED 7'-6" A.F.F., ON COLUMN

COVER WITH 1/2" WIRE MESH

RTU-2

32x22

RTU2

SUPPLY MAIN DROP SIZE 40"X22"
RETURN MAIN DROP SIZEV 40"X14"

44x40

RTU4

SUPPLY MAIN DROP SIZE 20"X18"
RETURN MAIN DROP SIZE 24"X18"

550 CFM

8"ø DUCT FROM OVEN THRU ROOF TO EF-4

8"ø DUCT FROM OVEN THRU ROOF TO EF-3

14x8

300 CFM 300 CFM

14x14

12x6

USE SPLITTER DAMPER IN BOTTOM OF 20x14 VERTICAL DUCT

RTU-4

24x12

14x10

300 CFM

14x8

22x24 UP THRU ROOF TO EF-2

550 CFM

H-1

COVER WITH 1/2" WIRE MESH

RTU-3

32x22

RTU3

SUPPLY MAIN DROP SIZE40"X22"
RETURN MAIN DROP SIZE 40"X14"

TEMPERATURE PROBE FOR RTU - 1, 2 & 3, INSTALLED 7'-6" A.F.F., ON COLUMN

RTU5

SUPPLY MAIN DROP SIZE 20"X14"
RETURN MAIN DROP SIZE 24"X12"

600 CFM 20x6

3,000 CFM 32x14

600 CFM 20x10

RTU-5

24x18

USE SPLITTER DAMPER IN BOTTOM OF 20x18 VERTICAL DUCT

20x12

18x6

14x8

100 CFM

200 CFM

18x16

18x14

RTU-6

500 CFM

20x8

18x10

300 CFM 50

12x6 16x8 800 CFM

12x12 UP THRU ROOF TO EF-1

300 CFM

10x6

12x8

450 CFM

44x36 4,000 CFM 38x36 4,000 CFM 38x28 4,000 CFM 38x16 4,000 CFM

20x10

1,000 CFM

RELIEF AIR LOUVER L-1, MOUNTED 20'-4" A.F.F.

RTU-7

16x10

12x6

10x14

300 CFM

500 CFM

14x8

14x10

RTU7

SUPPLY MAIN DROP SIZE 14"X29"
RETURN MAIN DROP SIZE 29"X11"

24x18

RELIEF AIR LOUVER L-1, MOUNTED 20'-4" A.F.F.

24x10

1,500 CFM 1,500 CFM

1 HVAC - FLOOR PLAN
M1.1 SCALE: 3/32" = 1'-0"

RTU6

SUPPLY MAIN DROP SIZE14"X29"
RETURN MAIN DROP SIZE 11"X29"

RTU8

SUPPLY MAIN DROP SIZE 15"X19"
RETURN MAIN DROP SIZE 15"X19"

RTU8

RTU-8

12x18

300 CFM 12x6

10x6

EDH-1

THERMOSTAT FOR EDH-1

14x6

10x18

1250 CFM

400 CFM

12x6

300 CFM

2 HVAC - MEZZANINE PLAN
M1.1 SCALE: 3/32" = 1'-0"

ROBERTSON LOIA ROOF
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BOBBY G. BEACH REGISTERED ENGINEER No. 102135 STATE OF TENNESSEE

KROGER V-433
Highway 51 and Kimbrough Road
Atoka, TN
FOR:
Kroger - Delta Division
800 Ridge Lake Blvd.
Memphis, TN 38120

REVISIONS

SHEET TITLE
FLOOR PLAN - HVAC

DATE
09 - 16 - 05

PROJECT NUMBER
05-232

SHEET NUMBER
M1.1
OF 3

Updated: Tuesday, January 13, 2009 03:09:28pm
Plotted: Tuesday, January 13, 2009 03:09:28pm
Xrefs: H:\cad\ARCHITECTURAL\~$05\~$05-232\Vmgr Drawing Files\25_08232.dwg H:\cad\ELECTRICAL\~$05\~$05-232\Vmgr Drawing Files\E25_08232.dwg H:\cad\ELECTRICAL\~$05\~$05-232\Vmgr Drawing Files\E25_08232.dwg H:\cad\STRUCTURAL\Work_all\05232\S05232-3.dwg