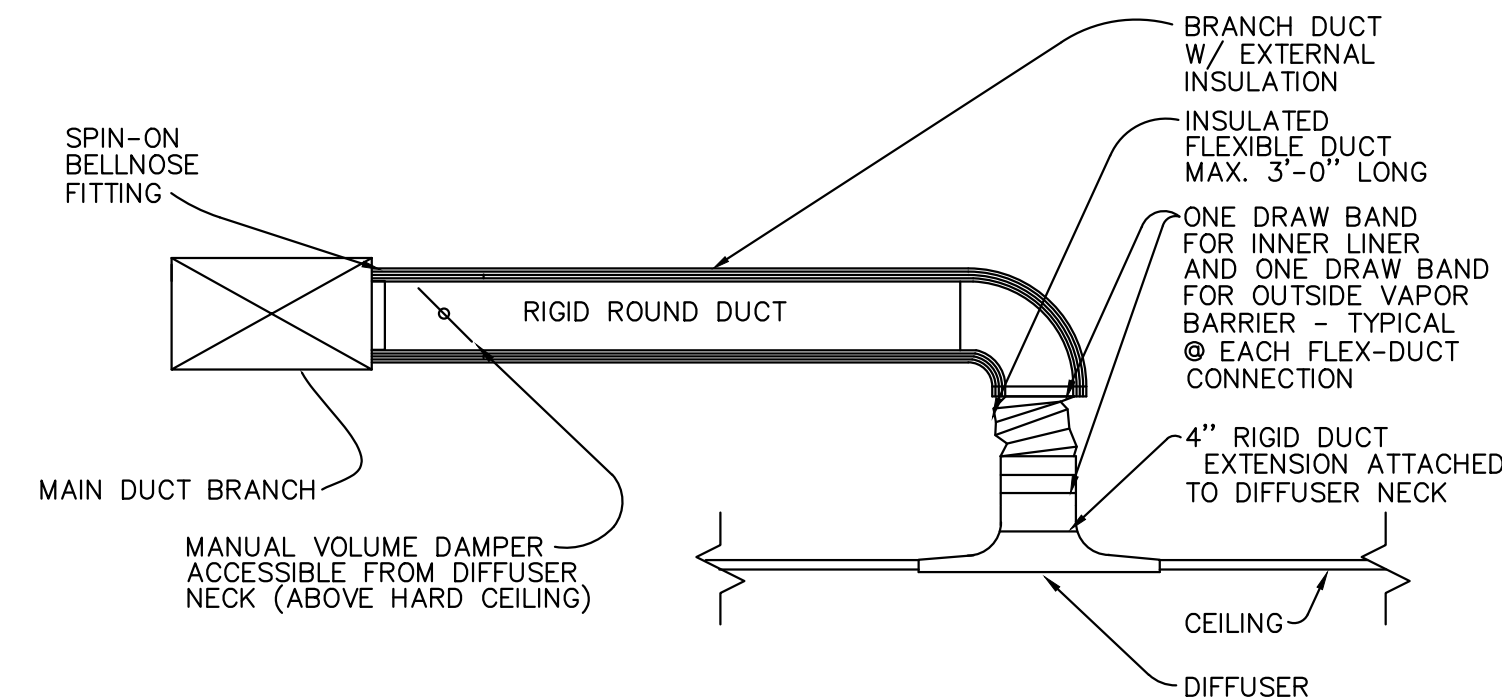
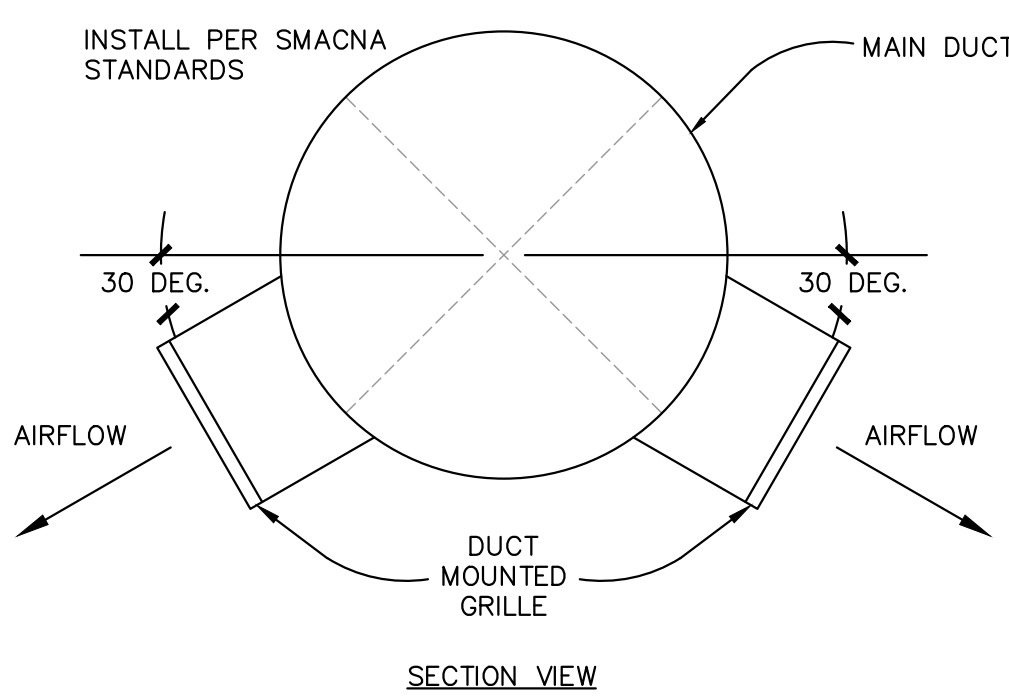


ABBREVIATIONS			
AC	AIR CONDITION (-ING, -ED)	INV	INVERT
AFF	ABOVE FINISHED FLOOR	KW	KILOWATT
AMP	AMPERE (AMP, AMPS)	LAT	LEAVING AIR TEMPERATURE
AP	ACCESS PANEL	LBS	POUNDS
BTU	BRITISH THERMAL UNIT	LWB	LEAVING WET BULB
CBV	CIRCUIT BALANCING VALVE	LWT	LEAVING WATER TEMPERATURE
CPH	CUBIC FEET PER HOUR	MA	MIXED AIR
CFM	CUBIC FEET PER MINUTE	MAX	MAXIMUM
CHW	CIRCULATING HOT WATER	MBH	THOUSAND BTU'S/HR
CHWR	CHILLED WATER RETURN	MIN	MINIMUM
CHWS	CHILLED WATER SUPPLY	MISC	MISCELLANEOUS
CLG	CEILING	NA	NOT APPLICABLE
CO	CLEANOUT	NC	NOISE CRITERIA
CR	CONDENSATE RETURN	NIC	NOT IN CONTRACT
CW	COLD WATER	NTS	NOT TO SCALE
DB	DECIBEL	OA	OUTSIDE AIR
DEMO	DEMOLITION	OB	OPPOSED BLADE DAMPER
DIA	DIAMETER	ORD	OVERFLOW ROOF DRAIN
DIFF	DIFFUSER	PH	PHASE (ELECTRICAL)
DWG	DRAWING	PVC	POLYVINYL CHLORIDE
DX	DIRECT EXPANSION	RA	RETURN AIR
EAT	ENTERING AIR TEMPERATURE	RD	ROOF DRAIN
ELEC	ELECTRICAL	REC	RECESSED
ELEV	ELEVATION	REL	RELIEF
EMS	ENERGY MANAGEMENT SYSTEM	RH	RELATIVE HUMIDITY
ESP	EXTERNAL STATIC PRESSURE	RM	ROOM
EWB	ENTERING WET BULB	RPM	REVOLUTIONS PER MINUTE
EWI	ENTERING WATER TEMPERATURE	SA	SUPPLY AIR
EXH	EXHAUST	SAN	SANITARY
EXIST	EXISTING	SD	SMOKE DAMPER
F	FAHRENHEIT	SF	SQUARE FEET
FSD	COMBINATION FIRE/SMOKE DAMPER	SP	STATIC PRESSURE
FCO	FLOOR CLEANOUT	SPEC	SPECIFICATION
FD	FIRE DAMPER	ST	STORM
FD	FLOOR DRAIN	STD	STANDARD
FDC	FIRE DEPARTMENT CONNECTION	TD	TEMPERATURE DIFFERENCE
FFE	FINISHED FLOOR ELEVATION	TSP	TOTAL STATIC PRESSURE
FLR	FLOOR	TYP	TYPICAL
FPM	FEET PER MINUTE	V	VOLTS
FT	FOOT OR FEET	VFD	VARIABLE FREQUENCY DRIVE
GA	GAGE OR GAUGE	VSD	VARIABLE SPEED DRIVE
GAL	GALLONS	VOL	VOLUME
GC	GENERAL CONTRACTOR	VTR	VENT THROUGH ROOF
GPH	GALLONS PER HOUR	W	WATTS
HP	HORSEPOWER	W/O	WITHOUT
HT	HEIGHT	WC	WATER CLOSET
HVAC	HEATING, VENTILATING, AIR CONDITIONING	WCO	WALL CLEANOUT
HW	HOT WATER	WT	WEIGHT
HZ	HERTZ		
ID	INSIDE DIAMETER		

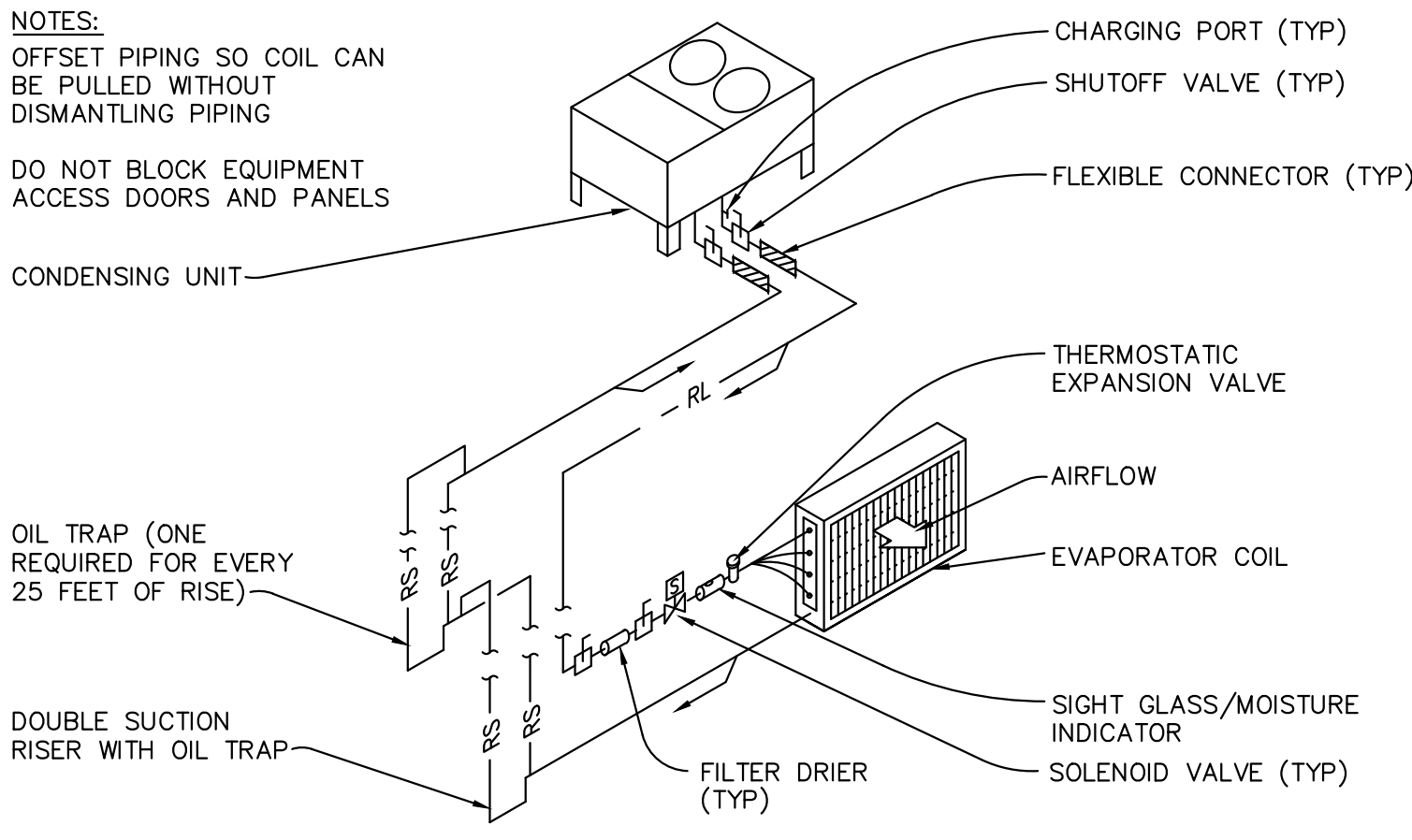
EQUIPMENT TAGS			
ACCU	AIR COOLED CONDENSING UNIT	GWH	GAS WATER HEATER
AHU	AIR HANDLING UNIT	HU	HUMIDIFIER
AHUP	AIR HANDLING UNIT PUMP	HUH	HORIZONTAL UNIT HEATER
BP	BOOSTER PUMP	HWP	HEATING WATER PUMP
CDWP	CONDENSER WATER PUMP	IH	INTAKE HOOD
CEF	CEILING EXHAUST FAN	MAU	MAKE-UP AIR UNIT
CHWP	CHILLED WATER PUMP	PCWP	PRIMARY CHILLED WATER PUMP
CP	CIRCUATING PUMP	PHWP	PRIMARY HEATING WATER PUMP
CPR	CONDENSATE PUMP AND RECEIVER	PRV	POWER ROOF VENTILATOR
CRP	CONDENSATE RETURN PUMP	REF	RELIEF EXHAUST FAN
CUH	CABINET UNIT HEATER	RF	RETURN FAN
DHC	DUCT HEATING COIL	RH	RELIEF HOOD
ECH	ELECTRIC CABINET HEATER	RTU	ROOFTOP UNIT
EF	EXHAUST FAN	SCWP	SECONDARY CHILLED WATER PUMP
EHC	ELECTRIC HEATING COIL	SEP	SEWAGE EJECTOR PUMP
ES	ELECTRONIC SENSOR	SHWP	SECONDARY HEATING WATER PUMP
EUH	ELECTRIC UNIT HEATER	SP	SUMP PUMP
EW	ELECTRIC WATER COOLER	TF	TRANSFER FAN
EWI	ELECTRIC WATER HEATER	USF	UTILITY SET FAN
FCU	FAN COIL UNIT	VAV	VARIABLE AIR VOLUME BOX
FPB	FAN POWERED VARIABLE AIR VOLUME BOX	VUH	VERTICAL UNIT HEATER
		WS	WATER SOFTENER



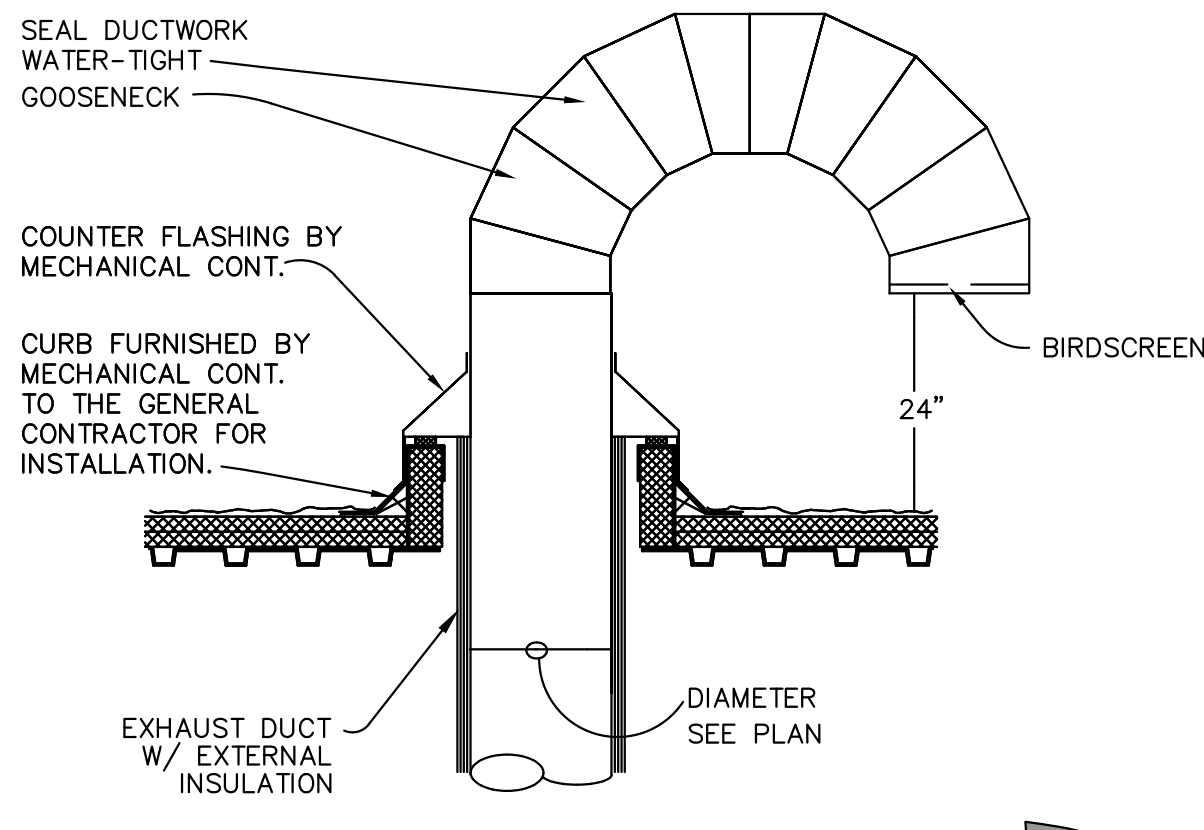
1 TYP. DIFFUSER/DUCT CONNECTIONS
NO SCALE
SURFACE MOUNT DIFFUSER



2 DUCT MOUNTED GRILLE
NO SCALE
























































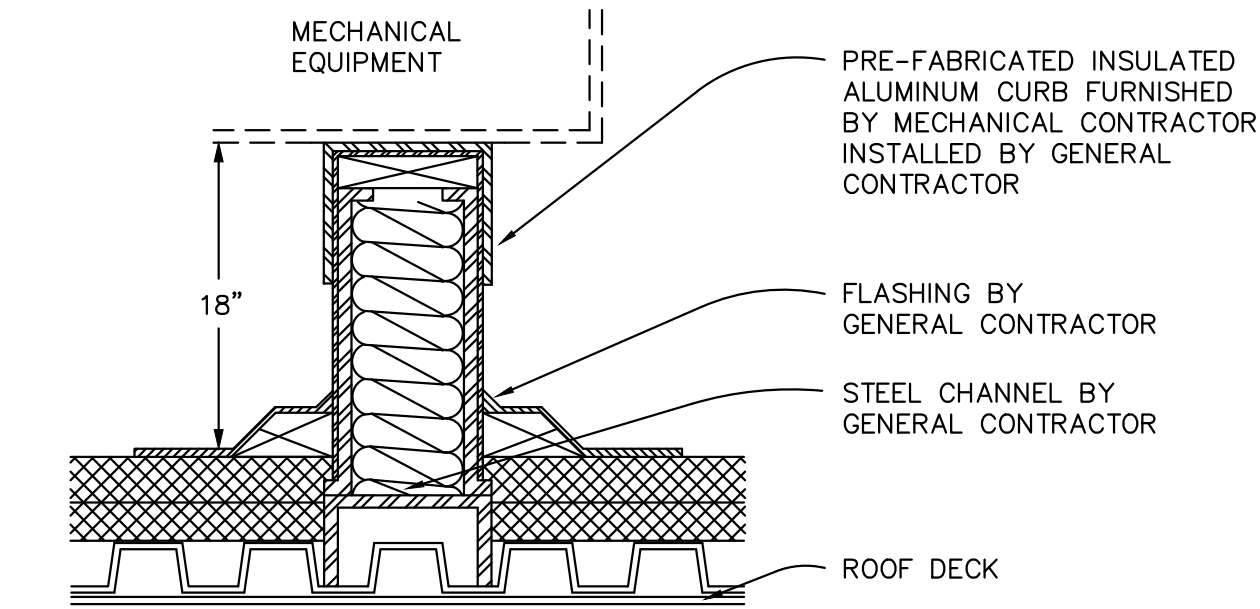
3 REFRIGERANT PIPING
NO SCALE



5 GOOSENECK VENT THRU ROOF
NO SCALE

HVAC SYMBOL LEGEND		
DUCTWORK		12/12
SUPPLY DUCT UP		12/12
SUPPLY DUCT DOWN		12/12
SUPPLY DUCT UP THROUGH ROOF		12/12
RETURN/RELIEF DUCT UP		12/12
RETURN/RELIEF DUCT DOWN		12/12
RETURN/RELIEF DUCT UP THROUGH ROOF		12/12
EXHAUST DUCT UP		12/12
EXHAUST DUCT DOWN		12/12
EXHAUST DUCT UP THROUGH ROOF		12/12
MANUAL VOLUME DAMPER		12/12
MOTORIZED DAMPER		12/12
REMOTELY ACCESSIBLE VOLUME DAMPER		12/12
FIRE DAMPER W/ACCESS PANEL		12/12
FIRE/SMOKE DAMPER W/ACCESS PANEL		12/12
SMOKE DAMPER W/ACCESS PANEL		12/12
DUCT RISE (OR DROP)		UP (OR DN)
EXISTING DUCTWORK TO REMAIN		12/12
EXISTING DUCTWORK TO BE REMOVED		
SUPPLY AIR TERMINAL		
RETURN/EXHAUST/TRANSFER AIR TERMINAL		
VAV BOX		
ACCESS PANEL		A/P
THERMOSTAT		T
TEMPERATURE SENSOR		S
SMOKE DETECTOR		SD
CO2 SENSOR		C
LONG RADIUS ELBOW		
SHORT RADIUS ELBOW WITH VANES		
DIFFUSER TYPE NECK SIZE		X XX" Ø XXX (X)

PLUMBING SYMBOL LEGEND					
	FLOOR DRAIN		ANCHOR		REDUCER
	FLOOR SINK W/HALF GRATE		PIPE FLANGE		FLOW ARROW
	FLOOR SINK W/FULL GRATE		PIPE GUIDE		STEAM TRAP (F&T)
	BALL VALVE		AIR CHAMBER		THERMOSTAT WELL
	GATE VALVE		WATER HAMMER ARRESTER		EXPANSION JOINT
	CHECK VALVE		WALL HYDRANT/ HOSE BIBB		FLEXIBLE CONNECTOR
	DRAIN VALVE		EXPANSION TANK		TEST PLUG
	2-WAY VALVE		WATER METER		STEAM TRAP (THERMOSTATIC)
	SOLENOID VALVE		FLOW METER		VACUUM RELIEF VALVE
	MOTORIZED VALVE		THERMOMETER		AQUASTAT
	EMERGENCY GAS SHUT-OFF VALVE		PRESSURE GAGE		PRESSURE REGULATOR
	THERMOSTATIC/PRESSURE BALANCE MIXING VALVE		STRAINER		PIPE DOWN
	TRAP PRIMING VALVE		PUMP		PIPE UP
	PRESSURE RELIEF VALVE		PLUMBING FIXTURE TAG		TEE DOWN
	BUTTERFLY VALVE		FLOOR RECEPTOR TAG		UNION
	GLOBE VALVE		FLOW SWITCH		PIPE CAP
	CIRCUIT BALANCING VALVE		3-WAY VALVE		PIPE BREAK
	PLUG VALVE		BACKFLOW PREVENTER		

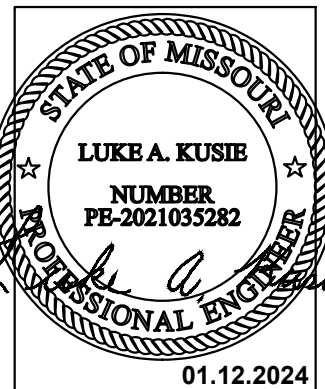


4 MECH EQUIPMENT CURB DETAIL
NO SCALE



DAMIAN
FARRELL
DESIGN
GROUP

359 METTY DRIVE, SUITE 4A
ANN ARBOR, MI 48103
tel: 734.998.1331



FOR PERMIT ISSUE

C3 - BRANSON MO

3125 GREEN MOUNTAIN DRIVE
BRANSON, MO 65616

DATE

12.28.2023
01.12.2024

DESCRIPTION

REVIEW SET
PERMIT SET

CHECKED

LAK

DRAWN

TMS

HEI PROJECT NO.

R23-4590.006

MECHANICAL
TITLE SHEET
AND DETAILS

Mo.o