

STORE NUMBER: 4522

800 EAST WEST CONNECTOR
AUSTELL, GA

PROJECT TYPE: Health Hub and Reset

DEAL TYPE:

CS PROJECT NUMBER: 134320

ARCHITECT OF RECORD



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REVISIONS:

CVS PROJECT MANAGER: SB

DRAWING BY: ZTM

DATE: 07-22-2019

JOB NUMBER: 121-12600-08

TITLE:

HVAC LEGEND
AND ABBREVIATIONS

SHEET NUMBER:

M1

COMMENTS:

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	FCO	FLOOR CLEANOUT	RA	RETURN AIR
AH	AIR HANDLER	FCU	FAN COIL UNIT	RAD	RETURN AIR DIFFUSER
AHU	AIR HANDLING UNIT	FD	FIRE DAMPER	RC	ROOF CONDUCTOR
ARCH	ARCHITECTURAL	FD	FLOOR DRAIN	RD	ROOF DRAIN
BDD	BACK DRAFT DAMPER	FDC	FIRE DEPARTMENT CONNECTION	RE	REFER TO
BHP	BRAKE HORSEPOWER	FL	FIRE LINE	REQD	REQUIRED
BS	BRANCH SELECTOR BOX	FP	FIRE PROTECTION	RG	RETURN GRILLE
BTU	BRITISH THERMAL UNIT	FS	FLOOR SINK	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
BTUH	BRITISH THERMAL UNIT PER HOUR	FSD	COMBINATION FIRESMOKE DAMPER	RFM	REVOLUTIONS PER MINUTE
BV	BALANCING VALVE	FU	FIXTURE UNITS	S	SINK
CD	CONDENSATE DRAIN	G	GAS PIPING	SA	SUPPLY AIR
CFH	CUBIC FEET PER HOUR	GC	GENERAL CONTRACTOR	SAD	SUPPLY AIR DIFFUSER
CFM	CUBIC FEET PER MINUTE	GCO	TWO-WAY GROUND CLEANOUT	SAN	SANITARY
CHWR	CHILLED WATER RETURN	GPM	GALLONS PER MINUTE	SD	SMOKE DAMPER
CHWS	CHILLED WATER SUPPLY	HB	HOSE BIBB	SD	SMOKE DETECTOR
C	CENTERLINE	HCO	HORIZONTAL CLEANOUT	SEER	SEASONAL ENERGY EFFICIENCY RATING
CO	CLEANOUT	HHWR	HEATING HOT WATER RETURN	SF	SQUARE FEET
CO ₂	CARBON DIOXIDE	HHWS	HEATING HOT WATER SUPPLY	SG	SUPPLY GRILLE
COND	CONDENSATE	HP	HEAT PUMP	SR	SUPPLY REGISTER
CONT	CONTINUATION	HP	HORSEPOWER	SS	SANITARY SEWER
CU	CONDENSING UNIT	HW	DOMESTIC HOT WATER	ST	STORM PIPE
CUH	CABINET UNIT HEATER	HWR	HEATING HOT WATER RETURN	TG	TRANSFER GRILLE
CW	DOMESTIC COLD WATER	IE	INVERT ELEVATION	TP	TRAP PRIMER
CWR	COOLING WATER RETURN	L	LAVATORY	TU	TERMINAL UNIT
CWS	COOLING WATER SUPPLY	LAT	LEAVING AIR TEMPERATURE	TYP	TYPICAL
CVV	COMBINATION WASTE & VENT	LD	LINEAR DIFFUSER	UF	UNDER FLOOR
DB	DRY BULB	LWT	LEAVING WATER TEMPERATURE	UH	UNIT HEATER
DFU	DRAINAGE FIXTURE UNITS	MD	MOTORIZED DAMPER	UR	URINAL
DMPR	DAMPER	MEH	1000 BTUHR	V	VARIABLE AIR VOLUME
DN	DOWN	MCA	MINIMUM CIRCUIT AMPS	VV	VARIABLE FREQUENCY DRIVE
DP	DRAIN PUMP	MECH	MECHANICAL	VTR	VENT THROUGH ROOF
DS	DOWNSPOUT	MEZZ	MEZZANINE	VTW	VENT THROUGH WALL
DX	DIRECT EXPANSION	MS	MOP SINK	W	WASTE
(E)	EXISTING	NG	NATURAL GAS	WB	WET BULB
EA	EACH	NK	NECK	WC	WATER CLOSET
EA	EXHAUST AIR	NTS	NOT TO SCALE	WCO	WALL CLEAN OUT
EAD	EXHAUST AIR DIFFUSER	OA	OUTSIDE AIR	WDB	WALL DRAIN BOX
EAT	ENTERING AIR TEMPERATURE	ORC	OVERFLOW ROOF CONDUCTOR	WH	WALL HYDRANT
EER	ENERGY EFFICIENCY RATING	ORD	OVERFLOW ROOF DRAIN	WH	WATER HEATER
EF	EXHAUST FAN	OST	OVERFLOW STORM PIPE	WPS	WATER PURIFICATION SYSTEM
EG	EXHAUST GRILLE	PCO	PLUG CLEANOUT		
ELEC	ELECTRICAL	PD	PRESSURE DRAIN		
ELEV	ELEVATION	PD	PUMP DRAIN		
ERV	ENERGY RECOVERY VENTILATOR	PLBG	PLUMBING		
ESP	EXTERNAL STATIC PRESSURE	PRV	PRESSURE REDUCING VALVE		
ET	EXPANSION TANK	PSI	POUND PER SQUARE INCH		
EWC	ELECTRIC WATER COOLER				
EWT	ENTERING WATER TEMPERATURE				

HVAC LEGEND

	THERMOSTAT CONTROL
	SMOKE DETECTOR
	TEMPERATURE SENSOR RE: MINUTE 12
	CARBON DIOXIDE SENSOR
	SUPPLY DUCT CONNECTION
	RETURN DUCT CONNECTION
	VOLUME CONTROL DAMPER
	FIRE DAMPER
	CEILING SUPPLY DIFFUSER
	CEILING RETURN GRILLE
	EXISTING SUPPLY GRILLE
	EXISTING RETURN GRILLE
	REMOVE EXISTING DUCTWORK
	NOTES BY SYMBOL
	NEW TO EXISTING CONNECTION
	RECTANGULAR TRANSITION
	RECTANGULAR TO ROUND TRANSITION
	FLEX DUCT
	SIDEWALL GRILLE
	LINEAR DIFFUSER
	UNIT HEATER
	POINT OF DEMOLITION
	CONNECT NEW TO EXISTING

GRILLE, REGISTER, DIFFUSER SCHEDULE

TAG	SERVICE	NECK SIZE	FRAME SIZE	FINISH	ACCESSORIES	MATERIAL	FINISH	MODEL NUMBER	REMARKS
SD-1	SUPPLY	8"0	12"1	SURFACE MOUNT	NONE	STEEL	OFF WHITE	5500	4-WAY
RD-1	RETURN	8"0	12"1	SURFACE MOUNT	NONE	STEEL	OFF WHITE	CC1	4-WAY

NOTE: 1. MODEL NUMBER IS METAL FRAME UNLESS OTHERWISE NOTED.
2. PROVIDE TRANSITION DIFFUSERS WHERE REQUIRED.

MINI SPLIT UNIT SCHEDULE

TAG	COOLING CAPACITY (MBH)	OPERATING VOLTAGE	FLAMOCP	REMARKS
AHU-1	11.1	208/160	---	1-5
CU-1	---	8"0	12/15	1,2,5
AHU-2	11.1	208/160	---	1-5
CU-2	---	8"0	12/15	1,2,5
AHU-3	11.1	208/160	---	1-5
CU-3	---	8"0	12/15	1,2,5

PROVIDE MINI SPLIT SYSTEM FROM ONE OF THE FOLLOWING PREFERRED MANUFACTURERS: MITSUBISHI, PANASONIC OR FUJITSU.
BASIS OF DESIGN, MITSUBISHI SLZ-KA12NA/SUZ-KA12NA
WIRELESS REMOTE CONTROLLER.
PROVIDE CONDENSATE DRAIN PUMP, RE: MECHANICAL NOTES.
INSTALL PER MANUFACTURER INSTRUCTIONS

MECHANICAL NOTE

THE MECHANICAL CONTRACTOR TO FURNISH CONDENSATE PUMP FOR EACH AIR HANDLER UNIT AS WELL AS CONDENSATE DRAIN PIPING. CONDENSATE DRAIN PIPE SHALL BE INSTALLED FROM EACH CONDENSATE PUMP TO OUTLET AS REQUIRED BY CODE.

TABLE 403.3 OA REQUIREMENTS

ROOM	AREA (SF)	AREA RATE	AREA CFM	PEOPLE CALCULATION BASIS	NO OF PEOPLE	PEOPLE RATE	PEOPLE CFM	REQUIRED CFM
RETAIL HEALTH CLINIC	386	0.06 CFMSF	22	5 P / 1000 SF	1	5 CFM / P	5	27

TOTAL OUTSIDE AIR REQUIRED = 27 CFM

OUTSIDE AIR SHALL BE PROVIDED BY RETAIL HVAC UNIT.