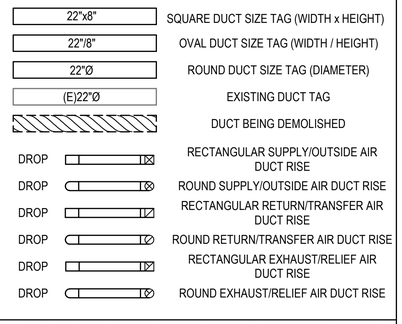
PROJECT ABBREVIATIONS

A/E	ARCHITECT / ENGINEER
AAV	AUTOMATIC AIR VENT
ACD	AUTOMATIC CONTROL DAMPER
AD	ACCESS DOOR
AF	AFTER FILTER
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MEASURING STATION
AHU	AIR-HANDLING UNIT
AMP	AMPERE
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
B	BOILER
BAS	BUILDING AUTOMATION SYSTEM
BBR	BASE BOARD RADIATOR
BE	BOTTOM ELEVATION
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BSC	BIOLOGICAL SAFETY CABINETS
BT	BLOWOFF TANK
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CV	CONSTANT AIR VOLUME
CC	COOLING COIL
CD	COOLING COIL CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFT	CUBIC FEET
CH	CHILLER
CHP	CHILLED WATER PUMP
CHS/R	CHILLER WATER
CL	CENTER LINE
CM	CUBIC METER
CM/S	CUBIC METER PER SECOND
CO	CLEAN OUT
COMP	COMPRESSOR UNIT
COP	COEFFICIENT OF PERFORMANCE
COR	CONTRACTING OFFICER REPRESENTATIVE
CP	CONDENSATE PUMP
CST	CONDENSATE STORAGE TANK
CSG	CLEAN STEAM GENERATOR
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONSTANT VOLUME
CWP	CONDENSER WATER PUMP
DDC	DIRECT DIGITAL CONTROLS
DIA	DIAMETER
DI	DEIONIZED WATER
DP	DEW POINT TEMPERATURE
DPS	DIFFERENTIAL PRESSURE SENSOR
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	EVAPORATIVE COOLER
ECC	ENGINEERING CONTROL CENTER
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ES	EMERGENCY GAS SHUTOFF
EGT	ENTERING GLYCOL TEMPERATURE
EH	EXHAUST HOOD
EJ	EXPANSION JOINT
ENT	ENTERING
ERC	ELECTRIC REHEAT COIL
ERP	ELECTRIC RADIANT PANEL
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETO	ETHYLENE OXIDE
EUH	ELECTRIC UNIT HEATER
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	FAHRENHEIT
F&T	FLOAT AND THERMOSTATIC
FA	FREE AREA
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FF	FINAL FILTER
FM	FLOW METER
FOP	FUEL OIL PUMP
FOT	FLAT ON TOP
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FPU	FAN POWERED TERMINAL UNIT
FRP	FIBER REINFORCED POLYESTER
FS	FLOW SWITCH
FSTAT	FREEZESTAT
FT	FEET
FT WC	FEET OF WATER COLUMN
FT-LB	FOOT-POUND
FV	FACE VELOCITY
GA	GAUGE
GAL	GALLONS
GH	GRAVITY HOOD
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GS	GALVANIZED STEEL
H	HUMIDIFIER
HB	HOSE BIBB
HC	HEATING COIL
HD	HOOD
HOA	HAND/OFF/AUTOMATIC
HP	HEAT PUMP
HP	HORSEPOWER
HRC	HEAT RECOVERY COIL
HRP	HYDRONIC RADIANT (CEILING) PANEL
HRW	HEAT RECOVERY WHEEL
HSTAT	HUMIDISTAT
HVU	HEATING AND VENTILATING UNIT
HWC	HOT WATER COIL
HWP	HEATING HOT WATER PUMP
HTX	HEAT EXCHANGER
HZ	HERTZ
I/O	INPUT/OUTPUT
IAQ	INDOOR AIR QUALITY
IBT	INVERTED BUCKET TRAP
ID	INSIDE DIAMETER
IFB	INTEGRAL FACE AND BYPASS
IN	INCHES
IN HG	INCHES OF MERCURY
IN WC	INCH WATER COLUMN
IN WG	INCH WATER GAUGE
IN-LB	INCH-POUND
IPLV	INTEGRATED PART LOAD VALUE
IRH	INFRARED HEATER
IU	INDUCTION UNIT
JB	JUNCTION BOX
JL	JUSTIFIED LEFT
JR	JUSTIFIED RIGHT
KG	KILOGRAM
KG/HR	KILOGRAM PER HOUR
kPa	KILOPASCAL
KW	KILOWATT
KWH	KILOWATT HOUR
LOOP	LOCK ONLY OPEN POSITION
LVG	LEAVING
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M	METER, SI UNIT
M/S	METERS PER SECOND (OR METERS/SECOND)
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MB	MIXING BOX
MBH	1,000 BTUH
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MER	MECHANICAL EQUIPMENT ROOM
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MH	MANHOLE
MHP	MOTOR HORSEPOWER
MIN	MINIMUM
MM	MILLIMETER
MOCP	MINIMUM OVERCURRENT PROTECTION
MOV	MOTOR OPERATED VALVE
MTD	MEAN TEMPERATURE DIFFERENCE
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NG	NATURAL GAS
NO	NORMALLY OPEN
NOM	NOMINAL
NPLV	NON-STANDARD PART LOAD VALUE
NPSH	NET POSITIVE SUCTION HEAD
NPSHA	NET POSITIVE SUCTION HEAD AVAILABLE
NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAD	OUTDOOR AIR DAMPER
OD	OUTSIDE DIAMETER
P	PUMP
Pa	PASCAL
PCF	POUNDS PER CUBIC FOOT (FEET)
PD	PRESSURE DROP
PF	PRE-FILTER
PG	PRESSURE GAGE
PHC	PREHEAT COIL
PPM	PARTS PER MILLION
PRS	PRESSURE REGULATING (VALVE) STATION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH – ABSOLUTE
PSIG	POUNDS PER SQUARE INCH – GAGE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
QNTY	QUANTITY
RA	RETURN AIR
RAF	RETURN AIR FAN
RAT	RETURN AIR TEMPERATURE
RD	REFRIGERANT DISCHARGE
REA	RELIEF AIR
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RLA	RUN LOAD AMPERE
RO	REVERSE OSMOSIS
RPM	REVOLUTIONS PER MINUTE
RS/RL	REFRIGERANT SUCTION AND REFRIGERANT LIQUID
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SCFM	STANDARD CUBIC FEET PER MINUTE
SCR	SILICON CONTROLLED RECTIFIER
SEA	SMOKE EXHAUST AIR
SEN	SENSIBLE HEAT
SF	SUPPLY FAN
SHC	STEAM HEATING COIL
SI	SQUARE INCHES
SP	STATIC PRESSURE
SP GR	SPECIFIC GRAVITY
SPS	STATIC PRESSURE SENSOR
SQ FT	SQUARE FOOT (FEET)
SS	STAINLESS STEEL
SSR	SOLID SEPARATOR
ST	STEAM TRAP
TAB	TESTING, ADJUSTING, BALANCE
TDH	TOTAL DYNAMIC HEAD
TDS	TOTAL DISSOLVED SOLIDS
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TU	TERMINAL UNIT
UC	UNDER CUT
UH	UNIT HEATER
V	VENT
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VP	VACUUM PUMP
VR	VACUUM (STEAM CONDENSATE) RETURN
W	WATTS
Wb	WET-BULB (TEMPERATURE)
WFMS	WATER FLOW MEASURING STATION
WG	WATER GAGE
WPD	WATER PRESSURE DROP
YR	YEAR

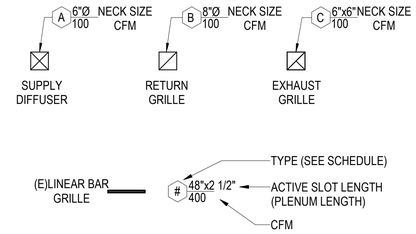
MECHANICAL SHEET INDEX

SHEET NUMBER	DRAWING TITLE
M-001	MECHANICAL LEGEND, ABBREVIATIONS, AND NOTES
M-002	MECHANICAL SPECIFICATIONS
M-003	MECHANICAL SCHEDULES
M-004	MECHANICAL DETAILS
M-005	MECHANICAL DETAILS
M-101	OVERALL MECHANICAL PLAN
M-101A	ENLARGED OFFICE MECHANICAL PLAN

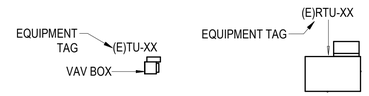
HVAC SYMBOLS AND ABBREVIATIONS



GRILLES, REGISTERS & DIFFUSERS TAG



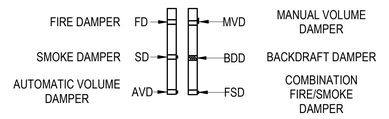
MECHANICAL EQUIPMENT TAGS



DATA DEVICE TAGS AND ABBREVIATIONS

DESCRIPTION	SYMBOL		DESCRIPTION
CARBON DIOXIDE SENSOR	CO2	TH RTU-XX	TEMPERATURE & HUMIDITY SENSOR
CARBON MONOXIDE SENSOR	CO	DIS	DISPLAY
NITROGEN DIOXIDE SENSOR	NO2	T TU-XX	THERMOSTAT
HUMIDITY SENSOR	HS	S	SENSOR
HUMIDISTAT	H	PS	PRESSURE SENSOR

DAMPER TAGS AND ABBREVIATIONS



SHEET NOMENCLATURE

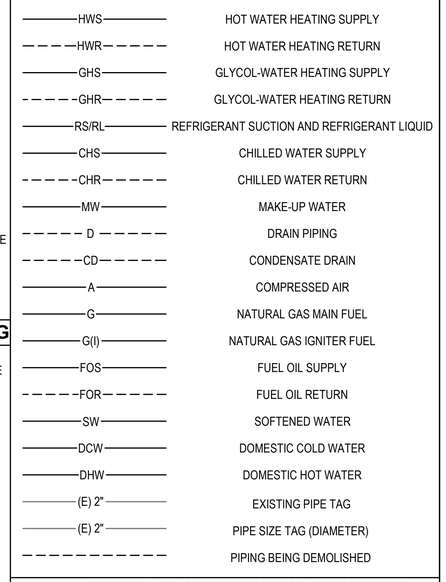
SERIES
0 - SYMBOLS AND NOTES
1 - PLAN VIEWS
3 - ELEVATIONS AND SECTIONS
4 - LARGE SCALE - PLANS AND SECTIONS
5 - SCHEMATICS AND DETAILS
6 - SCHEDULES
8 - CONTROLS

(S) STEAM
(H) HVAC
(P) PIPING
(D) DEMO
MECHANICAL → M P ###
SERIES

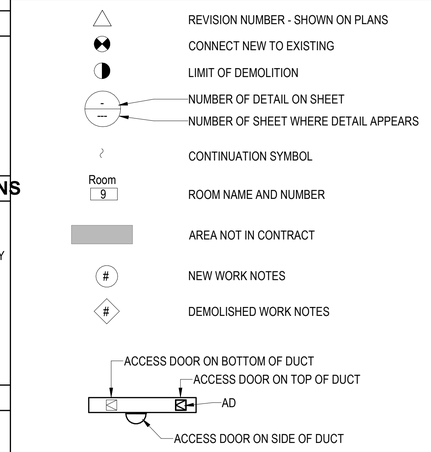
* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

PIPING SYMBOLS AND ABBREVIATIONS



GENERAL MECHANICAL SYMBOLS



CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
SUITE 100 CANTON, GA 30115
Phone: (770) 345-2579

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GEORGIA REGISTERED No. PE036664 PROFESSIONAL ENGINEER KRUNAL M PATEL

4-24-2026

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REVISIONS NO.	DATE:	ISSUE:

DRYWALL WAREHOUSE HWY 81

257 HIGHWAY 81
OXFORD, GA 30054
WALTON COUNTY, GEORGIA

MECHANICAL LEGEND, ABBREVIATIONS, AND NOTES

M-001

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