

CONTROLS

AIR PRESSURE GAUGE
AIR SAMPLING POINT
CARBON DIOXIDE SENSOR
CARBON MONOXIDE SENSOR
COMBUSTIBLE GAS SENSOR
CURRENT SENSOR
CURRENT TRANSMITTER WITH LEAD
DEWPOINT SENSOR
DIFFERENTIAL PRESSURE SENSOR
DIFFERENTIAL PRESSURE TRANSMITTER
FLOW METER
FLOW SWITCH
FLOW TRANSMITTER
FREEZE STAT
HAND SWITCH
HUMIDITY SENSOR
LEVEL CONTROL
LIMIT SWITCH
LOOP POWER INDICATOR
NITROGEN OXIDE SENSOR
OCCUPANCY SENSOR
OXYGEN SENSOR
POSITION INDICATOR
PRESSURE SENSOR
REFRIGERANT SENSOR
RELATIVE HUMIDITY SENSOR
RELAY
ROOM HUMIDITY SENSOR
STATIC PRESSURE SENSOR
TEMPERATURE SENSOR
THERMOSTAT
THERMOSTAT WITH GUARD
TOTAL VOLATILE ORGANIC COMPOUND SENSOR
VIBRATION SENSOR

CONTROLS

UNITARY HEATING COIL
UNITARY COOLING COIL
UNITARY HEAT RECOVERY COIL
FILTER
AIR BLENDER
ENERGY WHEEL
PLATE ENERGY RECOVERY COIL
AIR FLOW MEASURING STATION
BACKDRAFT DAMPER
REFRIGERANT HOT GAS
REFRIGERANT SUCTION
DAMPER ACTUATOR - ELECTRIC
CENTRIFUGAL FAN
PROP FAN
PLENUM FAN
HUMIDIFIER
ENERGY CORE
CONTACT
DDC PANEL
COMPUTER

FIRE PROTECTION

F(A) FIRE - ANTIFREEZE
F(CA) FIRE - CLEAN AGENT
F(D) FIRE - DELUGE
F(D) FIRE - DRAIN
F(DRY) FIRE - DRY
F(PA) FIRE - PRE-ACTION
FIRE - WET
SPRINKLER GUARD FOR UPTIGHT, PENDANT OR SIDEWALL SPRINKLER
AC ABBREVIATION FOR ANTICORROSION
HT ABBREVIATION FOR HIGH TEMPERATURE
SAN SPARE CABINET FOR 12 SPRINKLERS
DRAINAGE PIPING
FIRE EXTINGUISHER
SIAMISE FIRE DEPARTMENT CONNECTION
PRIVATE HYDRANT - ONE HOSE OUTLET
PUBLIC HYDRANT - TWO HOSE OUTLETS
PUBLIC HYDRANT - TWO HOSE OUTLETS/SAMPER CONNECTION
UPRIGHT SPRINKLER
PENDANT SPRINKLER
SIDEWALL SPRINKLER
DRY PENDANT SPRINKLER
DRY SIDEWALL SPRINKLER
FIRE ALARM CONTROL PANEL
FIRE VALVE CABINET
SPRINKLER CABINET
FIRE HOSE VALVE ASSEMBLY
FIRE DAMPER
SMOKE DAMPER
FIRE SMOKE DAMPER
DUCT MOUNTED SMOKE SENSOR
SUPERVISED BUTTERFLY VALVE
SUPERVISED BUTTERFLY VALVE NORMALLY CLOSED
SUPERVISED GATE VALVE
SUPERVISED OUSIDE SCREW AND YORK (OSS&Y) VALVE
SUPERVISED OS&Y VALVE
SUPERVISED WATERFLOW SWITCH
SUPERVISED BACKFLOW PREVENTER
WET ALARM CHECK VALVE WITH TRIMMING
DELUGE ALARM CHECK WITH TRIMMING
AIR MAINTENANCE DEVICE
FLOOR AIR COMPRESSOR TANK
MOUNTED AIR COMPRESSOR ASSEMBLY
DRY ALARM CHECK VALVE WITH TRIMMING
PREACTION ALARM CHECK VALVE WITH TRIMMING
BOOSTER PUMP (ALSANY PUMP)
TEST AND DRAIN VALVE
PRESSURE REDUCING VALVE
1-1/2 FIRE CONNECTION ANGLE VALVE
2-1/2 FIRE CONNECTION ANGLE VALVE
FLOOR CONTROL VALVE ASSEMBLY
CHECK VALVE
TREADED BALL VALVE
GROOVED BALL VALVE
HYDRAULIC GONG
ELECTRIC BELL
ELECTRIC WITH DRAIN 1 IN.
GROOVE ELBOW
GROOVE TEE
FIRE DEPARTMENT CONNECTION AND BACKFLOW PREVENTER
SIAMISE PROJECTING CONNECTION Y*
SIAMISE CONNECTION Y*+ FREE STANDING
BODY FOR FIRE DEPARTMENT CONNECTION AND BACKFLOW PREVENTER
CONCENTRIC GROOVED MECHANICAL REDUCER
GROOVED MECHANICAL TEE OR CAP
REDUCING COUPLING
THREADED MECHANICAL TEE OR CAP
THREADED MECHANICAL TEE
THREADED MECHANICAL TEE
HORIZONTAL SPLIT CASE FIRE PUMP
END SUCTION FIRE PUMP
VERTICAL IN-LINE FIRE PUMP
FIRE PUMP ANGLE BODY 4 WAY
JOCKEY PUMP
PREACTION CABINET
FIRE HOSE RACK
SEISMIC EXPANSION LOOP
WALL POST INDICATOR VALVE (PIV)
HANGER
HYDRANT VALVE CONTROL
WALL HYDRANT
WALL MOUNTED PORTABLE FIRE EXTINGUISHER
SEMI RECESSED CABINET FOR PORTABLE EXTINGUISHER

PLUMBING SYSTEMS

PIPE SIZE
PIPING ROUTED BELOW SLAB OR GRADE
ACID VENT
ACID WASTE
BOILER BLOWDOWN
COMPRESSED AIR (NOMINAL PRESSURE)
CONDENSATE DISCHARGE PUMPED
CONDENSATE DRAIN
DIONIZED WATER
DIONIZED WATER RECIRCULATING
DISTILLED WATER
DOMESTIC COLD WATER
DOMESTIC COLD WATER SOFTENED
DOMESTIC HOT WATER
DOMESTIC HOT WATER RECIRCULATION
DRAIN
GREASE WASTE
HUMIDIFICATION
LABORATORY VENT
LABORATORY WASTE
NATURAL GAS (LOW PRESSURE)
GARAGE DRAINAGE
NATURAL GAS VENT
MEDIUM PRESSURE GAS
NON-POTABLE COLD WATER
NON-POTABLE COLD WATER SOFTENED
NON-POTABLE HOT WATER
NON-POTABLE HOT WATER SOFTENED
PNEUMATIC TRANSPORT
PROPANE GAS
REVERSE OSMOSIS
REVERSE OSMOSIS RECIRCULATION
SAMPLING LINE
SANITARY DRAIN
SANITARY DRAIN (OIL)
SANITARY PUMPED
SANITARY RADIOACTIVE
STORM DRAIN
STORM DRAIN OVERFLOW
STORM DRAIN PUMPED
VACUUM (AIR)
VACUUM PUMP EXHAUST
VENT
VENT (OIL)
VENT (SEWAGE EJECTOR)
PIPE INSULATION
FIXTURE TRAP
CATCH BASIN
MAN HOLE
ROOF DRAIN
FLOOR DRAIN
FUNNEL FLOOR DRAIN
TRAP PRIMER
HOSE BIBB
PLUMBING FIXTURES
ANESTHETIC EVACUATION
CARBON DIOXIDE
DENTAL COMPRESSED AIR
DENTAL VACUUM
HELIUM
HYDROGEN
INSTRUMENT AIR
LABORATORY COMPRESSED AIR
LABORATORY VACUUM
MEDICAL AIR
MEDICAL VACUUM
NITROGEN
NITROUS OXIDE
OXYGEN
MEDICAL AIR OUTLET
MEDICAL VACUUM OUTLET
MEDICAL NITROGEN OUTLET
MEDICAL NITROUS OXIDE OUTLET
MEDICAL OXYGEN OUTLET
LAB AIR SINGLE BENCH OUTLET
LAB NITROGEN SINGLE BENCH OUTLET
LAB NITROUS OXIDE SINGLE BENCH OUTLET
LAB OXYGEN SINGLE BENCH OUTLET
LAB DOUBLE 45 DEGREE BENCH OUTLET
LAB DOUBLE BENCH OUTLET
LAB QUAD 45 DEGREE BENCH OUTLET
MEDICAL GAS MASTER ALARM PANEL
MEDICAL GAS AREA ALARM PANEL
MEDICAL GAS ZONE VALVE
BALL VALVE
CHECK VALVE

PIPING SYSTEMS (HVAC)

PIPE SIZE
BOILER BLOWDOWN
BOILER FEED WATER
BRINE RETURN
BRINE SUPPLY
CHILLED WATER RETURN
CHILLED WATER RETURN - GLYCOL
CHILLED WATER RETURN - PROCESS
CHILLED WATER SUPPLY
CHILLED WATER SUPPLY - GLYCOL
CHILLED WATER SUPPLY - PROCESS
CONDENSER WATER RETURN
CONDENSER WATER RETURN - COOLING TOWER
CONDENSER WATER SUPPLY
CONDENSER WATER SUPPLY - COOLING TOWER
DUAL TEMPERATURE RETURN (HOT OR CHILLED)
DUAL TEMPERATURE SUPPLY (HOT OR CHILLED)
FLUID COOLER FILTRATION SUPPLY
FLUID COOLER FILTRATION RETURN
FUEL OIL FILL
FUEL OIL RETURN
FUEL OIL SUPPLY
FUEL OIL VENT
HEAT RECOVERY LOOP RETURN
HEAT RECOVERY WATER SUPPLY
HEAT RECOVERY LOOP RETURN
HEAT RECOVERY LOOP SUPPLY
HEATING WATER RETURN
HEATING WATER RETURN - GLYCOL
HEATING WATER SUPPLY
HEATING WATER SUPPLY - GLYCOL
NATURAL GAS
NATURAL GAS VENT
RADIUM GAS
REFRIGERANT HOT GAS
REFRIGERANT LIQUID
REFRIGERANT SUCTION
REFRIGERANT VENT
STEAM (NOMINAL PRESSURE)
STEAM - CLEAN (NOMINAL PRESSURE)
STEAM CONDENSATE (NOMINAL PRESSURE)
STEAM PUMPED CONDENSATE (NOMINAL PRESSURE)
STEAM VENT
PIPE INSULATION

PIPING COMPONENTS

REAL OBJECT SYMBOL
ISOLATION VALVE (GENERIC)
GATE VALVE
GLOBE VALVE
BUTTERFLY VALVE NPS 6 AND LESS
BUTTERFLY VALVE NPS 8 AND MORE
BALL VALVE
PLUG VALVE
NEEDLE VALVE
CHECK VALVE (GENERIC)
BALANCING VALVE
FLOW LIMITING VALVE
PRESSURE REDUCING VALVE
2-WAY CONTROL VALVE (GENERIC)
TWO-WAY ELECTRIC CONTROL VALVE, BUTTERFLY TYPE
3-WAY CONTROL VALVE (GENERIC)
THREE-WAY ELECTRIC CONTROL VALVE, BUTTERFLY TYPE
SOLENOID 2-WAY CONTROL VALVE
SOLENOID 3-WAY CONTROL VALVE
FLOAT OPERATED VALVE ACTUATOR
SAFETY OR RELIEF VALVE
ANGLE VALVE
BOILER STOP AND CHECK VALVE
DOUBLE CHECK VALVE ASSEMBLY
MULTI-PURPOSE VALVE (SHUT-OFF, BALANCING AND CHECK)
REDUCE PRESSURE BACKFLOW PREVENTER
SUCTION DIFFUSER
PUMP (GENERIC)
Y-STRAINER (GENERIC)
STEAM TRAP (GENERIC)
AUTOMATIC AIR VENT
MANUAL AIR VENT
VACUUM BREAKER
SHOCK ABSORBER
TEMPERATURE GAUGE
PRESSURE GAUGE
TEMPERATURE AND PRESSURE TRAP
SIGHT FLOW GLASS
FLEXIBLE CONNECTOR
EXPANSION JOINT
GUIDE
ANCHOR
FLOW ARROW
PIPING SLOPE
PIPE CAP
PIPE BREAK
PIPE CROSS
PIPING ELBOW UP
PIPING ELBOW DOWN
PIPING TEE UP
PIPING TEE DOWN
UNION CONNECTION
FLANGED CONNECTION
CONCENTRIC REDUCER
ECCENTRIC REDUCER
STANDARD CLEAN-OUT IN LINE END OF RUN
STANDARD CLEAN-OUT THROUGH FLOOR END OF RUN
STANDARD CLEAN-OUT THROUGH FLOOR IN LINE
DIFFERENTIAL PRESSURE CONTROL VALVE
Y-PATTERN MANUAL BALANCING SHUT-OFF VALVE
PRESSURE INDEPENDENT CONTROL VALVE

WORK DEFINITION

NEW WORK (N)
EXISTING (E)
REMOVE EXISTING (D)
RELOCATE (R)
TEMPORARY, AS NOTED
FUTURE
KEY NOTE
EQUIPMENT IDENTIFICATION
CONNECTION TO EXISTING
DISCONNECT (CUT AND CAP)
(HVAC)
NOTE: ALL DUCT SIZES ARE INTERIOR, FREE DIMENSIONS ALWAYS WIDTH (HORIZONTAL DIM) x HEIGHT (VERTICAL DIM)

AIR FLOW WIDTH
RECTANGULAR DUCT AND SIZE*
ROUND DUCT AND SIZE*
FLAT OVAL DUCT AND SIZE*
EXTERIOR DUCT TREATMENT*
RECTANGULAR DUCT WITH ACOUSTIC LINING*
DUCT SECTION, SUPPLY AIR, APPLIES TO RECT., ROUND AND OVAL
DUCT SECTION, OUTSIDE AIR, APPLIES TO RECT., ROUND AND OVAL
DUCT SECTION, OUTSIDE AIR, APPLIES TO RECT., ROUND AND OVAL
DUCT SECTION, EXHAUST AIR, APPLIES TO RECT., ROUND AND OVAL
FLEXIBLE DUCT
ELBOW TURN, SUPPLY DOWN, APPLIES TO RECT., ROUND AND OVAL
DUCT SECTION, OUTSIDE AIR, APPLIES TO RECT., ROUND AND OVAL
DUCT SECTION, OUTSIDE AIR, APPLIES TO RECT., ROUND AND OVAL
DUCT SECTION, OUTSIDE AIR, APPLIES TO RECT., ROUND AND OVAL
DUCT SECTION, OUTSIDE AIR, APPLIES TO RECT., ROUND AND OVAL
DUCT SECTION, OUTSIDE AIR, APPLIES TO RECT., ROUND AND OVAL
DUCT SECTION, OUTSIDE AIR, APPLIES TO RECT., ROUND AND OVAL
CHANGE IN DUCT ELEVATION RISING IN DIRECTION INDICATED
CHANGE IN DUCT ELEVATION DIPPING IN DIRECTION INDICATED
END CAP
ELBOW, RECTANGULAR, SMOOTH RADIUS WITH SPLITTER VANES (0.25 RW DEFAULT)
ELBOW, RECTANGULAR, SMOOTH RADIUS WITHOUT VANES (1.5 RW DEFAULT)
MITERED ELBOW, RECTANGULAR, WITHOUT VANES
MITERED ELBOW, RECTANGULAR, WITH TURNING VANES
RECTANGULAR TO ROUND TRANSITION
DUCT ACCESS DOOR (TOP, SIDE, BOTTOM)
FLEXIBLE CONNECTION
BACKDRAFT DAMPER
CABLE OPERATED DAMPER
MANUAL DAMPER
MOTORIZED DAMPER
PRESSURE INDEPENDENT REGULATOR
FIRE DAMPER
SMOKE DAMPER
SMOKE AND FIRE DAMPER
DUCT SILENCER/TRANSFER ELBOW
CONTROL DEVICE (REFER TO CONTROLS LEGEND)
AIR FLOW MEASURING STATION (REFER TO CONTROLS LEGEND)
AIR OUTLET OR INLET TAG (REFER TO SCHEDULE)
RECTANGULAR DIFFUSER, SUPPLY
RECTANGULAR REGISTER OR GRILLE, RETURN
RECTANGULAR REGISTER OR GRILLE, EXHAUST
ROUND DIFFUSER, SUPPLY
LINEAR DIFFUSER
SIDEWALL REGISTER OR GRILLE, SUPPLY
SIDEWALL GRILLE, RETURN OR EXHAUST
UNDERCUT DOOR
DOOR GRILLE OR LOUVER
TRANSFER GRILLE OR LOUVER
COIL (REFER TO CONTROLS LEGEND)
QUANTITY
TYPE
SIZE (IN)
VOLUME (CFM)
LENGTH (FT.)
CAPACITY (MBH)

ABBREVIATIONS

AIR CONDITIONING UNIT
AUTOMATIC AIR VENT
AMERICANS WITH DISABILITIES ACT
ADJUSTABLE
ABOVE FINISHED CEILING
ABOVE FINISHED FLOOR
ABOVE FINISHED GRADE
ABOVE FINISH ROOF
AUTHORITY HAVING JURISDICTION
ACCESS PANEL
AIR PRESSURE DROP
AVERAGE
BUILDING AUTOMATION SYSTEM
BACKDRAFT DAMPER
BRAKE HORSEPOWER
BUILDING MANAGEMENT SYSTEM
BOTTOM OF DUCT
BOTTOM OF PIPE
BRITISH THERMAL UNIT
BRITISH THERMAL UNIT PER HOUR
COMPLETE WITH
CONSTANT AIR VOLUME
CIRCUIT BALANCING VALVE
CUBIC FEET PER MINUTE
DRY BULB TEMPERATURE
DECIBELS
WEIGHTED DECIBELS
DIRECT DIGITAL CONTROL
DEGREE
DIAMETER
EXHAUST AIR, DISHWASH
EXHAUST AIR, GENERAL
EXHAUST AIR, KITCHEN
EXHAUST AIR, LABORATORY
EXHAUST AIR, LAUNDRY/DRYER
EXHAUST AIR, WASHROOM
ENTERING AIR TEMPERATURE
EXHAUST AIR VALVE
ELECTRONICALLY COMMUNICATED MOTOR
EXISTING TO BE DEMOLISHED (DEMOLITION PLANS)
ENERGY EFFICIENCY RATIO
ETHYLENE GLYCOL
ENERGY MANAGEMENT CONTROL SYSTEM
EXISTING RELOCATED (NEW CONSTRUCTION PLANS)
EXISTING TO BE RELOCATED (DEMOLITION PLANS)
EXTERNAL STATIC PRESSURE
ENTERING WATER TEMPERATURE
EXISTING (DEMOLITION PLANS)
FAIL CLOSED
FILL LOAD AMPERAGE
FAIL OPEN
FIRE PROTECTION
FEET PER MINUTE
FEET PER SECOND
FOOT/FEET
GAUGE
GALLON (US)
GENERAL CONTRACTOR
GEODETIC
GALLONS PER MINUTE
HIGH EFFICIENCY PARTICULATE AIR (FILTER)
HORSEPOWER
HOUR
HEATING / VENTILATING / AIR CONDITIONING
HERTZ
INVERT ELEVATION
INTEGRATED ENERGY EFFICIENCY RATIO
INCHES
INCHES WATER GAUGE
REDUCED PART LOAD VALVE
KILOWATT
KILOWATT HOUR
LEAVING AIR TEMPERATURE
POUNDS
LINEAR FEET
LEAVING WATER TEMPERATURE
METER
MAXIMUM
THOUSAND OF BTUH
MINIMUM CIRCUIT AMPS
MINIMUM EFFICIENCY REPORTING VALUES
MANUFACTURER
MINIMUM
MAXIMUM OVERCURRENT PROTECTION
MEAN WATER TEMPERATURE
NOT APPLICABLE
NOISE CRITERIA
NORMALLY CLOSED
NOT IN CONTRACT
NOT NORMALLY OPEN
NOMINAL PIPE SIZE
NOT TO SCALE
OUTSIDE AIR
OWNER FURNISHED, CONTRACTOR INSTALLED
OWNER FURNISHED EQUIPMENT
OWNER FURNISHED / OWNER INSTALLED
PROPYLENE GLYCOL
POINT OF ENTRANCE
POINT OF SERVICE
PARTS PER MILLION
POUNDS PER SQUARE INCH
ABSOLUTE
POUNDS PER SQUARE INCH, GAGE
PNEUMATIC TUBE STATION
POLYVINYL CHLORIDE
RETURN AIR
RELIEF AIR
REQUIRED
RELATIVE HUMIDITY
REVOLUTIONS PER MINUTE
SUPPLY AIR
SEASONAL ENERGY EFFICIENCY RATIO
STATIC PRESSURE
STAR PRESSURIZATION AIR (*)
SAFETY RELIEF VALVE
TRANSFER AIR
TEMPERATURE
TOTAL STATIC PRESSURE
THERMOSTAT
TYPICAL
UNDER CUT (DOOR)
UNDERGROUND
UP
VARIABLE AIR VOLUME
VARIABLE FREQUENCY DRIVE
VERIFY IN FIELD
VENT-THRU-ROOF
WITH
WITHOUT
WET BULB TEMPERATURE
WATER GAUGE
ZONE
CELSIUS
FAHRENHEIT

EQUIPMENT IDENTIFICATION

AIR BLENDER
AIR COMPRESSOR
AIR CONDITIONING UNIT
AIR AND DIRT SEPARATOR
AIR FILTER
AIR HANDLING UNIT
AIR SEPARATOR
AIR TERMINAL UNIT
BOILER
BLOWER COIL UNIT
BATH TUB
CHILLED BEAM
COOLING COIL
CHILLER
CONVECTOR
CONDENSATE RETURN UNIT
COOLING TOWER
CONDENSING UNIT
CABINET UNIT HEATER
CONTROL VALVE
DOOR AIR CURTAIN
DUST COLLECTOR
DECONTAMINATION TANK
DOUBLE CHECK VALVE ASSEMBLY
DRINKING FOUNTAIN
DOOR GRILLE
DUCT SILENCER
DEHUMIDIFICATION UNIT
DOMESTIC WATER HEATER
EXHAUST GRILLE / REGISTER / DIFFUSER
EXPANSION LOOP
ENERGY RECOVERY COIL
ENERGY RECOVERY UNIT
EMERGENCY SHOWER
EXHAUST TERMINAL UNIT
ELECTRIC WATER COOLER
EYE WASH STATION
FAN CEILING
FAN EXHAUST
FAN LABORATORY EXHAUST
FAN RETURN
FAN SUPPLY
FAN TRANSFER
FAN
FLOOR DRAIN
FAN FILTER UNIT
FIRE PROTECTION PUMP
FAN POWERED TERMINAL UNIT
FINNED TUBE RADIATOR
FURNACE
GLYCOL FEED SYSTEM
GAS-FIRED STEAM GENERATOR(*)
HOOD (CANOPY)
HOOD (HEAT AND CONDENSATE)
HOOD (INTAKE)
HOOD (KITCHEN)
HOOD (RELIEF)
HOOD (RANGE)
HUMIDIFIER
HEATING COIL
HEAT PUMP
HEAT RECOVERY UNIT
HYDROPNEUMATIC TANK
HEAT EXCHANGER
LAB AIR TERMINAL UNIT
LABORATORY
MEDICAL AIR COMPRESSOR
MAKEUP AIR UNIT
MOTORIZED DAMPER
MOP SINK
MIXING VALVE
MEDICAL VACUUM PUMP
PUMP
POOL DEHUMIDIFICATION UNIT
PRESSURE REDUCING VALVE
PACKAGED TERMINAL AIR CONDITIONER
RETURN AIR GRILLE / REGISTER / DIFFUSER
ROOF DRAIN
RANGE HOOD
RADIANT PANEL
REDUCED PRESSURE BACKFLOW PREVENTER
ROOFTOP UNIT
SUPPLY GRILLE / REGISTER / DIFFUSER
SHOWER
SINK
SOLAR PANEL COLLECTOR
SIDE STREAM FILTER
TANK (BUFFER TANK)
TANK (EXPANSION TANK)
TANK (HYDRO PNEUMATIC TANK)
TANK (STORAGE TANK)
TRANSFER AIR GRILLE
UNIT HEATER
URNAL
UNFIRED STEAM GENERATOR
UNIT VENTILATOR
VALVE
VARIABLE FREQUENCY DRIVE
WATER CLOSET
WATER SOFTENER
LOUVER

DRAWING INDEX

| | |
|------|---|
| M500 | MECHANICAL SWITCHGEAR LEGEND AND ABBREVIATIONS |
| M501 | MECHANICAL SWITCHGEAR GENERAL NOTES AND SCHEDULES |
| M502 | MECHANICAL SWITCHGEAR ENLARGED PLAN |

The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

Full sized legible color plans are required to be provided by the permittee on site for inspection.

City of Puyallup Building Reviewed FOR COMPLIANCE

SKInnear
12/24/2024
11:47:52 AM

Approval of submitted plans is not an approval of omissions or oversights by this office or non compliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.

<https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections>

or call for Licensing Information: 1-800-647-0982

NOTE: NOT ALL SYMBOLS, SYSTEMS, AND ABBREVIATIONS MAY BE USED ON THIS PROJECT

720 3rd Avenue Suite 1500
Seattle Washington 98104-1876
(206) 467-0555

MECHANICAL DRAWINGS

CENTERS
VOLTAGE PARK UPS
1019 39th AVENUE SE
PUYALLUP, WA 98374

Revision No. Description Date

| | | |
|--|--|--|
| | | |
|--|--|--|

PRCTI20241741

City of Puyallup Development & Permitting Services ISSUED PERMIT

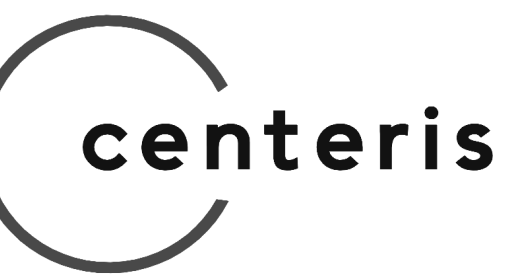
Building Planning
Engineering Public Works
Fire Traffic

Drawn By: Checked By:

| | |
|----|----|
| DD | JL |
|----|----|

MECHANICAL SWITCHGEAR BLDG 2 LEGEND AND ABBREVIATIONS

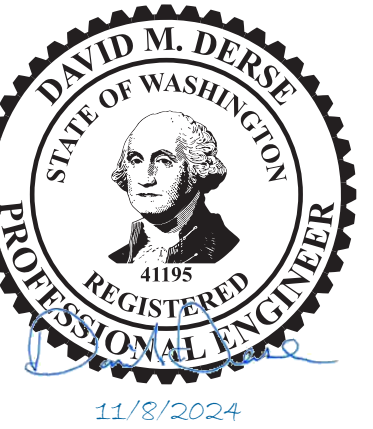
Sheet **M600**



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Seattle Washington 98104-1878
(206) 667-0555

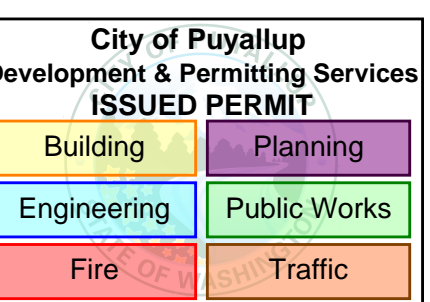
**MECHANICAL
DRAWINGS**

CENTERS
VOLTAGE PARK UPS
1019 39th AVENUE SE
PUYALLUP, WA 98374



Revision No. Description Date

PRCTI20241741



Drawn By: DO Checked By: JL

MECHANICAL
SWITCHGEAR BLDG 2
GENERAL NOTES AND
SCHEDULES

M601

Sheet

| FAN SCHEDULE | | | | | | | | | | | | | | | | |
|---------------------|--------|------------------|-------------------|-------------|-----------|-------------|-----------|-----|-------------|------------|------------|-------|-------------------------|--------------|--------------|-------|
| UNIT IDENTIFICATION | | | MAX AIRFLOW (CFM) | ESP (IN-WG) | FAN WHEEL | | FAN MOTOR | | | | ELECTRICAL | | OPERATING WEIGHT (LBS.) | MANUFACTURER | MODEL NUMBER | NOTES |
| MARK | NUMBER | UNIT/AREA SERVED | | | TYPE | SPEED (RPM) | BHP | HP | SPEED (RPM) | DRIVE TYPE | VOLTS | PHASE | | | | |
| TF | 1 | SWITCHGEAR ROOM | 200 | 0.25 | INLINE | 1,276 | 0.1 | 1/6 | 1,276 | DIRECT | 120 | 1 | 80 | GREENHECK | BSQ-90 | 1 |

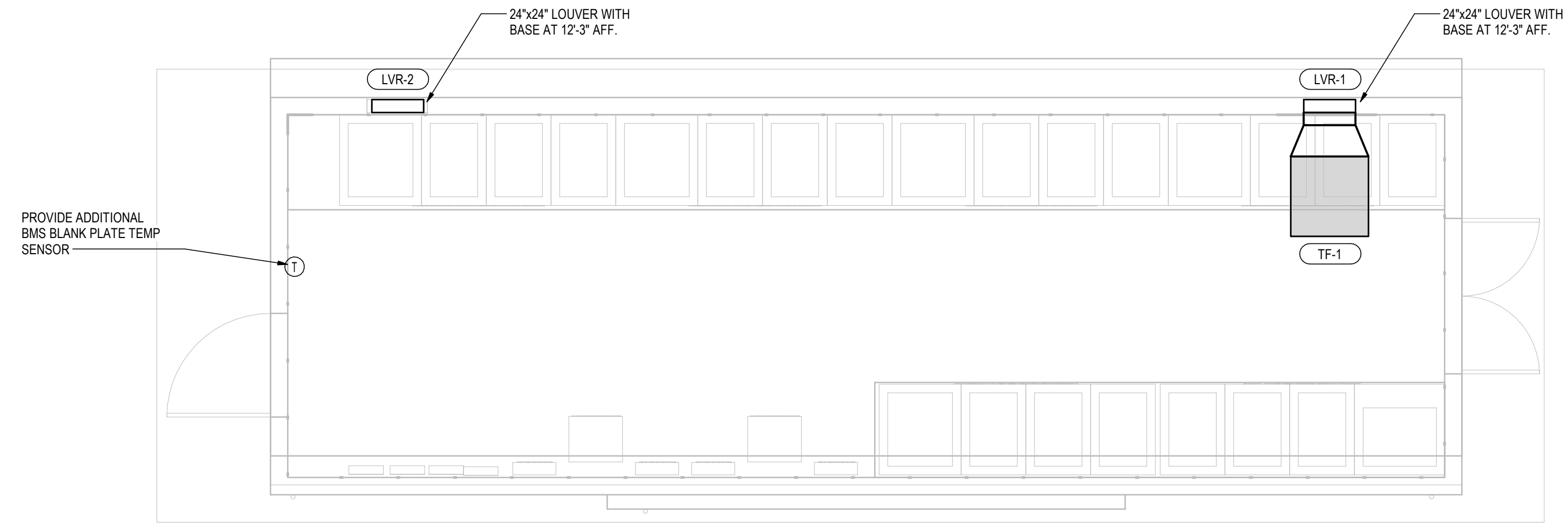
NOTES:
1. PROVIDE WITH SPEED CONTROLLER, BACKDRAFT DAMPER, LOCALLY ADJUSTABLE LINE VOLTAGE THERMOSTAT.

| LOUVER SCHEDULE | | | | | | | | | | |
|---------------------|--------|-----------------|------------|-----------------|----------------------|--------------------|----------|--------------|--------------|-------|
| UNIT IDENTIFICATION | | | TYPE | MAX APD ("W.C.) | BLADE TYPE | NET FREE AREA (SF) | SIZE (') | MANUFACTURER | MODEL NUMBER | NOTES |
| MARK | NUMBER | SYSTEM SERVED | | | | | | | | |
| LVR | 1 | SWITCHGEAR ROOM | STATIONARY | 0.1 | HORIZONTAL DRAINABLE | 1.94 | 2'X24' | RUSKIN | ELF375 | |
| LVR | 2 | SWITCHGEAR ROOM | STATIONARY | 0.1 | HORIZONTAL DRAINABLE | 1.94 | 2'X24' | RUSKIN | ELF375 | 1 |

NOTES:
1. PROVIDE WITH CLASS 1A MOTORIZED DAMPER INTERLOCKED WITH FAN OPERATION.

MECHANICAL
DRAWINGS

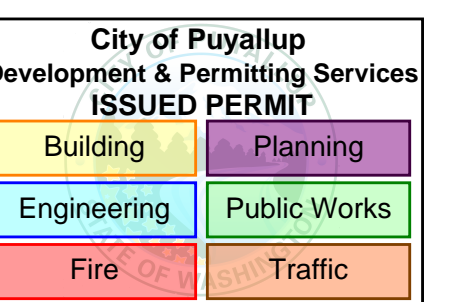
CENTERIS
VOLTAGE PARK UPS
1019 39th AVENUE SE
PUYALLUP, WA 98374



1 MECHANICAL SWITCHGEAR BLDG 2 ENLARGED PLAN
M602 1/4" = 1'-0"

Revision No. Description Date

PRCTI20241741



Drawn By: DO Checked By: JL

SWITCHGEAR BLDG 2
MECHANICAL
ENLARGED PLAN

Sheet **M602**