A

A	AMPERE
AA	AIR COOLED
AAV	AUTOMATIC AIR VENT
ABG	ABOVE FINISHED GRADE
AC	ALTERNATING CURRENT, ABOVE CEILING
A/C	AIR CONDITIONING
ACC	AIR COOLED CHILLER
ACDFC	AIR COOLED DRY FLUID COOLER
ACI	AMERICAN CONCRETE INSTITUTE
ACM	ASBESTOS CONTAINING MATERIAL
ACT	ACOUSTICAL CEILING TILE, ACCESS CONTROL TERMINAL
AD	ACCESS DOOR, AREA DRAIN
ADJ	ADJUSTABLE
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFR	ABOVE FINISHED ROOF
AH	AIR HANDLER
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
AIC	AMPERE INTERRUPTING CAPACITY
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	AIRPORT LIGHTING, ALUMINUM
AL-GL	ALUMINUM AND GLASS
ALUM	ALUMINUM
AMM	AMMETER
ANN	ANNUNCIATOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AO	ANALOG OUTPUT
AP	ANNUNCIATOR POINT, ACCESS PANEL
APD	AIR PRESSURE DROP
APPROX	APPROXIMATELY
ARCH	ARCHITECT, ARCHITECTURAL
ARTS	AUTOMATED RADAR
AS	AIR SEPARATOR
A/S	AUDIBLE STROBE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AT	AMPERE TRIP
ATBM	AIRWAY/TERMINAL BUILDING MAINTENANCE FACILITY
ATC	ACOUSTICAL TILE CEILING
ATC	AIR TRAFFIC CONTROL
ATCT	AIRPORT TRAFFIC CONTROL TOWER
ATS	AUTOMATIC TRANSFER SWITCH
ATV	ATMOSPHERIC VENT
AUX	AUXILIARY
AV	AUTOMATIC VENT
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY

B

BAT CHGR	BATTERY CHARGER
BBHWH	BASEBOARD HOT WATER HEATER
BC	BARE COPPER
BCKP	BACKUP
BDD	BACKDRAFT DAMPER
BF	BELOW FLOOR (PIPE SIZE)
BFC	BELOW FINISHED CEILING
BFP	BACKFLOW PREVENTER
BI	BACKWARD INCLINED
BITS	BYPASS ISOLATION TRANSFER SWITCH
BLDG	BUILDING
BLK	BLACK
BOD	BOTTOM OF DUCT, BACKDRAFT DAMPER
BOF	BOTTOM OF FIXTURE
BOP	BOTTOM OF PIPING
BOT	BOTTOM
BP	BOOSTER PUMP
BPU	BREAKER PROGRAMMING UNIT
BSDC	BARE SOFT DRAWN COPPER
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR

C

C	CONDUIT
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CB	CIRCUIT BREAKER
CBCR	CURVED BLADE CEILING REG.
CCTV	CLOSED CIRCUIT TELEVISION
CD	CEILING DIFFUSER, CONDENSATE DRAIN
CENT	CENTRIFUGAL
CENTRIF	CENTRIFUGAL
CAF	COMBUSTION AIR FAN
CF	CUBIC FOOT/FEET
CFACC	CENTRIFUGAL FAN AIR COOLED CONDENSER
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHKD	CHECKERED
CHW	CHILLED WATER
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CWP	CHILLED WATER PUMP
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
C.I.P.	CAST IN PLACE
CKT	CIRCUIT
CL	CENTERLINE
CLF	CURRENT LIMITING FUSE
CLG	CEILING
CLR	CLEAR
CM	COMMUNICATION MANHOLE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT, CONDUIT ONLY
COL	COLUMN
COMM	COMMUNICATIONS
CONC	CONCRETE
COND	CONDENSATE
CONFIG	CONFIGURATION
CONN	CONNECTION
CONT	CONTINUATION
CONTR	CONTRACTOR
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CPC	CRITICAL POWER CENTER
CPT	CARPET
CPU	CENTRAL PROCESSING UNIT
CR	CONTROL RELAY
CS	CONTROL SWITCH
CSF	CHEMICAL SHOT FEEDER
CT	COOLING TOWER, CABLE TRAY, CURRENT TRANSFORMER, CERAMIC TILE
CTL	CONTROL
CU	CONDENSING UNIT, COPPER
CU FT	CUBIC FOOT/FEET
CV	CONSTANT VOLUME, CONTROL VALVE
CVC	CENTRAL VACUUM CLEANER
CW	COLD (DOMESTIC) WATER
CWP	CONDENSER WATER PUMP, CHILLED WATER PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWV	COMBINATION WASTE AND VENT
CY YD	CUBIC YARD

D

D	DRAIN
DAMP	DAMPER
DB	DRY BULB, DIRECT BURIAL, DUCTBANK
DBL	DOUBLE
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREE
DEMO	DEMOLITION
DET	DETAIL
DG	DOOR GRILLE
DHW	DOMESTIC HOT WATER
DI	DIGITAL INPUT
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DISC	DISCONNECT
DF	DEGREES FAHRENHEIT
DM	DEMAND METER
DN	DOWN
DO	DIGITAL OUTPUT
DP	DIFFERENTIAL PRESSURE
DPDT	DOUBLE POLE DOUBLE THROW
D PNL	DISTRIBUTION PANEL
DPST	DOUBLE POLE SINGLE THROW
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
DSF	DESTRATIFICATION FAN
DT	DOUBLE THROW, DIAPHRAM TANK
DTS	DOUBLE THROW SWITCH
DWBP	DOMESTIC WATER BOOSTER PUMP
DWDI	DOUBLE WIDTH DOUBLE INLET
DWGS	DRAWINGS
DWL	DOWEL

E

E	EAST
EA	EACH, EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECP	ENGINE CONTROL PANEL
EDAM	ELECTRICAL DATA ACQUISITION AND MONITORING
EDH	~~ELECTRIC DUCT HEATER~~
EES	EARTH ELECTRODE SYSTEM
EF	~~EXHAUST FAN~~
EG, E/G	ENGINE GENERATOR, EXHAUST GRILLE EMERGENCY GENERATOR
EH	ELECTRIC HEATER, ELECTRONIC HUMIDIFIER
EHC	ELECTRIC HEATING COIL
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELEC	ELECTRIC
ELEV, EL	ELEVATION, ELEVATOR
EMCS	ENERGY MANAGEMENT AND CONTROL SYSTEM
EMERG	EMERGENCY
EMI	ELECTROMAGNETIC INTERFACE
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
ENT	ENTERING
EQ	EQUAL
EQUIP	EQUIPMENT
ER	EXHAUST REGISTER
ERMS	ENVIRONMENTAL REMOTE MONITORING SYSTEM
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EW	EACH WAY
EWC	ELECTRICAL WATER COOLER
EWH	ELECTRIC WALL HEATER, ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED, EXPANSION

F

F	FIRE WATER SUPPLY
°F	DEGREES FAHRENHEIT
FA	FIRE ALARM, FREE AREA, FAN COOLED, FRESH AIR
FAA	FEDERAL AVIATION ADMINISTRATION
FACP	FIRE ALARM CONTROL PANEL
FACT	FACTORY
FC	FACE OF CURB, FLEXIBLE CONNECTION
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FCV	FLOW CONTROL VALVE
FD	FLOOR DRAIN, FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FDR	FEEDER
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FLY FAN
FFE	FINISHED FLOOR ELEVATION
FG	FIBERGLASS
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHV	FIRE HOSE VALVE
FIG	FIGURE
FIN	FINISH
FLA	FULL LOAD AMPERES
FLR	FLOOR
FLEX	FLEXIBLE
FLS	FLOW SWITCH, FIRE AND LIFE SAFETY
FLUOR	FLUORESCENT
FM	FACTORY MUTUAL, FORCE MAIN
FO	FIBER OPTIC
FOD	FACE OPERATED DAMPER
FOG	FUEL OIL GAGE
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOT	FIBER OPTIC TERMINAL, FUEL OIL TRANSFER
FP	FIRE PUMP
FPM	FEET PER MINUTE
FPU	FIELD PROGRAMMING UNIT
FS	FLOW SWITCH, FLOOR SINK
FSD	FIRE/SMOKE DAMPER
FSS	FUSIBLE SAFETY SWITCH
FT	FEET
FTG	FOOTING, FITTING
FV	FULL VOLTAGE
FVC	FIRE VALVE CABINET
FW	FIRE WATER
FWS	FIRE WATER SUPPLY
FWD	FORWARD, FIRE SPRINKLER WATER DRAIN

G

G	GROUND
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GEN	GENERAL, GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFE	GOVERNMENT FURNISHED EQUIPMENT
GFM	GOVERNMENT FURNISHED MATERIAL
GND	GROUND CONNECTOR
GOVT	GOVERNMENT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GRN	GREEN
GRS	GALVANIZED RIGID STEEL
GUH	GAS FIRED UNIT HEATER
GWB	GYPSUM WALLBOARD
GYP	GYPSUM

H

HAZMAT	HAZARDOUS MATERIALS
HB	HOSE BIBB
HEX	HEXAGONAL
HH	HAND HOLE
HM	HOLLOW METAL
H. MET.	HOLLOW METAL
HOA	HAND-OFF-AUTOMATIC
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HR	HOUR
HS	HIGH STRENGTH
HSB	HIGH STRENGTH BOLT
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HU	HUMIDIFIER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HWP	HOT WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HWUH	HOT WATER UNIT HEATER
HX	HEAT EXCHANGER
HZ	HERTZ

I

IC	INTERCOMMUNICATION, INTERCOM
IE	INVERT ELEVATION
IN	INCHES
INCAND	INCANDESCENT
INCL	INCLUDE
INDIC	INDICATOR
INSUL	INSULATED
INT	INTERIOR
INV	INVERT
ISMS	INTEGRATED SECURITY MANAGEMENT SYSTEM

J

JB	JUNCTION BOX
JP	JOCKEY PUMP
JT	JOINT

K

KA	KILOAMPERES
KCMIL	THOUSAND CIRCULAR MILLS
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KVAR	KILOVOLT AMPERES-REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR

L

L&S	LOUVER AND SCREEN
LAT	LEAVING AIR TEMPERATURE
LBD	LINEAR BAR DIFFUSER
LBG	LINEAR BAR GRILLE
LBR	LINEAR BAR RETURN
LBS	POUNDS
LD	LINEAR DIFFUSER
LF	LINEAR FEET
LFS	LIGHTING FIXTURE SCHEDULE
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LOSP	LOCAL OPERATING STATUS PANEL
LP	LOW POINT
LRA	LOCKED ROTOR AMPERE
LRAG	LINEAR RETURN AIR GRILLE
LRG	LINEAR RETURN GRILLE
LS	LIGHT STANDARD
LSD	LINEAR SLOT DIFFUSER
LT	LIQUID TIGHT
LTG	LIGHTING
LV	LOW VOLTAGE
LVL	LEVEL
LWT	LEAVING WATER TEMPERATURE

M

MAG	MAGNETIC DOOR HOLD OPEN
MAINT	MAINTENANCE
MAX	MAXIMUM
MBH	THOUSAND BTU/HOUR
MBP	MAINTENANCE BYPASS PANEL
MCB	MOLDED CASE BREAKER
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILLS
MCP	MOTOR CIRCUIT PROTECTOR
MD	MANUAL DAMPER
MDF	MEDIUM DENSITY FIBERBOARD
MDT	MAIN DISTRIBUTION TERMINAL
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MG	MOTOR GENERATOR
MH	MANHOLE
MIL	THOUSANDTHS OF AN INCH
MIL ST	MILITARY STANDARD
MIN	MINIMAL, MINUTE, MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MM	MILLIMETER
MOD	MOTOR OPERATED DAMPER
MPG	MULTI-POINT GROUND
MTD	MOUNTED
MTL	METAL
MUA	MAKE-UP AIR
MUW	MAKE-UP WATER
MV	MANUAL VENT
MVA	MEGAVOLT AMPERE
MVD	MANUAL VOLUME DAMPER

SCALES SHOWN FOR 22" X 34" SHEET. ADJUST SCALES FOR OTHER SIZES. PAGE OF

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
1	08/05/2020	ISSUE FOR CONSTRUCTION			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

FORT LAUDERDALE AIRPORT TRAFFIC CONTROL TOWER
MAJOR IMPROVEMENTS
GENERAL
ABBREVIATIONS - SHEET 1

FT LAUDERDALE (INTERNATIONAL) FL

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WW JOB NUMBER: 219075.00

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