ABBREVIATIONS FOR DRAWINGS

ABBREV.	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AD	ACCESS DOOR
AD/PR	ACCESS DOOR/PRESSURE RELIEF
ACP	ACCESS PANEL
AC	AIR COMPRESSOR
A/C GAS	AIR CONDITIONING REFRIGERANT
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
AP	ALARM PANEL
AG	ARGON
AUX	AUXILLIARY
BCU	BLOWER COIL UNIT
BD	BLOWDOWN
B	BOILER
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BFP	BOILER FEED PUMPS
BF	BOOSTER FAN
BOT	BOTTOM
BOD	BOTTOM OF DUCT
BOI	BOTTOM OF INSULATION
BOP	BOTTOM OF PIPE
BAU	BREATHING AIR UNIT
BACNET	BUILDING AUTOMATION & CONTROLS NETWORK
CUH	CABINET UNIT HEATER
CLG	CEILING
CD	CEILING DIFFUSER
CS	CENTRIFUGAL SEPARATOR
CFP	CHEMICAL FEED PUMP
CBF	CHEMICAL BYPASS FEEDER
CTS	CHEMICAL TREATMENT SYSTEM
CHWP	CHILLED WATER PUMP
CWPP	CHILLED WATER PUMP PRIMARY
CWPS	CHILLED WATER PUMP SECONDARY
CH	CHILLER
CO	CLEANOUT
COTG	CLEANOUT TO GRADE
C	COMMON
CA	COMPRESSED AIR
CAD	COMPRESSED AIR DRYER
CAR	COMPRESSED AIR RECEIVER
CONC	CONCRETE
COND	CONDENSATE
CRU	CONDENSATE RETURN UNIT
CU	CONDENSING UNIT
CW	CONTAINMENT WASTE
CW-V	CONTAINMENT WASTE VENT
CONT.	CONTINUATION
CBD	CONTINUOUS BLOWDOWN
CONTR.	CONTRACTOR
CV	CONTROL VALVE
CC	COOLING COIL
CT	COOLING TOWER
CTP	COOLING TOWER PUMP
CTWR	COOLING TOWER WATER RETURN
CTWS	COOLING TOWER WATER SUPPLY
CWP	COOLING WATER PUMP
DEA	DEARATOR
DB	DECIBEL
DI	DEIONIZED WATER
DIR	DEIONIZED WATER RECLAIM
DIR-F	DEIONIZED WATER RECLAIM - FORCED
DIR-V	DEIONIZED WATER RECLAIM - VENT
DAD	DESICCANT AIR DRYER
DSF	DESTRATIFICATION FAN
DIA	DIAMETER
D	DIFFUSER
DX	DIRECT EXPANSION
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER (110F)
DHWR	DOMESTIC HOT WATER RECIRC
DTW	DOMESTIC TEPID WATER (85 DEG F)
DTWR	DOMESTIC TEPID WATER RETURN (85 DEG F)
DG	DOOR GRILLE
DH	DOOR HEATER
DN	DOWN
DWG.	DRAWING
DC	DUCT COIL
DF	DUCT FURNACE(GAS FIRED)
ECO	ECONOMIZER OR EXTERNAL CLEANOUT
ELECT	ELECTRICAL
EC	ELECTRICAL CONTRACTOR
EBR	ELECTRIC BASEBOARD RADIATION
EDH	ELECTRIC DUCT HEATER
EHC	ELECTRIC HEATING COIL
EUH	ELECTRIC UNIT HEATER
EL.	ELEVATION
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB
EWT	ENTERING WATER TEMP.
EWB	ENTERING WET BULB
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EA	EXHAUST AIR
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EH	EXHAUST HOOD
EL	EXHAUST LOUVER
ER	EXHAUST REGISTER
EP	EXHAUST PLENUM
EJ	EXPANSION JOINT
ET	EXPANSION TANK
ESP	EXTERNAL STATIC PRESSURE
ELB	SOUND ATTENUATION ELBOW
FCU	FAN COIL UNIT
FVV	FAN POWERED VAV BOX
F	FILTER
FAT	FINAL AIR TEMPERATURE
FFE	FINISHED FLOOR ELEVATION
FT	FINNED TUBE RADIATION
FW	FIRE WATER
FST	FLASH STEAM
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FL	FLOOR
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FO	FLOOR OPENING
FM	FLOW METER
FS	FREEZE STAT
FW	FREEZELESS WALL HYDRANT
FO	FUEL OIL
FOP	FUEL OIL PUMP
GB	GAS BURNER
GWH	GAS WATER HEATER
GCO2	GASEOUS CARBON DIOXIDE
GN2	GASEOUS NITROGEN
GAP	GAUGE ALARM PANEL
GC	GENERAL CONTRACTOR
GV	GRAVITY VENTILATOR
HD	HEAT DETECTOR
HV	HEATING AND VENTILATING UNIT
HC	HEATING COIL
HVAC	HEATING,VENTILATING & AIR CONDITIONING UNIT

ABBREV.	DESCRIPTION
HCU	HEATING & COOLING UNIT
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HHWPP	HEATING HOT WATER PRIMARY PUMP
HWP	HEATING WATER PUMP
HHWSP	HEATING WATER SECONDARY PUMP
HRC	HEAT RECOVERY COIL
HRP	HEAT RECOVERY PUMP
HRU	HEAT RECOVERY UNIT
HRWR	HEAT RECOVERY WATER RETURN
HRWS	HEAT RECOVERY WATER SUPPLY
HX	HEAT EXCHANGER
HE	HELIUM
HZ	HERTZ
HORIZ	HORIZONTAL
HB	HOSE BIBB
HWB	HOT WATER BOILER
HUM	HUMIDIFIER
HY	HYDROGEN
HUH	HYDRONIC UNIT HEATER
IW	INDUSTRIAL WASTE
IWP	INDUSTRIAL WASTE - PUMPED
IWV	INDUSTRIAL WASTE VENT
IWW	INDUSTRIAL WASTEWATER
IWWV	INDUSTRIAL WASTEWATER VENT
ID	INSIDE DIAMETER OR INDIRECT DRAIN LINE
IDF	INDUCED DRAFT FAN
IBD	INVERTED BELL DRAIN
IE	INVERT ELEVATION
IH	INTAKE HOOD
KW	KILOWATT
LAT	LATENT
LDB	LEAVING DRY BULB
LWT	LEAVING WATER TEMP.
LWB	LEAVING WET BULB
LD	LINEAR DIFFUSER
LCO2	LIQUID CARBON DIOXIDE
LN2	LIQUID NITROGEN
MAU	MAKEUP AIR UNIT
MAX.	MAXIMUM
MC	MECHANICAL CONTRACTOR
MID	MIDDLE
MIN.	MINIMUM
MB	MIXING BOX
MCC	MOTOR CONTROL CENTER
MOD	MOTOR OPERATED DAMPER
MV	MIXING VALVE
NG	NATURAL GAS
NGV	NATURAL GAS VENT
NPW	NON-POTABLE WATER
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OAIH	OUTSIDE AIR INTAKE HOOD
OAIL	OUTSIDE AIR INTAKE LOUVER
OD	OUTSIDE DIAMETER
PH	PENTHOUSE
PC	PLUMBING CONTRACTOR
PHC	PREHEAT COIL
PRV	PRESSURE REDUCING VALVE
PCHR	PRIMARY CHILLED WATER RETURN
PCHS	PRIMARY CHILLED WATER SUPPLY
P	PUMP
RCP	RADIANT CEILING PANEL
RAD	REFRIGERATED AIR DRYER
RCMP	REFRIGERANT COMPRESSOR
%RH	RELATIVE HUMIDITY
RH	RELIEF HOOD
RV	RELIEF VALVE
RA	RETURN AIR
RF	RETURN FAN
RG	RETURN GRILLE
RO	REVERSE OSMOSIS RETURN
RO	REVERSE OSMOSIS SUPPLY
RO	REVERSE OSMOSIS WATER
RPBP	BACKFLOW PREVENTER
SC	SAMPLE COOLER
SANV	SANITARY VENT
SAN	SANITARY WASTE
SST	SATURATED SUCTION TEMP.
SM	SHEET METAL
SSF	SIDE STREAM FILTER
SDI	SMOKE DETECTOR IONIZATION
SWP	SOFT WATER PUMP
SPEC	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
SP	STATIC PRESSURE
STM	STEAM
SB	STEAM BOILER
SCP	STEAM CONDENSATE PUMP
ST	STORM WATER
SUMPP	SUMP PUMP
SA	SUPPLY AIR
SAD	SUPPLY AIR DIFFUSER
SD	SMOKE DETECTOR
SF	SUPPLY FAN
SR	SUPPLY REGISTER
ST OF	STORM OVERFLOW
T	TANK
TEMP	TEMPERATURE
TD	TEMPERATURE DIFFERENCE
TS	TEMPERATURE SWITCH
TW	TEPID WATER
TOD	TOP OF DUCT
TOP	TOP OF PIPE
TOS	TOP OF STEEL
TSP	TOTAL STATIC PRESSURE
TA	TRANSFER AIR
TAG	TRANSFER AIR GRILLE
TG	TRANSFER GRILLE
TP	TRAP PRIMER
TYP	TYPICAL
UH	UNIT HEATER
VB	VALVE BOX
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VVC	VAV BOX COIL
VVD	VAV BOX DAMPER
VEL	VELOCITY
VP	VELOCITY PRESSURE
V	VENT
VTR	VENT THRU ROOF
VU	VENTILATING UNIT
VERT	VERTICAL
VCO	VERTICAL CLEANOUT
WCO	WALL CLEANOUT
WD	WALL DIFFUSER
WG	WALL GRILLE
WO	WALL OPENING
WC	WATER CHILLER
WPD	WATER PRESSURE DROP
WS	WATER SOFTENER
WTD	WATER TEMP DROP
W	WIDTH
WMS	WIRE MESH SCREEN

PLUMBING/PIPING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	ANC	ANCHOR
	AV	ANGLE VALVE
	AAV	AUTOMATIC AIR VENT W/HOSE END
M	CV-3	AUTO.CONTROL VALVE 3-WAY W/ELECTRIC OPERATOR
	CV-3	AUTO.CONTROL VALVE 3-WAY W/PNEUMATIC OPERATOR
M	CV-2	AUTO.CONTROL VALVE 2-WAY W/ELECTRIC OPERATOR
	CV-2	AUTO.CONTROL VALVE 2-WAY W/PNEUMATIC OPERATOR
	BALNCV	BALANCE VALVE
	BCKVA	BALL CHECK VALVE
	BV	BALL VALVE
	BKSTR	BASKET STRAINER
	BF	BLIND FLANGE
	BFV	BUTTERFLY VALVE
	BFV N.C.	BUTTERFLY VALVE NORMALLY CLOSED
	CBV	CALIBRATED BALANCING VALVE
	CKV	CHECK VALVE
	CS	CIRCUIT SETTER
	CON RED	CONCENTRIC REDUCER OR INCREASER
	CSTR	CONSTRUCTION OR SAFETY STRAINER
	DP	DIFFERENTIAL PRESSURE GAUGE
	DPOC	DIRT POCKET
OR	DV	DRAIN VALVE W/HOSE END
	DRPAN	DRIP PAN ELBOW
	2BKSTR	DUPLEX BASKET STRAINER
	EC RED	ECCENTRIC REDUCER OR INCREASER 90° ELBOW DOWN
		90° ELBOW UP
	GUIDE	EXPANSION GUIDE
	EXP.JT.	EXPANSION JOINT W/GUIDES
	FT	FINTUBE
	FC	FLEXIBLE CONNECTOR
	FH	FLEXIBLE HOSE
OR	FD	FLOOR DRAIN
	FL ARR	FLOW ARROW
	FMO	FLOW MEASURING ORIFICE
	FTV	FOOT VALVE
	GCK	GAGE COCK
	VALVE	(SEE SPECIFICATIONS FOR TYPE)
	GA	GAUGE
		PIPING OR EQUIPMENT TO BE REMOVED
TT		TEMPERATURE TRANSMITTER
PT		PRESSURE TRANSMITTER
DPT		DIFFERENTIAL PRESSURE TRANSMITTER
FPS		FLOW PROVING SWITCH

SYMBOL	ABBREVIATION	DESCRIPTION
		GAUGE GLASS
	GLV	GLOBE VALVE
OR	MAV	MANUAL AIR VENT W/HOSE END
M		METER
M	MBUTT	MOTORIZED BUTTERFLY VALVE
	ORI	ORIFICE
		OUTLET
		OUTLET (TEE) DOWN
		OUTLET (TEE) UP
	CAP	PIPE CAP
	FLS	PIPE FLANGES
		PIPE OFFSETTING UP IN RESPECT TO ARROW
	PV	PLUG VALVE
P	P	PRESSURE GAUGE W/GAUGE COCK
P	P	PRESSURE GAUGE W/SIPHON & GAUGE COCK
	PRV	PRESSURE REDUCING VALVE PILOT OPERATED
	PRV	PRESSURE REDUCING VALVE SELF CONTAINED
	PRVV	PRESSURE REGULATING VALVE W/VENT
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
	SV	RELIEF OR SAFETY VALVE
S	SOL-3	SOLENOID VALVE 3-WAY
S	SOL-2	SOLENOID VALVE 2-WAY
T OR P		STEAM TRAP
	STR	STRAINER (WYE TYPE)
	STR	STRAINER (WYE TYPE) W/BALL VALVE BLOW DOWN & HOSE END
	STR	STRAINER (WYE TYPE) W/GATE VALVE BLOW DOWN & HOSE END
		SUCTION DIFFUSER
		TEE BRANCH
T	T	TEMPERATURE INDICATOR
OR	TC	TEST CONNECTION
	THERM	THERMOMETER
	TAV	THERMOSTATIC AIR VENT W/HOSE END
	TW	THERMOWELL
	UN	UNION
	VB	VACUUM BREAKER
	VABX	VALVE BOX
	-	VALVE IN PIPING RISE
	WCKVA	WAFER CHECK VALVE
	WHA	WATER HAMMER ARRESTOR
	DCW	DOMESTIC COLD WATER
	DHW	DOMESTIC HOT WATER
	DHWR	DOMESTIC HOT WATER RECIRC
	SANV	ABOVE OR BELOW SLAB SANITARY VENT
	SAN	BELOW SLAB OR GRADE SANITARY
	-	EXISTING PIPING / FIXTURES
	-	NEW PIPING / FIXTURES

GENERAL NOTES:

1. REFER TO SPECIFICATION SECTIONS FOR SPECIFIC MATERIAL AND INSTALLATION DATA.
2. COORDINATE THIS WORK WITH WORK BY OTHER CONTRACTORS.
3. COORDINATE ALL WALL AND ROOF PENETRATIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
4. MODIFICATIONS IN PIPE ROUTINGS MUST BE APPROVED BY OWNER'S REPRESENTATIVE.
5. EQUIPMENT LOCATIONS AND DIMENSIONS ON DRAWINGS ARE APPROXIMATE. SEE EQUIPMENT CERTIFIED DRAWINGS FOR EXACT DIMENSIONS.
6. PROVIDE FIRE STOPPING AROUND ALL PENETRATIONS THROUGH FIRE RATED WALLS AND ROOFS.
7. VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF PIPING, HANGERS/SUPPORTS.
8. ALL PIPE HANGERS AND SPACING TO COMPLY WITH MSS SP-58 GUIDELINES.
9. PROVIDE AUTOMATIC AIR VENTS AT ALL HIGH POINTS OF PIPING. PROVIDE DRAIN VALVES AT ALL LOW POINTS OF PIPING.

PIPE SUPPORT GENERAL NOTES:

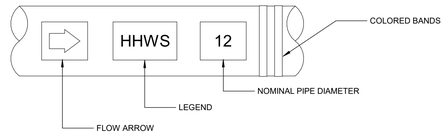
1. INSULATE CONNECTIONS BETWEEN PIPE, FITTINGS, HANGERS OF DISSIMILAR METAL AGAINST DIRECT CONTACT. USE DIELECTRIC INSULATING MATERIAL FOR PIPING AND FITTINGS, USE NON-DEZINCIFIABLE FLANGES AND UNIONS. THIS INCLUDES INSULATION BETWEEN GALVANIZED HANGERS (CLEVIS, TRAPEZE, ETC.) AND CARBON STEEL PIPE.
2. DO NOT DRILL OR CUT ANY TRUSS MEMBERS WITHOUT THE PERMISSION OF THE STRUCTURAL ENGINEER. DO NOT WELD TO TRUSSES WITHOUT THE PERMISSION OF THE STRUCTURAL ENGINEER UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS.
3. ALL HANGER RODS SHALL HAVE DOUBLE NUTS.
4. UNISTRUT SUPPORT IS ALLOWED ONLY FOR PIPING 2" OR LESS TO BE HUNG. FOLLOW SPANS & MAX. LOAD CARRYING CAPACITY OF UNISTRUT LOADING TABLES FOR P2001 (3 1/4" HIGH SIZE).
5. PIPING SUPPORT SPACING SHALL BE IN ACCORDANCE WITH MSS SP-58.
6. WHEN DOUBLE-NUTTING, THE OUTER NUT REQUIRES A LOCKING AGENT TO BE APPLIED GENEROUSLY TO THREADS UNDER NUT. BEFORE NUT IS TORQUED, APPLY LOCTITE QUICK STIX 268 THREADLOCKER (COLOR RED).
7. LOCKING TYPE NUT REFERS TO FRICTION TYPE OR DEFORMED-THREAD LOCKNUT. ACCEPTABLE BRANDS: CONICAL TOP, TOPLOCK, CENTERLOCK, NYLON INSERT TYPE OR ANY APPROVED EQUIVALENT.
8. PIPE MANUFACTURER SHALL REVIEW PIPE, COMPLETE STRESS ANALYSIS AND DETERMINE RECOMMENDED LOCATION OF ANCHORS AND GUIDES FOR FIBERGLASS PIPE SYSTEM. COMPLETED ANALYSIS AND RECOMMENDATION OF SUPPORTS, ANCHORS, AND GUIDES SHALL BE SUBMITTED FOR REVIEW.
9. RECOMMENDED GRADE 2 NUT TORQUE SPECIFICATION:
   1/4" - 5 FT.LBS.
   5/16" - 10 FT.LBS.
   3/8" - 15 FT.LBS.
   1/2" - 40 FT.LBS.
   5/8" - 75 FT.LBS.
   3/4" - 120 FT.LBS.
   7/8" - 190 FT.LBS.
   1" - 275 FT.LBS.
10. ANY OTHER PIPE SUPPORT TYPE NOT MENTIONED SHALL BE APPROVED BY ENGINEER.
11. AFTER NUTS ARE TORQUED AS REQUIRED, MARK THE NUTS POSITION WITH GREEN PAINT MARKER.
12. ATTACHMENT TO JOISTS SHALL BE WITHIN 6" OF PANEL POINTS.

PIPING SYSTEM SCHEDULE AND INDENTIFICATION TABLE

(NOT ALL APPLY)

ABBREV.	NAME	PIPE MATERIAL	INSULATION	PIPING FINISH PAINT	LABEL BACKGROUND / LETTER COLOR
DCW	DOMESTIC COLD WATER	COPPER	ALL	GREEN	WHITE / GREEN
DHW	DOMESTIC HOT WATER	COPPER	ALL	GREEN	YELLOW / BLACK
DHWR	DOMESTIC HOT WATER RECIRC.	COPPER	ALL	GREEN	YELLOW / BLACK
DTW	DOMESTIC TEPID WATER	COPPER	ALL	GREEN	YELLOW / BLACK
NG	NATURAL GAS (ABOVE GRADE)	BLACK STEEL	NO	SAFETY YELLOW	BLACK
SAN	SANATARY WASTE WATER	PVC OR CAST IRON	NO	NO	NONE/LABEL ONLY
SANV	SANITARY VENT	PVC OR CAST IRON	NO	NO	NONE/LABEL ONLY

STANDARDS FOR PIPE LABELING/COLORS



PIPE LINE DESIGNATIONS:

PIPING SYSTEMS AND LABEL NOTES:

1. ALL SYSTEMS SEE SPECIFICATION SECTION 15990 REGARDING CLEANLINESS OF PIPING PRIOR TO INSTALLATION.
2. COLOR MEANS LABEL COLOR.
   YELLOW: MATRIX-YELLOW CHARACTERS AND ARROWS-BLACK
   GREEN: MATRIX-GREEN CHARACTERS AND ARROWS-WHITE
3. PIPE MATERIAL AND IDENTIFICATION IS PER TABLE ABOVE AND SPECIFICATION.

SEISMIC NOTES

SEISMIC DESIGN CATEGORY FOR THIS PROJECT IS CATEGORY C PER ASCE STANDARD, ASCE/SEI 7-05 AND ASCE/SEI 7-10, CHAPTER 13, THE COMPONENT IMPORTANCE FACTOR, Ip, SHALL BE TAKEN AS 1.5 IF ANY OF THE FOLLOWING CONDITIONS APPLY.

1. THE COMPONENT IS REQUIRED TO FUNCTION FOR LIFE-SAFETY PURPOSES AFTER AN EARTHQUAKE, INCLUDING FIRE PROTECTION SPRINKLER SYSTEMS. FOR THIS PROJECT THOSE COMPONENTS/SYSTEMS ARE: FIRE PROTECTION.
2. THE COMPONENT CONTAINS HAZARDOUS MATERIALS. FOR THIS PROJECT THOSE COMPONENTS ARE: NATURAL GAS.
3. THE COMPONENT IS ATTACHED TO AN OCUPANCY CATEGORY IV STRUCTURE AND IS NEEDED FOR CONTINUED OPERATION OF THE FACILIY. FOR THIS PROJECT THOSE COMPONENTS ARE: FIRE PROTECTION.

ALL MECHANICAL AND ELECTRICAL COMPONENTS (EQUIPMENT AND PIPING) SHALL BE DESIGNED, SUPPORTED, AND INSTALLED PER ASCE STANDARD, ASCE/SEI 7-05, CHAPTER 13, AS SUCH, THE MECHANICAL CONTRACTOR SHALL PROCURE THE SERVICES OF A PROFESSIONAL ENGINEER SPECIALIZING IN THE DESIGN OF VIBRATION AND SEISMIC CONTROL, REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. THE MECHANICAL CONTRACTOR SHALL PROVIDE ENGINEERED SHOP DRAWINGS SIGNED AND SEALED BY A REGISTERED CODE REQUIREMENTS FOR SEISMIC CONTROL. SHOP DRAWINGS SHALL INCLUDE DESIGN CALCULATIONS, EQUIPMENT SUPPORTS, RISER SUPPORTS, VIBRATION ISOLATION, BASE DETAILS, SEISMIC RESTRAINT DETAILS, DETAILS FOR INTERLOCKING SNUBBERS. THE PROJECT WILL BE DESIGNED USING THE CURRENTLY ENFORCED BUILDING CODE.

*THIS SHEET IS APPLICABLE TO 11M01, 13M02 AND 14M02 SCOPE

*DASHED DOT AREAS ARE NOT IN SCOPE FOR THIS PACKAGE. — - —

SSOE®

CONSULTANTS:

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APPLY STAMP IN BLUEBEAM

PROJECT INFORMATION:

BROWNFIELD MODIFICATIONS

CLIENT INFORMATION:

ASCEND ELEMENTS

ASCEND ELEMENTS
9172 INDUSTRIAL DR NE
COVINGTON, GA
30014

CLIENT PROJECT NO: XXX-XXXXX-XX

NO.	DATE	SUBJECT
D	11/15/22	FOR BULLETIN 5 - PKG 11M01
C	08/09/22	FOR IFC - PKG 14M02
B	06/08/22	FOR IFC - PKG 13M02
A	04/28/22	FOR CONSTRUCTION - PKG 11M01

REVISION OR ISSUE

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PROJECT NO: 021-01975-00

PROJECT MANAGER:	R. FOX
DESIGNED:	J. JACOBS
CHECKED:	B. WHITEHEAD

DRAWING TITLE:
PLUMBING SYMBOLS AND ABBREVIATIONS

DRAWING NO:
MP-000

TB_REV 1.0

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