DRAWINGS

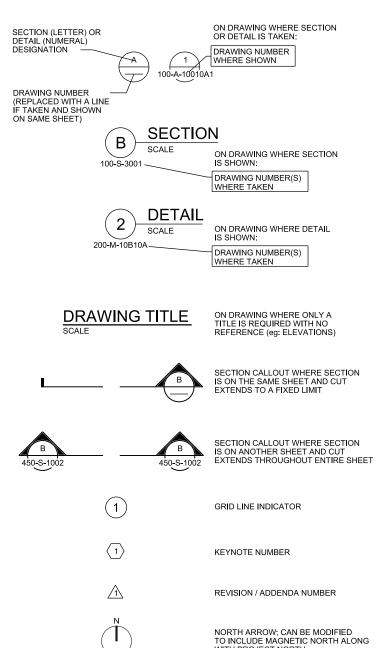
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	ΔR	BREVIATIONS	CLSF	CONTROLLED LOW STRENGTH FILL	EQL	EQUAL	HGT	HEIGHT	MDO	MEDIUM DENSITY OVERLAY	PEP	POLYETHYLENE PIPE	
	<u> </u>	BILLVIATIONS	CLG	CEILING CLEAR, CLEARANCE	EQL SP	EQUALLY SPACED	HH	HANDHOLE HIGH INTENSITY DISCHARGE	MECH	MECHANICAL	PEN.	PENETRATION	
	<u>A</u>	AMMETER, AMPERES, AWNINGS	CLR CLSM	CONTROLLED LOW STRENGTH MATERIAL	EQPT	EQUIPMENT	HID HK	HOOK	MFD MFR	MANUFACTURED MANUFACTURER	PFC PH	POUNDS PER CUBIC FOOT PENTHOUSE	
	AB	ANCHOR BOLT, ABOVE	CMP	CENTRAL MONITORING PANEL	ESC ETM	EROSION AND SEDIMENT CONTROL	НМ	HOLLOW METAL	MGD	MILLION GALLONS PER DAY	pH pH	HYDROGEN ION CONCENTRATION	
	ABDN AC	ABANDON ACOUSTICAL, ACOUSTICAL CEILING	CMP CMU	CORRUGATED METAL PIPE	EVC	END OF VERTICAL CURVE	HOA	HAND-OFF-AUTO	MH	MANHOLE, MOUNTING HEIGHT	PH	PHASE	
	AC	ALTERNATING CURRENT	CNTR	CONCRETE MASONRY UNIT COUNTER	EW	EACH WAY	HOR HOR I Z	HAND-OFF-REMOTE	MIN	MINIMUM	PI PIT	POINT OF INTERSECTION	
	AC	ASPHALTIC CONCRETE	CO	CLEANOUT, CARBON MONOXIDE	EWC	ELECTRIC WATER COOLER	HP	HORIZONTAL HORSEPOWER	MISC MJ	MISCELLANEOUS MECHANICAL JOINT	PJF	PILOT TUBE TEST STATION PREMOULDED JOINT FILLER	
	ACFL ACI	ACCESS FLOORING AMERICAN CONCRETE INSTITUTE	COL	COLUMN, COLOR	EXH EXP	EXHAUST EXPANSION, EXPOSED	HPT	HIGH POINT	MLO	MAIN LUGS ONLY	PL	PLATE (STEEL)	
Α	ACMU	ACOUSTICAL CONCRETE MASONRY	CONC COND	CONCRETE CONDENSATE	EXP AB	EXPANSION ANCHOR BOLT	HPU	HYDRAULIC POWER UNIT	MMDW	DRY WEATHER MAXIMUM MONTH	PL	PROPERTY LINE	
		UNIT, ACOUSTICAL CMU	CONDTN	CONDITIONED	EXP JT	EXPANSION JOINT	HR HV	HOSE RACK, HANDRAIL	MMP	MECHANICAL MOUNTING PANEL	PLAM PLAS	PLASTIC LAMINATE	
	ACP ACST	ACOUSTICAL PANELS ACOUSTICAL	CONN	CONNECTION	EXST, EXIST	EXISTING	HVAC	HOSE VALVE HEATING, VENTILATING AND	MMWW MO	WET WEATHER MAXIMUM MONTH MANUAL OPERABLE. MASONRY OPENING	PLAS	PLASTER, PLASTIC PROGRAMMABLE LOGIC CONTROLLER	
	ACT	ACOUSTICAL TILE	CONSTR	CONSTRUCTION	EXT	EXTERIOR	***************************************	AIR CONDITIONING	MP	METAL PANEL	PLYWD	PLYWOOD	\square
	AD	AREA DRAIN	CONT CONTR	CONTINUED, CONTINUOUS, CONTINUATION CONTRACTOR	Ģ	DEGREE FAHRENHEIT	HWL	HIGH WATER LEVEL	MPU	MULTIPURPOSE UNIT	PNL	PANEL	
	ADDL	ADDITIONAL	COORD	COORDINATE	FB	FLAT BAR	IC	INTERRUPTING CAPACITY	MS	MANUFACTURER'S STANDARD	PP P-P	POWER POLE PUSH-PULL	
	ADJ ADW	ADJACENT DRY WEATHER AVERAGE	COP	COPPER	F, FU F, FX	FUSE FIXED	ID	INDUCED DRAFT, INSIDE DIAMETER	MSC MSR	MANUFACTURER SUPPLIED CABLE GROUPED MOTOR CONTROL	P - P PPL	POSH-POLL POLYPROPYLENE LINED	
	AFD	ADJUSTABLE FREQUENCY DRIVE	CP	CENTER PIVOT	FAP	FIRE ALARM PANEL	ΙE	INVERT ELEVATION	MT	MOUNT	PR	PAIR	
	AFF	ABOVE FINISHED FLOOR	CP-X CPLG	CONTROL PANEL NO. X COUPLING	FC	FLEXIBLE CONDUIT	I.F. IG	INSIDE FACE INSULATING, INSULATING GLASS	MTD	MOUNTED	PRC PRCST	POINT OF REVERSE CURVE PRECAST	
	AFG	ABOVE FINISHED GRADE	CPRSR	COMPRESSOR	FCA FCL2	FLANGED COUPLING ADAPTER FREE CHLORINE RESIDUAL	IN	INCH	MTG	MOUNTING	PREFAB	PREFABRICATION	
	AG AGGR	ACOUSTICAL, ACOUSTICAL GLASS AGGREGATE	CPT	CONTROL POWER TRANFORMER, CARPET	FCO	FLOOR CLEANOUT	INCAND	INCANDESCENT	MTS MTS	MANUAL TRANSFER SWITCH MILL TYPE STEEL PIPE	PRES	PRESSURE	
	AHR	ANCHOR	CPVC CR	CHLORINATED PVC CONTROL RELAY	FCTY	FACTORY	INFL	INFLUENT	MU	MULCHING	PRI	PRIMARY	
	AISC	AMERICAN INSTITUTE OF	CRS	COLD ROLLED STEEL	FD FDN	FLOOR DRAIN	INJS INST	INJECTIONS INSTANTANEOUS	MV	MERCURY VAPOR	PRM PROJ	PERMANENT REFERENCED MARKER PROJECTION	
	Λ.	STEEL CONSTRUCTION ADJUSTABLE	CRS	CONSTRUCTION ROAD STABILIZATION	FDN FDR	FOUNDATION FEEDER	INSTM	INSTRUMENT, INSTRUMENTATION	MWS	MAXIMUM WATER SURFACE	PROP	PROPERTY	
	AJ AL	ALUMINUM	CT	CERAMIC TILE	FEXT	FIRE EXTINGUISHER	INSUL	INSULATION	N	NORTH, NEUTRAL	PS	PLASTIC SHEET, POLYCARBONATE SHEET	
	ALKY	ALKALINITY	CT CTC	CURRENT TRANSFORMER COMPUTER TERMINAL CABINET	FF	FINISHED FLOOR	INVT IP	INVERT INLET PROTECTION, INSTRUMENTATION PANEL	NA NA	NOT APPLICABLE	PS PSE	PAINT SYSTEM	
	ALTN	ALTERNATE	CTR	CENTER	FG FH	FINISH GRADE, FLOAT GLASS FLAT HEAD	IP IRRIG	IRRIGATION	NA NC	NON-AUTOMATIC NORMALLY CLOSED	PSF PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH	
	AM AMRD	AUTO-MANUAL ACOUSTICAL METAL ROOF DECKING	CTRD	CENTERED	FH FHY	FIRE HYDRANT	ITG	INSULATED TEMPERED GLASS	NEUT	NEUTRAL	PSI PSIG	POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH, GAUGE	
	ANDZ	ANODIZE	CTSK	COUNTERSUNK	FIG	FIGURE	ITX	ISOLATION TRANSFORMER	NG	NATURAL GAS	PT	POINT OF TANGENCY	
اا	APPROX	APPROXIMATE	CU CU FT	CUBIC CUBIC FOOT	FL	FLOW LINE FLANGE	IU IW	INTAKE UNIT IRRIGATION WELL	NGVD	NATIONAL GEODETIC VERTICAL DATUM	PT	POTENTIAL TRANSFORMER	
	APVD	APPROVED	CU IN	CUBIC INCH	FLG FL	FLOOR	IVV		NIC N.O.	NOT IN CONTRACT NORMALLY OPEN	PT PTD	PRESSURE TREATED PAPER TOWEL DISPENSER	++++
	ARCH AR	ARCHITECTURAL ANALOG RELAY	CUH	COPPER TUBING, HARD DRAWN	FLEX	FLEXIBLE	J	JALOUSIE	NO. #	NUMBER	PTN	PARTITION	
	AS	AS SELECTED	CV	CHECK VALVE	FLH	FLAT HEAD	JA JB	JAL-AWNING JUNCTION BOX	NOM "	NOMINAL	PV	PLUG VALVE	
	ATS	AUTOMATIC TRANSFER SWITCH	CWR	CABINET DOOR MOUNTED WASTE RECEPTACLE	FLTR FLUOR	FILTER FLUORESCENT	JAN	JANITOR	NP NPT	NON-PROTECTED NATIONAL PIPE THREADS	PVC	POLYVINYL CHLORIDE	
	AUTO AUX	AUTOMATIC AUXILIARY	CY, CU YD		FNSH	FINISH	JCT	JUNCTION	NS	NON-SHRINK	PVI PVMT	POINT OF VERTICAL INTERSECTION PAVEMENT	
	AVG	AVERAGE	CWS	CLEAN WATER SERVICES	FOB	FLAT ON BOTTOM	JT	JOINT	NTS	NOT TO SCALE	PVT	POINT OF VERTICAL TANGENCY	
	AWW	WET WEATHER AVERAGE			FOT FP	FLAT ON TOP FIELD PANEL	Κ	KEY GROUP, KEY INTERLOCK	O2	OXYGEN			
	@	AT	D	DEEP, DRAIN PENNY NAIL SIZE	FPM	FEET PER MINUTE	KIP KIT	THOUSAND POUNDS KITCHEN	ОТОО	OUT TO OUT	QAA QMM	AVERAGE FLOW MAXIMUM 30 DAY FLOW	
	В	BELL	d DA	DUAL ACTION	FR	FORWARD REVERSE	K-PL	KICKPLATE	OA OC	OVERALL, ODOROUS AIR ON CENTER	QPI	PEAK INSTANTANEOUS FLOW	
	BAL BETW	BALANCE BETWEEN	DAS	DATA ACQUISTION SYSTEM	FRP	FIBERGLASS REINFORCED PLASTIC	KSK	KITCHEN SINK	OC OC	OPEN-CLOSE (O)	QPP	PEAK PUMPING FLOW	
	BF	BLIND FLANGE, BOTTOM FACE	DBA	DEFORMED BAR ANCHOR	FSHS FT	FOLDING SHOWER SEAT FOOT OR FEET	KV KVA	KILOVOLTS KILOVOLT AMPERES	OCA	OPEN-CLOSE-AUTO	QT	QUARRY TILE	
	BFV	BUTTERFLY VALVE	DBL DC	DOUBLE DIRECT CURRENT	FTG	FOOTING	KVAR	KILOVOLT AMPERES REACTIVE	OCR	OPEN-CLOSE-REMOTE	R	RISER	
	BL BFP	BASELINE BACKFLOW PREVENTER	DEG	DEGREE	FU	FIXTURE UNIT	KW	KILOWATT	OD O.F.	OUTSIDE DIAMETER, OVERFLOW DRAIN OUTSIDE FACE	R OR RAD		11
	BLDG	BUILDING	DET	DETAIL	FVNR FVR	FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING	L	ANGLE, LENGTH	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	RA PRC	RETURN AIR REINFORCED CONCRETE	
	BLK	BLOCK	DF DDI	DOUGLAS FIR, DRINKING FOUNTAIN DROP INLET	FWD	FORWARD	LA	LIGHTNING ARRESTER	OFOI	OWNER FURNISHED, OWNER INSTALLED	RCP	REINFORCED CONCRETE PIPE	
	BM	BEAM, BENCHMARK	DH	DOUBLE HUNG			LAB	LABORATORY	OL OO	OVERLOAD RELAY	RCPT	RECEPTACLE	
С	BO B.O.B.	BOTTOM OF BOTTOM OF BEAM	DI	DUCTILE IRON	G, GND	GROUND	LAM LAT	LAMINATE LATITUDE	OOA	ON-OFF ON-OFF-AUTO		DOID DOOF DOO!!!	
	Б.О.Б.	BOTTOM OF BEAM	DIA	DIAMETER	GA GAL	GAUGE GALLON	LB	POUND	OOR	ON-OFF-REMOTE	RD RDCR	ROAD, ROOF DRAIN REDUCER	
	BOD	BOTTOM OF DUCT	DIAG DIP	DIAGONAL DUCTILE IRON PIPE	GALV	GALVANIZED	LC	LIGHTING CONTACTOR	OP	OPAQUE PANEL, OUTLET PROTECTION	RDW	REDWOOD	
	BOP BOT	BOTTOM OF PIPE BOTTOM	DIR	DIRECTION	GB	GYPSUM BOARD	LDC	COMBINATION LOUVER/DAMPER	OPER OPNG	OPERATOR OPENING	RECIR	RECIRCULATION	
	BRG	BEARING	DISCH	DISCHARGE	GC GCMU	GROOVED COUPLING GLAZED CONCRETE	LDG LEL	LOADING DOCK LOWER EXPLOSIVE LIMIT	OPP	OPPOSITE	REF	REFER OR REFERENCE	
	BRK	BRICK	DN DO	DOWN DISSOLVED OXYGEN	···· -	MASONRY UNITS	LF	LINEAR FEET	OSA	OUTSIDE AIR	REFR	REFRIGERATE, REFRIGERANT	
	BRKR	BREAKER	DOL	DISSOLVED OXYGEN DIRECT-ON-LINE	GFA	GROOVED FLANGE ADAPTER	LG	LONG	OSC OSD	OPEN-STOP-CLOSE OPEN SITE DRAIN	REINF	REINFORCED, REINFORCING, REINFORCE	
	BSP BV	BLACK STEEL PIPE BALL VALVE, BLOCK VENT	DP, DPNL	DISTRIBUTION PANEL	GFI GFR	GROUND FAULT INTERRUPTER GROUND FAULT RELAY	LH LHR	LEFT HAND LEFT HAND REVERSE	OWSJ	OPEN SITE DRAIN OPEN WEB STEEL JOIST	REQD	REQUIRED	@
	BVC	BEGINNING OF VERTICAL CURVE	DR	DOOR	GFR GH	GREENHOUSE	LHK	LONG LEG HORIZONTAL	OZ	OUNCE	RESIL RFS	RESILIENT ROLL-UP FIRE SHUTTER	!
\perp			DS DWG	DOWNSPOUT DRAWING	GL	GLASS	LLV	LONG LEG VERTICAL	Р	PROJECTED	RH	RIGHT HAND	
	°C	CONDUIT, CASEMENT DEGREE CELSIUS	DWG	DOWEL	GPD	GALLONS PER DAY	LNTL	LINTEL	Р	PILASTER, PIPE	RH	RODHOLE	ᆍ
	C TO C	CENTER TO CENTER	Δ	DELTA	GPH GPM	GALLONS PER HOUR GALLONS PER MINUTE	LONG LOS	LONGITUDINAL LOCK-OUT STOP PUSHBUTTON	PAVT PB	PAVER TILE PUSHBUTTON SWITCH	RHR	RIGHT HAND REVERSE	╽┻╽
	CAB	CABINET			GPS	GLOBAL POSITION SYSTEM	LP	LIGHT POLE, LIGHTING PANEL, LOCAL PANEL	PC PB	POINT OF CURVE, PHOTOCELL	RL RLS	RAIN LEADER RUBBER LINED STEEL	5
	СВ	CATCH BASIN, CIRCUIT BREAKER	_	FACT EMPTY	GRTG	GRATING	LPT	LOW POINT	PC	PRECAST CONCRETE PANEL	RM	ROOM	
	CC CC	CENTER OF CIRCLE CONTROL CABLE	E EA	EAST, EMPTY EACH, EXHAUST AIR	GSB	GYPSUM SOFFIT BOARD	LR LR	LATCHING RELAY LOCAL-REMOTE	PCCP	PRECAST CONCRETE CYLINDER PIPE	RO	ROUGH OPENING	0
	CCP	CENTRAL CONTROL PANEL	EB, EBCT	EMPTY BED CONTACT TIME	GSP GV	GALVANIZED STEEL PIPE GATE VALVE	LR LR	LOCAL-REMOTE LONG RADIUS	PCV PE	PRESSURE CONTROL VALVE PLAIN END	ROL RPM	RAISE-OFF-LOWER REVOLUTIONS PER MINUTE	
	CCS	CENTRAL CONTROL SYSTEM	ECC	ECCENTRIC	GVL	GRAVEL	LS	LABORATORY SINK	PED	PEDESTAL, PEDESTRIAN	RR	RIPRAP	
	CDF CE	CONTROLLED DENSITY FILL CONSTRUCTION ENTRANCE	EE EDF	EMERGENCY EYEWASH EGG-SHAPED DIGESTER FACILITY	GWB	GYPSUM WALLBOARD	LTC LTS	LEFT					
D	CFM	CUBIC FEET PER MINUTE	EF	EACH FACE, EXHAUST FAN	GYP	GYPSUM	LTG, LTS LTX	LIGHTS OR LIGHTING LIGHTING TRANSFORMER		4	IOTES:		
	CFS	CUBIC FEET PER SECOND	EFF	EFFICIENCY, EFFICIENT	Н	HIGH, HORN OR HOWLER	LWL	LOW WATER LEVEL				ENGINEER FOR ABBREVIATIONS USED	
	CHEM CHKD	CHEMICAL CHECKERED	EFL EIFS	EFFLUENT EXTERIOR INSULATION AND FINISH SYSTEM	H2S H.A.S.	HYDROGEN SULFIDE HEADED ANCHOR STUD	MA	MANUAL-AUTO			RUT NOT 8	SHOWN ON THIS DRAWING.	
	CI	CAST IRON	EL	ELEVATION	HC	HOLLOW CORE WOOD	MAS	MASONRY					VERI
	CIP	CAST IRON PIPE, CAST IN PLACE	ELB	ELBOW	HCL HDNR	HYDROCHLORIC ACID HARDENER	MATL	MATERIAL			GENER	RAL NOTE:	BAR IS
	CIP CISP	CULVERT INLET PROTECTION CAST IRON SOIL PIPE	ELC ELEC	ELECTRICAL LOAD CENTER ELECTRIC, ELECTRICAL	HDNS	HARDNESS	MAX MB	MAXIMUM MACHINE BOLT				STANDARD LEGEND SHEET.	ORIGIN 0
	CJ	CONSTRUCTION JOINT	ENGR	ENGINEER	HDR	HEADER	MC	MASONRY CLEARANCE			THEREFO	RE, NOT ALL OF THE INFORMATION MAY BE USED ON THIS PROJECT.	DATE
	CKT	CIRCUIT	EOP	EDGE OF PAVEMENT	HDW	HARDWARE	MC	MODULATE-CLOSE			STICKNIN IV	SE GOED ON THIS PROJECT.	PROJ
	CL CLDI	CENTERLINE CEMENT LINED DUCTILE IRON	ESC EP	EROSION AND SEDIMENT CONTROL EXPLOSION PROOF, EDGE OF PAVING	HGL HK	HYDRAULIC GRADE LINE HOOK	MCC MCJ	MOTOR CONTROL CENTER MASONRY CONTROL JOINT					DWG
L				TTO.S.T.T.COT, EDGE OF TAVING			00				NAME: 001 C 0	101 457122 dan DI OT DATE: 2/29/2012	SHEET

VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

ABBREVIATIONS

ABBREVIATIONS TG TEMPERED TOP-HINGED TH THREAD THD RADIAL RUBBER RRUB THK THICKNESS RIGID STEEL THROUGH THRU RST REINFORCING STEEL SECTION (LETTER) OR DETAIL (NUMERAL) DESIGNATION TERMINAL JUNCTION BOX TJB RT RIGHT TEELON LINED PIPE ΤI RTN RETURN TIME TO OPEN. TOP OF T.O. REGENERATIVE THERMAL OXIDIZER RTO TIME OPEN AFTER ENERGIZATION TOAE RUBBER RUB RUBC RUBBER CUSHIONED FLOORING TOC TOP OF CONCRETE RUBBER ESD CONTROL FLOORING RUBS TOP OF CURB TOC DRAWING NUMBER
(REPLACED WITH A LINE RIGHT OF WAY R/W TOD TIME ON DELAY, TOP OF DUCT TOTAL OXYGEN DEMAND L-REAM TOF TOP OF FOOTING SLOPE, SOUTH, SWITCH TOG TOP OF GROUT, TOP OF GRATE В SA SUPPLY AIR T.O.P. TOP OF PARAPET SUSPENDED ACCUSTICAL TILE CEILING SATC TOS TOP OF SLAB 100-S-3001 SB SEDIMENT BASIN TOP OF WALL TOW SHOWER CURTAIN, SOLID CORE WOOD TURNING POINT SCADA SUPERVISORY CONTROL AND DATA ACQUISITION TRANSOM, TRUSS SCC TRANS TRANSFORMER, TRANSITION SCFM STANDARD CUBIC FEED PER MINUTE TRANSV TRANSVERSE DETAIL SCHED SCHEDULE 2 TRD TREAD SPEED CONTROL UNIT SCALE SCU TEMPORARY SEEDING, TUBE STEEL TS SUB-DISTRIBUTION PANEL SDP THRESHOLD TSHT 200-M-10B10A SIDEWALK SDWK TOTAL SUSPENSION SOLIDS TSS SECONDARY SEC TST TOP OF STEEL SECT SECTION TTC TELEPHONE TERMINAL CABINET SEDIMENTATION SED TOILET TISSUE DISPENSER TTD SEW SEWAGE TREATMENT UNIT NO X TU-X LAMINATED SAFETY GLASS, SAFETY SUSPENDED GYPSUM WALL BOARD SG TURB TURBIDITY DRAWING TITLE SGWB TWP TRANSLUCENT WALL PANEL SH SHEET TX TRANSFORMER SHA SURFACE HARDENING AGENT TYP TYPICAL SHS SOLIDS HANDLING SYSTEM SIM SIMILAR UON UNLESS OTHERWISE NOTED SK SINK UNO UNLESS NOTED OTHERWISE SLR SEALER UNINTERRUPTIBLE POWER SUPPLY UPS SEAMLESS EPOXY SMLS USB UNIT SUBSTATION SPRAY- ON INSULATION SOI UVR UNDER VOLTAGE RELAY SOLUTION SOLN SPACE OR SPACES VENT, VALVE SP SPANDREL PANEL, STORMPROOF VOLTMETER, VOLTS VAPOR BARRIER (RETARDER) SPEC, SPECS **SPECIFICATIONS** VΒ SPD SUMP PUMP DISCHARGE VERTICAL CURVE VC SPG SPACING VCP VITRIFIED CLAY PIPE SUPPLY VCT VINYL COMPOSITION TILE SPLY SQ SQUARE VEL VERT VERTICAL SQ FT SQUARE FOOT, FEET (1) SQUARE INCH VHC VOLATILE HYDROCARBONS SQ IN SHORT RADIUS VIB VIBRATION SR VERIFY IN FIELD START-STOP SS SST VIN VINYL STAINLESS STEEL VINT, VT VINYL TILE SSC SUPERVISORY SET POINT CONTROL VERTICAL PIVOTED STORM DRAIN ST ST VPS VENEER PLASTER SYSTEM STA STATUS, STATION VPC POINT OF VERTICAL CURVATURE \triangle STD STANDARD POINT OF VERTICAL INTERSECTION VPI VPT STIF STIFFENER POINT OF VERTICAL TANGENT STIRRUP STIRR VS VERTICAL SLIDE STEEL STL VTR VENT THRU ROOF STRUCTUAL STRI VWC VINYL WALL COVERING STRUCTURE STRUCT SUBFL W WEST SUSPENDED SUSP SOLENOID VALVE SV WC WATER COLUMN SVIN SHEET VINYL WEASTRIP WEATHERSTRIP **DESIGN DETAIL DESIGNATION** SWBD SWITCHBOARD WIRE, WIRE GLASS WG SWGR **SWITCHGEAR** WATTHOUR METER WH SYMM SYMMETRICAL WATTHOUR DEMAND METER WHD WATERPROOF, WEATHERPROOF, WORKPOINT THERMOSTAT, TREAD WP WR WASTE RECEPTACLE T&B TOP AND BOTTOM DESIGN DETAIL WATER RESISTANT GWB T&G TONGUE AND GROOVE WRB DESIGNATION (NUMERAL) WS WATER SURFACE, WATERSTOP, WELDED STEEL TRANSFER AIR TΑ SHOWN ON DESIGN WWF WELDED WIRE FABRIC TAN TANGENT DETAIL DRAWING(S) WWPH WET WEATHER PEAK HOUR ТВ TERMINAL BOARD TBG TC TC TUBING NOTES: TIME TO CLOSE NOTES: TURBIDITY CURTAIN 1. ALL DESIGN DETAILS ARE TYPICAL AND MUST BE USED IF DESIGN 1. CONTACT ENGINEER FOR ABBREVIATIONS USED TCAD TIME CLOSE AFTER DE-ENERGIZATION TCAE TIME CLOSE AFTER ENERGIZATION TOTAL DYNAMIC HEAD TDH TDR TIME DELAY RELAY TECH TECHNICAL TEL **TELEPHONE** TEMP TEMPORARY, TEMPERATURE TF TOP FACE TEMPERED FLOAT GLASS TFG

SECTION / DETAIL DESIGNATIONS



- 2. THE TERM STANDARD DETAIL, OR A FORM OF IT, IS SYNOMONOUS WITH DESIGN DETAIL. THE DESIGN DETAILS REPRESENT THE CHARACTER AND NATURE OF THE WORK REQUIRED THROUGHOUT THE PROJECT. ALL ASSOCIATED WORK SHALL BE IN ACCORDANCE WITH THE DESIGN DETAILS SHOWN WHETHER THE DETAILS ARE

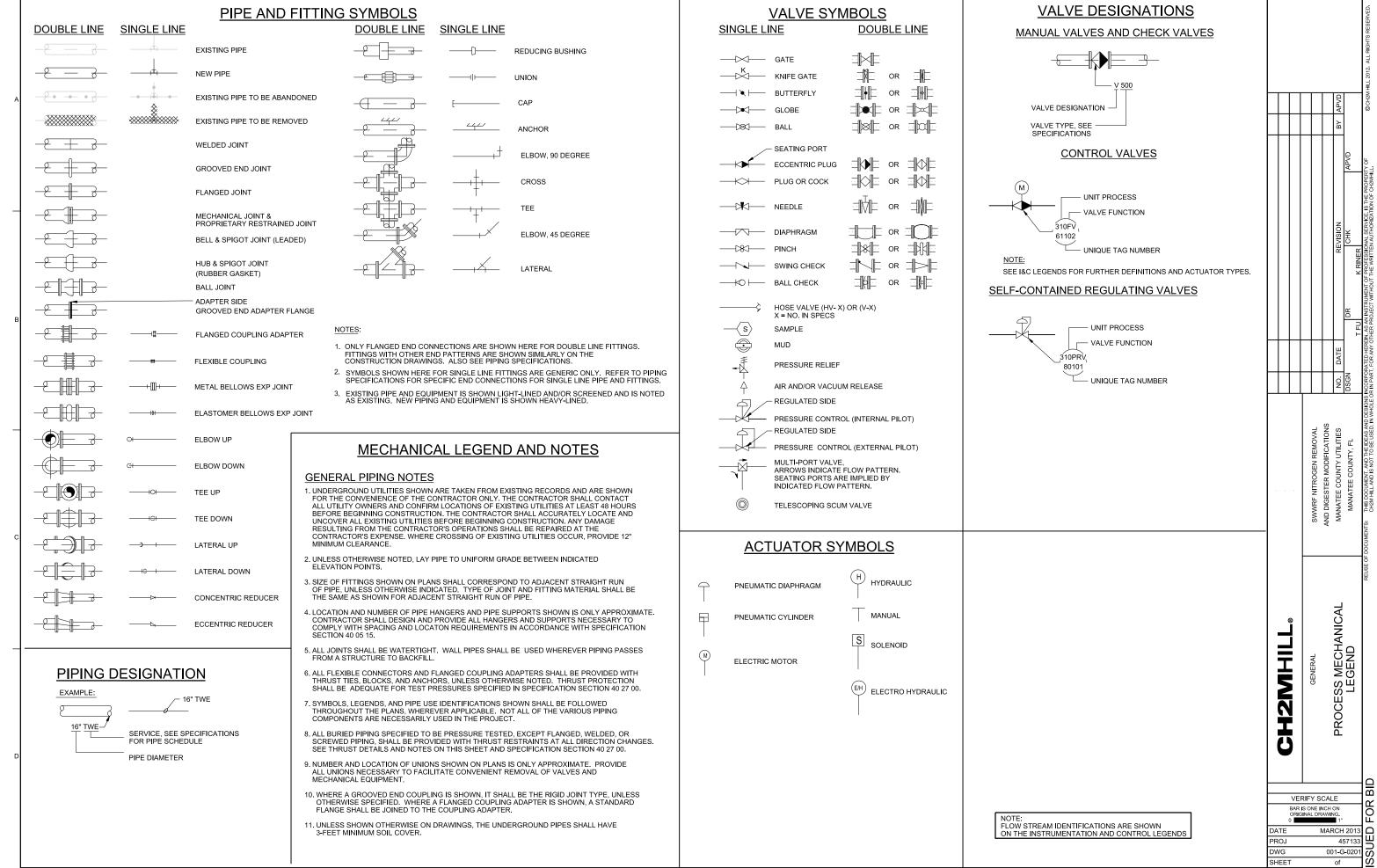
GENERAL NOTE:

 THIS IS A STANDARD LEGEND SHEET.
 THEREFORE. NOT ALL OF THE INFORMATION SHOWN MAY BE USED ON THIS PROJECT.

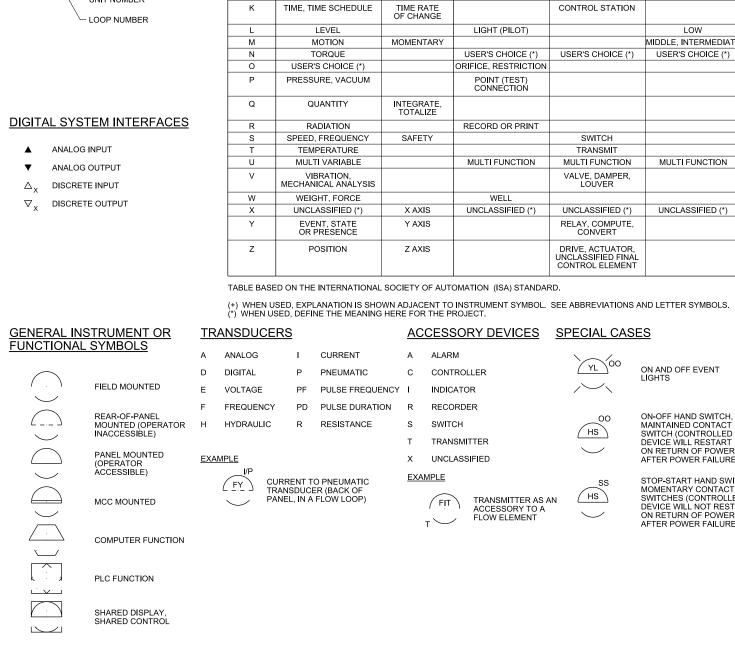
ABBREVIATIONS 2MHILL VERIFY SCALE BAR IS ONE INCH ON MARCH 2013 🗅 457133 III PROJ WG 001-G-0102 of

PLOT DATE: 2/28/2013

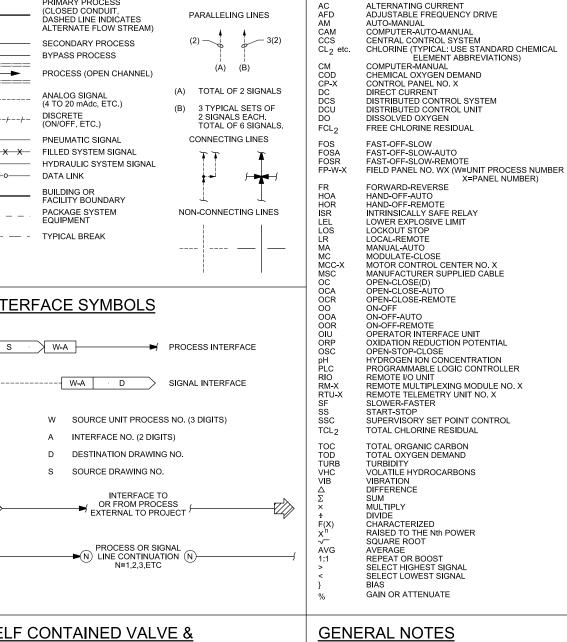
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INSTRUMENT IDENTIFICATION INSTRUMENT IDENTIFICATION LETTERS TABLE FIRST-LETTER SUCCEEDING-LETTERS READOUT OR PASSIVE FUNCTION PROCESS OR READOUT OR READOUT OR LETTER INITIATING VARIABLE MODIFIER PASSIVE FUNCTION PASSIVE FUNCTION **EXAMPLE SYMBOLS** ANALYSIS (+) AI ARM BURNER, COMBUSTION USER'S CHOICE (*) USER'S CHOICE (*) USER'S CHOICE (*) - UNIT PROCESS NUMBER CONTROL USER'S CHOICE (*) D DENSITY (S.G.) DIFFERENTIAL - CLARIFYING ABBREVIATIONS PRIMARY ELEMENT, SENSOR Ε VOLTAGE FLOW RATE RATIO SUCCEEDING LETTER(S) LLUUS GATE USER'S CHOICE (*) GLASS, GAUGE SET LETTER (USED WHEN THERE ARE MULTIPLE DEVICES HAND (MANUAL) HIGH WITH THE SAME UNIT NUMBER) CURRENT (ELECTRICAL) SCAN POWER UNIT NUMBER TIME, TIME SCHEDULE TIME RATE CONTROL STATION OF CHANGE LOOP NUMBER LEVEL LIGHT (PILOT) LOW MOMENTARY MIDDLE, INTERMEDIATE М MOTION USER'S CHOICE (*) USER'S CHOICE (*) USER'S CHOICE (* N TORQUE 0 USER'S CHOICE (*) ORIFICE, RESTRICTION PRESSURE, VACUUM POINT (TEST) CONNECTION Q QUANTITY **DIGITAL SYSTEM INTERFACES** RADIATION RECORD OR PRINT SPEED, FREQUENCY SAFETY SWITCH S ANALOG INPUT TEMPERATURE TRANSMIT U MULTI VARIABLE MULTI FUNCTION MULTI FUNCTION MULTI FUNCTION ANALOG OUTPUT VIBRATION, MECHANICAL ANALYSIS VALVE, DAMPER, LOUVER DISCRETE INPUT WEIGHT, FORCE W WELL DISCRETE OUTPUT UNCLASSIFIED (*) X AXIS UNCLASSIFIED (*) UNCLASSIFIED (*) UNCLASSIFIED (*) EVENT, STATE OR PRESENCE RELAY, COMPUTE, CONVERT Y AXIS DRIVE, ACTUATOR, UNCLASSIFIED FINAL Z POSITION Z AXIS CONTROL FLEMENT TABLE BASED ON THE INTERNATIONAL SOCIETY OF AUTOMATION (ISA) STANDARD. (+) WHEN USED, EXPLANATION IS SHOWN ADJACENT TO INSTRUMENT SYMBOL. SEE ABBREVIATIONS AND LETTER SYMBOLS. (*) WHEN USED, DEFINE THE MEANING HERE FOR THE PROJECT. **GENERAL INSTRUMENT OR** ACCESSORY DEVICES SPECIAL CASES **TRANSDUCERS FUNCTIONAL SYMBOLS** CURRENT ALARM ANALOG ON AND OFF EVENT DIGITAL **PNEUMATIC** CONTROLLER FIELD MOUNTED VOLTAGE PULSE FREQUENCY | INDICATOR FREQUENCY PD PULSE DURATION RECORDER REAR-OF-PANEL ON-OFF HAND SWITCH 00 MOUNTED (OPERATOR INACCESSIBLE) HYDRAULIC RESISTANCE SWITCH MAINTAINED CONTACT / HS SWITCH (CONTROLLED TRANSMITTER DEVICE WILL RESTART ON RETURN OF POWER PANEL MOUNTED **EXAMPLE** UNCLASSIFIED AFTER POWER FAILURE) (OPERATOR ACCESSIBLE) **EXAMPLE** CURRENT TO PNEUMATIC STOP-START HAND SWITCH MOMENTARY CONTACT TRANSDUCER (BACK OF (HS) SWITCHES (CONTROLLED PANEL, IN A FLOW LOOP



LINE LEGEND PRIMARY PROCESS (CLOSED CONDUIT, PARALLELING LINES ALTERNATE FLOW STREAM) SECONDARY PROCESS BYPASS PROCESS (A) (B) PROCESS (OPEN CHANNEL) (A) TOTAL OF 2 SIGNALS ANALOG SIGNAL (4 TO 20 mAdc, ETC.) 3 TYPICAL SETS OF DISCRETE 2 SIGNALS FACH (ON/OFF, ETC.) TOTAL OF 6 SIGNALS. CONNECTING LINES PNEUMATIC SIGNAL -X X X - FILLED SYSTEM SIGNAL HYDRAULIC SYSTEM SIGNAL DATALINK FACILITY BOUNDARY PACKAGE SYSTEM NON-CONNECTING LINES TYPICAL BREAK **INTERFACE SYMBOLS** W-A PROCESS INTERFACE



SELF CONTAINED VALVE & EQUIPMENT TAG NUMBERS

W-D-X-Y

UNIT PROCESS NUMBER

COMPRESSOR

ARV AIR RELEASE VALVE AIR AND VACUUM RELEASE VALVE BLOWER **AVRV**

> EJECTOR E EJECT GTE GATE MECHANICAL EQUIPMENT MIX MIXER NMH

CMP

MONORAIL PMF PRV PRESSURE RELIEF VALVE

SCR SCREEN

LOOP NUMBER UNIT NUMBER

COMPONENTS AND PANELS SHOWN WITH A SINGLE ASTERISK (*) ARE TO BE PROVIDED AS PART OF A

ABBREVIATIONS & LETTER SYMBOLS

- COMPONENTS AND PANELS SHOWN WITH A DOUBLE ASTERISK (**) ARE TO BE PROVIDED UNDER DIVISION 26, ELÉCTRICAL.
- COMPONENTS SHOWN WITH A DIAMOND (\spadesuit) ARE PART OF PROCESS INSTRUMENTATION AND CONTROLS.
- THIS IS A STANDARD LEGEND. THEREFORE, NOT ALL OF THIS INFORMATION MAY BE USED ON THE PROJECT

CONTROL 2MHILL INSTRUMENTATION AND LEGEND SHEET 1 VERIFY SCALE BAR IS ONE INCH ON

MARCH 2013 🗅 457133 III PROJ ^{001-G-040}1 ග WG

