	ABBREVIATI	ONS		PIPING S
AAV AD	AIR ADMITTANCE VALVE ACCESS DOOR	HHWS HHWR	HEATING HOT WATER SUPPLY HEATING HOT WATER RETURN	/
AFF AHP ALP	ABOVE FINISHED FLOOR COMPRESSED AIR HIGH PRESSURE COMPRESSED AIR LOW PRESSURE	HX IA INF	HEAT EXCHANGER INSTRUMENT AIR INFILTRATION	
AFS AHU	AIR FLOW MEASURING STATION AIR HANDLING UNIT	LAT LB	LEAVING AIR TEMPERATURE POUND	
AMS AP ATC	AIR MEASURING STATION ACCESS PANEL AUTOMATIC TEMPERATURE CONTROL	LBD LBG LFD	LINEAR BAR DIFFUSER LINEAR BAR GRILLE LAMINAR AIRFLOW DIFFUSER	
AVB AWC	ABOVE WALKABLE CEILING	LFM LLD	LAMINAR FLOW MODULE LINEAR LOUVER DIFFUSER	□ └ └ □ ▼XX F
AWT AW	AVERAGE WATER TEMPERATURE ACID WASTE	LLG LPA	LINEAR LOUVER GRILLE LOW PRESSURE AIR	MF
AV BD BDD	ACID VENT BALANCE DAMPER BACKDRAFT DAMPER	LPC LPS LSD	LOW PRESSURE CONDENSTATE LOW PRESSURE STEAM LINEAR SLOT DIFFUSER	
BFP BHP	BACKFLOW PREVENTER BRAKE HORSEPOWER	LV LSG	LAB VACUUM LINEAR SLOT GRILLE	н
BOI BOD BOP	BOTTOM OF INSULATION BOTTOM OF DUCT BOTTOM OF PIPE	LVD LVG	LINEAR VARIABLE VOLUME DIFFUSER LINEAR VARIABLE VOLUME GRILLE LEAVING WATER TEMPERATURE	Р
BSC BSL	BIO-SAFETY CABINET BIO-SAFETY LEVEL	LWT LF MBH	LEAVING WATER TEMPERATURE LINEAR FEET THOUSAND BTU'S PER HOUR	P
BT BTD	BUCKET TRAP BUBBLE TIGHT DAMPER	MEZZ MH	MEZZANINE MANHOLE	
BTU BTUH C	BRITISH THERMAL UNITS BTU'S PER HOUR CONDENSATE	MOD MPC MPS	MOTOR OPERATED DAMPER MEDIUM PRESSURE CONDENSATE MEDIUM PRESSURE STEAM	P/T P
C CC CD	CONDENSATE COOLING COIL CEILING DIFFUSER	(N) NC	NEW NORMALLY CLOSED	
CDR CHGS	CEILING DIFFUSER, ROUND CHILLED GLYCOL SUPPLY	NIC NO	NOT IN CONTRACT NORMALLY OPEN	
CHGR CO CFM	CHILLED GLYCOL RETURN CLEAN OUT CUBIC FEET PER MINUTE	NTS OA OAI	NOT TO SCALE OUTSIDE AIR OUTSIDE AIR INTAKE	S C R
CHS CHR	EXISTING CHILLED WATER SUPPLY EXISTING CHILLED WATER RETURN	OBD OF	OPPOSED BLADE DAMPER OVER FLOW	R E
CS CSG CUH	CLEAN STEAM CLEAN STEAM GENERATOR CABINET UNIT HEATER	PCGR PCGS	PROCESS CHILLED GLYCOL RETURN PROCESS CHILLED GLYCOL SUPPLY	s s
CV CVE	CONTROL VALVE CONSTANT VOLUME EXHAUST	PCR PD PFD	PUMPED CONDENSATE RETURN PROCESS DRAIN PERFORATED FACE DIFFUSER	
CVR CVS	CONSTANT VOLUME RETURN CONSTANT VOLUME SUPPLY	PFG PG	PERFORATED FACE GRILLE PROPANE GAS	s s
CWFI DB	COLD WATER FOR INJECTION DRY BULB	PHC PHW	PREHEAT COIL PROCESS HOT WATER	
DCW DIA DFD	DOMESTIC COLD WATER DIAMETER DYNAMIC FIRE DAMPER	PPH PRV	POUNDS PER HOUR PRESSURE REDUCING VALVE	
DHW	WITH ACCESS DOOR DOMESTIC HOT WATER	PSI PV PW	POUNDS PER SQUARE INCH PROCESS VENT PROCESS WASTE	ті
DHWR DN	DOMESTIC HOT WATER RETURN DOWN	R RA	REFRIGERANT RETURN AIR	
DPT DV	DIFFERENTIAL PRESSURE TRANSMITTER DRAIN VALVE	RD RG	ROOF DRAIN RETURN GRILLE RECTANGULAR FILTER GRILLE	
EA EAC EAT	EXHAUST AIR EXHAUST AIR CONTROLLER ENTERING AIR TEMPERATURE	RFG RH RHC	RECTANGULAR FILTER GRILLE RELATIVE HUMIDITY REHEAT COIL	
EF EG	EXHAUST FAN EXHAUST GRILLE	RPM RR	REVOLUTIONS PER MINUTE RETURN REGISTER	
EJ EL	EXPANSION JOINT ELEVATION	RWC S	RAIN WATER CONDUCTOR STEAM	
ER ESP ET	EXHAUST REGISTER EXTERNAL STATIC PRESSURE ELEPHANT TRUNK	SA SAN SAC	SUPPLY AIR SANITARY SUPPLY AIR CONTROLLER	
ES-X EW-X	EMERGENCY SHOWER EYE-FACE WASH	SAT SC	SOUND ATTENUATOR SAMPLE COOLER	NS
EWS-X EXF	EMERGENCY SHOWER/EYE-FACE WASH EXFILTRATION	SD SD/FD	SMOKE DAMPER WITH ACCESS DOOR COMBINATION SMOKE/FIRE DAMPER	
EWT EXH [°] F	ENTERING WATER TEMPERATURE EXHAUST DEGREE FAHRENHEIT	SG SP	WITH ACCESS DOOR SUPPLY GRILLE STATIC PRESSURE	V.
FC FCO	FLEXIBLE CONNECTION FLOOR CLEAN OUT	SR SS	SUPPLY REGISTER STAINLESS STEEL	
FCU F.D.	FAN COIL UNIT FLOOR DRAIN FIRE DAMPER WITH ACCESS DOOR	STM SV	STEAM STEAM VENT	
FD FF FFU	FIRE DAMPER WITH ACCESS DOOR FINISHED FLOOR FAN FILTER UNIT	TCU TCUR TCUS	THERMAL CONTROL UNIT THERMAL CONTROL UNIT RETURN THERMAL CONTROL UNIT SUPPLY	
FH FHE	FUME HOOD FUME HOOD EXHAUST	TDV TG	THERMAL DISPLACEMENT VENTILATOR TRANSFER GRILLE	S
F&T FPM	FLOAT & THERMOSTATIC TRAP FEET PER MINUTE FINNED TUBE RADIATION	TT TOD	THERMOSTATIC TRAP	
FTR GAL GPH	GALLONS GALLONS PER HOUR	TOP TYP TSP	TOP OF PIPE TYPICAL TOTAL STATIC PRESSURE	
GPM GR	GALLONS PER MINUTE GRILLE	TW UH	TEMPERED WATER UNIT HEATER	
GRV HC HD	GRAVITY ROOF VENT HEATING COIL HUB DRAIN	V VAV VD	VENT VARIABLE AIR VOLUME VOLUME DAMPER	
HHGS HHGR	HEATING HOT GLYCOL SUPPLY HEATING HOT GLYCOL RETURN	VFD VHP	VARIABLE FREQUENCY DRIVES VAPORIZED HYDROGEN PEROXIDE	
HP HPA HPC	HORSEPOWER HIGH PRESSURE AIR HIGH PRESSURE CONDENSATE	VI VVE	VIBRATION ISOLATOR VARIABLE VOLUME EXHAUST	
HPS HRS HRR	HIGH PRESSURE STEAM HEAT RECOVERY SUPPLY HEAT RECOVERY RETURN	VVR VVS WB	VARIABLE VOLUME RETURN VARIABLE VOLUME SUPPLY WET BULB	
HV	HAND VALVE	WG	WATER GAUGE	
	LINE NUMBERING SYSTEM			
	<u>1 1/2" - WFI - 100101 - SST4 - HC</u> <u>INSULATION</u> HC - HEAT CONSERVATION			
	CC - COLD CONSERVATION PP - PERSONNEL PROTECT AS - ANTI SWEAT	1		
	CH - COLD CONSERVATION STEAMABLE	I BUT		
	PIPE SPECIFICATION SEQUENTIAL NUMBER P&ID DRAWING NUMBER			
	SERVICE LINE SIZE			
	MANUAL VALVE IDENTIFICATION			
	V-01 SEQUENTIAL NUMBER VALVE CODE			
	INSTRUMENT SYMBOLS			
	?			
	2 DISTRIBUTED CONTROL SYSTEM INSTRUM	IENT		
	? FIELD MOUNTED INSTRUMENT			
	?			
			J	
		/		
		/		

2 3

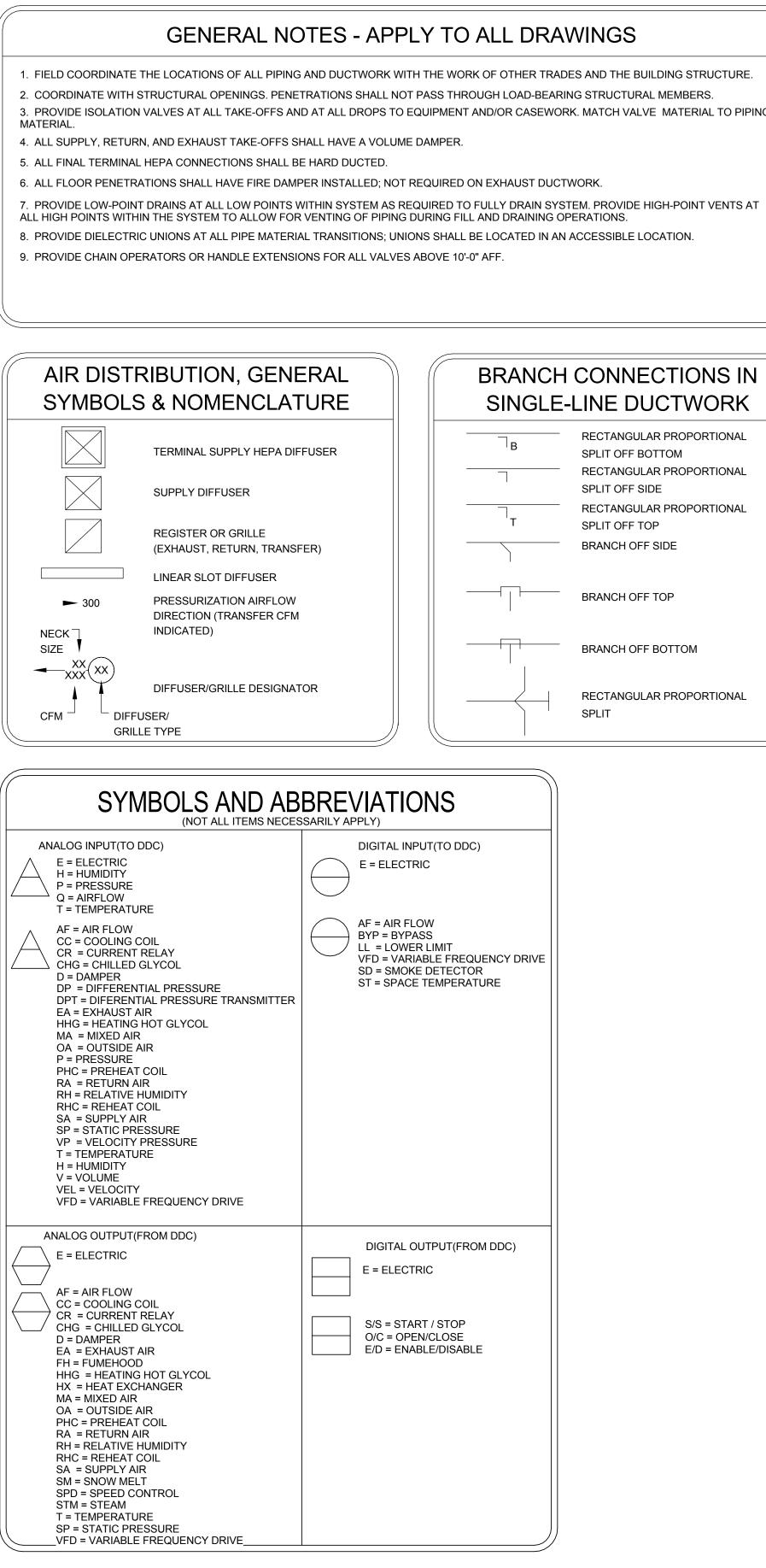
ORIGINAL SHEET - ANSI E (34"x44")

4

PIPING	SYMBOLS	AIR I SYM
2	AIR OR STEAM VENT	
т —	DIFFERENTIAL PRESSURE	
	TRANSMITTER	
	EXPANSION JOINT, BELLOWS	
)	EXPANSION JOINT, OFFSET	
	EXPANSION LOOP	
\propto —	FLEXIBLE CONNECTION	
1	FLOW METER	
FS	FLOW SWITCH	
	HOSE BIB	
<u>/</u>	PIPE ANCHOR	
<u> </u>	PIPE GUIDE	
	PRESSURE GAUGE AND VALVE	
Τ	PRESSURE/TEMPERATURE PLUG	
>	REDUCER, CONCENTRIC	
	REDUCER, ECCENTRIC STRAIGHT CROWN	
<u>ــــــــــــــــــــــــــــــــــــ</u>	REDUCER, ECCENTRIC	
I	STRAIGHT INVERT RISER OR ELBOW DOWN	
	RISER UP AND DOWN,	
	ELBOW UP	
<u></u>	STEAM TRAP	│
	STRAINER	
	STRAINER W/GATE VALVE W/NIPPLE & CAP	
]		
	THERMOMETER	
	THERMOMETER WELL	
	UNION OR FLANGED CONNECTION	
/	VALVE, AUTOMATIC FLOW CONTROL	
_ 	VALVE, BALANCING	
r	VALVE, BUTTERFLY	
	VALVE, CHECK	
NS	VALVE, CHECK NON-SLAM	s
	VALVE, DRAIN W/NIPPLE & CAP	
	VALVE, NEEDLE	
	VALVE, PRESSURE REGULATING	Т
ý 	VALVE, RELIEF (SAFETY)	
<	VALVE, SHUT-OFF	
	VALVE, SHUT-OFF LOCK SHIELD	
	VALVE, SOLENOID	
	VALVE, THREE-WAY CONTROL	AF
-	VALVE, TRIPLE DUTY	
/1		
入 一 一	VALVE, BALL	
	-	

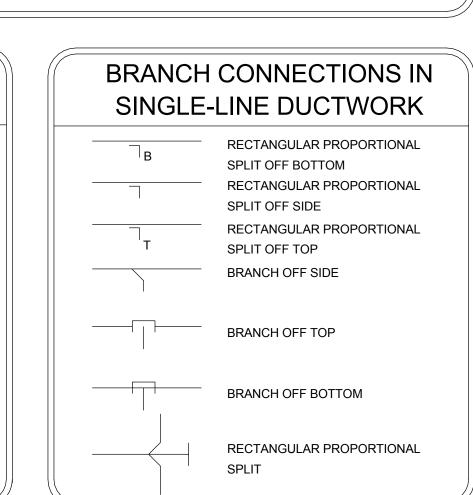
	BUTION, GENERAL
	TRANSFER DUCT, SEE DETAIL
	TRANSFER DUCT, SEE DETAIL W/RETURN/TRANSFER GRILLE
	TRANSFER DUCT, SEE DETAIL W/RETURN/TRANSFER GRILLE
	AIR CUSHION, 12" LONG MIN.
	AIR CUSHION, 12" LONG MIN.
	VOLUME DAMPER
*	_ DAMPER (TYPE AS INDICATED; BDD, BD, MOD, SD/FD, VD, ETC.)
	DIAMETER
DP	DIFFERENTIAL PRESSURE TRANSMITTER
	DOOR LOUVER (FREE AREA IN SQ. FEET)
	DOOR UNDERCUT
D	DUCT DROP (SLOPING)
	DUCT DROP (90°)
R	DUCT RISE (SLOPING)
E	DUCT RISE (90°) (RISE AND DROP IN DIRECTION OF AIR FLOW)
	TRANSFER AIR
	FLEXIBLE CONNECTION
	FLEXIBLE DUCTWORK
~~~~	FLEXIBLE DUCTWORK
	HUMIDIFIER (DUCT MOUNTED)
	HUMIDIFIER (DUCT MOUNTED)
Н	HUMIDISTAT
MG	MAGNEHELIC
SD	SMOKE DETECTOR
SP	STATIC PRESSURE SENSOR
	THERMOSTAT
ТН	THERMOSTAT AND HUMIDISTAT
	TEMP. TRANSMITTER
	DUCT TRANSITION (RECTANGULAR TO RECTANGULAR)
	DUCT TRANSITION (RECTANGULAR TO ROUND)
AFS	AIRFLOW MEASURING STATION
AFS	AIRFLOW MEASURING STATION
	POINT OF CONNECTION, NEW TO EXISTING
	POINT OF DISCONNECTION, DEMO FROM EXISTING
	FIRE DAMPER

NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE REQUIRED FOR THIS PROJECT



## GENERAL NOTES - APPLY TO ALL DRAWINGS

3. PROVIDE ISOLATION VALVES AT ALL TAKE-OFFS AND AT ALL DROPS TO EQUIPMENT AND/OR CASEWORK. MATCH VALVE MATERIAL TO PIPING



TIONS
TAL INPUT(TO DDC)
ELECTRIC

BYP = BYPASS / LL = LOWER LIMIT VFD = VARIABLE FREQUENCY DRIVE SD = SMOKE DETECTOR ST = SPACE TEMPERATURE

DIGITAL OUTPUT(FROM DDC)

		0				9		
FIRST LETTER         SUCCEEDING LETTERS         ADDI LETTER           INVESTIGATION         MODIFIER         FUNCTION         PERCENTRAL           INVESTIGATION         DEMONSTRATE         CONTROL         SCHEMOLIZE         CONTROL         SCHEMOLIZE         CONTROL         CONTROL         SCHEMOLIZE         CONTROL         CONTROL         SCHEMOLIZE         CONTROL			INSTR			G		
Analysis coultry         MODIFIER         FUNCTION         FOR CONTROL DENTIFICATION           6         AMALYSIS COULTY         ARRESIDE, ALAM         NODE BITTIFICATION           7         DESCRIPTION         CONTROL         CONTROL         CONTROL           8         RUBRER 1, APE         CONTROL         CONTROL         CONTROL         CONTROL           9         MODIFIER         CONTROL         CONTROL         CONTROL         CONTROL           1         CARABINE 1, APE         CONTROL         CONTROL         CONTROL         CONTROL           1         CARABINE 1, APE         CONTROL         CONTROL         CONTROL         CONTROL           1         CARABINE 1, APE         CONTROL         ROLCIOR         MICH 0         MICH 0           1         CARABINE 1, APE         CONTROL         INCOLOR         MICH 0         MICH 0           1         CARABINE 1, APE 0, APE 1, APE						U		
A         Newsies Quality         Pressues Quality <th< td=""><td colspan="2">FIRST LETTER</td><td colspan="2"></td><td></td><td colspan="2">FOR CONTROI EQUIPMENT</td></th<>	FIRST LETTER					FOR CONTROI EQUIPMENT		
S         BURNET AUE         CONTROL CR         CONTROL CR         COSE           D         CALING, MINUT, CONTRUT, ONTROL         SEKECH YRENEY FLUCTENEN, I         INTO           D         CALING, MINUT, CORRENT, YORK         SEKECH YRENEY FLUCTENEN, I         INTO           D         CALING, MINUT, CORRENT, YORK         SEKECH YRENEY FLUCTENEN, I         INTO           D         DERFERT, MILL         RADATOR         INTO           D         DERFERT, MILL         INTO         INTO           D         DERFERT, MILL         INTO         INTO           D         DERFERT, MILL         INTO         INTO           D         DERFERT, PARE         INTO         INTO           D         INTO         INTO				MODIFIER				
D         Description         Differentiation         Differentiation           0         VOLADGE ENLANCE CAME         SARDOR Product ELEMENT         INFORMATION           1         INSTITUTION CONTRACT         NOICATOR         MIRELOPEN           1         INSTITUTION CONTRACT         NOICATOR         MIRELOPEN           1         INSTITUTION CONTR         CONTRUM         NOICATOR         MIRELOPEN           1         INSTITUTION CONTR         CONTRUM         CONTRUM         NOICATOR           1         INSTITUTION CONTR         CONTRUM         CONTRUM         CONTRUM           1         INSTITUTION CONTR         CONTRUM         CONTRUM         CONTRUM           1         INSTITUTION CONTR         MIREL         LIGHT PROTOCON         CONTRUM           0         INSTITUTION CONTRUM         CONTRUM         CONTRUM         CONTRUM           0         INSTITUTION CONTRUM         CONTRUM         CONTRUM         CONTRUM           0         INSTITUTION CONTRUM         CONTRUM         CONTRUM         CONTRUM           1         INSTITUTION CONTRUM         CONTRUM         CONTRUM         CONTRUM         CONTRUM           1         INSTITUTION CONTRUM         CONTRUM         CONTRUM         CONTRUM								E (INTERMEDIA
E         DEVELORE PRIVAPY DEPART, POWER         STREET           FLOOR PRIVAPY DEPART         AND         CASS GUAGE         HIGH CPTN           C         STANDE         CASS GUAGE         HIGH CPTN           I         CAPERAT RECENTRAL         SOM         NOCATOR         HIGH CPTN           I         NOTOR         MORENTRAL         DEFINITION         OPEN         PERSON           I         NOTATION         OVERTICE         MORENTRAL         PERSON         PERSON           I         NOTATION RECENTRAL         MORENTRAL         NOTATION         PERSON					CONTROLLER		CLOSE	Ð
F. PLOWATE, FLAME         KANDO         CASS GLACE         FLAME           G. SACKE         GLASS GLACE         BOCATOR         BICK OPEN           GLARENT (FLORAL)         SCAN         BOCATOR         BICK OPEN           J. POWER         SCAN         BOCATOR         BICK OPEN           J. ROWER         SCAN         BOCATOR         BICK OPEN           J. ROWER         MARINE OF COMARD CANTOR STATION         CM OLOSED           J. ROWER         MONENTARY         DEFICIE         BICK OPEN           J. ROWER         MONENTARY         DEFICIE         BICK OPEN           J. ROWER         MONENTARY         DEFICIE         BICK OPEN           J. ROWER         RAMATON RESTRICTION         OPEN         PERSINGER OF WALLIAM           G. RAMITTY         TOTALEE INTEGRATE         RCONDER (HADDWER)         INTERMENTARY           J. ROWERNER RESTRICTION         SERVICE         MARTINGTON         INTERMENTARY           J. ROWERNER         VALUE         MARTINGTON         INTERMENTARY           J. ROWERNER         VALUE         MARTINGTON         INTERMENTARY           J. ROWERNER         VALUE         MARTINGTON         INTERMENTARY           J. ROWERNER         CONDE         MARTINGTON         INTERMENTARY				DIFFERENTIAL	SENSOR (PRIMARY ELEMENT)			
H         IMAGE ANTONING         INDUCTOR         INDUCTOR         INDUCTOR           LOSSEN (FERTINGL)         SCAN         SCAN         INDUCTOR         INDUCTOR           L         LOVER         SCAN         SCAN         INDUCTOR         INDUCTOR           L         LEVEL         DEPENDENCE         SCAN         INDUCTOR         INDUCE           L         LEVEL         DEPENDENCE         SCAN         INDUCE         INDUCE           L         LEVEL         DEPENDENCE         SCAN         INDUCE         INDUCE           L         LEVEL         DEPENDENCE         SCAN         INDUCE         INDUCE         INDUCE           L         LEVEL         DEPENDENCE         SCAN         INDUCE         INDUCE <t< td=""><td>F FLOW RATE, FLAME</td><td>, ,</td><td></td><td>RATIO</td><td></td><td></td><td></td><td></td></t<>	F FLOW RATE, FLAME	, ,		RATIO				
IDURNAL         INDUCTOR           IDURNAL         SOAN         INTRE SOLUCE         INTRE FOR G CANAGE CONTROL STATION           ILVER         INTRE OF CARAGE CONTROL STATION         INTRE OF CARAGE CONTROL STATION         INTRE OF CARAGE CONTROL STATION           IDURD         INTER OF CARAGE CONTROL STATION         INTRE OF CARAGE CONTROL STATION         INTRE OF CARAGE CONTROL STATION           IDURD         INTRE OF CARAGE CONTROL STATION         OPEN         INTRE OF CARAGE CONTROL STATION           IDURD CONTROL STATION         INTRACEMENT STATION         INTRACEMENT STATION         INTRACEMENT STATION           IDURD CONTROL STATION         INTRACEMENT STATION         INTRACEMENT STATION         INTRACEMENT STATION           IDURD CONTROL STATION         INTRACEMENT STATION         INTRACEMENT STATION         INTRACEMENT STATION           INTRACESS INTO INTROM         INTRACEMENT STATION         INTRACEMENT STATION         INTRACEMENT STATION           INTRACESS INTO INTROM         INTRACESS INTRACEMENT STATION         INTRACESS INTRACEMENT STATION         INTRACESS INTRACEMENT STATION           INTRACESS					GLASS, GUAGE		HIGH	
K         TIME SHEDULE         TIME PARE OF CHANCE         CONTROL STATION         CONTROL STATION           K         MOTOR         MONTRARY         ENERSIDE         MOTOLE           N         MOTOR         MONTRARY         ENERSIDE         MOTOLE           N         MOTOR         MONTRARY         ENERSIDE         MOTOLE           N         MOTOR         MOTOLE         MOTOLE         MOTOLE           N         MOTOR         MOTOLE         MOTOLE         MOTOLE           N         MOTOLE         MOTOLE         MOTOLE         MOTOLE           N         MOTOLE         TOTALIZE, INTEGRATE         MOTOLE         MOTOLE           N         MOTOLE         MOTOLE         MOTOLE         MOTOLE         MOTOLE           N         MOTOLE         MOTOLE         MOTOLE         MOTOLE         MOTOLE           N         MOTOLE         MOTOLE         MOTOLE         MOTOLE         MOTOLE         MOTOLE           N         MOTOLE		AL)			INDICATOR			
L LEVEL WINDOW WORK OF CONTROL 1000 CONTROL 10000 CONTROL 1000 CONTROL 10000 CONTROL 1000								
N         MODEL         MODEL         MODEL         MODEL           N         Instruction         ORIFICE, RESTRICTION         OPEN           0         NOTSEB         ORIFICE, RESTRICTION         OPEN           0         NOTSEB         READATION, RESTRICTION         OPEN           0         NOTSEB         RECORDER (HAROWIRE)         Instruction           1         STEED, RECOLLENCY, RMI         SAFETY         SWITCH         Instruction           1         INTLANARUARE         MULT, FUNCTION         MULT, FUNCTION         Instruction           1         INTLANARUARE         MULT, FUNCTION         MULL         Instruction           1         MULT, MARKER         MULL         MULL         MULL           2         POSITION, DIMENSION         ZAKIS         INALESEMMERT, DUNCTIONER         MULL           2         POSITION, DIMENSION         ZAKIS         INALESEMMERT, DUNCTIONER         MULL         MULL         AREA SPE           VARIER         POSITION, DIMENSION         ZAKIS         INALESEMMERT, DUNCTIONER SCHUCE, DESIGNATION         MECHANICAL         RECONSIST         AREA SPE           VARIER         COPERT, 24 MODER, 15/040 CS, 7304, SS, 50408 MLF         CP11 (CSP4         SSP4           VARIER DUNAREL				TIME RATE OF CHANGE			LOW. (	CLOSED
0         DOT USED         ORPORT, RESTRICTON         OPEN           0         IDANTIY         TOTA/DE, INTEGATE         IDANTIY         IDANTIY           1         REDATOR, RESTRICTON         RECORDER, VARDIVES         IDANTIY           1         SPEED, REDUBLY, RM         SPEETY         SWITCH         IDANTIY           1         TEMPERATURE         IDANTIY         TOTA/SMITTER         IDANTIY           1         MATURARUSE         MULTIFUNCTOR         IDANTIY         IDANTIFUNCTOR           1         MATURARUSE         MULL         IDANTIFUNCTOR         IDANTIFUNCTOR           1         MATURARUSE         WALE         IDANTIFUNCTOR         IDANTIFUNCTOR           1         MATURARUSE         WALE         IDANTIFUNCTOR         IDANTIFUNCTOR           1         COMMERT         TANSENDER         IDANTIFUNCTOR         IDANTIFUNCTOR         IDANTIFUNCTOR           1         RESTRICTOR         COMPERT (7 ALIDER)         IDANTIFUNCTOR         IDANTIFUNCTOR         IDANTIFUNCTOR         IDANTIFUNCTOR           1         RESTRICTOR         COMPERT (7 ALIDER)         IDANTIFUNCTOR         IDANTIFUNCTOR         IDANTIFUNCTOR         IDANTIFUNCTOR           1         SERVICE         CODE         MATURARUSANDE				MOMENTARY				
P         Processing CX WACUUM         TOTALIZE, INTEGRATE           R         PADATION, RESTRICTION         SAFETY         SAVED, PSUBLEX, PSU								
R         Recording register (Construction)         Incorrect (Main Structure)           SPEED, FREQUENCY, RPM         SPEED, FREQUENCY, RPM         MULTERVARIAGE         MULTERVARIAGE           V         UBMILWARRAGE         MULTERVICION         Image: Construction of the const		JM						
S         SPEEP;         SWTCH         SWTCH         TAMEBUR, TORUSE           U         MUTURARABLE         MUTURANCTION         WALTER/NOCTON         WALTER/NOCTON           V         WEALT, MUSCOSTY         WALTER/NOCTON         WALTER         WALTER/NOCTON           V         WEALT, SATE, OR PRESSURE         YANS         RELAY, TRANSDUCER, CONVERTER         UNCLASSFED           Z         POSITION, DMENSION         ZAKIS         UNCLASSFED FINAL CONTROL ELEMENT, ACTUATOR         RECAY, MASS           VEX.         COMO         ZAKIS         UNCLASSFED FINAL CONTROL ELEMENT, ACTUATOR         RECAY           WITER         SERVICE         CODE         MATERIAL         MECHANICAL AREA SPEE         AREA SPEE           WITER ANT         PW         COPPER (17 & IMDER) / SOHOL S. 1204 & S. SOHOS M.F.         CPL1 (CSM         SSM           WITER FORDARE COLD         OW         COPPER (17 & IMDER) / SOHOL S. 1204 & S. SOHOS M.F.         CPL1 (CSM         SSM           WITER FORDARE COLD         OW         COPPER (17 & IMDER) / SOHOL S. 1204 & S. SOHOS M.F.         CPL1 (CSM         SSM           WITER FORDARE COLD         OW         COPPER (17 & IMDER) / SOHOL S. 1204 & S. SOHOS M.F.         CPL1 (CSM         SSM           WITER FORDARE COLD         OW         COPPER (17 & IMDER) / SOHOL S. 1204 & S.				TOTALIZE, INTEGRATE				
T         Temperature         Transmitter           V         MULTURMABLE         MULTURMENTON           V         MURTURMABLE         MULTURMENTON           V         MURTURMABLE         MULTURMENTON           V         MURTURMABLE         MULTURMENTON           V         VENT, STALE, OP PRESSURE         Y ANS           V         VENT, STALE, OP PRESSURE         Y ANS           VENT, STALE, OP PRESSURE         Y ANS           VENT, STALE, OP PRESSURE         Y ANS           VENTER         MUCLASSFIED ENGLACION           VENTER         CODPER (2'A LINDER/) / SCHID C.S. / 304, S.S. SCHIDS M.F.           VATER         COMPER (2'A LINDER/) / SCHID C.S. / 304, S.S. SCHIDS M.F.           VATER PLATT         PW         COPPER (2'A LINDER/) / SCHID C.S. / 304, S.S. SCHIDS M.F.           VATER PLAT         PW         COPPER (2'A LINDER/) / SCHID C.S. / 304, S.S. SCHIDS M.F.           VATER PLAT         PW         COPPER (2'A LINDER/) / SCHID C.S. / 304, S.S. SCHIDS M.F.           VATER PLAT         PW         COPPER (2'A LINDER/) / SCHID C.S. / 304, S.S. SCHIDS M.F.           VATER PLAT         PW         COPPER (2'A LINDER/) / SCHID C.S. / 304, S.S. SCHIDS M.F.           VATER PLAT SCHID         YW         COPPER (2'A LINDER/) / SCHID C.S. / 304, S.S. SCHIDS M.F.				SAFFTY	,			
VIDE         VIDE <th< td=""><td>T TEMPERATURE</td><td></td><td></td><td><u> </u></td><td>TRANSMITTER</td><td></td><td></td><td></td></th<>	T TEMPERATURE			<u> </u>	TRANSMITTER			
WELL         WELL         WELL           VEXT, STATE, OR PRESURE         Y ANS         RELAY, TRANSDUCER, CONVERTER         UNCLASSRED           VEXT, STATE, OR PRESURE         Y ANS         RELAY, TRANSDUCER, CONVERTER         UNCLASSRED           VEXTER         VAIS         UNCLASSRED FINAL CONTROL ELEMENT, ACTUATOR         PROCESS           SERVICE         CODE         MATERIAL         AREA SPEC         AREA SPEC           WATER PARALE, COLD         COV         COPPER (74 UNDER) (SCH00 C.S. / 304. S.S. SCH03 M.F.         CPL1/CSPH         SSR4           WATER POTABLE, COLD         CW         COPPER (74 UNDER) (SCH00 C.S. / 304. S.S. SCH03 M.F.         CPL1/CSPH         SSR4           WATER POTABLE, COLD         CW         COPPER (74 UNDER) (SCH00 C.S. / 304. S.S. SCH03 M.F.         CPL1/CSPH         SSR4           WATER TRUE SUPPLY         TEPS         COPPER (74 UNDER) (SCH00 C.S. / 304. S.S. SCH03 M.F.         CPL1/CSPH         SSR4           WATER TRUE SUPPLY         TEPS         COPPER (74 UNDER) (SCH00 C.S. / 304. S.S. SCH03 M.F.         CPL1/CSPH         SSR4           WATER TRUE RETURN         TEPS         COPPER (74 UNDER) (SCH00 C.S. / 304. S.S. SCH03 M.F.         CPL1/CSPH         SSR4           WATER TRUE RETURN         TEPS         COPPER (74 UNDER) (SCH00 C.S. / 304. S.S. SCH03 M.F.         CPL1/CSPH         SSR4		V						
X         COMMON         VAIS         RELAY, TRANSDUCER, CONVERTER         UNCLASSIFIED           Z         POSITION, DIMENSION         Z AXIS         UNCLASSIFIED FINAL CONTROL ELEMENT, ACTUATOR         UNCLASSIFIED           X         COMMON         Z AXIS         UNCLASSIFIED FINAL CONTROL ELEMENT, ACTUATOR         PROCESS           X         DESTION, DIMENSION         Z AXIS         UNCLASSIFIED FINAL CONTROL ELEMENT, ACTUATOR         PROCESS           WATER TRANST         PW         COOPER, (74 & UNDER), SCH40, C.S. / 34L, S. S. SCH405, M.F.         CPL1/CSR4         SSR4           WATER FINALE COLD         OW         COOPER, (74 & UNDER), SCH40, C.S. / 34L, S. S. SCH405, M.F.         CPL1/CSR4         SSR4           WATER TROTBALE HOT         HW         COOPER, (74 & UNDER), SCH40, C.S. / 34L, S. S. SCH405, M.F.         CPL1/CSR4         SSR4           WATER TROTB RUPLY         TERS         COMPER, (74 & UNDER), SCH40, C.S. / 34L, S. S. SCH405, M.F.         CPL1/CSR4         SSR4           WATER TROTE RUPLY         TWS         COMPER, (74 & UNDER), SCH40, C.S. / 34L, S. S. SCH405, M.F.         CPL1/CSR4         SSR4           WATER INDER DUPLY         COS         COMPER, (74 & UNDER), SCH40, C.S. / 34L, S. S. CH405, M.F.         CPL1/CSR4         SSR4           WATER INDER DUPLY         COS         COMPER, (74 & UNDER), SCH40, C.S. / 34L, S. S. CH405, M.F.<		ı						
Z         POSITION, DIMENSION         Z ANIS         UNCLASSIFIED FINAL CONTROL ELEMENT, ACTUATOR           PIPING SERVICE         MATERIAL         MECHANICAL AREA SPPC         PROCESS AREA SPPC           WATER         O         OPPER (7 & UNDER) / SCH00 C.S. / 304L S.S. SCH405 M.F.         CPL 1/ CSP4         SSP4           WATER INANT         PW         COPPER (7 & UNDER) / SCH00 C.S. / 304L S.S. SCH405 M.F.         CPL 1/ CSP4         SSP4           WATER INTALE COLD         CW         COPPER (7 & UNDER) / SCH00 C.S. / 304L S.S. SCH405 M.F.         CPL 1/ CSP4         SSP4           WATER TOTALE HOT         HW         COPPER (7 & UNDER) / SCH00 C.S. / 304L S.S. SCH405 M.F.         CPL 1/ CSP4         SSP4           WATER TOTALE RUDY         TEPS         COPPER (7 & UNDER) / SCH00 C.S. / 304L S.S. SCH405 M.F.         CPL 1/ CSP4         SSP4           WATER INDER DEURN         TWR         COPPER (7 & UNDER) / SCH00 C.S. / 304L S.S. SCH405 M.F.         CPL 1/ CSP4         SSP4           WATER INDER DEURN         TWR         COPPER (7 & UNDER) / SCH00 C.S. / 304L S.S. SCH405 M.F.         CPL 1/ CSP4         SSP4           WATER INDER DEURN         UNDER) / SCH00 C.S. / 304L S.S. SCH405 M.F.         CPL 1/ CSP4         SSP4           WATER INDER DOL RETURN         HGR COPPER (7 & UNDER) / SCH00 C.S. / 304L S.S. SCH405 M.F.         CPL 1/ CSP4         SSP4	X COMMON							
PIPING SERVICE DESIGNATION           SERVICE         CODE         MATERIAL         MECHANICAL RREA SPEC         PROCESS RREA SPE           WATER NUMER         PW         COPPER (3* a UNDER) / SCH40 C.S. / 364L S.S. SCH405 M.F.         CPL1 / CSR4         SSR4           WATER NOTABLE COLD         CW         COPPER (3* a UNDER) / SCH40 C.S. / 364L S.S. SCH405 M.F.         CPL1 / CSR4         SSR4           WATER NOTABLE COLD         CW         COPPER (3* a UNDER) / SCH40 C.S. / 364L S.S. SCH405 M.F.         CPL1 / CSR4         SSR4           WATER TREPD SUPELY         TEPS         COPPER (3* a UNDER) / SCH40 C.S. / 364L S.S. SCH405 M.F.         CPL1 / CSR4         SSR4           WATER TREP RETURN         TEPR         COPPER (3* a UNDER) / SCH40 C.S. / 364L S.S. SCH405 M.F.         CPL1 / CSR4         SSR4           WATER TREP RETURN         TMR         COPPER (3* a UNDER) / SCH40 C.S. / 364L S.S. SCH405 M.F.         CPL1 / CSR4         SSP4           WATER TRUEN         TMR         COPPER (2* a UNDER) / SCH40 C.S. / 364L S.S. SCH405 M.F.         CPL1 / CSR4         SSP4           WATER TRUEN         TMR         COPPER (2* a UNDER) / SCH40 C.S. / 364L S.S. SCH405 M.F.         CPL1 / CSR4         SSP4           MATER MAT SOFTENED         SSP         COPPER (2* a UNDER) / SCH40 C.S. / 364L S.S. SCH405 M.F.         CPL1 / CSR4         SSP4           MATER MAT S						NT. ACTUATOR	-	ASSIFIED
SERVICE         CODE         MATERIAL         MECHANICAL AREA SPEC         PROCES: AREA SPE           WATER FUNT         PM         COPPER (3 & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL / CSP4         SSP4           WATER FUNT         PM         COPPER (3 & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL / CSP4         SSP4           WATER TEIND BURPLY         TEPS         COPPER (3 & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL / CSP4         SSP4           WATER TEIND SUPPLY         TEPS         COPPER (3 & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL / CSP4         SSP4           WATER TOWER SUPPLY         TWR         COPPER (3 & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL / CSP4         SSP4           WATER TOWER SUPPLY         TWR         COPPER (7 & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL / CSP4         SSP4           WATER NO         NO         POLYPROPYLIDE TUBING / STH4 S.S. TUBING 25 RA M.P.         SP12         SSP4           WATER NO         NO         COPPER (7 & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL / CSP4         SSP4           WATER NO         NO         COPPER (7 & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL / CSP4         SSP4           WATER NO         NO         COPPER (7 & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL / CSP		•				, /		
SERVICE         CODE         MATERIAL         AREA SPE         AREA SPE           WATER         PW         COPPER (3" & UNDER) / SCH40 C.S. / S04L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           WATER POTABLE COLD         CW         COPPER (3" & UNDER) / SCH40 C.S. / S04L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           WATER TEPID SUPPLY         TEPS         COPPER (3" & UNDER) / SCH40 C.S. / S04.S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           WATER TEPID SUPPLY         TEPS         COPPER (3" & UNDER) / SCH40 C.S. / S04.S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           WATER TOWER SUPPLY         TWS         COPPER (3" & UNDER) / SCH40 C.S. / S04.S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           WATER TOWER SUPPLY         TWS         COPPER (3" & UNDER) / SCH40 C.S. / S04.S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           WATER TOWER SUPPLY         TWS         COPPER (2" & UNDER) / SCH40 C.S. / S04.S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           WATER NOTE SOFTENED         SW         COPPER (2" & UNDER) / SCH40 C.S. / S04.S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEATING HOT GLYCOL EURUR         GR         COPPER (2" & UNDER) / SCH40 C.S. / S04.S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEATING HOT GLYCOL EURUR         HRG         COPPER (2" & UNDER) /			I	PIPING SER	/ICE DESIGNATION			1
WATER PLANT         PW         COPPER (3: AUROER) (SCH40 C.S. / 304L, S.S. SCH405 M.F.         CPL / (CSP4         SSP4           WATER POTBALE HOT         HW         COPPER (3: AUROER) (SCH40 C.S. / 304L, S.S. SCH405 M.F.         CPL / (CSP4         SSP4           WATER TEHD SUPPLY         TEPS         COPPER (3: AUROER) (SCH40 C.S. / 304L, S.S. SCH405 M.F.         CPL / (CSP4         SSP4           WATER TEHD SUPPLY         TEPS         COPPER (3: AUROER) (SCH40 C.S. / 304L, S.S. SCH405 M.F.         CPL / (CSP4         SSP4           WATER TOWER SUPPLY         TWS         COPPER (3: AUROER) (SCH40 C.S. / 304L, S.S. CH405 M.F.         CPL / (CSP4         SSP4           WATER TOWER SUPPLY         TWS         COPPER (3: AUROER) (SCH40 C.S. / 304L, S.S. CH405 M.F.         CPL / (CSP4         SSP4           WATER TOWER SUPPLY         TWS         COPPER (3: AUROER) (SCH40 C.S. / 304L, S.S. CH405 M.F.         CPL / (CSP4         SSP4           WATER TOWER SUPPLY         TWS         COPPER (2: AUROER) (SCH40 C.S. / 304L, S.S. SCH405 M.F.         CPL / (CSP4         SSP4           WATER TOWER SUPPLY         HOS         COPPER (2: AUROER) (SCH40 C.S. / 304L, S.S. SCH405 M.F.         CPL / (CSP4         SSP4           WATER TOW         COR         COPPER (2: AUROER) (SCH40 C.S. / 304L, S.S. SCH405 M.F.         CPL / (CSP4         SSP4           HEAT RECOVERY GLYCOL RETURN	SERVICE		CODE		MATERIAL			PROCESS AREA SPE
WATER POTABLE COLD         OW         COPPER (3* & UNDER), SCH40 C.S. 794L, S.S. SCH405, M.F.         CPL1 (CSP4         SSP4           WATER POTABLE HOT         HW         COPPER (3* & UNDER), SCH40 C.S. 794L, S.S. SCH405, M.F.         CPL1 (CSP4         SSP4           WATER TEPID RETURN         TEPS         COPPER (3* & UNDER), SCH40 C.S. 794L, S.S. SCH405, M.F.         CPL1 (CSP4         SSP4           WATER TOWER RETURN         TEPS         COPPER (3* & UNDER), SCH40 C.S. 794L, S.S. CH405, M.F.         CPL1 (CSP4         SSP4           WATER TOWER RETURN         TWK         COPPER (3* UNDER), SCH40 C.S. 794L, S.S. CH405, M.F.         CPL1 (CSP4         SSP4           WATER TOWER RETURN         TWK         COPPER (3* UNDER), SCH40 C.S. 794L, S.S. CH405, M.F.         CPL1 (CSP4         SSP4           WATER TOWER RETURN         TWR         COPPER (2* UNDER), SCH40 C.S. 794L, S.S. CH405, M.F.         CPL1 (CSP4         SSP4           WATER USP DRIFIED         USP 736L, S.S. CH405, M.F.         CPL1 (CSP4         SSP4         CPL1         CPL1         SSP4           CHILED GLYCOL, RETURN         CGS         COPPER (2* UNDER), SCH40 C.S. 794L, S.S. SCH405, M.F.         CPL1 (CSP4         SSP4           HEATING HOT GLYCOL, RETURN         HGS         COPPER (2* UNDER), SCH40 C.S. 794L, S.S. SCH405, M.F.         CPL1 (CSP4         SSP4           HEATING HOT GLYCOL, RE								
WATER POTBALE HOT         HW         COPPER (3* & UNDER), SCH40 CS, 304L, SS, SCH405 M.F.         CPL / CSP4         SSP4           WATER TEPID SUPPLY         TEPS         COPPER (3* & UNDER), SCH40 CS, 304L, SS, SCH405 M.F.         CPL / CSP4         SSP4           WATER TEPID RETURN         TEPR         COPPER (3* & UNDER), SCH40 CS, 304L, SS, SCH405 M.F.         CPL / CSP4         SSP4           WATER TOWER SUPPLY         TWS         COPPER (3* & UNDER), SCH40 CS, 304L, SS, SCH405 M.F.         CPL / CSP4         SSP4           WATER TOWER SUPPLY         TWS         COPPER (3* & UNDER), SCH40 CS, 304L, SS, SCH405 M.F.         CPL / CSP4         SSP4           WATER NO         RO         POLYPROPIE (3* UNDER), SCH40 CS, 304L, SS, SCH405 M.F.         CPL / CSP4         SSP4           WATER NO         RO         POLYPROPIE (2* UNDER), SCH40 CS, 304L, SS, SCH405 M.F.         CPL / CSP4         SSP4           CHILED GI VCOL, SUPPLY         HCGS         COPPER (2* UNDER), SCH40 CS, 304L, SS, SCH405 M.F.         CPL / CSP4         SSP4           HEATING HOT GLVCOL, RETURN         HGR         COPPER (2* UNDER), SCH40 CS, 304L, SS, SCH405 M.F.         CPL / CSP4         SSP4           HEATINCOVER TURN         HGR         COPPER (2* UNDER), SCH40 CS, 304L, SS, SCH405 M.F.         CPL / CSP4         SSP4           HEATINCOVER TURN         HGR         COPPER (2* UNDER), SC					,			
WATER TEPIO RETURN         TEPR         COPPER (3* & UNDER), SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL / / CSP4         SSP4           WATER TOWER SUPPLY         TWS         COPPER (3* & UNDER), SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL / / CSP4         SSP4           WATER TOWER RURN         TWR         COPPER (3* & UNDER), SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL / / CSP4         SSP4           WATER TOP PURIFIED         USP         316L S.S. TUBING 28 RA M.P.         SF2         SF2           MATER TOPURFIED         USP         316L S.S. TUBING 28 RA M.P.         CPL / CSP4         SSP4           CHILED GLYCOL RETURN         CGR         COPPER (2* & UNDER), SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL / / CSP4         SSP4           HEATING HOT GLYCOL RETURN         HGR         COPPER (2* & UNDER), SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL / / CSP4         SSP4           HEAT RECOVERY GLYCOL RETURN         HGR         COPPER (2* & UNDER), SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL / / CSP4         SSP4           FROCESS         COPPER (2* & UNDER), SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL / / CSP4         SSP4           FROCESS         PW         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEANN-NPLACE RETURN         HGR         COPPER (2* & UNDER), SCH40 C.S. / 304L S.S. SCH405 M.F.				COPPER (3" & UNDEF	R) / SCH40 C.S. / 304L S.S. SCH40S M.F.			
WATER TOWER SUPPLY         TWS         COPPER (3* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           WATER ROWER RETURN         TWR         COPPER (3* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           WATER RO         RO         POLYPROPYLENE TUBING / 316L S.S. TUBING 25 RA M.P.         PP1/SF2         SSP4           WATER USP PURFIED         USP         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CHILLED GLYCOL SUPPLY         CGS         COPPER (7* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEATING HOT GLYCOL SUPPLY         HGS         COPPER (7* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEATING HOT GLYCOL RETURN         HGS         COPPER (7* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL USPLY         HGS         COPPER (7* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           FRACESS         PW         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEANIN-FLACE SUPPLY         CIPS         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEANIN-FLACE SUPPLY         HGS         COPPER (7* & UNDER) / SIGL S.S.				· · · · · · · · · · · · · · · · · · ·	,			
WATER TOWER RETURN         TWR         COOPER (* & UNDER) / SCHW C.S. 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           WATER USP PURIFIED         USP         316L S.S. TUBING 25 RA M.P.         SF2         SF2           WATER USP PURIFIED         USP         316L S.S. TUBING 25 RA M.P.         SF2         SF2           WATER USP PURIFIED         USP         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CHILLED GLYCOL SUPPLY         CGS         COPPER (* 2 WINDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEATING HOT GLYCOL RETURN         CGR         COPPER (* 2 WINDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEATING HOT GLYCOL RETURN         HGR         COPPER (* 2 WINDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL RETURN         HGR         COPPER (* 2 WINDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           PROCESS         PW         16L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE SUPPLY         CIPS         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CLEAN-IN-PLACE RUTURN         CIPS         316L S.S. TUBING 25 RA M.P.         SF2         SF2           VI					,			
WATER USP PURIFIED         USP         316L SS. TUBING 25 RA M.P.         SF2         SF2           WATER PLANT SOFTENED         SW         COPPER ("2 MUDER) / SCH40 CS. / 304L SS. SCH405 M.F.         CPL1         -           CHILLED GLYCOL SUPPLY         CGS         COPPER ("2 MUDER) / SCH40 CS. / 304L SS. SCH405 M.F.         CPL1 / CSP4         SSP4           CHILED GLYCOL RETURN         CGR         COPPER ("2 MUDER) / SCH40 CS. / 304L SS. SCH405 M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY CLYCOL SUPPLY         HGS         COPPER ("2 MUDER) / SCH40 CS. / 304L SS. SCH405 M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY CLYCOL RETURN         HGR         COPPER ("2 MUDER) / SCH40 CS. / 304L SS. SCH405 M.F.         CPL1 / CSP4         SSP4           PROCESS         PW         316L SS. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE SUPPLY         CIPS 316L SS. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE SUPPLY         CIPS 316L SS. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE SUPPLY         CIPS 316L SS. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE SUPPLY         CIPS 316L SS. TUBING 316L SS. TUBING M.F.         PPP1         SF0           DULYED CAUSTIC (60%)<				COPPER (3" & UNDEF	R) / SCH40 C.S. / 304L S.S. SCH40S M.F.			
WATER PLANT SOFTENED         SW         COPPER TYPE L         CPL1         -           CMILLED GLYCOL SUPPLY         CGS         COPPER (2* UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEATING HOT GLYCOL SUPPLY         HGS         COPPER (2* UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEATING HOT GLYCOL RETURN         HGR         COPPER (2* UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL RETURN         HGR         COPPER (2* UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL RETURN         HR         COPPER (2* UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           PROCESS         PW         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE SUPPLY         CIPS 316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE SUPPLY         CIPS 316L S.S. TUBING 316L S.S. TUBING 316L S.S. TUBING M.F.         PPP1         SF0           DUTED CAUSTIC (50%)         OHO         POLYPROPYLENE TUBING 316L S.S. TUBING M.F.         PPP1         SF0           VENT RELIEF         RV         AS SPECIFIED BY P&ID         SF2         SF2         SF2     <								
CHILLED GLYCOL RETURN         CGR         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEATING HOT GLYCOL SUPPLY         HGS         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL SUPPLY         HRS         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL RETURN         HRR         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL RETURN         HRR         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH405 M.F.         CPL1 / CSP4         SSP4           PROCESS         PW         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE NEURN         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE NEURN         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE NEURN         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE NEURN         CIPR         316L S.S. TUBING 316L S.S. TUBING M.F.         PPP1         SF0           VENT RENERAL         V         100 LYPROPYLENE TUBIN						-		-
HEATING HOT GLYCOL SUPPLY         HGS         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL1 / CSP4         SSP4           HEATING HOT GLYCOL RETURN         HGR         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL SUPPLY         HRS         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL RETURN         HRR         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL1 / CSP4         SSP4           PROCESS         PW         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE RETURN         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE RETURN         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CONCENTRATED CAUSTIC (50%)         OHD         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         PPP1         SF0           VENT RELIEF         RV         AS SPECIFIED BY P&ID          SF2         SF2           VENT RELIEF         RV         AS SPECIFIED BY P&ID          SF2         SF2           VENT RELIEF         RV         DOLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         CSP4 <td></td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td>					,			
HEATING HOT GLYCOL RETURN         HGR         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL SUPPLY         HRR         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL1 / CSP4         SSP4           HEAT RECOVERY GLYCOL SUPPLY         HRR         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL1 / CSP4         SSP4           PROCESS         PW         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CLEAN-IN-PLACE SUPPLY         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CLEAN-IN-PLACE RETURN         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CLEAN-IN-PLACE RETURN         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CLEAN-IN-PLACE RETURN         OHP         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         PPP1         SF0           VENT RELIEF         RV         AS SPECIFED BY PBID         SF0         SF2         SF2           VENT RELIEF         RV         AS SPECIFED BY PBID         SF0         SF2         SF2           VENT RELIEF         RV         POLYPROPYLENE TUBING / 316L S.S. SCH40S M.F.         CSP4         SSP4           STEAM DLAN (PRESSURE - 100#)         \$10					,			
HEAT RECOVERY GLYCOL RETURN         HRR         COPPER (2* & UNDER) / SCH40 C.S. / 304L S.S. SCH40S M.F.         CPL / CSP4         SSP4           PROCESS					,			
PROCESS         PW         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CLEAN-IN-PLACE SUPPLY         CIPS         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CLEAN-IN-PLACE RETURN         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CONCENTRATED CAUSTIC (50%)         OHC         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         PPP1         SF0           DILUTED CAUSTIC (0-10%)         OHD         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         PPP1         SF0           VENT GENERAL         V         150 B C.S. / 304L S.S. TUBING M.F.         CSP8/SST8         SSP4           VENT GENERAL         V         150 B C.S. / 304L S.S. TUBING M.F.         CSP8/SST8         SSP4           VENT GENERAL         V         150 B C.S. / 304L S.S. TUBING M.F.         CSP4         SSP4           VENT GENERAL         V         150 B C.S. / 304L S.S. SCH400S M.F.         CSP4         SSP4           VENT GENERAL         V         150 D C CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.         CSP4         SSP4           CONDENSATE         DVC         CARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.         CSP8         SSP4           CONDENSATE, HIGH PRESSURE         HPC         CARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F. <td< td=""><td></td><td></td><td></td><td>```</td><td>, ,</td><td></td><td></td><td></td></td<>				```	, ,			
PROCESS         PW         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE SUPPLY         CIPS         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CLEAN-IN-PLACE RETURN         CIPS         316L S.S. TUBING 25 RA M.P.         SF2         SF2           CONCENTRATED CAUSTIC (50%)         OHC         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         PPP1         SF0           VENT RELIEF         RV         AS SPECIFIED BY P8ID         -         -         -           VENT GENERAL         V         100 LB C.S. / 304L S.S. TUBING M.F.         CSP8/SST8         SSP4           VENT GENERAL         V         100 LB C.S. / 304L S.S. TUBING M.F.         CSP8/SST8         SSP4           VENT GENERAL         V         100 LB C.S. / 304L S.S. TUBING M.F.         CSP8/SST8         SSP4           VENT GENERAL         V         100 LB C.S. / 304L S.S. TUBING M.F.         CSP8/SST8         SSP4           VENT GENERAL         V         100 LB C.S. / 304L S.S. CHEDULE 40 / 304L S.S. CH40S M.F.         CSP4         SSP4           CONDENSATE         S100         CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.         CSP4         SSP4           CONDENSATE, HICH PRESSURE         LPC         CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.	HEAT RECOVERY GLYCOL	RETURN	HRR	COPPER (2" & UNDEF	R) / SCH40 C.S. / 304L S.S. SCH40S M.F.	CPL1/C	SP4	SSP4
CLEAN-IN-PLACE SUPPLY         CIPS         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CLEAN-IN-PLACE RETURN         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CONCENTRATED CAUSTIC (50%)         OHC         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         PPP1         SF0           DILITED CAUSTIC (0-10%)         OHD         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         PPP1         SF0           VENT RELIEF         RV         AS SPECIFIED BY P&ID               VENT RELIEF         RV         AS SPECIFIED BY P&ID            SP1           VENT RECESS         PV         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         CSP8/SST8         SSP4           STEAM PLANT (PRESSURE - 100#)         S100         CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.         CSP4         SSP4           STEAM PLANT (PRESSURE - 100#)         S10         CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.         CSP8         SSP4           CONDENSATE, LOW PRESSURE         LPC         CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.         CSP8         SSP4           CONDENSATE (RESSURE - 15#)         S15         CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.         CSP8	PROCESS							
CLEAN-IN-PLACE RETURN         CIPR         316L S.S. TUBING 25 RA M.P.         SF2         SF2         SF2           CONCENTRATED CAUSTIC (50%)         OHC         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         PPP1         SF0           DILUTED CAUSTIC (010%)         OHD         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         PPP1         SF0           VENT RELIEF         RV         AS SPECIFIED BY P&ID								
CONCENTRATED CAUSTIC (50%)       OHC       POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.       PPP1       SF0         DILUTED CAUSTIC (0-10%)       OHD       POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.       PPP1       SF0         VENT RELIEF       RV       AS SPECIFIED BY P&ID								
VENT RELIEF       RV       AS SPECIFIED BY P&ID         VENT GENERAL       V       150 LB C.S. / 304L S.S. TUBING M.F.       CSP8/SST8       SSP4         VENT PROCESS       PV       POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.       SF2/SF0       SF2         STEAM/CONDENSATE       S100       CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.       CSP4       SSP4         STEAM PLANT (PRESSURE - 100#)       S100       CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.       CSP4       SSP4         CONDENSATE, LOW PRESSURE       LPC       CARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.       CSP8       SSP4         CONDENSATE, HIGH PRESSURE       LPC       CARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.       CSP8       SSP4         CONDENSATE (LGW PRESSURE - 25#)       CS35       316L S.S. TUBING 25 RA M.P. / MILL FINISH       SF0       SF2       SF2         STEAM CLEAN (PRESSURE - 25#)       CS35       316L S.S. TUBING 25 RA M.P. / MILL FINISH       SF0       SF0       SF0         PUMPED CONDENSATE       DWATER       BFW       CARBON STEEL SCHEDULE 80       CSP8       -       -         BOILER FLED WATER       BFW       CARBON STEEL SCHEDULE 80       CSP8       -       -       -         AIR       MAR       GASED ACA       CLEAN COPPER / 316L S.S. TU		(50%)						
VENT GENERAL         V         150 LB C.S. / 304L S.S. TUBING M.F.         CSP8/SST8         SSP4           VENT PROCESS         PV         POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.         SF2/SF0         SF2           STEAM/CONDENSATE         S100         CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.         CSP4         SSP4           STEAM PLANT (PRESSURE - 15#)         S15         CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.         CSP4         SSP4           CONDENSATE, HIGH PRESSURE         LPC         CARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.         CSP8         SSP4           CONDENSATE, HIGH PRESSURE         HPC         CARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.         CSP8         SSP4           CONDENSATE, HIGH PRESSURE         HPC         CARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.         CSP8         SSP4           CONDENSATE, HIGH PRESSURE         HPC         CARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.         CSP8         SSP4           CONDENSATE         CES35         316L S.S. TUBING 25 RA M.P. / MILL FINISH         SF0         SF0           PUMPED CONDENSATE         PC         CARBON STEEL SCHEDULE 80         CSP8         -           BOILER FEED WATER         BFW         CARBON STEEL SCHEDULE 80         CSP8         -           AIR         IAIR	. ,					PPP1		SF0
VENT PROCESS       PV       POLYPROPYLENE TUBING / 316L S.S. TUBING M.F.       SF2/SF0       SF2         STEAM/CONDENSATE						CSP8/SS	ST8	SSP4
STEAM PLANT (PRESSURE - 100#)S100CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.CSP4SSP4STEAM PLAN (PRESSURE - 15#)S15CARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP4SSP4CONDENSATE, LOW PRESSURELPCCARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP8SSP4CONDENSATE, HIGH PRESSUREHPCCARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP8SSP4CONDENSATE, HIGH PRESSUREHPCCARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP8SSP4CONDENSATE, CLEAN (PRESSURE - 25#)CS35316L S.S. TUBING 25 RA M.P.SF2SF2SF2CONDENSATE CLEAN STEAMCSC316L S.S. TUBING 25 RA M.P. / MILL FINISHSF0SF0SF0PUMPED CONDENSATEPCCARBON STEEL SCHEDULE 80CSP8BOILER FEED WATERBFWCARBON STEEL SCHEDULE 80CSP8BOILER CHEMICAL TREATMENTCHT304L S.S. TUBING M.F.SSP4AIRAIR COMPRESSEDCACLEAN COPPER / 316L S.S. TUBINGCPK2SF2GASESGASESGASESDRAIN COMESITCDDAS SPECIFIED BY P&IDDRAIN DOMESITCDDAS SPECIFIED BY P&IDDRAIN DOM			PV					
STEAM PLANT (PRESSURE - 100#)S100CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.CSP4SSP4STEAM PLAN (PRESSURE - 15#)S15CARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP4SSP4CONDENSATE, LOW PRESSURELPCCARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP8SSP4CONDENSATE, HIGH PRESSUREHPCCARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP8SSP4CONDENSATE, HIGH PRESSUREHPCCARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP8SSP4CONDENSATE, CLEAN (PRESSURE - 25#)CS35316L S.S. TUBING 25 RA M.P.SF2SF2SF2CONDENSATE CLEAN STEAMCSC316L S.S. TUBING 25 RA M.P. / MILL FINISHSF0SF0SF0PUMPED CONDENSATEPCCARBON STEEL SCHEDULE 80CSP8BOILER FEED WATERBFWCARBON STEEL SCHEDULE 80CSP8BOILER CHEMICAL TREATMENTCHT304L S.S. TUBING M.F.SSP4AIRAIR COMPRESSEDCACLEAN COPPER / 316L S.S. TUBINGCPK2SF2GASESGASESGASESDRAIN COMESITCDDAS SPECIFIED BY P&IDDRAIN DOMESITCDDAS SPECIFIED BY P&IDDRAIN DOM								
STEAM PLAN (PRESSURE - 15#)S15CARBON STEEL, SCHEDULE 40 / 304L S.S. SCH40S M.F.CSP4SSP4CONDENSATE, LOW PRESSURELPCCARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP8SSP4CONDENSATE, HIGH PRESSUREHPCCARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP8SSP4CONDENSATE, HIGH PRESSUREHPCCARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP8SSP4STEAM CLEAN (PRESSURE - 25#)CS35316L S.S. TUBING 25 RA M.P.SF2SF2CONDENSATE CLEAN STEAMCSC316L S.S. TUBING 25 RA M.P. / MILL FINISHSF0SF0PUMPED CONDENSATEPCCARBON STEEL SCHEDULE 80CSP8SSP4BOILER FEED WATERBFWCARBON STEEL SCHEDULE 80CSP8-BOILER CHEMICAL TREATMENTCHT304L S.S. TUBING M.F.SSP4-AIRAIRAIR COMPRESSEDCACLEAN COPPER / 316L S.S. TUBINGCPK2SF0AIR COMPRESSEDCACLEAN COPPER / 316L S.S. TUBINGCPK2SF2GASESGASESDRAIN CONTAINEDDDAS SPECIFIED BY P&IDDRAIN DOMESITCDDAS SPECIFIED BY P&IDDRAIN CONTAINEDSD316L S.S. TUBING, BW, MILL FINISHSF0SF0DRAIN NUTILITYUDAS SPECIFIED BY P&IDDRAIN PROCESSPD316L S.S. TUBING, BW, MILL		- 100#)		CARBON STEEL, SCH	EDULE 40 / 304L S.S. SCH40S M.F.	CSP4	L	SSP4
CONDENSATE, HIGH PRESSUREHPCCARBON STEEL, SCHEDULE 80 / 304L S.S. SCH40S M.F.CSP8SPS4STEAM CLEAN (PRESSURE - 25#)CS35316L S.S. TUBING 25 RA M.P.SF2SF2SF2CONDENSATE CLEAN STEAMCSC316L S.S. TUBING 25 RA M.P. / MILL FINISHSF0SF0PUMPED CONDENSATEPCCARBON STEEL SCHEDULE 80CSP8SSP4BOILER FEED WATERBFWCARBON STEEL SCHEDULE 80CSP8-BOILER CHEMICAL TREATMENTCHT304L S.S. TUBING M.F.SSP4-AIRAIR COMPRESSEDCACLEAN COPPER / 316L S.S. TUBINGCPK2SF0GASESGASESDRAIN DOMESITCDDAS SPECIFIED BY P&IDDRAIN CONTAINEDSD316L S.S. TUBING, BW, MILL FINISHSF0SF0DRAIN PROCESSPD316L S.S. TUBING, BW, MILL FINISHSF0SF0	STEAM PLAN (PRESSURE -	15#)	S15	CARBON STEEL, SCH	EDULE 40 / 304L S.S. SCH40S M.F.	CSP4	ļ	SSP4
STEAM CLEAN (PRESSURE - 25#)CS35316L S.S. TUBING 25 RA M.P.SF2SF2CONDENSATE CLEAN STEAMCSC316L S.S. TUBING 25 RA M.P. / MILL FINISHSF0SF0PUMPED CONDENSATEPCCARBON STEEL SCHEDULE 80CSP8SSP4BOILER FEED WATERBFWCARBON STEEL SCHEDULE 80CSP8-BOILER CHEMICAL TREATMENTCHT304L S.S. TUBING M.F.SSP4-AIRAIR INSTRUMENTIACLEAN COPPER / 316L S.S. TUBINGCPK2SF0AIR COMPRESSEDCACLEAN COPPER / 316L S.S. TUBINGCPK2SF2GASESGAS NATURAL GASNGBLACK STEEL SCHEDULE 40BST4-DRAINSDRAIN DOMESITCDDAS SPECIFIED BY P&IDDRAIN CONTAINEDSD316L S.S. TUBING, BW, MILL FINISHSF0SF0DRAIN PROCESSPD316L S.S. TUBING, BW, MILL FINISHSF0SF0				,				
CONDENSATE CLEAN STEAMCSC316L S.S. TUBING 25 RA M.P. / MILL FINISHSF0SF0PUMPED CONDENSATEPCCARBON STEEL SCHEDULE 80CSP8SSP4BOILER FEED WATERBFWCARBON STEEL SCHEDULE 80CSP8-BOILER CHEMICAL TREATMENTCHT304L S.S. TUBING M.F.SSP4-AIR </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
BOILER FEED WATER       BFW       CARBON STEEL SCHEDULE 80       CSP8       -         BOILER CHEMICAL TREATMENT       CHT       304L S.S. TUBING M.F.       SSP4       -         AIR	CONDENSATE CLEAN STEA	,	CSC	316L S.S. TUBING 25	ra m.p. / Mill Finish	SF0		SF0
BOILER CHEMICAL TREATMENT       CHT       304L S.S. TUBING M.F.       SSP4       -         AIR								SSP4
AIR INSTRUMENTIACLEAN COPPER / 316L S.S. TUBINGCPK2SF0AIR COMPRESSEDCACLEAN COPPER / 316L S.S. TUBINGCPK2SF2GASES </td <td></td> <td>IENT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>		IENT						-
AIR INSTRUMENTIACLEAN COPPER / 316L S.S. TUBINGCPK2SF0AIR COMPRESSEDCACLEAN COPPER / 316L S.S. TUBINGCPK2SF2GASES </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
AIR COMPRESSEDCACLEAN COPPER / 316L S.S. TUBINGCPK2SF2GASES			IA	CLEAN COPPER / 316	GL S.S. TUBING	СРКЯ	2	SF0
GAS NATURAL GAS       NG       BLACK STEEL SCHEDULE 40       BST4       -         DRAINS								
GAS NATURAL GAS       NG       BLACK STEEL SCHEDULE 40       BST4       -         DRAINS	GASES							
DRAIN DOMESITCDDAS SPECIFIED BY P&ID-DRAIN CONTAINEDSD316L S.S. TUBING, BW, MILL FINISHSF0SF0DRAIN UTILITYUDAS SPECIFIED BY P&IDDRAIN PROCESSPD316L S.S. TUBING, BW, MILL FINISHSF0SF0			NG	BLACK STEEL SCHED	DULE 40	BST4		-
DRAIN DOMESITCDDAS SPECIFIED BY P&ID-DRAIN CONTAINEDSD316L S.S. TUBING, BW, MILL FINISHSF0SF0DRAIN UTILITYUDAS SPECIFIED BY P&IDDRAIN PROCESSPD316L S.S. TUBING, BW, MILL FINISHSF0SF0								
DRAIN CONTAINEDSD316L S.S. TUBING, BW, MILL FINISHSF0SF0DRAIN UTILITYUDAS SPECIFIED BY P&IDDRAIN PROCESSPD316L S.S. TUBING, BW, MILL FINISHSF0SF0			חם	AS SPECIFIED BY P&	ID	-		-
DRAIN PROCESS PD 316L S.S. TUBING, BW, MILL FINISH SF0 SF0								SF0
			-			-		-
					v, MILL FINISH			SF0
			0/114					<u> </u>

'L LETTERS	<b>Sta</b>	nt	<b>.</b>	C
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	CONSTRUCTION Revision PACKAGE C - INTERIOR FIT-OUT	Ву	Appd	DD.MM.YYYY 08.19.2016
	PACKAGE B - SUPERSTRUCTURE & SHELL PACKAGE A - FOUNDATIONS & BELOW SLAB	 	Appd	08.05.2016 07.22.2016 DD.MM.YYYY
	Permit-Seal			
	Client/Project			
	IMMUCELL			
	Lot 11 - Second Tee Business Park 1039 Riverside Street Portland, Maine 04103			
	Title MECHANICAL LEAD SHEE	Т		
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