MECHANICAL REMOVAL LINE TYPES			
LINE TYPES & ABBREVIATIONS	DESCRIPTION		
2" RGCHS	REMOVE GLYCOL CHILLED WATER SUPPLY PIPING (SIZE AS INDICATED)		
2" RGCHR	REMOVE GLYCOL CHILLED WATER RETURN PIPING (SIZE AS INDICATED)		
24"x24" RS	REMOVE SUPPLY DUCTWORK (SIZE AS INDICATED)		
2" RMW	REMOVE MAKEUP WATER PIPING (SIZE AS INDICATED)		
2" RD	REMOVE DRAIN PIPING (SIZE AS INDICATED)		

MECHANICAL EXISTING LINE TYPES (TWO-LINE)		
LINE TYPES & ABBREVIATIONS DESCRIPTION		
2" EGCHS	EXISTING GLYCOL CHILLED WATER SUPPLY (SIZE AS INDICATED)	
2" EGCHR	EXISTING GLYCOL CHILLED WATER RETURN (SIZE AS INDICATED)	
24"x24" ES	EXISTING SUPPLY DUCTWORK (SIZE AS INDICATED)	
2" EMW	EXISTING MAKEUP WATER PIPING (SIZE AS INDICATED)	
2" ED	EXISTING DRAIN PIPING (SIZE AS INDICATED)	

MECHANICAL EXISTING LINE TYPES			
LINE TYPES & ABBREVIATIONS	DESCRIPTION		
2" EGCHS	EXISTING GLYCOL CHILLED WATER SUPPLY PIPING (SIZE AS INDICATED)		
2" EGCHR	EXISTING GLYCOL CHILLED WATER RETURN PIPING (SIZE AS INDICATED)		
24"x24" ES	EXISTING SUPPLY DUCTWORK (SIZE AS INDICATED)		
2" EMW	EXISTING MAKEUP WATER PIPING (SIZE AS INDICATED)		
2" ED	EXISTING DRAIN PIPING (SIZE AS INDICATED)		

MECHANICAL LINE TYPES (TWO-LINE)		
LINE TYPES & ABBREVIATIONS	DESCRIPTION	
2" GCHS	GLYCOL CHILLED WATER SUPPLY (SIZE AS INDICATED)	
2" GCHR	GLYCOL CHILLED WATER RETURN (SIZE AS INDICATED)	
24"x24" S	SUPPLY DUCTWORK (SIZE AS INDICATED)	
2" MW	MAKEUP WATER PIPING (SIZE AS INDICATED)	
2" D	DRAIN PIPING (SIZE AS INDICATED)	

MECHANICAL LINE TYPES		
LINE TYPES & ABBREVIATIONS	DESCRIPTION	
2" GCHS	GLYCOL CHILLED WATER SUPPLY PIPING (SIZE AS INDICATED)	
2" GCHR	GLYCOL CHILLED WATER RETURN PIPING (SIZE AS INDICATED)	
24"x24" S	SUPPLY DUCTWORK (SIZE AS INDICATED)	
2" MW	MAKEUP WATER PIPING (SIZE AS INDICATED)	
2" D	DRAIN PIPING (SIZE AS INDICATED)	

MECHANICAL SYMBOLS LEGEND			
SYMBOL	DESCRIPTION ERAL		
<u> </u>	LINLIVAL		
•	CONNECT NEW WORK TO EXISTING		
	POINT OF DISCONNECT		
DU	<u>CTWORK</u>		
XX-XX DIFFUSER NUMBER  ####  CFM	EXISTING REGISTER, GRILLE, DIFFUSEF (RGD), RGD TAGS WITH A "X" SUFFIX REPRESENTS EXISTING RGD'S ("EG-X")		
WxH	EXISTING DUCTWORK		
WxH	DEMO/PROPOSED DUCTWORK		
	SUPPLY DUCT UP		
	SUPPLY DUCT DOWN		
EVD EVD	EXISTING VOLUME DAMPER		
VD VD	VOLUME DAMPER		
<b>_</b>	DROP		
R	RISE		
4~	DIRECTION OF AIRFLOW		
	DEMO/PROPOSED SUPPLY DIFFUSER		
	EXISTING SUPPLY DIFFUSER		
T	THERMOSTAT/TEMPERATURE SENSOR		
CC	NTROLS		
*	CONTROL CONNECT		
<u>'</u>	CONTROL THERMOSTAT		
F	FREEZE STAT		
P	PRESSURE SENSOR / SWITCH		
CS	COMBINATION STARTER		
FS	FLOW SWITCH		
S/S	START/STOP		
VFD	VARIABLE FREQUENCY DRIVE		
DPS	DIFFERENTIAL PRESSURE SENSOR		

SINE BREAK   PIPE DOWN	<b>——</b>	DIRECTION OF FLUID FLOW
PIPE UP  PIPE TAKE-OFF FROM BOTTOM  BLIND FLANGE  P-TRAP  P-TRAP  P-TRAP  PIPE CONCENTRIC REDUCER  PIPE CAP  FLEXIBLE CONNECTOR  FLOOR DRAIN  WALL CLEANOUT  PIPE PLUG  PUMP  BALANCING VALVE  BUTTERFLY VALVE  CIRCUIT SETTER  PRESSURE RELIEF VALVE  GAS COCK  PLUG VALVE  CHECK VALVE  GATE VALVE  GLOBE VALVE  TRIPLE DUTY VALVE  ISOLATION JOINT  AUTOMATIC AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER BALL  STRAINER BALL  STRAINER GATE  RPZ  RPZ BALL VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION	<del></del>	LINE BREAK
PIPE TAKE-OFF FROM BOTTOM  BLIND FLANGE  P-TRAP  PIPE CONCENTRIC REDUCER  PIPE CAP  FLEXIBLE CONNECTOR  FLOOR DRAIN  WALL CLEANOUT  PIPE PLUG  PUMP  BALANCING VALVE  BUTTERFLY VALVE  CIRCUIT SETTER  PLUG VALVE  GAS COCK  PLUG VALVE  GATE VALVE  GATE VALVE  TRIPLE DUTY VALVE  STRAINER BALL  STRAINER BALL  STRAINER BALL  STRAINER GATE  RPZ  ANGLE GLOBE  ANGLE VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		PIPE DOWN
BLIND FLANGE	o	PIPE UP
P-TRAP  PIPE CONCENTRIC REDUCER  P PIPE ECCENTRIC REDUCER  P PIPE ECCENTRIC REDUCER  PIPE CAP  FLEXIBLE CONNECTOR  FLOOR DRAIN  WALL CLEANOUT  PIPE PLUG  PUMP  BALANCING VALVE  BUTTERFLY VALVE  CIRCUIT SETTER  PRESSURE RELIEF VALVE  GAS COCK  PLUG VALVE  GATE VALVE  GATE VALVE  TRIPLE DUTY VALVE  STRAINER  STRAINER BALL  STRAINER GATE  RPZ  RPZ  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION	<del></del> :	PIPE TAKE-OFF FROM BOTTOM
PPE CONCENTRIC REDUCER PPPE PIPE CAP PIPE CAP PIPE CAP FLEXIBLE CONNECTOR FLOOR DRAIN WALL CLEANOUT PIPE PLUG PUMP BALANCING VALVE BALL VALVE BUTTERFLY VALVE CIRCUIT SETTER PRESSURE RELIEF VALVE GAS COCK PLUG VALVE CHECK VALVE GATE VALVE SISOLATION JOINT AUTOMATIC AIR VENT PRESSURE GAUGE & VALVE STRAINER STRAINER GATE RPZ RPZ RPZ ANGLE GLOBE ANGLE VALVE ANGLE GLOBE ANGLE VALVE THERMOMETER PIPE UNION	<del></del>	BLIND FLANGE
P PIPE ECCENTRIC REDUCER PIPE CAP FLEXIBLE CONNECTOR FLOOR DRAIN WALL CLEANOUT PIPE PLUG PIPE PLUG PUMP BALANCING VALVE BALL VALVE CIRCUIT SETTER PRESSURE RELIEF VALVE GAS COCK PLUG VALVE CHECK VALVE CHECK VALVE STRAINER STRAINER STRAINER STRAINER GATE RPZ RPZ BALL VALVE ANGLE GLOBE ANGLE VALVE		P-TRAP
PIPE CAP FLEXIBLE CONNECTOR FLOOR DRAIN WALL CLEANOUT PIPE PLUG PIPE PLUG PUMP BALANCING VALVE BALL VALVE CIRCUIT SETTER PRESSURE RELIEF VALVE GAS COCK PLUG VALVE CHECK VALVE GATE VALVE TIPLE DUTY VALVE TIPLE D	—————	PIPE CONCENTRIC REDUCER
FLEXIBLE CONNECTOR  FLOOR DRAIN  WALL CLEANOUT  PIPE PLUG  PUMP  BALANCING VALVE  BUTTERFLY VALVE  CIRCUIT SETTER  PRESSURE RELIEF VALVE  GAS COCK  PLUG VALVE  GATE VALVE  TRIPLE DUTY VALVE  ISOLATION JOINT  AUTOMATIC AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER  STRAINER BALL  STRAINER GATE  RPZ  RPZ BALL VALVE  ANGLE GLOBE  ANGLE GLOBE  ANGLE GLOBE  ANGLE VALVE  PIPE UNION	——P	PIPE ECCENTRIC REDUCER
FLOOR DRAIN  WALL CLEANOUT  PIPE PLUG  PUMP  BALANCING VALVE  BALL VALVE  BUTTERFLY VALVE  CIRCUIT SETTER  PRESSURE RELIEF VALVE  GAS COCK  PLUG VALVE  CHECK VALVE  GATE VALVE  TRIPLE DUTY VALVE  ISOLATION JOINT  AUTOMATIC AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER  STRAINER  STRAINER BALL  STRAINER BALL  STRAINER GATE  RPZ  RPZ BALL VALVE  ANGLE GLOBE  ANGLE GLOBE  THERMOMETER  PIPE UNION	<del></del>	PIPE CAP
## WALL CLEANOUT    PIPE PLUG   PUMP   BALANCING VALVE   BUTTERFLY VALVE   CIRCUIT SETTER   PRESSURE RELIEF VALVE   GAS COCK   PLUG VALVE   GATE VALVE   GATE VALVE   TRIPLE DUTY VALVE   ISOLATION JOINT   AUTOMATIC AIR VENT   WANUAL AIR VENT   PRESSURE GAUGE & VALVE   STRAINER   STRAINER GATE   STRAIN		FLEXIBLE CONNECTOR
PIPE PLUG PUMP BALANCING VALVE BALL VALVE BUTTERFLY VALVE CIRCUIT SETTER PRESSURE RELIEF VALVE GAS COCK PLUG VALVE CHECK VALVE GATE VALVE GATE VALVE TRIPLE DUTY VALVE ISOLATION JOINT AUTOMATIC AIR VENT PRESSURE GAUGE & VALVE STRAINER STRAINER STRAINER STRAINER STRAINER GATE RPZ RPZ RPZ BALL VALVE	<del></del>	FLOOR DRAIN
PUMP BALANCING VALVE BALL VALVE BUTTERFLY VALVE CIRCUIT SETTER PRESSURE RELIEF VALVE GAS COCK PLUG VALVE GATE VALVE GATE VALVE GATE VALVE TRIPLE DUTY VALVE SISOLATION JOINT AUTOMATIC AIR VENT PRESSURE GAUGE & VALVE STRAINER STRAINER STRAINER STRAINER STRAINER BALL STRAINER GATE RPZ RPZ RPZ ANGLE GLOBE ANGLE GLOBE ANGLE GLOBE ANGLE VALVE THERMOMETER PIPE UNION	<del></del>	WALL CLEANOUT
BALANCING VALVE BALL VALVE BUTTERFLY VALVE CIRCUIT SETTER PRESSURE RELIEF VALVE GAS COCK PLUG VALVE CHECK VALVE GATE VALVE GATE VALVE TRIPLE DUTY VALVE SOLATION JOINT AUTOMATIC AIR VENT MANUAL AIR VENT PRESSURE GAUGE & VALVE STRAINER STRAINER STRAINER BALL STRAINER GATE RPZ RPZ RPZ ANGLE GLOBE ANGLE GLOBE ANGLE VALVE THERMOMETER PIPE UNION	<u> </u>	PIPE PLUG
BALL VALVE BUTTERFLY VALVE CIRCUIT SETTER PRESSURE RELIEF VALVE GAS COCK PLUG VALVE CHECK VALVE GATE VALVE GATE VALVE GATE VALVE ISOLATION JOINT AUTOMATIC AIR VENT PRESSURE GAUGE & VALVE STRAINER STRAINER GATE RPZ RPZ BALL VALVE		PUMP
BUTTERFLY VALVE  CIRCUIT SETTER  PRESSURE RELIEF VALVE  GAS COCK  PLUG VALVE  CHECK VALVE  GATE VALVE  GATE VALVE  GATE VALVE  GLOBE VALVE  TRIPLE DUTY VALVE  ISOLATION JOINT  AUTOMATIC AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER  STRAINER BALL  STRAINER GATE  RPZ  RPZ BALL VALVE  ANGLE GLOBE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		BALANCING VALVE
CIRCUIT SETTER  PRESSURE RELIEF VALVE  GAS COCK  PLUG VALVE  CHECK VALVE  GATE VALVE  GATE VALVE  GLOBE VALVE  TRIPLE DUTY VALVE  ISOLATION JOINT  AUTOMATIC AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER  STRAINER  STRAINER GATE  RPZ  RPZ  RPZ BALL VALVE  3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		BALL VALVE
PRESSURE RELIEF VALVE  GAS COCK  PLUG VALVE  CHECK VALVE  GATE VALVE  GATE VALVE  GLOBE VALVE  TRIPLE DUTY VALVE  ISOLATION JOINT  AUTOMATIC AIR VENT  MANUAL AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER  STRAINER BALL  STRAINER GATE  RPZ  RPZ  RPZ  ANGLE GLOBE  ANGLE GLOBE  ANGLE GLOBE  THERMOMETER  PIPE UNION	<u> </u>	BUTTERFLY VALVE
GAS COCK  PLUG VALVE  CHECK VALVE  GATE VALVE  GATE VALVE  GLOBE VALVE  TRIPLE DUTY VALVE  ISOLATION JOINT  AUTOMATIC AIR VENT  MANUAL AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER  STRAINER BALL  STRAINER GATE  RPZ  RPZ  RPZ  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		CIRCUIT SETTER
PLUG VALVE CHECK VALVE GATE VALVE GATE VALVE GLOBE VALVE TRIPLE DUTY VALVE ISOLATION JOINT AUTOMATIC AIR VENT MANUAL AIR VENT PRESSURE GAUGE & VALVE STRAINER STRAINER STRAINER BALL STRAINER GATE RPZ RPZ RPZ AWAY CONTROL VALVE ANGLE GLOBE ANGLE GLOBE ANGLE GLOBE THERMOMETER PIPE UNION	<b>—</b> ₩	PRESSURE RELIEF VALVE
CHECK VALVE  GATE VALVE  GLOBE VALVE  TRIPLE DUTY VALVE  ISOLATION JOINT  AUTOMATIC AIR VENT  MANUAL AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER BALL  STRAINER GATE  RPZ  RPZ  RPZ BALL VALVE  2-WAY CONTROL VALVE  3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE GLOBE  THERMOMETER  PIPE UNION	<del></del>	GAS COCK
GATE VALVE GLOBE VALVE TRIPLE DUTY VALVE ISOLATION JOINT AUTOMATIC AIR VENT MANUAL AIR VENT PRESSURE GAUGE & VALVE STRAINER STRAINER STRAINER BALL STRAINER GATE RPZ RPZ BALL VALVE  2-WAY CONTROL VALVE ANGLE GLOBE ANGLE VALVE THERMOMETER PIPE UNION	<del></del>	PLUG VALVE
GLOBE VALVE TRIPLE DUTY VALVE ISOLATION JOINT AUTOMATIC AIR VENT MANUAL AIR VENT PRESSURE GAUGE & VALVE STRAINER STRAINER BALL STRAINER GATE RPZ RPZ RPZ BALL VALVE  2-WAY CONTROL VALVE 3-WAY CONTROL VALVE ANGLE GLOBE ANGLE VALVE THERMOMETER PIPE UNION	<b>\_</b>	CHECK VALVE
TRIPLE DUTY VALVE  ISOLATION JOINT  AUTOMATIC AIR VENT  MANUAL AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER BALL  STRAINER GATE  RPZ  RPZ BALL VALVE  2-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE GLOBE  THERMOMETER  PIPE UNION	<b>──</b>	GATE VALVE
ISOLATION JOINT   AUTOMATIC AIR VENT		GLOBE VALVE
AUTOMATIC AIR VENT  MANUAL AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER BALL  STRAINER GATE  RPZ  RPZ BALL VALVE  2-WAY CONTROL VALVE  3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION	<b>X</b>	TRIPLE DUTY VALVE
MANUAL AIR VENT  PRESSURE GAUGE & VALVE  STRAINER  STRAINER BALL  STRAINER GATE  RPZ  RPZ  RPZ BALL VALVE  2-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		ISOLATION JOINT
PRESSURE GAUGE & VALVE  STRAINER  STRAINER BALL  STRAINER GATE  RPZ  RPZ BALL VALVE  2-WAY CONTROL VALVE  3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION	<b>▼</b>	AUTOMATIC AIR VENT
STRAINER BALL  STRAINER GATE  RPZ  RPZ  RPZ BALL VALVE  2-WAY CONTROL VALVE  3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		MANUAL AIR VENT
STRAINER BALL  STRAINER GATE  RPZ  RPZ BALL VALVE  2-WAY CONTROL VALVE  3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION	<u> </u>	PRESSURE GAUGE & VALVE
STRAINER GATE  RPZ  RPZ BALL VALVE  2-WAY CONTROL VALVE  3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION	<del></del>	STRAINER
RPZ RPZ BALL VALVE  2-WAY CONTROL VALVE  3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		STRAINER BALL
RPZ BALL VALVE  2-WAY CONTROL VALVE  3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		STRAINER GATE
3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		RPZ BALL VALVE
3-WAY CONTROL VALVE  ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		2-WAY CONTROL VALVE
ANGLE GLOBE  ANGLE VALVE  THERMOMETER  PIPE UNION		
ANGLE VALVE  THERMOMETER  PIPE UNION		
THERMOMETER  ——————————————————————————————————		ANGLE VALVE
	<b>_</b>	THERMOMETER
SUCTION DIFFUSER		PIPE UNION
	SD	SUCTION DIFFUSER

## **EQUIPI**

 PROVIDE HE EQUIPMENT OTHER EQU HEAVY DUT EQUAL) TO GRADE/PAV BY LIFTING/ BEING RIGG OR UNDERG CONTRACTO

## GENEF

- 1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO INITIATING WORK FOR THIS PROJECT. CONTRACT DOCUMENTS HAVE BEEN DEVELOPED FROM EXISTING DRAWINGS AND FIELD INVESTIGATION. NOTIFY THE DIRECTOR'S REPRESENTATIVE OF INCONSISTENCIES IDENTIFIED BETWEEN THE CONTRACT DOCUMENTS AND FIELD CONDITIONS THAT IMPACT THE ABILITY TO PERFORM THE WORK INDICATED ON
- THE CONTRACT DOCUMENTS. 2. PERFORM CUTTING AND PATCHING REQUIRED FOR THE WORK, UNLESS OTHERWISE NOTED. PATCHING SHALL MATCH SURROUNDING EXISTING SURFACES IN KIND. PROVIDE FIRE STOPING FOR PENETRATIONS THROUGH INTERIOR WALLS.
- 3. COORDINATE UTILITY SHUT DOWNS WITH DIRECTOR'S REPRESENTATIVE.
- 4. PRIOR TO STARTING CONTRACT WORK, VERIFY EXISTING CONDITIONS AT JOB SITE THAT EFFECT CONTRACT WORK. THE CONTRACTOR IS FULLY RESPONSIBLE TO REPAIR AT OWN EXPENSE BUILDING SYSTEM COMPONENTS, DAMAGED DURING CONTRACT WORK AT NO COST TO STATE.
- 5. PRIOR TO DRILLING THE CONCRETE FLOOR SLAB AND THE WALL, AS REQUIRED TO INSTALL CONTROLS WIRING/CONDUIT AND ANY OTHER UTILITIES PENETRATING FLOORS/WALLS, LOCATE AND MARK EXISTING IN-CONCRETE SLAB ELECTRICAL CONDUIT AND STEEL RE-BARS USING ELECTRONIC DEVICE SUCH AS SCANNER. THE CONTRACTOR IS FULLY RESPONSIBLE TO REPAIR AT OWN EXPENSE ELECTRICAL CIRCUIT (CONDUIT AND WIRES) DAMAGED DURING THE CONTRACT WORK AT NO COST TO STATE.

MECHANICAL S	YMBOLS LEGEND	MECH	HANICAL ABBREVIATIONS
	PING ACCESSORIES	#	NUMBER
<b>—</b>	DIRECTION OF FLUID FLOW	AD	ACCESS DOOR
<del></del>	LINE BREAK	AFF	ABOVE FINISHED FLOOR
——————————————————————————————————————	PIPE DOWN	ATC	AUTOMATIC TEMPERATURE CONTROL
——о	PIPE UP		
<del></del>	PIPE TAKE-OFF FROM BOTTOM	BTU	BRITISH THERMAL UNIT
——I	BLIND FLANGE		
	P-TRAP	CAP	CAPACITY
<del></del>	PIPE CONCENTRIC REDUCER	CFM	CUBIC FEET PER MINUTE
<del></del>	PIPE ECCENTRIC REDUCER	CLG	CEILING
	PIPE CAP		
	FLEXIBLE CONNECTOR	DDC	DIRECT DIGITAL CONTROL
	FLOOR DRAIN	DIA	DIAMETER
<del></del>	WALL CLEANOUT	DN	DOWN
<u> </u>	PIPE PLUG	DPS	DIFFERENTIAL PRESSURE SENSOR
	PUMP	DWG	DRAWING
<b>─</b>	BALANCING VALVE	E	EXISTING
———	BALL VALVE	EA	EXHAUST AIR
	BUTTERFLY VALVE	EAT	ENTERING AIR TEMPERATURE
	CIRCUIT SETTER	EDB	ENTERING DRY BULB TEMPERATURE
		EER	ENERGY EFFICIENCY RATIO
<u> </u>	PRESSURE RELIEF VALVE	ELEV	ELEVATION
<del></del>	GAS COCK	ESP	EXTERNAL STATIC PRESSURE
<del></del>	PLUG VALVE	EWB	ENTERING WET BULB TEMPERATURE
	CHECK VALVE	EWT	ENTERING WATER TEMPERATURE
<u></u>	GATE VALVE	EXIST.	EXISTING
<b>X</b>	GLOBE VALVE		
<del>``</del>	TRIPLE DUTY VALVE	FD	FIRE DAMPER
<del></del>	ISOLATION JOINT	FL	FLOOR
	AUTOMATIC AIR VENT	FS	FLOW SWITCH
	MANUAL AIR VENT	FT	FEET OR FOOT
φ	PRESSURE GAUGE & VALVE		
<del></del>	STRAINER	GA	GAUGE OR GAGE
	STRAINER BALL	GAL	GALLON
·		GPM	GALLONS PER MINUTE
DD7	STRAINER GATE	GRS	GALVANIZED RIGID STEEL
RPZ	RPZ BALL VALVE		
	2,444,221,772,444,77	HD	HEAD
	2-WAY CONTROL VALVE	HDG	HOT DIPPED GALVANIZED
<del></del>	3-WAY CONTROL VALVE	HP	HORSEPOWER
<del></del> □	ANGLE GLOBE	IDI V	INTEGRATED PART LOAD VALUES
<del>— Д</del>	ANGLE VALVE	IPLV	INTEGRATED PART LOAD VALUES
	THERMOMETER	LAT	LEAVING AIR TEMPERATURE
<u></u>	-	LDB	LEAVING DRY BULB TEMPERATURE
<del></del>	PIPE UNION	LF	LINEAR FEET OR FOOT
SD	SUCTION DIFFUSER	LWB	LEAVING WET BULB TEMPERATURE
7		LWT	LEAVING WATER TEMPERATURE
		MAX	MAXIMUM
		MBH	THOUSAND BTU PER HOUR
		MCA	MINIMUM CIRCUIT AMPS
	NO NOTES	MFR	MANUFACTURER
PMENT LIFT	NG NOTES	MIN	MINIMUM
		MOP / MOCP	MAXIMUM OVER CIRCUIT PROTECTION
	S BELOW THE ENTIRETY OF LIFTING/RIGGING	MW	MAKE-UP WATER
QUIPMENT, ON THE GRADE/PAV	KS, THE EQUIPMENT BEING RIGGED, AND EMENT/GROUND TO SPREAD OUT THE LOAD.		
	BE MINIMUM 1/2" THICK STEEL PLATES (OR GROUND UTILITIES. THE EXISTING	NA	NOT APPLICABLE
AVEMENT/GROUND AND UNDER	GROUND UTILITIES SHALL NOT BE DAMAGED	NC	NORMALLY CLOSED
	LES INCLUDING TRUCKS, THE EQUIPMENT DAMAGE TO GRADE/PAVEMENT/GROUND AND	NIC	NOT IN CONTRACT
RGROUND UTILITIES SHALL BE	RESTORED TO PRIOR CONDITION BY THE	NO	NORMALLY OPEN
CTOR AT NO ADDITIONAL COST	TO THE STATE.	NPLV	NON-STANDARD PART LOAD VALUES
		<b>= v</b>	
		OA	OUTSIDE AIR
		OC	ON CENTER
ERAL NOTES			
		PD	PRESSURE DROP

PD PRESSURE DROP

RA RETURN AIR

SA SUPPLY AIR

RH RELATIVE HUMIDITY

SP STATIC PRESSURE

T&B TOP AND BOTTOM

TDV TRIPLE DUTY VALVE

UNO UNLESS NOTED OTHERWISE

VFD VARIABLE FREQUENCY DRIVE

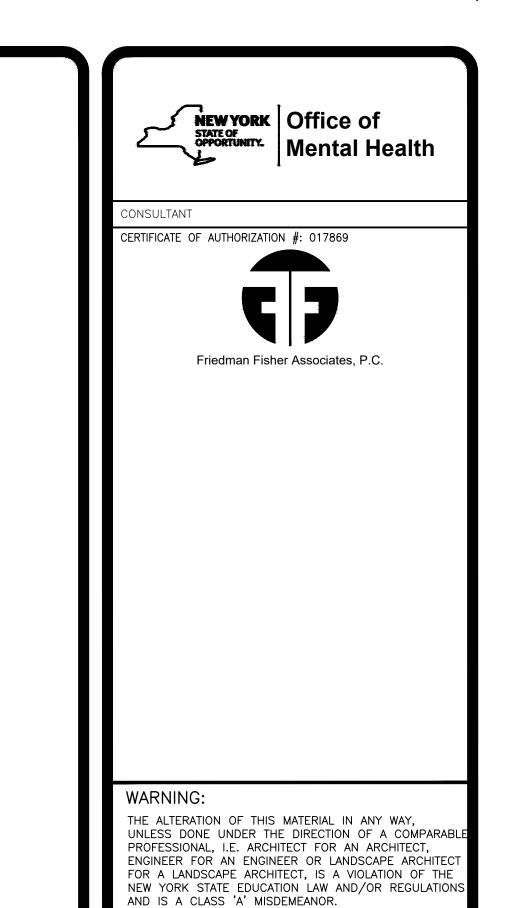
VAV VARIABLE AIR VOLUME

VIF VERIFY IN FIELD

TYP TYPICAL

P/T PRESSURE / TEMPERATURE

SF SQUARE FEET OR SQUARE FOOT



REPLACE BUILDING CHILLERS, BUILDING 144 COOK CHILL PRODUCTION CENTER 145 OLD ORANGEBURG ROAD ORANGEBURG, NY CLIENT: OFFICE OF

MENTAL HEALTH

REGISTRATION EXPIRES:

		~	
	12/6/2023	BID DOCUMENTS	
MARK	DATE	DESCRIPTION	
PROJECT NUMBER:	47430	) - H	
DESIGNED BY:	CHS		

DRAWN BY: CHS FIELD CHECK: APPROVED:

> SYMBOLS LEGEND & ABBREVIATIONS

DRAWING NUMBER:

SHEET TITLE: