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## GENERAL NOTES

- GENERAL CONDITIONS**
1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE. DISCREPANCIES SHALL IMMEDIATELY BE REPORTED TO THE ARCHITECT.
  2. ALL MATERIALS AND WORKMANSHIP SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL STANDARDS AND TO THE APPLICABLE PROVISIONS OF THE GOVERNING BUILDING CODE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONDITIONS OF ALL WORK AND MATERIALS, INCLUDING THOSE FURNISHED BY SUBCONTRACTORS.
  3. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED PRODUCT. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
  4. THESE DRAWINGS SHOW ONLY REPRESENTATIVE AND TYPICAL DETAILS TO ASSIST THE CONTRACTOR. THE DRAWINGS DO NOT ILLUSTRATE EVERY CONDITION. ALL ATTACHMENTS, CONNECTIONS, FASTENINGS, ETC., SHALL BE PROPERLY SECURED IN CONFORMANCE WITH THE BEST PRACTICE, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING THEM.
  5. DETAILS SHOWN ON DRAWINGS APPLY AT ALL LIKE CONDITIONS.
  6. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATED HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.
  7. ANY CLARIFICATION TO THE DRAWINGS SHALL BE SUFFICIENTLY GIVEN AND IN WRITING BEFORE IT SHALL BE ADDRESSED BY THE ARCHITECT. ANY CHANGE THAT WILL EFFECT TIMING OR COST SHALL HAVE APPROVAL IN WRITING PRIOR TO WORK BEING DONE.
  8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN INTERNET, TELEPHONE, TOILET, WATER AND ELECTRICITY FOR ALL PROJECT FUNCTIONS.
  9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TAPS, EXTENSIONS, VALVES OR OTHER DEVICES NECESSARY TO RUN POWER TOOLS AND EQUIPMENT. SUCH MODIFICATIONS TO EXISTING UTILITIES MUST BE REMOVED AT COMPLETION OF THE PROJECT, LEAVING ALL UTILITIES IN "LIKE NEW" CONDITION.
  10. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ADEQUATE SAFETY BARRICADES AND CLEAR ACCESS IN AND OUT OF THE WORK SITE SO AS TO FACILITATE DAILY TRAFFIC MOVEMENT, DELIVERIES AND SAFETY.
  11. THE CONTRACTOR SHALL LIMIT ACCESS TO THE PROJECT SITE TO AUTHORIZED PERSONS AND EQUIPMENT ONLY.
  12. EXCEPT WHERE OTHERWISE SPECIFIED, THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION AGAINST WEATHER TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FROM INJURY OR DAMAGES. AT THE END OF THE DAYS WORK, ALL NEW WORK LIKELY TO BE DAMAGED SHALL BE COVERED OR OTHERWISE PROTECTED AS REQUIRED.
  13. SUBSTITUTIONS WILL BE CONSIDERED ONLY WHERE THE TERM "APPROVED EQUAL" IS USED. APPROVAL IS AT THE SOLE DISCRETION OF THE ARCHITECT.
  14. ALL ITEMS TO BE INSTALLED BY G.C. SHALL REQUIRE UNLOADING AND ASSEMBLY IF NECESSARY.
  15. GENERAL CONTRACTOR IS RESPONSIBLE FOR UNLOADING, ACCEPTING AND CHECKING EQUIPMENT FOR ALL OWNER-SUPPLIED ITEMS.
  16. GENERAL CONTRACTOR IS RESPONSIBLE FOR DAMAGES AND/OR FREIGHT CLAIMS FOR ALL SHIPMENTS TO THE PROJECT SITE.
  17. ALL NEW ITEMS SHALL FULLY COMPLY WITH ADA ACCESSIBILITY - GUIDELINES SECTION 4.1.3 ACCESSIBLE BUILDINGS: NEW CONSTRUCTION. GENERAL CONTRACTOR SHALL SECURE FINAL ACCESSIBILITY SITE INSPECTION APPROVAL PRIOR TO DEMOBILIZATION.
  18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE CONTRACT DOCUMENTS.
  19. THE OWNER SHALL BE NOTIFIED OF ANY UNFORSEEN CONDITIONS WHICH MAY AFFECT PROGRESS OR COST OF WORK PERFORMED.
  20. FIRE EXTINGUISHERS SHALL BE LOCATED PER DIRECTION OF FIRE DEPARTMENT. PROVIDE A MINIMUM OF 2. MAXIMUM TRAVEL DISTANCE TO A FIRE EXTINGUISHER: 75'. FIRE EXTINGUISHERS SHALL BE PROVIDED, INSTALLED AND CERTIFIED BY THE GENERAL CONTRACTOR.
  21. IF ANY HOT WORK IS DONE DURING THE CONSTRUCTION WORK A FIRE WATCH MUST BE CONDUCTED WITH A FIRE EXTINGUISHER NEAR THE HOT WORK SITE. ADJACENT AREAS SHOULD BE PROTECTED THRU THE USE OF A FIRE PROOF BLANKET AROUND THE AREA OF WELDING/CUTTING.
  22. ADDRESS IDENTIFICATION: ALL BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS NUMBERS OR LETTERS PER IBC 501.2. EACH CHARACTER SHALL BE A MINIMUM 8 INCHES HIGH AND A MINIMUM OF 0.5 INCH WIDE, INSTALLED ON A CONTRASTING BACKGROUND AND BE PLAINLY VISIBLE FROM THE RIGHT-OF-WAY.
- FIREBLOCKING AND DRAFTSTOPPING**
1. ALL FIRE BLOCKING AND DRAFT STOPPING SHALL CONFORM TO THE BUILDING CODE.
  2. FIRE BLOCKS SHALL BE PROVIDED IN ACCORDANCE WITH THE BUILDING CODE AT THE FOLLOWING LOCATIONS:
    - a. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS, AT 10-FOOT INTERVALS ALONG THE LENGTH OF THE WALL.
    - b. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS THOSE THAT OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
    - c. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ONE AND IN LINE WITH THE RUN OF STAIRS IF THE WALLS UNDER THE STAIRS ARE UNFINISHED.
    - d. IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS THAT AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.

## CODE SUMMARY

**BUILDING CODES:**  
FLORIDA BUILDING CODE 6TH EDITION (2017)  
FLORIDA BUILDING CODE ACCESSIBILITY 6TH EDITION (2017)  
NATIONAL ELECTRICAL CODE (2014)  
MECHANICAL CODE (2017)  
FUEL GAS CODE (2017)  
FLORIDA ENERGY CODE (2017)  
PLUMBING CODE (2017)  
FLORIDA FIRE PREVENTION CODE 6TH EDITION (2017)  
NFPA 101 LIFE SAFETY CODE (2015) w/ FLORIDA AMENDMENTS  
NFPA 1 UNIFORM FIRE CODE (2015) w/ FLORIDA AMENDMENTS  
FLORIDA STATUTES  
FLORIDA ADMINISTRATIVE CODE  
ORLANDO CITY CODE

**PROJECT SCOPE:**  
INTERIOR FINISH OUT OF A NEW ONE STORY SHELL BUILDING. THE PROPOSED USE IS A BUSINESS OCCUPANCY WHICH IS CONSISTENT WITH THE ZONING OF THE PROPERTY.

**PARCEL ID:** 302325900200020

**PROPERTY DESCRIPTION:** VISTA PALMS COMMERCIAL 69/37 LOT 2

**OCCUPANCY:** BUSINESS GROUP B

**CONSTRUCTION:** TYPE IIB - SPRINKLED

**TENANT AREA:** 3,574 GSF

**OCCUPANCY LOAD (PER FBC TABLE 1004.1.2):** 36

**MINIMUM EGRESS WIDTH (PER FBC SECTION 1005)**  
REQUIRED EGRESS WIDTH =  $36 \times 0.2' = 7.2'$   
PROVIDED EGRESS WIDTH = 68.0'

**MINIMUM EXITS REQUIRED (PER FBC SECTION 1006)**  
REQUIRED = 1  
PROVIDED = 2

**MAXIMUM TRAVEL DISTANCE (PER FBC TABLE 1017.2)**  
EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 250'

**FIRE ALARM:** NOT REQUIRED

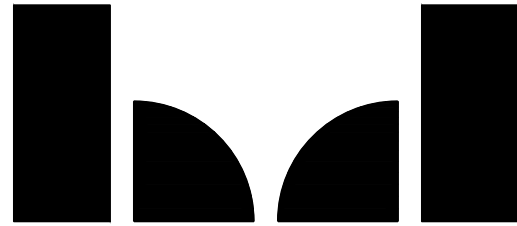
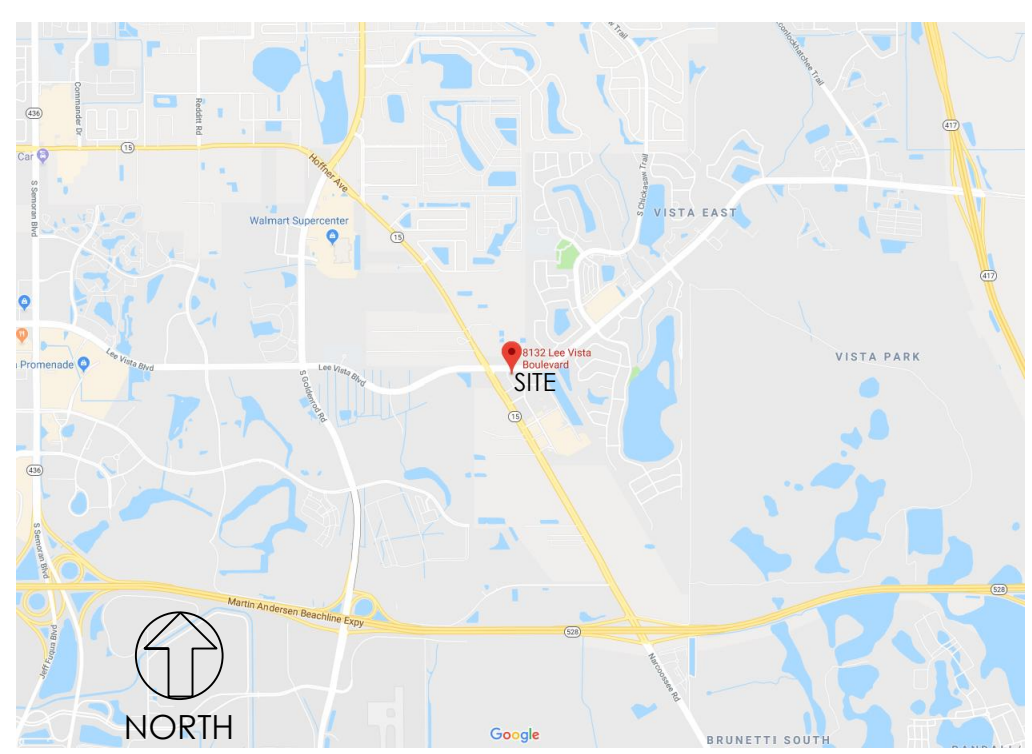
**SPRINKLER:** YES

**FIRE SPRINKLER PERMITTING NOTE:**  
THE FIRE SPRINKLER CONTRACTOR SHALL SUBMIT AND OBTAIN A FIRE SPRINKLER PERMIT PRIOR TO INSTALLATION OR MODIFICATION OF THE SYSTEM.

WALL, FLOOR AND CEILING FINISHES SHALL COMPLY WITH NFPA 101 SECTION 10.2

**ARCHITECT'S STATEMENT OF FACT**  
BY SIGNING AND SEALING THIS DRAWING, THE ARCHITECT ACKNOWLEDGES THAT TO THE BEST OF HIS/HER KNOWLEDGE, THESE DRAWINGS AND THE PROPOSED WORK COMPLY WITH THE MINIMUM APPLICABLE BUILDING CODES AND FIRE SAFETY REGULATIONS AS DETERMINED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

## PROJECT LOCATION



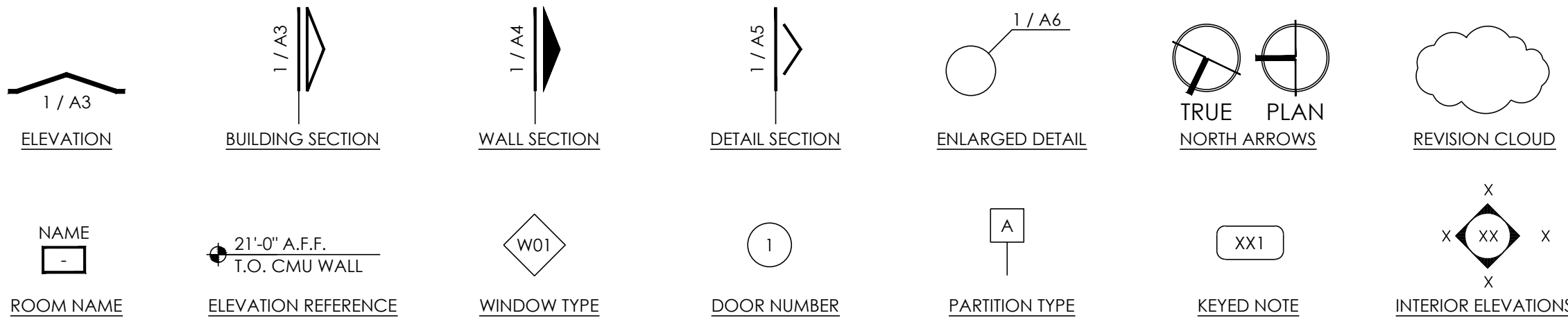
DICKERSON DESIGN BUILD

# TENANT IMPROVEMENTS

## CARESPOT URGENT CARE

### 8132 LEE VISTA BLVD. #102, ORLANDO, FLORIDA 32801

## GRAPHIC LEGEND



## ABBREVIATIONS

@	AT	E.	EAST	I.D.	INSIDE DIAMETER	R.	RADIUS
&	CENTERLINE	EA.	EACH	IE.	INVERT ELEVATION	RA.	RETURN AIR
	DIAMETER OR ROUND	E.B.	EXPANSION BOLT	I.G.	ISOLATED GROUND	RD.	ROUND, ROOF DRAIN
	AND	E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	IN.	INCH	REINF.	REINFORCEMENT
A.	AMPERE	E.J.	EXPANSION JOINT	INSUL.	INSULATION	REQ'D.	REQUIRED
A.B.	ANCHOR BOLT	E.L.	ELEVATION	INT.	INTERIOR AND INTERCOM	R.F.M.	RECESSED FLOOR MAT
ABV.	ABOVE	ELEC.	ELECTRIC	INV.	INVERT	RM.	ROOM
A/C	AIR CONDITIONING	E.P.	ELECTRICAL PANELBOARD	JAN.	JANITOR	R.O.	ROUGH OPENING
ACT	ACOUSTICAL TILE	EQ.	EQUAL	JT.	JOINT AND JOINT TRENCH	S.	SOUTH AND SLOPE
ADA	AMERICANS W/ DISABILITIES ACT	EST.	ESTIMATE			S.A.	SUPPLY AIR
A.F.F.	AUTHORITY HAVING JURISDICTION	E.Q.	EQUIPMENT	KIT.	KITCHEN	S.B.	SPLASH BLOCK
A.H.J.	AREA LIGHTING	E.Q.P.	EQUIPMENT	K.O.	KNOCKOUT	S.C.	SOLID CORE
AL.	AREA LIGHTING	E.T.S.	EXPOSED TO STRUCTURE			SCHED.	SCHEDULE
ALUM.	ALUMINUM	E.W.	EACH WAY			S.D.	SMOKE DETECTOR
ALT.	ALTERNATIVE	E.W.C.	ELECTRIC WATER COOLER	LAM.	LAMINATE	SEAL.	SEALANT
APPROX.	APPROXIMATE	EXH.	EXHAUST	LAV.	LAVATORY	SECT.	SECTION
ARCH.	ARCHITECT, ARCHITECTURAL	EXP.	EXPANSION	LBS.	POUNDS	S.F.	SQUARE FOOT/FEET
AUTO.	AUTOMATIC	EXT.	EXTERIOR	L.F.	LINEAR FEET	SH.	SHEET
AW.	ACOUSTICAL WALL			L.P.	LOW POINT	SHTG.	SHEETING
				LS	LANDSCAPING	SIM.	SIMILAR
BRD.	BOARD	F.A.	FIRE ALARM	MAS'Y	MASONRY	S.J.	SAW CUT JOINT
BLDG.	BUILDING	F.C.	FURRING CHANNEL	MAX.	MAXIMUM	S.O.	SLAB OPENING
BLK.	BLOCK	F.D.	FLOOR DRAIN	MDF	MEDIUM DENSITY FIBERBOARD	SPEC.	SPECIFICATIONS
BM.	BEAM	FDN.	FOUNDATION	MECH.	MECHANICAL	SQ.	SQUARE
B.O.	BOTTOM OF	F.E.C.	FIRE EXTINGUISHER & CABINET	MTL.	METAL	S.S.	STAINLESS STEEL
B.O.F.	BOTTOM OF FRAMING	F.F.E.	FINISH FLOOR ELEVATION	MFR.	MANUFACTURER	SS.	SANITARY SEWER
B.O.C.	BASE OF CURB	F.F.L.	FINISH FLOOR LINE	M.H.	MANHOLE	STD.	STANDARD
BOT.	BOTTOM	F.H.C.	FIRE HOSE CABINET	MIN.	MINIMUM	STL.	STEEL
BRG.	BEARING	FIN.	FINISH (ED)	MIR.	MIRROR	STRUC.	STRUCTURAL
BSMT.	BASEMENT	FLG.	FLASHING	MISC.	MISCELLANEOUS	SUSP.	SUSPENDED
BTWN.	BETWEEN	FLR.	FLOOR (ING)				
B.U.	BUILT-UP	F.O.	FACE OF			T.	TREAD, TRANSFORMER
B.U.R.	BUILT-UP ROOF	F.O.C.	FACE OF CURB/CONCRETE	M.O.	MOUNTED	T.&B	TOP & BOTTOM
		F.O.F.	FACE OF FINISH	M.T.D.	MATERIAL (S)	T&G	TONGUE & GROOVE
		F.O.M.	FACE OF MASONRY	MWL.	MILLWORK	TBL.	TABLE
		F.O.S.	FACE OF STUDS			TELE.	TELEPHONE
		FRP.	FIBER REINFORCED PANEL	N.	NORTH	T.F.C.I.	TENANT FURNISHED & CONTRACTOR INSTALLED
		FT.	FOOT OR FEET	N.I.C.	NOT IN CONTRACT		
		FTG.	FOOTING	NO. OR #	NUMBER	T.F.T.I.	TENANT FURNISHED & TENANT INSTALLED
		FURR.	FURRING	NOM.	NOMINAL	THK.	THICKNESS
				N.T.S.	NOT TO SCALE	THRES.	THRESHOLD
						T.O.	TOP OF
				O.C.	ON CENTER (S)	T.O.C.	TOP OF CURB/CONCRETE
				O.D.	OUTSIDE DIAMETER	T.O.P.	TOP OF PAVEMENT/PARAPET
				O.F.C.I.	OWNER FURNISHED & CONTRACTOR INSTALLED	T.S.	TUBE STEEL
				O.F.O.I.	OWNER FURNISHED & OWNER INSTALLED	TYP.	TYPICAL
						U.D.L.	UNIFORM DISTRIBUTED LOAD
				O/H	OVERHEAD	U.N.O.	UNLESS NOTED OTHERWISE
				OPG	OPENING	U.O.N.	UNLESS OTHERWISE NOTED
				O.P.H.	OPPOSITE HAND		
				OPP.	OPPOSITE		
				O.S.A.	OUTSIDE AIR		
				O.S.B.	ORIENTED STRAND BOARD	V.	VOLTS AND VENT
						VENT.	VENTILATION
				P/L	PROPERTY LINE	VERT.	VERTICAL
				P&B	PRE-ENGINEERED METAL BUILDING	VEST.	VESTIBULE
				PER.	PERIMETER	V.I.F.	VERIFY IN FIELD
				PL	PLATE	V.C.T.	VINYL COMPOSITION TILE
				PLAM.	PLASTIC LAMINATE	VTR.	VENT THRU ROOF
				PLUMB.	PLUMBING	V.W.C.	VINYL WALL COVERING
				PLYWD.	PLYWOOD		
				PNL.	PANEL	W.	WEST, WATTS AND WATER
				PAIR	PAIR	W/	WITH
				PREFIN.	PREFINISHED	W/O	WITHOUT
				P.S.F.	POUNDS PER SQUARE FOOT	WD.	WOOD
				P.S.I.	POUNDS PER SQUARE INCH	W.GL.	WIRE GLASS
				PVC.	POLYVINYL CHLORIDE	W.H.	WATER HEATER
				PVMT.	PAVEMENT	WP.	WATERPROOF
						W.P.	WORK POINT
						W.W.F.	WELDED WIRE FABRIC

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## CONTACT LIST

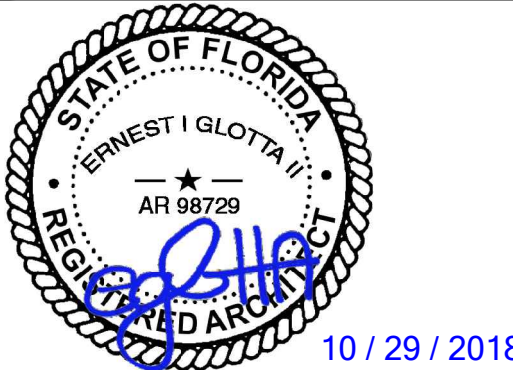
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## PRINT RECORD

DATE	PURPOSE
10 / 15 / 2018	OWNER REVIEW
10 / 29 / 2018	CONSTRUCTION ISSUE

No.	Date	Item
REVISIONS		

1821 - A 001 TITLE SHEET.DWG





ABBREVIATIONS AND SYMBOLS										ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.																																																				
MECHANICAL					PLUMBING					ELECTRICAL																																																				
PIPING DESIGNATIONS		EQUIPMENT DESIGNATIONS			PIPING SYMBOLS		PIPING DESIGNATIONS			POWER SYMBOLS		ABBREVIATIONS																																																		
<div><div>CHS</div><div>CHILLED WATER SUPPLY</div></div> <div><div>CHR</div><div>CHILLED WATER RETURN</div></div> <div><div>CWS</div><div>CONDENSER WATER SUPPLY</div></div> <div><div>CWR</div><div>CONDENSER WATER RETURN</div></div> <div><div>HWS</div><div>HEATING WATER SUPPLY</div></div> <div><div>HWR</div><div>HEATING WATER RETURN</div></div> <div><div>HPWS</div><div>HEAT PUMP WATER SUPPLY</div></div> <div><div>HPWR</div><div>HEAT PUMP WATER RETURN</div></div> <div><div>E</div><div>EXPANSION LINE</div></div> <div><div>CD</div><div>CONDENSATE DRAIN</div></div>		<div><div>AC</div><div>AIR COMPRESSOR</div></div> <div><div>AF</div><div>AIR FILTER</div></div> <div><div>AH/AHU</div><div>AIR HANDLING UNIT</div></div> <div><div>AS</div><div>AIR SEPARATOR</div></div> <div><div>BF</div><div>BOOSTER FAN</div></div> <div><div>CP</div><div>CIRCULATING PUMP</div></div> <div><div>CRAC</div><div>COMPUTER ROOM AIR CONDITIONER</div></div> <div><div>CT</div><div>COOLING TOWER</div></div> <div><div>CU</div><div>CONDENSING UNIT, AIR COOLED</div></div> <div><div>CVT</div><div>CONSTANT VOLUME FAN TERMINAL COOL/HEAT</div></div> <div><div>EDH</div><div>ELECTRIC DUCT HEATER</div></div> <div><div>EF</div><div>EXHAUST FAN</div></div> <div><div>EUH</div><div>ELECTRIC UNIT HEATER</div></div> <div><div>FCU</div><div>FAN COIL UNIT</div></div> <div><div>FD</div><div>FIRE DAMPER</div></div> <div><div>FPB</div><div>FAN POWERED BOX</div></div> <div><div>FSD</div><div>FIRE/SMOKE COMBINATION DAMPER</div></div> <div><div>GRV</div><div>GRAVITY ROOF VENTILATOR</div></div> <div><div>GUH</div><div>GAS-FIRED UNIT HEATER</div></div> <div><div>HC</div><div>HEATING COIL</div></div> <div><div>HP</div><div>HEAT PUMP, AIR SOURCE</div></div> <div><div>HUM</div><div>HUMIDIFIER</div></div> <div><div>HX</div><div>HEAT EXCHANGER</div></div> <div><div>IRH</div><div>INFRARED HEATER</div></div> <div><div>KEF</div><div>KITCHEN EXHAUST FAN</div></div> <div><div>KSF</div><div>KITCHEN SUPPLY FAN</div></div> <div><div>MAU</div><div>MAKE-UP AIR UNIT</div></div> <div><div>MD</div><div>MOTORIZED DAMPER</div></div> <div><div>RTU</div><div>ROOF TOP UNIT</div></div> <div><div>SA</div><div>SOUND ATTENUATOR</div></div> <div><div>SD</div><div>SMOKE DAMPER</div></div> <div><div>SF</div><div>SUPPLY FAN</div></div> <div><div>VAV</div><div>VARIABLE VOLUME TERMINAL - COOL ONLY</div></div> <div><div>VFD</div><div>VARIABLE FREQUENCY DRIVE</div></div> <div><div>VRF</div><div>VARIABLE REFRIGERANT FLOW</div></div> <div><div>VSD</div><div>VARIABLE SPEED DRIVE</div></div> <div><div>VVT</div><div>VARIABLE VOLUME &amp; TEMPERATURE</div></div> <div><div>WH</div><div>WALL HEATER</div></div> <div><div>WHP</div><div>HEAT PUMP, WATER SOURCE</div></div>			<div><div><div></div><div>PIPING UP</div></div><div><div></div><div>PIPING DOWN</div></div><div><div></div><div>CAPPED PIPE TERMINATION</div></div><div><div></div><div>CONNECTION BOTTOM OF MAIN</div></div><div><div></div><div>CONNECTION TOP OF MAIN</div></div><div><div></div><div>DIRECTION OF FLOW</div></div><div><div></div><div>SLOPE DOWN IN DIRECTION SHOWN</div></div><div><div></div><div>CONCENTRIC REDUCER</div></div><div><div></div><div>ECCENTRIC REDUCER</div></div><div><div></div><div>GATE VALVE</div></div><div><div></div><div>BALL VALVE</div></div><div><div></div><div>BUTTERFLY VALVE</div></div><div><div></div><div>GLOBE VALVE</div></div><div><div></div><div>TEMPERATURE &amp; PRESSURE RELIEF VALVE</div></div><div><div></div><div>GAS COCK</div></div><div><div></div><div>PRESSURE REGULATING VALVE</div></div><div><div></div><div>CHECK VALVE</div></div><div><div></div><div>HYDRAULIC SHOCK ARRESTOR</div></div><div><div></div><div>SOLENOID VALVE</div></div><div><div></div><div>ANGLE VALVE</div></div><div><div></div><div>GAUGE COCK</div></div><div><div></div><div>AIR VENT</div></div><div><div></div><div>PRESSURE GAUGE</div></div><div><div></div><div>STRAINER</div></div><div><div></div><div>THERMOMETER WELL</div></div><div><div></div><div>EXPANSION JOINT</div></div><div><div></div><div>UNION</div></div><div><div></div><div>HOSE BIBB OR HYDRANT</div></div><div><div></div><div>THERMOMETER</div></div><div><div></div><div>P-TRAP</div></div><div><div></div><div>FLOOR DRAIN/FLOOR SINK WITH P-TRAP</div></div><div><div></div><div>HUB DRAIN WITH P-TRAP</div></div><div><div></div><div>FLOOR CLEANOUT OR GRADE CLEANOUT</div></div><div><div></div><div>CLEANOUT OR WALL CLEANOUT</div></div><div><div></div><div>DOUBLE CHECK BACKFLOW PREVENTER</div></div><div><div></div><div>REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER</div></div><div><div></div><div>CONNECT TO EXISTING</div></div></div>		<div><div>EXISTING TO REMAIN</div></div> <div><div>EXISTING TO BE REMOVED/DEMOLISHED</div></div> <div><div>DOMESTIC COLD WATER</div></div> <div><div>DOMESTIC HOT WATER</div></div> <div><div>DOMESTIC HOT WATER RETURN</div></div> <div><div>F</div><div>FIRE PROTECTION</div></div> <div><div>G</div><div>NATURAL GAS</div></div> <div><div>W</div><div>WATER SERVICE</div></div> <div><div>A</div><div>COMPRESSED AIR</div></div> <div><div>V</div><div>VACUUM</div></div> <div><div>D</div><div>INDIRECT WASTE</div></div> <div><div>SS</div><div>SANITARY SEWER</div></div> <div><div></div><div>SANITARY VENT</div></div> <div><div>RD</div><div>PRIMARY ROOF DRAIN</div></div> <div><div>OD</div><div>OVERFLOW ROOF DRAIN</div></div> <div><div>SD</div><div>STORM DRAIN</div></div> <div><div>SSD</div><div>BELOW GRADE SUB-SOIL DRAIN</div></div> <div><div>AW</div><div>ACID WASTE</div></div> <div><div>AV</div><div>ACID VENT</div></div> <div><div>GW</div><div>GREASE WASTE</div></div> <div><div>TP</div><div>TRAP PRIMER SUPPLY</div></div>			<div><div>GENERAL PURPOSE RECEPTACLE XX=HEIGHT ABOVE FINISHED FLOOR</div></div> <div><div>FLOOR GENERAL PURPOSE RECEPTACLE</div></div> <div><div>CEILING GENERAL PURPOSE RECEPTACLE</div></div> <div><div>GFI RECEPTACLE</div></div> <div><div>1/2 SWITCHED RECEPTACLE</div></div> <div><div>QUADRAPLEX RECEPTACLE</div></div> <div><div>FLOOR QUADRAPLEX RECEPTACLE</div></div> <div><div>CEILING QUADRAPLEX RECEPTACLE</div></div> <div><div>USB/DUPLEX RECEPTACLE</div></div> <div><div>SPECIAL RECEPTACLE</div></div> <div><div>TELEVISION OUTLET</div></div> <div><div>TELEPHONE OUTLET</div></div> <div><div>FLOOR TELEPHONE OUTLET</div></div> <div><div>CEILING TELEPHONE OUTLET</div></div> <div><div>DATA OUTLET</div></div> <div><div>FLOOR DATA OUTLET</div></div> <div><div>CEILING DATA OUTLET</div></div> <div><div>TELE/DATA OUTLET</div></div> <div><div>FLOOR TELE/DATA OUTLET</div></div> <div><div>CEILING TELE/DATA OUTLET</div></div> <div><div>JUNCTION BOX - SIZE IN ACCORDANCE WITH NEC FOR SPECIFIC APPLICATION</div></div> <div><div>FLOOR JUNCTION BOX</div></div> <div><div>CEILING JUNCTION BOX</div></div> <div><div>COMBINATION MOTOR STARTER &amp; FUSED DISCONNECT</div></div> <div><div>NON-FUSED DISCONNECT SWITCH</div></div> <div><div>'WP' INDICATES WEATHER PROOF, MOTOR RATED</div></div> <div><div>FUSED DISCONNECT SWITCH (EX. 30/15/3 = 30A RATED DISC., 15A FUSES, (EY. 3 PHASE) 'WP' INDICATES WEATHER PROOF, MOTOR RATED</div></div> <div><div>CIRCUIT BREAKER IN NEMA ENCLOSURE</div></div> <div><div>MOTOR</div></div> <div><div>CIRCUIT HOME RUN</div></div> <div><div>CROSS MARKS INDICATE WIRES (NEUTRAL, HOT, COMMON GROUND, ISOLATED GROUND)</div></div> <div><div>PANELBOARD (240 VOLT AND BELOW)</div></div> <div><div>PANELBOARD (480 VOLT)</div></div> <div><div>TRANSFORMER</div></div> <div><div>EMERGENCY POWER OFF (EPO) BUTTON</div></div> <div><div>COPPER GROUND BAR ASSEMBLY</div></div> <div><div>KWH METER</div></div>		<div><div>AC</div><div>AIR COMPRESSOR</div></div> <div><div>CP</div><div>CIRCULATION PUMP</div></div> <div><div>ET</div><div>EXPANSION TANK</div></div> <div><div>EWC</div><div>ELECTRIC WATER COOLER</div></div> <div><div>FD</div><div>FLOOR DRAIN</div></div> <div><div>FP</div><div>FIRE PUMP</div></div> <div><div>FS</div><div>FLOOR SINK</div></div> <div><div>HB</div><div>HOSE BIBB</div></div> <div><div>HD</div><div>HUB DRAIN</div></div> <div><div>JP</div><div>JOCKEY PUMP</div></div> <div><div>L</div><div>LAVATORY</div></div> <div><div>MS</div><div>MOP SINK</div></div> <div><div>NFHW</div><div>NON FREEZE WALL HYDRANT</div></div> <div><div>PRV</div><div>PRESSURE REDUCING VALVE</div></div> <div><div>RPBP</div><div>REDUCED PRESSURE BACKFLOW PREVENTER</div></div> <div><div>RV</div><div>RELIEF VALVE</div></div> <div><div>S</div><div>SINK</div></div> <div><div>SA</div><div>SHOCK ARRESTOR</div></div> <div><div>SE</div><div>SEWAGE EJECTOR</div></div> <div><div>SH</div><div>SHOWER</div></div> <div><div>SP</div><div>SUMP PUMP</div></div> <div><div>TD</div><div>TRENCH DRAIN</div></div> <div><div>TM</div><div>THERMOSTATIC MIXING VALVE</div></div> <div><div>TP</div><div>TRAP PRIMER</div></div> <div><div>U</div><div>URINAL</div></div> <div><div>WC</div><div>WATER CLOSET</div></div> <div><div>WCB</div><div>WASHER CONNECTION BOX</div></div> <div><div>WH</div><div>WATER HEATER</div></div>			<div><div>NEW FAN POWERED BOX</div></div> <div><div>EXISTING FAN POWERED BOX</div></div> <div><div>DEMOLISHED FAN POWERED BOX</div></div> <div><div>RELOCATED FAN POWERED BOX</div></div> <div><div>NEW VAV</div></div> <div><div>EXISTING VAV</div></div> <div><div>DEMOLISHED VAV</div></div> <div><div>RELOCATED VAV</div></div> <div><div>NEW DUCTWORK</div></div> <div><div>EXISTING DUCTWORK</div></div> <div><div>DEMOLISHED DUCTWORK</div></div> <div><div>SUPPLY OR OUTSIDE AIR DUCT</div></div> <div><div>RETURN OR EXHAUST AIR DUCT</div></div> <div><div>DUCT TURNING UP</div></div> <div><div>DUCT TURNING DOWN</div></div> <div><div>CLEAR INSIDE DUCT DIMENSION, FIRST VALUE IS DUCT WIDTH</div></div> <div><div>DUCT TRANSITION</div></div> <div><div>DUCT TAP WITH MANUAL VOLUME DAMPER</div></div> <div><div>NEW SUPPLY AIR GRILLE</div></div> <div><div>NEW RETURN AIR GRILLE</div></div> <div><div>NEW EXHAUST AIR GRILLE</div></div> <div><div>EXISTING SUPPLY AIR GRILLE</div></div> <div><div>EXISTING RETURN AIR GRILLE</div></div> <div><div>EXISTING EXHAUST AIR GRILLE</div></div> <div><div>DEMOLISHED SUPPLY AIR GRILLE</div></div> <div><div>DEMOLISHED RETURN AIR GRILLE</div></div> <div><div>DEMOLISHED EXHAUST AIR GRILLE</div></div> <div><div>SIDEWALL OUTLET</div></div> <div><div>SIDEWALL INLET</div></div> <div><div>THERMOSTAT/SENSOR</div></div> <div><div>HUMIDISTAT</div></div> <div><div>DUCT SMOKE DETECTOR</div></div>			<div><div>MANUAL VOLUME DAMPER (VD)</div></div> <div><div>FIRE DAMPER (FD)</div></div> <div><div>SMOKE DAMPER (SD)</div></div> <div><div>FIRE/SMOKE COMBINATION DAMPER (FSD)</div></div> <div><div>AUTOMATIC DAMPER, OPPOSED BLADE</div></div> <div><div>AUTOMATIC DAMPER, PARALLEL BLADE</div></div> <div><div>BACK DRAFT DAMPER</div></div>			<div><div>FIRE DEPARTMENT VALVE WITH CABINET</div></div> <div><div>FLOW SWITCH</div></div> <div><div>ALARM VALVE</div></div> <div><div>DRY PIPE VALVE</div></div> <div><div>SIAMESE CONNECTION</div></div> <div><div>EXPOSED TYPE SIAMESE CONNECTION</div></div> <div><div>INSPECTORS TEST CONNECTION</div></div> <div><div>MOTOR GONG</div></div> <div><div>O.S.&amp;Y. 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GENERAL NOTES

MECHANICAL NOTES:

- IT IS THE INTENT AND MEANING OF THE CONSTRUCTION DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE A MECHANICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLY INCIDENTAL, OR CUSTOMARILY INCLUDED EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN.
- THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE REQUIREMENTS OF THE CONTRACT. UPON COMMENCEMENT OF CONSTRUCTION FOR THE WORK INCLUDED IN THIS CONTRACT, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH A STUDY OR EXAMINATION AND THAT HE IS FAMILIAR WITH AND ACCEPTS ALL CONDITIONS OF THE PREMISES.
- PROVIDE EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICES NECESSARY FOR OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATING HVAC OR PLUMBING SYSTEM AS SHOWN OR INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY ADJACENT WITH WHICH WORK COMES IN CONTACT OR OVER WHICH HE MAY TRANSPORT, HOIST OR MOVE MATERIALS, EQUIPMENT, DEBRIS, ETC. AND SHALL REPAIR SATISFACTORILY ALL DAMAGES CAUSED BY HIM DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE WITH NEW MATERIALS AND/OR EQUIPMENT FAILING TO GIVE SATISFACTORY SERVICE DURING THE WARRANTY PERIOD. THE CONTRACTOR SHALL COORDINATE AND NOTIFY THE BUILDING OWNER AND OPERATOR FOR APPROVAL AND SCHEDULING OF ANY BUILDING OR EXISTING TENANT SYSTEM INTERRUPTION.
- MATERIALS AND WORKMANSHIP SHALL COMPLY WITH CONTRACT DOCUMENTS, APPLICABLE CODES AND STANDARDS, AND, IN THE CASE OF DIFFERENCES BETWEEN APPLICABLE CODES AND STANDARDS AND THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT/ENGINEER AND THE OWNER IN WRITING OF SUCH DIFFERENCES. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, HE SHALL BEAR ALL COSTS ARISING IN CORRECTING SUCH DEFECTS. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REGULATIONS AND APPLICABLE REQUIREMENTS OF NATIONALLY ACCEPTED CODES AND STANDARDS.
- THE DRAWINGS WERE PREPARED FROM THE BEST INFORMATION AVAILABLE, BUT DO NOT ATTEMPT TO INDICATE THE LOCATION OF ALL EXISTING EQUIPMENT. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS SURROUNDING THE INSTALLATION OF HIS WORK PRIOR TO PROCEEDING WITH THE INSTALLATION. CHANGES REQUIRED TO THE DESIGN SHOWN ON THESE DRAWINGS DUE TO EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER/OWNER FOR REVIEW BY WAY OF SHOP DRAWINGS OR SKETCHES DETAILING THE EXISTING CONDITIONS AND THE PROPOSED CHANGE.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR SERVICE INTENDED, AS INTERPRETED BY THE ENGINEER. EXPERIENCED CRAFTSMEN SHALL MAKE THE INSTALLATION OF ALL EQUIPMENT IN A NEAT WORKMANSHIP LIKE MANNER. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, TOOLS, COST AND SERVICE NECESSARY TO COMPLETELY INSTALL ALL MECHANICAL WORK. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE AS SCHEDULED OR APPROVED EQUAL.
- COORDINATE THERMOSTAT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL THERMOSTAT ABOVE DIMMER SWITCH.
- PROPERLY SUPPORT ALL EQUIPMENT AND PIPING WITHIN THE BUILDING AND PROVIDE ADEQUATE PROVISIONS FOR SLOPE AND ANCHORAGE. CONTRACTOR SHALL USE HANGERS, RODS AND INSERTS APPROVED BY UNDERWRITERS LABORATORIES FOR THE SERVICE INTENDED, SECURELY SUPPORTED BY STRUCTURAL MEMBERS WHICH IN TURN ARE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE.
- PROVIDE VIBRATION ISOLATION FOR MOTOR DRIVEN MECHANICAL EQUIPMENT.
- ALL FANS SHALL CARRY THE CERTIFIED RATING SEAL AUTHORIZED BY AMCA.
- PROVIDE FLEXIBLE DUCTWORK CONNECTIONS AT EQUIPMENT.
- DUCTWORK SHALL BE CONSTRUCTED ACCORDING TO SMACNA STANDARDS. DUCT AND FIRE DAMPER SIZES SHOWN ARE AIRSTREAM DIMENSIONS. ALL LONGITUDINAL AND TRANSVERSE SEAMS AND DUCT CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED WITH TAPES OR MASTICS MEETING UL 181A OR UL181B, WELDS, OR GASKETS.
- INSULATE NEW SUPPLY AND RETURN DUCTWORK AND PLENUMS WITH EITHER EXTERNAL INSULATION TYPE IV DUCT WRAP OR INTERNAL DUCT LINER, 1.5 PCF MINIMUM DENSITY. (SIZES SHOWN ARE AIRSTREAM DIMENSIONS.) DUCTWORK AND PLENUMS WITHIN UNCONDITIONED SPACES SHALL HAVE MINIMUM R-6 INSULATION. EXTERIOR DUCTWORK SHALL HAVE MINIMUM R-8 INSULATION.
- DIFFUSERS, REGISTERS AND GRILLES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE AND SHALL BE PROVIDE WITH FRAMES COMPATIBLE WITH CEILING TYPE. DO NOT SPAN AIR DEVICES OVER PARTITIONS.
- PROVIDE AN AIR BALANCING DEVICE FOR EACH SUPPLY AIR OUTLET AND ZONE TERMINAL DEVICE. PROVIDE YOUNG REGULATORS WITH BOWDEN CABLE CONTROL FOR ALL DAMPERS ABOVE INACCESSIBLE CEILING. COORDINATE EXACT LOCATION OF ESCUTCHEONS IN CEILING WITH ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR TO VERIFY RETURN AIR PATH AND INCORPORATE RETURN AIR TRANSFER THROUGH WALLS AS NECESSARY. OPENING SIZED FOR A MAXIMUM OF 500 FPM UNLESS NOTED OTHERWISE.
- COORDINATE ALL WALLS TO DECK WITH EXISTING DUCTWORK AND EXISTING TERMINAL UNITS.
- BALANCING OF WATER AND AIR SYSTEMS SHALL BE PROVIDED UNDER THIS CONTRACT FOR ALL SYSTEMS WITHIN TENANT BORDERS AND ADJACENT AREAS THAT MAY BE AFFECTED BY BALANCING FOR THIS TENANT. BALANCING CONTRACTOR TO REVIEW DRAWINGS AND NOTIFY THE CONTRACTOR OF APPURTENANCES NEEDED FOR A PROPERLY BALANCED SYSTEM. TEST AND BALANCE CONTRACTOR TO BE T.A.B. CO.
- PROVIDE NEBB CERTIFIED AIR BALANCE REPORT.
- COLD AND HOT WATER PIPING SHALL BE TYPE L HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS. PROVIDE SOFT COPPER PIPING UNDER SLAB TO AVOID UNDERGROUND FITTINGS.
- INSULATE DOMESTIC HOT WATER AND RECIRCULATION LINES (1" THICK) AND DOMESTIC COLD WATER LINES (1/2" THICK) WITH OWENS CORNING FIBERGLASS 25 ASJ, JOHNS-MANVILLE AP OR APPROVED EQUAL. SEALED TO PREVENT SWEATING AND CONTINUOUS THROUGH WALLS, FLOORS, CEILINGS. ALL HOT WATER PIPING SHALL BE INSULATED PER THE ENERGY CODE. COLD WATER PIPING SHALL BE INSULATED IN EXTERIOR WALLS, CEILINGS OR IN SPACES EXPOSED TO OUTDOOR TEMPERATURES WITH 1" THICK FIBERGLASS INSULATION.
- SOIL, WASTE AND DRAIN PIPING, 2" AND LARGER, SHALL BE SERVICE WEIGHT CAST IRON. WASTE PIPING BELOW THE SLAB SHALL HAVE BELL AND SPIGOT CAST IRON MANUFACTURED TO ASTM A 74 WITH TY-SEAL GASKETS MANUFACTURED TO ASTM C 564. CAST IRON PIPING ABOVE THE SLAB SHALL BE "NO-HUB" PIPE AND FITTINGS MANUFACTURED TO CISPI 301. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL, DWV COPPER OR SERVICE WEIGHT CAST IRON. ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE AND BE LISTED WITH NSF INTERNATIONAL. LABORATORY CHEMICAL WASTE SYSTEMS SHALL BE SCHEDULE 40 CPVC MANUFACTURED TO ASTM F 2618. CHARLOTTE PIPE OR APPROVED EQUIVALENT. IF APPROVED BY LOCAL CODES, SOIL, WASTE, AND DRAIN PIPING, 2" AND LARGER, SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PIPING, ASTM AND NSF STAMPED AND APPROVED. FITTINGS SHALL BE PVC SCHEDULE 40 ASTM STAMPED AND APPROVED.
- HOT WATER CIRCULATING SYSTEMS OR HOT WATER HEAT TRACE SHALL HAVE TIMECLOCK CAPABLE CONTROL.
- PLUMBING FIXTURES AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED COMPLETE WITH TRIM AND ALL OTHER APPURTENANCES REQUIRED TO CONNECT TO ROUGH-IN PIPING AT FLOORS AND WALLS UNLESS OTHERWISE SPECIFIED.
- WATER HEATING EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS WILL HAVE HEAT TRAPS INSTALLED ON THE SUPPLY AND DISCHARGE PIPING.
- PVC PIPING LOCATED IN PLENUM RETURN MUST MEET ASTM E84 AND HAVE A FIRE SPREAD OF 25/50. ALL PIPING SHALL MEET ALL LOCAL CODE AND AMENDMENT REQUIREMENTS.
- EXISTING EQUIPMENT NOTES:  
A. CONTRACTOR SHALL INSPECT EXISTING PLUMBING AND HVAC EQUIPMENT PRIOR TO SUBMITTING HIS BID.  
B. CONTRACTOR SHALL INCLUDE IN HIS BID A THOROUGH START-UP SERVICING AND CLEANING OF ALL EXISTING EQUIPMENT. PLACE ALL EXISTING SYSTEMS/EQUIPMENT IN PROPER OPERATING ORDER.  
C. IF REPAIRS ARE NECESSARY TO PLACE EXISTING EQUIPMENT IN WORKING ORDER, PROVIDE OWNER WITH A DETAILED WRITTEN REPORT OF NECESSARY REPAIRS AND A COST PROPOSAL TO PERFORM THE WORK. ALL SUCH SERVICE REPORTS SHALL BE DELIVERED TO THE OWNER WITHIN TWO DAYS OF NOTICE TO PROCEED. OWNER RESERVES THE RIGHT TO HAVE ANY REQUIRED REPAIRS DONE BY OTHERS AND TO SEEK OTHER OPINIONS OR REQUIRED REPAIRS.
- PROVIDE INSTALLATION, OPERATION AND MAINTENANCE MANUALS TO THE OWNER.
- STANDARD NO-HUB COUPLINGS SHALL CONFORM TO CISPI 310 (MOST CURRENT EDITION) AND SHALL BE LISTED BY NSF INTERNATIONAL.
- HEAVY DUTY COUPLINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM 1540 AND FM 1680 CLASS I.
- COMPRESSION GASKETS FOR HUB & SPIGOT SHALL CONFORM TO THE REQUIREMENTS OF ASTM STANDARD C 564 AND ASTM C 1563 (MOST CURRENT EDITION)
- JOINTS FOR PIPE AND FITTINGS SHALL CONFORM TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODE REQUIREMENTS.

ELECTRICAL NOTES:

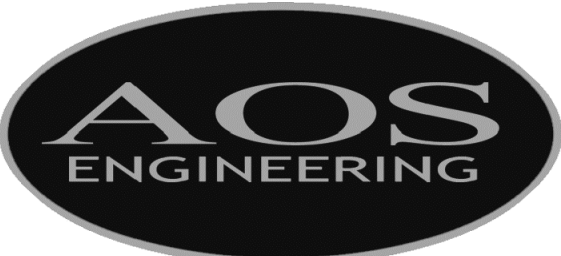
- FOR EXACT LIGHT FIXTURE LOCATIONS, LIGHT FIXTURE SPECIFICATIONS, EXACT RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS, REFER TO ARCHITECTURAL PLANS AND DETAILS. MEP PLANS ARE FOR CIRCUITING INFORMATION AND LIFE SAFETY ONLY.
- COORDINATE SWITCH/DIMMER LOCATIONS AND SWITCHING/DIMMING PATTERNS WITH ARCHITECT PRIOR TO INSTALLATION.
- POKE-THROUGH/FLOOR BOX SPECIFICATIONS SHALL BE AS FOLLOWS:  
DUPLEX - WALKER RC3 (OR EQUIVALENT)  
QUADRAPLEX - WALKER RC4 (OR EQUIVALENT)  
FURNITURE FEED (TWO DEVICES SHOWN) - WALKER RC7FFC FOR POWER, WALKER RC900AM-114 FOR TELE/DATA (OR EQUIVALENTS)  
FURNITURE FEED (ONE DEVICE SHOWN) - WALKER RC9FFC COMBINATION POWER/TELE/DATA TOMBSTONE (OR EQUIVALENT)  
SLAB ON GRADE FLOOR BOX - WALKER OMNIBOX 880CS3-1 (OR EQUIVALENT)
- TENANT'S CABLING VENDOR TO VERIFY THAT TELE/DATA POKE-THROUGH QUANTITIES SHOWN ON PLANS ARE SUFFICIENT FOR CABLING REQUIREMENTS. CONTACT AOS/ARCHITECT IF ADDITIONAL DEVICES ARE REQUIRED.
- PROVIDE OUTLET BOXES FOR ALL RECEPTACLES, SWITCHES, TELE/DATA DEVICES, ETC. AS REQUIRED PER PLANS.
- ALL WET LOCATION RECEPTACLES (WITHIN 6' OF WET LOCATION) SHALL BE RATED 'GFI'. ALL OUTDOOR RECEPTACLES SHALL BE RATED 'WP' AND 'GFI'. ALL VENDING MACHINE RECEPTACLES TO BE GFI PROTECTED.
- ALL RECEPTACLES SHALL BE GROUNDED. ALL DEVICES TO MATCH BUILDING STANDARD TYPE, U.N.O. ON PLANS. ALL FINISHES SHALL BE SELECTED BY ARCHITECT.
- COORDINATE WITH BUILDING MANAGEMENT AND STRUCTURAL ENGINEER PRIOR TO INSTALLING ANY PENETRATIONS THROUGH SLABS, FIRE RATED WALLS, AND ROOFS TO VERIFY ANY X-RAY OR OTHER REQUIREMENTS NECESSARY PRIOR TO PERFORMING WORK. FINISHED INSTALLATION SHALL MAINTAIN FIRE PROOF, WATER PROOF, AND STRUCTURAL INTEGRITY OF SYSTEM PENETRATED.
- ALL 120V BRANCH CIRCUITS ARE PROTECTED BY 1P/20A BREAKERS U.N.O. ON PLANS.
- AT ALL LOCATIONS WHERE MULTIPLE SWITCHES ARE LOCATED TOGETHER, CONTRACTOR SHALL GANG SWITCHES UNDER ONE COVER PLATE.
- ALL NEW LIGHT FIXTURES TO BE PROVIDED WITH LAMPS INCLUDED. ALL NEW/RELOCATED LIGHT FIXTURES SHALL BE SUPPORTED FROM ABOVE STRUCTURE. SEPARATE FROM CEILING GRID. PROVIDE AND INSTALL ALL REQUIRED ACCESSORIES RECOMMENDED BY MANUFACTURER FOR A COMPLETE INSTALLATION. CLEAN AND RELAMP ALL EXISTING TO REMAIN FIXTURES AS REQUIRED, VERIFY EXACT SCOPE IN FIELD.
- ALL CONDUCTORS ARE TO BE COPPER, #12 GAUGE MINIMUM. CIRCUITS OF 120V EXCEEDING 115 FEET SHALL BE #10 GAUGE MINIMUM. CONTROL WIRING SHALL BE #14 GAUGE MINIMUM. ALL CONNECTIONS SHALL BE MADE WITH U.L. LISTED CONNECTORS. UPSIZE ALL SHARED NEUTRALS TO #10 WIRE.
- DEMOLISH ALL UNUSED CONDUIT AND WIRING BACK TO SOURCE.
- UTILIZE EXISTING BASE BUILDING EMERGENCY LIGHTING CIRCUITS FOR ALL EMERGENCY FIXTURES AND EXIT SIGNS. VERIFY MAXIMUM OF 16A PER CIRCUIT AFTER ADDITION OF NEW FIXTURES. IN THE ABSENCE OF EMERGENCY CIRCUITS, PROVIDE AND INSTALL BATTERY PACKS IN ALL EMERGENCY FIXTURES AND EXIT SIGNS.
- IF ENERGY MANAGEMENT SYSTEM (EMS) IS PRESENT IN BUILDING, CONTRACTOR TO ROUTE ALL LIGHTING CIRCUITS THROUGH EMS AS DIRECTED BY BUILDING ENGINEER. COORDINATE IN FIELD.
- PROVIDE POWER TO ALL NEW HVAC, VAV BOXES, DAMPERS, ETC. FROM NEAREST 120V GENERAL PURPOSE CIRCUIT OR FROM BUILDING HVAC CONTROL PANEL AS REQUIRED. MATCH BUILDING STANDARD. COORDINATE ANY CONNECTIONS TO CONTROL SYSTEM WITH BUILDING ENGINEER. VERIFY LOCATIONS AND QUANTITIES WITH MECHANICAL PLANS. PROVIDE LOCAL DISCONNECT SWITCH AT EQUIPMENT.
- STEEL EMT CONDUIT SHALL BE UTILIZED FOR ALL HOME RUNS, 3/4" U.N.O. ON PLANS. MC CABLE SHALL BE ALLOWED FOR BRANCH WIRING BETWEEN LIGHTS AND RECEPTACLES U.N.O.
- FOR EACH SINGLE PHASE OR THREE PHASE MOTOR, CONTRACTOR TO INSTALL LOCAL DISCONNECT. REFERENCE PLANS FOR DISCONNECT TYPE.
- ALL FEEDERS AND BRANCH WIRING (120-208V), CONTROL WIRING, AND COMMUNICATION WIRING (LOW VOLTAGE) SHALL BE COMPLETELY ENCLOSED IN ELECTRICAL RACEWAY FROM SOURCE TO TERMINATION. INSTALL NYLON PULL CORD IN ALL RACEWAYS. ALL RACEWAYS SHALL BE FULLY SUPPORTED FROM SOURCE TO TERMINATION. PROVIDE AND INSTALL ALL SUPPORTING MEANS AS REQUIRED FOR A COMPLETE SYSTEM. CONTRACTOR TO INSTALL PULL BOXES, JUNCTION BOXES, WIREWAYS, ETC. WHERE REQUIRED PER NEC FOR A COMPLETE, CODE COMPLIANT SYSTEM.
- CONTRACTOR TO REFERENCE MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF ALL HVAC/PLUMBING EQUIPMENT PRIOR TO SUBMITTING BID AND ROUTING CIRCUITRY. CONTACT AOS IMMEDIATELY IF MECHANICAL/PLUMBING PLANS SHOW EQUIPMENT THAT IS NOT CIRCUITED ON ELECTRICAL PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE POWER TO ALL NEW HVAC/PLUMBING EQUIPMENT, TO ENSURE A COMPLETE, WORKABLE SYSTEM.
- CONTRACTOR TO OBTAIN APPROVAL FROM BUILDING MANAGEMENT FOR ANY SHUTDOWNS REQUIRED. UNDER NO CIRCUMSTANCES SHALL ANY ELECTRICAL DISTRIBUTION EQUIPMENT BE SHUT DOWN WITHOUT THE EXPRESS PERMISSION OF BUILDING MANAGEMENT.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO PROPERTY (OR ADJACENT PROPERTY) CAUSED BY HIM DURING CONSTRUCTION AND FOR THE REPLACEMENT/REPAIR THEREOF.
- CONTRACTOR SHALL HONOR ALL GUARANTEE COMMITMENTS FOR THE DESIGNATED TIME FRAME. REPLACE/REPAIR ANY FAILING EQUIPMENT/SYSTEMS AS DIRECTED BY BUILDING MANAGEMENT DURING THIS TIME FRAME.
- ALL NEW EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO PROVIDE AND INSTALL ALL APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION.
- ALL WORK SHALL FULLY COMPLY WITH ALL APPLICABLE CODES. CONTACT AOS AND/OR LOCAL CODE OFFICIALS TO RESOLVE ANY QUESTIONS REGARDING CODE ISSUES PRIOR TO PERFORMING WORK. SHOULD CONTRACTOR PROCEED WITH WORK IN QUESTION WITHOUT COORDINATING WITH CODE OFFICIALS, CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH RE-WORK DUE TO CODE VIOLATIONS.
- PRIOR TO SUBMITTING BID, CONTRACTOR TO VISIT SITE TO FAMILIARIZE HIM/HER SELF WITH ALL EXISTING FIELD CONDITIONS. NOTIFY ARCHITECT/AOS OF ANY ITEMS DISCOVERED THAT ARE NOT COVERED ON PLANS THAT WILL AFFECT PRICING.
- REFERENCE PLANS FOR ALL NEW EQUIPMENT LOCATIONS. MANUFACTURER OF ALL NEW DISTRIBUTION EQUIPMENT SHALL MATCH BUILDING STANDARD. VERIFY MANUFACTURER DURING SITE VISIT. ALL NEW PANELBOARDS TO HAVE COPPER BUS.
- FINISHED WORK TO FULLY COMPLY WITH ALL BASE BUILDING STANDARDS. OBTAIN MANUAL OF BUILDING STANDARDS FROM BUILDING MANAGEMENT PRIOR TO SUBMITTING BID AND BEGINNING WORK.
- ALL SURFACE MOUNTED RACEWAY SHALL BE ALUMINUM WITH DIVIDER. RACEWAYS SHALL BE SIZED PER NEC FOR WIRE QUANTITY THROUGH RACEWAY. FINISH OF RACEWAY TO BE SELECTED BY ARCHITECT.
- UPDATE ALL AFFECTED PANEL SCHEDULES UPON COMPLETION OF WORK. UPDATED SCHEDULES MUST BE TYPED.
- ALL ELECTRIC ROOM INSTALLATIONS SHALL BE DONE IN SUCH A WAY AS TO MAXIMIZE WALL/FLOOR SPACE FOR FUTURE EQUIPMENT.
- THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR SUBMITTING FIRE ALARM CONSTRUCTION DOCUMENTS TO LOCAL OFFICIALS FOR PERMIT. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT QUANTITIES AND LOCATIONS OF ALL FIRE ALARM DEVICES TO MEET ALL APPLICABLE CODES AND FOR DETERMINING REQUIREMENTS FOR CONNECTIONS TO EXISTING BUILDING FIRE ALARM SYSTEM TO ENSURE A COMPLETE, WORKABLE SYSTEM. INSTALL NEW FIRE ALARM SYSTEM IN BUILDING WHERE DIRECTED BY LOCAL CODE OFFICIALS.
- CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES AS REQUIRED PER ALL RELATED MANUFACTURER'S RECOMMENDATIONS TO PROVIDE A COMPLETE, WORKABLE ELECTRICAL SYSTEM PER THE INTENT OF THE CONTRACT DOCUMENTS, EVEN THOUGH ALL NECESSARY ITEMS AND ACCESSORIES ARE NOT SHOWN ON PLANS.
- CONTRACTOR TO INSTALL A GROUNDING SYSTEM THAT FULLY COMPLIES WITH THE NEC AND ANY LOCAL CODES.
- CONTRACTOR TO INSTALL CONDUIT WITH PULL STRING FROM BUILDING TELEPHONE CLOSET TO TENANT'S PHONE BOARD. COORDINATE EXACT CONDUIT SIZE AND CONDUIT ROUTING IN FIELD WITH TENANT AND BUILDING ENGINEER.
- CONTRACTOR TO ROUTE 1-#6 INSULATED GROUND WIRE FROM BUILDING GROUND RISER TO TENANT TELEPHONE BOARD. IF TENANT HAS COPPER GROUND BAR IN SERVER/IT ROOM, CONTRACTOR MAY UTILIZE IT TO SERVE #6 GROUND WIRE TO PHONE BOARD. COORDINATE EXACT GROUNDING REQUIREMENTS IN FIELD WITH TELEPHONE SYSTEM INSTALLER PRIOR TO INSTALLING GROUND WIRE.
- IN KITCHEN AREAS, ALL SINGLE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 50A OR LESS AND ALL THREE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 100A OR LESS TO BE GFCI PROTECTED PER NEC 210.8.

DEMOLITION NOTES:

- PROTECT THE EXISTING EQUIPMENT AND SYSTEMS TO REMAIN OPERATIONAL. IF DAMAGED OR DISTURBED IN THE COURSE OF THE DEMOLITION WORK, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE WITH NEW PRODUCT OF EQUAL CAPACITY, QUALITY AND FUNCTIONALITY.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER TO ARRANGE THE SHUT OFF OF UTILITIES.
- CONTRACTOR SHALL BOX AND/OR PALLETIZE ALL DEMOLISHED EQUIPMENT AND PROTECT IT ON SITE. REMOVE THESE ITEMS FROM THE SITE AT THE DIRECTION OF THE OWNER.
- CONTRACTOR SHALL NOT CONSIDER DEMOLITION AND ALTERATION NOTES TO BE ALL-INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA TO FULFILL THE INTENT OF THE COMPLETE DESIGN. REFER TO ARCHITECTURAL DOCUMENTS FOR DEFINITION OF SCOPE FOR DEMOLITION AREAS AND ADDITIONAL REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO CONFIRM THE EXTENT OF DEMOLITION AND RESOLVE ANY DISCREPANCIES WITH OWNER'S/LANDLORD'S CONSTRUCTION MANAGER.
- FOR DEMOLITION AREAS, THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND FIRE SUPPRESSION DEMOLITION DRAWINGS AND REMOVE WIRING, RACEWAYS, AND ELECTRICAL EQUIPMENT ASSOCIATED WITH THE MECHANICAL, PLUMBING AND FIRE SUPPRESSION DEMOLITION.
- ENSURE THAT ALL LIFE SAFETY SYSTEMS REMAIN OPERATIONAL AND MEET LIFE SAFETY CODE REQUIREMENTS FOR ALL OCCUPIED AREAS THAT REMAIN OPERATIONAL DURING/AFTER DEMOLITION. THIS INCLUDES, BUT IS NOT LIMITED TO, EGRESS PATHWAYS, FIRE ALARM SYSTEMS, EGRESS LIGHTING AND OTHER LIFE SAFETY SYSTEMS.
- PROTECT EXISTING EQUIPMENT AND SYSTEMS INTENDED TO REMAIN OPERATIONAL. IF DAMAGED OR DISTURBED IN THE COURSE OF THE DEMOLITION WORK, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE WITH NEW PRODUCT OF EQUAL CAPACITY, QUALITY AND FUNCTIONALITY.
- RE-ROUTE AND RE-CONNECT ANY CIRCUIT(S) THAT ARE TO REMAIN IN USE BUT INTERFERES WITH THE NEW CONSTRUCTION.
- WORK REQUIRING INTERRUPTION OF ELECTRICAL POWER, WHICH WOULD ADVERSELY AFFECT THE NORMAL OPERATION OF THE OWNER/LANDLORD'S PROPERTY OR OTHER BUILDING TENANTS, SHALL BE DONE AT A TIME OTHER THAN NORMAL WORKING HOURS. SCHEDULE ALL OUTAGES WITH OWNER/LANDLORD PRIOR TO SHUTDOWN.
- OWNER/LANDLORD RESERVES THE RIGHTS TO ALL DEMOLISHED MATERIALS. COORDINATE AND VERIFY EQUIPMENT INTENDED TO BE SALVAGED PRIOR TO DEMOLITION. MATERIALS THAT OWNER/LANDLORD REQUESTS TO BE RE-USED OR SALVAGED, THE MATERIALS SHALL BE REMOVED IN A NEAT WORKMAN LIKE METHOD TO ALLOW THEIR RE-USE. PROTECT THE SALVAGE MATERIALS FOR REUSE BY PROPERLY PACKAGING THE MATERIALS TO PROTECT SALVAGED MATERIALS FROM DAMAGE; SECURELY PACKAGE ALL SALVAGE MATERIAL'S INSTALLATION HARDWARE AND PARTS TO SALVAGED MATERIALS.
- REMOVE UNUSED BRANCH CIRCUITS BACK TO BRANCH PANELBOARD OF ORIGIN, MARK BREAKER AS "SPARE" AND MAKE ELECTRICALLY SAFE. REMOVE ALL ABANDONED CONDUITS ABOVE LAY-IN CEILING, EXPOSED CONDUITS, FLEXIBLE CONDUITS, SURFACE RACEWAY, SURFACE MOUNTED OUTLET/JUNCTION BOXES, AND EQUIPMENT UNLESS NOTED OTHERWISE.
- REMOVE DEMOLISHED MATERIAL FROM PROJECT SITE IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND REGULATIONS. FOLLOW ALL STATE AND LOCAL REGULATIONS AND CODES FOR PROPER DISPOSAL.



CONTRACTOR SHALL COORDINATE  
MEP DRAWINGS WITH ALL OTHER  
DISCIPLINES



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Houston 832.532.2007

CareSpot Urgent Care

Lee Vista Center

8132 Lee Vista Boulevard, Suite 102  
Orlando, Florida 32801

90% CONSTRUCTION DOCUMENTS

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COVER SHEET  
NOTES

Project No.	1821
Date	2018-10-29
Last Revision	-

MEP-2

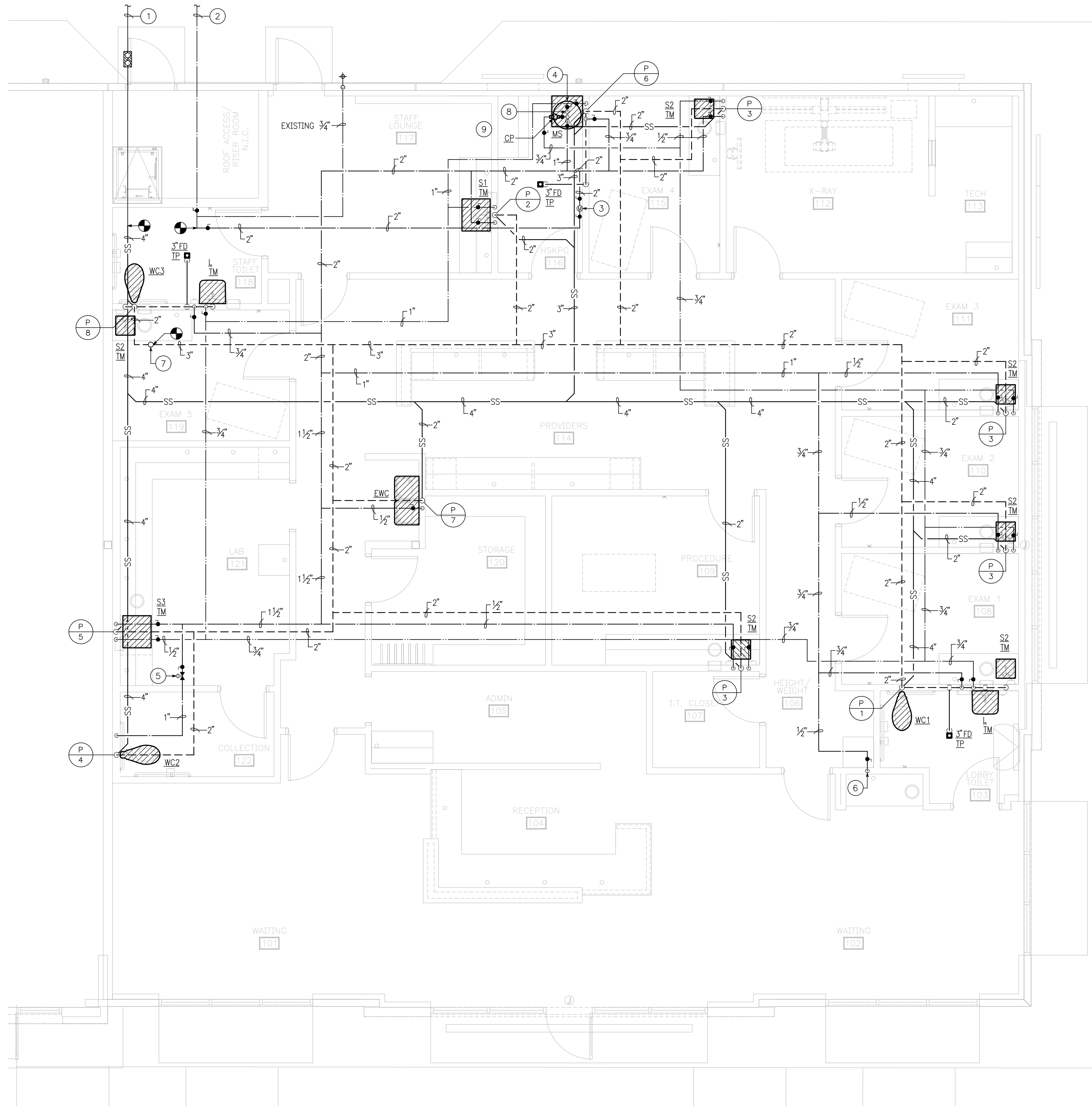
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ALL NOTES MAY NOT APPLY.





**1 FLOOR PLAN - PLUMBING**  
SCALE: 1/4" = 1'-0"  
NORTH

### GENERAL NOTES

- A. PROVIDE ALL STOP VALVES, P-TRAPS ETC. AS REQUIRED FOR COMPLETE INSTALLATION. INSULATE ALL EXPOSED WASTE AND WATER LINES WITH "PLUMBEREX PRO SERIES 2000" INSULATION KIT.
- B. PRIOR TO BID, THE CONTRACTOR SHALL VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING SERVICE (SEWER, VENT, WATER, ETC.) REQUIRED FOR COMPLETION OF THE PROJECT. NO ALLOWANCES WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
- C. ALL FIXTURES AND APPURTENANCES SHALL BE INSTALLED AS PER CODE AND ALL ADOPTED AMENDMENTS.
- D. INSTALL ALL BACKFLOW PREVENTERS IN ACCESSIBLE LOCATION PER LOCAL CODE REQUIREMENTS. PROVIDE REQUIRED CLEARANCES, SUPPORTS AND ACCESS AS REQUIRED.
- E. REFER TO PLUMBING RISER DIAGRAMS FOR WATER CONNECTIONS TO ICE MACHINES, REFRIGERATORS, COFFEE MAKERS, ETC.
- F. ALL HORIZONTAL SANITARY SEWER PIPING SHOWN IS LOCATED BELOW FLOOR. SLOPE AS REQUIRED BY CODE, NOT LESS THAN 1/8" FOR 1 FT.
- G. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES.
- H. ALL DRAINS SHALL HAVE TRAP PRIMERS AND EQUIPPED WITH SHUT-OFF VALVES.
- I. NO ALLOWANCES WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
- J. SAWCUT EXISTING FLOOR AS REQUIRED FOR PROPER INSTALLATION OF NEW PLUMBING FIXTURES.
- K. CONDENSATE ROUTING AND SIZING SHOWN ON MECHANICAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR ROUTING AND TERMINATION OF MECHANICAL CONDENSATE PIPING.
- L. ALL FIXTURES SHALL BE VENTED TO A VENT THRU ROOF (VTR). STUDDOR VENTS ARE NOT ALLOWED.

### PLUMBING NOTES:

- 1 EXISTING SANITARY SEWER LINE TO REMAIN. FIELD VERIFY EXACT SIZE, LOCATION AND ELEVATION PRIOR TO BID.
- 2 EXISTING C.W. LINE TO REMAIN. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO BID.
- 3 MASTER SHUT-OFF VALVE. LOCATE AT 48" ABOVE FINISHED FLOOR BEHIND DOOR IN HOUSEKEEPING. COORDINATE EXACT LOCATION WITH LANDLORD PRIOR TO INSTALLATION.
- 4 WH-1, ELECTRIC WATER HEATER MOUNTED ABOVE MOP SINK. REFER TO DETAIL 1 ON SHEET P-3.
- 5 SOLENOID VALVE ASCO #8210G14 OR EQUAL. WIRED TO WALL SWITCH (BY ELECTRICAL CONTRACTOR).
- 6 PROVIDE 1/2" C.W. LINE WITH WATTS LF007 DOUBLE CHECK BACKFLOW PREVENTOR TO SERVE COFFEE MAKER. VERIFY LOCATION, ROUTE CONCEALED.
- 7 EXISTING 3" VENT THRU ROOF (VTR) TO REMAIN. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO BID.
- 8 1" H.W. LINE FROM WATER HEATER TO SERVE PLUMBING FIXTURES.
- 9 REFER TO PLUMBING RISER DIAGRAM P/2 ON SHEET P-4 FOR WATER LINE TO SERVE REFRIGERATOR.



CONTRACTOR SHALL COORDINATE  
MEP DRAWINGS WITH ALL OTHER  
DISCIPLINES



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### PLUMBING FLOOR PLAN

Project No.	1821
Date	2018-10-29
Last Revision	-



THERMOSTATIC MIXING VALVE SCHEDULE	
VALVE ASSEMBLY DESIGNATION/DESCRIPTION	TM
LOCATION/SERVICE	UNDER LAVATORY AND SINK
HOT WATER INLET TEMPERATURE °F	140°
BLENDED WATER TEMPERATURE °F	105°
SENSING RANGE	40°
PRESSURE DROP THRU SYSTEM PSI	10 psi
MANUFACTURER MODEL NUMBER	POWERS LFLM495

THERMOSTATIC MIXING VALVE WITH INLET AND OUTLET, TEMPERATURE CONTROL TO ASSE 1069, 1070 DOWN TO 0.5 GPM, ADVANCED THERMAL ACTUATOR, SOLID BRASS CONSTRUCTION, ADJUSTABLE TEMPERATURE SELECTION WITH LOCK DOWN, UNION CONNECTIONS, INTEGRAL CHECKS AND SCREEN.

WATER HEATER SCHEDULE						
MARK	LOCATION	STORAGE WATER TEMP (°F)	VOLTS/PHASE	HEATING ELEMENT KW	MANUFACTURER/ MODEL NO.	REMARKS
WH-1	HSKPG 116	140	208/1	4.5	A.O.SMITH DEL-30	30 GALLON WATER HEATER

- GENERAL NOTES:
- TEMPERATURE AND PRESSURE RELIEF COPPER DRAIN LINE TO BE ROUTED FULL SIZE TO MOP SINK.
  - WH-1 EFFICIENCY SHALL BE 0.98.
  - HOT WATER HEATING PIPING SHALL BE INSULATED WITH NOT LESS THAN 1 INCH OF INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/H X FT SQUARED X ° F.

GENERAL NOTES

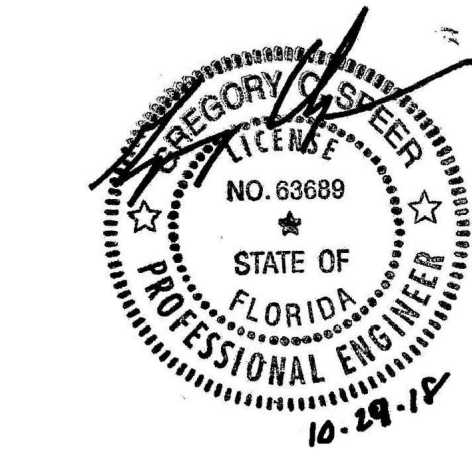
- A. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR, UNLESS NOTED OTHERWISE.
- B. THESE PLANS ARE DIAGRAMMATIC IN NATURE, CONTRACTORS SHALL INCLUDE APPROPRIATE ALLOWANCES FOR OFFSETS AS REQUIRED TO ACCOMMODATE VERTICAL AND HORIZONTAL VARIATIONS IN THE LOCATIONS AND ELEVATIONS OF DUCTWORK, PIPING AND EXISTING CONDITIONS.
- C. EACH TRADE SHALL COORDINATE THE ROUTING AND INSTALLATION OF HIS WORK WITH THAT OF ALL OTHER TRADES THROUGH THE GENERAL CONTRACTOR. IN ANY INSTANCES OF CONFLICT, SYSTEMS REQUIRING "GRADE" OR "SLOPE" FOR DRAINAGE (SANITARY SEWER, SANITARY VENT, EQUIPMENT DRAINS, ETC...) SHALL HAVE PRIORITY.
- D. PENETRATIONS OF WALLS OR FLOORS FOR THE PASSAGE OF PIPING, OR OTHER EQUIPMENT SHALL BE PROPERLY SEALED AFTER INSTALLATION OF EQUIPMENT. FIELD VERIFY EXISTING WALL PENETRATIONS AND PROPERLY SEAL AS REQUIRED TO MAINTAIN WALL OR FLOOR RATING.
- E. PROVIDE ALL EQUIPMENT, MATERIAL, LABOR, SUPERVISION, COSTS AND SERVICES REQUIRED TO INSTALL, COMPLETE AND WORKING SYSTEMS, INCLUDING ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLE, INCIDENTAL OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFIED OR SHOWN.
- F. PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT AND VALVES. COORDINATE LOCATION OF ACCESS PANELS WITH ARCHITECT.
- G. PROVIDE CAST IRON EXPANSION JOINTS AT ALL FLOOR PENETRATIONS WHERE DRAINAGE OR VENT PIPES OCCUR.
- H. ALL HORIZONTAL SANITARY SEWER PIPING SHOWN IS LOCATED BELOW FINISHED FLOOR.
- I. ALL SANITARY VENT AND WATER LINES SHOWN ARE LOCATED ABOVE CEILING.
- J. EACH FIXTURE SHALL HAVE A SHUT-OFF VALVE AT THE FIXTURE. THESE VALVES ARE TO BE ADJUSTED SO AS TO PREVENT EXCESSIVE PRESSURE AT THE FIXTURE. PROVIDE WATER HAMMER ARRESTORS AT EACH FIXTURE WERE REQUIRED.
- K. INSTALL CLEANOUTS WHERE REQUIRED BY CODE, AT ALL CHANGES IN DIRECTION AND AT 75 FOOT INTERVALS ON STRAIGHT RUNS.
- L. PROVIDE A THERMOSTATIC MIXING VALVE AT EACH FIXTURE AS REQUIRED PER LOCAL CODE AND ALL ADOPTED AMENDMENTS.
- M. OFFSET ALL SEWER VENTS THROUGH THE ROOF A MINIMUM OF 15'-0" FROM ALL OUTSIDE AIR INTAKES. TERMINATE A MINIMUM OF 6" ABOVE ROOF.
- N. COLD AND HOT WATER PIPING SHALL BE TYPE L HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS. PROVIDE SOFT COPPER PIPING UNDER SLAB TO AVOID UNDERGROUND FITTINGS.
- O. INSULATE DOMESTIC HOT WATER AND RECIRCULATION LINES (1" THICK), AND DOMESTIC COLD WATER LINES (1/2" THICK) WITH OWENS CORNING FIBERGLASS 25 ASJ, JOHNS-MANVILLE AP OR APPROVED EQUAL, SEALED TO PREVENT SWEATING AND CONTINUOUS THROUGH WALLS, FLOORS, CEILINGS. ALL HOT WATER PIPING SHALL BE INSULATED PER THE ENERGY CODE. COLD WATER PIPING SHALL BE INSULATED IN EXTERIOR WALLS, CEILINGS OR IN SPACES EXPOSED TO OUTDOOR TEMPERATURES WITH 1 INCH THICK FIBERGLASS INSULATION.
- P. SOIL, WASTE AND DRAIN PIPING, 2" AND LARGER, SHALL BE SERVICE WEIGHT CAST IRON. WASTE PIPING BELOW THE SLAB SHALL HAVE BELL AND SPIGOT CAST IRON MANUFACTURED TO ASTM A 74 WITH TY-SEAL GASKETS MANUFACTURED TO ASTM C 684. CAST IRON PIPING ABOVE THE SLAB SHALL BE 'NO-HUB' PIPE AND FITTINGS MANUFACTURED TO CISPI 301. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL, DWV COPPER OR SERVICE WEIGHT CAST IRON. ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE AND BE LISTED WITH NSF INTERNATIONAL. IF APPROVED BY LOCAL CODES, SOIL, WASTE, AND DRAIN PIPING, 2" AND LARGER, SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PIPING, ASTM AND NSF STAMPED AND APPROVED. FITTINGS SHALL BE PVC SCHEDULE 40 ASTM STAMPED AND APPROVED.

PUMP SCHEDULE											
MARK	LOCATION	SERVES	TYPE	GPM	TDH (FT)	HP	MAXIMUM RFM	VOLTS/PHASE	CYCLE	MANUFACTURER/ MODEL NUMBER	REMARKS
CP	HSKPG 116	DOMESTIC RETURN	IN-LINE	6	8	1/6	3600	120/1	60	ARMSTRONG COMPASS 20-20SS	VARIABLE SPEED PUMP WITH STAINLESS STEEL BODY.

PLUMBING FIXTURE SCHEDULE	
MARK	DESCRIPTION
WC1	HANDICAP FLOOR MOUNTED TANK TYPE WATER CLOSET. AMERICAN STANDARD "CADET" #2467.801 PRESSURE ASSISTED ELONGATED VITREOUS CHINA WITH RIGHT HAND TRIP LEVER, 1.1 GPF. CHURCH 9500C OPEN FRONT SEAT LESS COVER.
WC2	HANDICAP FLOOR MOUNTED WATER CLOSET. AMERICAN STANDARD "MADERA" #3043.001, 1.28 GPF, ELONGATED BOWL WITH 1-1/2" TOP SPUD. SLOAN "ROYAL" #111-1.28 FLUSH VALVE WITH HANDLE, SCREWDRIVER ANGLE STOP AND VACUUM BREAKER. CHURCH #9500C OPEN FRONT SEAT LESS COVER.
WC3	HANDICAP FLOOR MOUNTED TANK TYPE WATER CLOSET. AMERICAN STANDARD "CADET" #2467.100 PRESSURE ASSISTED ELONGATED VITREOUS CHINA WITH LEFT HAND TRIP LEVER, 1.1 GPF. CHURCH 9500C OPEN FRONT SEAT LESS COVER.
L	HANDICAP WALL MOUNTED LAVATORY. AMERICAN STANDARD "LUCERNE" 0356.015 VITREOUS CHINA "D" SHAPED BOWL, MOEN FAUCET 8228 WITH WRIST BLADE HANDLES, 8" FAUCET CENTERS, MOEN 14750 PERFORATED GRID DRAIN, 17 GAUGE BRASS P-TRAP. JOSAM CARRIER OR WATTS CARRIER.
S1	HANDICAP STAINLESS STEEL SINK. ELKAY "LUSTERTONE" LRAD-2521 SINGLE COMPARTMENT SINK, 6-1/2" DEEP, MOEN FAUCET 8225 WITH WRIST BLADE HANDLES, 17 GAUGE BRASS P-TRAP, MCGUIRE SUPPLIES. PROVIDE WITH A GARBAGE DISPOSAL.
S2	HANDICAP STAINLESS STEEL SINK. ELKAY "LUSTERTONE" LRAD-1517 SINGLE COMPARTMENT SINK, 6-1/2" DEEP, MOEN FAUCET 8225 WITH WRIST BLADE HANDLES, 17 GAUGE BRASS P-TRAP, MCGUIRE SUPPLIES.
S3	HANDICAP STAINLESS STEEL SINK. ELKAY "LUSTERTONE" LRAD-2521 SINGLE COMPARTMENT SINK, 6-1/2" DEEP, MOEN FAUCET 8225 WITH WRIST BLADE HANDLES, 17 GAUGE BRASS P-TRAP, MCGUIRE SUPPLIES.
EW	HANDICAP HI/LOW ELECTRIC WATER COOLER. ELKAY MODEL #EZTL8C, ALL STAINLESS STEEL WITH 1-1/4"x1-1/2" P-TRAP AND MCGUIRE H166 WHEEL HANDLE STOP VALVE. UNIT SHALL HAVE A CAPACITY OF COOLING 8 GPH TO 50 DEGREES WITH ROOM TEMPERATURE AT 90 DEGREES AND INLET SUPPLY WATER AT 80 DEGREES. UNIT SHALL BE MOUNTED HI/LOW PER ADA/TAS HEIGHT REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR ELEVATIONS. JAY R. SMITH CARRIER OR WATTS CARRIER.
MS	FLOOR MOUNTED MOP BASIN. STERN WILLIAMS HL-1800 TERRAZZO 24X24, CHICAGO FAUCET 897 WITH INTEGRAL STOPS, VACUUM BREAKER, WALL BRACKET PAIL HOOK AND ARM HANDLE
FD	FLOOR DRAIN. JR SMITH-2005-A05NB-U-P050 CAST IRON BODY WITH NICKEL BRONZE STRAINER, VANDAL PROOF SCREWS, 1/2" TRAP PRIMER AND BOTTOM OUTLET OR WATTS DRAINAGE FD-100-A, JOSAM #30000
TP	PRECISION PLUMBING PRODUCTS, INC. #P-1 TRAP PRIMER VALVE, 1/2" SUPPLY FROM TOP OF MAIN TO VALVE, 1/2" SUPPLY TO EACH FLOOR AND/OR HUB DRAIN, DISTRIBUTION UNIT AS REQUIRED OR WATTS DRAINAGE A-200.
SA	WATER HAMMER ARRESTOR. JR SMITH-5000 SERIES "HYDROTROL" ALL STAINLESS STEEL SHOCK ABSORBERS WITH PERMANENTLY SEALED CUSHION OF AIR OR GAS. PROVIDE A MINIMUM 12"x12" LOCKING ACCESS PANEL AT ALL OTHERWISE INACCESSIBLE LOCATIONS OR WATTS DRAINAGE SG-SERIES.
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER. WATTS LF009 LEAD FREE REDUCED PRESSURE BACKFLOW PREVENTER, FURNISHED STANDARD WITH THREADED CONNECTIONS, QUARTER-TURN BALL VALVES AND Y-STRAINER, INSTALL AT 36" ABOVE FINISHED FLOOR AND EXTEND RELIEF DRAIN PIPING TO FLOOR DRAIN/SINK OR HUB DRAIN.
DCBP	DOUBLE CHECK BACKFLOW PREVENTER. WATTS LF007 LEAD FREE DOUBLE CHECK VALVE BACKFLOW PREVENTER, FURNISHED STANDARD WITH THREADED CONNECTIONS, QUARTER-TURN BALL VALVES AND Y-STRAINER, INSTALL AT 36" ABOVE FINISHED FLOOR.
WCO	WALL CLEANOUT. JR SMITH-4530 DUCO CAST IRON CLEANOUT TEE AND COUNTERSUNK PLUG WITH STAINLESS STEEL ROUND COVER AND SCREW OR WATTS DRAINAGE CO-480-RD.
FCO	FLOOR CLEANOUT. JR SMITH - 4031L DUCO CAST IRON CLEANOUT WITH ROUND ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP WITH ABS GASKET SEAL PLUG OR WATTS DRAINAGE CO-200-R.

- GENERAL NOTES:
- VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS.
  - ALL LAVATORY P-TRAPS SHALL HAVE CLEANOUT PLUGS.
  - ALL PLUMBING FIXTURES MUST CONFORM TO CURRENT WATER CONSERVATION REGULATIONS.
  - ALL FIXTURES SHALL HAVE STANDARD FINISHES, UNLESS NOTED OTHERWISE.
  - PROVIDE TRAP PRIMERS TO ALL INDIRECT DRAIN CONNECTION INCLUDED FLOOR DRAINS AND HUB DRAINS.
  - FIXTURE SHALL COMPLY WITH ADA/TAS GUIDELINES AND ANSI A117.1 REQUIREMENTS.
  - PROVIDE INSULATION KITS ON DRAINS AND SUPPLIES AS REQUIRED.
  - WATER CLOSET FLUSH VALVE LEVER HANDLE SHALL BE LOCATED ON THE WIDE SIDE OF THE STALL.

PLUMBING SYMBOLS			
ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.			
SYMBOL	DESCRIPTION		
	EXISTING PIPING/FIXTURES/EQUIPMENT TO REMAIN		
	EXISTING PIPING/FIXTURES/EQUIPMENT TO BE REMOVED		
	DOMESTIC COLD WATER PIPING		
	DOMESTIC HOT WATER PIPING		
	DOMESTIC HOT WATER RETURN PIPING		
	PIPING UP		
	PIPING DOWN		
	DIRECTION OF FLOW		
	GATE VALVE		
	BALL VALVE		
	TEMPERATURE AND PRESSURE RELIEF VALVE		
	CHECK VALVE		
	HYDRAULIC SHOCK ARRESTOR		
	UNION		
	HOSE BIBB OR HYDRANT		
	THERMOMETER		
	GAS COCK		
	PRESSURE REGULATING VALVE		
	NATURAL GAS PIPING		
	SANITARY SEWER PIPING		
	GREASE WASTE PIPING		
	SANITARY VENT PIPING		
	P-TRAP		
	FLOOR DRAIN OR FLOOR SINK WITH P-TRAP		
	HUB DRAIN WITH P-TRAP		
	FLOOR CLEANOUT OR GRADE CLEANOUT		
	CLEANOUT OR WALL CLEANOUT		
	TRAP PRIMER SUPPLY		
	CONNECT TO EXISTING		
PLUMBING ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR	FD	FLOOR DRAIN
AFG	ABOVE FINISHED GRADE	CCO	GRADE CLEANOUT
A/C	ABOVE CEILING	GC	GENERAL CONTRACTOR
B/F	BELOW FLOOR	HW	HOT WATER
BFF	BELOW FINISHED FLOOR	HWR	HOT WATER RETURN
B/G	BELOW GRADE	SS	SANITARY SEWER
BRF	BELOW RAISED FLOOR	SV	SANITARY VENT
CO	CLEANOUT	VTR	VENT THRU ROOF
CW	COLD WATER	(E)	EXISTING TO REMAIN
DCO	DOUBLE CLEANOUT	(D)	EXISTING TO BE RELOCATED
FCO	FLOOR CLEANOUT	(R)	RELOCATED FROM EXISTING



CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES



5020 Tennyson Parkway - Plano, TX 75024  
Dallas / Fort Worth 214.432.3030  
Houston 832.532.2007

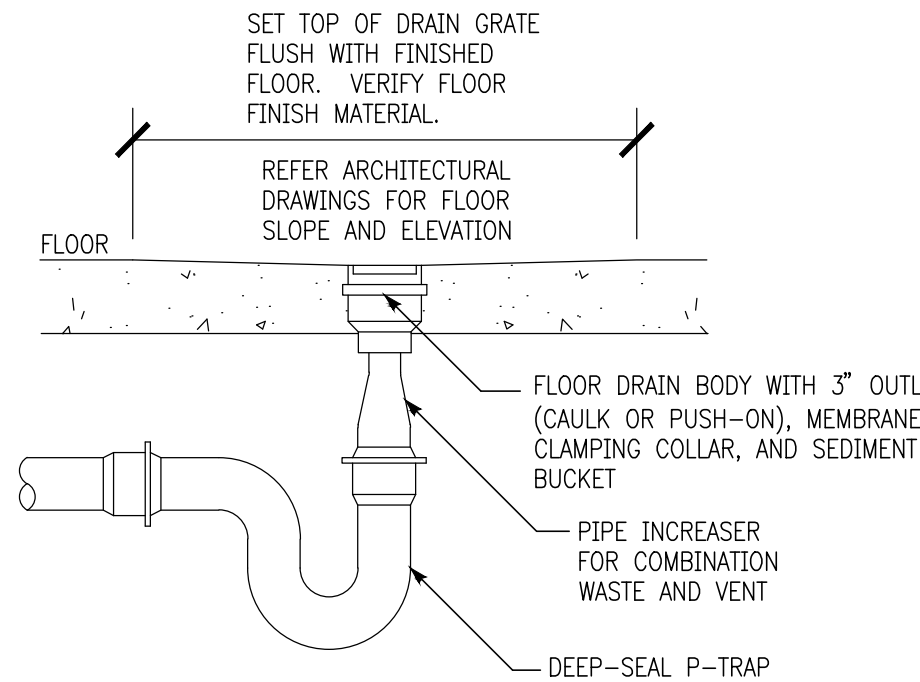
AOS JOB # 2039-008-18

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No.	Date	Item
REVISIONS		

PLUMBING SCHEDULES

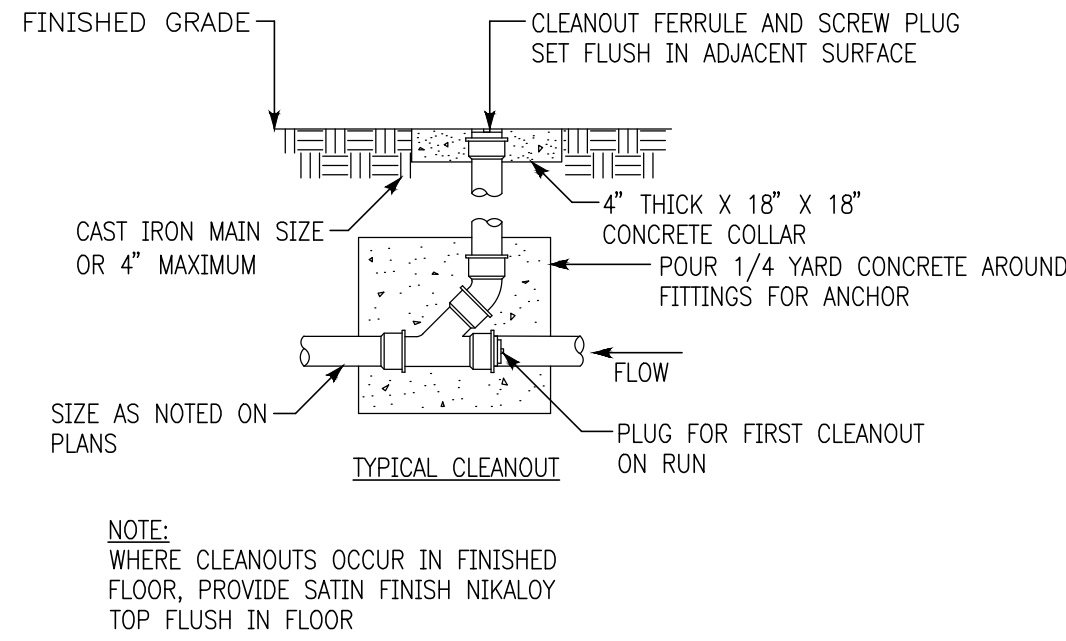
Project No.	1821
Date	2018-10-29
Last Revision	-





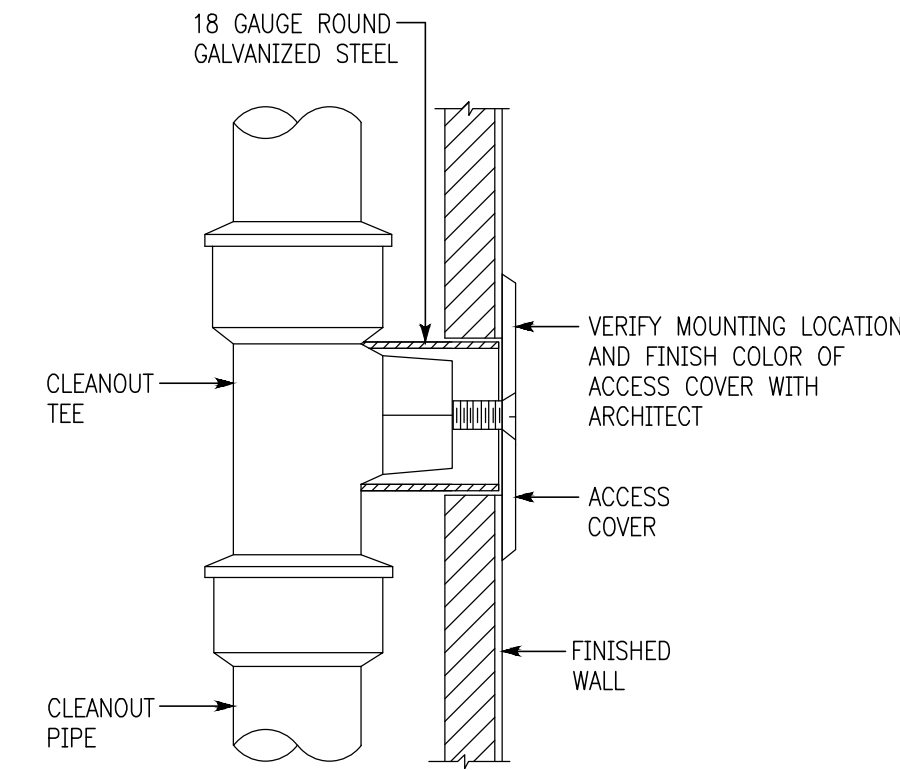
LOCATE FLOOR DRAIN WHERE SHOWN ON PLUMBING PLAN.

**6 OPEN AREA FLOOR DRAIN**  
SCALE: NONE

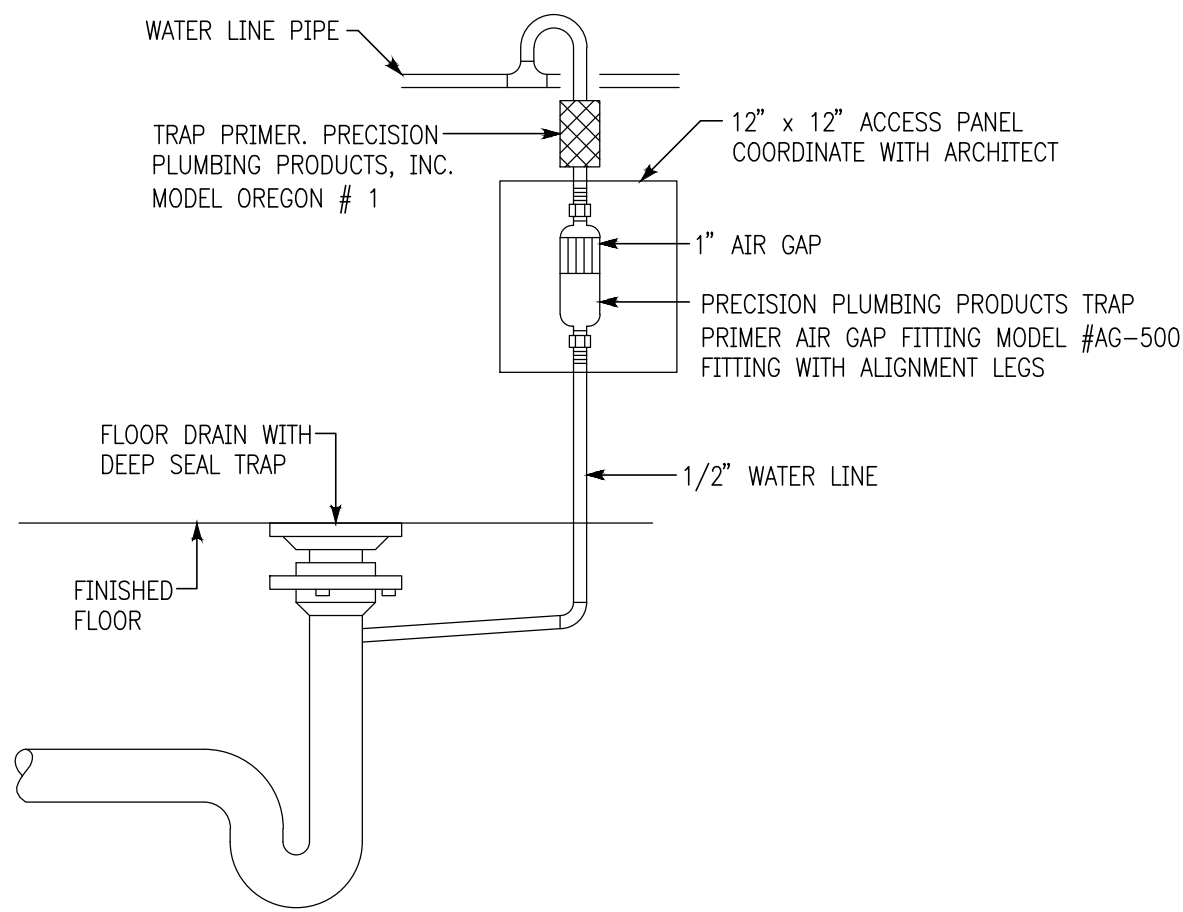


NOTE: WHERE CLEANOUTS OCCUR IN FINISHED FLOOR, PROVIDE SATIN FINISH NIKALOY TOP FLUSH IN FLOOR

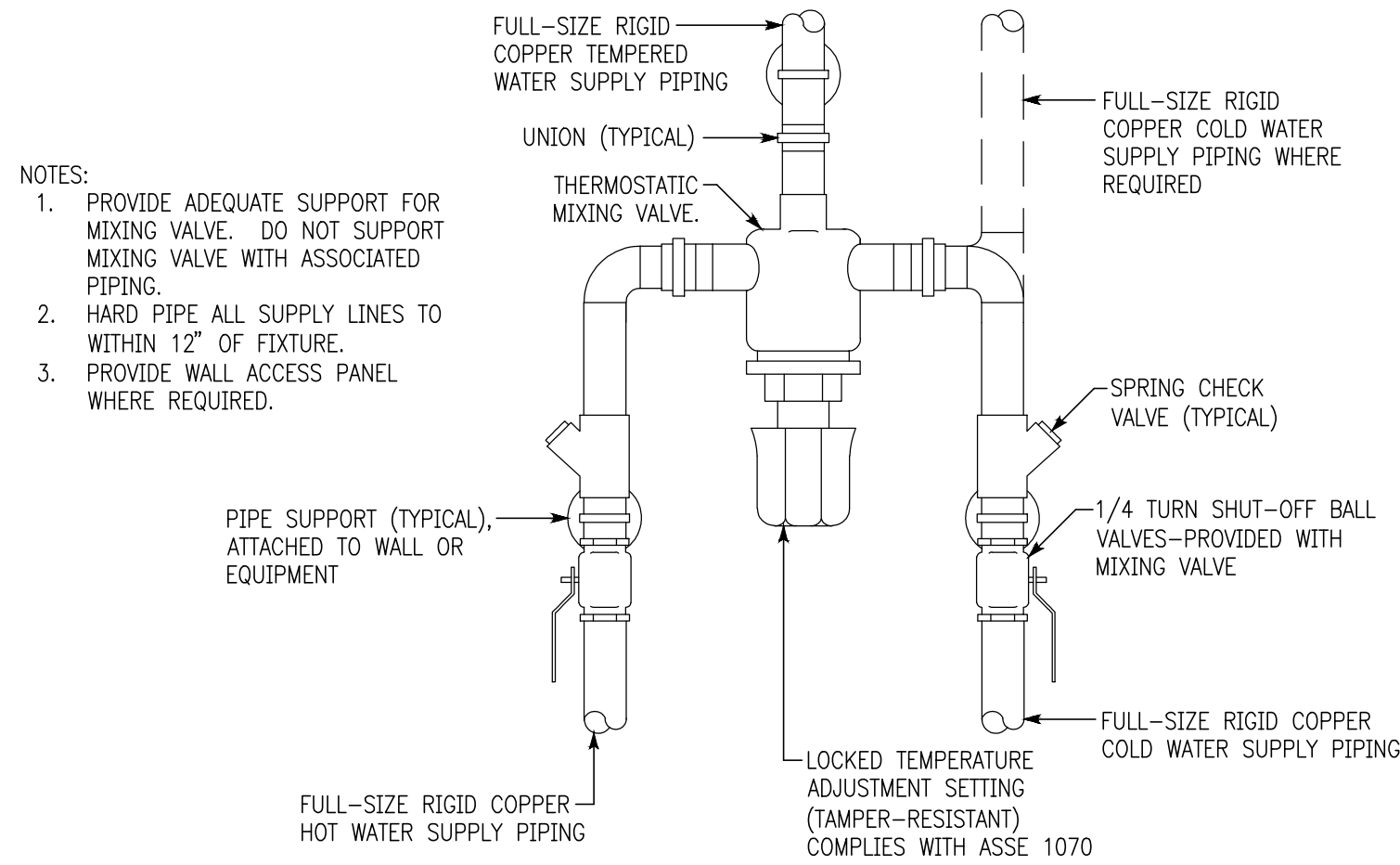
**5 INTERIOR CLEANOUT DETAIL**  
SCALE: NONE



**4 WALL CLEANOUT DETAIL**  
SCALE: NONE

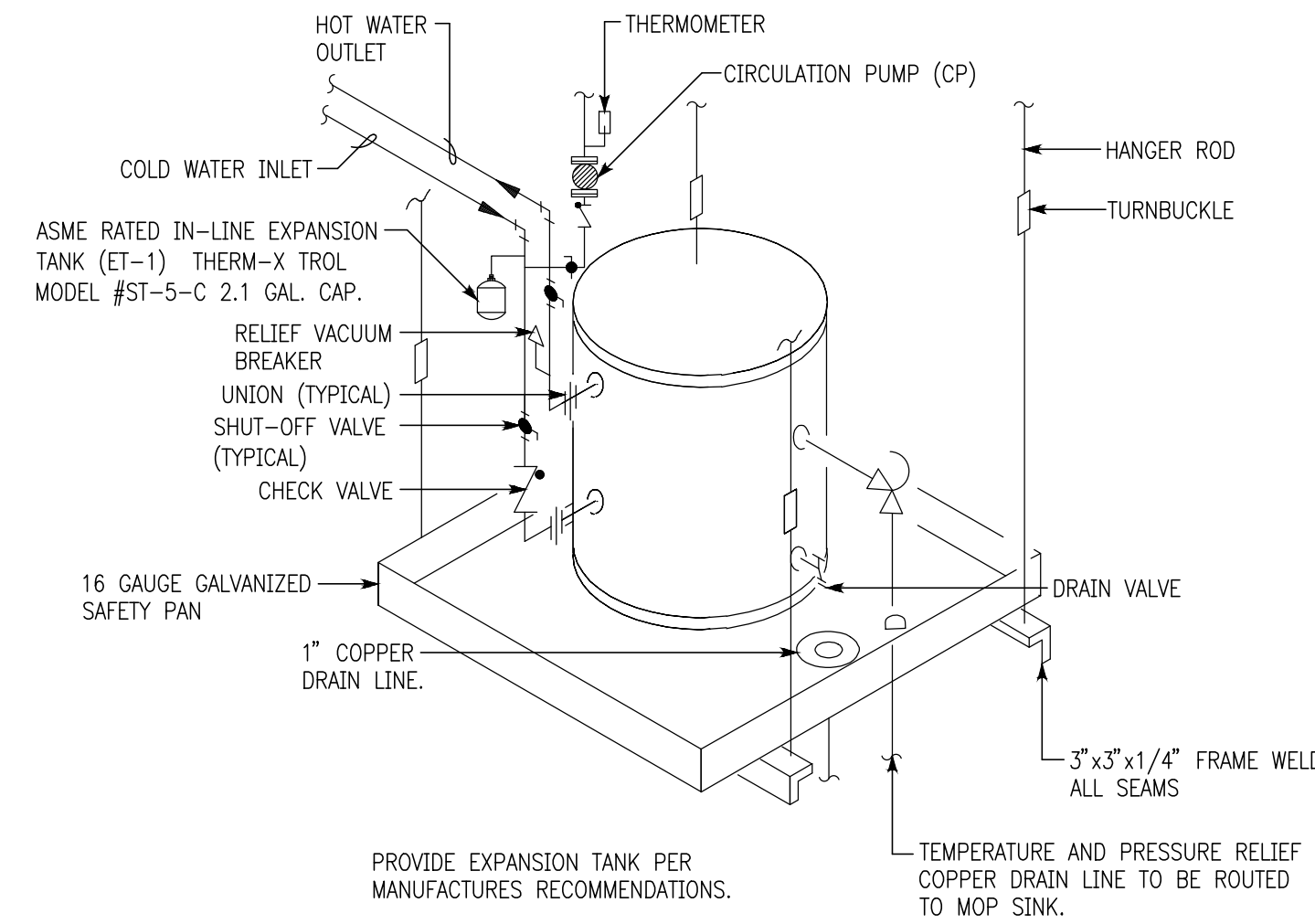


**3 TRAP PRIMER DETAIL**  
SCALE: NONE

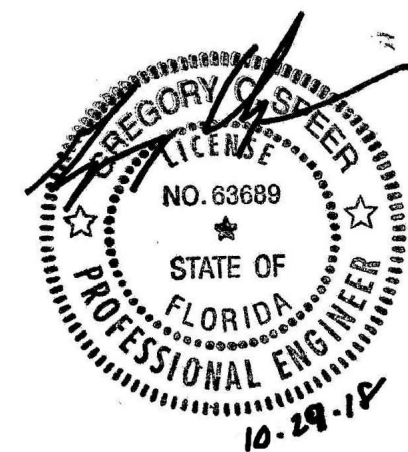


NOTES:  
1. PROVIDE ADEQUATE SUPPORT FOR MIXING VALVE. DO NOT SUPPORT MIXING VALVE WITH ASSOCIATED PIPING.  
2. HARD PIPE ALL SUPPLY LINES TO WITHIN 12\"/>

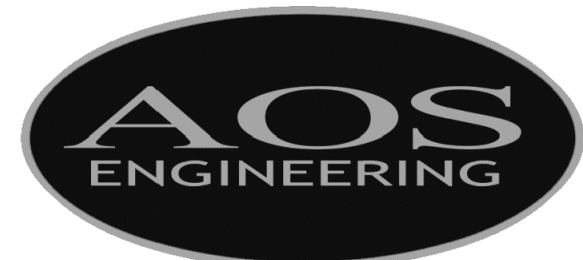
**2 THERMOSTATIC MIXING VALVE DETAIL**  
SCALE: NONE



**1 WH-1, SUSPENDED WATER HEATER DETAIL**  
SCALE: NONE



CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES



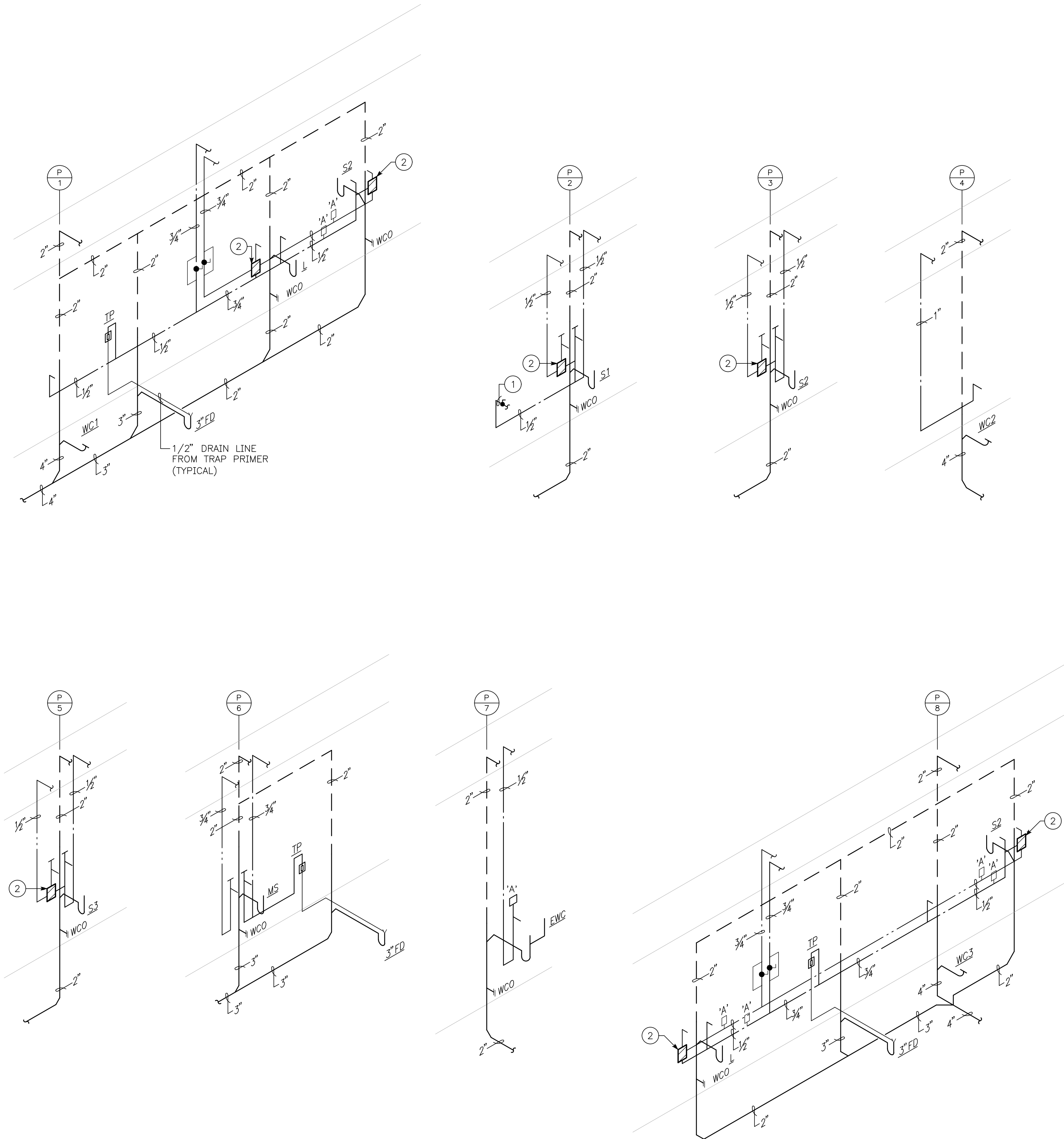
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P-3

CareSpot Urgent Care  
Lee Vista Center  
8132 Lee Vista Boulevard, Suite 102  
Orlando, Florida 32801

90% CONSTRUCTION DOCUMENTS

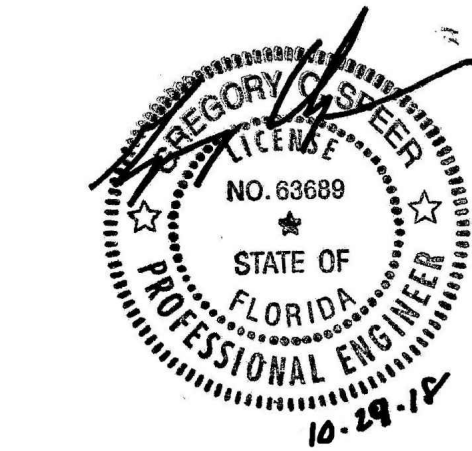


1 PLUMBING RISER DIAGRAMS  
SCALE: NONE

CONNECTION SCHEDULE				
TYPE OF FIXTURE	WASTE	VENT	CW	HW
WATER CLOSET (FLUSH VALVE)	4"	2"	1"	–
WATER CLOSET (TANK TYPE)	4"	2"	1/2"	–
LAVATORY	2"	2"	1/2"	1/2"
SINK	2"	2"	1/2"	1/2"
ELECTRIC WATER COOLER	2"	2"	1/2"	–
MOP SINK	3"	2"	3/4"	3/4"

SHOCK ABSORBERS		
MARK	FIXTURE UNITS	MANUFACTURE AND MODEL NUMBER
SA-A	1–11	JR SMITH–5005
SA-B	12–32	JR SMITH–5010
SA-C	33–60	JR SMITH–5020

- PLUMBING NOTES:
- 1 PROVIDE 1/2" C.W. LINE WITH WATTS LF007 DOUBLE CHECK BACKFLOW PREVENTOR TO SERVE REFRIGERATOR LOCATED IN RECESSED VALVE BOX. VERIFY LOCATION, ROUTE CONCEALED.
  - 2 IM, THERMOSTATIC MIXING VALVE EXPOSED UNDER FIXTURE.



CONTRACTOR SHALL COORDINATE  
MEP DRAWINGS WITH ALL OTHER  
DISCIPLINES



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PLUMBING  
RISER DIAGRAMS

Project No.	1821
Date	2018-10-29
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