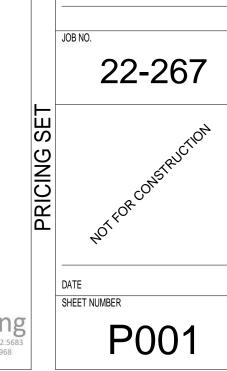
PLUMBING LEGEND			REVIATIONS	CODE REFERENCE (A		PLUMBING GENERAL NOTES	GENERAL NOTES
120 HOT WATER SUPPLY HOT WATER RETURN	DHW HWR	AAV AFF	AIR ADMITTANCE VALVE ABOVE FINISHED FLOOR	ORGANIZATIONS, AND INDIVID	ESTABLISHED STANDARDS OF THE FOLLOWING JAL STANDARDS NAMED SHALL BE FOLLOWED THE SAMI	1. LOCATIONS OF ANY WASTE AND SUPPLY PIPING SHOWN ARE ONLY APPROXIMATE. THE PLUMBING CONTRACTOR SHALL VERIFY THESE LOCATIONS BEFORE PROCEEDING WITH WORK.	1. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY MISUSE AND/OR MISREPRESENTATION OF THIS SET OF DOCUMENTS.
COLD WATER SUPPLY	HWR		AS HIGH AS POSSIBLE		EN HEREIN AND CONSTITUTE A PART OF THE TS EXCEPT WHERE OTHERWISE SPECIFIED:	2. ALL PLUMBING PIPE SHALL BE RUN STRAIGHT, SQUARE, AND LEVEL. NO SAGGING OF PLUMBING PIPING SHALL BE	2. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE USE OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL
SANITARY	SAN	BFP BF	BACK FLOW PREVENTOR BELOW FLOOR	FBC, BUILDING	FLORIDA BUILDING CODE 7TH EDITION	ACCEPTED.	MAKE THEMSELVES AWARE OF PROJECT CONDITIONS AND OWNER REQUIREMENTS PRIOR TO PROCUREMENT OF EQUIPMENT AND SERVICES. CHANGES IN PROJECT COST WILL NOT BE GRANTED DUE TO FIELD CONFLICTS AND OR
KITCHEN GREASE SANITARY	GW	BFF	BELOW FINISHED FLOOR		I LONIDA DOILDING CODE I III EDITION	<ol> <li>ALL DRAINAGE PIPING 3" AND LARGER SHALL HAVE A MINIMUM SLOPE O<sup>‡</sup> PER FOOT, PIPING 2-1/2" AND SMALLER SHALL HAVE A MINIMUM SLOPE OF<sup>1</sup>/<sub>4</sub>" PER FOOT UNLESS OTHERWISE NOTED.</li> </ol>	PROJECT CONDITIONS.
STORM STORM OVERFLOW	ST OF	BG BOD		FBC, PLUMBING	FLORIDA BUILDING CODE 7TH EDITION	<ol> <li>VENT PIPING SHOWN ON FLOOR PLAN IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.</li> </ol>	3. THIS SET OF DRAWINGS AND SPECIFICATIONS SHALL NOT BE CONSIDERED A SET OF CONSTRUCTION DOCUMENTS UNLESS A SIGNATURE AND DATE ARE AFFIXED TO THE DRAWINGS AND SPECIFICATIONS BY THE ENGINEER OF
VENT PIPING	VENT	— с — со	CONDENSATE CLEAN OUT	FBC, EXISTING BUILDING	FLORIDA BUILDING CODE 7TH EDITION	5. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.	RESPONSIBLE CHARGE OF THE GIVEN DISCIPLINE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED UNLESS EMBOSSED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ELECTRONIC COPIES.
	C	CWV	COMBINATION WASTE AND VENT	FBC, FUEL GAS	FLORIDA BUILDING CODE 7TH EDITION	6. VALVES AND FITTINGS SHALL BE OF THE SAME SIZE AS THE LINE IN WHICH THEY ARE INSTALLED.	4. CONFLICTS BETWEEN THIS SET OF DRAWINGS AND THE CONTRACT SPECIFICATIONS SHALL BE RESOLVED BY THE
ELBOW, TURNED DOWN ELBOW, TURNED UP	DN C	DCW DHW				7. ALL WATER SANITARY WASTE, VENT AND SUPPLY PIPING SHALL BE INSTALLED AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGE IN SIZING.	ENGINEER OF RECORD. THE CONTRACTOR DOES NOT HAVE THE AUTHORITY TO INTERPRET CONFLICTS AND RESOLVE ISSUES WITHOUT WRITTEN DIRECTION FROM THE ENGINEER OF RECORD.
ELBOW, 90°	f <sup>+</sup>	DN ECO	DOWN EXTERIOR CLEANOUT	FBC, ENERGY CONSERVATION	FLORIDA BUILDING CODE 7TH EDITION	8. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING HEIGHTS, DIMENSIONS AND	5. ANY CONFLICTS IN THE FIELD OR WITHIN THESE DOCUMENTS SHALL BE RECORDED AND PROVIDED TO THE ENGINEER OF
CONNECTION, TOP CONNECTION, BOTTEM		ECO EWC		FFPC	FLORIDA FIRE PREVENTION CODE, 2020 7TH EDITIO		RECORD ON THE CONTRACTOR'S STANDARD LETTERHEAD. WRITTEN DIRECTION RESOLVING CONFLICT WILL BE ISSUED BY THE ENGINEER OF RECORD.
CONNECTION, SIDE		EWH	ELECTRIC WATER HEATER EXISTING	NFPA 54	NATIONAL FUEL GAS CODE	9. PIPING SHALL NOT BE RUN ABOVE ELECTRICAL OR SERVER EQUIPMENT, COORDINATE WITH FIELD CONDITIONS.	6. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING OR OTHER WALL MOUNTED FURNISHINGS.
CAP, AIR AND WATER TIGHT	[	FC	FLOW CONTROL VALVE	NFPA 101	LIFE SAFETY CODE	10. DO NOT PENETRATE WALL FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES. WHERE ABSOLUTELY NECESSARY, ALL PIPES PENETRATING BEARING WALL OR FOOTING MUST BE SLEEVED AND IN A LOCATION APPROVED BY THE	<ol> <li>PLANS ARE DIAGRAMMATIC IN NATURE AND INTENDED TO SHOW THE GENERAL SCOPE OF THE WORK TO BE PERFORMED.</li> </ol>
VENT THROUGH ROOF RECIRCULATION PUMP	VTR (~	FCO FD	FLOOR CLEANOUT FLOOR DRAIN			STRUCTURAL ENGINEER. 11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES OR ALL FIXTURES	REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
CHECK VALVE / BACKFLOW PREVENTOR		GWH	GAS WATER HEATER HOSE BIBB	NFPA 101A	GUIDE ON ALTERNATIVE APPROACHES TO LIFE SAFETY	INCLUDED IN THESE CONTRACT DOCUMENTS.	8. DUE TO THE SMALL SCALE OF THE DRAWINGS, AND TO UNFORESEEN JOB CONDITIONS, ALL REQUIRED OFFSETS, TRANSITIONS AND FITTINGS MAY NOT BE SHOWN BUT SHALL BE PROVIDED AT NO ADDITIONAL COST.
BALL VALVE	ıбı	HD	HUB DRAIN	NFPA 101B	CODE FOR MEANS OF EGRESS FOR BUILDINGS AN	12. WALL BRACKETS, HANGERS, SUPPORTS, ETC. SHALL BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH THE BEST STANDARD PRACTICE OF THE TRADE AND AS PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED TO TRANSMIT LOADS	9. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND EXISTING EQUIPMENT TO ENSURE THE EQUIPMENT
FLOW CONTROL VALVE WATER METER	▲ 	HWR	HOT WATER RETURN INVERT ELEVATION		STRUCTURES	TO THE MAIN STRUCTURE WHERE REQUIRED. CPVC PIPING SUPPORTS SHALL BE 3'-0" ON CENTER FOR THRU 1" AND 4'-0" ON CENTER FOR 1-1/2" AND LARGER. ALL EXPOSED SUPPORTS SHALL BE HOT DIPPED GALVANIZED OR FIBERGLASS	SPECIFIED WILL WORK FOR THE SPACES PROVIDED. FINAL DIMENSIONS OF SYSTEMS SHOWN ON THESE PLANS SHALL BE COORDINATED IN THE FIELD. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROVIDING OFFSETS AND
PRESSURE REGULATOR	R	IM	ICE MAKER VALVE BOX	NFPA 900	BUILDING ENERGY CODE	REINFORCED "UNISTRUT" TYPE INCLUDING HARDWARE.	TRANSITIONS TO FIT IN SPACES PROVIDED AND AT NO COST TO THE OWNER.
SOLENOID SHUTOFF VALVE		IRP L	IN-LINE RECIRCULATION PUMP LAVATORY	ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	13. POWER WIRING, PANELS, TRANSFORMERS, AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL CONTROL WIRING, RELAYS, AND PANELS SHALL BE PROVIDED	BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED TO BRING EQUIPMENT
HOSE BIBB WITH VACUUM BREAKER AIR ADMITTANCE VALVE (BOD: STUDOR)	<u>HB-#</u> +C ∳⊂‡ AAV	MS DF	MOP SINK PLUMBING FIXTURE			AND INSTALLED BY THE PLUMBING CONTRACTOR. ALL MOTOR STARTERS REQUIRED FOR ANY PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.	INTO THE BUILDING AND EQUIPMENT ROOMS.
UNION		SAN	SANITARY WASTE	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	14. INSTALL ACCESS PANELS (MINIMUM 18x18) WHERE EQUIPMENT REQUIRING ACCESS RESIDES ABOVE AN INACCESSIBLE	EXPERIENCED, AND SKILLED IN THE TASKS INCIDENTAL TO THE PROJECT.
WALL CLEANOUT	wco lip-	SH SK	SHOWER STAINLESS STEEL SINK	ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	CEILING TYPE. 15. ALL CONCEALED VALVES, WATER HAMMER ARRESTORS, CLEANOUTS, ETC., CONCEALED IN WALLS SHALL BE PROVIDED	12. ALL WORK SHALL COMPLY WITH APPLICABLE OSHA AND EPS REGULATIONS AND GUIDELINES.
FLOOR CLEANOUT FLOOR DRAIN	FCO⊚—— <u>FD</u> Ø⊂—	TYP	TYPICAL	ADA	AMERICAN WITH DISABILITIES ACT	WITH AN ACCESS PANEL, ZURN MODEL ZN-1460 OR APPROVED EQUAL.	13. THE CONTRACTOR PERFORMING WORK ON THIS PROJECT WILL BE RESPONSIBLE FOR REGULARLY CLEANING THE WORK AREA OF ANY DEBRIS ASSOCIATED WITH THE WORK BEING PERFORMED. THE SITE SHALL BE CLEAN OF ALL
FLOOR SINK		TMV				16. ALL CONCEALED PIPING IN CHASE AREAS SHALL BE SUPPORTED WITH A PIPING SUPPORT SYSTEM, SUMNER POSIFIX, STAKFIX AND CHANNEL OR APPROVED EQUAL.	CONSTRUCTION DEBRIS AT THE COMPLETION OF THE JOB, BEFORE FINAL PAYMENT IS MADE. 14. REASONABLE PRECAUTIONS SHALL BE MADE FOR SAFETY AND HEALTH INCLUDING BUT NOT LIMITED TO WARNING SIGNS,
EXISTING SYSTEM PIPING	———— EX ###———	UR VTR	URINAL VENT THROUGH ROOF	UL	UNDERWRITERS LABORATORIES	17. PURGE, CLEAN, DISINFECT & TEST WATER PIPING SYSTEMS. SUBMIT REPORT & WATER SAMPLES TO A.H.J. USE	14. REASONABLE PRECAUTIONS SHALL BE MADE FOR SAFETY AND HEALTH INCLUDING BUT NOT LIMITED TO WARNING SIGNS, SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS.
TO BE DEMOLISHED DEMOLITION KEYNOTE	/////XX###/////// #)	WC	WATER CLOSET		S SHALL BE CONSIDERED A MINIMUM REQUIREMENT. THE IEVED FROM PROVIDING HIGHER GRADE MATERIALS,	PROCEDURE PRESCRIBED BY A.H.J., OR IF METHOD NOT PRESCRIBED USE AWWA C651 OR AWWA C652.	15. COORDINATE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. CONTRACTOR SHALL PROVIDE OWNER A FULL CONSTRUCTION SCHEDULE.
RENOVATION KEYNOTE	#>	— wco wн	WALL CLEAN OUT WALL HYDRANT	PRODUCTS AND WORKMANSH	IP WHICH MAY BE SPECIFIED WITHIN THESE DOCUMENTS	18. CONTRACTOR SHALL INSTALL WATER HAMMER ARRESTORS AT ALL QUICK CLOSING VALVES. REFER TO FPC 604.9.	16. CONTRACTOR SHALL BE HELD TO PROVIDED SCHEDULE. THEY SHALL BE RESPONSIBLE FOR PROVIDING SUFFICIENT
	$\otimes$	WHA	WATER HAMMER ARRESTER			ENERGY SYSTEMS - WATER HEATING	MANPOWER AND EQUIPMENT TO COMPLETE THE WORK IN THE TIME INDICATED.
LIMITS OF DEMOLITION ACCESS PANEL		WHY XT	FREEZE PROOF WALL HYDRANT EXPANSION TANK	LOCATION FLOOR (FCO)	TYPE         JR SMITH M#:           4028C	1. SERVICE WATER HEATING EQUIPMENT SHALL ALLOW LAVATORY OUTLET TEMPERATURES IN PUBLIC FACILITY	17. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS, THE LOCATION OF STORAGE SHALL BE RESTRICTED SPECIFICALLY TO THE AREA ALLOTTED BY THE OWNER.
MIN. INVERT ELEVATION	MIN. I.E. =			(CAST IRON BODY, BRONZE PLUG, NICKEL BRONZE TOP)		RESTROOMS SHALL BE LIMITED TO 110°F. CONTROL BY TMV.	18. ALL ITEMS INSTALLED UNDER THE SCOPE OF THIS PROJECT SHALL BE NEW, CLEAN, AND FREE OF DEFECTS.
	ALL MAY NOT APPLY			WALL (WCO) (CAST IRON BODY, BRONZE PLU	4532S JG	2. ALL HOT WATER SUPPLY AND RECIRCULATION PIPING IN THE HOT WATER SYSTEM SHALL BE INSULATED WITH MINIMUM 1IN OF INSULATION HAVING A CONDUCTIVITY OF 0.27 (BTU / IN / H X FT ^ 2 X °F).	19. IF DRAWING CHANGES ARE NEEDED FOR INSPECTION DUE TO FIELD CHANGES MADE BY THE CONTRACTOR WITHOUT PRIOR APPROVAL OF THE ENGINEER AND AGREED UPON TERMS THEN THE CONTRACTOR SHALL PAY HOURLY RATES TO
SANITARY WASTE AND VENT				STAINLESS STEEL COVER) EXPOSED (TCO)	HORIZONTAL 4400C		THE ENGINEER OF RECORD FOR MAKING NECESSARY CHANGES.
<ol> <li>GRAVITY FLOW SYSTEMS HAVE SPACE PRICE</li> <li>SLOPING PIPES SHALL BE STARTED AT THE</li> </ol>				(CAST IRON BODY, BRONZE PLUG, THREADED CAP)	VERTICAL 4512S		20. SUPPORTS, HANGERS, WIRING, AND PIPING SHALL BE INSTALLED IN A NEAT AND ORDERLY APPEARANCE.
<ol> <li>SLOPING PIPES SHALL BE STARTED AT THE</li> <li>ALL SOIL, WASTE, AND VENT PIPING SHALL</li> </ol>		FLORIDA BI	JILDING CODE AND LOCAL PERMITTING	EXTERIOR CLEANOU	T SCHEDULE	POTABLE WATER	21. ALL ROOF EQUIPMENT SHALL BE SECURED TO STRUCTURE TO RESIST A 130 MPH WIND LOAD.
AUTHORITIES REQUIREMENTS.					TYPE     JR SMITH M#:	1. ALL POTABLE WATER PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH THE PLUMBING CODE AND VERIFIED BY WRITTEN	<ul> <li>22. PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.</li> <li>23. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL PARTITIONS LABELED WITH A SPECIAL LISTING ON THE</li> </ul>
4. THE GENERAL CONTRACTOR SHALL VERIF				ONE WAY (CAST IRON BODY, BRONZE	4233L	REPORT FROM THE STATE BOARD OF HEALTH.	ARCHITECTURAL PLANS. THIS INCLUDES FIRE, SMOKE ACOUSTICAL AND OTHER UL WALL OR CEILING ASSEMBLIES.
5. SANITARY AND VENT PIPING SHALL BE COL	DLLECTED AND TERMINATED AT A POINT S			PLUG, CAST IRON TOP TAPER THREAD)		2. ALL PLUMBING PIPING SHALL BE CONCEALED IN FLOORS, WALLS, OR ABOVE CEILINGS AS APPLICABLE EXCEPT AT IMMEDIATE FIXTURE.	24. STRUCTURAL PENETRATIONS INCLUDING BUT NOT LIMITED TO WALL, FLOOR OR BEAM SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. ALL BEAM SLEEVES AND REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE
RESPONSIBLE FOR FIRST 12" OF CONE			TOT TOT, MECHANICAL CONTRACTOR			3. PROVIDE HANGERS FOR SUPPLY PIPING AT A MAXIMUM SPACING OF 3 FEET.	FURNISHED AND INSTALLED BY THE CONTRACTOR.
6. INVERT SHOWN ON PLANS IS AN ESTIMATE				TWO WAY (CAST IRON BODY, BRONZE	4233L	4. PROVIDE WATER HAMMER ARRESTORS AT EACH FIXTURE, QUICK CLOSING VALVE, OR BATTERY OF FIXTURES WHERE	25. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY THE MATERIAL SUPPLIES AND
DIMENSIONS AND OTHER FACTORS THAT M COORDINATE THIS WITH THE SITE CONNECTOR	CTIONS BUT IT IS THE RESPONSIBILITY OF	THE CONT	RACTOR TO VERIFY ACTUAL SITE	PLUG, CAST IRON TOP TAPER THREAD)		REQUIRED AND PER FBC-P 604.9. ARRESTORS SHALL BE FACTORY FABRICATED. SIZED PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I WH-201. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER HAMMER ARRESTORS	MANUFACTURERS.
CONNECTION INVERT AND ITS CONNECTIO OF THE EOR PRIOR TO COMMENCING WITH			HALL BE BROUGHT TO THE ATTENTION	WATER HAMMER AR		AS SPECIFIED.	26. VALUE ENGINEERING OR CHANGES TO PLANS MUST BE APPROVED BY THE ENGINEER OF RECORD AND RESUBMITTED THROUGH THE BUILDING DEPARTMENT PRIOR TO BEING INSTALLED.
7. WHEN REQUIRED BY CODE PLUMBING CO	ONTRACTOR SHALL PROVIDE AND INSTALI	_ AN AIR GA	P SERVING INDIVIDUAL FIXTURES,	FIXTURE UNITS 1-11 JR SMITH M#: 5005	12-3233-6061-113114-154155-33050105020503050405050	(EXTENSION STEM ON INSULATED HOT WATER AND TEMPERED HOT WATER), BRONZE BODY WITH THREADED OR SOLDER	27. PRICING AND INSTALLATIONS SHALL BE BASED ON FULLY CODE COMPLIANT CONSTRUCTION. ADJUSTMENTS NEEDED TO SATISFY CODE REQUIREMENTS SHALL BE
DEVICES, OR APPLIANCES. 8. ALL SANITARY WASTE LINES SHALL BE INS <sup>-</sup>	STALLED UNDER THE FLOOR SLAR LINE F	SS OTHFRW	ISE NOTED. VENT PIPING SHALL BE			ENDS. 6. DURING CONSTRUCTION ALL PRESSURE PIPING SYSTEMS SHALL RECEIVE A HYDROSTATIC TEST OF 1-1/2 TIMES THE	PROVIDED AT NO ADDITIONAL COST TO THE OWNER. BRING ANY DISCREPANCIES TO EOR.
INSTALLED ABOVE CEILING AND IN WALLS	UNLESS NOTED OTHERWISE.			SUBMITTAL REQUIRE		<ul> <li>DURING CONSTRUCTION ALL PRESSURE PIPING SYSTEMS SHALL RECEIVE A HYDROSTATIC TEST OF 1-1/2 TIMES THE</li> <li>OPERATING PRESSURE FOR A PERIOD OF NOT LESS THAN EIGHT (8) HOURS. NO LEAKAGE EVIDENT DURING THE TEST PERIOD</li> <li>IS ALLOWED. NOTIFY THE ARCHITECT AND ENGINEER OF RECORD 24 HOURS IN ADVANCE OF ANY TESTING SO THAT THEY</li> </ul>	
9. FLOOR DRAIN TRAPS SHALL BE DEEP SEAL REQUIRE THEM. VERIFY AND INCLUDE IN B					TAMP ON SUBMITTAL DOCUMENTS CERTIFIES THAT THE PLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS.	MAY OBSERVE IF THE NEED IS CALLED FOR. PIPING SYSTEMS, EQUIPMENT, SPECIALTIES, PUMPS, TRAPS, VALVES, STRAINERS, ETC. SHALL BE INSPECTED AND TESTED FOR PROPER FUNCTIONALITY AT THE CONCLUSION OF CONSTRUCTION AND ANY	PLUMBING SHEET INDEX
FURNISHED WITH 1/2" TRAP PRIMER CONN USE SELF SEAL RUBBER TYPE THAT CONF	IECTION TO NEAREST DCW WATER SUPPL	Y LINE, WIT	H VALVE CONFORMING TO ASSE1018.		L NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS F THE CONTRACT DOCUMENTS BY THE	LEAKAGE OR MALFUNCTIONS SHALL BE REPAIRED.	SHEET NUMBER SHEET NAME
10. SIZE AND LOCATION OF CLEANOUTS SHAL				ARCHITECT/ENGINEER'S	APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, JBMITTAL ITEMS UNLESS THE CONTRACTOR HAS	7. PROVIDE ISOLATION AND ASSE1024 DUAL CHECK BACKFLOW PREVENTION BEFORE ANY BEVERAGE CONNECTION, CARBONATED DEVICE(ASSE1022), STERILIZATION EQUIPMENT, OR ICE MACHINE SUPPLY, PER FBC-P608.3 AND 608.17.	P001       PLUMBING ABBREVIATIONS, SYMBOLS & LEGEND         P101       FLOOR PLAN - PLUMBING - DRAIN & VENT DEMOLITION
REGULATIONS.				SPECIFICALLY INFORMED	DEMITTAL TIEMS UNLESS THE CONTRACTOR HAS THE ARCHITECT/ENGINEER IN WRITING OF SUCH DF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN	8. MOUNT HOSE BIBBS 24" ABOVE FINISHED GRADE, UNLESS OTHERWISE NOTED.	P102     FLOOR PLAN - PLUMBING - PRESSURE - DEMOLITION       P103     FLOOR PLAN - PLUMBING - OVERALL RENOVATION
11. PIPING SPECIFICATIONS 11.1. CONDENSATE, DOMESTIC WASTE, AN		PVC/D\\\/ע	IPF WITH SOI VENT WELD DOMMACE	WRITTEN APPROVAL TO	JF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT ISIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS	9. ALL PRESSURE PIPING SHALL BE INSTALLED ABOVE CEILING AND IN WALLS UNLESS NOTED OTHERWISE.	P601 PLUMBING SCHEDULES & DETAILS
FITTINGS CONFORMING TO ASTM D-26 11.2. VENT PIPING SHALL BE MINIMUM OF 2	665.	. , , , , , , , , , , , , , , , , , , ,	WITT SOLVENT WEED DRAINAGE		S, OR SIMILAR SUBMITTAL ITEMS BY THE	n 10. BELOW GRADE	P901       RISER DIAGRAM - PLUMBING - DRAIN & VENT         P902       RISER DIAGRAM - PLUMBING - PRESSURE
11.3. PIPING INSTALLED WITHIN A RETURN A	AIR PLENUM SHALL BE CAST IRON WITH	HUB AND SI	PIGOT FITTINGS OR PVC PIPING WITH		APPROVAL THEREOF. PPLY TO THE ARCHITECT SUBMITTALS ON THE FOLLOWING	10.1. PIPING SHALL BE COATED WITH HEAVY TROWEL GRADE LION OIL CO. NOKORODE SEALKOTE OR APPROVED EQUAL. G 10.2. UNDERGROUND SERVICE PIPING SHALL BE COPPER TUBING.	
1/2" THICK FIRE WRAP INSULATION SEA11.4.UNLESS NOTED OTHERWISE, ASSUME		ONS ARE W	YE TYPE.	WHERE APPLICABLE (ALL	MAY NOT APPLY):		
12. EXPOSED PIPING				3.1. PLUMBING FIXTURE 3.2. PIPE AND FITTINGS		<ul> <li>11. PIPING SPECIFICATIONS</li> <li>11.1. ABOVE GRADE DOMESTIC COLD WATER SUPPLY PIPING SHALL BE HIGH IMPACT CPVC WITH SOLVENT WELD FITTINGS.</li> </ul>	
12.1. ALL EXPOSED PIPING SHALL BE COOF IF ITS ROUTING IS DIFFERENT THAN W	VHAT IS SHOWN ON THESE PLANS.			3.3. INSULATION MATER 3.4. PLUMBING ACCESS	IALS	11.1.1. ABOVE GRADE DOMESTIC COLD WATER SUPPLY PIPING SHALL BE HIGH IMPACT CPVC WITH SOLVENT WELD FITTINGS. 11.1.1. PROVIDE TRANSITION FITTINGS AS REQUIRED TO INSTALL VALVES, FIXTURE STOPS, EQUIPMENT AND OTHER COMPONENTS.	
12.2. ALL EXPOSED PIPING SHALL BE INSTA DIRECTED BY ARCHITECT.	ALLED NEAT AND ORDERLY. PAINT TO MA	ATCH ADJAC	SENT ARCHITECTURAL SURFACE OR AS	3.5. VALVES		11.1.2. ALL PIPES AND FITTINGS SHALL CONFORM TO ASTM 1784.	
				11.2. PIPING LOCATED IN RETURN AIR PLENUMS SHALL BE TYPE L HARD COPPER TUBE OR CPVC WITH 1" THICK FIRE WRAP INSULATION SEALED TO PROVIDE FS/SD=25/50.			
						11.3. EXPOSED PIPING SHALL BE TYPE L HARD COPPER TUBE PAINTED TO MATCH ADJACENT ARCHITECTURAL SURFACE.	
						12. INSULATION SPECIFICATIONS	
						12.1. INSULATE COLD WATER SUPPLY PIPING IN EXTERIOR WALLS AND ATTIC AS WELL AS ALL HOT WATER WITH 1" IMCOLOCK PRE-SLIT, PRE-GLUED INSULATION. INSULATE FITTINGS WITH MITERED CUT PIECES OF IMCOLOCK, 1" INSULATION.	
						<ul> <li>12.2. THERE SHALL BE NO EXPOSED HOT WATER SUPPLY PIPING EXCEPT WITHIN MECHANICAL OR EQUIPMENT ROOMS.</li> <li>12.3. PIPING UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT WITH FACTORY</li> </ul>	
						12.3. PIPING UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT WITH FACTORY FABRICATED SEAMLESS MICROBIAL PVC RESIN INSULATION.	
						12.3. PIPING UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT WITH FACTORY	
						<ul> <li>12.3. PIPING UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT WITH FACTORY FABRICATED SEAMLESS MICROBIAL PVC RESIN INSULATION.</li> <li>13. EXPOSED PIPING</li> </ul>	
						<ol> <li>PIPING UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT WITH FACTORY FABRICATED SEAMLESS MICROBIAL PVC RESIN INSULATION.</li> <li>EXPOSED PIPING</li> <li>ALL EXPOSED PIPING SHALL BE COORDINATED WITH OTHER ABOVE-CEILING SYSTEMS SAND ROUTED TO AVOID CONFLICTS EVEN IF ITS ROUTING IS DIFFERENT THAN THAT WHICH IS SHOWN ON THESE PLANS.</li> </ol>	

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Robert E. Gelhardt II, P.E., State of Florida, Professional Engineer, License No. FL 77568. This Item has been digitally signed and sealed by Robert E. Gelhardt II, P.E. on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.







SANITARY DEMOLITION NOTES	
1. CONTRACTOR SHALL FIELD VERIFY EXISTING PLUMBING PRIOR TO COMMENCEMENT OF WORK.	DA
2. DEMOLISH PLUMBING PIPING AND FIXTURES AS INDICATED ON FLOOR PLAN WITH CAP AND SEAL, AIR AND WATER TIGHT.	SID N
3. CONTRACTOR SHALL COORIDNATE WITH OWNER FOR DISPOSAL OF DEMOLISHED FIXTURES.	-OF
☑ DEMOLITION KEYED NOTES	IS I
1 CONTRACTOR SHALL FIELD VERIFY UNDERGROUND SANITARY ELEVATION INVERT FOR CONNECTION IN RENOVATION. BRING ANY ISSUES TO EOR.	Ц. ND
2 CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF SANITARY RISER BEFORE START OF DEMOLITION WORK. EXACT LOCATION WAS NOT ABLE TO BE VERIFIED DURING SURVEY.	T A SSE
3 EXISTING LOCKER ROOM TO BE DEMOLISHED. CONTRACTOR SHALL DEMOLISH EXISTING SHOWER FIXTURE. DEMOLISH ASSOCIATED SANITARY PIPING BACK TO MAIN LINE, CAP AND SEAL.	RS <sup>-</sup> HA
	TENANT IMPROVEMENTS FOR DOAH - I FLOOR OF 2001 DRAYTON DRIVE, TALL





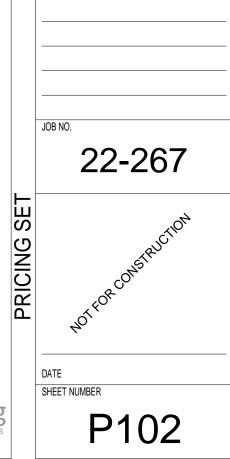


	PRESSURE DEMOLITION NOTES	
1.	CONTRACTOR SHALL FIELD VERIFY EXISTING PLUMBING PRIOR TO COMMENCEMENT OF WORK.	D∢
2.	DEMOLISH PLUMBING PIPING AND FIXTURES AS INDICATED ON FLOOR PLAN WITH CAP AND SEAL, AIR AND WATER TIGHT.	SID ND
3.	CONTRACTOR SHALL COORIDNATE WITH OWNER FOR DISPOSAL OF DEMOLISHED FIXTURES.	ЙĞ
X	DEMOLITION KEYED NOTES	S Ш
	DEMOLISH PIPING UP TO MAIN LINE. RECONNECT WITH NEW LINE IN RENOVATION PHASE. CAP AND SEAL EXISITNG CONNECTED FIXTURES WATER AND AIR TIGHT DURING CONSTRUCTION.	UN E E
	EXACT LOCATION OF PRESSURE RISER WAS NOT ABLE TO BE VERIFIED. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION BEFORE START OF DEMOLITION WORK.	A T SS
-	EXISTING SHOWER FIXTURE TO BE DEMOLISHED. DEMOLISH ASSOCIATED DCW AND DHW PIPING BACK TO MAIN LINE, CAP AND SEAL AIR AND WATER TIGHT.	IRS HA
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PRESSURE - PLUMBING -DEMOLITION AN FLOOR PL

TENANT IMPROVEMENTS FOR DOAH - F FLOOR OF 2001 DRAYTON DRIVE, TALL

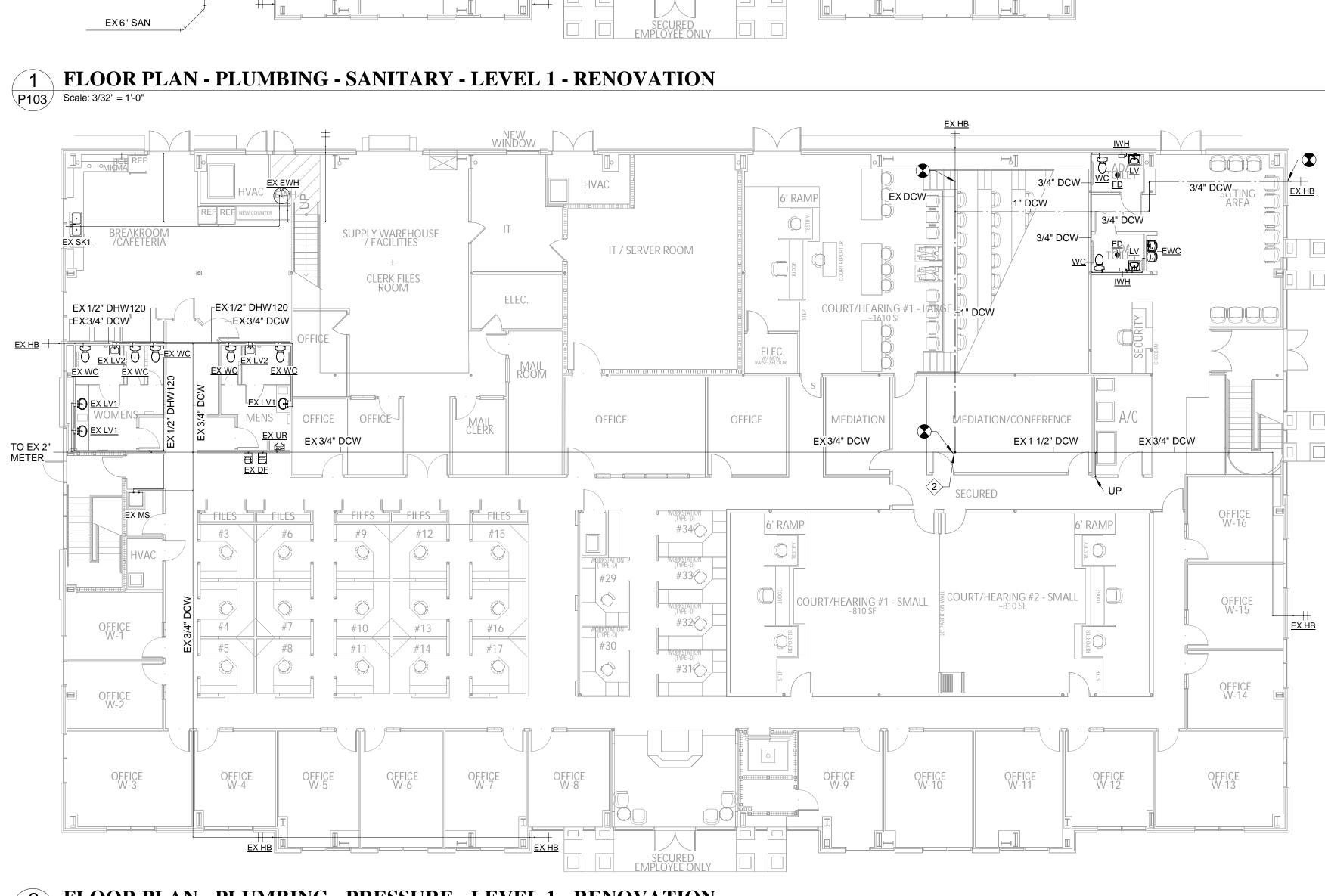






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**2** FLOOR PLAN - PLUMBING - PRESSURE - LEVEL 1 - RENOVATION P103 Scale: 3/32" = 1'-0"



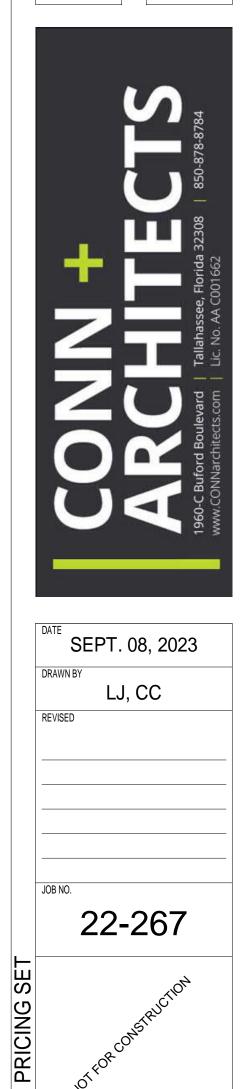


S	SANITARY RENOVATION NOTES
1.	SANITARY SEWER SYSTEM HAS BEEN DESIGNED & ROUTED WITH COORDINATION OF STRUCTURAL FOOTERS & FOUNDATION PLANS. THESE DOCUMENTS SHOULD BE FIELD VERIFIED PRIOR TO INSTALLATION TO ASSURE COMPLIANCE. COORDINATE SLAB CUT WITH ARCHITECT DEMO SHEETS.
2.	CONTRACTOR SHALL FIELD VERIFY EXISTING SANITARY PRIOR TO COMMENCEMENT OF WORK.
3.	CONTRACTOR SHALL RECONNECT NEW PIPING TO EXISTING PIPES BELOW GRADE AT PROPER ELEVATION INVERT.
	PRESSURE RENOVATION NOTES
1.	WATER PIPING MATERIAL & FITTINGS FROM PLUMBING FIXTURES ON ALL FLOORS SHALL BE EITHER A) COPPER (AS SPEC'D IN PLUMBING MATERIAL SCHEDULE), B) CPVC PRODUCT OR C) UPONOR "PEX-A" OR APPROVED EQUAL.
2.	ALL HOT WATER & HOT WATER RETURN SYSTEM SHALL BE INSULATED AS INDICATED IN PLUMBING MATERIAL SCHEDULE.
3.	ALL FAUCETS AT PUBLIC & EMPLOYEE LAVATORIES & SINKS SHALL BE EQUIPPED WITH TEMPERATURE & PRESSURE VALVES AS REQUIRED BY ASME-A112.1070-2014, ASSE-1016-2011, ASSE-1017-2014 & ASSE-1070-2014 USING THERMOSTATIC MIXING VALVES; HOT WATER DELIVERED TO MIXING VALVES FROM WATER HEATERS SHALL BE SUPPLIED AT 120F DEGREES IN ORDER TO CONTROL BACTERIA; ADJUSTMENTS MUST BE MADE AT FIXTURES TO ASSURE TEMPERED WATER COMPLIANCE AS SET FORTH BY GOVERNING CODES.
4.	ALL FAUCETS SHALL HAVE FACTORY BUILT-IN TEMPERATURE LIMIT TO PREVENT SCALDING.
≪ F	RENOVATION KEYED NOTES
1	CONTRACTOR SHALL ROUTE SANITARY INTO EXISTING SANITARY MAIN. COORDINATE ELEVATION INVERT.
2	CONTRACTOR SHALL TRENCH AND PROVIDE 1" CW LINE BELOW FINISHED FLOOR. CONNECT EXISTING HOSEBIBS TO NEW CW LINE AS SHOWN.
3	CONNECT TO EXISTING VENT SYSTEM, MINIMUM 2" VENT CONNECTION SIZE.

SECOND FLORIDA

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TENANT IMPROVEMENTS FOR DOAH - FIRST FLOOR OF 2001 DRAYTON DRIVE, TALLAHAS

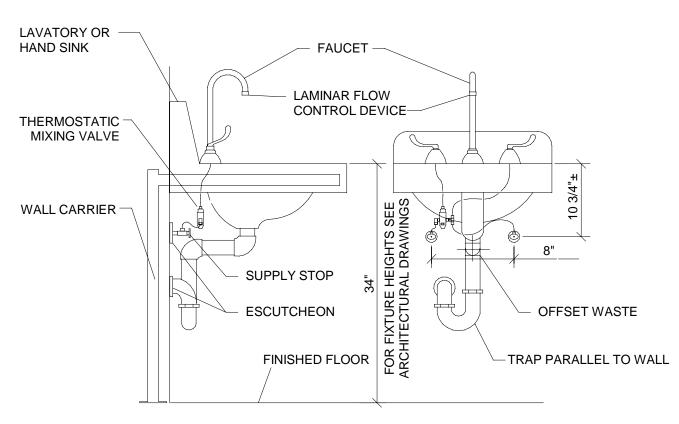




DATE SHEET NUMBER

P103

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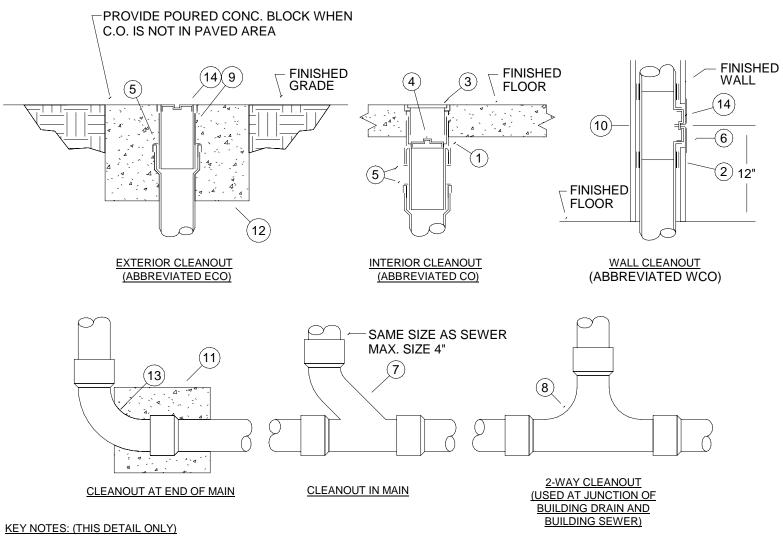
KNEE CLEARANCE PER SECTION 306 ADA-ABA AG.

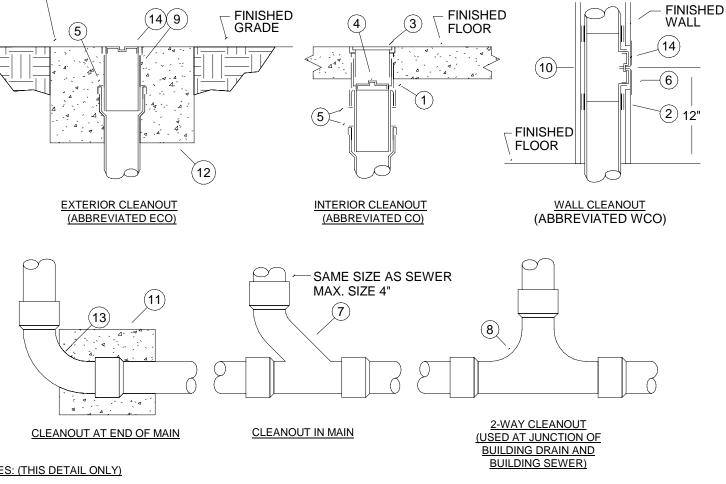
NOTES: 1. ALL HAND SINKS AND LAVATORIES REQUIRED TO MEET A.D.A. GUIDELINE SHALL HAVE ADA COMPLIANT UNDER-SINK PROTECTION. SUPPLY, WASTE AND VALVES MUST ALL BE COVERED. 2. ALL HAND SINKS AND LAVATORIES REQUIRE THERMOSTATIC MIXING VALVES ASSE 1070 CERTIFIED AND SET TO 110°F.

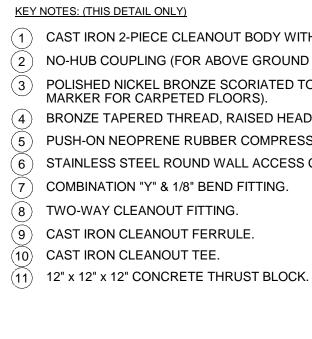


			PLUN		URE CALCUL	ATION	
Mark	QUANTITY	CWFU	TOTAL CWFU	HWFU	TOTAL HWFU	TWFU	COMBINED
EWC	1	0.25	0.25	0	0	0.25	0.25
FD	2	0.25	0.5	0	0	0.25	0.5
IWH	2		0		0		0
LV	2	1.5	3	1.5	3	2	4
WC	2	5	10	0	0	5	10
Grand total	9		13.75		3		14.75

			PLUMBING FIXTURE SCHEDULE		
MARK	FIXTURE TYPE	MFG/ MODEL	FIXTURE DISCRIPTION	CW	HW
EWC	ADA DUAL HEIGHT DRINKING FOUNTAIN	ELKAY/LZSTL8WSLK	WALL MOUNT DUAL HEIGHT ADA ELECTRIC WATER COOLER WITH BOTTLE FILLER. FILTERED, REFRIGERATED. CHILLING CAPACITY OF 8 GPH OF 50 DEGREE DRINKING WATER. ELECTRONIC BOTTLE FILLER SENSOR WITH ELECTRONIC FRONT AND SIDE PUSHBAR ACTIVATION. MCGUIRE 17 GA FULLY CAST BRASS P-TRAP AND TAILPIECE. MCGUIRE ANGLE SUPPLY STOPS AND BRAIDED STAINLESS STEEL SUPPLY, CHROME PLATED ESCUTCHEON PLATE WITH SET SCREW. PROVIDE BACKFLOW PREVENTER AND WALL CARRIER.	1/2"	0"
FD	FLOOR DRAIN	WATTS/FD-100-A	ADJUSTABLE FLOOR DRAIN, HUB CONNECTION, 6" DIAMETER STRAINER, NICKEL BRONZE STRAINER TOP, PVC BODY, TRAP PRIMER.	0"	0"
IWH	INSTANTANEOUS WATER HEATER	EEMAX/SPEX35	EEMAX FLOWCO 2 GPM, 3.5 KW, 240 VOLT ELECTRIC POINT OF USE TANKLESS WATER HEATER.	3/8"	3/8"
LV	LAVATORY	AMERICAN STANDARD/0356.028	AMERICAN STANDARD LUCERNE #0356.028 BASIN, 20-1/2"x18-1/4" x 12-1/8", VITREOUS CHINA, WALL HUNG, INSTALL WITH WALL CARRIER, FRONT OVERFLOW, SELF-DRAINING FAUCET LEDGE, CONTOURED BACK AND SIDE SPLASH SHIELD.	1/2"	1/2"
wc	FLOOR MOUNT FLUSH TANK WATER CLOSET	AMERICAN STANDARD/215AA104	WATER CLOSET, ADA, FLOOR MOUNT, FLUSH TANK, VITREOUS CHINA, SIPHON JET FLUSHING ACTION, ELONGATED RIM, MIN. 17" RIM HEIGHT, A.F.F AND A 12" ROUGH IN. 1.28 GPF.	3/4"	0"









### ADA FLUSH TANK WATER CLOSET DETAIL 2 P601 No Scale

WATER

CLOSET

GRAB BAR BY OTHERS

∕ SEAT

<u>WC</u>

\_ CHROME PLATED SHUT-OFF VALVE

17-19" TOP OF SEAT TO FINISHED

FLOOR

S	IIICAL
P601/	No Scale

) FU		VFU	TOTAL WFU		
	0.5		0.5		
	3		6		
			0		
	1		2		
	4		8		
			16.5		
V	SAN	Imag	je		
-	1 1/2"				
T	3"				
3"	0"	€ Eem €	ax		

.3"

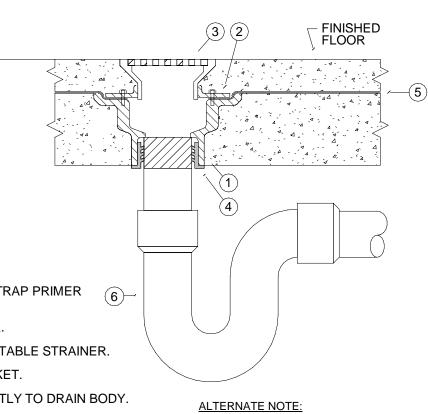
(1) CAST IRON FLOOR DRAIN BODY WITH 1/2" TRAP PRIMER (6)-(2) CAST IRON INVERTIBLE CLAMPING COLLAR. POLISHED NICKEL BRONZE 2-PIECE ADJUSTABLE STRAINER. PUSH-ON NEOPRENE COMPRESSION GASKET. WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY. 6 3" DEEP SEAL P-TRAP

KEY NOTES: (THIS DETAIL ONLY)



- (1) CAST IRON 2-PIECE CLEANOUT BODY WITH ADJUSTABLE HEAD. NO-HUB COUPLING (FOR ABOVE GROUND APPLICATION ONLY). POLISHED NICKEL BRONZE SCORIATED TOP (PROVIDE CARPET
- BRONZE TAPERED THREAD, RAISED HEAD CLEANOUT PLUG.
- PUSH-ON NEOPRENE RUBBER COMPRESSION GASKET.
- STAINLESS STEEL ROUND WALL ACCESS COVER.

# **3 TYPICAL CLEANOUT DETAIL**



USE SURE SEAL M#: SS3009V INLINE FLOOR DRAIN TRAP SEAL RUBBER SEALING GASKET.

(12) 24" x 24" x 12" CONCRETE PAD FLUSH WITH GRADE.

(13) LONG SWEEP ELBOW.

## **4** FLOOR DRAIN (CONCRETE FLOOR) DETAIL



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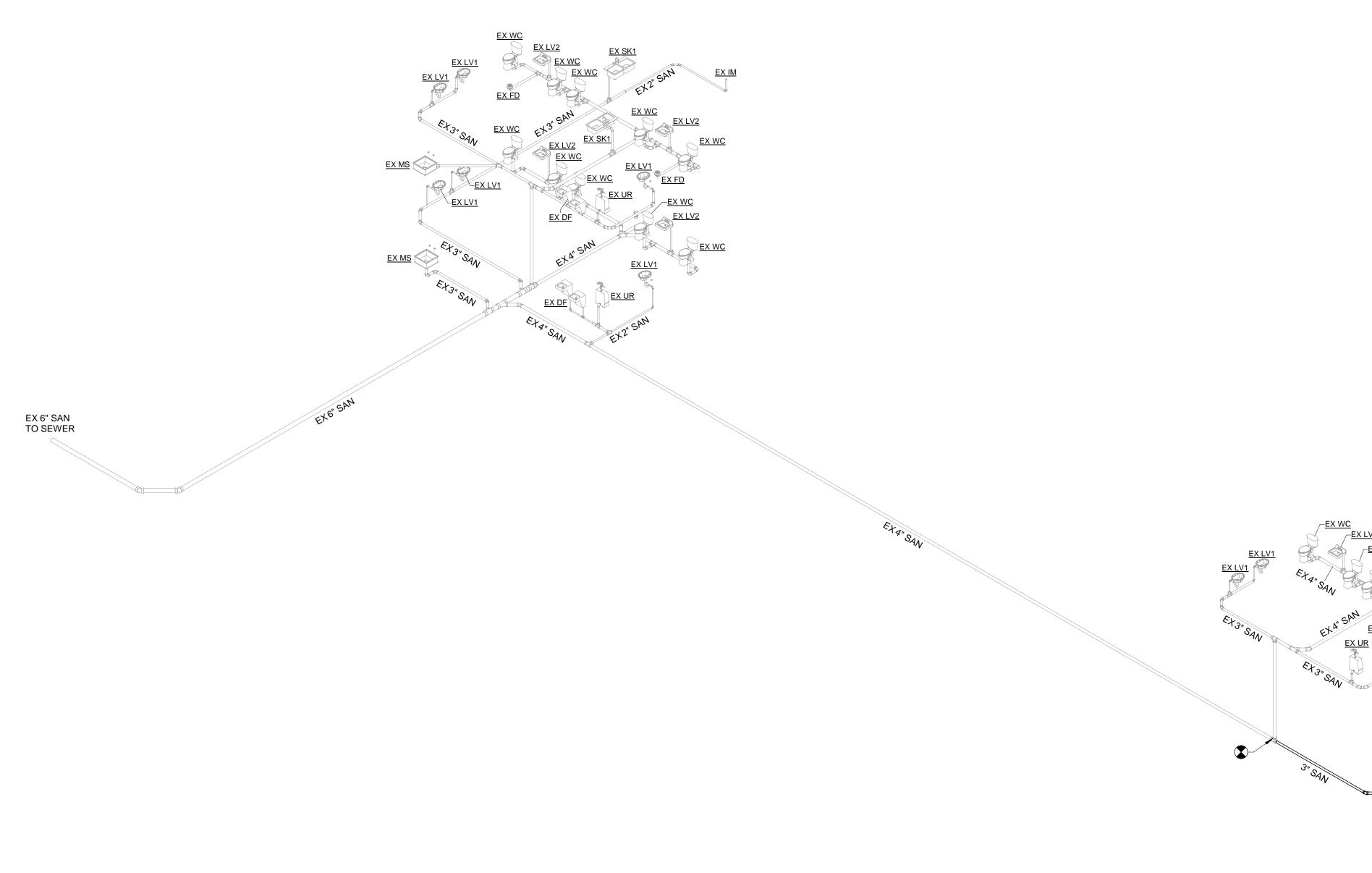
FOR DOAH DRIVE, TAL TENANT IMPROVEMENTS I FLOOR OF 2001 DRAYTON (14) BRONZE TAPERED THREAD, RECESSED HEAD CLEANOUT PLUG.

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TENANT IMPROVEMENTS FOR DOAH - FIRST AND SECOND FLOOR OF 2001 DRAYTON DRIVE, TALLAHASSEE, FLORIDA



PRICING SE<sup>-</sup>

ohn Knox Road p.850.222.5683 assee, FL 32303 FL CA 28968

