FIRESTOP S	CHEDU	JLE OF THROUGH PENETRA	ATION SYSTEMS. BASIS (OF DESIGN: HILTI, INC.		ABBREVIATIONS		
TVDE OF DENETDANT	F-RATING	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	- HILTI PRODUCTS	AC	ABOVE CEILING	
TYPE OF PENETRANT	(HR)	·	AF	ABOVE FLOOR				
CIRCULAR BLANK OPENINGS	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090		CD COO CD CAO EC ONE MAY CEC DI	AFF AHAP	ABOVE FINISHED FLOOI AS HIGH AS POSSIBLE	
(0000-0999)	2	F-A-0006, C-AJ-0055, C-AJ-0090 C-AJ-0055, C-AJ-0090 CP 680, CP 618, FS-O	CP 680, CP 618, FS-ONE MAX, CFS- BL	BF BG	BELOW FLOOR			
METAL PIPES OR CONDUIT	1	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020	W-L-1054, W-L-1058, W-L-1164, W-L-1506	CP 680, FS-ONE MAX, CP 606, CFS-		BELOW GRADE CAN WASH	
(1000-1999)	2	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020, W-J-1248	W-L-1054, W-L-1058, W-L-1164, W-L-1506	S SIL GG, CFS-D, MINERAL WOOL	CWS	COLD WATER SUPPLY	
NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (2000-2999)	1	F-A-2053, F-A-2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 680, CP 643N, MINERAL WOOL,	DN E	COMBINATION WASTE & DOWN DISH WASHER	
	2	F-A 2053, F-A 2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2371, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 644, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL CG, CP 648	EX EWC FCWS	EXISTING ELECTRIC WATER COOL FILTER COLD WATER SU	
INSULATED PIPES	1	F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091, C-AJ-5090, C-AJ-5048	C-AJ-5090, C-AJ-5091, C-AJ 5061, W-J-5042	W-L-5028, W-L-5029, W-L-5047	FD FS GI		FLOOR DRAIN FLOOR SINK GREASE INTERCEPTOR	
(5000-5999)	2	F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091, C-AJ-5090	C-AJ-5090, C-AJ-5091, C-AJ-5061, W-J-5042	W-L-5028, W-L-5029, W-L-5047	- CP 680, FS-ONE MAX, MINERAL WOOL	HB HD HP	HOSE BIBB HUB DRAIN HORSEPOWER	
	1	C-AJ-8099, C-AJ-8056, C-AJ-8143	C-AJ-8099, C-AJ-8056, W-J-8007, C-AJ-8143	W-L-1095, W-L-8013		HWS HWR	HOT WATER SUPPLY HOT WATER RECIRCULA	
MIXED PENETRANTS (8000-8999)	2	C-AJ-8099, C-AJ-8056, C-AJ-8143, C-AJ-8252	C-AJ 8099, C-AJ-8056, W-J-8007, C-AJ-8143, C-AJ-8252	W-L-1095, W-L-8013	FS-ONE MAX, CFS-BL, CP 620, CP 618	IE IMB LV	INVERT ELEVATION ICE MAKER HOOK-UP BO	

- 1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
- 2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
- 3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM

WATER HAMMER ARRESTERS

- COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
- 5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURES: HILTI, RECTORSEAL, 3M, STL

APPLICABLE CODES

SANITARY

ROOF DRAIN

RAIN LEADER

SOIL STACK

VENT THROUGH ROOF

WATER HAMMER ARRESTER

WATER CLOSET

WALL CLEANOUT

WALL HYDRANT

TYPICAL

URINAL

VENT

PVENT

RD

SK

TYP

WHA

PIPING AND FITTINGS

 \rightarrow

VALVES

CAP

ELBOW TURNED UP

TEE, OUTLET UP

NEW PIPE

TEE, OUTLET DOWN

EXISTING PIPE TO REMAIN

— GREASE LADEN WASTE PIPING

─ 140° HOT WATER SUPPLY PIPING

PRIMARY RAIN LEADER

SECONDARY RAIN LEADER

STORM DRAIN PIPING

GAS PIPING

HOSE BIBB

WALL HYDRANT

FLOOR DRAIN - SEE DETAIL D/P501

FLOOR SINK - SEE DETAIL G/P501

CLEAN OUT - SEE DETAIL F/P501

WALL CLEAN OUT - SEE DETAIL F/P501

EXISTING PIPE TO BE REMOVED

SANITARY, SOIL OR WASTE PIPING

ELBOW TURNED DOWN

NOT APPLICABLE

OVERFLOW DRAIN

COMBINATION WASTE & VENT

ELECTRIC WATER COOLER

FILTER COLD WATER SUPPLY

HOT WATER RECIRCULATION

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

a. STANDARD 15 SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019 b. STANDARD 55 THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY c. STANDARD 62.1 VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2016 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL d. STANDARD 90.1

a. BOILER AND PRESSURE VESSEL CODE - 2013 RULES FOR CONSTRUCTION OF POWER BOILERS RULES FOR CONSTRUCTION OF HEATING BOILERS SECTION IV b. ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2016

3. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).

g. NFPA 72

UNIFORM FIRE CODE - 2018 (FLORIDA EDITION) a. NFPA 1 b. NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM - 2016 STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATERc. NFPA 25 BASEDFIRE PROTECTION SYSTEMS - 2017

d. NFPA 30 FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE - 2018 e. NFPA 54 NATIONAL FUEL GAS CODE - 2018 NFPA 70 NATIONAL ELECTRICAL CODE - 2017

h. NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS - 2018 i. NFPA 90B STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR

NATIONAL FIRE ALARM AND SIGNALING CODE - 2016

CONDITIONING SYSTEMS - 2018 NFPA 91 STANDARD FOR THE INSTALLATION OF BLOWER AND EXHAUST SYSTEMS - 2015 k. NFPA 96 STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS - 2017

NFPA 101 LIFE SAFETY CODE - 2018 (FLORIDA EDITION)

2020 FLORIDA BUILDING CODE, 7TH EDITION

- a. BUILDING CODE EXISTING BUILDING CODE
- c. ENERGY CONSERVATION CODE
- d. MECHANICAL CODE e. PLUMBING CODE
- f. FUEL GAS CODE g. ACCESSIBILITY CODE
- FLORIDA STATUTES

 a. CHAPTER 471 b. CHAPTER 533.80 BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE -

ENFORCEMENT

FLORIDA ADMINISTRATIVE CODE FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS

FLORIDA ELEVATOR SAFETY CODE c. CHAPTER 61G15-34 RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE

DESIGN OF MECHANICAL SYSTEMS d. CHAPTER 69A-3 FIRE PREVENTION - GENERAL PROVISIONS e. CHAPTER 69A-47 UNIFORM FIRE SAFETY STANDARDS FOR ELEVATORS

f. CHAPTER 69A-60 THE FLORIDA FIRE PREVENTION CODE RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER

PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR.

MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS,

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

PLUMBING NOTES

ORDINANCES, RULES, AND REGULATIONS.

- INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE AND LOCAL PLUMBING CODES. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- ALL MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE SPECIFICATIONS THAT REQUIRE PIPING OR DUCT CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.
- PRESSURE TEST ALL WATER PIPING SYSTEMS AT 150% OF NORMAL WORKING PRESSURE. ALL COPPER PRESSURE PIPE SHALL BE SOLDERED ENTIRELY WITH LEAD-FREE SOLDER.
- INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE. ALL FLOOR DRAINS AND FLOOR SINKS SHALL HAVE MINIMUM 3" DRAIN LINES. DEEP SEAL TRAPS AND AUTOMATIC TRAP PRIMERS (MANUFACTURER: PRECISION PLUMBING PRODUCTS). WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH PDI-WH201.
- ALL HOSE BIBBS, SILL COCKS AND/OR FAUCETS WITH HOSE CONNECTIONS SHALL HAVE A VACUUM BREAKER. GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE STARTED AT HIGHEST POINT POSSIBLE.
- 10. ALL WATER PIPING SUBJECT TO FREEZING SHALL BE FREEZE PROTECTED. THIS INCLUDES ALL PIPING IN UNHEATED SPACES SUCH AS EQUIPMENT ROOMS, CHASES, ATTICS, SOFFITS, CRAWL SPACES, EXTERIOR WALLS, CEILINGS, ETC
- 1. DO NOT LOCATE FLOOR DRAINS/SINKS UNDER EQUIPMENT. COORDINATE EXACT LOCATION OF DRAINS/SINKS WITH EQUIPMENT FURNISHED.
- 12. ALL PLUMBING VENTS SHALL BE 2" MINIMUM, UNLESS NOTED OTHERWISE. 13. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE OR OTHER DEVICE REQUIRING SERVICE
- IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANEL SHALL BE FIRE
- RATED IF INSTALLED IN A FIRE RATED CEILING OR WALL. 14. A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE, SOIL STACK OR RAIN LEADER,
- WHETHER SHOWN ON THE DRAWINGS OR NOT. 5. ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED
- WITH A RELIEVING ARCH, OR A PIPE SLEEVE. SLEEVE SHALL BE BUILT INTO THE FOUNDATION WALL. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.

MINIMUM REQUIRED SLOPE

ALL DR	AINAGE PIPIING
PIPE SIZES, INCHES	MIN. SLOPE INCHES/FOOT
2"	1/4"
3"	1/8"
4"	1/8"
6"	1/8"
8"	1/16"
10"	1/16"

ENT PIPING SHALL BE RUN AT A MAXIMUM SLOPE OF 1/2" PER FOOT.

GENERAL NOTES

- DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS. HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION,
- HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR
- OR OMISSION ON HIS PART. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
- 5. CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES. 6. $\,$ ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES
- ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.

8. COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A

- COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE
- STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.

10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE

- 1. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS
- 12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION. 3. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS
- COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES". 14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF
- SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
- 15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL WALL MOUNTED FURNISHINGS.
- 16. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS. 17. PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.
- 18. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS SHALL BE TO STRUCTURAL SYSTEMS ONLY.
- 19. ALL ROOF MOUNTED EQUIPMENT SHALL BE SECURED TO STRUCTURE TO RESIST A 130 MPH WIND
- 20. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
- 21. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
- 22. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
- 23. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
- 24. THE BUILDING WILL REMAIN OCCUPIED DURING CONSTRUCTION. THE OWNER WILL MAKE ALL REASONABLE EFFORTS TO ASSIST THE CONTRACTOR IN COMPLETING THE WORK. COORDINATE ALL WORK WITH THE OWNER'S DESIGNATED REPRESENTATIVE.
- 25. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
- 26. REMOVE AND REPAIR OR RE-INSTALL EXISTING CEILING ASSEMBLIES AS REQUIRED. REPLACE ANY ASSEMBLIES DAMAGED OR SOILED DURING CONSTRUCTION. . PROVIDE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE. CARPET AND
- FINISHES DURING THE COURSE OF CONSTRUCTION. TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED. 28. SEAL ALL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES
- WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED. 29. ALL EXISTING EQUIPMENT IS THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER. DISPOSE OF ALL MATERIALS AND EQUIPMENT SHOWN TO BE REMOVED
- IN ACCORDANCE WITH LOCAL REGULATIONS. 30. ITEMS REMOVED AND SAVED FOR REUSE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL IDENTIFY ANY DEFECTIVE MATERIALS PRIOR TO DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO MATERIALS AT PROJECT COMPLETION
- 31. RELOCATE, AS REQUIRED, ANY EXISTING WIRE AND CONDUIT WHICH INTERFERES WITH INSTALLATION OF THE NEW WORK.

NOT IDENTIFIED PRIOR TO DEMOLITION.

GAS FUEL NOTES

PD101

P402

P501

32. REMOVE ALL ELECTRICAL EQUIPMENT (CONDUIT, POWER & CONTROL WIRING, DISCONNECT

SWITCHES, STARTERS, ETC.) RELATED TO EQUIPMENT BEING REMOVED OR REPLACED. 33. CONTRACTOR SHALL COMPLY WITH "TRENCH SAFETY ACT" (FLORIDA STATUTE 553 PART III) AND OSHA STANDARD 29 CFR 1926.650 SUBPART P FOR ALL UTILITY TRENCHES IN EXCESS OF 5 FEET DEEP. CONTRACTOR SHALL INDICATE WITHIN HIS BID RESPONSE A REFERENCE TO THE TRENCH

SAFETY STANDARD AND A SEPARATE LINE ITEM COST OF COMPLIANCE WITH STANDARD.

INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE, FLORIDA FUEL GAS CODE,

FSU TURNBULL CONFERENCE CENTER RENOVATIONS

REV DATE DESCRIPTION

ARCHITECTURE

LICENSE #s AA C000409 IB C000153

GRAPHICS

PLANNING INTERIORS

ELLIOTT MARSHALL INNES P.A. (EMI architects)

251 E. 7TH AVENUE TALLAHASSEE FL 32303

11" x 17" SHEETS ARE PLOTTED AT 1/2

THE SCALE NOTED ON THESE DRAWINGS

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Scott T. Craig Jr., P.E. #73938

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Signature.

electronic copies.

Scott T. Craig, Jr., State of Florida,

Professional Engineer, License No.

H2E PROJECT No. 23.049

2. TI JI 3. IN 4. G	ND LOCAL PLUMBING CODES. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE ONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN. EST, INSPECT, AND PURGE NATURAL GAS PIPING ACCORDING TO NFPA 54 AND AUTHORITIES HAVING URIDICTION. ISTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE. RAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE TARTED AT HIGHEST POINT POSSIBLE.					
	DRAWING INDEX		PROJECT PHASE CONSTRUCTION DOCUMENTS			
001	GENERAL NOTES, LEGENDS & SCHEDULES SCHEDULES	DATE 18 OCT	OBER 2023		DRAWN BY SAO	
003	SCHEDULES	PROJECT	NO		CHECKED BY	
D101 D102		74000			STC	
101	FIRST FLOOR PLAN - NEW CONSTRUCTION	SHEET TIT	LE			

GENERAL NOTES, LEGENDS & SCHEDULES

FIRST FLOOR PLAN - DEMOLITION SECOND + MEZZ FLOOR PLANS - DEMOLITION FIRST FLOOR PLAN - NEW CONSTRUCTION SECOND + MEZZ FLOOR PLANS - NEW CONSTRUCTION **ENLARGED PLANS ENLARGED PLANS** GAS RISER DIAGRAM SUPPLY RISER DIAGRAMS SANITARY WASTE & VENT RISER DIAGRAM DETAILS SHEET NO REV NO DETAILS P001

--0 **GROUPED FIXTURES** TABLE 1 - FOR GROUPED FIXTURES **-**P.D.I. UNITS AA A B C D E F --- FIXTURE UNITS 1-3 1-11 12-32 33-60 61-113 114-154 155-330 RULE 1 - MULTIPLE FIXTURES NOT EXCEEDING 20 FT. UP TO 20 FT. MAIN OR RISER— TYPICAL BRANCH LINE ____ ---- SANITARY VENT PIPING USING TABLE 1, SIZE UNIT "X" FOR THE TOTAL FIXTURE UNITS OF BRANCH — - — - COLD WATER SUPPLY PIPING RULE 2 - MULTIPLE FIXTURES EXCEEDING 20 FT - - HOT WATER SUPPLY PIPING -TYPICAL BRANCH LINE — - - - HOT WATER RECIRCULATION PIPING └─MAIN OR RISER SELECTION METHOD: SIZE UNIT "X" AND UNIT "Y" SO THE SUM OF THE RATINGS IS EQUAL TO OR GREATER THAN TOTAL FIXTURE UNITS OF BRANCH LINE HB 🛂 COMBINATION OF RULE 1 AND RULE 2 MAIN OR RISER WH 🚣 WHA # • UP TO 20 FT. FD 🌑 → POINT OF RELIEF -BRANCH 1 ∠BRANCH 2 (Z) FS 👜 WCO c++ CO e USING TABLE 1, SIZE UNIT "X" FOR BRANCH 1 BASE ON RULE 1, SIZE UNITS "Y" AND "Z" BASED ON RULE 2.

							i	RUNS						
TABLE 2 - WATER PRESSURES UP TO 65 P.S.I.G.							TABLE 2A - WA	TER PR	RESSUR	ES 65 I	P.S.I.G.	TO 85 P	.S.I.G.	
	P.D.I.	WATE	R HAN	MER A	ARRES	TERS			P.D.I.	WATE	R HAN	MMER A	ARRES	TERS
LENGTH	NOMINAL PIPE DIAMETER					LENGTH		NOMIN	IAL PII	PE DIAI	METER			
OF PIPE (FT.)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"		OF PIPE (FT.)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
25	Α	Α	В	С	D	Е		25	В	В	В	D	Е	F
50	Α	В	С	D	Е	F		50	В	С	С	Е	F	CF
75	В	С	D	AB	F	EF		75	С	D	D	F	CF	FF
100	С	D	Е	F	CF	FF		100	D	Е	Е	CF	EF	EFF
125	С	D	F	AF	EF	EFF		125	D	Е	Е	DF	FF	BFFF
150	D	Е	F	DF	FF	FFF		150	Е	F	F	FF	DFF	FFFF
	•					•								
NOTE:						ONC	D	UN OF PIPINO	_					
LOCATE WHA	A AS (CLOSE	AS		<u></u> ı	LONG	К	ON OF PIPING	,					

POSSIBLE TO POINT OF CLOSURE

OF PIPE AND LENGTH OF RUN.

USING EITHER TABLE 2 OR 2A (BASED ON SYSTEM PRESSURE), SIZE UNIT "X" BASED ON SIZE

GENERAL NOTE:
PROVIDE WATER HAMMER ARRESTERS IN ACCORDANCE WITH STANDARD PDI-WH201

BUTTERFLY VALVE (WITH QUARTER TURN HANDLE) | Maa d CHECK VALVE MEASUREMENTS AND CONTROLS PRESSURE GAUGE AND ISOLATION VALVE MEMORY STOP FLOW CONTROL VALVE (NUMBER INDICATES FLOW IN GPM)

WATER HAMMER ARRESTER - SEE DETAIL THIS SHEET

BALL VALVE (WITH QUARTER TURN HANDLE)

	SOLENOID VALVE	
R⊘	GAS REGULATOR	PIPE SIZES, IN
M	METER (WATER OR GAS)	2"
		3"
MISCELLA	4"	
	HINGED CEILING ACCESS PANEL	6"
MIN. I.E. = 36" B.F.F.	MINIMUM INVERT ELEVATION BELOW REFERENCE ELEVATION	- 8" 10"
X -	POINT OF CONNECTION, NEW TO EXISTING	NOTES: 1. COMBINATION WASTE AND VENT
~	POINT INDICATED LIMIT OF DEMOLITION	
	1 HOUR FIRE RATED WALL	

TELUNIDING FIX LUKE SCHEDUL	IG FIXTURE SCHEDUL	BING FIXTURE	
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FIXTURE		A.D.A.	MOUNTING			ROUGH-IN	I PIPE SIZES			ACCESSORIES (SEE SCHEDULE)
DESIGNATION	FIXTURE DESCRIPTION	COMPLIANT	METHOD	HEIGHT (A.F.F.)	COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN	MANUFACTURER AND MODEL NUMBER	
WC-3	FLUSH VALVE WATER CLOSET, HIGH EFFICIENCY (1.28 - 1.6 GPF), VITREOUS CHINA, SIPHON JET FLUSHING ACTION, ELONGATED RIM, 1-1/2" TOP SPUD, MIN. 2" BALLPASS TRAPWAY. COLOR: WHITE.	YES	WALL	RIM: 17"	1"	N/A	4"	4"	AMERICAN STANDARD: 2257.101 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.28-AUTO-B
LV-1	LAVATORY, 20"x18", VITREOUS CHINA,3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), ANTI-SPLASH RIM AND HIGH BACK. COLOR: WHITE.	YES	WALL	RIM: 34"	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-AUTO-B DR-LV-C TR-LV

NOTES:

- SUPPLY STOPS: CHROME-PLATED-BRASS, ONE-QUARTER TURN, BALL-TYPE OR COMPRESSION VALVE WITH INLET MATCHING SUPPLY PIPING.
- FLEXIBLE CONNECTIONS: ASME A112.18.6 BRAIDED- OR CORRUGATED-STAINLESS STEEL, FLEXIBLE HOSE RISER.
- SUPPORT CARRIERS: ASME A112.6.1M TYPE 1 (URINALS) OR TYPE 2 (CONCEALED ARM FOR LAVATORIES) WITH RECTANGULAR STEEL UPRIGHTS, COUPLING, SEAL, AND MOUNTING HARDWARE.
- A.D.A. LAVATORIES & SINKS: PROTECT DRAIN AND SUPPLY LINES WITH "TRAP WRAP" OR APPROVED EQUAL.
- EXTRA MAINTENANCE MATERIALS: FURNISH TWO (2) FLUSHOMETER-VALVE REPAIR KITS FOR EACH TYPE OF FLUSHOMETER VALVE INSTALLED.

PLUMBING FIXTURE ACCESSORY SCHEDULE

ACCESSORY TAG	ACCESSORY DESCRIPTION	MANUFACTURER AND MODEL NUMBER
DR-LV-C	1-1/4" CHROME PLATED BRASS OFFSET DRAIN WITH TAIL PIECE. PROVIDE A PERFORATED FLAT CHROME BRASS STRAINER.	ELKAY: LKAD174 OR APPROVED EQUAL
FCT-LV-0.5-AUTO-B	SINGLE INLET, DECK MOUNTED FAUCET, A.D.A. COMPLIANT, 4" CENTERSET, POLISHED CHROME PLATED BRASS, LEAD FREE, BATTERY POWERED, SENSOR OPERATED, 0.5 GPM AERATOR WITH PRESSURE COMPENSATING FLOW CONTROL.	AMERICAN STANDARD: 605B.205 OR APPROVED EQUAL
FV-1.28-AUTO-B	EXPOSED AUTOMATIC WATER CLOSET FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 1.28 GPF, BATTERY POWERED, SENSOR OPERATED, 1" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6065.121.002 OR APPROVED EQUAL
SEAT-OPN-FRT	EXTRA HEAVY DUTY, OPEN FRONT, ELONGATED SEAT, WITHOUT COVER, SOLID PLASTIC, SELF-SUSTAINING CHECK TYPE HINGE. HINGES SHALL MATCH SEAT COLOR. STAINLESS STEEL POSTS FITTED WITH STAINLESS STEEL WASHERS AND NUTS.	BEMIS: 1655SSCT OR APPROVED EQUAL
TR-LV	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/4" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	ELKAY: LK500 OR APPROVED EQUAL

			14//	A O.T.E.			SU	PPLY				
FIXTURE TYPE		QUANTITY	VVA	ASTE	C	OLD	H	IOT	TC	TOTAL		
			UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL		
	LAVATORY (COLD WATER)	1	1	1	2	2			2	2		
	MOP SERVICE BASIN	1	2	2	2.25	2.25	2.25	2.25	3	3		
	WATER CLOSET (FLUSH VALVE)	1	6	6	10	10			10	10		
	FLOOR DRAIN	21	2	42								
	REFRIGERATOR / ICE MAKER	2			1	2			1	2		
	KITCHEN FIXTURES	1 22			71							
	DISHWASHER	2	15	30			6	12	6	12		
	TRIPLE POT SINK	3	4	12	6	18	6	18	8	24		
	PREP SINK	5	4	20	2.5	12.5	2.5	12.5	3	15		
	HAND SINK	5	2	10	2.5	12.5	2.5	12.5	3	15		
	KETTLE	1			2	2	2	2	2	2		
	FLOOR SINK	13	2	26								
OTAL FIXTURE	EUNITS			149		61.25		59.25		85		
OOMESTIC WA	FER DEMAND (GPM)					54.5		12.9		62.8		



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UCENSE #s AA C000409 IB C000153

NOTE: 11" x 17" SHEETS ARE PLOTTED AT 1/2 THE SCALE NOTED ON THESE DRAWINGS



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FSU TURNBULL CONFERENCE CENTER RENOVATIONS

REV DATE DESCRIPTION PROJECT PHASE

CONSTRUCTION DOCUMENTS

DRAWN BY SAO 18 OCTOBER 2023 PROJECT NO CHECKED BY

SHEET TITLE

SCHEDULES

REV NO P002

STC

SUMP PUMP						
DESIGNAT	ION		SP-B.2			
	CAPACITY	GPM	50			
	TOTAL HEAD	FT.	15			
	MOTOR HORSEPOWER	HP	1/2			
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1			
MANUFAC ⁻	TURER	,	LITTLE GIANT			
MODEL	10ECH-CIA-RF					
DETAIL RE	B/P501					

OIL SE	OIL SEPARATOR SCHEDULE						
DESIGNATION	N		OS -B.1				
	FLOW RATE	GPM	50				
	DEPTH	INCH	24				
	TRAP SEAL	INCH	18				
	PIPE SIZE	INCH DIA	3				
	DIMENSIONS (LENGTH X WIDTH)	INCH X INCH	22 X 29				
	MANUFACTURER		JOSAM				
	MODEL		60508B				
	DETAIL REFERENCE		H/P501				
NOTEC:							

PROVIDE EXTENSION (HEIGHT AS NEEDED TO EXTEND TO GRADE LEVEL).

PLUMBING KITCHEN ROUGH-IN SCHEDULE (EQUIPMENT BY OTHERS)

SEE DIVISION 11 FOR MORE INFORMATION ON FIXTURES AND ACCESSORIES.

PROVIDE 4"x3" REDUCING BUSHINGS.

PROVIDE BOLTED, GASKETED, NON-SKID COVER.

ITEM NO	EQUIPMENT CATEGORY	HOT WATER SIZE (IN)	HOT WATER AFF (IN)	COLD WATER SIZE (IN)	COLD WATER AFF (IN)	GAS SIZE (IN)	MBTUH	GAS AFF (IN)	PLUMBING REMARKS
100	SINK, HAND, WALL MOUNT	1	12	1	12				
105.1	PRE-RINSE FAUCET, WALL MOUNT	1/2	12	1/2	12				
201.2	PRE-RINSE FAUCET, WALL MOUNT	1/2	12	1/2	12				
202.1	PRE-RINSE FAUCET, WALL MOUNT	1/2	12	1/2	12				
203	WAREWASHER, UNDERCOUNTER	1/2	12						
205	WAREWASHER, RACK CONVEYOR	1/2	12	1/2	12				
225	MOP SINK CABINET	1/2	12	1/2	12				
401	OVEN-STEAMER, COMBINATION, GAS			3/4	12	3/4	109.2	12	IN FROM WATER FILTER
				3/4	12				
401.1	OVEN-STEAMER, COMBINATION, GAS			3/4	48	1/2	68.2	48	
				3/4	48				
402	FRYER, DEEP FAT, GAS W/FILTER					3/4	80	12	
403	KETTLE, STEAM JACKETED, GAS, TILT					3/4	100	12	
404	RNAGE, HEAVY DUTY, GAS					1 1/4	242	12	
421.1	PRE-RINSE FAUCET, WALL MOUNT	1/2	12	1/2	12				
500.1	EVAPORATOR, WALK-IN COOLER								RUN DRAIN LINE TO FLOOR SINK
500.3	EVAPORATOR, WALK-IN FREEZER								RUN DRAIN LINE TO FLOOR SINK
600	FRYER, DEEP FAT, GAS W/FILTER					1	160	12	
601	GRIDDLE, HEAVY DUTY, GAS					3/4	120	12	
602	BROILER, UNDER-FIRED, GAS, COUNTER					3/4	136	12	
604	RANGE, RESTAURANT, GAS					3/4	215	12	
604.1	SALAMANDER BROILER, GAS					3/4	50	12	
605	OVEN, CONVECTION, GAS					3/4	100	12	
611	TABLE, HOT FOOD, ELECTRIC			1/2	12				
802	ICE MAKER W/O BIN			3/8					IN FROM WATER FILTER
803	FILTER, WATER			3/4					
804	SCALE INHIBITOR			3/4					IN FROM WATER FILTER
823	DISPENSER, ICE TEA/ICE COFFEE			1/4					IN FROM WATER FILTER
824	COFFEE MAKER, AUTOMATIC			3/8					IN FROM WATER FILTER
825.1	PRE-RINSE FAUCET, WALL MOUNT	1/2	12	1/2	12				
831	FAUCET, WALL MOUNT W/ SPRAYER	1/2	12	1/2	12				
902	UNDERBAR HANDSINK W/SOAP AND TOWEL DISPENSERS	1/2	12	1/2	12				
906	ICE MAKER W/ BIN			1/2	12				IN FROM WATER FILTER

HIGH CAPACITY GAS FIRED STORAGE WATER HEATERS

ESIGNATION			WH-2.3, 2.4
	FUEL TYPE		NATURAL GAS
	STORAGE	GAL	100
	INPUT CAPACITY	MBTUH	300
	FIRING TYPE		MODULATING
	ENTERING WATER TEMPERATURE	°F	70
	LEAVING WATER TEMPERATURE	°F	140
	TEMPERATURE RISE	°F	70
	RECOVERY RATE	GPH	490
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1
	MINIMUM CIRCUIT AMPACITY	AMPS	7
	MAXIMUM OVERCURRENT PROTECTION	AMPS	15
IANUFACTUREF	{		PVI
ODEL NUMBER			30 L 100A-GCL
ETAIL REFEREN	NCE		A/502
IOTES:			

CIRCULATOR PUMPS

PROVIDE LOW WATER CUT-OFF.

DESIGNATION	1		C-2.1	
	SERVICE		DHW	
	CAPACITY	GPM	4	
	TOTAL DYNAMIC HEAD	FT.	27	
	SHUT-OFF HEAD	FT.	35	
PUMP SEAL MOTOR SPEED			MECHANICAL	
		RPM	3,250	
	MOTOR HORSEPOWER	HP	1/8	
	MOTOR WINDING		FULL	
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1	
	NOTES		1	
MANUFACTUR	TACO			
MODEL NUMBER			009-SF5	
DETAIL REFERENCE			A/P502	
NOTES:			1	

- PROVIDE TACO 00 TIMER/AQUASTAT WITH 7 DAY DIGITAL PROGRAMMABLE TIMER. SET TIMER FOR ALLOWABLE OPERATION DURING OCCUPIED HOURS AND AQUASTAT TO CYCLE PUMP.
- PLUMBING CONTRACTOR TO COORDINATE INSTALLATION OF TIMER AND AQUASTAT WITH ELECTRICAL CONTRACTOR AND INSTALL PER MANUFACTURER INSTRUCTIONS.

THERMOSTATIC MIXING VALVES

DESIGNATION	I		TMV-2.1	
	APPLICATION		HIGH / LOW	
	SET-POINT	°F	140	
	MINIMUM FLOW	GPM	0.5	
	MAXIMUM FLOW	GPM	25	
	PSI	10		
	RECIRCULATED SYSTEM		YES	
	ASSE COMPLIANCE		1017	
MANUFACTURER			LAWLER	
MODEL NUMBER				
DETAIL REFERENCE				
NOTES: 1	PROVIDE ROUGH BRASS FINISH.			



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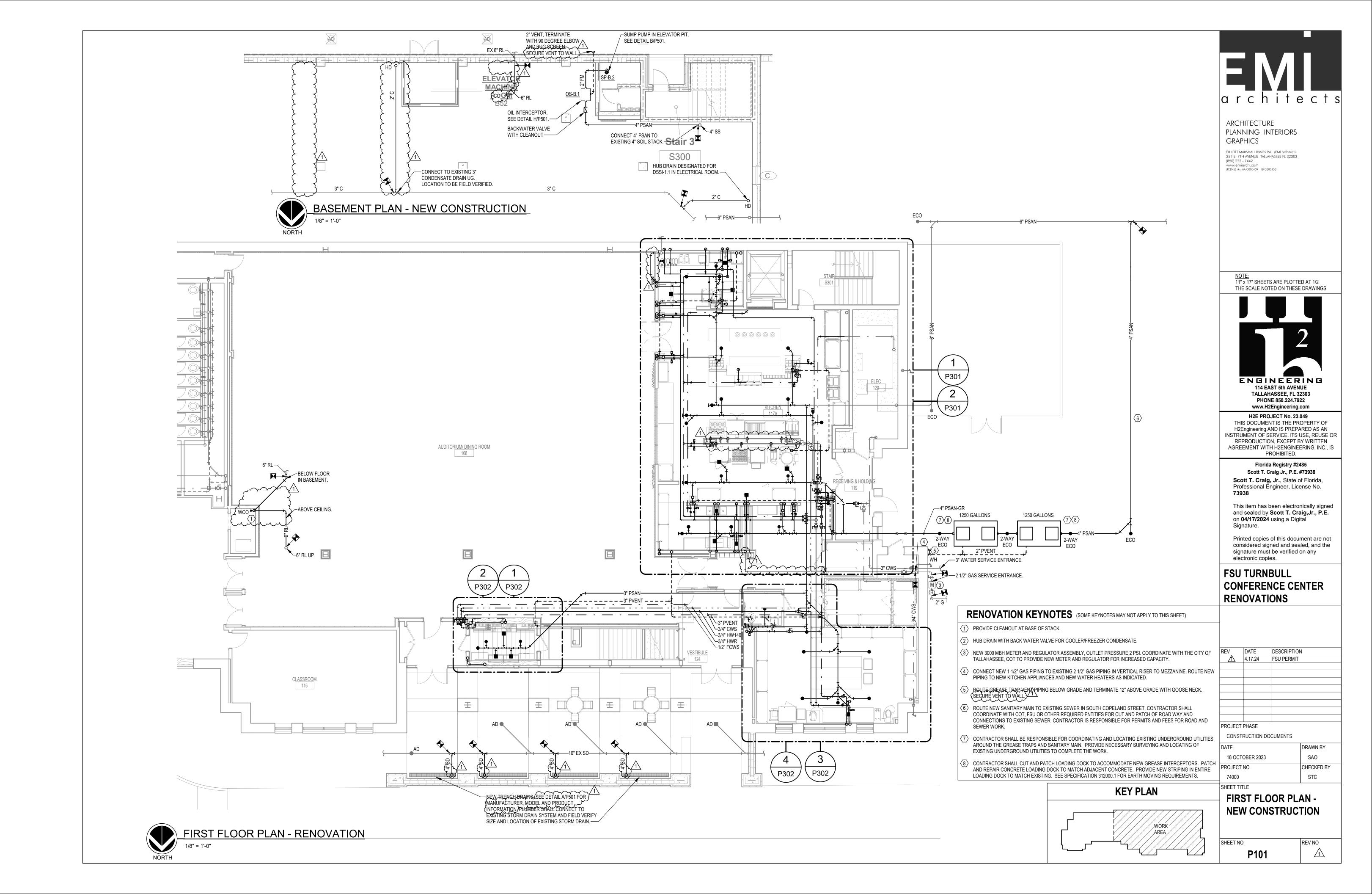
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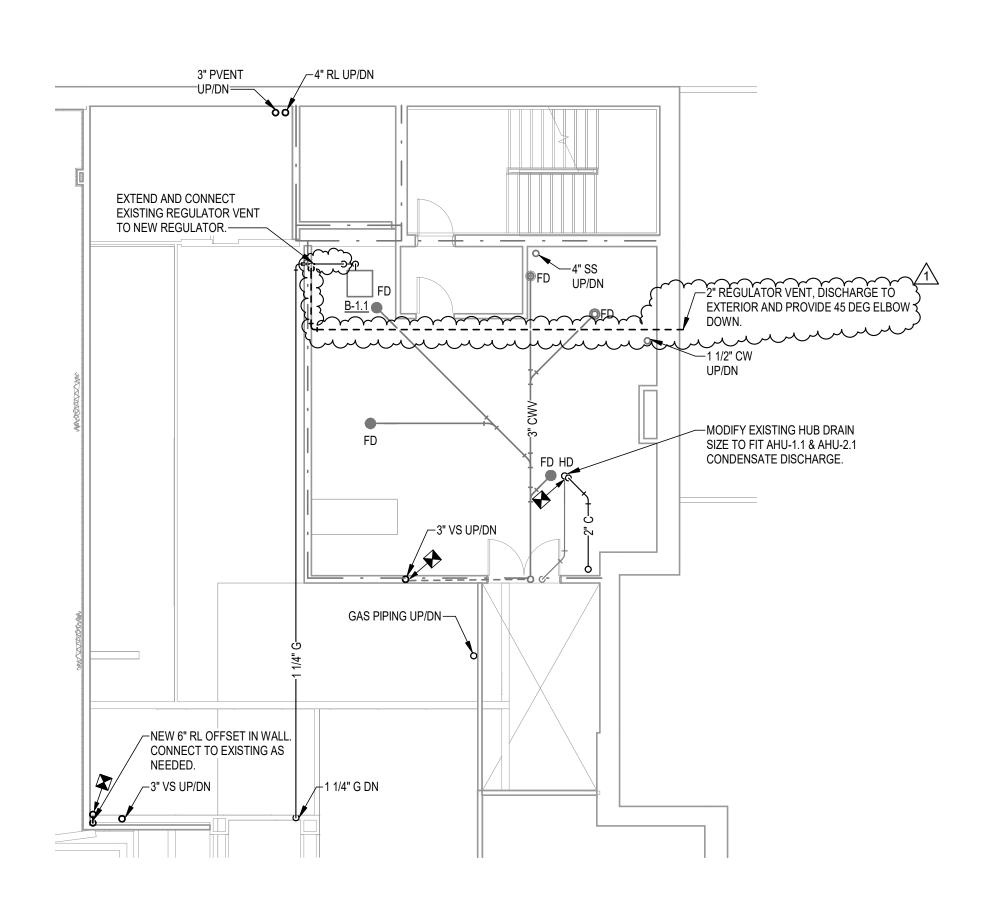
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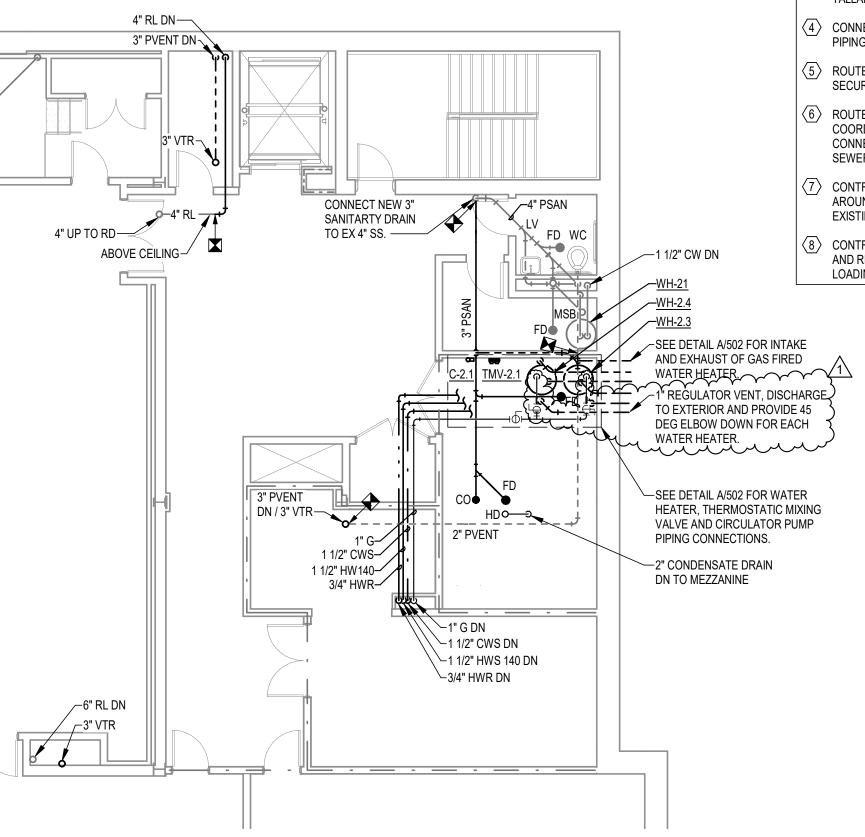
SCHEDULES

REV NO P003









1 SECOND FLOOR PLAN - NEW CONSTRUCTION

1/8" = 1'-0"

DEMOLITION KEYNOTES (SOME KEYNOTES MAY NOT APPLY TO THIS SHEET)

- DEMOLISH WATER HEATER AND ASSOCIATED HOT WATER SUPPLY PIPING COMPLETELY. DEMOLISH COLD WATER SUPPLY TO LIMITS INDICATED. SEE ELECTRICAL FOR POWER REQUIREMENTS.
- DEMOLISH TMV AND ASSOCIATED HOT WATER SUPPLY COMPLETELY. DEMOLISH COLD WATER SUPPLY TO LIMITS INDICATED.
- DEMOLISH PLUMBING FIXTURE AND ASSOCIATED SANITARY, VENT, COLD WATER SUPPLY AND HOT WATER SUPPLY TO LIMITS INDICATED. PATCH FLOOR AND/OR WALL WHERE APPLICABLE TO MATCH ADJACENT SURFACE; C h i t e c t s
- DEMOLISH FLOOR DRAIN AND SANITARY PIPING TO LIMITS INDICATED. PATCH FLOOR TO MATCH ADJACENT SURFACE; SEE ARCHITECTURAL PLANS.
- DEMOLISH CLEANOUT AND SANITARY PIPING TO LIMITS INDICATED. PATCH FLOOR TO MATCH ADJACENT SURFACE; SEE ARCHITECTURAL PLANS.
- 6) PIPING UP/DN TO REMAIN.
- 7) DEMOLISH PIPING TO LIMITS SHOWN FOR REPOUTING AS INDICATED ON RENOVATION PLANS.
- 8 DEMOLISH GAS SERVICE REGULATOR AND METER ASSEMBLY. COORDINATE DEMOLITION OF METER AND REGULATOR WITH THE CITY OF TALLAHASSEE. NEW METER AND REGULATOR TO BE PROVIDED AS INDICATED ON RENOVATION PLANS.

RENOVATION KEYNOTES (SOME KEYNOTES MAY NOT APPLY TO THIS SHEET)

- 1 PROVIDE CLEANOUT AT BASE OF STACK.
- 2 HUB DRAIN WITH BACK WATER VALVE FOR COOLER/FREEZER CONDENSATE.
- 3 NEW 3000 MBH METER AND REGULATOR ASSEMBLY, OUTLET PRESSURE 2 PSI. COORDINATE WITH THE CITY OF TALLAHASSEE, COT TO PROVIDE NEW METER AND REGULATOR FOR INCREASED CAPACITY.
- CONNECT NEW 1 1/2" GAS PIPING TO EXISTING 2 1/2" GAS PIPING IN VERTICAL RISER TO MEZZANINE. ROUTE NEW PIPING TO NEW KITCHEN APPLIANCES AND NEW WATER HEATERS AS INDICATED.
- ROUTE GREASE TRAP VENT PIPING BELOW GRADE AND TERMINATE 12" ABOVE GRADE WITH GOOSE NECK. SECURE VENT TO WALL.
- ROUTE NEW SANITARY MAIN TO EXISTING SEWER IN SOUTH COPELAND STREET. CONTRACTOR SHALL COORDINATE WITH COT, FSU OR OTHER REQUIRED ENTITIES FOR CUT AND PATCH OF ROAD WAY AND CONNECTIONS TO EXISTING SEWER. CONTRACTOR IS RESPONSIBLE FOR PERMITS AND FEES FOR ROAD AND SEWER WORK.
- (7) CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND LOCATING EXISTING UNDERGROUND UTILITIES AROUND THE GREASE TRAPS AND SANITARY MAIN. PROVIDE NECESSARY SURVEYING AND LOCATING OF EXISTING UNDERGROUND UTILITIES TO COMPLETE THE WORK.
- 8 CONTRACTOR SHALL CUT AND PATCH LOADING DOCK TO ACCOMMODATE NEW GREASE INTERCEPTORS. PATCH AND REPAIR CONCRETE LOADING DOCK TO MATCH ADJACENT CONCRETE. PROVIDE NEW STRIPING IN ENTIRE LOADING DOCK TO MATCH EXISTING. SEE SPECIFICATION 312000.1 FOR EARTH MOVING REQUIREMENTS.

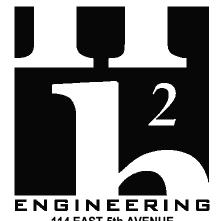
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MITS

ACE; Q r C h i t e C t s

ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

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THE SCALE NOTED ON THESE DRAWINGS



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FSU TURNBULL CONFERENCE CENTER RENOVATIONS

REV DATE DESCRIPTION

4.17.24 FSU PERMIT

PROJECT PHASE

CONSTRUCTION DOCUMENTS

DATE

18 OCTOBER 2023

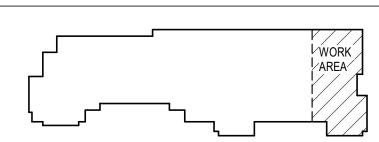
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KEY PLAN

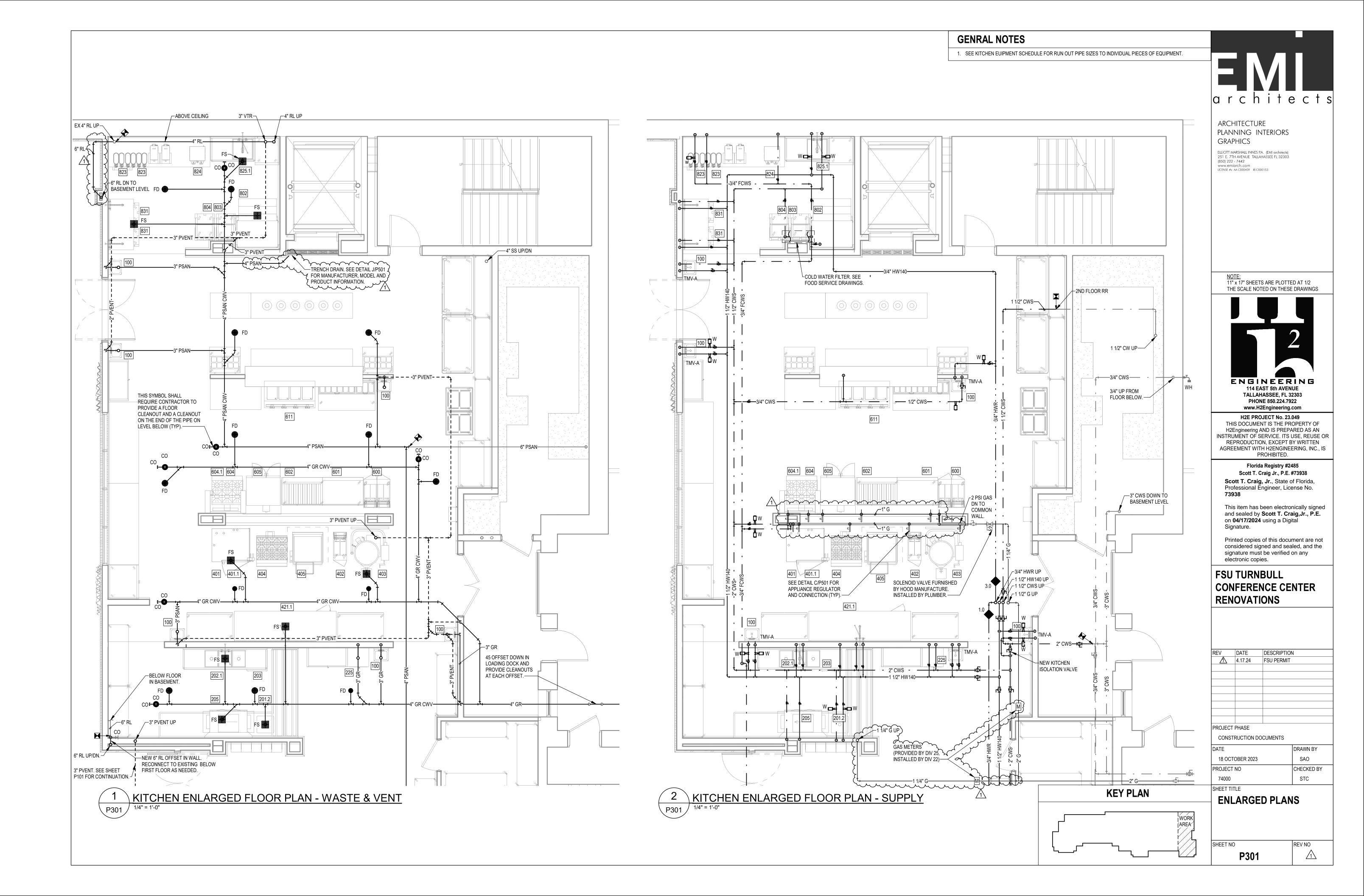


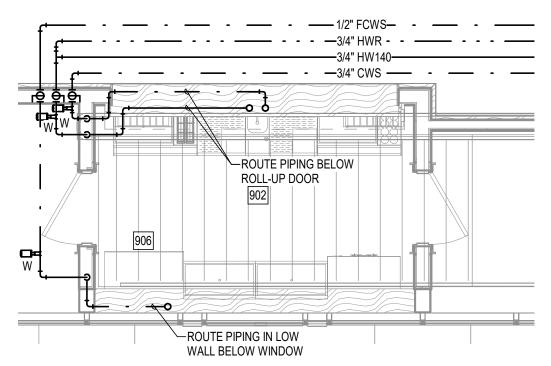
SECOND + MEZZ FLOOR PLANS - NEW CONSTRUCTION

SHEET TITLE

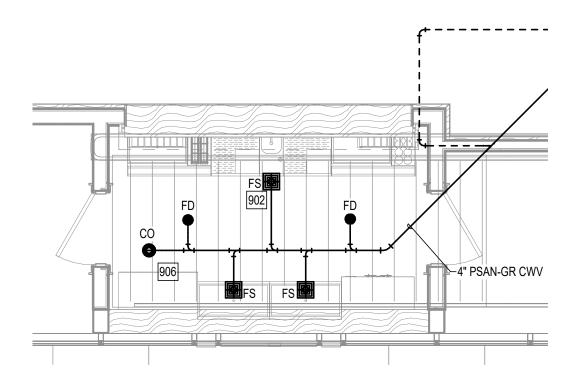
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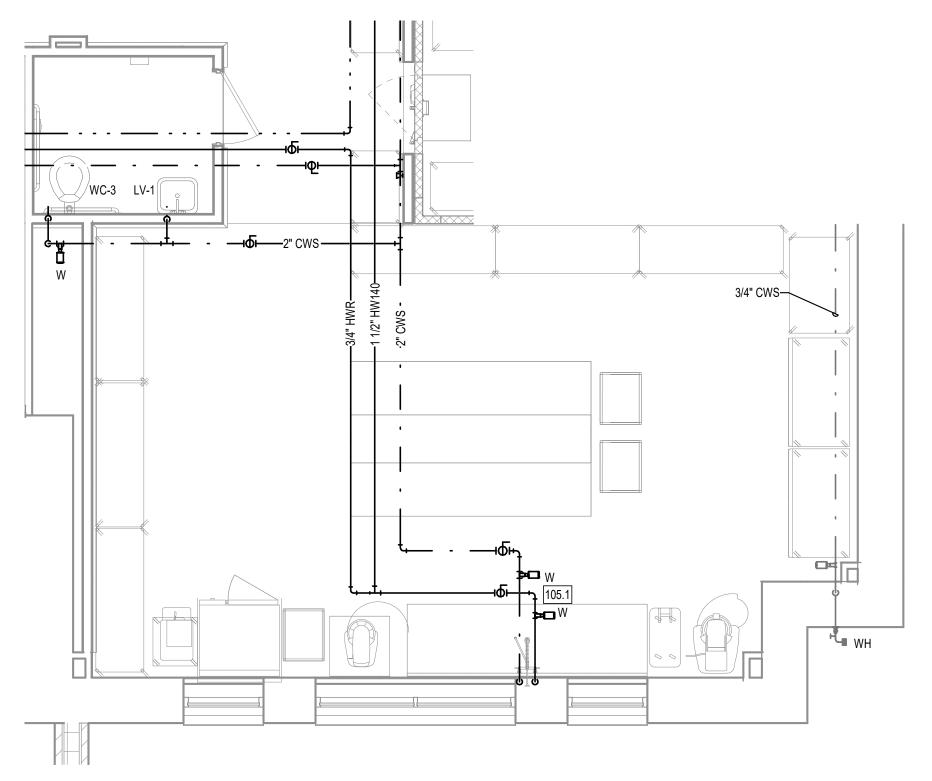




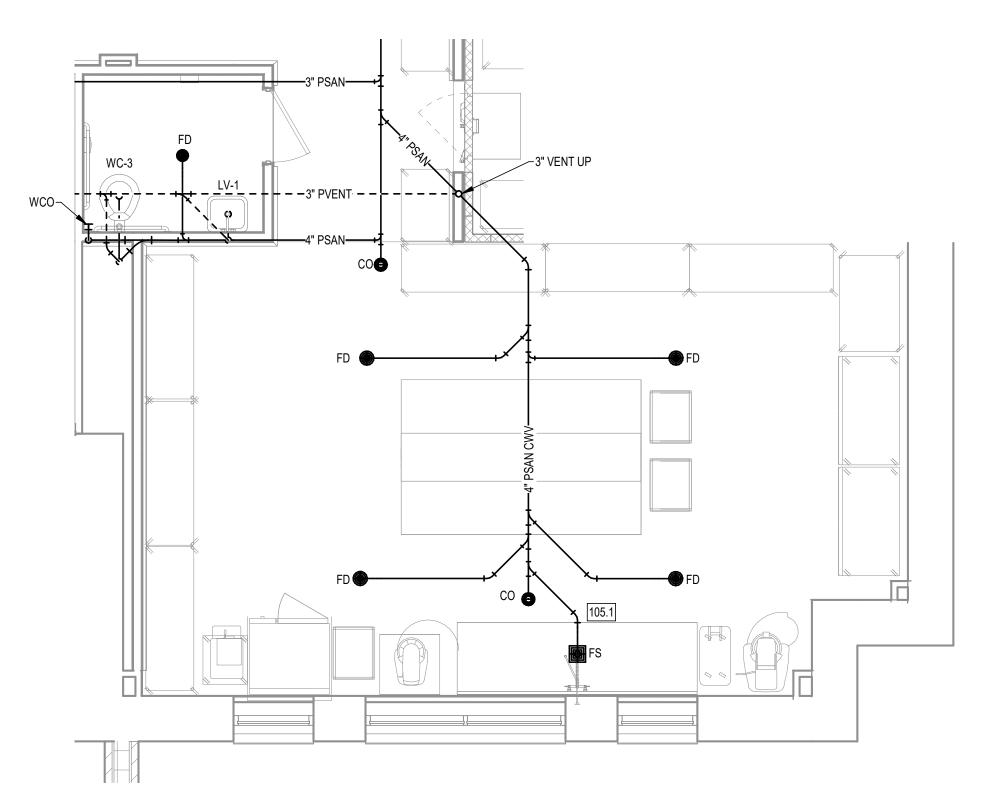
1 ENLARGED FLOOR PLAN - SUPPLY
1/4" = 1'-0"



2 ENLARGED FLOOR PLAN - WASTE & VENT



8 ENLARGED FLOOR PLAN - SUPPLY
1/4" = 1'-0"



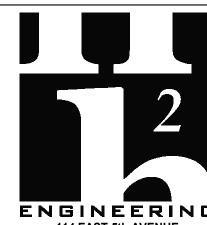
4 ENLARGED FLOOR PLAN - WASTE & VENT



ARCHITECTURE
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18 OCT	OBER 2023		SAO
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ENLARGED PLANS

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74000 SHEET TITLE

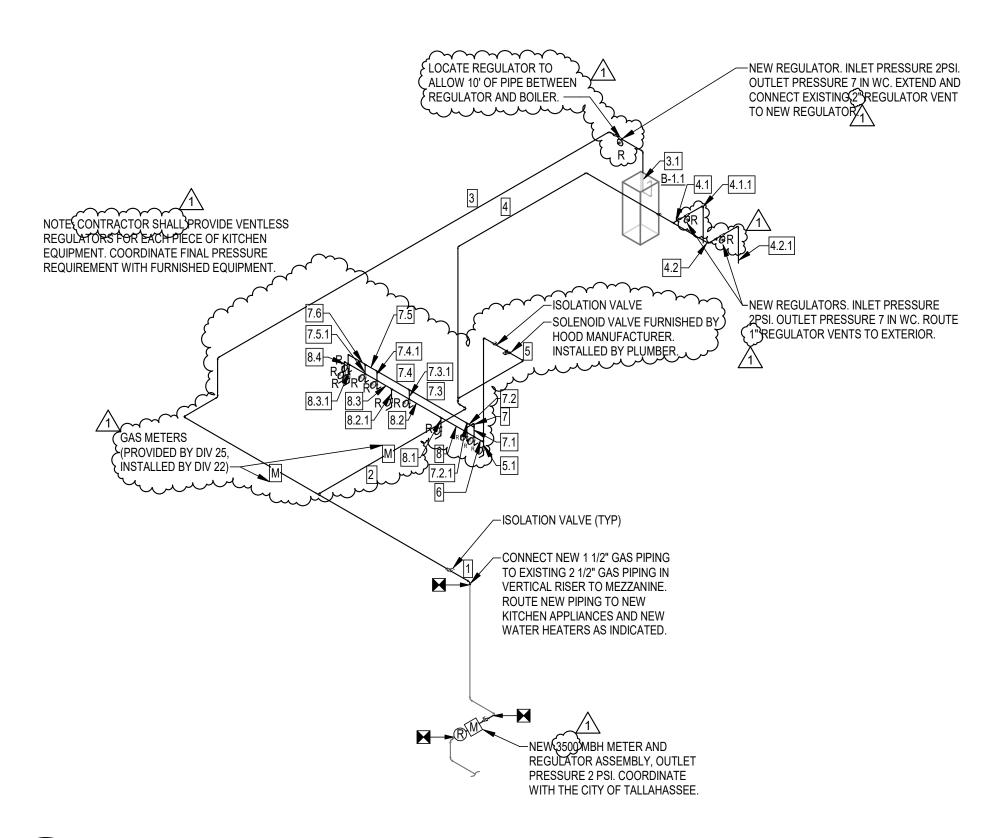
P302

STC

GAS PIPE SCHEDULE

PIPE SECTION	FUEL GAS TYPE	PIPE MATERIAL	CAPACITY (MBH)	DESIGN PRESSURE	EQUIPMENT	PIPE LENGTH (FT)	EQUIV. LENGTH FOR FITTINGS (FT)	TOTAL LENGTH (FT)	PIPE SIZ (IN)
1	NATURAL GAS	STEEL (SCH 40)	3,481	2 PSI	B-1.1, WHs & KITCHEN EQ.	52	88	140	2
2	NATURAL GAS	STEEL (SCH 40)	(1,981)	2 PSI	WHs & KITCHEN EQ.	18	16	34	1 1/2
3	NATURAL GAS	STEEL (SCH 40)	1,500	2 PSI	B-1.1	\ 70	62	132	1 1/4
3.1	NATURAL GAS	STEEL (SCH 40)	1,500	7 IN WC	B-1.1	(10 , , ,	15	25	3
4	NATURAL GAS	STEEL (SCH 40)	600	2 PSI	WHs	44	10	54	1
4.1	NATURAL GAS	STEEL (SCH 40)	300	2 PSI	WH-2.4	$\langle 2 \rangle$	29	(31)	3/4
4.1.1	NATURAL GAS	STEEL (SCH 40)	300	7 IN WC	WH-2.4	(10)	0	(103)	1 1/2
4.2	NATURAL GAS	STEEL (SCH 40)	300	2 PSI	WH-2.3	(6) _A	31	(37)	3/4
4.2.1	NATURAL GAS	STEEL (SCH 40)	300	7 IN WC	WH-2.3	(10)/1	0	(10)	1 1/2
5	NATURAL GAS	STEEL (SCH 40)	1,381	2 PSI	KITCHEN EQ.	22	14	36	1 1/4
5.1	NATURAL GAS	STEEL (SCH 40)	100	2 PSI	403	2	5	7	1/2
6	NATURAL GAS	STEEL (SCH 40)	1,281	2 PSI	KITCHEN EQ.	2	7	9	1 1/4
7	NATURAL GAS	STEEL (SCH 40)	781	2 PSI	KITCHEN EQ.	2	10	12	1
7.1	NATURAL GAS	STEEL (SCH 40)	160	2 PSI	600	2	5	7	1/2
7.2	NATURAL GAS	STEEL (SCH 40)	621	2 PSI	KITCHEN EQ.	1	5	6	1
7.2.1	NATURAL GAS	STEEL (SCH 40)	120	2 PSI	601	2	5	7	1/2
7.3	NATURAL GAS	STEEL (SCH 40)	501	2 PSI	KITCHEN EQ.	7	5	12	1
7.3.1	NATURAL GAS	STEEL (SCH 40)	136	2 PSI	602	2	5	7	1/2
7.4	NATURAL GAS	STEEL (SCH 40)	365	2 PSI	KITCHEN EQ.	4	(, 5 , 7 , 7	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	$\frac{1}{2}$
7.4.1	NATURAL GAS	STEEL (SCH 40)	100	2 PSI	605	2	5	7	1/2
7.5	NATURAL GAS	STEEL (SCH 40)	265	2 PSI	KITCHEN EQ.	2	(L'A	لكريكر
7.5.1	NATURAL GAS	STEEL (SCH 40)	215	2 PSI	604	2	6	8	3/4
7.6	NATURAL GAS	STEEL (SCH 40)	50	2 PSI	604.1	4	6	10	1/2
8	NATURAL GAS	STEEL (SCH 40)	500	2 PSI	KITCHEN EQ.	3	5	8	1
8.1	NATURAL GAS	STEEL (SCH 40)	80	2 PSI	402	2	5	7	1/2
8.2	NATURAL GAS	STEEL (SCH 40)	420	2 PSI	KITCHEN EQ.	6	(5	11	7
8.2.1	NATURAL GAS	STEEL (SCH 40)	242	2 PSI	404	2	6	8	3/4
8.3	NATURAL GAS	STEEL (SCH 40)	178	2 PSI	KITCHEN EQ.	2 7 72 7 7	8 1	10	1
8.3.1	NATURAL GAS	STEEL (SCH 40)	109	2 PSI	401	6	6	12	1/2
8.4	NATURAL GAS	STEEL (SCH 40)	69	2 PSI	401.1	2	6	8	1/2

GAS RISER DIAGRAM

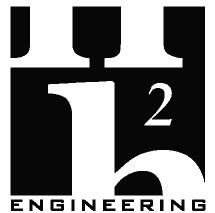




ARCHITECTURE PLANNING INTERIORS GRAPHICS

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(850) 222 - 7442
www.emiarch.com
UCENSE #s AA C000409 IB C000153

NOTE: 11" x 17" SHEETS ARE PLOTTED AT 1/2 THE SCALE NOTED ON THESE DRAWINGS



114 EAST 5th AVENUE TALLAHASSEE, FL 32303 PHONE 850.224.7922 www.H2Engineering.com

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REV	DATE	DESCRIPTIO	N	
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PROJECT	Γ PHASE			
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DATE			DRAWN BY	
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GAS RISER DIAGRAM

P401

SHEET TITLE

REV NO



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PROJECT PHASE CONSTRUCTION DOCUMENTS

REV DATE DESCRIPTION

18 OCTOBER 2023

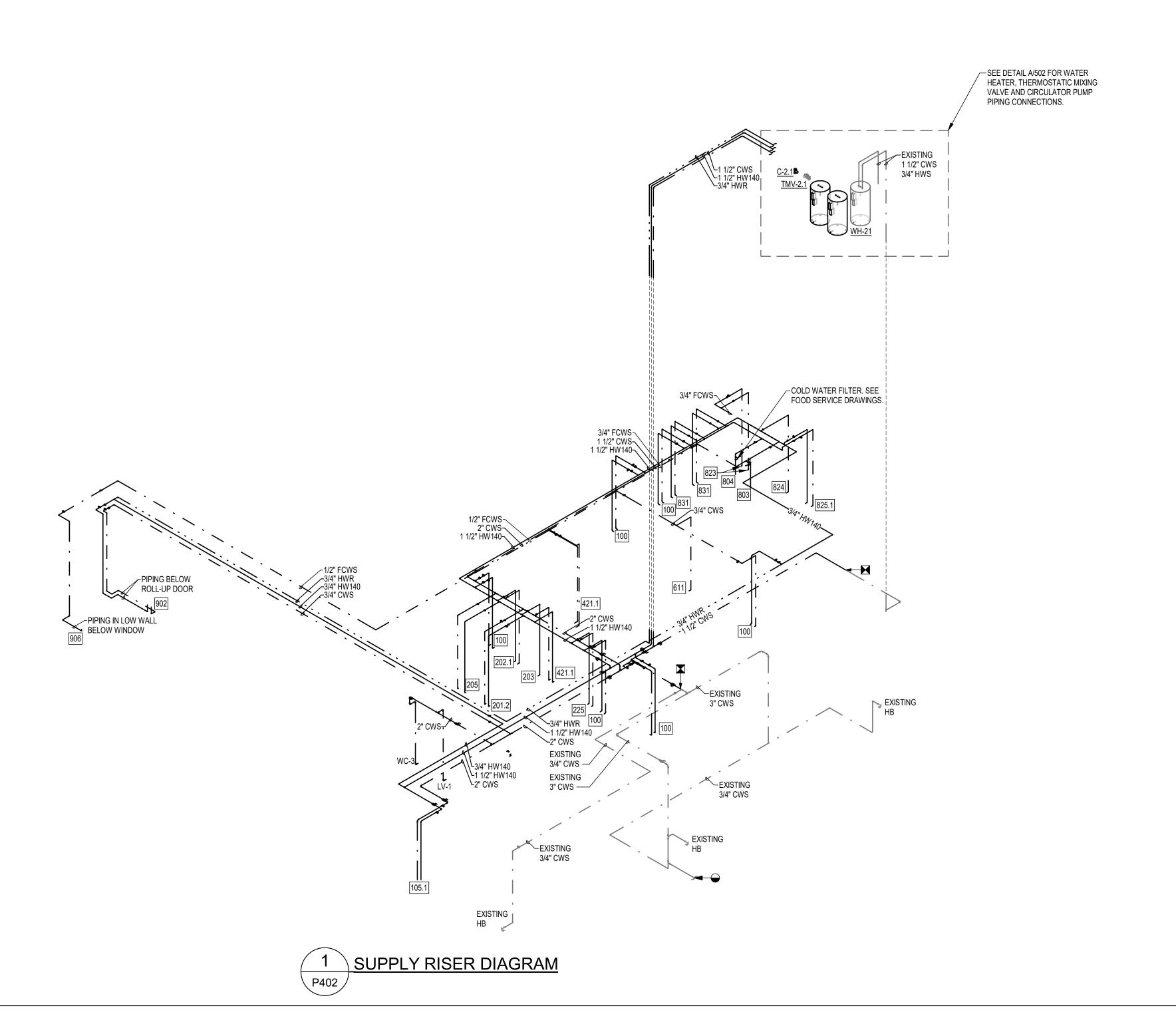
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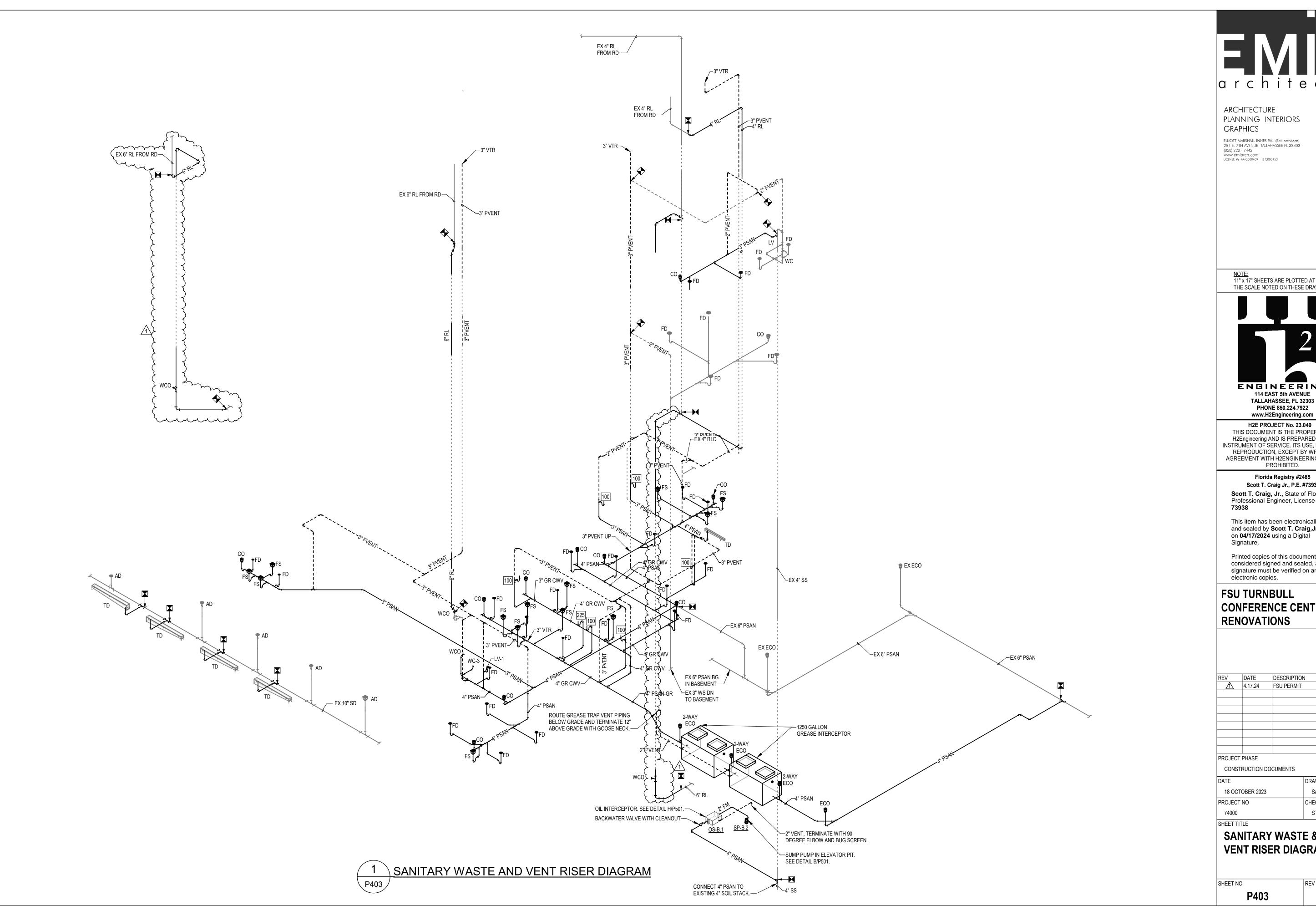
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SUPPLY RISER **DIAGRAMS**

REV NO P402

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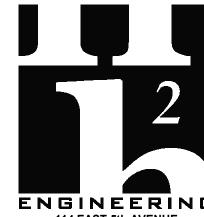




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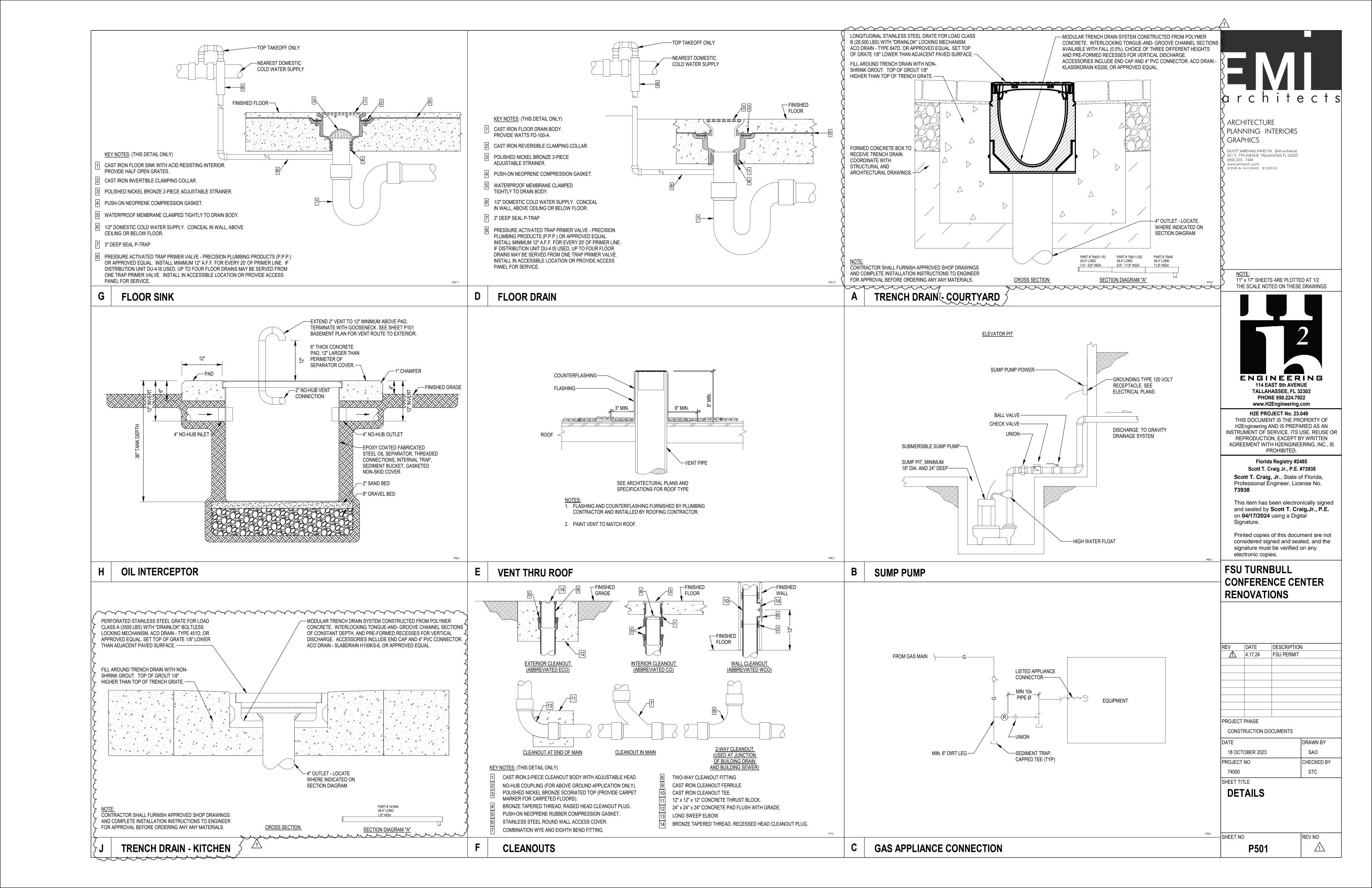
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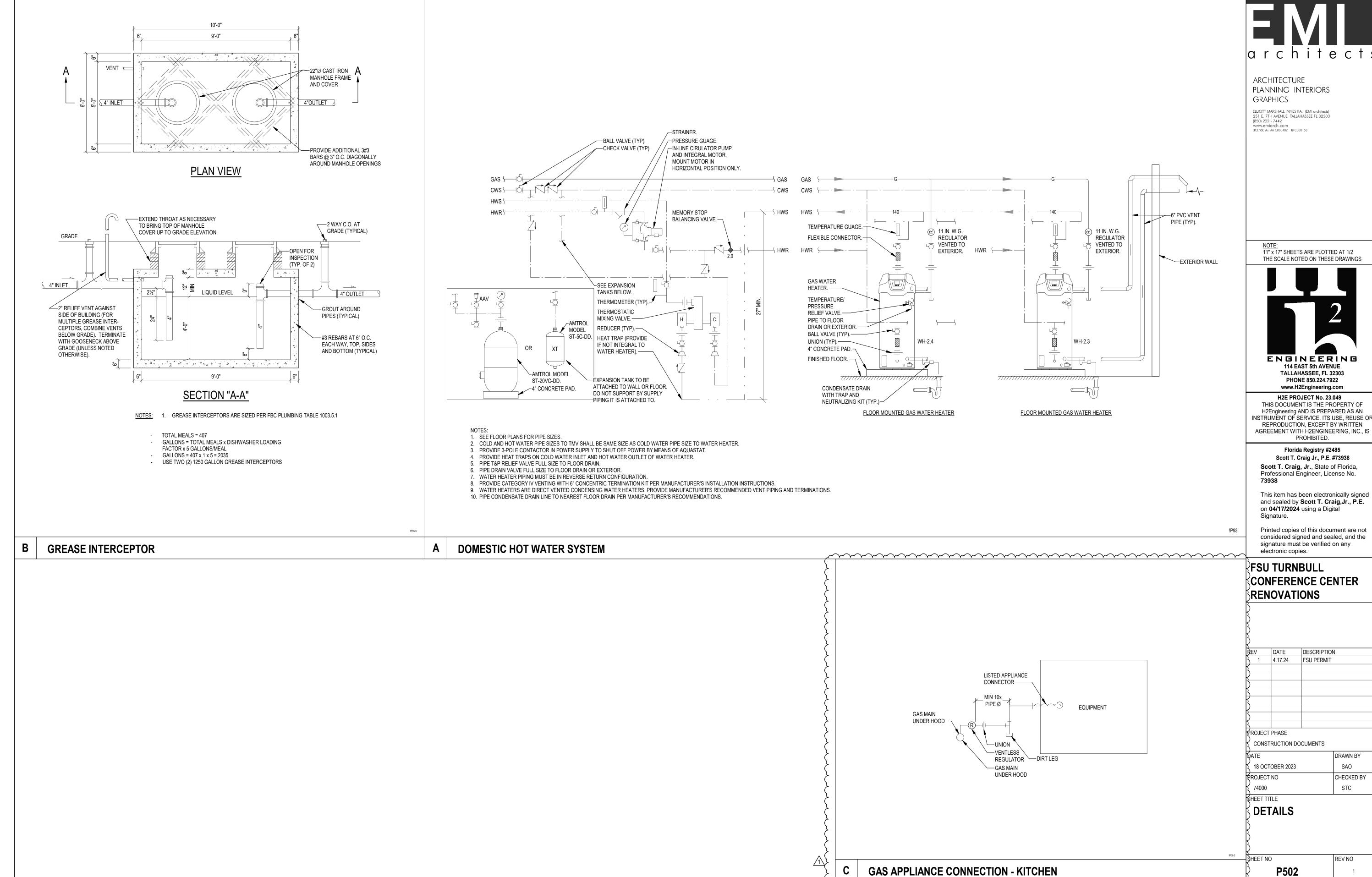
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SANITARY WASTE & VENT RISER DIAGRAM

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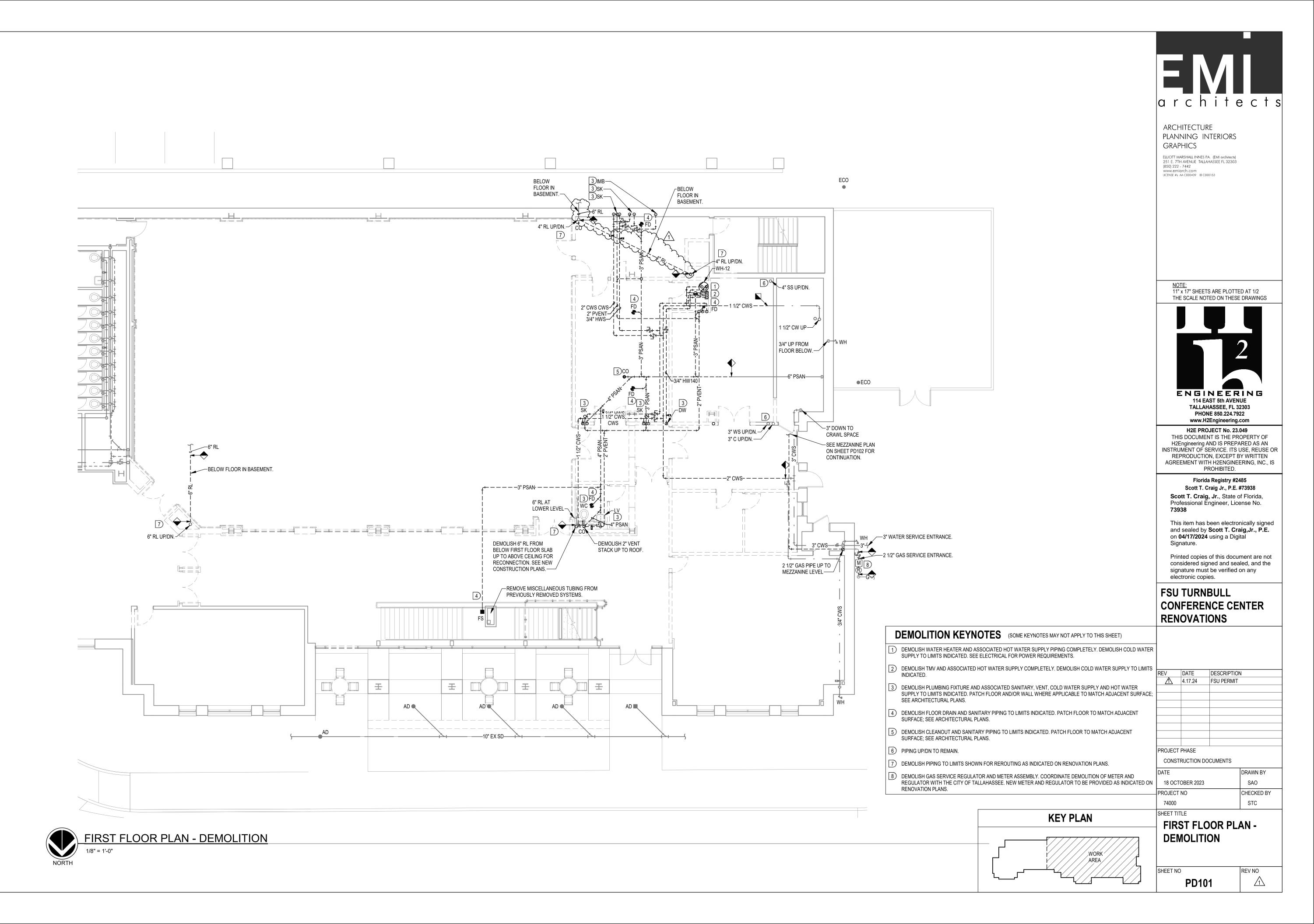
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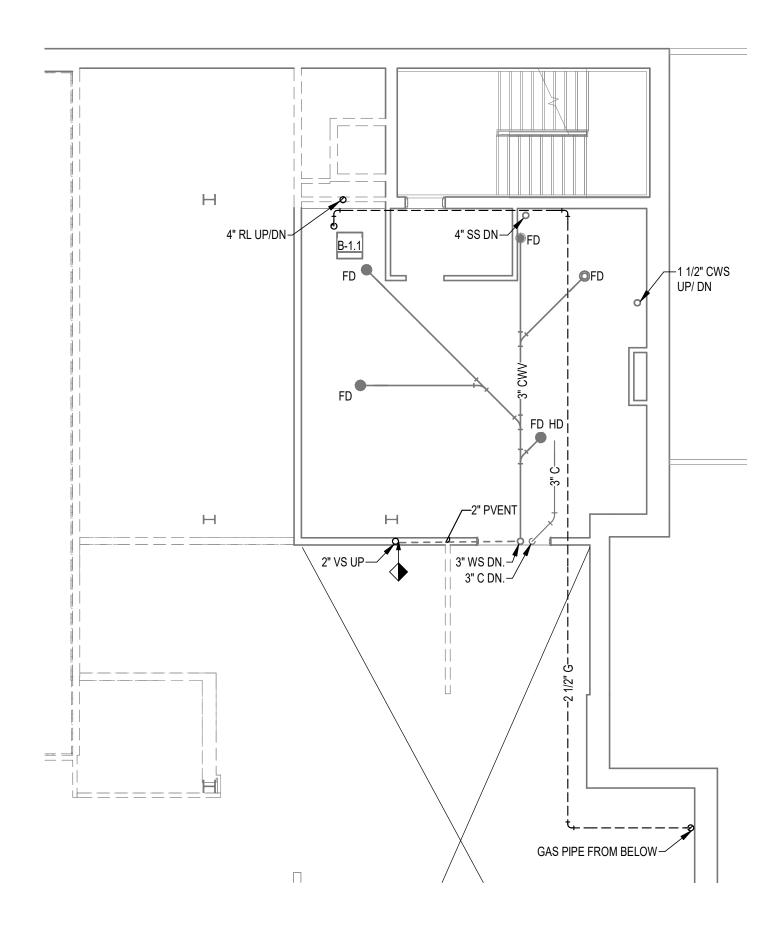




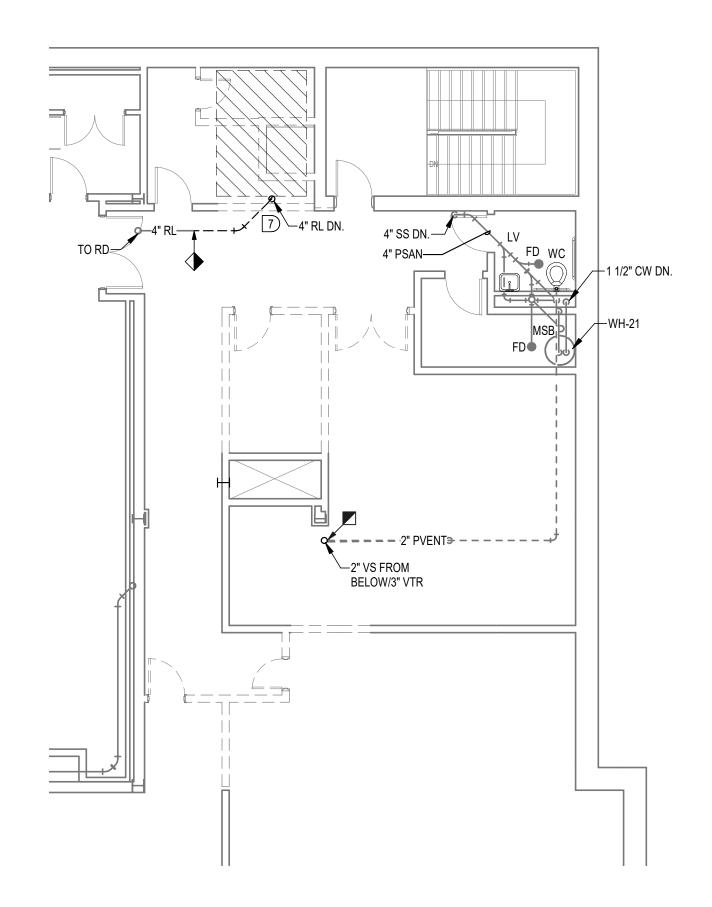
architects

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2 MEZZANINE FLOOR PLAN - DEMOLITION
PD102 1/8" = 1'-0"



1 SECOND FLOOR PLAN - DEMOLITION
PD102 1/8" = 1'-0"



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

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PROJECT PHASE

CONSTRUCTION DOCUMENTS

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18 OCTOBER 2023 SAO

SECOND + MEZZ FLOOR PLANS - DEMOLITION

SHEET NO

PROJECT NO

SHEET TITLE

PD102

CHECKED BY STC