FIRESTOP S	CHEDU	JLE OF THROUGH PENETRA		,		
TYPE OF PENETRANT	F-RATING	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS	
THEOTIENERWIT	(HR)		THE TITLE OF THE T			
CIRCULAR BLANK OPENINGS	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090		CD 690 CD 640 ES ONE MAY CES DI	
(0000-0999)	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090		CP 680, CP 618, FS-ONE MAX, CFS- E	
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-15		CP 680, FS-ONE MAX, CP 606, CFS-	
(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	
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,	
	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	
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	CD 690 ES ONE MAY MINEDAL WOOL	
(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	
	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		
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	

UP TO 20 FT.

∠–BRANCH 1

SELECTION METHOD: USING TABLE 1, SIZE UNIT "X" FOR BRANCH 1 BASE ON RULE 1. SIZE UNITS "Y"

- 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. 4. 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.

WATER HAMMER ARRESTERS GROUPED FIXTURES TABLE 2 - WATER PRESSURES UP TO 65 P.S.I.G. P.D.I. WATER HAMMER ARRESTERS LENGTH OF PIPE (FT.) 1/2" 3/4" 1" 1-1/4" 1-1/2" 2" 25 A A B C D E 50 A B C D E F 50 A B C D B F 75 B C D AB F EF 100 C D E F CF FF 125 C D F AF EF EFF 150 D E F DF FF FFF 150 D E F DF FF FFF 150 D E F DF FF FFF 150 D E F FFFF 150 D E F DF FF FFF 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. _TYPICAL BRANCH LINE SELECTION METHOD: USING TABLE 1, SIZE UNIT "X" FOR THE TOTAL FIXTURE UNITS OF BRANCH NOTE: LOCATE WHA AS CLOSE AS /—LONG RUN OF PIPING POSSIBLE TO POINT OF CLOSURE RULE 2 - MULTIPLE FIXTURES EXCEEDING 20 FT. ─POINT OF RELIEF —TYPICAL BRANCH LINE `_MAIN OR USING EITHER TABLE 2 OR 2A (BASED ON SYSTEM PRESSURE), SIZE UNIT "X" BASED ON SIZE 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. PROVIDE WATER HAMMER ARRESTERS IN ACCORDANCE WITH STANDARD PDI-WH201

PIPING AND FITTINGS	PLUMBING NOTES	GENERAL NOTES
—a CAP	1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE AND LOCAL PLUMBING	DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UND
ELBOW TURNED UP	CODES. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION	CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS. 2. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTER
—⇒ ELBOW TURNED DOWN	DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN. 2. ALL MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE	CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE
TEE, OUTLET UP	SPECIFICATIONS THAT REQUIRE PIPING OR DUCT CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.	ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL E RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
TEE, OUTLET DOWN	3. PRESSURE TEST ALL WATER PIPING SYSTEMS AT 150% OF NORMAL WORKING PRESSURE.	3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE P
NEW PIPE	4. ALL COPPER PRESSURE PIPE SHALL BE SOLDERED ENTIRELY WITH LEAD-FREE SOLDER. 5. INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE.	AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENCE.
SANITARY, SOIL OR WASTE PIPING	6. ALL FLOOR DRAINS AND FLOOR SINKS SHALL HAVE MINIMUM 3" DRAIN LINES, DEEP SEAL TRAPS AND	MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION
—————— SANITARY VENT PIPING	AUTOMATIC TRAP PRIMERS (MANUFACTURER: PRECISION PLUMBING PRODUCTS). 7. WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH PDI-WH201.	PART. 4. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FE
GREASE LADEN WASTE PIPING	8. ALL HOSE BIBBS, SILL COCKS AND/OR FAUCETS WITH HOSE CONNECTIONS SHALL HAVE A VACUUM	DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK. 5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINAT
- — - COLD WATER SUPPLY PIPING	BREAKER. 9. GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE	OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
— HOT WATER SUPPLY PIPING	STARTED AT HIGHEST POINT POSSIBLE. 10. ALL WATER PIPING SUBJECT TO FREEZING SHALL BE FREEZE PROTECTED. THIS INCLUDES ALL PIPING	 ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELIN ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING I
	IN UNHEATED SPACES SUCH AS EQUIPMENT ROOMS, CHASES, ATTICS, SOFFITS, CRAWL SPACES,	DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFET
HW140 140° HOT WATER SUPPLY PIPING	EXTERIOR WALLS, CEILINGS, ETC. 11. INSULATE EXTERIOR ABOVE GRADE WATER PIPING WITH CELLULAR GLASS. SEE SPECS.	REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CON VEHICLE ACCESS AND EGRESS LOCATIONS.
— HOT WATER RECIRCULATION PIPING	12. DO NOT LOCATE FLOOR DRAINS/SINKS UNDER EQUIPMENT. COORDINATE EXACT LOCATION OF	8. COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBN
C———— (COOLING COIL) CONDENSATE DRAIN PIPING	DRAINS/SINKS WITH EQUIPMENT FURNISHED. 13. ALL PLUMBING VENTS SHALL BE 2" MINIMUM, UNLESS NOTED OTHERWISE.	COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERE 9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDI
HB HOSE BIBB	14. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE OR OTHER DEVICE REQUIRING SERVICE	SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETI
WHT WALL HYDRANT	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.	WORK. 10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE
WHA WATER HAMMER ARRESTER - SEE DETAIL THIS SHEET	15. A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE, SOIL STACK OR RAIN LEADER,	OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AI
FD FLOOR DRAIN - SEE DETAIL J/P5.1	WHETHER SHOWN ON THE DRAWINGS OR NOT. 16. ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED	SECURITY OF ALL EQUIPMENT AND MATERIALS. 11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL (
FS FLOOR SINK - SEE DETAIL L/P5.1	WITH A RELIEVING ARCH, OR A PIPE SLEEVE. SLEEVE SHALL BE BUILT INTO THE FOUNDATION WALL.	CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENTS. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF
WCO CH WALL CLEAN OUT - SEE DETAIL H/P5.1	THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.	CONSTRUCTION.
CO ⊖ CLEAN OUT - SEE DETAIL H/P5.1	ADDI 104DI T 66DT6	13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWIN PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS
CIRCULATOR PUMP	APPLICABLE CODES	WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT
	DEDECORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY ADDITION F CTATHTES	SAMPLES". 14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQU
VALVES	PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.	OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAW
T	1. ASHRAE	PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFIC INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBM
BALL VALVE (WITH QUARTER TURN HANDLE)	a. STANDARD 15 SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019	THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE
BUTTERFLY VALVE (WITH QUARTER TURN HANDLE)	b. STANDARD 55 THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2017 c. STANDARD 62.1 VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2019	CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN S DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEEF
⊢ pi 図 CHECK VALVE	d. STANDARD 90.1 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL	APPROVAL THEREOF.
VALVE ACTUATORS:	BUILDINGS - 2019 e. STANDARD 170 VENTILATION OF HEALTH CARE FACILITIES - 2017	15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUN DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOA
QUARTER TURN LEVER		OTHER WALL MOUNTED FURNISHINGS.
1	2. <u>ASME</u> a. ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2019	16. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS S STRUCTURAL SYSTEMS ONLY.
MEASUREMENTS AND CONTROLS		17. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL A 18. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEA
	3. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).	AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND II
PRESSURE GAUGE AND ISOLATION VALVE	4. NATIONAL FIRE CODES	BY THIS CONTRACTOR. 19. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED AS
MEMORY STOP FLOW CONTROL VALVE	a. NFPA 1 FIRE CODE - 2021 (FLORIDA EDITION) b. NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM - 2019	PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON T
2.0 (NUMBER INDICATES FLOW IN GPM)	c. NFPA 25 STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-	AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS. 20. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FI
THERMOMETER	BASED FIRE PROTECTION SYSTEMS - 2020 d. NFPA 70 NATIONAL ELECTRICAL CODE - 2020	OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVI
M METER (WATER OR GAS)	e. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE - 2019 f. NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION	MATERIAL SUPPLIERS AND MANUFACTURERS. 21. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE
INITIAL WATER OR GAO)	SYSTEMS - 2021	BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
MISCELLANEOUS	g. NFPA 90B STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS - 2021	
<u> </u>	h. NFPA 91 STANDARD FOR THE INSTALLATION OF BLOWER AND EXHAUST SYSTEMS - 2020	ABBREVIATIONS
HINGED CEILING ACCESS PANEL	i. NFPA 101 LIFE SAFETY CODE - 2021 (FLORIDA EDITION)	
MIN. I.E. = 0 MINIMUM INVERT ELEVATION BELOW REFERENCE ELEVATION	5. FLORIDA BUILDING CODE, 2023 8th EDITION	AC ABOVE CEILING IE INVERT ELEVATION AFF ABOVE FINISHED FLOOR IMB ICE MAKER HOOK-UP BOX
	a. BUILDING CODE b. ENERGY CONSERVATION CODE	AHAP AS HIGH AS POSSIBLE LV LAVATORY
POINT OF CONNECTION, PLUMBING TO CIVIL	c. MECHANICAL CODE	BF BELOW FLOOR MSB MOP SERVICE BASIN BG BELOW GRADE N/A NOT APPLICABLE
—————— SMOKE RATED WALL	d. PLUMBING CODE e. ACCESSIBILITY CODE	CWS COLD WATER SUPPLY PSAN SANITARY
1 HOUR FIRE RATED WALL	6. FLORIDA STATUTES	DN DOWN PVENT VENT ECO EXTERNAL CLEANOUT SH SHOWER
2 HOUR FIRE RATED WALL	a. CHAPTER 471 ENGINEERING	EWC ELECTRIC WATER COOLER SK SINK
·	b. CHAPTER 533.80 BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT	FD FLOOR DRAIN, SEE DETAIL J/P5.1 TYP TYPICAL FS FLOOR SINK, SEE DETAIL L/P5.1 UR URINAL
	ENFORGEMENT	GI GREASE INTERCEPTOR, SEE DETAIL N/P5.1 V VALVE
	7. <u>FLORIDA ADMINISTRATIVE CODE</u> a. CHAPTER 6A-2 EDUCATIONAL FACILITIES	HB HOSE BIBB VTR VENT THROUGH ROOF, SEE HD HUB DRAIN, SEE DETAIL M/P5.1 WC WATER CLOSET
	b. CHAPTER 61C-5 FLORIDA ELEVATOR SAFETY CODE	HP HORSEPOWER WCO WALL CLEANOUT, SEE DETA HWS HOT WATER SUPPLY WH WALL HYDRANT
	c. CHAPTER 61G15-34 RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS	HWR HOT WATER SUPPLY WITH WALL HTDRANT HWR HOT WATER RECIRCULATION WHA WATER HAMMER ARRESTER
	d. CHAPTER 69A-3 FIRE PREVENTION - GENERAL PROVISIONS	IE INVERT ELEVATION
	e. CHAPTER 69A-47 UNIFORM FIRE SAFETY STANDARDS FOR ELEVATORS f. CHAPTER 69A-60 THE FLORIDA FIRE PREVENTION CODE	
		DRAWING INDEX
	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	P0.1 GENERAL NOTES, LEGENDS & SCHEDULES
	FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.	P1.1 YOUTH LEARNING CENTER - 1ST FLOOR PLAN - WASTE
	THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR,	P1.2 YOUTH LEARNING CENTER - 2ND FLOOR PLAN - WASTE
	MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS,	P1.3 YOUTH LEARNING CENTER - ROOF PLAN P2.1 YOUTH LEARNING CENTER - 1ST FLOOR PLAN - SUPPLY
	ORDINANCES, RULES, AND REGULATIONS.	P2.2 YOUTH LEARNING CENTER - 2ND FLOOR PLAN - SUPPLY
	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	P3.1 YOUTH LEARNING CENTER - WASTE & VENT RISERS
	TO THE SOCIETY OF THE PROPERTY OF THE RECUMENTS OF THE CONTRACT DOCUMENTS ARE MORE	P3.3 YOUTH LEARNING CENTER - SUPPLY RISERS
	STRINGENT.	
		P4.1 SCHEDULES P4.2 SCHEDULES

MINIMUM REQUIRED SLOPE

DRAINAGE TYPE	SIZE (INCHES)	MINIMUM SLOPE (INCH /FOOT) - NOTE 1
	2-1/2" OR LESS	1/4"
SANITARY (NOTE 2)	3" TO 6"	1/8"
	8" OR LARGER	1/16"
STORM (NOTE 3)	12" OR LESS	1/16"
CONDENSATE	4" OR LESS	1/8"

1. UNLESS NOTES OTHERWISE ON PLANS.

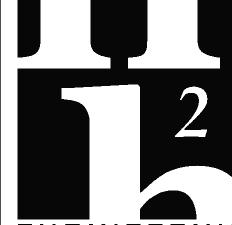
2. COMBINATION WASTE AND VENT PIPING SHALL BE RUN AT A MAXIMUM SLOPE OF 1/2" PER FOOT. 3. SEE ROOF DRAINAGE SCHEDULE FOR SLOPE AT EACH ROOF DRAIN.

- RAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS O ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS. MENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE ENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE
- OCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD L DEFICIENCIES ASSOCIATED THEREWITH. FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES F AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO PLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE
- ECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM
 - AND LICENSE FEES IN CONNECTION WITH HIS WORK. NAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK CTORS TO AVOID INTERFERENCES. DMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
- NALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY VIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION D EGRESS LOCATIONS.
- EQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A ED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
- SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE WER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE
- SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND QUIPMENT AND MATERIALS. SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN E OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
- HALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS,
- T DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND HALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, IPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY HITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND GINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE
- ION. COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED
- MENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR ED FURNISHINGS. GERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS SHALL BE TO
- L MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES. ENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES CING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED
- FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY CTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE
- G CONSTRUCTION. SEE SPECIFICATIONS. GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE
- CE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY S AND MANUFACTURERS. E KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED ECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.

AC	ABOVE CEILING	ΙE	INVERT ELEVATION
AFF	ABOVE FINISHED FLOOR	IMB	ICE MAKER HOOK-UP BOX
AHAP	AS HIGH AS POSSIBLE	LV	LAVATORY
BF	BELOW FLOOR	MSB	MOP SERVICE BASIN
BG	BELOW GRADE	N/A	NOT APPLICABLE
CWS	COLD WATER SUPPLY	PSAN	SANITARY
DN	DOWN	PVENT	VENT
ECO	EXTERNAL CLEANOUT	SH	SHOWER
EWC	ELECTRIC WATER COOLER	SK	SINK
FD	FLOOR DRAIN, SEE DETAIL J/P5.1	TYP	TYPICAL
FS	FLOOR SINK, SEE DETAIL L/P5.1	UR	URINAL
GI	GREASE INTERCEPTOR, SEE DETAIL N/P5.1	V	VALVE
HB	HOSE BIBB	VTR	VENT THROUGH ROOF, SEE DETAI
HD	HUB DRAIN, SEE DETAIL M/P5.1	WC	WATER CLOSET
HP	HORSEPOWER	WCO	WALL CLEANOUT, SEE DETAIL H/PS
HWS	HOT WATER SUPPLY	WH	WALL HYDRANT
HWR	HOT WATER RECIRCULATION	WHA	WATER HAMMER ARRESTER
IE	INIVERT ELEVATION		

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P2.2	YOUTH LEARNING CENTER - 2ND FLOOR PLAN - SUPPLY
P3.1	YOUTH LEARNING CENTER - WASTE & VENT RISERS
P3.3	YOUTH LEARNING CENTER - SUPPLY RISERS
P4.1	SCHEDULES
D/ 2	SCHEDULES



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

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H2E PROJECT No. 24179

SHERIFFS YOUTH LEARNING **CENTER AND**

MAHAN DRIVE TALLAHASSEE, FL.



—Clemons,Rutherford, &

Associates, Inc. Architects Planners

Interior Designers Construction Managers 2027 Thomasville Road Tallahassee, Florida 32308

phone 850-385-6153 fax 850-386-8420 cra@clemons-rutherford.com

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Submittal Date Drw Chk DESIGN DEVELOPMENT 02-28-25 SPD RDR

04-15-25 SPD RDR

07-18-25 SPD RDR

Revision

Description

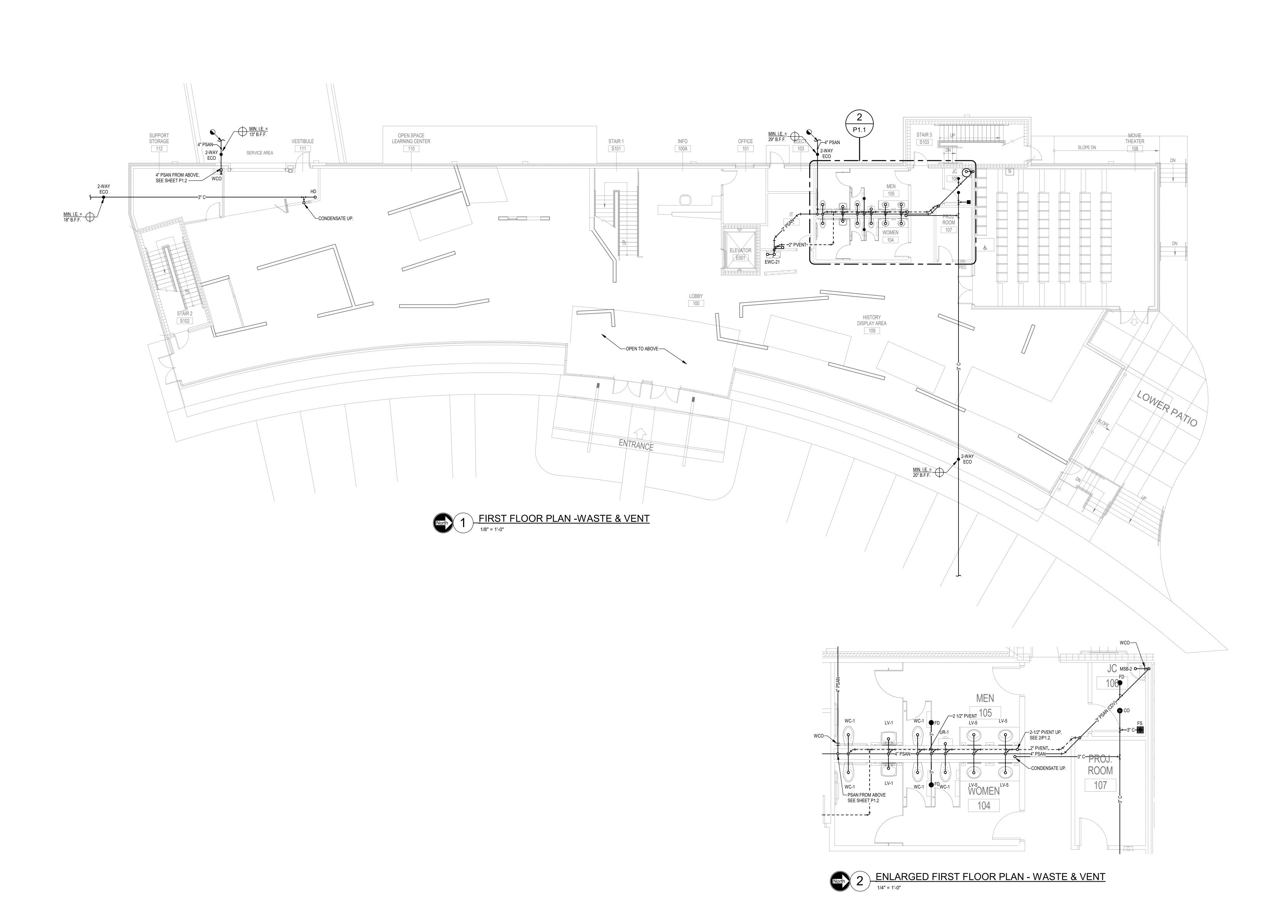
CRA Project #______**24029**

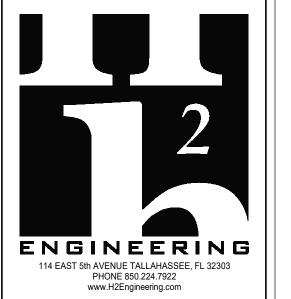
CONSTRUCTION DOCUMENTS

GENERAL NOTES, **LEGENDS & SCHEDULES**

P0.1

100% CD





FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL.



Clemons, Rutherford, & Associates, Inc.

Architects

Architects
Planners
Interior Designers
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CRA Project # 24029

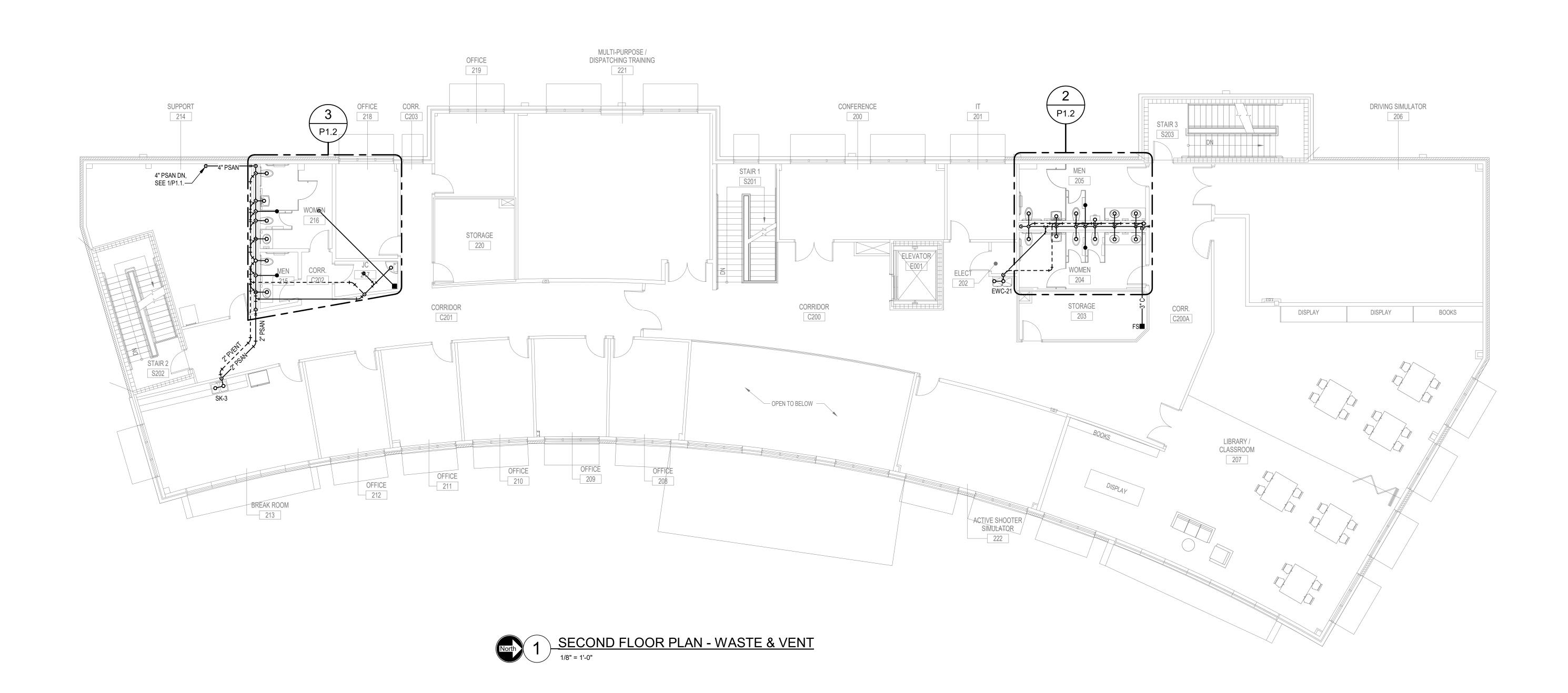
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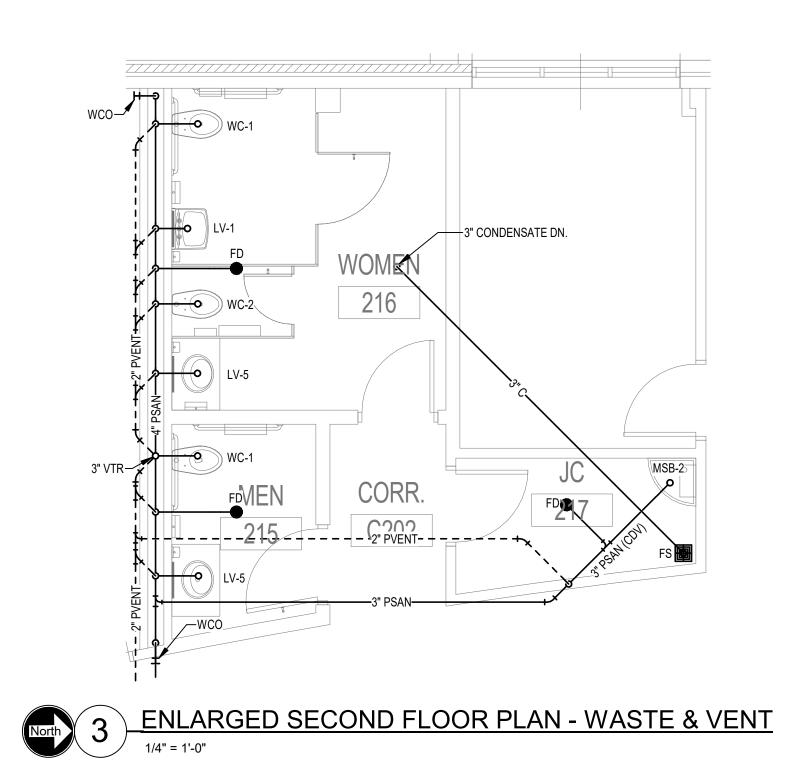
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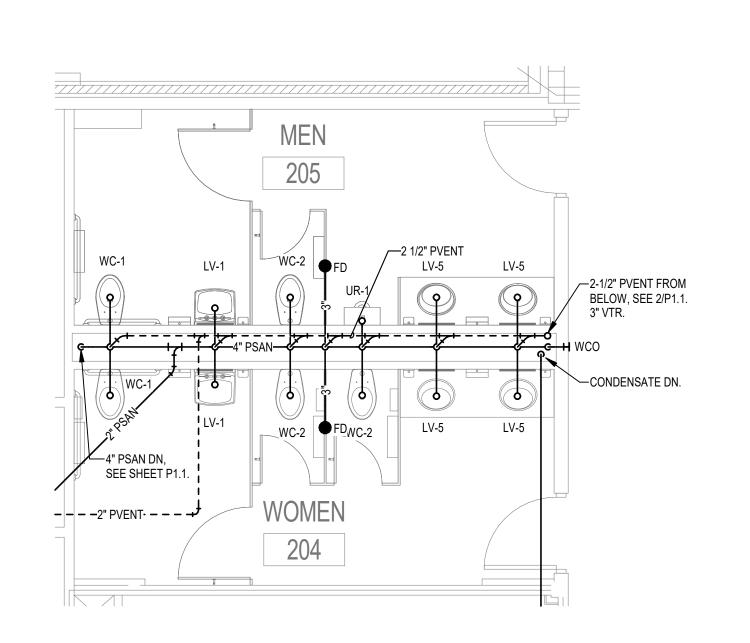
SHEET TITLE

YOUTH LEARNING

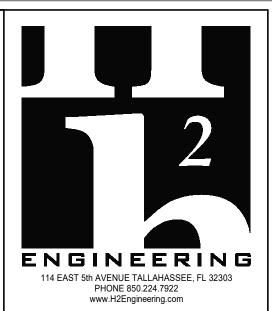
CENTER - 1ST FLOOR
PLAN - WASTE
P1.1











FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

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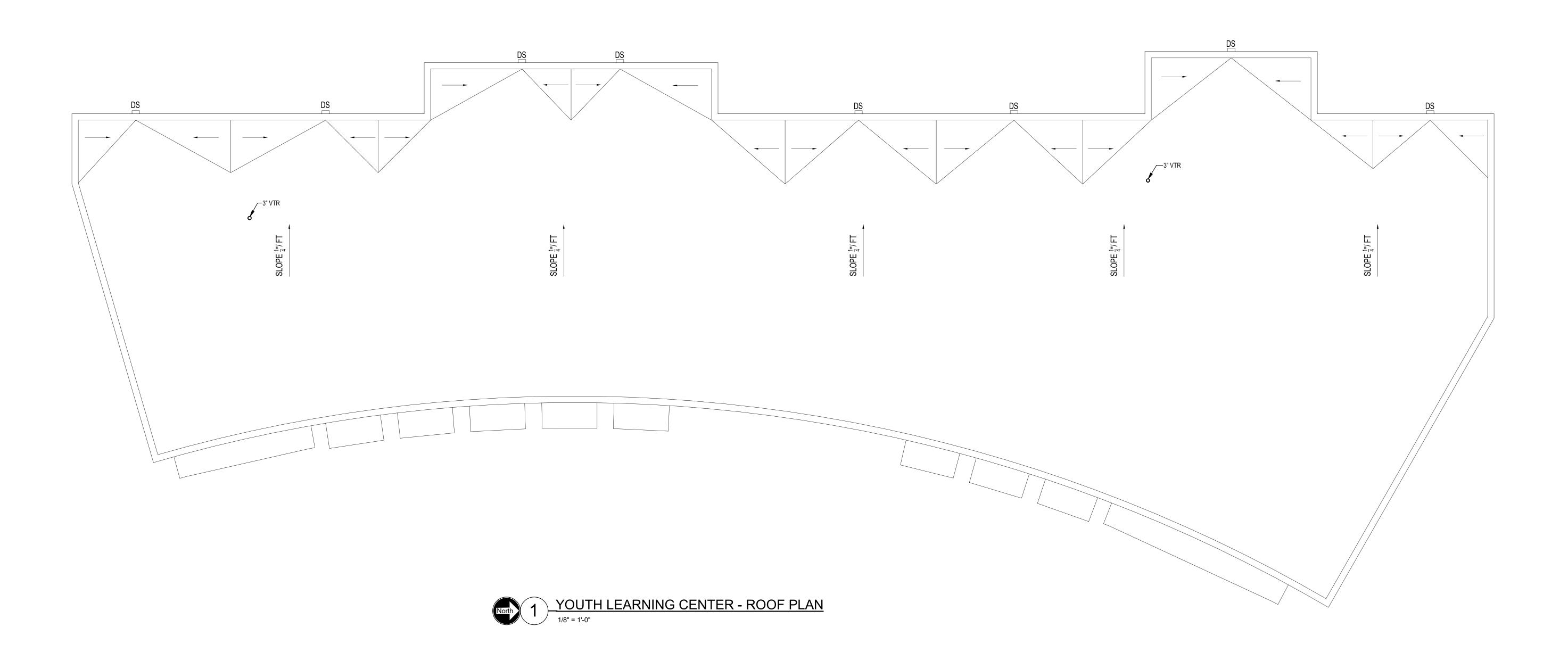
Revision

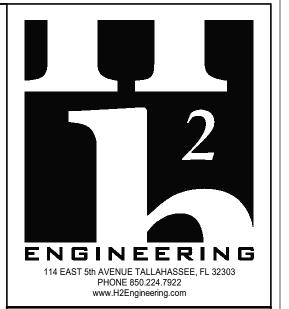
Description

CRA Project # **24029**

Phase: CONSTRUCTION DOCUMENTS

YOUTH LEARNING
CENTER - 2ND FLOOR
PLAN - WASTE
P1.2





FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL.



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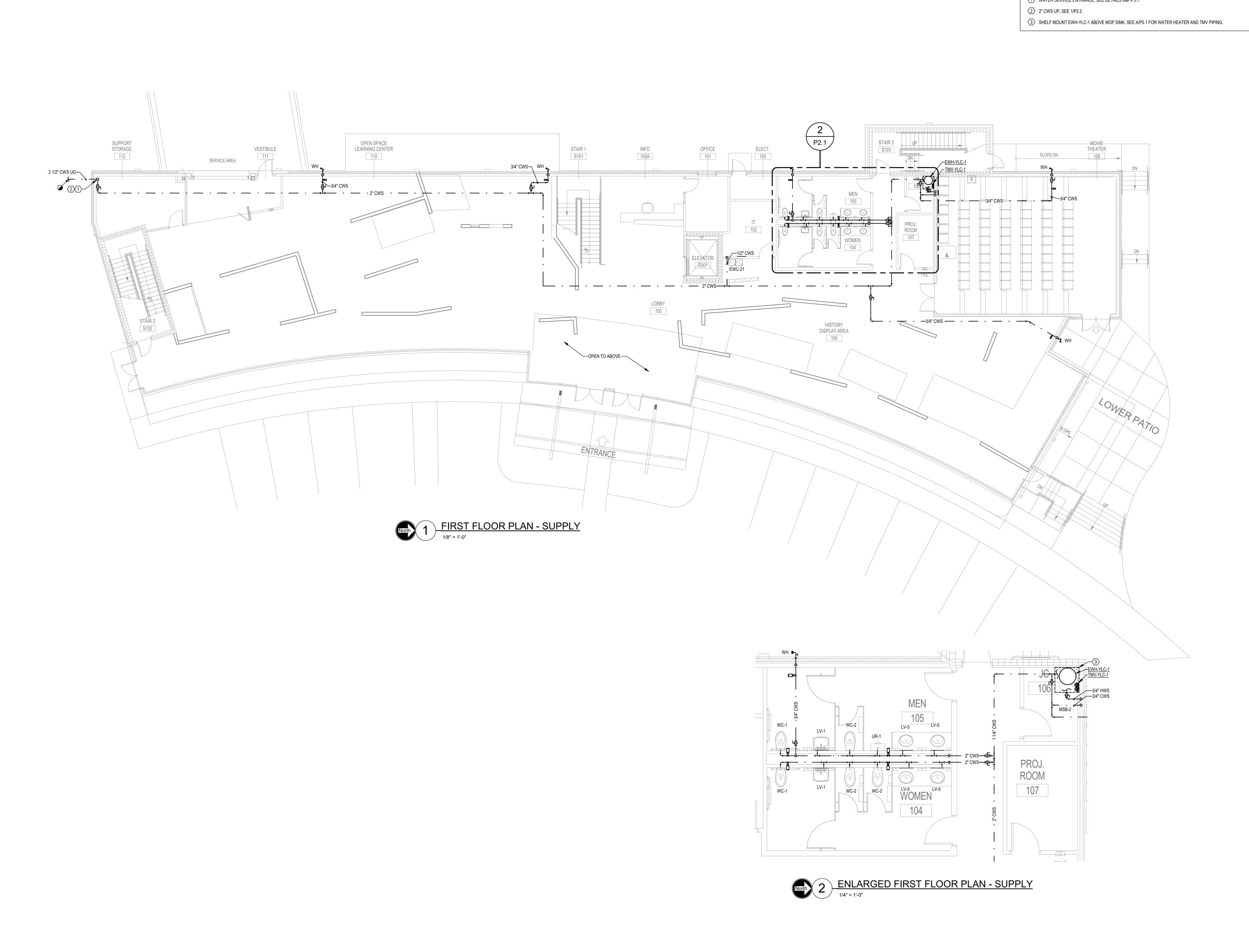
Revision

Description

nase: CONSTRUCTION DOCUMENTS

YOUTH LEARNING CENTER - ROOF PLAN

P1.3



KEYED NOTES: 1 WATER SERVICE ENTRANCE, SEE DETAILS B&F/P5.1.

ENGINEERING

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PHONE 850.224.7922
www.H2Engineering.com

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Architects **Planners** Interior Designers Construction Managers 2027 Thomasville Road Tallahassee, <u>F</u>lorida 32308 phone 850-385-6153

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Revision

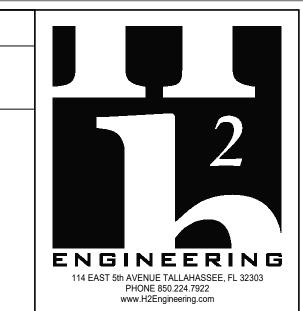
CRA Project # **24029**

e: CONSTRUCTION DOCUMENTS

YOUTH LEARNING **CENTER - 1ST FLOOR PLAN - SUPPLY** P2.1

KEYED NOTES:

- 2" CWS FROM BELOW, SEE 1/P2.1.
- 2 SHELF MOUNT EWH-YLC-2 ABOVE MOP SINK. SEE A/P5.1 FOR WATER HEATER AND TMV PIPING.



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07-18-25 SPD RDR

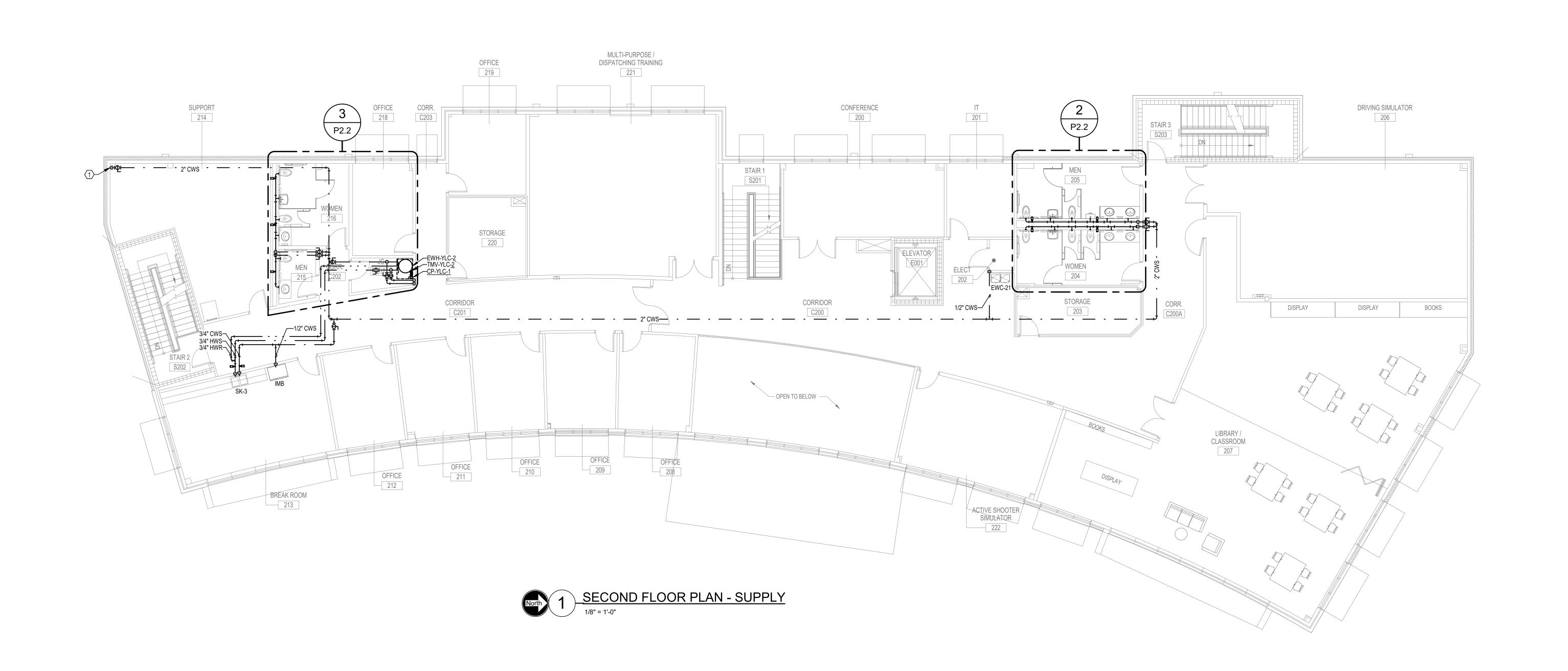
Revision

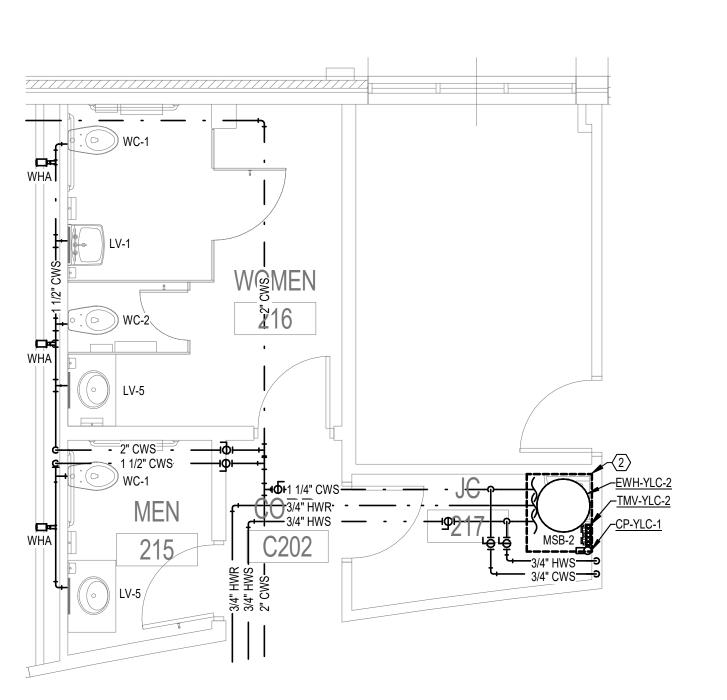
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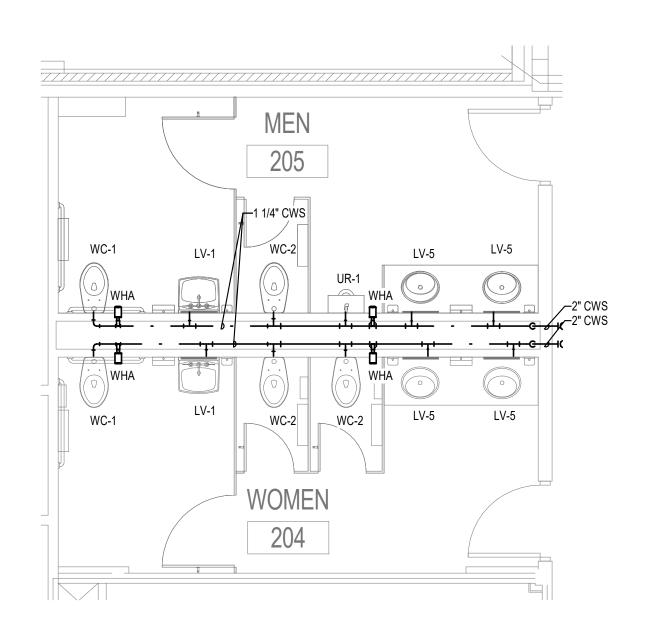
... CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING **CENTER - 2ND FLOOR PLAN - SUPPLY P2.2**



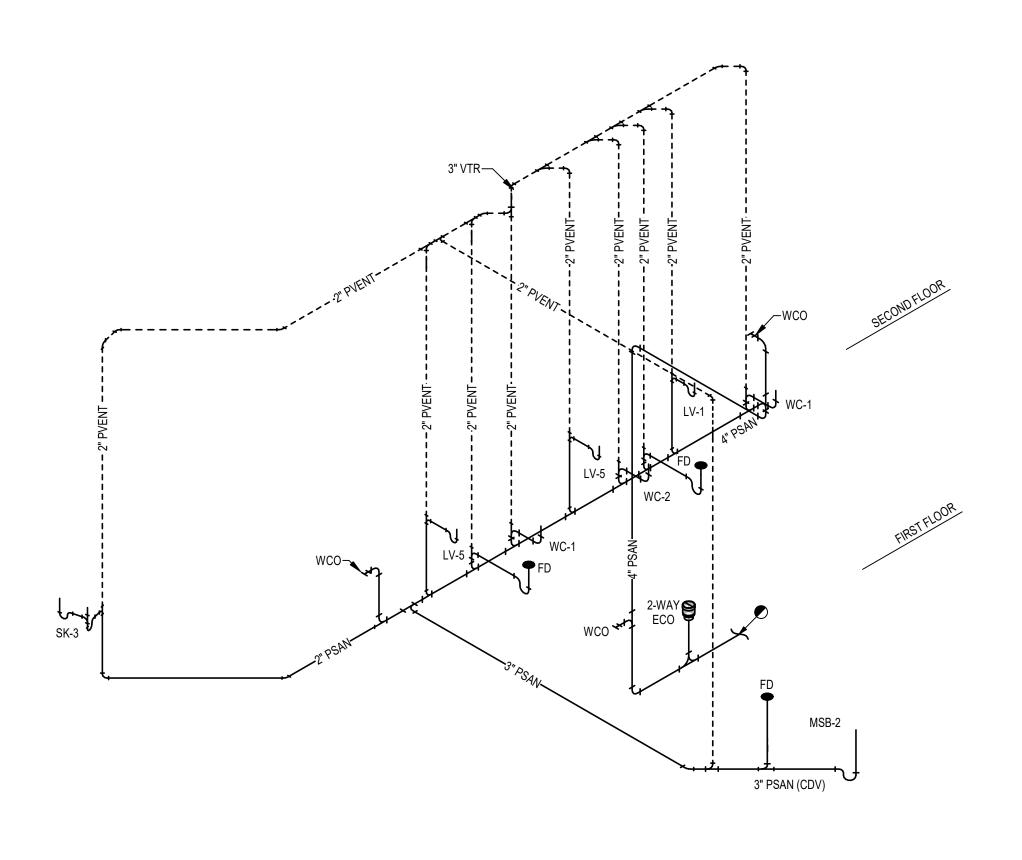




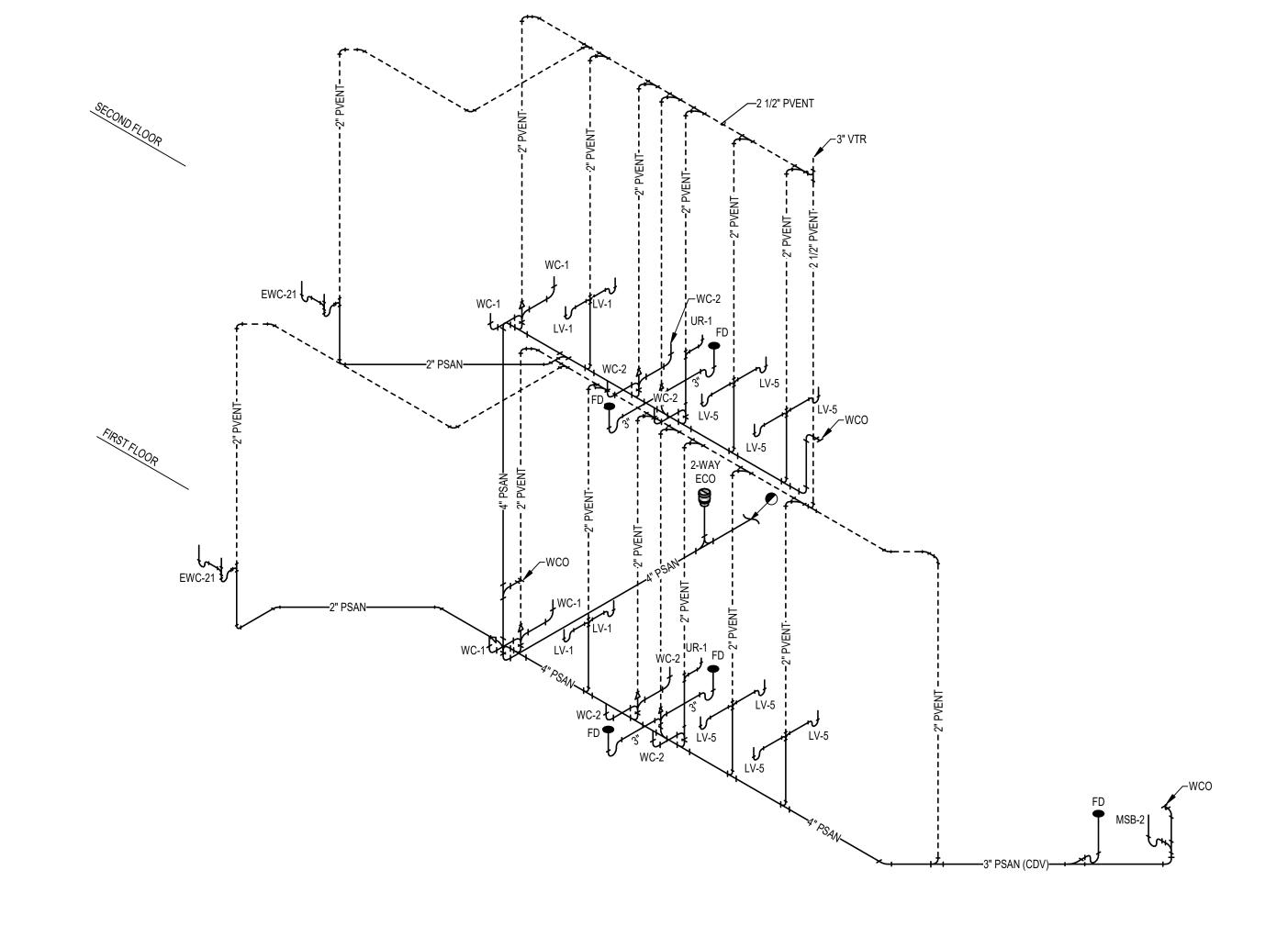


2 ENLARGED SECOND FLOOR PLAN - SUPPLY

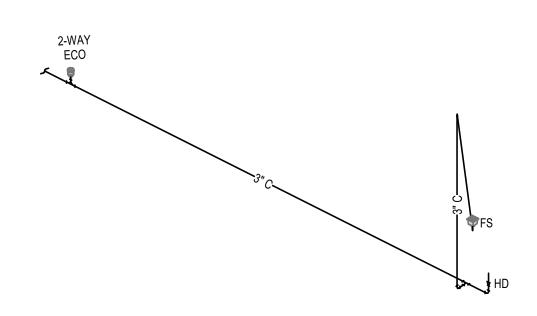
1/4" = 1'-0"



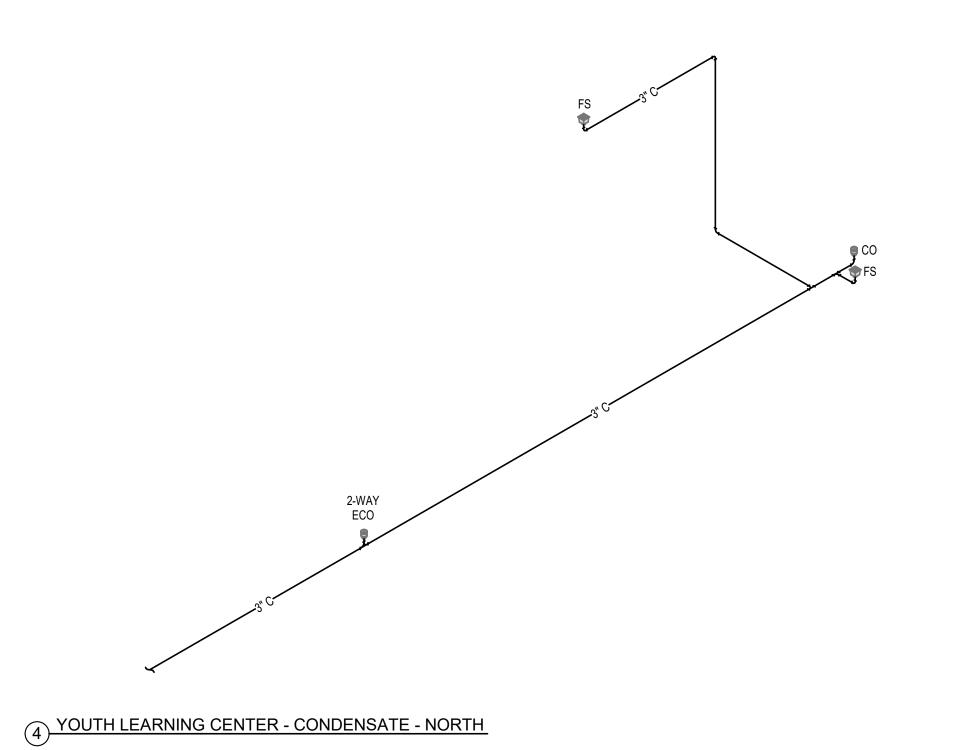
2 YOUTH LEARNING CENTER - WASTE & VENT - SOUTH



1 YOUTH LEARNING CENTER - WASTE & VENT - NORTH



3 YOUTH LEARNING CENTER - CONDENSATE - SOUTH



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FLORIDA
SHERIFFS YOUTH
LEARNING
CENTER AND
BLACKBURN-HUNT
BUILDING

MAHAN DRIVE TALLAHASSEE, FL.



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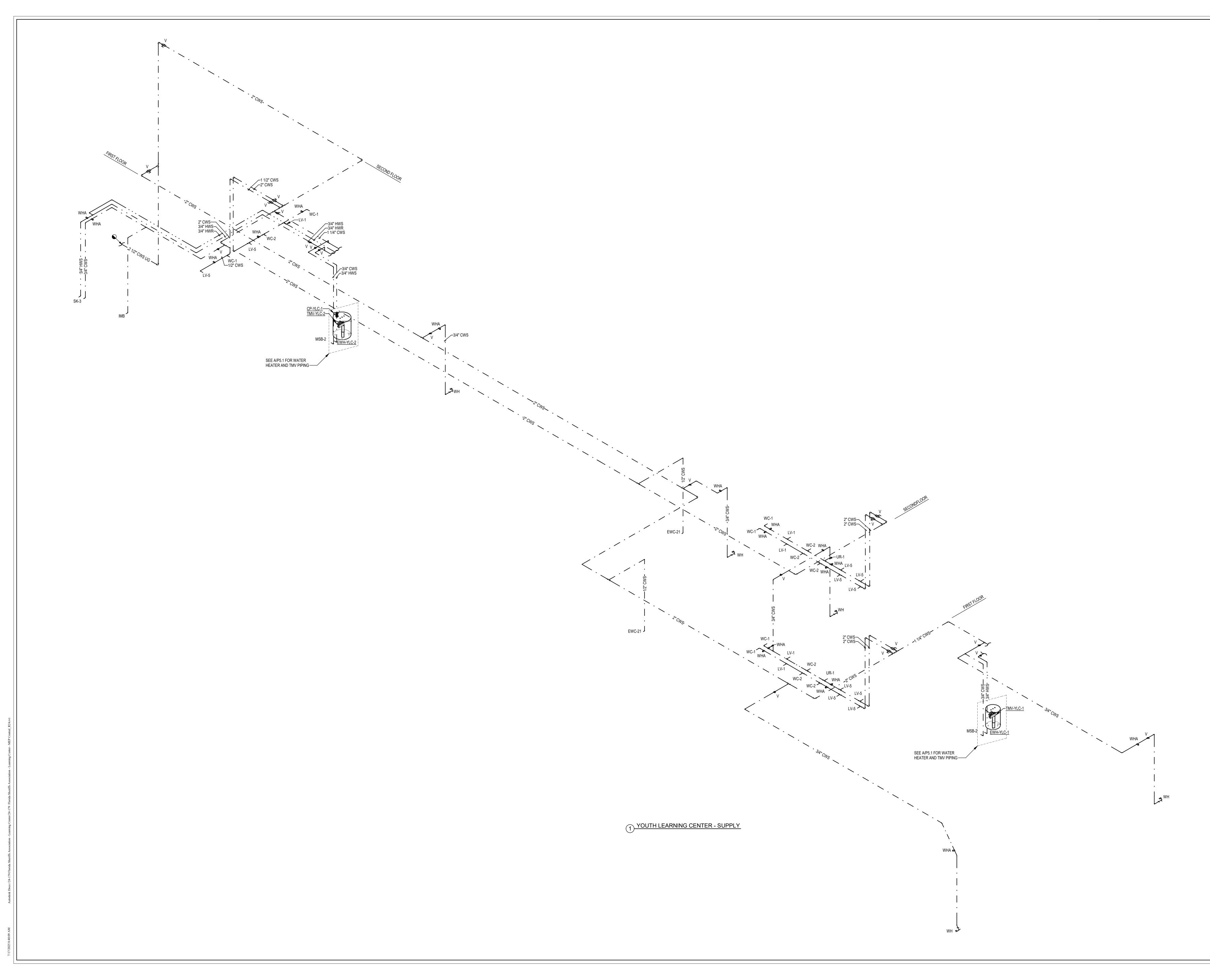
Revision

Description

Phase: CONSTRUCTION DOCUMENTS

YOUTH LEARNING
CENTER - WASTE & VENT
RISERS

P3.1





FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL.



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Revision

Description

CRA Project #______**24029**

Phase: CONSTRUCTION DOCUMENTS

YOUTH LEARNING
CENTER - SUPPLY
RISERS
P3.3

			10/0	OTE	SUPPLY					
TIXTURE TYPE		QUANTITY	WA	STE	CC	DLD	НОТ		ТО	TAL
			UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL
	DRINKING FOUNTAIN	2	0.5	1	0.25	0.5			0.25	0.5
	LAVATORY (COLD WATER)	15	1	15	2	30			2	30
	SINK	1	2	2	2	2	2	2	3	3
	MOP SERVICE BASIN	2	2	4	2.25	4.5	2.25	4.5	3	6
	URINAL (3/4" VALVE)	2	4	8	5	10			5	10
	WATER CLOSET (FLUSH VALVE)	13	6	78	10	130			10	130
	HOSE BIBB / WALL HYDRANT	7			4	28			4	28
	FLOOR DRAIN	8	2	16						
	REFRIGERATOR / ICE MAKER	1			1	1			1	1
TOTAL FIXTURE UN	IITS	'		124		206		7		209
DOMESTIC WATER	DEMAND (GPM)					91.3		5.9		91.9

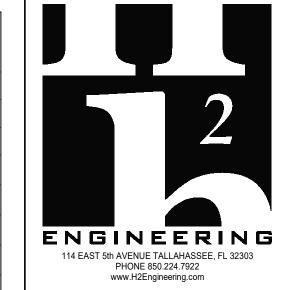
DESIGNAT	ION		TMV-YLC-1	TMV-YLC-2
	APPLICATION		MED / LOW	MED / LOV
	SET-POINT	°F	110	110
	MINIMUM FLOW	GPM	0.5	0.5
	MAXIMUM FLOW	GPM	3.5	3.5
	PRESSURE DROP @ MAX FLOW	PSI	5	5
	RECIRCULATED SYSTEM		YES	YES
	ASSE COMPLIANCE		1017	1017
MANUFAC	TURER		LAWLER	LAWLER
MODEL NU	IMBER		61-15	61-15
DETAIL REFERENCE			A/P5.1	A/P5.1

ERVICE APACITY DTAL DYNAMIC HEAD HUT-OFF HEAD HMP SEAL DTOR SPEED	GPM FT. FT.	DHW 4 27 35 MECHANICA
OTAL DYNAMIC HEAD HUT-OFF HEAD HMP SEAL	FT.	27 35
HUT-OFF HEAD JMP SEAL	FT.	35
IMP SEAL		
		MECHANICA
OTOR SPEED		
	RPM	3,250
OTOR HORSEPOWER	HP	1/8
OTOR WINDING		FULL
ECTRICAL CHARACTERISTICS	V / PH	120 / 1
DTES		1
	·	TACO
		009-SF5
		A/P5.1
	OTOR WINDING LECTRICAL CHARACTERISTICS DTES ROVIDE TACO 00 TIMER/AQUASTAT WITH 7 DAY DIGITAL PROGRAM	OTOR WINDING LECTRICAL CHARACTERISTICS V/PH

ESIGNATI	ION		EWH-YLC-1	EWH-YLC-2
	STORAGE	GAL	15	15
	HEATING ELEMENT INPUT (EACH)	kW	3.0	3.0
	NUMBER OF ELEMENTS	#	1	1
	SIMULTANEOUS OPERATION OF ELEMENTS		NO	NO
	TOTAL HEATING INPUT	kW	3.0	3.0
	ENTERING WATER TEMPERATURE	°F	65	65
	LEAVING WATER TEMPERATURE	°F	140	140
	TEMPERATURE RISE	°F	75	75
	RECOVERY RATE	GPH	16	16
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	208 / 1
ANUFACT	Anufacturer		A.O. SMITH	A.O. SMITH
ODEL NU	MBER		DEL-15	DEL-15
ETAIL RE	FERENCE		A/P5.1	A/P5.1

PROVIDE LOW WATER CUT-OFF.

CONTRACTOR AND INSTALL PER MANUFACTURER INSTRUCTIONS.



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> Revision Description

CRA Project # **24029** se: CONSTRUCTION

DOCUMENTS

SHEET TITLE
SCHEDULES

P4.1

PLUMBING FIXT	TURE 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
DR-SK-STD	TYPE 304 STAINLESS STEEL DRAIN, REMOVEABLE CONICAL STRAINER BASKET, 1-1/2" STAINLESS STEEL OFFSET TAILPIECE.	ELKAY: LK35/LK53/LKAD35 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
FCT-LV-0.5-AUTO-W	SINGLE INLET, DECK MOUNTED FAUCET, A.D.A. COMPLIANT, 4" CENTERSET, POLISHED CHROME PLATED BRASS, LEAD FREE, HARDWIRED, SENSOR OPERATED, 0.5 GPM AERATOR WITH PRESSURE COMPENSATING FLOW CONTROL. PROVIDE 10'-0" EXTENSION CABLE, Y-CONNECTOR, AND ONE TRANSFORMER FOR UP TO 10 FAUCETS OR FLUSH VALVES.	AMERICAN STANDARD: 605B.205 OR APPROVED EQUAL
FCT-MSB	SERVICE SINK FAUCET, POLISHED CHROME PLATED BRASS, BUILT-IN STOPS, VACUUM BREAKER, LEVER HANDLES, WALL BRACE, 3/4" HOSE OUTLET.	T&S BRASS: B-0665-BSTP OR APPROVED EQUAL
FCT-SK-1.5-GEN-SPRAY	SINGLE LEVER DECK MOUNTED FAUCET, POLISHED CHROME PLATED BRASS, 9" SWING SPOUT, 1.5 GPM AT 80 PSI AERATOR, HOSE AND SPRAY, SOFT-CLOSING VALVE WITH INTEGRAL FLOW CONTROL AND ADJUSTABLE STOP TO RESTRICT EXTREME TEMPERATURES. PROVIDE COVER PLATE.	T&S BRASS: B-2730 OR APPROVED EQUAL
FD-SH	FLOOR DRAIN FOR SHOWER, 2" OUTLET	0
FV-0.125-AUTO-B	EXPOSED AUTOMATIC URINAL FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 0.125 GPF, BATTERY POWERED, SENSOR OPERATED, 3/4" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6063.013.002 OR APPROVED EQUAL
FV-1.6-AUTO-B	EXPOSED AUTOMATIC WATER CLOSET FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 1.6 GPF, BATTERY POWERED, SENSOR OPERATED, 1" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6065.161.002 OR APPROVED EQUAL
HGR-MSB	STAINLESS STEEL HANGER, WITH THREE RUBBER TOOL GRIPS.	FIAT: 889CC OR APPROVED EQUAL
HOSE-MSB	HEAVY DUTY, FLEXIBLE HOSE, 5/8" RUBBER, CLOTH REINFORCED, 3/4" BRASS COUPLING, TYPE 302 STAINLESS STEEL BRACKET WITH RUBBER GRIP.	FIAT: 832AA OR APPROVED EQUAL
RMGD-MSB	ALUMINUM RIM GUARD.	FIAT: 1239BB 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
TMV-LV-95	EXPOSED ROUGH BRONZE, THERMOSTATIC MIXING VALVE, ADJUSTABLE LIMIT STOP, ASSE 1070, LISTED FOR POINT OF USE APPLICATION. SET OUTLET TEMPERATURE TO 95°F.	LAWLER: 570 OR APPROVED EQUAL
TMV-SK	EXPOSED ROUGH BRONZE, THERMOSTATIC MIXING VALVE, ADJUSTABLE LIMIT STOP, ASSE 1070, LISTED FOR POINT OF USE APPLICATION. SET OUTLET TEMPERATURE TO 110°F.	LAWLER: 570 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
TR-SK-STD	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/2" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	KOHLER: K-9000-CP OR APPROVED EQUAL
TSI-FD	POLYMER INLINE TRAP SEAL INSERT FOR SHOWER DRAIN, 2" OUTLET	JOSAM: 88240 OR APPROED EQUAL

PLUMBING	FIXTURE SCHEDULE									
FIXTURE DESIGNATION	FIXTURE DESCRIPTION	A.D.A. COMPLIANT	MOUNTING METHOD	HEIGHT (A.F.F.)	COLD WATER	ROUGH-IN	PIPE SIZES		MANUFACTURER AND MODEL NUMBER	ACCESSORIES (SEE SCHEDULE)
WC-1	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	FLOOR	RIM: 16-1/2"	SUPPLY 1"	SUPPLY N/A	FIXTURE TRAP	FIXTURE DRAIN 4"	AMERICAN STANDARD: 3043.001 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.6-AUTO-B
WC-2	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.	NO	FLOOR	RIM: 15"	1"	N/A	4"	4"	AMERICAN STANDARD: 2234.001 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.6-AUTO-B
UR-1	FLUSH VALVE URINAL, ULTRA HIGH EFFICIENCY (0.125 - 1.0 GPF), VITREOUS CHINA, WASHOUT FLUSHING ACTION, 3/4" TOP SPUD. COLOR: WHITE.	YES	WALL	RIM: 17"	3/4"	N/A	2"	2"	AMERICAN STANDARD: 6590.001 OR APPROVED EQUAL	FV-0.125-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
LV-1.1	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"	1/2"	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-AUTO-W DR-LV-C TR-LV TMV-LV-95
LV-5	LAVATORY, 20"x17" OVAL, VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), SELF-RIMMING. COLOR: WHITE.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0440.444.EC OR APPROVED EQUAL	FCT-LV-0.5-AUTO-W DR-LV-C TR-LV
LV-5.1	LAVATORY, 20"x17" OVAL, VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), SELF-RIMMING. COLOR: WHITE.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/4"	2"	AMERICAN STANDARD: 0440.444.EC OR APPROVED EQUAL	FCT-LV-0.5-AUTO-W DR-LV-C TR-LV TMV-LV-95
SK-1	SINGLE COMPARTMENT SINK, SELF-RIMMING, 22"x19-1/2", 18"x14"x5-1/2" DEEP BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 8" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: LRAD221955-4 OR APPROVED EQUAL	FCT-SK-1.5-GEN-SPRAY DR-SK-STD TR-SK-STD TMV-SK
SK-3	DOUBLE COMPARTMENT SINK, SELF-RIMMING, 33"x22", 16"x13-1/2"x5" DEEP BOWLS, 18 GAUGE TYPE 302 STAINLESS STEEL, SATIN FINISH, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 8" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: LRAD332250 OR APPROVED EQUAL	FCT-SK-1.5-GEN-SPRAY DR-SK-STD TR-SK-STD TMV-SK
MSB-2	MOP SERVICE SINK BASIN, 24"L x 24"W x 12"H, WITH 2" WIDE SHOULDERS, 1/4" PITCH TOWARD INSIDE, PRECAST TERRAZZO (MINIMUM 3,000 PSI @ 7 DAYS), SURFACE GROUND AND POLISHED WITH ALL HOLES AND PITS GROUTED AND WITH EXCESS REMOVED. COLOR: BLACK & WHITE MARBLE CHIPS IN GRAY PORTLAND CEMENT.	NO	FLOOR		1/2"	1/2"	3"	3"	FIAT: TSB-200 OR APPROVED EQUAL	FCT-MSB RMGD-MSB HOSE-MSB HGR-MSB
IMB	ICE MAKER HOOK-UP BOX, 20 GAUGE STEEL, WHITE POWDER-COATED, ALL WELDED WATER TIGHT CONSTRUCTION, COLD WATER SUPPLY VALVE WITH 1/2" COPPER SWEAT INLET AND 1/4" COMPRESSION OUTLET AND WATER HAMMER ARRESTER.	N/A	WALL RECESSED		1/2"	N/A	N/A	N/A	GUY GRAY: MIB1HAAB OR APPROVED EQUAL	
WH	EXTERIOR WALL HYDRANT, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, WITH INTEGRAL BACKFLOW PREVENTER, ALL BRONZE INTERIOR PARTS, 3/4" INLET, 3/4" HOSE THREAD OUTLET, STAINLESS STEEL FACE AND OPERATING KEY.	N/A	WALL RECESSED		3/4"	N/A	N/A	N/A	0	
EWC-21	ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION, FILTERED, BARRIER-FREE, TYPE 304 STAINLESS STEEL BASIN, BRUSHED FINISH, VANDAL-RESISTANT BUBBLER, STAINLESS STEEL CABINET AND CANE APRON, LEAD-FREE WATERWAYS, SELF CONTAINED SYSTEM (R-134A REFRIGERANT) DELIVERS MIN. 8 GPH OF 50°F WATER @ 80°F. INLET WATER AND 90°F AMBIENT AIR, 120V/1PH. BOTTLE FILLING STATION: ELECTRONIC SENSOR ACTIVATED WITH AUTOMATIC 20-SECOND SHUT-OFF TIMER AND BOTTLE COUNTER. DELIVERS MIN. 1 GPM FLOW RATE WITH LAMINAR FLOW. ANTI-MICROBIAL PLASTIC COMPONENTS.	YES	WALL SURFACE	SPOUT: 38" / 32" CHILDREN'S ADA SPOUT: 30"	1/2"	N/A	1-1/4"	2"	ELKAY: LZSTLG8WSSK OR APPROVED EQUAL	
SH-1	SHOWER: SINGLE HANDLE PRESSURE BALANCED THERMOSTATIC MIXING VALVE WITH CERAMIC CARTRIDGE, INTEGRAL VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, TWO SERVICE STOPS/CHECK STOPS. TWO-WAY BRASS DIVERTER VALVE. SHOWER HEAD WITH INTEGRAL 2.5 GPM @ 80 PSI FLOW CONTROL, ADJUSTABLE PATTERN, ARM AND WALL FLANGE. HAND HELD SHOWER WITH 69" FLEXIBLE METAL HOSE. 36" MOUNTING SLIDE BAR WALL CONNECTION. ALL EXPOSED METALLIC TRIM IS POLISHED CHROME PLATED NICKEL.	YES	WALL	VALVE: 38" TO 48" (OPTIONAL)	1/2"	1/2"	3"	3"	DELTA: T17TH155-25 OR APPROVED EQUAL	FD-SH TSI-FD
SH-2	SHOWER: SINGLE HANDLE PRESSURE BALANCED THERMOSTATIC MIXING VALVE WITH CERAMIC CARTRIDGE, INTEGRAL VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, TWO SERVICE STOPS/CHECK STOPS. BUILT-IN REVERSE CONNECTION. SHOWER HEAD WITH INTEGRAL 1.75 GPM @ 80 PSI FLOW CONTROL, ADJUSTABLE PATTERN, ARM FLANGE. ALL EXPOSED METALLIC TRIM IS POLISHED CHROME PLATED NICKEL.	NO	WALL	VALVE: 38" TO 48" (OPTIONAL)	1/2"	1/2"	3"	3"	DELTA: T17TH125 OR APPROVED EQUAL	FD-SH TSI-FD

NOTES:

- SUPPLY STOPS: CHROME-PLATED-BRASS, ONE-QUARTER TURN, BALL-TYPE OR COMPRESSION VALVE WITH INLET MATCHING SUPPLY PIPING.
- 2 FLEXIBLE CONNECTIONS: ASME A112.18.6 BRAIDED- OR CORRUGATED-STAINLESS STEEL, FLEXIBLE HOSE RISER.
- 3 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.
- 4 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.

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MAHAN DRIVE TALLAHASSEE, FL.



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Submittal

Phase Date Drw Chk

DESIGN DEVELOPMENT 02-28-25 SPD RDR

50% CD 04-15-25 SPD RDR

07-18-25 SPD RDR

Revision

100% CD

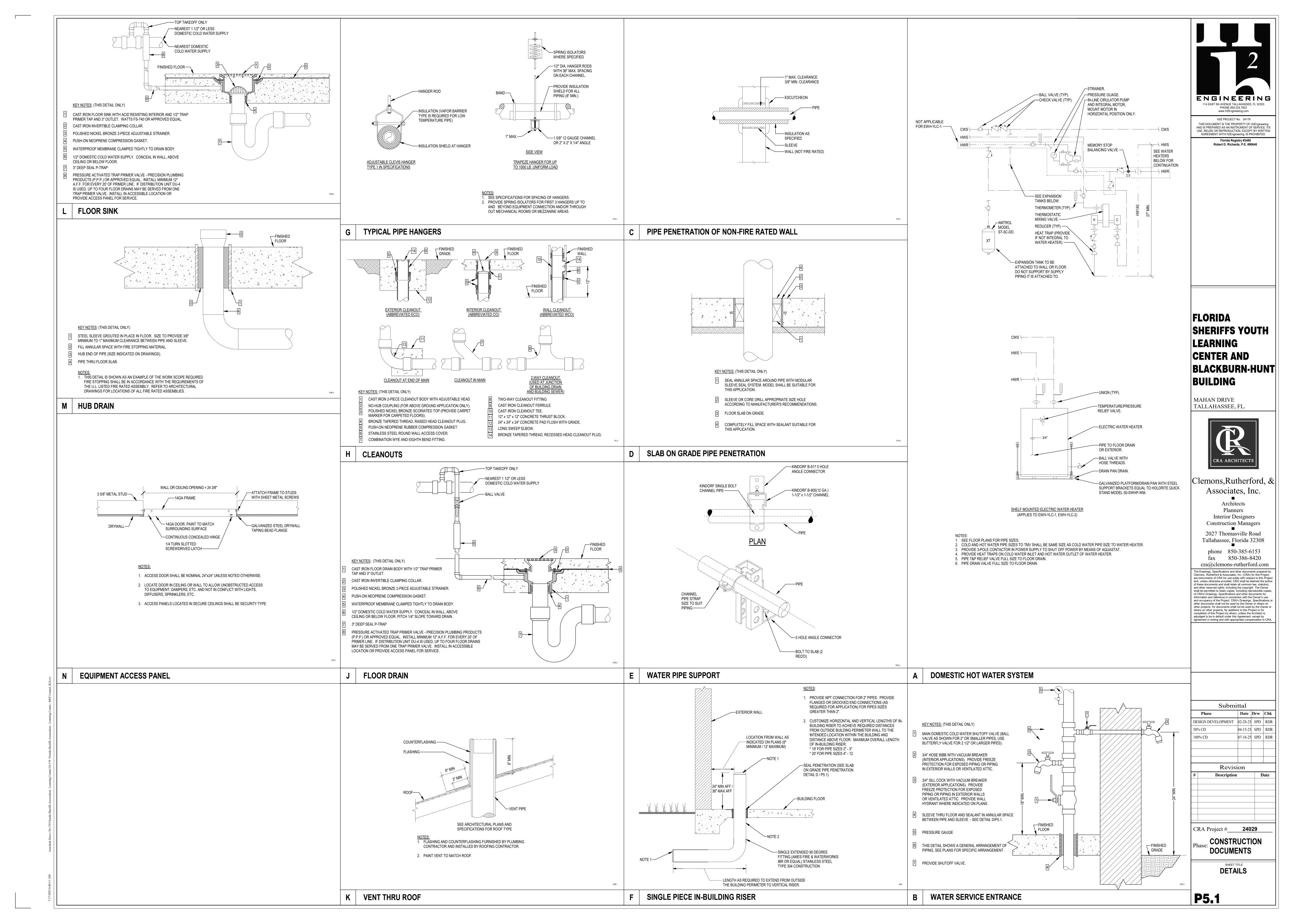
Revision

Description

CRA Project #______**24029**

hase: CONSTRUCTION DOCUMENTS

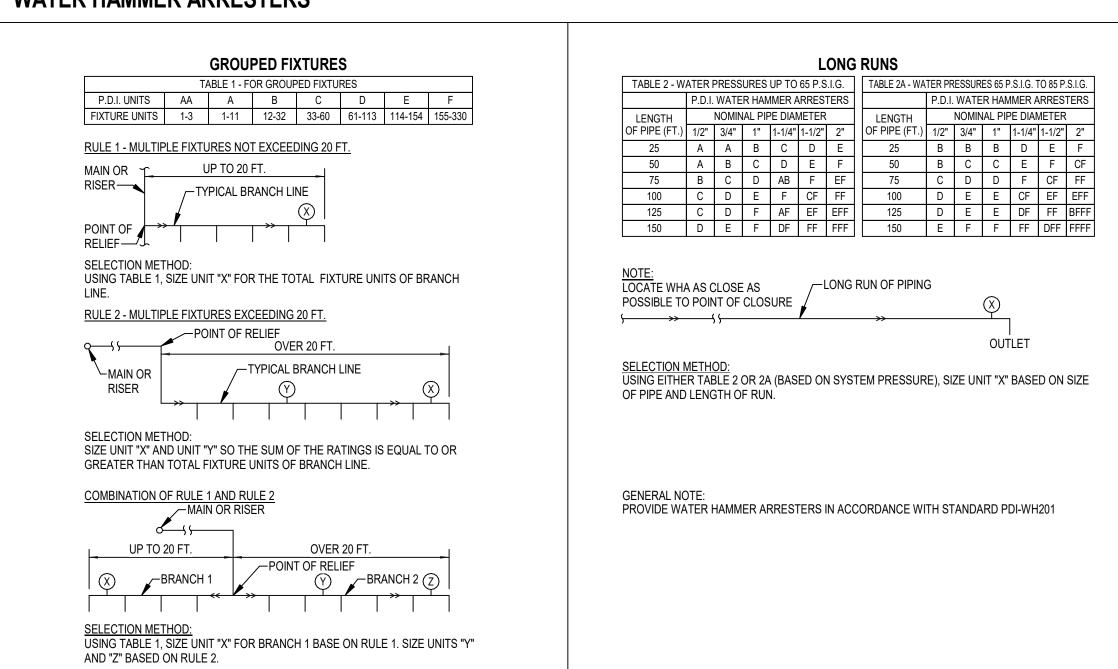
SHEET TITLE
SCHEDULES



FIRESTOP S	CHEDU	JLE OF THROUGH PENETRA		,		
TYPE OF PENETRANT	F-RATING	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS	
THEOTIENERWIT	(HR)		BASIS OF DESIGN UL SYSTEM		THE IT I NOBOOTO	
CIRCULAR BLANK OPENINGS	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090		CD 690 CD 640 ES ONE MAY CES DI	
(0000-0999)	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090		- CP 680, CP 618, FS-ONE MAX, CFS- BL	
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-	
(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	
NON-METALLIC PIPE OR	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,	
CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (2000-2999)	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	
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	CD 690 ES ONE MAY MINEDAL WOOL	
(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	
	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		
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	

- 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. 4. 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.

WATER HAMMER ARRESTERS



PIPING AN	D FITTINGS	PLUMBING NOTES	GENERAL NOTES
 3	CAP	INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE AND LOCAL PLUMBING	DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS
	ELBOW TURNED UP	CODES. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION	CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
 ə	ELBOW TURNED DOWN	DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN. 2. ALL MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE	 FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET I CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE
—o —	TEE, OUTLET UP	SPECIFICATIONS THAT REQUIRE PIPING OR DUCT CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.	ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
	TEE, OUTLET DOWN	3. PRESSURE TEST ALL WATER PIPING SYSTEMS AT 150% OF NORMAL WORKING PRESSURE.	3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISE
	NEW PIPE	4. ALL COPPER PRESSURE PIPE SHALL BE SOLDERED ENTIRELY WITH LEAD-FREE SOLDER. 5. INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE.	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
_	SANITARY, SOIL OR WASTE PIPING	6. ALL FLOOR DRAINS AND FLOOR SINKS SHALL HAVE MINIMUM 3" DRAIN LINES, DEEP SEAL TRAPS AND AUTOMATIC TRAP PRIMERS (MANUFACTURER: PRECISION PLUMBING PRODUCTS).	MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
	SANITARY VENT PIPING	7. WATER HAMMER ARRESTER'S SHALL BE INSTALLED IN ACCORDANCE WITH PDI-WH201.	4. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYS
——GR———	GREASE LADEN WASTE PIPING	8. ALL HOSE BIBBS, SILL COCKS AND/OR FAUCETS WITH HOSE CONNECTIONS SHALL HAVE A VACUUM BREAKER.	DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK. 5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK.
	COLD WATER SUPPLY PIPING	9. GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE	OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES. 6. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
	HOT WATER SUPPLY PIPING	STARTED AT HIGHEST POINT POSSIBLE. 10. ALL WATER PIPING SUBJECT TO FREEZING SHALL BE FREEZE PROTECTED. THIS INCLUDES ALL PIPING	7. ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING
HW140	140° HOT WATER SUPPLY PIPING	IN UNHEATED SPACES SUCH AS EQUIPMENT ROOMS, CHASES, ATTICS, SOFFITS, CRAWL SPACES, EXTERIOR WALLS, CEILINGS, ETC.	DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCT
	HOT WATER RECIRCULATION PIPING	11. INSULATE EXTERIOR ABOVE GRADE WATER PIPING WITH CELLULAR GLASS. SEE SPECS.	VEHICLE ACCESS AND EGRESS LOCATIONS. 8. COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A
C	(COOLING COIL) CONDENSATE DRAIN PIPING	12. DO NOT LOCATE FLOOR DRAINS/SINKS UNDER EQUIPMENT. COORDINATE EXACT LOCATION OF DRAINS/SINKS WITH EQUIPMENT FURNISHED.	COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
нв 💤	HOSE BIBB	13. ALL PLUMBING VENTS SHALL BE 2" MINIMUM, UNLESS NOTED OTHERWISE. 14. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE OR OTHER DEVICE REQUIRING SERVICE	9. 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
WH 🚰	WALL HYDRANT	IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANEL SHALL BE FIRE	WORK. 10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE.
WHA #	WATER HAMMER ARRESTER - SEE DETAIL THIS SHEET	RATED IF INSTALLED IN A FIRE RATED CEILING OR WALL. 15. A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE, SOIL STACK OR RAIN LEADER,	OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND
FD 💮	FLOOR DRAIN - SEE DETAIL J/P5.1	WHETHER SHOWN ON THE DRAWINGS OR NOT. 16. ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED	SECURITY OF ALL EQUIPMENT AND MATERIALS. 11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN
FS 🖷	FLOOR SINK - SEE DETAIL L/P5.1	WITH A RELIEVING ARCH, OR A PIPE SLEEVE. SLEEVE SHALL BE BUILT INTO THE FOUNDATION WALL.	CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MAI 12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF
WCO œ-н	WALL CLEAN OUT - SEE DETAIL H/P5.1	THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.	CONSTRUCTION.
CO ⊖	CLEAN OUT - SEE DETAIL H/P5.1	ADDITIONAL E CODEO	13. 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.
	CIRCULATOR PUMP	APPLICABLE CODES	WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AN SAMPLES".
VALVES		PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES.	14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMEN
VALVES		ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.	OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY
	BALL VALVE (WITH QUARTER TURN HANDLE)	1. ASHRAE	INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AN THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE
	BUTTERFLY VALVE (WITH QUARTER TURN HANDLE)	a. STANDARD 15 SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019 b. STANDARD 55 THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2017	CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP
<u>⊢</u> N.O.	,	c. STANDARD 62.1 VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2019 d. STANDARD 90.1 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL	DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
√	CHECK VALVE	BUILDINGS - 2019	15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED
VALVE ACTUATORS.	QUARTER TURN LEVER	e. STANDARD 170 VENTILATION OF HEALTH CARE FACILITIES - 2017	DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
	QUARTER TURN LEVER	2. ASME	16. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS SHALL BE STRUCTURAL SYSTEMS ONLY.
MEASURE	MENTS AND CONTROLS	a. ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2019	17. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBL
	T	3. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).	18. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEV AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLE
	PRESSURE GAUGE AND ISOLATION VALVE	4. NATIONAL FIRE CODES	BY THIS CONTRACTOR. 19. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY
•	MEMORY STOP FLOW CONTROL VALVE	a. NFPA 1 FIRE CODE - 2021 (FLORIDA EDITION) b. NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM - 2019	PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB S
2.0	(NUMBER INDICATES FLOW IN GPM)	c. NFPA 25 STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER- BASED FIRE PROTECTION SYSTEMS - 2020	AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS. 20. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DAT
	THERMOMETER	d. NFPA 70 NATIONAL ELECTRICAL CODE - 2020	OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
M	METER (WATER OR GAS)	e. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE - 2019 f. NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION	21. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIR

√⊢ p ⊠	CHECK VALVE		d. STANDARD 90.1	ENERGY STANDARD FOR BUILDINGS EXCEPT LOW F
VALVE ACTUATORS:			e. STANDARD 170	BUILDINGS - 2019 VENTILATION OF HEALTH CARE FACILITIES - 2017
Γ	QUARTER TURN LEVER	2.	ASME	
MEASURE	MENTS AND CONTROLS	3.	a. ASME A17.1	SAFETY CODE FOR ELEVATORS AND ESCALATORS \cdot TY AND HEALTH REGULATIONS (OSHA).
	PRESSURE GAUGE AND ISOLATION VALVE	4.	NATIONAL FIRE CODES	S FIRE CODE - 2021 (FLORIDA EDITION)
◆ _{2.0}	MEMORY STOP FLOW CONTROL VALVE (NUMBER INDICATES FLOW IN GPM)		b. NFPA 13 c. NFPA 25	STANDARD FOR THE INSTALLATION OF SPRINKLER STANDARD FOR THE INSPECTION, TESTING AND MA
Į.	THERMOMETER		d. NFPA 70 e. NFPA 72	BASED FIRE PROTECTION SYSTEMS - 2020 NATIONAL ELECTRICAL CODE - 2020 NATIONAL FIRE ALARM AND SIGNALING CODE - 2019
M	METER (WATER OR GAS)		f. NFPA 90A	STANDARD FOR THE INSTALLATION OF AIR CONDITI
MISCELLA	NEOUS		g. NFPA 90B	SYSTEMS - 2021 STANDARD FOR THE INSTALLATION OF WARM AIR H CONDITIONING SYSTEMS - 2021
	HINGED CEILING ACCESS PANEL		h. NFPA 91 i. NFPA 101	STANDARD FOR THE INSTALLATION OF BLOWER AN LIFE SAFETY CODE - 2021 (FLORIDA EDITION)
MIN. I.E. = 36" B.F.F.	MINIMUM INVERT ELEVATION BELOW REFERENCE ELEVATION	5.	FLORIDA BUILDING CO a. BUILDING CODE b. ENERGY CONSERV	
→	POINT OF CONNECTION, PLUMBING TO CIVIL		c. MECHANICAL COD	
	SMOKE RATED WALL		d. PLUMBING CODE e. ACCESSIBILITY CO	ne .
	1 HOUR FIRE RATED WALL			
	2 HOUR FIRE RATED WALL	6.	FLORIDA STATUTES a. CHAPTER 471 b. CHAPTER 533.80	ENGINEERING BUILDING CONSTRUCTION STANDARDS; FLORIDA BU ENFORCEMENT

TIONING AND VENTILATION HEATING AND AIR

AND EXHAUST SYSTEMS - 2020

A BUILDING CODE -

FLORIDA ADMINISTRATIVE CODE

a. CHAPTER 6A-2 EDUCATIONAL FACILITIES b. CHAPTER 61C-5 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

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,

PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITITION NECESSARY

MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.

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

MINIMUM REQUIRED SLOPE

3. SEE ROOF DRAINAGE SCHEDULE FOR SLOPE AT EACH ROOF DRAIN.

DRAINAGE TYPE	SIZE (INCHES)	MINIMUM SLOPE (INCH /FOOT) - NOTE 1
	2-1/2" OR LESS	1/4"
SANITARY (NOTE 2)	3" TO 6"	1/8"
	8" OR LARGER	1/16"
STORM (NOTE 3)	12" OR LESS	1/16"
CONDENSATE	4" OR LESS	1/8"

I. UNLESS NOTES OTHERWISE ON PLANS.

. COMBINATION WASTE AND VENT PIPING SHALL BE RUN AT A MAXIMUM SLOPE OF 1/2" PER FOOT.

GENERAL NOTES

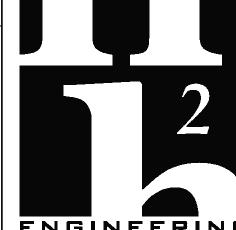
- DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST 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 THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
- CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES. 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. 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
- THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS. 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 MADE. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
- PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND 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. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED
- DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS SHALL BE TO
- STRUCTURAL SYSTEMS ONLY. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES. 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. 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.
- . 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. 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.

ABBREVIATIONS

AC AFF AHAP BF BG CWS DN ECO EWC FD FS GI HB HD HP HWS HWR IE	ABOVE CEILING ABOVE FINISHED FLOOR AS HIGH AS POSSIBLE BELOW FLOOR BELOW GRADE COLD WATER SUPPLY DOWN EXTERNAL CLEANOUT ELECTRIC WATER COOLER FLOOR DRAIN, SEE DETAIL J/P5.1 FLOOR SINK, SEE DETAIL L/P5.1 GREASE INTERCEPTOR, SEE DETAIL N/P5.1 HOSE BIBB HUB DRAIN, SEE DETAIL M/P5.1 HORSEPOWER HOT WATER SUPPLY HOT WATER RECIRCULATION INVERT ELEVATION	IE IMB LV MSB N/A PSAN PVENT SH SK TYP UR V VTR WC WCO WH WHA	INVERT ELEVATION ICE MAKER HOOK-UP BOX LAVATORY MOP SERVICE BASIN NOT APPLICABLE SANITARY VENT SHOWER SINK TYPICAL URINAL VALVE VENT THROUGH ROOF, SEE DETAIL WATER CLOSET WALL CLEANOUT, SEE DETAIL H/P5. WALL HYDRANT WATER HAMMER ARRESTER

DRAWING INDEX

P0.1	GENERAL NOTES, LEGENDS & SCHEDULES	
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P1.4A	BLACKBURN-HUNT BUILDING - 2ND FLOOR ADD ALT WASTE	
P1.5A	BLACKBURN-HUNT BUILDING - ROOF PLAN - ADD ALT.	
P2.3	BLACKBURN-HUNT BUILDING - SUPPLY	
P2.3A	BLACKBURN-HUNT BUILDING - 2ND FLOOR ADD ALT SUPPLY	
P3.2	BLACKBURN - HUNT BUILDING - WASTE & VENT RISERS	
P3.4	BLACKBURN - HUNT BUILDING - SUPPLY RISERS	
P4.1	SCHEDULES	
P4.2	SCHEDULES	
P5.1	DETAILS	



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SHERIFFS YOUTH LEARNING CENTER AND

MAHAN DRIVE ΓALLAHASSEE, FL



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fax 850-386-8420 cra@clemons-rutherford.com The Drawings, Specifications and other documents prepared by Clemons, Rutherford & Associates, Inc. (CRA) for this Project are instruments of CRA for use solely with respect to this Project and, unless otherwise provided, CRA shall be deemed the author of these documents and shall retain all common law, statutory

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Submi	ttal		
Phase	Date	Drw	Chk
GN DEVELOPMENT	02-28-25	SPD	RDR
CD	04-15-25	SPD	RDR
o CD	07-18-25	SPD	RDR

Revision Description

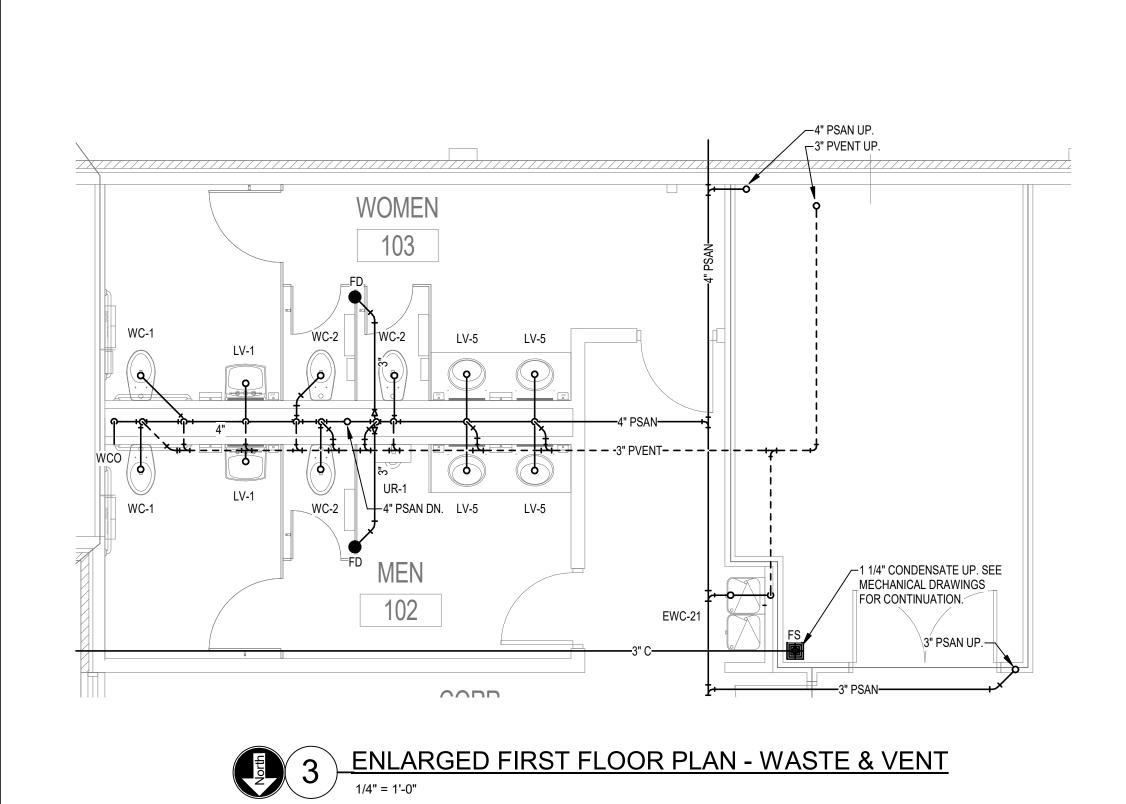
CONSTRUCTION DOCUMENTS

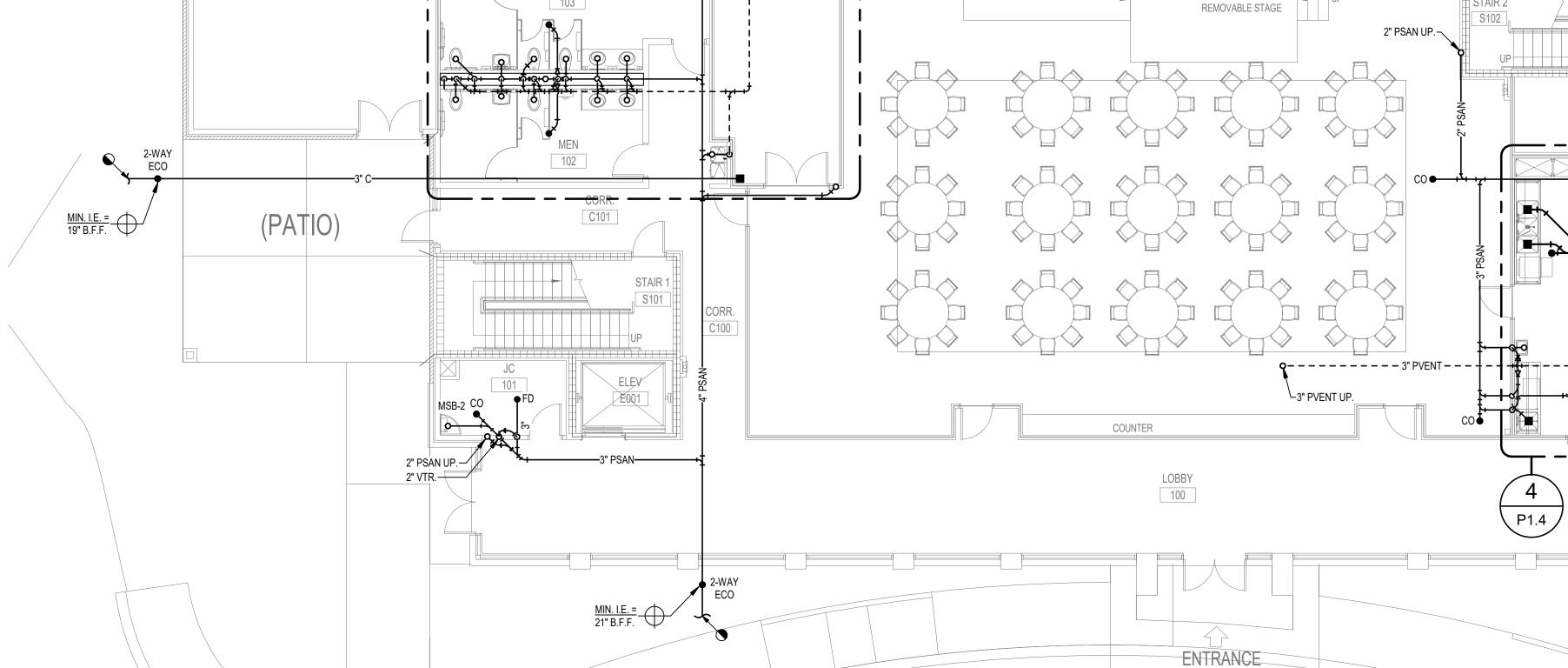
CRA Project # **24029**

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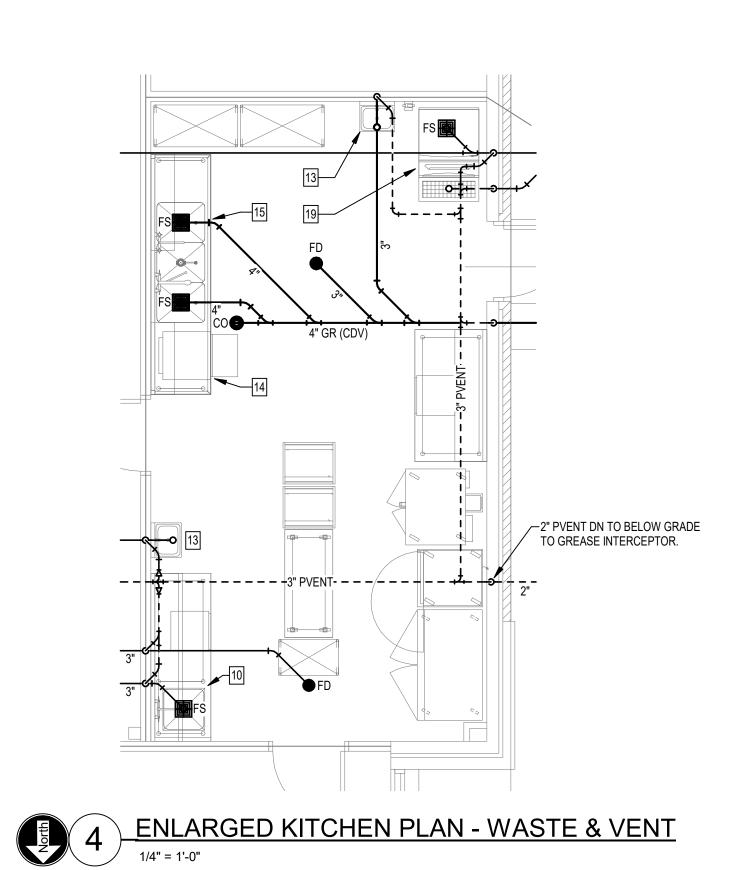
GENERAL NOTES, **LEGENDS & SCHEDULES**

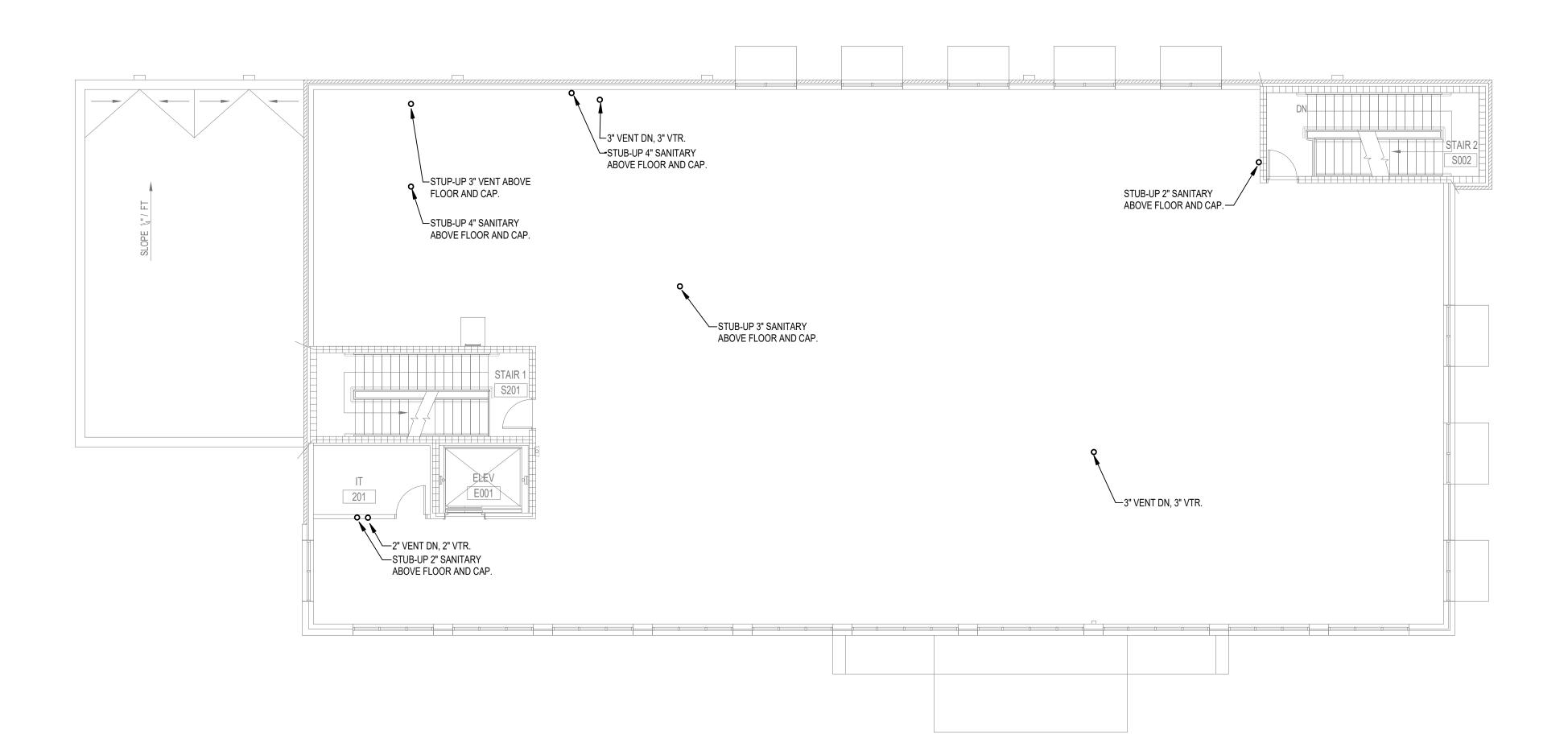
P0.1





STORAGE 108 MULTI-PURPOSE / DINING & ENTERTAINMENT



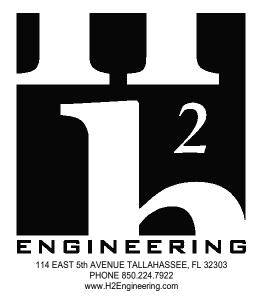


FIRST FLOOR PLAN - WASTE & VENT

1/8" = 1'-0"

SECOND FLOOR PLAN - WASTE & VENT 1/8" = 1'-0"

BY DIVISION 11			BY DIVISION 22							
EQUIP.	EQUIPMENT (NOTE 1)	QTY.	CWS	HWS	WASTE	WASTE	GAS PIPE	GAS	ACCESSORIES	REMARKS
TAG	Q11.	PIPE SIZE P	PIPE SIZE	PIPE SIZE	CONNECTION	SIZE	MBH	(NOTE 2)		
10	1 COMPARTMENT PREP TABLE W/SINK	1	1/2"	1/2"	1 1/2"	INDIRECT	-	-		
13	HAND SINK	2	1/2"	1/2"	1 1/2"	DIRECT	-	-		
14	UNDERCOUNTER DISH MACHINE	1	1/2"	-	5/8"	INDIRECT	-	-		FUTURE PURCHASE
15	3 COMPARTMENT SINK	1	3/4"	3/4"	1 1/2"	INDIRECT	-	-		
19	ICE MACHINE	1	1/2"	1/2"	2"	INDIRECT	-	-		
19.2	WATER FILTER	1	3/8"	-	3/4"	-	-	-		
IOTES:										



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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

2-WAY INTERCEPTOR. SEE DETAIL N/P5.1



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Planners
Interior Designers

Interior Designers
Construction Managers

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Submittal

Phase Date Drw Chk

DESIGN DEVELOPMENT 02-28-25 SPD RDR

50% CD 04-15-25 SPD RDR

100% CD 07-18-25 SPD RDR

Revision

Description

CRA Project # 24029

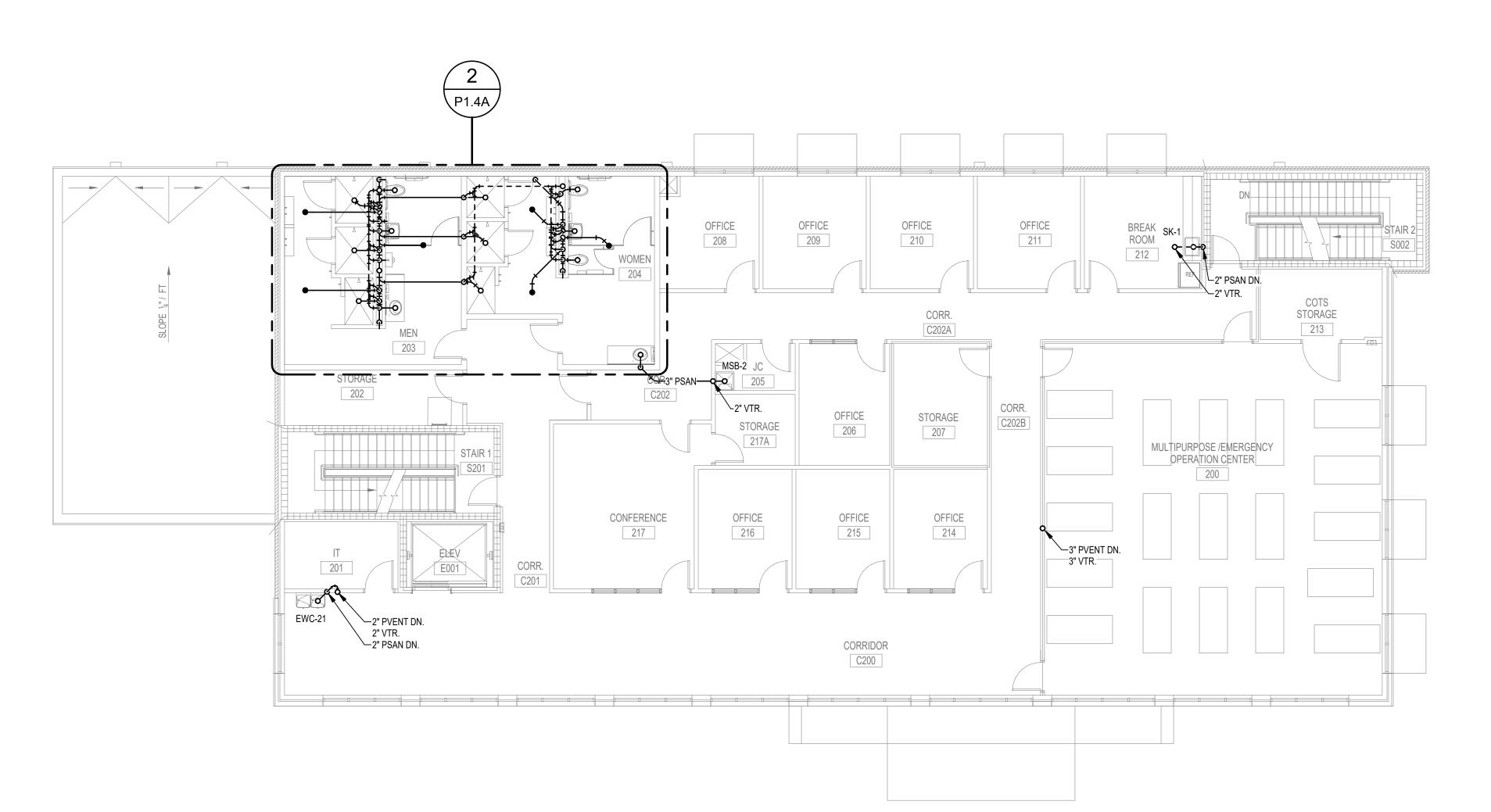
Phase: CONSTRUCTION

DOCUMENTS

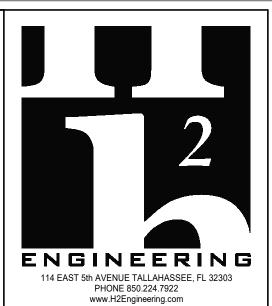
BLACKBURN-HUNT BUILDING - WASTE

P1.4

ENLARGED SECOND FLOOR PLAN - ADD ALTERNATE - WASTE & VENT



SECOND FLOOR PLAN - ADD ALTERNATE - WASTE & VENT



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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

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 02-28-25
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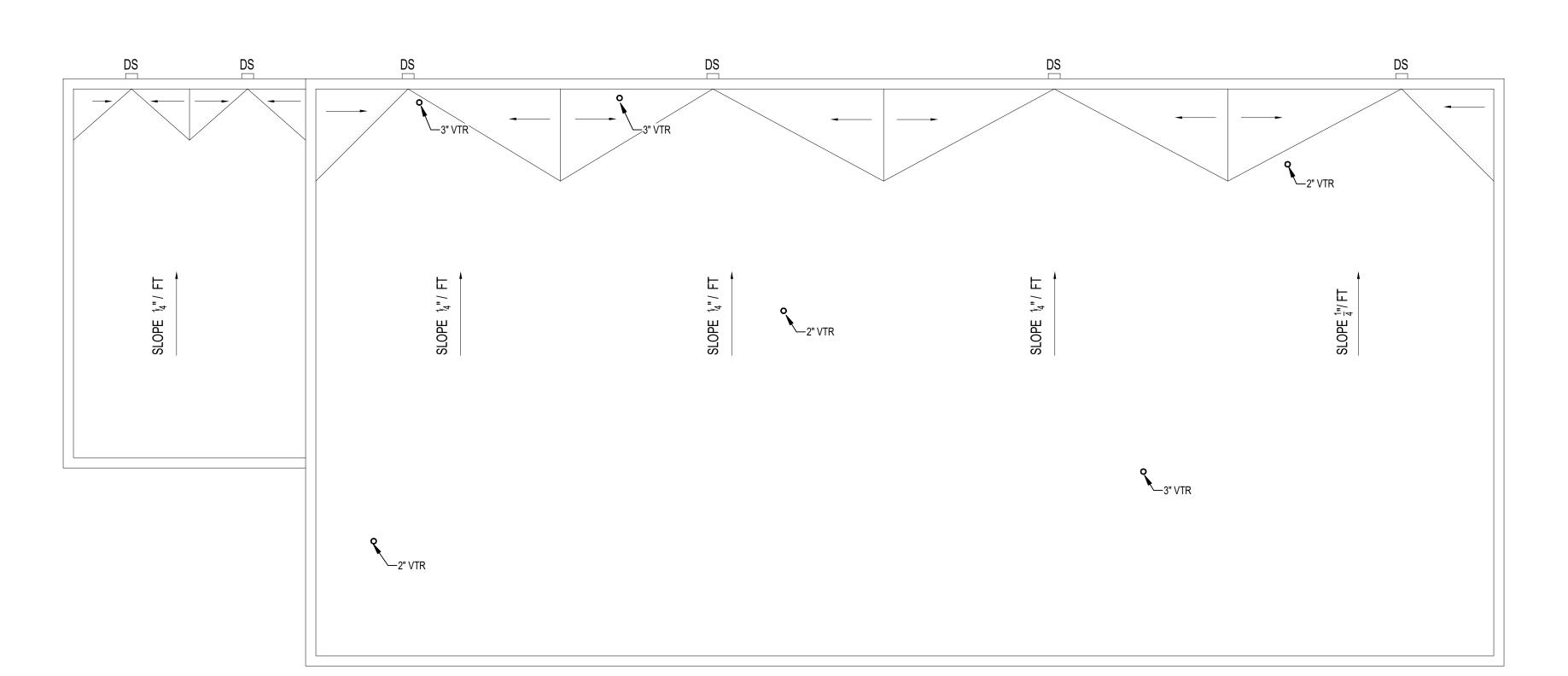
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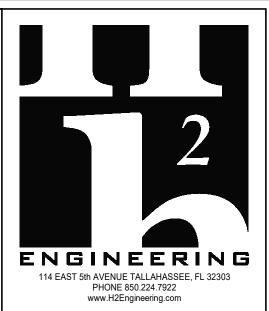
CRA Project #______**24029**

hase: CONSTRUCTION DOCUMENTS

BLACKBURN-HUNT
BUILDING - 2ND FLOOR
ADD ALT. - WASTE
P1.4A







FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL.



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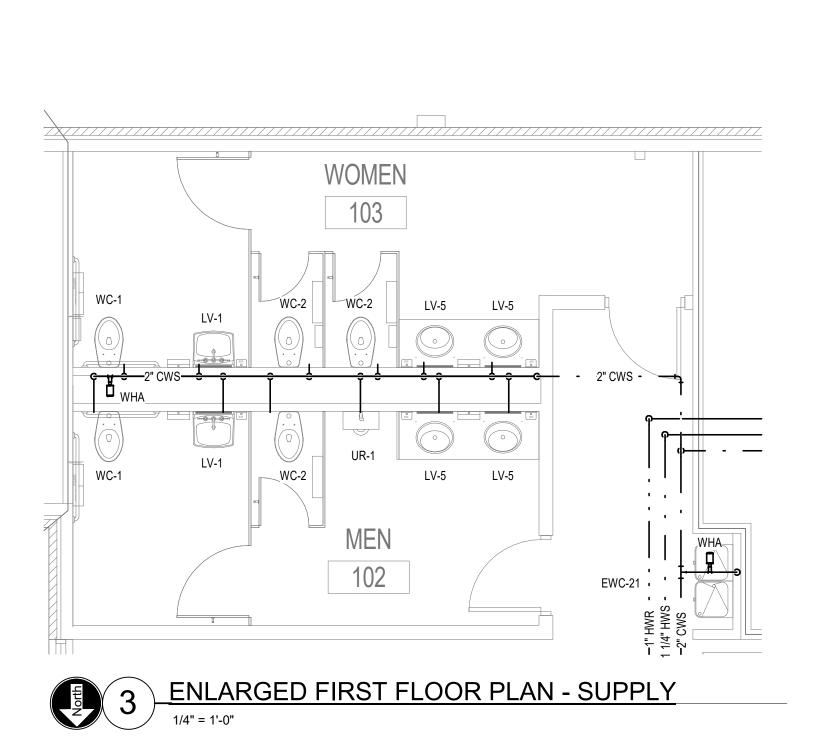
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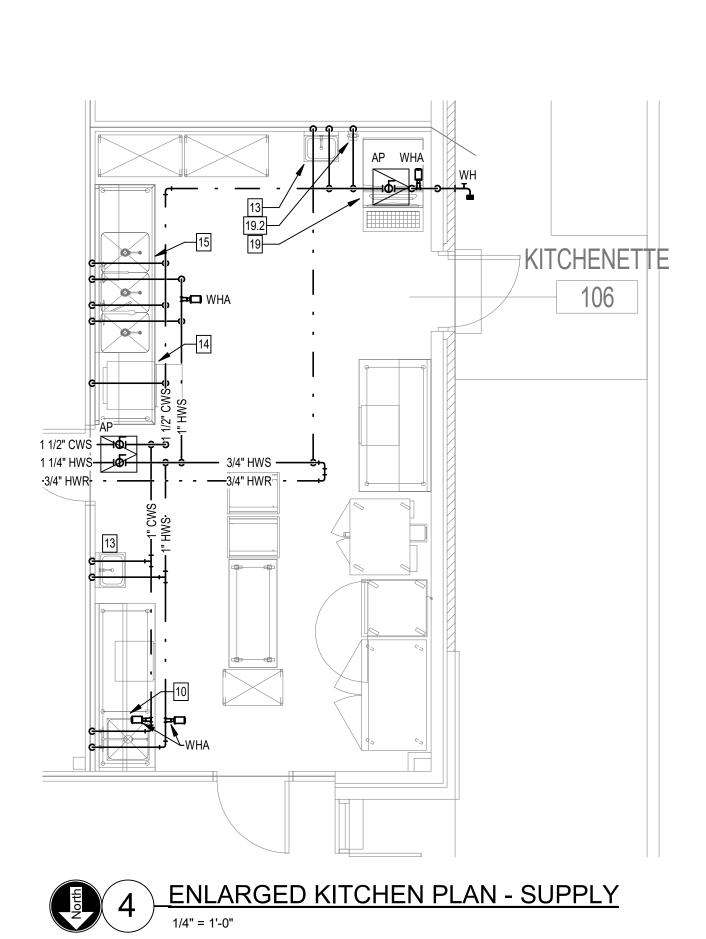
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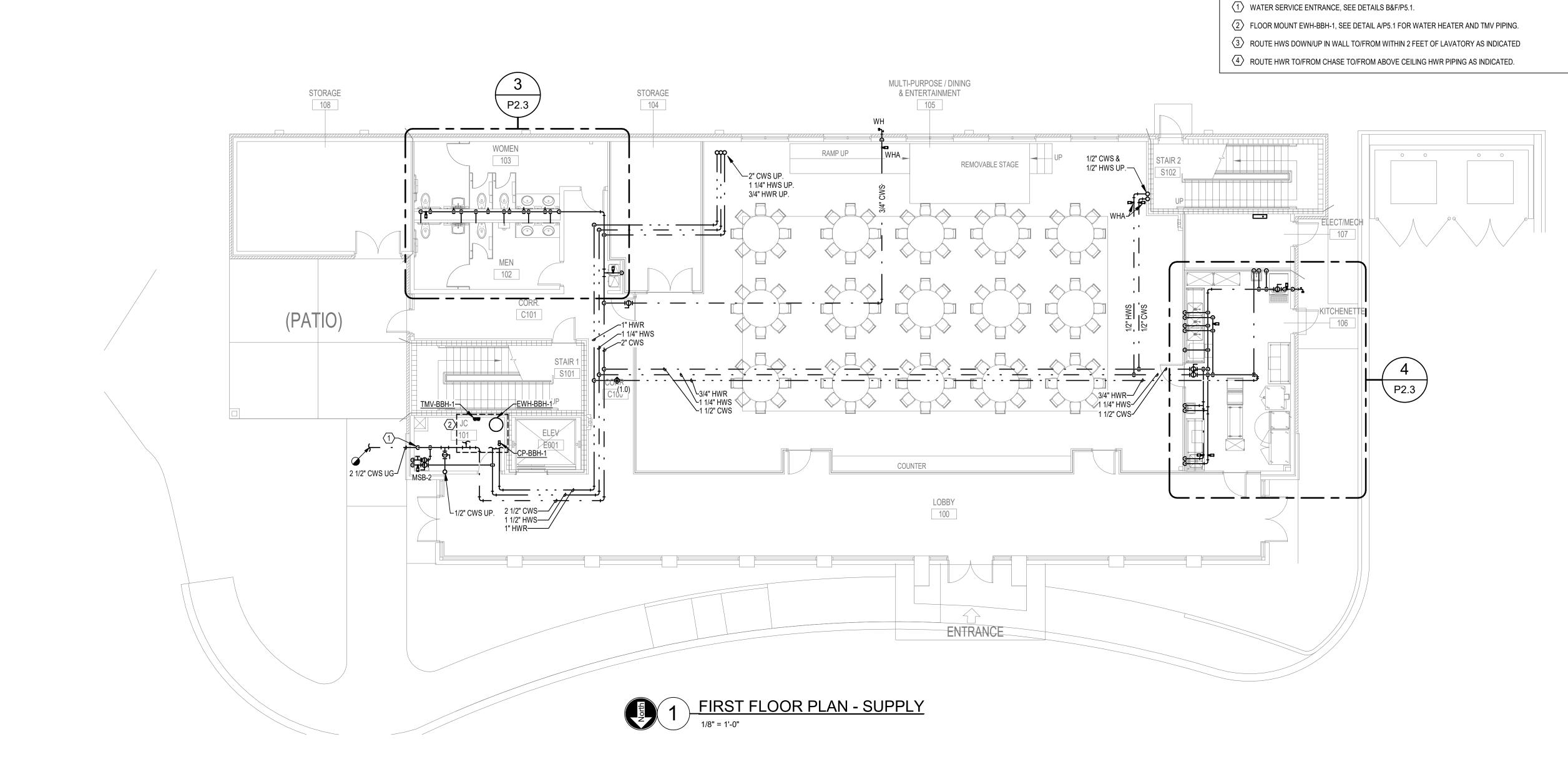
CRA Project # **24029**

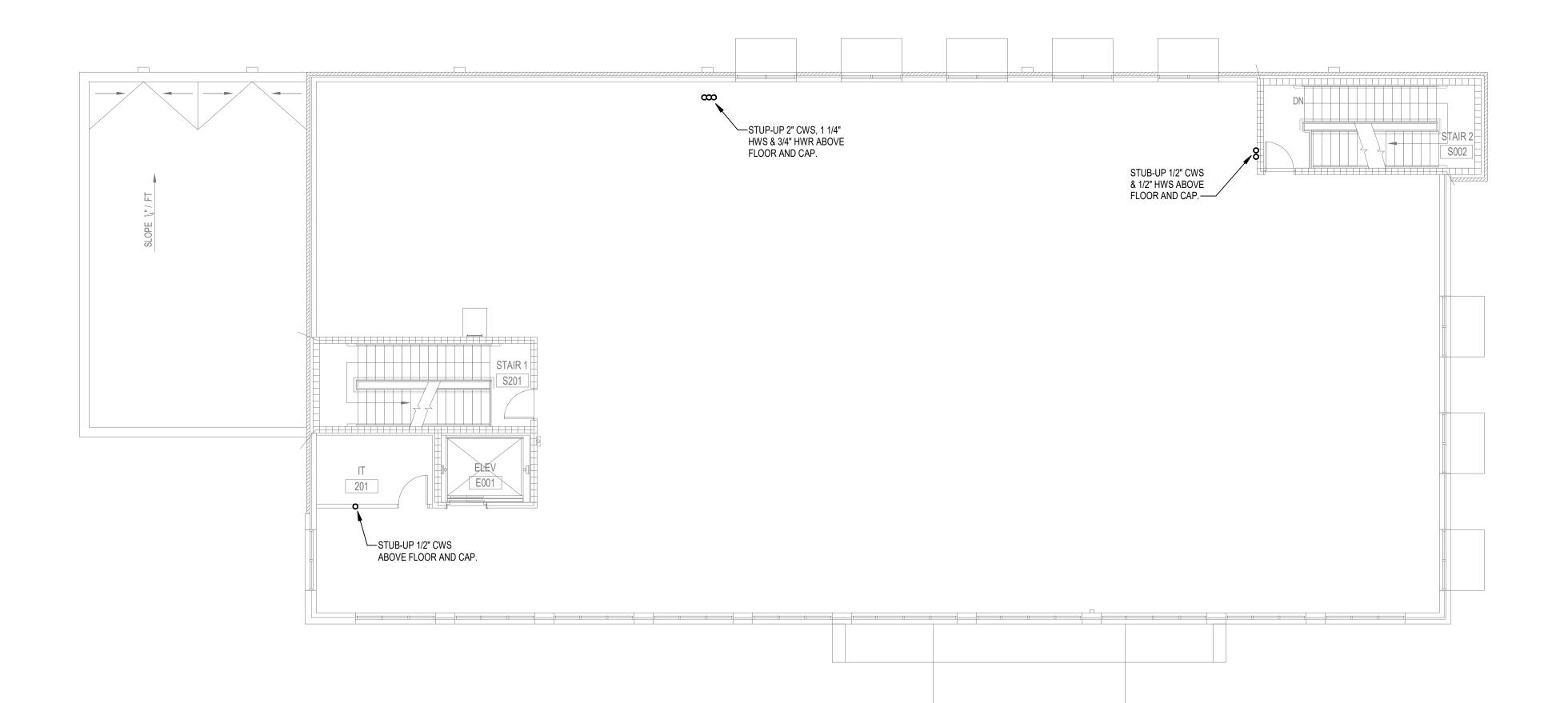
DOCUMENTS

BLACKBURN-HUNT
BUILDING - ROOF PLAN ADD ALT.
P1.5A



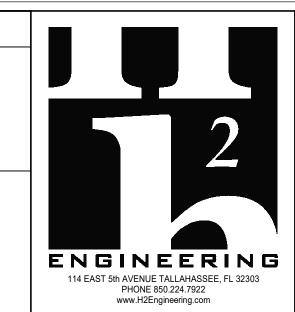








BY DIVISION 11			BY DIVISION 22							
EQUIP. TAG	EQUIPMENT (NOTE 1)	QTY.	CWS PIPE SIZE	HWS PIPE SIZE	WASTE PIPE SIZE	WASTE CONNECTION	GAS PIPE SIZE	GAS MBH	ACCESSORIES (NOTE 2)	REMARKS
10	1 COMPARTMENT PREP TABLE W/SINK	1	1/2"	1/2"	1 1/2"	INDIRECT	-	-		
13	HAND SINK	2	1/2"	1/2"	1 1/2"	DIRECT	-	-		
14	UNDERCOUNTER DISH MACHINE	1	1/2"	-	5/8"	INDIRECT	-	-		FUTURE PURCHASE
15	3 COMPARTMENT SINK	1	3/4"	3/4"	1 1/2"	INDIRECT	-	-		
19	ICE MACHINE	1	1/2"	1/2"	2"	INDIRECT	-	-		
19.2	WATER FILTER	1	3/8"	-	3/4"	-	-	-		
IOTES:		<u> </u>								



KEYED NOTES:

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Florida Registry #2485
Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL



Clemons, Rutherford, &
Associates, Inc.

Architects
Planners
Interior Designers
Construction Managers

Tallahassee, Florida 32308

phone 850-385-6153
fax 850-386-8420
cra@clemons-rutherford.com

2027 Thomasville Road

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Submittal

Phase Date Drw Chk

DESIGN DEVELOPMENT 02-28-25 SPD RDR

50% CD 04-15-25 SPD RDR

07-18-25 SPD RDR

Revision

100% CD

Description

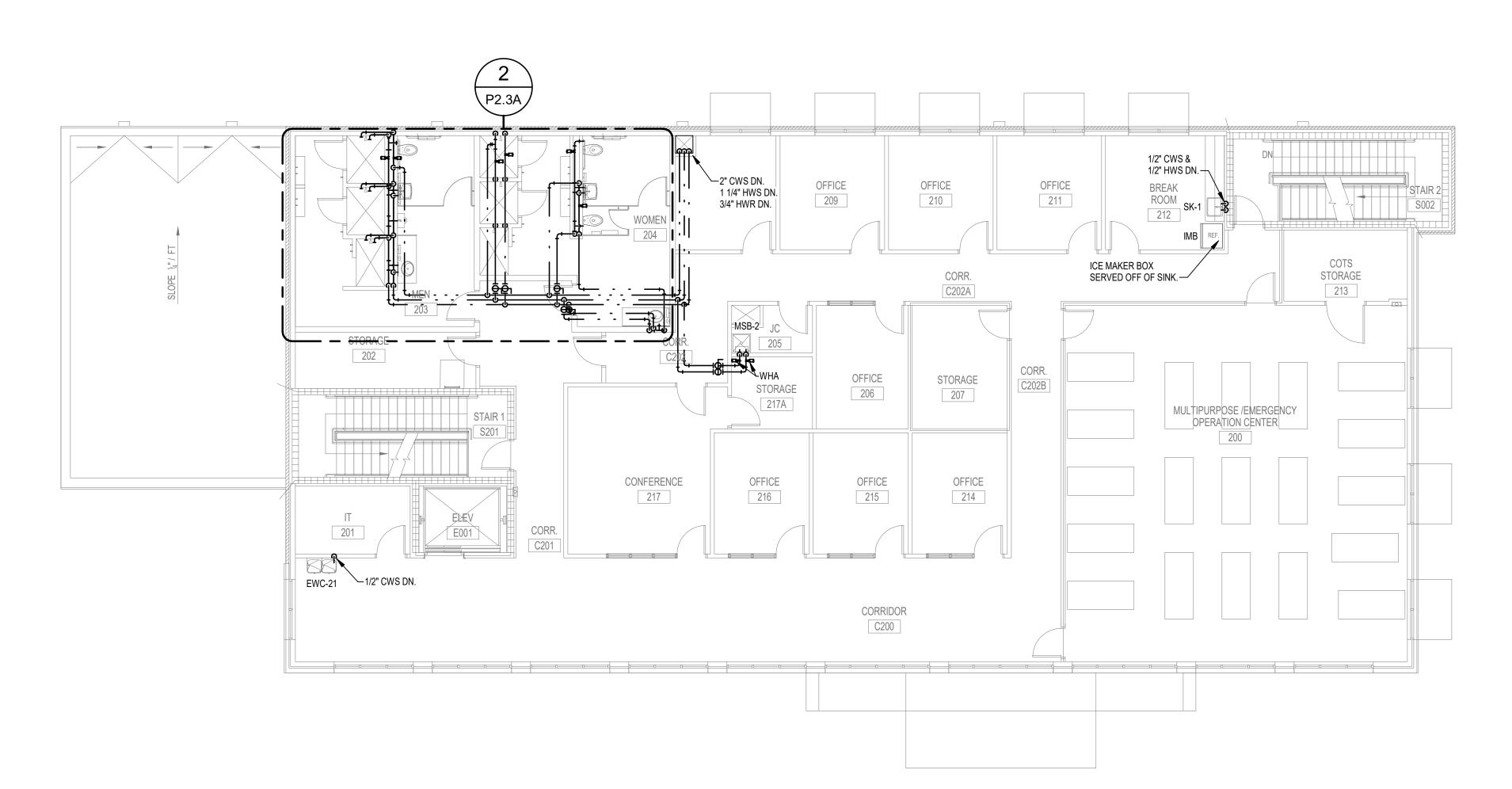
CRA Project # **24029**

hase: CONSTRUCTION DOCUMENTS

BLACKBURN-HUNT BUILDING - SUPPLY

P2.3





SECOND FLOOR PLAN - ADD ALTERNATE - SUPPLY

1/8" = 1'-0"

ENGINEERING

114 EAST 5th AVENUE TALLAHASSEE, FL 32303

H2E PROJECT No. 24179

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 04-15-25
 SPD
 RDR

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 SPD
 RDR

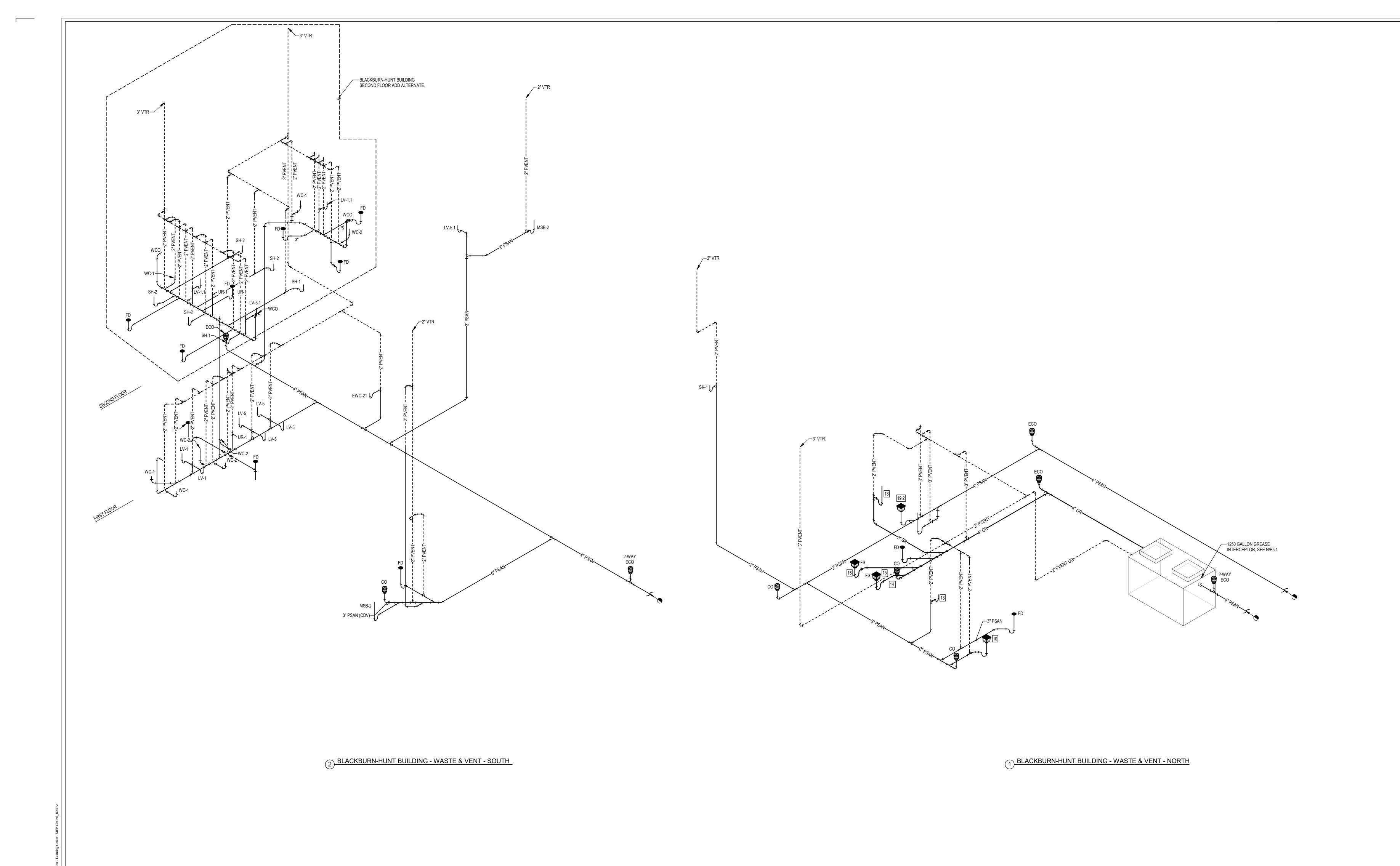
Revision

Description

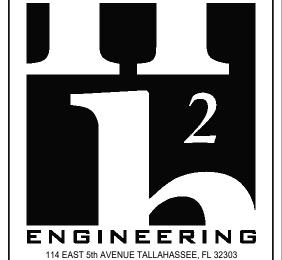
CRA Project #______**24029**

Phase: CONSTRUCTION DOCUMENTS

BLACKBURN-HUNT
BUILDING - 2ND FLOOR
ADD ALT. - SUPPLY
P2.3A



3 BLACKBURN-HUNT BUILDING - CONDENSATE - SOUTH



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02-28-25	SPD	RDI				
04-15-25	SPD	RDF				
07-18-25	SPD	RDF				
	Date 02-28-25 04-15-25	Date Drw 02-28-25 SPD 04-15-25 SPD				

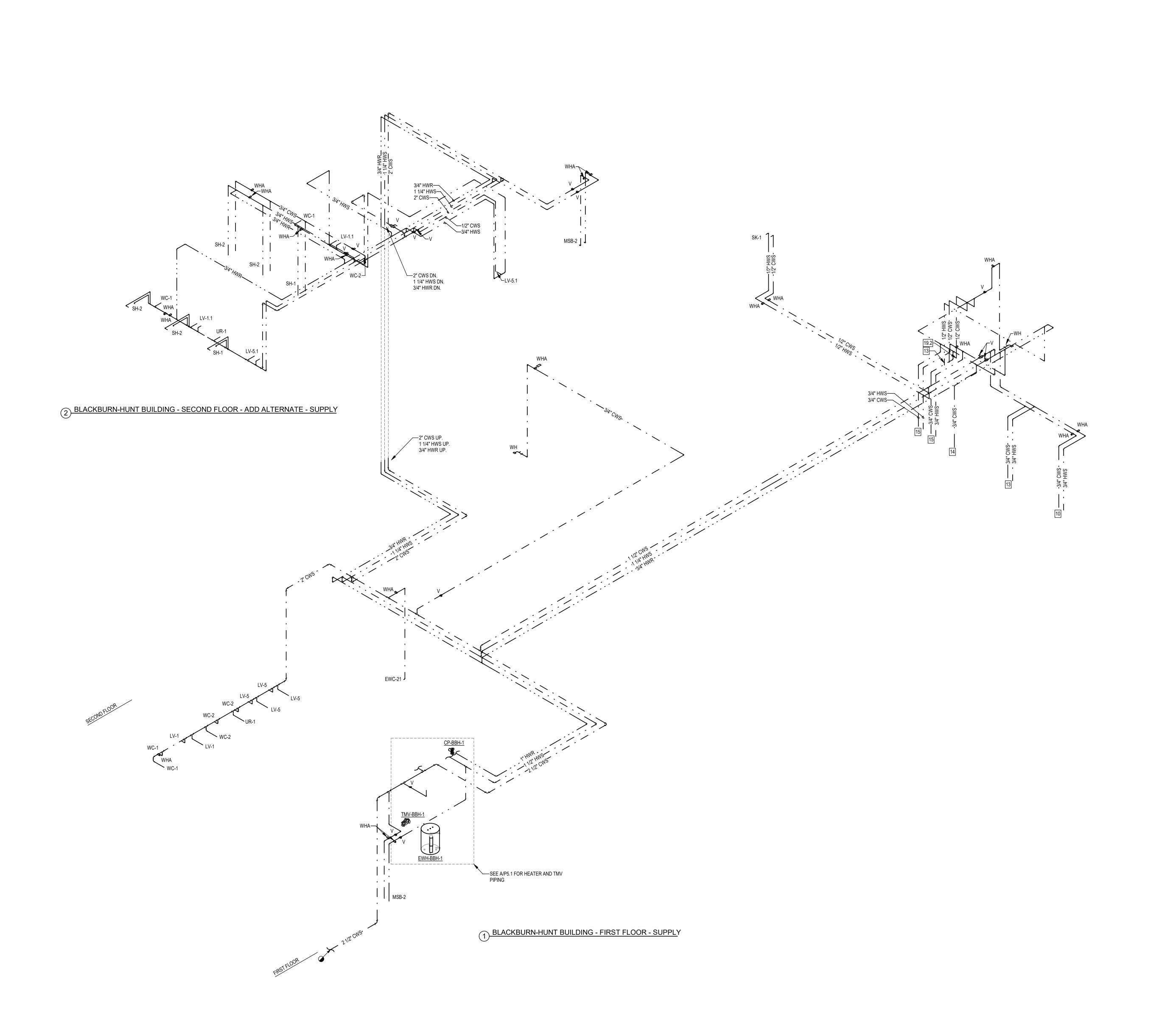
Revision

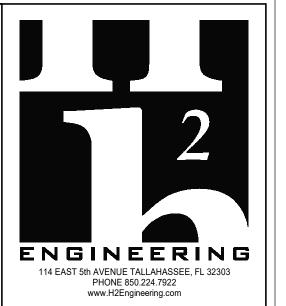
Description

CRA Project # **24029**

hase: CONSTRUCTION DOCUMENTS

BLACKBURN - HUNT
BUILDING - WASTE &
VENT RISERS
P3.2





FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

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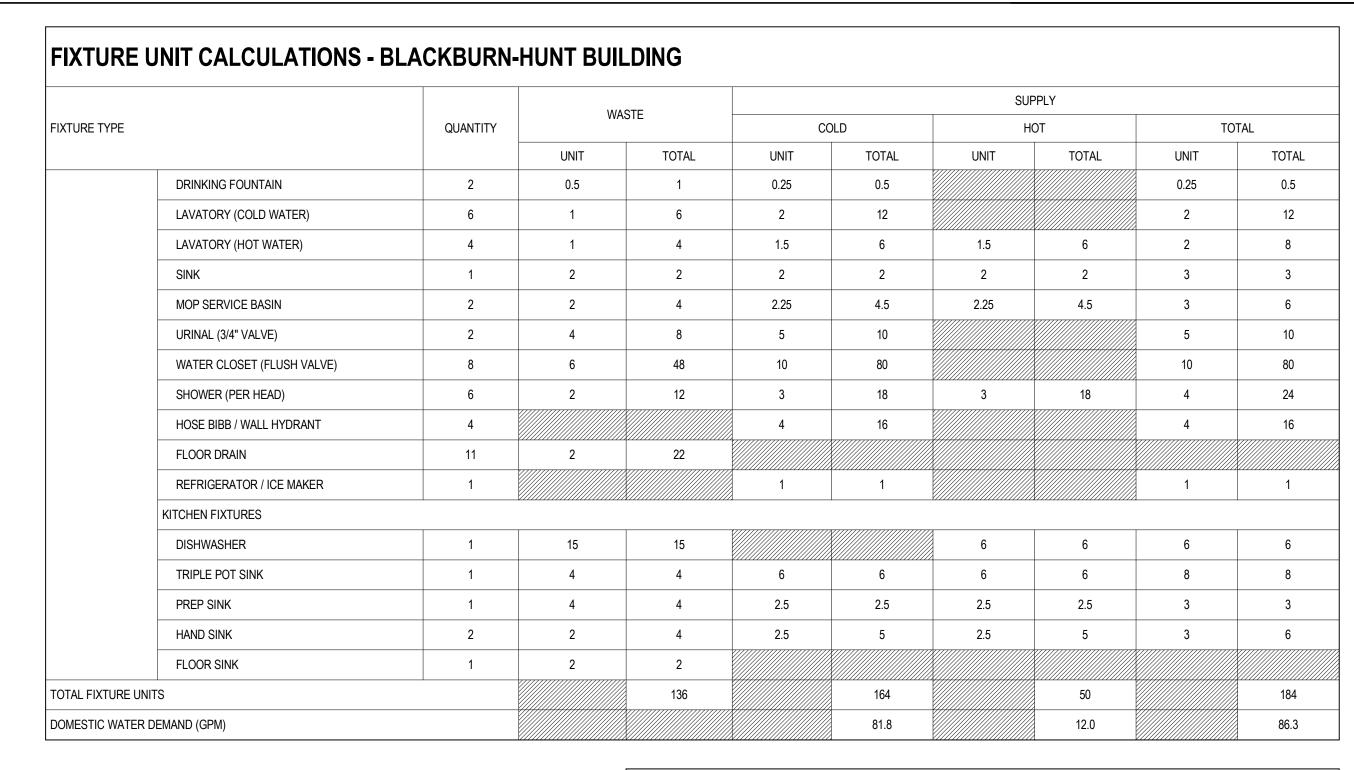
Revision
Description

CRA Project #______**24029**

Phase: CONSTRUCTION DOCUMENTS

BLACKBURN - HUNT BUILDING - SUPPLY RISERS

P3.4



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THERMOSTATIC MIXING VALVES

DESIGNATIO	DESIGNATION		TMV-BBH-1
	APPLICATION		MED / LOW
	SET-POINT	°F	110
	MINIMUM FLOW	GPM	0.5
	MAXIMUM FLOW	GPM	3.5
	PRESSURE DROP @ MAX FLOW	PSI	5
	RECIRCULATED SYSTEM		YES
	ASSE COMPLIANCE		1017
MANUFACTU	JRER	·	LAWLER
MODEL NUMBER		61-15	
DETAIL REFERENCE		A/P5.1	
NOTES:			
1	PROVIDE ROUGH BRASS FINISH		

CIRCULATOR PUMPS

DESIGNATI	ION		CP-BBH-1	
	SERVICE		DHW	
	CAPACITY	GPM	4	
	TOTAL DYNAMIC HEAD	FT.	27	
	SHUT-OFF HEAD	FT.	35	
	PUMP SEAL		3,250 1/8	
	MOTOR SPEED MOTOR HORSEPOWER	RPM		
		HP		
	MOTOR WINDING		FULL	
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1	
	NOTES		1	
MANUFACTURER		TACO		
MODEL NUMBER				
DETAIL REFERENCE				
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.

HIGH CAPACITY ELECTRIC STORAGE WATER HEATERS
--

DESIGNATION			EWH-BBH-1
	STORAGE	GAL	80
	HEATING ELEMENT INPUT	kW	4.0
	NUMBER OF ELEMENTS	#	
	SIMULTANEOUS OPERATION OF ELEMENTS		YES
	TOTAL HEATING INPUT	kW	24.0
	ENTERING WATER TEMPERATURE	°F	60
	LEAVING WATER TEMPERATURE	°F	140
	TEMPERATURE RISE	°F	80
	RECOVERY RATE	GPH	123
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 3
	MINIMUM CIRCUIT AMPACITY	AMPS	83
	MAXIMUM OVERCURRENT PROTECTION	AMPS	90
MANUFACTURE	ER	·	A.O. SMITH
MODEL NUMBE	ER .		DVE-80A-24
DETAIL REFERENCE			
<u>NOTES:</u> 1 2	PROVIDE LOW WATER CUT-OFF PROVIDE ASME TANK		

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CRA Project # **24029**

hase: CONSTRUCTION DOCUMENTS

SHEET TITLE
SCHEDULES

P4.1

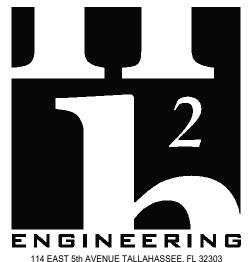
PLUMBING FIXT	URE ACCESSORY SCHEDULE	
ACCESSORY TAG	ACCESSORY DESCRIPTION	MANUFACTURER AND MODEL NUMBER
DR-LV-C	1-1/4" CHROME PLATED BRASS OFFSET DRAIN WITH TAIL PIECE. PROVIDE A PERFORATED FLAT CHROME BRASS STRAINER.	ELKAY: LKAD174 OR APPROVED EQUAL
DR-SK-STD	TYPE 304 STAINLESS STEEL DRAIN, REMOVEABLE CONICAL STRAINER BASKET, 1-1/2" STAINLESS STEEL OFFSET TAILPIECE.	ELKAY: LK35/LK53/LKAD35 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
FCT-LV-0.5-AUTO-W	SINGLE INLET, DECK MOUNTED FAUCET, A.D.A. COMPLIANT, 4" CENTERSET, POLISHED CHROME PLATED BRASS, LEAD FREE,HARDWIRED, SENSOR OPERATED, 0.5 GPM AERATOR WITH PRESSURE COMPENSATING FLOW CONTROL. PROVIDE 10'-0" EXTENSION CABLE, Y-CONNECTOR, AND ONE TRANSFORMER FOR UP TO 10 FAUCETS OR FLUSH VALVES.	AMERICAN STANDARD: 605B.205 OR APPROVED EQUAL
FCT-MSB	SERVICE SINK FAUCET, POLISHED CHROME PLATED BRASS, BUILT-IN STOPS, VACUUM BREAKER, LEVER HANDLES, WALL BRACE, 3/4" HOSE OUTLET.	T&S BRASS: B-0665-BSTP OR APPROVED EQUAL
FCT-SK-1.5-GEN-SPRAY	SINGLE LEVER DECK MOUNTED FAUCET, POLISHED CHROME PLATED BRASS, 9" SWING SPOUT, 1.5 GPM AT 80 PSI AERATOR, HOSE AND SPRAY, SOFT-CLOSING VALVE WITH INTEGRAL FLOW CONTROL AND ADJUSTABLE STOP TO RESTRICT EXTREME TEMPERATURES. PROVIDE COVER PLATE.	T&S BRASS: B-2730 OR APPROVED EQUAL
FD-SH	FLOOR DRAIN FOR SHOWER, 2" OUTLET	0
FV-0.125-AUTO-B	EXPOSED AUTOMATIC URINAL FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 0.125 GPF, BATTERY POWERED, SENSOR OPERATED, 3/4" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6063.013.002 OR APPROVED EQUAL
FV-1.6-AUTO-B	EXPOSED AUTOMATIC WATER CLOSET FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 1.6 GPF, BATTERY POWERED, SENSOR OPERATED, 1" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6065.161.002 OR APPROVED EQUAL
HGR-MSB	STAINLESS STEEL HANGER, WITH THREE RUBBER TOOL GRIPS.	FIAT: 889CC OR APPROVED EQUAL
HOSE-MSB	HEAVY DUTY, FLEXIBLE HOSE, 5/8" RUBBER, CLOTH REINFORCED, 3/4" BRASS COUPLING, TYPE 302 STAINLESS STEEL BRACKET WITH RUBBER GRIP.	FIAT: 832AA OR APPROVED EQUAL
RMGD-MSB	ALUMINUM RIM GUARD.	FIAT: 1239BB 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
TMV-LV-95	EXPOSED ROUGH BRONZE, THERMOSTATIC MIXING VALVE, ADJUSTABLE LIMIT STOP, ASSE 1070, LISTED FOR POINT OF USE APPLICATION. SET OUTLET TEMPERATURE TO 95°F.	LAWLER: 570 OR APPROVED EQUAL
TMV-SK	EXPOSED ROUGH BRONZE, THERMOSTATIC MIXING VALVE, ADJUSTABLE LIMIT STOP, ASSE 1070, LISTED FOR POINT OF USE APPLICATION. SET OUTLET TEMPERATURE TO 110°F.	LAWLER: 570 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
TR-SK-STD	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/2" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	KOHLER: K-9000-CP OR APPROVED EQUAL

						ROUGH-IN	PIPE SIZES			
FIXTURE DESIGNATION	FIXTURE DESCRIPTION	A.D.A. COMPLIANT	MOUNTING METHOD	HEIGHT (A.F.F.)	COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN	MANUFACTURER AND MODEL NUMBER	ACCESSORIES (SEE SCHEDULE)
WC-1	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	FLOOR	RIM: 16-1/2"	1"	N/A	4"	4"	AMERICAN STANDARD: 3043.001 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.6-AUTO-B
WC-2	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.	NO	FLOOR	RIM: 15"	1"	N/A	4"	4"	AMERICAN STANDARD: 2234.001 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.6-AUTO-B
UR-1	FLUSH VALVE URINAL, ULTRA HIGH EFFICIENCY (0.125 - 1.0 GPF), VITREOUS CHINA, WASHOUT FLUSHING ACTION, 3/4" TOP SPUD. COLOR: WHITE.	YES	WALL	RIM: 17"	3/4"	N/A	2"	2"	AMERICAN STANDARD: 6590.001 OR APPROVED EQUAL	FV-0.125-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
LV-1.1	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"	1/2"	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-AUTO-W DR-LV-C TR-LV TMV-LV-95
LV-5	LAVATORY, 20"x17" OVAL, VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), SELF-RIMMING. COLOR: WHITE.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0440.444.EC OR APPROVED EQUAL	FCT-LV-0.5-AUTO-W DR-LV-C TR-LV
LV-5.1	LAVATORY, 20"x17" OVAL, VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), SELF-RIMMING. COLOR: WHITE.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/4"	2"	AMERICAN STANDARD: 0440.444.EC OR APPROVED EQUAL	FCT-LV-0.5-AUTO-W DR-LV-C TR-LV TMV-LV-95
SK-1	SINGLE COMPARTMENT SINK, SELF-RIMMING, 22"x19-1/2", 18"x14"x5-1/2" DEEP BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 8" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: LRAD221955-4 OR APPROVED EQUAL	FCT-SK-1.5-GEN-SPRADR-SK-STD TR-SK-STD TMV-SK
SK-3	DOUBLE COMPARTMENT SINK, SELF-RIMMING, 33"x22", 16"x13-1/2"x5" DEEP BOWLS, 18 GAUGE TYPE 302 STAINLESS STEEL, SATIN FINISH, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 8" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: LRAD332250 OR APPROVED EQUAL	FCT-SK-1.5-GEN-SPR DR-SK-STD TR-SK-STD TMV-SK
MSB-2	MOP SERVICE SINK BASIN, 24"L x 24"W x 12"H, WITH 2" WIDE SHOULDERS, 1/4" PITCH TOWARD INSIDE, PRECAST TERRAZZO (MINIMUM 3,000 PSI @ 7 DAYS), SURFACE GROUND AND POLISHED WITH ALL HOLES AND PITS GROUTED AND WITH EXCESS REMOVED. COLOR: BLACK & WHITE MARBLE CHIPS IN GRAY PORTLAND CEMENT.	NO	FLOOR		1/2"	1/2"	3"	3"	FIAT: TSB-200 OR APPROVED EQUAL	FCT-MSB RMGD-MSB HOSE-MSB HGR-MSB
IMB	ICE MAKER HOOK-UP BOX, 20 GAUGE STEEL, WHITE POWDER-COATED, ALL WELDED WATER TIGHT CONSTRUCTION, COLD WATER SUPPLY VALVE WITH 1/2" COPPER SWEAT INLET AND 1/4" COMPRESSION OUTLET AND WATER HAMMER ARRESTER.	N/A	WALL RECESSED		1/2"	N/A	N/A	N/A	GUY GRAY: MIB1HAAB OR APPROVED EQUAL	
WH	EXTERIOR WALL HYDRANT, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, WITH INTEGRAL BACKFLOW PREVENTER, ALL BRONZE INTERIOR PARTS, 3/4" INLET, 3/4" HOSE THREAD OUTLET, STAINLESS STEEL FACE AND OPERATING KEY.	N/A	WALL RECESSED		3/4"	N/A	N/A	N/A	0	
EWC-21	ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION, FILTERED, BARRIER-FREE, TYPE 304 STAINLESS STEEL BASIN, BRUSHED FINISH, VANDAL-RESISTANT BUBBLER, STAINLESS STEEL CABINET AND CANE APRON, LEAD-FREE WATERWAYS, SELF CONTAINED SYSTEM (R-134A REFRIGERANT) DELIVERS MIN. 8 GPH OF 50°F WATER @ 80°F. INLET WATER AND 90°F AMBIENT AIR, 120V/1PH. BOTTLE FILLING STATION: ELECTRONIC SENSOR ACTIVATED WITH AUTOMATIC 20-SECOND SHUT-OFF TIMER AND BOTTLE COUNTER. DELIVERS MIN. 1 GPM FLOW RATE WITH LAMINAR FLOW. ANTI-MICROBIAL PLASTIC COMPONENTS.	YES	WALL SURFACE	SPOUT: 38" / 32" CHILDREN'S ADA SPOUT: 30"	1/2"	N/A	1-1/4"	2"	ELKAY: LZSTLG8WSSK OR APPROVED EQUAL	
SH-1	SHOWER: SINGLE HANDLE PRESSURE BALANCED THERMOSTATIC MIXING VALVE WITH CERAMIC CARTRIDGE, INTEGRAL VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, TWO SERVICE STOPS/CHECK STOPS. TWO-WAY BRASS DIVERTER VALVE. SHOWER HEAD WITH INTEGRAL 2.5 GPM @ 80 PSI FLOW CONTROL, ADJUSTABLE PATTERN, ARM AND WALL FLANGE. HAND HELD SHOWER WITH 69" FLEXIBLE METAL HOSE. 36" MOUNTING SLIDE BAR WALL CONNECTION. ALL EXPOSED METALLIC TRIM IS POLISHED CHROME PLATED NICKEL.	YES	WALL	VALVE: 38" TO 48" (OPTIONAL)	1/2"	1/2"	3"	3"	DELTA: T17TH155-25 OR APPROVED EQUAL	FD-SH TSI-FD
SH-2	SHOWER: SINGLE HANDLE PRESSURE BALANCED THERMOSTATIC MIXING VALVE WITH CERAMIC CARTRIDGE, INTEGRAL VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, TWO SERVICE STOPS/CHECK STOPS. BUILT-IN REVERSE CONNECTION. SHOWER HEAD WITH INTEGRAL 1.75 GPM @ 80 PSI FLOW CONTROL, ADJUSTABLE PATTERN, ARM FLANGE.	NO	WALL	VALVE: 38" TO 48" (OPTIONAL)	1/2"	1/2"	3"	3"	DELTA: T17TH125 OR APPROVED EQUAL	FD-SH TSI-FD

NOTES:

JOSAM: 88240 OR APPROED EQUAL

- SUPPLY STOPS: CHROME-PLATED-BRASS, ONE-QUARTER TURN, BALL-TYPE OR COMPRESSION VALVE WITH INLET MATCHING SUPPLY PIPING.
- 2 FLEXIBLE CONNECTIONS: ASME A112.18.6 BRAIDED- OR CORRUGATED-STAINLESS STEEL, FLEXIBLE HOSE RISER.
- 3 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.
- 4 A.D.A. LAVATORIES & SINKS: PROTECT DRAIN AND SUPPLY LINES WITH "TRAP WRAP" OR APPROVED EQUAL.
- 5 EXTRA MAINTENANCE MATERIALS: FURNISH TWO (2) FLUSHOMETER-VALVE REPAIR KITS FOR EACH TYPE OF FLUSHOMETER VALVE INSTALLED.



ENGINEERING

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H2E PROJECT No. 24179

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Submittal

Phase Date Drw Chk

DESIGN DEVELOPMENT 02-28-25 SPD RDR

50% CD 04-15-25 SPD RDR

07-18-25 SPD RDR

Revision

100% CD

Description

hase: CONSTRUCTION DOCUMENTS

SHEET TITLE
SCHEDULES

TSI-FD

POLYMER INLINE TRAP SEAL INSERT FOR SHOWER DRAIN, 2" OUTLET

