PIPING AND		APPLICABLE CODES	PLUMBING NOTES	GENERAL NOTES
3	CAP	PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES,	ALL MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE	INSTALL ALL WORK IN ACCORDANCE WITH THE FLOR
<u> </u>	ELBOW TURNED UP	ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.	SPECIFICATIONS THAT REQUIRE PIPING OR DUCT CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.	CODES. WHERE CONFLICTS OCCUR BETWEEN CODE DOCUMENTS AND CODES, THE MOST RESTRICTIVE R
—⇒ ———	ELBOW TURNED DOWN TEE, OUTLET UP	1. <u>ASHRAE</u> a. STANDARD 15 SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019	<ol> <li>PRESSURE TEST ALL WATER PIPING SYSTEMS AT 150% OF NORMAL WORKING PRESSURE.</li> <li>ALL COPPER PRESSURE PIPE SHALL BE SOLDERED ENTIRELY WITH LEAD-FREE SOLDER.</li> </ol>	<ol><li>DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WOR THIS CONTRACT. REFER TO ARCHITECTURAL AND ST</li></ol>
<del></del>	TEE, OUTLET DOWN	b. STANDARD 90.1 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019	<ol> <li>INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE.</li> <li>ALL FLOOR DRAINS AND FLOOR SINKS SHALL HAVE MINIMUM 3" DRAIN LINES, DEEP SEAL TRAPS AND</li> </ol>	<ol> <li>FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS INTERPRET THE CONTRACT DOCUMENTS, HE IS RESP</li> </ol>
	NEW PIPE	2. ASME a. ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2019	AUTOMATIC TRAP PRIMERS.  6. WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH PDI-WH201.	WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCE.
PSAN	SANITARY, SOIL OR WASTE PIPING	3. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).	7. ALL HOSE BIBBS, WALL HYDRANTS, SILL COCKS AND/OR FAUCETS WITH HOSE CONNECTIONS SHALL HAVE A VACUUM BREAKER.	BEFORE SUBMITTING FOR THE WORK, EACH BIDDER PREMISES AND SATISFY HIMSELF AS TO THE EXISTING
PVENT	SANITARY VENT PIPING	4. NATIONAL FIRE CODES	8. GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE STARTED AT HIGHEST POINT POSSIBLE.	OBLIGATED TO OPERATE AND COMPLETE THE WORK SUBSEQUENTLY BE MADE IN THIS CONNECTION ON B
	COLD WATER SUPPLY PIPING	a. NFPA 1 UNIFORM FIRE CODE - 2021 (FLORIDA EDITION)	9. ALL WATER PIPING SUBJECT TO FREEZING SHALL BE FREEZE PROTECTED. THIS INCLUDES ALL PIPING	OR OMISSION ON HIS PART.  5. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION I
	HOT WATER SUPPLY PIPING  HOT WATER RECIRCULATION PIPING	c. NFPA 70 NATIONAL ELECTRICAL CODE - 2020	IN UNHEATED SPACES SUCH AS EXTERIOR EQUIPMENT ROOMS, SOFFITS, EXTERIOR WALLS, ETC.  10. INSULATE EXTERIOR ABOVE GRADE WATER PIPING WITH CELLULAR GLASS. PER SPECIFICATIONS.	SYSTEM DEMAND CHARGES AND LICENSE FEES IN CO.  6. CONSTRUCTION MANAGER/GENERAL CONTRACTORS
PRI	PRIMARY RAIN LEADER	d. NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS - 2021	DRAINS/SINKS WITH EQUIPMENT FURNISHED.	WORK OF ALL SUBCONTRACTORS TO AVOID INTERFE  7. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A
	SECONDARY RAIN LEADER	e. NFPA 90B STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS - 2021	<ul><li>12. ALL PLUMBING VENTS SHALL BE 2" MINIMUM, UNLESS NOTED OTHERWISE.</li><li>13. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE OR OTHER DEVICE REQUIRING SERVICE</li></ul>	8. ERECT AND MAINTAIN ALL REASONABLE PRECAUTION
SD	STORM DRAIN PIPING	f. NFPA 101 LIFE SAFETY CODE - 2021 (FLORIDA EDITION)	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.	POSTING DANGER SIGNS AND OTHER WARNINGS AGA SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS
G	GAS PIPING	5. FLORIDA BUILDING CODE, 2023 8th EDITION a. BUILDING CODE	14. A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE, SOIL STACK OR RAIN LEADER, WHETHER SHOWN ON THE DRAWINGS OR NOT.	CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATION COORDINATE AND SEQUENCE ALL CLEANING AND CO
HB 🚰	HOSE BIBB	b. ENERGY CONSERVATION CODE c. MECHANICAL CODE	15. 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.	DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE  10. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE
WH 🚰	WALL HYDRANT	d. PLUMBING CODE e. FUEL GAS CODE	THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.	SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY I WORK.
W ⅓ FD ��	WATER HAMMER ARRESTER FLOOR DRAIN - SEE DETAIL E/P501	f. ACCESSIBILITY CODE	DOMESTIC PIPE CLEANING	11. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS STORAGE OF CONSTRUCTION MATERIALS. THE CON
HD 🛞	HUB DRAIN - SEE DETAIL F/P501	6. <u>FLORIDA STATUTES</u> a. CHAPTER 471 ENGINEERING	DOMESTIC FIFE CELAMING	PROTECTION AND SECURITY OF ALL EQUIPMENT AND  12. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK I
*		b. CHAPTER 533.80 BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE -	A. CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING AS FOLLOWS:	CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION MADE.
RD	COMBINATION ROOF DRAIN - SEE DETAIL D/P502	ENFORCEMENT	<ol> <li>PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.</li> </ol>	13. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAW CONSTRUCTION.
		7. <u>FLORIDA ADMINISTRATIVE CODE</u> a. CHAPTER 9B-7 FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS	<ol> <li>USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION: IF METHODS ARE NOT PRESCRIBED. USE PROCEDURES DESCRIBED IN EITHER</li> </ol>	14. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DO
WCO €#	WALL CLEAN OUT - SEE DETAIL D/P501	b. CHAPTER 61C-5 FLORIDA ELEVATOR SAFETY CODE c. CHAPTER 61G15-34 RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE	AWWA C651 OR AWWA C652 OR FOLLOW PROCEDURES DESCRIBED BELOW:  a. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT	PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS COMPLIED WITH THE CONTRACT DOCUMENT REQUIR
CO 0	CLEAN OUT - SEE DETAIL D/P501	DESIGN OF MECHANICAL SYSTEMS  d. CHAPTER 69A-3 FIRE PREVENTION - GENERAL PROVISIONS	APPEAR AT OUTLETS.  b. FILL AND ISOLATE SYSTEM ACCORDING TO EITHER OF THE FOLLOWING:	PRODUCT DATA AND SAMPLES".  15. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESP
<b></b>	CIRCULATOR PUMP	e. CHAPTER 69A-47 UNIFORM FIRE SAFETY STANDARDS FOR ELEVATORS f. CHAPTER 69A-60 THE FLORIDA FIRE PREVENTION CODE	THE AND ISOLATE STOTEM ACCORDING TO EITHER OF THE TOLLOWING.      FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 50 ppm OF CHLORINE. ISOLATE WITH VALVES AND ALLOW TO STAND FOR 24 HOURS.	REQUIREMENTS OF THE CONTRACT DOCUMENTS BY SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIM
VALVES		8. ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS (ADAAG)	2. FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 200	HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINTIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER
	BALL VALVE (WITH QUARTER TURN HANDLE)	RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEE	ppm OF CHLORINE. ISOLATE AND ALLOW TO STAND FOR THREE HOURS. c. FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING	SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA,
N.O. N.O.	BUTTERFLY VALVE (WITH QUARTER TURN HANDLE)	PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITITION NECESSAF FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.	d. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.	ARCHITECT/ENGINEER'S APPROVAL THEREOF.  16. PRIOR TO INSTALLATION, COORDINATE AND ADJUST
- N.O N.C	GLOBE VALVE	THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR,	e. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION.  B. PREPARE AND SUBMIT REPORTS OF PURGING AND DISINFECTING ACTIVITIES. INCLUDE COPIES OF	DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHE OR OTHER WALL MOUNTED FURNISHINGS.
	CHECK VALVE	MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS,	WATER-SAMPLE APPROVALS FROM AUTHORITIES HAVING JURISDICTION. C. CLEAN INTERIOR OF DOMESTIC WATER PIPING SYSTEM. REMOVE DIRT AND DEBRIS AS WORK	17. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INS DISMANTLING AND REASSEMBLING OF ANY EQUIPME
<b>∑</b> D	PRESSURE REDUCING VALVE	ORDINANCES, RULES, AND REGULATIONS.	PROGRESSES.	INTO THE BUILDING AND EQUIPMENT ROOMS.  18. PROTECT THE ROOF FROM DAMAGE WHENEVER ANY
	RELIEF VALVE	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	19. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ( BE TO STRUCTURAL SYSTEMS ONLY.
VALVE ACTUATORS:		STRINGENT.		20. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF AL
<u> </u>	QUARTER TURN LEVER		ALL DRAINAGE PIPIING  PIPE SIZES, INCHES MIN. SLOPE INCHES/FOOT	ASSEMBLIES. 21. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED TO A SECOND SHALL BE APPROVED TO A
T	HANDWHEEL		2" 1/4"	SLEEVES AND BEAM REINFORCING APPROVED BY ST AND INSTALLED BY THIS CONTRACTOR.
MEASUREME	INTS AND CONTROLS		3" 1/8"	22. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAW ASSEMBLY PENETRATION BY DUCTS, PIPES OR COND
	PRESSURE GAUGE AND ISOLATION VALVE		Δ" 1/8"	ON THE JOB SITE AT ALL TIMES DURING CONSTRUCT 23. CONTRACTOR SHALL GUARANTEE THE WORK AND M.
	MEMORY STOP FLOW CONTROL VALVE		6" 1/8"	DATE OF SUBSTANTIAL COMPLETION. THIS GUARANT PROVIDED BY MATERIAL SUPPLIERS AND MANUFACT
2.0	(NUMBER INDICATES FLOW IN GPM)		8" 1/16"	24. CONTRACTOR SHALL COMPLY WITH "TRENCH SAFET" OSHA STANDARD 29 CFR 1926.650 SUBPART P FOR AL
R	THERMOMETER  GAS REGULATOR		in the second se	DEEP. CONTRACTOR SHALL INDICATE WITHIN HIS BID SAFETY STANDARD AND A SEPARATE LINE ITEM COS
M	METER (WATER OR GAS)		10" 1/16" <u>NOTES:</u>	
			1. COMBINATION DRAIN AND VENT PIPING SHALL BE RUN AT A MAXIMUM SLOPE OF 1/2" PER FOOT	ABBREVIATIONS
MISCELLAN	NEOUS			AC ABOVE CEILING
$\square$	HINGED CEILING ACCESS PANEL			AD AREA DRAIN  AF ABOVE FLOOR
MIN. I.E. = 36" B.F.F.	MINIMUM INVERT ELEVATION BELOW REFERENCE ELEVATION			AFF ABOVE FLOOR  AFF ABOVE FINISHED FLOOR  AHAP AS HIGH AS POSSIBLE
<b>—</b>	POINT OF CONNECTION, NEW TO EXISTING	FIRESTOP SCHEDULE OF THROUGH PENETRATION	SYSTEMS. BASIS OF DESIGN: HILTI, INC.	BF BELOW FLOOR
<b>→</b>	POINT OF CONNECTION, PLUMBING TO CIVIL	CONCRETE FLOORS CO	NCRETE OR BLOCK WALLS GYPSUM WALLS	CWS COLD WATER SUPPLY
	SMOKE RATED WALL	TYPE OF PENETRANT   F-KATING	SIS OF DESIGN UL SYSTEM HILTI PRODUCTS	DN DOWN EWC ELECTRIC WATER COOLER
	1 HOUR FIRE RATED WALL 2 HOUR FIRE RATED WALL	CIRCULAR BLANK OPENINGS 1 F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090 CP 680, CP 618, FS-ONE MAX, CFS- BI	FD FLOOR DRAIN  HB HOSE BIBB
	2 HOOKT IKE TOTTED WILL	(0000-0999) 2 F-A-0006, C-AJ-0055, C-AJ-0090  METAL PIPES OF CONDUIT 1 C-AJ-1226, F-A-1028, F-A-1017 C-	C-AJ-0055, C-AJ-0090 W-L-1054, W-L-1058, W-L-1164, W-L-1506 CP 680, FS-ONE MAX CP 606, CFS-	HD HUB DRAIN HP HORSEPOWER
		WETAL FIRES (CONDUIT	AJ-1226, W-J-1067, W-J-1020 W-L-1054, W-L-1164, W-L-1506 CP 680, FS-ONE MAX, CP 606, CFS-26, 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	HWS HOT WATER SUPPLY HWR HOT WATER RECIRCULATION
			J-2109, C-AJ-2098, C-AJ-2167, W-L-2078, W-L-2075, W-L-2128	IE INVERT ELEVATION
		NON-METALLIC PIPE OR C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	CP 680, CP 643N, MINERAL WOOL, CP 644, FS-ONE MAX, CFS-S SIL	
		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	J-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342 W-L-2078, W-L-2075, W-L-2128 SL, CFS-S SIL CG, CP 648	
		1 F-A 5015, F-A 5017, C-AJ-5090, C A L 500	· · · · · · · · · · · · · · · · · · ·	
		INSULATED PIPES C-AJ-5091, C-AJ-5090, C-AJ-5048	0, C-AJ-5091, C-AJ 5061, W-J-5042 W-L-5028, W-L-5029, W-L-5047  CP 680, FS-ONE MAX, MINERAL WOO	_
		(5000-5999) 2 F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091	0, C-AJ-5091, C-AJ-5061, W-J-5042 W-L-5028, W-L-5029, W-L-5047	
		1 C-AJ-8099, C-AJ-8056, C-AJ-8143 C-AJ-805	9, C-AJ-8056, W-J-8007, C-AJ-8143 W-L-1095, W-L-8013	
		MIXED PENETRANTS	J 8099, C-AJ-8056, W-J-8007, W. L 4005, W. L 9042 ES ONE MAY CES PL CD 620, CD 640	DRAWING INDEX
		. , 2	C-AJ-8143, C-AJ-8252 W-L-1095, W-L-0013 P5-ONE WAX, CF5-BL, CF 020, CF 010	P001 GENERAL NOTES & LEGENDS
		NOTES:		P300 RISER - GAS SUPPLY P401 SCHEDULES
		JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS	OF THE UL-CLASSIFIED SYSTEM SELECTED.	P402 SCHEDULES
		2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CO	ONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.	P403 SCHEDULES P101-N FIRST FLOOR PLAN NORTH
		3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOS	E THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.	P101-S FIRST FLOOR PLAN SOUTH P102-N SECOND FLOOR PLAN NORTH
		4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APP	ROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.	P102-S SECOND FLOOR PLAN SOUTH
		5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED	MANUFACTURES: HILTI, RECTORSEAL, 3M, STL.	P201 ENLARGED PLANS P103 ROOF PLAN
				'

- NORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE AND LOCAL PLUMBING RE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- RE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER ACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS. ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION,
  - HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH. MITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE ND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE O OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL TLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR
  - N ON HIS PART. CTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES,
  - AND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK. ON MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SUBCONTRACTORS TO AVOID INTERFERENCES.
- HALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES. IAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING NGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING BULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT ON VEHICLE ACCESS AND EGRESS LOCATIONS.
- AND SEQUENCE ALL CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY NSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
- CTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE
- CTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE
- AND SECURITY OF ALL EQUIPMENT AND MATERIALS. CTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN ION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS
- CTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF
- R'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, ATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS ITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS,
- ATA AND SAMPLES". CTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM ITS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF NGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR CALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE MITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE /IATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS NS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ENGINEER'S APPROVAL THEREOF.
  - TALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED D EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS ALL MOUNTED FURNISHINGS.
- ECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY LDING AND EQUIPMENT ROOMS.
- E ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED. ND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS SHALL TURAL SYSTEMS ONLY.
- R SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL
- OOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED
- ED BY THIS CONTRACTOR. R SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED
- SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS. R SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM STANTIAL COMPLETION. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES MATERIAL SUPPLIERS AND MANUFACTURERS.
- R SHALL COMPLY WITH "TRENCH SAFETY ACT" (FLORIDA STATUTE 553 PART III) AND ARD 29 CFR 1926.650 SUBPART P FOR ALL UTILITY TRENCHES IN EXCESS OF 5 FEET RACTOR SHALL INDICATE WITHIN HIS BID RESPONSE A REFERENCE TO THE TRENCH DARD AND A SEPARATE LINE ITEM COST OF COMPLIANCE WITH STANDARD.

DETAILS

AC AD AF AFF AHAP BF BG CWS DN EWC FD HB HD HWS	ABOVE CEILING AREA DRAIN ABOVE FLOOR ABOVE FLOOR ABOVE FINISHED FLOOR AS HIGH AS POSSIBLE BELOW FLOOR BELOW GRADE COLD WATER SUPPLY DOWN ELECTRIC WATER COOLER FLOOR DRAIN HOSE BIBB HUB DRAIN HORSEPOWER HOT WATER SUPPLY	IE IMB LHB LV MSB N/A NIS OD OS PSAN PVENT RD RL SH	INVERT ELEVATION ICE MAKER HOOK-UP BOX LAUNDRY HOOK-UP BOX LAVATORY MOP SERVICE BASIN NOT APPLICABLE NOT IN SCOPE OVERFLOW DRAIN OIL SEPARATOR SANITARY VENT ROOF DRAIN RAIN LEADER SHOWER
HWS HWR	HOT WATER SUPPLY HOT WATER RECIRCULATION	SK TYP	SINK TYPICAL
IE	INVERT ELEVATION	UR VTR WC	URINAL VENT THROUGH ROOF WATER CLOSET

WALL CLEANOUT

WALL HYDRANT

WATER HAMMER ARRESTER

WCO

## **WCSD EDUCATIONAL ANCILLARY FACILITIES -**DISTRICT OFFICE

ARCHITECTURE

www.emiarch.com 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

ENGINEERING

H2E PROJECT No. 17-17

114 EAST 5th AVENUE TALLAHASSEE, FL

32303 PHONE 850.224.7922 www.H2Engineering.com

THIS DOCUMENT IS THE PROPERTY OF H2Engineering AND IS PREPARED AS AN INSTRUMENT OF SERVICE. ITS

USE, REUSE OR REPRODUCTION, EXCEPT BY WRITTEN AGREEMENT WITH H2Engineering, IS PROHIBITED.

Florida Registry #2485

Jeffrey L. Tyler, P.E. #57093

**RECEIVED ALLSTATE CONSTRUCTION** 01-16-2025

DESCRIPTION

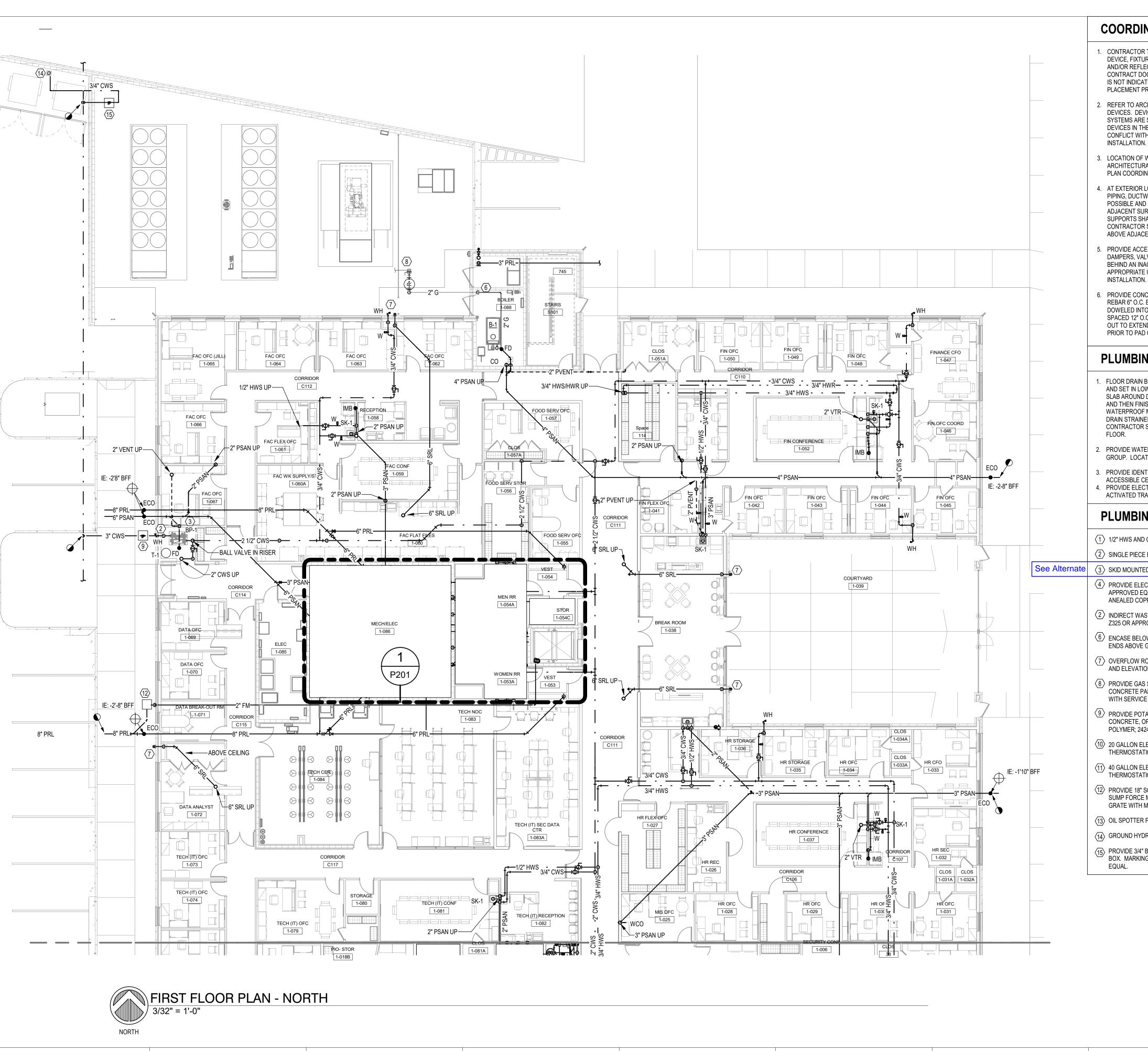
REV DATE

SHEET TITLE

PROJECT PHASE CONSTRUCTION DOCUMENTS DRAWN BY 15 JANUARY 2025 JDR PROJECT NO CHECKED BY JLT

> **GENERAL NOTES & LEGENDS**

> > REV NO



### **COORDINATION NOTES**

- CONTRACTOR TO COORDINATE THE LOCATION, ALIGNMENT, ELEVATION AND/OR SPACING OF ANY EXPOSED DEVICE, FIXTURE, AND/OR PIECE OF EQUIPMENT WITH THE ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND/OR REFLECTED CEILING PLANS. DISCREPANCIES AND/OR CONFLICTS CONTAINED WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF AN EXPOSED ITEM IS NOT INDICATED ON THE ARCHITECTURAL DOCUMENTS NOTIFY THE ARCHITECT FOR CLARIFICATION OF PLACEMENT PRIOR TO INSTALLATION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC LOCATIONS OF CEILING MOUNTED DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING MOUNTED DEVICES IN THE SAME SPACE. IF A DEVICE'S LOCATION IS NOT CLEARLY INDICATED OR THERE IS A CONFLICT WITHIN THE CONTRACT DOCUMENTS NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
- LOCATION OF WALL AND FLOOR MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DEVICES. WHERE NOT INDICATED ON ARCHITECT'S PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- 4. AT EXTERIOR LOCATIONS AND IN SPACES WITH EXPOSED STRUCTURE EXPOSED UTILITIES (INCLUDING PIPING, DUCTWORK, RACEWAYS, ETC.) SHALL BE INSTALLED NEATLY, BUNDLED TOGETHER TO EXTENT POSSIBLE AND RUN AT RIGHT ANGLES TO BUILDING LINES. THESE UTILITIES SHALL BE PAINTED TO MATCH ADJACENT SURFACE OR AS DIRECTED BY ARCHITECT. HANGERS, STEEL SHAPES AND SLOTTED STEEL SUPPORTS SHALL BE PAINTED TO MATCH RACEWAY OR AS DIRECTED BY ARCHITECT. TO EXTENT POSSIBLE CONTRACTOR SHALL AVOID EXPOSED RACEWAYS BY INSTALLING UTILITIES BELOW GRADE, IN WALL, OR ABOVE ADJACENT CONCEALED CEILING SPACES.
- PROVIDE ACCESS PANELS IN CEILING WHERE ANY DEVICE OR EQUIPMENT REQUIRING SERVICE (INCLUDING DAMPERS, VALVES, JUNCTION BOXES, CONTROLLERS, SMOKE DETECTORS, ETC.) IS LOCATED ABOVE OR BEHIND AN INACCESSIBLE CEILING OR WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR APPROPRIATE UL LABEL. COORDINATE LOCATION AND TYPE OF ACCESS PANEL WITH ARCHITECT PRIOR TO
- PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR OR GROUND MOUNTED EQUIPMENT WITH #4 REBAR 6" O.C. EACH WAY AND 1" CHAMFERED TOP EDGE. PADS ON CONCRETE SLAB SHALL BE 4" HIGH AND DOWELED INTO SLAB WITH #4 REBAR EXTENDING 2" INTO PAD, 3" INTO SLAB AND EPOXIED IN PLACE AND SPACED 12" O.C. AROUND PERIMETER OF PAD. PADS ON EARTH SHALL BE MINIMUM 6" THICK AND LAYED OUT TO EXTEND A MINIMUM OF 4" ABOVE GRADE AT HIGHEST GRADE LEVEL; COMPACT EARTH BELOW PAD PRIOR TO PAD CONSTRUCTION.

### **PLUMBING GENERAL NOTES**

- FLOOR DRAIN BODY SHALL BE SET SO STRAINER CAN BE ADJUSTED TO MINIMUM -1/4" BELOW TOP OF SLAB AND SET IN LOWEST POINT OF FLOOR SLAB. REMOVE MINIMUM OF 4'-0" x 4'-0" SQUARE OF CONCRETE SLAB AROUND DRAIN CENTER POINT AND POUR NEW 1ST LIFT OF CONCRETE UP TO CLAMPLING FLANGE AND THEN FINISH WITH TOPPING. SLOPE TOPPING AT MINIMUM 1/8" PER FOOT TO DRAIN. INSTALL WATERPROOF MEMBRANE BENEATH TOPPING AND SECURE IN DRAIN BODY CLAMPING FLANGE. ADJUST DRAIN STRAINER TOP TO BE FLUSH WITH LOWEST POINT OF NEW TOPPING. AFTER INSTALLATION CONTRACTOR SHALL CONFIRM WATER WILL FLOW FREELY TO DRAIN WITH NO PONDING ON FINISHED
- 2. PROVIDE WATER SUPPLY ISOLATION VALVES AT EACH BRANCH CONNECTION AND FOR EACH BATHROOM GROUP. LOCATE VALVES SO ACCESSIBLE OR PROVIDE ACCESS PANEL IN CEILING.
- 3. PROVIDE IDENTIFICATION STICKERS (1/2" ROUND) ON GRID WHERE VALVES ARE LOCATED ABOVE
- 4. PROVIDE ELECTRONIC TRAP PRIMER ASSEMBLY WHERE INDICATED; ELSEWHERE PROVIDE PRESSURE ACTIVATED TRAP PRIMER VALVES.

### PLUMBING KEYNOTES

- (1) 1/2" HWS AND CWS BRANCH LINES DOWN IN AND ROUTED THROUGH WALL TO FIXTURES.
- (2) SINGLE PIECE BUILDING RISER SEE SPECIFICATION SECTION 221116 "DOMESTIC WATER PIPING"
- See Alternate 3 SKID MOUNTED DUPLEX BOOSTER PUMP AND HYDRO-PNEUMATIC TANK SEE DETAIL A/P501
  - 4 PROVIDE ELECTRONIC TRAP-SEAL PRIMER SYSTEM; PRECISION PLUMBING PRODUCTS PTS-x-500 OR APPROVED EQUAL FOR FLOOR DRAINS IN RESTROOMS AND MECHANICAL ROOMS. ROUTE TUBING ANEALED COPPER TUBING BELOW FLOOR TO EACH FLOOR DRAIN IN AREA.
  - (2) INDIRECT WASTE FUNNEL WITH INTEGRAL BACKWATER VALVE FOR CONDENSATE DISCHARGE. ZURN Z325 OR APPROVED EQUAL.
  - 6 ENCASE BELOW SLAB GAS PIPING IN GALVANIZED STEEL SLEEVE. SEAL ANNULAR OPENINGS ON BOTH ENDS ABOVE GRADE AND VENT ENCASEMENT TO EXTERIOR OF BUILDING.
  - (7) OVERFLOW ROOF DRAIN DOWNSPOUT NOZZLE SEE DETAIL J/P501. COORDINATE EXACT PLACEMENT AND ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION.
  - (8) PROVIDE GAS SERVICE MAIN VALVE, REGULATOR (0.5 PSIG OUTLET), METER AND POUR 4" HIGH CONCRETE PAD BELOW ABOVE GRADE PIPING AND APPURTENANCES - SEE DETAIL C/P501. COORDINATE WITH SERVICE UTILITY PROVIDER FOR SPECIFIC REQUIRMENTS.
  - 9 PROVIDE POTABLE SERVICE AWWA BUTTERFLY VALVE INSIDE 24"x24" IN-GRADE TIER 22 POLYMER CONCRETE, OPEN BOTTOM VALVE BOX. MARKING ON LINE SHALL READ "WATER SERVICE". OLDCASTLE POLYMER: 2424. SEE DETAIL D/P503.
  - (10) 20 GALLON ELECTRIC WATER HEATER, SHELF MOUNTED ABOVE MOP SINK WITH EXPANSION TANK AND THERMOSTATIC MIXING VALVE. SEE DETAIL A/P502.
  - 40 GALLON ELECTRIC WATER HEATER, FLOOR MOUNTED WITH EXPANSION TANK, RECIRC PUMP AND THERMOSTATIC MIXING VALVE. SEE DETAIL B/P502.
  - (12) PROVIDE 18" SQUARE CATCH BASIN WITH GRATE AND 6" OUTLET TO RECEIVE DISCARGE FROM ELEVATOR SUMP FORCE MAIN. TURN FORCE MAIN UP 12" ABOVE GRADE AND ELBOW DOWN TO DISCHARGE OVER GRATE WITH MINIMUM 2" AIR GAP.
  - (13) OIL SPOTTER FOR ELEVATOR SUMP PUMP SEE DETAIL C/P502
  - (14) GROUND HYDRANT IN 12"x12" CONCRETE PAD. ZURN; Z1360XL OR APPROVED EQUAL.
  - \$\langle 15 \rangle PROVIDE 3/4" BALL VALVE INSIDE 18x10 IN-GRADE TIER 22 POLYMER CONCRETE OPEN BOTTOM VALVE BOX. MARKING ON LID SHALL READ "WATER SERVICE". OLDCASTLE POLYMER; 1118 OR APPROVED

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.

32303 PHONE 850.224.7922 www.H2Engineering.com THIS DOCUMENT IS THE PROPERTY OF H2Engineering AND IS PREPARED AS AN INSTRUMENT OF SERVICE. ITS USE, REUSE OR REPRODUCTION, EXCEPT BY WRITTEN AGREEMENT WITH H2Engineering, IS PROHIBITED.

> Florida Registry #2485 Jeffrey L. Tyler, P.E. #57093

### **WCSD EDUCATIONAL ANCILLARY FACILITIES -**DISTRICT OFFICE

**RECEIVED ALLSTATE CONSTRUCTION** 01-16-2025

R	REV	DATE	DESCRIPTION
ĸ			
	PROJEC	T PHASE	

SHEET TITLE

CONSTRUCTION DOCUMENTS

DRAWN BY 15 JANUARY 2025 JDR PROJECT NO **CHECKED BY** 68100 JLT

> FIRST FLOOR PLAN **NORTH**

> > **REV NO**

P101-N

### **COORDINATION NOTES**

- CONTRACTOR TO COORDINATE THE LOCATION, ALIGNMENT, ELEVATION AND/OR SPACING OF ANY EXPOSED DEVICE, FIXTURE, AND/OR PIECE OF EQUIPMENT WITH THE ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND/OR REFLECTED CEILING PLANS. DISCREPANCIES AND/OR CONFLICTS CONTAINED WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF AN EXPOSED ITEM IS NOT INDICATED ON THE ARCHITECTURAL DOCUMENTS NOTIFY THE ARCHITECT FOR CLARIFICATION OF PLACEMENT PRIOR TO INSTALLATION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC LOCATIONS OF CEILING MOUNTED DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING MOUNTED DEVICES IN THE SAME SPACE. IF A DEVICE'S LOCATION IS NOT CLEARLY INDICATED OR THERE IS A CONFLICT WITHIN THE CONTRACT DOCUMENTS NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
- 3. LOCATION OF WALL AND FLOOR MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DEVICES. WHERE NOT INDICATED ON ARCHITECT'S PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- 4. AT EXTERIOR LOCATIONS AND IN SPACES WITH EXPOSED STRUCTURE EXPOSED UTILITIES (INCLUDING PIPING, DUCTWORK, RACEWAYS, ETC.) SHALL BE INSTALLED NEATLY, BUNDLED TOGETHER TO EXTENT POSSIBLE AND RUN AT RIGHT ANGLES TO BUILDING LINES. THESE UTILITIES SHALL BE PAINTED TO MATCH ADJACENT SURFACE OR AS DIRECTED BY ARCHITECT. HANGERS, STEEL SHAPES AND SLOTTED STEEL SUPPORTS SHALL BE PAINTED TO MATCH RACEWAY OR AS DIRECTED BY ARCHITECT. TO EXTENT POSSIBLE CONTRACTOR SHALL AVOID EXPOSED RACEWAYS BY INSTALLING UTILITIES BELOW GRADE, IN WALL, OR ABOVE ADJACENT CONCEALED CEILING SPACES.
- PROVIDE ACCESS PANELS IN CEILING WHERE ANY DEVICE OR EQUIPMENT REQUIRING SERVICE (INCLUDING DAMPERS, VALVES, JUNCTION BOXES, CONTROLLERS, SMOKE DETECTORS, ETC.) IS LOCATED ABOVE OR BEHIND AN INACCESSIBLE CEILING OR WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR APPROPRIATE UL LABEL. COORDINATE LOCATION AND TYPE OF ACCESS PANEL WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR OR GROUND MOUNTED EQUIPMENT WITH #4 REBAR 6" O.C. EACH WAY AND 1" CHAMFERED TOP EDGE. PADS ON CONCRETE SLAB SHALL BE 4" HIGH AND DOWELED INTO SLAB WITH #4 REBAR EXTENDING 2" INTO PAD, 3" INTO SLAB AND EPOXIED IN PLACE AND SPACED 12" O.C. AROUND PERIMETER OF PAD. PADS ON EARTH SHALL BE MINIMUM 6" THICK AND LAYED OUT TO EXTEND A MINIMUM OF 4" ABOVE GRADE AT HIGHEST GRADE LEVEL; COMPACT EARTH BELOW PAD PRIOR TO PAD CONSTRUCTION.

ARCHITECTURE PLANNING INTERIORS GRAPHICS

ELLIOTT MARSHALL INNES P.A. (EMI architects) 251 E. 7TH AVENUE TALLAHASSEE FL 32303 LICENSE #s AA C000409 IB C000153

### **PLUMBING GENERAL NOTES**

- FLOOR DRAIN BODY SHALL BE SET SO STRAINER CAN BE ADJUSTED TO MINIMUM -1/4" BELOW TOP OF SLAB AND SET IN LOWEST POINT OF FLOOR SLAB. REMOVE MINIMUM OF 4'-0" x 4'-0" X QUARE OF CONCRETE SLAB AROUND DRAIN CENTER POINT AND POUR NEW 1ST LIFT OF CONCRETE UP TO CLAMPLING FLANGE AND THEN FINISH WITH TOPPING. SLOPE TOPPING AT MINIMUM 1/8" PER FOOT TO DRAIN. INSTALL WATERPROOF MEMBRANE BENEATH TOPPING AND SECURE IN DRAIN BODY CLAMPING FLANGE. ADJUST DRAIN STRAINER TOP TO BE FLUSH WITH LOWEST POINT OF NEW TOPPING. AFTER INSTALLATION CONTRACTOR SHALL CONFIRM WATER WILL FLOW FREELY TO DRAIN WITH NO PONDING ON FINISHED
- 2. PROVIDE WATER SUPPLY ISOLATION VALVES AT EACH BRANCH CONNECTION AND FOR EACH BATHROOM GROUP. LOCATE VALVES SO ACCESSIBLE OR PROVIDE ACCESS PANEL IN CEILING.
- 3. PROVIDE IDENTIFICATION STICKERS (1/2" ROUND) ON GRID WHERE VALVES ARE LOCATED ABOVE
- 4. PROVIDE ELECTRONIC TRAP PRIMER ASSEMBLY WHERE INDICATED; ELSEWHERE PROVIDE PRESSURE ACTIVATED TRAP PRIMER VALVES.

### PLUMBING KEYNOTES

SEC SCHOOL SAFETY

1-005

SECUR OFC

1-004

SECURITY OFC

1-003

SECURE LOBBY

- (1) 1/2" HWS AND CWS BRANCH LINES DOWN IN AND ROUTED THROUGH WALL TO FIXTURES.
- (2) SINGLE PIECE BUILDING RISER SEE SPECIFICATION SECTION 221116 "DOMESTIC WATER PIPING"
- (3) SKID MOUNTED DUPLEX BOOSTER PUMP AND HYDRO-PNEUMATIC TANK SEE DETAIL A/P501
- PROVIDE ELECTRONIC TRAP-SEAL PRIMER SYSTEM; PRECISION PLUMBING PRODUCTS PTS-x-500 OR APPROVED EQUAL FOR FLOOR DRAINS IN RESTROOMS AND MECHANICAL ROOMS. ROUTE TUBING ANEALED COPPER TUBING BELOW FLOOR TO EACH FLOOR DRAIN IN AREA.
- (2) INDIRECT WASTE FUNNEL WITH INTEGRAL BACKWATER VALVE FOR CONDENSATE DISCHARGE. ZURN Z325 OR APPROVED EQUAL.
- (6) ENCASE BELOW SLAB GAS PIPING IN GALVANIZED STEEL SLEEVE. SEAL ANNULAR OPENINGS ON BOTH ENDS ABOVE GRADE AND VENT ENCASEMENT TO EXTERIOR OF BUILDING.
- (7) OVERFLOW ROOF DRAIN DOWNSPOUT NOZZLE SEE DETAIL J/P501. COORDINATE EXACT PLACEMENT AND ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION.
- (8) PROVIDE GAS SERVICE MAIN VALVE, REGULATOR (0.5 PSIG OUTLET), METER AND POUR 4" HIGH CONCRETE PAD BELOW ABOVE GRADE PIPING AND APPURTENANCES - SEE DETAIL C/P501. COORDINATE WITH SERVICE UTILITY PROVIDER FOR SPECIFIC REQUIRMENTS.
- 9 PROVIDE POTABLE SERVICE AWWA BUTTERFLY VALVE INSIDE 24"x24" IN-GRADE TIER 22 POLYMER CONCRETE, OPEN BOTTOM VALVE BOX. MARKING ON LINE SHALL READ "WATER SERVICE". OLDCASTLE POLYMER; 2424. SEE DETAIL D/P503.
- (10) 20 GALLON ELECTRIC WATER HEATER, SHELF MOUNTED ABOVE MOP SINK WITH EXPANSION TANK AND THERMOSTATIC MIXING VALVE. SEE DETAIL A/P502.
- (11) 40 GALLON ELECTRIC WATER HEATER, FLOOR MOUNTED WITH EXPANSION TANK, RECIRC PUMP AND THERMOSTATIC MIXING VALVE. SEE DETAIL B/P502.
- <12> PROVIDE 18" SQUARE CATCH BASIN WITH GRATE AND 6" OUTLET TO RECEIVE DISCARGE FROM ELEVATOR SUMP FORCE MAIN. TURN FORCE MAIN UP 12" ABOVE GRADE AND ELBOW DOWN TO DISCHARGE OVER GRATE WITH MINIMUM 2" AIR GAP.
- (13) OIL SPOTTER FOR ELEVATOR SUMP PUMP SEE DETAIL C/P502
- (14) GROUND HYDRANT IN 12"x12" CONCRETE PAD. ZURN; Z1360XL OR APPROVED EQUAL.
- ⟨15⟩ PROVIDE 3/4" BALL VALVE INSIDE 18x10 IN-GRADE TIER 22 POLYMER CONCRETE OPEN BOTTOM VALVE BOX. MARKING ON LID SHALL READ "WATER SERVICE". OLDCASTLE POLYMER; 1118 OR APPROVED

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



www.H2Engineering.com THIS DOCUMENT IS THE PROPERTY OF H2Engineering AND IS PREPARED AS AN INSTRUMENT OF SERVICE. ITS USE, REUSE OR REPRODUCTION, EXCEPT BY WRITTEN AGREEMENT WITH H2Engineering, IS PROHIBITED.

> Florida Registry #2485 Jeffrey L. Tyler, P.E. #57093

### **WCSD EDUCATIONAL ANCILLARY FACILITIES -**DISTRICT OFFICE

**ALLSTATE CONSTRUCTION** 01-16-2025

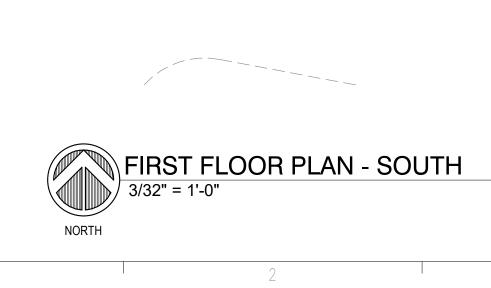
R	REV	DATE	DESCRIPTION
К			
	חחס ובכי	TDUACE	

CONSTRUCTION DOCUMENTS

DRAWN BY 15 JANUARY 2025 JDR PROJECT NO CHECKED BY JLT SHEET TITLE

> FIRST FLOOR PLAN SOUTH

P101-S



TECH (IT) OFC

1-075

TECH (IT) OFC

1-076

1-016

IE: -2'8" BFF

1-081A

MEN RR

1-008

WOMEN RR

1-009

1-020A

1-010

 $\rightarrow$ 

71 7 NW 7 IA I ALIV

MIS OFC

MIS STOR

1-006A

ROTONDA / GALLERY

1-002A

MAIL RM

1-002

MIS FLEX

1-018B

<sup>⊥</sup> PIO VEST

1-018

PIO- SD BOOTH

1-018C

-4" PSAN----

PIO- VIDEO STUDIO

1-018D

CUSTODIAL SUITE

1-019

P201

TECH (IT) OFC

1-078

TECH RECEIVING

WCO

CORRIDOR

C102

1-012

BOARD STORA

UP TO RD & OD—

## 2-001A 4" PSAN DN C&ITSA/PROJ SPEC \_\_\_ C&I OFFICE C&I SUPERVISOR 2-043 <u></u> 2-044 SUP SUPERINTEND OFC 2-001 BRANCH DN —3" VTR ∠—2" VTR 2-035 W 2" PSAN DN UP TO 2" VTR UP-2-034 -2" CWS-2-003A -2" CWS DN MEN RR 6" SRL DN 2-049A MECH/ELEC SUP RECEPTION 2-038 2-003 P201 2-050A 123 SF UP TO RD & OD-2-016 & OD\_\_\_\_\_ 2-026 SUP BOARD SECRETARY SS-OFC 2-025 MS-CURR COOR 2-024 CORRIDOR C205 MS-3 FLEX OFC \_2" PSAN DN-SECOND FLOOR PLAN - NORTH

### **COORDINATION NOTES**

- CONTRACTOR TO COORDINATE THE LOCATION, ALIGNMENT, ELEVATION AND/OR SPACING OF ANY EXPOSED DEVICE, FIXTURE, AND/OR PIECE OF EQUIPMENT WITH THE ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND/OR REFLECTED CEILING PLANS. DISCREPANCIES AND/OR CONFLICTS CONTAINED WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF AN EXPOSED ITEM IS NOT INDICATED ON THE ARCHITECTURAL DOCUMENTS NOTIFY THE ARCHITECT FOR CLARIFICATION OF PLACEMENT PRIOR TO INSTALLATION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC LOCATIONS OF CEILING MOUNTED DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING MOUNTED DEVICES IN THE SAME SPACE. IF A DEVICE'S LOCATION IS NOT CLEARLY INDICATED OR THERE IS A CONFLICT WITHIN THE CONTRACT DOCUMENTS NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
- 3. LOCATION OF WALL AND FLOOR MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DEVICES. WHERE NOT INDICATED ON ARCHITECT'S PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- 4. AT EXTERIOR LOCATIONS AND IN SPACES WITH EXPOSED STRUCTURE EXPOSED UTILITIES (INCLUDING PIPING, DUCTWORK, RACEWAYS, ETC.) SHALL BE INSTALLED NEATLY, BUNDLED TOGETHER TO EXTENT POSSIBLE AND RUN AT RIGHT ANGLES TO BUILDING LINES. THESE UTILITIES SHALL BE PAINTED TO MATCH ADJACENT SURFACE OR AS DIRECTED BY ARCHITECT. HANGERS, STEEL SHAPES AND SLOTTED STEEL SUPPORTS SHALL BE PAINTED TO MATCH RACEWAY OR AS DIRECTED BY ARCHITECT. TO EXTENT POSSIBLE CONTRACTOR SHALL AVOID EXPOSED RACEWAYS BY INSTALLING UTILITIES BELOW GRADE, IN WALL, OR ABOVE ADJACENT CONCEALED CEILING SPACES.
- PROVIDE ACCESS PANELS IN CEILING WHERE ANY DEVICE OR EQUIPMENT REQUIRING SERVICE (INCLUDING DAMPERS, VALVES, JUNCTION BOXES, CONTROLLERS, SMOKE DETECTORS, ETC.) IS LOCATED ABOVE OR BEHIND AN INACCESSIBLE CEILING OR WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR APPROPRIATE UL LABEL. COORDINATE LOCATION AND TYPE OF ACCESS PANEL WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR OR GROUND MOUNTED EQUIPMENT WITH #4 REBAR 6" O.C. EACH WAY AND 1" CHAMFERED TOP EDGE. PADS ON CONCRETE SLAB SHALL BE 4" HIGH AND DOWELED INTO SLAB WITH #4 REBAR EXTENDING 2" INTO PAD, 3" INTO SLAB AND EPOXIED IN PLACE AND SPACED 12" O.C. AROUND PERIMETER OF PAD. PADS ON EARTH SHALL BE MINIMUM 6" THICK AND LAYED OUT TO EXTEND A MINIMUM OF 4" ABOVE GRADE AT HIGHEST GRADE LEVEL; COMPACT EARTH BELOW PAD PRIOR TO PAD CONSTRUCTION.

### **PLUMBING GENERAL NOTES**

- FLOOR DRAIN BODY SHALL BE SET SO STRAINER CAN BE ADJUSTED TO MINIMUM -1/4" BELOW TOP OF SLAB AND SET IN LOWEST POINT OF FLOOR SLAB. REMOVE MINIMUM OF 4'-0" x 4'-0" X QUARE OF CONCRETE SLAB AROUND DRAIN CENTER POINT AND POUR NEW 1ST LIFT OF CONCRETE UP TO CLAMPLING FLANGE AND THEN FINISH WITH TOPPING. SLOPE TOPPING AT MINIMUM 1/8" PER FOOT TO DRAIN. INSTALL WATERPROOF MEMBRANE BENEATH TOPPING AND SECURE IN DRAIN BODY CLAMPING FLANGE. ADJUST DRAIN STRAINER TOP TO BE FLUSH WITH LOWEST POINT OF NEW TOPPING. AFTER INSTALLATION CONTRACTOR SHALL CONFIRM WATER WILL FLOW FREELY TO DRAIN WITH NO PONDING ON FINISHED
- 2. PROVIDE WATER SUPPLY ISOLATION VALVES AT EACH BRANCH CONNECTION AND FOR EACH BATHROOM GROUP. LOCATE VALVES SO ACCESSIBLE OR PROVIDE ACCESS PANEL IN CEILING.
- 3. PROVIDE IDENTIFICATION STICKERS (1/2" ROUND) ON GRID WHERE VALVES ARE LOCATED ABOVE
- 4. PROVIDE ELECTRONIC TRAP PRIMER ASSEMBLY WHERE INDICATED; ELSEWHERE PROVIDE PRESSURE ACTIVATED TRAP PRIMER VALVES.

### PLUMBING KEYNOTES

- (1) 1/2" HWS AND CWS BRANCH LINES DOWN IN AND ROUTED THROUGH WALL TO FIXTURES.
- 2 SINGLE PIECE BUILDING RISER SEE SPECIFICATION SECTION 221116 "DOMESTIC WATER PIPING"
- (3) SKID MOUNTED DUPLEX BOOSTER PUMP AND HYDRO-PNEUMATIC TANK SEE DETAIL A/P501
- 4 PROVIDE ELECTRONIC TRAP-SEAL PRIMER SYSTEM: PRECISION PLUMBING PRODUCTS PTS-x-500 OR APPROVED EQUAL FOR FLOOR DRAINS IN RESTROOMS AND MECHANICAL ROOMS. ROUTE TUBING ANEALED COPPER TUBING BELOW FLOOR TO EACH FLOOR DRAIN IN AREA.
- (2) INDIRECT WASTE FUNNEL WITH INTEGRAL BACKWATER VALVE FOR CONDENSATE DISCHARGE. ZURN Z325 OR APPROVED EQUAL.
- 6 ENCASE BELOW SLAB GAS PIPING IN GALVANIZED STEEL SLEEVE. SEAL ANNULAR OPENINGS ON BOTH ENDS ABOVE GRADE AND VENT ENCASEMENT TO EXTERIOR OF BUILDING.
- (7) OVERFLOW ROOF DRAIN DOWNSPOUT NOZZLE SEE DETAIL J/P501. COORDINATE EXACT PLACEMENT AND ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION.
- (8) PROVIDE GAS SERVICE MAIN VALVE, REGULATOR (0.5 PSIG OUTLET), METER AND POUR 4" HIGH CONCRETE PAD BELOW ABOVE GRADE PIPING AND APPURTENANCES - SEE DETAIL C/P501. COORDINATE WITH SERVICE UTILITY PROVIDER FOR SPECIFIC REQUIRMENTS.
- 9 PROVIDE POTABLE SERVICE AWWA BUTTERFLY VALVE INSIDE 24"x24" IN-GRADE TIER 22 POLYMER CONCRETE, OPEN BOTTOM VALVE BOX. MARKING ON LINE SHALL READ "WATER SERVICE". OLDCASTLE POLYMER: 2424. SEE DETAIL D/P503.
- (10) 20 GALLON ELECTRIC WATER HEATER, SHELF MOUNTED ABOVE MOP SINK WITH EXPANSION TANK AND THERMOSTATIC MIXING VALVE. SEE DETAIL A/P502.
- 40 GALLON ELECTRIC WATER HEATER, FLOOR MOUNTED WITH EXPANSION TANK, RECIRC PUMP AND
- (12) PROVIDE 18" SQUARE CATCH BASIN WITH GRATE AND 6" OUTLET TO RECEIVE DISCARGE FROM ELEVATO SUMP FORCE MAIN. TURN FORCE MAIN UP 12" ABOVE GRADE AND ELBOW DOWN TO DISCHARGE OVER GRATE WITH MINIMUM 2" AIR GAP.
- (13) OIL SPOTTER FOR ELEVATOR SUMP PUMP SEE DETAIL C/P502

THERMOSTATIC MIXING VALVE. SEE DETAIL B/P502.

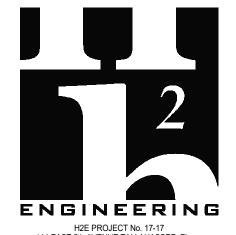
- (14) GROUND HYDRANT IN 12"x12" CONCRETE PAD. ZURN; Z1360XL OR APPROVED EQUAL.
- PROVIDE 3/4" BALL VALVE INSIDE 18x10 IN-GRADE TIER 22 POLYMER CONCRETE OPEN BOTTOM VALVE BOX. MARKING ON LID SHALL READ "WATER SERVICE". OLDCASTLE POLYMER; 1118 OR APPROVED

ARCHITECTURE

PLANNING INTERIORS GRAPHICS

ELLIOTT MARSHALL INNES P.A. (EMI architects) 251 E. 7TH AVENUE TALLAHASSEE FL 32303 LICENSE #s AA C000409 IB C000153

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



114 EAST 5th AVENUE TALLAHASSEE, FL 32303 PHONE 850.224.7922 www.H2Engineering.com THIS DOCUMENT IS THE PROPERTY OF H2Engineering AND IS PREPARED AS AN INSTRUMENT OF SERVICE. ITS USE, REUSE OR REPRODUCTION, EXCEPT BY WRITTEN AGREEMENT WITH H2Engineering, IS PROHIBITED.

> Florida Registry #2485 Jeffrey L. Tyler, P.E. #57093

**WCSD EDUCATIONAL ANCILLARY FACILITIES -**DISTRICT OFFICE

**ALLSTATE CONSTRUCTION** 01-16-2025

)R	REV	DATE	DESCRIPTION
Л			
	DD0 150	T DU 14.05	

PROJECT PHASE

CONSTRUCTION DOCUMENTS

DATE	DRAWN BY
15 JANUARY 2025	JDR
PROJECT NO	CHECKED BY
68100	JLT
SHEET TITLE	

SECOND FLOOR PLAN **NORTH** 

P102-N

# MULTI<u>PURP WOR</u>K RM —3" SD DN UP TO RD & OD-Ŷ──3" PSPAN DN MECHANICAL 2-012 4" PRL & SRL DN-UP TO RD & OD-6" PRL DN-

### **COORDINATION NOTES**

- CONTRACTOR TO COORDINATE THE LOCATION, ALIGNMENT, ELEVATION AND/OR SPACING OF ANY EXPOSED DEVICE, FIXTURE, AND/OR PIECE OF EQUIPMENT WITH THE ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND/OR REFLECTED CEILING PLANS. DISCREPANCIES AND/OR CONFLICTS CONTAINED WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF AN EXPOSED ITEM IS NOT INDICATED ON THE ARCHITECTURAL DOCUMENTS NOTIFY THE ARCHITECT FOR CLARIFICATION OF PLACEMENT PRIOR TO INSTALLATION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SPECIFIC LOCATIONS OF CEILING MOUNTED DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING MOUNTED DEVICES IN THE SAME SPACE. IF A DEVICE'S LOCATION IS NOT CLEARLY INDICATED OR THERE IS A CONFLICT WITHIN THE CONTRACT DOCUMENTS NOTIFY ARCHITECT FOR CLARIFICATION PRIOR TO INSTALLATION.
- 3. LOCATION OF WALL AND FLOOR MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF DEVICES. WHERE NOT INDICATED ON ARCHITECT'S PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- 4. AT EXTERIOR LOCATIONS AND IN SPACES WITH EXPOSED STRUCTURE EXPOSED UTILITIES (INCLUDING PIPING, DUCTWORK, RACEWAYS, ETC.) SHALL BE INSTALLED NEATLY, BUNDLED TOGETHER TO EXTENT POSSIBLE AND RUN AT RIGHT ANGLES TO BUILDING LINES. THESE UTILITIES SHALL BE PAINTED TO MATCH ADJACENT SURFACE OR AS DIRECTED BY ARCHITECT. HANGERS, STEEL SHAPES AND SLOTTED STEEL SUPPORTS SHALL BE PAINTED TO MATCH RACEWAY OR AS DIRECTED BY ARCHITECT. TO EXTENT POSSIBLE CONTRACTOR SHALL AVOID EXPOSED RACEWAYS BY INSTALLING UTILITIES BELOW GRADE, IN WALL, OR ABOVE ADJACENT CONCEALED CEILING SPACES.
- PROVIDE ACCESS PANELS IN CEILING WHERE ANY DEVICE OR EQUIPMENT REQUIRING SERVICE (INCLUDING DAMPERS, VALVES, JUNCTION BOXES, CONTROLLERS, SMOKE DETECTORS, ETC.) IS LOCATED ABOVE OR BEHIND AN INACCESSIBLE CEILING OR WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR APPROPRIATE UL LABEL. COORDINATE LOCATION AND TYPE OF ACCESS PANEL WITH ARCHITECT PRIOR TO INSTALLATION.
- 6. PROVIDE CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR OR GROUND MOUNTED EQUIPMENT WITH #4 REBAR 6" O.C. EACH WAY AND 1" CHAMFERED TOP EDGE. PADS ON CONCRETE SLAB SHALL BE 4" HIGH AND DOWELED INTO SLAB WITH #4 REBAR EXTENDING 2" INTO PAD. 3" INTO SLAB AND EPOXIED IN PLACE AND SPACED 12" O.C. AROUND PERIMETER OF PAD. PADS ON EARTH SHALL BE MINIMUM 6" THICK AND LAYED OUT TO EXTEND A MINIMUM OF 4" ABOVE GRADE AT HIGHEST GRADE LEVEL; COMPACT EARTH BELOW PAD PRIOR TO PAD CONSTRUCTION.

ARCHITECTURE

www.emiarch.com LICENSE #s AA C000409 IB C000153

GRAPHICS

(850) 222 - 7442

PLANNING INTERIORS

ELLIOTT MARSHALL INNES P.A. (EMI architects) 251 E. 7TH AVENUE TALLAHASSEE FL 32303

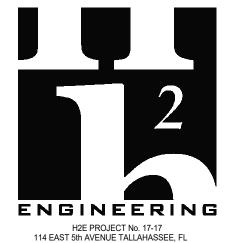
- FLOOR DRAIN BODY SHALL BE SET SO STRAINER CAN BE ADJUSTED TO MINIMUM -1/4" BELOW TOP OF SLAB AND SET IN LOWEST POINT OF FLOOR SLAB. REMOVE MINIMUM OF 4'-0" x 4'-0" X QUARE OF CONCRETE SLAB AROUND DRAIN CENTER POINT AND POUR NEW 1ST LIFT OF CONCRETE UP TO CLAMPLING FLANGE AND THEN FINISH WITH TOPPING. SLOPE TOPPING AT MINIMUM 1/8" PER FOOT TO DRAIN. INSTALL WATERPROOF MEMBRANE BENEATH TOPPING AND SECURE IN DRAIN BODY CLAMPING FLANGE. ADJUST DRAIN STRAINER TOP TO BE FLUSH WITH LOWEST POINT OF NEW TOPPING. AFTER INSTALLATION CONTRACTOR SHALL CONFIRM WATER WILL FLOW FREELY TO DRAIN WITH NO PONDING ON FINISHED
- 2. PROVIDE WATER SUPPLY ISOLATION VALVES AT EACH BRANCH CONNECTION AND FOR EACH BATHROOM GROUP. LOCATE VALVES SO ACCESSIBLE OR PROVIDE ACCESS PANEL IN CEILING.
- 3. PROVIDE IDENTIFICATION STICKERS (1/2" ROUND) ON GRID WHERE VALVES ARE LOCATED ABOVE
- 4. PROVIDE ELECTRONIC TRAP PRIMER ASSEMBLY WHERE INDICATED; ELSEWHERE PROVIDE PRESSURE ACTIVATED TRAP PRIMER VALVES.

### PLUMBING KEYNOTES

**PLUMBING GENERAL NOTES** 

- (1) 1/2" HWS AND CWS BRANCH LINES DOWN IN AND ROUTED THROUGH WALL TO FIXTURES.
- (2) SINGLE PIECE BUILDING RISER SEE SPECIFICATION SECTION 221116 "DOMESTIC WATER PIPING"
- (3) SKID MOUNTED DUPLEX BOOSTER PUMP AND HYDRO-PNEUMATIC TANK SEE DETAIL A/P501
- 4 PROVIDE ELECTRONIC TRAP-SEAL PRIMER SYSTEM; PRECISION PLUMBING PRODUCTS PTS-x-500 OR APPROVED EQUAL FOR FLOOR DRAINS IN RESTROOMS AND MECHANICAL ROOMS. ROUTE TUBING ANEALED COPPER TUBING BELOW FLOOR TO EACH FLOOR DRAIN IN AREA.
- (2) INDIRECT WASTE FUNNEL WITH INTEGRAL BACKWATER VALVE FOR CONDENSATE DISCHARGE. ZURN Z325 OR APPROVED EQUAL.
- 6 ENCASE BELOW SLAB GAS PIPING IN GALVANIZED STEEL SLEEVE. SEAL ANNULAR OPENINGS ON BOTH ENDS ABOVE GRADE AND VENT ENCASEMENT TO EXTERIOR OF BUILDING.
- (7) OVERFLOW ROOF DRAIN DOWNSPOUT NOZZLE SEE DETAIL J/P501. COORDINATE EXACT PLACEMENT AND ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION.
- 8 PROVIDE GAS SERVICE MAIN VALVE, REGULATOR (0.5 PSIG OUTLET), METER AND POUR 4" HIGH CONCRETE PAD BELOW ABOVE GRADE PIPING AND APPURTENANCES - SEE DETAIL C/P501. COORDINATE WITH SERVICE UTILITY PROVIDER FOR SPECIFIC REQUIRMENTS.
- 9 PROVIDE POTABLE SERVICE AWWA BUTTERFLY VALVE INSIDE 24"x24" IN-GRADE TIER 22 POLYMER CONCRETE, OPEN BOTTOM VALVE BOX. MARKING ON LINE SHALL READ "WATER SERVICE". OLDCASTLE POLYMER; 2424. SEE DETAIL D/P503.
- 20 GALLON ELECTRIC WATER HEATER, SHELF MOUNTED ABOVE MOP SINK WITH EXPANSION TANK AND THERMOSTATIC MIXING VALVE. SEE DETAIL A/P502.
- (11) 40 GALLON ELECTRIC WATER HEATER, FLOOR MOUNTED WITH EXPANSION TANK, RECIRC PUMP AND THERMOSTATIC MIXING VALVE. SEE DETAIL B/P502.
- (12) PROVIDE 18" SQUARE CATCH BASIN WITH GRATE AND 6" OUTLET TO RECEIVE DISCARGE FROM ELEVATOR SUMP FORCE MAIN. TURN FORCE MAIN UP 12" ABOVE GRADE AND ELBOW DOWN TO DISCHARGE OVER GRATE WITH MINIMUM 2" AIR GAP.
- (13) OIL SPOTTER FOR ELEVATOR SUMP PUMP SEE DETAIL C/P502
- GROUND HYDRANT IN 12"x12" CONCRETE PAD. ZURN; Z1360XL OR APPROVED EQUAL.
- \$\langle 15 \rangle PROVIDE 3/4" BALL VALVE INSIDE 18x10 IN-GRADE TIER 22 POLYMER CONCRETE OPEN BOTTOM VALVE BOX. MARKING ON LID SHALL READ "WATER SERVICE". OLDCASTLE POLYMER; 1118 OR APPROVED

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



114 EAST 5th AVENUE TALLAHASSEE, FL 32303 PHONE 850.224.7922 www.H2Engineering.com THIS DOCUMENT IS THE PROPERTY OF H2Engineering AND IS PREPARED AS AN INSTRUMENT OF SERVICE. ITS USE, REUSE OR REPRODUCTION, EXCEPT BY WRITTEN AGREEMENT WITH H2Engineering, IS PROHIBITED.

> Florida Registry #2485 Jeffrey L. Tyler, P.E. #57093

### **WCSD EDUCATIONAL ANCILLARY FACILITIES -**DISTRICT OFFICE

**ALLSTATE CONSTRUCTION** 01-16-2025

ь	REV	DATE	DESCRIPTION
R			
	PROJEC	T PHASE	

CONSTRUCTION DOCUMENTS

DRAWN BY 15 JANUARY 2025 JDR PROJECT NO **CHECKED BY** JLT SHEET TITLE

SECOND FLOOR PLAN SOUTH

P102-S

SECOND FLOOR PLAN - SOUTH

## Zone 11 3" RD/OD \* 3" VTR . 2" VTR 2" VTR Zone 4 0.00 **•:•** 6" RD/OD 6" RD/OD 4" VTR Zone 3 2" VTR 000 6" RD/OD 6" RD/OD Zone 10 • 2" VTR 4" RD/OD \* 3" VTR Zone 5 4" RD/OD Zone 6 4" RD/OD **ROOF PLAN**

### PLUMBING GENERAL NOTES

- 1. FLOOR DRAIN BODY SHALL BE SET SO STRAINER CAN BE ADJUSTED TO MINIMUM -1/4" BELOW TOP OF SLAB AND SET IN LOWEST POINT OF FLOOR SLAB. REMOVE MINIMUM OF 4'-0" x 4'-0" x QUARE OF CONCRETE SLAB AROUND DRAIN CENTER POINT AND POUR NEW 1ST LIFT OF CONCRETE UP TO CLAMPLING FLANGE AND THEN FINISH WITH TOPPING. SLOPE TOPPING AT MINIMUM 1/8" PER FOOT TO DRAIN. INSTALL WATERPROOF MEMBRANE BENEATH TOPPING AND SECURE IN DRAIN BODY CLAMPING FLANGE. ADJUST DRAIN STRAINER TOP TO BE FLUSH WITH LOWEST POINT OF NEW TOPPING. AFTER INSTALLATION CONTRACTOR SHALL CONFIRM WATER WILL FLOW FREELY TO DRAIN WITH NO PONDING ON FINISHED FLOOR.
- 2. PROVIDE WATER SUPPLY ISOLATION VALVES AT EACH BRANCH CONNECTION AND FOR EACH BATHROOM GROUP. LOCATE VALVES SO ACCESSIBLE OR PROVIDE ACCESS PANEL IN CEILING.
- 3. PROVIDE IDENTIFICATION STICKERS (1/2" ROUND) ON GRID WHERE VALVES ARE LOCATED ABOVE ACCESSIBLE CEILINGS.
- PROVIDE ELECTRONIC TRAP PRIMER ASSEMBLY WHERE INDICATED; ELSEWHERE PROVIDE PRESSURE ACTIVATED TRAP PRIMER VALVES.

### **PLUMBING KEYNOTES**

- 1/2" HWS AND CWS BRANCH LINES DOWN IN AND ROUTED THROUGH WALL TO FIXTURES.
- 2 SINGLE PIECE BUILDING RISER SEE SPECIFICATION SECTION 221116 "DOMESTIC WATER PIPING"
- (3) SKID MOUNTED DUPLEX BOOSTER PUMP AND HYDRO-PNEUMATIC TANK SEE DETAIL A/P501
- PROVIDE ELECTRONIC TRAP-SEAL PRIMER SYSTEM; PRECISION PLUMBING PRODUCTS PTS-x-500 OR APPROVED EQUAL FOR FLOOR DRAINS IN RESTROOMS AND MECHANICAL ROOMS. ROUTE TUBING ANEALED COPPER TUBING BELOW FLOOR TO EACH FLOOR DRAIN IN AREA.
- (2) INDIRECT WASTE FUNNEL WITH INTEGRAL BACKWATER VALVE FOR CONDENSATE DISCHARGE. ZURN Z325 OR APPROVED EQUAL.
- 6 ENCASE BELOW SLAB GAS PIPING IN GALVANIZED STEEL SLEEVE. SEAL ANNULAR OPENINGS ON BOTH ENDS ABOVE GRADE AND VENT ENCASEMENT TO EXTERIOR OF BUILDING.
- 7 OVERFLOW ROOF DRAIN DOWNSPOUT NOZZLE SEE DETAIL J/P501. COORDINATE EXACT PLACEMENT AND ELEVATION ABOVE FINISHED FLOOR WITH ARCHITECT PRIOR TO INSTALLATION.
- 8 PROVIDE GAS SERVICE MAIN VALVE, REGULATOR (0.5 PSIG OUTLET), METER AND POUR 4" HIGH CONCRETE PAD BELOW ABOVE GRADE PIPING AND APPURTENANCES SEE DETAIL C/P501. COORDINATE WITH SERVICE UTILITY PROVIDER FOR SPECIFIC REQUIRMENTS.
- PROVIDE POTABLE SERVICE AWWA BUTTERFLY VALVE INSIDE 24"x24" IN-GRADE TIER 22 POLYMER CONCRETE, OPEN BOTTOM VALVE BOX. MARKING ON LINE SHALL READ "WATER SERVICE". OLDCASTLE POLYMER; 2424. SEE DETAIL D/P503.
- 20 GALLON ELECTRIC WATER HEATER, SHELF MOUNTED ABOVE MOP SINK WITH EXPANSION TANK AND THERMOSTATIC MIXING VALVE. SEE DETAIL A/P502.
- 40 GALLON ELECTRIC WATER HEATER, FLOOR MOUNTED WITH EXPANSION TANK, RECIRC PUMP AND THERMOSTATIC MIXING VALVE. SEE DETAIL B/P502.
- PROVIDE 18" SQUARE CATCH BASIN WITH GRATE AND 6" OUTLET TO RECEIVE DISCARGE FROM ELEVATOR SUMP FORCE MAIN. TURN FORCE MAIN UP 12" ABOVE GRADE AND ELBOW DOWN TO DISCHARGE OVER GRATE WITH MINIMUM 2" AIR GAP.
- (13) OIL SPOTTER FOR ELEVATOR SUMP PUMP SEE DETAIL C/P502
- (14) GROUND HYDRANT IN 12"x12" CONCRETE PAD. ZURN; Z1360XL OR APPROVED EQUAL.
- PROVIDE 3/4" BALL VALVE INSIDE 18x10 IN-GRADE TIER 22 POLYMER CONCRETE OPEN BOTTOM VALVE BOX. MARKING ON LID SHALL READ "WATER SERVICE". OLDCASTLE POLYMER; 1118 OR APPROVED



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL INNES P.A. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222 - 7442
www.emiarch.com
LICENSE #s AA C000409 IB C000153

NOTE:

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

THE SCALE NOTED ON THESE DRAWINGS



H2E PROJECT No. 17-17

114 EAST 5th AVENUE TALLAHASSEE, FL
32303 PHONE 850.224.7922

www.H2Engineering.com

THIS DOCUMENT IS THE PROPERTY OF H2Engineering
AND IS PREPARED AS AN INSTRUMENT OF SERVICE. ITS
USE, REUSE OR REPRODUCTION, EXCEPT BY WRITTEN
AGREEMENT WITH H2Engineering, IS PROHIBITED.

Florida Registry #2485

Jeffrey L. Tyler, P.E. #57093

### WCSD EDUCATIONAL ANCILLARY FACILITIES -DISTRICT OFFICE

RECEIVED
ALLSTATE CONSTRUCTION
01-16-2025

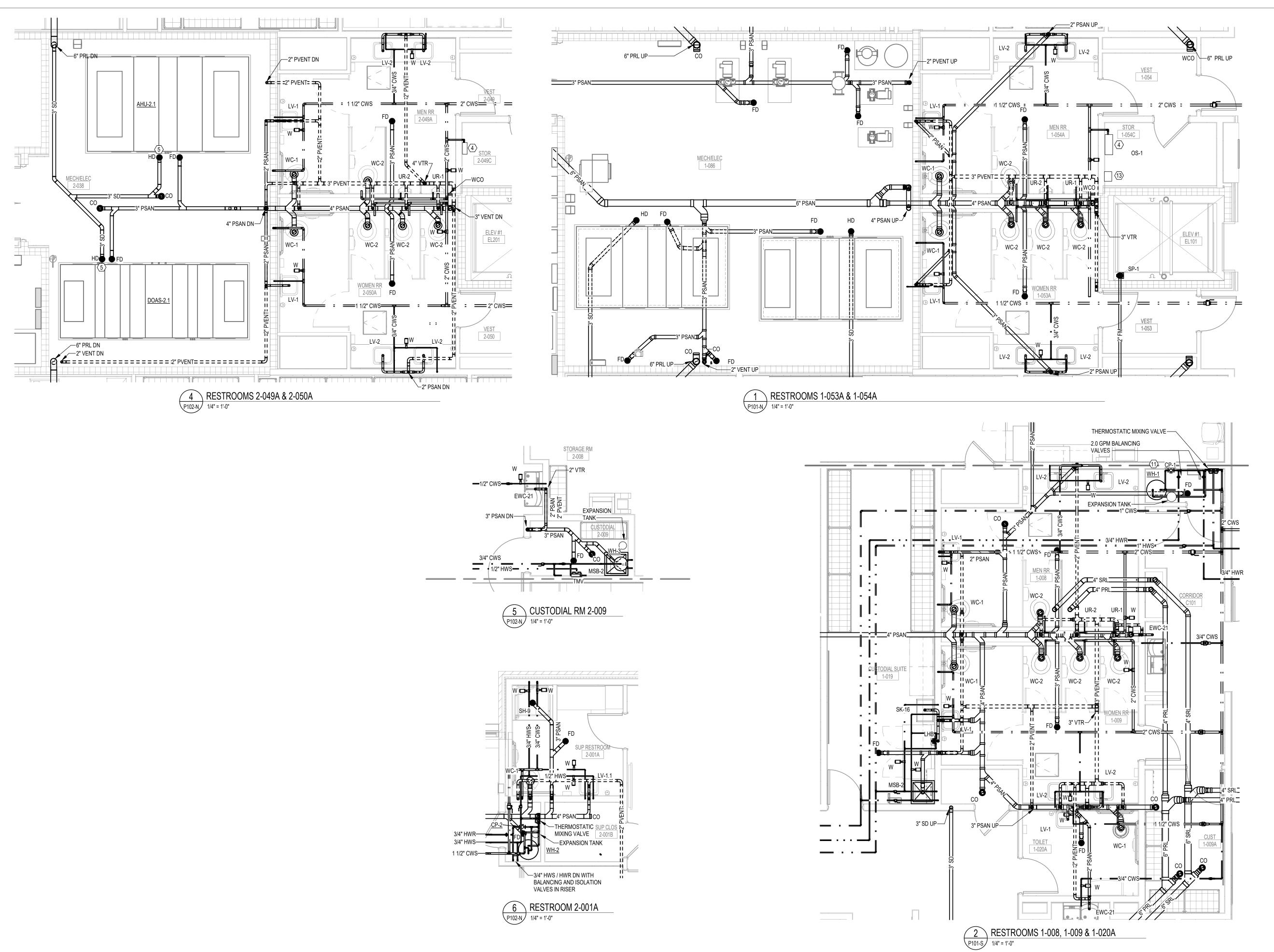
REV	DATE	DESCRIPTION
PROJEC	T PHASE	
CONST	RUCTION D	OCUMENTS

DATE DRAWN BY
15 JANUARY 2025 JDR
PROJECT NO CHECKED BY

SHEET TITLE

**ROOF PLAN** 

JLT



architects

ARCHITECTURE PLANNING INTERIORS

**GRAPHICS** ELLIOTT MARSHALL INNES P.A. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222 - 7442
www.emiarch.com
ucense #s Aa C000409 IB C000153

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



## **WCSD EDUCATIONAL ANCILLARY FACILITIES -**DISTRICT OFFICE

RECEIVED ALLSTATE CONSTRUCTION 01-16-2025

REV	DATE	DESCRIPTION				
PROJE	CT PHASE					
CONS	TRUCTION	DOCUMENTS				
DATE		DD AVAAL DV				

DRAWN BY 15 JANUARY 2025 JDR

PROJECT NO CHECKED BY SHEET TITLE

**ENLARGED PLANS** 

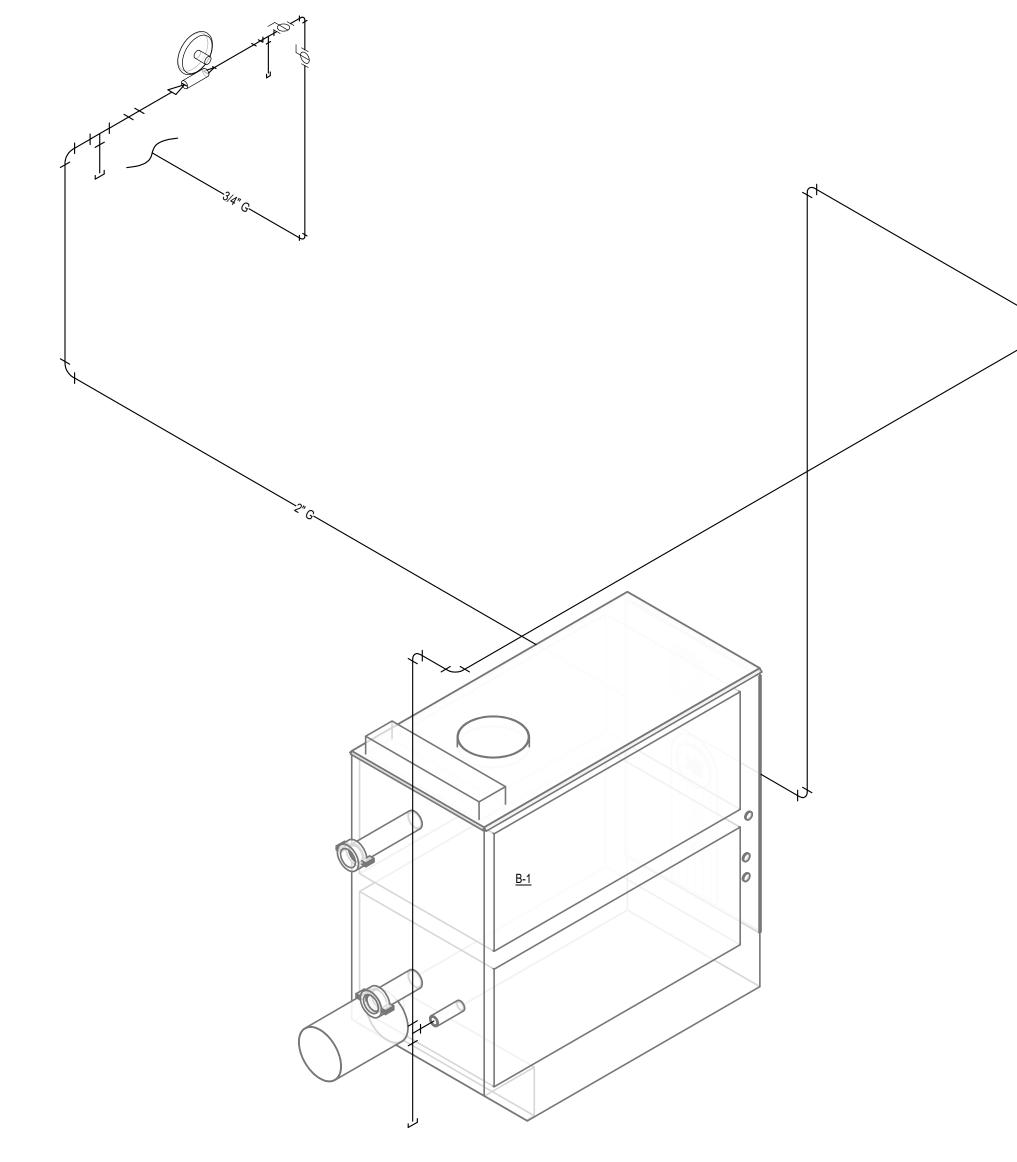
JLT

REV NO



ARCHITECTURE PLANNING INTERIORS GRAPHICS

ELLIOTT MARSHALL INNES P.A. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222 - 7442
www.emiarch.com
UCENSE #s AA C000409 IB C000153



AS	PIP	E S	CHE	DU	LE

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 SIZE (IN)
	1	NATURAL GAS	STEEL (SCH 40)	1,500	3 PSI		60	2	62	3/4
	1.1	NATURAL GAS	STEEL (SCH 40)	1,500	7 IN WC	Boiler	40	26	66	2
	NOTES:			,						

GAS PIPING SIZED USING LONGEST LENGTH METHOD FROM POINT OF DELIVERY TO EITHER REGULATOR OR APPLIANCE.

SEE FLORIDA BUILDING CODE - FUEL GAS TABLES: 402.4(6), 402.4(2)

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



### **WCSD EDUCATIONAL ANCILLARY FACILITIES -**DISTRICT OFFICE

RECEIVED
ALLSTATE CONSTRUCTION
01-16-2025

REV	DATE	DESCRIPTION						
PROJEC	T PHASE							
CONSTRUCTION DOCUMENTS								

DRAWN BY 15 JANUARY 2025 JDR CHECKED BY PROJECT NO JLT SHEET TITLE

RISER - GAS SUPPLY

REV NO P300

## PLUMBING FIXTURE SCHEDULE

FIXTURE	FIXTURE DESCRIPTION	A.D.A.	MOUNTING	HEIGHT (A.F.F.)	001 =		N PIPE SIZES		MANUFACTURER AND MODEL NUMBER	ACCESSORIE
ESIGNATION	FIXTURE DESCRIPTION	COMPLIANT	METHOD	HEIGHT (A.F.F.)	COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN	WANDFACTURER AND WODEL NOWBER	(SEE SCHEDU
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-1.28-MAN
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-1.28-MAN
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-MAN
UR-2	FLUSH VALVE URINAL, ULTRA HIGH EFFICIENCY (0.125 - 1.0 GPF), VITREOUS CHINA, WASHOUT FLUSHING ACTION, 3/4" TOP SPUD. COLOR: WHITE.	NO	WALL	RIM: 24"	3/4"	N/A	2"	2"	AMERICAN STANDARD: 6590.001 OR APPROVED EQUAL	FV-0.125-MAN
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-MTR DR-LV-C TR-LV
LV-2	LAVATORY, 19"x15"x7.5" VITREOUS CHINA, UNDER COUNTER WITH GLAZED UNDERSIDE. COLOR: WHITE.	NO	UNDER COUNTER	RIM: 31"	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0497300.020 OR APPROVED EQUAL	FCT-LV-0.5-MTR 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-MAN-0 DR-LV-C TR-LV
SH-9	36"x36" ONE-PIECE, MOLDED REINFORCED FIBERGLASS CONSTRUCTION, SOLID SURFACE FINISH, SHOWER BASE WITH ANTI-SKID FLOOR TREATMENT, RECESSED RECEIVER FLANGES, 1" THRESHOLD. COLOR: WHITE.	YES	FLOOR	VALVE: 38" TO 48" (OPTIONAL)	1/2"	1/2"	2"	2"	COMFORT DESIGNS: SSB 3838BF OR APPROVED EQUAL	SH-TMV-FCT-HNI FD-SH
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 DR-SK-STD TR-SK-STD
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 DR-SK-STD TR-SK-STD
LHB	LAUNDRY HOOK-UP BOX, 20 GAUGE STEEL, WHITE POWDER-COATED, ALL WELDED WATER TIGHT CONSTRUCTION, TOP MOUNT HOT AND COLD WATER SUPPLY VALVES WITH 5/8" COPPER SWEAT INLETS AND 3/4" COMPRESSION OUTLETS, 2" DRAIN AND WATER HAMMER ARRESTERS.	N/A	WALL RECESSED		1/2"	1/2"	2"	2"	GUY GRAY: T200TPPVCCHA OR APPROVED EQUAL	
SK-16	SINGLE COMPARTMENT LAUNDRY SINK, 23"x22", 20-1/4"x 17-1/4" X 13" DEEP BOWL, PLASTIC, 2 FAUCET HOLES 4" OFF CENTER, BAKED ENAMEL ANGLE LEGS.	NO	FLOOR	RIM: 33-1/2"	1/2"	1/2"	1-1/2"	2"	FIAT: FL-1 OR APPROVED EQUAL	FCT-SK-2.0-LAB DR-SK-STD TR-SK-STD
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
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"	1/2"	N/A	1-1/4"	2"	ELKAY: LZSTLG8WSSK / LKAPREZL 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, INLET ELBOW, WALL CLAMP, POLISHED BRONZE FACE AND OPERATING KEY.	N/A	EXPOSED		3/4"	N/A	N/A	N/A	ZURN; Z1310-PB-WC-34UN OR APPROVED EQUAL	
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	

- 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.
- 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.

			BP - 1
	CAPACITY	GPM	
	MINIMUM SUCTION PRESSURE	PSIG	
	DISCHARGE PRESSURE	PSIG	
	MAXIMUM BOOSTER SYSTEM LOSS	PSI	5
	SURPLUS PRESSURE	PSI	5
	ELECTRICAL CHARACTERISTICS	V / PH	
	MCA / MOCP	AMPS - AMPS	-
	MANUFACTURER		VC SYSTEMS
	MODEL		PMC
PUMPS	'		
	QUANTITY		
	CAPACITY SPLIT	LEAD / LAG	
	PUMP DIFFERENTIAL PRESSURE	FT	25
	EFFICIENCY	%	70
	SHUT-OFF PRESSURE	FT	
	SPEED	RPM	
	MOTOR HORSEPOWER	HP	
	IMPELLER DIAMATER	IN.	
	VFD		YES
	PUMP SEAL		CERAMIC
	MANUFACTURER		VC SYSTEMS
	MODEL		
HYDRO-PNEU	MATIC TANK		
	DESIGNATION		T-1
	VOLUME	GAL	
	MANUFACTURER		WESSELS

DETAIL REFERENCE



ARCHITECTURE PLANNING INTERIORS GRAPHICS

ELLIOTT MARSHALL INNES P.A. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(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.



### **WCSD EDUCATIONAL ANCILLARY FACILITIES -**DISTRICT OFFICE

RECEIVED ALLSTATE CONSTRUCTION 01-16-2025

REV	DATE	DESCRIPTION
PROJEC	T PHASE	
CONST	RUCTION D	OCUMENTS

DRAWN BY 15 JANUARY 2025 PROJECT NO CHECKED BY SHEET TITLE

SCHEDULES

### 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
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-MAN-C	SINGLE CONTROL DECK MOUNTED FAUCET, A.D.A. COMPLIANT, 4" CENTERSET, POLISHED CHROME PLATED BRASS, 0.5 GPM AERATOR SPRAY HEAD, 4" COVER PLATE.	T&S BRASS: B-2711 OR APPROVED EQUAL
FCT-LV-0.5-MTR	SINGLE INLET METERING FAUCET, POLISHED CHROME PLATED BRASS, SLOW CLOSING, VANDAL RESISTANT HANDLE, ADJUSTABLE TIME CYCLE PRESET TO 10 SECONDS, 0.5 GPM, VANDAL RESISTANT PRESSURE COMPENSATING AERATOR WHICH REDUCES FLOW TO 0.25 GPM.	MOEN: 8884 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	SINGLE LEVER DECK MOUNTED FAUCET, POLISHED CHROME PLATED BRASS, 9" SWING SPOUT, 1.5 GPM AT 80 PSI AERATOR, SOFT-CLOSING VALVE WITH INTEGRAL FLOW CONTROL AND ADJUSTABLE STOP TO RESTRICT EXTREME TEMPERATURES.	T&S BRASS: B-2731 OR APPROVED EQUAL
FCT-SK-2.0-LAB	LAUNDRY SINK FAUCET, CHROME PLATED BRASS, 12" SWING SPOUT, 4" CENTERS, 2.0 GPM AERATOR, CHROME PLATED LEVER HANDLES.	T&S BRASS: B-1113 OR APPROVED EQUAL
FD-SH	FLOOR DRAIN FOR SHOWER, 2" OUTLET	0
FV-0.125-MAN	EXPOSED MANUAL, PISTON TYPE, URINAL FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 1" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6045.013.002 OR APPROVED EQUAL
FV-1.28-MAN	EXPOSED MANUAL, PISTON TYPE, WATER CLOSET FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 1.28 GPF, 1" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6047.121.002 OR APPROVED EQUAL
FV-1.6-MAN-FFS	EXPOSED MANUAL FLUSHING RIM FLOOR DRAIN FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 1.6 GPF, 1" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	ZURN: Z6099AV-WS1 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
SH-TMV-FCT-HND	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 1.5 GPM @ 80 PSI FLOW CONTROL, ADJUSTABLE PATTERN, ARM AND WALL FLANGE. HAND HELD SHOWER WITH 60" FLEXIBLE METAL HOSE. 24" MOUNTING SLIDE BAR WALL CONNECTION. ALL EXPOSED METALLIC TRIM IS POLISHED CHROME PLATED NICKEL.	JUST: JBSV-4623 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

### WATER HAMMER ARRESTERS

# 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.

MAIN OR RISER

POINT OF RELIEF

SELECTION METHOD:
USING TABLE 1, SIZE UNIT "X" FOR THE TOTAL FIXTURE UNITS OF BRANCH

ELINE.

RULE 2 - MULTIPLE FIXTURES EXCEEDING 20 FT.

POINT OF RELIEF
OVER 20 FT.

TYPICAL BRANCH LINE
RISER

Y

X

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.

COMBINATION OF RULE 1 AND RULE 2

MAIN OR RISER

UP TO 20 FT.

OVER 20 FT.

POINT OF RELIEF
BRANCH 2 

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

AND "Z" BASED ON RULE 2.

### LONG RUNS

TABLE 2 - W	TABLE 2 - WATER PRESSURES UP TO 65 P.S.I.G.						TABLE 2A - WA	TER PR	ESSUR	ES 65 F	P.S.I.G. 1	TO 85 P.	S.I.G.
	P.D.I. WATER HAMMER ARRESTERS							P.D.I.	WATE	R HAN	MER A	RRES	TERS
LENGTH		NOMIN	IAL PIF	PE DIAI	METER		LENGTH		NOMIN	AL PIF	PE DIAN	<b>METER</b>	
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

SELECTION METHOD: USING EITHER TABLE 2 OR 2A (BASED ON SYSTEM PRESSURE), SIZE UNIT "X" BASED ON SIZE OF PIPE AND LENGTH OF RUN.

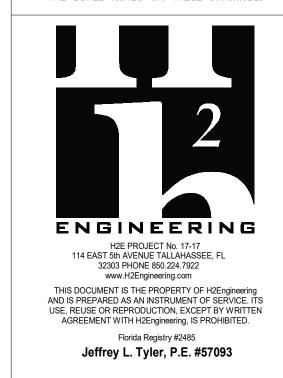
OUTLET

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

ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL INNES P.A. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(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.



### WCSD EDUCATIONAL ANCILLARY FACILITIES -DISTRICT OFFICE

RECEIVED
ALLSTATE CONSTRUCTION
01-16-2025

PROJEC	T PHASE		
CONSTI	RUCTION D	OCUMENT	S
DATE			DRAWN BY
15 JANU	JARY 2025		JDR
DPO IEC	TNO		CHECKED BY

SCHEDULES

JLT

68100

SHEET TITLE

P402

1/15/2025 3:31:43 PM

### ROOF DRAINAGE SCHEDULE PRIMARY DRAIN SECONDARY DRAIN COMBINED HORIZONTAL VERTICAL WALL TOTAL ROOF DRAIN CAPACITY ZONE NO. FLOW FROM AREA AREA AREA (GPM) (SF) ZONE(S) (SF) (SF) VERTICAL DRAIN HORIZONTAL DRAIN VERTICAL DRAIN HORIZONTAL DRAIN SLOPE SLOPE (INCH / FT) (INCH) (INCH) (INCH / FT) (INCH) (INCH) 1 4,125 160 4,205 218 5 1/8 1/8 2 4,125 104 4,177 216 5 1/8 6 1/8 3 4,125 250 4,250 220 5 1/8 5 6 1/8 4,125 135 4,193 217 1/8 1/8 5 1,810 287 1,954 101 4 1/8 1/8 1,600 210 1,705 1/8 6 4 1/8 4 4 7 3,695 405 3,898 202 5 1/8 6 1/8 2,525 8 1,406 3,228 167 1/16 1/16 4 6 9 2,610 745 2,983 4 1/16 1/16 620 10 1,126 1,183 1/16 1/16 11 275 125 338 1/16 1/16 NOTES:

			SUPPLY							
IXTURE TYPE	E	QUANTITY			COLD		НОТ		TOTAL	
			UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL
	DRINKING FOUNTAIN	3	0.5	1.5	0.25	0.75			0.25	0.75
	LAVATORY (COLD WATER)	21	1	21	2	42			2	42
	LAVATORY (HOT WATER)	1	1	1	1.5	1.5	1.5	1.5	2	2
	SINK	13	2	26	2	26	2	26	3	39
	MOP SERVICE BASIN	2	2	4	2.25	4.5	2.25	4.5	3	6
	URINAL (3/4" VALVE)	6	4	24	5	30			5	30
	WATER CLOSET (FLUSH VALVE)	20	6	120	10	200			10	200
	HOSE BIBB / WALL HYDRANT	10			4	40			4	40
	REFRIGERATOR / ICE MAKER	1			1	1			1	1
	SHOWER (PER HEAD)	1	2	2	2	2	2	2	2	2
	PREP SINK	1	4	4	2.5	2.5	2.5	2.5	3	3
	WASHING MACHINE (15 LB)	1	15	15	10	10	10	10	15	15
OTAL FIXTUR	RE UNITS	·		218.5		360.25		46.5		380.75
OMESTIC WA	ATER DEMAND (GPM)					119.4		11.7		123.3

RAIN FALL RATE = 5.0 INCH / HR

TOTAL ROOF AREA INCLUDES HORIZONTAL AREA AND 50% OF VERTICAL WALL AREA. ZONES MARKED WITH ASTERISK (\*) HAVE COMBINED FLOWS FROM HIGH ROOF.

DESIGNATION			WH-1,2	WH-3
	STORAGE	GAL	40	20
	HEATING ELEMENT INPUT (EACH)	kW	4.5	3.0
	NUMBER OF ELEMENTS	#	2	1
	SIMULTANEOUS OPERATION OF ELEMENTS		YES	NO
	TOTAL HEATING INPUT	kW	9.0	3.0
	ENTERING WATER TEMPERATURE	°F	60	60
	LEAVING WATER TEMPERATURE	°F	140	140
	TEMPERATURE RISE	°F	80	80
	RECOVERY RATE	GPH	46	15
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	208 / 1
MANUFACTURE	R	1	A.O. SMITH	A.O. SMITH
MODEL NUMBER	₹		DEN-40	DEL-20
DETAIL REFERE	INCE		B/P502	A/P502

DESIGNATION			C-1, 2, 3
	SERVICE		DHW
	CAPACITY	GPM	4
	TOTAL DYNAMIC HEAD	FT.	27
	SHUT-OFF HEAD	FT.	35
	PUMP SEAL		MECHANICAL
	MOTOR SPEED	RPM	3,250
	MOTOR HORSEPOWER	HP	1/8
	MOTOR WINDING		FULL
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1
	NOTES		1
MANUFACTURE	ER .	'	TACO
MODEL NUMBE	ER		009-SF5
DETAIL REFER	ENCE		
<u>NOTES:</u> 1	PROVIDE TACO 00 TIMER/AQUASTAT WITH 7 DAY DIGITAL PROGRA OPERATION DURING OCCUPIED HOURS AND AQUASTAT TO CYCLE		R ALLOWABLE

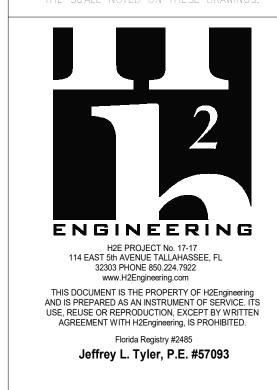
DESIGNAT	ION		SP - 1			
	CAPACITY	GPM	50			
	TOTAL HEAD	FT.	15			
	MOTOR HORSEPOWER	HP	1/2			
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1			
MANUFAC	MANUFACTURER					
MODEL						
DETAIL REFERENCE						



ARCHITECTURE
PLANNING INTERIORS
GRAPHICS

ELLIOTT MARSHALL INNES P.A. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(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.



### WCSD EDUCATIONAL ANCILLARY FACILITIES -DISTRICT OFFICE

RECEIVED
ALLSTATE CONSTRUCTION
01-16-2025

REV	DATE	DESCRIPTION
PROJEC	T PHASE	

PROJECT PHASE

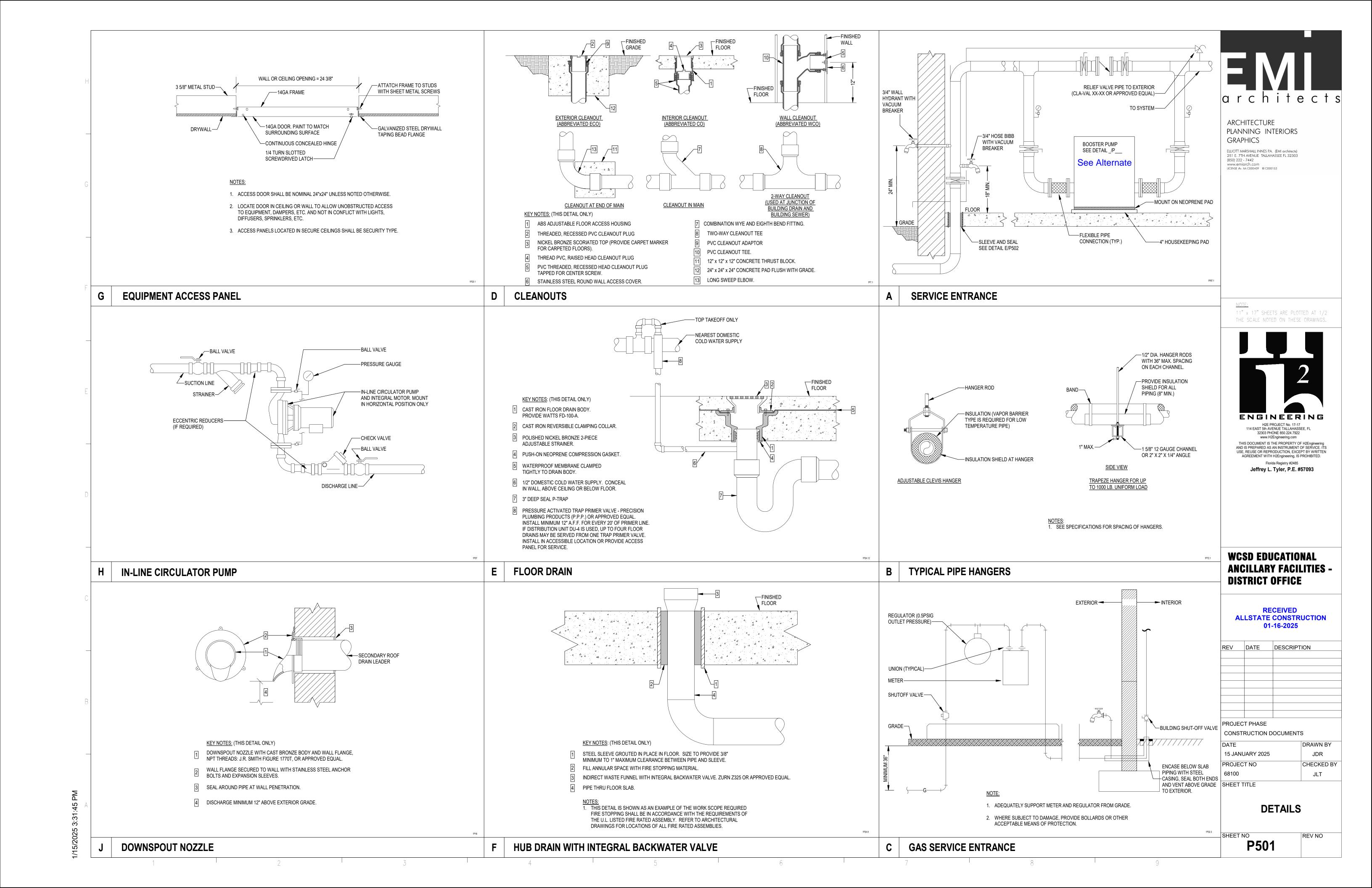
SHEET TITLE

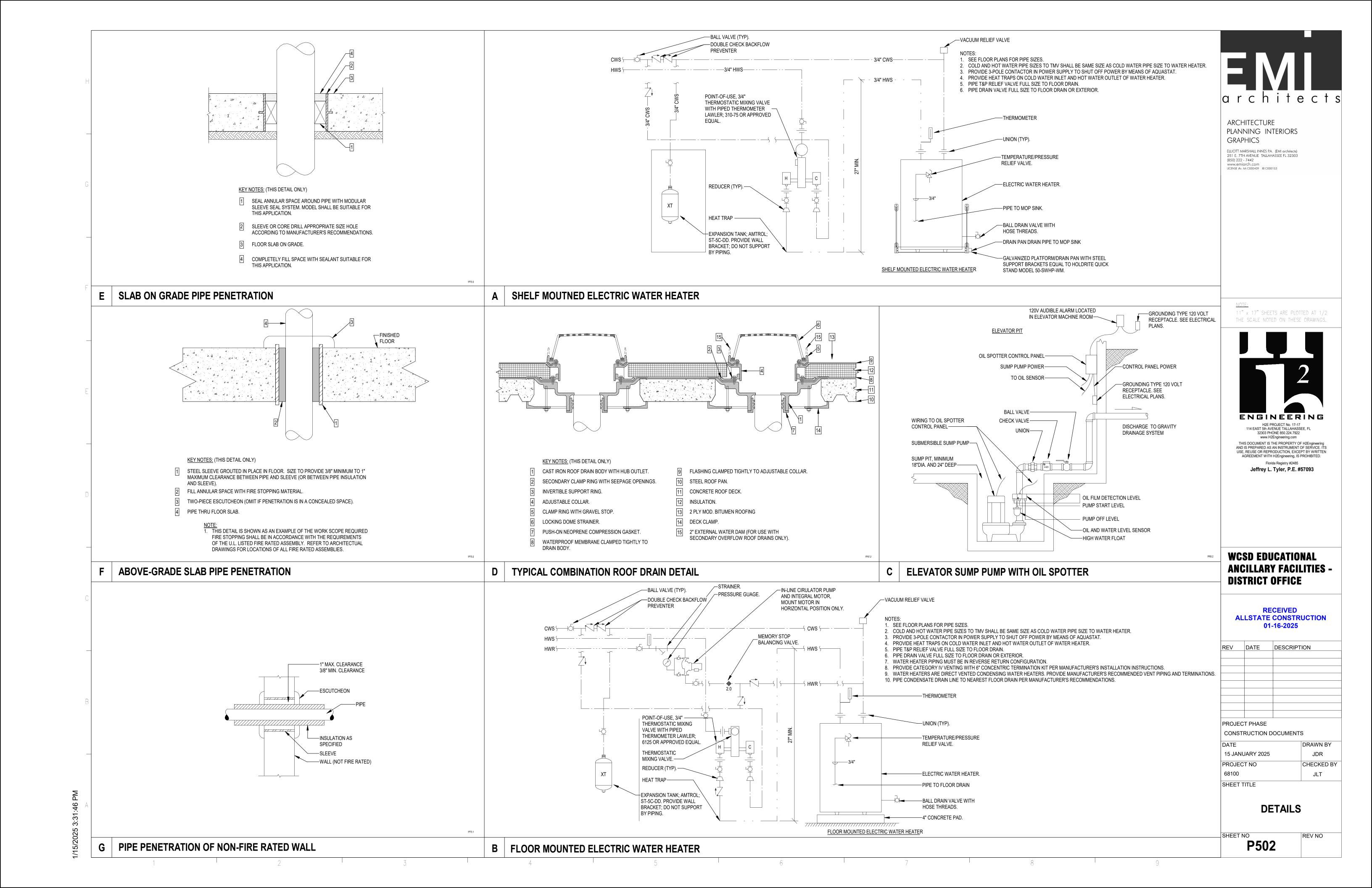
CONSTRUCTION DOCUMENTS

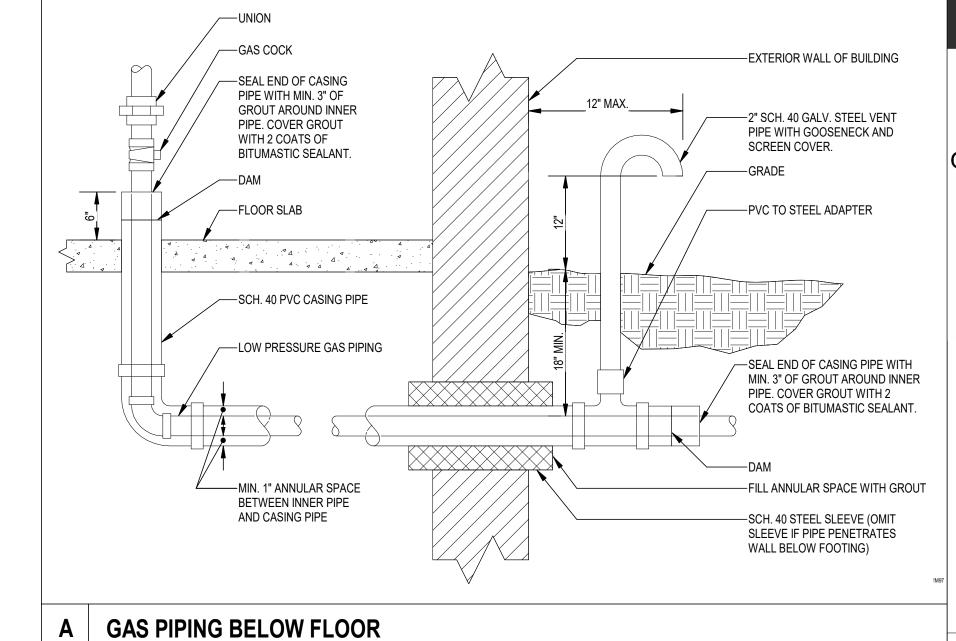
DATE DRAWN BY
15 JANUARY 2025 JDR

PROJECT NO CHECKED BY
68100 JLT

**SCHEDULES** 





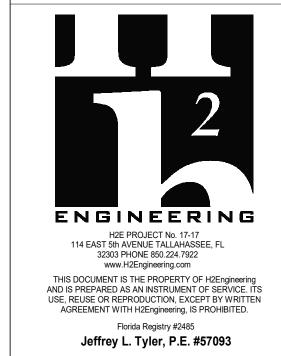




ARCHITECTURE PLANNING INTERIORS

**GRAPHICS** ELLIOTT MARSHALL INNES P.A. (EMI architects)
251 E. 7TH AVENUE TALLAHASSEE FL 32303
(850) 222 - 7442
www.emiarch.com
ucense #s Aa C000409 IB C000153

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



### **WCSD EDUCATIONAL ANCILLARY FACILITIES -**DISTRICT OFFICE

RECEIVED ALLSTATE CONSTRUCTION 01-16-2025

REV	DATE	DESCRIPT	ION	
PROJEC	OJECT PHASE			
CONSTRUCTION DOCUMENTS			S	
DATE			DRAWN BY	
4= 14511	=			

15 JANUARY 2025 JDR CHECKED BY PROJECT NO JLT

**DETAILS** 

SHEET TITLE

REV NO P503