

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE I

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
KURE BEACH, NC 28449

NORTH CAROLINA DEPT. OF
NATURAL & CULTURAL RESOURCES

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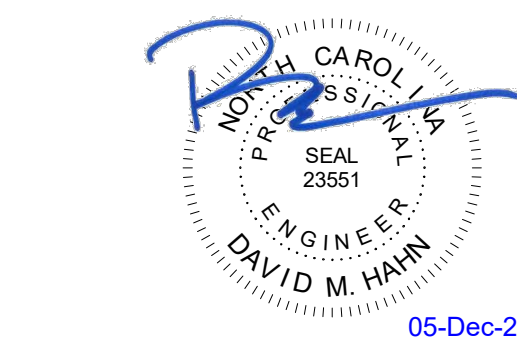
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NOTE: IF THIS DRAWING IS NOT 30" X 42" IT IS A
REDUCED SCALE. REFER TO DRAWING SCALE.



05-Dec-25

NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

PLUMBING NOTES,
ABBREVIATIONS,
SCHEDULES

PLUMBING GENERAL NOTES:

- SCOPE OF WORK: THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS DESCRIBE SCOPE OF WORK REQUIRED FOR PLUMBING SYSTEMS. LABOR AND MATERIAL SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE, WORKMANLIKE INSTALLATION OF ALL SYSTEMS SHOWN ON DIAGRAMMATIC DRAWINGS AND/OR AS SPECIFIED HEREIN.
- CONTRACTOR: THE WORD "CONTRACTOR", "PLUMBING CONTRACTOR", AND "P.C." AS USED HEREIN SHALL MEAN THE PLUMBING INSTALLER UNLESS OTHERWISE QUALIFIED.
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INSTALLATION. HOWEVER, CONTRACTOR IS RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIES TO OBTAIN FULLY FUNCTIONING PLUMBING SYSTEMS.
- CODE COMPLIANCE: COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING STANDARDS AND CODES, INsofar AS THEY APPLY:

NORTH CAROLINA STATE BUILDING CODE (CODE), LATEST EDITION AND REVISIONS.

LOCAL JURISDICTION REQUIREMENTS.
- PERMITS AND INSPECTIONS: OBTAIN ALL PERMITS, LICENSES, INSPECTIONS, ETC., REQUIRED FOR THE WORK AND PAY FOR SAME. FURNISH A FINAL CERTIFICATE OF INSPECTION AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTANCE OF THE WORK.
- SUPERVISION: PROVIDE SKILLED SUPERINTENDENTS TO SUPERVISE THE WORK FROM THE BEGINNING TO COMPLETION AND FINAL INSPECTION.
- PROGRESS OF WORK: PERFORM WORK IN ACCORDANCE WITH SCHEDULE AND REQUIREMENTS OF THE GENERAL CONTRACTOR. UNDER NO CIRCUMSTANCES SHALL THIS CONTRACTOR DELAY THE OVERALL PROJECT SCHEDULE.
- COORDINATION: COORDINATE PLUMBING WORK WITH THE WORK OF OTHER TRADES. LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. ARRANGE PLUMBING SO AS NOT TO INTERFERE WITH THE WORK OF OTHER TRADES. VERIFY ACTUAL BUILDING STRUCTURE PRIOR TO DUCT FABRICATION AND ADJUST LAYOUT AS REQUIRED. INCLUDE ALL OFFSETS IN DUCTS, FITTINGS, PIPING, ETC. AS REQUIRED TO PROPERLY INSTALL EQUIPMENT.
- EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRANGEMENT AND TO FACILITATE PROPER MAINTENANCE AND SERVICING OF EQUIPMENT.
- LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING AGENCY WHERE REQUIRED.
- STORAGE SPACE: CONSULT WITH THE GENERAL CONTRACTOR REGARDING JOB SITE STORAGE FOR PLUMBING MATERIALS TO BE INSTALLED UNDER THIS PROJECT. STORAGE SPACE MUST BE SECURED AND CONTRACTOR'S REPRESENTATIVE MUST BE ON JOB BEFORE ANY MATERIAL MAY BE RECEIVED.
- CLEANUP: REMOVE ALL DEBRIS GENERATED IN THE ACCOMPLISHMENT OF WORK UNDER THIS PROJECT. CLEAN, REPLACE OR REPAIR ALL SURFACES SOILED OR DAMAGED DURING THE COURSE OF THE WORK. REMOVE DEBRIS DAILY SO TO MAINTAIN SAFE WORKING CONDITIONS.
- RECORD DRAWINGS: MAINTAIN ONE SET OF "RED-LINED" RECORD DRAWINGS ON SITE AT ALL TIMES AND PROVIDE DRAWINGS TO ARCHITECT/ENGINEER PRIOR TO FINAL INSPECTION.
- EXISTING BUILDINGS AND CONSTRUCTION:
 - WORK UNDER THIS CONTRACT IS TO BE PERFORMED IN AN EXISTING BUILDING. BUILDING LAYOUT INDICATED IS DEVELOPED FROM EXISTING RECORD DOCUMENTS AND LIMITED FIELD VERIFICATION FOR THE PURPOSES OF DESCRIBING THE WORK. VERIFY ALL EXISTING CONDITIONS AND ADJUST WORK AS REQUIRED TO SUIT ACTUAL FIELD CONDITIONS.
 - PERFORM ALL WORK IN ACCORDANCE WITH SAFETY REGULATIONS.
 - DO NOT CUT ANY STRUCTURAL MEMBERS WITHOUT EXPRESS WRITTEN INSTRUCTIONS FROM ARCHITECT/ENGINEER. PROVIDE CUTTING AND PATCHING FOR EXISTING FINISHES AS REQUIRED.
 - COORDINATE INSTALLATION OF NEW PLUMBING SYSTEMS WITH EXISTING BUILDING SYSTEMS. ADJUST ARRANGEMENTS AS REQUIRED TO ACCOMMODATE INTERFERENCES.

PLUMBING DEMOLITION NOTES:

- THE PLUMBING CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR DEMOLITION REQUIREMENTS AND LAYOUT HIS WORK IN A COMPATIBLE AND COMPLEMENTARY MANNER. REMOVE ALL FIXTURES, EQUIPMENT, PIPING, SUPPORTS, ACCESSORIES, ETC. MADE OBSOLETE BY THESE ALTERATIONS AS SHOWN IN THE PLUMBING DRAWINGS. ALL ITEMS TO BE REMOVED OR MODIFIED MAY NOT BE SHOWN, HOWEVER, THIS CONTRACTOR SHALL REMOVE ANY PLUMBING WORK AS REQUIRED BY THE CONSTRUCTION OR AS DIRECTED BY THE OWNER OR THE ENGINEER. SURVEY THE AFFECTED AREAS BEFORE SUBMITTING A BID.
- ALL EXISTING PLUMBING FIXTURES, EQUIPMENT AND PIPING SHALL REMAIN UNLESS SPECIFICALLY NOTED TO BE REMOVED.
- THESE DRAWINGS ARE COMPLIED BY THE ARCHITECT/ENGINEER FROM THE OWNERS AS-BUILT RECORD DRAWINGS AND LIMITED FIELD VERIFICATION OF EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORRECT. NOTWITHSTANDING, THE PLUMBING CONTRACTOR SHALL VERIFY ALL PIPING, FIXTURE LOCATIONS, DIMENSIONS, MATERIALS AND ALL FIELD CONDITIONS AFFECTING HIS WORK.
- WHERE PLUMBING SYSTEMS PASS THROUGH THE DEMOLITION AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, THEY SHALL REMAIN OR BE SUITABLY RELOCATED AND THE SYSTEM RESTORED TO NORMAL OPERATION. ADVISE THE ARCHITECT/ENGINEER IMMEDIATELY IF SUCH CONDITIONS ARE UNCOVERED BEFORE PROCEEDING WITH ADDITIONAL WORK.
- PROTECT ALL EXISTING LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAIN THEM IN OPERATION THROUGHOUT THE PROGRESS OF THE WORK. NOTIFY THE OWNER AND ARCHITECT/ENGINEER IN WRITING WHEN SHUTDOWNS ARE REQUIRED PRIOR TO ANY OUTAGE OF SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO MAINTAIN SERVICE.
- SURVEY THE EFFECTED AREAS BEFORE SUBMITTING A BID AS ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DEPICTED ON THE DRAWINGS AND SOME UNUSUAL CONDITIONS MAY EXIST.

PLUMBING FIXTURE SCHEDULE

DRAWING/FIXTURE CODE			DESCRIPTION	MANUFACTURER	MODEL	ALTERNATE APPROVED MANUFACTURERS	NOTES	PIPE SIZE	DCW	DHW	WASTE	VENT
WC1	FLUSH VALVE WATER CLOSET, WALL HUNG, 1.28GPF, ADA	BOWL	ELONGATED, SIPHON JET, V.C., 2-1/8" TRAPWAY; TOP SPUD; WALL, MOUNT 17-19"A.F.F.	KOHLER	K-84325-L	ZURN, AMERICAN STANDARD						
		FLUSH VALVE SEAT	BATTERY POWERED SENSOR, 1.28 GPF, POLISHED CHROME, DIAPHRAM, TOP SPUD, LESS HANDLE, COURTESY FLUSH OVERRIDE BUTTON	SLOAN	G21111-1.28	KOHLER, ZURN						
		CARRIER	OFLC w/ SELF-SUSTAINING S.S. CHECK HINGE; HEIGHT 17-19" AFF	CHURCH	2955SCT	BEMIS, OLSONITE	6,7	1"	-	4"	2"	
WC2	FLUSH VALVE WATER CLOSET, WALL HUNG, 1.28GPF	BOWL	ELONGATED, SIPHON JET, V.C., 2-1/8" TRAPWAY; TOP SPUD; WALL, MOUNT 17-19"A.F.F.	KOHLER	K-84325-L	ZURN, AMERICAN STANDARD						
		FLUSH VALVE SEAT	BATTERY POWERED SENSOR, 1.28 GPF, POLISHED CHROME, DIAPHRAM, TOP SPUD, LESS HANDLE, COURTESY FLUSH OVERRIDE BUTTON	SLOAN	G21111-1.28	KOHLER, ZURN						
		CARRIER	OFLC w/ SELF-SUSTAINING S.S. CHECK HINGE	CHURCH	2955SCT	BEMIS, OLSONITE	7	1"	-	4"	2"	
WC3	FLUSH VALVE WATER CLOSET, WALL HUNG, 1.28GPF, ADA (AMBULATORY)	BOWL	ELONGATED, SIPHON JET, V.C., 2-1/8" TRAPWAY; TOP SPUD; WALL, MOUNT 17-19"A.F.F.	KOHLER	K-84325-L	ZURN, AMERICAN STANDARD						
		FLUSH VALVE SEAT	BATTERY POWERED SENSOR, 1.28 GPF, POLISHED CHROME, DIAPHRAM, TOP SPUD, LESS HANDLE, COURTESY FLUSH OVERRIDE BUTTON	SLOAN	G21111-1.28	KOHLER, ZURN						
		CARRIER	OFLC w/ SELF-SUSTAINING S.S. CHECK HINGE; HEIGHT 17-19" AFF	CHURCH	2955SCT	BEMIS, OLSONITE	6,7	1"	-	4"	2"	
WC4	FLUSH VALVE WATER CLOSET, FLOOR MTD., 1.6GPF, ADA	BOWL	16.5" HIGH BOWL, ELONGATED, V.C., 2-1/8" TRAPWAY; TOP SPUD; MADERA	AMERICAN STANDARD	3043.001	ZURN, KOHLER						
		FLUSH VALVE SEAT	BATTERY POWERED SENSOR, 1.28 GPF, POLISHED CHROME, DIAPHRAM, TOP SPUD, LESS HANDLE, COURTESY FLUSH OVERRIDE BUTTON	SLOAN	G21111-1.28	KOHLER, ZURN						
		CARRIER	OFLC w/ SELF-SUSTAINING S.S. CHECK HINGE; HEIGHT 17-19" AFF	CHURCH	2955SCT	BEMIS, OLSONITE	6	1"	-	4"	2"	
UR1	HANDS FREE URINAL WALL HUNG, 0.125GPF, ADA	BOWL	HIGH EFFICIENCY, WASHOUT, TOP SPUD, ANTIMICROBIAL	KOHLER	K-4991-ETSS-0	ZURN, AMERICAN STANDARD						
UR2	HANDS FREE URINAL, WALL HUNG, 0.125GPF	FLUSH VALVE	0.125 GPF, POLISHED CHROME, TOP SPUD, SINGLE FLUSH, LITHIUM BATTERIES INCLUDED, COURTESY FLUSH OVERRIDE BUTTON	KOHLER	K-1186-0.125	KOHLER, ZURN	1	3/4"	-	2"	2"	
LAV1	UNDERMOUNT LAVATORY, 0.5GPM, ADA	BOWL	20x16 VITREOUS CHINA, RIM 3/4" AFF MAX	KOHLER	K-20000	AMERICAN STANDARD						
		FAUCET	ONE PIECE, CAST BRASS, DECK MOUNT, BATTERY POWERED SENSOR, CHROME PLATED	MOEN	8559	ZURN, DELTA	1,2,3,9	1/2"	1/2"	2"	2"	
		DRAIN	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%KDF INSTALL ON HOT WATER SUPPLY, ASSE 1070	MCGUIRE	HG-135	LEONARD, WATTS						
LAV2	UNDERMOUNT LAVATORY, 0.5GPM, ADA STAFF	BOWL	20x16 VITREOUS CHINA, RIM 3/4" AFF MAX	KOHLER	K-4991-ETSS-0	ZURN, AMERICAN STANDARD						
		FAUCET	4" CENTERSET, SINGLE LEVER HANDLE, SOLID BRASS CONSTRUCTION, CERAMIC CARTRIDGE, HIGH TEMP LIMIT STOP	MOEN	8413F05	ZURN, DELTA	1,2,3,9	1/2"	1/2"	2"	2"	
		DRAIN	CAST BRASS, CHROME PLATED, OPEN GRID STRAINER P.O. PLUG WITH BRASS TAILPIECE	MCGUIRE	HG-135	LEONARD, WATTS						
SK1	ONE COMPARTMENT STAINLESS SINK	MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%KDF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS						
		FAUCET	20"x20", 12" DEEP, 8" HIGH SPLASH, STAINLESS OPEN FRAME BASE, SIDE CROSSRAILS, 18 GAUGE, TYPE 304 STAINLESS	ADVANCE TABCO	K-6	EAGLE, JOHN BOOS	1,2,9	1/2"	1/2"	2"	2"	
		DRAIN	60"x36" JOB-BUILT BY G.C. W/ GRAB BARS PER ADA	ADVANCE TABCO	K-161-LU	ZURN, CRANE						
SK2	ONE COMPARTMENT STAINLESS SINK	MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%KDF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS						
		FAUCET	16"x20", 12" DEEP, 8" HIGH SPLASH, STAINLESS OPEN FRAME BASE, SIDE CROSSRAILS, 18 GAUGE, TYPE 304 STAINLESS	ADVANCE TABCO	K-6	EAGLE, JOHN BOOS	1,2,9	1/2"	1/2"	2"	2"	
		DRAIN	CAST BRASS, CHROME PLATED BASKET STRAINER WITH BRASS TAILPIECE	ADVANCE TABCO	K-161-LU	ZURN, DELTA	1,2,9	1/2"	1/2"	2"	2"	
SK3	TWO COMPARTMENT STAINLESS SINK	MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%KDF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS						
		FAUCET	16"x20", 12" DEEP, 8" HIGH SPLASH, STAINLESS OPEN FRAME BASE, SIDE CROSSRAILS, 18 GAUGE, TYPE 304 STAINLESS	ADVANCE TABCO	K-6	EAGLE, JOHN BOOS	1,2,9	1/2"	1/2"	2"	2"	
		DRAIN	CAST BRASS, CHROME PLATED BASKET STRAINER WITH BRASS TAILPIECE	ADVANCE TABCO	K-6	DEARBORN, DELTA	1,2,3,9	1/2"	1/2"	2"	2"	
SK4	UNDERMOUNT SINK, 1.0GPM, ADA STAFF	BOWL	20x16 VITREOUS CHINA, RIM 3/4" AFF MAX	KOHLER	K-20000	AMERICAN STANDARD						
		FAUCET	4" CENTERSET, SINGLE LEVER HANDLE, SOLID BRASS CONSTRUCTION, CERAMIC CARTRIDGE, HIGH TEMP LIMIT STOP	MOEN	8413F05	ZURN, DELTA	1,2,3,9	1/2"	1/2"	2"	2"	
		DRAIN	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%KDF INSTALL ON HOT WATER SUPPLY, ASSE 1070	MCGUIRE	HG-135	LEONARD, WATTS						
SK5	UNDERMOUNT SINK, 1.0GPM, ADA STAFF	BOWL	30"x21" UNDERMOUNT STAINLESS STEEL	ELKAY	LZST18WSLK	ZURN, CRANE						
		FAUCET	4" CENTERSET, SINGLE LEVER HANDLE, SOLID BRASS CONSTRUCTION, CERAMIC CARTRIDGE, HIGH TEMP LIMIT STOP	MOEN	8413F05	ZURN, DELTA	1,2,3,9	1/2"	1/2"	2"	2"	
		DRAIN	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%KDF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS						
SK6	3-COMPARTMENT CORNER STAINLESS STEEL SINK	MIXING VALVE	LEAD FREE THERMOSTATIC MIXING VALVE - SETPOINT = 105%KDF INSTALL ON HOT WATER SUPPLY, ASSE 1070	CASH ACME	HG-135	LEONARD, WATTS						
		FAUCET	16GA, TYPE 304, 2 DRAINBOARDS	ADVANCE TABCO	94-K4-24D	ZURN, CRANE						
		DRAIN	60"x36" JOB-BUILT BY G.C. W/ GRAB BARS PER ADA	ADVANCE TABCO	K-161-LU	ZURN, DELTA	1,2,3,9	1/2"	1/2"	2"	2"	
SH1	JOB-BUILT ROLL IN SHOWER, ADA	ENCLOSURE	BRACKET, BRASS CHROME PLATED BODY, SPLASH MOUNT, WRISTBLADE HANDLES	ADVANCE TABCO	DTA-53	DEARBORN, DELTA						
		VALVE	CAST BRASS, CHROME PLATED BASKET STRAINER WITH BRASS TAILPIECE	ADVANCE TABCO	K-6	DEARBORN, DELTA						
		BASE	60"x36" JOB-BUILT BY G.C. W/ GRAB BARS PER ADA	ADVANCE TABCO	K-161-LU	ZURN, CRANE						
SH2	JOB-BUILT TRANSFER SHOWER, ADA	ENCLOSURE	PRESS. BALANCED MIXING VALVE, LEVER HANDLE, DIVERTER, HEAD W/ ARM, FLANGE, WALL/HAND SHOWER, FLEXIBLE METAL HOSE, IN-LINE VAC. BREAKER, 30/SLIDE BAR, 1.5GPM	MOEN	8342EP15	DELTA, SYMMONS	1/2"	1/2"	2"	2"		
		VALVE	60"x34 ROLL IN, ACRYLIC, CENTER DRAIN	AQUATIC	F6034DPAN							
		BASE	36"x36" TRANSFER SHOWER, JOB-BUILT BY G.C.	MOEN	8375EP15	DELTA, SYMMONS	1/2"	1/2"	2"	2"		
SH3	JOB-BUILT SHOWER	ENCLOSURE	36"x36" ACRYLIC, CENTER DRAIN	AQUATIC	SB3636	SMITH, ZURN						
		VALVE	60"x36" JOB-BUILT BY G.C.	MOEN	8375EP15	DELTA, SYMMONS	1/2"	1/2"	2"	2"		
		DRAIN COVER	PRESS. BALANCED MIXING VALVE, LEVER HANDLE, HEAD W/ ARM, FLANGE, 1.5GPM	KOHLER	K-9325-SH							
SS1	FLOOR MOUNT SERVICE SINK	DRAIN COVER	48" ALUMINUM	KOHLER	K-9325-SH							
		DRAIN	ROUND SHOWER DRAIN, POLISHED CHROME FINISH	KOHLER	K-9132-CP							
		SINK	23"x22"x12" MOLDED STONE w/ GRID DRAIN	FIAT	FL-1	SWANSTONE, MUSTEE	1/2"	1/2"	-	-		
MS1	MOP SINK	FAUCET	CHROME PLATED BRASS, 4" WRIST BLADE HANDLES, VANDAL RESISTANT, CERAMIC CARTRIDGE	MOEN	74998	DELTA, ZURN						
		BASIN	24"x24"x10" MOLDED STONE w/ STAINLESS STEEL DRAIN	FIAT	MSB-2424	FLORESTONE, ZURN						
		ENCLOSURE	BRASS CONSTRUCTION, ROUGH CHROME FINISH, INTEGRAL VACUUM BREAKER, INTEGRAL CHECK STOPS, 3/4"THREADED SPOUT, SERVICE STOPS, WALL MOUNT, VANDAL RESISTANT, LEVER HANDLES	MOEN	8124	DELTA, ZURN	1/2"	1/2"	3"	2"		
EW1	EYE/FACE WASH STATION COOLER, ADA	ACCESSORIES	STAINLESS STEEL, THREE STATION MOP/BROOM HOLDER	MOEN	8198							
		ACCESSORIES	STAINLESS STEEL, HOSE BRACKET WITH 30" HEAVY DUTY RUBBER HOSE, GHT THREADED CONNECTION	MOEN	8199							
		FIXT	PEDESTAL MOUNTED, STAINLESS STEEL, STAY-OPEN BALL VALVE, THERMOSTATIC MIXING VALVE	GUARDIAN	G1760	DELTA, ZURN	1/2"	1/2"	-	-		
FD1	FLOOR DRAIN	FIXT	SPLIT LEVEL, S.S. TOP, LIGHT GREY BODY, BOTTLE FILLING STATION, 8 GPH @ 50/80/90, 120V/1PH WITH FILTER	ELKAY	LZST18WSLK	HALEY TAYLOR, OASIS	1,11	1/2"	-	2"	2"	
		FIXT	ADJUSTABLE ABOVE-GRADE FLASHING DRAIN, NICKEL BRONZE STRAINER, 5-1/2" ROUND STRAINER	SIoux CHIEF	833	ZURN, SMITH	10	-	-	MATCH	-	
		FIXT	PVC BODY, 14"x14" PLASTIC TOP w/ 1/2 GRATE, BEEHIVE STRAINER	SIoux CHIEF	861	ZURN, SMITH	-	-	-	MATCH	-	
RD1	ROOF DRAIN	FIXT	80"x6-1/4" HDPE FRAME WITH HEEL-PROOF POLYETHYLENE GRATE - CLASS A	ZURN	2288-HPP	SIoux CHIEF, JOSAM	-	-	-	MATCH	-	
		FIXT	15" DIAMETER ROOF DRAIN, ENAMEL COATED CAST IRON BODY, GRAVEL GUARD AND DOME STRAINER, DECK CLAMP	SIoux CHIEF	868-15D4	ZURN, SMITH	-	-	-	MATCH	-	
		FIXT	15" DIAMETER ROOF DRAIN, ENAMEL COATED CAST IRON BODY, GRAVEL GUARD AND DOME STRAINER, DECK CLAMP, INTERNAL WATER DAM	SIoux CHIEF	868-15D4P	ZURN, SMITH	-	-	-	MATCH	-	
WH1	INTERIOR HOSE BIBB	FIXT	POLISHED CHROME, VACUUM BREAKER, WHEEL HANDLE, 3/4" HOSE THREAD	WOODFORD	24	ZURN, PRIER	1/2"	-	-	-	-	
		FIXT	CHROME PLATED BRASS, ANTI-SIPHON, VACUUM BREAKER, REMOVABLE TEE HANDLE, 3/4" HOSE THREAD	WOODFORD	C22	ZURN, PRIER	3/4"	-	-	-	-	
		FIXT	CHROME PLATED BRASS, ANTI-SIPHON, VACUUM BREAKER, HOT AND COLD, WHEEL HANDLE, 3/4" HOSE THREAD	WOODFORD	C24	ZURN, PRIER	3/4"	3/4"	-	-	-	
RH1	ROOF HYDRANT	FIXT	FREEZELESS, ANTI-SIPHON, VACUUM BREAKER, 3/4" HOSE THREAD	WOODFORD	SRH	ZURN, PRIER	8	1"	-	1/8"	-	
		1. FLOOR SUPPORT CARRIER WITH BEARING PLATE AND WALL HANGER.										
		2. PROVIDE BRASS 1-1/2" TAILPIECE, CAST BRASS SLIP JOINT P-TRAP WITH CLEANOUT; PROVIDE ADA OFFSET ARRANGEMENT WHERE REQUIRED.										
NOTES	3. PROVIDE ADA INSULATION KIT											
	4. COORDINATE WITH MILLWORK											
	5. COORDINATE ADA MILLWORK ENCLOSURE FOR WATER AND DRAIN PIPING UNDER SINK.											
	6. TRIP LEVER OR FLUSH HANDLE TO BE LOCATED ON OPPOSITE SIDE OF STALL, OR TOILET ROOM.											
	7. REFER TO PLANS TO DETERMINE HORIZONTAL OR VERTICAL CARRIER IS REQUIRED.											
	8. FIELD ROUTE 1" DRAIN PAN DRAIN PIPING TO CLOSEST INDIRECT DRAIN OR SPILL TO GRADE.											
	9. PROVIDE 1/2" IPS x 3/8" OD ANGLE BRASS STOP(S) WITH RIGID COPPER RISERS. ALL EXPOSED PIPING SHALL BE CHROME PLATED.											
	10. PROVIDE TRAP PRIMER											
	11. PROVIDE 1/2" IPS x 3/8" O.D. BRASS STOP CONCEALED BEHIND CABINET.											

NOTES THIS SHEET

1. SEE ENLARGED PLANS FOR DEMOLITION DETAILS.

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
KURE BEACH, NC 28449

NORTH CAROLINA DEPT. OF
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SZOSTAK DESIGN, INC.

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CHAPEL HILL, NORTH CAROLINA 27514
TEL: 919.929.5244
FAX: 919.960.7967
WWW.SZOSTAKDESIGN.COM
LICENSE # 31679

TJP ENGINEERING, INC.

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WWW.LIGHTSWITCH.NET

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LICENSE # P-3132

SURFACE 678, PA

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TEL: 919.419.1199
FAX: 919.419.1688
WWW.SURFACE678.COM
LICENSE # C-098

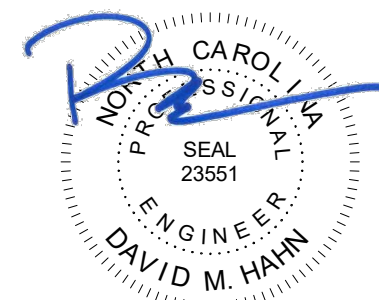
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WWW.CHEATHAMP.A.COM
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PALACIO COLLABORATIVE

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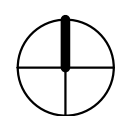
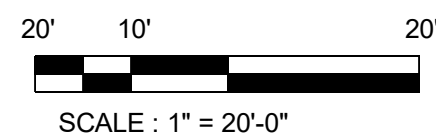
FIRST FLOOR DEMO PLAN

PD1.11

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OVERALL 1ST FLOOR - DEMO - WASTE VENT PLAN

SCALE: 1" = 20'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
KURE BEACH, NC 28449

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TEL: 919.419.1199
FAX: 919.419.1688
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LICENSE # C-096

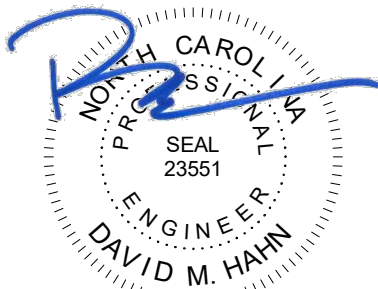
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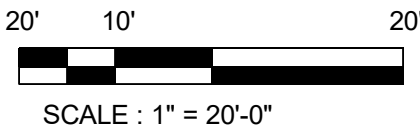
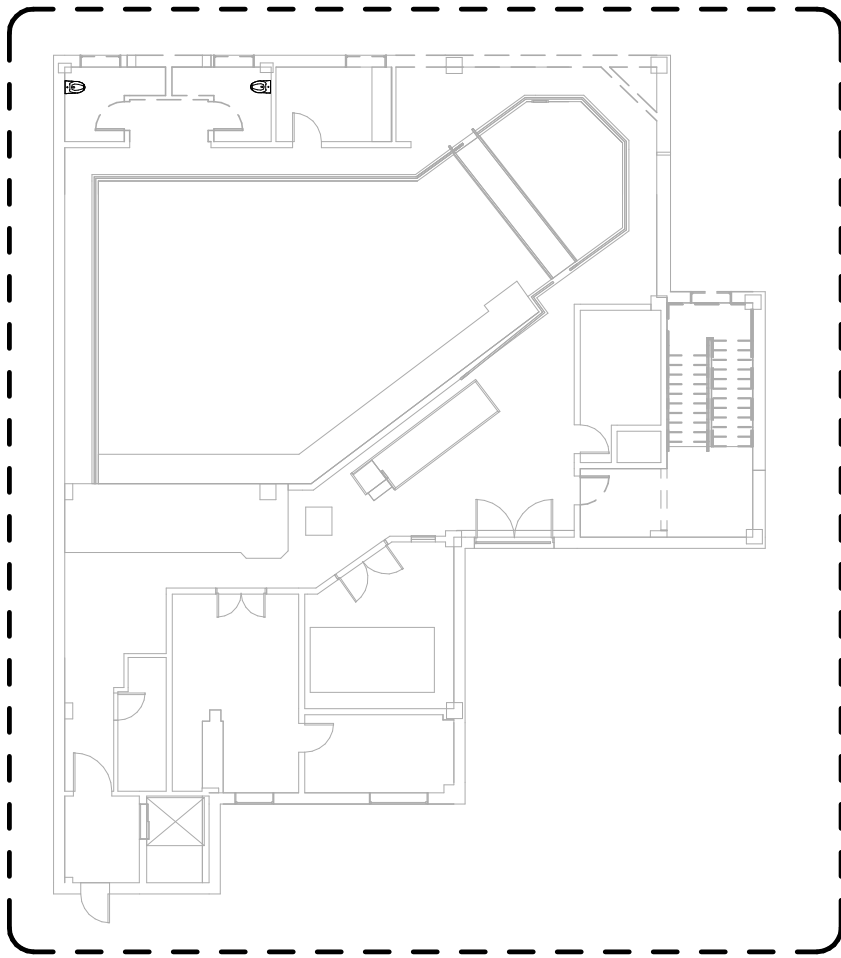
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-	12-5-25	FOR CONSTRUCTION

SECOND AND THIRD
FLOOR DEMO PLANS

PD1.12

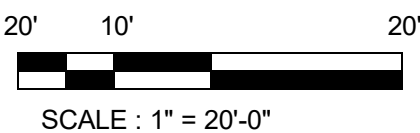
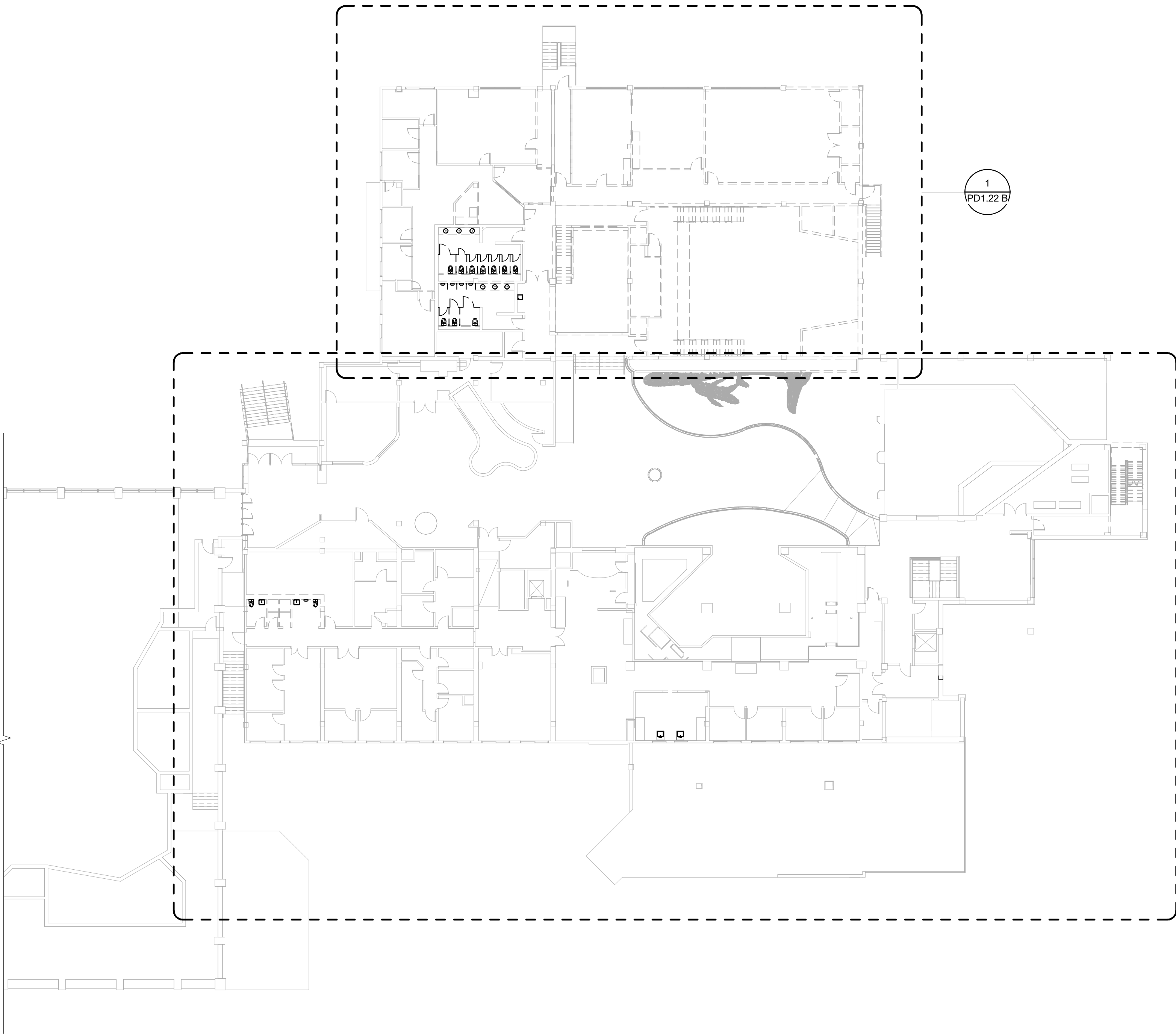
NOTES THIS SHEET

1. SEE ENLARGED PLANS FOR DEMOLITION DETAILS.



OVERALL 3RD FLOOR - DEMO - WASTE-VENT PLAN
SCALE : 1" = 20'-0"

2



OVERALL 2ND FLOOR - DEMO - WASTE-VENT PLAN
SCALE : 1" = 20'-0"

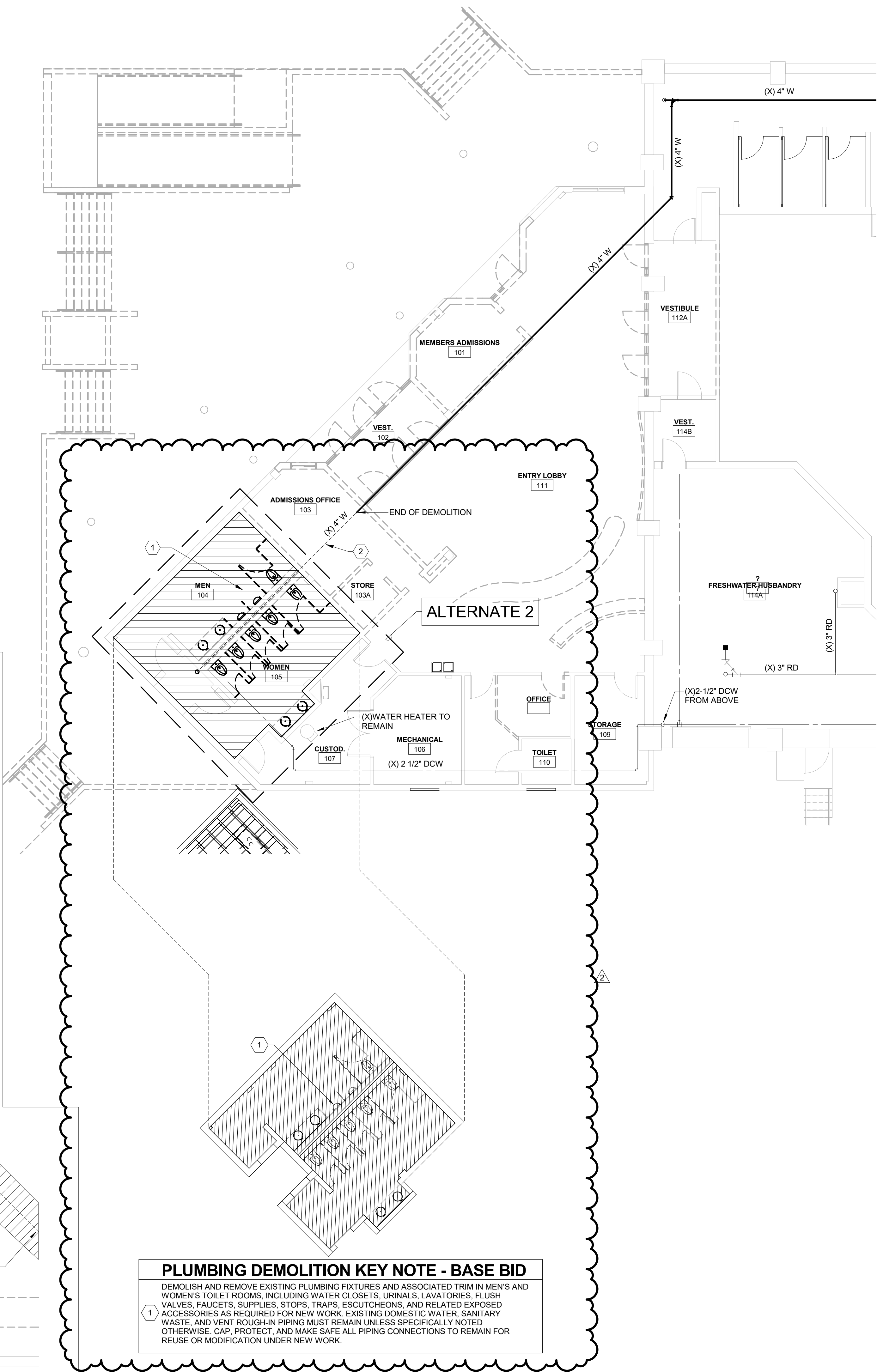
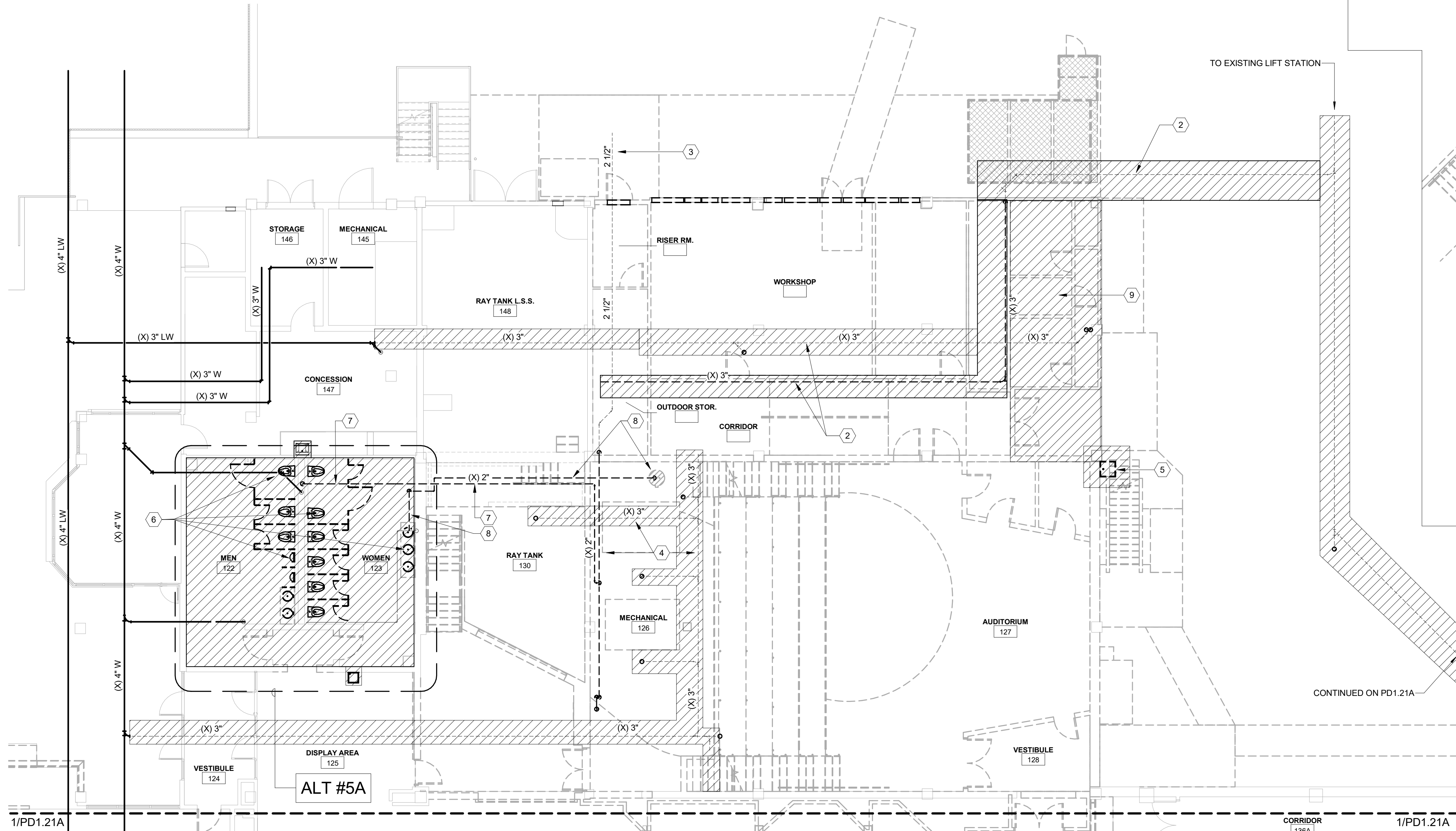
1

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www.cbhfenr.com

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KEYNOTES	
1	ALL EXISTING PLUMBING FIXTURES, PIPING, FITTINGS, ETC WITHIN THIS AREA TO BE REMOVED AND PROPERLY DISPOSED OF.
2	EXISTING WASTE PIPING TO BE DEMOLISHED TO END POINT OF DEMOLITION AS INDICATED ON PLAN.
3	EXISTING WATER SERVICE TO BE DEMOLISHED. GC TO COORDINATE KEEPING SERVICE ACTIVE UNTIL NEW WATER SERVICE COMES ONLINE
4	ALL PLUMBING IN MECHANICAL SPACE BELOW AUDITORIUM TO BE DEMOLISHED. EXISTING BOOSTER PUMP TO BE TEMPORARILY RELOCATED AS REQUIRED TO MAINTAIN ADEQUATE PRESSURE UNTIL NEW SERVICE AND BOOSTER PUMP ARE ON LINE
5	EXISTING SERVICE SINK AND ALL ASSOCIATED WASTE, VENT AND WATER PIPING TO BE DEMOLISHED.
6	ALL EXISTING PLUMBING FIXTURES WITHIN THIS SPACE TO BE REMOVED AND PROPERLY DISPOSED OF AS PART OF ALTERNATE #5A.
7	EXISTING DCW PIPING TO BE DEMOLISHED AS PART OF PHASE ONE BASE BID.
8	EXISTING WATER HEATER, DCW AND DHW PIPING TO BE DEMOLISHED AS PART OF PHASE ONE BASE BID.
9	ALL EXISTING PLUMBING FIXTURES, PIPING, FITTINGS, ETC WITHIN THIS AREA TO BE REMOVED AND PROPERLY DISPOSED OF AS PART OF ALTERNATE #2.



PLUMBING DEMOLITION KEY NOTE - BASE BID

DEMOLISH AND REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED TRIM IN MEN'S AND WOMEN'S TOILET ROOMS, INCLUDING WATER CLOSETS, URINALS, LAVATORIES, FLUSH VALVES, FAUCETS, SINKS, STOPS, TRAPS, ESCUTCHEONS, AND RELATED EXPOSED ACCESSORIES AS REQUIRED FOR NEW WORK. EXISTING DOMESTIC WATER, SANITARY WASTE, AND VENT ROUGH-IN PIPING MUST REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE. CAP, PROTECT, AND MAKE SAFE ALL PIPING CONNECTIONS TO REMAIN FOR REUSE OR MODIFICATION UNDER NEW WORK.

8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

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DEMOLITION LEGEND

INDICATES AREA OF DEMOLITION

SZOSTAK DESIGN

FORT FISHER AQUARIUM RENOVATION & EXPANSION: PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
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WWW.SURFACE678.COM
LICENSE # C-098

CHEATHAM & ASSOCIATES, PA

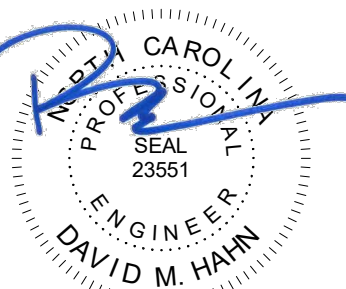
RRE PROTECTION ENGINEER
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TEL: 910.452.8100
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LICENSE # C-1073

PALACIO COLLABORATIVE

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Contract Documents govern. Users must
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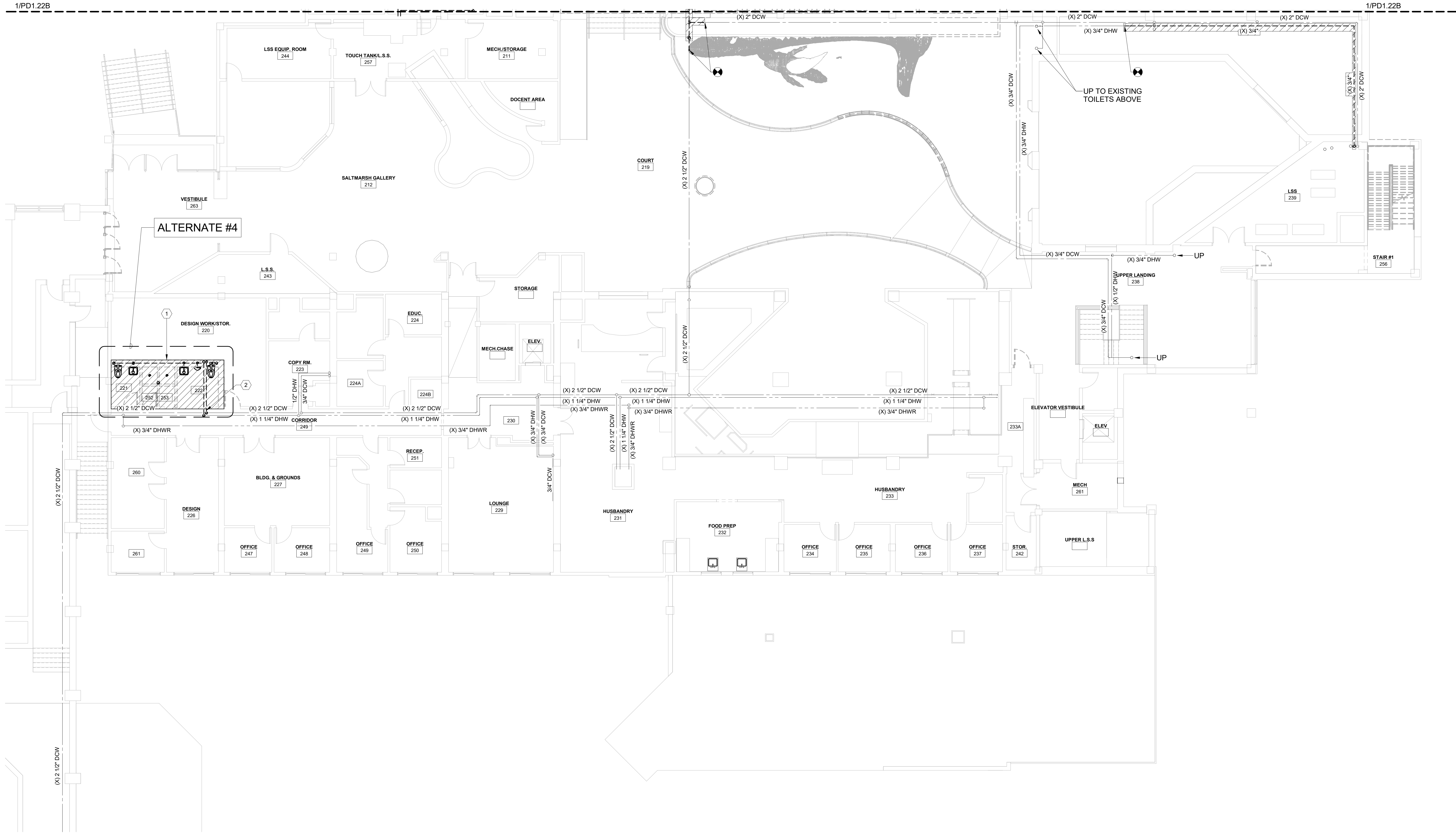


06-May-26

NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION
2	04-27-26	BULLETIN #2

FIRST FLOOR DEMO PLAN -
MAIN ENTRY & TOUCH
TANK

PD1.21 B



KEYNOTES

- 1 ALL PLUMBING FIXTURES, TRIM AND RELATED PIPING TO BE DEMOLISHED AS PART OF ALTERNATE #4.
- 2 REMOVE EXISTING DCW AND DHW PIPING BACK TO MAIN AND CAP.

DEMOLITION LEGEND

INDICATES AREA OF DEMOLITION

SZOSTAK DESIGN

FORT FISHER AQUARIUM RENOVATION & EXPANSION: PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

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KURE BEACH, NC 28449

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LICENSE # C-098

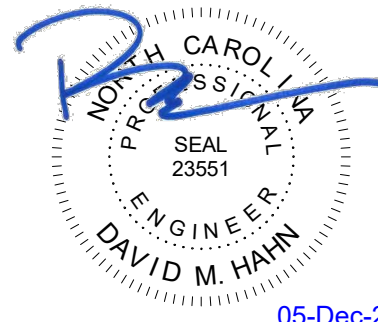
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LICENSE # C-1073

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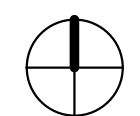
SECOND FLOOR DEMO
PLAN - CAPE FEAR

PD1.22 A

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8" 4" 0" 8"
SCALE: 1/8" = 1'-0"



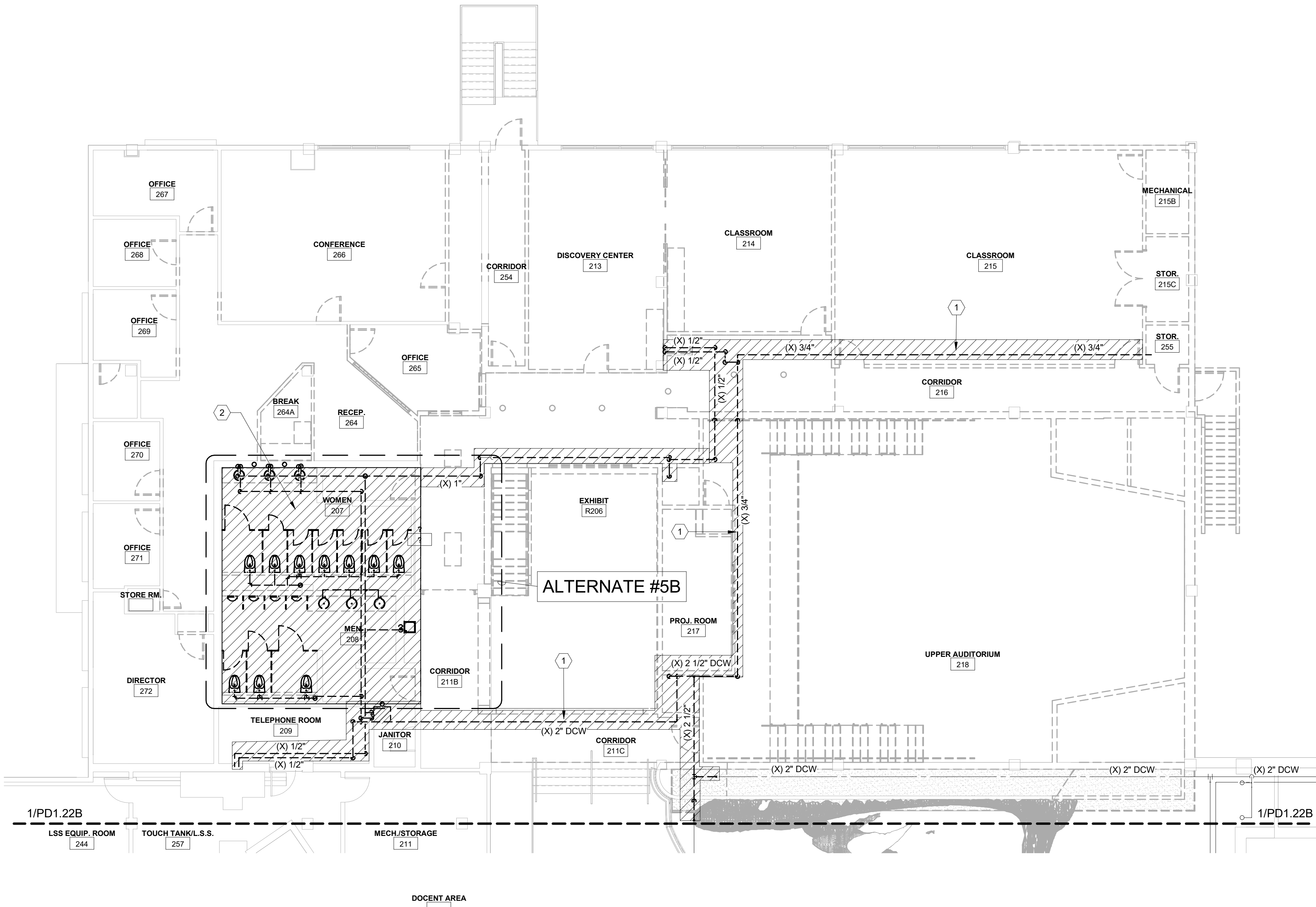
2ND FLOOR - DEMO - CAPE FEAR

SCALE: 1/8" = 1'-0"

KEYNOTES	
1	EXISTING DOMESTIC WATER PIPING TO BE DEMOLISHED.
2	ALL EXISTING PLUMBING FIXTURES, PIPING, FITTINGS, ETC WITHIN THIS AREA TO BE REMOVED AND PROPERLY DISPOSED OF AS PART OF ALTERNATE #5B.

DEMOLITION LEGEND

INDICATES AREA OF DEMOLITION



SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE I

SCO #17-18042-02A
CODE: 42014-4G02
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SECOND FLOOR DEMO
PLAN - TOUCH TANK

PD1.22 B

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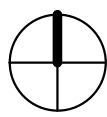
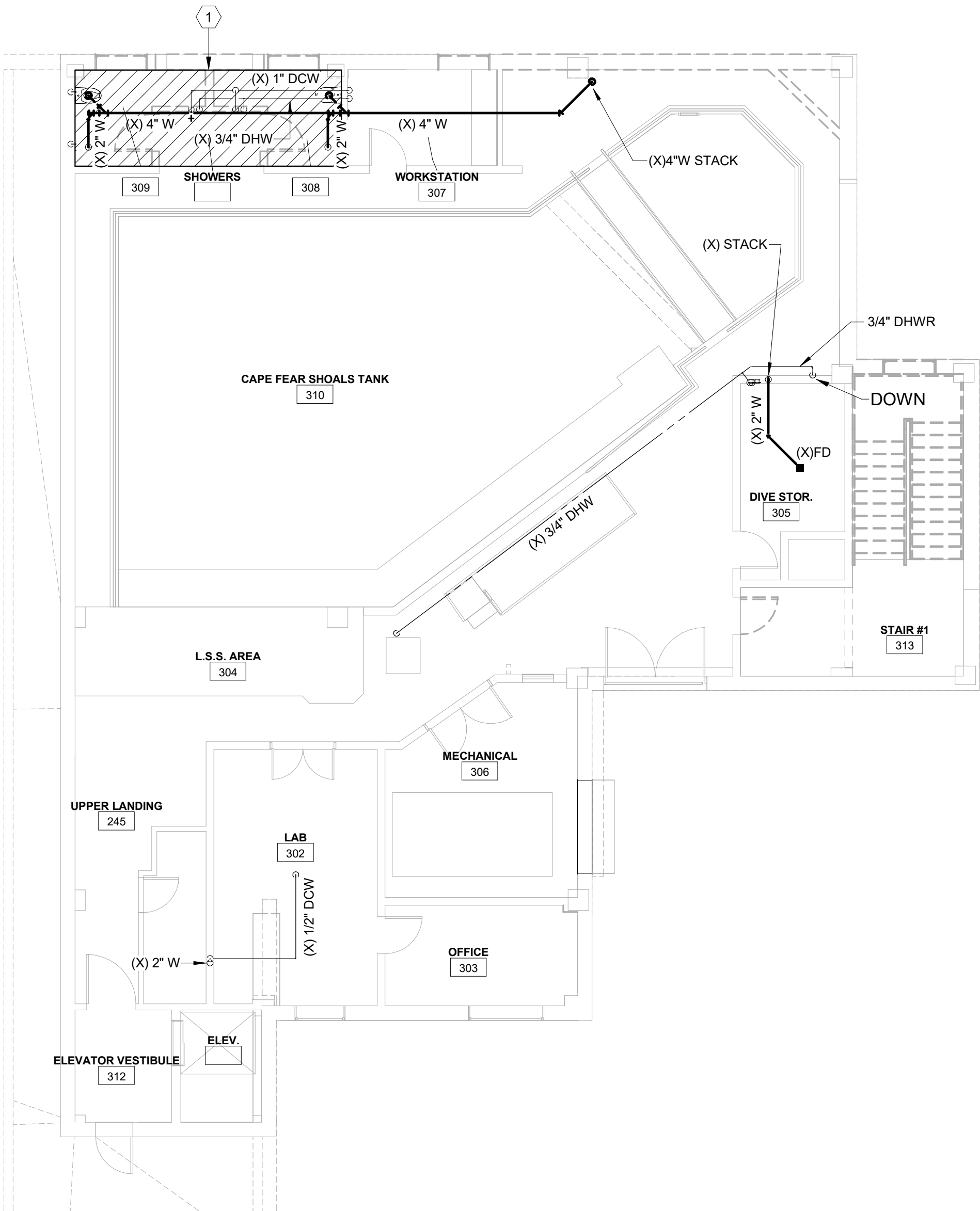
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SCALE: 1/8" = 1'-0"

2ND FLOOR - DEMO - TOUCH AND SHARK TANK
SCALE: 1/8" = 1'-0"

KEYNOTES	
1	ALL EXISTING PLUMBING FIXTURES , TRIM, ETC. WITHIN THIS AREA TO BE DEMOLISHED. EXISTING PIPING TO REMAIN AND BE RE-USED.

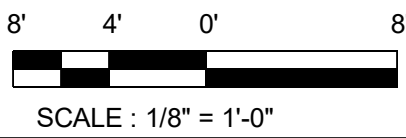
DEMOLITION LEGEND

INDICATES AREA OF DEMOLITION



3RD FLOOR - DEMO - CAPE FEAR

SCALE : 1/8" = 1'-0"



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SZOSTAK DESIGN

FORT FISHER AQUARIUM RENOVATION & EXPANSION: PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
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LICENSE # C-3505

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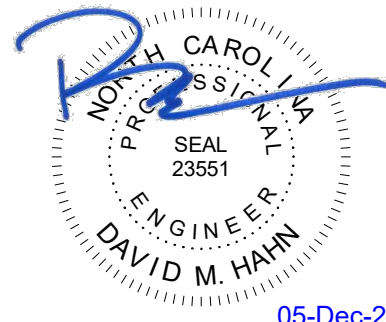
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-	12-5-25	FOR CONSTRUCTION

THIRD FLOOR DEMO PLAN
- CAPE FEAR

PD1.23 A

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
KURE BEACH, NC 28449

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FAX: 919.960.7967
WWW.SZOSTAKDESIGN.COM
LICENSE # 31079

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FAX: 919.419.1689
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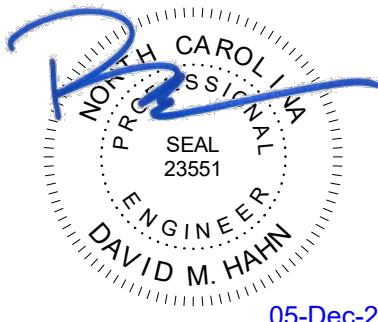
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LICENSE # C-1073

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NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

FIRST FLOOR PLAN -
WASTE-VENT

PS2.11

PHASING REQUIREMENTS

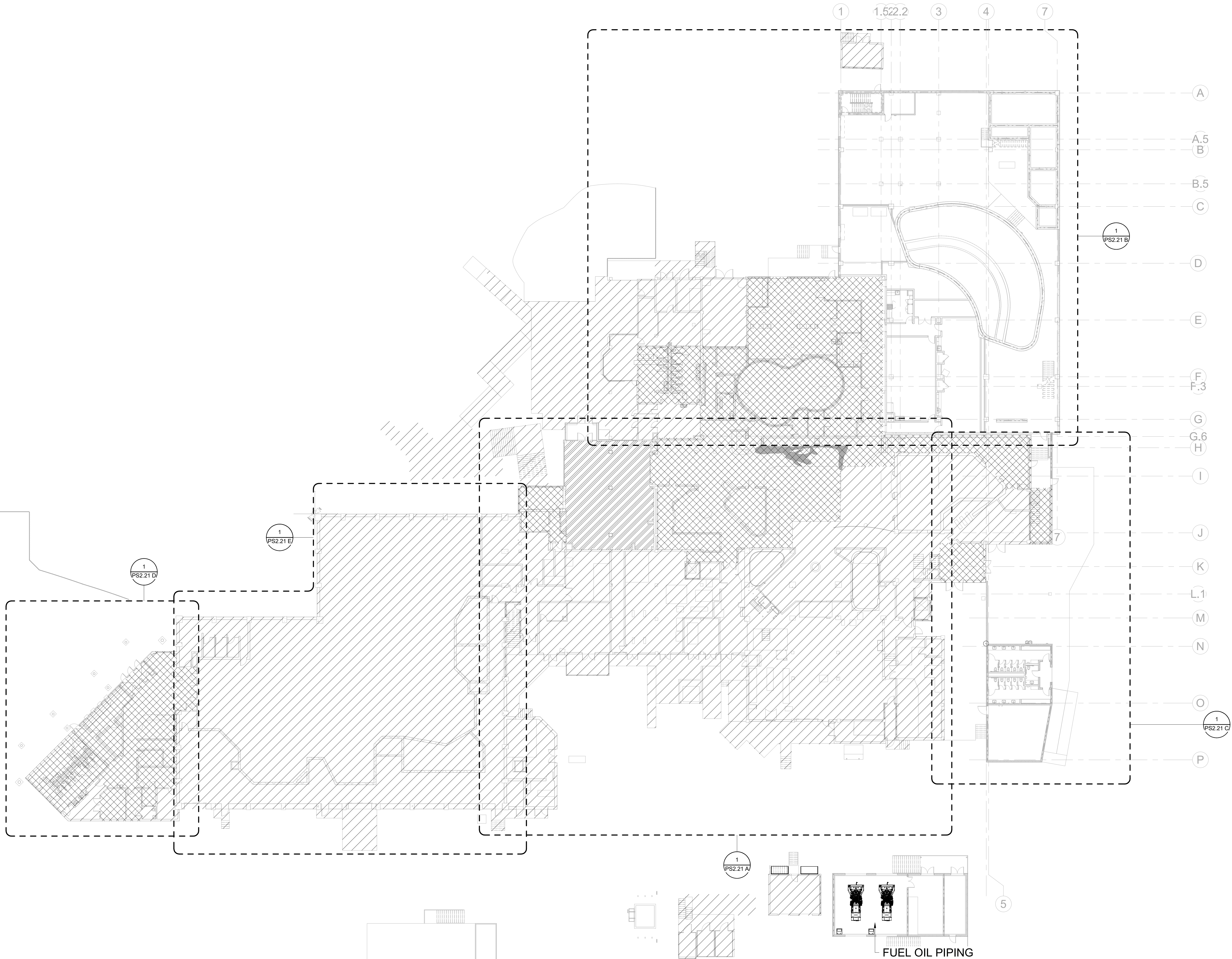
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FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

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20' 10' 20'
SCALE: 1" = 20'-0"

OVERALL 1ST FLOOR - WASTE VENT PLAN
SCALE: 1" = 20'-0"

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FAX: 919.419.1689
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LICENSE # C-096

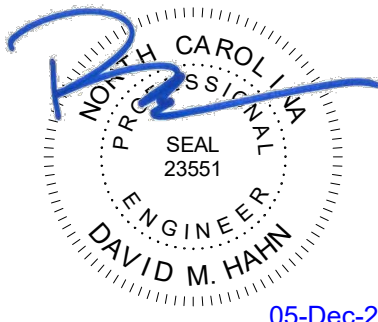
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WWW.PALACIOCOLLABORATIVE.COM

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NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

SECOND FLOOR PLAN -
WASTE-VENT

PS2.12

PHASING REQUIREMENTS

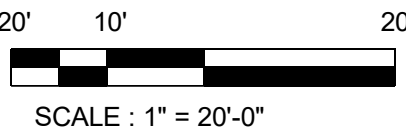
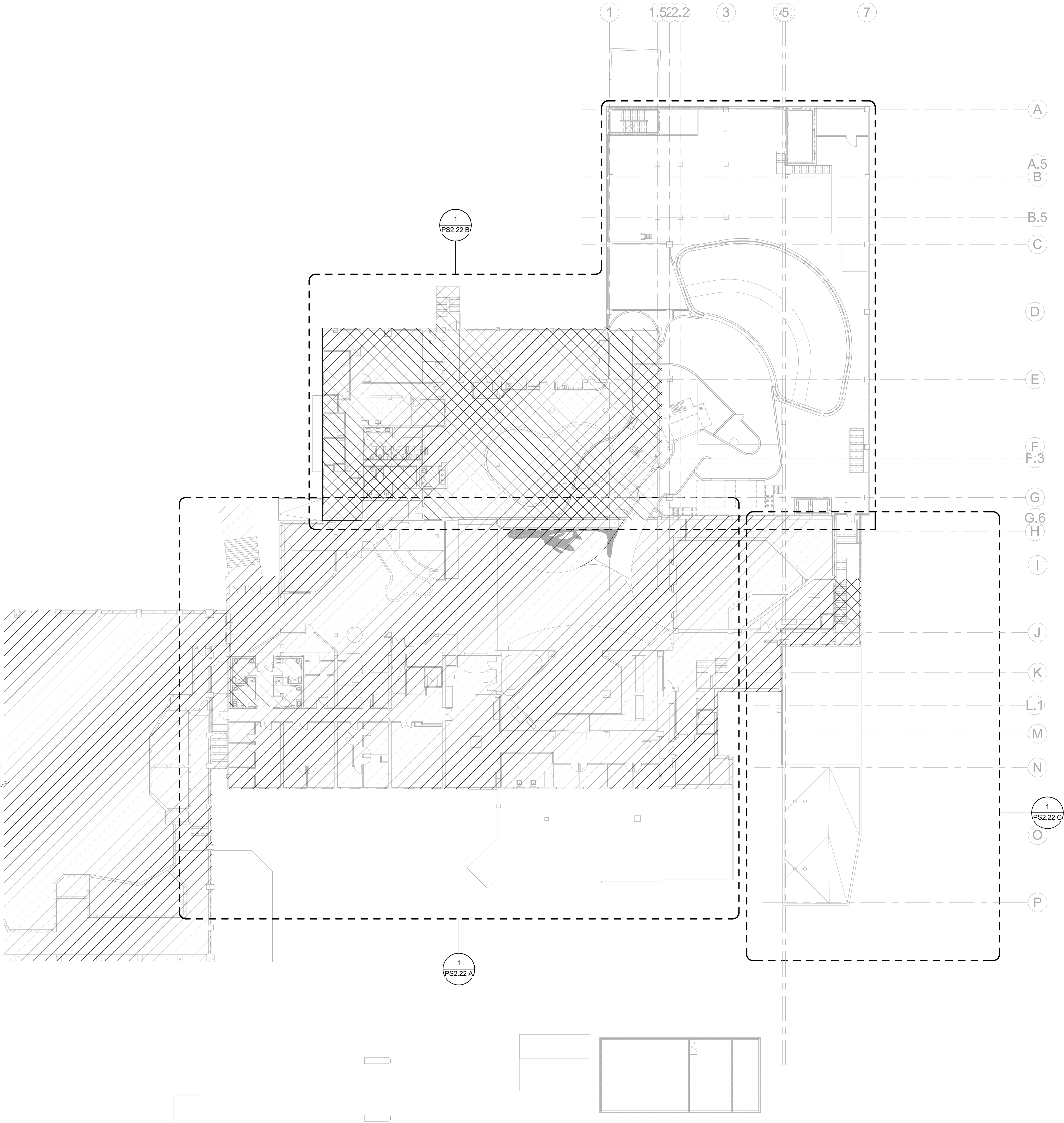
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FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

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OVERALL 2ND FLOOR - WASTE-VENT PLAN

SCALE: 1" = 20'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
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WWW.SZOSTAKDESIGN.COM
LICENSE # 31079

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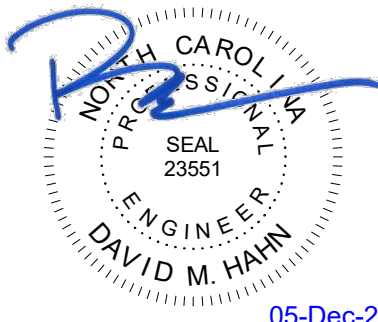
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THIRD FLOOR PLAN -
WASTE-VENT

PS2.13

PHASING REQUIREMENTS

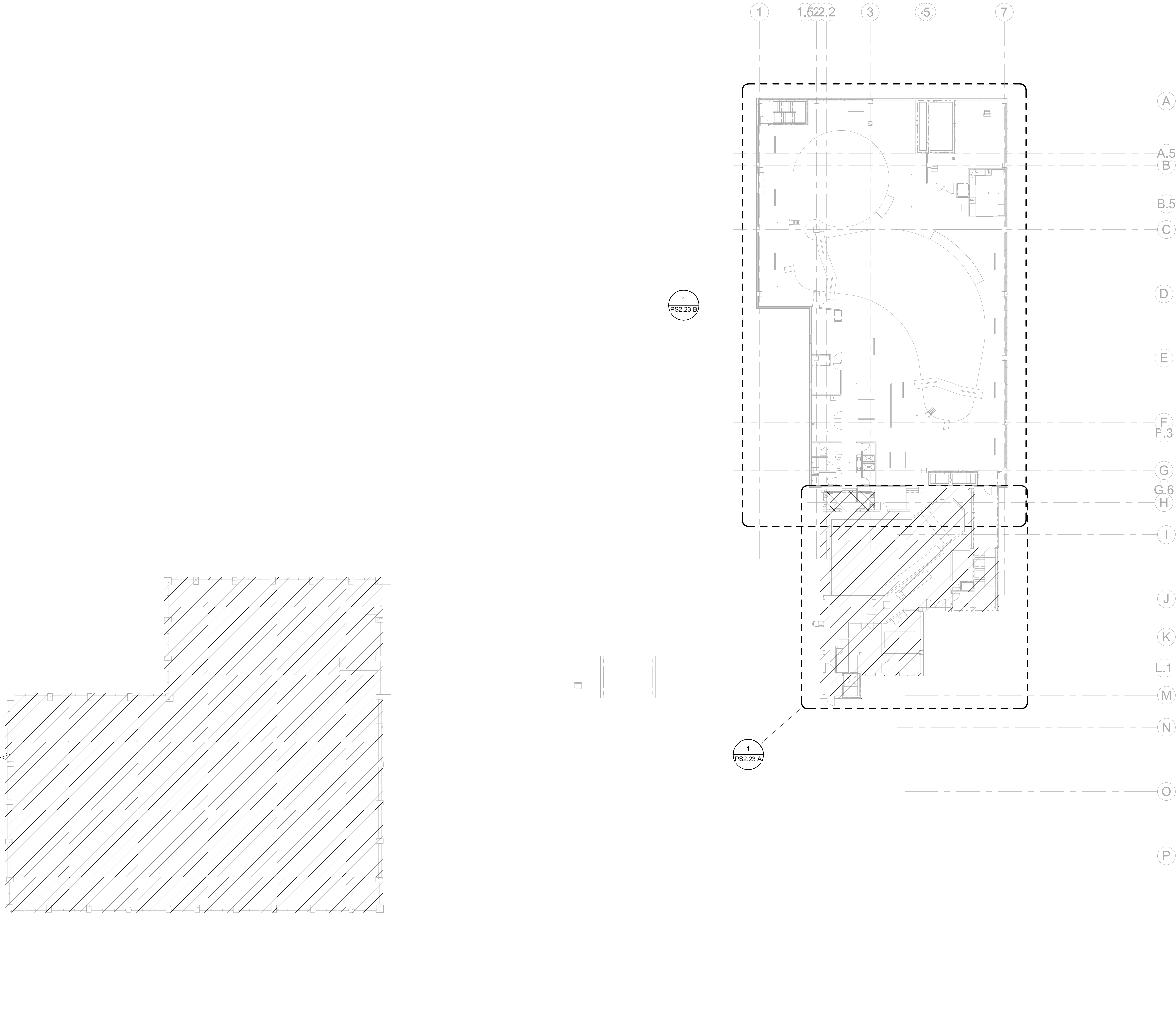
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FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

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20' 10' 20'
SCALE : 1" = 20'-0"

OVERALL 3RD FLOOR - WASTE-VENT PLAN
SCALE : 1" = 20'-0"

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AQUARIUM
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PHASE I

SCO #17-18042-02A
CODE: 42014-4G02
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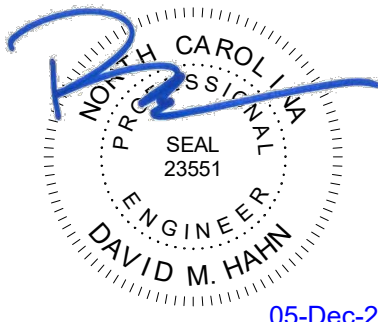
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-	12-5-25	FOR CONSTRUCTION

ROOF PLAN

PS2.14

PHASING REQUIREMENTS

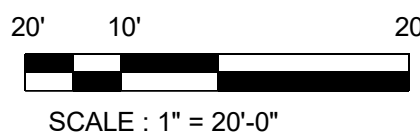
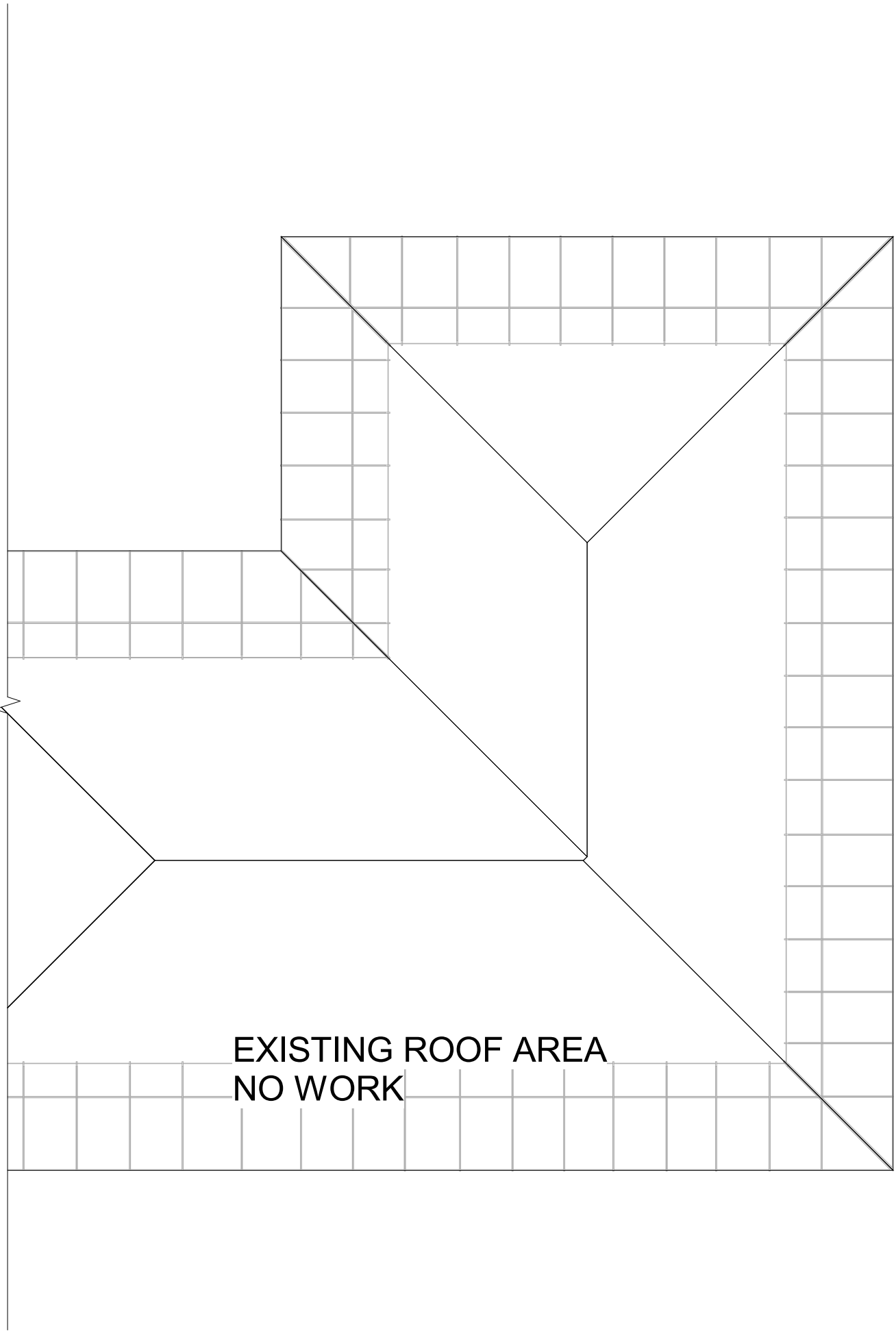
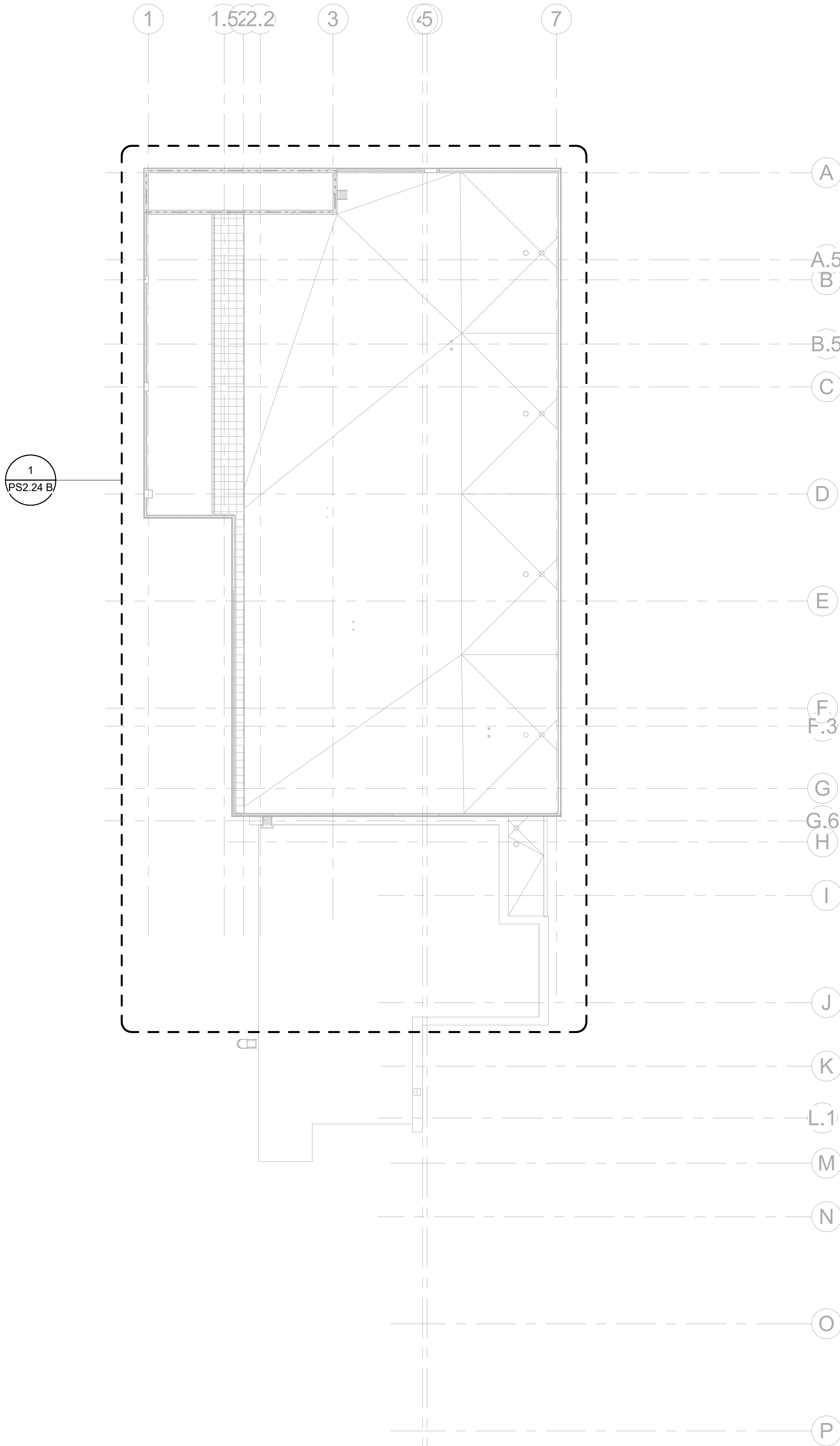
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FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

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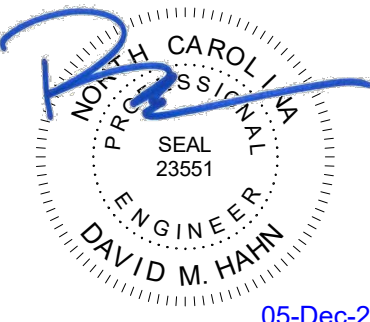


SCALE : 1" = 20'-0"

ROOF PLAN
SCALE : 1" = 20'-0"

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NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

FIRST FLOOR PLAN - CAPE
FEAR SHOALS -
WASTE-VENT

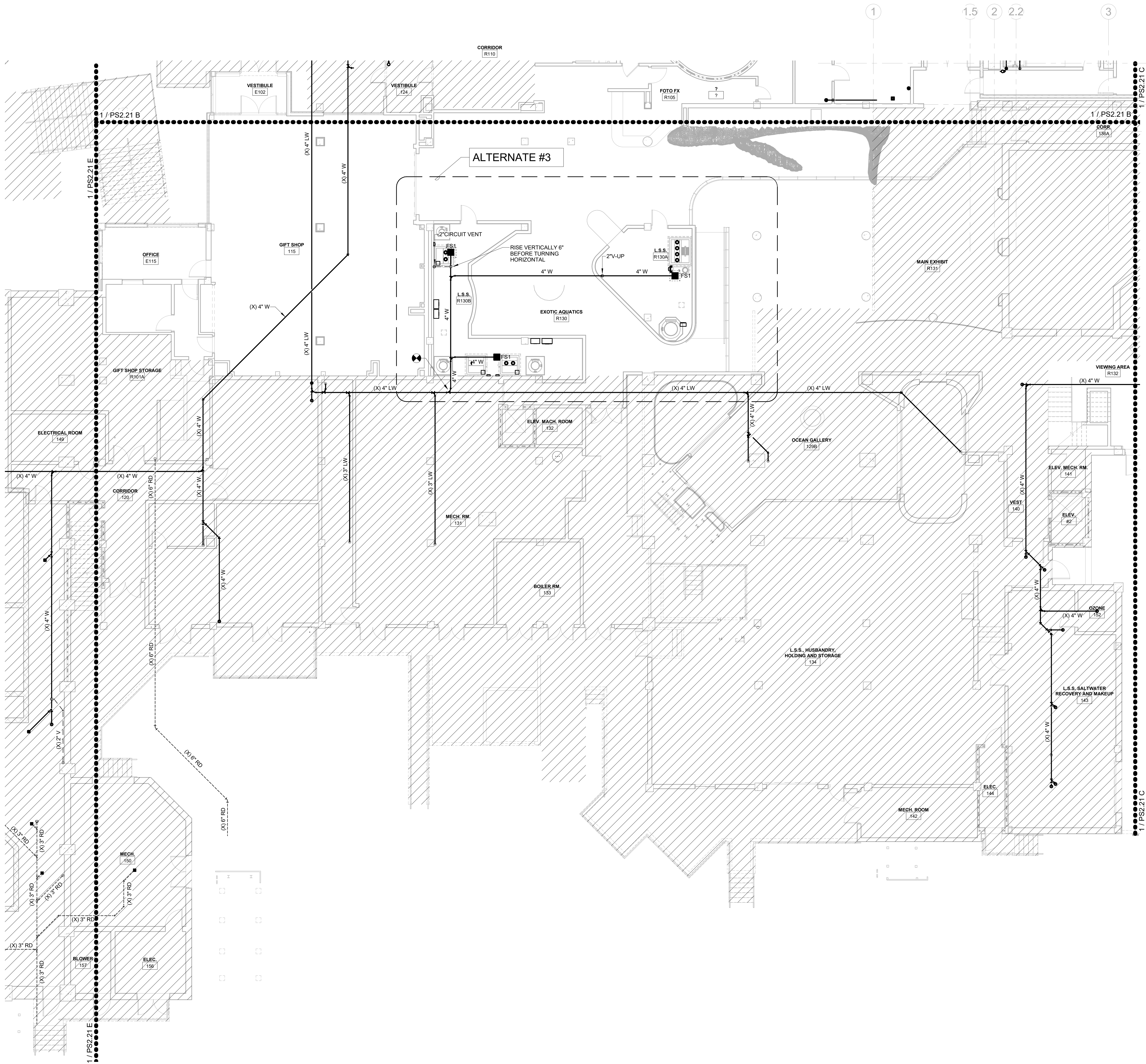
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FLOOR PLAN LEGEND

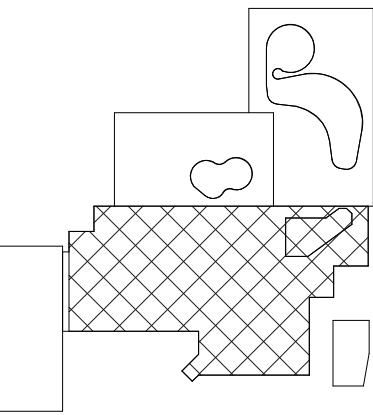
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KEY PLAN

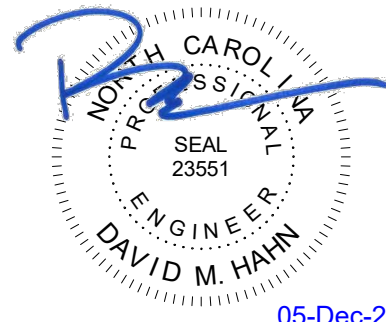


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8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

1ST FLOOR - CAPE FEAR SHOALS - WASTE VENT - CONST
SCALE: 1/8" = 1'-0"



NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

FIRST FLOOR PLAN -
TOUCH AND SHARK TANK -
WASTE-VENT

PS2.21 B

KEYNOTES THIS SHEET

- 2" VENT, INSTALL PER 2018 NCPC SECTION 905.4, EXCEPTION 2.
- 2" CIRCUIT VENT
- EXISTING 4" WASTE TO BE CONNECTED TO NEW PIPING SYSTEM. EXISTING PIPING SYSTEM TO REMAIN ACTIVE.
- 2" VENT UP IN WALL. PROVIDE WCO IN RISER WITH ACCESS FROM INSIDE CUSTODIAL CLOSET
- 6" ORDL FROM ABOVE
- 4" W STACK FROM ABOVE. INSTALL CLEANOUT AT BASE OF STACK.
- INSTALL CLEANOUT AT BASE OF STACK
- 2" VENT UP
- 4" W STACK FROM ABOVE. INSTALL CLEANOUT AT BASE OF STACK.
- PROVIDE AUTOMATIC BACKWATER VALVE ON SANITARY MAIN SERVING FIXTURES AND FLOOR DRAINS LOCATED WITHIN DRY FLOODPROOFED AREA. VALVE SHALL BE LOCATED OUTSIDE OR AT THE EDGE OF THE FLOODPROOFED ENVELOPE AND BE ACCESSIBLE FOR MAINTENANCE. BACKWATER VALVE SHALL BE DESIGNED TO CLOSE AUTOMATICALLY UNDER BACKFLOW CONDITIONS.
- 4" RDL FROM ABOVE. SEE SHEET PS2.22B FOR CONTINUATION
- 4" STORM LINE TO DROP INLET DI-2.3. SEE SHEET C-2.1 FOR CONTINUATION.

PHASING REQUIREMENTS

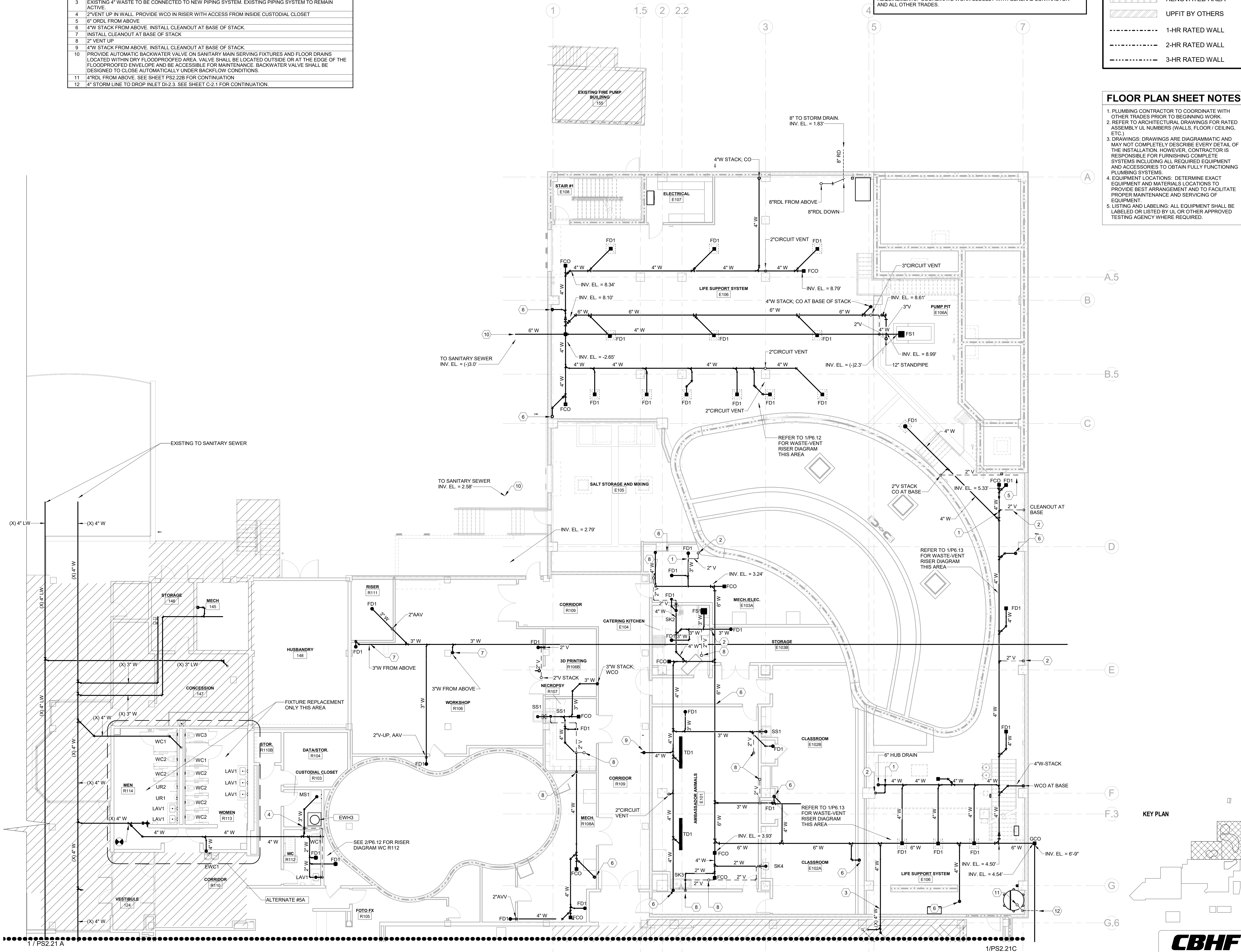
REFER TO ARCHITECTURAL DRAWING SET FOR CONSTRUCTION PHASING REQUIREMENTS. COORDINATE WORK CLOSELY WITH GENERAL CONTRACTOR AND ALL OTHER TRADES.

FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

- PLUMBING CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
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- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INSTALLATION. HOWEVER, CONTRACTOR IS RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIES TO OBTAIN FULLY FUNCTIONING PLUMBING SYSTEMS.
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8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

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1ST FLOOR - TOUCH AND SHARK TANK - WASTE-VENT
SCALE: 1/8" = 1'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE I

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
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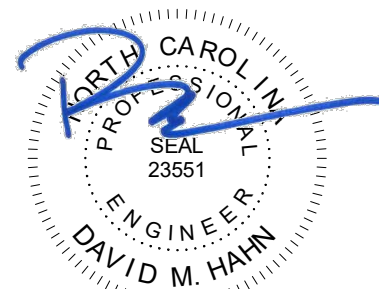
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06-May-26

NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION
2	04-27-26	BULLETIN #2

FIRST FLOOR PLAN -
SOUTHEAST WING -
WASTE-VENT

PS2.21 C

KEYNOTES THIS SHEET

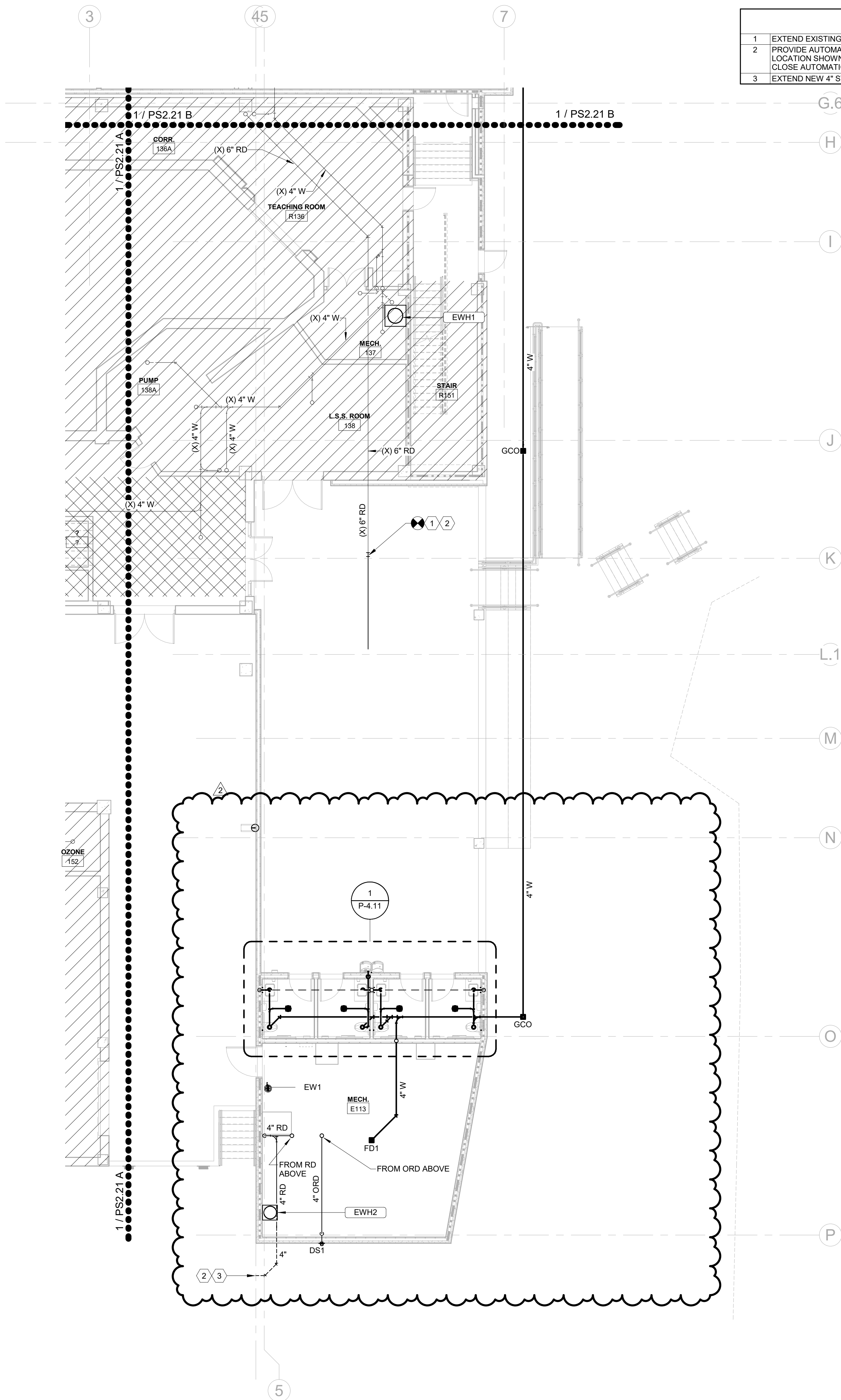
1	EXTEND EXISTING STORM DRAIN TO NEW DROP INLET DI-1.15. SEE DRAWING C-2.1 FOR LOCATION.
2	PROVIDE AUTOMATIC BACKWATER VALVE ON STORM DRAIN MAIN. VALVE SHALL BE LOCATED IN GENERAL LOCATION SHOWN AND BE ACCESSIBLE FOR MAINTENANCE. BACKWATER VALVE SHALL BE DESIGNED TO CLOSE AUTOMATICALLY UNDER BACKFLOW CONDITIONS.
3	EXTEND NEW 4" STORM DRAIN LINE TO NEW JUNCTION BOX. SEE DRAWING C-2.1 FOR CONTINUATION.

FLOOR PLAN LEGEND

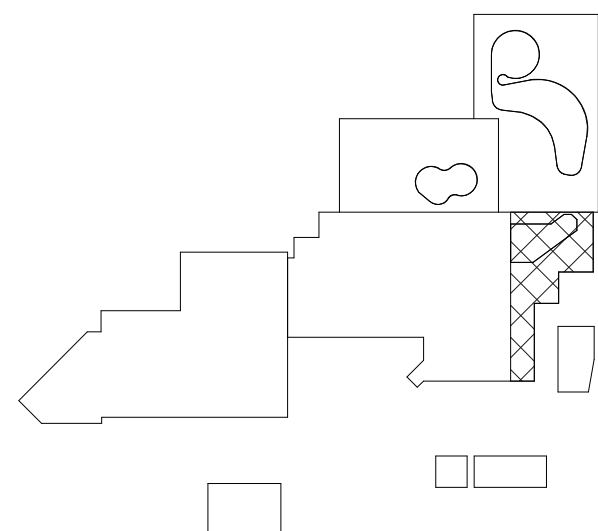
	EXISTING BUILDING
	RENOVATED AREA
	UPFIT BY OTHERS
	1-HR RATED WALL
	2-HR RATED WALL
	3-HR RATED WALL

FLOOR PLAN SHEET NOTES

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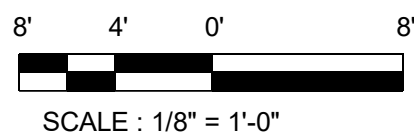


KEY PLAN



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SCALE: 1/8" = 1'-0"



1ST FLOOR - SOUTHEAST WING - WASTE-VENT

SCALE: 1/8" = 1'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
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NO.	DATE	DESCRIPTION
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2	04-27-26	BULLETIN #2

FIRST FLOOR PLAN - MAIN
ENTRY & MECH BLDG -
WASTE-VENT

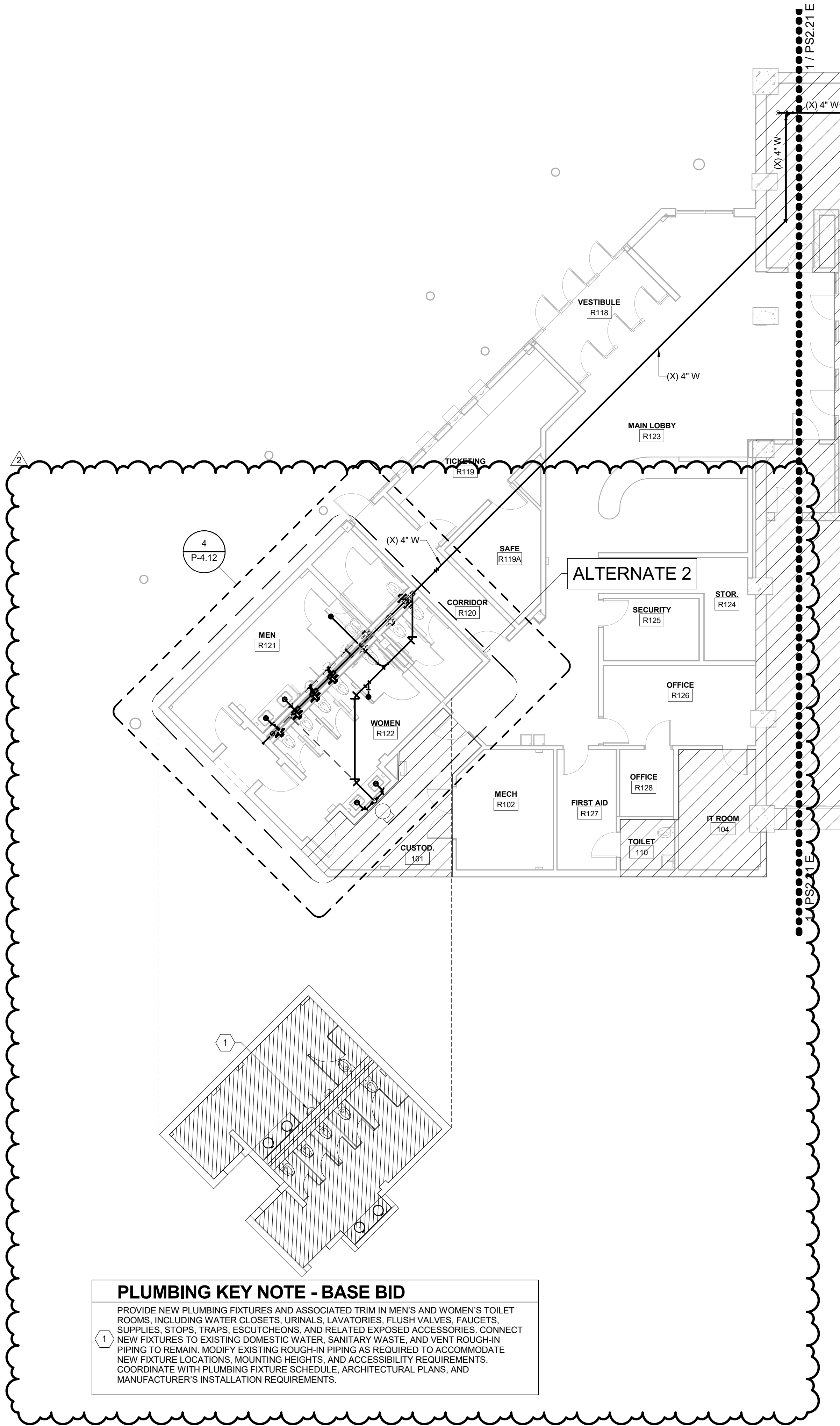
PS2.21 D

FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

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PLUMBING KEY NOTE - BASE BID

PROVIDE NEW PLUMBING FIXTURES AND ASSOCIATED TRIM IN MEN'S AND WOMEN'S TOILET ROOMS, INCLUDING WATER CLOSETS, URINALS, LAVATORIES, FLUSH VALVES, FAUCETS, SUPPLIES, STOPS, TRAPS, ESCUTCHEONS, AND RELATED EXPOSED ACCESSORIES. CONNECT NEW FIXTURES TO EXISTING DOMESTIC WATER, SANITARY WASTE, AND VENT ROUGH-IN PIPING TO REMAIN. MODIFY EXISTING ROUGH-IN PIPING AS REQUIRED TO ACCOMMODATE NEW FIXTURE LOCATIONS, MOUNTING HEIGHTS, AND ACCESSIBILITY REQUIREMENTS. COORDINATE WITH PLUMBING FIXTURE SCHEDULE, ARCHITECTURAL PLANS, AND MANUFACTURER'S INSTALLATION REQUIREMENTS.

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8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

1ST FLOOR - MAIN ENTRY - WASTE-VENT
SCALE: 1/8" = 1'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE I

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

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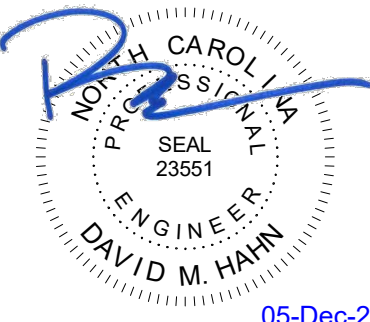
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FIRST FLOOR PLAN -
FRESHWATER HABITAT -
WASTE-VENT

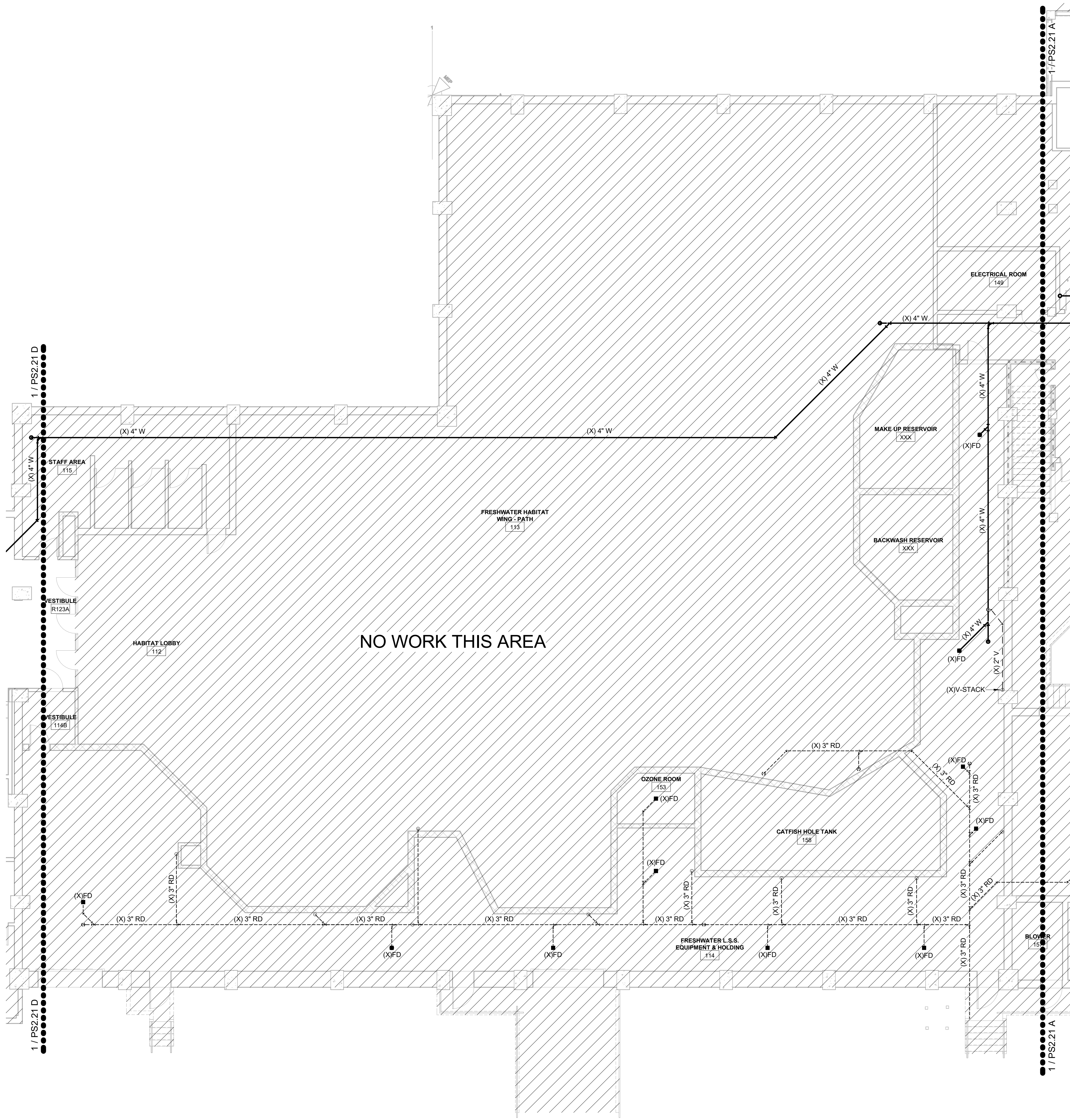
PS2.21 E

FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
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- 1-HR RATED WALL
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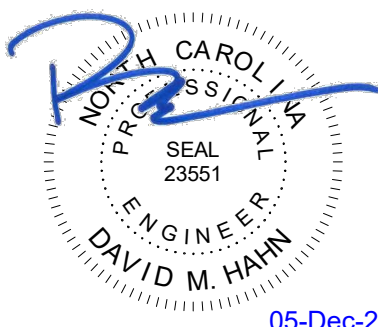
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SECOND FLOOR PLAN -
CAPE FEAR SHOALS -
WASTE-VENT

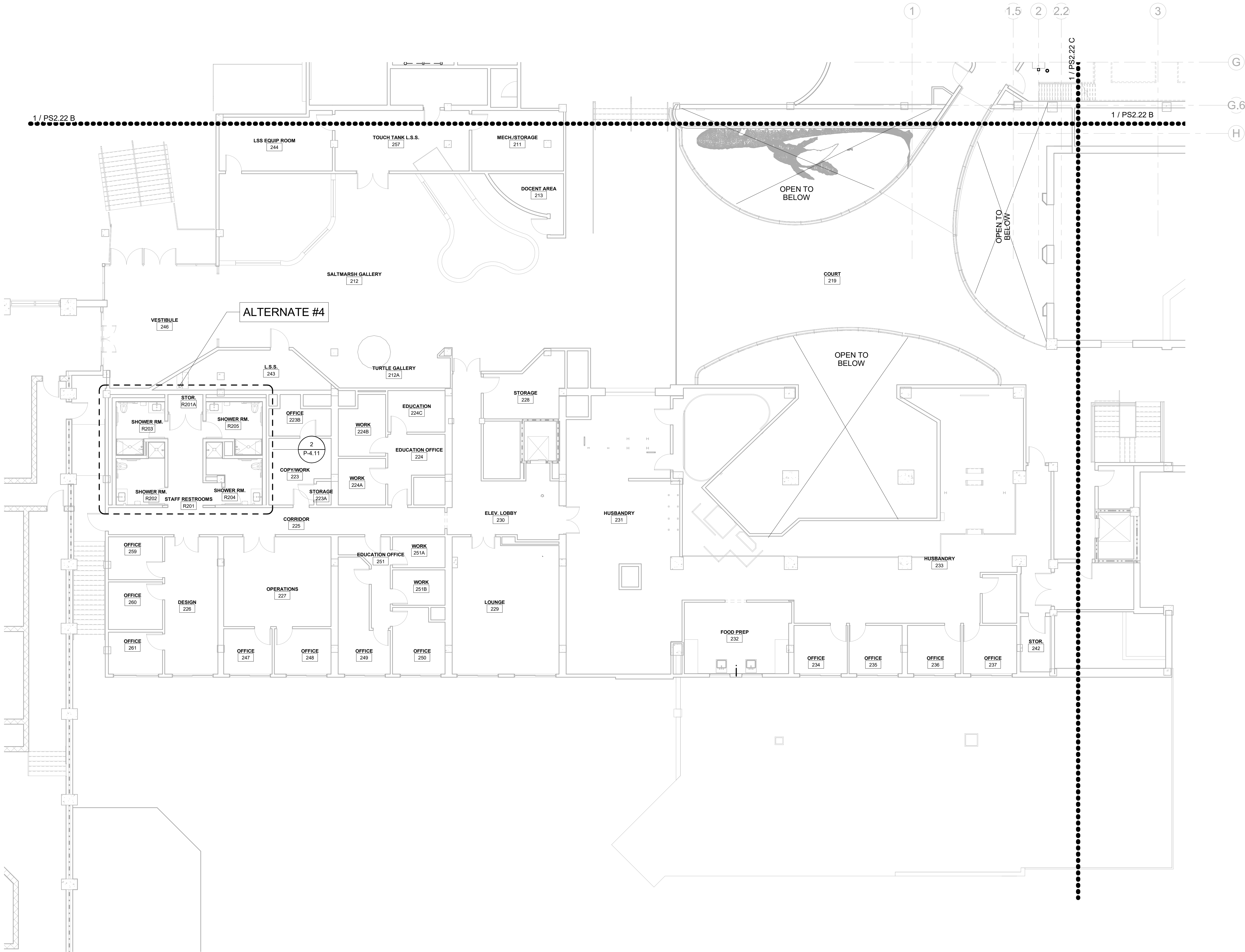
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FLOOR PLAN LEGEND

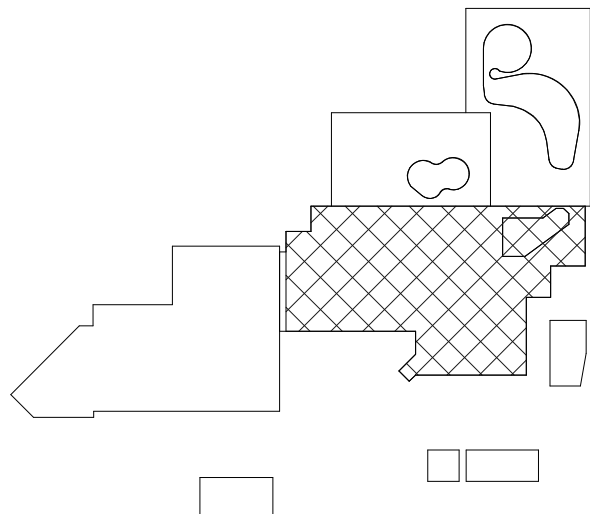
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KEY PLAN



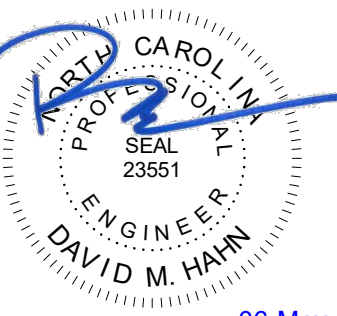
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8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

2ND FLOOR - CAPE FEAR SHOALS - WASTE VENT
SCALE: 1/8" = 1'-0"

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-	12-5-25	FOR CONSTRUCTION
2	04-27-26	BULLETIN #2

SECOND FLOOR PLAN -
TOUCH AND SHARK TANK -
WASTE-VENT

PS2.22 B

FLOOR PLAN LEGEND

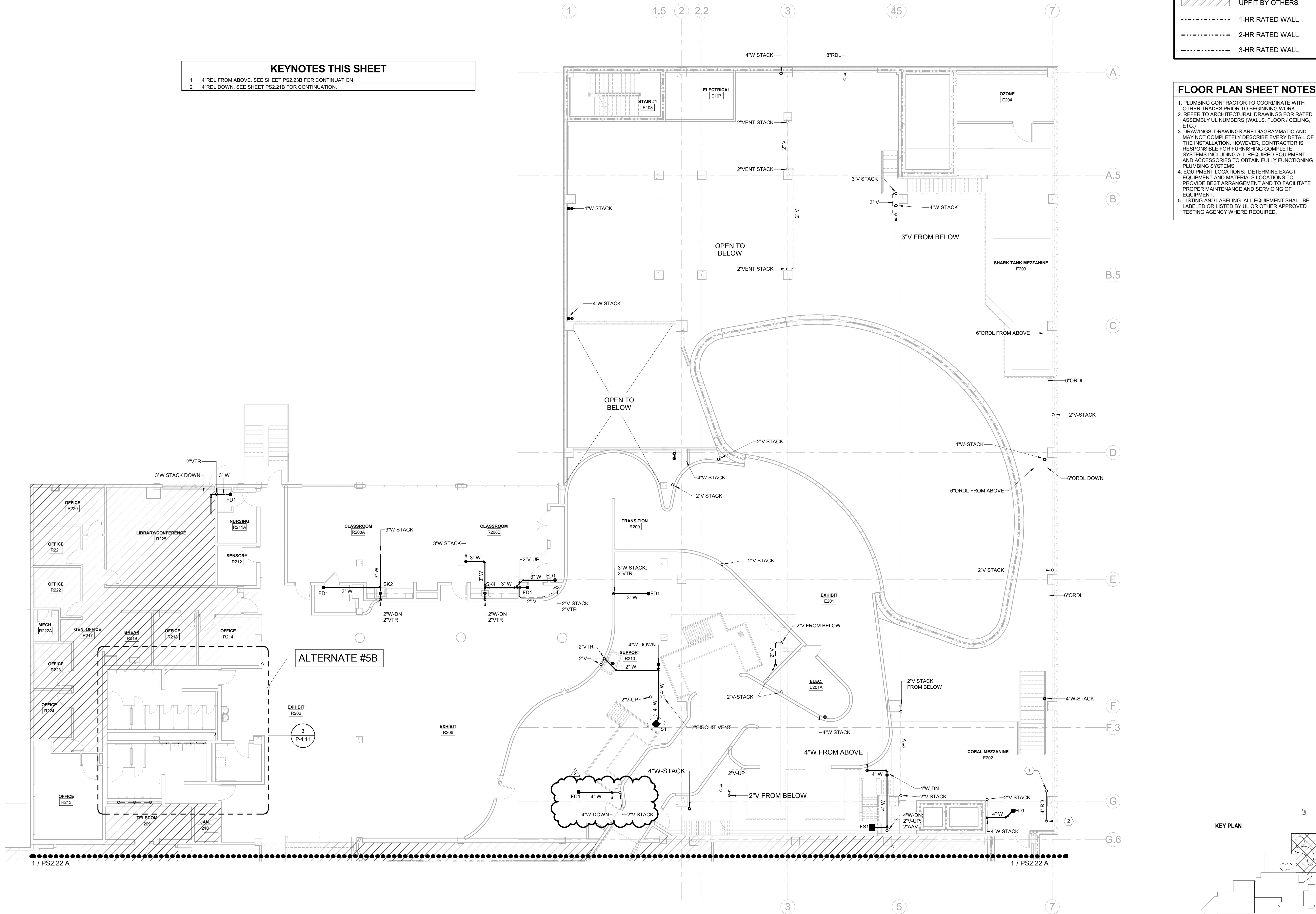
- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

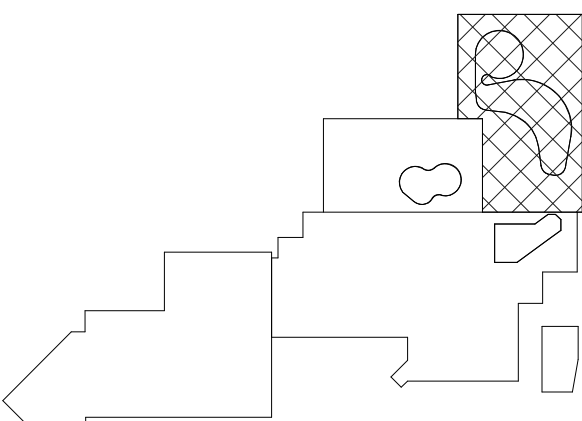
- PLUMBING CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
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- LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING AGENCY WHERE REQUIRED.

KEYNOTES THIS SHEET

- 4"RD. FROM ABOVE. SEE SHEET PS2.23B FOR CONTINUATION
- 4"RD. DOWN. SEE SHEET PS2.21B FOR CONTINUATION.



KEY PLAN



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8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

2ND FLOOR - SHARK TANK - WASTE-VENT
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SZOSTAK DESIGN

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06-May-26

NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION
2	04-27-26	BULLETIN #2

SECOND FLOOR PLAN -
SOUTHEAST WING -
WASTE-VENT

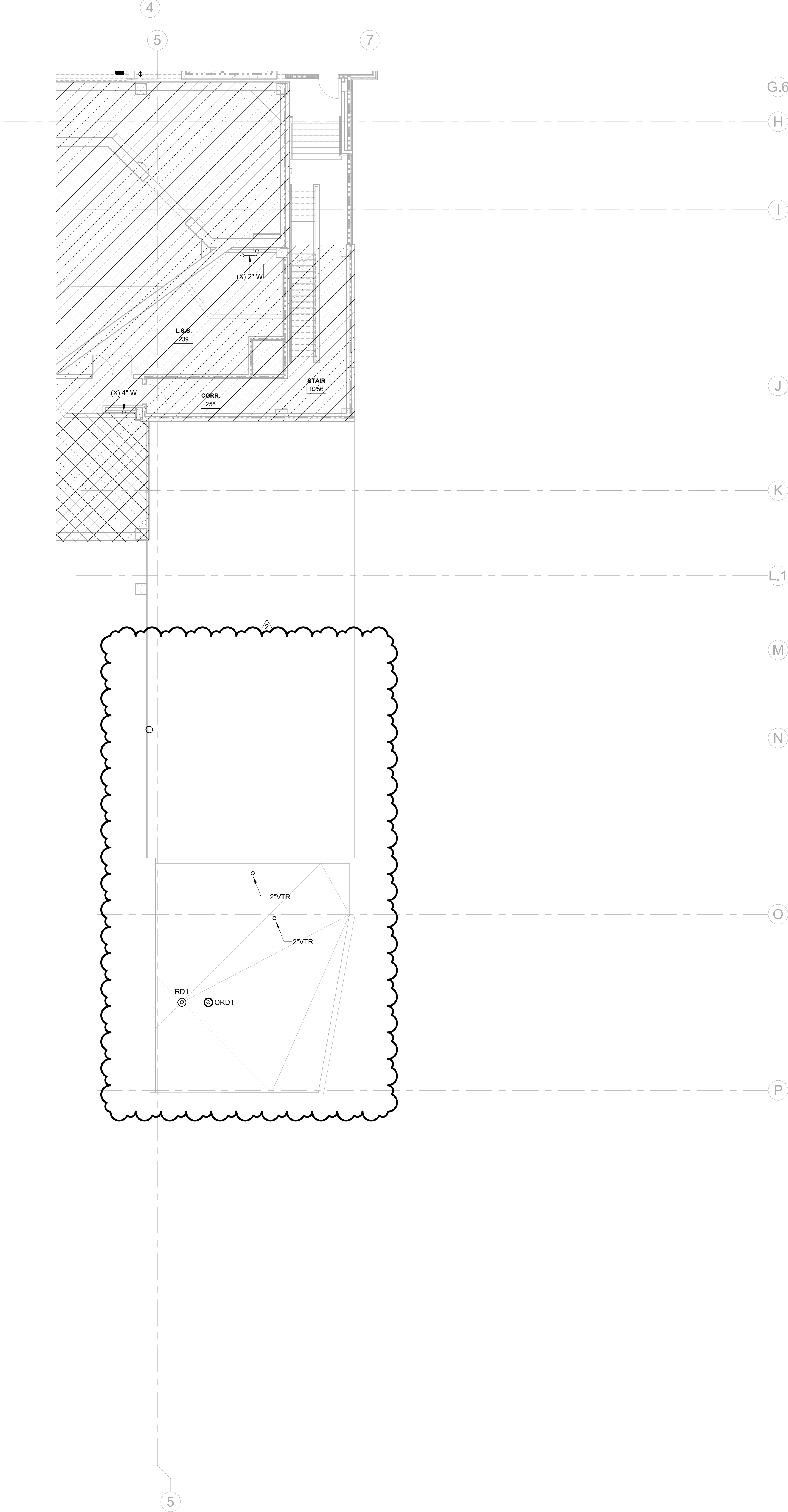
PS2.22 C

FLOOR PLAN LEGEND

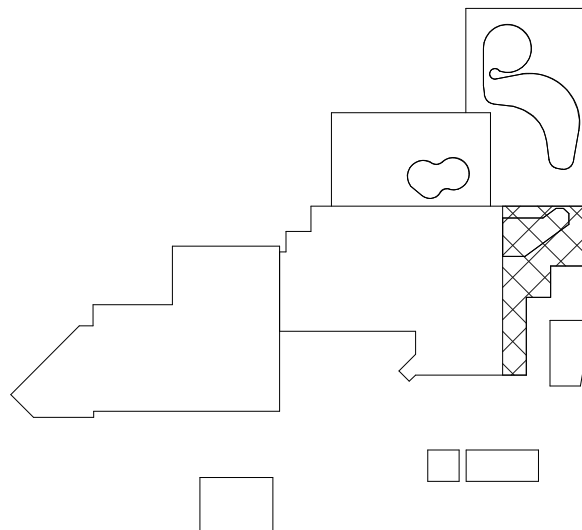
- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

- PLUMBING CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
- REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY UL NUMBERS (WALLS, FLOOR / CEILING, ETC.)
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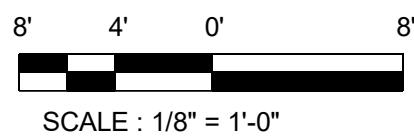


KEY PLAN

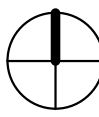


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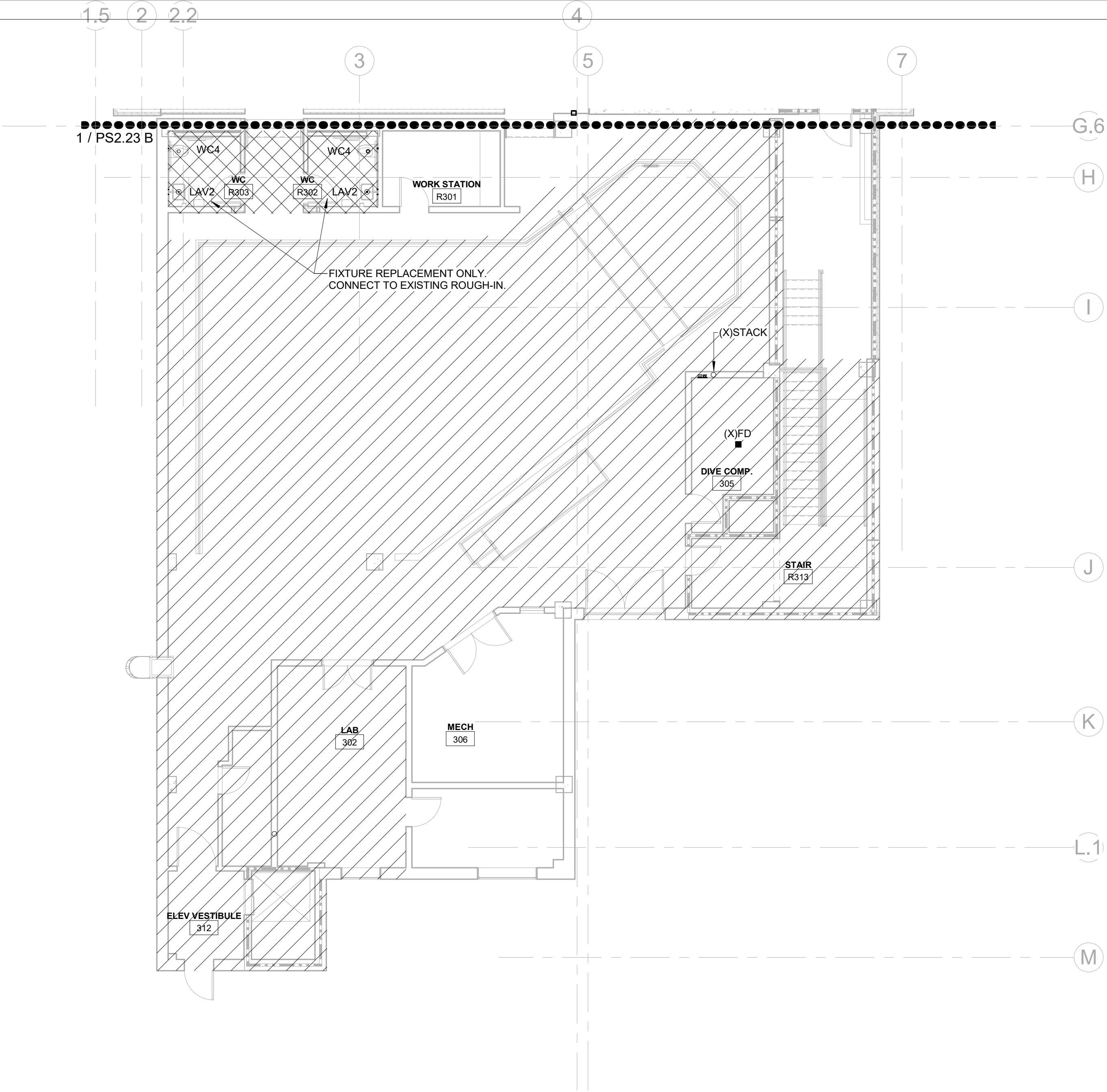


SCALE : 1/8" = 1'-0"



2ND FLOOR - SOUTHEAST WING - WASTE-VENT

SCALE : 1/8" = 1'-0"



FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
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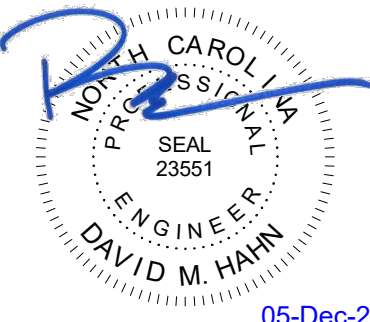
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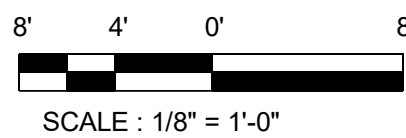
THIRD FLOOR PLAN -
SOUTHEAST WING -
WASTE-VENT

PS2.23 A

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3RD FLOOR - SOUTHEAST WING - WASTE-VENT
SCALE: 1/8" = 1'-0"

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06-May-26

NO.	DATE	DESCRIPTION
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2	04-27-26	BULLETIN #2

THIRD FLOOR PLAN -
SHARK TANK - WASTE-VENT

PS2.23 B

FLOOR PLAN LEGEND

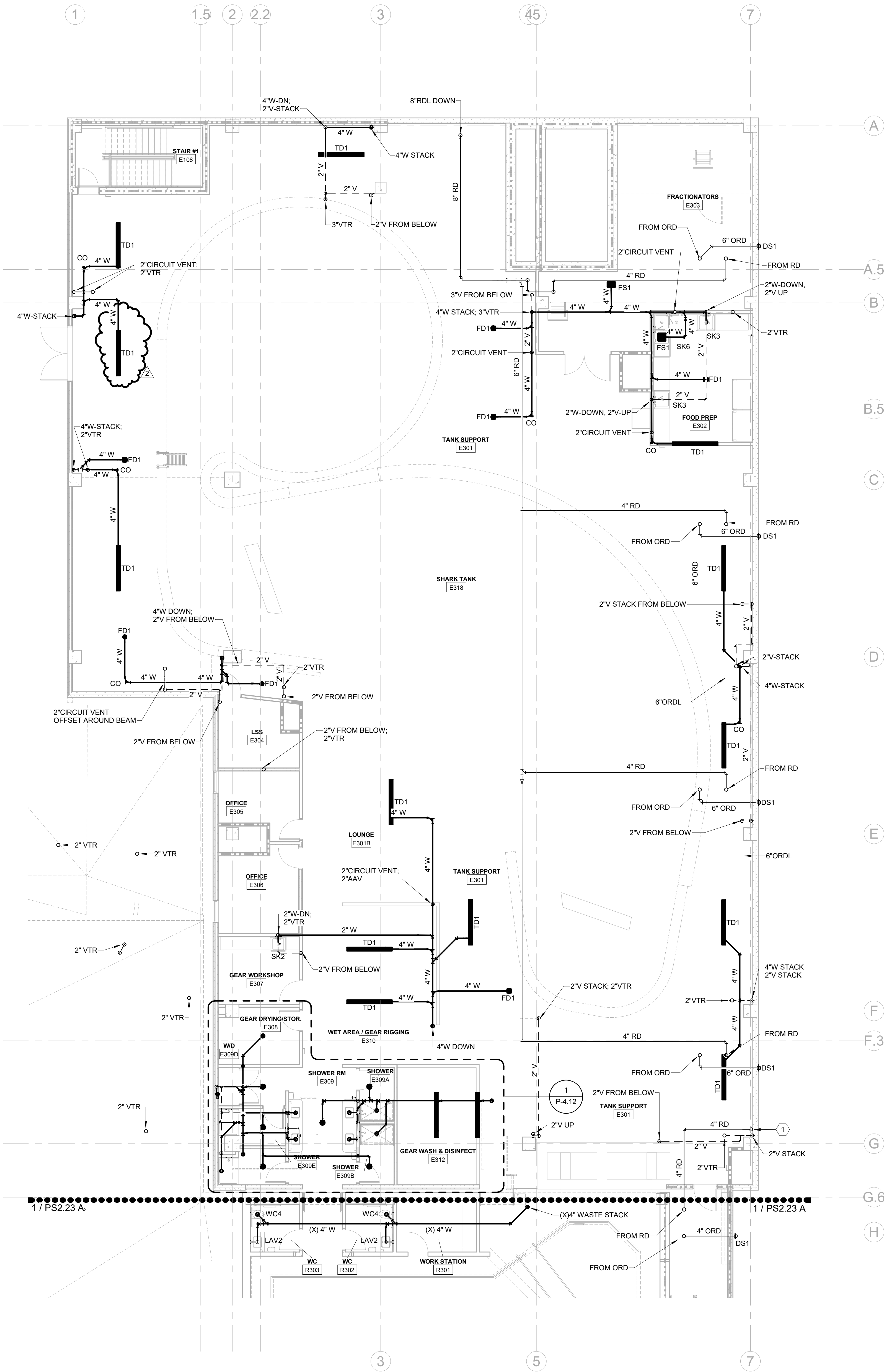
- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
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- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

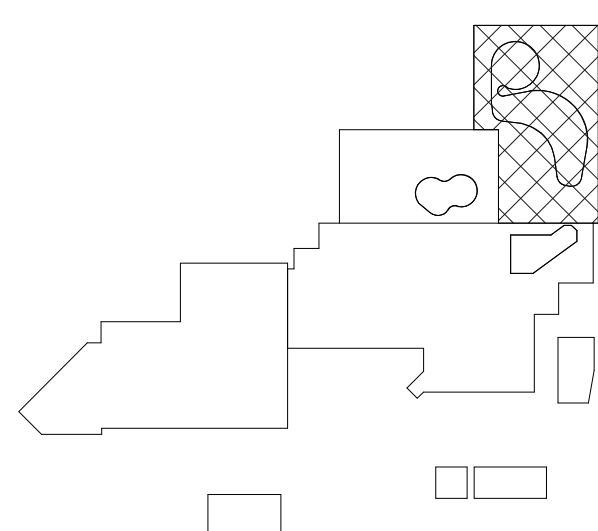
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KEYNOTES THIS SHEET

- 4" RDL DOWN. SEE SHEET PS2.22B FOR CONTINUATION



KEY PLAN



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8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

3RD FLOOR - SHARK TANK - WASTE-VENT
SCALE: 1/8" = 1'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

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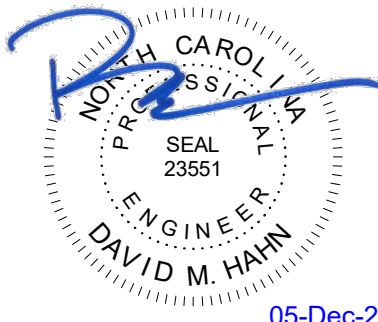
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ROOF PLAN - SHARK TANK

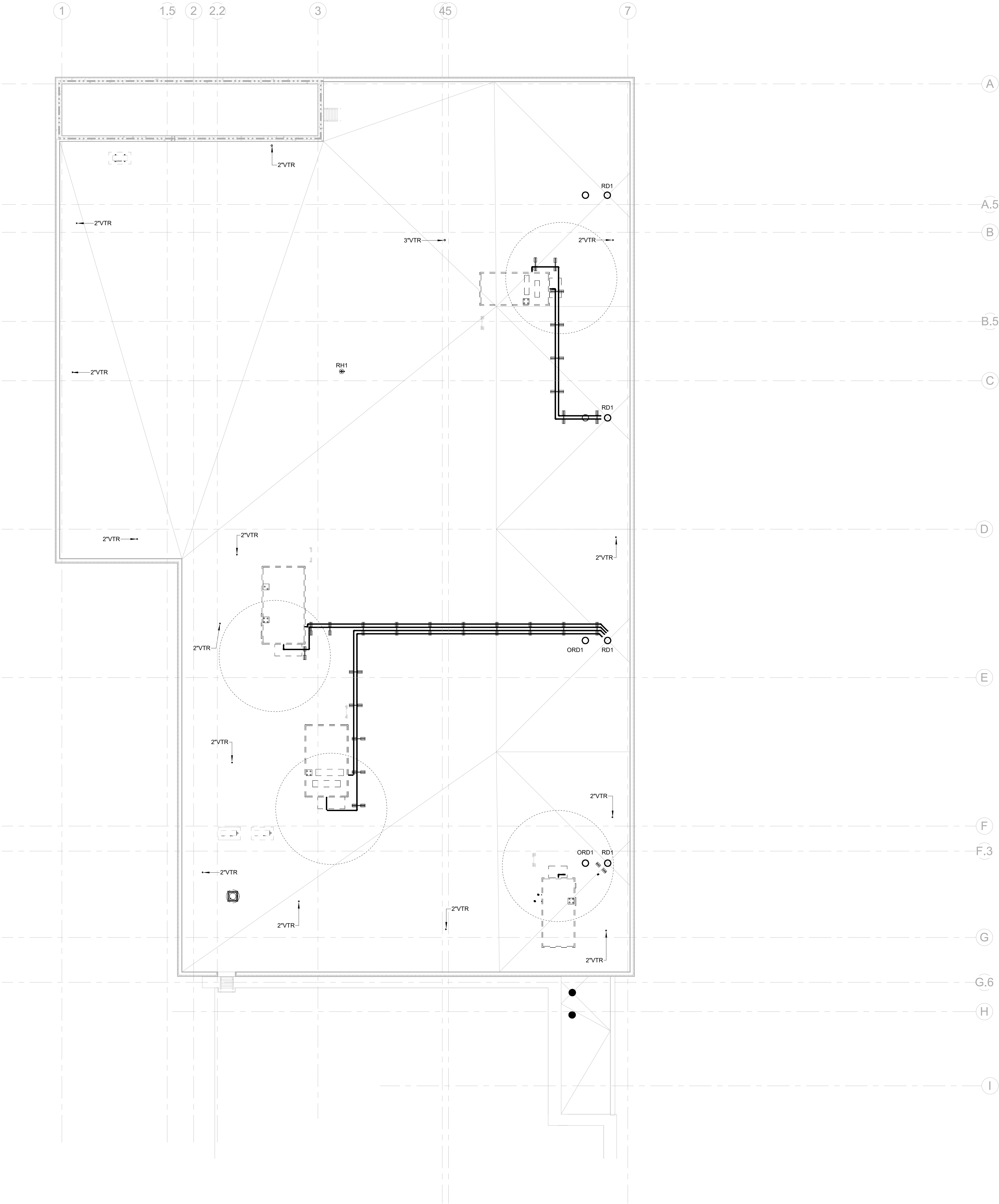
PS2.24 B

FLOOR PLAN LEGEND

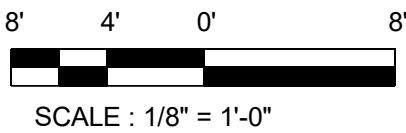
- EXISTING BUILDING
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ENLARGED SHARKTANK ROOF PLAN
SCALE: 1/8" = 1'-0"

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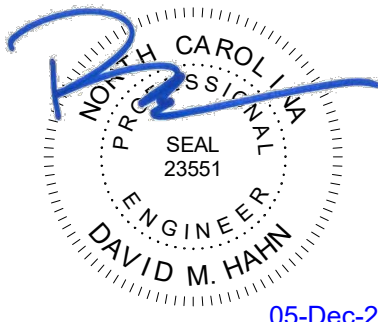
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NO.	DATE	DESCRIPTION
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FIRST FLOOR PLAN -
DOMESTIC WATER

PW2.11

FLOOR PLAN LEGEND

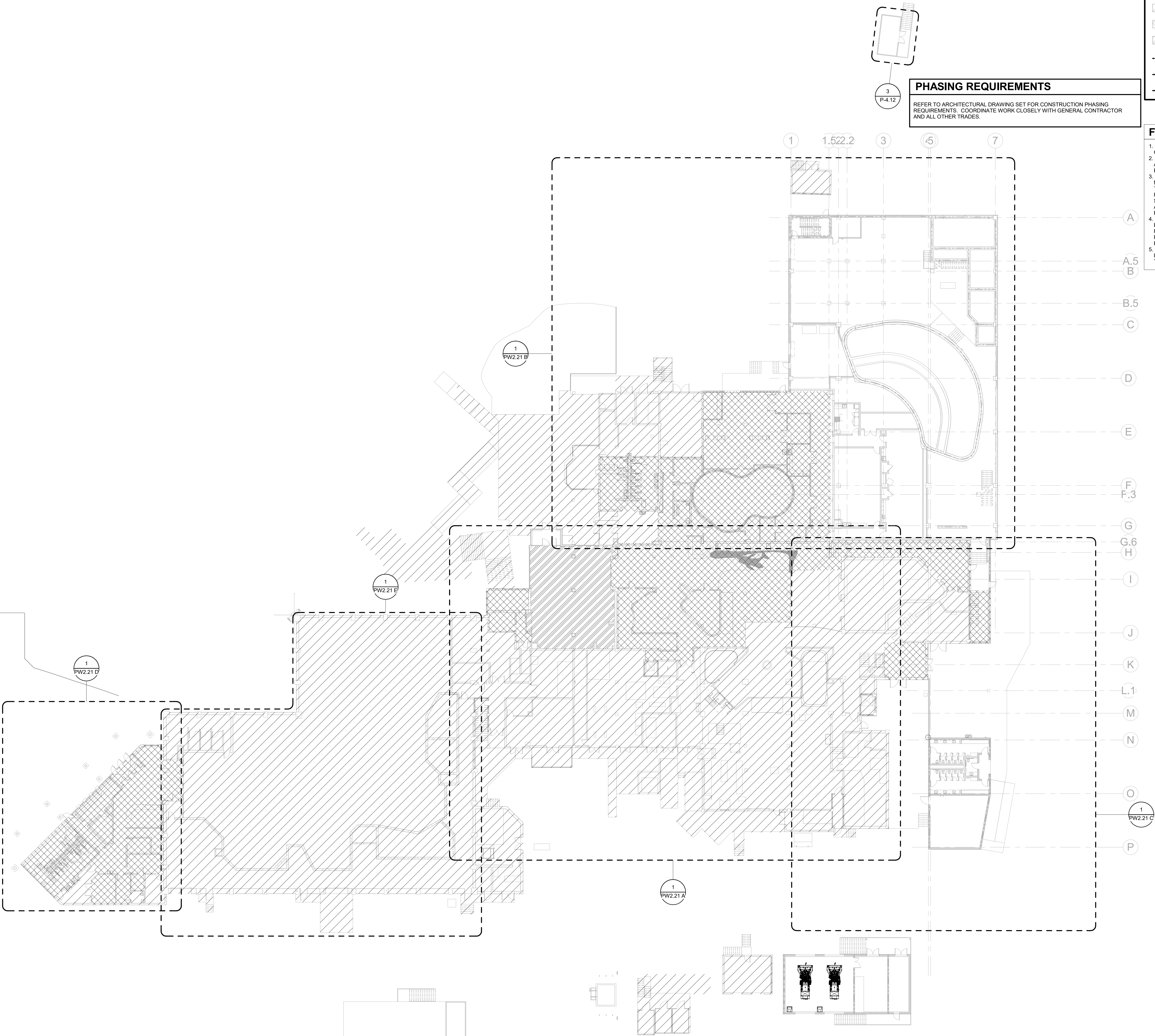
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- 3-HR RATED WALL

PHASING REQUIREMENTS

REFER TO ARCHITECTURAL DRAWING SET FOR CONSTRUCTION PHASING
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AND ALL OTHER TRADES.

FLOOR PLAN SHEET NOTES

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20' 10' 20'
SCALE: 1" = 20'-0"

OVERALL 1ST FLOOR - DOMESTIC WATER PLAN
SCALE: 1" = 20'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
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WWW.SZOSTAKDESIGN.COM
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TEL: 919.419.1199
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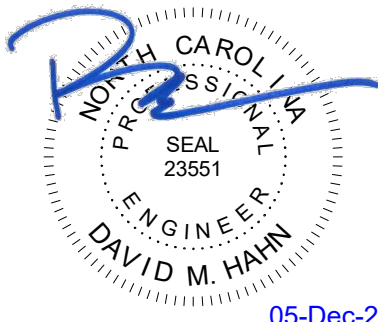
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NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

SECOND FLOOR PLAN -
DOMESTIC WATER

PW2.12

PHASING REQUIREMENTS

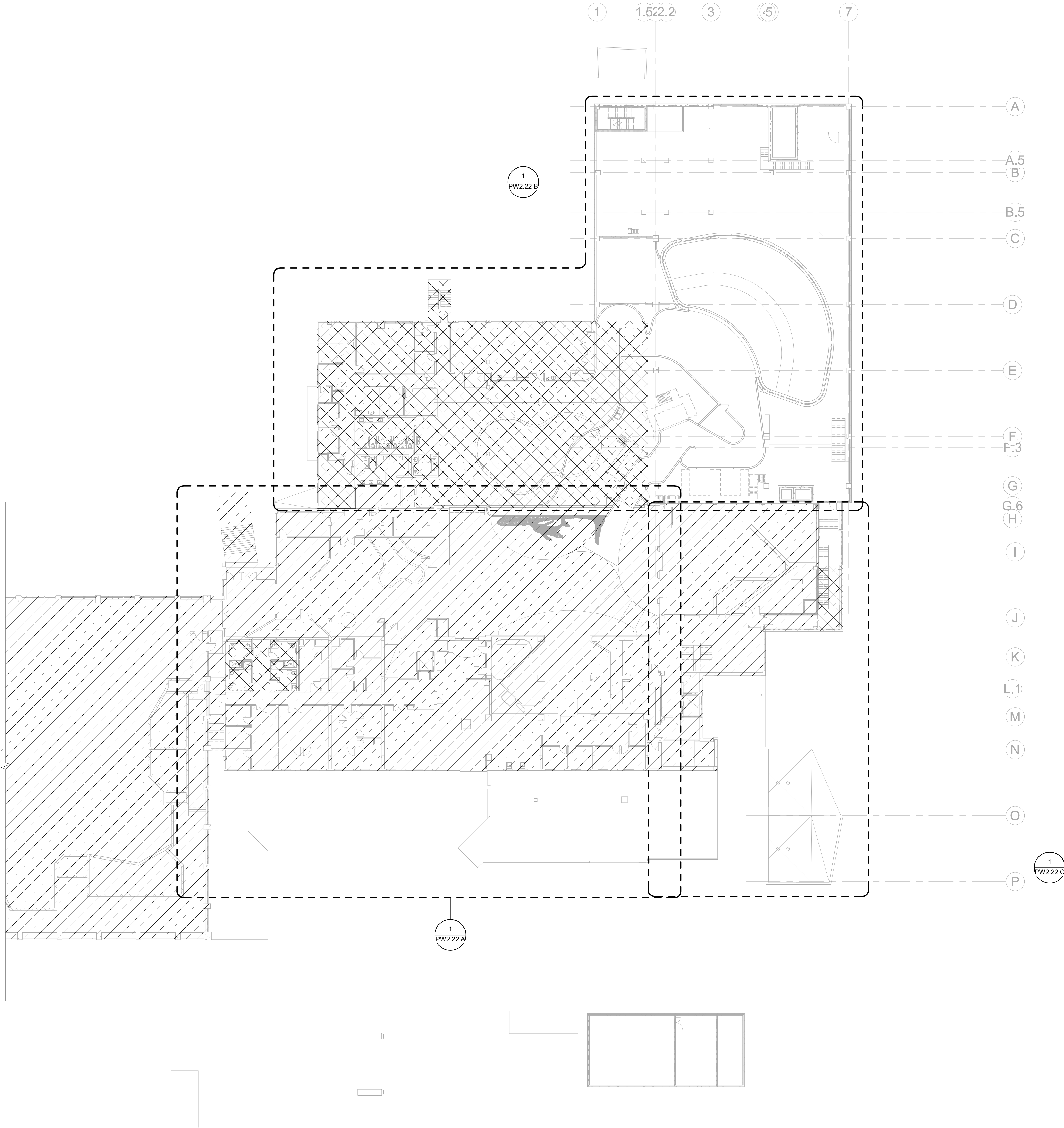
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REQUIREMENTS. COORDINATE WORK CLOSELY WITH GENERAL CONTRACTOR
AND ALL OTHER TRADES.

FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

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20' 10' 20'
SCALE: 1" = 20'-0"

OVERALL 2ND FLOOR -DOMESTIC WATER PLAN
SCALE: 1" = 20'-0"

SZOSTAK DESIGN

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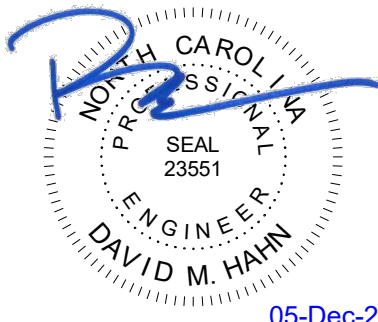
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NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

THIRD FLOOR PLAN -
DOMESTIC WATER

PW2.13

PHASING REQUIREMENTS

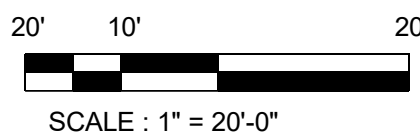
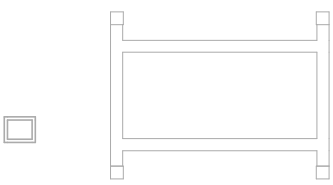
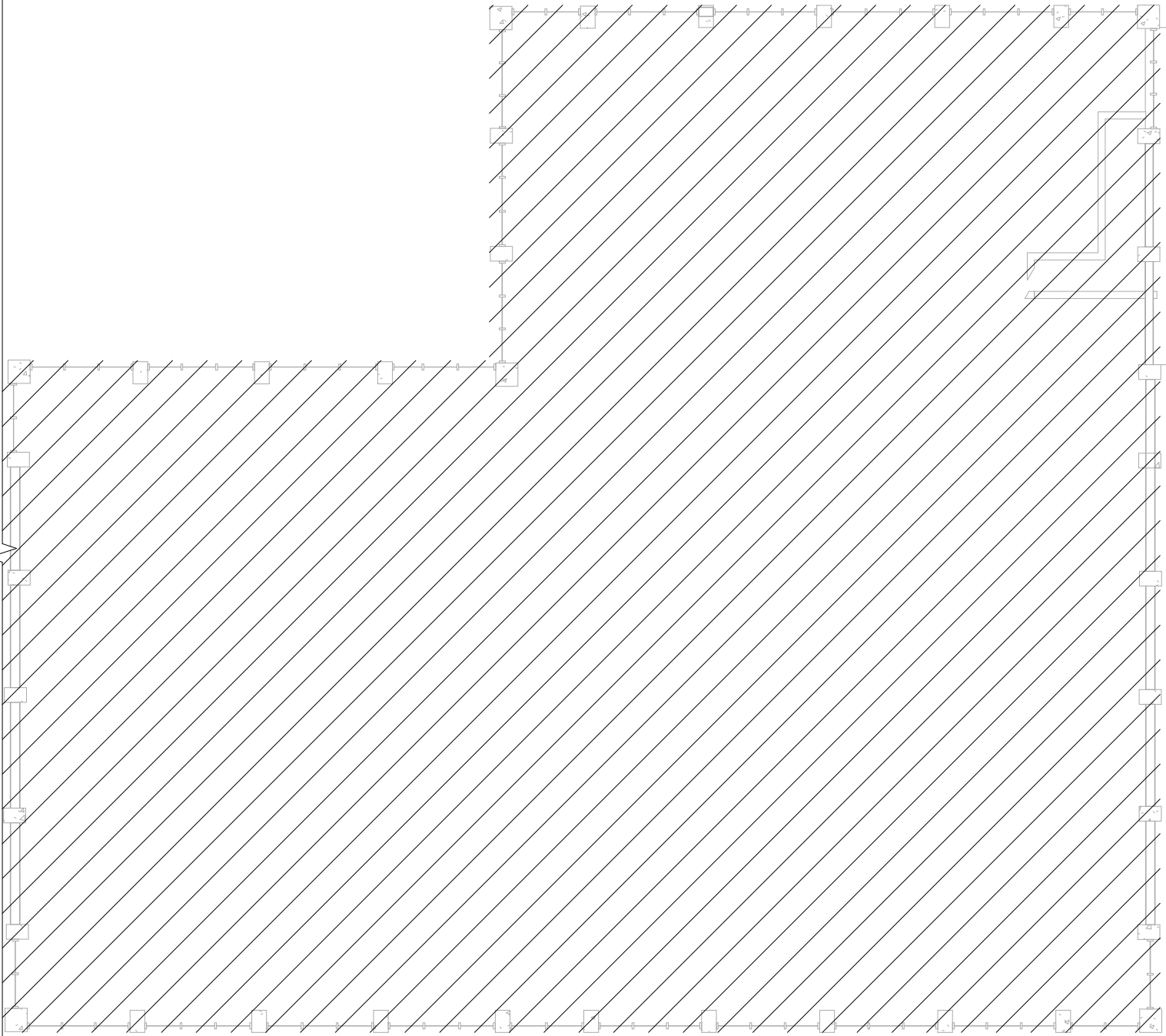
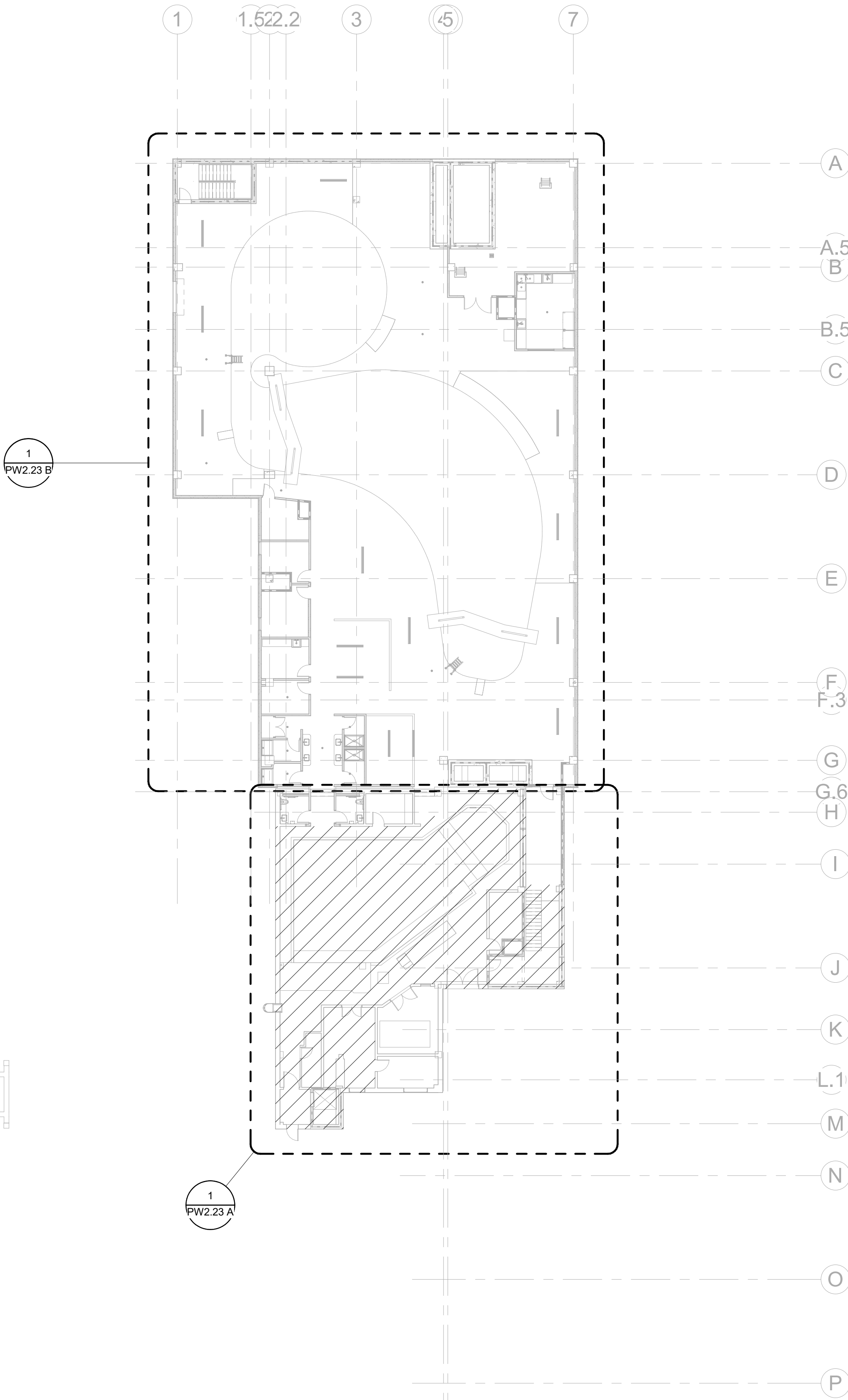
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FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

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SCALE : 1" = 20'-0"

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OVERALL 3RD FLOOR - DOMESTIC WATER PLAN

SCALE : 1" = 20'-0"

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NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

FIRST FLOOR PLAN - CAPE
FEAR SHOALS - DOMESTIC
WATER

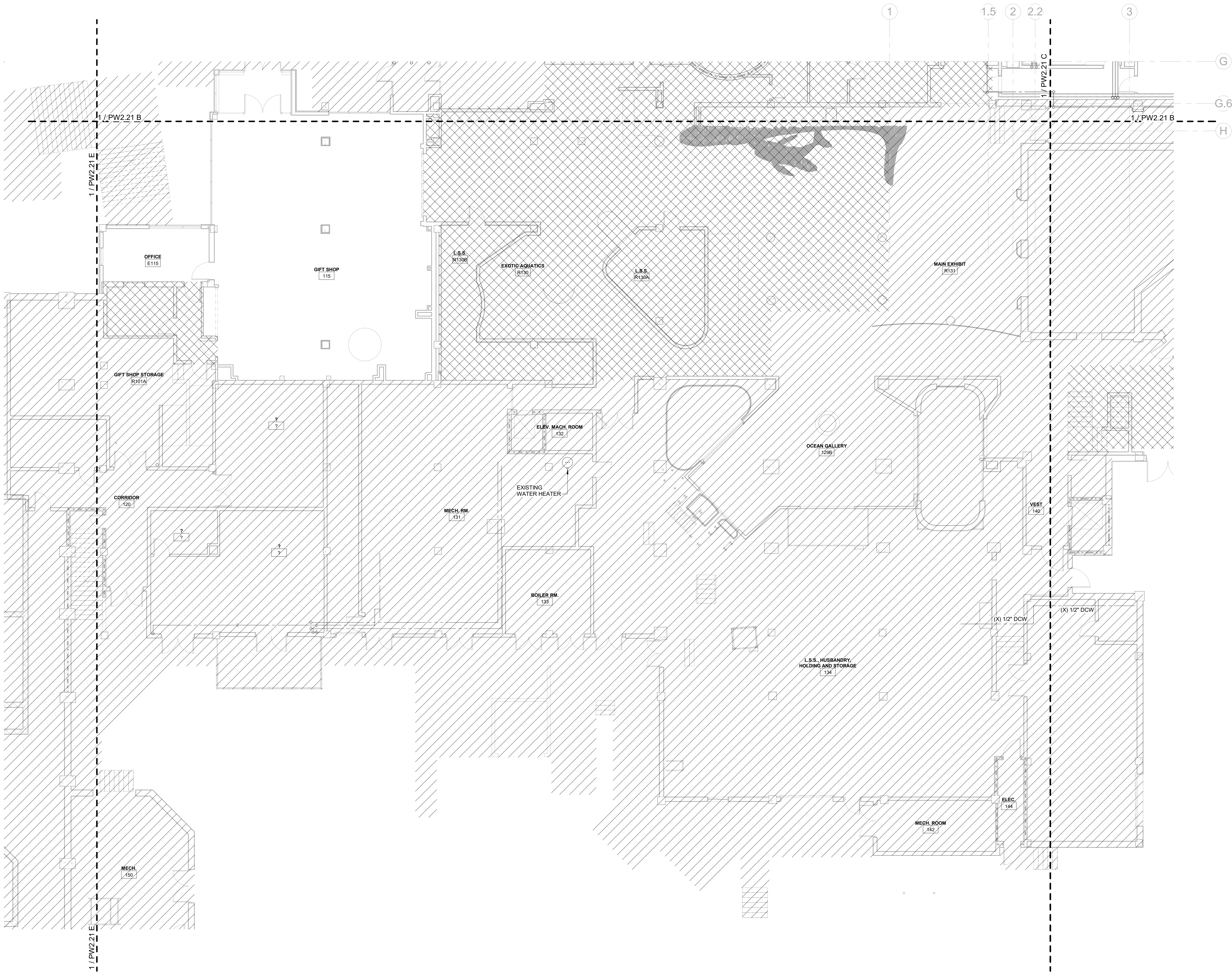
PW2.21 A

FLOOR PLAN LEGEND

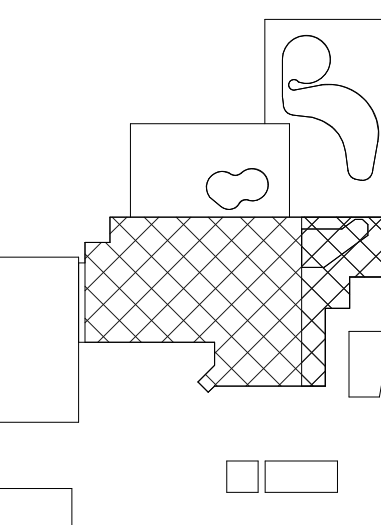
- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
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- 3-HR RATED WALL

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KEY PLAN



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8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

1ST FLOOR - CAPE FEAR SHOALS - DOMESTIC WATER
SCALE: 1/8" = 1'-0"

KEYNOTES THIS SHEET	
1	1/2" DCW TO ICE MACHINE. CONTRACTOR MUST INSTALL INLINE FILTER AND BACKFLOW PREVENTION DEVICE MEETING ASSE 1024.
2	2-1/2" DCW UP. SEE DRAWING PW2.22B FOR CONTINUATION.

1 1.5 2 2.2 3 45 7

FLOOR PLAN LEGEND	
	EXISTING BUILDING
	RENOVATED AREA
	UPFIT BY OTHERS
	1-HR RATED WALL
	2-HR RATED WALL
	3-HR RATED WALL

FLOOR PLAN SHEET NOTES	
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SZOSTAK DESIGN

FORT FISHER AQUARIUM RENOVATION & EXPANSION: PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

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LICENSE # C-3506

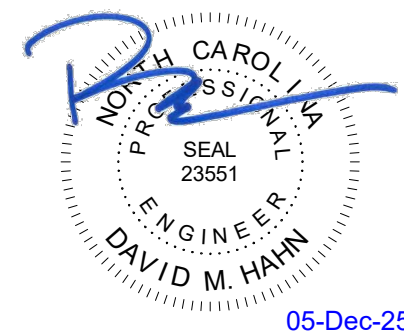
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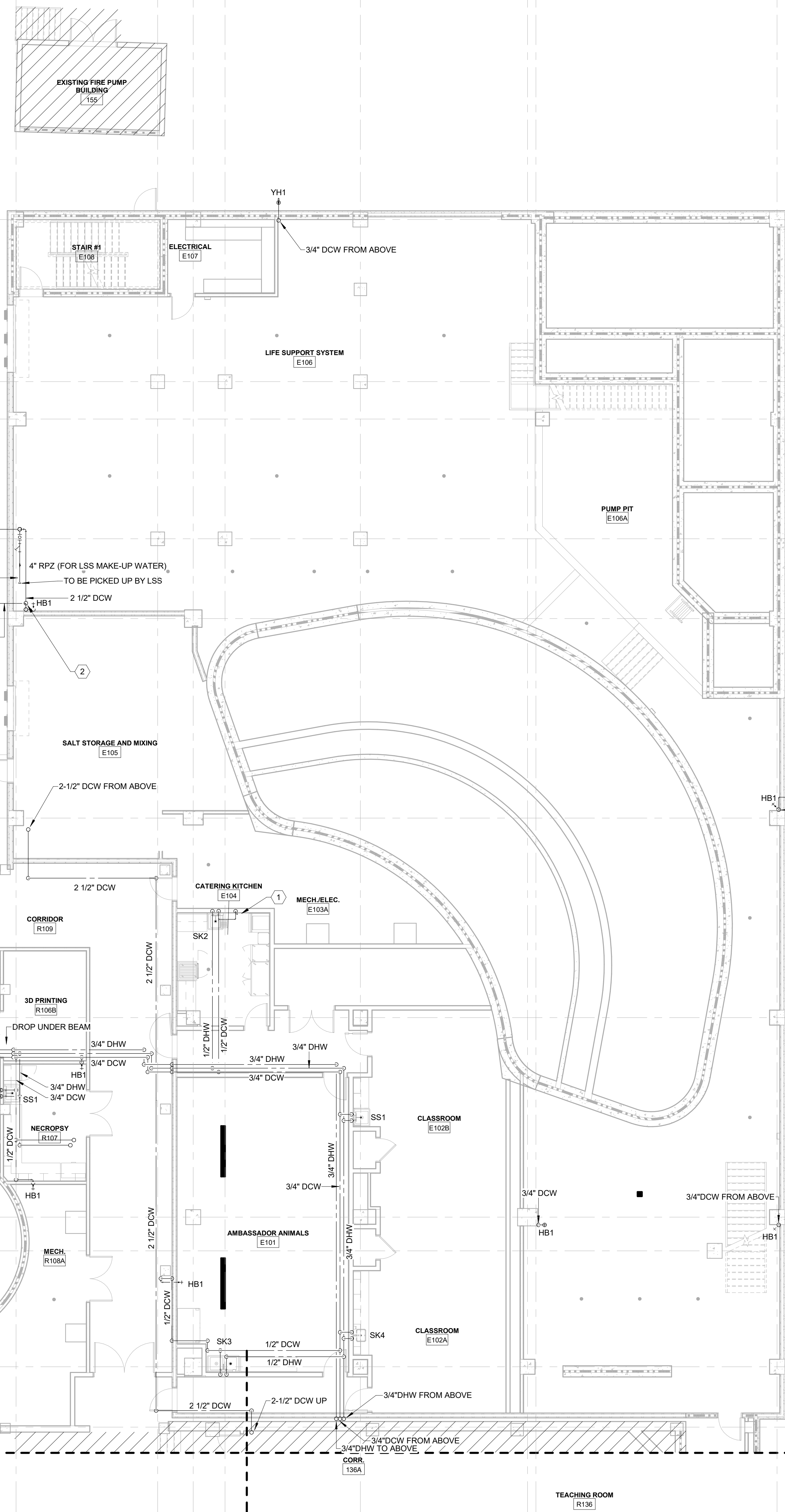
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FIRST FLOOR PLAN - TOUCH AND SHARK TANK - DOMESTIC WATER

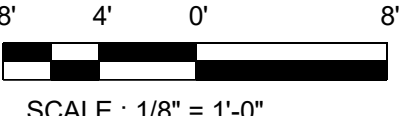
PW2.21 B



KEY PLAN

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1ST FLOOR - TOUCH AND SHARK TANK - DOMESTIC WATER
SCALE: 1/8" = 1'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE I

SCO #17-18042-02A
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ITEM: 41414-4Y4A

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Contract Documents govern. Users must
independently verify all information. The
Engineer assumes no responsibility or
liability for any reliance, costs, claims, or
actions arising from use of this material.



06-May-26

NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION
2	04-27-26	BULLETIN #2

FIRST FLOOR PLAN -
SOUTHEAST WING -
DOMESTIC WATER

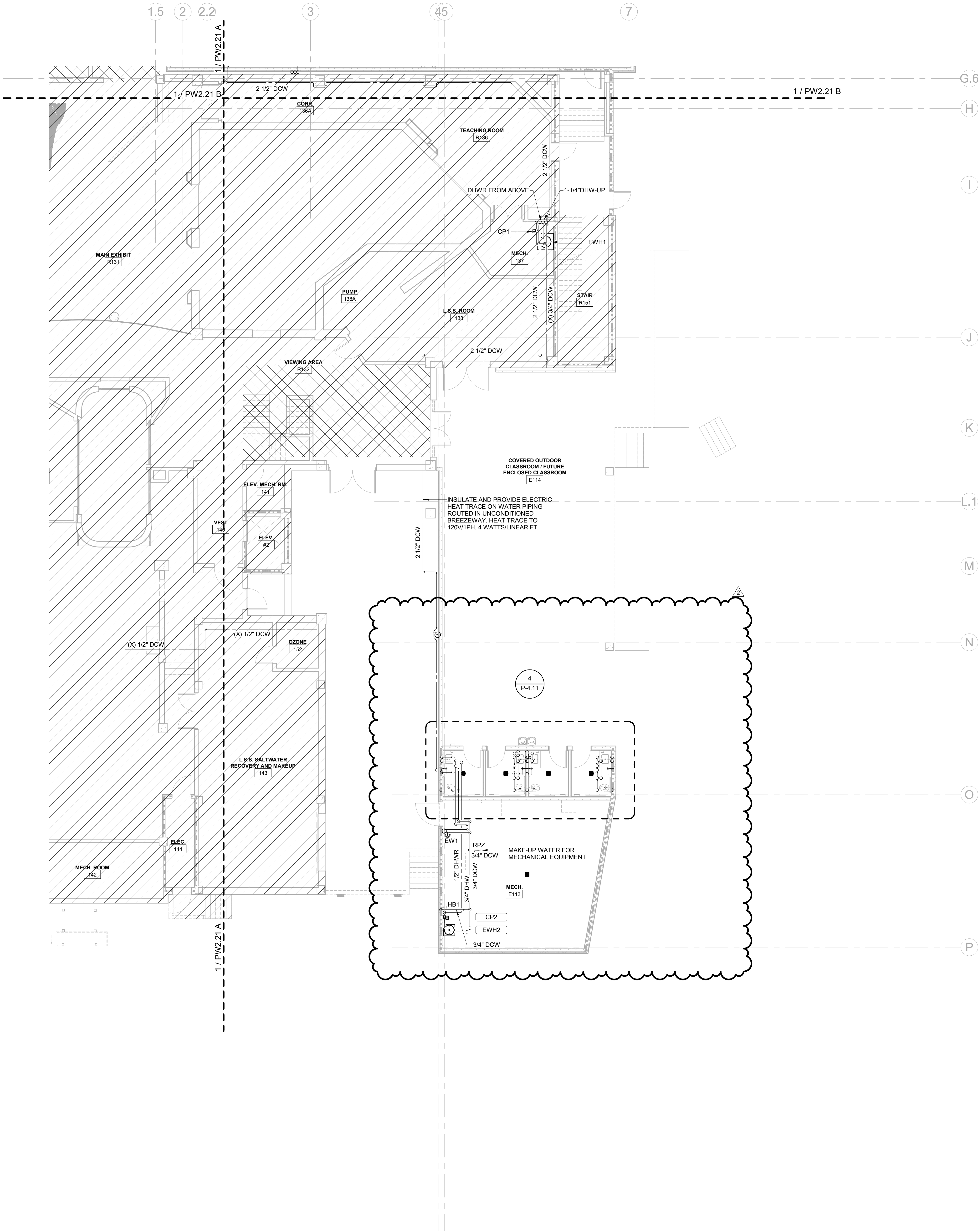
PW2.21 C

FLOOR PLAN LEGEND

- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

1. PLUMBING CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
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8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

1ST FLOOR - SOUTHEAST WING - DOMESTIC WATER
SCALE: 1/8" = 1'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
KURE BEACH, NC 28449

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WWW.SZOSTAKDESIGN.COM
LICENSE # 31079

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WWW.TJPEENGINEERING.COM
LICENSE # C-3505

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TEL: 919.419.1199
FAX: 919.419.1689
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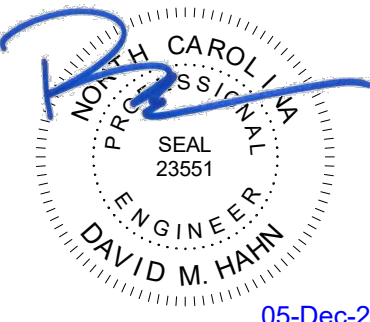
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NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

FIRST FLOOR PLAN - MAIN
ENTRY & MECH BLDG -
DOMESTIC WATER

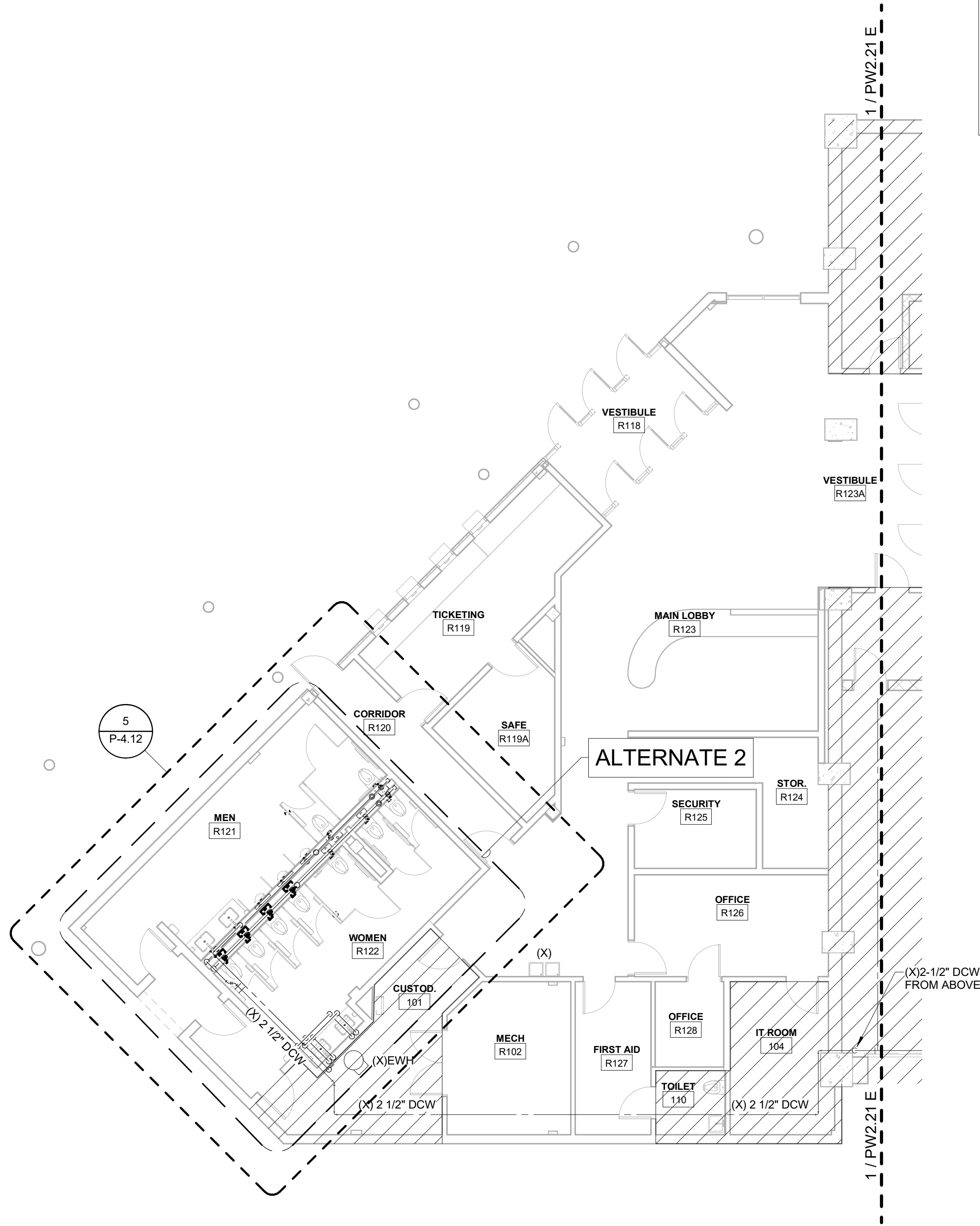
PW2.21 D

FLOOR PLAN LEGEND

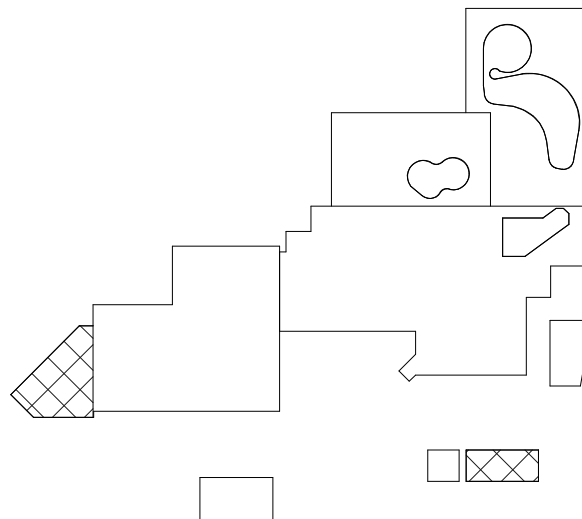
	EXISTING BUILDING
	RENOVATED AREA
	UPFIT BY OTHERS
	1-HR RATED WALL
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	3-HR RATED WALL

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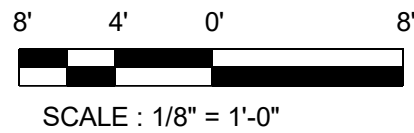


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SCALE: 1/8" = 1'-0"



1ST FLOOR - MAIN ENTRY - DOMESTIC WATER

SCALE: 1/8" = 1'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
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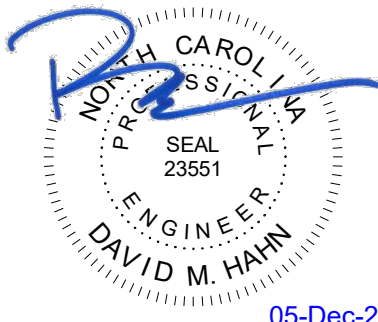
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NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

FIRST FLOOR PLAN -
FRESHWATER HABITAT -
DOMESTIC WATER

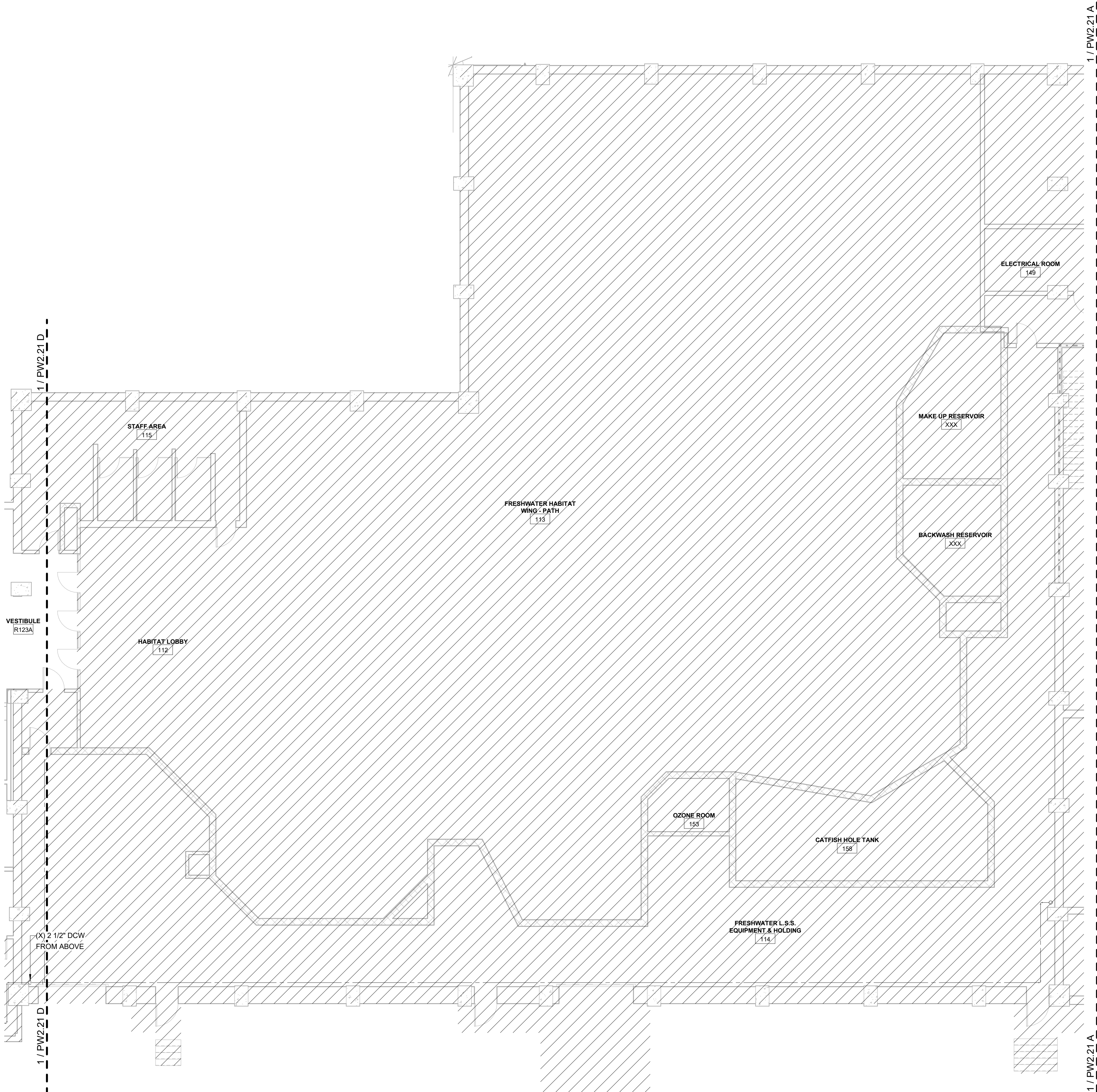
PW2.21 E

FLOOR PLAN LEGEND

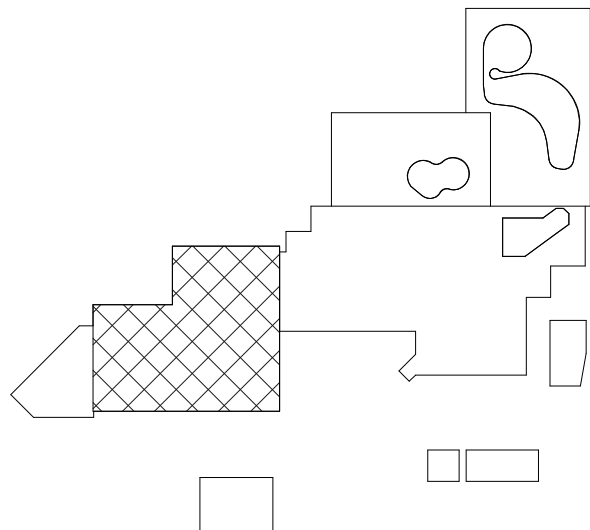
- EXISTING BUILDING
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- UPFIT BY OTHERS
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FLOOR PLAN SHEET NOTES

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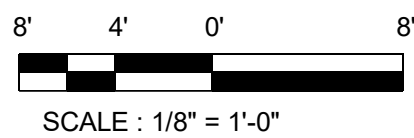


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SCALE: 1/8" = 1'-0"



1ST FLOOR - FRESHWATER HABITAT - DOMESTIC WATER

SCALE: 1/8" = 1'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE I

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

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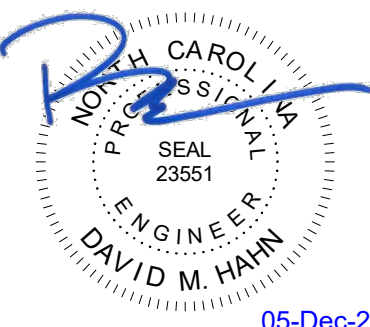
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NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

SECOND FLOOR PLAN -
CAPE FEAR SHOALS -
DOMESTIC WATER

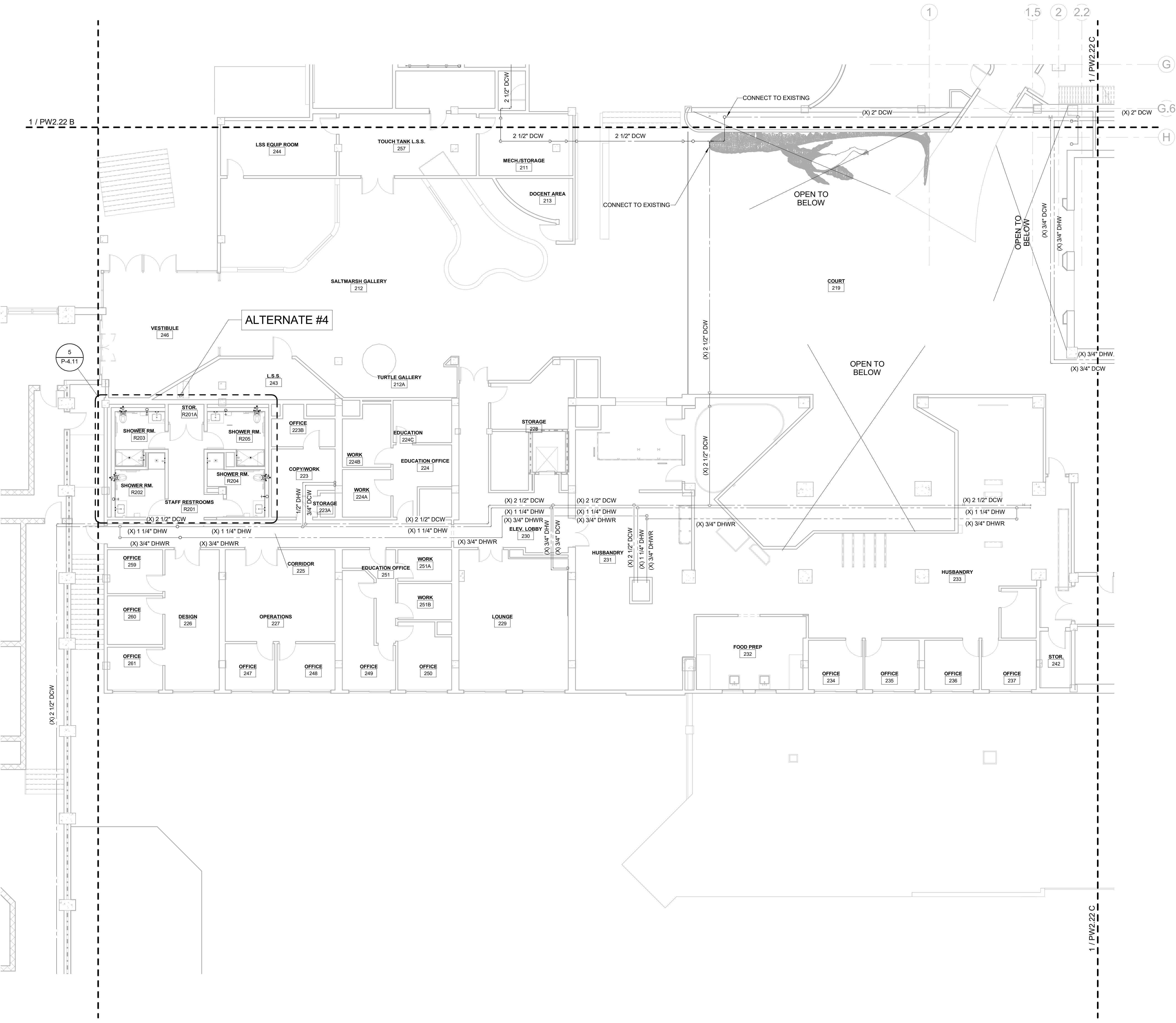
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FLOOR PLAN LEGEND

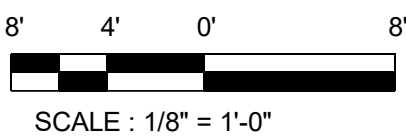
- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
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- 3-HR RATED WALL

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KEY PLAN



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2ND FLOOR - CAPE FEAR SHOALS - DOMESTIC WATER
SCALE: 1/8" = 1'-0"

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

SCO #17-18042-02A
CODE: 42014-4G02
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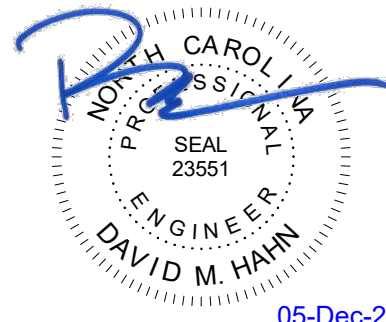
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NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

SECOND FLOOR PLAN -
TOUCH AND SHARK TANK -
DOMESTIC WATER

PW2.22 B

FLOOR PLAN LEGEND

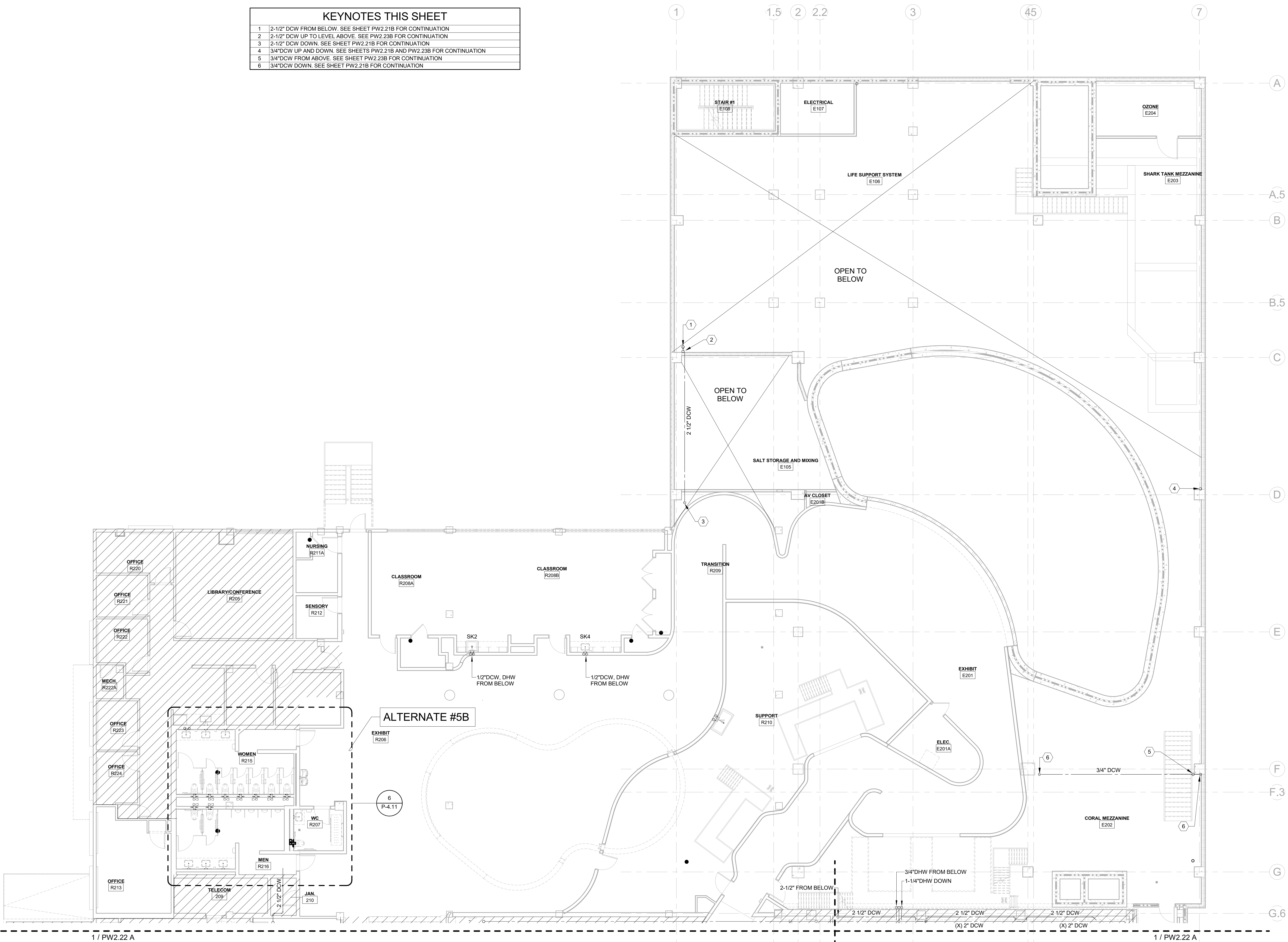
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- 1-HR RATED WALL
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FLOOR PLAN SHEET NOTES

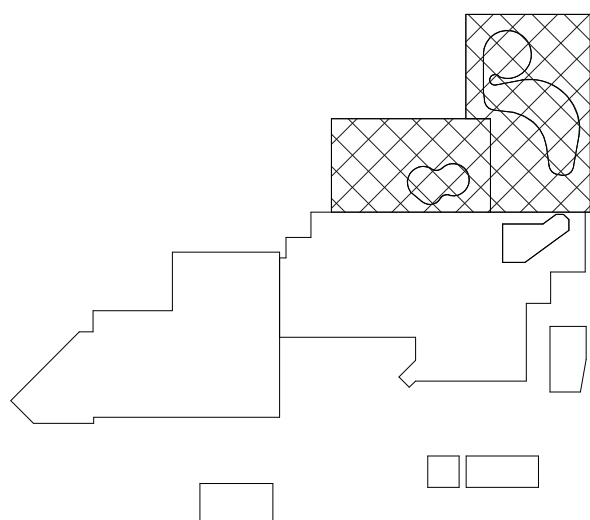
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KEYNOTES THIS SHEET

- | | |
|---|---|
| 1 | 2-1/2" DCW FROM BELOW. SEE SHEET PW2.21B FOR CONTINUATION |
| 2 | 2-1/2" DCW UP TO LEVEL ABOVE. SEE PW2.23B FOR CONTINUATION |
| 3 | 2-1/2" DCW DOWN. SEE SHEET PW2.21B FOR CONTINUATION |
| 4 | 3/4" DCW UP AND DOWN. SEE SHEETS PW2.21B AND PW2.23B FOR CONTINUATION |
| 5 | 3/4" DCW FROM ABOVE. SEE SHEET PW2.23B FOR CONTINUATION |
| 6 | 3/4" DCW DOWN. SEE SHEET PW2.21B FOR CONTINUATION |



KEY PLAN

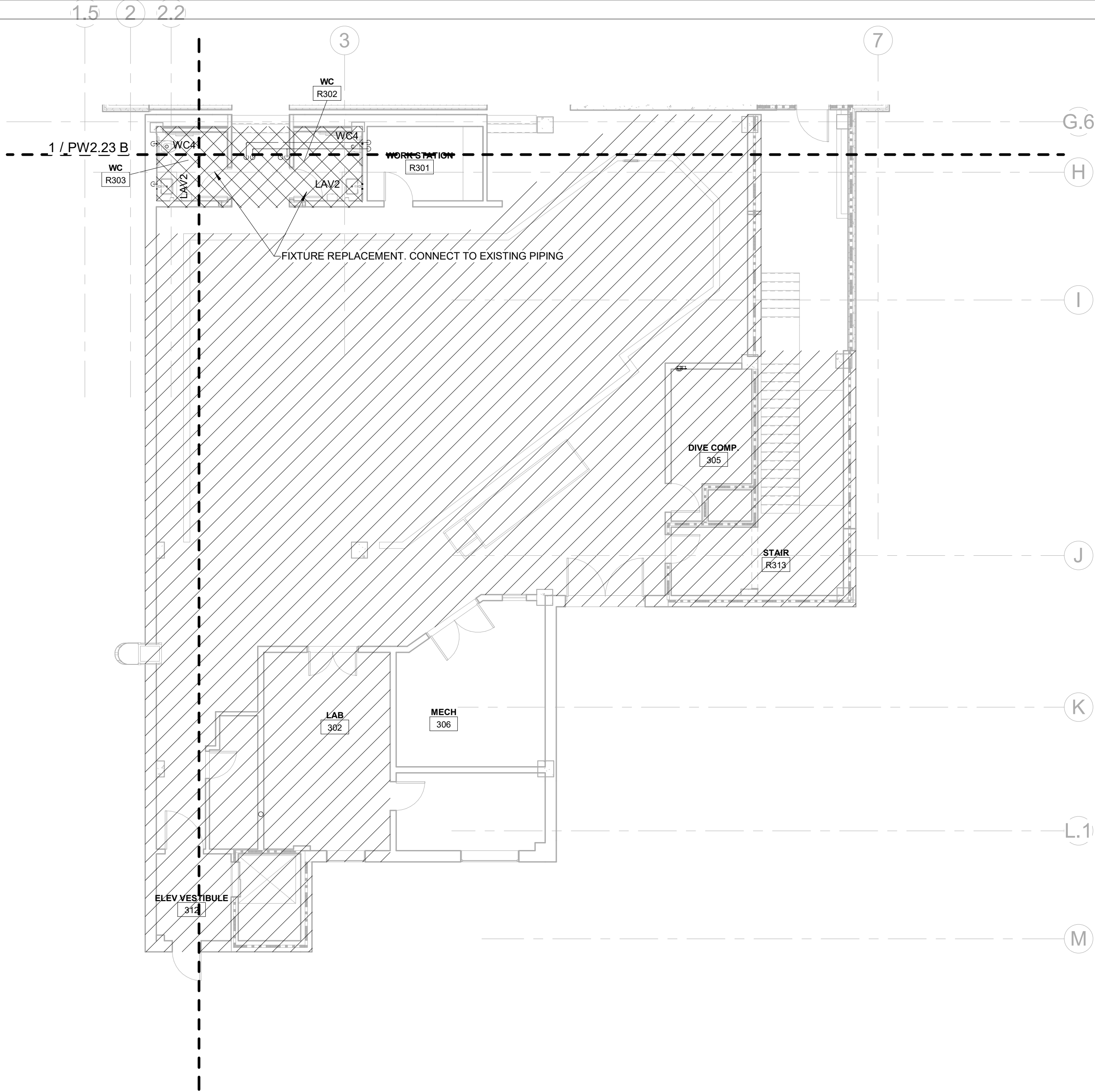


8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

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2ND FLOOR - TOUCH AND SHARK TANK - DOMESTIC WATER
SCALE: 1/8" = 1'-0"



FLOOR PLAN LEGEND	
	EXISTING BUILDING
	RENOVATED AREA
	UPFIT BY OTHERS
	1-HR RATED WALL
	2-HR RATED WALL
	3-HR RATED WALL

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SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE I

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
KURE BEACH, NC 28449

NORTH CAROLINA DEPT. OF
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FAX: 919.419.1689
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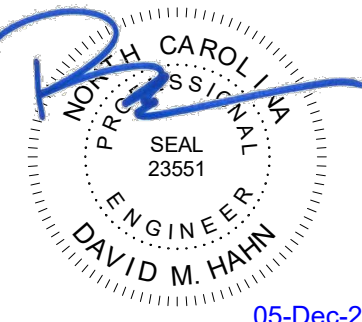
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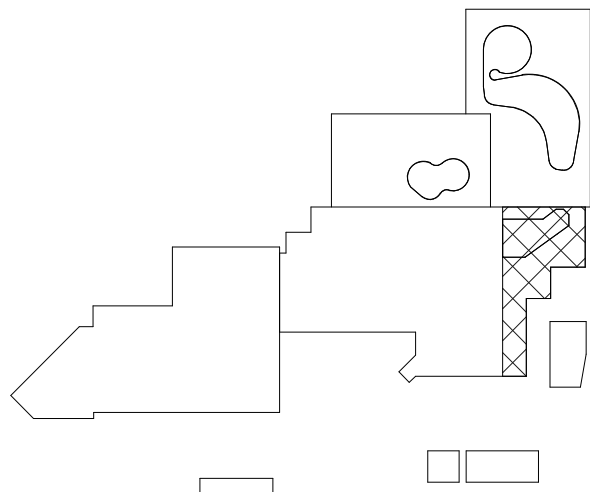


NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION

THIRD FLOOR PLAN -
SOUTHEAST WING -
DOMESTIC WATER

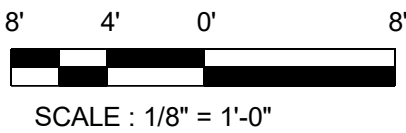
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KEY PLAN

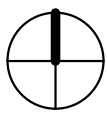


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SCALE: 1/8" = 1'-0"



3RD FLOOR - SOUTHEAST WING - DOMESTIC WATER

SCALE: 1/8" = 1'-0"

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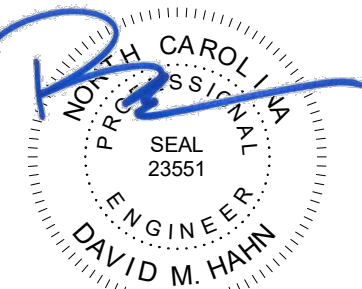
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THIRD FLOOR PLAN -
SHARK TANK - DOMESTIC
WATER

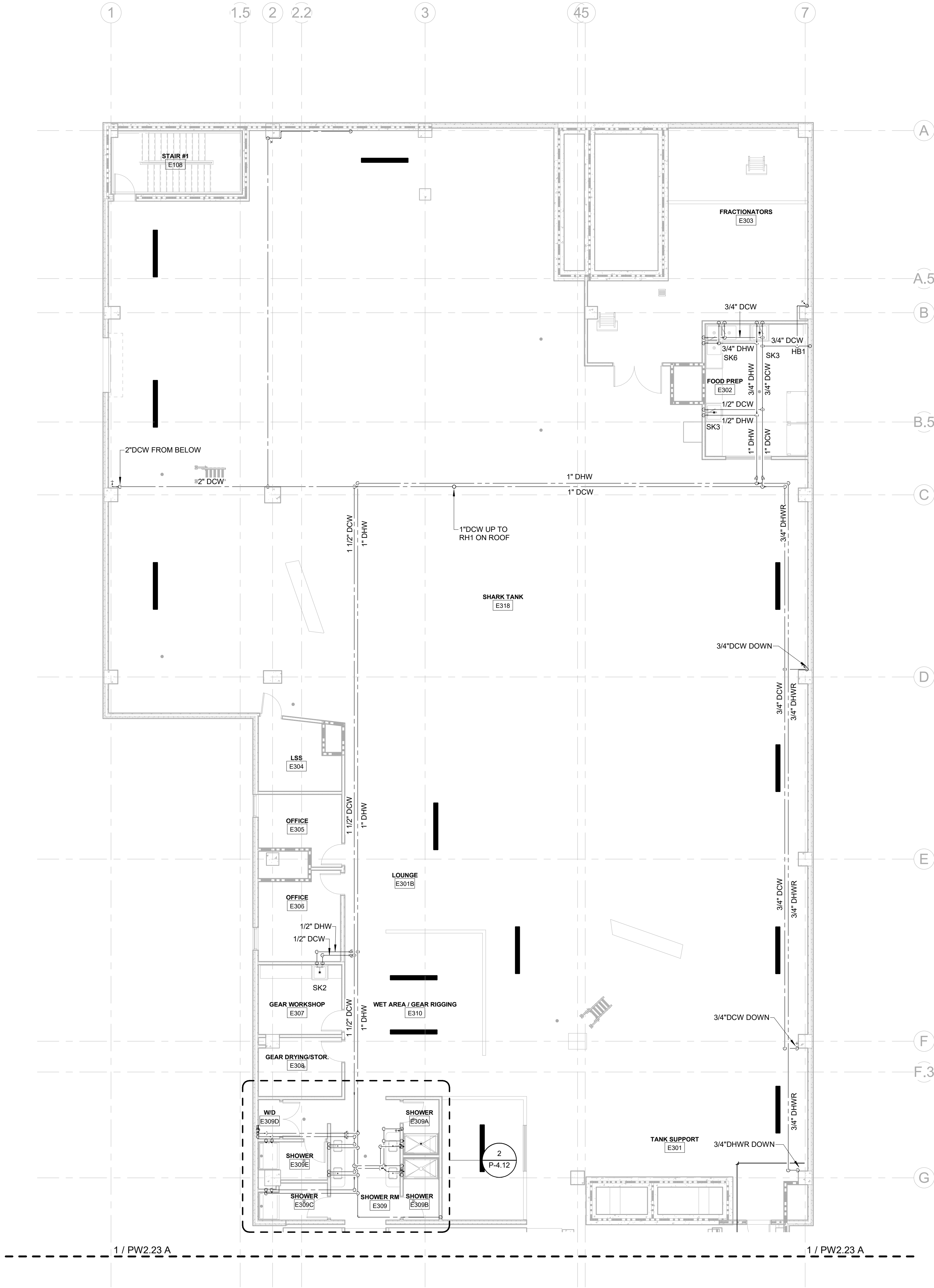
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FLOOR PLAN LEGEND

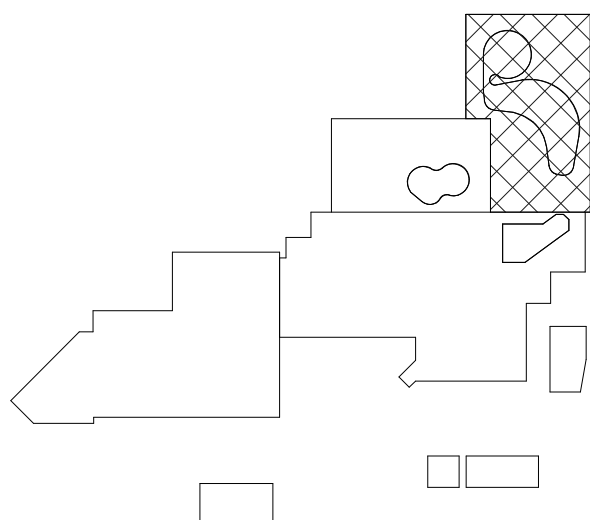
- EXISTING BUILDING
- RENOVATED AREA
- UPFIT BY OTHERS
- 1-HR RATED WALL
- 2-HR RATED WALL
- 3-HR RATED WALL

FLOOR PLAN SHEET NOTES

- PLUMBING CONTRACTOR TO COORDINATE WITH OTHER TRADES PRIOR TO BEGINNING WORK.
- REFER TO ARCHITECTURAL DRAWINGS FOR RATED ASSEMBLY UL NUMBERS (WALLS, FLOOR / CEILING, ETC.)
- DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND MAY NOT COMPLETELY DESCRIBE EVERY DETAIL OF THE INSTALLATION. HOWEVER, CONTRACTOR IS RESPONSIBLE FOR FURNISHING COMPLETE SYSTEMS INCLUDING ALL REQUIRED EQUIPMENT AND ACCESSORIES TO OBTAIN FULLY FUNCTIONING PLUMBING SYSTEMS.
- EQUIPMENT LOCATIONS: DETERMINE EXACT EQUIPMENT AND MATERIALS LOCATIONS TO PROVIDE BEST ARRANGEMENT AND TO FACILITATE PROPER MAINTENANCE AND SERVICING OF EQUIPMENT.
- LISTING AND LABELING: ALL EQUIPMENT SHALL BE LABELED OR LISTED BY UL OR OTHER APPROVED TESTING AGENCY WHERE REQUIRED.



KEY PLAN



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8' 4' 0' 8'
SCALE: 1/8" = 1'-0"

3RD FLOOR - SHARK TANK - DOMESTIC WATER
SCALE: 1/8" = 1'-0"

KEYNOTES THIS SHEET	
1	INSTALL SHUTOFF VALVE IN WALL WITH WALL MOUNTED ACCESS HATCH
2	HAMMER ARRESTOR, P.D.I. SIZE "D"
3	HAMMER ARRESTOR, P.D.I. SIZE "A"
4	2-1/2" DCW FROM BELOW
5	HAMMER ARRESTOR, P.D.I. SIZE "B"
6	INSTALL BRANCH VALVE ABOVE CEILING
7	TRAP PRIMER VALVE

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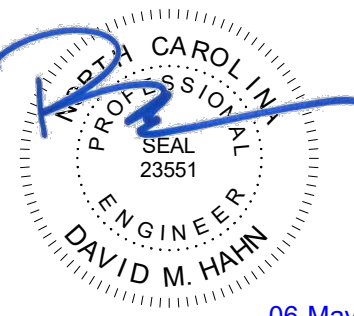
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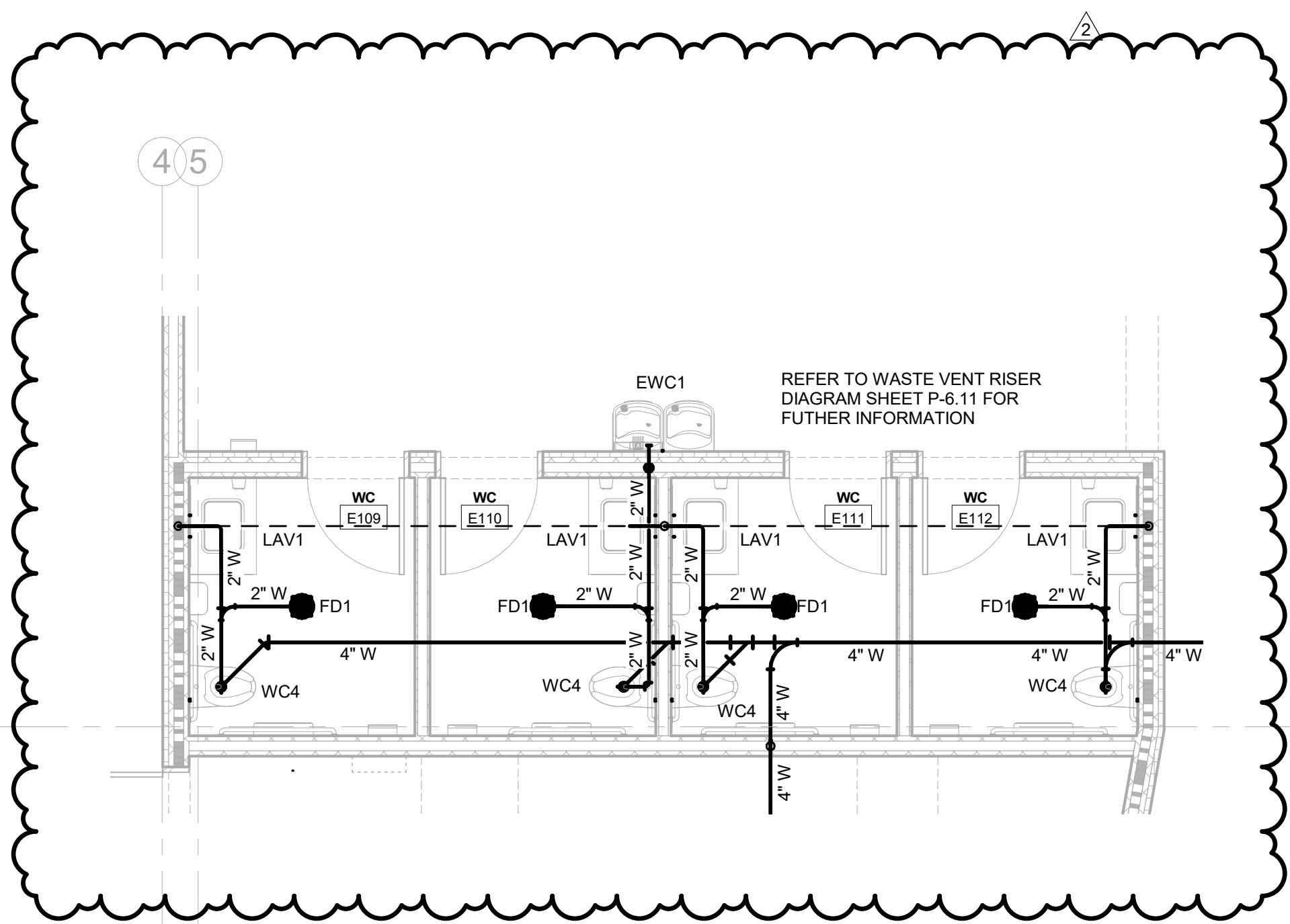
NO.	DATE	DESCRIPTION
-	12-5-25	FOR CONSTRUCTION
2	04-27-26	BULLETIN #2

ENLARGED PLANS

P-4.11

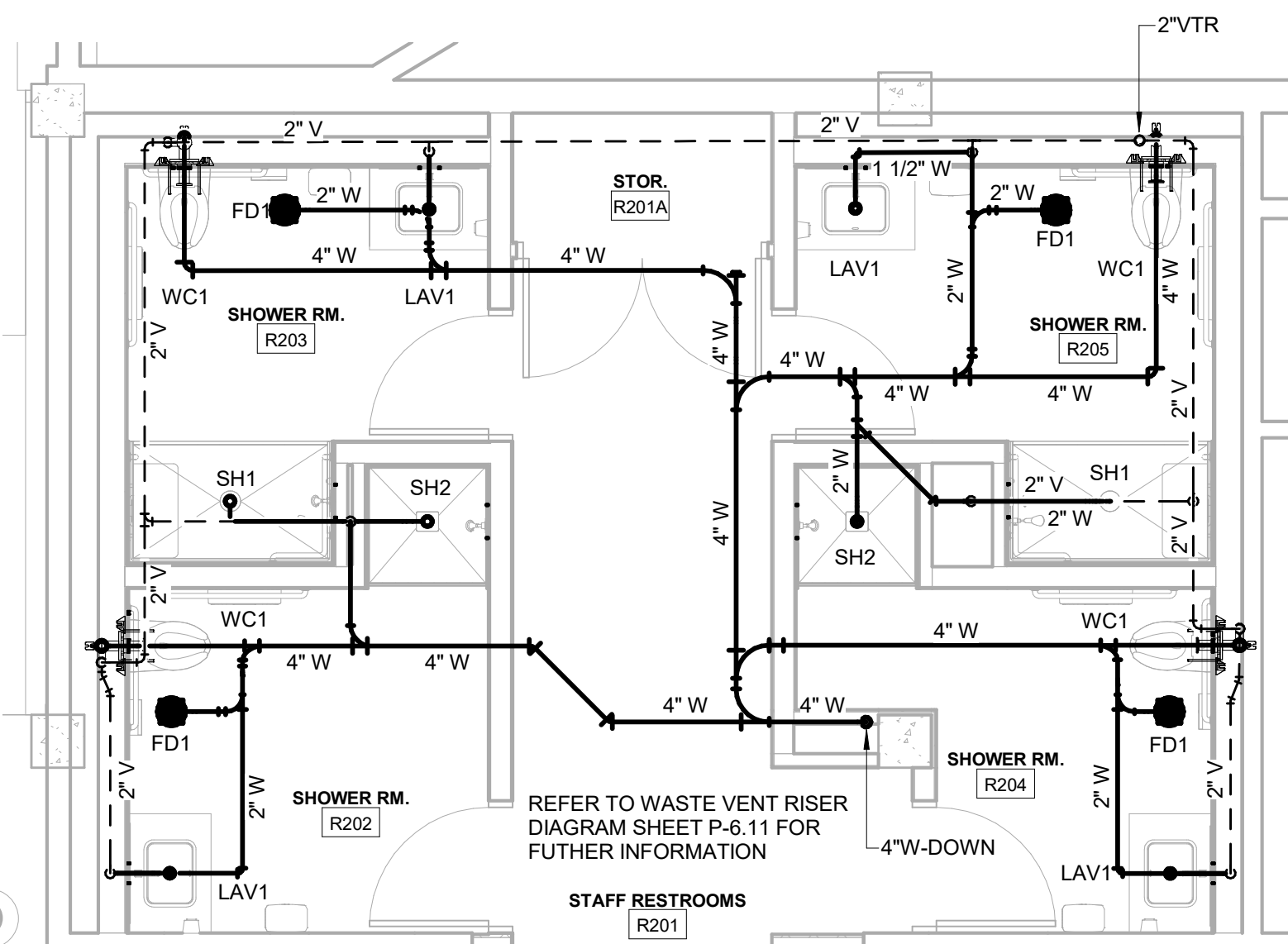
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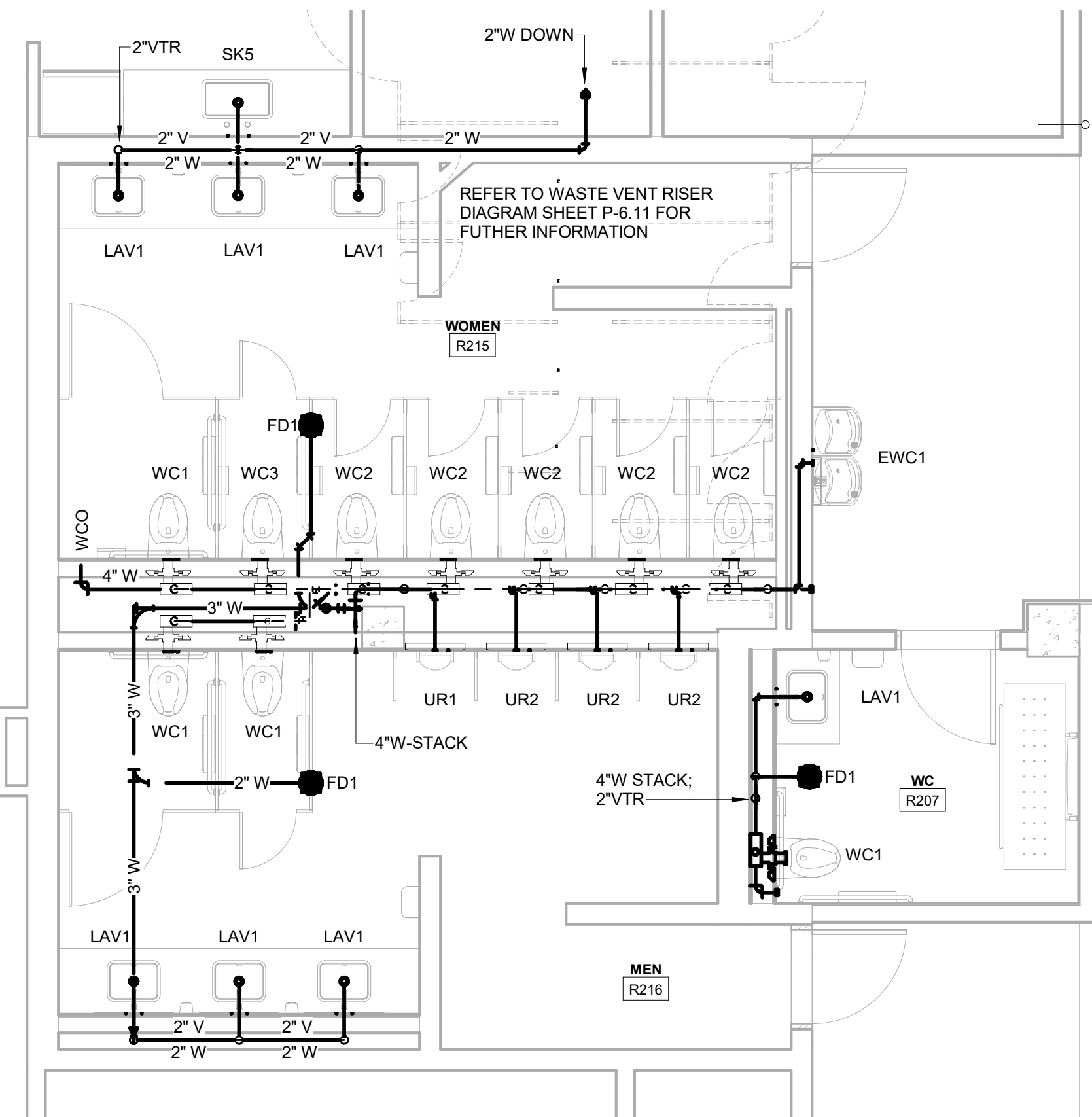
TOILETS E111/E112 ENLARGED WASTE-VENT PLAN
SCALE: 1/4" = 1'-0"

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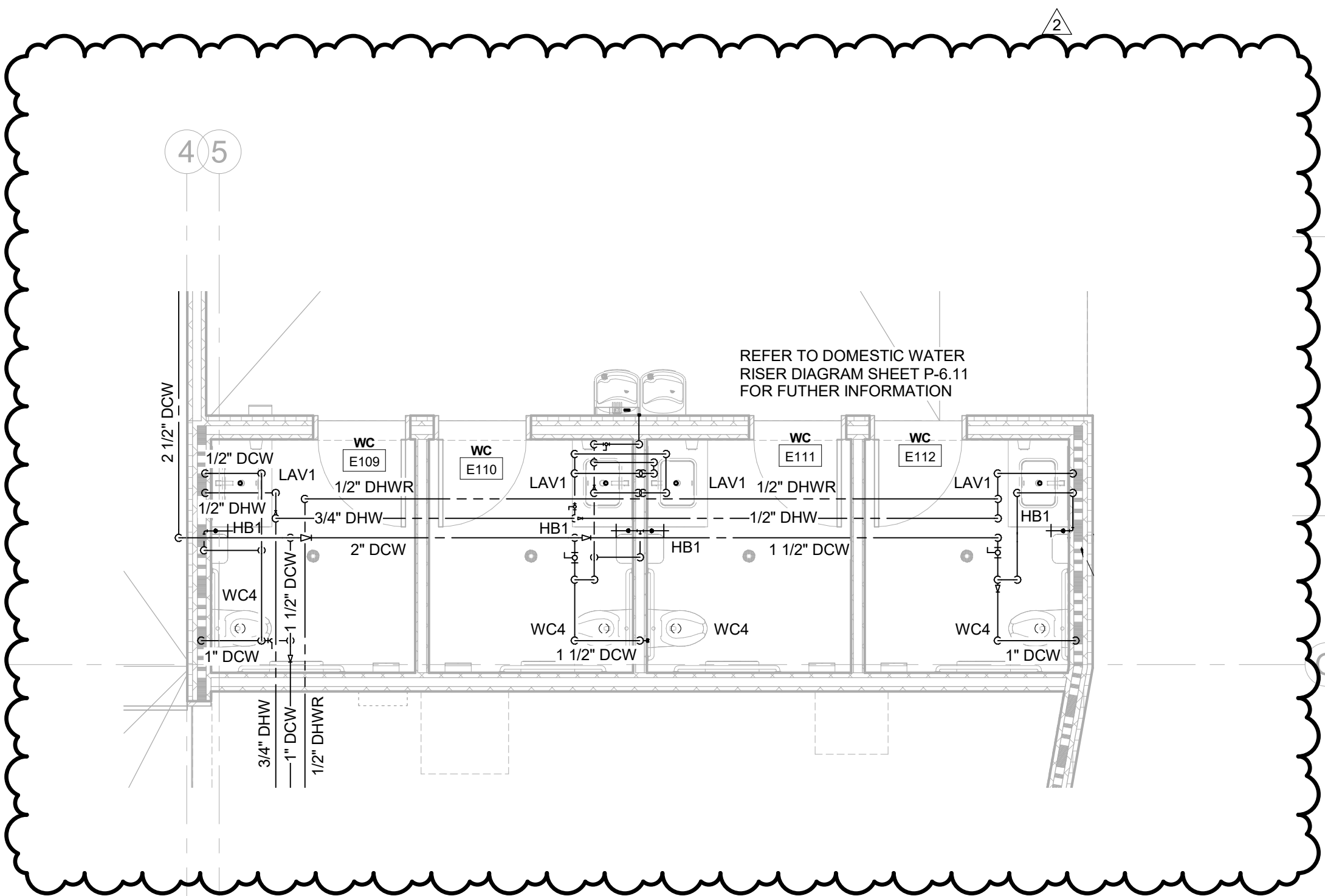
TOILETS R201 ENLARGED WASTE-VENT PLAN
SCALE: 1/4" = 1'-0"

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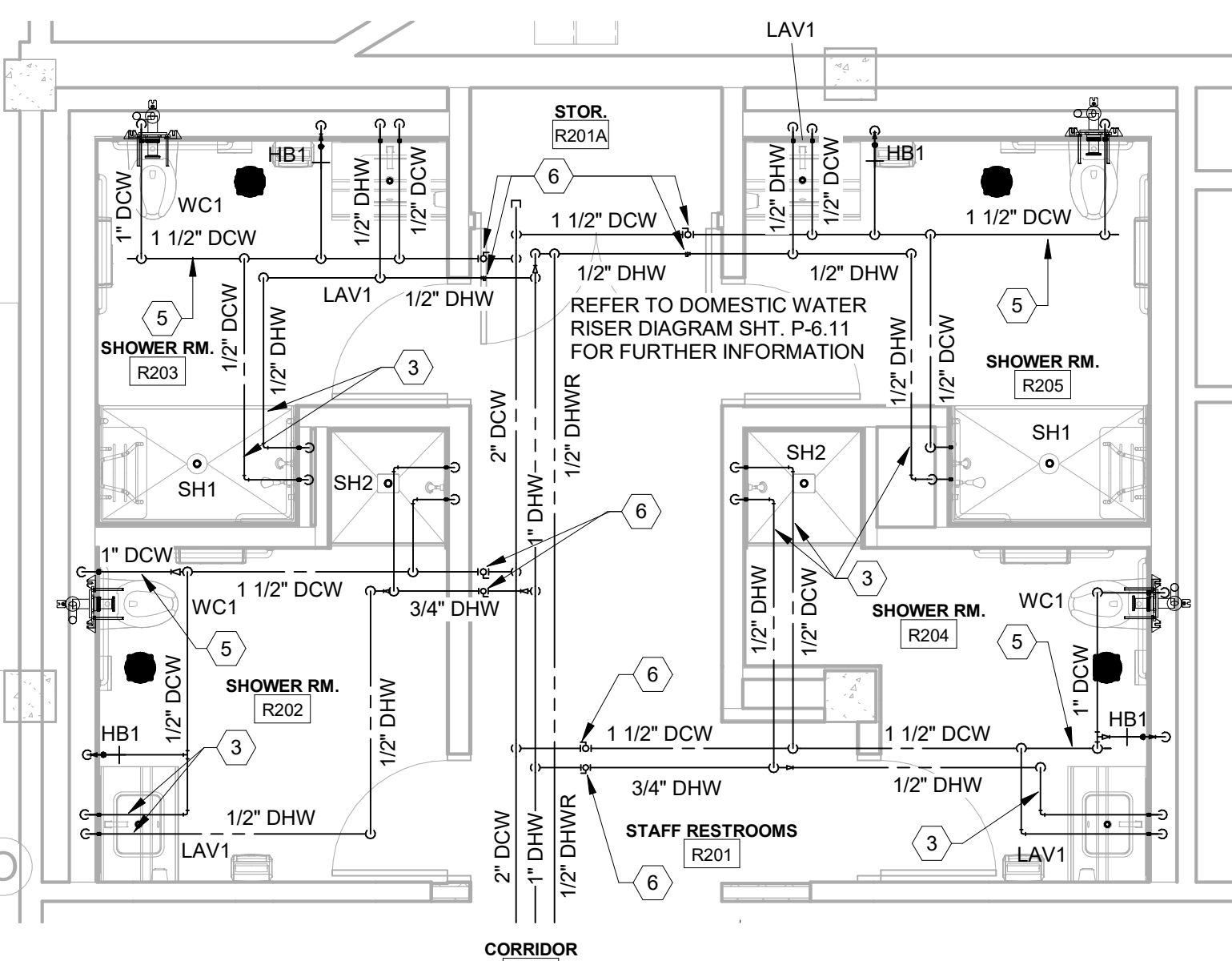
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SCALE: 1/4" = 1'-0"

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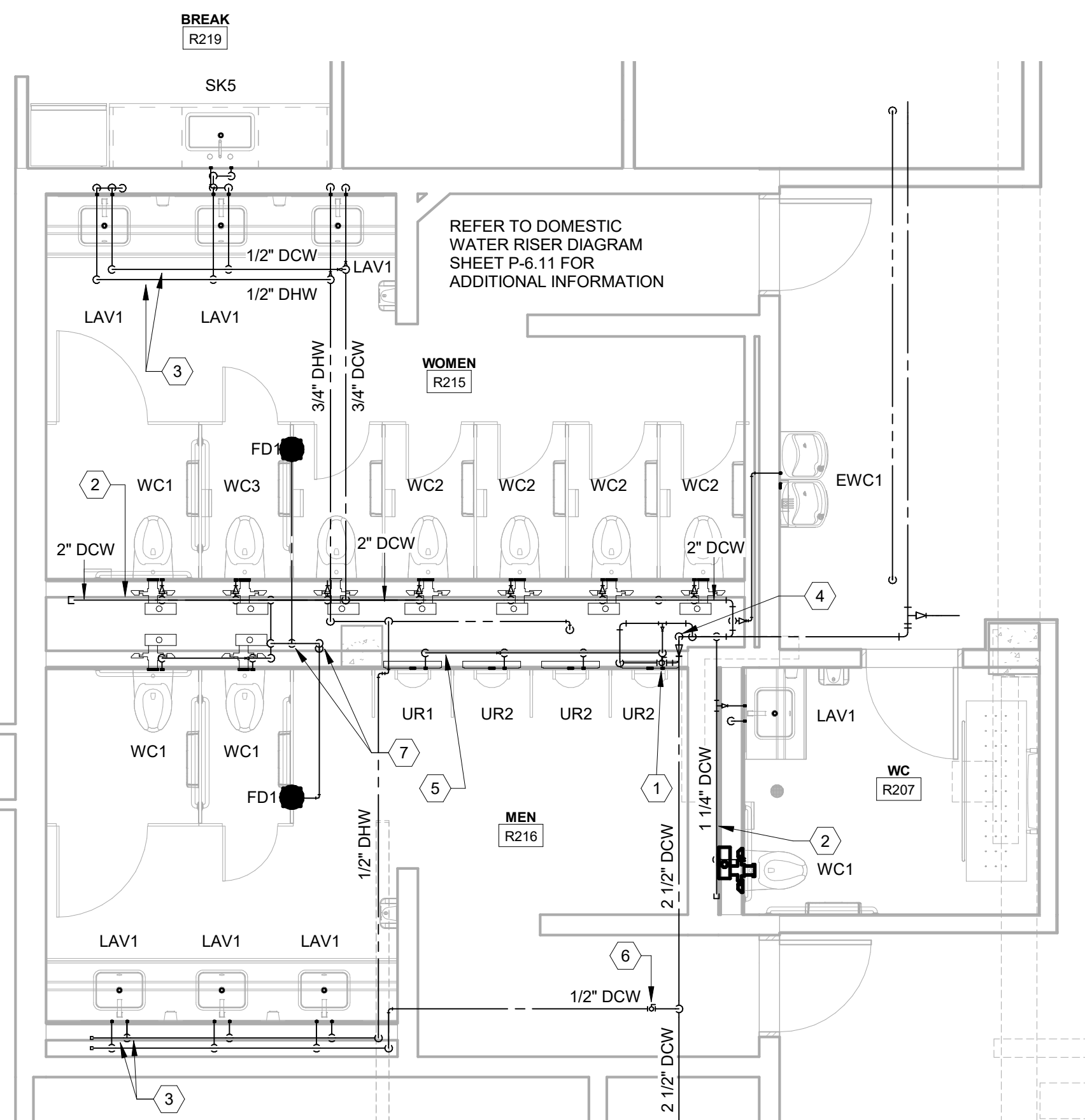
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SCALE: 1/4" = 1'-0"

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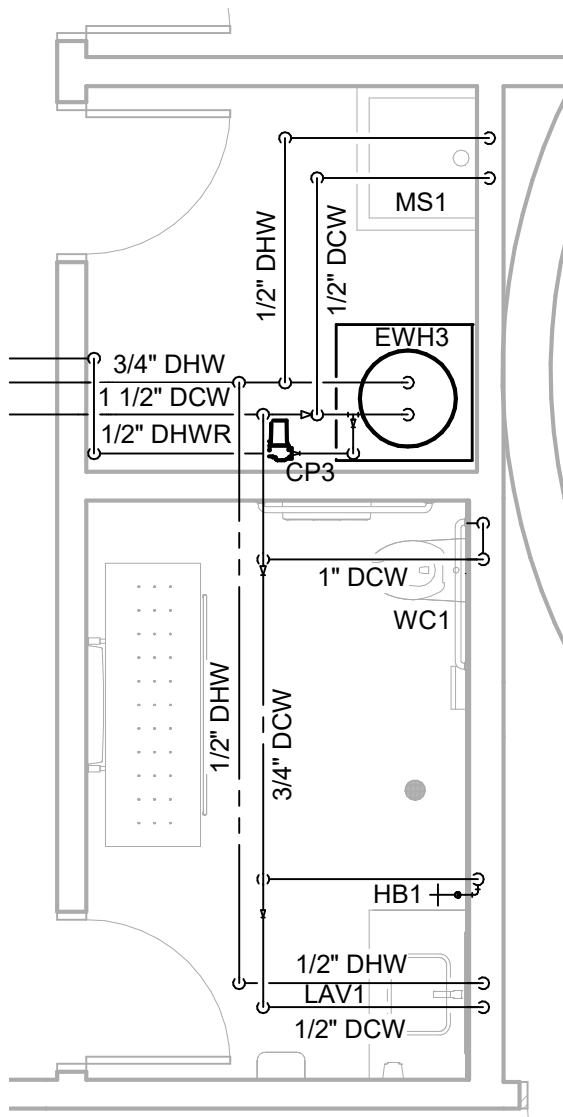
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SCALE: 1/4" = 1'-0"

5



TOILETS R215-216 ENLARGED DOMESTIC WATER PLAN
SCALE: 1/4" = 1'-0"

6



TOILET R112 ENLARGED DOMESTIC WATER PLAN
SCALE: 1/4" = 1'-0"

7

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE 1

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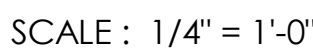


ENLARGED PLANS

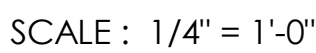
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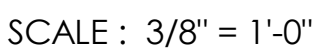
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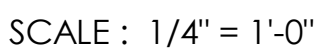
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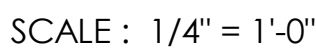
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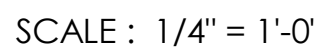
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4



5



6

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FORT FISHER
AQUARIUM
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PHASE 1

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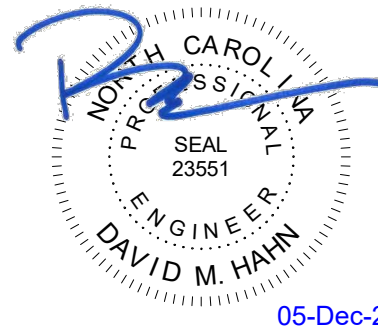
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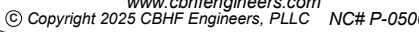
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P-6.13



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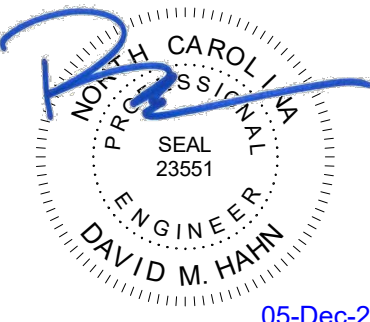
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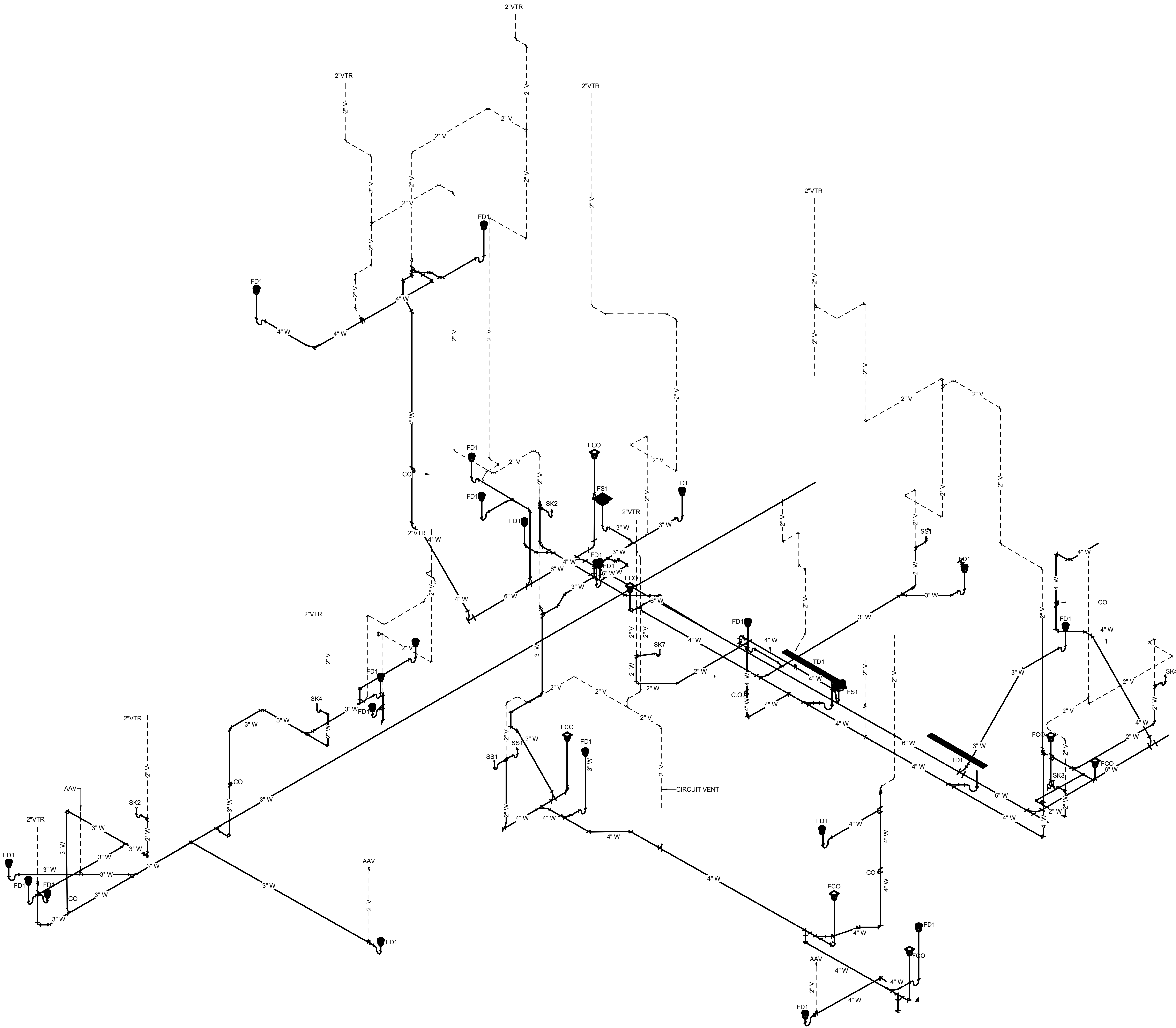
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PLUMBING RISER
DIAGRAMS

P-6.14

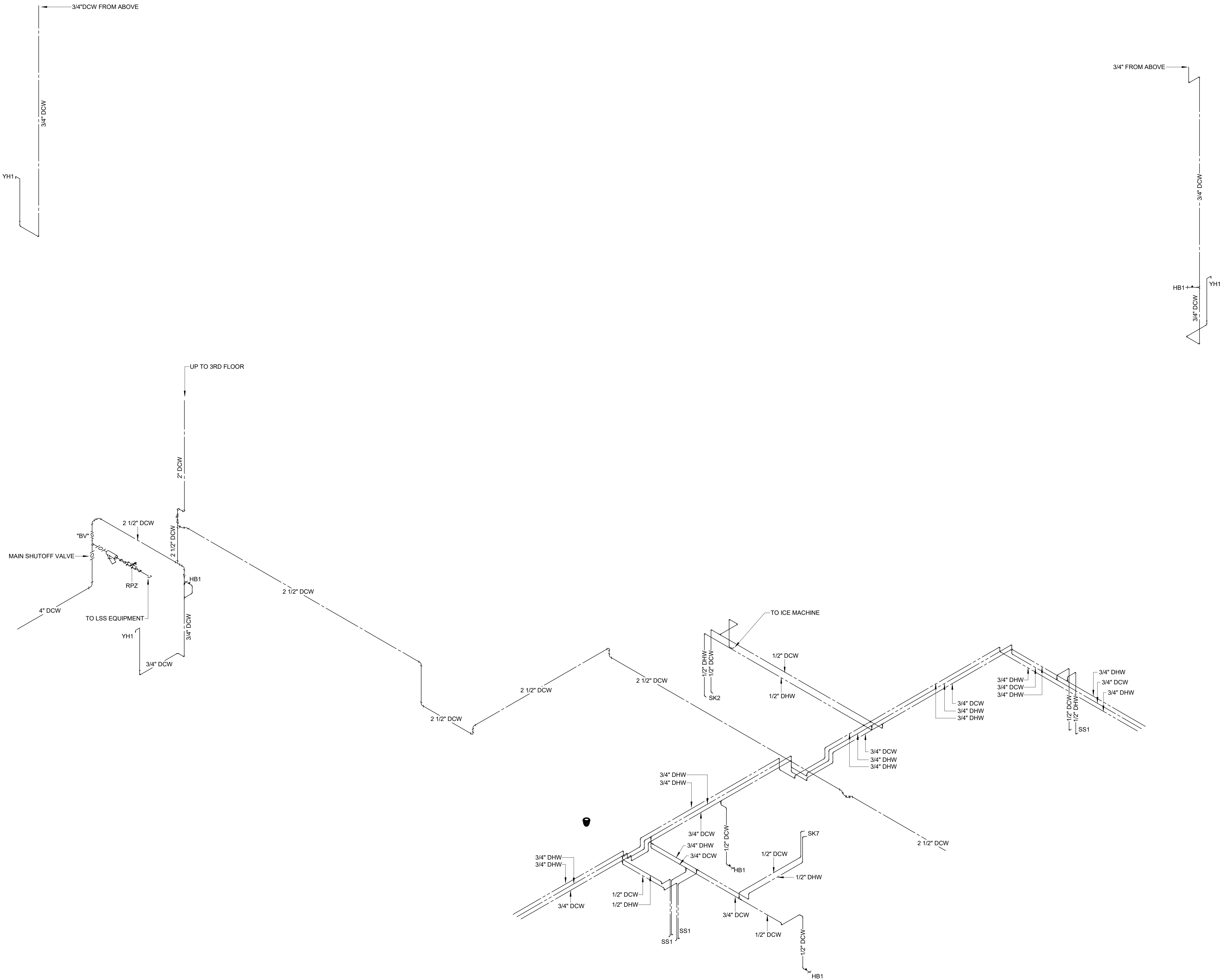


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Ambassador Animals Waste Vent Riser Diagram

SCALE :



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FIRST FLOOR SHARK TANK DOMESTIC WATER RISER DIAGRAM - "A"

SCALE:

1

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
& EXPANSION:
PHASE I

SCO #17-18042-02A
CODE: 42014-4G02
ITEM: 41414-4Y4A

900 LOGGERHEAD RD,
KURE BEACH, NC 28449

NORTH CAROLINA DEPT. OF
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FAX: 919.960.7967
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LICENSE # 31079

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56880 VENTURE LANE SUITE 205H
BEND, OR 97007
TEL: 503.433.0300
WWW.TJPENGINEERING.COM
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TEL: 817.760.6895
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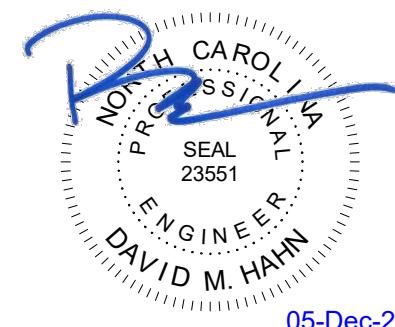
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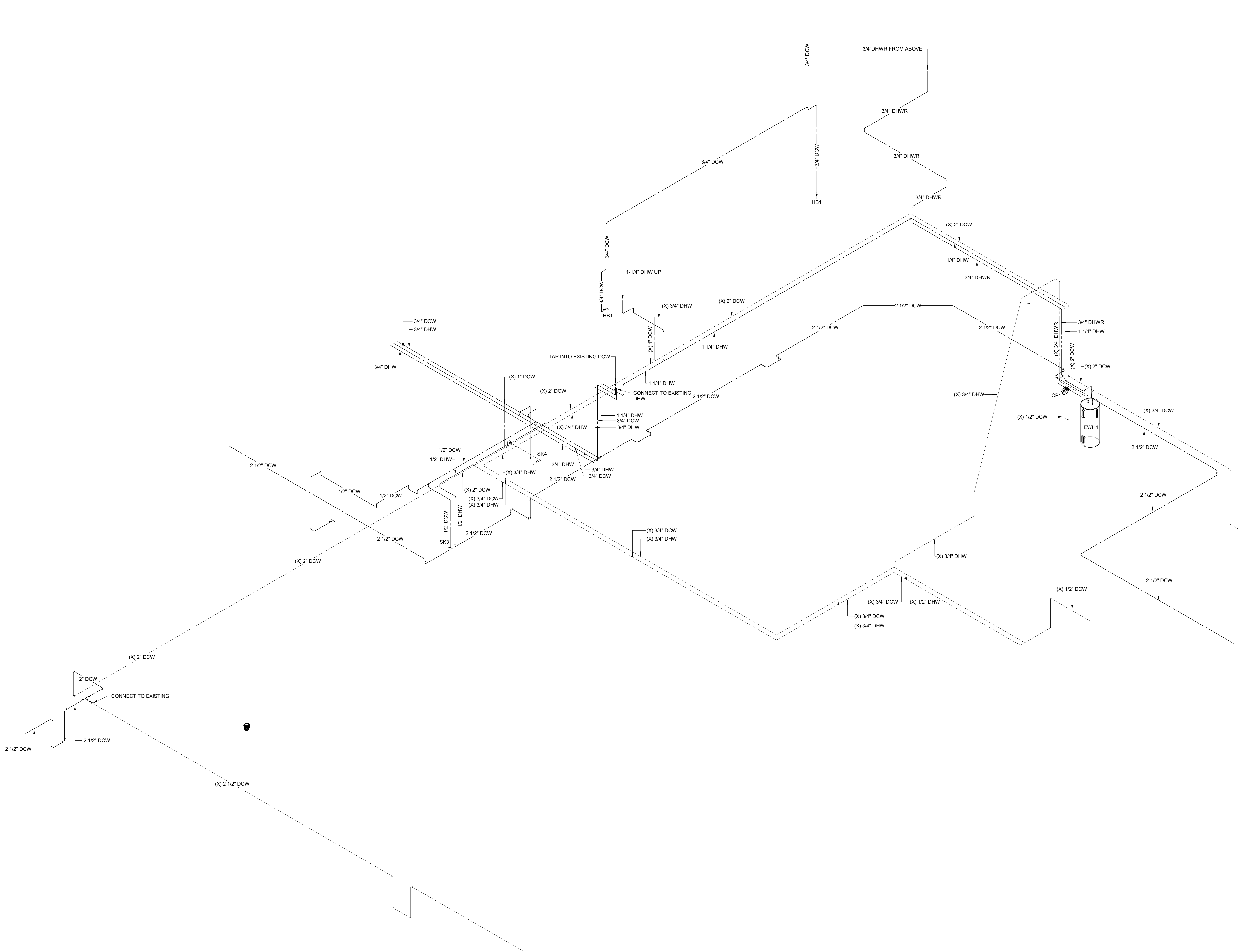
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PLUMBING RISER
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FIRST FLOOR SHARK TANK DOMESTIC WATER RISER DIAGRAM

SCALE :

1

SZOSTAK DESIGN

FORT FISHER
AQUARIUM
RENOVATION
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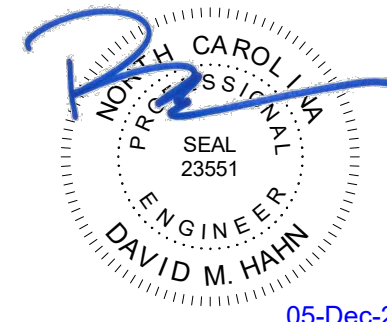
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