

THIS PLAN HAS BEEN REVIEWED, ENGINEERED AND SUPERVISED BY:  
**J.C. KOSINSKI ENGINEERING, INC.**  
 JOSEPH C. KOSINSKI, P.E.  
 835 GULFVIEW AVE.  
 FORT MYERS BEACH, FL 33981  
 (239) 465-2790 FAX  
 (239) 465-2790 FAX

**PLUMBING LEGEND**

	SANITARY PIPE
	VENT PIPE
	COLD WATER PIPE
	INDIRECT WASTE
	BALL OR GATE VALVE
	CHECK VALVE
	UNION
	WALL CLEANOUT
	FLOOR CLEANOUT
	"P" TRAP
	VENT THRU ROOF
	EQUIPMENT MARK
	CONNECTION POINT (EXISTING/NEW)
	WATER HAMMER ARRESTOR SIZED PER CONTRIBUTION PHASE OF THE PROJECT AND STRICTLY FOLLOW THE LOCAL BUILDING CODES AND APPLICABLE WRITING FOR ANY ERRORS, OMISSIONS, OR NON-COMPLIANCE OF SUCH CODES AND ORDINANCES IN THE CONTRIBUTION DOCUMENTS.
	ELECTRIC WATER HEATER
	UNDERGROUND
	VACUUM BREAKER
	VENT THROUGH ROOF
	COLD DOMESTIC WATER
	HOT DOMESTIC WATER
	HOT DOMESTIC WATER RETURN
	STAINLESS STEEL TERMINATE

**PLUMBING FIXTURE CONNECTION SCHEDULE**

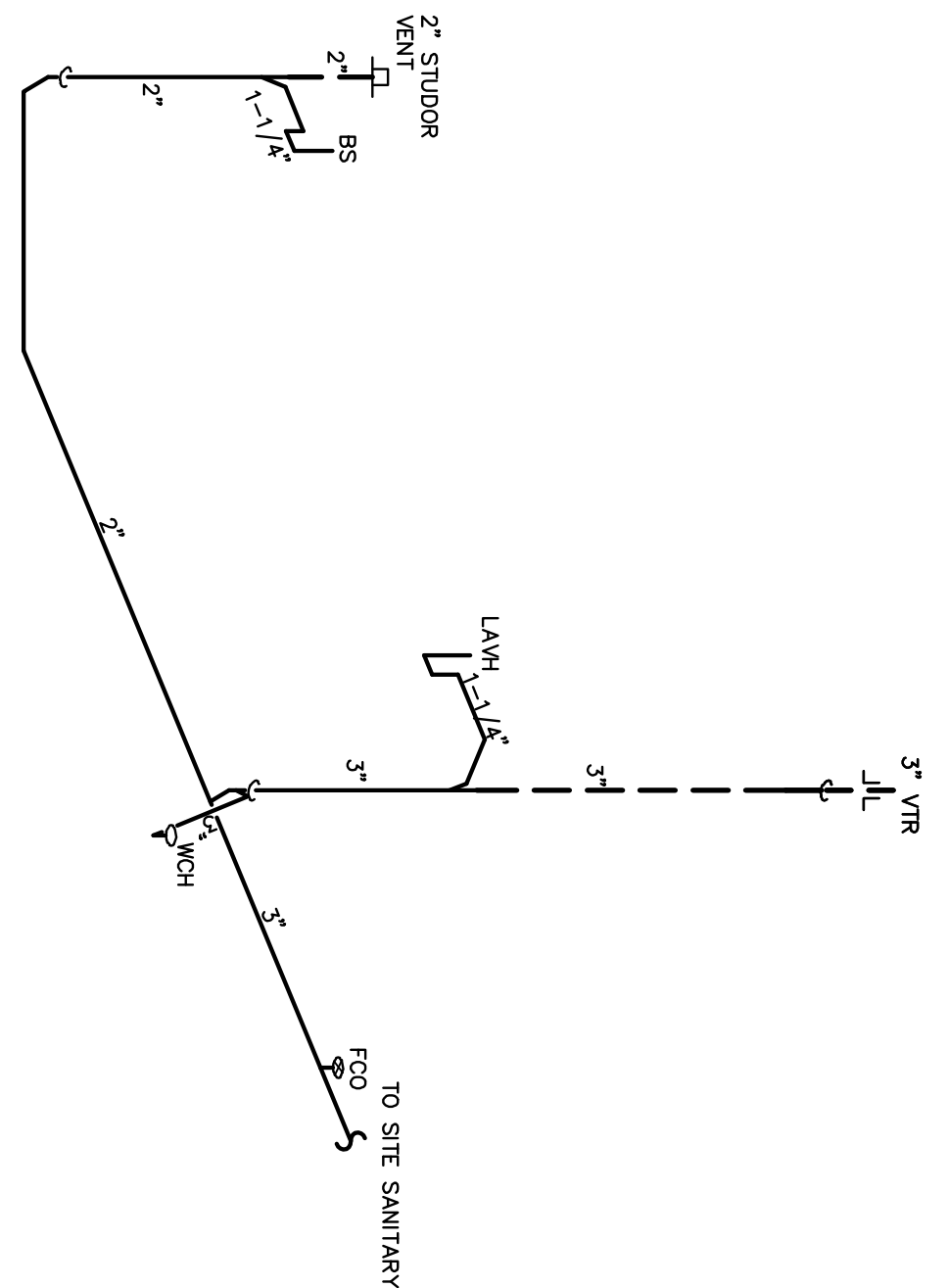
MARK	DESCRIPTION	WASTE	C.W.	H.W.	SPECIFICATIONS:
WCH	WATER CLOSET HOOKUP	3"	1/2"	--	FLOOR MOUNTED, WIRELESS CHINA, MOUNTED TO MEET ADA REQUIREMENTS.
LAVH	LAVATORY HOOKUP	1-1/4"	1/2"	--	WALL MOUNTED LAVATORY, WITH POP-UP DRAIN AND CHROME PLATED BRASS TAIL PIECE PROVIDE FLANGE WITH WESS BELLIES. LAV SHALL BE INSTALLED TO MEET ALL ADA CODES/UNIFORM ACCESSIBILITY STANDARDS.
BS	BAR SINK	1-1/2"	1/2"	--	SINKER DOWN TO CONFORM WITH ADA. PROVIDE SINKER AND COVER. NEOPRENE FEET. PROVIDE SINKER AND COVER. NEOPRENE FEET.

NOTES: 1. ALL FIXTURES AND TRIM ARE TO BE FINALLY ACCEPTED AND APPROVED BY THE OWNER PRIOR TO INSTALLATION.  
 2. IT IS OUR INTENTION TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM. THIS CONTRACTOR SHALL PROVIDE ANY AND ALL ITEMS REQUIRED TO ACCOMPLISH THIS TASK.

**GENERAL PLUMBING NOTES**

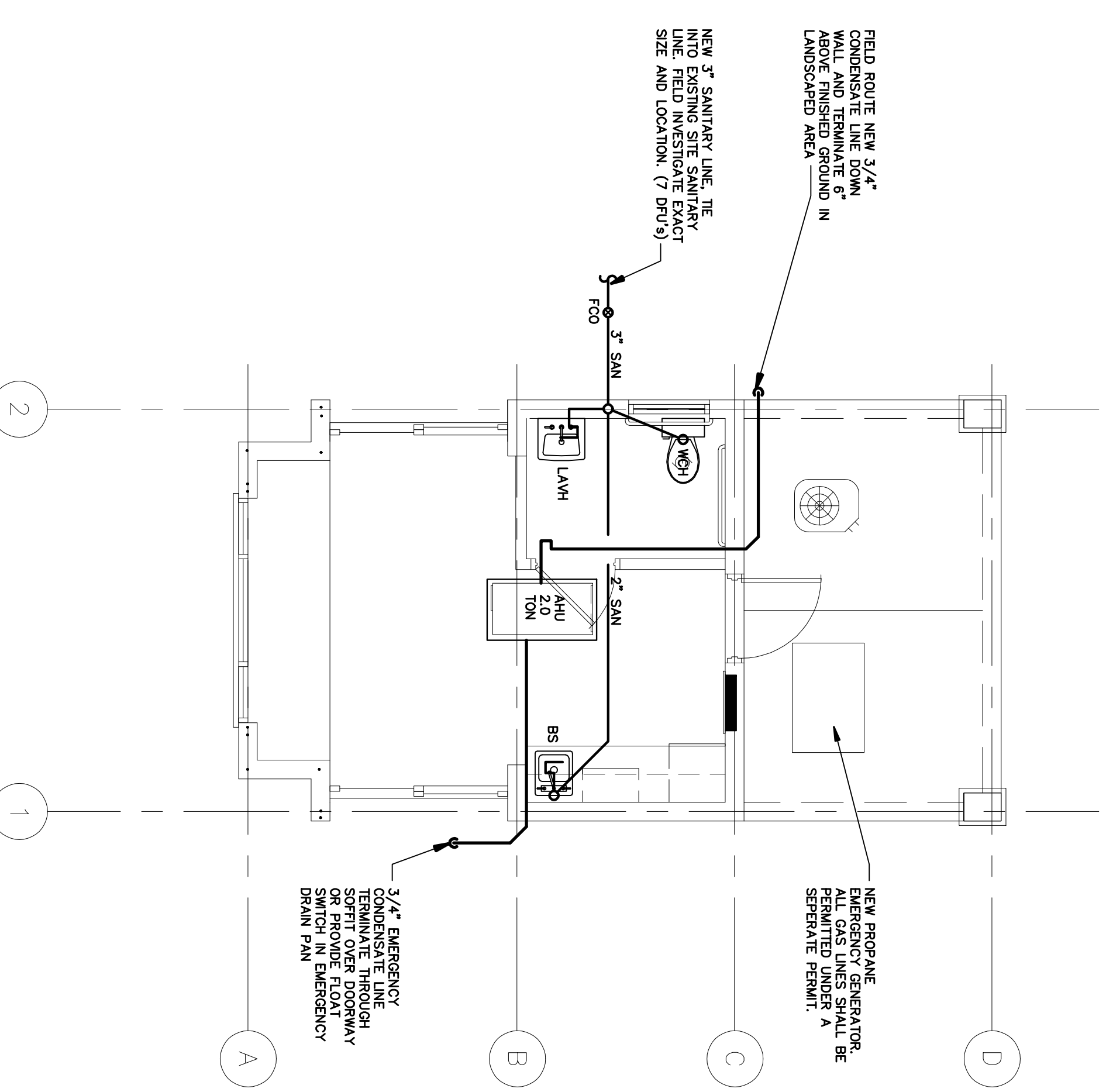
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE WITH 2006 REVISIONS UNLESS OTHERWISE NOTED.
- BUILDING DRAINAGE SYSTEM TO BE SLOPED AT 1/4" PER FT. MIN. FALL. ANY DRAINING TO BE DONE BY CONTRACTOR/OWNER.
- REMOVE CLEANOUTS EVERY 75 FEET AND AT BASE OF EVERY WASTESTACK.
- ALL CLEANOUTS TO BE FRESH WATER.
- MATERIALS SHALL BE ALL NEW AND AS FOLLOWS:
  - DRAINAGE WASTE AND VENT PIPING SHALL BE SCHEDULE 40 CONDENSATE DRAIN PIPING, P.V.C. DRAINAGE, WASTE AND VENT PIPING (DWV) CONFORMING TO ASTM D-2685.
  - WATER PIPING, COPPER TYPE "K" ASTM B-88 ABOVE GROUND AND COPPER TYPE "K" ASTM B-88 UNDERGROUND, INSULATE COLD, HOT AND HOT WATER RETURN LINES WITH 3/4" FIBERGLASS INSULATION. INSULATION TO BE 1/2" THICK. FINISH UNDERGROUND PIPING WITH A BUTYLASTIC COATING OR 2 MIL THICK PVC TAPE.
  - CONDENSATE DRAIN PIPING, P.V.C. DRAINAGE, WASTE AND VENT PIPING (DWV) THE BUILDING AND P.V.C. SCHEDULE 40 ABOVE ROOF AND UNDERGROUND PIPING.
  - 1/2" MANHOLE PIPE INSULATION TO ALL CONDENSATE DRAIN PIPING.
  - FLOOR CLEANOUTS, ACCESS COVERS TO MATCH THE FLOOR TYPE INSTALLED.
  - WALL CLEANOUTS WITH ACCESS COVER OR EQUAL.
  - VALVES: 125 PSI.
  - ALL PIPE HANGERS EXPOSED TO THE EXTERIOR SHALL BE OF STAINLESS STEEL CONSTRUCTION.
  - PIPE HANGERS TO BE NIBCO, TOLCO ADJUSTABLE BAND PIPE HANGERS. HANGERS TO BE PLACED AS FOLLOWS:
 

PIPE HANGERS TO BE PLACED AS FOLLOWS:	HORIZONTAL SPACING FT	VERTICAL SPACING FT
IRON PIPE	4'-0"	4'-0"
COPPER PIPE 1-1/4" AND LESS	4'-0"	10'-0"
COPPER PIPE 1-1/2" AND MORE	8'-0"	10'-0"
COPPER PIPE 1-1/2" AND MORE	10'-0"	10'-0"
  - WATER PIPING SHALL BE SUBJECTED TO HYDROSTATIC PRESSURE TEST OF 100 PSIG FOR A PERIOD OF TIME SUFFICIENT TO EXAMINE ENTIRE SYSTEM BUT NOT LESS THAN ONE HOUR.
  - DRAINAGE SYSTEMS BEFORE INSTALLATION OF ANY DRAINS, THE END OF THE DRAINAGE SYSTEM SHALL BE OPEN TO THE AIR AND THE SYSTEM SHALL BE POINT & ALLOWED TO STAND UNTIL INSPECTION IS MADE AND WATER LEVELS REMAIN CONSTANT.
  - CORRECT ALL DEFECTS DISCLOSED BY ABOVE TESTS.
  - COMPLETE SYSTEM PRIMER & EQUIPMENT SHALL BE GIVEN AN IN-SERVICE TEST AFTER COMPLETION OF THE INSTALLATION.
  - STRUTIZE ALL WATER LINES WITH A Mixture of (2) PORTIONS OF CHLORINATED LIME TO EACH 1000 GAL OF WATER (50 PPM OF AVAILABLE CHLORINE). RETAIN Mixture IN PIPES FOR 24 HOURS AND FLUSH THROUGHLY WITH POTABLE WATER BEFORE FLOUGH IN SERVICE.
  - PLUMBING CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE THAT ALL PLUMBING OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE AND THAT ALL PLUMBING REPAIR AND REPLACE ALL WORK WHICH BECOMES DEFECTIVE DURING GUARANTEE PERIOD. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING UTILITIES AND POINTS OF CONNECTION BEFORE COMMENCING ANY WORK.



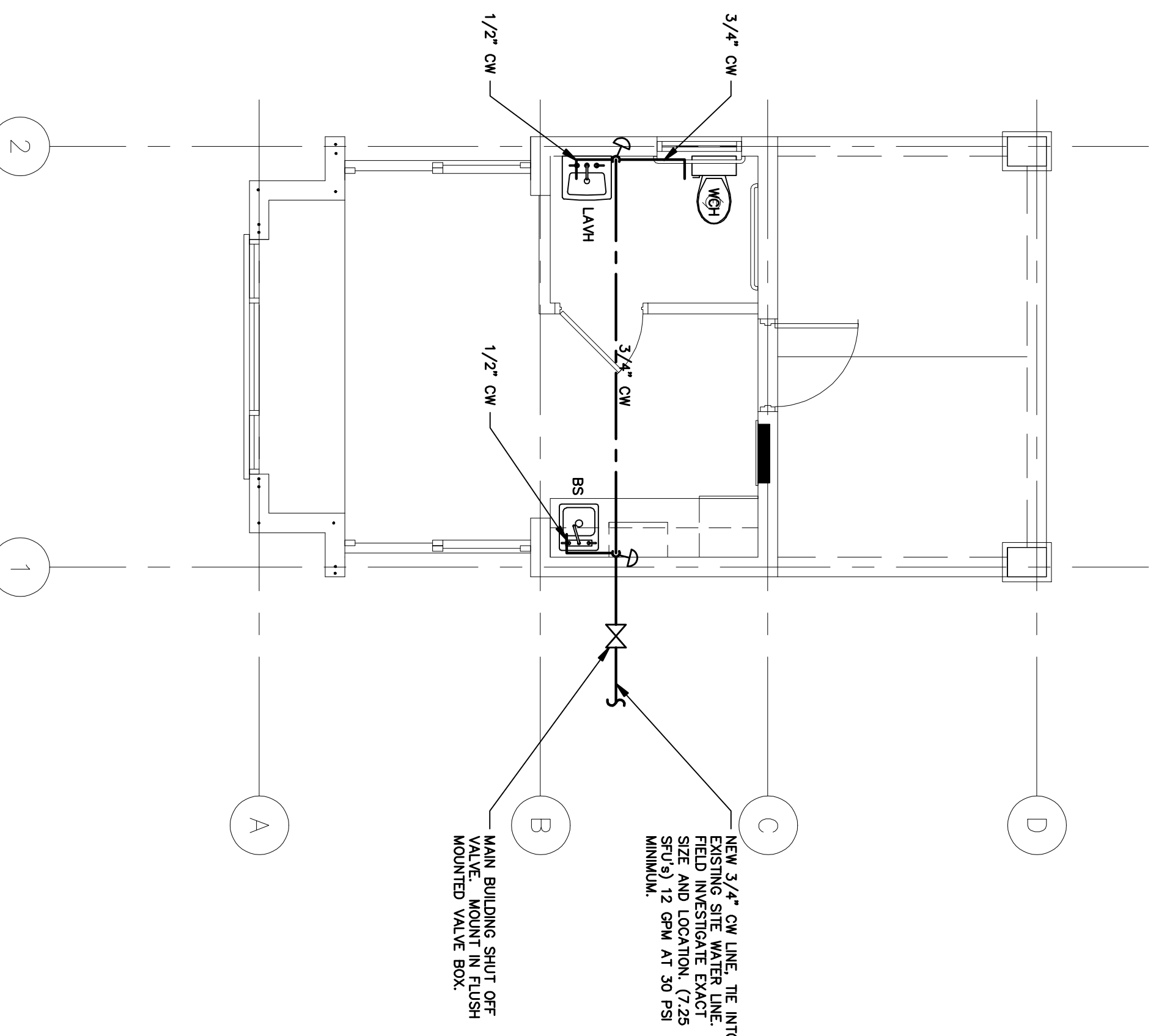
**SANITARY ISOMETRIC**

NONE



**SANITARY PLAN**

1/4" = 1'-0"



**WATER PLAN**

1/4" = 1'-0"

THE OWNER OR CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT AND A CONSTRUCTION GUIDE FROM THE JURISDICTION OF THE TRADE OR OTHER AGENCY (SUCH AS LABOR LAW REGULATIONS, JOB SAFETY (OSHA) OR INSURANCE LAW REGULATIONS) FOR THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESPONSIBILITY OF THE OWNER, GENERAL CONTRACTOR, OR OTHER DESIGNER.

THESE CONSTRUCTION DOCUMENTS, INCLUDING PERMITS AND A CONSTRUCTION GUIDE OBTAINING A PERMIT AND A CONSTRUCTION GUIDE IN THE SPACE PROVIDED.

ISSUED FOR: DATE:  
 DESCRIPTION: 00. 00. 2008  
 PERMIT SUBMITTAL: 09. 05. 2008

PREPARED FOR:

**Barefoot Beach Master Assoc. Inc.**  
 No. 1 Barefoot Beach Blvd.  
 Naples, Florida

PROJECT TITLE:  
**BAREFOOT BEACH MARINE & GUARDHOUSE**

LOCATION:  
 Barefoot Beach Blvd  
 Naples, Florida

OWNER:  
**Barefoot Beach Assoc.**

DRAWING TITLE:  
**SANITARY, WATER PLANS AND ISOMETRIC**

JOB NUMBER: 2008-XXX  
 SCALE: AS NOTED  
 DATE: JUNE, 2008  
 BY: K. MINZEY  
 CHECKED BY: J. KOSINSKI

DRAWING NO.: **P-1.0 A**