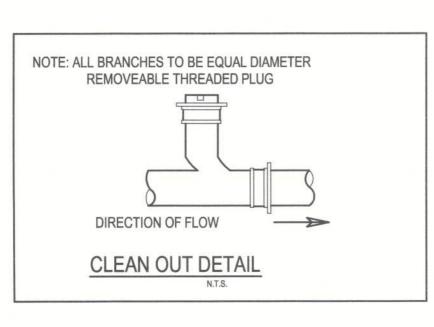
GENERAL NOTES

- 1. PLUMBING CONTRACTOR IS TO FURNISH AND INSTALL ALL PLUMBING FIXTURES COMPLETE AS LISTED ON THE
- 2. PLUMBING CONTRACTOR MAY USE SCHEDULE 40 OR 80 TYPE1, GRADE 1 POLYVINYL CHLORIDE PIPE FOR ALL SOIL, WASTE AND VENT PIPING WHERE PERMITTED BY LOCAL CODE.
- 3. PROVIDE SHUT-OFF GATE VALVES ON ALL EQUIPMENT AND STOP COCKS IN HOT AND COLD WATER PIPING TO ALL PLUMBING FIXTURES.
- 4. ALL PIPING BELOW GRADE SHALL BE SCHEDULE 40 PVC AND ALL WATER PIPING ABOVE GRADE SHALL BE CPVC.
- 5. INSTALL 1" FOAM RUBBER INSULATION ON ALL HOT WATER PIPING BELOW AND ABOVE GRADE. ALL JOINTS IN INSULATION ARE TO BE TAPED.
- 6. ELEVATION OF ALL FLOOR DRAINS SHALL BE 1/2" BELOW FLOOR TILE.
- 7. CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATION OF ALL NEW AND EXISTING SANITARY SEWERS PRIOR TO ROUGH-IN.
- 8. ALL CLEANOUTS SHALL BE INSTALLED FLUSH WITH FINISHED GRADE / FINISHED FLOORS.
- 9. ALL PLUMBING HOSE BIBBS OR VALVES WITH TREADED CONNECTIONS SHALL BE PROVIDED WITH VACUME BREAKES AND APPROVED MEANS OF BACKFLOW PREVENTION AS REQUIRED BY STATE AND LOCAL CODES.
- 10. ALL HANDICAP PLUMBING FIXTURES SHALL BE INSTALLED TO COMPLY WITH STATE AND LOCAL CODES. P.C. SHALL FURNISH AND INSTALL CODE COMPLIANT TRAP WRAP ON ALL EXPOSED WATER AND WAST LINES FOR ALL HANDICAP ACESSABLE LAVORATORIES.
- 11. HOLD ALL PLUMBING VENTS A MINIMUM OF 10"-0" FROM OUTSIDE AIR INTAKES ON HVAC EQUIPMENT. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR.
- 12. WHERE A RENOVATION IS TO OCCUR, THE PLUMBING CONTRACTOR SHALL VISIT THE SITE TO DETERMINE TO EXTENT OF DEMOLITION REQUIRED. THIS SHALL BE DONE PRIOR TO SUBMITTING BID.
- 13. PLUMBING CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS TO THE GENERAL CONTRACTOR PRIOR TO FINAL PAYMENT.
- 14. ALL DOMESTIC WATER PIPING SHALL BE DISINFECTED PRIOR TO USE BY BUILDING OCCUPANT. PLUMBING CONTRACTOR SHALL DISINFECT PER REQUIREMENTS OF LOCAL HEALTH DEPT., STATE AND LOCAL PLBG. CODE.
- 15. PLUMBING CONTRACTOR SHALL PROVIDE DIELECTRIC UNIONS AT ALL PIPING CONNECTIONS WHERE DISSIMILAR PIPING IS JOINTED.
- 16. ALL GAS PIPING SHALL BE AS DIRECTED BY LOCAL GAS CO. AND STATE / LOCAL PLBG. CODES.
- 17. ALL WORK SHALL BE INSTALLED TO COMPLY WITH LOCAL AND STATE PLBG. CODE REQUIREMENTS AND PER LOCAL HEALTH DEPARTMENT REQUIREMENTS.
- 18. ALL HOT AND COLD WATER, WASTE, AND VENT PIPING TO BE SUPPORTED PER LOCAL PLUMBING CODE.
- 19. PROVIDE DIELECTRIC BREAK UNIONS AT ALL CHANGES OF PIPING MATERIALS.
- 20. WATER HAMMER ARRESTORS SHALL BE PROVIDED AT ALL QUICK-CLOSING VALVES SUCH AS WASHING MACHINES, ICE MAKERS, DISHWASHERS, AND DRINKING FOUNTAINS AND SHALL CONFORM TO ASSE 1010.
- 21. ALL WASTE PIPING TO BE DWV PATTERN PVC WITH PRIMER AND SOLVENT FUSED JOINTS. CONDENSATE DRAINS TO BE DWV. PATTERN PVC WITH PRIMER AND SOLVENT FUSED JOINTS. CONDENSATE DRAIN LINES BY PLUMBING CONTRACTOR. VENT PIPING TO BE DWV PATTERN PVC WITH PRIMER AND SOLVENT FUSED JOINTS.
- 22. DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS FOR EXACT LOCATION OF FIXTURES, PIPING ETC. VERIFY LOCATION OF ROUGH IN WITH ARCHITECT PRIOR TO INSTALLATION.
- 23. PROVIDE CHROME PLATED ESCUTCHEON PLATES AT ALL WALL PENETRATIONS AND ALL EXPOSED CEILING PENETRATIONS.
- 24. PLUMBING CONTRACTOR MUST CHECK EXISTING CONDITIONS BEFORE SUBMITTING A BID. THE ENTIRE INSTALLATION MUST COMPLY WITH ALL STATE AND LOCAL CODES.
- 25. GRADE SEWER LINES A MINIMUM OF 1/8 INCH PER FOOT.
- 26. ALL EQUIPMENT SHALL BE STARTED, TESTED, AND PLACED IN OPERATING CONDITION BY THE PLUMBING CONTRACTOR. THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP, EQUIPMENT AND OTHER MATERIALS TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR, AFTER FINAL ACCEPTANCE BY THE OWNER.
- 27. AT EACH FIXTURE, WHERE POSSIBLE INSTALL A LENGTH OF PIPE OF THE SAME SIZE IN A VERTICAL POSITION, AS NEAR TO THE FIXTURE AS IS PRACTICAL. THIS PIPE SHOULD BE POSITIONED TO TRAP A POCKET OF AIR AND PREVENT WATER HAMMER. 31. THERMAL EXPANSION CONTROL. A MEANS OF CONTROLLING INCREASE PRESSURE CAUSED BY THERMAL EXPANSION SHALL BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH SECTIONS 607.3.1 AND 607.3.2.

TABLE 710.1(1) BUILDING DRAINS AND SEWERS

DIAMETER OF PIPE (inches)	MAXIMUM NUMBER OF DRAINAGE FIXTURE UNITS CONNECTED TO ANY PORTION OF THE BUILDING DRAIN OR THE BUILDING SEWER, INCLUDING BRANCHES OF THE BUILDING DRAIN SLOPE PER FOOT			
	1 1/4	-	·	1
1 1/2	_	-	3	3
2	-	-	21	26
2 1/2	_	_	24	31
3	-	36	42	50
4	_	180	216	250
5		390	480	575
6	_	700	840	1,000
8	1,400	1,600	1,920	2,300
10	2,500	2,900	3,500	4,200
12	3,900	4,600	5,600	6,700
15	7,000	8,300	10,000	12,000

For SI: 1 inch = 25.4 mm. 1 inch per foot = 8.3 mm/m. a. The minimum size of any building drain serving a water closet shall be 3 inches.



PLUMBING PLAN KEYED NOTES

- 1" DOMESTIC WATER SERVICE LINE. PROVIDE ¾ " WATER TAP AND METER WITH ¾ " WATER LINE RUN FROM METER TO BUILDING. PROVIDE PRESSURE REDUCING VALVE WHERE WATER PRESSURE EXCEEDS 70 PSI. COORDINATE ROUTING AND BACKFLOW PREVENTER REQUIREMENTS WITH CIVIL ENGINEER.
- (2) 4" SANITARY WASTE SERVICE. COORDINATE ROUTING AND INVERT WITH CIVIL ENGINEER.
- 1" COLD WATER RISER UP THRU SLAB WITH SHUT-OFF VALVE IN WALL. PROVIDE ACCESS PANEL IN WALL.
- 4 COLD WATER LINE UNDER SLAB.
- 5 LOCATE ELECTRIC HOT WATER HEATER ABOVE MOP SINK WITH 6'-8" CLEAR TO BOTTOM, OF WATER HEATER SUPPORT PLATFORM. MINIMUM 10 GALLON, 1.5 KW.
- 6 MOP SINK SHALL BE 24x24 MOLDED STONE AND MOUNTED ON FLOOR PROVIDE WITH HOSE AND MOP HANGER BRACKET.
- (7) PROVIDE FLOOR DRAIN WITH TRAP PRIMER.
- HEAT TAPE SHALL BE PROVIDED FOR ALL DOMESTIC WATER LINES LOCATED IN EXTERIOR WALLS IN CLIMATES WHERE PIPES ARE SUBJECT TO FREEZING.
- PROVIDE RECESSED BOX TYPE FREEZELESS WALL HYDRANT EQUAL TO WOODFORD MODEL B65 WITH AUTOMATIC DRAINING ANTI-SIPHON VACUUM BREAKER.
- (10) PROVIDE 3" FLOOR DRAIN AT COOLER/FREEZER FOR CONDENSATE DISPOSAL. SEE DETAIL E102-6 FOR ADDITIONAL DETAILS AND OTHER INSTALLATION OPTIONS.
- (11) ALL PLUMBING FIXTURES SHALL BE COMMERCIAL GRADE AND SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES.
- (12) WATER CLOSETS SHALL BE AMERICAN STANDARD MODEL 3378.128 FLOWISE DUAL FLUSH RIGHT HEIGHT ELONGATED TOILET. NO SUBSTITUTIONS ALLOWED.
- (13) LAVATORY FAUCETS SHALL BE AMERICAN STANDARD MODEL 1340.225 METERING
- (14) HI-LO DRINKING FOUNTAIN SHALL BE ELKAY EZSTL8C BARRIER- FREE, STANDARD COLOR TO BE SELECTED BY ARCHITECT. 120V,1PH TO MEET HANDICAPPED CODE REQUIREMENTS

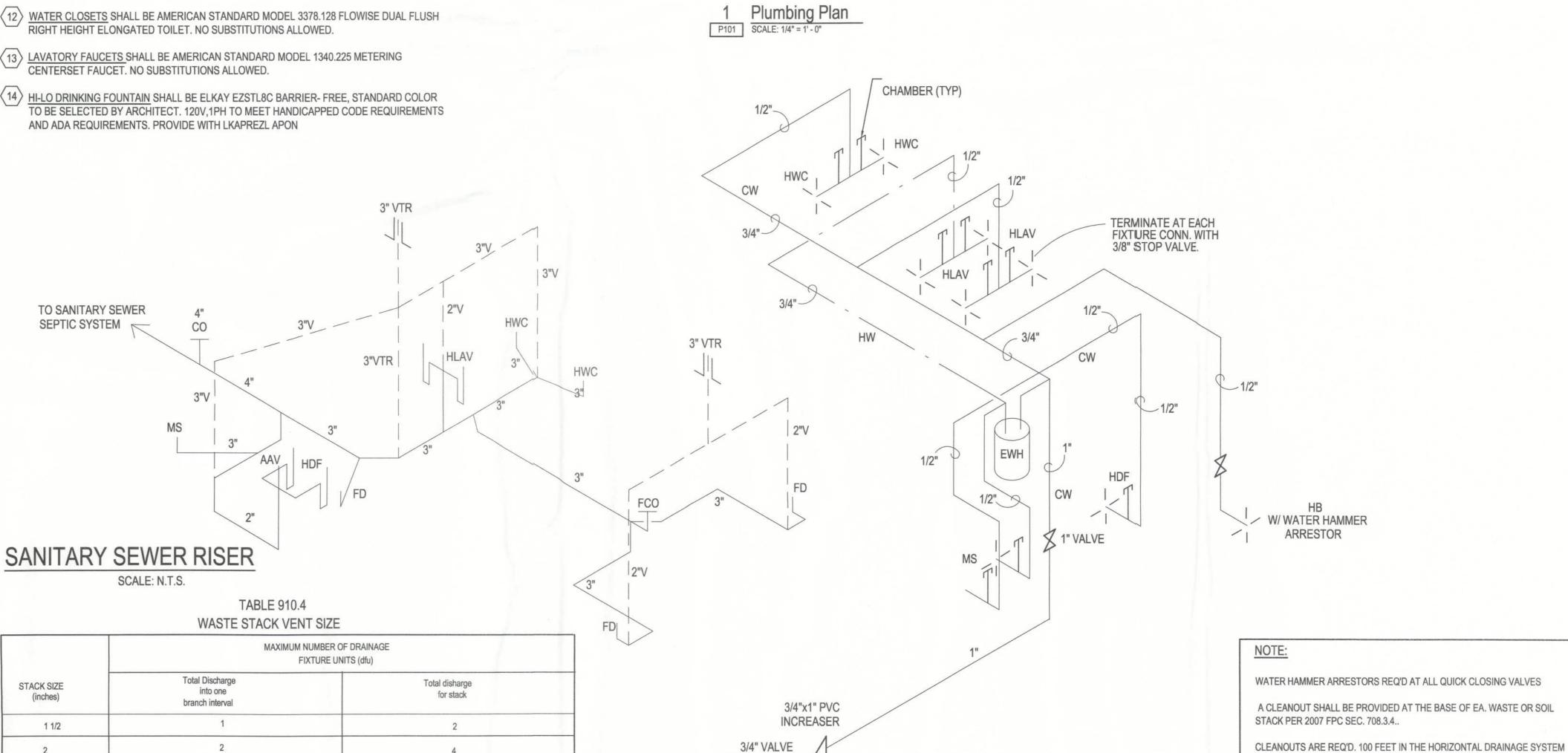
2

No Limit

No Limit

No Limit

No Limit



3/4" CHECK VALVE

3/4" CW

FROM POTABLE WATER

SUPPLY FROM UTILITY

1/2"

WATER SUPPLY ISOMETRIC

SCALE: N.T.S.

For SI: 1 inch = 25.4 mm. 1 mil = 0.0254 mm.

STACK SIZE

(inches)

1 1/2

2 1/2

4

ARRIO \odot PHENS Ш

AR

STATE OF FLORIDA PE #44643

PROJECT NO. = 2012-001

ISSUE DATE 02/22/2012

CS

PER FPC 2007-708.3.1.

DIRECT ALL CONDENSATE TO DRYWELL OR STORMWATER DETENTION AREAS, CONDENSATE IS NOT PERMITTED TO BE CONNECTED TO SANITARY SEWER SYSTEM.

CIRCUIT VENT

2"× 2"VTR

FCO

HOSE CONNECTIONS. SILLCOCKS, HOSE BIBBS, WALL HYDRANTS AND OTHER OPENINGS WITH A HOSE CONNECTION SHALL BE PROTECTED BY AN ATMOSPHERIC-TYPE OR PRESSURE-TYPE VACUUM BREAKER OR A PERMANENTLY ATTACHED HOSE CONNECTION VACUUM BREAKER.