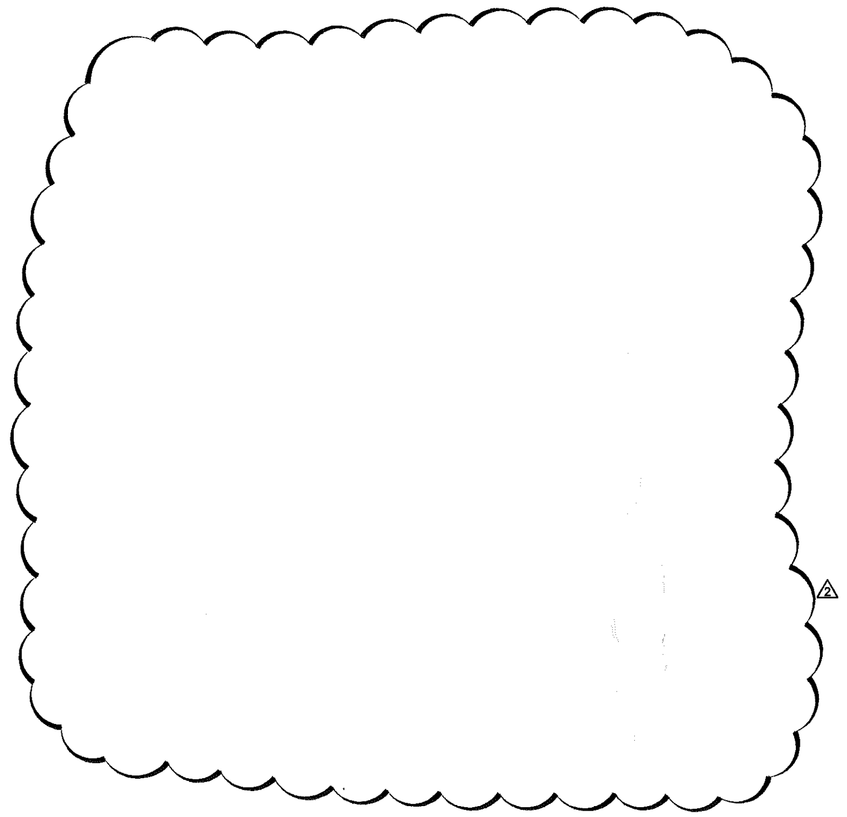
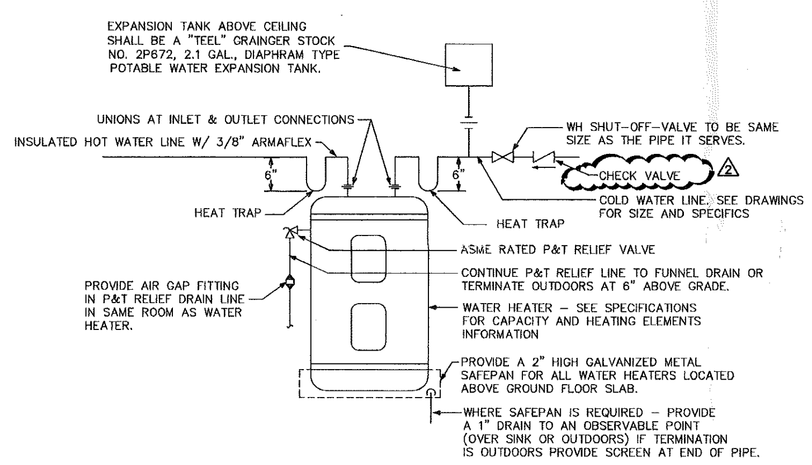
PLUMBING FIXTURE CONNECTION SIZES

FIXTURE	C.W. CONN. SIZE	H.W. CONNECTION SIZE	SANITARY BRANCH SIZE
P1A,P1B	1/2"	–	3"
P2	1/2"	1/2	1-1/4"
P3	1/2"	–	–
P4	3/4"	3/4"	–
P5	1/2"	–	1-1/4"
P6	1/4"	–	–
P7	1/2"	1/2"	3"
P8	1/2"	1/2"	1-1/2"

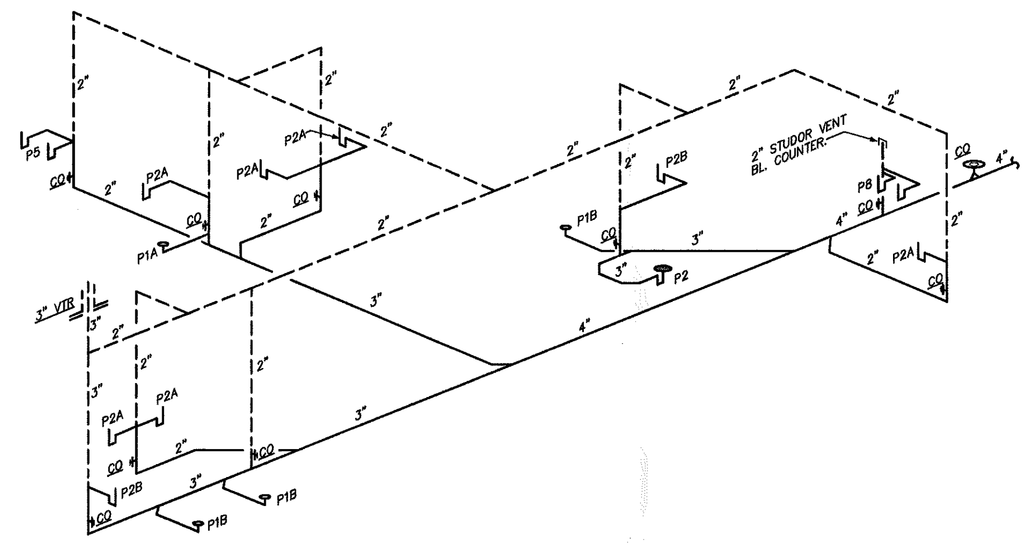


PLUMBING ABBREVIATION LEGEND

DN.	DOWN	C.C.	CENTER TO CENTER	F.U.	FIXTURE UNITS
EXT.	EXTERIOR	N.T.S.	NOT TO SCALE	H.B.	HOSE BIBBS
F.D.	FLOOR DRAIN	MFGR.	MANUFACTURER	C.O.	CLEANOUT
F.F.	FINISH FLOOR	S.O.V.	SHUT OFF VALVE	E.W.H.	ELECTRIC WATER HEATER
A.F.F.	ABOVE FINISH FLOOR	W.C.	WATER CLOSET	JAN.SK.	JANITOR SINK
V.T.R.	VENT THRU ROOF	LAV.	LAVORATORY	P. & T	PRESSURE & TEMPERATURE
TYP.	TYPICAL	SK.	SINK	RWL.	RAIN WATER LEADER
R.D.	ROOF DRAIN	D.W.	DISH WASHER		
REV.	REVISION	E.D.F.	ELECTRIC DRINKING FOUNTAIN		
O.C.	ON CENTER	UR.	URINAL		



3 WATER HEATER DETAIL
NO SCALE



2 SANITARY ISOMETRIC
NO SCALE

GENERAL PLUMBING NOTES

1. Drawings are diagrammatic and shall not be scaled. Refer to architectural plans and elevations for exact location of all plumbing fixtures, equipment, etc.. Plumbing contractor shall furnish and install all items required for a complete and acceptable working installation. Contractor is responsible to install all fixtures and equipment in strict compliance with the manufactures installation instructions. This requirement is to supersede any details or information contained on these drawings.
2. All work and materials shall comply with the latest edition of the National, State, and all local codes and Ordinances having jurisdiction.
3. The plumbing contractor shall visit the site and thoroughly familiarize himself with all existing conditions. All execution and backfill as required for this phase of construction shall be a part of this contract.
4. All material shall be new.
5. All work shall be performed by a licensed plumbing contractor in a first class workmanlike manner. The completed system shall be fully operative and accepted by engineer/architect.
6. All required insurance shall be provided for protection against public liability or property damage for the duration of the work.
7. The plumbing contractor shall secure and pay all permit fees, inspections, and tests.
8. All work shall be coordinated with other trades to avoid interference with the progress of construction.
9. The plumbing contractor shall guarantee all materials and workmanship free from defects for a period of not less than (1) one year from date of acceptance. Correction of any defects shall be completed without additional charge and shall include replacement or repair of any other phase of the installation which may have been damaged thereby.
10. Verify location, size and inverts of all existing utilities prior to start of construction. Advise architect/engineer of any discrepancies.
11. All fixtures shall be provided with readily accessible stops.
12. All below floor slab water piping shall be flexible "temprite pex (cross-linked polyethylene)" installed as per manufacturers recommendations found here: www.Tempritepex.Com. All above slab water piping shall be "FlowGuard Gold CPVC" installed as per manufacturers recommendations found here: www.flowguardgold.com. All water piping as specified or approved equal.
13. Soil, wastes and vent piping shall be PVC #40 DMV. Waste and vent piping above slab shall be PVC, if approved by local authorities having jurisdiction, otherwise cast iron. PVC shall not be installed in A/C return air plenum or penetrate fire rated walls or floors.
14. Air conditioning condensate drain piping shall be PVC #40 or copper drain waste and bent pipe and fittings. Insulate all condensate piping except exterior piping. Install all condensate piping for air conditioning units as required per local codes.
15. Furnish and install approved air chambers at each plumbing fixture and PDI approved shock arresters on main lines and risers.
16. Provide chrome plated combination covered plate and cleanout plug for all wall cleanouts, Josam 58890.
17. Insulate lines as follows:
    a) Hot and Cold water supply and return: 1" thick armaflex preformed or approved equal.
    b) Condensate piping: 1/2" thick armaflex preformed or approved equal.

PLUMBING FIXTURE SCHEDULE

P-1A (HANDICAPPED WATER CLOSET)
SHALL BE AN AMERICAN STANDARD MODEL CADET 2998.012 ELONGATED 18" HIGH, 1.6 GPF, VITREOUS CHINA, SIPHON ACTION BOWL CLOSE-COUPLED TANK, SPEED CONNECT TANK/BOWL COUPLING SYSTEM TOILET AND AN OLSONITE # 95 OPEN FRONT SEAT LESS COVER. CONTRACTOR TO ORDER LEFT OR RIGHT HAND ACTUATOR LEVER PLACEMENT TO ALLOW LEVER PLACEMENT TO BE ON THE OPEN SIDE OF THE TOILET TO MEET HANDICAP CODE REQUIREMENTS.

P-1B (CHILDREN'S WATER CLOSET)
CHILDREN'S TOILET SHALL BE A "RENSUP" ITEM #11887, VITREOUS CHINA, CHILD FRIENDLY HEIGHT, 1.25 GALLON WASH-DOWN FLUSH. ONE-PIECE TOILET IN BONE FINISH ACCEPTS 12 INCH ROUGH-IN FOR EASY SWAP OUT, INCLUDES PLASTIC SEAT & PUSH-BUTTON FLUSH. HEIGHT-BOWL: 11 1/2", SIPHON ACTION BOWL, CLOSE-COUPLED TANK.

P-2A (HANDICAPPED WALL HUNG LAVATORY)
SHALL BE AN AMERICAN STANDARD MODEL LUCERNE 0356.028 ENAMELED CAST IRON ACID RESISTING LAVATORY WITH SOAP DEPRESSION. PROVIDE A 5401.172.IR HERITAGE CENTERSET FAUCET WITH 4" WRIST BLADE HANDLES TO INCLUDE AN OMNI PRESSURE COMPENSATING 0.5 GPM FLOW RESTRICTOR AQUASEAL VALVES AND CHROME FINISH. GRID DRAIN; OFFSET PERFORATED WHEELCHAIR LAVATORY DRAIN ASSEMBLY WITH 1-1/2" TAILPIECE, MCGUIRE #155WC. PROVIDE PROTECTIVE INSULATION ON DRAIN AND HOT WATER LINE TO MEET HANDICAP CODE REQUIREMENTS ON ALL INSTALLATIONS WITH EXPOSED PIPING.

P-2B (CHILDREN'S PEDESTAL LAVATORY)
CHILDREN'S PEDESTAL LAVATORY SHALL BE A "RENSUP" ITEM #10792. PROVIDE WITH WHITE CERAMIC 4" CENTER SET FAUCET "RENSUP" ITEM #16424 SINGLE HOLE FAUCET

P-3 (HOSE BIBB)
SHALL BE A ZURN Z-1350 NARROW WALL HYDRANT CAST BRONZE BOX, NON-FREEZE WITH COVER AND CONTROL KEY.

P-4 (ELECTRIC WATER HEATER)
WATER HEATER SHALL BE A LOCHINVAR MODEL HSG9052, 50 GALLON GLASSLINED STORAGE TANK, TALL TYPE WATER HEATER WITH (1) – 9.0 KW ELECTRIC ELEMENT AT 208 VOLTS, SINGLE PHASE INCOMING POWER. 5 YEAR LIMITED WARRANTY ON STORAGE TANK AGAINST TANK FAILURE. WATER HEATER SHALL MEET OR EXCEED ALL APPLICABLE SECTIONS OF ASHRAE STANDARD 90-80A AND NAECA REQUIREMENTS FOR ENERGY CONSERVATION.

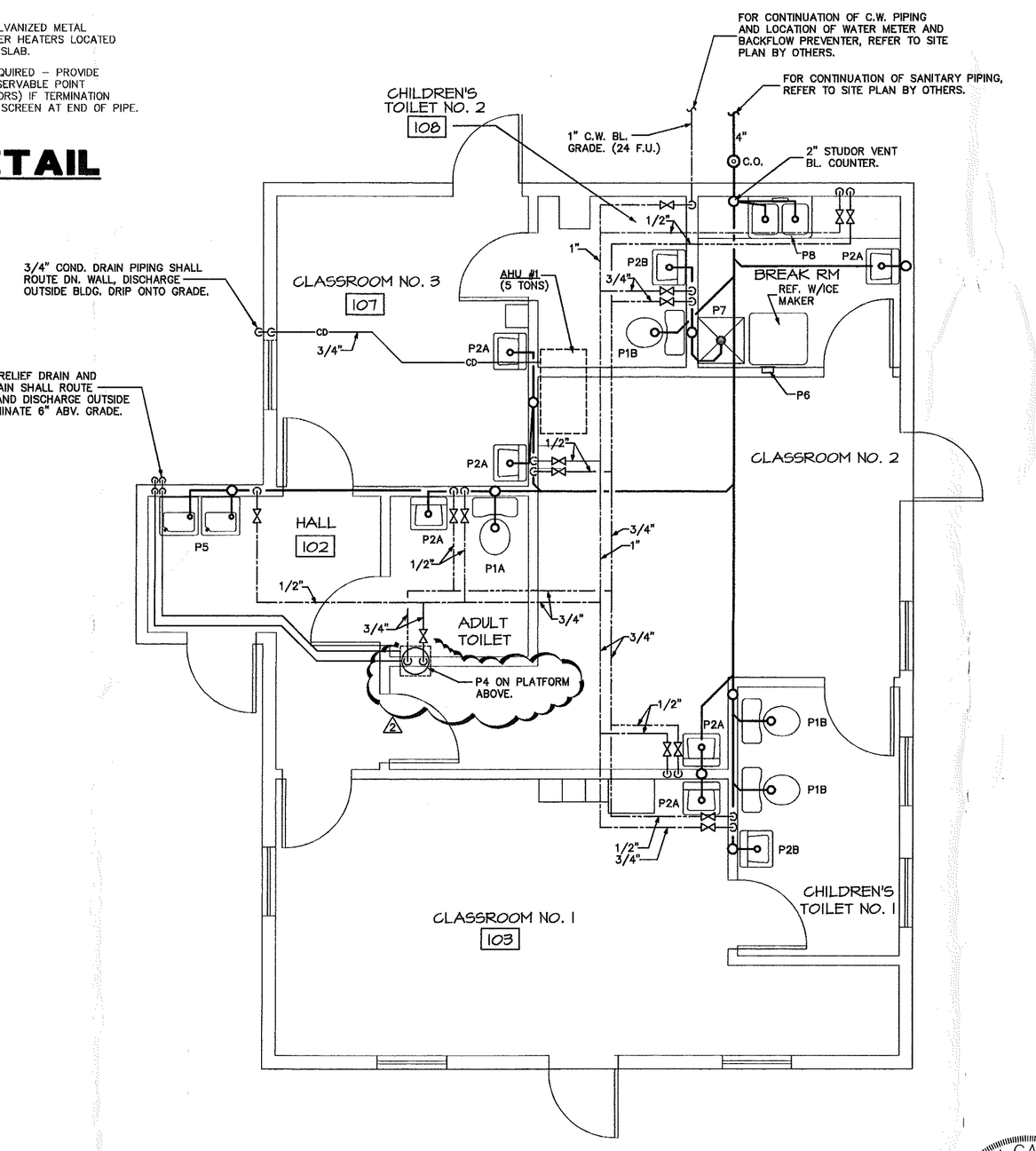
P-5 (HANDICAPED ELECTRIC WATER COOLER COMBINATION HI/LO)
SHALL BE AN OASIS SPLIT LEVEL MODEL P8AMSL, 7.8 GPM, 5.0 FLA AT 120 VOLT WITH A 1/5 HP COMPRESSOR.

P-6 (WATER CONNECTION BOX)
SHALL BE A HIGH QUALITY CONNECTION BOX AS SPECIFIED ON PLUMBINGSUPPLY.COM LOCATED ON THIS PAGE "http://www.plumbingsupply.com/icemaker-outlet-boxes.html" SHALL INCLUDE 2 SUPPORT BRACKETS, HIGH IMPACT POLYSTYRENE, 1/4" BRASS BALL VALVE WITH 1/2" SWEAT CONNECTION. OR APPROVED EQUAL.

P-7 (MOP RECEPTOR)
SHALL BE A FLORESTONE #MSR-2424 24X24X10" MOLDED MOP BASIN WITH 3" OUTLET. PROVIDE WITH MR-371 FAUCET WITH WALL BRACE, PAIL HOOK AND APPROVED VACUUM BREAKER, MR-370 HOSE & HOSE BRACKET, MR-372 MOP HANGER, MR-373 BUMBER GUARDS AND MR-377 STAINLESS TEEL WALL GUARD.

P-8 (HANDICAPPED BREAK ROOM 2 COMP. STAINLESS STEEL SINK)
SHALL BE AN ELKAY PACEMAKER MODEL BPSR23173 SELF RIMMING DOUBLE COMPARTMENT STAINLESS STEEL SINK SHALLOW BOWL (23"LX17"WX6-1/8" D) WITH A CHROME LKDC2432 FAUCET TO INCLUDE 4" WRIST BLADE HANDLES. WATER PIPING AND P-TRAP SHALL BE COVERED WITH AN UNDERSINK PROTECTIVE PIPE COVER KIT BY TRUEBRO (HTTP://WWW.TRUEBRO.COM) OR APPROVED EQUAL.

NOTES:
1.) ALL PLUMBING FIXTURES SHALL BE AS SPECIFIED OR APPROVED EQUAL.
2.) PROVIDE ANGLE STOPS ON ALL WATER SERVICE LINES TO FIXTURES FOR INDIVIDUAL SHUT-OFF.



1 FLOOR PLAN - PLUMBING
SCALE: 1/4"=1'-0"

HVAC SYMBOLS LEGEND

T	THERMOSTAT, MTD +60" AFF
	EXHAUST FAN
	SECTION "A"–"A"
S	REMOTE BULD SENSOR
D	DUCT SMOKE DETECTOR
	TRANSITION
	TURNING VANE
	45° BRANCH DUCT TAKE–OFF
FIRE	FIRE DAMPER
VCD	VOLUME CONTROL DAMPER
	RETURN REGISTER
	SUPPLY DIFFUSER
	RETURN AIR GRILLE
	SUPPLY REGISTER
	AIR FLOW DIRECTION
RTU	ROOF MTD. EXH. FAN
	DUCT TURN DOWN
	DUCT TURN UP
	FLEXIBLE DUCT

TCA JOB# 08071

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NORTH CAROLINA PROFESSIONAL SEAL 09079 ENGINEER TODD W. CAREY

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RENOVATION OF EXISTING BUILDING FOR
GOOD NEWS HOUSE
13123 ALEXANDERANA ROAD
HUNTERSVILLE, NORTH CAROLINA

FLOOR PLAN - PLUMBING

REVISIONS		
NO.	DATE	
1	10/14/08	OWNERS REVISIONS
2	11/11/08	BLDG. DEPT.

JOB NO. 5044.020 SHEET NO. P-1
FILE NO.
DATE 07/23/08
PLATE NO. OF 1

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