- 1. PLUMBING TO BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
- 2. PLUMBING CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES.
- 3. ALL WASTE AND VENT PIPING TO BE SCHEDULE 40 P.V.C.
- 4. WATER LINES TO BE COPPER TYPE K (SOFT DRAWN) BELOW SLAB, AND TYPE L HARD COPPER ABOVE SLAB.
- 5. ALL P.V.C. UNDER SLAB SHALL BE A MINIMUM OF 2" NPS.
- 6. COPPER PIPING TO BE INSULATED WHERE IT PASSES THROUGH CONCRETE.

7. INSULATE HOT & COLD WATER LINES IN ACCORDANCE WITH BUILDING CODE, INSULATE COLD WATER LINES WHERE SWEATING WOULD RESULT IN STRUCTURAL DAMAGE TO BUILDING DUE TO ROTTING OF WOOD OR STAINING OF CEILING

- 8. TRAP PRIMERS SHALL BE INSTALLED ON FLOOR DRAINS.
- 9. LAVATORIES ARE TO BE EQUIPPED WITH CLEAN-OUT TEES BELOW.
- 10. ALL FIXTURES ARE TO BE EQUIPPED WITH SHUT-OFF VALVES ON SUPPLY LINES.

11. ANY FIRE RATED ASSEMBLY PENETRATIONS ARE TO BE PER CODE. CONTRACTOR SHOULD REVIEW ALL FIRE RATING

12. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL PIPING AND EQUIPMENT WITH ALL OTHER TRADES PRIOR TO BEGINNING INSTALLATION TO AVOID CONFLICTS AND INTERFERENCE WITH OTHER TRADES.

13. FINAL UTILITY CONNECTIONS (GAS, ELECTRIC, WATER ETC.) TO EQUIPMENT SHALL BE MADE BY THE CONTRACTOR INSTALLING THE EQUIPMENT REQUIRING THE UTILITIES.

14. PLANS AND ISOMETRICS ARE DIAGRAMMATIC. THERE IS NO INTENT TO INDICATE ALL AND FITTINGS REQUIRED. GENERALLY, PIPING SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO AND PLUMB WITH WALL CONSTRUCTION.

15. SOIL AND WASTE PIPING SHALL BE LAID ON MINIMUM 1/4" PER FT. SLOPE FOR PIPE SIZES LESS THAN 3", AND MINIMUM 1/8" PER FT. FOR PIPE 3" AND LARGER UNLESS OTHERWISE NOTED.

16. UNLESS OTHERWISE NOTED, PLUMBING CONTRACT SHALL TERMINATE AT A POINT FIVE (5) FEET OUTSIDE THE BUILDING. FOR WORK BY OTHER CONTRACTORS OUTSIDE THE 5 FOOT TERMINATION, REFER TO SITE UTILITY DRAWINGS.

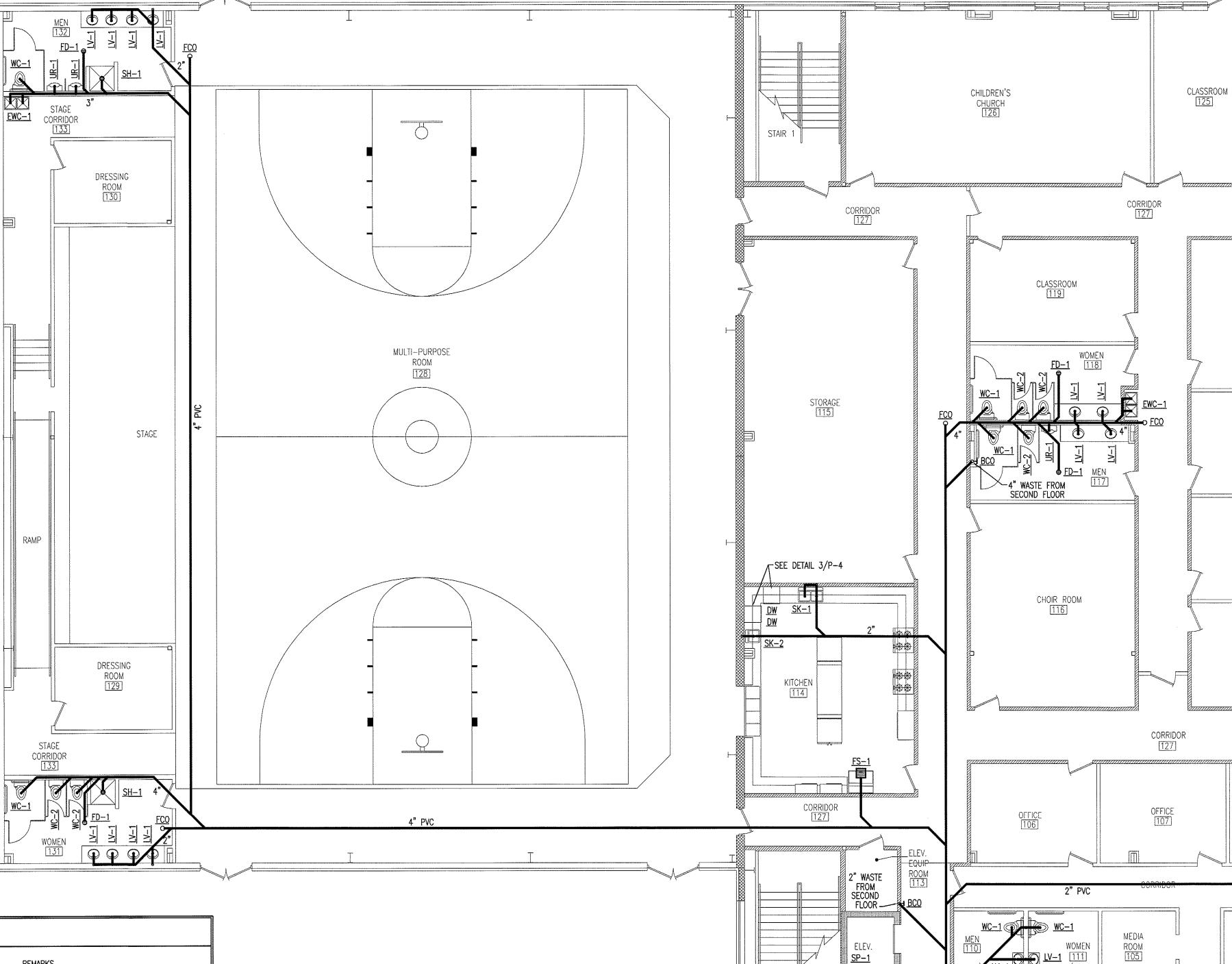
17. VALVES AND DEVICES INSIDE CHASES OR WALLS OR ABOVE NON-ACCESIBLE CEILINGS SHALL BE PROVIDED WITH APPROPRIATELY SIZED ACCESS PANEL COMPATIBLE WITH SURROUNDING FINISHES. SUCH ACCESS PANELS SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR FOR INSTALLATION BY THE GENERAL CONTRACTOR.

18. PLUMBING VENT PIPING PENETRATING ROOF SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR. CUTTING OF HOLES AND FLASHING OF PENETRATIONS SHALL BE BY THE GENERAL CONTRACTOR.

19. REFER TO BUILDING DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS AND PARTITIONS AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS.

PIPING LE	EGEND
SYMBOL	DESCRIPTION
	VENT PIPING
	SEWER PIPING

WALL LEGEND								
SYMBOL	D	ESCRIP	ΓΙΟΝ					
7.777.7777.7777.7777.777.777.77	1-HOUR	RATED	FIRE	WALL				
	3-HOUR	RATED	FIRE	WALL				



2" PVC TO SPILL ON GRADE

FIRST FLOOR
PLUMBING PLAN

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

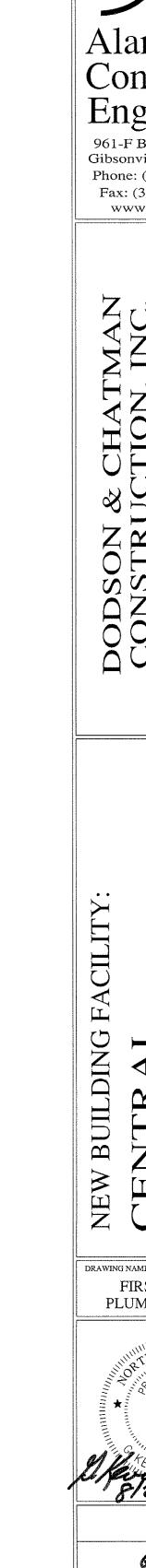
STANCOR
OIL-MINDER
SE50 PUMP

EXTEND AND CONNECT 4" PVC SEWER LINE SLOPED AT

1/8" PER 1'-0"

	PLUMBING FIXTURE SCHEDULE								
ITEM NO	EIVTUDE DECODIDEON			CONNE	CTION SIZI	ES	REMARKS		
ITEM NO.	FIXTURE DESCRIPTION	MANUFACTURER	* MODEL NO.	C.W.	H.W.	WASTE	VENT	REMARKS	
<u>EWC-1</u>	ELECTRIC WATER COOLER - BI-LEVEL	SUNROC	ADAD8BL	1/2"		1-1/2"	1-1/2"	BI-LEVEL WATER COOLER	
<u>WC-1</u>	WATER CLOSET — TANK TYPE	AMER. STD.	2998.012	1/2"		3"	2"	FLOOR MTD. 1.6 GAL/FLUSH, H.C. HEIGHT	
<u>₩C-2</u>	WATER CLOSET - TANK TYPE	AMER. STD.	2898.012	1/2"	-	3"	2"	FLOOR MTD. 1.6 GAL/FLUSH, STANDARD HEIGHT	
<u>LV-1</u>	COUNTER MOUNT LAVATORY	AMER. STD.	0475.020	1/2"	1/2"	1-1/2"	1-1/2"	SINGLE LEVER FAUCET, TRUEBRO PIPING COVERS	
<u>UR−1</u>	URINAL	AMER. STD.	6541.132	3/4"		2"	2"	1.0 GAL/FLUSH, H.C. HGT, SLOAN 186-1 FL. VALVE	
<u>SK-1</u>	DOUBLE COMPARTMENT SINK	STERLING	PR033226	1/2"	1/2"	1-1/2"	1-1/2"	SINGLE LEVER FAUCET, TRUEBRO PIPING COVERS (WHERE PIPING IS EXPOSED)	
<u>SK-2</u>	SINGLE COMPARTMENT SINK	STERLING	PR025226	1/2"	1/2"	1-1/2"	1-1/2"	SINGLE LEVER FAUCET, TRUEBRO PIPING COVERS (WHERE PIPING IS EXPOSED)	
<u>FD-1</u>	FLOOR DRAIN	ZURN	Z-415-B			3"	1-1/2"	BODY ASSEMBLY WITH "TYPE B" STRAINER AND TRAP PRIMER	
<u>FS-1</u>	FLOOR SINK	ZURN	Z-1902			3"	1-1/2"	10" DEEP, 12" x 12" FLOOR RECEPTOR	
FPWH-1	FROST PROOF WALL HYDRANT	WOODFORD	65	1/2"			_	MOUNT 24" ABOVE GRADE LEVEL	
<u>IB-1</u>	ICE MAKER BOX	PPP	MM-500-MIMB	1/2"	<u> </u>		<b>-</b>	MIP VALVE WITH SHOCK ARRESTOR	
<u>DW</u>	DISHWASHER		_		1/2"	1-1/2"		BY OWNER, DOMESTIC TYPE, SEE DETAIL 3/P-4	
FC0	FLOOR CLEAN OUT	ZURN	Z-1400					SIZE DETERMINED UPON WASTE PIPE	
YCO YCO	YARD CLEAN OUT	ZURN	Z-1470					WITH FLANGED ACCESS BOX SIZE DETERMINED UPON WASTE PIPE	
BCO	BASE CLEAN OUT	ZURN	Z-1441					SIZE DETERMINED UPON WASTE PIPE	
<u>HD-1</u>	HUB DRAIN	CHARLOTTE PLASTICS	4°x2°			2"	1-1/2"	_	
<u>MS−1</u>	MOP SINK	STERN WILLIAMS	HL-2100-BP-3	1/2"	1/2"	2"	1-1/2"	WITH STAINLESS STEEL SPLASH GUARDS	

\* FIXTURE MODEL NUMBERS LISTED ARE FOR DESCRIPTION ONLY.



CLASSROOM 123

CLASSROOM [122]

CLASSROOM [121]

CLASSROOM [120]

ELECTRICAL/WORK ROOM 108

ASSOC. PASTOR'S

PASTOR'S OFFICE [103]

ш

RECEPTION [102]

PUMP [134]

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HURCH BAPTIST

DRAWING NAME FIRST FLOOR PLUMBING PLAN

JNK CHECKED G/48 8/26/09 SCALE AS NOTED

JOB NO.

9076



PIPING LE	EGEND
SYMBOL	DESCRIPTION
	VENT PIPING
	SEWER PIPING

WALL LEGEND								
SYMBOL	DESCRIPTION							
	1-HOUR RATED FIRE WALL							
	3-HOUR RATED FIRE WALL							

	WASTE AND WATER CALCULATIONS									
FIXTURE TYPE	QUANTITY	WASTE FIX	WASTE FIXTURE UNITS		HOT WATER FIXTURE UNITS		COLD WATER FIXTURE UNITS		TOTAL WATER FIXTURE UNITS	
PIXIURE TIPE	QUANTITI	PER UNIT	TOTAL	PER UNIT	TOTAL	PER UNIT	TOTAL	PER UNIT	TOTAL	
WATER CLOSET - TANK	16	4	64	0		5	80	5	80	
URINAL	4	4	16	0		5	20	5	20	
LAVATORY	18	1	18	1.5	27	1.5	27	2	36	
FLOOR DRAIN	6	2	12	0		0		0		
DRINKING FOUNTAIN	3	0.5	1.5	0		0.25	0.75	0.25	0.75	
SINK	2	2	4	1	2	1	2	1.4	2.8	
TUB/SHOWER	2	2	4	1	2	1	2	1.4	2.8	
HOSE BIBB	4	0		0		0.5	2	0.5	2	
DISHWASHER	2	2	4	1.4	2.8	0		1.4	2.8	
FLOOR SINK	1	2	2	0		0		0		
ICE MAKER BOX	1	0		0		0.25	0.25	0.25	0.25	
MOP SINK	2	2	4	2.25	4.5	2.25	4.5	3	6	
TOTAL			129.5		38.3		138.5		153.4	

1. 4" WASTE LINE SLOPED AT 1/8" PER 1'-0" IS ADEQUATE FOR 180 FIXTURE UNITS
2. 2" WATER LINE IS ADEQUATE FOR 120 GPM.

GPM = 57

SECOND FLOOR
PLUMBING PLAN

STORAGE 201

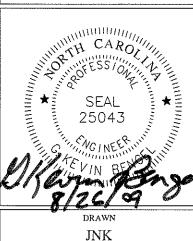
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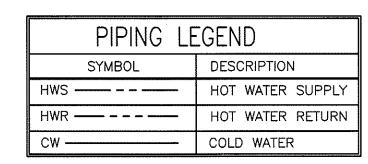
NEW BUILDING FACILITY:

SECOND FLOOR PLUMBING PLAN



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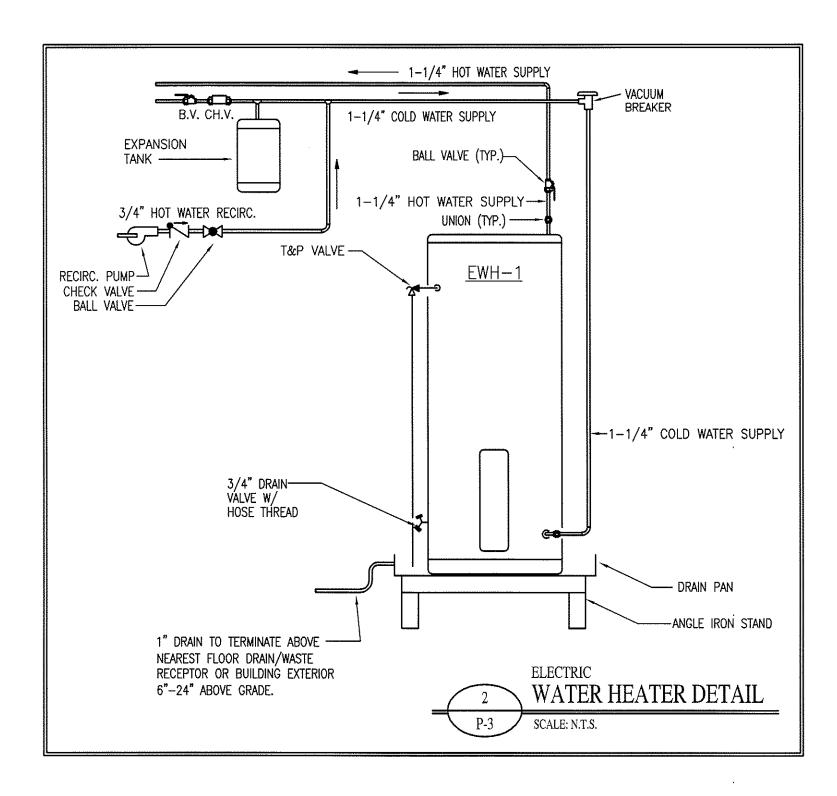
8/26/09 SCALE AS NOTED JOB NO. 9076

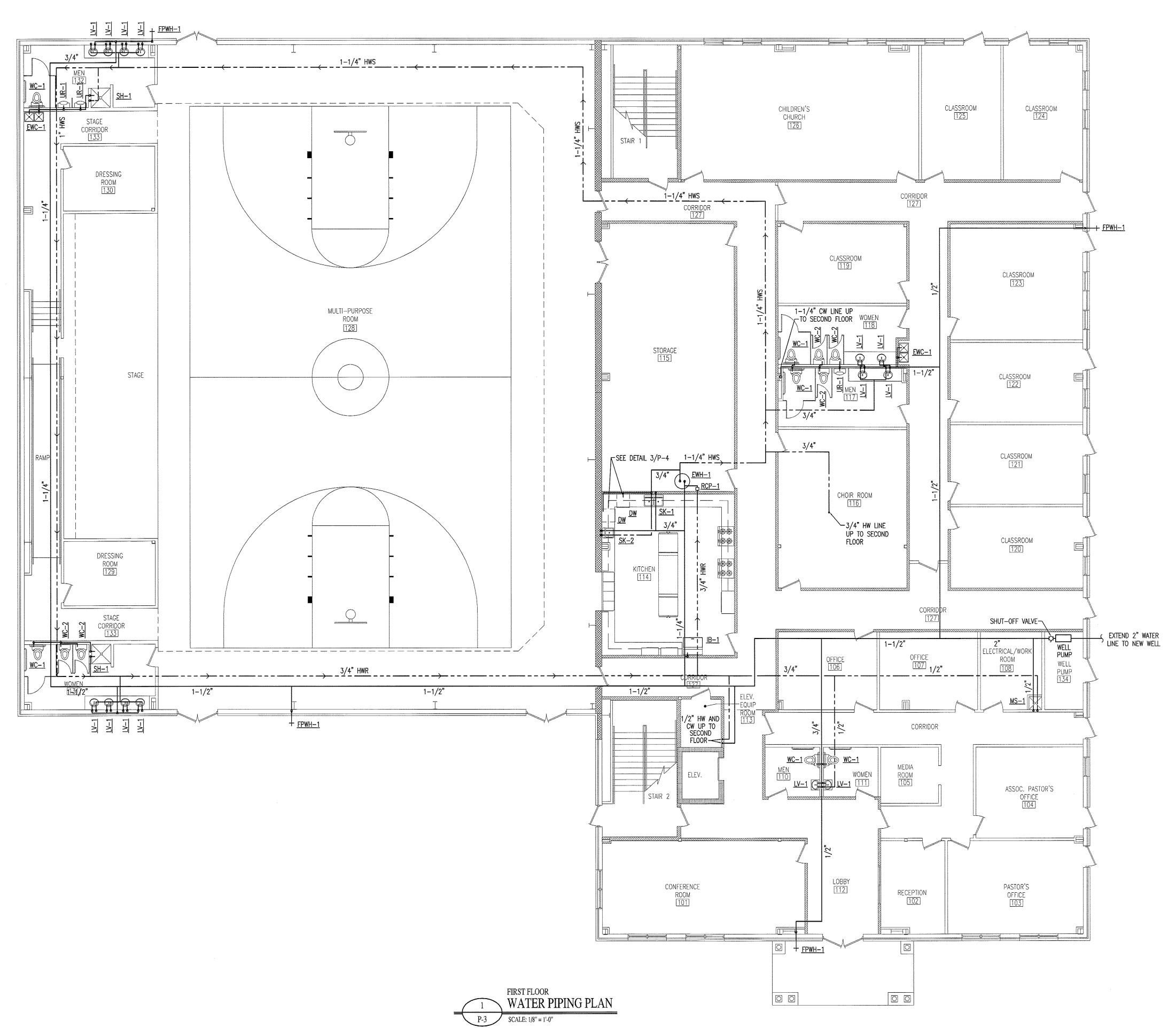


WA	ALL LEGEND
SYMBOL	DESCRIPTION
	1-HOUR RATED FIRE WALL
	3-HOUR RATED FIRE WALL

PUMP SCHEDULE									
MARK	MANUFACTURER	MODEL NO.	GPM	HEAD (FT.)	HP	VOLTAGE			
RCP-1	В& С	PL-30	4	17	1/12	115V/1ø			

		raw	ER HE	ATER	SCHE	OULE	
MARK	TANK VOLUME	RECOVERY	Temperature Rise	ELEMENT SIZE	POWER	MANUFACTURER	MODEL
<u>EWH-1</u>	81 GAL.	93 GPH	80*	18 KW	208V/3ø	RHEEM/RUUD	E85A-81-GS





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ONSTRUCTIO
ANTHONY CRI. S.
INGTON, NC 27215
JF. (336) 229-0539

NEW BUILDING FACILITY:
CENTRAL
BAPTIST CHURCH

DRAWING NAME
FIRST FLOOR
WATER PIPING PLAN

SEAL 25043

DRAWN

JNK

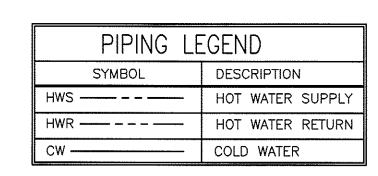
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DRAWN
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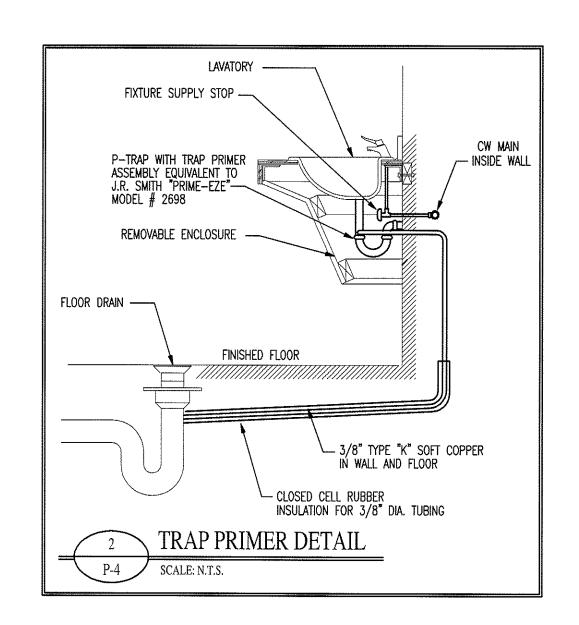
DATE
8/26/09
SCALE
AS NOTED
JOB NO.

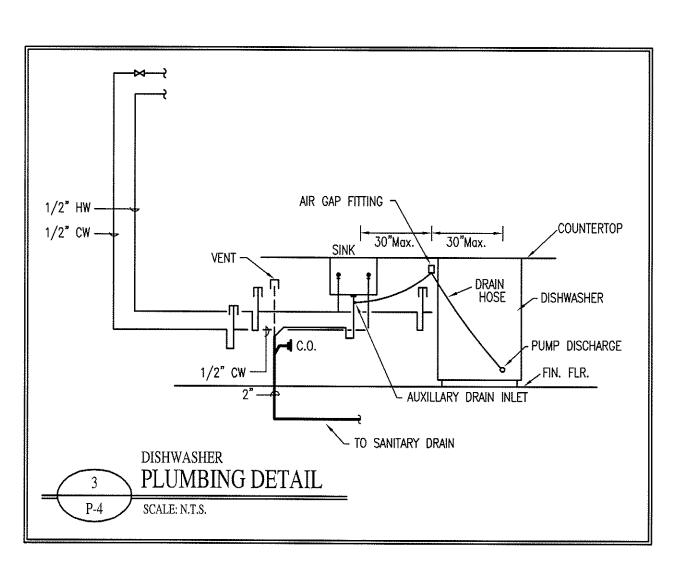
P-3

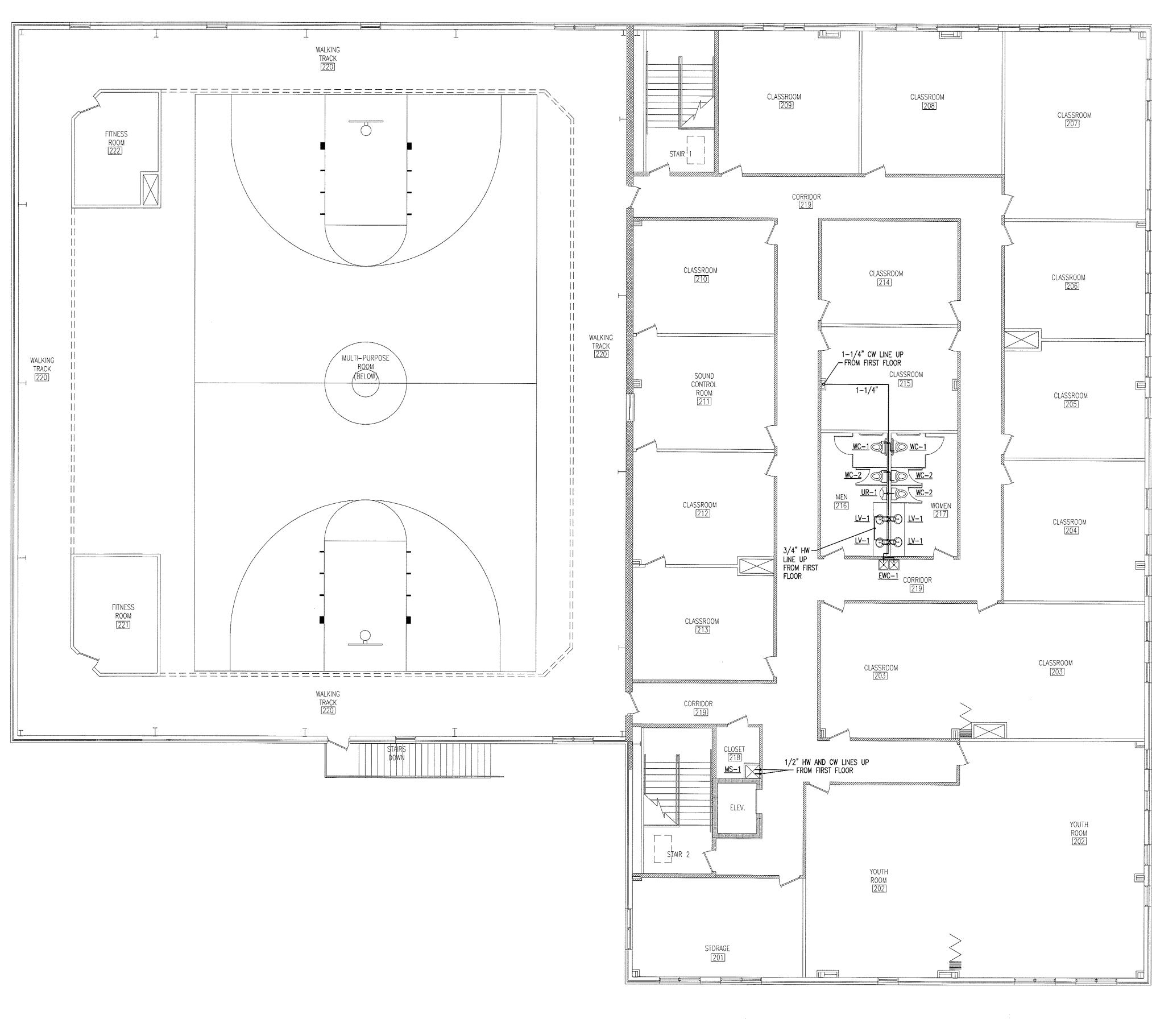
9076



WALL LEGEND								
SYMBOL DESCRIPTION								
7.7777777777777777777777777777777777777	1-HOUR RATED FIRE WALL							
	3-HOUR RATED FIRE WALL							

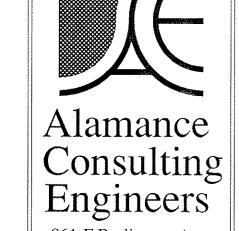








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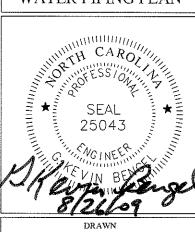
CONSTRUCTI
3246 ANTHONY CRT. S.
BURLINGTON, NC 27215
PHONE: (336) 229-0539

NEW BUILDING FACILITY:
CENTRAL
BAPTIST CHURCH

North Carolina

Oak Ridge,

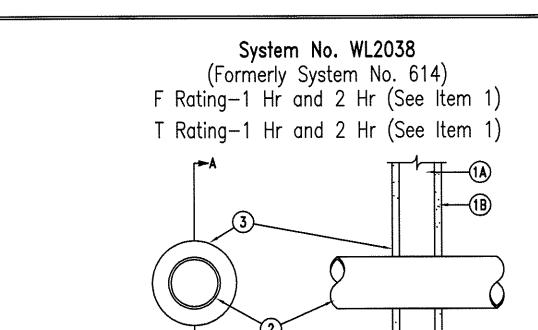
DRAWING NAME
SECOND FLOOR
WATER PIPING PLAN



DRAWN
JNK
CHECKED
SILIS
DATE
8/26/09
SCALE
AS NOTED

job no. 9076 sheet

P-4



1. Wall Assembly — The 1 or 2 hr fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 series wall and partition designs in the UL Fire Resistance Directory and

shall include the following construction features:

A. Studs — wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. oc. steel studs to be min 2-1/2 in. wide and spaced max 24 in. oc.

B. Wallboard, Gypsum\* — 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastner type and sheet orientation shall be as specified in the individual U300 or U400 Series design in the UL Fire Resistance

Directory. Max diameter of opening is 4-3/8 in.

The hourly F and T ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

SECTION A-A

2. Through Penetrants — One nonmetallic pipe, conduit or tubing to be centered within the firestop system. The max. diam of the through penetrant and annular space within the firestop system is dependent upon the type of fill material (Item 3). Pipe, conduit or tubing to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes, conduits or tubing may be used:

A. Polyvinyl Chloride (PVC) Pipe - Nom 2 in. diam (or smaller) Schedule 40 solid core PVC pipe for use in closed process or supply piping systems.

B Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 2 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) piping systems.

C. Rigid Nonmetallic Conduit+ - Nom 2 in. diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electric Code (NFPA No. 70). 3. Fill, Void or Cavity Material\* - Sealant - In 2 hr fire rated assemblies, min 1-1/4 in. thickness

of fill material applied within the annulus, flush with both surfaces of wall. In 1 hr fire rated assemblies, min 5/8 in. thickness of fill material applied within the annulus, on both surfaces of wall. Additional fill material to be installed such that a min 5/8 in. thick crown is formed around the penetrating item and lapping a min 1 in. beyond the periphery of the opening.

The max diam of the through penetrant and annular space within the firestop system is dependent upon the type of fill material as tabulated below:

Max Diam Of Through Penetrant In.

Nom Annular Space in.

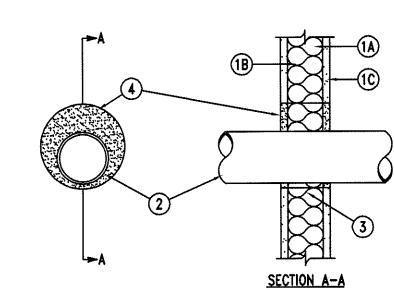
Fill Material Type FSP 1100 Putty FS 1900 Sealant

International Protective Coatings Corp. - FSP 1100 Putty or FS 1900 Sealant.

† Bearing the UL Listing Mark

\* Bearing the UL Classification Marking

System No. WL1039 (Formerly System No. 605) F Rating-1 Hr T Rating-0 and 1 Hr (See Item 2)



1. Wall Assembly — The fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 series wall and partition designs in the UL Fire Resistance Directory and shall include the following construc tion features:

A. Studs - wall framing may consist of either wood studs or steel to consist of nom 2 by 4 in. lumber spaced 16 in. oc. steel studs to be min 2-1/2 in. wide and spaced max 24 in. oc.

B. Batts and Blankets\* — Nom 1-1/2 in. thick mineral wool batts friction fitted to fill interior

of stud cavities.

C. Wallboard, Gypsum — Two layers of nom 1/2 in. thick gypsum wallboard, as specified in the individual wall and partition design. max diam of opening is 7 in.

2. Through Penetrants — One metallic pipe, conduit or tubing to be installed in either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or

tubing may be used:

A. Steel Pipe - Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. The annular space shall be min 1/4 to max 1-1/4 in. When steel pipe is used T Rating is 0 hr.

B. Conduit - Nom 4 in. diam or smaller electrical metallic tubing or steel conduit. The annular space shall be min 1/4 to max 1-1/4 in. When conduit is 1/2 in. diam or less,

T Rating is 1 hr.

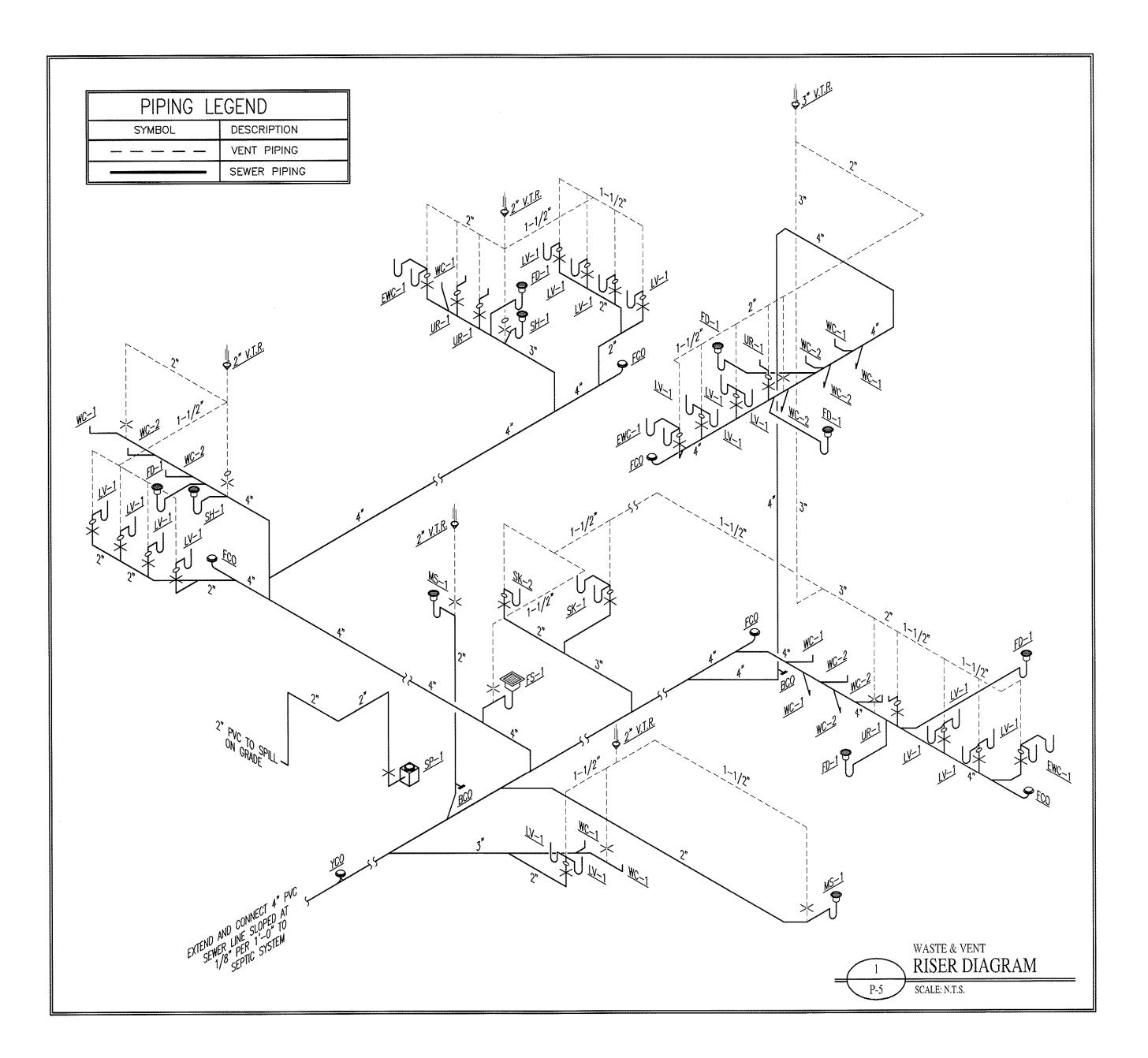
C. Copper Tubing — Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing. the annular space shall be min 1/4 to max 1-1/4 in.When copper tubing is used, T Rating

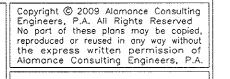
3. Forming Material\* — Min 2-1/2 in. thickness of min 3.5 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Forming material to be recessed from both surfaces of wall to accommodate the required thickness of fill material. USG Interiors Inc. - Type SAF

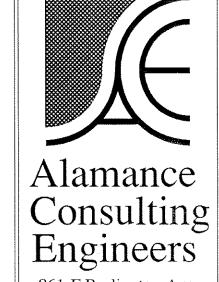
4. Fill, Void or Cavity Material\* - Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Dry mix material at a rate of 2.1 parts dry mix to 1 part water by weight in accordance with the accompanying installation instructions. United States Gypsum Co. — Type FC

\*Bearing the UL Classification Marking





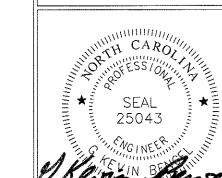




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NEW BUILDING FACILITY: CHURCH APTI

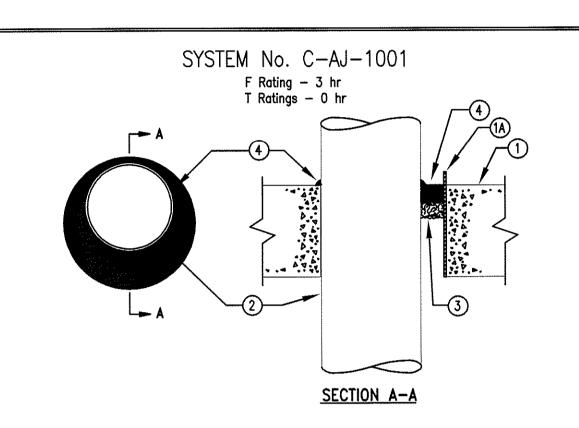
M DRAWING NAME PLUMBING **DETAILS** 



JNK CHECKED GKB

8/26/09 AS NOTED JOB NO.

9076



- Floor or Wall Assembly Min 4-1/2 in. thick lightweight or normal weight (100-150pcf) concrete. Wall
  may also be constructed of any UL Classified Concrete Blocks\*. Max diam of circular through opening is
  22-1/2 in.
- See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

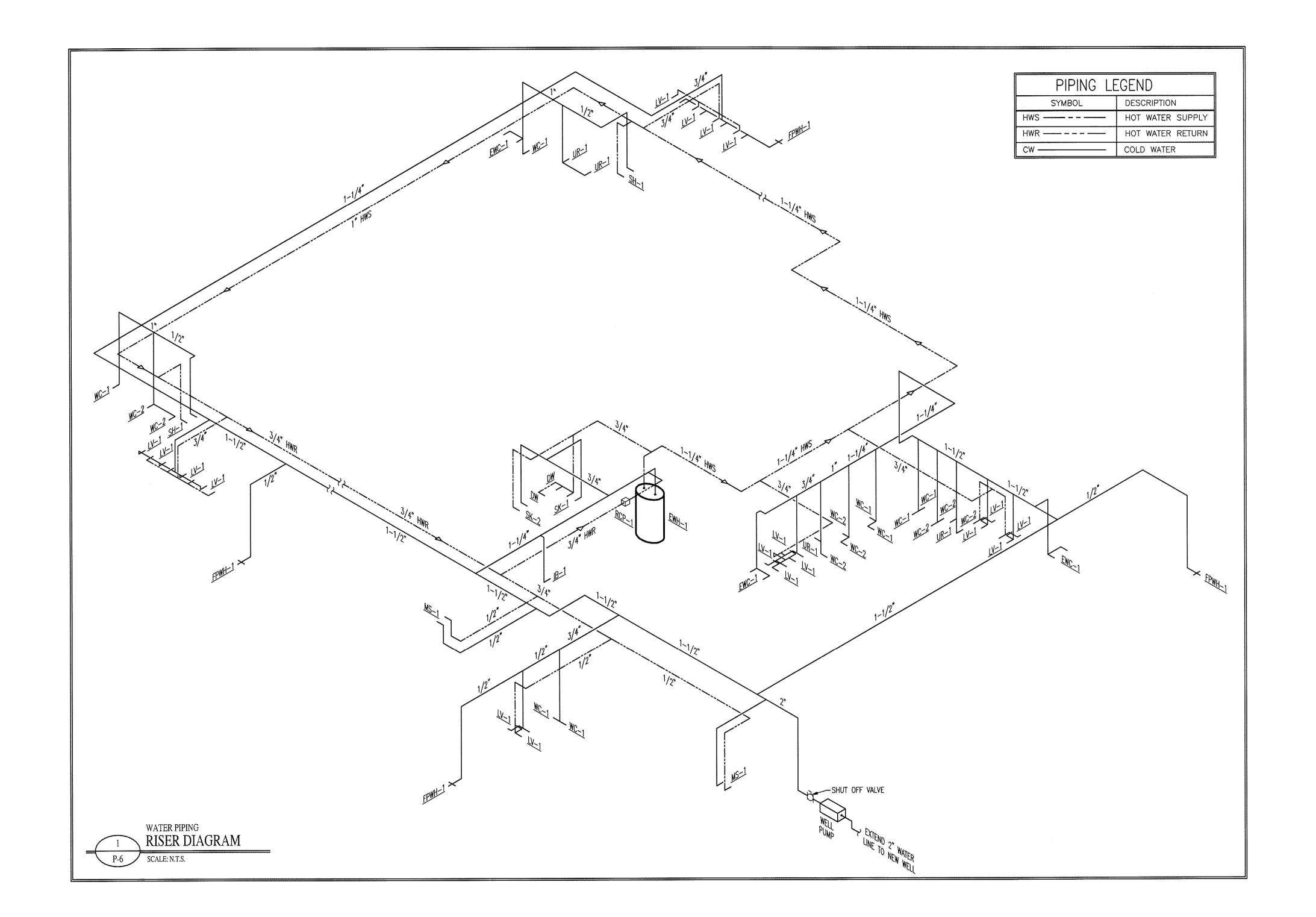
  1A. Steel Sleeve (Optional, not shown) Nom. 12 in. diam (or smaller) Schedule 40 (or heavier) steel pipe sleeve cast into concrete floor or wall. Sleeve to be flush with or project max 2 in. from top surface of floor or from both surfaces of wall.
- 2. Pipe or Conduit Nom 20 in. diam. (or smaller) Schedule 10 (or heavier) steel pipe, nom. 6 in. diam. (or smaller) rigid steel conduit or Type L (or heavier) copper tube, nom. 4 in. diam. (or smaller) cast iron pipe or steel EMT. Max one pipe or conduit per through opening. Max annular space between pipe or conduit and edge of through opening not to exceed 2-1/2 in. Min. annular space between pipe or conduit and edge of through opening is zero in. (point contact). Pipe or conduit to be rigidly supported on both sides of floor or wall assembly.
- 3. Packing material Polyethylene backer rod or nom. 1 in. thickness of tightly—packed ceramic (alumina silica) fiber blanket, mineral wool batt or glass fiber insulation material used as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of solid concrete or concrete block wall as required to accommodate the required thickness of caulk fill material (Item4). As an alternate when max pipe size is 10 in. diam. And when max annular space is 1 in., a min. 1 in. thickness of tightly—packed ceramic fiber blanket or mineral wool batt packing material may be recessed min. ½ in. from bottom surface of floor or from either side of solid concrete wall.
- 4. Fill, Void, or Cavity Materials\* Caulk Applied to fill the annular space to the min thickness shown in the following table:

Max Pipe Diam In	Max Annular Space In	Packing Material Type (a)	Min Caulk Thkns In
10	1	BR, CF, GF, or MW	1/2 (b)
10	1	CF or MW	1/2 (c)
20	2-1/2	BR, CF, GF, or MW	1 (b)

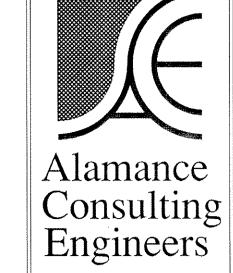
- (a) BR=Polyethylene backer rod. GF=Glass fiber insulation.
   CF=Cermaic fiber blanket. MW=Mineral-wool batt.
- (b) Caulk installed flush with top surface of floor or both surfaces or wall.
- (c) Caulk installed flush with bottom surface of floor or one surface of solid
- (non-concrete block) wall.
- Minnesota Mining & Mfg. Co. CP 25N/S

  \* Bearing the UL Classification Marking





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RLINGTON, NC 27215
DNE: (336) 229-0539

NEW BUILDING FACILITY:

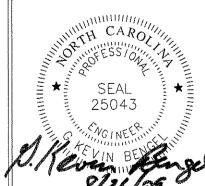
CENTRAL

BAPTIST CHURCH

DRAWING NAME

WATER PIPING

RISER DIAGRAM



JNK
CHECKED
S/48
DATE
8/26/09

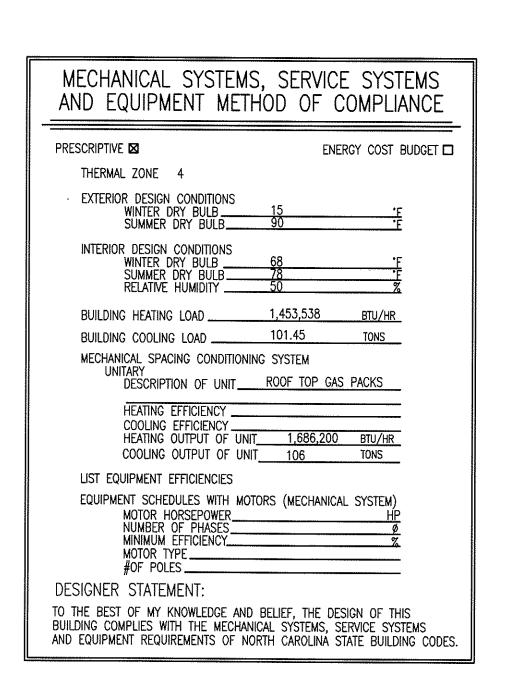
DATE 8/26/09 SCALE AS NOTED JOB NO.

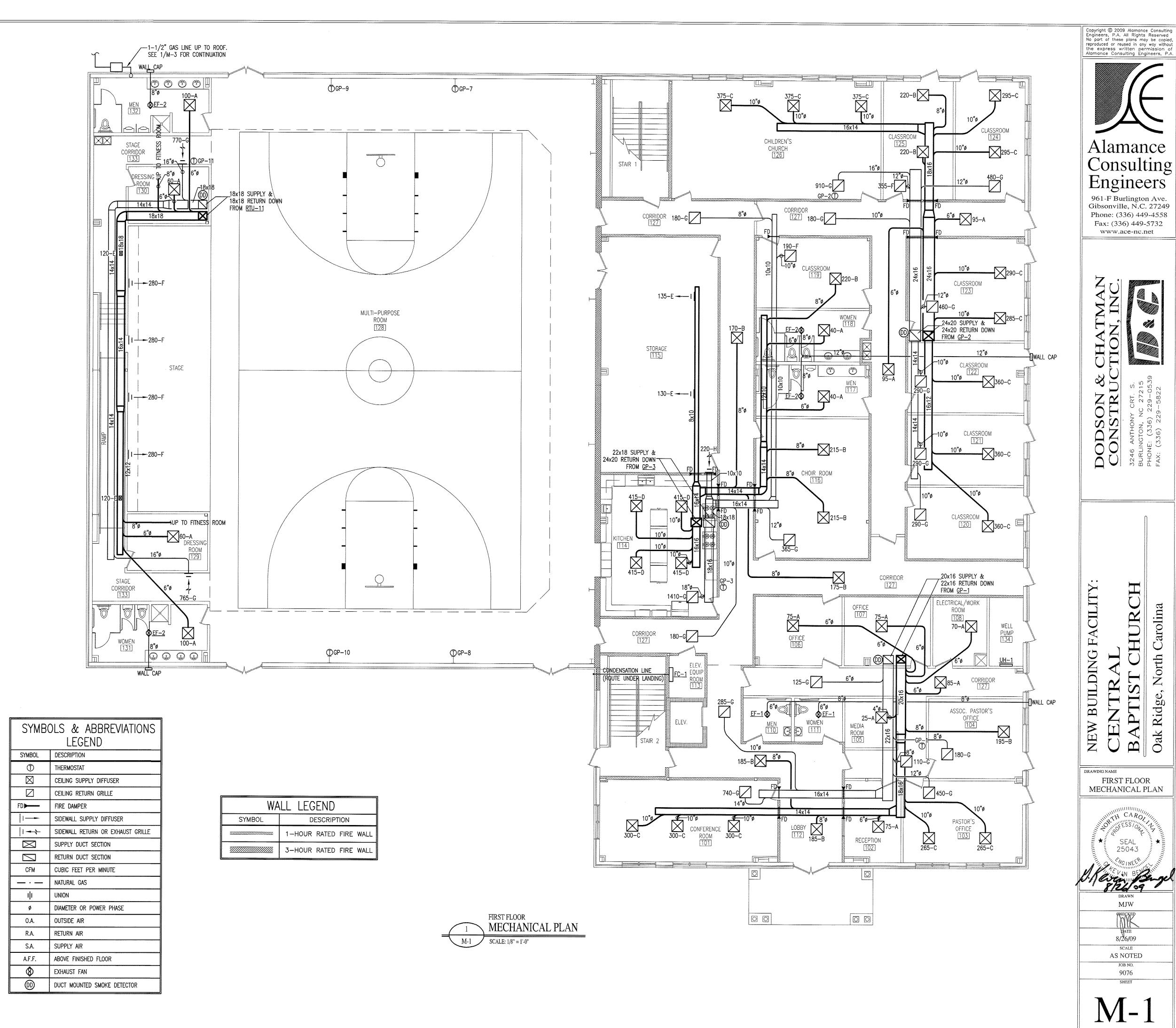
9076

SHEET

## **MECHANICAL NOTES:**

- 1. ALL HVAC EQUIPMENT AND DUCTWORK TO BE INSTALLED IN ACCORDANCE WITH STATE AND LOCAL CODES.
- 2. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DUCTWORK, PIPING, AND ELECTRICAL REQUIREMENTS WITH ALL OTHER TRADES PRIOR TO BEGINNING INSTALLATION TO AVOID CONFLICTS AND INTERFERENCE WITH OTHER TRADES.
- 3. ALL EQUIPMENT TO BE INSTALLED AS SUGGESTED BY MANUFACTURER.
- 4. INSULATE SUPPLY AND RETURN DUCTWORK LOCATED IN UNCONDITIONED SPACES BY WRAPPING WITH INSULATION WITH A MINIMUM INSTALLED R-VALUE OF 5.0. DIMENSIONS SHOWN ARE INSIDE CLEAR AREA DIMENSIONS.
- 5. FIRST 10' FROM THE HVAC UNIT OF EXPOSED INTERIOR DUCTWORK MUST BE INSULATED WITH 1" DUCT LINER.
- 6. INSTALL WASHABLE SCREEN FILTER ON OUTSIDE AIR INTAKE OF ROOF TOP UNITS.
- 7. MECHANICAL SYSTEM TO BE BALANCED AND TESTED AFTER INSTALLATION TO ASSURE PROPER OPERATION.
- 8. COORDINATE EXACT LOCATION OF THERMOSTATS WITH OWNER.
- 9. ANY FIRE RATED ASSEMBLY PENETRATIONS ARE TO BE PER CODE. CONTRACTOR SHOULD REVIEW ALL FIRE RATING PENETRATIONS.
- 10. BATHROOM EXHAUST FANS ARE TO BE FURNISHED, INSTALLED AND DUCTED TO OUTDOORS BY THE MECHANICAL CONTRACTOR. EXHAUST FAN TO BE WIRED BY THE ELECTRICAL CONTRACTOR.
- 11. SMOKE DETECTORS ARE TO BE PROVIDED IN RETURN AIR DUCT OF EACH UNIT AHEAD OF MAKE-UP AIR CONNECTIONS TO SHUT DOWN THE UNIT IN CASE OF FIRE.
- 12. DUCT SMOKE DETECTORS ARE TO BE CONNECTED TO FIRE ALARM.
- 13. EXHAUST FAN DISCHARGE TO BE AT LEAST TEN FEET AWAY FROM HVAC FRESH AIR IN-TAKE.
- 14. GAS PIPING BASED ON 2 PSI GAS PRESSURE. VERIFY ALL GAS LINES SIZES WITH GAS COMPANY.
- 15. ALL GAS PIPING TO BE BLACK STEEL PIPING WITH PROTECTIVE PAINT.
- 16. GAS FURNACES ARE TO BE PROVIDED WITH COMBUSTION AIR IN ACCORDANCE WITH MECHANICAL CODE.
- 17. SEALED COMBUSTION GAS FURNACES AND/OR WATER HEATERS ARE TO BE EQUIPPED WITH A CONCENTRIC PVC VENT. VENT TO BE SIZED PER MANUFACTURERS SPECIFICATIONS.
- 18. GAS REGULATORS FOR HVAC EQUIPMENT TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
- 19. FINAL UTILITY CONNECTIONS (GAS, ELECTRIC, ETC.) TO EQUIPMENT SHALL BE MADE BY THE CONTRACTOR INSTALLING THE EQUIPMENT REQUIRING THE UTILITIES.
- 20. DUCT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW THE INTENT OF THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY ADDITIONAL TRANSITIONS, OFFSETS, OR TURNS, IN THE DUCTWORK AND/OR PIPING, NOT SHOWN BUT REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
- 21. ALL DUCTWORK SHALL BE INSTALLED TIGHT AGAINST THE STRUCTURE UNLESS OTHERWISE NOTED OR SHOWN.
- 22. AIR DISTRIBUTION LOCATIONS SHOWN ON MECHANICAL PLANS ARE APPROXIMATE. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR ACTUAL LOCATIONS.
- 23. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS AND PARTITIONS AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS.
- 24. PRESSURE REGULATORS FOR GAS KITCHEN EQUIPMENT TO BE PROVIDED BY AND INSTALLED BY CONTRACTOR INSTALLING THE GAS PIPING.
- 25. ELECTRICAL POWER REQUIREMENTS ARE BASED ON MANUFACTURER'S PUBLISHED DATA. IF ACTUAL UNIT IS A DIFFERENT MANUFACTURER OR THE ACTUAL PURCHASED UNIT(S) OTHERWISE HAVE DIFFERENT ELECTRICAL LOAD (MCA) OR CIRCUIT BREAKER (MCB) REQUIREMENTS THAN WHAT IS PUBLISHED ON THE DRAWING SCHEDULE, THE MECHANICAL CONTRACTOR MUST SUBMIT THE CORRECT DATA IN WRITING TO THE GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR (IF KNOWN). IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE GC AND ELECTRICAL CONTRACTOR ARE NOTIFIED OF CHANGES IN THE MECHANICAL EQUIPMENT, WHICH WILL CHANGE THE ELECTRICAL WIRING, BREAKER SIZES OR QUANTITY OF





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