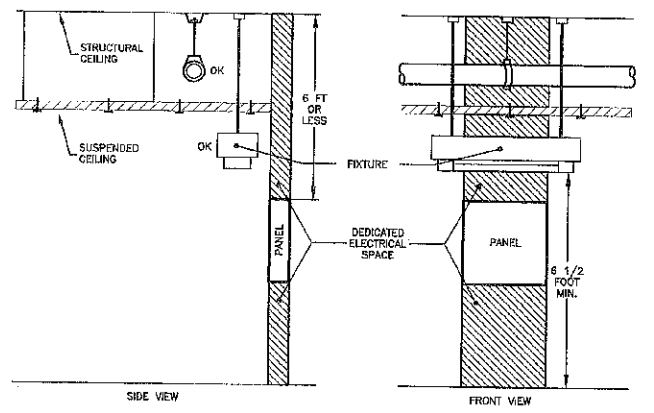


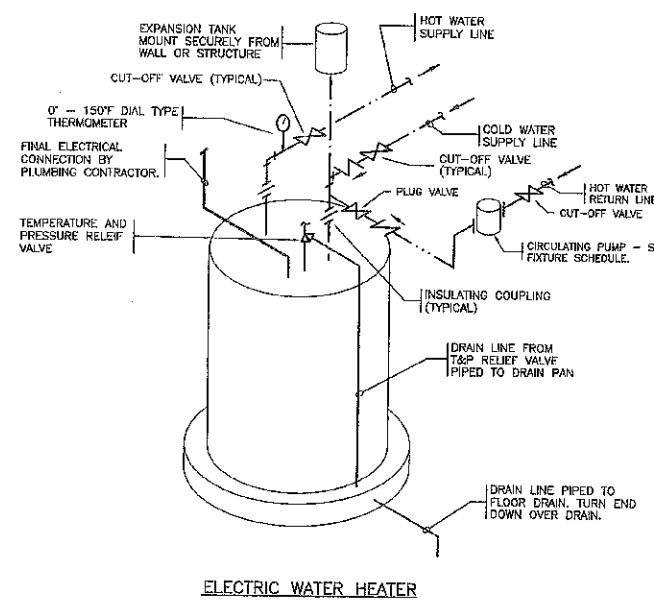
WORKING CLEARANCE FOR ELECTRICAL EQUIPMENT
N.E.C ARTICLE 110-26

DETAIL 6
NO SCALE P-3



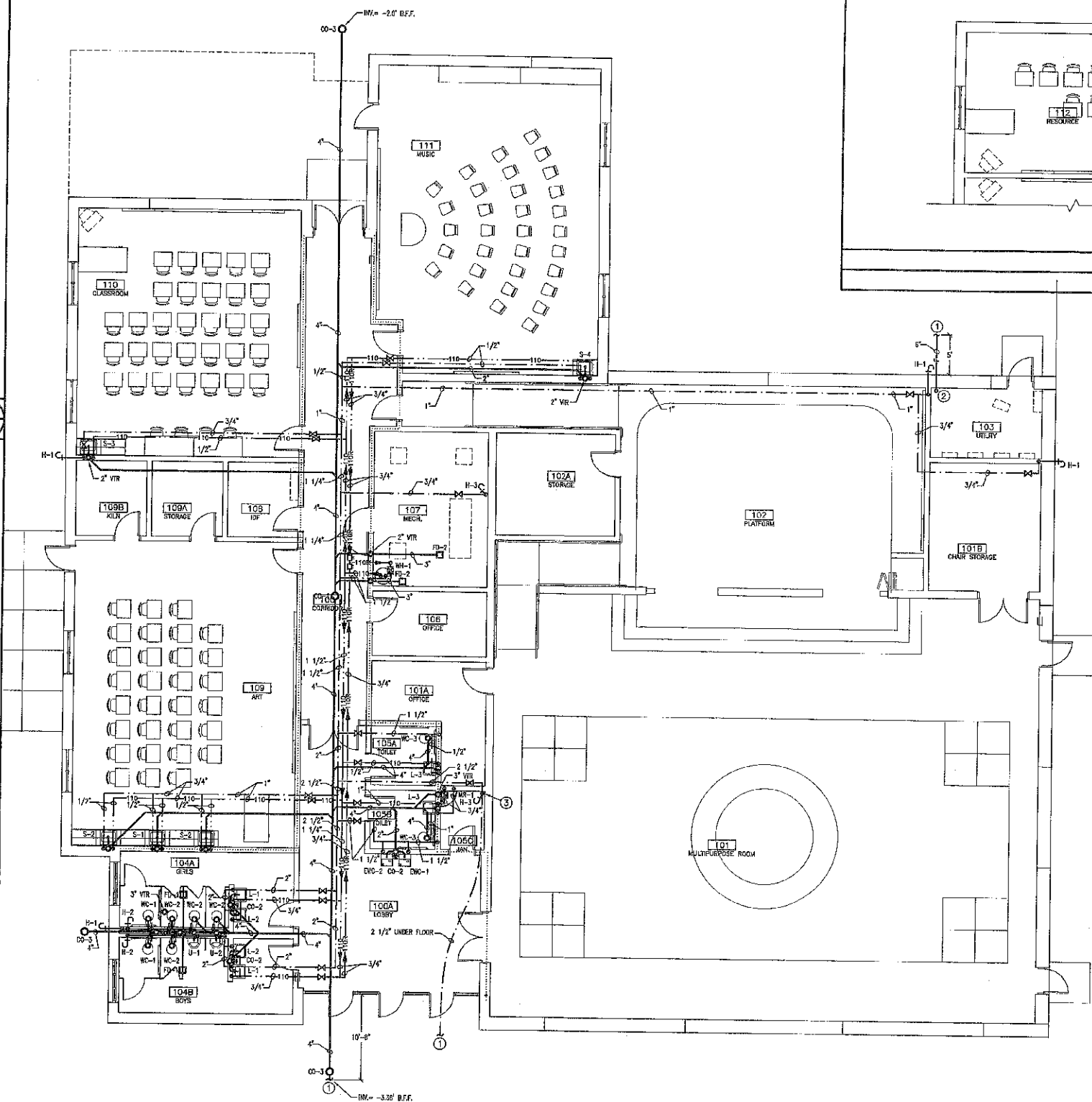
DEDICATED SPACE FOR ELECTRICAL EQUIPMENT
N.E.C ARTICLE 110-26(F)(1)

DETAIL 4
NO SCALE P-3



ELECTRIC WATER HEATER

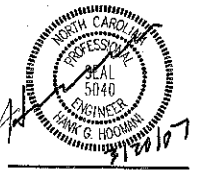
DETAIL 2
NO SCALE P-3



PLUMBING FLOOR PLAN - ALT. #1
1/8" = 1'-0" P-3

NOTES: (AS INDICATED ON THIS PLAN BY A NUMBER IN A ○)
① CONTINUING BY THE GENERAL CONTRACTOR.
② THE PLUMBING CONTRACTOR SHALL CONNECT TO THE FIRE MAIN AT APPROXIMATELY 5'-0" FROM THE BUILDING. BRING FIRE MAIN INTO THE MECHANICAL ROOM AND RISE 12" ABOVE FINISHED FLOOR. TERMINATE WITH A BLIND FLANGE FOR CONTINUATION BY THE SPRINKLER CONTRACTOR.
③ MAIN 2 1/2" WATER ENTERING THE BUILDING. PROVIDE HOSE BIBB DRAIN AND MAIN WATER SHUT-OFF VALVE IN VERTICAL PIPE.

NOTES 3
NO SCALE P-3



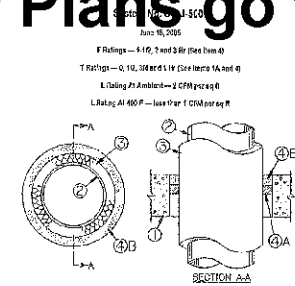
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ADDITIONS
BLUE CREEK & NORTHWOODS ELEMENTARY SCHOOLS
PLUMBING FLOOR PLAN - NORTHWOODS ELEM.

Project #: 002810001
Drawn By: 02533222 CLR
Checked By: HSH
Issue Date: 02/28/2007
Revisions:

PLUMBING FLOOR PLAN - NORTHWOODS ELEMENTARY SCHOOL
1/8" = 1'-0" P-3

P-3



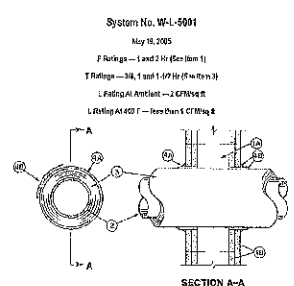
1. Floor or Wall Assembly — Min 2 1/2" (64 mm) thick reinforced concrete or masonry wall (1000-2000 kg of concrete, 1000-2000 kg of masonry). Wall assembly to be constructed of 95% U.S. Content Concrete Blocks, (Manufacturer's literature for use of manufacturer).

2. Through Penetration — One must be able to run pipe or cable through floor or wall assembly. The following types of materials may be used:

- A. Steel Pipe — Min 1 1/2" (38 mm) dia. (100 mm dia. for heating/cooling) galvanized steel pipe or galvanized steel pipe with epoxy coating.
- B. Copper Pipe — Min 1 1/2" (38 mm) dia. (100 mm dia. for heating/cooling) copper pipe.
- C. Cast Iron Pipe — Min 1 1/2" (38 mm) dia. (100 mm dia. for heating/cooling) cast iron pipe.
- D. PVC Pipe — Min 1 1/2" (38 mm) dia. (100 mm dia. for heating/cooling) PVC pipe.
- E. Fiberglass Reinforced Plastic (FRP) Pipe — Min 1 1/2" (38 mm) dia. (100 mm dia. for heating/cooling) FRP pipe.

Min. Size of Main Pipe	Min. Size of Branch Pipe	Min. Size of Tee	Min. Size of Elbow	Min. Size of Coupling	Min. Size of Flange	Min. Size of Valve
2 1/2" (64 mm)	1 1/2" (38 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)	2 1/2" (64 mm)
4" (102 mm)	2" (51 mm)	4" (102 mm)	4" (102 mm)	4" (102 mm)	4" (102 mm)	4" (102 mm)
6" (152 mm)	3" (76 mm)	6" (152 mm)	6" (152 mm)	6" (152 mm)	6" (152 mm)	6" (152 mm)
8" (203 mm)	4" (102 mm)	8" (203 mm)	8" (203 mm)	8" (203 mm)	8" (203 mm)	8" (203 mm)
10" (254 mm)	5" (127 mm)	10" (254 mm)	10" (254 mm)	10" (254 mm)	10" (254 mm)	10" (254 mm)

DETAIL 3
NO SCALE
P-7

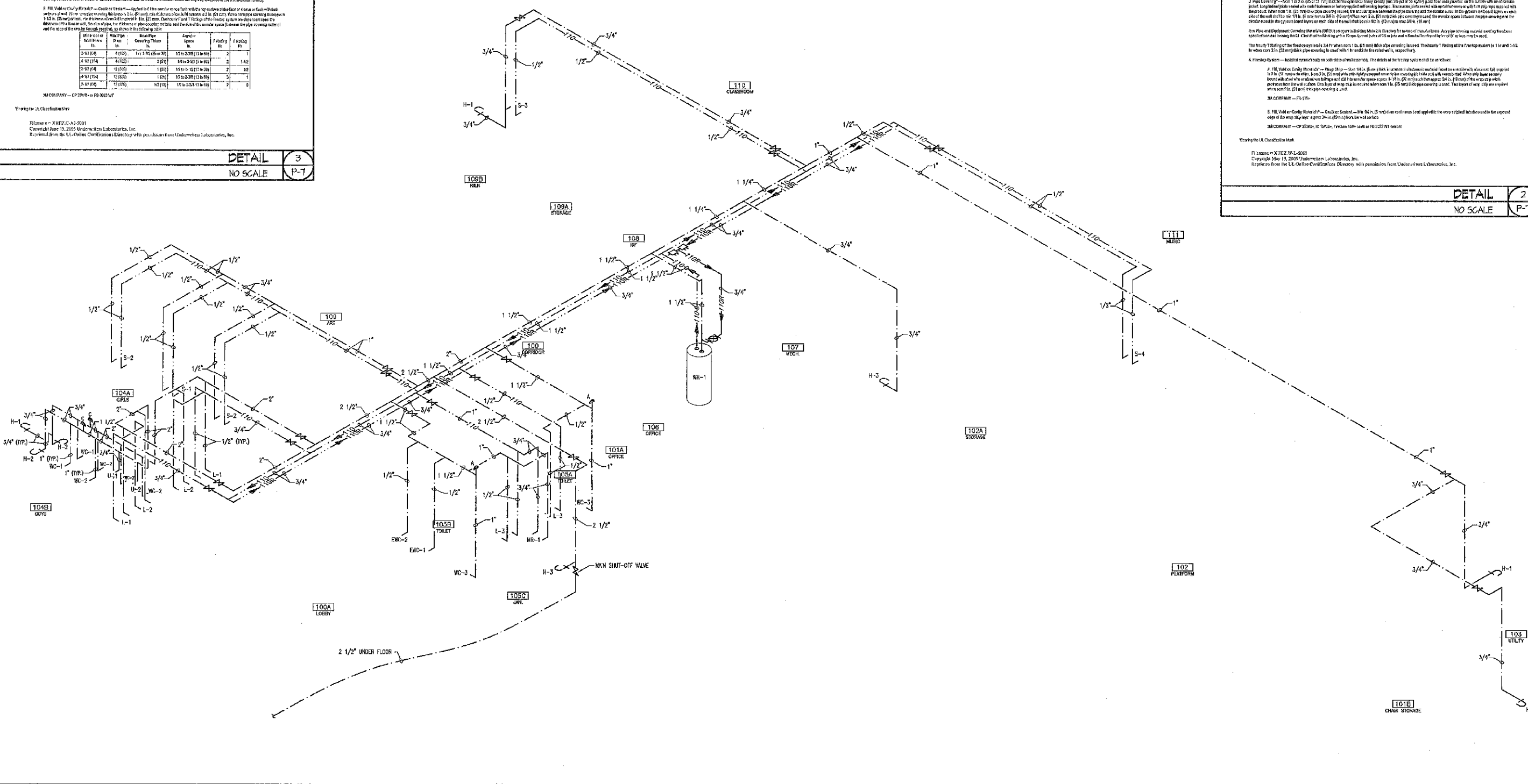


1. Wall Assembly — The "1" or 2" is the nominal wall thickness of the wall assembly. The nominal wall thickness of the wall assembly is 1 1/2" (38 mm) for concrete block walls and 2" (51 mm) for masonry walls. The nominal wall thickness of the wall assembly is 1 1/2" (38 mm) for concrete block walls and 2" (51 mm) for masonry walls.

2. Through Penetration — One must be able to run pipe or cable through floor or wall assembly. The following types of materials may be used:

- A. Steel Pipe — Min 1 1/2" (38 mm) dia. (100 mm dia. for heating/cooling) galvanized steel pipe or galvanized steel pipe with epoxy coating.
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- D. PVC Pipe — Min 1 1/2" (38 mm) dia. (100 mm dia. for heating/cooling) PVC pipe.
- E. Fiberglass Reinforced Plastic (FRP) Pipe — Min 1 1/2" (38 mm) dia. (100 mm dia. for heating/cooling) FRP pipe.

DETAIL 2
NO SCALE
P-7



HOT & COLD WATER RISER - NORTHWOODS ELEMENTARY
NO SCALE
P-7

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ADDITIONS
BLUE CREEK & NORTHWOODS ELEMENTARY SCHOOLS
HOT & COLD WATER RISER - NORTHWOODS ELEM.

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