

PLUMBING FIXTURE SPECIFICATION

LAVATORY (L2)
INTEGRAL BOWL WITH COUNTERTOP, SINGLE-LEVER FAUCET, CHROME PLATED GRID STRAINER, CAST BRASS P-TRAP, AND SUPPLY STOPS.

ADA LAVATORY (L2)
INTEGRAL BOWL WITH COUNTERTOP, SINGLE-LEVER FAUCET, CHROME PLATED GRID STRAINER, CAST BRASS P-TRAP, AND SUPPLY STOPS. PROVIDE VALVE AND TRAP COVERS AS REQUIRED TO MEET ADA COMPLIANT INSTALLATION.

ADA WALL-MOUNTED LAVATORY (L3)
VITREOUS CHINA WALL-MOUNTED LAVATORY WITH SINGLE-LEVER FAUCET, CHROME PLATED GRID STRAINER, CAST BRASS P-TRAP, AND SUPPLY STOPS. PROVIDE VALVE AND TRAP COVERS AS REQUIRED TO MEET ADA COMPLIANT INSTALLATION.

JUVENILE WALL-MOUNTED LAVATORY (L4)
VITREOUS CHINA WALL-MOUNTED LAVATORY WITH SINGLE-LEVER FAUCET, CHROME PLATED GRID STRAINER, CAST BRASS P-TRAP, AND SUPPLY STOPS.

ADA WASH FOUNTAIN (WF)
ADA-COMPLIANT, QUARTER ROUND MOLDED STONE FOUNTAIN WITH INTEGRAL HANDS-FREE FAUCETS.

WATER CLOSET (WC)
VITREOUS CHINA FLOOR-MOUNTED WATER CLOSET WITH FLUSH VALVE AND SEAT LESS COVER.

ADA WATER CLOSET (WC2)
VITREOUS CHINA ADA-HIGH FLOOR-MOUNTED WATER CLOSET WITH FLUSH VALVE AND SEAT LESS COVER.

JUVENILE WATER CLOSET (WC3)
VITREOUS CHINA JUVENILE-HIGH FLOOR-MOUNTED WATER CLOSET WITH FLUSH VALVE AND SEAT LESS COVER.

URNAL (U)
VITREOUS CHINA WALL-HUNG URNAL WITH FLUSH VALVE. PROVIDE CARRIER AS REQUIRED.

ADA URNAL (U2)
VITREOUS CHINA WALL-HUNG URNAL WITH FLUSH VALVE. PROVIDE CARRIER AS REQUIRED. MOUNT AT ADA HEIGHT.

JANITOR'S SINK (JS)
MOLDED STONE MOP BASH WITH FAUCET.

1-COMP. SINK (S)
STAINLESS STEEL, SELF-RIMMING SINK WITH SINGLE-LEVER FAUCET, BASKET STRAINER, CAST BRASS P-TRAP, AND SUPPLY STOPS.

2-COMP. SINK (S2)
STAINLESS STEEL, SELF-RIMMING SINK WITH SINGLE-LEVER FAUCET, BASKET STRAINER, CAST BRASS P-TRAP, AND SUPPLY STOPS.

ELECTRIC WATER COOLER (EWC)
BARRIER-FREE BLUEVEL, WATER COOLER WITH CHROME-PLATED CAST BRASS P-TRAP AND SUPPLY STOP. MOUNT LOWER RM PER ADA HEIGHT REQUIREMENTS.

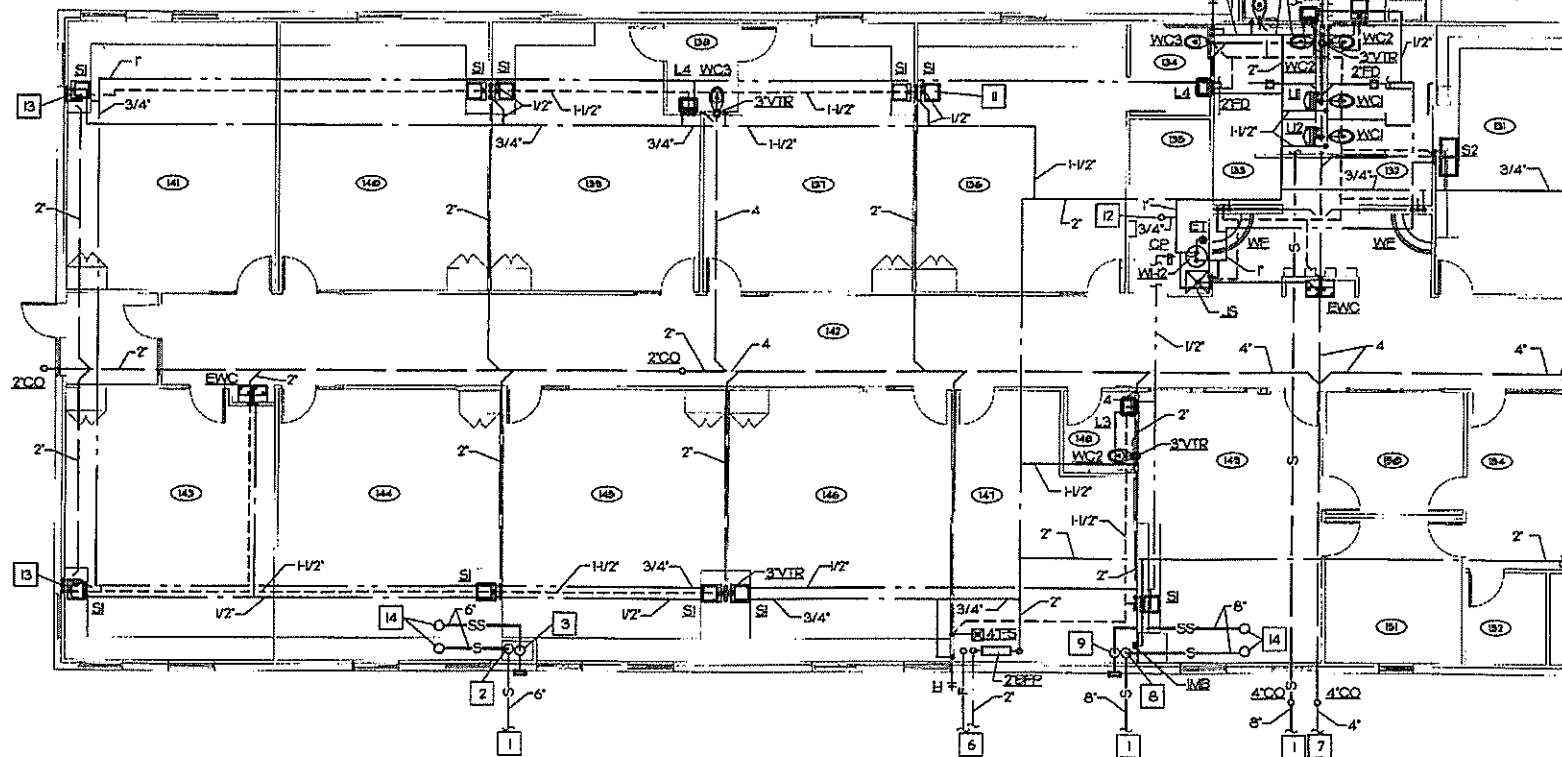
FLOOR DRAIN (FD)
CAST IRON BODY FLOOR DRAIN WITH 5" ROUND NICKEL BRONZE STRAINER AND MECHANICAL TRAP SEAL PROTECTION.

FLOOR SINK (FS)
1/2" CAST IRON BODY FLOOR SINK WITH CAST IRON STRAINER AND MECHANICAL TRAP SEAL PROTECTION.

WALL HYDRANT (H)
ANTIFREEZE WALL HYDRANT WITH ANTI-SIPHON, AUTOMATIC DRAINING, AND KEY HANDLE.

BACKFLOW PREVENTER (BEP)
REDUCED PRESSURE TYPE, BRONZE BODY, AND 1" STRAINER.

FLOOR CLEANOUT (CO)
FLUSH FLOOR CLEANOUT WITH NICKEL BRONZE TOP.



FLOOR PLAN
1/2" = 1'-0"

PLUMBING NOTES

- 1 PRIMARY STORM WATER PIPE BELOW GRADE. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 2 DROP 6" BELOW GRADE AT THIS LOCATION WITH BOTTOM-OF-RISER CLEANOUT.
- 3 DROP 6"SS TO 6"AF AT THIS LOCATION. EXTEND THRU EXTERIOR WALL AND TERMINATE WITH DOWNSPOUT NOZZLE.
- 4 DROP 4"SS BELOW GRADE AT THIS LOCATION WITH BOTTOM-OF-RISER CLEANOUT.
- 5 OMITTED.
- 6 FIRE AND DOMESTIC WATER PIPING BELOW GRADE. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 7 SANITARY WASTE PIPE BELOW GRADE. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 8 DROP 8"SS BELOW GRADE AT THIS LOCATION WITH BOTTOM-OF-RISER CLEANOUT.
- 9 DROP 8"SS TO 6"AF AT THIS LOCATION. EXTEND THRU EXTERIOR WALL AND TERMINATE WITH DOWNSPOUT NOZZLE.
- 10 4"SS DOWN FROM ROOF DRAIN. CONNECT INTO 8"SS PIPE.
- 11 ROUGH-IN SINK FOR A 24" COUNTER HEIGHT.
- 12 3/4" UP TO ROOF HYDRANT. REFER TO SHEET P21 FOR CONTINUATION.
- 13 PIPING TO SINK SHALL BE ROUTED ON THE INSIDE OF THE WALL. INSULATION SHALL BE INSTALLED BETWEEN THE PIPES AND THE OUTSIDE.
- 14 UP THRU ROOF TO ROOF DRAIN. REFER TO SHEET P21 FOR CONTINUATION.

FIXTURE BRANCH SCHEDULE

ITEM NO.	DESCRIPTION	PIPE SIZE CONNECTIONS			
		CW	HW	WASTE	VENT
L1	LAVATORY	1/2"	1/2"	1/2"	1/2"
L2	ADA LAVATORY	1/2"	1/2"	1/2"	1/2"
L3	ADA WALL-HUNG LAVATORY	1/2"	1/2"	1/2"	1/2"
L4	JUVENILE WALL-HUNG LAVATORY	1/2"	1/2"	1/2"	1/2"
WF	ADA WASH FOUNTAIN	3/4"	3/4"	2"	1/2"
WC1	WATER CLOSET	1"	-	4"	2"
WC2	ADA WATER CLOSET	1"	-	4"	2"
WC3	JUVENILE WATER CLOSET	1"	-	4"	2"
U1	URNAL	3/4"	-	2"	1/2"
U2	ADA URNAL	3/4"	-	2"	1/2"
JS	JANITOR SINK	1/2"	1/2"	3"	1/2"
S1	SINK	1/2"	1/2"	1/2"	1/2"
S2	TWO COMPARTMENT SINK	1/2"	1/2"	1/2"	1/2"
EWC	ELEC. DRINKING COOLER	1/2"	-	1/2"	1/4"
FD	FLOOR DRAIN	-	-	2"	1/2"
FS	FLOOR SINK	-	-	4"	2"
H	WALL HYDRANT	3/4"	-	-	-

ELECTRIC WATER HEATER SCHEDULE

ITEM NO.	TYPE	STORAGE CAPACITY	TOTAL KW INPUT	VOLTAGE	REMARKS
WH1	INSTANT. WATER HEATER	-	3	208-60	4
WH2	TANK-TYPE WATER HEATER	40	6	208-60	1, 2, & 3
WH3	TANK-TYPE WATER HEATER	30	6	208-60	1 & 2

- REMARKS:**
- PROVIDE 2 GALLON EXPANSION TANK (ET) IN COLD WATER SUPPLY PIPE.
 - PROVIDE TEMPERATURE/PRESSURE RELIEF VALVE. ROUTE DISCHARGE PIPE TO NEAREST FLOOR DRAIN OR JANITOR'S SINK AND TERMINATE ABOVE WITH AIR GAP.
 - PROVIDE HOT WATER RECIRCULATION PUMP (CRP), FRACTIONAL HP, 120V/PH. CONTROL WITH AQUASTAT ON RECIRCULATION PIPE.
 - MOUNT INSTANTANEOUS WATER HEATER BELOW SINK IN CABINET.

PIPING MATERIAL SPECIFICATION

DOMESTIC WATER:
EXTERIOR & BELOW SLAB:
TYPE 1" SOFT ANNEALED COPPER PIPE AND FLARED FITTINGS.
ABOVE SLAB:
TYPE 1" HARD DRAWN PIPE AND WROUGHT COPPER FITTINGS WITH LEAD-FREE SOLDER.

WASTE, STORM, AND VENT:
EXTERIOR:
SCHEDULE 40 PVC PIPE WITH SOLVENT WELDED JOINTS AND FITTINGS OR SDR 35 PVC PIPE WITH GASKET JOINTS AND FITTINGS AS PER LOCAL CODE.
BELOW SLAB & IN CONCEALED WALL AREAS:
SCHEDULE 40 PVC PIPE WITH SOLVENT WELDED JOINTS AND FITTINGS.
ABOVE SLAB IN RETURN AIR PLenums:
STANDARD WEIGHT NO-HUB CAST IRON PIPE AND FITTINGS.

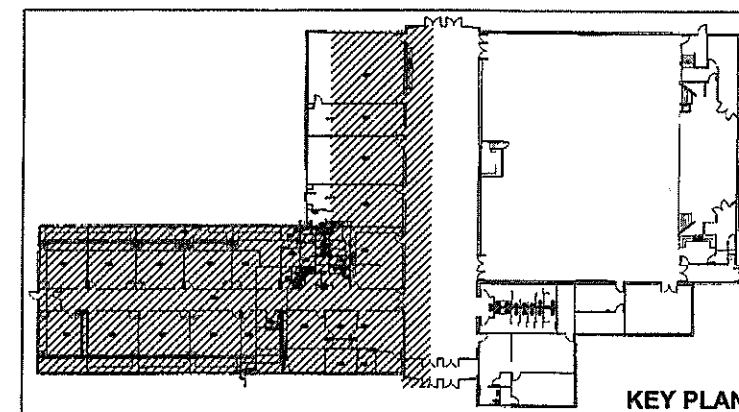
FIRE PROTECTION PIPE:
UNDERGROUND:
SHALL MATCH PIPE SPECIFIED BY THE CIVIL ENGINEER.

GAS PIPE:
ABOVE GRADE:
SCHEDULE 40 BLACK STEEL WITH SCREWED CONNECTIONS EXCEPT GAS PIPE ROUTED IN CEILING SPACES AND CONCEALED IN WALLS SHALL BE WELDED JOINTS AND FITTINGS.
BELOW GRADE:
SCHEDULE 40 BLACK STEEL WITH SCREWED CONNECTIONS EXCEPT GAS PIPE ROUTED IN CEILING SPACES AND CONCEALED IN WALLS SHALL BE WELDED JOINTS AND FITTINGS.

PIPE INSULATION:
ALL OVER-HEAD AND EXPOSED DOMESTIC WATER PIPING SHALL BE INSULATED WITH 1/2" ASJ FIBERGLASS OR ARMAFLEX PIPE INSULATION.
ROOF DRAIN BOWLS AND HORIZONTAL STORM LEADERS SHALL BE INSULATED WITH 1" INSULATION.

PIPE HANGERS:
HANGERS FOR COPPER PIPE SHALL BE COPPER AUTO GRP. HANGERS FOR STEEL OR CAST IRON PIPE SHALL BE GALVANIZED AUTO GRP.

PERMIT #
= 081110



KEY PLAN

Project Description:
Timothy Lutheran Church
1100 W. 7th & Wyatt Road
Blue Springs, Missouri 64014

PROJECT # 08053A
ISSUE DATE 10/20/08
DRAWN BY RDR
CHECKED BY RAR
REVISIONS:
1 11/14/08 CITY REVIEW
2
3
4
5

SHEET No.
P1.2
PARTIAL PLUMBING
FLOOR PLAN