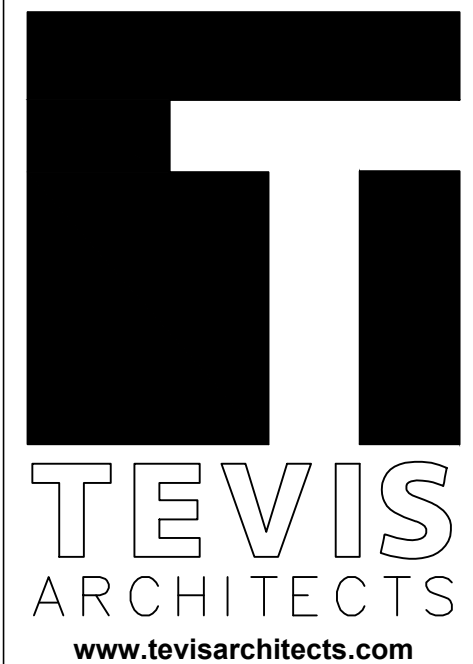


REFER TO SHEET P4.3 FOR GENERAL NOTES  
PERTAINING TO THIS SHEET.

## GENERAL NOTES R1

N.T.S.

- 1 PROVIDE NEW DOMESTIC WATER LINE AS SHOWN ON THE PLAN. REFER TO PLUMBING SPECIFICATION FOR PIPING MATERIAL INFORMATION.
- 2 EXTEND NEW 1-1/2" WATER PIPING TO SITE CIVIL WATER PIPING. FIELD VERIFY LOCATION OF SITE CIVIL WATER SUPPLY PRIOR TO COMMENCING WORK. INSTALL WATER METER AT WATER SERVICE ENTRANCE PER REQUIREMENT OF LOCAL WATER DEPARTMENT AUTHORITY. COORDINATE WITH CIVIL CONTRACTOR.
- 3 PROVIDE SHUT OFF VALVE AND REDUCED PRESSURE BACKFLOW PREVENTER OUTSIDE OF THE BUILDING. REFER HDP-15 ON SHEET P3.1 FOR WATER SERVICE ENTRY DETAIL AND HDP-16 ON SHEET P3.1 FOR REDUCED PRESSURE BACK FLOW PREVENTER DETAIL.
- 4 ROUTE DOMESTIC WATER OVERHEAD TO DISTRIBUTION POINT.
- 5 DO NOT ROUTE WATER PIPING OVER ELECTRICAL PANEL OR TRANSFORMERS AND THEIR REQUIRED CLEAR SPACE.
- 6 ROUTE DOMESTIC WATER LINE DOWN THROUGH THE WALL. EXTEND WATER LINE OUTSIDE OF THE BUILDING AND CONNECT TO YARD HYDRANT. REFER OVERALL PLUMBING PLAN FOR PIPE CONTINUATION.
- 7 PROVIDE HOT AND COLD WATER PIPING AS SHOWN ON THE PLAN. ROUTE PIPE AS HIGH AS POSSIBLE AND SUPPORT TO THE STRUCTURE. REFER HDP-17 ON SHEET P3.1 FOR PLUMBING PIPE SUPPORT DETAIL.
- 8 PROVIDE ELECTRIC WATER HEATER ABOVE CEILING. PROVIDE ELECTRICAL POWER AS INDICATED ON ELECTRICAL PLAN. REFER HDP-18 ON SHEET P3.1 FOR ELECTRIC WATER HEATER PIPING DETAIL. PROVIDE AUXILIARY DRAIN PAN WITH 3/4" OVERFLOW PIPE CONNECTION. MAKE HOT AND COLD WATER PIPING CONNECTIONS THROUGH DIELECTRIC UNIONS. PROVIDE AND INSTALL ALL HARDWARE AND APPURTENANCES FOR COMPLETE INSTALLATION PER APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS.
- 9 PROVIDE THERMAL EXPANSION TANK AS SHOWN ON THE PLAN. REFER HDP-19 ON SHEET P3.2 FOR EXPANSION TANK DETAIL.
- 10 PROVIDE TANK-LESS (INSTANTANEOUS) HOT WATER HEATER AS INDICATED ON THE PLAN. REFER HDP-20 ON SHEET P3.2 FOR TANK-LESS WATER HEATER DETAIL.
- 11 FURNISH AND INSTALL WATER CLOSET LEVEL AND PLUMB. PROVIDE COLD WATER LINE. REFER TO DOMESTIC RISERS AND PLUMBING SCHEDULE FOR SIZES.
- 12 FURNISH AND INSTALL URINAL LEVEL AND PLUMB. PROVIDE COLD WATER LINE. REFER TO DOMESTIC RISERS AND PLUMBING SCHEDULE FOR SIZES.
- 13 FURNISH AND INSTALL LAVATORY LEVEL AND PLUMB. PROVIDE HOT AND COLD WATER LINE. PROVIDE THERMOSTATIC MIXING VALVE AND TEMPER HOT WATER TO MAXIMUM TEMPERATURE OF 105 DEGREES. REFER TO DOMESTIC RISERS AND PLUMBING SCHEDULE FOR SIZES.
- 14 FURNISH AND INSTALL SHOWER. PROVIDE HOT AND COLD WATER LINE. REFER TO DOMESTIC RISERS AND PLUMBING SCHEDULE FOR SIZES.
- 15 FURNISH AND INSTALL HAND SINK LEVEL AND PLUMB. PROVIDE HOT AND COLD WATER LINE. PROVIDE THERMOSTATIC MIXING VALVE AND TEMPER HOT WATER TO MAXIMUM TEMPERATURE OF 105 DEGREES. REFER TO DOMESTIC RISERS AND PLUMBING SCHEDULE FOR SIZES.
- 16 FURNISH AND INSTALL MOP SINK LEVEL AND PLUMB. PROVIDE HOT AND COLD WATER LINE. REFER TO DOMESTIC RISERS AND PLUMBING SCHEDULE FOR SIZES.
- 17 FURNISH AND INSTALL DRINKING FOUNTAIN. PROVIDE COLD WATER LINE TO DRINKING FOUNTAIN. PROVIDE DUAL CHECK BACKFLOW PREVENTER. ROUTE COLD WATER LINE DOWN THROUGH WALL AND CONNECT TO DRINKING FOUNTAIN.
- 18 FURNISH AND INSTALL EXTERIOR WALL HYDRANT. PROVIDE COLD WATER LINE TO WALL HYDRANT. REFER HDP-21 ON SHEET P3.2 FOR EXTERIOR WALL HYDRANT INSTALLATION DETAIL.
- 19 PROVIDE COLD WATER LINE TO PRESSURE WASHER. INSTALL HOSE BIBB TO MAKE CONNECT TO PRESSURE WASHER. INSTALL SHUT OFF VALVE AT ACCESSIBLE LOCATION. VERIFY ADDITIONAL REQUIREMENTS WITH PRESSURE WASH INSTALLING CONTRACTOR.
- 20 ALL HOT AND COLD WATER PIPE SHALL BE INSULATED. REFER SPECIFICATION FOR APPROVED INSULATION MATERIAL REQUIREMENT. REFER HDP-22 ON SHEET P3.2 FOR PIPE INSULATION DETAIL AND HDP-23 ON SHEET P3.2 FOR INSULATED PIPE HANGER DETAIL.
- 21 PROVIDE WATER HAMMER IN SUPPLY BRANCH THAT CONTAIN QUICK ACTING VALVE (FLUSH VALVES, DISHWASHER, ICE MAKER, WASHING MACHINE, ETC.). REFER HDP-24 ON SHEET P3.2 FOR WATER HAMMER DETAILS.
- 22 PROVIDE DUAL CHECK BACKFLOW PREVENTER IN COLD WATER LINE (USED FOR DRINKING PURPOSE) UPSTREAM OF SHUT OFF VALVE.
- 23 PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE FOR LAVATORY AND HAND SINK. SET TEMPERATURE OF TEPID WATER BETWEEN 85-110 DEGREE F. REFER HDP-25 ON SHEET P3.2 FOR THERMOSTATIC MIXING VALVE DETAIL.
- 24 PROVIDE PIPE SLEEVE THROUGH WALL FOR EACH OF THE PLUMBING PIPE PENETRATING THROUGH THE WALL. REFER HDP-26 ON SHEET P3.2 FOR PIPE SLEEVE THROUGH WALL DETAIL.
- 25 ALL INFORMATION REGARDING FIRE SPRINKLER LINE IS FOR REFERENCE ONLY. FIRE SPRINKLER LINE SHALL BE SIZED BY OTHER BASED ON HYDRAULIC CALCULATION. REFER CIVIL PLAN FOR FIRE SPRINKLER PIPE CONTINUATION.
- 26 SHUT OFF VALVE AND REDUCED PRESSURE BACKFLOW PREVENTER OUTSIDE OF BUILDING AS PER LOCAL FIRE CODE BY FIRE SPRINKLER CONTRACTOR.
- 27 FIRE RISER AT LOCATION SHOWN BY FIRE CONTRACTOR.
- 28 PIPING IN FIRE RISER/WATER ENTRY SHALL BE INSULATED WITH 1" SELF-ADHESIVE UNICELLULAR FOAM PIPE INSULATION EQUAL TO ARMAFLEX II OR K-FLEX INSUL TUBE. INSULATION SHALL BE CONTINUOUS ALONG THE PIPE SURFACE, EXCEPT AT VALVES, UNIONS AND WHERE PIPING IS EXPOSED AT FIXTURES. FOR PIPING EXPOSED OUTSIDE AND PIPING INSTALLED UNDERGROUND PROVIDE ENCASED PIPE FITTING INSULATION WITH 1-PIECE PREMOLDED PVC FITTING COVERS EQUAL TO JOHNS MANVILLE ZESTON. REFER TO SPECIFICATION SECTION "PLUMBING PIPING INSULATION -220719" FOR MORE INFORMATION.



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10.10.2017

COLEMAN EQUIPMENT

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LEE'S SUMMIT, MO 64064

PN: 217001  
HD# 32745  
DRAWN BY: SK  
CHECKED BY: CLS

NO.	ISSUE/REVISION	DATE
1	BID SET	06.21.2017
2	VE / PERMIT SET	08.28.2017
3	CITY COMMENT	10.10.2017
4	FDP CITY COMMENT	10.16.2017

DOMESTIC WATER PLAN

P1.2

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NORTH

DOMESTIC WATER PLAN A5  
MAIN FLOOR  
1/8" = 1'-0"

KEY NOTES A1  
N.T.S.