## PLUMBING FIXTURE SCHEDULE

| ITEM | FIXTURE | DESCRIPTION | DESCRIPTION | | | |
|---|---|---|---|---|---|---|
| | | | WASTE | VENT | CW | HW |
| WC 1 | FLOOR MOUNTED FLUSH VALVE TYPE TOILET ADA | "KOHLER" FloWise MNo: 2854.128, FLOOR MOUNTED ELONGATED FLUSHOMETER TOILET SYSTEM, VITREOUS CHINA, 1½" TOP SPUD, 16½" RIM HEIGHT. ADA COMPLIANT, MNo:K-13517 MANUAL FLUSH VALVE 1.28 GPF, FRONT OPEN SEAT MNo:5901.100 WITH SELF-SUSTAINING CONCEALED CHECK HINGES, WHITE COLOR. THE FLUSH HANDLE SHALL BE INSTALLED ON THE WIDE SIDE OF WATER CLOSET ENCLOSURE. | 4"ø | 2"ø | 1¼"ø | – |
| WC 2 | FLOOR MOUNTED FLUSH VALVE TYPE TOILET ADA | "KOHLER" FloWise MNo: 2854.128, FLOOR MOUNTED ELONGATED FLUSHOMETER TOILET SYSTEM, VITREOUS CHINA, 1½" TOP SPUD, 16½" RIM HEIGHT. ADA COMPLIANT, MNo:K-13517 MANUAL FLUSH VALVE 1.28 GPF, FRONT OPEN SEAT MNo:5901.100 WITH SELF-SUSTAINING CONCEALED CHECK HINGES, WHITE COLOR. THE FLUSH HANDLE SHALL BE INSTALLED ON THE WIDE SIDE OF WATER CLOSET ENCLOSURE. | 4"ø | 2"ø | 1¼"ø | – |
| L 1 | WALL MOUNTED LAVATORY | "KOHLER" WALL MOUNTED LAVATORY MNo:K2007-R FOR CONCEALED ARMS SUPPORT AND SUPPORTS, VITREOUS CHINA, FRONT OVERFLOW, SINGLE HOLE ON CENTER FAUCET HOLE, 21¼"x18⅛", P-TRAP AND LOOSE KEY ANGLE VALVE. COMPLETE WITH "KOHLER" SENSOR ACTIVATED AC OPERATED FAUCET MNo: K-103877-SANA 0.5 GPM @ 20PSI. | 2"ø | 1½"ø | ½"ø | ½"ø |
| WH 1 | HEAT PUMP STORAGE TYPE WATER HEATER | "RHEEM" MNo: XE40T10H22U0 HEAT PUMP TYPE WATER HEATER, 40 GALLONS CAPACITY. 2,250 ELEMENT 15 AMP BREAKER SIZE. DIMENSIONS 22¾"ø x 62"H. | – | – | ¾"ø | – |
| KS 1 | KITCHEN SINK | "KOHLER" 36" DOUBLE BOWL SINK STAGES UNDER-MOUNT DOUBLE BOWL KITCHEN SINK, 16 GAUGE STAINLESS STEEL, | 2"ø | 1½"ø | ½"ø | ½"ø |
| JS 1 | JANITOR SINK | JANITOR SINK EXPOSED WALL MOUNTED FAUCET YOKE, TOP BRACE 6" CAST BRASS SPOUT WITH VACUUM BREAKER, INTEGRAL SUPPLY STOPS, VANDAL RESISTANT METAL LEVER HANDLES. | 2"ø | 1½"ø | ¾"ø | ¾"ø |
| S 1 | SINK | "KOHLER" SINGLE BOWL STAINLESS STEEL SINK, 16 GAUGE STAINLESS STEEL, COMPLETE WITH FAUCET | 2"ø | 1½"ø | ½"ø | ½"ø |
| WB 1 | WASHER BOX | "WASHING MACHINE BOX" SPECIALITY PRODUCTS MODEL#OB-103-T, HIGH IMPACT PLASTIC, W/ ¼" TURN BRASS BALL VALVES. | 2"ø | 1½"ø | ½"ø | ½"ø |
| GD 1 | GARBAGE DISPOSAL | "EVOLUTION" IN-SINK ERATOR, ¾ HORSEPOWER MOTOR, VOLTAGE 120-1-60, 8.1 AMPS. | 2"ø | 1½"ø | ½"ø | ½"ø |
| WHA 1 | WATER HAMMER ARRESTOR | "WATTS" WATER HAMMER ARRESTOR, MNo: LF15M2-F THREADED. COPPER BODY. | – | – | ¾"ø | – |
| PRV 1 | PRESSURE REDUCING VALVE | "ZURN" 2"ø WATER PRESSURE REDUCING VALVE MODEL No.500XL HE ASSEMBLY | – | – | 2" | – |
| SHWR 1 | SHOWER HEAD | "SR SUNRISE" 12" SHOWER FAUCET SET WITH SHOWER SLIDE BAR. SITE FABRICATED SHOWER TRAY. | – | – | ½"ø | ½"ø |

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## WATER PIPE CALCULATION

PRESSURE AVAILABLE MAXIMUM = 95 P.S.I

MINIMUM = 75 – P.S.I

PRV PRESSURE SETTING 65.0 P.S.I

PRESSURE REQUIRED AT FARTHEST FIXTURE 25.0 P.S.I

PRESSURE LOSS DUE TO HEIGHT 12' 5.2 P.S.I

PRESSURE LOSS THRU 1.5"ø WATER METER 6.8 P.S.I

PRESSURE LOSS THRU 2"ø REDUCED PRESSURE VALVE ZURN 2" MODEL: 975XL3 12.0 P.S.I

PRESSURE LOSS THRU 2"ø PRESSURE REDUCING VALVE ZURN 2" MODEL: 500XL 7.0 P.S.I

TOTAL LOSSES 56.0 P.S.I

LOSS AVAILABLE FOR FRICTION

65.0 – 56.0 = 9.0 P.S.I

LENGTH OF RUN FROM METER TO FARTHEST FIXTURE:

OUTSIDE BUILDING: 10 FT.

INSIDE BUILDING: 45 FT.

TOTAL: 55 FT.

EQUIVALENT RUN: 55 x 1.25 69 FT.

ALLOWABLE FRICTION LOSSES:

PRESSURE AVAILABLE 9.0 P.S.I x 100 = 13.1 P.S.I/100 FT.

EQUIVALENT LENGTH 69 FT.

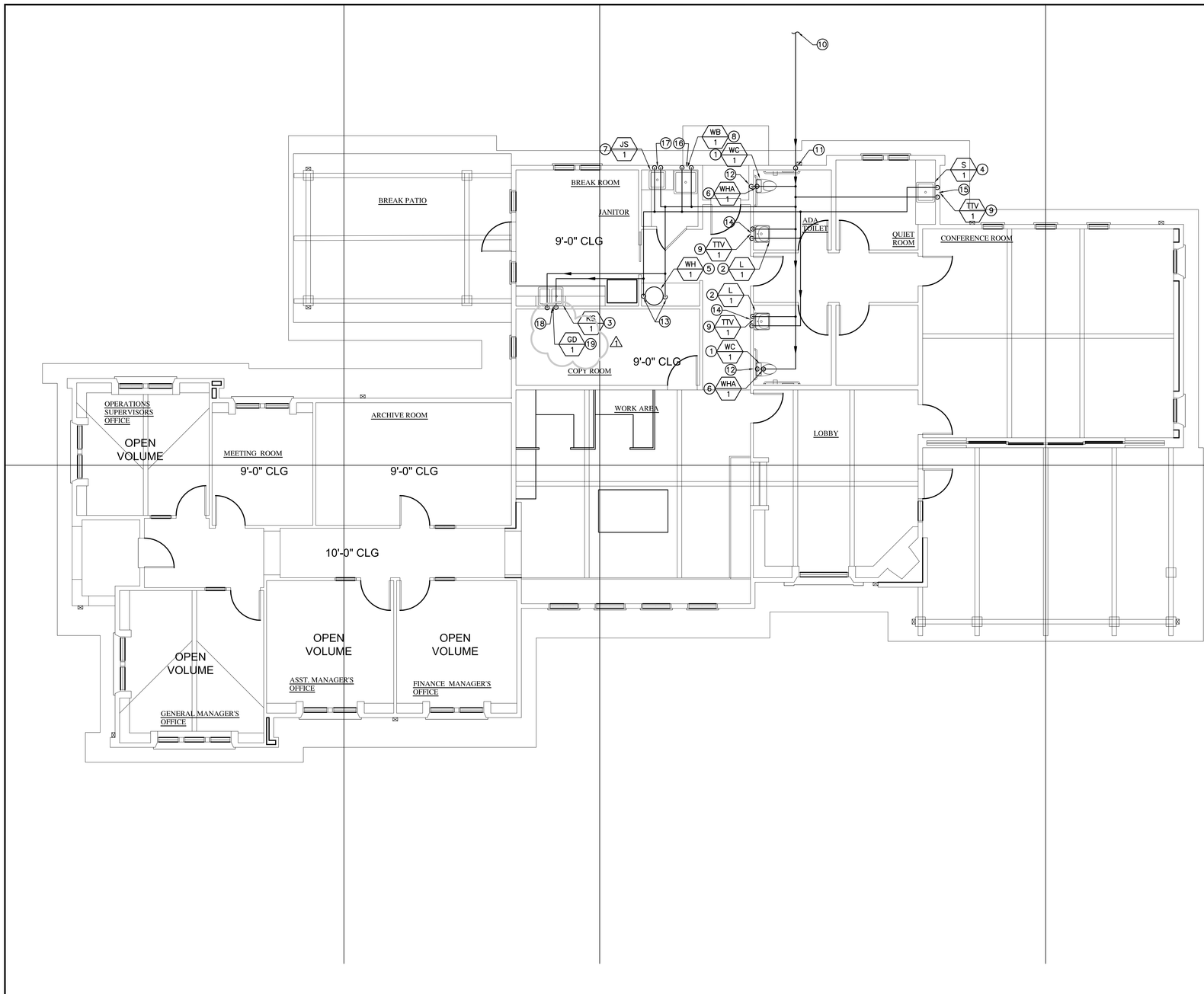
| SIZE | |
|---|---|
| ½" | |
| ¾" | |
| 1" | |
| 1¼" | |
| 1½" | |
| 2" | |

FIX

| QTY | |
|---|---|
| 2 | W |
| 2 | L |
| 1 | S |
| 1 | K |
| 1 | JA |
| 1 | WA |

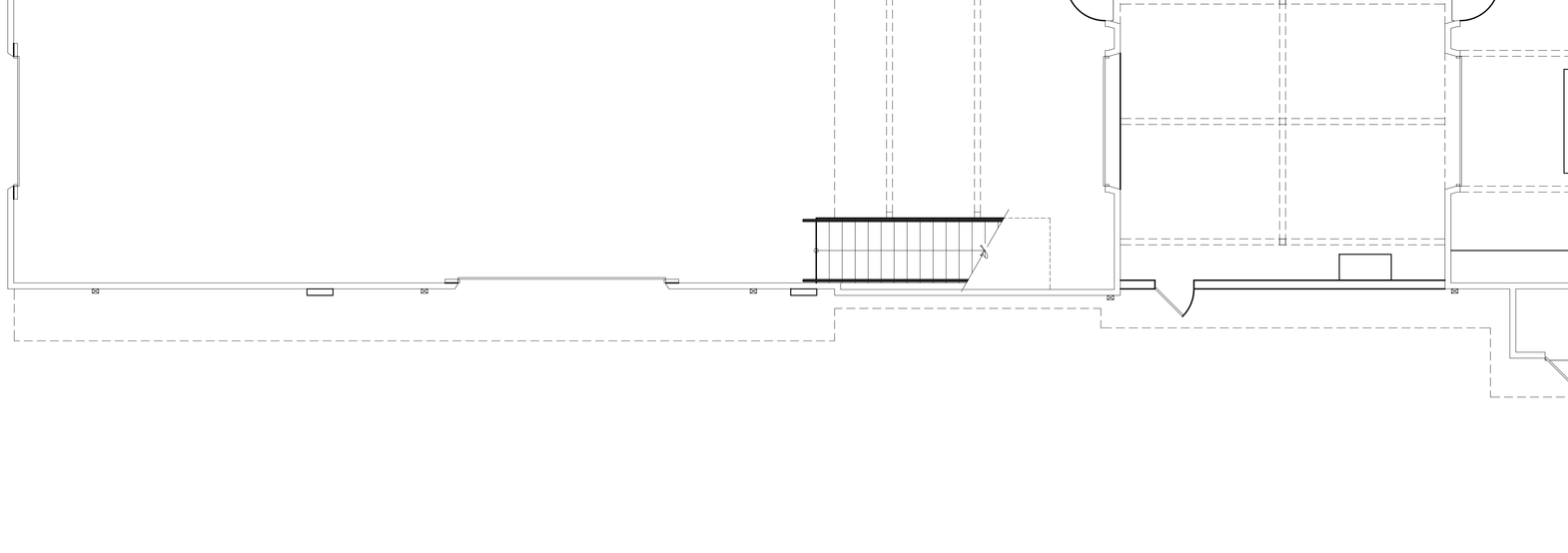
FIX

| QTY | |
|---|---|
| 1 | W |
| 1 | L |
| 1 | KI |
| 1 | SI |




P–4 | PLUMBING HOT AND COLD WATER PIPING MAIN BUILDING FLOOR PLAN

3/16"=1'–0"



P-5
3/16"=1'-0"

PLUMBING HOT AND COLD WATER LAYOUT MAINTENACE BUILDING FLOOR PLAN