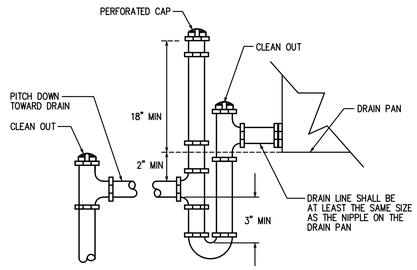


PIPE HANGER DETAIL

PIPE SUPPORT DETAIL

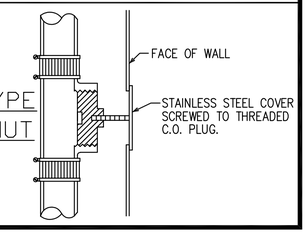
SCALE: N.T.S.

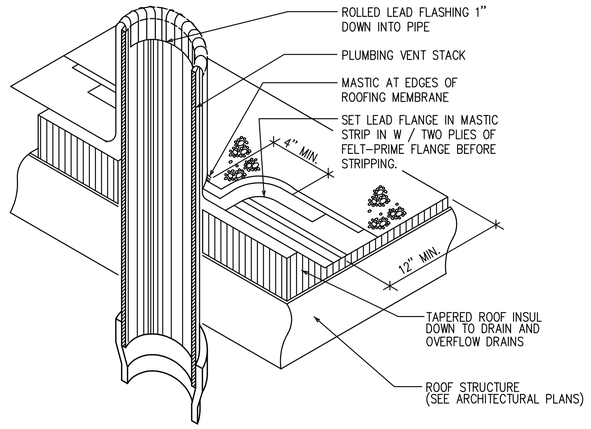


TYPICAL CONDENSATE DRAIN TRAP

SCALE: N.T.S.

TYPICAL CLEANOUT DETAILS





NOTE: ANY VENT PIPE WITHN 10' OF ANY DOOR WINDOW OR EXHAUST OPENING OR OUTSIDE AIR INTAKE SHALL EXTEND NOT LESS THAN 3' ABOVE SAME.

VENT THRU ROOF DETAIL

SCALE: N.T.S.

FIXTURE	WATER PIPE SIZE	NOMINAL SAN. SIZE	MAXIMUM FLOW RATES
WATER CLOSET (F.V.)	1"	3"	1.28 GPF
LAVATORY	1/2"	1 1/4"	0.5 GPM
SHOWER	1/2"	2"	2.0 GPM

NOTE:
1. TRAP INSULATION TO MEET ADA REQUIREMENTS AND COMPLY WITH ASTM E-84 PLUMBEREX MODEL#396 OR EQUAL.
2. ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 OF THE F.P.C.–2020
3. ALL WALL HUNG PLUMBING FIXTURES SHALL COMPLY W/ FBC–2020 SECTION 2318.1.15

SHOCK ARRESTOR SCHEDULE

P.D.I. DESIGNATION	MANUF. & MODEL	FIXTURE UNITS	CONNECTION
A	SIOUX CHIEF 652–A	1–11	1/2"
B	SIOUX CHIEF 653–B	12–32	3/4"
C	SIOUX CHIEF 654–C	33–60	1"

SIOUX CHIEF SHOCK ARRESTORS APPROVED FOR INSTALLATION WITH NO ACCESS DOOR REQUIRED. CONFORMS TO ANSI/ASSE 1010 STANDARDS.

ELECTRIC WATER HEATER SCHEDULE: Womens Mikvah

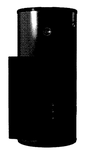
TAG:	MFR:	W.H. MODEL:	AHRI CERTIFIED T.E.%:	BTU/HR INPUT KW:	VOLTAGE/ PHASE/A MPS	Rec. @100°F Rise:	TANK SIZE:	SUPPLY TEMP. (F):	WATER CONN.	NOTES:
EWH-1	RHEEM:	E85 - 45G	98.0%	45	480/III/54	186	85	140	1 1/2"	Y
EWH-2	RHEEM:	E85 - 45G 1	98.0%	45	480/III/54	186	85	140	1 1/2"	Y

LEONARD MIXING VALVE

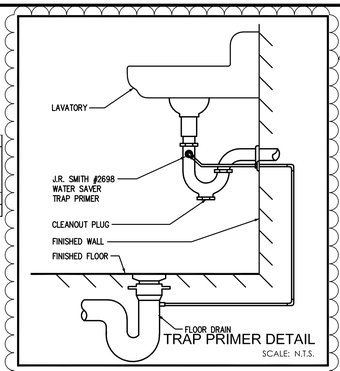
MV-1	LEONARD	PNV-100-LF	17 GPM @ 5PSI PD	1" IN	1 " OUT	DIGITAL

NOTES: FOR RHEEM PRODUCT INFORMATION CONTACT SPIRIT GROUP INC
1. ELECTRIC WATER HEATER TO HAVE RHEEM EXPANSION RRT-25
2. ELECTRIC WATER HEATERS TO HAVE LEONARD DIGITAL MIXING VALVE
3. ELECTRIC WATER HEATERS TO HAVE IMMERSION THERMOSTAT
4. ELECTRIC WATER HEATERS TO LIFE GUARD STAINLESS STEEL ELEMENTS
5. ELECTRIC WATER HEATERS TO SYSTEM SENTINAL - ELEMENT STATUS





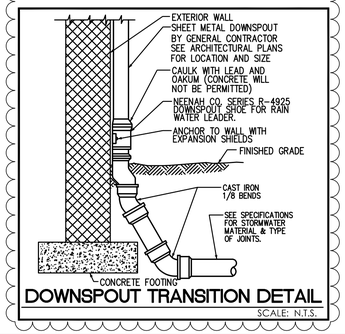
Rheem Heavy Duty
50, 85, 120 & 175-Gallon Capacities
ASME Construction Option
3-Year Limited Warranty
Electric



1

TRAP PRIMER DETAIL

SCALE: N.T.S.



DOWNSPOUT TRANSITION DETAIL

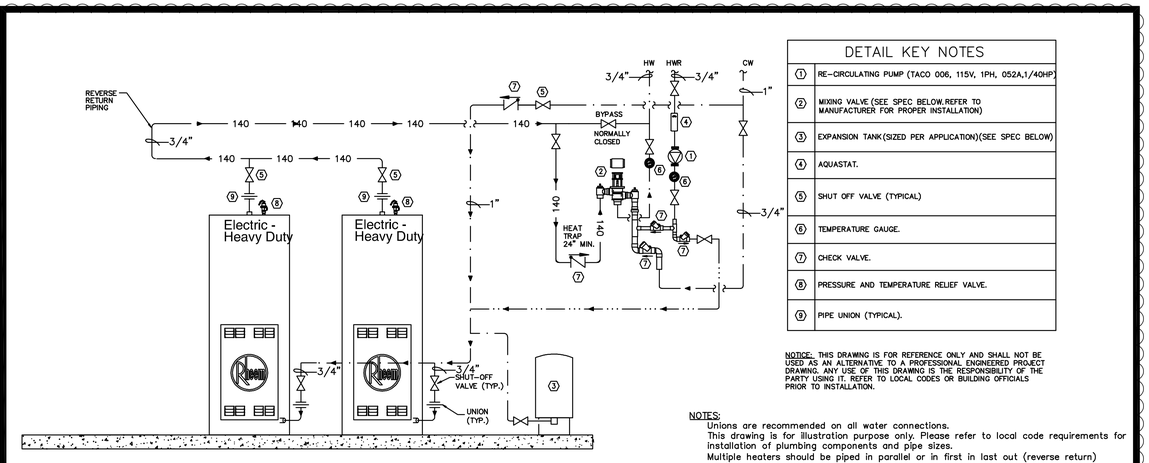
SCALE: N.T.S.

PLUMBING GENERAL NOTES

SCALE: N.T.S.

1. ALL WORKMANSHIP AND MATERIAL SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
2. CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
3. ALL MATERIAL SHALL BE NEW.
4. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE.
5. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
6. REQUIRED INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF WORK.
7. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTION AND TESTS.
8. DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
9. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ENGINEER/ARCHITECT PRIOR TO BEGINING CONSTRUCTION.
10. VERIFY LOCATION, SIZE, INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINING CONSTRUCTION. ADVICE ENGINEER OF ANY DISCREPANCIES.
11. WATER PIPING SHALL BE TYPE "L" COPPER FOR 2" AND UNDER AND TYPE "K" COPPER FOR 2–1/2" AND ABOVE.
12. SEE "MATERIAL SPECIFICATIONS", THIS SHEET, FOR FURTHER PIPE MATERIAL REQUIREMENTS. NEW INSTALLATION SHALL MATCH EXISTING.
13. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE COPPER DRAIN WASTE AND VENT PIPING AND FITTINGS. INSULATE ALL CONDENSATE PIPING EXCEPT UNDERGROUND AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
14. FURNISH AND INSTALL APPROVED AIR CHAMBERS, AT EACH PLUMBING FIXTURE AND P.D.I. APPROVED SHOCK ARRESTORS ON MAIN LINES.
15. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METAL IN PIPING AND EQUIPMENT CONNECTIONS.
16. ISOLATE COPPER PIPE FROM HANGER OR SUPPORTS WITH ISOLATOR PAD (HAIR FELT LINING).
17. ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND WATER PENETRATION BY FILLING VOIDS BETWEEN PIPE AND WALL/FLOOR SLEEVES WITH FIRE RATED FOAM, CHASE TECHNOLOGY CORP.– CTC PR–855 OR 3M, CP–25 CAULKING OR 303 PUTTY, TO ACHIEVE SAME RATING AS WALLS OR FLOORS.
18. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.
19. NO COMBUSTIBLE MATERIAL TO BE USED IN MECHANICAL ROOMS OR IN CEILING SPACES WHERE USED AS RETURN AIR PLENUMS.
20. NO WATER, SANITARY OR DRAINAGE PIPING PERMITTED IN ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS.; WATER STUBBED THRU FOR ELECTRICAL GROUND AND SPRINKLER HEAD AND PIPE W/CONTROL VALVE AS APPROVED BY LOCAL BUILDING AND FIRE DEPARTMENTS.
21. ALL HOT & COLD WATER PIPES, AND CONDENSATE PIPING SHALL HAVE IDENTIFICATION AND FLOW DIRECTIONS BANDS.
22. CONTRACTOR SHALL KEEP A SET OF AS BUILTS DWG. ON THE JOB SITE AT ALL TIMES AND DELIVER A SET OF UP TO DATE AS–BUILTS TO THE ENGINEER AND OWNER AT THE COMPLETION OF THE PROJECT.

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DETAIL KEY NOTES	
①	RE–CIRCULATING PUMP (TACO 006, 115V, 1PH, 052A,1/40HP)
②	MIXING VALVE (SEE SPEC BELOW.REFER TO MANUFACTURER FOR PROPER INSTALLATION)
③	EXPANSION TANK (SIZED PER APPLICATION)(SEE SPEC BELOW)
④	AQUASTAT.
⑤	SHUT OFF VALVE (TYPICAL)
⑥	TEMPERATURE GAUGE.
⑦	CHECK VALVE.
⑧	PRESSURE AND TEMPERATURE RELIEF VALVE.
⑨	PIPE UNION (TYPICAL).

NOTICE: THIS DRAWING IS FOR REFERENCE ONLY AND SHALL NOT BE USED AS AN ALTERNATIVE TO A PROFESSIONAL ENGINEERED PROJECT DRAWING. ANY USE OF THIS DRAWING IS THE RESPONSIBILITY OF THE PARTY USING IT. REFER TO LOCAL CODES OR BUILDING OFFICIALS PRIOR TO INSTALLATION.

NOTES:
Unions are recommended on all water connections.
This drawing is for illustration purpose only. Please refer to local code requirements for installation of plumbing components and pipe sizes.
Multiple heaters should be piped in parallel or in first in last out (reverse return) configuration.
Recirculation pump should be controlled by an aqustat and/or a timer.
Expansion tank sized per application.

WATER HEATER PIPING DIAGRAM-REFERENCE ONLY(SERVING BATHROOMS AND SINKS)

PLUMBING INDEX

		DRAWING	3		
1	P001	PLUMBING INDEX, SYMBOL LEGEND AND NOTES			
2	P101	MIKVAH LEVEL DOMESTIC WATER PLAN			
3	P102	MIKVAH LEVEL SANITARY PLAN			
4	P103	MIKVAH ROOF PLUMBING PLAN			
5	P104	PLUMBING ISOMETRICS			
6					
7					
8					
9					
10					

SHOP DRAWING REQUIREMENTS

1. CONTRACTOR SHALL SUBMIT DIGITAL SHOP DRAWINGS, TOGETHER AT ONE TIME AND MUST COME THROUGH THE ARCHITECT. ALL SUBMITTALS SHALL BE MADE WITHIN 30 DAYS OF NOTICE TO PROCEED.
2. ALL SUBMITTALS MUST CLEARLY INDICATE EXACTLY WHICH ITEMS ARE BEING PROPOSED FOR USE. IF NOT, THE SUBMITTAL SHALL BE REJECTED.
3. SUBSTITUTIONS SHALL BE LIMITED TO ONE OF THE ALTERNATES LISTED IN THE CONSTRUCTION DOCUMENTS. PRODUCTS CONSIDERED TO BE EQUAL SHALL BE REVIEWED AND ACCEPTED BY THE ENGINEER, ARCHITECT AND OWNER (10) DAYS PRIOR TO BID DATE.
4. THE CONTRACTOR ASSUMES ALL DESIGN RESPONSIBILITY AND ALL FINANCIAL RISKS FOR PROCEEDING PRIOR TO SHOP DRAWINGS PROCESSING, AND ON ANY ITEM OR WORK THAT IS AT VARIANCE TO THE CONSTRUCTION DOCUMENTS.
5. CONTRACTOR SHALL SUBMIT DIGITAL EQUIPMENT LAYOUTS OF ALL ELECTRICAL SPACES, ROOMS, ETC. TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING EQUIPMENT OR INSTALLING CONDUITS, ETC. THE LAYOUTS SHALL CONSIST OF PLAN VIEWS AT A SCALE OF 1/2" = 1'0" AND ELEVATIONS FOR EACH SUCH SPACE OR ROOM, ETC.

SLOPE OF HORIZ. DRAINAGE PIPE

SIZE (inches)	MINIMUM SLOPE (inch per foot)
2–1/2 or less	1/4
3 to 6	1/8
8 or larger	1/16

TABLE 704.1 OF THE FLORIDA PLUMBING CODE 2020

PLUMBING SYMBOL LEGEND

SCALE: N.T.S.

SYMBOL	DESCRIPTION
	SANITARY LINE
	VENT LINE
CD	CONDENSATE LINE
	COLD WATER LINE
	HOT WATER LINE
	GATE VALVE
	WATER HAMMER ARRESTOR
	FLOOR PENETRATION
WC	WATER CLOSET
LAV	LAVATORY
DF	DRINKING FOUNTAIN
CO	CLEAN OUT
FD	FLOOR DRAIN
VTR	VENT THRU ROOF
COOG	CLEANOUT ON GRADE

RISE | FL architecture

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STRUCTURAL CONSULTANT:

MEP CONSULTANT:
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P.I.T. MGR: IGOR LONCAREVIC
PROJECT #: 23057542
(Okeechobee Mikvah)
Digitally signed by George Sanjuan Date: 2024.09.20 11:07:51 -04'00'

CIVIL CONSULTANT:

REVISIONS:

NO.	DATE	DESCRIPTION
1	3-29-2024	RESPONSE TO COMMENTS

CLIENT: CLIENT NAME

PROJECT NAME / LOCATION: MIKVAH OKEECHOBEE, FL

DRAWING TITLE: PLUMBING INDEX, SYMBOL, LEGEND AND NOTES PLAN

EXAMINER'S SIGNATURE:

PROFESSIONAL SEAL:

GEORGE SANJUAN P.E.
FLORIDA LICENSE #46100

SCALE: 1/4" = 1'-0"

DATE:

PROJECT NO.: P001

DRAWING NO.: 06

BARCODE:

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE DRAWING. THE DRAWING SHALL NOT BE USED, UNTIL SIGNED BY CONSULTANTS.

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