

PLUMBING LEGEND	
NOTE: ALL ABBREVIATIONS, SYMBOLS, AND SYMBOLS MAY NOT APPLY TO THIS PROJECT	
ABBREVIATIONS	
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
SS	SANITARY SEWER
T.P.	TRAP PRIMER
FCO	FLOOR CLEAN OUT
VTR	VENT THROUGH ROOF
ECO	EXTERIOR CLEAN OUT
WCO	WALL CLEAN OUT
GW	GREASE WASTE
UG	UNDERGROUND
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
PRW	PRIMARY RAIN WATER
SRW	SECONDARY RAIN WATER
ETR	EXISTING TO REMAIN
SYMBOLS	
—	COLD WATER LINE
—	HOT WATER LINE
—	SANITARY SEWER PIPE BELOW FLOOR/GRADE
—	VENT LINE
—	HOT WATER RECIRC. LINE
—	GREASE WASTE
—	COLD WATER LINE UNDER SLAB
—	HOT WATER LINE UNDER SLAB
—	HOT WATER RECIRCULATION LINE UNDER SLAB
—	STORM PIPING
—	SEWER/WASTE PIPING ABOVE FLOOR
—	EXISTING COLD WATER LINE
—	EXISTING HOT WATER LINE
—	EXISTING SANITARY SEWER PIPE BELOW FLOOR/GRADE
SYMBOLS	
—	CLEAN OUT PIPE CAP
—	FLOOR/EXTERIOR CLEAN OUT
—	WALL CLEAN OUT
—	PIPE TURN UP
—	PIPE TURN DOWN
—	BALANCE VALVE - CIRCUIT SETTER
—	SHUT OFF VALVE
—	PIPE SIZE REDUCTION
—	CONNECTION TO EXISTING

PLUMBING SPECIFICATIONS

- ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE AND ALL LOCAL PLUMBING CODES. CONTRACTOR SHALL PAY FOR FEES AND PERMITS.
- ALL WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH CEMENT JOINTS.
 - SLOPE WASTE PIPING 3" AND SMALLER AT 1/4" PER FOOT.
 - SLOPE WASTE PIPING 4" AND LARGER AT 1/8" PER FOOT.
- PROVIDE CLEANOUTS WHERE NOTED. FLOOR CLEANOUT TYPE IS TO MATCH FINISHED FLOOR MATERIAL APPLICATION. FLOOR CLEANOUT FINISH TO BE POLISHED BRONZE. WALL CLEANOUT FINISH TO BE CHROME.
- ALL DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER WITH LEAD-FREE SOLDER JOINTS. INSULATION SHALL BE PRE-MOLDED, 4 lb DENSITY REINFORCED FIBERGLASS WITH ALUMINUM FOLY VAPOR BARRIER. INSULATE COLD WATER PIPING WITH 1/2" FIBERGLASS AND HOT WATER PIPING WITH 1" FIBERGLASS.
- ALL JOINTS BETWEEN STEEL AND COPPER PIPING SHALL BE MADE WITH BRASS FITTINGS OR UNIONS. ISOLATE COPPER FROM STEEL SUPPORTS WITH PLASTIC SEPARATORS DESIGNED FOR PIPE ISOLATION.
- PIPE HANGERS FOR ALL PIPING (INCLUDING FIRE PROTECTION) SHALL BE GRINNELL OR EQUAL WITH HANGER TYPE MATCHING SYSTEM REQUIREMENT. MAXIMUM ALLOWABLE SPACING SHALL BE AS FOLLOWS:
 - 3/4" TO 1-1/4" DIA. — 6 FT. O.C. SPACING
 - 1-1/2" TO 2-1/2" DIA. — 10 FT. O.C. SPACING
 - 3" DIA. — 12 FT. O.C. SPACING
 - 4" TO 6" DIA. — 14 FT. O.C. SPACING
- ALL MATERIALS AND WORKMANSHIP SHALL BE QUARANTINED FOR A PERIOD OF ONE YEAR.
- STORM WASTE PIPING TO BE CAST IRON WITH NO HUB JOINTS. INSULATE ABOVE HORIZONTAL RUNS WITH 2" FIBERGLASS AS WELL AS EXISTING ROOF DRAIN BODIES. INSULATION SHALL BE PRE-MOLDED, 4 lb DENSITY REINFORCED FIBERGLASS WITH ALUMINUM FOLY VAPOR BARRIER. INSULATE COLD WATER PIPING WITH 1/2" FIBERGLASS AND HOT WATER PIPING WITH 1" FIBERGLASS.
- PEX PIPING CONFORMING TO ASTM F877 IS AN ACCEPTABLE SUBSTITUTE FOR DOMESTIC WATER PIPING. CIRCULATED DOMESTIC HOT WATER AND HOT WATER RECIRCULATION PIPING SHALL BE INSULATED WITH 1" RADIANT FLEX INSULATION. NON-CIRCULATING HOT WATER SYSTEMS SHALL BE INSULATED WITH 1/2" RADIANT FLEX INSULATION. DOMESTIC COLD WATER PIPING SHALL BE INSULATED WITH 1/2" RADIANT FLEX INSULATION.

WATER HAMMER ARRESTOR SCHEDULE	
P-A	Zum Z-1700 series, #100, PDI size A (11 lb) 3/4 in.
P-B	Zum Z-1700 series, #200, PDI size B (32 lb) 1 in.
P-C	Zum Z-1700 series, #300, PDI size C (60 lb) 1 in.
P-D	Zum Z-1700 series, #400, PDI size D (113 lb) 1 in.
P-E	Zum Z-1700 series, #500, PDI size E (154 lb) 1 in.
P-F	Zum Z-1700 series, #600, PDI size F (330 lb) 1 in.

INSTANTANEOUS WATER HEATER SCHEDULE		
UNIT NO.	IWH-1	IWH-2
MANUFACTURER	EEMAX	EEMAX
MODEL #	EX3512	EX3512
K.W.	3.5	3.5
VOLTAGE	120/1/60	120/1/60
STORAGE GALS.	N/A	N/A
TEMP RISE - F (0.5 GPM)	48	48
DIGITAL TSTAT TEMP CONTR.	YES (1)	YES (1)
MULTI LAV.	YES	YES

(1) FACTORY SET TEMP 105°F WITH 3 GPM TURN ON
*INSTALL 0.5 GPM AERATOR PROVIDED WITH UNIT

CONTRACTOR SHALL COORDINATE EXACT PLUMBING FIXTURES WITH ARCHITECT AND OWNER. PLUMBING FIXTURES LISTED ON THIS DRAWING ARE FOR DESIGN INTENT ONLY.

P-8: WATER CLOSET (A.D.A., FLUSH TANK.) A.S. 2386.012, Kohler K 3589, 1.6 gal. flush, vit. china, floor mtd. Cerlaco 500CCSS white elongated open front seatwith check hinge. Two 5/16 in. closet bolts, nuts, washers and ball caps. No soap bowl wax. One Zum Z-6804 CR 1/2 in. nom x 3/8 in. flex riser, wheel handle stop.
P-21: LAVATORY (A.D.A., WALL HUNG) Duravit Stark 3 D0309500000, Alpine White, 21 1/2 in. x 25 5/8 in. Moen Aligh 6190CH, Chrome, 1.2 gpm aerator. Two Zum Z-6804 LR 1/2 in. nom x 3/8 in. flex riser, wheel handle stop. One Zum Z-6745, 1-1/4 in. grid drain, ballpiece, feet w/ chair. One Zum Z-6700 S, 1-1/4 in. semi-cast brass floor, escrow stop. Mount rim maximum 24 in. above finished floor. Minimum clearance, floor to bottom front apron, 29 in. TruBoro 1/2 in. gpm aerator, #105W accessory for hot, cold and waste. Zum Z-231, 1/2 in. MC-41, concealed stem carrier. Cerlaco mixing valve, stainless steel #170 or equal, ASSE 1070 rated. Maximum hot water point setting valve to be 110 deg F.
P-47: SERVICE SINK (FLOOR BASIN) Top Basin PFMB2424S, 25 in. x 24 in. x 10 in. White composite basin, SS drain body, SS strainer.
P-50: FLOOR DRAIN (REGULAR) Zum ZN-415, Milab F1100 cast iron, sediment bucket, adjustable type. "B" strainer. Polished nickel bronze top, 1/2 inch trap primer (plug if not used).
P-61: WALL HYDRANT (NON-FREEZE) Zum Z-1310, Milab HY-1000 series, non freeze, integral vacuum breaker. S.S. face. Mounting height 18 in. center line of hydrant to finished grade.
P-65: ROOF HYDRANT (NON-FREEZE) Woodford RHV1 MS, 3/4 in. hose nozzle, non freeze, with roof mounting system.

PLUMBING FIXTURE CONNECTION SCHEDULE (UNLESS OTHERWISE NOTED)						
UNIT NO.	P-8	P-21	P-47	P-50	P-61	P-65
DESCRIPTION	WATER CLOSET	LAV/SINK	SERVICE SINK	DRAIN	HOSE BIBB	ROOF HYDRANT
COLD WATER	1/2"	1/2"	1/2"	1/2" T.P.	3/4"	3/4"
HOT WATER	-	1/2"	1/2"	-	-	-
WASTE	4"	2"	3"	4"	-	1"
VENT	2"	1-1/2"	2"	2"	-	-

Other Plans @ www.LDILine.com

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CLIENT NAME
ROCKLEDGE MULTI-FAMILY

PROJECT NAME
ROCKLEDGE MULTI-FAMILY
220 Baron Boulevard
Rockledge, FL 32955

Revision Schedule	
No.	Date

PROJECT NO.
0540150010
DATE
20/01/16
DRAWN
R. J. ...
CHECKED
C. ...

P001

GMP PRICING SET