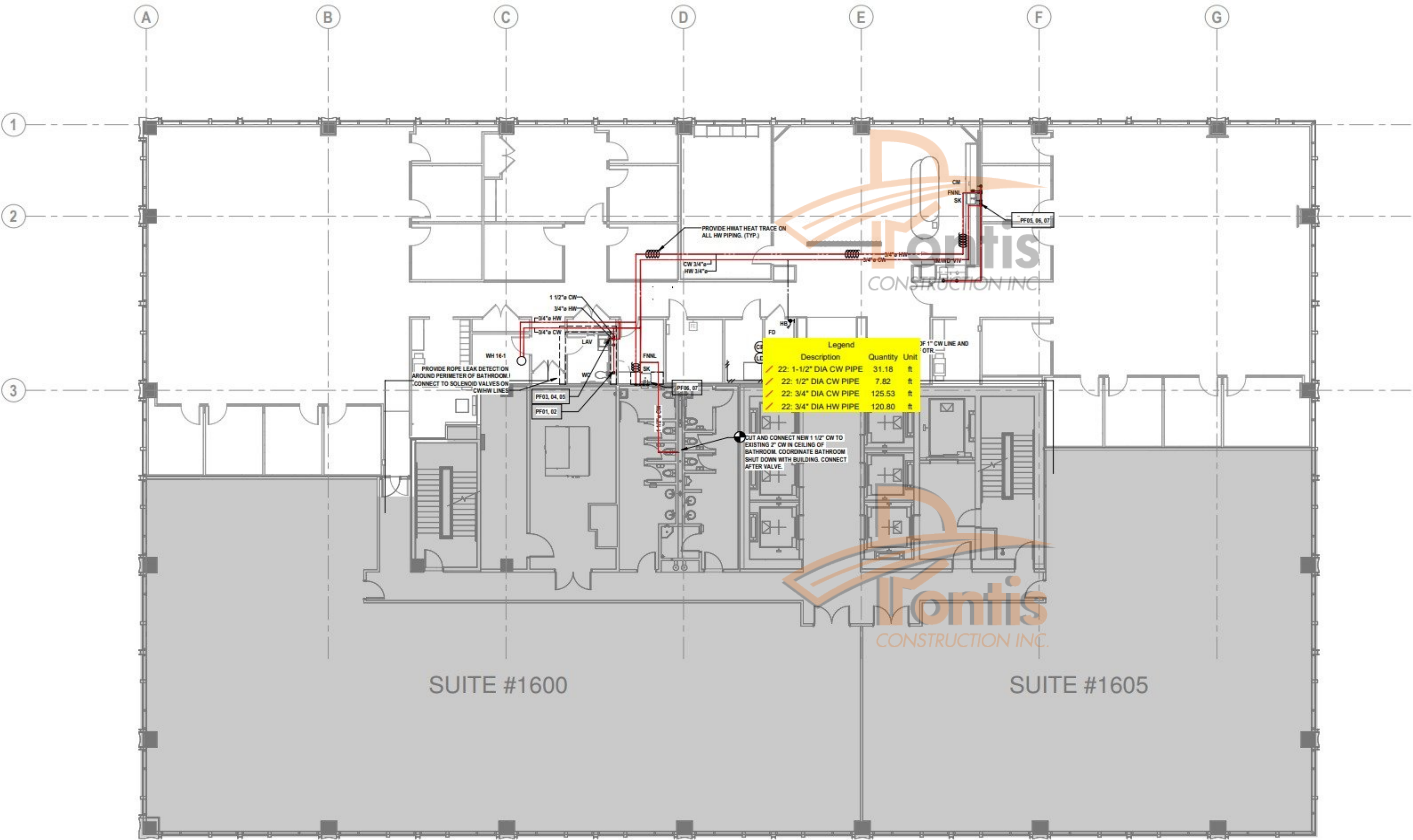


Please Note: This is a complimentary working sample including the source files. For further details or inquiries, feel free to reach out to us at david@pontisconstruction.com.

PROJECT NAME : JPMC WEST PALM BEACH RENNOVATION

DETAILED - MARKUPS



1. PROVIDE ASSE 1024 COMPLIANT BFP AT ALL COFFEE MAKERS AND BEVERAGE DISPENSERS.
2. PROVIDE LEAK DETECTORS UNDERNEATH ALL SINKS TIED TO BUILDING BMS AND SOLENOID VALVES. REFER TO MECHANICAL PLANS.
3. REFER TO P-4.0 FOR PLUMBING RISER DIAGRAM.
4. REFER TO P-8.0 FOR PLUMBING DETAILS.
5. REFER TO P-1.0 FOR PLUMBING SCHEDULES.

PLUMBING FIXTURE CONNECTION NOTES:

- SINK (SK)
2" SAN, 2" V, 1/2" CW, 1/2" HW
- LAVATORY (LAV)
1 1/2" SAN, 1 1/2" V, 1/2" CW, 1/2" HW
- WATER CLOSET (WC)
4" W, 2" V, 1 1/2" CW
- WATER DISPENSER/MAKER (WDM)
1/2" FW, 3/4" IW SPILLED TO FUNNEL DRAIN BELOW SINK. PROVIDE 1" AIR GAP.
- COFFEE MAKERS (CM)
1/2" FW, 3/4" IW SPILLED TO FUNNEL DRAIN BELOW SINK. PROVIDE 1" AIR GAP.
- WATER DISPENSER (VIV)
1/2" FW, 3/4" IW SPILLED TO FUNNEL DRAIN BELOW SINK. PROVIDE 1" AIR GAP.
- FUNNEL DRAIN W/ TRAP PRIMER (FNL)
2" SAN, 2" V. PROVIDE 2" FUNNEL DRAIN WITH TRAP PRIMER TO RECEIVE IW FROM PANTRY APPLIANCES / WATER HEATERS. EXACT LOCATION TO BE COORDINATED IN FIELD. CONNECT TRAP PRIMER TO SINK CW FEED.
- FLOOR DRAIN W/ TRAP PRIMER (FD)
2" SAN, 2" V. PROVIDE 2" FUNNEL DRAIN WITH FUNNEL ATTACHMENT AND TRAP PRIMER TO RECEIVE INDIRECT WASTE FROM PANTRY APPLIANCES. EXACT LOCATION TO BE COORDINATED IN FIELD. CONNECT TRAP PRIMER TO SINK CW FEED.
- STORAGE WATER HEATER
3/4" CW, 3/4" HW, 3/4" IW CONNECTED TO DRIP PAN AND TEMPPRESS RELIEF VALVE. ROUTE EACH LINE SEPARATELY TO FUNNEL DRAIN BELOW SINK. PROVIDE MIN 1" AIR GAP.

JPMC WEST PALM BEACH
RENOVATION

360 ROSEMARY AVENUE,
SUITE 1610
WEST PALM BEACH, FL
33401

NOT FOR
CONSTRUCTION

RDA
ROBERT DEREK ASSOCIATES

MEP ENGINEERING | COMMISSIONING | MISSION CRITICAL
IT/MULTIMEDIA/SECURITY | ENERGY & SUSTAINABILITY | ACOUSTICS
1 SE THIRD AVE. SUITE 1746, MIAMI, FL 33131 | 784-535-7374

PROJ. ENG. NO

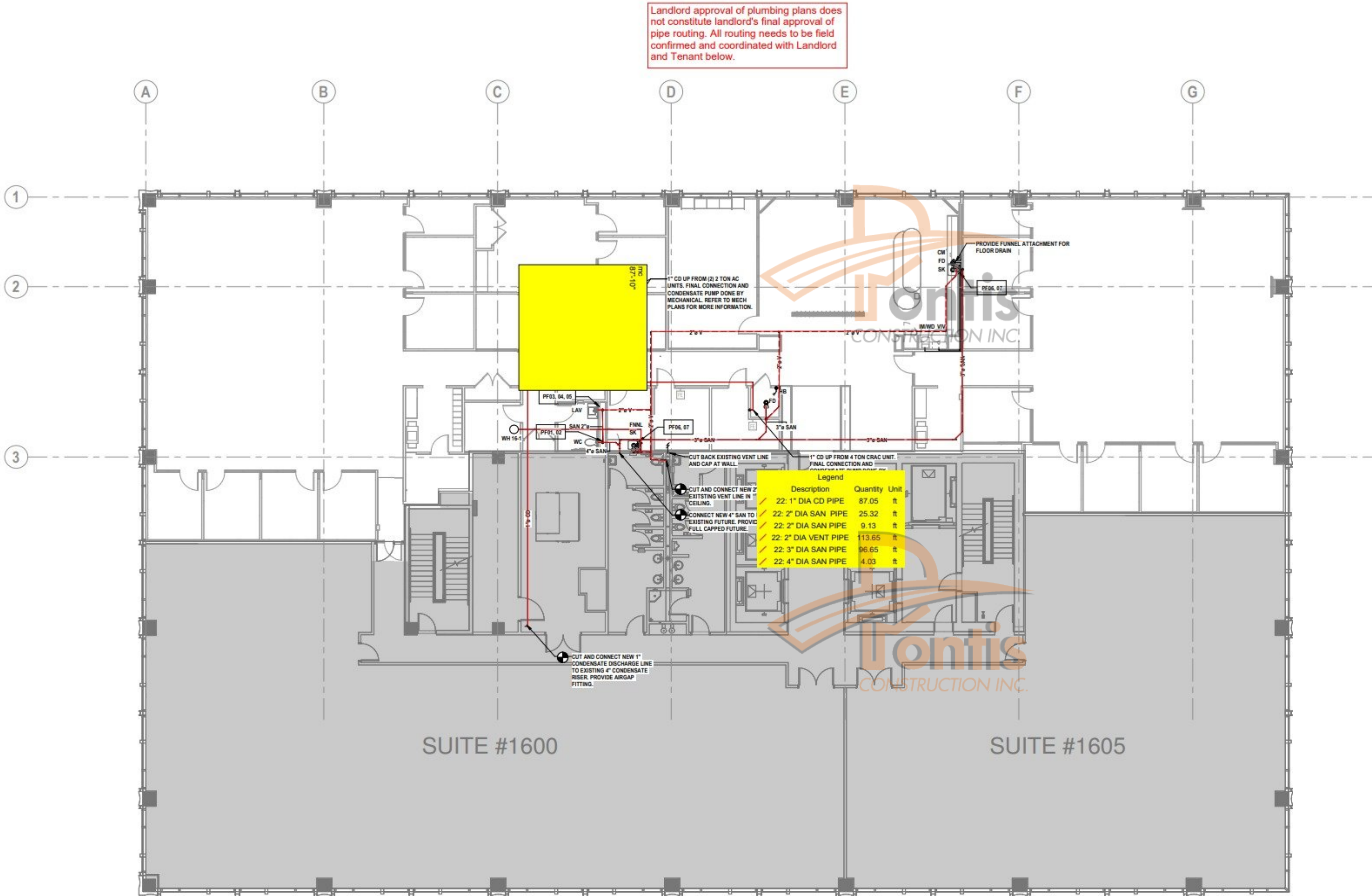
PROJ. MGR. NR

3	ISSUED FOR LANDLORD REVIEW	06/25/2024
2	ISSUED FOR PROGRESS	06/18/2024
1	ISSUED FOR DESIGN DEVELOPMENT	05/06/2024

DELTA ISSUE DESCRIPTION DATE

Owner Approval
629609
Job No.
1/8" = 1'-0"
Scale

303 RDA MEP - JPMC WEST PALM BEACH RENNOVATION
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JPMC WEST PALM BEACH RENOVATION

360 ROSEMARY AVENUE,
SUITE 1610
WEST PALM BEACH, FL
33401

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1 SE THIRD AVE. SUITE 1740, MIAMI, FL 33131 | 784-535-7374

PROJ. ENG. NO

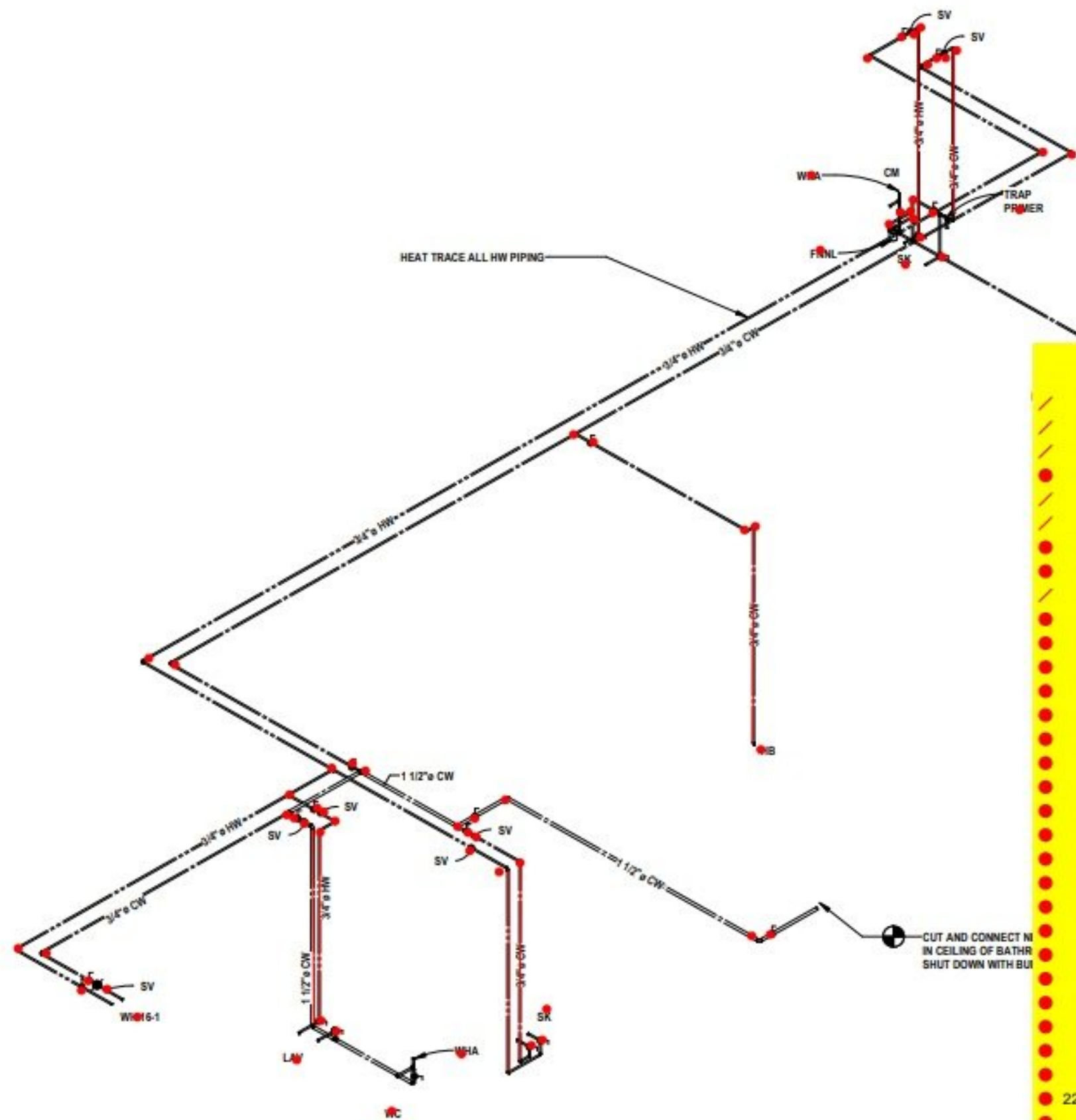
PROJ. MGR. NR

3	ISSUED FOR LANDLORD REVIEW	06/25/2024
2	ISSUED FOR PROGRESS	06/18/2024
1	ISSUED FOR DESIGN DEVELOPMENT	05/06/2024

DELTA	ISSUE	DESCRIPTION	DATE
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Owner Approval

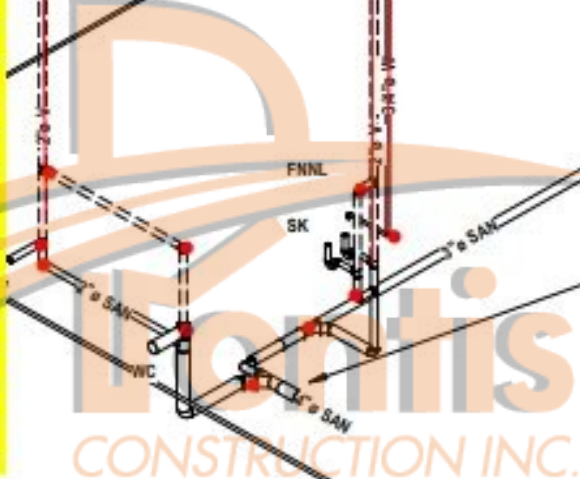
06/25/24



PLUMBING DOMESTIC ISOMETRIC

Legend		
Description	Quantity	Unit
22" 1-1/2" DIA CW PIPE	9.97	ft
22" 3/4" DIA CW PIPE	39.26	ft
22" 3/4" DIA HW PIPE	20.85	ft
22: 1-1/2" DIA BALL VALVE	1	Count
22: 1" DIA CD PIPE	10.82	ft
22: 2" DIA VENT PIPE	43.68	ft
22: 3/4" DIA BALL VALVE	20	Count
22: 3/4" DIA SV	7	Count
22: 3/4" DIA WASTE PIPE	8.86	ft
22: CD: 1" DIA ELBOW JOINT	7	Count
22: FD	2	Count
22: FNNL	1	Count
22: HB	1	Count
22: LAV	1	Count
22: SJ: 2" DIA ELBOW JOINT	10	Count
22: SJ: 2"x2"x2" DIA TEE JOINT	1	Count
22: SJ: 2"x2"x2" DIA TEE JOINT	6	Count
22: SJ: 3" DIA ELBOW JOINT	2	Count
22: SJ: 3"x3"x2" DIA WYE JOINT	1	Count
22: SJ: 3"x3"x3" DIA WYE JOINT	1	Count
22: SJ: 3"x4"x4" DIA WYE JOINT	1	Count
22: SJ: 3/4" DIA ELBOW JOINT	3	Count
22: SJ: 4"x2"x4" DIA TEE JOINT	1	Count
22: SK	2	Count
22: TRAP PRIMER	1	Count
22: WC	1	Count
22: WH 16-1	1	Count
22: WHA	4	Count
22: WJ: 1-1/2" DIA ELBOW JOINT	2	Count
22: WJ: 1-1/2"x3/4"x1-1/2" DIA TEE JOINT	2	Count
22: WJ: 3/4" DIA ELBOW JOINT	22	Count
22: WJ: 3/4"x1-1/2"x1-1/2" DIA TEE JOINT	1	Count
22: WJ: 3/4"x3/4"x3/4" DIA TEE JOINT	3	Count

DM (2) 2 TON AC UNITS. FINAL
N AND CONDENSATE PUMP
MECHANICAL. REFER TO MECH
FOR MORE INFORMATION.



PLUMBING DWV ISOMETRIC

- BOOK SPECIFICATION IS PART OF THIS CONTRACT.
- THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

PLUMBING NOTES:

- PROVIDE ASSE 1070/CSA B125.3 TMV AT ALL LAVATORIES.
- PROVIDE ASSE 1016/ASME A112.1016/CSA B125.16 OR ASME A112.18.1/CSA B125.1 ANTI SCALB VALVE AT SHOWER SET TO 120 DEG F.
- PROVIDE ASSE 1024 COMPLIANT BFP AT ALL COFFEE MAKERS AND BEVERAGE DISPENSERS.
- PROVIDE LEAK DETECTORS UNDERNEATH ALL SINKS TIED TO BUILDING BMS AND SOLENOID VALVES. REFER TO MECHANICAL PLANS.
- REFER TO P-4.0 FOR PLUMBING RISER DIAGRAM.
- REFER TO P-8.0 FOR PLUMBING DETAILS.
- REFER TO P-1.0 FOR PLUMBING SCHEDULES.

PLUMBING FIXTURE CONNECTION NOTES:

- SINK (SK)
2" SAN, 2" V
- LAVATORY (LAV)
1 1/2" SAN, 1 1/2" V, 1/2" CW 1/2" HW
- WATER CLOSET (WC)
4" W, 2" V, 1 1/2" CW
- WATER DISPENSER MAKER (WDM)
1/2" FW, 3/4" IW SPILLED TO FUNNEL DRAIN BELOW SINK. PROVIDE 1" AIR GAP.
- COFFEE MAKERS (CM)
1/2" FW, 3/4" IW SPILLED TO FUNNEL DRAIN BELOW SINK. PROVIDE 1" AIR GAP.
- WATER DISPENSER (VIV)
1/2" FW, 3/4" IW SPILLED TO FUNNEL DRAIN BELOW SINK. PROVIDE 1" AIR GAP.
- FUNNEL DRAIN W/ TRAP PRIMER (FNL)
2" SAN, 2" V. PROVIDE 2" FUNNEL DRAIN WITH TRAP PRIMER TO RECEIVE IW FROM PANTRY APPLIANCES / WATER HEATERS. EXACT LOCATION TO BE COORDINATED IN FIELD. CONNECT TRAP PRIMER TO SINK CW FEED.
- FLOOR DRAIN W/ TRAP PRIMER (FD)
3" SAN, 2" V. PROVIDE 3" FUNNEL DRAIN WITH FUNNEL ATTACHMENT AND TRAP PRIMER TO RECEIVE INDIRECT WASTE FROM PANTRY APPLIANCES. EXACT LOCATION TO BE COORDINATED IN FIELD. CONNECT TRAP PRIMER TO SINK CW FEED.
- STORAGE WATER HEATER
3/4" CW, 3/4" HW, 3/4" IW CONNECTED TO DRIP PAN AND TEMP/PRESS RELIEF VALVE. ROUTE EACH LINE SEPARATELY TO FUNNEL DRAIN BELOW SINK. PROVIDE MIN 1" AIR GAP.

JPMC WEST PALM BEACH
RENOVATION

360 ROSEMARY AVENUE,
SUITE 1610
WEST PALM BEACH, FL
33401

NOT FOR
CONSTRUCTION

RDA
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MEP ENGINEERING | COMMISSIONING | MISSION CRITICAL
IT/MULTIMEDIA/SECURITY | ENERGY & SUSTAINABILITY | ACOUSTICS
1 SE THIRD AVE, SUITE 1740, MIAMI, FL 33131 | 786-535-7374

PROJ. ENG. NO

PROJ. MGR. NR

3	ISSUED FOR LANDLORD REVIEW	06/25/2024
2	ISSUED FOR PROGRESS	06/18/2024
1	ISSUED FOR DESIGN DEVELOPMENT	05/06/2024

DELTA ISSUE DESCRIPTION DATE

Project: JPMC WEST PALM BEACH RENNOVATION													
Address 360 ROSEMARY AVENUE. SUITE 1610 WEST PALM BEACH, FL 33401													
Scope: Plumbing													
Date: 10/8/2023													
Labor Rate 225\$													
MATERIAL TOTALS \$22,958.06													
LABOR TOTALS \$63,459.16													
SR #	REF	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	MATERIAL RATE	UNIT LABOR	TOTAL LABOR	LABOR RATE	MATERIAL COSTS	LABOR COSTS	SUB COST
1000 GENERAL REQUIREMENTS													
1		PERMITS, SITE SUPERVISION, FINAL CLEANUP & DUMPSTER	1	LS	0%	1.00	\$0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00
SUBTOTAL												\$0.00	
22000 Division 22 - PLUMBING													
WASTE & VENT PIPING													
2		2" Dia Sanitary Pipe	38	LF	10%	42	\$19.54	0.156	6.5208	\$225.00	\$816.77	\$1,467.18	\$2,283.95
3		3" Dia Sanitary Pipe	97	LF	10%	107	\$20.45	0.160	17.072	\$225.00	\$2,182.02	\$3,841.20	\$6,023.22
4		4" Dia Sanitary Pipe	10	LF	10%	11	\$22.34	0.182	2.002	\$225.00	\$245.74	\$450.45	\$696.19
5		2" Dia Vent Pipe	165	LF	10%	182	\$19.54	0.156	28.314	\$225.00	\$3,546.51	\$6,370.65	\$9,917.16
6		3/4" Dia Waste Pipe	10	LF	10%	11	\$7.04	0.123	1.353	\$225.00	\$77.44	\$304.43	\$381.87
CONDENSATE PIPE													
7		1" Dia Condensate Pipe	97	LF	10%	107	\$7.26	0.125	13.3375	\$225.00	\$774.64	\$3,000.94	\$3,775.58
WATER PIPING													
8		1/2" Dia Cold Water Pipe	7.82	LF	10%	9	\$5.12	0.100	0.8602	\$225.00	\$44.04	\$193.55	\$237.59
9		3/4" Dia Cold Water Pipe	169	LF	10%	186	\$6.03	0.134	24.9106	\$225.00	\$1,120.98	\$5,604.89	\$6,725.86
10		1-1/2" Dia Cold Water Pipe	44	LF	10%	48	\$7.86	0.18	8.712	\$225.00	\$380.42	\$1,960.20	\$2,340.62
11		3/4" Dia Hot Water Pipe	144	LF	10%	158	\$6.03	0.134	21.2256	\$225.00	\$955.15	\$4,775.76	\$5,730.91
SANITARY PIPE JOINTS													
12		3/4" Dia Elbow Joint	3	EA	0%	3	\$54.00	1.1	3.3	\$225.00	\$162.00	\$742.50	\$904.50
13		2" Dia Elbow Joint	10	EA	0%	10	\$60.00	1.3	13	\$225.00	\$600.00	\$2,925.00	\$3,525.00
14		3" Dia Elbow Joint	2	EA	0%	2	\$64.00	1.45	2.9	\$225.00	\$128.00	\$652.50	\$780.50
15		2"X2"X2" Dia Tee Joint	7	EA	0%	7	\$148.00	1.544	10.808	\$225.00	\$1,036.00	\$2,431.80	\$3,467.80
16		4"X2"X4" Dia Tee Joint	1	EA	0%	1	\$168.00	1.72	1.72	\$225.00	\$168.00	\$387.00	\$555.00
17		3"X3"X2" Dia Wye Joint	1	EA	0%	1	\$164.00	1.70	1.7	\$225.00	\$164.00	\$382.50	\$546.50
18		3"X4"X4" Dia Wye Joint	1	EA	0%	1	\$166.00	1.68	1.68	\$225.00	\$166.00	\$378.00	\$544.00
19		3"X3"X3" Dia Wye Joint	1	EA	0%	1	\$160.00	1.64	1.64	\$225.00	\$160.00	\$369.00	\$529.00
WATER PIPE JOINTS													
20		3/4" Dia Elbow Joint	22	EA	0%	22	\$54.00	1.105	24.31	\$225.00	\$1,188.00	\$5,469.75	\$6,657.75
21		1-1/2" Dia Elbow Joint	2	EA	0%	2	\$62.00	1.34	2.68	\$225.00	\$124.00	\$603.00	\$727.00
22		1-1/2"X3/4"X1-1/2" Dia Tee Joint	1	EA	0%	1	\$152.00	1.56	1.56	\$225.00	\$152.00	\$351.00	\$503.00
23		3/4"X1-1/2"X1-1/2" Dia Tee Joint	1	EA	0%	1	\$160.00	1.59	1.59	\$225.00	\$160.00	\$357.75	\$517.75
24		1-1/2"X3/4"X1-1/2" Dia Tee Joint	1	EA	0%	1	\$154.00	1.65	1.65	\$225.00	\$154.00	\$371.25	\$525.25
25		3/4"X3/4"X3/4" Dia Tee Joint	3	EA	0%	3	\$148.00	1.55	4.65	\$225.00	\$444.00	\$1,046.25	\$1,490.25
CONDENSATE PIPE JOINT													
26		1" Dia Elbow Joint	7	EA	0%	7	\$68.90	1.123	7.861	\$225.00	\$482.30	\$1,768.73	\$2,251.03
PLUMBING FIXTURE													
27		Wc, Water Closet	1	EA	0%	1	\$688.00	4.5	4.5	\$225.00	\$688.00	\$1,012.50	\$1,700.50
28		Sk, Sink	2	EA	0%	2	\$564.00	5	10	\$2			

Project ID: JPMC WEST PALM BEACH RENNOVATION

Address: 360 ROSEMARY AVENUE. SUITE 1610 WEST

No. of Floors: 3 + Basement

CONSTRUCTION INC.

	Material Cost	\$	22,958.06
	Labor Cost	\$	63,459.16
	General Conditions Cost	\$	-

DIVISION NO.	DESCRIPTION	TOTAL DIV. COST
1000	General Requirements	\$ -
2200	Plumbing	\$ 86,417
PROJECTED COST		\$ 86,417

Material Markup	25%	\$	5,740
OVERHEAD AND PROFIT	40%	\$	36,863
TAX	10%	\$	9,216
SUGGESTED BASE BID		\$	138,235