

CONSTRUCTION OF FIT-OUT AND LANDSCAPE WORKS FOR THE TWENTY-THREE (23) STOREY PHILIPPINE STATISTICS AUTHORITY (PSA) OFFICE BUILDING WITH COVERED ROOF DECK

PSA COMPLEX, EAST AVENUE, DILIMAN, QUEZON CITY

DETAILED ARCHITECTURAL AND ENGINEERING DESIGN (DAED) PLUMBING AND SANITARY

NOTE: PURSUANT TO SECTION 4 OF ANNEX "A"OF THE REVISED IMPEDIANTING RULES AND REGULATION OF RA. 9184, APPROVAL BY THE AUTHORIZED DIPHH OFFICIALS OF BETALLED ENGINEERING SUMMER'S AND DESIGN UNDERTWACH BY CONSULTANTS NETHERR DIMINASTES THE RESPONSIBILITY OF THE STATES AND DESIGN NOR PRAYSTER ANY "PART OF THAT

THE DESIGN CONSULTANT SHALL BE HELD RESPONSIBLE FOR THE FAILURE OF THE FACILITY/I STRUCTURES DUE TO FAULTY DESIGN EXCEPT FIRE CHANGES MADE WITHOUT THE CONFERMIT OF

DRAWNISS AND SPECIFICATIONS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SENIOL. ARE PROPERLY AND DOCUMENTS OF THE ARCHITECT, WHETHER THE ORDER OFFOR WHICH DELY FOR MAY PERSON, MITHOUT THE WITHTON DOCUMENTS, TO UNIVERSITY OF ANY PERSON, MITHOUT THE WITHTON DOCUMENTS, TO UNIVERSITY OF MAY DELY THE WITHON DESIRED OF AND DOCUMENTS, FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BULDIONS, WHETHER DECOULDED PARTY.

	DRAWING INDEX				
			ABBREVIATIONS WATER DISTRIBUTION SYSTEM COLD WATER LINE	COLD WATER LINES	FOR PUMP PIPING, RISERS AND DOWNFEEDS SHALL BE GALVANIZED IRON (G.I.) PIPES, SCHED. 40, CONFORMING TO A-120-80, ASTM A53. FITTINGS SHALL BE CLASS 150. JOINTING SHALL BE FLAN CONNECTION. "SUPERIOR", "SUPREME" OR APPROVED EQUAL.
SHEET NO.	SHEET CONTENTS		PWL POTABLE WATER LINE POTABLE WATER RISER POTABLE WATER RISER POTABLE WATER DOWNFEED		FOR ROUGHING-IN OF TOILETS SHALL BE POLYPROPYLENE PIPE AND FITTINGS, CONFORMING TO TO ISO 15874 PN-20 MINIMUM. RATING JOINTING SHALL BE BY SOCKET FUSION. "RAUFUSION", "AND TO ISO 15874 PN-20 MINIMUM. RATING JOINTING SHALL BE BY SOCKET FUSION. "RAUFUSION", "AND TO ISO 15874 PN-20 MINIMUM. RATING JOINTING SHALL BE BY SOCKET FUSION. "RAUFUSION", "AND TO ISO 15874 PN-20 MINIMUM. RATING JOINTING SHALL BE BY SOCKET FUSION. "RAUFUSION", "AND TO ISO 15874 PN-20 MINIMUM. RATING JOINTING SHALL BE BY SOCKET FUSION."
PL-01	DRAWING INDEX, GENERAL NOTES, MATERIAL SPECIFICATIONS, LEGENDS, SYMBOLS AND ABBREVIATIONS/MISCELLANEOUS DETAIL.		— O → O → O → O → O → O → O → O → O → O	HOT WATER LINES	BELDEN", BRAND OR APPROVED EQUAL. SHALL BE POLYPROPYLENE PIPE AND FITTINGS, CONFORMING TO ISO 15874 PN-20 MINIMUM. RAT SHALL BE BY SOCKET FUSION., "RAUFUSION", "AMICO", "BELDEN", BRAND OR APPROVED EQUAL.
P-01	BASEMENT FLR. PLUMBING LAYOUT	19TH FLOOR PLUMBING LAYOUT	WASTE, SEWER & VENT SYSTEM		SCHEDULE OF G.I. PIPE DIAMETER EQUIVALENT TO PPRC / HDPE
P-02	MISCELLANEOUS DETAIL GROUND FLOOR PLUMBING LAYOUT P-15	20TH FLOOR PLUMBING LAYOUT			DESIGNED PIPE SIZE PIPE DIAMETER EQUIVALENT PIPE DIAMETER EQUIVALENT
P-03	2ND FLOOR PLUMBING LAYOUT	21ST FLOOR PLUMBING LAYOUT	VAC VENTAT CEILING → FCO FLOOR CLEANOUT		NOMINAL DIAMELER TO PPRC/HDPE PIPE(PN-20) TO PPRC/HDPE PIPE(PN-16) UTSIDE DIMENSION (MM) UTSIDE DIMENSION (M
P-04	3RD FLOOR PLUMBING LAYOUT P−16	22ND FLOOR PLUMBING LAYOUT	CCO CEILING CLEANOUT VS/WS/SS VENT / WASTE / SOIL STACK		20 32 5.4 25 3.5
P-05	4TH FLOOR PLUMBING LAYOUT 5TH FLOOR PLUMBING LAYOUT P-17	23RD FLOOR PLUMBING LAYOUT	☐ FD FLOOR DRAIN G+Ð VSTR VENT STACK THRU ROOF		25 40 6.7 32 4.4 32 50 8.3 40 6.9
P-06	OTT PEOOR PEOMBLE EXTRO	24TH FLOOR PLUMBING LAYOUT	VSTW VENT STACK THRÛ WÂLL STORM DRAINAGE SYSTEM		40 63 10.5 63 8.6
P-07 P-08	6TH FLOOR PLUMBING LAYOUT 7TH FLOOR PLUMBING LAYOUT P-18	ROOF DECK PLUMBING LAYOUT	DP DRAIN PIPE		50 75 12.5 75 10.3 65 90 15 90 12.3
P-08 P-09	8TH FLOOR PLUMBING LAYOUT		ACDP AIRCON DRAIN PIPE INS. INSULATION FCUD/ FAN COIL UNIT DRAIN /		75 110 18.3 110 15.1
P-10	9TH FLOOR PLUMBING LAYOUT		ACUD AIRCON UNIT DRAIN O DS DOWNSPOUT		100 140 23.3 140 23.3 150 – – – –
	10TH FLOOR PLUMBING LAYOUT		O ACDS AIRCON DRAIN STACK ◆ DD / GD DECK DRAIN / GUTTER DRAIN		200
P-11	11TH FLOOR PLUMBING LAYOUT		□ AD / CB AREA DRAIN/CATCH BASIN □ FDF FLOOR DRAIN W/ FUNNEL	SEWER/WASTE LINES	SHALL BE POLYVINYL CHLORIDE (PVC) PIPES CONFORMING TO ASTM D2729,
	12TH FLOOR PLUMBING LAYOUT		IIIIIIII T&G TRENCH & GRATING TD / PD TRENCH DRAIN / PARKING DRAIN		SERIES 1000 WITH IZOD IMPACT TEST OF 80 JOULES (MINIMUM) AND TENSILE STRENGTH OF 48MPC (MINIMUM). PIPES SHALL BE MADE OF VIRGIN PVC RESIN AND COMPOUND WITH CELL #12454D.
P-12	14TH FLOOR PLUMBING LAYOUT		PLUMBING FIXTURES		FITTINGS SHALL CONFORM TO ASTM D3311. PIPE AND FITTINGS SHALL BE LEAD FREE. JOINTING SHALL BE BY SOLVENT CEMENT. "CROWN PIPES", EMERALD ULTIMA", "MOLDEX" OR APPROVED EQU.
	15TH FLOOR PLUMBING LAYOUT		WC WATER CLOSET	VENT LINES / STACK	S SHALL BE POLYVINYL CHLORIDE (PVC) PIPES CONFORMING TO ASTM D2729, SERIES 1000 WITH IZC IMPACT TEST OF 80 JOULES (MINIMUM) AND TENSILE STRENGTH OF 48MPa (MINIMUM).
P-13	16TH FLOOR PLUMBING LAYOUT		□ LAV LAVATORY □ UR URINAL		PIPES SHALL BE MADE OF VIRGIN PVC RESIN AND COMPOUND WITH CELL #12454D. FITTINGS SHALL CONFORM TO ASTM D3311. PIPE AND FITTINGS SHALL BE LEAD FREE. JOINTING SHALL BE BY
5 44	17TH FLOOR PLUMBING LAYOUT		KS / PS KITCHEN SINK / PANTRY SINK	DOWNEDOUTS	SOLVENT CEMENT. "CROWN PIPES", EMERALD ULTIMA", "MOLDEX" OR APPROVED EQUAL. SHALL BE POLYVINYL CHLORIDE (PVC) PIPES CONFORMING TO ASTM D2729, SERIES 1000 WITH IZC
P-14	18TH FLOOR PLUMBING LAYOUT		⊠. GT GREASE TRAP	DOWNSPOUTS	IMPACT TEST OF 80 JOULES (MINIMUM) AND TENSILE STRENGTH OF 48MPa (MINIMUM). PIPES SHALL BE MADE OF VIRGIN PVC RESIN AND COMPOUND WITH CELL #12454D. FITTINGS SHAL
5-01	BASEMENT FLR. SANITARY LAYOUT	19TH FLOOR SANITARY LAYOUT	OTHERS s slope		CONFORM TO ASTM 3311. PIPE AND FITTINGS SHALL BE LEAD FREE. JOINTING SHALL BE BY SOLVENT CEMENT. "CROWN PIPES", EMERALD ULTIMA", "MOLDEX" OR APPROVED EQUAL.
5-02	GROUND FLOOR SANITARY LAYOUT S-15	20TH FLOOR SANITARY LAYOUT	GENERAL NOTES	STORM DRAINAGE	SHALL BE POLYVINYL CHLORIDE (PVC) PIPES AND FITTINGS, SERIES 1000 II, HIGH IMPACT, "EMERAL
S-03 S-04	2ND FLOOR SANITARY LAYOUT 3RD FLOOR SANITARY LAYOUT S-16	21ST FLOOR SANITARY LAYOUT	1. ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE	COLLECTOR	"MOLDEX", "CROWN PIPES" BRAND OR APPROVED EQUAL. JOINTING SHALL BE BY SOLVENT CEMENT CONFORMING TO ASTM D2564.
S-05	3RD FLOOR SANITARY LAYOUT S-16 4TH FLOOR SANITARY LAYOUT	22ND FLOOR SANITARY LAYOUT	PROVISIONS OF THE PHILS. PLUMBING CODE. THE NATIONAL PLUMBING CODE AND RULES & REGULATIONS OF CONCERNED CITY.		FOR OUTSIDE BUILDING SHALL BE CONCRETE DRAIN PIPE (CDP), TONGUE AND GROOVE, MORTAR JOINTS. REINFORCED FOR 300 MM.Ø AND LARGER. UNLESS OTHERWISE SPECIFIED ON PLANS.
S-06	5TH FLOOR SANITARY LAYOUT S-17	23RD FLOOR SANITARY LAYOUT	2. COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATIONS. THE	FCU /AHU /REFRICERAN	T SHALL BE POLYVINYL CHLORIDE (PVC) PIPES CONFORMING TO ASTM D2729, SERIES 1000 WITH IZOI
S-07	6TH FLOOR SANITARY LAYOUT	24TH FLOOR SANITARY LAYOUT	ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN. 3. ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATIONS REQUIRED	DRAIN LINES	IMPACT TEST OF 80 JOULES (MINIMUM) AND TENSILE STRENGTH OF 48MPG (MINIMUM). PIPES SHALL BE MADE OF VIRGIN PVC RESIN AND COMPOUND WITH CELL #12454D. FITTINGS SHALL
S-08	7TH FLOOR SANITARY LAYOUT S-18	ROOF DECK SANITARY LAYOUT	FOR PROPER EXECUTION OF OTHER TRADE SHALL BE WITH PRIOR APPROVAL OF THE		CONFORM TO ASTM 3311. PIPE AND FITTINGS SHALL BE LEAD FREE. JOINTING SHALL BE BY SOLVENT CEMENT. "CROWN PIPES", EMERALD ULTIMA","MOLDEX" OR APPROVED EQUAL.
S-09	8TH FLOOR SANITARY LAYOUT		ARCHITECT/ENGINEER. 4. PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND		FOR 40% AND BELOW SHALL BE PVC BLUE, "MOLDEX", "EMERALD" BRAND OR APPROVED EQUAL. JOINTING SHALL BE BY SOLVENT CEMENT JOINTING CONFORMING TO ASTM D564, PROVIDE INSULATI
S-10	9TH FLOOR SANITARY LAYOUT		INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR.		20 MM THICK, PRE-MOLDED ELASTOMERIC CLOSED CELL RUBBER INSULATION FOR INSIDE BUILDING.
S-11	10TH FLOOR SANITARY LAYOUT		5. ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% UNLESS OTHERWISE	WATER METER VALVES	"ARAD", "AMICO", SYNERGY, "IFLOW" OR MWSI APPROVED. "UNIVALYE", BERMAD", "DOROT", "KITZ" OR APPROVED EQUAL.
5 11	11TH FLOOR SANITARY LAYOUT		SPECIFIED.	DRAINS	"JAMAN BY EUROBRASS","JPI","FLAMINGO" OR APPROVED EQUAL.
S-12	12TH FLOOR SANITARY LAYOUT		SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.	FIRE STOPPING SYSTE	M "HILTI" OR APPROVED EQUAL.
5 12	14TH FLOOR SANITARY LAYOUT		7. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE, COORDINATION THE		
S-13	15TH FLOOR SANITARY LAYOUT		WORKS WITH SEWER LINE EFFLUENT DISPOSAL POINT & WATER LINE SERVICE CONNECTING POINT UNLESS OTHERWISE SPECIFIED.		RAIN WATER FILTRATION TANK (FILTRIPIC BRAND)
	16TH FLOOR SANITARY LAYOUT		8. ALL PIPE SIZES ARE IN MILLIMETERS AND ALL DIMENSIONS ARE IN METERS UNLESS		(FILTRIFIC BRAND)
S-14	17TH FLOOR SANITARY LAYOUT		OTHERWISE SPECIFIED. 9. ALL PIPE DIAMETER ARE INSIDE DIMENSION (NOMINAL) UNLESS OTHERWISE SPECIFIED.		
	18TH FLOOR SANITARY LAYOUT		10. VERIFY ARCHITECTURAL PLANS FOR THE EXACT LOCATION OR SETTING OUT OF FLOOR		
PL-02	ROUGHING—IN OF WATER DISTRIBUTION SYSTEM		DRAINS, FLOOR CLEAN-OUTS AND OTHER PLUMBING APPURTENANCES.		1000P TERED 1000PP FREE JANK
	ROUGHING—IN OF SEWER AND VENT SYSTEM		11. ALL CONCEALED VALVES OR VALVES AT CEILING LEVEL SHALL BE PROVIDED WITH ACCESS MANHOLE.		GRIV
			12. ALL VALVES AND FLANGES SHALL BE RATED WITH 150 PSI MIN. FOR SYSTEM WITH PRESSU	JRE	TOP
PL-03	DRAIN, WASTE & VENT SYSTEM SCHEMATIC DIAG	RAM	RATING OF MORE THAN 150 PSI. USE VALVE AND FLANGE WITH 300 PSI RATING MIN.		ELEVATION
PL-04	WATER SUPPLY SCHEMATIC DIAGRAM				RAIN WATER FILTRATION TANK (FILTRIFIC BRAND)
PL-05	RAINWATER COLLECTION & STORM DRAINAGE SY	STEM			(FILTRIFIC BRAND)
PL-06	DETAIL OF ELEVATED POTABLE WATER STORAGE TANK AND PUMP PIPING				
	DETAIL OF ELEVATED NON-POTABLE WATER STOLEND PUMP PIPING	RAGE TANK		5	SECTION SECTION
	MISCELLANEOUS DETAILS				2 FILTRIFIC WATER FILTRATION SYSTEM NIS. NIS.
					NIS.

