

PROPOSED REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM

RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO ST., VITO CRUZ, MANILA

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

HON. WILLIAM I. RAMIREZ

CHAIRMAN

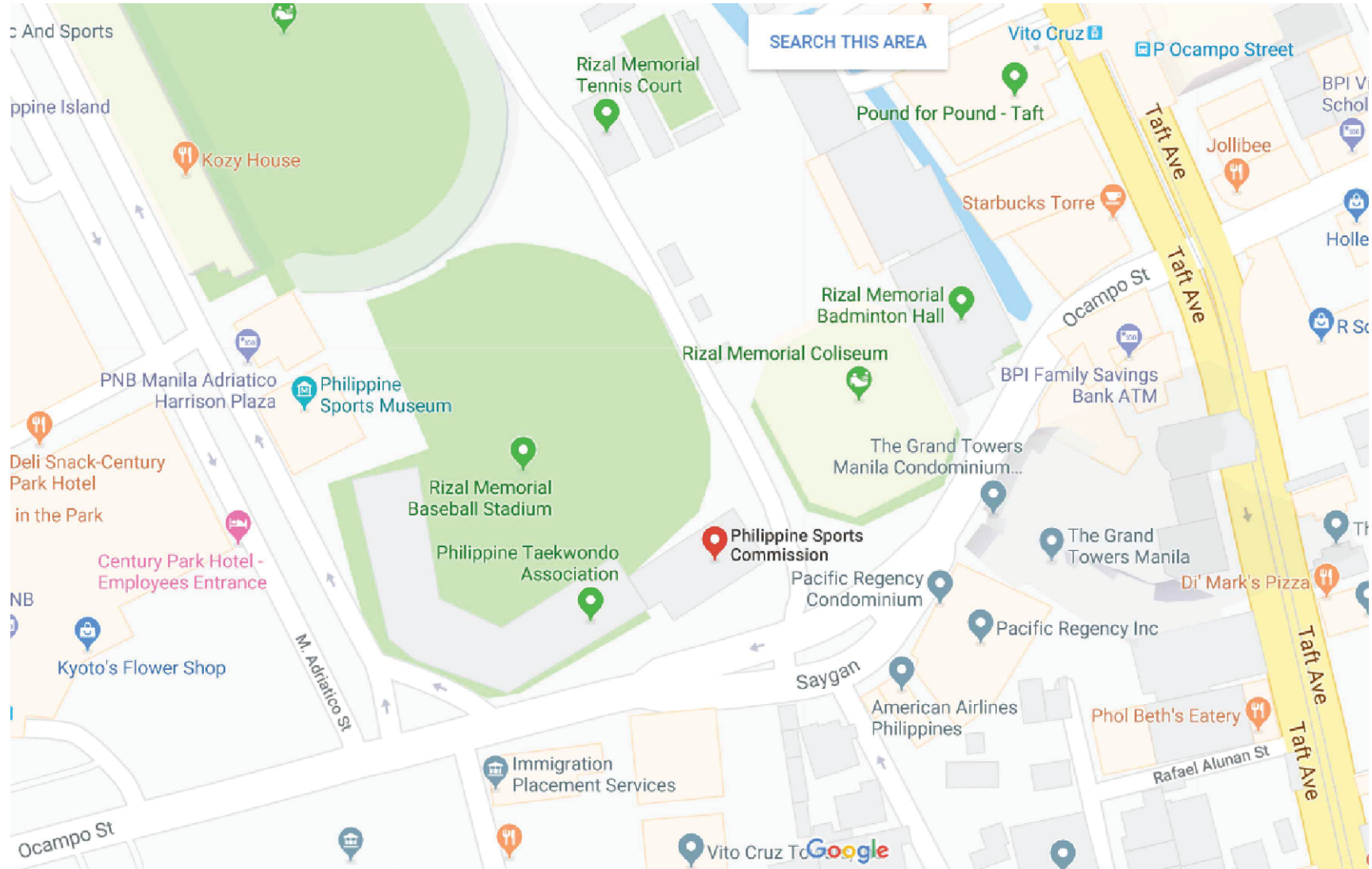
DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR



1
A0-02

PERSPECTIVE
SCALE NTS



2
A0-02

LOCATION MAP
SCALE NTS



3
A0-02

VICINITY MAP
SCALE NTS

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OFFICE OF THE BUILDING OFFICIAL

CITY / DISTRICT / MUNICIPALITY

ARCHITECT

STRUCTURAL ENGINEER

ELECTRICAL ENGINEER

MECHANICAL ENGINEER

SANITARY ENGINEER

MASTER PLUMBER



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

**REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM**

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

SHEET CONTENTS:

PERSPECTIVE
LOCATION MAP
VICINITY MAP

DESIGN BY:

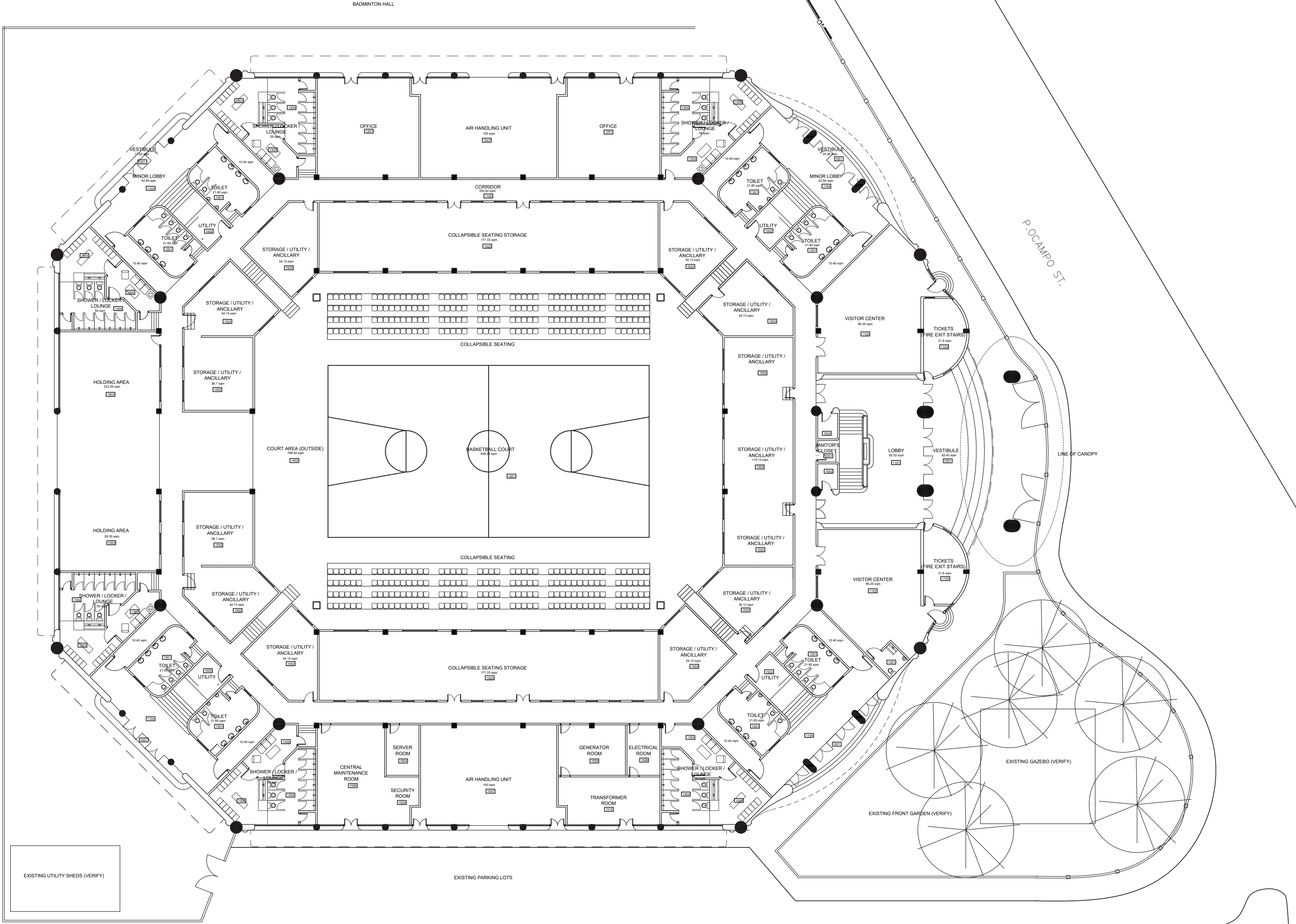
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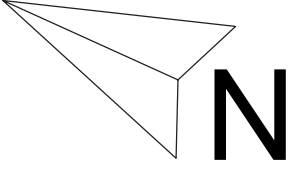
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A0-02



1 SITE DEVELOPMENT PLAN
A1-01 SCALE 1:250



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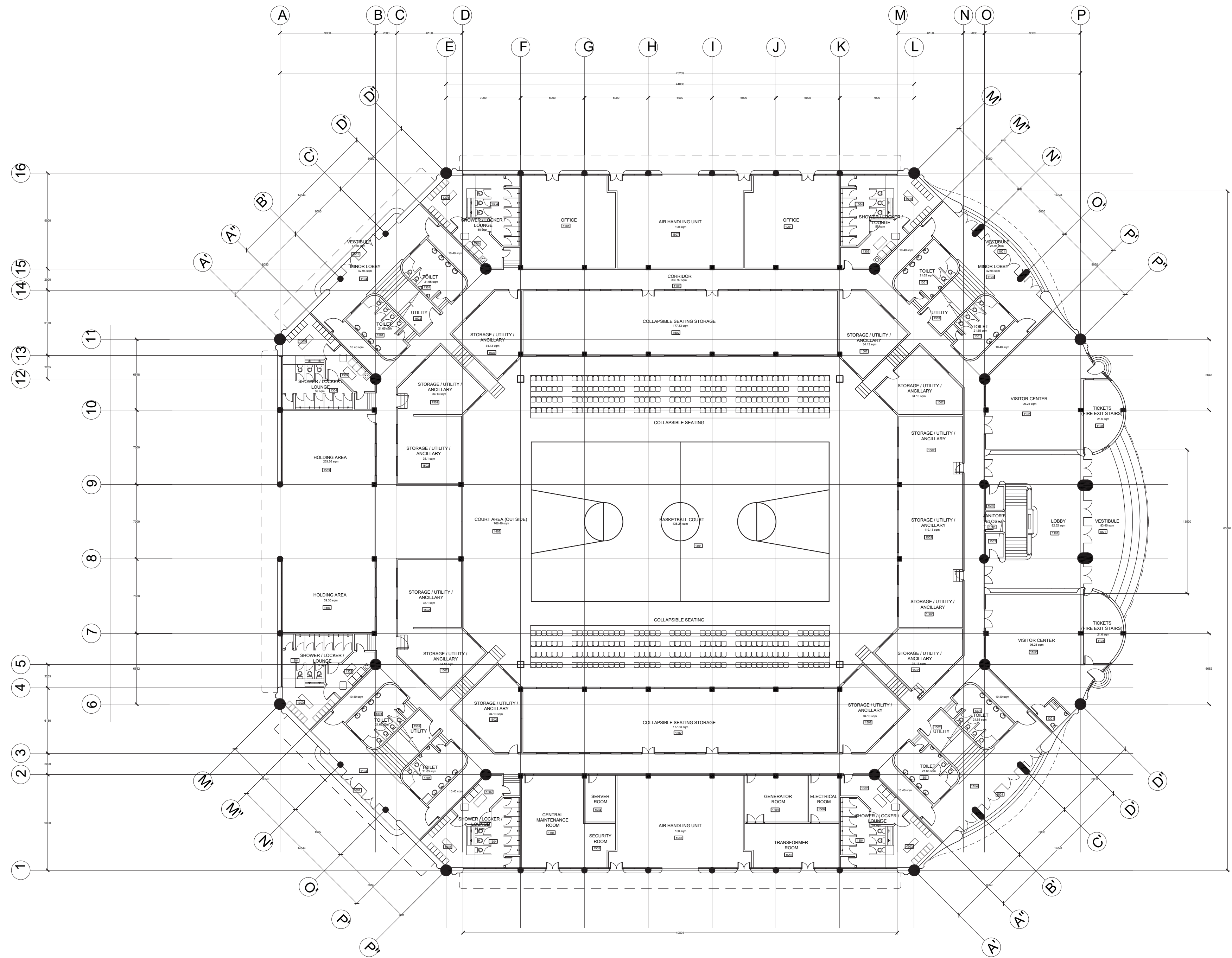
RECOMMENDING APPROVAL:
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OIC, EXECUTIVE DIRECTOR

APPROVED BY:
HON. WILLIAM I. RAMIREZ
CHAIRMAN

SHEET CONTENTS:
SITE DEVELOPMENT PLAN

DESIGN BY:
DRAWN BY:
CHECKED BY:
DATE:

SHEET NUMBER
A1-01



1 GROUND FLOOR PLAN
A2-01 SCALE 1:250



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CHAIRMAN

SHEET CONTENTS:

GROUND FLOOR PLAN

DESIGN BY:

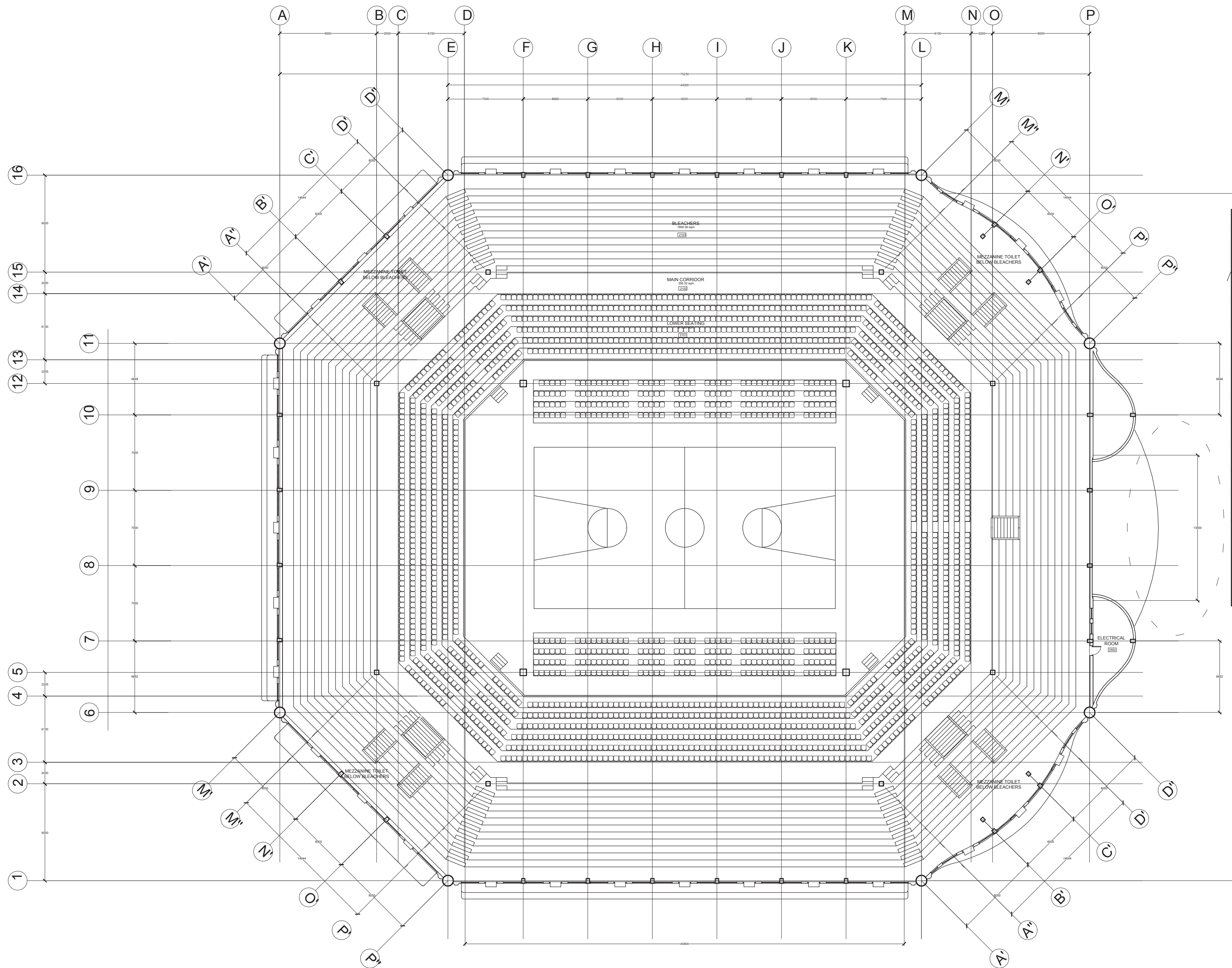
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SHEET NUMBER

A2-01



1
A2-02

STADIUM PLAN
SCALE 1:250



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SHEET CONTENTS:

STADIUM PLAN

DESIGN BY:

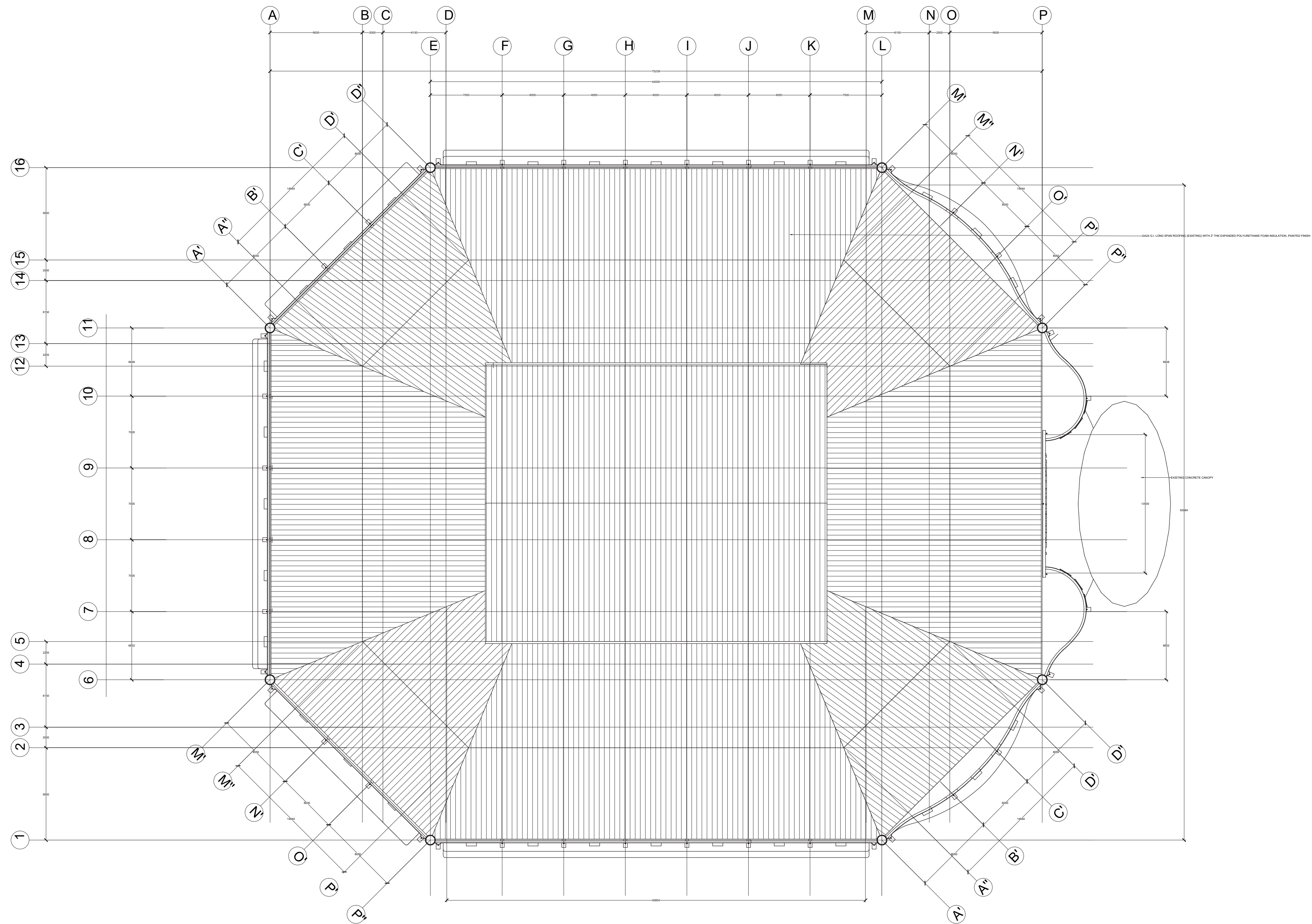
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A2-02



1 ROOF PLAN
A3-01 SCALE 1:250



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SHEET CONTENTS:

ROOF PLAN

DESIGN BY:

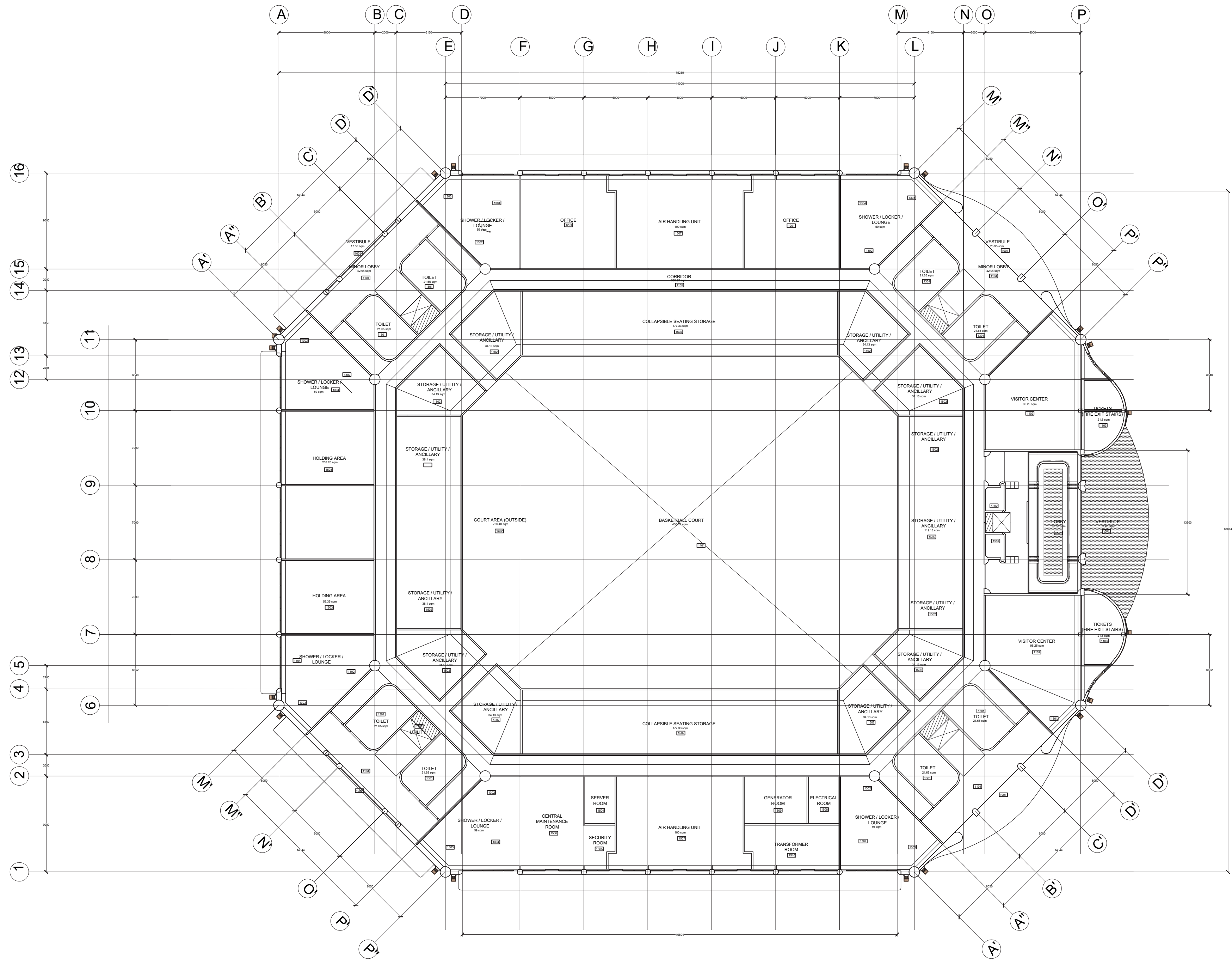
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A3-01



1
A3-01 GROUND REFLECTING CEILING PLAN
SCALE 1:250



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SHEET CONTENTS:

GROUND REFLECTING CEILING PLAN

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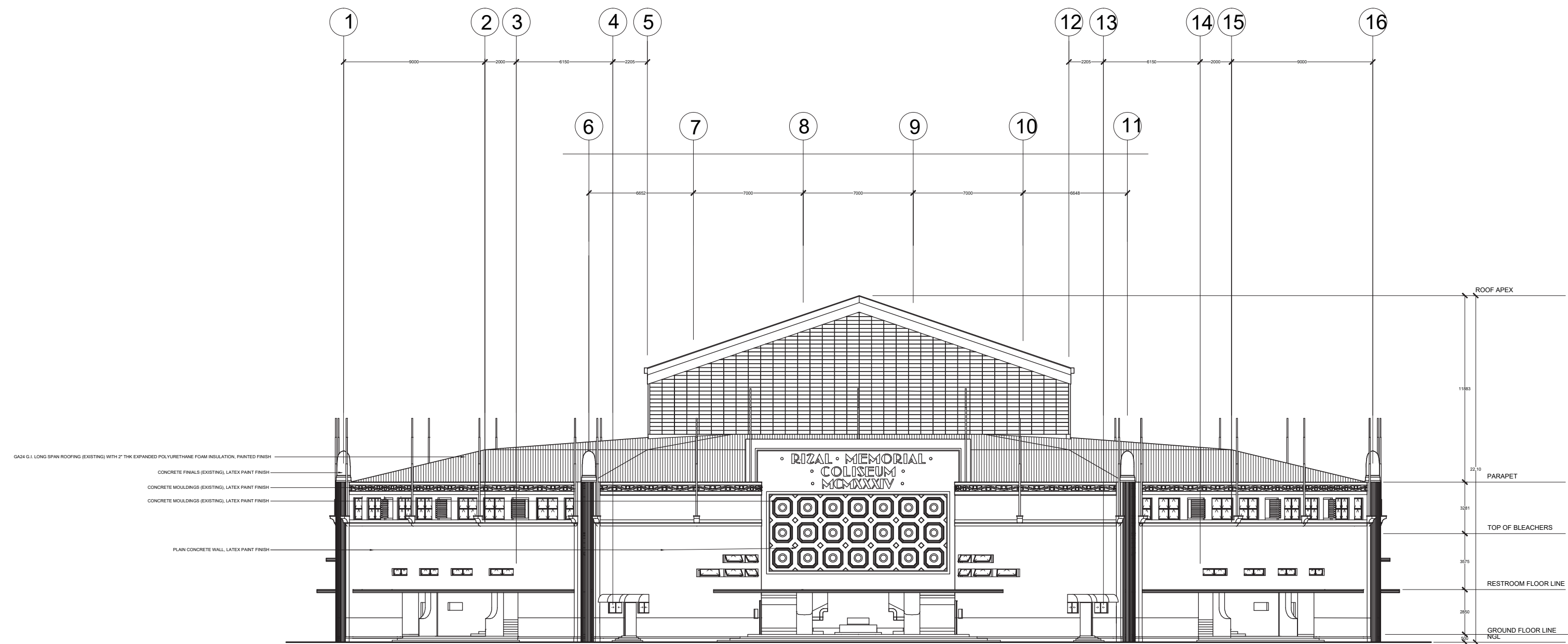
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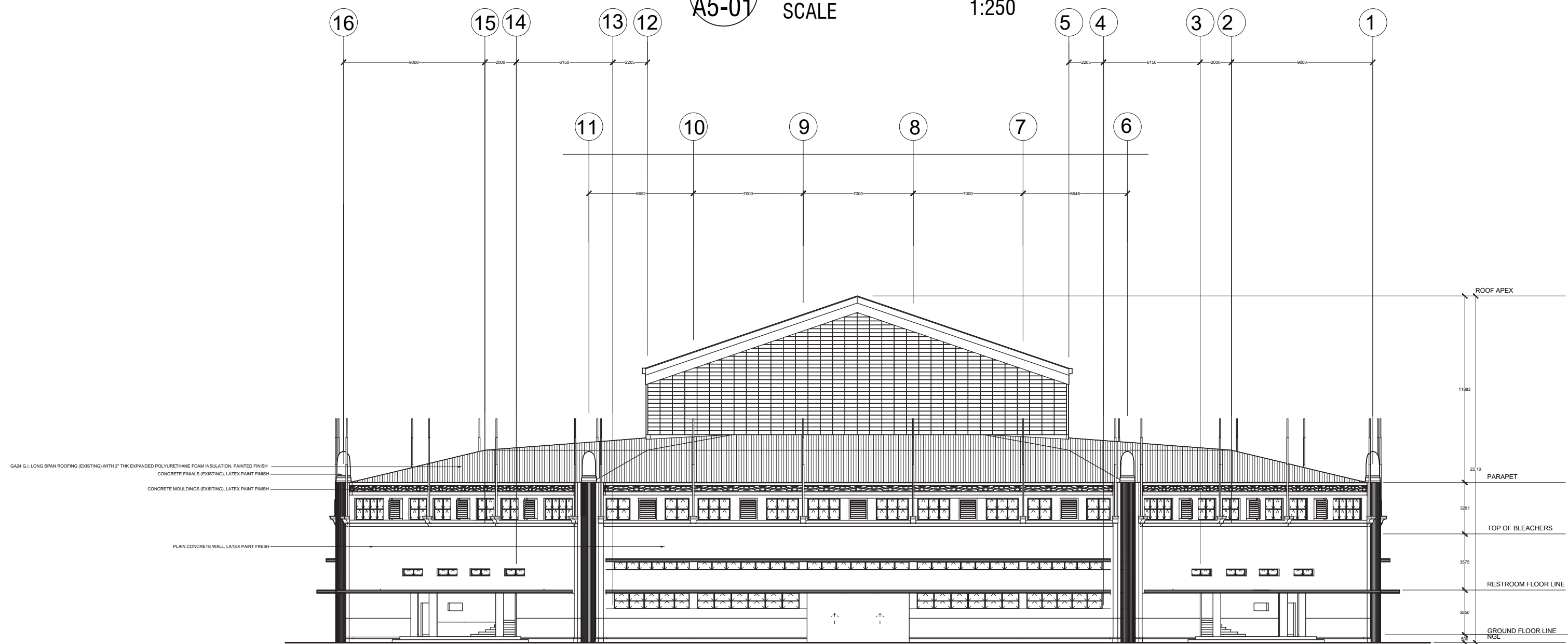
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A4-01



1 FRONT ELEVATION
A5-01 SCALE 1:250



2 REAR ELEVATION
A5-01 SCALE 1:250



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SHEET CONTENTS:

FRONT ELEVATION
REAR ELEVATION

DESIGN BY:

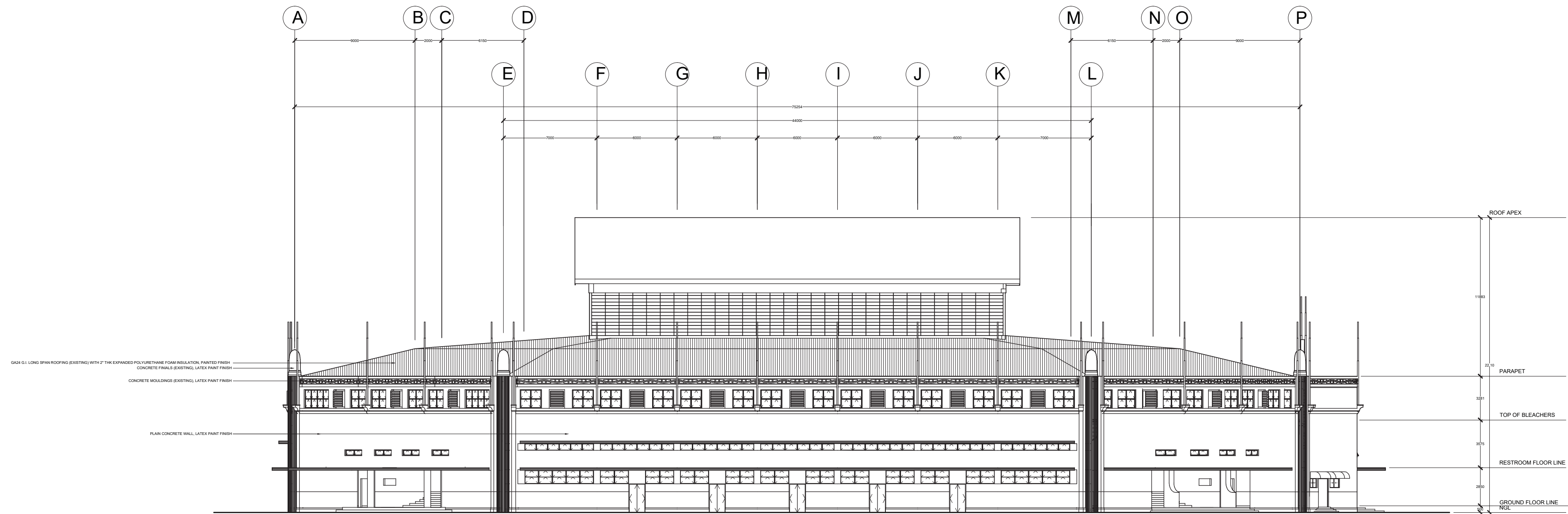
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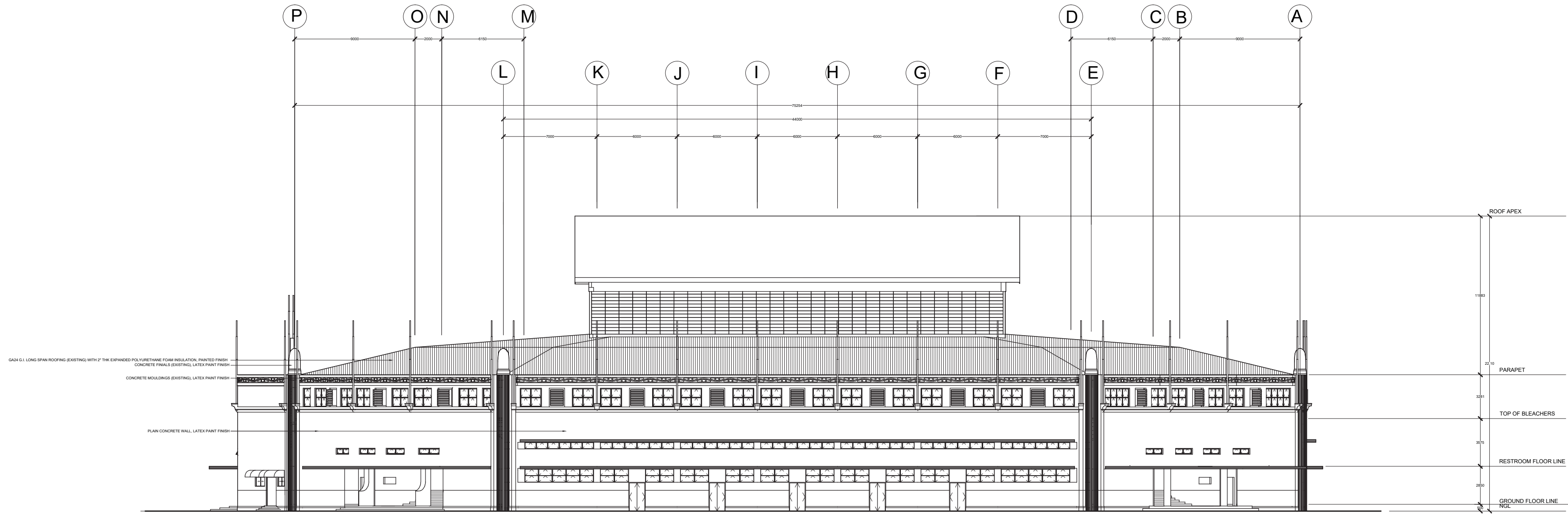
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A5-01



1 LEFT ELEVATION
A5-02 SCALE 1:250



2 RIGHT ELEVATION
A5-02 SCALE 1:250



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CHAIRMAN

SHEET CONTENTS:

LEFT ELEVATION
RIGHT ELEVATION

DESIGN BY:

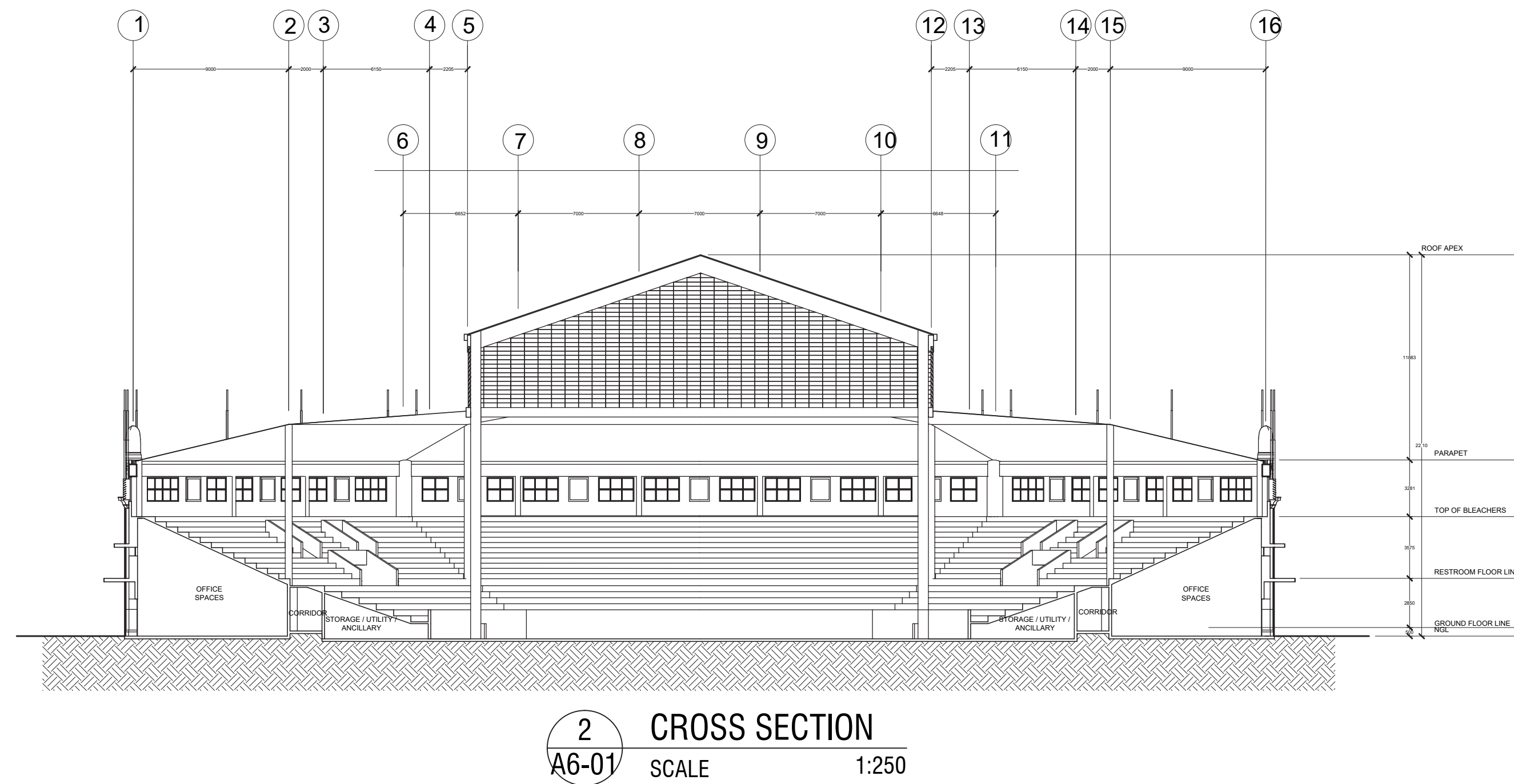
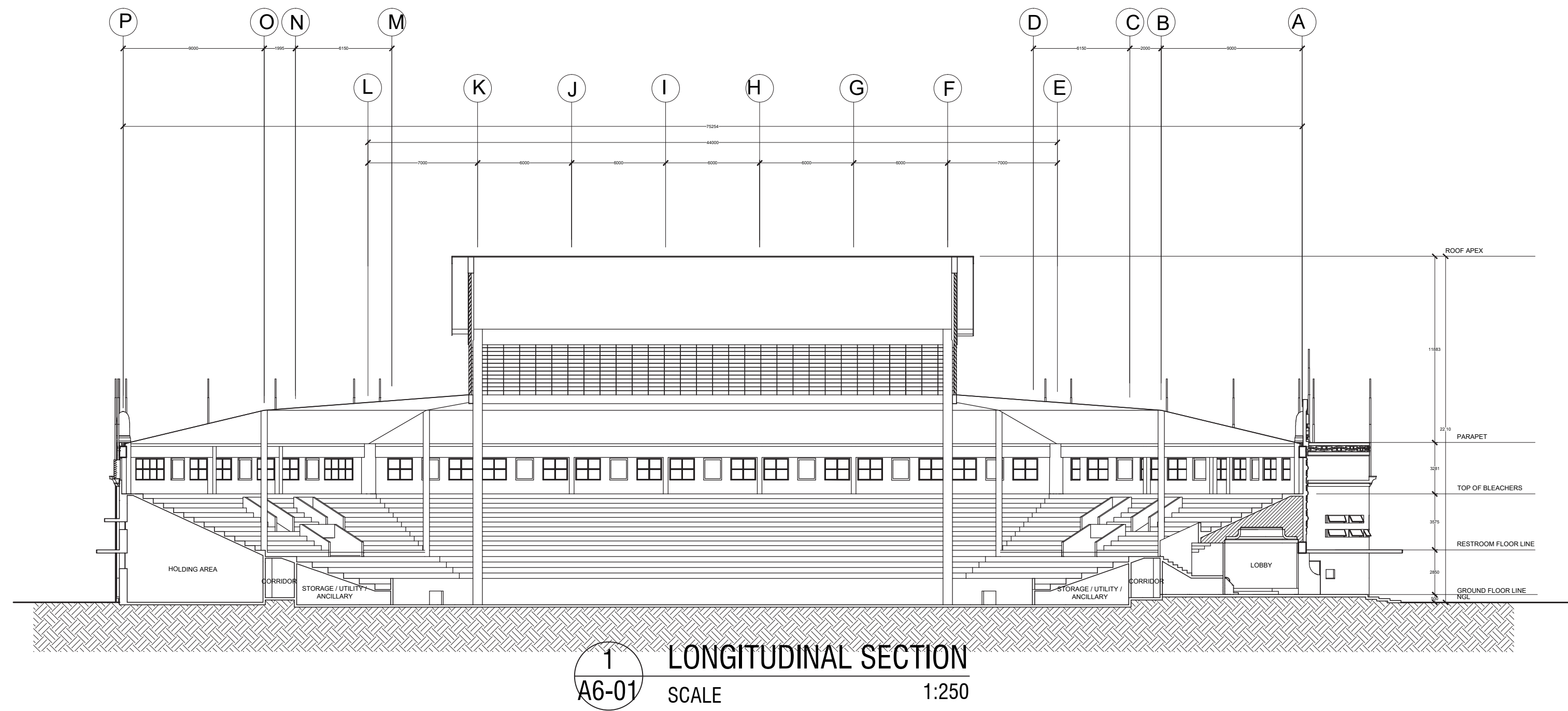
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SHEET NUMBER

A5-02



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SHEET CONTENTS:

LONGITUDINAL SECTION
CROSS SECTION

DESIGN BY:

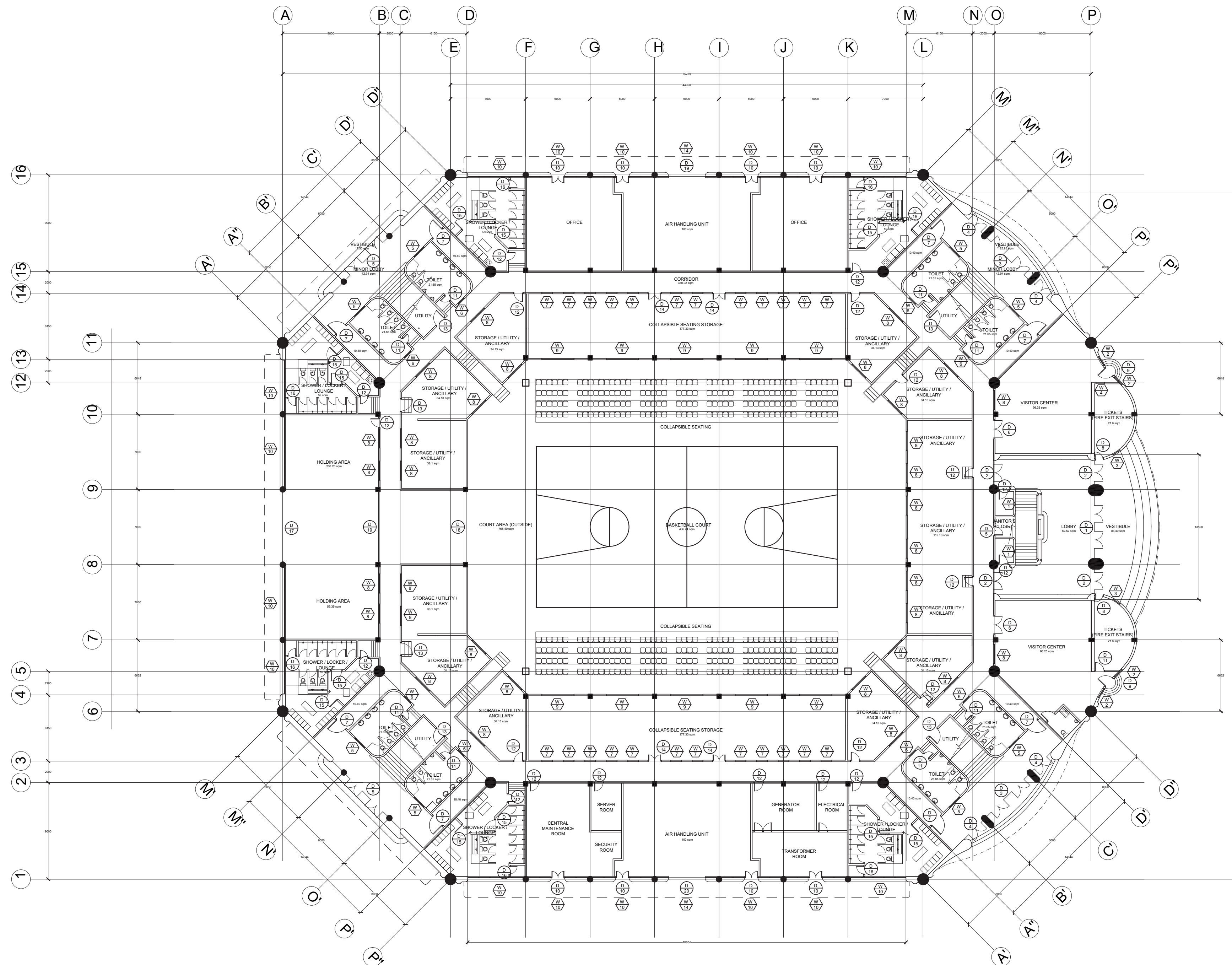
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SHEET NUMBER

A6-01



1 DOOR AND WINDOW LAYOUT (GROUND FLOOR LEVEL)
A7-01 SCALE 1:250



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SHEET CONTENTS:

DOOR AND WINDOW LAYOUT
(GROUND FLOOR LEVEL)

DESIGN BY:

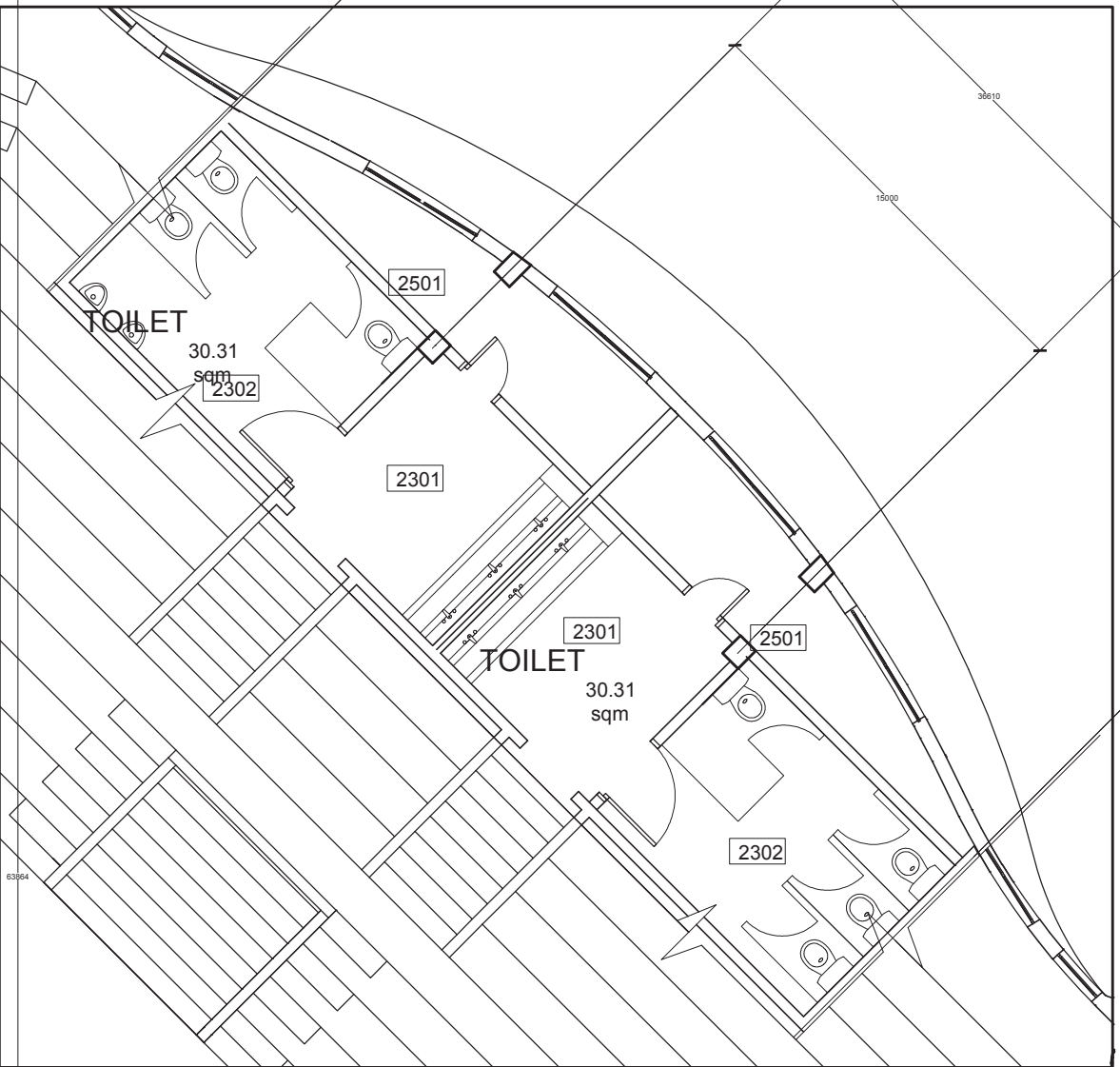
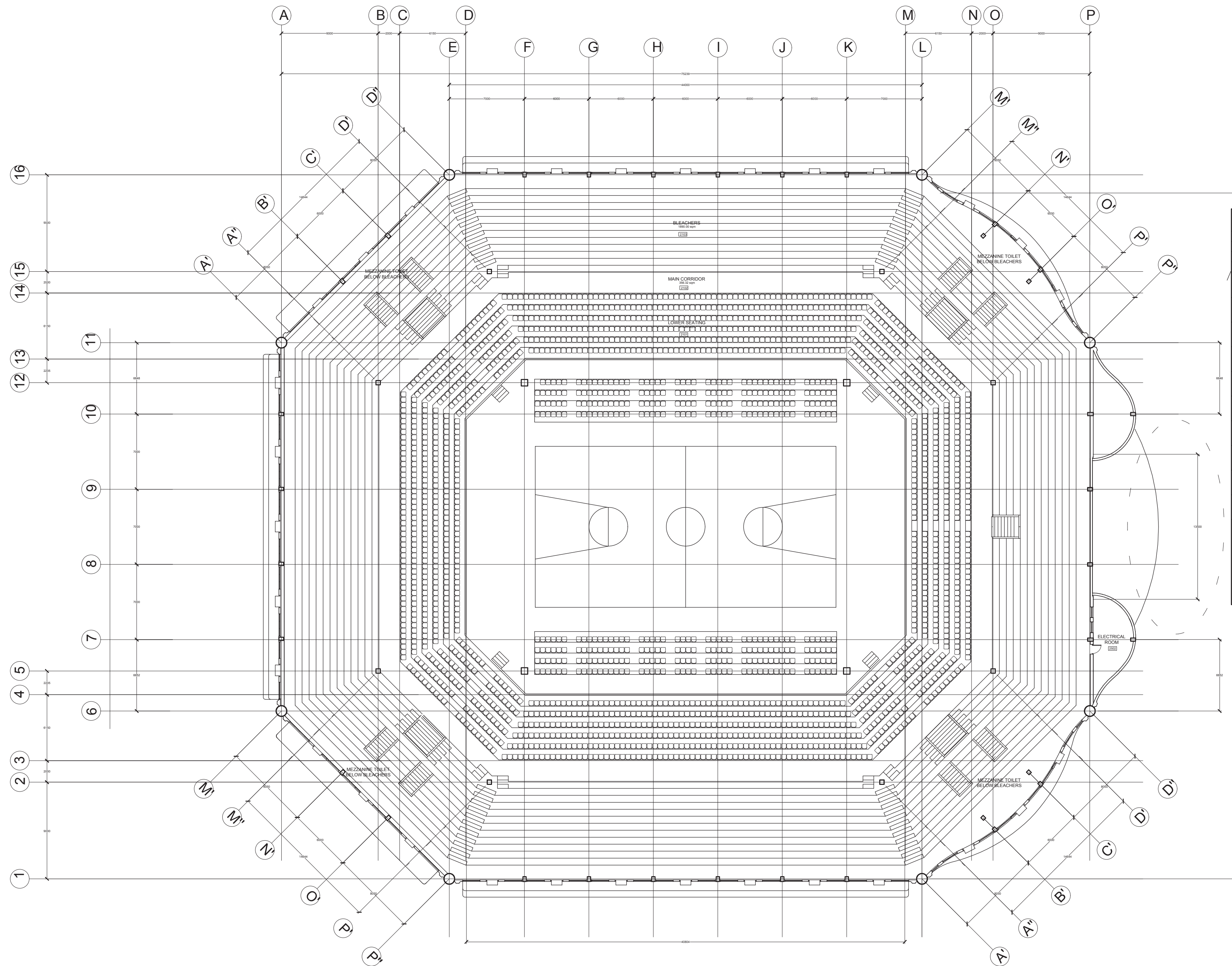
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SHEET NUMBER

A7-01



2 DOOR AND WINDOW LAYOUT (TYPICAL MEZZANINE TOILET)
A7-02 SCALE 1:100

1 DOOR AND WINDOW LAYOUT (STADIUM LEVEL)
A7-02 SCALE 1:250



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CHAIRMAN

SHEET CONTENTS:

DOOR AND WINDOW LAYOUT
(STADIUM LEVEL)
DOOR AND WINDOW LAYOUT
(TYPICAL MEZZANINE TOILET)

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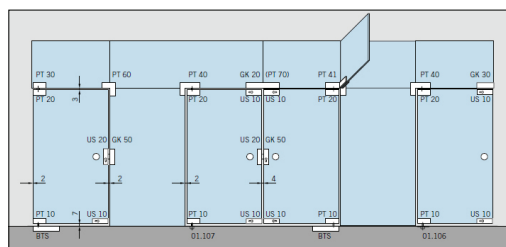
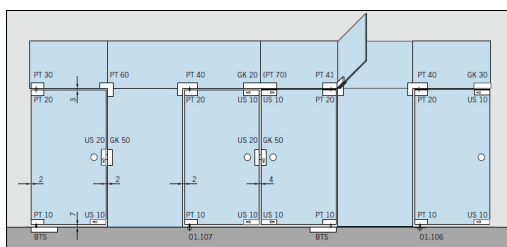
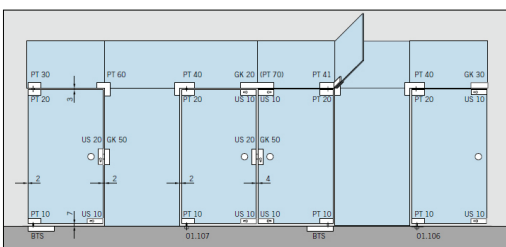
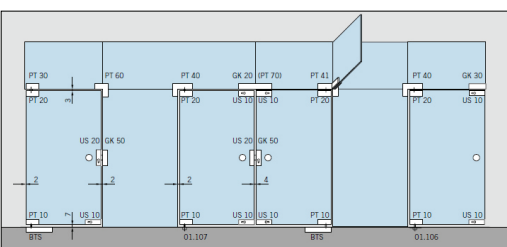
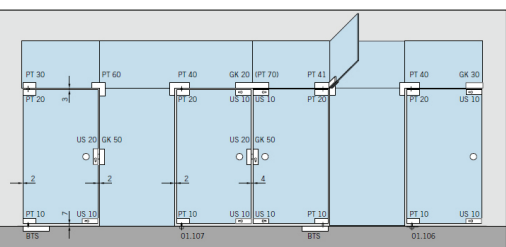
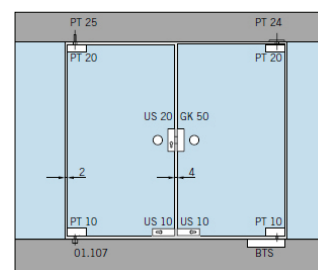
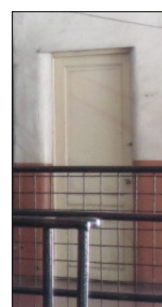
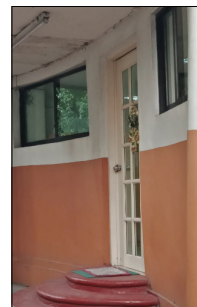
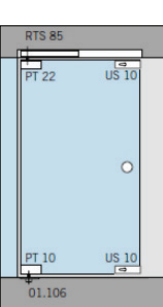
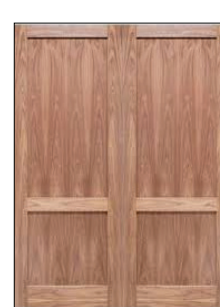
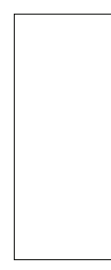
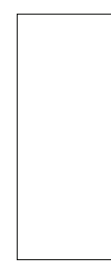
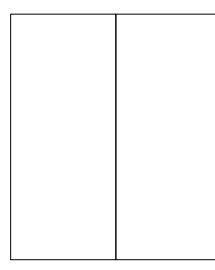
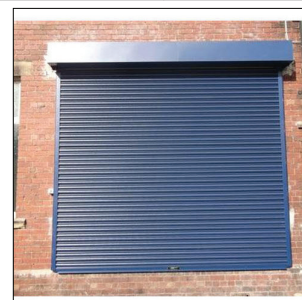
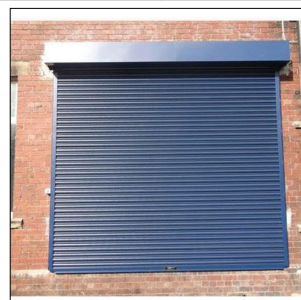
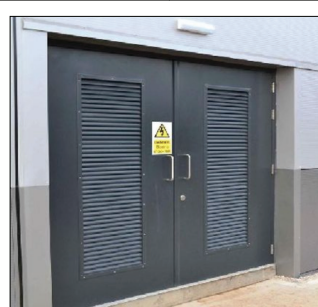
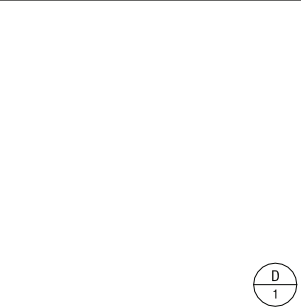
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SHEET NUMBER

A7-02

PROPOSED								PROPOSED								PROPOSED								PROPOSED								PROPOSED																																																																																																																															
DESC MAIN LOBBY CENTRAL ENTRANCE WITH SIDE AND TRANSOM LIGHTS FRAME LESS GLASS DOOR WITH PATCH FITTINGS, CHROME OR BRASS PLATED POLISHED FINISH								DESC MAIN LOBBY SIDE ENTRANCE WITH SIDE AND TRANSOM LIGHTS FRAME LESS GLASS DOOR WITH PATCH FITTINGS, CHROME OR BRASS PLATED POLISHED FINISH								DESC MINOR LOBBY 1 CENTRAL ENTRANCE WITH SIDE AND TRANSOM LIGHTS FRAME LESS GLASS DOOR WITH PATCH FITTINGS, CHROME OR BRASS PLATED POLISHED FINISH								DESC MINOR LOBBY 1 SIDE ENTRANCE WITH SIDE AND TRANSOM LIGHTS FRAME LESS GLASS DOOR WITH PATCH FITTINGS, CHROME OR BRASS PLATED POLISHED FINISH								DESC MINOR LOBBY 2 ENTRANCE WITH SIDE AND TRANSOM LIGHTS FRAME LESS GLASS DOOR WITH PATCH FITTINGS, CHROME OR BRASS PLATED POLISHED FINISH																																																																																																																															
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DESC LOBBY INTERIOR GLASS DOOR WITH SIDE LIGHTS FRAME LESS GLASS DOOR WITH PATCH FITTINGS, CHROME OR BRASS PLATED POLISHED FINISH								DESC WROUGHT IRON DOOR WITH GRILLE, ART DECO DESIGN MISSING DETAIL, BARREL BOLT AND LATCH								DESC REPAIR OF W.I. DOOR AND ART DECO GRILLES; INSTALLATION OF TEMP. GLASS MAIN DOOR LIGHT								DESC TICKET BOOTH PAINTED WOODEN FLUSH DOOR WITH MOLDINGS								DESC REPLACE WITH POWER COATED COLD ROLLED STEEL DOOR AND FRAME WITH KNOB AND DEADBOLT								DESC OFFICE PAINTED WOODEN PANEL DOOR WITH LIGHTS								DESC REPLACE WITH FRAME LESS GLASS DOOR WITH PATCH FITTINGS, CHROME PLATED POLISHED FINISH								DESC SIDE DOORS VARNISHED/ PAINTED WOODEN PANEL DOOR AND JAMB								DESC RESTORE WOOD FINISH AND REPLACE DAMAGED WOOD; WOOD STAIN WITH WEATHER RESIST COATING																																																																																															
L VERIFY				TEMP. GLASS W/ CHROME BRASS FIT. FIN.				L VERIFY				WRO. IRON				L AS IS				WRO. IRON WITH				L VERIFY				PAINTED WOOD				L AS IS				COLD ROLLED STL				L VERIFY				WOOD AND GLASS				L AS IS				TEMP. GLASS W/				L VERIFY				WOOD				L AS IS				WR COATING WOOD																																																																																											
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H VERIFY				FLR/CNG BOLT LOCK; METAL HANDLE				H VERIFY				BARREL BOLT				H AS IS				NIGHT LATCH				H VERIFY				DOOR KNOB				H AS IS				KNOB W/ DEADBOLT				H VERIFY				DOOR KNOB				H AS IS				FLR/CNG BOLT				H VERIFY				ASSORTED				H AS IS				DEAD BOLT																																																																																											
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DESC INTERIOR DOOR-600MM PAINTED WOODEN FLUSH DOOR								DESC REPLACE WITH POWER COATED COLD ROLLED STEEL DOOR AND FRAME WITH KNOB AND DEADBOLT								DESC INTERIOR DOOR-800MM PAINTED WOODEN FLUSH DOOR								DESC REPLACE WITH POWER COATED COLD ROLLED STEEL DOOR AND FRAME WITH KNOB AND DEADBOLT								DESC INTERIOR DOOR-1000MM PAINTED WOODEN FLUSH DOOR								DESC REPLACE WITH POWER COATED COLD ROLLED STEEL DOOR AND FRAME WITH KNOB AND DEADBOLT								DESC INTERIOR DOOR-600MM PAINTED WOODEN FLUSH DOOR WITH MOLDINGS								DESC REPLACE WITH POWER COATED COLD ROLLED STEEL DOOR AND FRAME WITH KNOB AND DEADBOLT								DESC SHOWER, LOCKER, AND WC DOOR HIGH PRESSURE LAMINATE (HPL) COMPACT LAMINATE CUBICLE DOOR																																																																																															
L VERIFY				PAINTED WOOD				L AS IS				COLD ROLLED STL				L VERIFY				PAINTED WOOD				L AS IS				COLD ROLLED STL				L VERIFY				PAINTED WOOD				L AS IS				COLD ROLLED STL				L VERIFY				PAINTED WOOD				L AS IS				COLD ROLLED STL				L VERIFY								HPL DOOR																																																																																							
W 600MM								W AS IS								W 800MM								W AS IS								W 1000MM								W AS IS								W 600MM								W AS IS								W 1000MM																																																																																															
H VERIFY				DOOR KNOB				H AS IS				HEAVY DUTY KNOB				H VERIFY				DOOR KNOB				H AS IS				HEAVY DUTY KNOB				H VERIFY				DOOR KNOB				H AS IS				HEAVY DUTY KNOB				H VERIFY				DOOR KNOB				H AS IS				HEAVY DUTY KNOB				H VERIFY								PLASTIC LATCH																																																																																							
PROPOSED																EXISTING																EXISTING																PROPOSED																PROPOSED																PROPOSED																																																																															
DESC UTILITY CLOSET DOOR HIGH PRESSURE LAMINATE (HPL) COMPACT LAMINATE CUBICLE DOOR								DESC HOLDING AREA EXISTING ACCORDION TYPE G.I. SERVICE GATE WITH BARREL BOLT AND FOOT BOLTS WITH LOCK HASP TO BE REPAINTED AND REFURBISH								DESC HOLDING AREA EXISTING PREPAINED MANUALLY-OPERATED ROLLING SHUTTER DOOR TO BE REPAINTED AND REFURBISHED								DESC HOLDING AREA EXISTING PREPAINED MANUALLY-OPERATED ROLLING SHUTTER DOOR								DESC ELECTRICAL ROOM, SERVICE ENTRANCE, TRANSFORMER VAULT, MECHANICAL ROOM LOUVERED STEEL DOOR WITH PILLOW BLOCK HINGE																																																																																																																															
L VERIFY				HPL DOOR				L VERIFY				STEEL				L VERIFY				STEEL				L VERIFY				STEEL				L VERIFY				METAL				L VERIFY				EPOXY PAINTED STEEL																																																																																																																			
W VERIFY								W VERIFY								W VERIFY								W VERIFY								W VERIFY								W VERIFY								W VERIFY																																																																																																															
H VERIFY				PLASTIC LATCH				H VERIFY				VERIFY				H VERIFY				VERIFY				H VERIFY				VERIFY				H VERIFY				PADLOCK HASP AND CHAIN HOIST				H VERIFY				BARREL BOLT; PADLOCK HASP; FOOTBOLT																																																																																																																			

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A7-01

SCHEDULE OF DOORS

SCALE NTS



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

**REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM**

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

SHEET CONTENTS:

SCHEDULE OF DOORS

DESIGN BY:

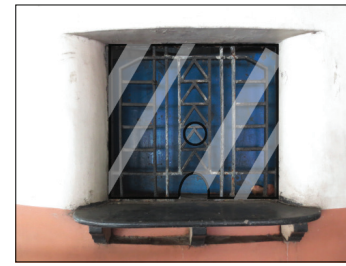
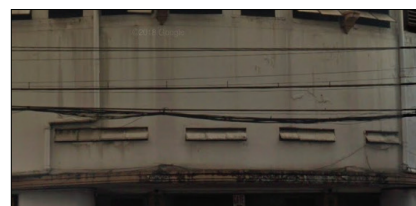
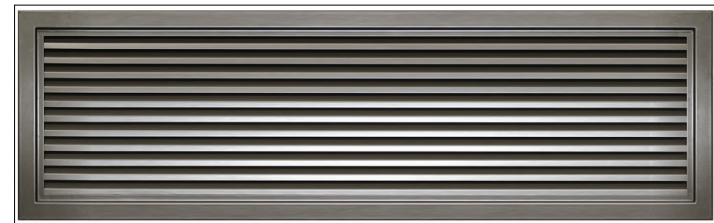
DRAWN BY:

CHECKED BY:

DATE:

SHEET NUMBER

A7-03

EXISTING			PROPOSED			EXISTING			PROPOSED			EXISTING			PROPOSED			EXISTING			PROPOSED								
																													
DESC EXISTING PORTHOLE WINDOW WITH GRILLE RUST AND DISCOLORATION PRESENT			DESC REFURBISHMENT OF EXISTING GRILLES INSTALLATION OF ROUND GLASS WINDOWS			DESC FRONT OFFICE GLASS SLIDING WINDOW WITH POWDER COATED ALUM. FRAME			DESC FRONT OFFICE GLASS SLIDING WINDOW WITH POWDER COATED ALUM. FRAME			DESC TICKET BOOTH EXISTING ART DECO GRILLE RUST AND DISCOLORATION PRESENT			DESC REFURBISHMENT OF EXISTING GRILLES INSTALLATION OF GLASS WINDOWS W/ CUTOUT			DESC TICKETING BOOTH OFFICE WINDOW FIXED GLASS WINDOW WITH POWDER COATED ALUMINUM FRAME			DESC EXISTING CLERESTORY GRILLE RUST AND DISCOLORATION PRESENT			DESC REFURBISHMENT OF EXISTING GRILLES INSTALLATION OF GLASS WINDOWS WITH THIN BEZEL					
L	VERIFY	W. IRON	L	AS IS	W.I. WITH GLASS	L	VERIFY	ALUM; GLASS	L	AS IS	ALUM; GLASS	L	VERIFY	W. IRON	L	AS IS	W.I. WITH GLASS	L	VERIFY	ALUMINUM AND GLASS	L	VERIFY	W. IRON	L	AS IS	W.I. WITH GLASS			
W	VERIFY		W	AS IS		W	VERIFY		W	AS IS		W	VERIFY		W	AS IS		W	VERIFY		W	1300MM		W	1300MM	AND ALUM BEZEL			
H	VERIFY	FIXED	H	AS IS	FIXED	H	VERIFY	WINDOW LATCH	H	AS IS	WINDOW LATCH	H	VERIFY	FIXED	H	AS IS	FIXED	H	VERIFY		H	VERIFY	FIXED	H	AS IS	FIXED			
EXISTING			PROPOSED			EXISTING			PROPOSED			EXISTING			PROPOSED			EXISTING			PROPOSED								
																													
DESC INTERIOR HALLWAY EXISTING CLERESTORY GRILLE RUST AND DISCOLORATION PRESENT			DESC REFURBISHMENT OF EXISTING GRILLES INSTALLATION OF GLASS WINDOWS WITH THIN BEZEL			DESC INTERIOR HALLWAY EXISTING CLERESTORY GRILLE RUST AND DISCOLORATION PRESENT			DESC REFURBISHMENT OF EXISTING GRILLES INSTALLATION OF GLASS WINDOWS WITH THIN BEZEL			DESC INTERIOR HALLWAY EXISTING CLERESTORY GRILLE RUST AND DISCOLORATION PRESENT			DESC REFURBISHMENT OF EXISTING GRILLES INSTALLATION OF GLASS WINDOWS WITH THIN BEZEL			DESC COURTSIDE EXISTING CLERESTORY GRILLE RUST AND MISSING FRAMING			DESC REPLACEMENT WITH EPOXY PAINTED STEEL LOUVERS WITH TUBULAR STEEL FRAME			DESC AWNING TYPE EXTERIOR WINDOW WITH CAULKED STEEL CASEMENT			DESC AWNING WINDOW- POWDER COATED ALUMINUM CASEMENT W/ GASKETS AND ORDINARY GLASS LIGHT		
L	VERIFY	W. IRON	L	AS IS	W.I. WITH GLASS	L	VERIFY	W. IRON	L	AS IS	W.I. WITH GLASS	L	VERIFY	W. IRON	L	AS IS	W.I. WITH GLASS	L	VERIFY	VERIFY	L	AS IS	STEEL	L	VERIFY	STEEL AND GLASS	L	AS IS	ALUMINUM
W	800MM		W	800MM	AND ALUM BEZEL	W	1000MM		W	1000MM	AND ALUM BEZEL	W	1800MM		W	1800MM	AND ALUM BEZEL	W	VERIFY	VERIFY	W	AS IS		W	VERIFY		W	AS IS	
H	VERIFY	FIXED	H	AS IS	FIXED	H	VERIFY	FIXED	H	AS IS	FIXED	H	VERIFY	FIXED	H	AS IS	FIXED	H	VERIFY	VERIFY	H	AS IS		H	VERIFY	CASEMENT LOCK	H	AS IS	CASEMENT LOCK
EXISTING			PROPOSED			EXISTING			PROPOSED			EXISTING			PROPOSED			PROPOSED			EXISTING			PROPOSED					
																													
DESC DOUBLE VENT AWNING TYPE EXTERIOR WINDOW WITH CAULKED STEEL CASEMENT			DESC DOUBLE VENT AWNING- POWDER COATED ALUMINUM CASEMENT W/ GASKETS AND ORDINARY GLASS LIGHT			DESC EXISTING THROUGH-WALL WALL MOUNTED EXHAUST FAN WITH LOUVERS AND STEEL WIRE FAN CAGE			DESC DOUBLE VENT AWNING- POWDER COATED ALUMINUM CASEMENT W/ GASKETS AND ORDINARY GLASS LIGHT			DESC AWNING TYPE EXTERIOR WINDOW WITH CAULKED STEEL CASEMENT			DESC AWNING WINDOW- POWDER COATED ALUMINUM CASEMENT W/ GASKETS AND ORDINARY GLASS LIGHT			DESC EPOXY PAINTED STEEL LOUVERS WITH TUBULAR STEEL FRAME			DESC DOUBLE VENT AWNING TYPE EXTERIOR WINDOW WITH CAULKED STEEL CASEMENT			DESC DOUBLE VENT AWNING- POWDER COATED ALUMINUM CASEMENT W/ GASKETS AND ORDINARY GLASS LIGHT					
L	VERIFY	STEEL AND GLASS	L	AS IS	ALUMINUM	L	VERIFY	STEEL	L	AS IS	ALUMINUM	L	VERIFY	STEEL AND GLASS	L	AS IS	ALUMINUM	L	VERIFY	STEEL	L	VERIFY	STEEL AND GLASS	L	VERIFY	STEEL AND GLASS	L	AS IS	ALUMINUM
W	VERIFY		W	AS IS		W	VERIFY	INDUSTRIAL FAN	W	AS IS		W	VERIFY		W	AS IS		W	VERIFY		W	VERIFY		W	VERIFY		W	AS IS	
H	VERIFY	CASEMENT LOCK	H	AS IS	CASEMENT LOCK	H	VERIFY		H	AS IS	CASEMENT LOCK	H	VERIFY	CASEMENT LOCK	H	AS IS	CASEMENT LOCK	H	VERIFY		H	VERIFY	CASEMENT LOCK	H	VERIFY	CASEMENT LOCK	H	AS IS	CASEMENT LOCK
EXISTING			PROPOSED																										
																													
DESC AWNING TYPE EXTERIOR WINDOW WITH CAULKED STEEL CASEMENT			DESC AWNING WINDOW- POWDER COATED ALUMINUM CASEMENT W/ GASKETS AND ORDINARY GLASS LIGHT																										
L	VERIFY	STEEL AND GLASS	L	AS IS	ALUMINUM																								
W	VERIFY		W	AS IS																									
H	VERIFY	CASEMENT LOCK	H	AS IS	CASEMENT LOCK																								

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A7-02

SCHEDULE OF WINDOWS
SCALE NTS



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

SHEET CONTENTS:

SCHEDULE OF WINDOWS

DESIGN BY:

DRAWN BY:

CHECKED BY:

DATE:

SHEET NUMBER

A7-04

ROOM #	ROOM	FLOOR	WALL	CEILING
1001	VESTIBULE	TERRAZZO (EXISTING), POLISHED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	PLAIN CONCRETE CEILING, LATEX PAINT FINISH
1101	MAIN LOBBY	TERRAZZO (EXISTING), POLISHED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH, NATURAL STONE SLABS, POLISHED FINISH	ART DECO PATTERN CONCRETE CEILING, LATEX PAINT FINISH, STUCCO PATTERN CONCRETE CEILING, LATEX PAINT FINISH, PLAIN CONCRETE CEILING, LATEX PAINT FINISH
1102	VISITOR CENTER	450MM X 450 MM VITRIFIED HOMOGENOUS TILE, NON-SLIP FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	GYPSUM BOARD, TEXTURED PAINT FINISH
1103	TICKET BOOTH	450MM X 450 MM VITRIFIED HOMOGENOUS TILE, NON-SLIP FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	GYPSUM BOARD, TEXTURED PAINT FINIS
1104	MINOR LOBBIES	TERRAZZO (EXISTING), POLISHED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	STUCCO PATTERN CONCRETE CEILING, LATEX PAINT FINISH
1105	CORRIDOR	450MM X 450 MM VITRIFIED HOMOGENOUS TILE, NON-SLIP FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	PLAIN CONCRETE CEILING, LATEX PAINT FINISH
1201	TYPICAL OFFICE SPACES	450MM X 450 MM VITRIFIED HOMOGENOUS TILE, NON-SLIP FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	GYPSUM BOARD, PAINTED FINISH
1301	PUBLIC TOILETS	450MM X 450 MM VITRIFIED HOMOGENOUS TILE, NON-SLIP FINISH	FFL TO TOP OF DOOR HEADER: 450MM X 450MM CERAMIC TILE; TOP OF DOOR HEADER TO CFL: PLAIN CEMENT PLASTER FINISH	GYPSUM BOARD, PAINTED FINISH
1302	LOCKER ROOM LOUNGE	2MM THICK PVC RESILIENT HOMOGENOUS FLOORING, MATT FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	MOISTURE-RESISTANT GYPSUM BOARD, PAINTED FINISH
1303	LOCKER ROOM	2MM THICK PVC RESILIENT HOMOGENOUS FLOORING, MATT FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH, 450MM X 450MM CERAMIC TILE	MOISTURE-RESISTANT GYPSUM BOARD, PAINTED FINISH
1304	SHOWER AREA	450MM X 450 MM VITRIFIED HOMOGENOUS TILE, NON-SLIP FINISH	FFL TO TOP OF DOOR HEADER: 450MM X 450MM CERAMIC TILE; TOP OF DOOR HEADER TO CFL: PLAIN CEMENT PLASTER FINISH	MOISTURE-RESISTANT GYPSUM BOARD, PAINTED FINISH
1401	BASKETBALL COURT	EXISTING (AS-IS)	xxx	STEEL TRUSS FRAMING (EXISTING), PAINTED FINISH
1402	OUTSIDE COURT	2MM THICK PVC RESILIENT HOMOGENOUS FLOORING, MATT FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	STEEL TRUSS FRAMING (EXISTING), PAINTED FINISH
1501	JANITOR'S CLOSET	450MM X 450 MM VITRIFIED HOMOGENOUS TILE, NON-SLIP FINISH	FFL TO TOP OF DOOR HEADER: 450MM X 450MM CERAMIC TILE; TOP OF DOOR HEADER TO CFL: PLAIN CEMENT PLASTER FINISH	PLAIN CONCRETE CEILING, LATEX PAINT FINISH
1502	STORAGE/UTILITY/ANCILLARY	SMOOTH CONCRETE FLOORING, NON-SLIP EPOXY PAINTED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	PLAIN CONCRETE CEILING, LATEX PAINT FINISH
1503	HOLDING AREA	ROUGH CONCRETE FLOORING	PLAIN CONCRETE WALL, LATEX PAINT FINISH	PLAIN CONCRETE CEILING, LATEX PAINT FINISH
1504	SERVER ROOM	450MM X 450 MM VITRIFIED HOMOGENOUS TILE, NON-SLIP FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	GYPSUM BOARD, PAINTED FINISH
1505	SECURITY ROOM	450MM X 450 MM VITRIFIED HOMOGENOUS TILE, NON-SLIP FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	GYPSUM BOARD, PAINTED FINISH
1506	CENTRAL MAINTENANCE ROOM	SMOOTH CONCRETE FLOORING, NON-SLIP EPOXY PAINTED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	PLAIN CONCRETE CEILING, LATEX PAINT FINISH
1507	AIR HANDLING UNIT	SMOOTH CONCRETE FLOORING, NON-SLIP EPOXY PAINTED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	PLAIN CONCRETE CEILING, LATEX PAINT FINISH
1508	ELECTRICAL ROOM	SMOOTH CONCRETE FLOORING, NON-SLIP EPOXY PAINTED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	PLAIN CONCRETE CEILING, LATEX PAINT FINISH
1509	GENERATOR ROOM	SMOOTH CONCRETE FLOORING, NON-SLIP EPOXY PAINTED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	PLAIN CONCRETE CEILING, LATEX PAINT FINISH
1510	TRANSFORMER ROOM	SMOOTH CONCRETE FLOORING, NON-SLIP EPOXY PAINTED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	PLAIN CONCRETE CEILING, LATEX PAINT FINISH
2101	LOWER SEATING AREA	SMOOTH CONCRETE FLOORING, NON-SLIP EPOXY PAINTED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	STEEL TRUSS FRAMING (EXISTING), PAINTED FINISH
2102	STADIUM AISLE	2MM THICK PVC RESILIENT HOMOGENOUS FLOORING, MATT FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	STEEL TRUSS FRAMING (EXISTING), PAINTED FINISH
2103	UPPER SEATING AREA	SMOOTH CONCRETE FLOORING, NON-SLIP EPOXY PAINTED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	STEEL TRUSS FRAMING (EXISTING), PAINTED FINISH
2301	MEZZANINE TOILET VESTIBULE	2MM THICK PVC RESILIENT HOMOGENOUS FLOORING, MATT FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH, 450MM X 450MM CERAMIC TILE	MOISTURE-RESISTANT GYPSUM BOARD, PAINTED FINISH
2302	MEZZANINE TOILET	450MM X 450 MM VITRIFIED HOMOGENOUS TILE, NON-SLIP FINISH	FFL TO TOP OF DOOR HEADER: 450MM X 450MM CERAMIC TILE; TOP OF DOOR HEADER TO CFL: PLAIN CEMENT PLASTER FINISH	MOISTURE-RESISTANT GYPSUM BOARD, PAINTED FINISH
2501	MEZZANINE STORAGE	SMOOTH CONCRETE FLOORING, NON-SLIP EPOXY PAINTED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	GYPSUM BOARD, PAINTED FINISH
2502	ELECTRICAL ROOM	SMOOTH CONCRETE FLOORING, NON-SLIP EPOXY PAINTED FINISH	PLAIN CONCRETE WALL, LATEX PAINT FINISH	GYPSUM BOARD, PAINTED FINISH

SCHEDULE OF FINISHES

 PHILIPPINE SPORTS COMMISSION RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA	PROJECT TITLE:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DESIGN BY:	SHEET NUMBER
	REHABILITATION OF THE RIZAL MEMORIAL COLISEUM	ENGR. PEDRO I. PINEDA JR.	DIR. MERLITA R. IBAY	HON. WILLIAM I. RAMIREZ	SCHEDULE OF FINISHES	DRAWN BY:	
						CHECKED BY:	
						DATE:	
	LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST., MALATE, MANILA	HEAD, ENGINEERING SECTION	OIC, EXECUTIVE DIRECTOR	CHAIRMAN			

A8-01



1. All electrical work shall conform to the latest edition of the Philippine Electrical Code, to the rules and regulation of the ENGINEERING OFFICE.
2. Power service shall be 230 Volts, 3 phase, 4 wire, 60 Hz system.
3. Wiring method shall be as follows:
 - 3.1 Main Service Entrance----- Intermediate Metal Conduit (IMC), SCH. 40
 - 3.2 Raceway for Power ----- PVC SCH.40
 - 3.3 Raceway for Lighting ----- PVC SCH.40
 - 3.4 Raceway for Auxiliary System ---- Electrical Metallic Tubing (EMT)
Note: For Embedded in Concrete, Use Thick Wall Polyvinyl Chloride, PNS14, SCH.40
4. All materials and equipment to be used shall be brand new and of approved type for both location and purpose.
5. Unless otherwise specified, Pull boxes and Junction Boxes shall be provided whenever necessary, although they were not indicated in the plans.
6. Grounding wire shall be provided on all equipment feeder. Metal frames shall be properly and adequately grounded.
7. Mounting height shall be as follows:
 - 7.1 Lighting Switches 1.4m above floor finish (AFF)
 - 7.2 Receptacles 0.3m AFF
 - 7.3 Panel Boards 1.8m AFF
 - 7.4 Telephone Outlets 0.3m AFF
 - 7.5 Counter Outlets 1.0m AFF (verify).
8. All weather-exposed installation shall be weather proof type materials.
9. All Circuit Breakers that control lighting shall be marked SWD.
10. Provide sufficient metallic conduit from junction box to lighting and auxiliary systems.
11. Conduct Electrical insulation test prior to termination of devices and equipment.
12. All electrical work shall be done under the direct supervision of an Electrical Engineer.

PANEL LPP
LENGTH OF WIRE: 30M
SIZE OF WIRE: 2-SET OF 4-250mm² THHN + 1-50mm² THHN (G)
C = 26980

STEP 1. $I_L = (1000KVA \times 1000) / (230 \times 1.732) = 2510.29$

STEP 2. MULTIPLIER = $100/3.5 = 28.57$

STEP 3. $I_{SC} = 2510.29 \times 28.57 = 71,722.57 \text{ A}$

STEP 4. $f = (1.732 \times 49.21 \times 71722.57) / (2185 \times 5 \times 230) = 0.2396$

STEP 5. $M = 1 / (1 + 0.2396) = 0.8067$

STEP 6. $I_{SC \text{ Sym RMS}} = 71722.57 \times 0.8067 = 57,858.60 \text{ A}$

CIRCUIT BREAKER SHOULD BE RATED NOT LESS THAN 65,000 AIC SYMMETRICAL

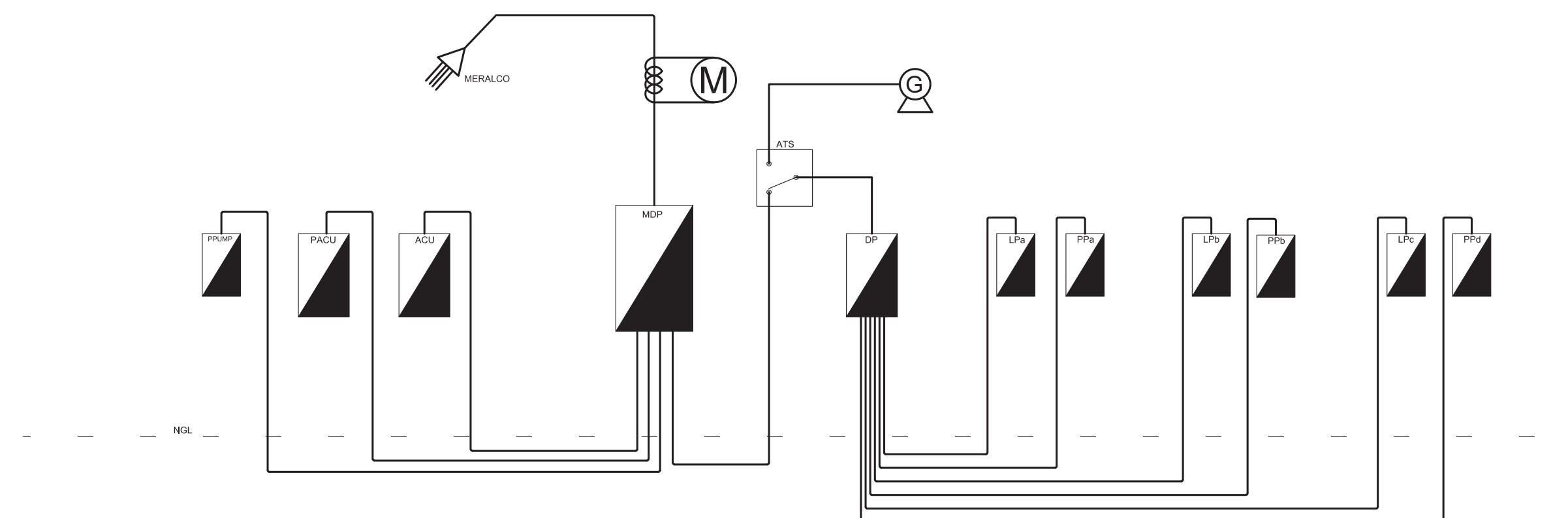
PANEL LPP VOLTAGE DROP COMPUTATIONS:
(FROM PANEL TO TAPPING POINT/SERVICE ENTRANCE)
TOTAL VA : 1066048.5 PHASE : THREE-PHASE (3ø)
VOLTS : 230V (LINE TO LINE)
SIZE OF WIRE WIRE: 5SET, 4-250mm² THHN/THWN + 1-50mm² THWN (G) WIRE
DISTANCE : APPROXIMATELY 15METERS X (3.28FT/M) = 49.21 FT
VD = (1.732 X I X L X R) /1000
WHERE:
VD = VOLTAGE DROP
L = LENGTH OF CONDUCTOR IN FT.
A = CROSS SECTIONAL AREA IN Cmil
I = LOAD CURRENT IN AMPERES

VD = (1.732 X 1480A X 49.21FT X 0.00515Ω/kFT) / 1000FT/kFT
VD = 0.65 VOLTS

%VD = (2.46 VOLTS /230) X 100%
= 0.28%

VOLTAGE AT THE END: 229.35 V

REMARKS : PASSED



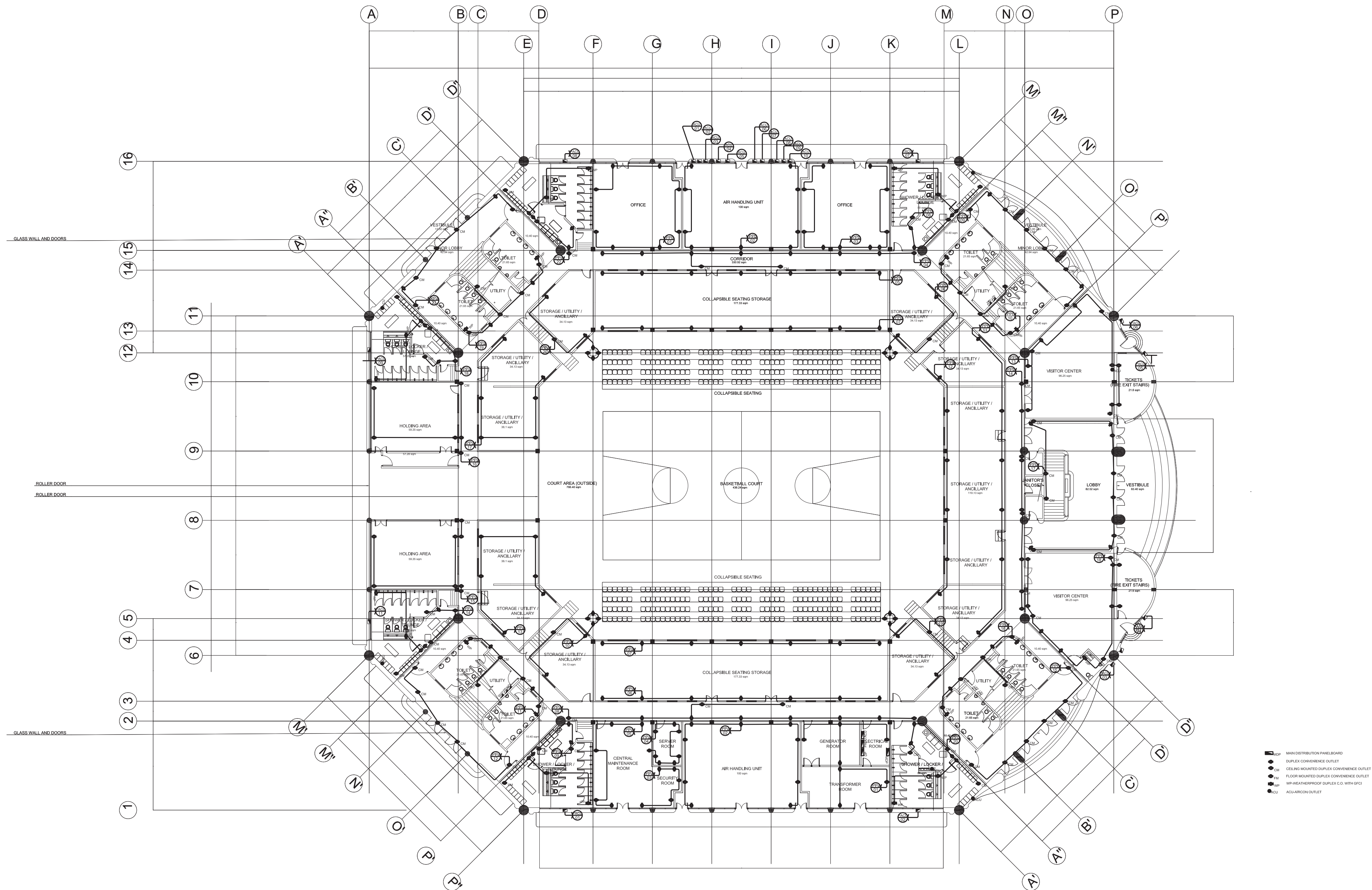
SINGLE- LINE DIAGRAM

 PHILIPPINE SPORTS COMMISSION RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA	PROJECT TITLE:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DESIGN BY:	SHEET NUMBER
	REHABILITATION OF THE RIZAL MEMORIAL COLISEUM	ENGR. PEDRO I. PINEDA JR.	DIR. MERLITA R. IBAY	HON. WILLIAM I. RAMIREZ	GENERAL NOTES	DRAWN BY:	
	LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST., MALATE, MANILA	HEAD, ENGINEERING SECTION	OIC, EXECUTIVE DIRECTOR	CHAIRMAN		CHECKED BY:	
						DATE:	
							E1-01

PANEL LP _a										100AF/75AT, 3P, 230V									
CKT NO.	CIRCUIT NO.	POLE	AMPS	FRAME	LOAD DESCRIPTION		VA	AMPS	CONN. LOAD (AMP)				WIRE SIZE LINE		CONDUIT SIZE				
									AB	BC	CA	3-P							
1	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96	1.96				3-3.5 mm SQ THHN	20mm ² EMT					
2	2	20	50		32-LIGHTING OUTLET @ 30VA		960	4.17	4.17				3-3.5 mm SQ THHN	20mm ² PVC					
3	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96		1.96			3-5.5 mm SQ THHN	20mm ² PVC					
4	2	20	50		23-LIGHTING OUTLET @ 30VA		690	3.0		3.0			3-3.5 mm SQ THHN	20mm ² PVC					
5	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96			1.96		3-5.5 mm SQ THHN	20mm ² PVC					
6	2	20	50		25-LIGHTING OUTLET @ 30VA + ROPE LIGHT		950	4.13			4.13		3-3.5 mm SQ THHN	20mm ² PVC					
7	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96	1.96				3-3.5 mm SQ THHN	20mm ² PVC					
8	2	20	50		23-LIGHTING OUTLET @ 30VA		690	3.0	3.0				3-8.0 mm SQ THHN	20mm ² PVC					
9	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96		1.96			3-8.0 mm SQ THHN	20mm ² PVC					
10	2	20	50		32-LIGHTING OUTLET @ 30VA		960	4.17		4.17			3-3.5 mm SQ THHN	20mm ² PVC					
11	2	20	50		30-LIGHTING OUTLET @ 30VA		840	3.65			3.65		3-3.5 mm SQ THHN	20mm ² PVC					
12	2	20	50		21-LIGHTING OUTLET @ 30VA		630	2.74			2.74		3-3.5 mm SQ THHN	20mm ² PVC					
13	2	20	50		23-LIGHTING OUTLET @ 30VA		690	3.0	3.0				3-3.5 mm SQ THHN	20mm ² PVC					
14	2	20	50		17-LIGHTING OUTLET @ 30VA		510	2.22	2.22				3-3.5 mm SQ THHN	20mm ² PVC					
15	2	20	50		25-LIGHTING OUTLET @ 30VA + ROPE LIGHT		950	4.13		4.13			3-5.5 mm SQ THHN	20mm ² PVC					
16	2	20	50		21-LIGHTING OUTLET @ 30VA		630	2.74			2.74		3-5.5 mm SQ THHN	20mm ² PVC					
17	2	20	50		21-LIGHTING OUTLET @ 30VA		630	2.74				3.0	3-5.5 mm SQ THHN	20mm ² PVC					
18	2	20	50		25-LIGHTING OUTLET @ 30VA		750	3.26			3.26		3-5.5 mm SQ THHN	20mm ² PVC					
19	2	20	50		32-LIGHTING OUTLET @ 30VA		960	4.17	4.17				3-5.5 mm SQ THHN	20mm ² PVC					
20	2	20	50		32-LIGHTING OUTLET @ 30VA		960	4.17	4.17										
21	2	20	50		SPARE		1000	4.35			4.35								
22	2	20	50		SPARE		1000	4.35			4.35								
23	2	20	50		SPARE		1000	4.35				4.35							
24	2	20	50		SPARE		1000	4.35				4.35							
COMPUTATION:							18110		24.65	26.66	27.44		MAIN FEEDER:						
							I = 1.732 X 27.44 = 47.53 A							MAIN: 100AF/75AT, 25KAIC, 3POLES, 230V					
							I _{CB} = 47.53 X 1.25 = 59.41 A							24x20AT, 230V, 2P, BOLT-ON TYPE					
							THEREFORE: USE 75AT, 3P 25KAIC CIRCUIT BREAKER							WITH GROUND TERMINAL					
							USE: 3-22mm ² THHN/THWN & 1-8.0mm ² (G) THHN/THWN							IN 50mm ² PVC PIPE/EXISTING CABLE TRAY					
							NEMA-1 ENCLOSURE												

PANEL LP _b										100AF/75AT, 3P, 230V									
CKT NO.	CIRCUIT NO.	POLE	AMPS	FRAME	LOAD DESCRIPTION		VA	AMPS	CONN. LOAD (AMP)				WIRE SIZE LINE		CONDUIT SIZE				
									AB	BC	CA	3-P							
1	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96	1.96				3-3.5 mm SQ THHN	20mm ² EMT					
2	2	20	50		32-LIGHTING OUTLET @ 30VA		960	4.17	4.17				3-3.5 mm SQ THHN	20mm ² PVC					
3	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96		1.96			3-5.5 mm SQ THHN	20mm ² PVC					
4	2	20	50		23-LIGHTING OUTLET @ 30VA		690	3.0		3.0			3-3.5 mm SQ THHN	20mm ² PVC					
5	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96			1.96		3-3.5 mm SQ THHN	20mm ² PVC					
6	2	20	50		25-LIGHTING OUTLET @ 30VA + ROPE LIGHT		950	4.13			4.13		3-3.5 mm SQ THHN	20mm ² PVC					
7	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96	1.96				3-3.5 mm SQ THHN	20mm ² PVC					
8	2	20	50		23-LIGHTING OUTLET @ 30VA		690	3.0	3.0				3-8.0 mm SQ THHN	20mm ² PVC					
9	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96		1.96			3-8.0 mm SQ THHN	20mm ² PVC					
10	2	20	50		32-LIGHTING OUTLET @ 30VA		960	4.17		4.17			3-3.5 mm SQ THHN	20mm ² PVC					
11	2	20	50		48-LIGHTING OUTLET @ 30VA		1440	6.26			6.26		3-3.5 mm SQ THHN	20mm ² PVC					
12	2	20	50		21-LIGHTING OUTLET @ 30VA		630	2.74			2.74		3-3.5 mm SQ THHN	20mm ² PVC					
13	2	20	50		23-LIGHTING OUTLET @ 30VA		690	3.0	3.0				3-3.5 mm SQ THHN	20mm ² PVC					
14	2	20	50		15-LIGHTING OUTLET @ 30VA		450	1.96		1.96			3-3.5 mm SQ THHN	20mm ² PVC					
15	2	20	50		25-LIGHTING OUTLET @ 30VA + ROPE LIGHT		950	4.13			4.13		3-5.5 mm SQ THHN	20mm ² PVC					
16	2	20	50		21-LIGHTING OUTLET @ 30VA		630	2.74			2.74		3-5.5 mm SQ THHN	20mm ² PVC					
17	2	20	50		23-LIGHTING OUTLET @ 30VA		690	3.0			3.0		3-5.5 mm SQ THHN	20mm ² PVC					
18	2	20	50		25-LIGHTING OUTLET @ 30VA		750	3.26			3.26		3-5.5 mm SQ THHN	20mm ² PVC					
19	2	20	50		32-LIGHTING OUTLET @ 30VA		960	4.17	4.17				3-5.5 mm SQ THHN	20mm ² PVC					
20	2	20	50		38-LIGHTING OUTLET @ 30VA		1170	5.09	5.09										
21	2	20	50		LIGHTING OUTLET @ UPPER CR		1000	4.35			4.35								
22	2	20	50		SPARE		1000	4.35			4.35								
23	2	20	50		SPARE		1000	4.35				4.35							
24	2	20	50		SPARE		1000	4.35				4.35							
COMPUTATION:							18110		25.31	28.10	30.05		MAIN FEEDER:						
							I = 1.732 X 30.05 = 52.05 A							MAIN: 100AF/75AT, 25KAIC, 3POLES, 230V					
							I _{CB} = 52.05 X 1.25 = 65.06 A							24x20AT, 230V, 2P, BOLT-ON TYPE					
							THEREFORE: USE 75AT, 3P 25KAIC CIRCUIT BREAKER							WITH GROUND TERMINAL					
							USE: 3-22mm ² THHN/THWN & 1-8.0mm ² (G) THHN/THWN							IN 50mm ² PVC PIPE/EXISTING CABLE TRAY					
							NEMA-1 ENCLOSURE												

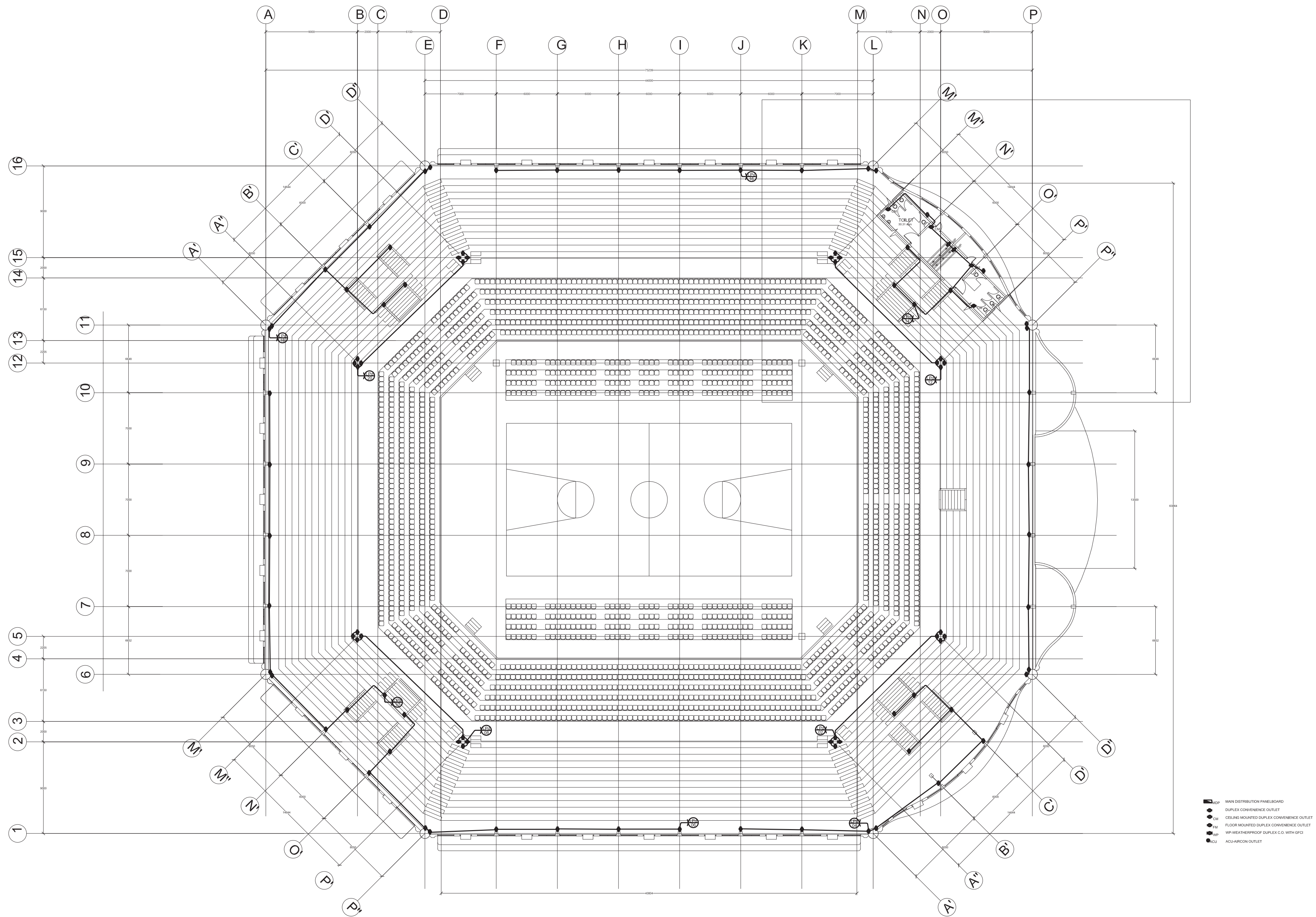
PANEL LP _c										100AF/75AT, 3P, 230V									
CKT NO.	CIRCUIT BREAKER			LOAD DESCRIPTION	VA	AMPS	CONN. LOAD (AMP)				WIRE SIZE		CONDUIT SIZE						
	POLE	AMPS	FRAME				AB	BC	CA	3-P	LINE	SIZE							
1	2	30	50	8-LED FLOOD LIGHT @ 150VA	1200	5.22	5.22				3-5.5 mm SQ. THHN	25mm ² PVC							
2	2	30	50	8-LED FLOOD LIGHT @ 150VA	1350	5.87	5.87				3-5.5 mm SQ. THHN	25mm ² PVC							
3	2	30	50	8-LED FLOOD LIGHT @ 150VA	1200	5.22		5.22			3-5.5 mm SQ. THHN	20mm ² PVC							
4	2	30	50	8-LED FLOOD LIGHT @ 150VA	1350	5.87		5.87			3-3.5 mm SQ. THHN	20mm ² PVC							
5	2	30	50	8-LED FLOOD LIGHT @ 150VA	1200	5.22			5.22		3-5.5 mm SQ. THHN	20mm ² PVC							
6	2	30	50	8-LED FLOOD LIGHT @ 150VA	1200	5.22		5.22			3-3.5 mm SQ. THHN	20mm ² PVC							
7	2	30	50	6-LED HIGH BAY LUMINAIRE @ 200VA	1200	5.22	5.22				3-3.5 mm SQ. THHN	20mm ² PVC							
8	2	30	50	20-LED DOWNLIGHT @ 40VA	800	3.48	3.48				3-8.0 mm SQ. THHN	20mm ² PVC							
9	2	30	50	6-LED HIGH BAY LUMINAIRE @ 200VA	1200	5.22		5.22			3-8.0 mm SQ. THHN	20mm ² PVC							
10	2	30	50	20-LED DOWNLIGHT @ 40VA	800	3.48		3.48			3-3.5 mm SQ. THHN	20mm ² PVC							
11	2	20	50	SPARE	1000	4.35				4.35									
12	2	20	50	SPARE	1000	3.48					4.35								
13	2	20	50	SPARE	1000	4.35	4.35												
14	2	20	50	SPARE	1000	4.35	4.35												
15	2	20	50	SPARE	1000	4.35		4.35											
16	2	20	50	SPARE	1000	4.35		4.35											
17	2	20	50	SPARE	1000	4.35				4.35									
18	2	20	50	SPARE	1000	4.35				4.35									
COMPUTATION:					18300	28.49	28.49	27.84											
I _T = 1.732 X 28.49 = 49.34 A					MAIN FEEDER:					MAIN: 100AF/75AT, 25KAC, 3POLES, 230V 24x20AT, 230V, 2P, BOLT-ON TYPE WITH GROUND TERMINAL									
I _{CB} = 49.34 X 1.25 = 61.68 A					USE: 3-22mm ² THHN/THWN & 1-8.0mm ² (G) THHN/THWN IN 50mm ² PVC PIPE/EXISTING CABLE TRAY					NEMA-1 ENCLOSURE									
DERIVE: USE 75AT, 3P 25KAC CIRCUIT BREAKER																			



- MW/DISTRIBUTION PANEL/BOARD
- DUPLEX CONVENIENCE OUTLET
- GROUND MOUNTED DUPLEX CONVENIENCE OUTLET
- FLOOR MOUNTED DUPLEX CONVENIENCE OUTLET
- WP-WEATHERPROOF DUPLEX C.O. WITH GFCI
- AQUARIUM OUTLET

1 GROUND FLOOR POWER LAYOUT
E1-03 SCALE 1:250

PROJECT TITLE:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DESIGN BY:	SHEET NUMBER
REHABILITATION OF THE RIZAL MEMORIAL COLISEUM	ENGR. PEDRO I. PINEDA JR.	DIR. MERLITA R. IBAY	HON. WILLIAM I. RAMIREZ	GROUND FLOOR POWER LAYOUT	DRAWN BY:	E1-03
LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA	HEAD, ENGINEERING SECTION	OIC, EXECUTIVE DIRECTOR	CHAIRMAN		CHECKED BY:	
					DATE:	



1 STADIUM LEVEL POWER LAYOUT
E1-04 SCALE 1:250



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

SHEET CONTENTS:

STADIUM LEVEL POWER LAYOUT

DESIGN BY:

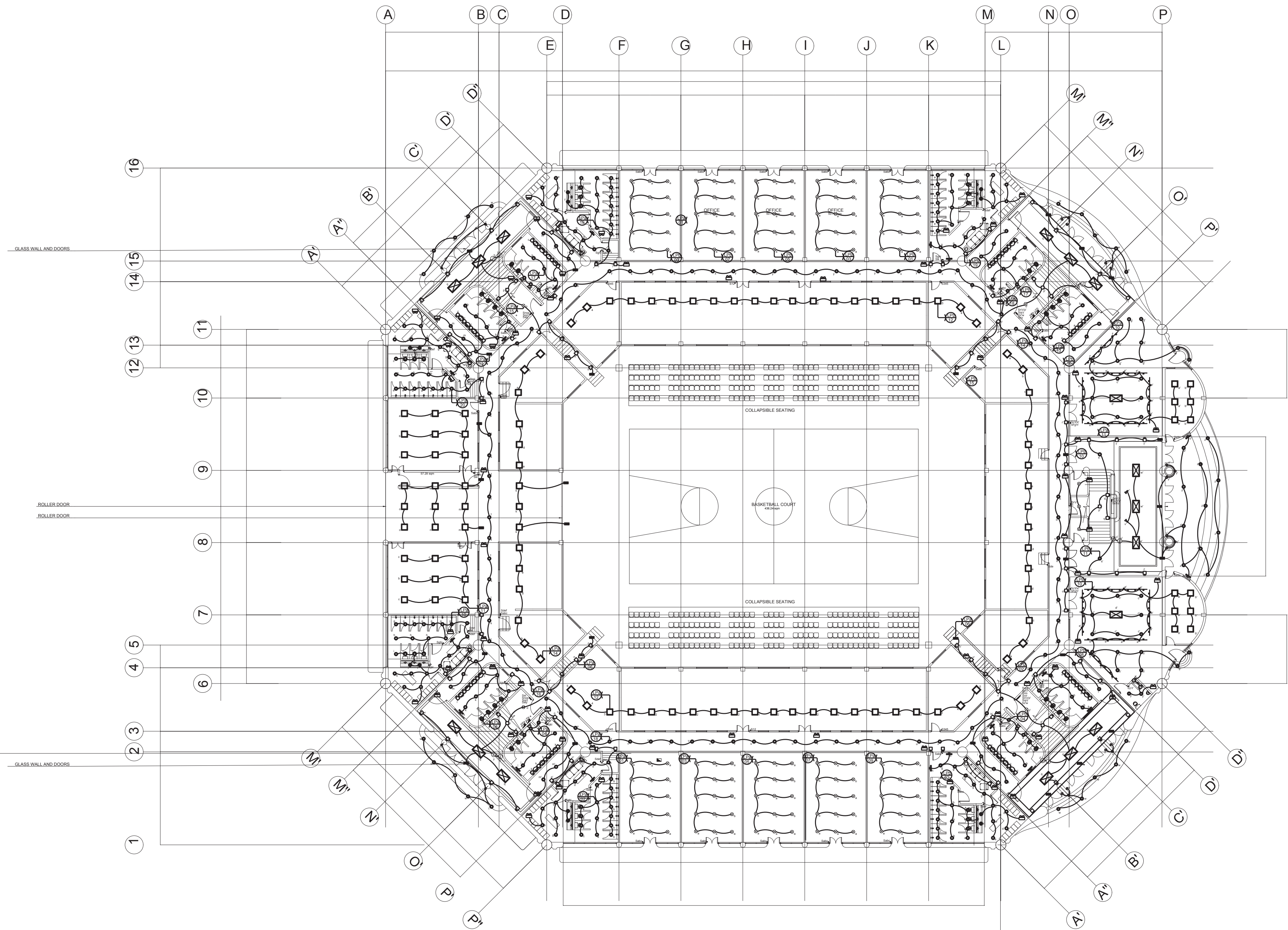
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CHECKED BY:

DATE:

SHEET NUMBER

E1-04



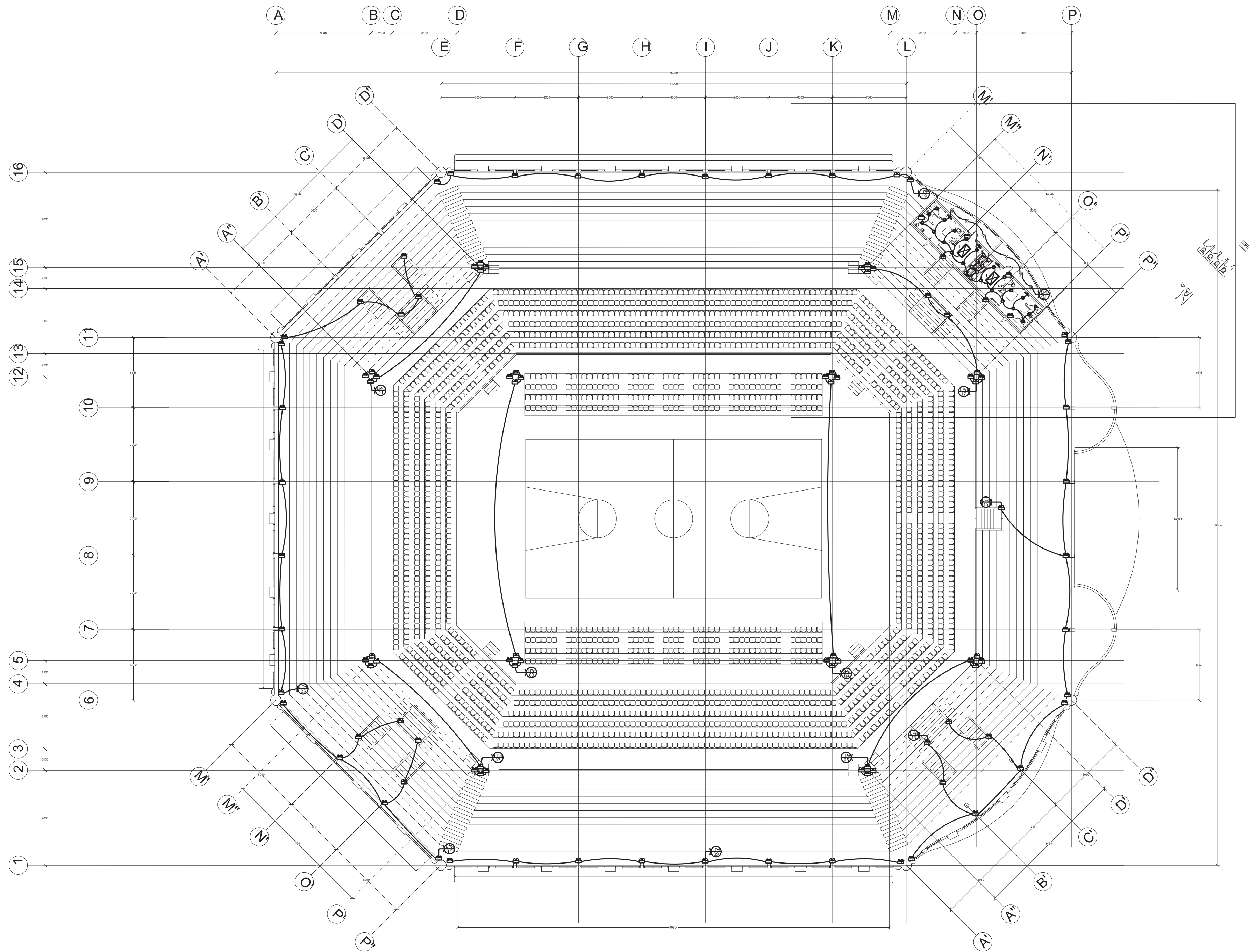
- 2-TS LED SURFACE MOUNTED TROFFER WITH DIFFUSER (4000K/CAV/LIGHT/20W)
- 8-E27 LED ART DECO TYPE SURFACE MOUNTED CHANDELER (3000K/WW/30W)
- 1-TS CIRCULAR LED ART DECO TYPE SURFACE MOUNTED DOWNLIGHT WITH DIFFUSER (3000K/WW/20W)
- 1-TS LED LIGHTING FOR BACKLIT MIRRORS (SEE TOILET DETAIL) (3000K/WW/7W EACH)
- 1-LED RECPIC LIGHT (9W)
- 2-PIN TRACK BAY W/ MR16GU10 LED MOVEABLE TRACK LIGHTS (3000K/WW/5W EACH)
- 1-MR16GU10 LED SURFACE MOUNTED SPOTLIGHT (3000K/WW/5W)
- 2-E27 LED ART DECO WALL SCONCE (3000K/WW/20W)
- 1-E27 LED ART DECO WALL SCONCE UPLIGHT (3000K/WW/15W)
- 1-TS LED ART DECO WALL SCONCE DOWNLIGHT (3000K/WW/10W)
- 1-MR16 LED CANISTER TYPE WALL SCONCE UPLIGHT (3000K/WW/7W)
- 1-E27 LED SURFACE MOUNTED PNLIGHT WITH GLASS LAR DIFFUSER (4000K/CAV/LIGHT/5W)
- 1-E27 LED PENDANT DOWNLIGHT (3000K/WW/5W)
- 1-E27 LED RECESSED MOUNTED PNLIGHT WITH DIFFUSER (4000K/CAV/LIGHT/5W)
- 1-E27 LED SURFACE MOUNTED PNLIGHT WITH DIFFUSER (4000K/CAV/LIGHT/5W)
- 1-HIGH BAY LED PENDANT LIGHT WITH DIFFUSER (VERIFY LUMENS)
- 1-LED EXIT SIGNAGE WITH 90 MIN BATTERY LIFE
- 1-LED AUTOMATIC EMERGENCY LIGHTING

1 GROUND FLOOR LIGHTING LAYOUT
E1-05 SCALE 1:250



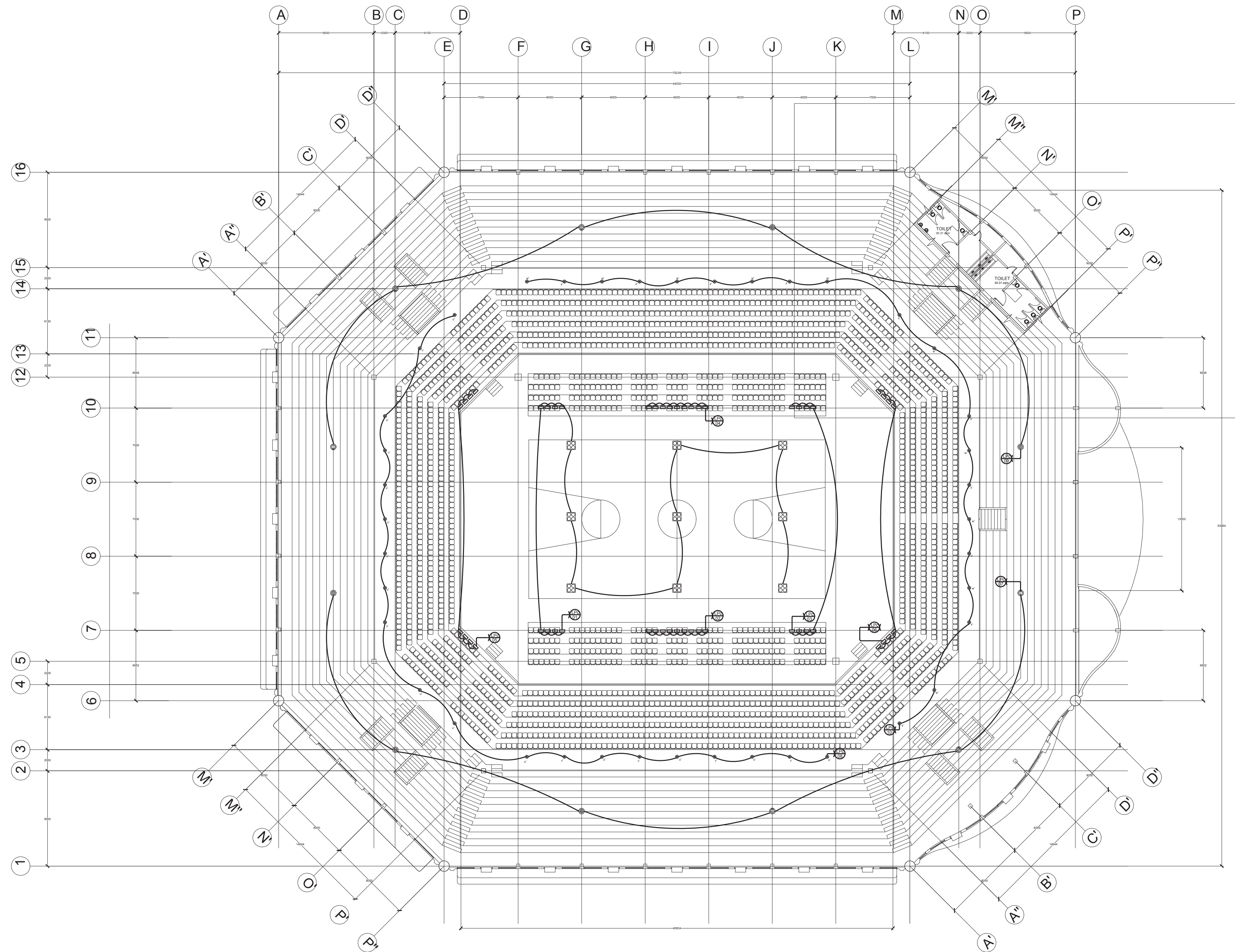
PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DESIGN BY:	SHEET NUMBER
REHABILITATION OF THE RIZAL MEMORIAL COLISEUM	ENGR. PEDRO I. PINEDA JR.	DIR. MERLITA R. IBAY	HON. WILLIAM I. RAMIREZ	GROUND FLOOR LIGHTING LAYOUT	DRAWN BY:	E1-05
LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST., MALATE, MANILA	HEAD, ENGINEERING SECTION	OIC, EXECUTIVE DIRECTOR	CHAIRMAN	CHECKED BY:		
				DATE:		



- 3-T8 LED SURFACE MOUNTED TROFFER WITH DIFFUSER (4000K/4'x8'x20")
- 1-E27 LED ART DECO TYPE SURFACE MOUNTED CHANDELIER (3000K/W40W)
- 1-T5 ORCLINE LED ART DECO TYPE SURFACE MOUNTED DOWNLIGHT WITH DIFFUSER (3000K/W20W)
- 1-T5 LED LIGHTING FOR BACKLIT MIRRORS (SEE TOILET DETAIL) (3000K/W10"X4")
- 1-LED ROPE LIGHT (4'x9")
- 2-PIN TRACK BAR W/ MR16 GU10 LED MOVABLE TRACK LIGHTS (3000K/W50W EACH)
- 1-MR16 GU10 LED SURFACE MOUNTED SPOTLIGHT (3000K/W50W)
- 2-E27 LED ART DECO WALL SCONCE (3000K/W60W)
- 1-E27 LED ART DECO WALL SCONCE UPLIGHT (3000K/W40W)
- 1-T5 LED ART DECO WALL SCONCE DOWNLIGHT (3000K/W40W)
- 1-MR16 LED CANISTER TYPE WALL SCONCE UPLIGHT (3000K/W60W)
- 1-E27 LED SURFACE MOUNTED PINLIGHT WITH GLASS LENS (4000K/4'x8'x10")
- 1-E27 LED PENDANT DOWNLIGHT (3000K/W60W)
- 1-E27 LED RECESSED MOUNTED PINLIGHT WITH DIFFUSER (4000K/4'x8'x10")
- 1-E27 LED SURFACE MOUNTED PINLIGHT WITH DIFFUSER (4000K/4'x8'x10")
- 1-WIDE BAY LED PENDANT LIGHT WITH DIFFUSER (4000K/4'x8'x10")
- 1-LED EXIT SIGNAGE WITH 10 MIN BATTERY LIFE
- 1-LED AUTOMATIC EMERGENCY LIGHTING

1 STADIUM LEVEL LIGHTING LAYOUT
E1-06 SCALE 1:250



- 1 HIGH BAY LED LIGHT, 6000K
- 1 HIGH OUTPUT LED DOWN LIGHT, 8000K
- 1 SURFACE MOUNTED DOWN LIGHT WITH DIFFUSER, HIGH OUTPUT 30W E27 LED BULB, 8000K
- 1 HIGH BAY FLOOD LIGHT, 6000K 90 DEG. BEAM ANGLE
- MAIN DISTRIBUTION PANELBOARD
- DUPLEX CONVENIENCE OUTLET
- CEILING MOUNTED DUPLEX CONVENIENCE OUTLET
- FLOOR MOUNTED DUPLEX CONVENIENCE OUTLET
- WP-WEATHERPROOF DUPLEX C.O. WITH GFCI
- AQUARIUM OUTLET

1
E1-07

STADIUM SPORTS LIGHTING LAYOUT
SCALE 1:250



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

**REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM**

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST., MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

SHEET CONTENTS:

STADIUM SPORTS LIGHTING LAYOUT

DESIGN BY:

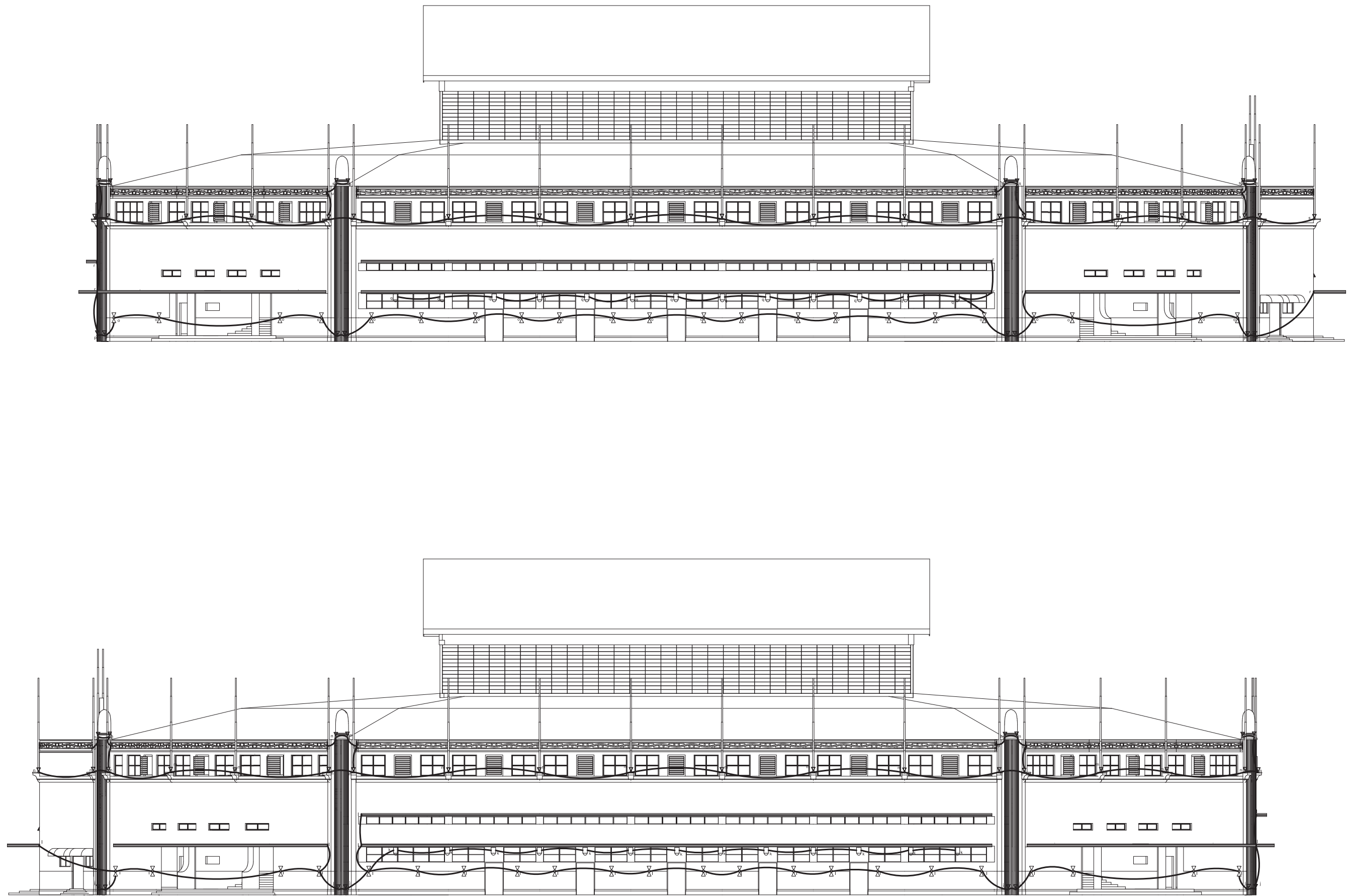
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DATE:

SHEET NUMBER

E1-07



1
E1-09

LEFT AND RIGHT ELEVATIONS LIGHTING LAYOUT

SCALE

1:250



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

**REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM**

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

SHEET CONTENTS:

LEFT AND RIGHT ELEVATIONS
LIGHTING LAYOUT

DESIGN BY:

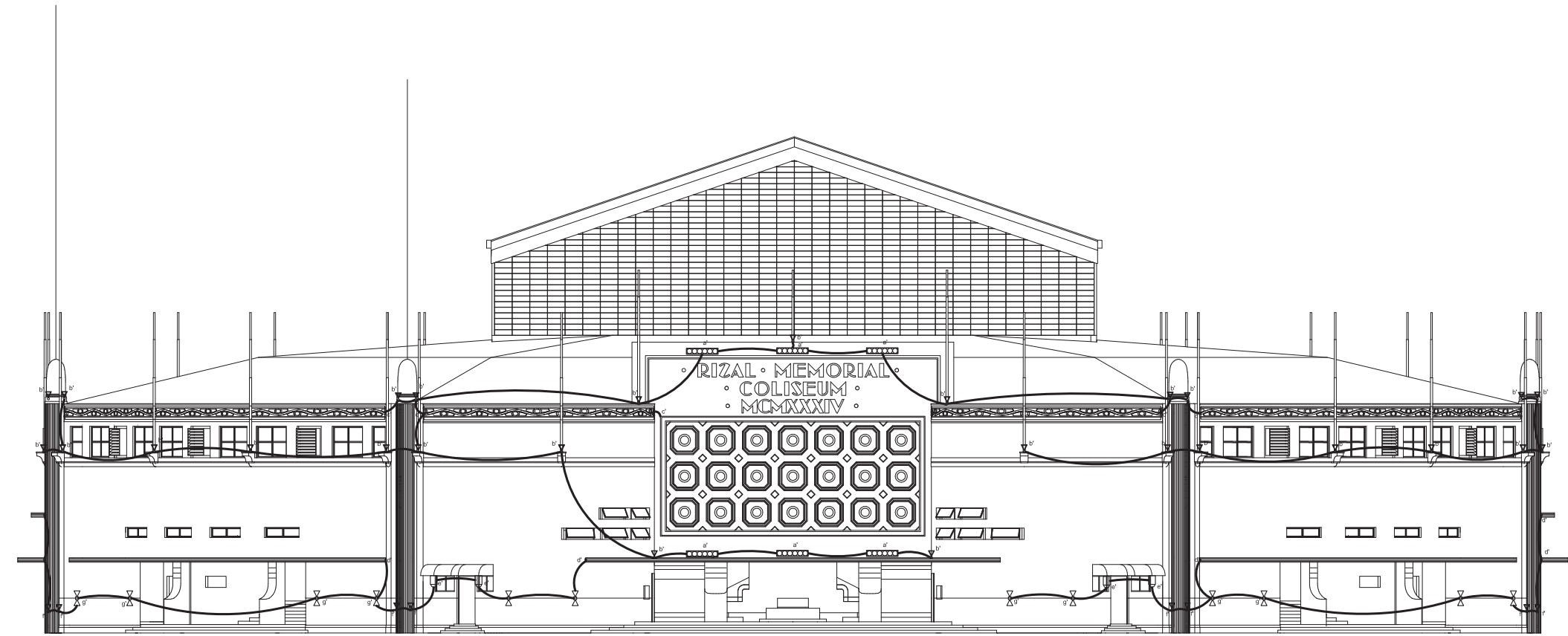
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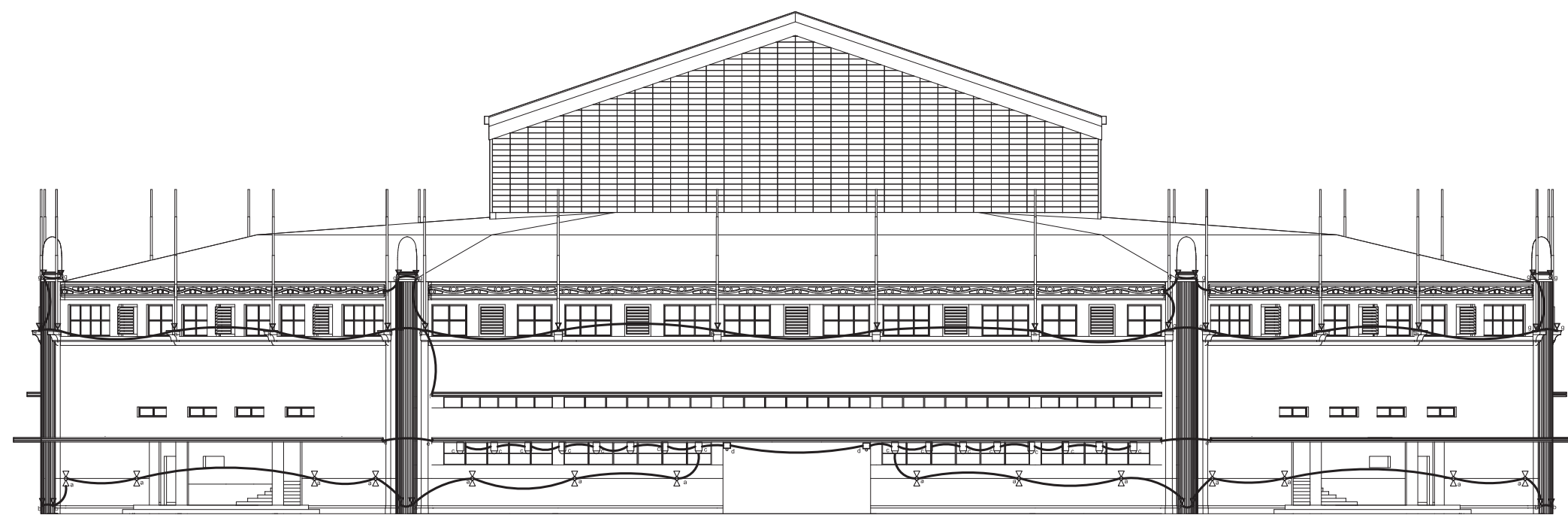
DATE:

SHEET NUMBER

E1-09



- 1- INTEGRATED LED OUTDOOR WALL WASHER, WARM WHITE, WATERPROOF (VERIFY WATTAGE)
- 1- INTEGRATED LED OUTDOOR FLOOD LIGHT, WARM WHITE, WATERPROOF (VERIFY WATTAGE)
- 1- INTEGRATED LED OUTDOOR SPOT LIGHT, WARM WHITE, WATERPROOF (VERIFY WATTAGE)
- 2- E27 LED OUTDOOR SCONCE, WARM WHITE, WATERPROOF (VERIFY WATTAGE)
- 1- SURFACE MOUNTED DOWN LIGHT WITH FROSTED GLASS DIFFUSER, W/ E27 LED WW BULB
- 1- INTEGRATED LED OUTDOOR SPOT LIGHT, WARM WHITE, WATERPROOF (VERIFY WATTAGE)



- 1- INTEGRATED LED OUTDOOR WALL WASHER, WARM WHITE, WATERPROOF (VERIFY WATTAGE)
- 1- INTEGRATED LED OUTDOOR FLOOD LIGHT, WARM WHITE, WATERPROOF (VERIFY WATTAGE)
- 1- INTEGRATED LED OUTDOOR SPOT LIGHT, WARM WHITE, WATERPROOF (VERIFY WATTAGE)
- 2- E27 LED OUTDOOR SCONCE, WARM WHITE, WATERPROOF (VERIFY WATTAGE)
- 1- SURFACE MOUNTED DOWN LIGHT WITH FROSTED GLASS DIFFUSER, W/ E27 LED WW BULB
- 1- INTEGRATED LED OUTDOOR SPOT LIGHT, WARM WHITE, WATERPROOF (VERIFY WATTAGE)

1 FRONT AND REAR ELEVATIONS LIGHTING LAYOUT
E1-08 SCALE 1:250



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

**REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM**

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

SHEET CONTENTS:

FRONT AND REAR ELEVATIONS
LIGHTING LAYOUT

DESIGN BY:

DRAWN BY:

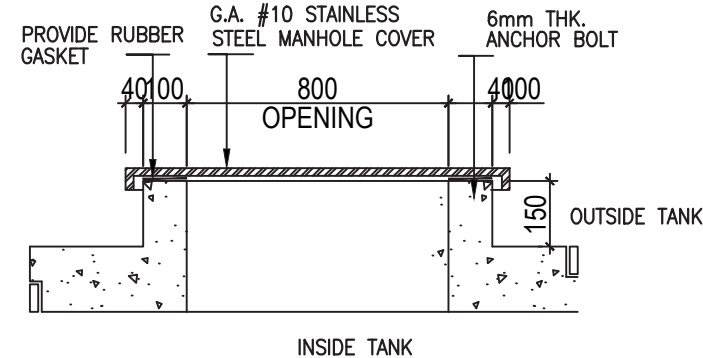
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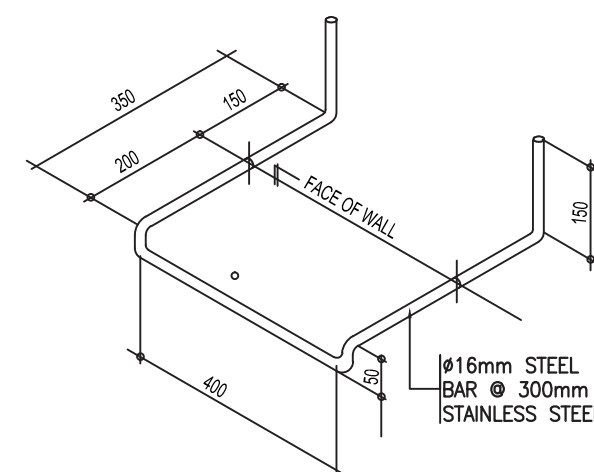
SHEET NUMBER

E1-08

1. ALL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
2. ALL INSTALLATION THEREIN SHALL BE DONE TO THE BEST PRACTICE OF THE PROFESSION SUPERVISED DURING CONSTRUCTION BY A MASTER PLUMBER.
3. COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATION. THE EMPLOYER'S REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
4. ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATIONS REQD FOR PROPER EXECUTION OF OTHER TRADE SHALL BE W/ PRIOR APPROVAL OF THE EMPLOYER'S REPRESENTATIVE.
5. IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY PIPE, FITTING, VALVE AND AFFLUENCE. AS SUCH ITEMS WHETHER SPECIFICALLY MENTIONED OR NOT, OR INDICATED ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED. IF NECESSARY, TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE PLUMBING TRADE AND TO THE SATISFACTION OF THE EMPLOYER'S REPRESENTATIVE.
6. PIPING SHALL BE PROPERLY GRADED OR PITCHED TO ENSURE EASY DRAINAGE. THE MINIMUM SLOPES SHALL BE AS FOLLOWS:
 - a. SANITARY PIPES: FOR 80mm AND BELOW - 1:50
 - FOR 100mm AND LARGER - 1:100
7. EXACT LOCATION OF EXISTING UTILITIES (WATERLINES, SEWER LINES, MANHOLES, SEPTIC TANK AND STORM DRAINAGE LINES) SHALL BE VERIFIED BY THE CONTRACTOR AT JOBSITE.
8. CONTRACTOR TO CONDUCT WATER SAMPLING ANALYSIS PRIOR TO TURN-OVER FOR APPROVAL BY OWNER OR HIS AUTHORIZED REPRESENTATIVE.
9. THE PROPOSED UTILITIES SHALL BE MADE TO CONFORM TO THE ACTUAL LOCATION, TAPPING POINT, DEPTH AND INVERT LEVELS OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL GOVERNMENT / LOCAL CONSTRUCTION OPERATION PERMITS. OTHER PERMITS REQUIRED BY ANY REGULATORY AGENCY.
11. EXTERIOR UNDERGROUND RAMP DISCHARGE PIPES SHALL BE CENTRIFUGALLY CAST IRON PIPE & FITTINGS.
12. ALL WORKS SHALL BE DONE WITH UTMOST CARE AND HIGHEST LEVEL OF QUALITY AND SAFETY; WITH NO ADVERSE DISRUPTION TO EXISTING UTILITIES AND / OR OPERATION.
13. ANY EXISTING UTILITIES EQUIPMENT, PIPING OR PAVED AREAS AFFECTED SHALL BE RESTORED TO ORIGINAL CONDITION AND BE PROPERLY SCHEDULED PRIOR TO ACTUAL WORK WITH THE OWNER OR HIS AUTHORIZED REPRESENTATIVE.
14. ALL PIPES PENETRATING THRU WALLS, CEILING, FLOORS SHALL BE ACOUSTICALLY SEALED WITH STC FIRE RATED MATERIALS.
15. ALL PIPE SIZES INDICATED IN THE DRAWINGS ARE NOMINAL AND IN REFERENCE TO ITS INTERNAL DIAMETER. IT SHALL NOT BE CONSIDERED AS COMMERCIAL SIZE.
16. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL MATERIALS SAMPLE OF PIPES TO BE INSTALLED PRIOR TO INSTALLATION.
17. ALL PIPE SLEEVES SHALL CONFORM TO STRUCTURAL SLEEVING DETAIL.
18. POLYPROPYLENE AND OTHER PLASTIC PIPES AND FITTINGS SHALL CONFORM TO THE DIMENSIONAL REQUIREMENT OF SCHEDULE 40 IRON PIPE SIZE AS INDICATED BELOW:



Technical cross-section diagram of a roof penetration detail. The diagram shows a vertical pipe passing through a roof structure. From top to bottom, the layers are: G.I. SHEET, FINE SCREED, ELASTOMER ROOFING MEMBRANE, BASE FELT, and ELASTOMER FLASHING. A vertical dimension line on the left indicates a height of 150 units. A horizontal centerline is labeled 'C'. At the bottom, a layer is labeled 'C.C. ROOF SLAB'.



NTS

P-1

SCALE

U-TYPE HANGER FOR CROSS MAIN AND FEED MAIN

ADJUSTABLE SWIVEL RING HANGER WITH EXPANSION SHIELD

CENTER I-BEAM CLAMP FOR BRANCH LINE

ADJUSTABLE FLAT IRON HANGER

V-TYPE HANGER FOR BRANCH LINE

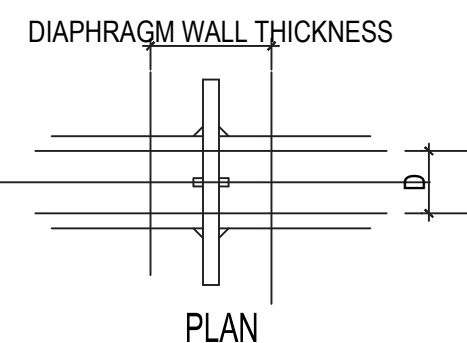
SIDE BEAM ADJUSTABLE

C-TYPE CLAMP WITH RETAINING STRAP

ADJUSTABLE CLIP FOR BRANCH LINE

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CONCRETE THRUST BLOCK DETAIL
 SCALE _____ NT5



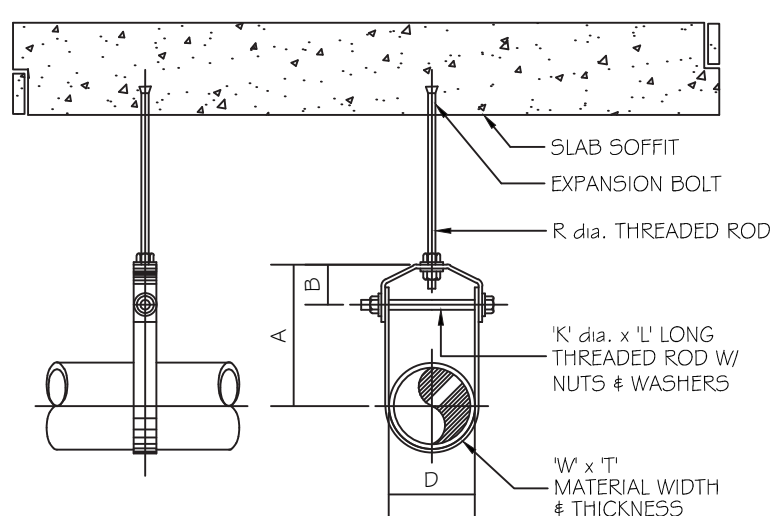
SCALE



DE BEAM
JUSTABLE

C-TYPE CLAMP
WITH RETAINING
STRAP

ADJUSTABLE
CLIP FOR
BRANCH LINE



D	A	B	R	W x T	K x L
34	80	45	12	25 x 3	M10 x 70
43	90	50	12	25 x 3	M10 x 80
48	95	50	12	25 x 3	M10 x 85
60	105	55	12	25 x 3	M10 x 100
76	115	60	14	40 x 6	M12 x 115
89	125	60	14	40 x 6	M12 x 130
114	145	65	18	40 x 6	M16 x 160
140	165	75	18	40 x 6	M16 x 190
165	185	80	18	40 x 6	M16 x 210

	THRUST BLOCK DIMENSIONS (M)											
PIPE DIA. (MM.)	90° BEND		45° BEND		22-1/2° BEND		11-1/4° BEND		TEES		PLUG	
	A	B	A	B	A	B	A	B	A	B	C	D
50-75	0.30	0.20	0.15	0.20	0.10	0.15	0.10	0.15	0.20	0.25	0.20	0.35
100-150	0.40	0.25	0.20	0.25	0.15	0.20	0.15	0.20	0.25	0.30	0.25	0.50
200	0.55	0.32	0.30	0.32	0.20	0.25	0.20	0.25	0.32	0.40	0.30	0.72
250	0.65	0.42	0.35	0.32	0.25	0.32	0.25	0.32	0.40	0.50	0.30	0.90
300	0.72	0.52	0.40	0.52	0.27	0.40	0.27	0.40	0.45	0.60	0.40	1.02

LEGEND:

SS	SOIL STACK
V	VENT STACK
VSTR	VENT STACK THRU ROOF
GV	GATE VALVE
CV	CHECK VALVE
WM	WATER METER
	FLOOR/GROUND CLEANOUT
SP/S	SEILING PIPE/SOIL STACK
	VENT PIPE
NP	POTABLE
CWL	NON-POTABLE
WC	COLD WATERLINE
HW	HOT WATERLINE
WL	WATER CLOSET
SINK	SINK
URI	URINAL
LAV	LAVATORY
LAUN SINK	LAUNDRY SINK
SHOW	SHOWER
 FD	FLOOR DRAIN
DS	DOWN SPOUT
RD	ROOF DRAIN
SD	STORM DRAIN PIPE
RISER	RISER
WATER	WATER METER
VP/VS	VENT PIPE/VENT STACK
HB	HOSE BIBB
CP	COLD PROPYLENE RANDOM
CB/AD	CATCH BASIN/ A
	GATE VALVE
	BALL VALVE
	CHECK VALVE
 UP	UNION PATENTE
L-R	LEFT TO RIGHT
T-B	TOP TO BOTTOM
AC	BELOW SLAB
AB	ABOVE CEILING

----- VENT PIPE (VP) PVC SERIES 1000
 - - - - - COLD WATERLINE (CWL) PPR PN20
 _____ BLACK WATER PIPE/SOIL PIPE (SP) PVC SERIES 1000
 _____ STORM DRAIN LINE (SD) REINFORCED CONCRETE PIPE
 _____ DOWNSPOUT (DS) PVC SERIES 1000
 _____ ROOF DRAIN TRENCH (RDT)



10
P-1

FLOAT VALVE DETAIL

SCALE

NTS

 **PHILIPPINE SPORTS COMMISSION**
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

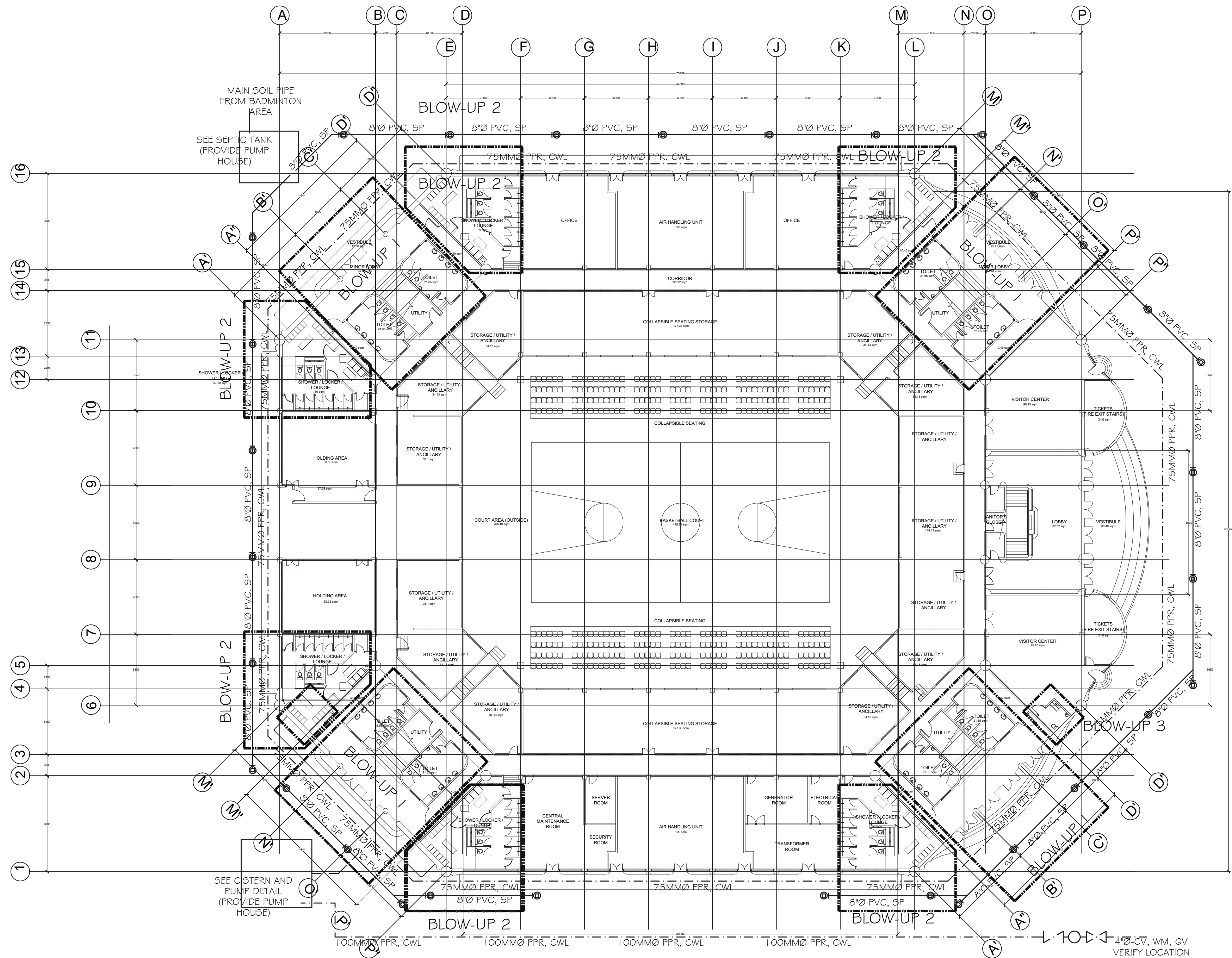
APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

DESIGN BY:
DRAWN BY:
CHECKED BY:
DATE:

P-01



GROUND FLOOR
MAIN WATERLINE AND SOIL PIPE LAYOUT

SCALE 1:250 MTR

**NOTE: ALL PIPES AND VALVES SHOWN ARE IN NOMINAL PIPE DIAMETER/INTERNAL DIAMETER

- VENT PIPE (VP) PVC SERIES 1 000
- COLD WATERLINE (CWL) PPR PN20
- BLACK WATER PIPE/SOIL PIPE (SP) PVC SERIES 1 000
- STORM DRAIN LINE (SD) REINFORCED CONCRETE PIPE DOWNSPOUT (DS) PVC SERIES 1 000
- ROOF DRAIN TRENCH (RDT)

P-02



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:
**REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM**
LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA

SUBMITTED BY:
ENGR. PEDRO I. PINEDA JR.
HEAD, ENGINEERING SECTION

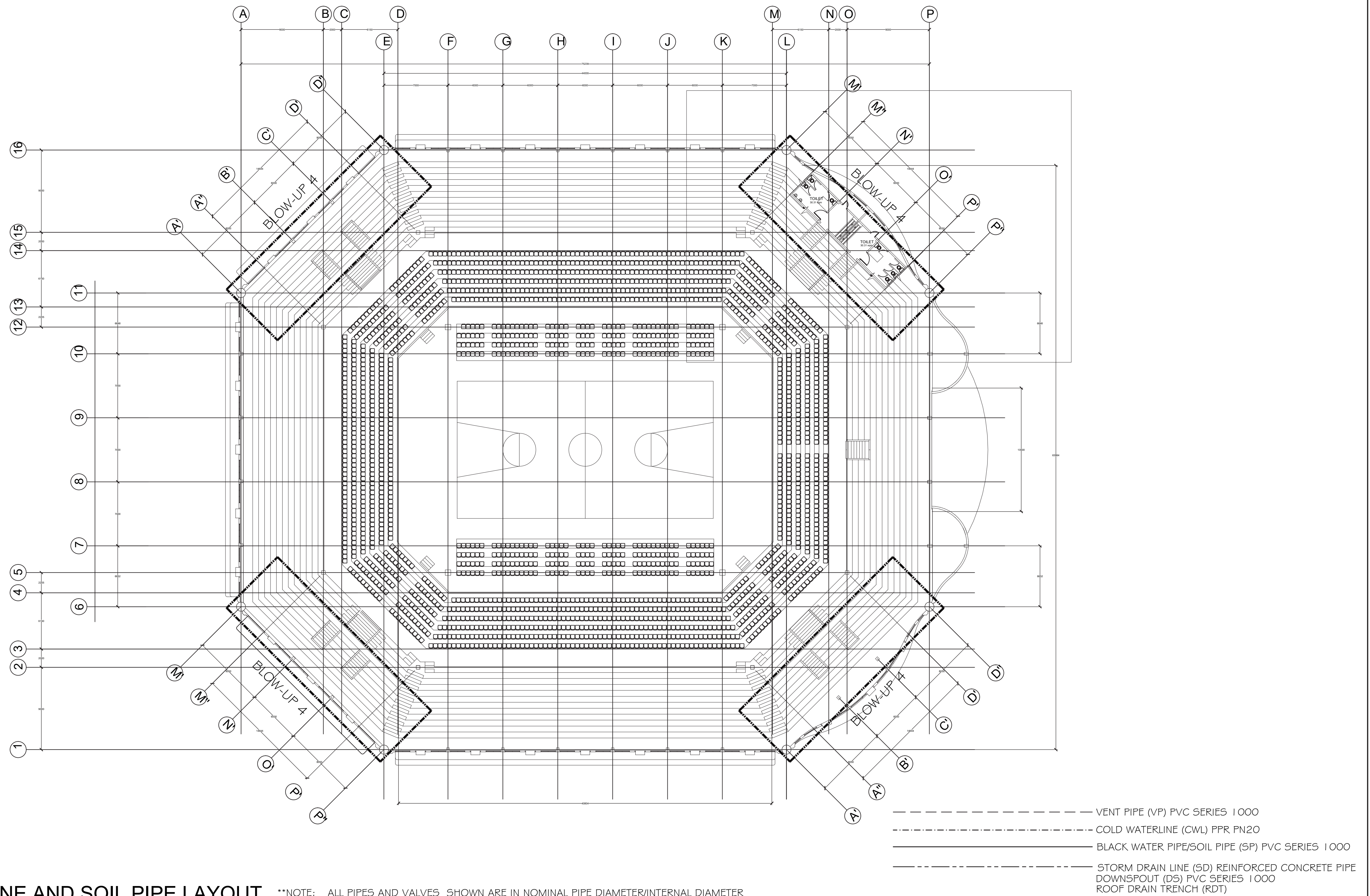
RECOMMENDING APPROVAL:
DIR. MERLITA R. IBAY
OIC, EXECUTIVE DIRECTOR

APPROVED BY:
HON. WILLIAM I. RAMIREZ
CHAIRMAN

SHEET CONTENTS:
GROUND FLOOR PLAN MAIN
WATERLINE AND SOIL PIPE LAYOUT

DESIGN BY:
DRAWN BY:
CHECKED BY:
DATE:

P-02



SECOND FLOOR
MAIN WATERLINE AND SOIL PIPE LAYOUT

**NOTE: ALL PIPES AND VALVES SHOWN ARE IN NOMINAL PIPE DIAMETER/INTERNAL DIAMETER

- VENT PIPE (VP) PVC SERIES 1000
- . - . - . COLD WATERLINE (CWL) PPR PN20
----- BLACK WATER PIPE/SOIL PIPE (SP) PVC SERIES 1000
----- STORM DRAIN LINE (SD) REINFORCED CONCRETE PIPE
DOWNSPOUT (DS) PVC SERIES 1000
ROOF DRAIN TRENCH (RDT)

P-03

SCALE

1:250 MTR



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

**REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM**

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST., MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

SHEET CONTENTS:

SECOND FLOOR PLAN
MAIN WATERLINE AND SOIL PIPE LAYOUT

DESIGN BY:

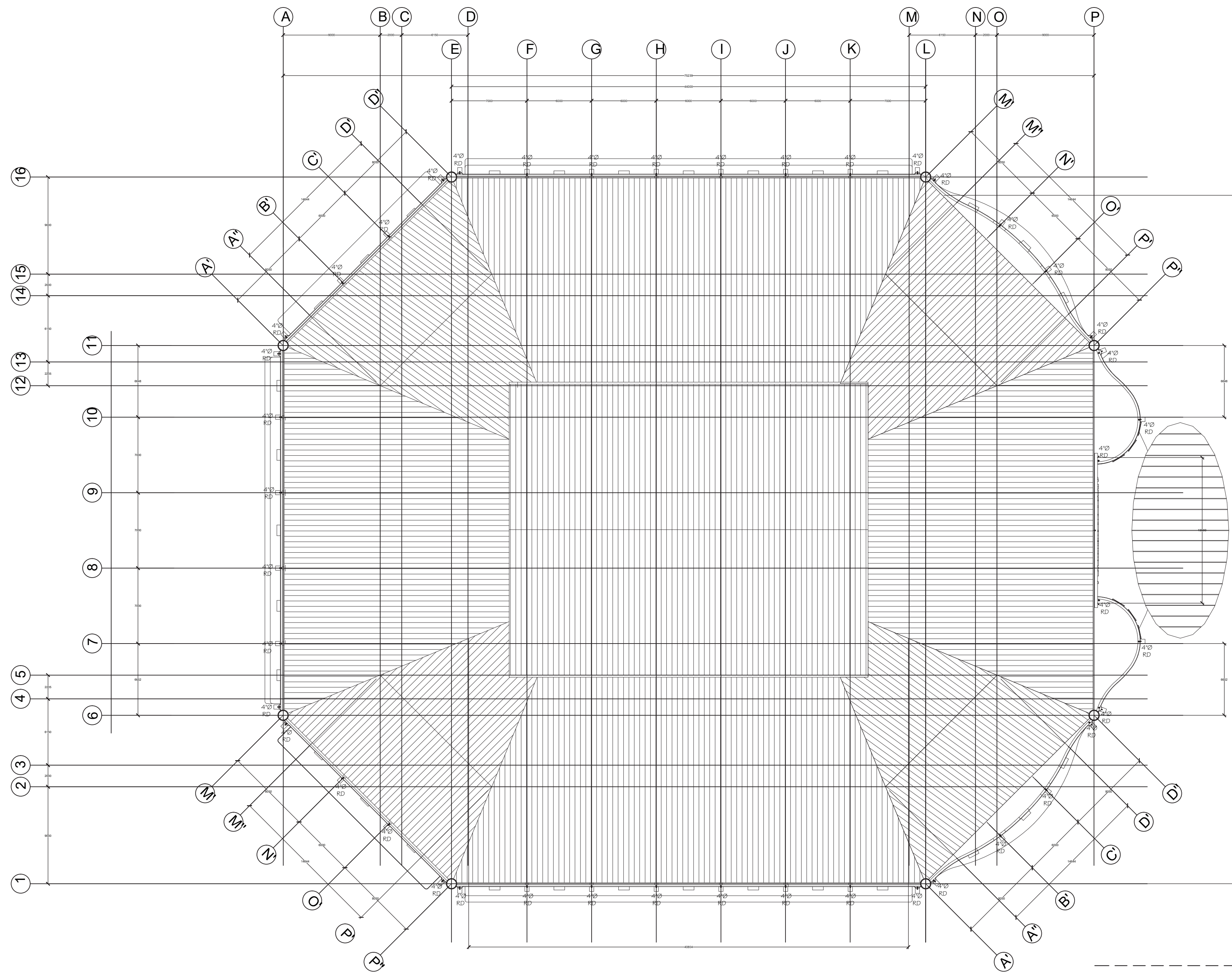
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DATE:

SHEET NUMBER

P-03



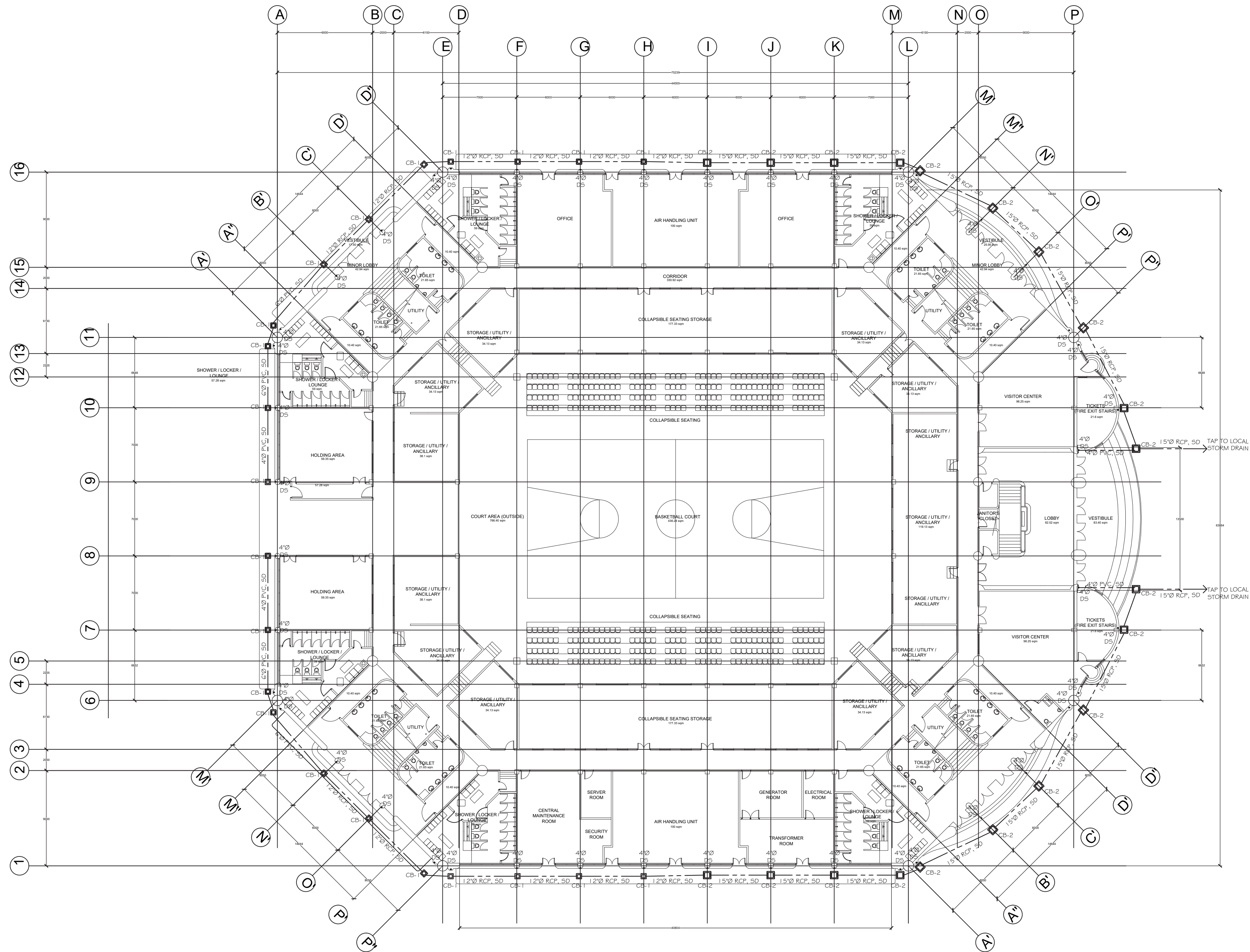
- VENT PIPE (VP) PVC SERIES 1 000
- .-.-.- COLD WATERLINE (CWL) PPR PN20
- BLACK WATER PIPE/SOIL PIPE (SP) PVC SERIES 1 000
- STORM DRAIN LINE (SD) REINFORCED CONCRETE PIPE
- DOWNSPOUT (DS) PVC SERIES 1 000
- ROOF DRAIN TRENCH (RDT)

**NOTE: ALL PIPES AND VALVES SHOWN ARE IN NOMINAL PIPE DIAMETER/INTERNAL DIAMETER

ROOF DRAIN LAYOUT
SCALE 1:250 MTR

 PHILIPPINE SPORTS COMMISSION RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA	PROJECT TITLE:	SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	DESIGN BY:	SHEET NUMBER
	REHABILITATION OF THE RIZAL MEMORIAL COLISEUM	ENGR. PEDRO I. PINEDA JR.	DIR. MERLITA R. IBAY	HON. WILLIAM I. RAMIREZ	ROOF DRAIN LAYOUT	DRAWN BY:	
	LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST., MALATE, MANILA	HEAD, ENGINEERING SECTION	OIC, EXECUTIVE DIRECTOR	CHAIRMAN		CHECKED BY:	
						DATE:	

P-04



- VENT PIPE (VP) PVC SERIES 1 000
- - - - - COLD WATERLINE (CWL) PPR PN20
- BLACK WATER PIPE/SOIL PIPE (SP) PVC SERIES 1 000
- STORM DRAIN LINE (SD) REINFORCED CONCRETE PIPE
- DOWNSPOUT (DS) PVC SERIES 1 000
- ROOF DRAIN TRENCH (RDT)

STORM DRAIN LAYOUT
SCALE 1:250 MTR

****NOTE:** ALL PIPES AND VALVES SHOWN ARE IN NOMINAL PIPE DIAMETER/INTERNAL DIAMETER

 PHILIPPINE SPORTS COMMISSION RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA	PROJECT TITLE: REHABILITATION OF THE RIZAL MEMORIAL COLISEUM	SUBMITTED BY: ENGR. PEDRO I. PINEDA JR. HEAD, ENGINEERING SECTION	RECOMMENDING APPROVAL: DIR. MERLITA R. IBAY OIC, EXECUTIVE DIRECTOR	APPROVED BY: HON. WILLIAM I. RAMIREZ CHAIRMAN	SHEET CONTENTS: STORM DRAIN LAYOUT	DESIGN BY:	P-05
	LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST., MALATE, MANILA					DRAWN BY:	
						CHECKED BY:	
						DATE:	



**NOTE: ALL PIPES AND VALVES SHOWN ARE IN NOMINAL PIPE DIAMETER/INTERNAL DIAMETER



PROJECT TITLE:

**REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM**

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. Ocampo Sr. St, Malate, Manila

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

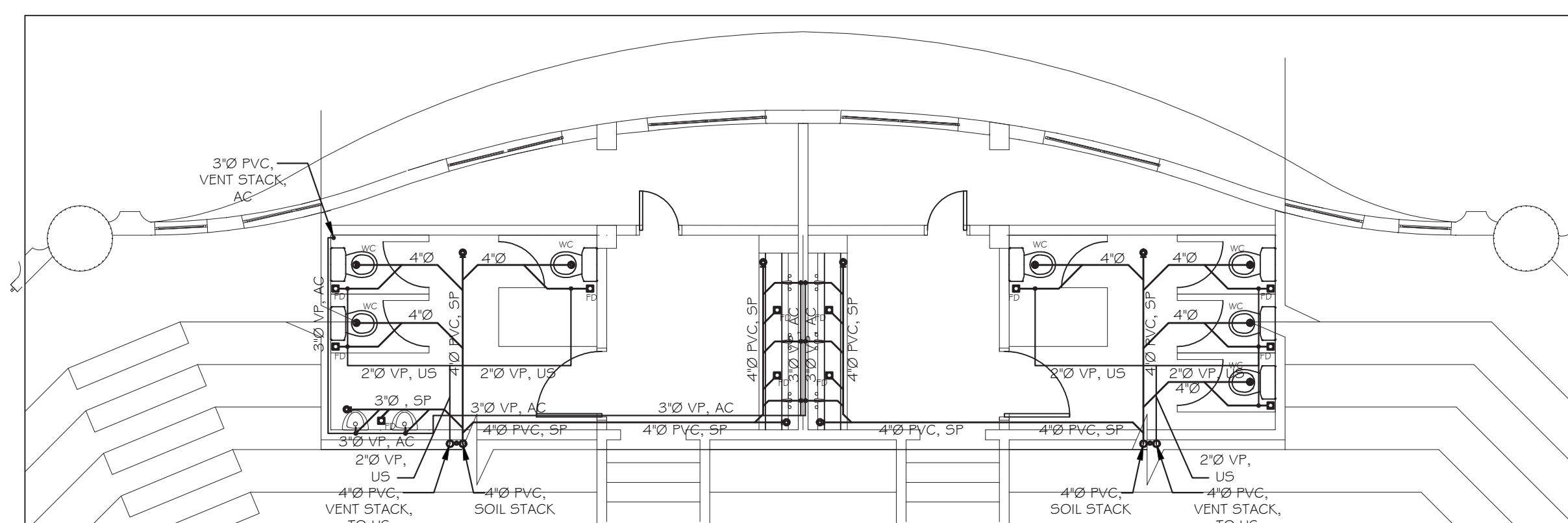
CHAIRMAN

SHEET CONTENTS:

BLOW-UP PLANS

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CHECKED BY: _____
DATE: _____

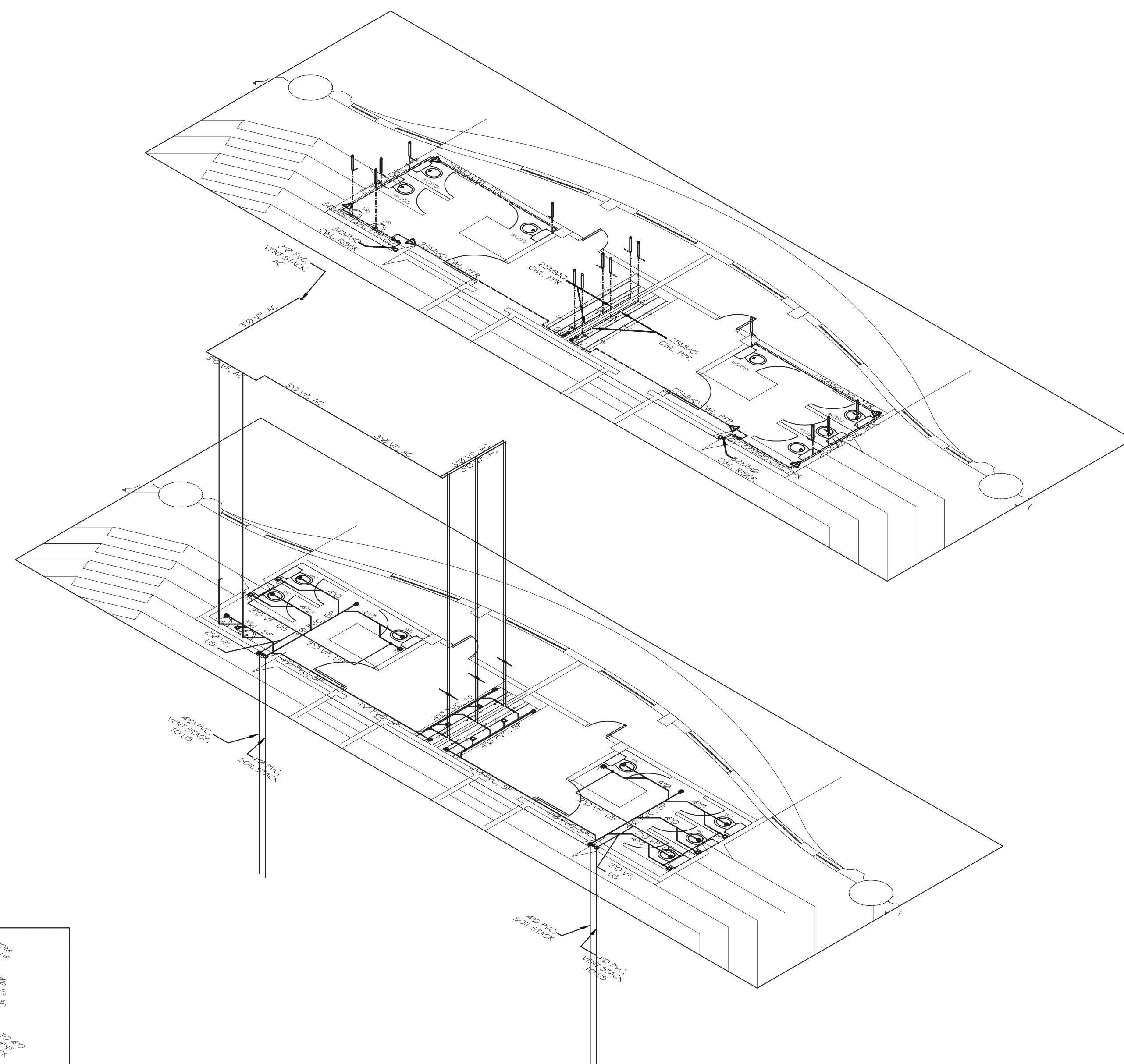
P-06



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A0-01

GROUND FLOOR PLAN

SCALE 1:250



BLOW-UP 4

SCALE 1:100MTRS

**NOTE: ALL PIPES AND VALVES SHOWN ARE IN NOMINAL PIPE DIAMETER/INTERNAL DIAMETER



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

REHABILITATION OF THE RIZAL MEMORIAL COLISEUM

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA

SUBMITTED BY:	
---------------	--

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM J. RAMIREZ

CHAIRMAN

	SHEET CONTENTS:
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BLOW-UP PLANS

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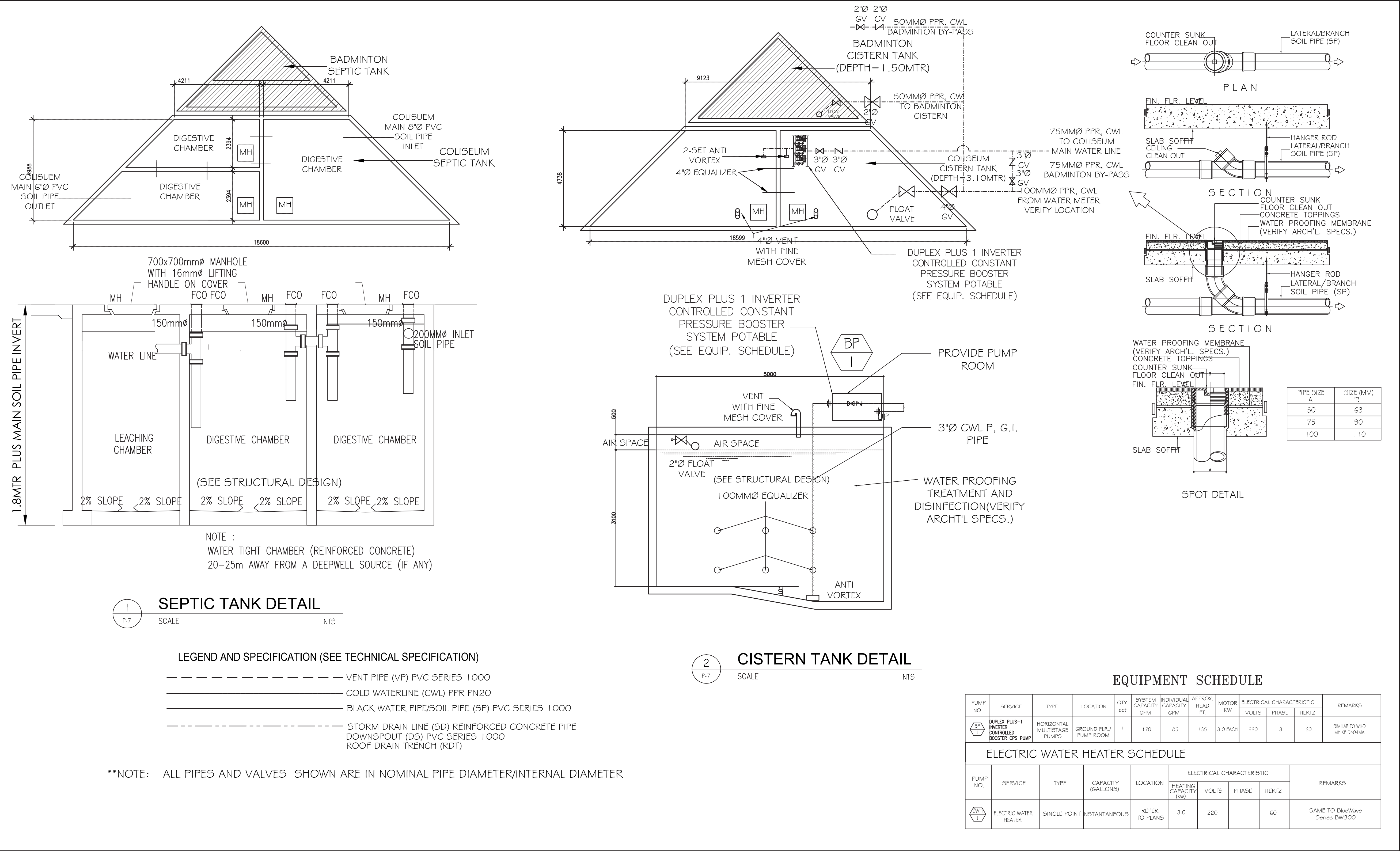
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SHEET NUMBER

P-07



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:	REHABILITATION OF THE RIZAL MEMORIAL COLISEUM
LOCATION:	RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST., MALATE, MANILA

SUBMITTED BY:	ENGR. PEDRO I. PINEDA JR.
	HEAD, ENGINEERING SECTION

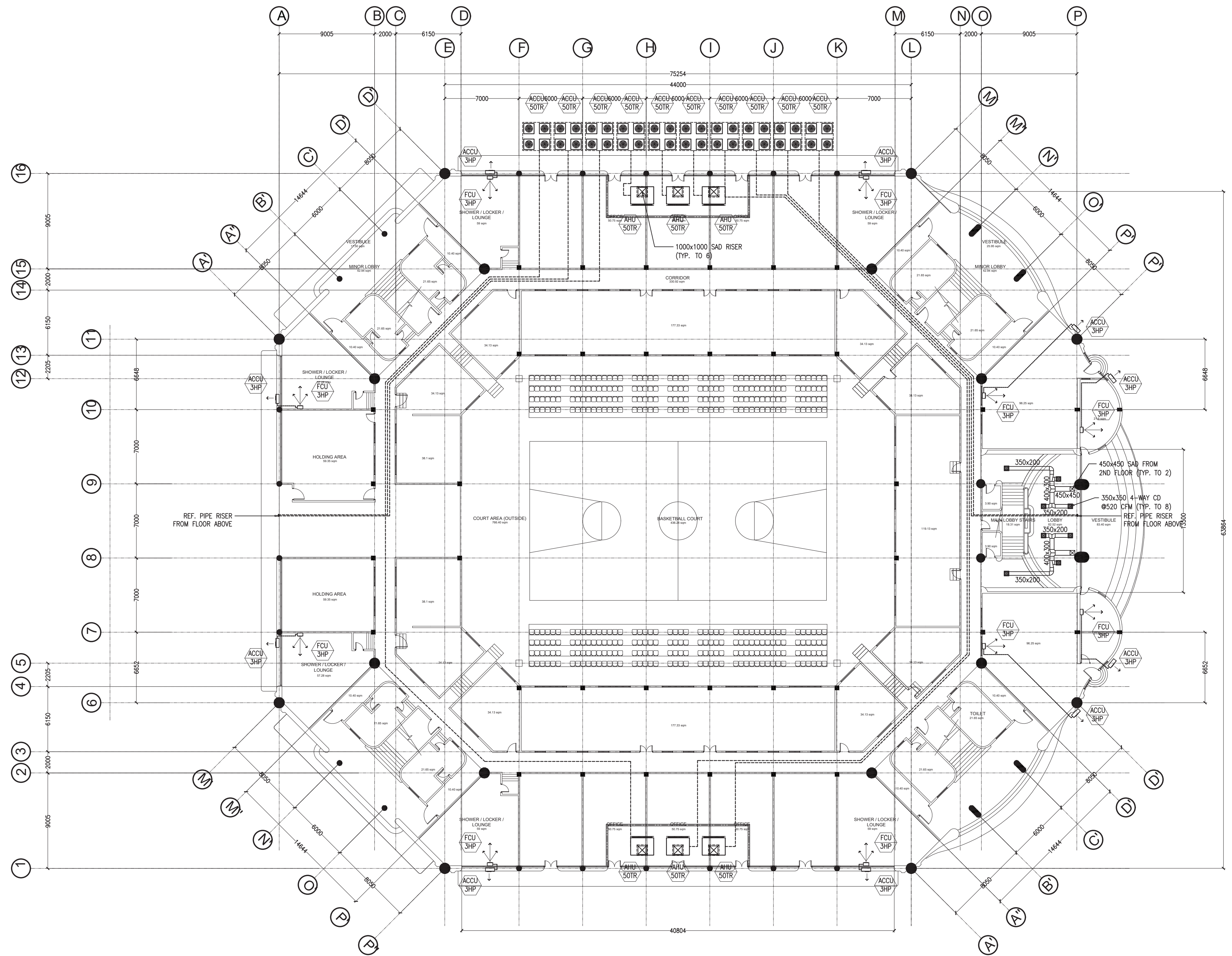
RECOMMENDING APPROVAL:	DIR. MERLITA R. IBAY
	OIC, EXECUTIVE DIRECTOR

APPROVED BY:	HON. WILLIAM I. RAMIREZ
	CHAIRMAN

SHEET CONTENTS:	CISTERN AND SEPTIC TANK DETAIL EQUIPMENT SCHEDULE
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DESIGN BY:	DRAWN BY:
	CHECKED BY:
	DATE:

SHEET NUMBER	P-08
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PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

**REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM**

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

SHEET CONTENTS:

GROUND FLOOR LEVEL
MECHANICAL LAYOUT

DESIGN BY:

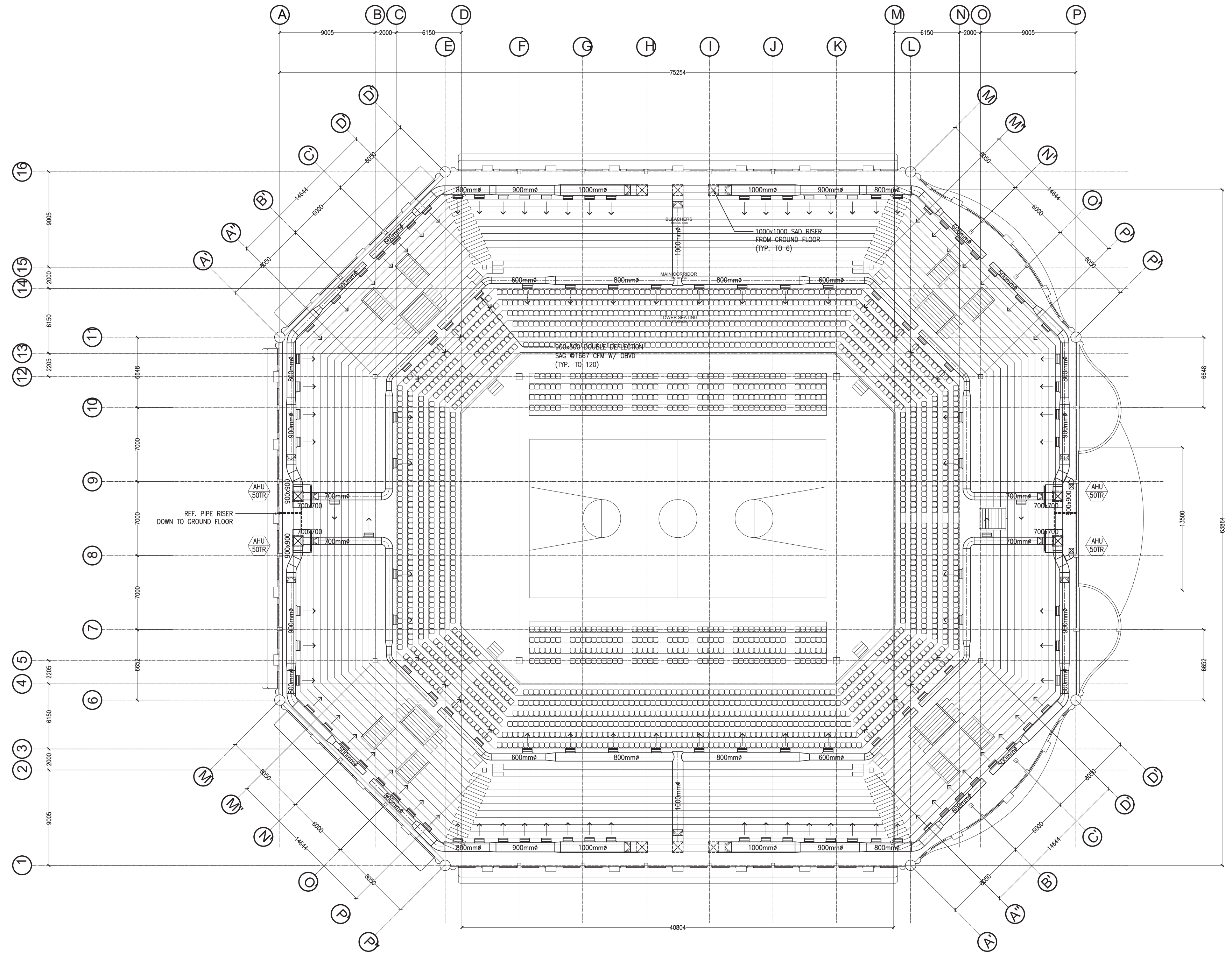
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DATE:

SHEET NUMBER

M1-01



PHILIPPINE SPORTS COMMISSION
RMSC, PABLO OCAMPO SR. ST., MALATE, MANILA

PROJECT TITLE:

**REHABILITATION OF THE
RIZAL MEMORIAL COLISEUM**

LOCATION: RIZAL MEMORIAL SPORTS COMPLEX, P. OCAMPO SR. ST, MALATE, MANILA

SUBMITTED BY:

ENGR. PEDRO I. PINEDA JR.

HEAD, ENGINEERING SECTION

RECOMMENDING APPROVAL:

DIR. MERLITA R. IBAY

OIC, EXECUTIVE DIRECTOR

APPROVED BY:

HON. WILLIAM I. RAMIREZ

CHAIRMAN

SHEET CONTENTS:

STADIUM LEVEL
MECHANICAL LAYOUT

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CHECKED BY:

DATE:

SHEET NUMBER

M1-02