

NATIONAL ACADEMY OF SPORTS PHASE 1

NEW CLARK CITY, CAPAS, TARLAC

ARCHITECTURAL AS-BUILT DRAWINGS

MULTI-PURPOSE GYM BUILDING

APPROVED BY:		CHECKED BY:	PREPARED BY:	PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:
 Bases Conversion and Development Authority AND  NATIONAL ACADEMY OF SPORTS The Philippines Sports Center	 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOC PROJECT MANAGER	 HILMARC'S CONSTRUCTION CORPORATION 1639 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. (02) 4381111 JESUS V. HERDAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ARCHITECTURAL) LOCATION: NCC, MUNICIPALITY OF CAPAS, TARLAC	COVER PAGE	A-0.00	
JOSHUA M. BINGOANG SAP-006		JOSEPHINE JOY REYES EXECUTIVE DIRECTOR				

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6. CONTRACTOR / SUB-CONTRACTORS MUST SUBMIT SHOP DRAWINGS FOR APPROVAL BY THE ARCHITECT.

7. CONTRACTOR / SUB-CONTRACTORS MUST SUBMIT MOCK-UP FOR APPROVAL BY THE ARCHITECT PRIOR TO IMPLEMENTATION.

8. SPECIFIED MATERIALS OR APPROVED EQUIVALENT MUST BE APPROVED BY THE ARCHITECT PRIOR TO IMPLEMENTATION.

STANDARD GRAPHIC SYMBOLS

SYMBOL

DESCRIPTION

HEIGHT REFERENCE

HEIGHT SYMBOL

FLOOR HEIGHT SYMBOL ON PLAN

ELEVATION TAG

DETAIL SECTION TAG

PLAN TITLE TAG

DETAIL BOUNDARY TAG

REVISION CLOUD

GRID LINE

CUT LINE TAGS

DOOR, WINDOW AND PARTITION TAGS

INTERIOR ELEVATION TAGS

STANDARD ABBREVIATIONS

ABBREVIATION

DESCRIPTION

ABBREVIATION

DESCRIPTION

FD

FLOOR DRAIN

CO

CONVENIENCE OUTLET

SHD

SHOWER FIXTURE

ACU

AIR CONDITIONING UNIT

WC

WATER CLOSET

HD

HAND DRYER

LAV

LAVATORY

SD

SOAP DISPENSER

FPL

FIN FLOOR LINE

TH

TOILET PAPER HOLDER

FCL

FIN CEILING LINE

CMH

CONCEALED MANHOLE

REF

REFRIGERATOR

WTP

WATERPROOFING

HT

HEIGHT

BATP

BATHING

FF

FLOOR FINISH

LF

LOOSE CLOSET/ FURNITURE

WF

WALL FINISH

CF

CEILING FINISH

CH

CEILING HEIGHT

SCHEDULE OF FINISHES

FINISH TAG

DESCRIPTION

010101

STRAIGHT TO FINISH CONCRETE WITH SEALER

010102

600MM x 600MM x 10MM NON-SKID CERAMIC TILE IN LIGHT GRAY MATTE FINISH OR APPROVED EQUIVALENT

010103

18MM x 120MM SHOCK-ABSORPTIVE HARDWOOD IN SMOOTH FINISH

010104

9MM THK. HIGH PERFORMANCE VINYL IN MATTE FINISH

010105

1000MM x 1000MM x 3MM THK. ANTI-SLIP KARATE MAT IN RED AND BLUE COLORS

010106

RUBBER FLOORING UNDERNEATH THE 50MM THK. ANTI-SLIP JUDO MAT IN RED AND BLUE COLORS

010107

1000MM x 1000MM x 3MM THK. HIGH RESILIENT XPE FOAM TAEKWONDO MAT

010108

500MM x 500MM x 3MM THK. HIGH DENSITY RUBBER TILE FLOORING

010109

REMOVABLE 9MM THK. HIGH PERFORMANCE VINYL IN MATTE FINISH (VOLLEYBALL)

010110

ESD CONTROL FLOORING FINISH

010111

STRAIGHT TO FINISH CONCRETE

010112

900MM x 300MM CONCRETE TACTILE DIRECTIONAL PAPER

010113

7.5MM THK PVC FLOORING W/ ANTI-BACTERIA PROTECTIVE TREATMENT

010114

STRAIGHT TO FINISH CONCRETE PAD

010115

LAHAR-GRAY ACRYLIC-BASED SKIM COAT IN VENEZIAN FINISH

010116

600MM x 600MM x 10MM CERAMIC TILE IN LIGHT GRAY MATTE FINISH OR APPROVED EQUIVALENT

010117

CLEAR TEMPERED GLASS (INTERIOR)

010118

PLAIN CEMENT FINISH

010119

CLEAR TEMPERED GLASS (EXTERIOR)

010120

TEXTURED CEMENT PLASTER IN MATTE RAL 000-30-00 CHARCOAL-GRAY PAINT FINISH

010121

TEXTURED CEMENT PLASTER IN MATTE RAL 190-70-35 AQUA BLUE PAINT FINISH

010122

TEXTURED CEMENT PLASTER IN MATTE RAL 085-70-20 TAUPE PAINT FINISH

010123

ACRYLIC-BASED SKIM COAT IN VENEZIAN FINISH

010124

PLAIN CEMENT FINISH

010125

600MM x 1200MM TEXTURED ACOUSTIC CEILING PANEL

010126

1200MM x 2440MM x 3.5MM FICEM BOARD ON METAL FURRING IN RAL 9002 LAHAR-GRAY PAINT FINISH

010127

1200MM x 2440MM x 12MM MOISTURE RESISTANT GYPSUM BOARD ON METAL FURRING IN RAL 9002 LAHAR-GRAY PAINT FINISH

010128

1200MM x 2440MM x 12MM ORDINARY GYPSUM BOARD ON METAL FURRING IN RAL 9002 LAHAR-GRAY PAINT FINISH

010129

PLAIN CEMENT IN MATTE RAL 000-30-00 CHARCOAL-GRAY PAINT FINISH

010130

PLAIN CEMENT IN MATTE RAL 190-70-35 AQUA BLUE PAINT FINISH

010131

PLAIN CEMENT IN MATTE RAL 085-70-20 TAUPE PAINT FINISH

010132

EXPOSED TRUSSES IN RAL 085-70-20 TAUPE EPOXY PAINT FINISH AND SUB-FRAMING/ SUPPORT IN BLACK EPOXY PAINT FINISH WITH BLACK DOUBLE BUBBLE- DOUBLE FOIL INSULATION

010133

EXPOSED TRUSSES AND SUB-FRAMING/ SUPPORT IN BLACK EPOXY PAINT FINISH WITH BLACK DOUBLE BUBBLE- DOUBLE FOIL INSULATION

010134

B3 MESH WITH TUBULAR FRAME IN RAL 085-70-20 TAUPE EPOXY PAINT FINISH

010135

12MM THK. POLISHED SOLID SURFACE COUNTERTOP

010136

CHALKBOARD WITH BLACK METAL FRAME

010137

ACOUSTIC SLIDING PARTITION

010138

16MM THK. PHENOLIC PARTITION FOR TOILET, CHANGING, AND URINAL

010139

SLIDING PARTITION

010140

GLAZED TEMPERED CLEAR GLASS FOR EXTERIOR

010141

10MM THK. OPAQUE SANDBLASTED TEMPERED GLASS FOR SHOWER ENCLOSURE (2 SIDES)

010142

6MM THK. REFLECTIVE MIRROR FINISH ON 6MM THK. MARINE PLYWOOD SUBSTRATE

STANDARD MOUNTING HEIGHT REFERENCE

APPROVED BY:

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JESUS V. HERGAS

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PROJECT TITLE:

AS-BUILT DRAWING

NATIONAL ACADEMY OF SPORTS

PHASE 1

(ARCHITECTURAL)

LOCATION: NCC MUNICIPALITY OF DAPAS, TARIAC

SHEET CONTENTS:

GENERAL NOTES

STANDARD GRAPHIC SYMBOLS

STANDARD ABBREVIATIONS

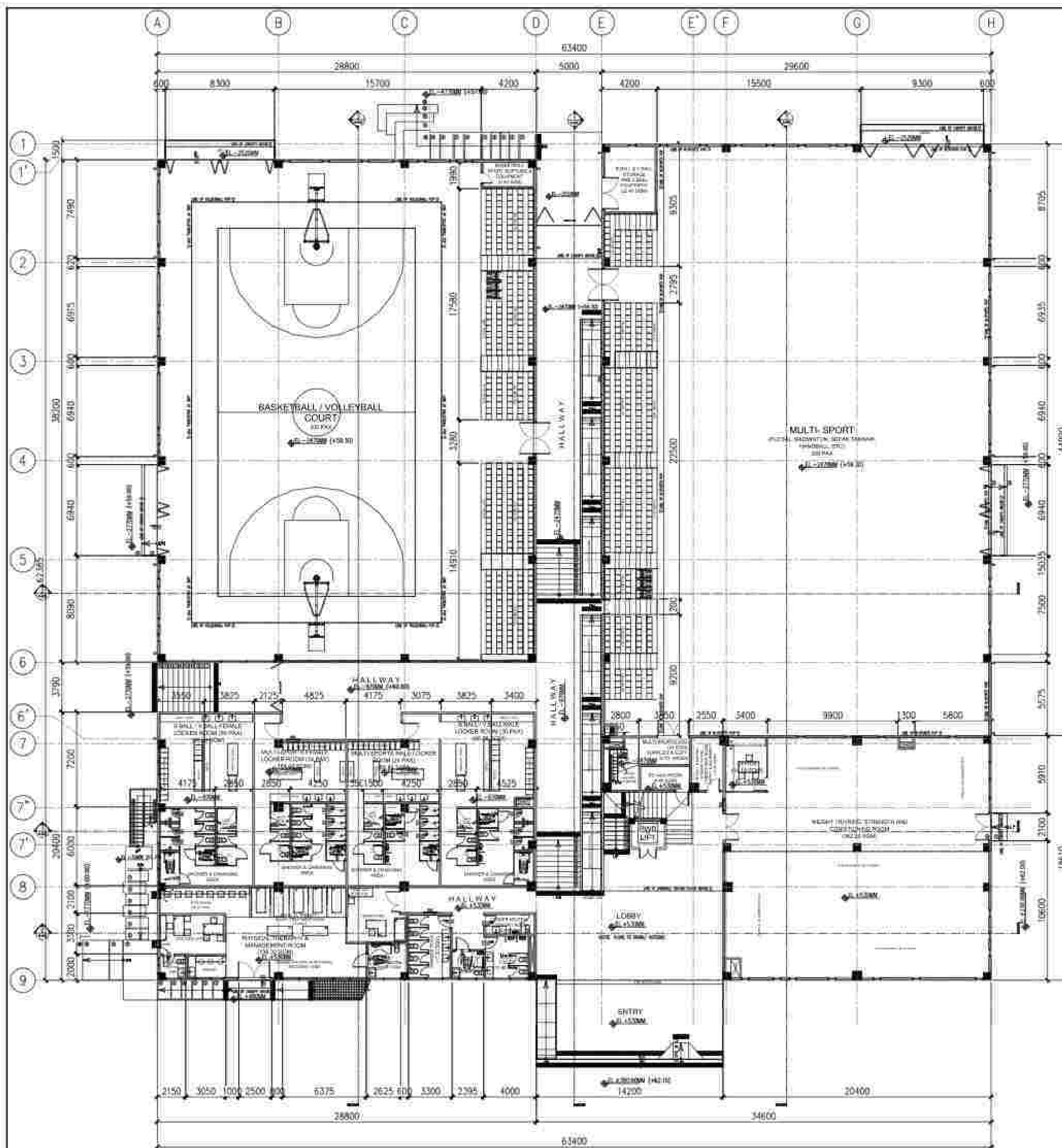
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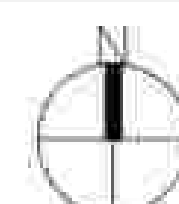
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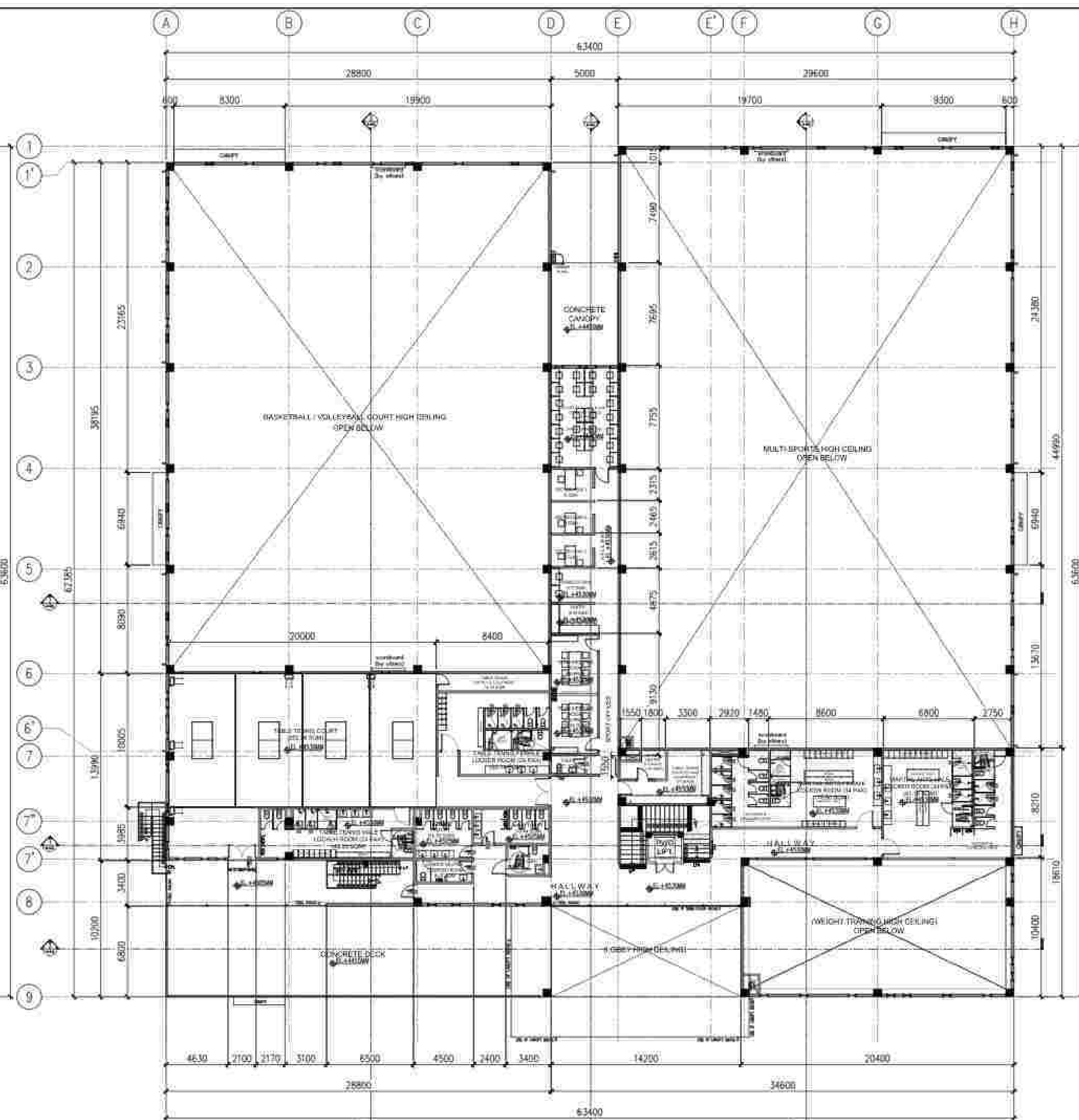
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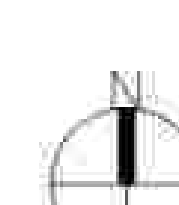
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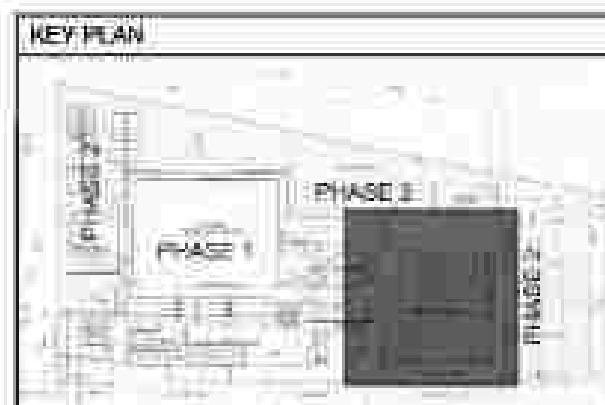
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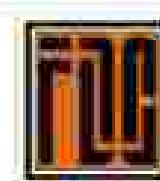
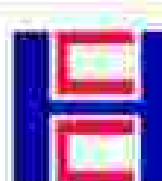


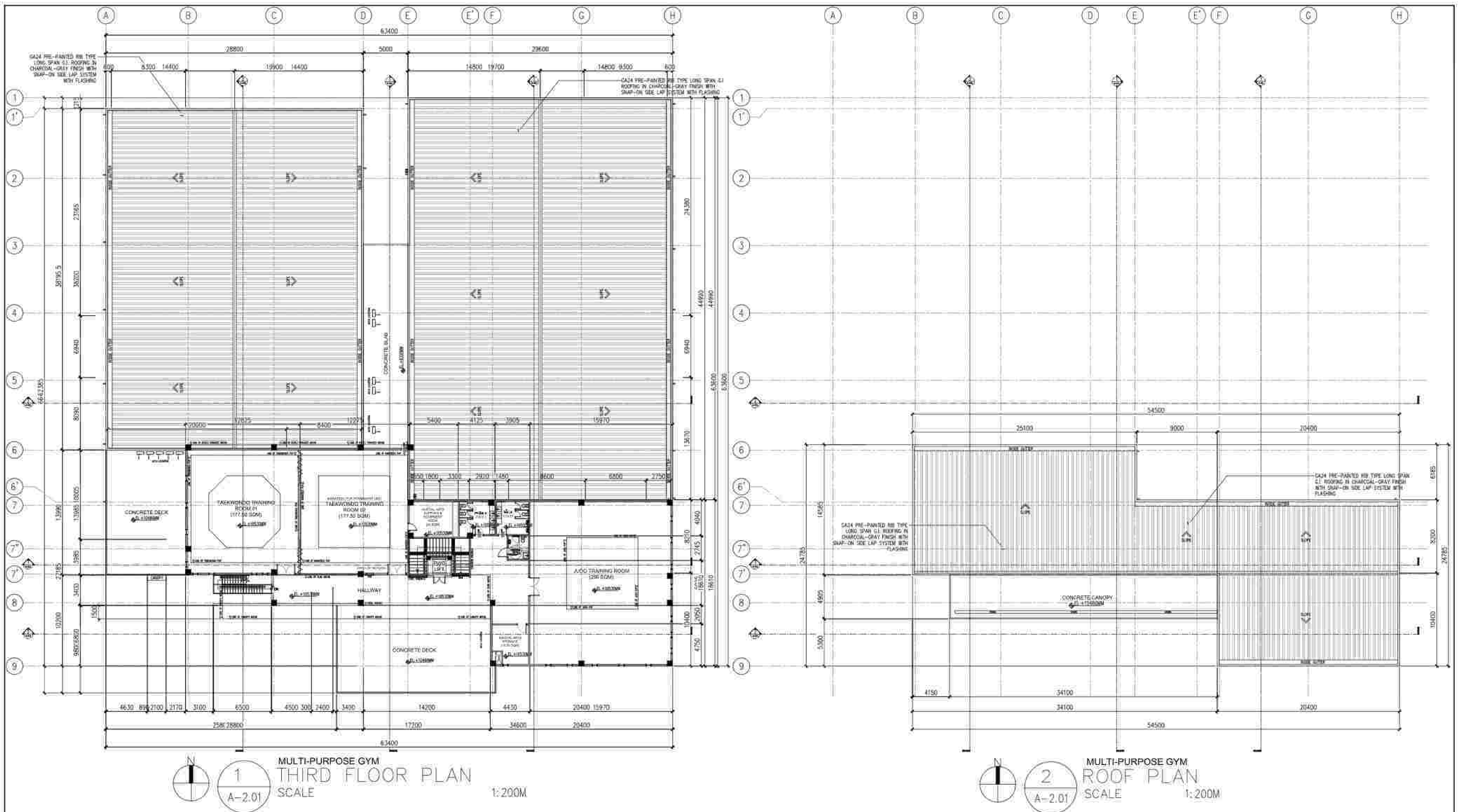

1
 MULTI-PURPOSE GYM
 GROUND FLOOR PLAN
 SCALE 1:200M

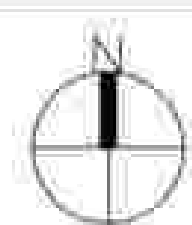



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 MULTI-PURPOSE GYM
 SECOND FLOOR PLAN
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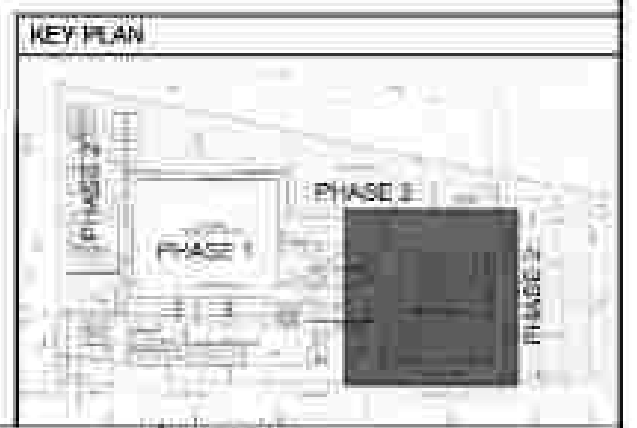


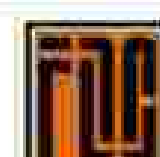
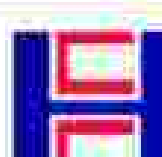
APPROVED BY:  RYAN S. GALURA IBC, SPMS	CHECKED BY:  JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	PREPARED BY:  JESUS V. HERGAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ARCHITECTURAL) LOCATION: NOC, MUNICIPALITY OF DAPAS, TARIAC	SHEET CONTENTS: GROUND FLOOR PLAN SECOND FLOOR PLAN SHEET NO.: A-2.00
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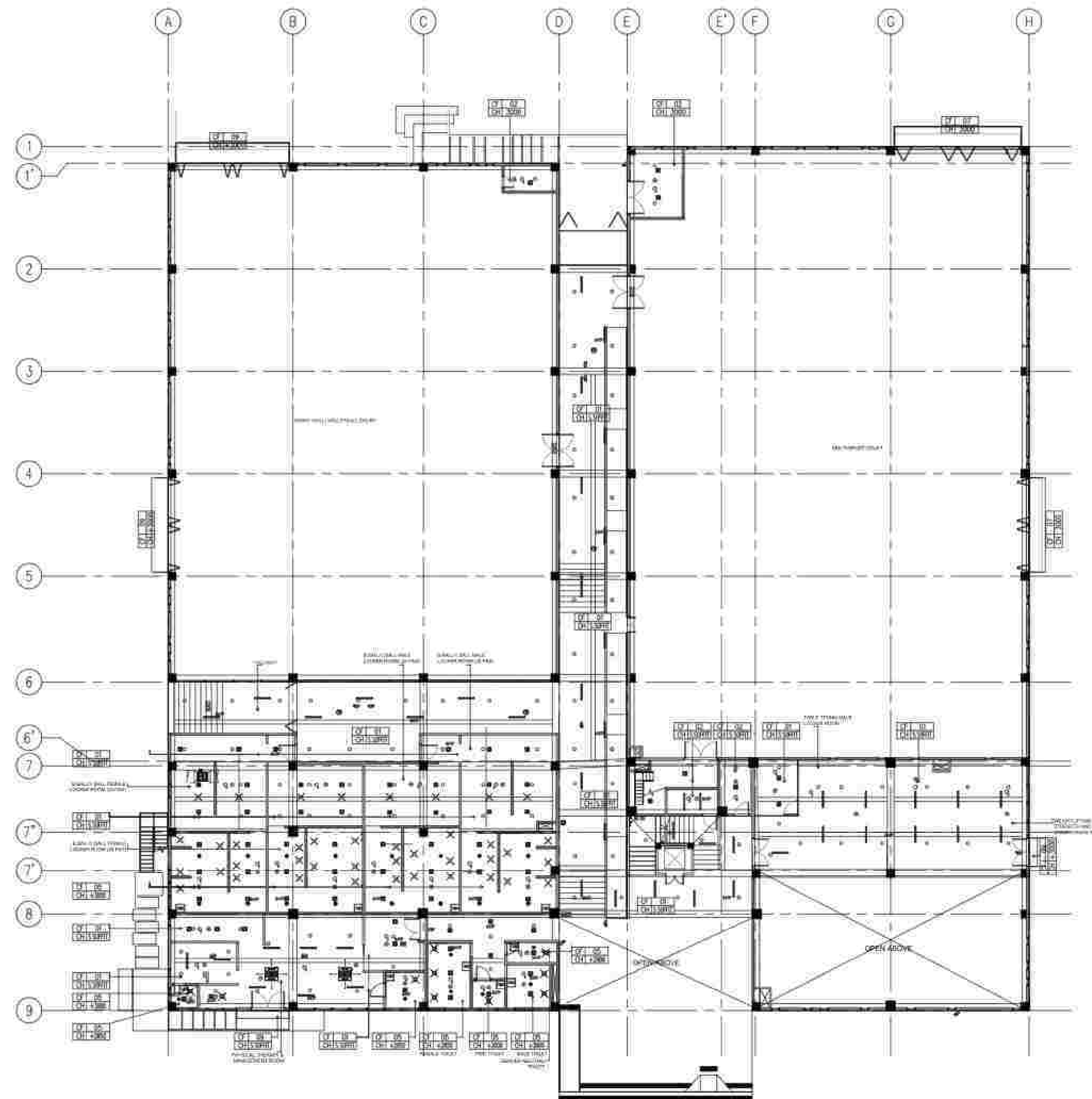



1
 MULTI-PURPOSE GYM
 THIRD FLOOR PLAN
 SCALE 1:200M


2
 MULTI-PURPOSE GYM
 ROOF PLAN
 SCALE 1:200M



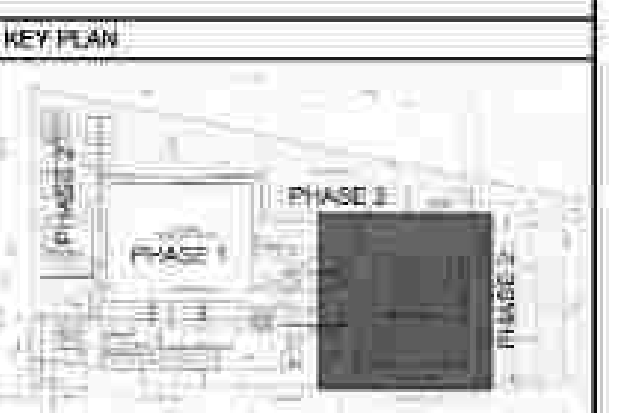
APPROVED BY:  RYAN S. GALURA IBC, SPMS	CHECKED BY:  FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOG PROJECT MANAGER	PREPARED BY:  HILMARC'S CONSTRUCTION CORPORATION 1831 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERGAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ARCHITECTURAL) LOCATION: NOC, MUNICIPALITY OF DAPAS, TARIAC	SHEET CONTENTS: THIRD FLOOR PLAN ROOF PLAN SHEET NO.: A-2.01
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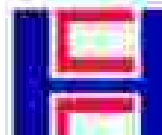


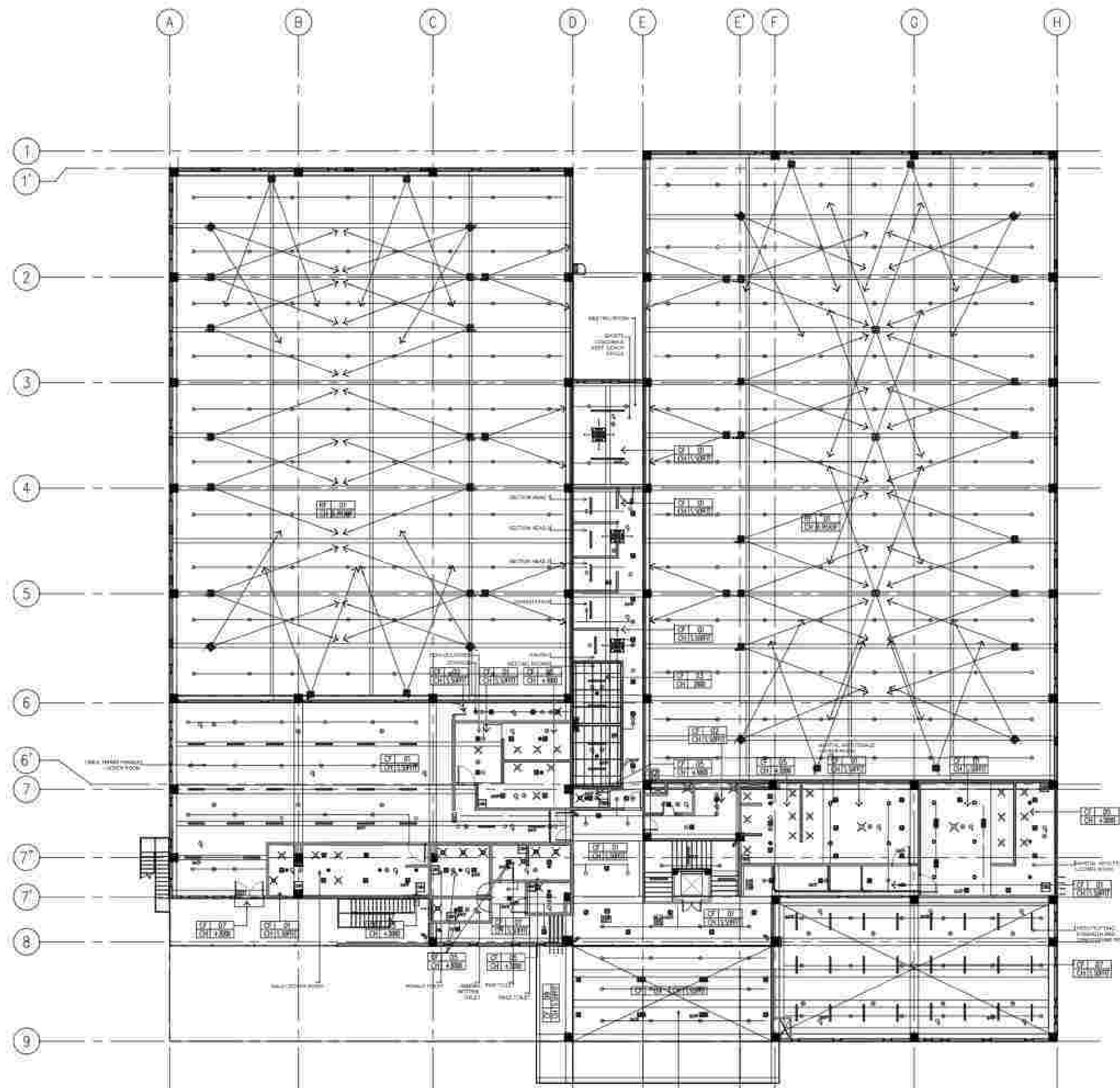
GROUND FLOOR - MULTIPURPOSE GYM
1 REFLECTED CEILING PLAN
A-2.02 SCALE 1:200M

LEGEND	
CEILING FINISHES	
01	ADHESIVE-BASED SKY COAT IN VENEZIAN FINISH
02	PLAIN CEMENT FINISH
03	600MM x 1200MM TEXTURED ACOUSTIC CEILING
04	1200MM x 2400MM x 1.5MM FIBER BOARD ON METAL FURRING IN RAL 9002 LAMBS-GRAY PAINT FINISH
05	1200MM x 2400MM x 12MM WOODEN RESISTANT GYPSUM BOARD ON METAL FURRING IN RAL 9002 LAMBS-GRAY PAINT FINISH
06	1200MM x 2400MM x 12MM ORDINARY GYPSUM BOARD ON METAL FURRING IN RAL 9002 LAMBS-GRAY PAINT FINISH
07	PLAIN CEMENT IN MATTE RAL 005-20-50 CHANGUOL-GRAY PAINT FINISH
08	PLAIN CEMENT IN MATTE RAL 100-70-30 AQUA-BLUE PAINT FINISH
09	PLAIN CEMENT IN MATTE RAL 065-70-30 TAUPE PAINT FINISH
10	EXPOSED TRUSSES IN RAL 085-70-20 TAUPE SPOXY PAINT FINISH AND 2LUG-FRAMING/ SUPPORT IN BLACK SPOXY PAINT FINISH WITH BLACK DOUBLE BUBBLE- DOUBLE FOIL INSULATION
11	EXPOSED TRUSSES AND SUB-TRAMING/ SUPPORT IN BLACK SPOXY PAINT FINISH WITH BLACK DOUBLE BUBBLE- DOUBLE FOIL INSULATION

SYMBOLS	
100MM THK. CMU IN APPROVED ARCHITECTURAL FINISH	
150MM THK. CMU IN APPROVED ARCHITECTURAL FINISH	
150MM THK. STYREFOAM IN APPROVED ARCHITECTURAL FINISH	
3.0 METER HIGH PARTITION WALL IN APPROVED ARCHITECTURAL FINISH	
REINFORCED CONCRETE WALL IN APPROVED ARCHITECTURAL FINISH	
SURFACE-MOUNTED WEATHERPROOF LED LIGHT	
RECESSED LED DOWNLIGHT, WARM WHITE	
SUSPENDED LED LINEAR LIGHT, WARM WHITE	
SURFACE-MOUNTED LED LINEAR LIGHT, WARM WHITE	
LED FLOOD LIGHT	
BATP LIGHTING FIXTURE W/ BATTERY PACK	
CASSETTE TYPE ACOUSTIC	
EXHAUST AIR GRILLE DIFFUSER	
EXHAUST CEILING-MOUNTED	
VENT CAP ON WALL	
CEILING FAN	
SPRINKLER HEAD (PENDENT)	
SPRINKLER HEAD (UPRIGHT)	
SPRINKLER HEAD (UNDERDUT, BEAM, ETC)	
SHEN	
EXIT SIGNAGE	
SPEAKER 01	
SMOKE DETECTOR	
SPEAKER 02	
WIRELESS ACCESS POINT	
CCTV	



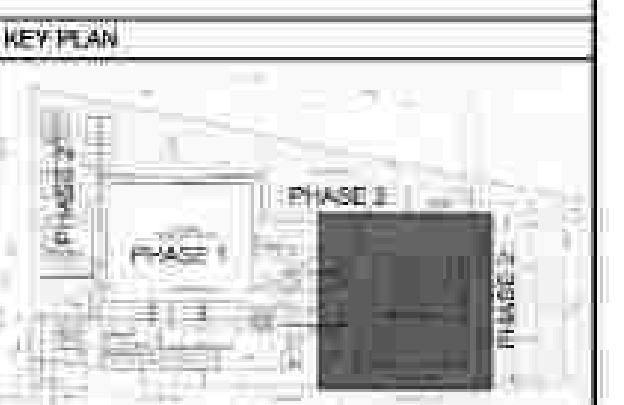
APPROVED BY:  Ryan S. Galura IAC, SPMS	AND:  Josephine Joy Reyes Executive Director	CHECKED BY:  Filipinas Dravo Corporation Consulting Engineering & Architectural Services Salvador D. Paulsac Project Manager	PREPARED BY:  Hilmarc's Construction Corporation 1031 E. Rodriguez Sr. Avenue, Cubao, Quezon City Tel. No. 854-3811 Jesus V. Herbas Project Manager	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ARCHITECTURAL) LOCATION: NOC, MUNICIPALITY OF DAPAS, TARIAC	SHEET CONTENTS: GROUND FLOOR-REFLECTED CEILING PLAN	SHEET NO.: A-2.02
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SECOND FLOOR - MULTI-PURPOSE GYM
1
 REFLECTED CEILING PLAN
 SCALE
 1:200M

LEGEND	
CEILING FINISHES	
CEILING 01	ACRYLIC-BASED SKY COAT IN VENEZIAN FINISH
CEILING 02	PLAIN CEMENT FINISH
CEILING 03	600MM x 1200MM TEXTURED ACOUSTIC CEILING
CEILING 04	1200MM x 2400MM x 1.5MM FIBER BOARD ON METAL FLOORING IN RAL 9002 LARAB-GRAY PAINT FINISH
CEILING 05	1200MM x 2400MM x 12MM MIXTURE, RESISTANT Gypsum BOARD ON METAL FLOORING IN RAL 9002 LARAB-GRAY PAINT FINISH
CEILING 06	1200MM x 2400MM x 12MM ORDINARY Gypsum BOARD ON METAL FLOORING IN RAL 9002 LARAB-GRAY PAINT FINISH
CEILING 07	PLAIN CEMENT IN MATTE RAL 005-20-30 CHANGUAL-GRAY PAINT FINISH
CEILING 08	PLAIN CEMENT IN MATTE RAL 100-70-30 AQUA-BLUE PAINT FINISH
CEILING 09	PLAIN CEMENT IN MATTE RAL 065-70-30 TAPE PAINT FINISH
CEILING 10	EXPOSED TRUSSES IN RAL 085-70-20 TAPE (SPRAY PAINT FINISH AND SUB-FRAMING) SUPPORT IN BLACK EPDM PAINT FINISH WITH BLACK DOUBLE BUBBLE- DOUBLE POLY INSULATION
CEILING 11	EXPOSED TRUSSES AND SUB-FRAMING/ SUPPORT IN BLACK EPDM PAINT FINISH WITH BLACK DOUBLE BUBBLE- DOUBLE POLY INSULATION

SYMBOLS	
	300MM THK. CMU IN APPROVED ARCHITECTURAL FINISH
	150MM THK. CMU IN APPROVED ARCHITECTURAL FINISH
	150MM THK. STYRABEAM IN APPROVED ARCHITECTURAL FINISH
	3.0 METER HIGH PARTITION WALL IN APPROVED ARCHITECTURAL FINISH
	REINFORCED CONCRETE WALL IN APPROVED ARCHITECTURAL FINISH
	SURFACE-MOUNTED WEATHERPROOF LED LIGHT
	SURFACE-MOUNTED LED DOWNLIGHT, WARM WHITE
	RECESSED LED DOWNLIGHT, WARM WHITE
	SUSPENDED LED LINEAR LIGHT, WARM WHITE
	SURFACE-MOUNTED LED LINEAR LIGHT, WARM WHITE
	LED FLOOD LIGHT
	BATP LIGHTING FIXTURE W/ BATTERY PACK
	CASSETTE TYPE AIRCON
	EXHAUST AIR GRILLE DIFFUSER
	EXHAUST CEILING-MOUNTED
	VENT CAP ON WALL
	CEILING FAN
	SPRINKLER HEAD (PENDENT)
	SPRINKLER HEAD (UPRIGHT)
	SPRINKLER HEAD (UNDERDUCT, BEAM, ETC.)
	GREEN
	EXIT SIGNAGE
	SPEAKER 01
	SMOKE DETECTOR
	SPEAKER 02
	SPEAKER 03
	WIRELESS ACCESS POINT
	CCTV

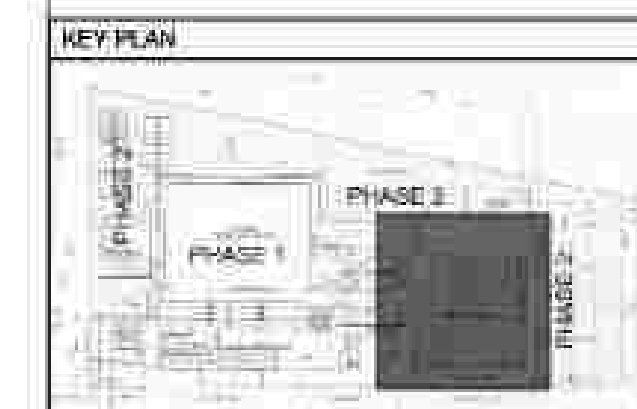


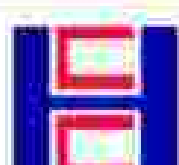


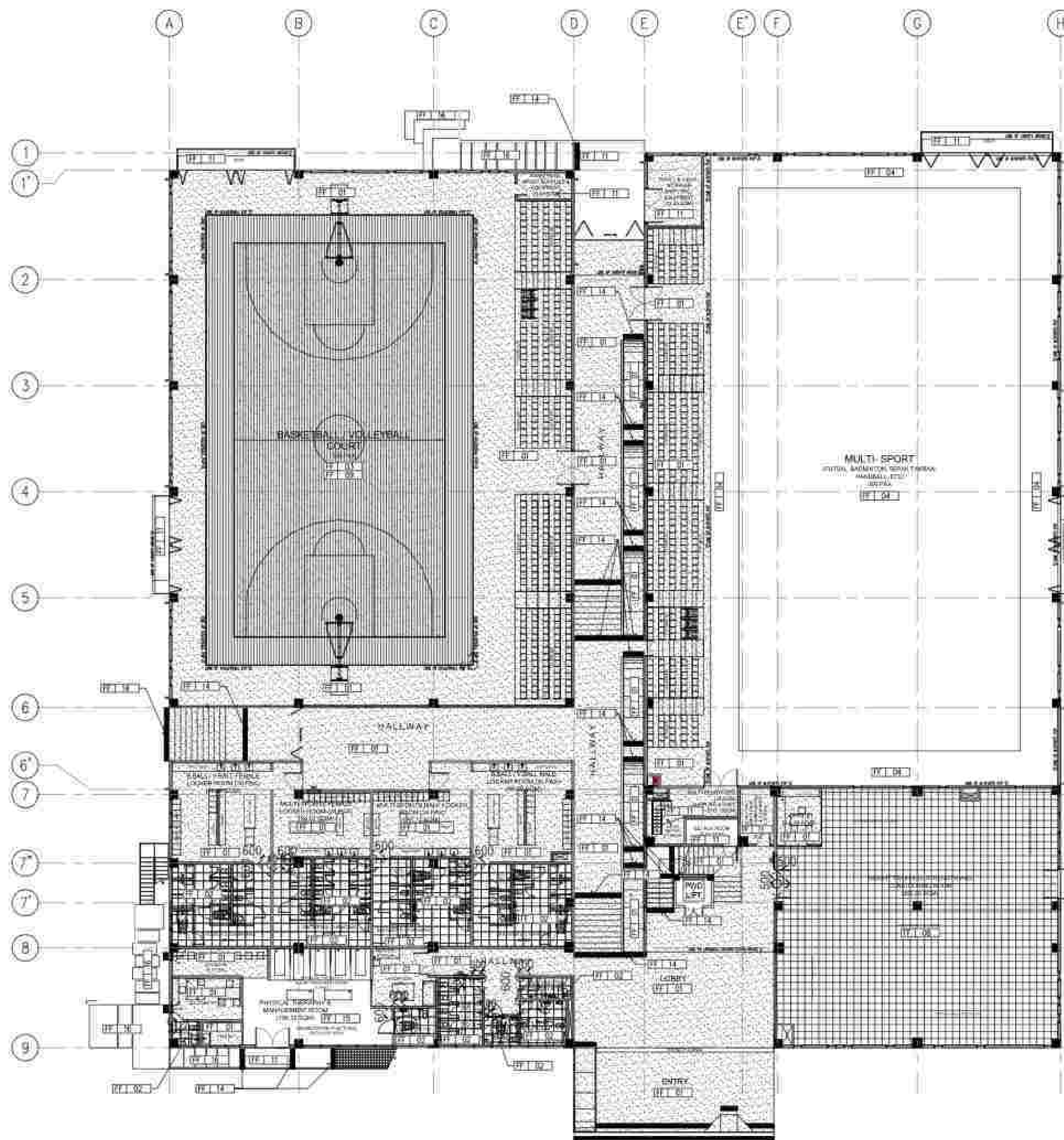
THIRD FLOOR - MULTI-PURPOSE GYM
1 REFLECTED CEILING PLAN
A-2.04 SCALE 1:200M

LEGEND	
CEILING FINISHES	
CEILING	ADHESIVE-BASED GYM COAT IN VENEZIAN FINISH
CEILING	PLAIN CEMENT FINISH
CEILING	600MM x 1200MM TEXTURED ACOUSTIC CEILING
CEILING	1200MM x 2400MM x 1.5MM FIBER BOARD ON METAL FURRING IN RAL 9002 LARAB-GRAY PAINT FINISH
CEILING	1200MM x 2400MM x 12MM MIXTURE, RESISTANT GYPSUM BOARD ON METAL FURRING IN RAL 9002 LARAB-GRAY PAINT FINISH
CEILING	1200MM x 2400MM x 12MM ORDINARY GYPSUM BOARD ON METAL FURRING IN RAL 9002 LARAB-GRAY PAINT FINISH
CEILING	PLAIN CEMENT IN MATTE RAL 005-20-50 CHANGUL-GRAY PAINT FINISH
CEILING	PLAIN CEMENT IN MATTE RAL 100-70-30 AQUA-BLUE PAINT FINISH
CEILING	PLAIN CEMENT IN MATTE RAL 065-70-30 TAPE PAINT FINISH
CEILING	EXPOSED TRUSSES IN RAL 085-70-20 TAPE (SPRAY PAINT FINISH AND SLAB-FRAMING) SUPPORT IN BLACK EPDM PAINT FINISH WITH BLACK DOUBLE RUBBER- DOUBLE FOR INSULATION
CEILING	EXPOSED TRUSSES AND SUB-TRAMING SUPPORT IN BLACK EPDM PAINT FINISH WITH BLACK DOUBLE RUBBER- DOUBLE FOR INSULATION

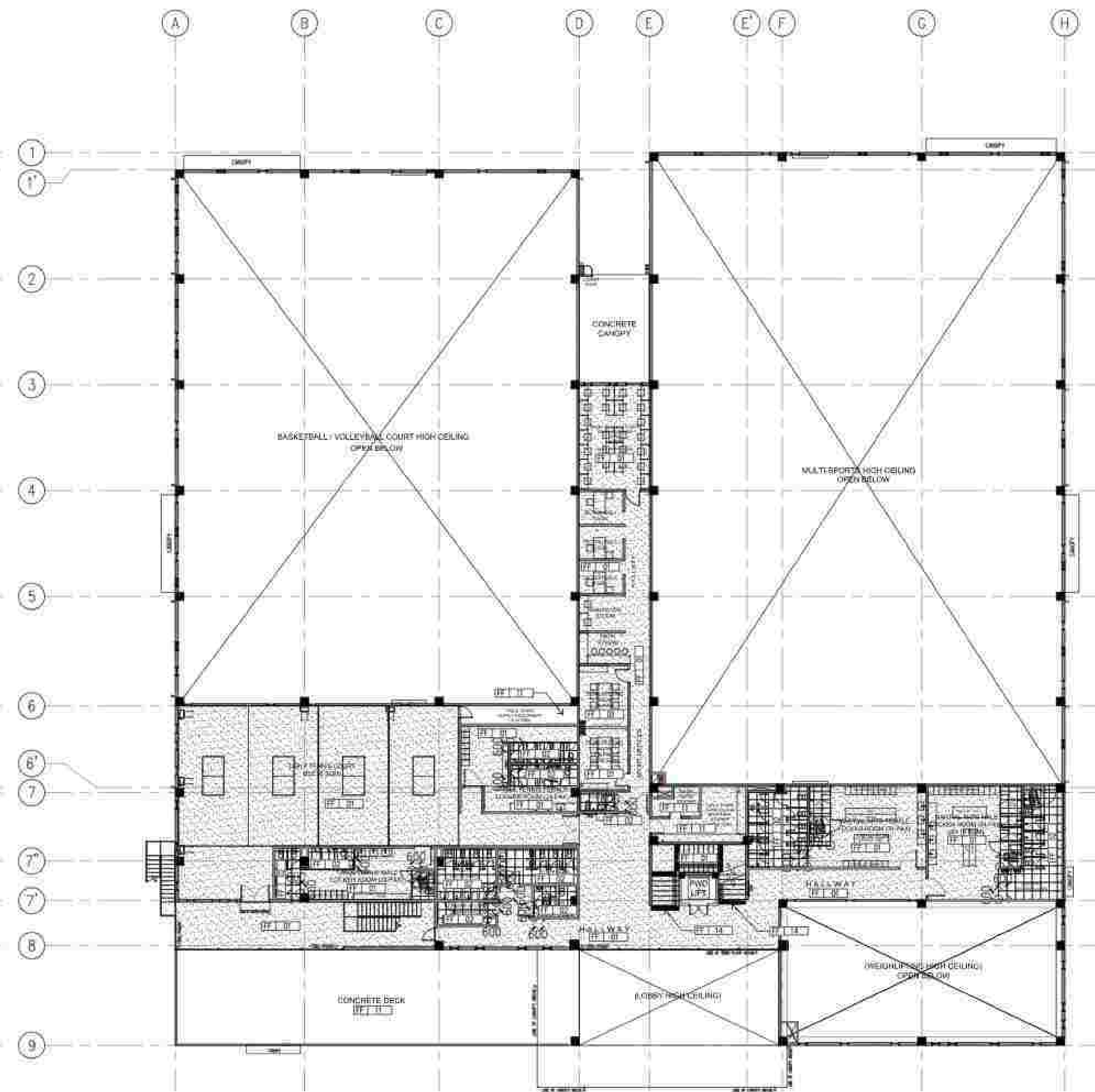
SYMBOLS	
300MM THK. CMU IN APPROVED ARCHITECTURAL FINISH	
150MM THK. CMU IN APPROVED ARCHITECTURAL FINISH	
150MM THK. STYRENE IN APPROVED ARCHITECTURAL FINISH	
3.0 METER HIGH PARTITION WALL IN APPROVED ARCHITECTURAL FINISH	
REINFORCED CONCRETE WALL IN APPROVED ARCHITECTURAL FINISH	
SURFACE-MOUNTED WEATHERPROOF LED LIGHT	
RECESSED LED DOWNLIGHT, WARM WHITE	
SUSPENDED LED LINEAR LIGHT, WARM WHITE	
SURFACE-MOUNTED LED LINEAR LIGHT, WARM WHITE	
LED FLOOD LIGHT	
BATP LIGHTING FIXTURE W/ BATTERY PACK	
CASSETTE TYPE A/C UNIT	
EXHAUST AIR GRILLE DIFFUSER	
EXHAUST CEILING-MOUNTED	
VENT CAP ON WALL	
CEILING FAN	
SPRINKLER HEAD (PENDENT)	
SPRINKLER HEAD (UPRIGHT)	
SPRINKLER HEAD (UNDERDUT, BEAM, ETC)	
GREEN	
EXIT SIGN	
EXIT SIGNAGE	
SPEAKER 01	
SMOKE DETECTOR	
SPEAKER 02	
WIRELESS ACCESS POINT	
CCTV	



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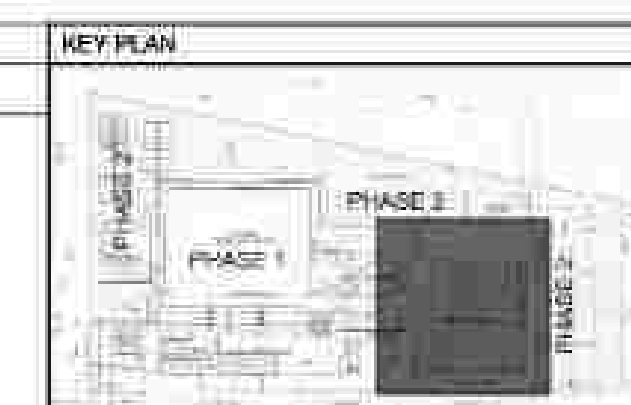


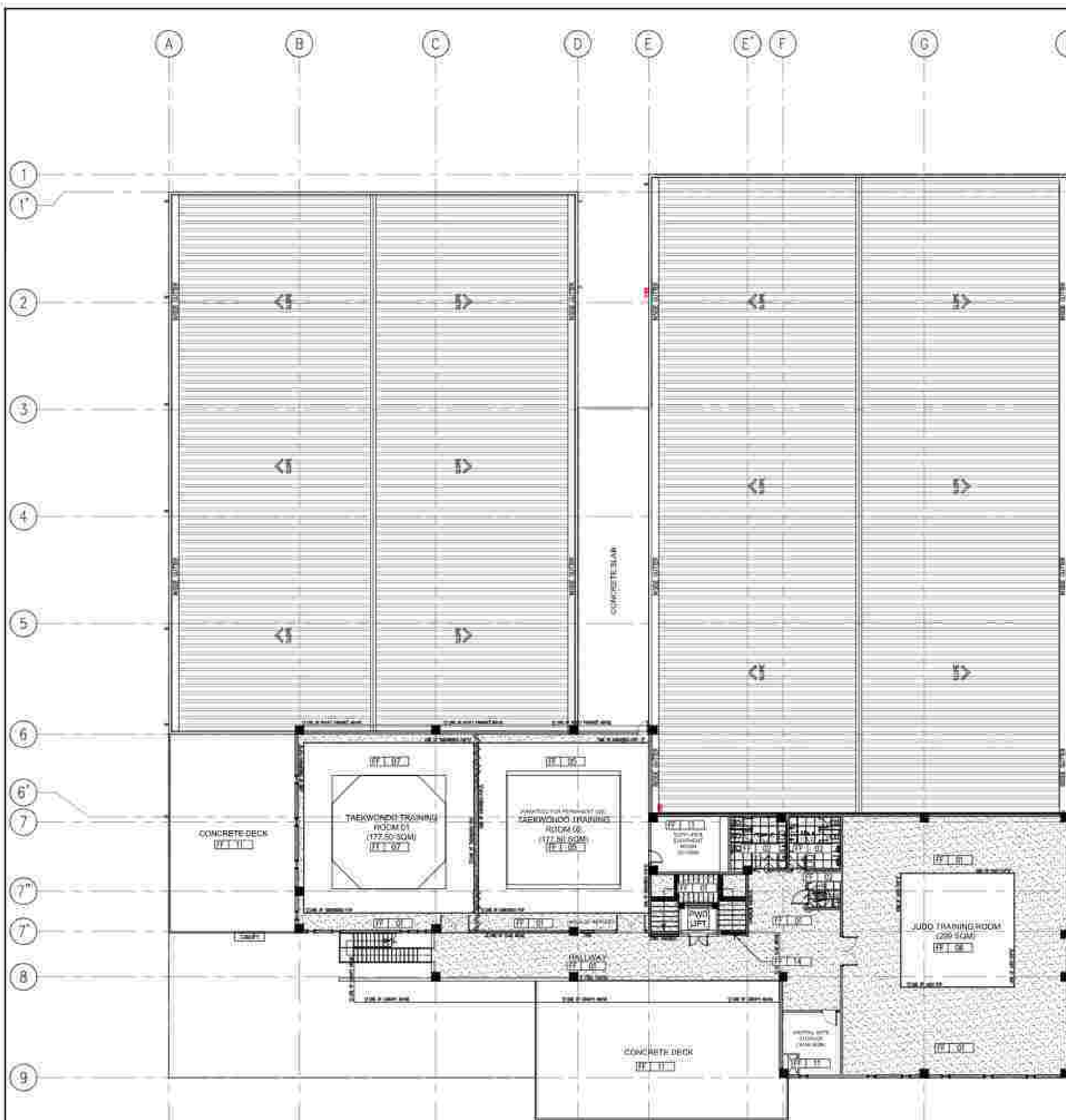
1 FLOOR PATTERN LAYOUT
A-2.05 SCALE
1:200M



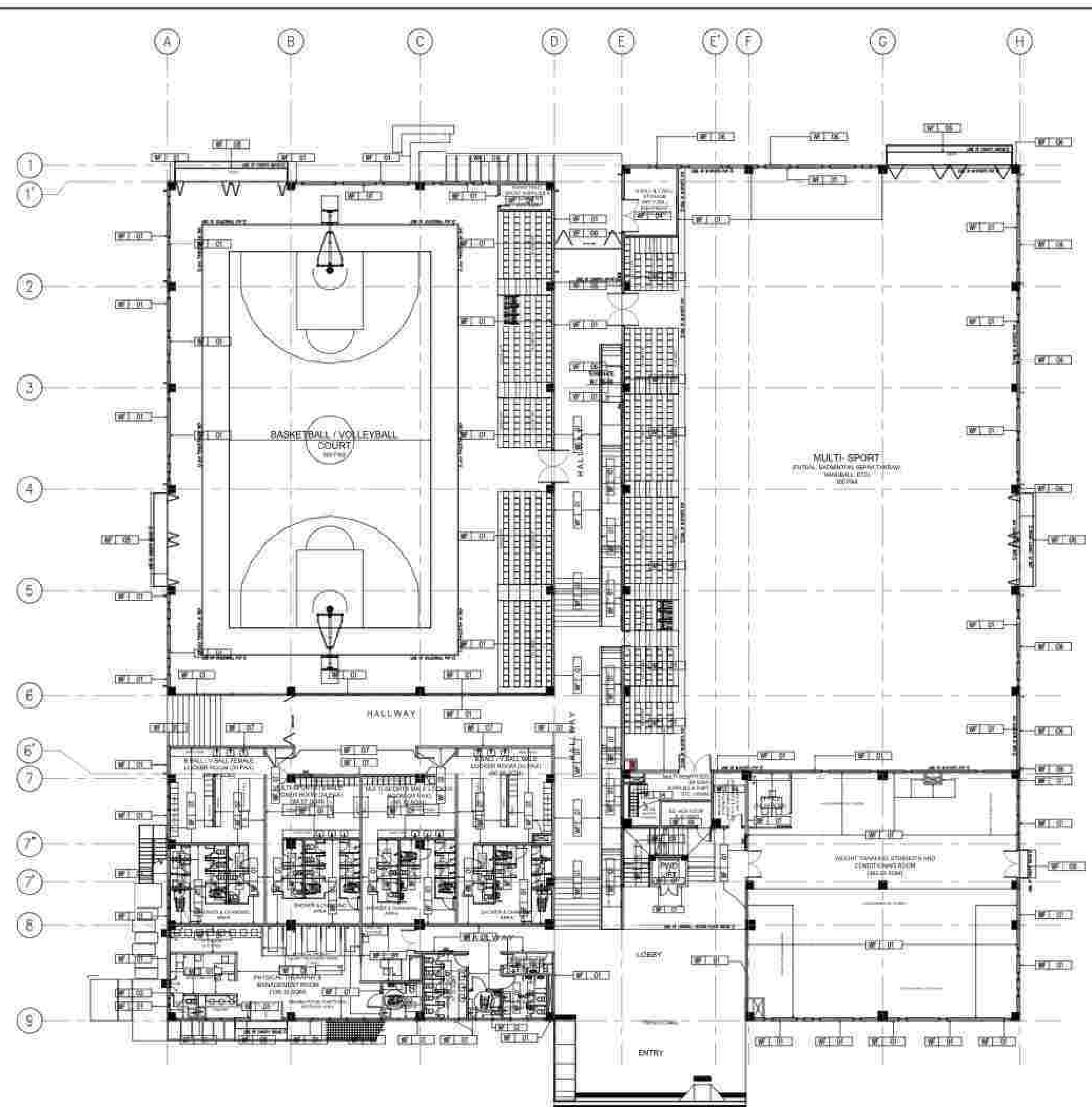
2 FLOOR PATTERN LAYOUT
A-2.05 SCALE
1:200M

LEGEND			
FLOOR FINISHES			
FF-01	STRAIGHT TO FINISH CONCRETE WITH SEALER	FF-11	STRAIGHT TO FINISH CONCRETE
FF-02	600MM x 400MM x 10MM NON-SLIP CERAMIC TILE IN LIGHT GRAY WHITE FINISH	FF-12	200MM x 300MM CONCRETE TACILE DIRECTIONAL PAVING
FF-03	1000MM x 1000MM x 20MM THK. HIGH RESILIENT HPS FOAM THERMOFLEX MAT	FF-13	7.5MM THK. PVC FLOORING W/ ANTI-BACTERIA PROTECTIVE TREATMENT
FF-04	1000MM x 1000MM x 20MM THK. HIGH RESILIENT HPS FOAM THERMOFLEX MAT	FF-14	STRAIGHT TO FINISH CONCRETE PAD
FF-05	1000MM x 1000MM x 20MM THK. AND-SLIP KARIATE MAT IN RED AND BLUE COLORS		
FF-06	1000MM x 1000MM x 20MM THK. AND-SLIP KARIATE MAT IN RED AND BLUE COLORS		
FF-07	1000MM x 1000MM x 20MM THK. AND-SLIP KARIATE MAT IN RED AND BLUE COLORS		
FF-08	1000MM x 1000MM x 20MM THK. AND-SLIP KARIATE MAT IN RED AND BLUE COLORS		
FF-09	1000MM x 1000MM x 20MM THK. AND-SLIP KARIATE MAT IN RED AND BLUE COLORS		
FF-10	1000MM x 1000MM x 20MM THK. AND-SLIP KARIATE MAT IN RED AND BLUE COLORS		





1 FLOOR PATTERN LAYOUT
SCALE 1:200M



2 WALL SETTING PLAN
SCALE 1:200M

LEGEND

FLOOR FINISHES

FF-01	STRAIGHT TO FINISH CONCRETE WITH SEALER
FF-02	600MM x 600MM x 10MM NON-SKID CERAMIC TILE IN LIGHT GRAY MATTE FINISH
FF-03	800MM x 800MM x 10MM CERAMIC TILE IN LIGHT GRAY MATTE FINISH
FF-04	1000MM x 1000MM x 20MM THK. HIGH RESISTENT IPE FOAM TAPEWOOD MAT
FF-05	300MM x 300MM x 30MM THK. HIGH DENSITY RUBBER TILE FLOORING
FF-06	REMOVABLE 1000MM THK. HIGH PERFORMANCE VINYL IN MATTE FINISH (VOLLEYBALL)
FF-07	1000MM x 1000MM x 30MM THK. ANTI-SLIP KARATE MAT IN RED AND BLUE COLORS
FF-08	RUBBER FLOORING UNDERLAYER (800MM THK. ANTI-SLIP JUDO MAT IN RED AND BLUE COLORS)
FF-09	1000MM x 1000MM x 20MM THK. HIGH RESISTENT IPE FOAM TAPEWOOD MAT
FF-10	300MM x 300MM x 30MM THK. HIGH DENSITY RUBBER TILE FLOORING
FF-11	REMOVABLE 1000MM THK. HIGH PERFORMANCE VINYL IN MATTE FINISH (VOLLEYBALL)
FF-12	1000MM x 1000MM x 30MM THK. ANTI-SLIP KARATE MAT IN RED AND BLUE COLORS

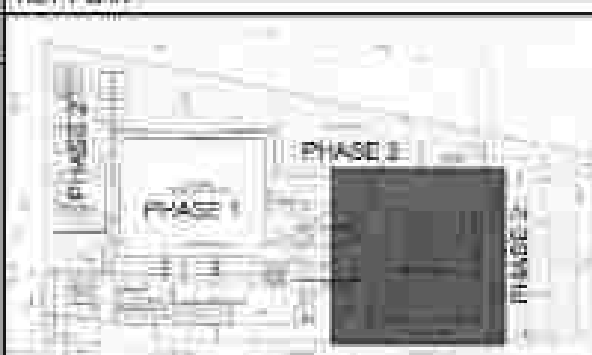
FF-13	STRAIGHT TO FINISH CONCRETE
FF-14	200MM x 200MM CONCRETE FACILE: DIRECTIONAL PAVER
FF-15	7.5MM THK. PVC FLOORING W/ ANTI-BACTERIA PROTECTIVE TREATMENT
FF-16	STRAIGHT TO FINISH CONCRETE PAD

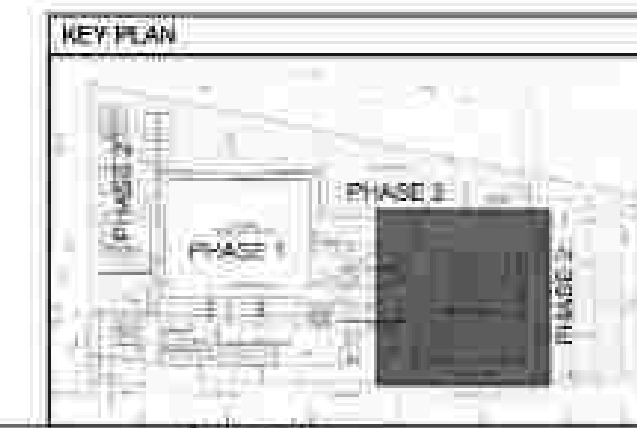
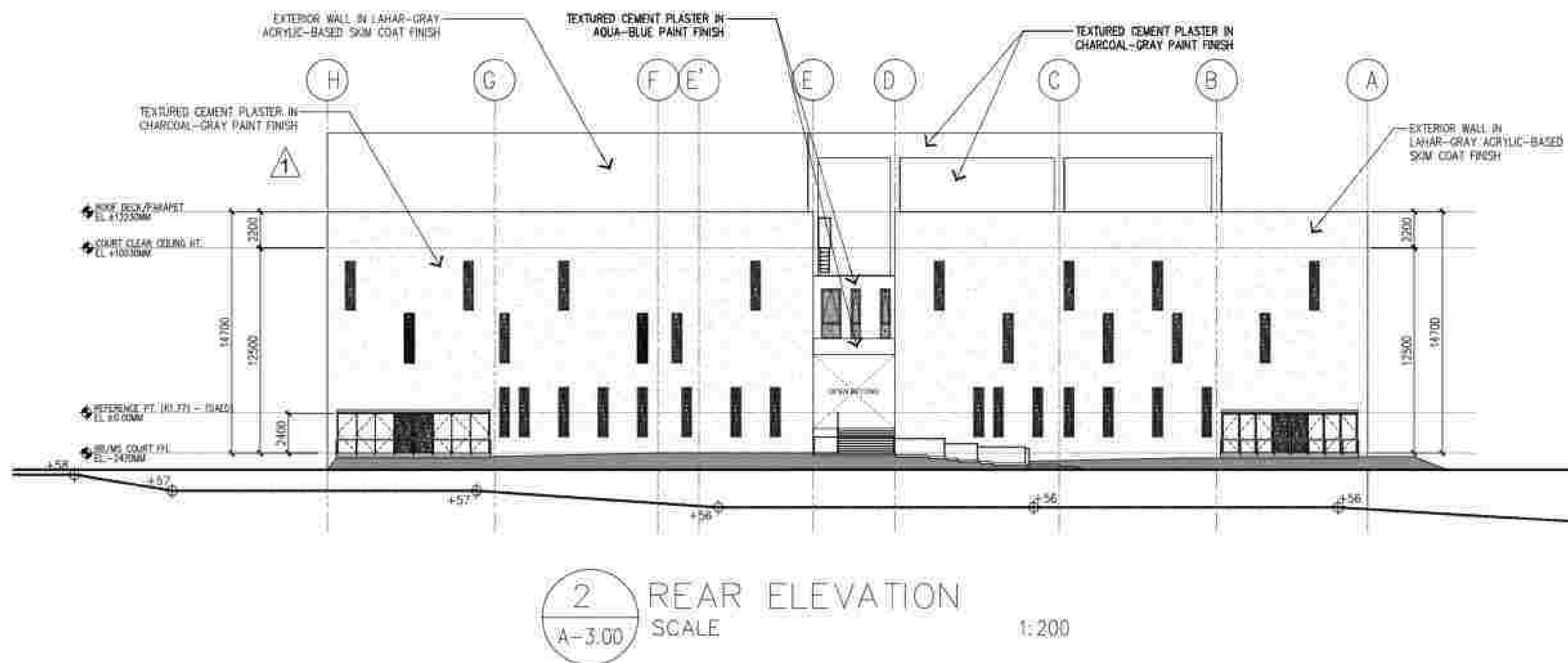
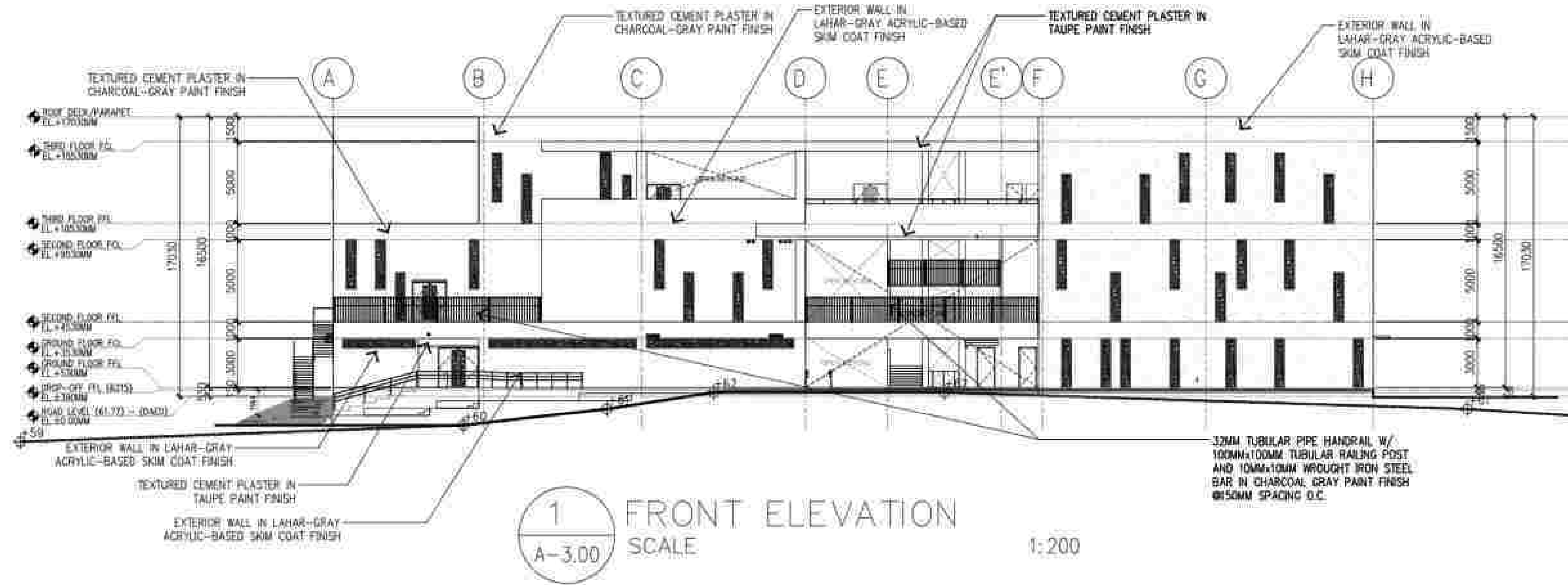
FF-17	STRAIGHT TO FINISH CONCRETE
FF-18	200MM x 200MM CONCRETE FACILE: DIRECTIONAL PAVER
FF-19	7.5MM THK. PVC FLOORING W/ ANTI-BACTERIA PROTECTIVE TREATMENT
FF-20	STRAIGHT TO FINISH CONCRETE PAD

WALL FINISHES

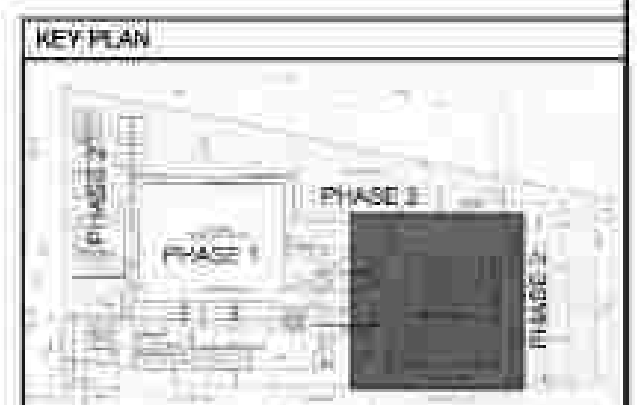
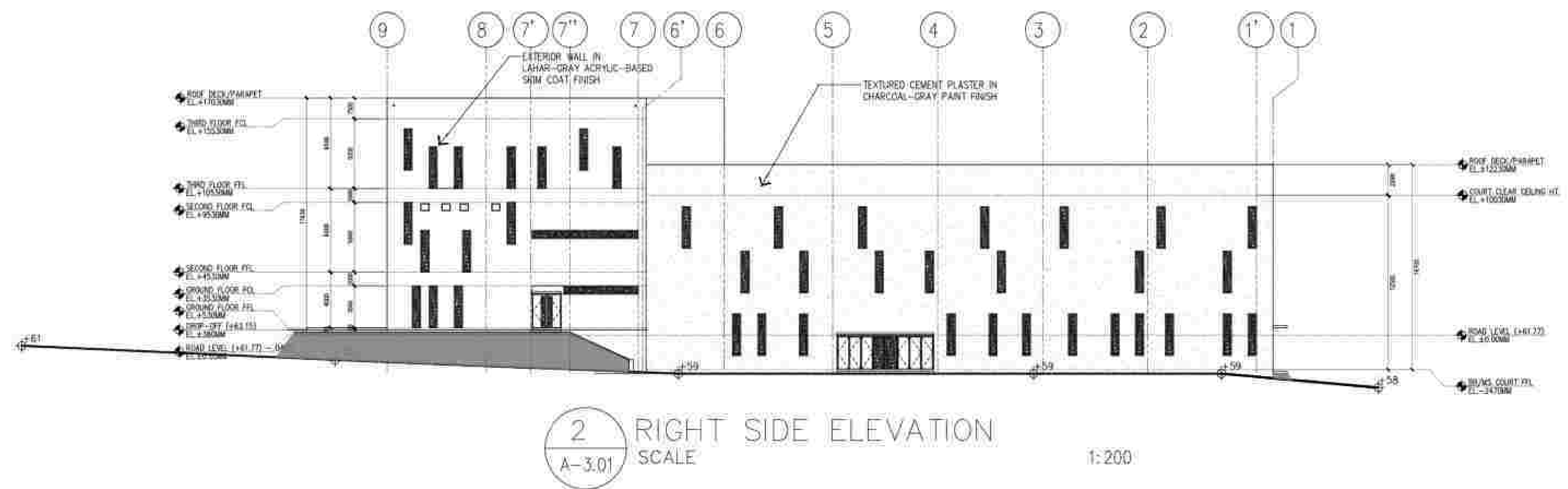
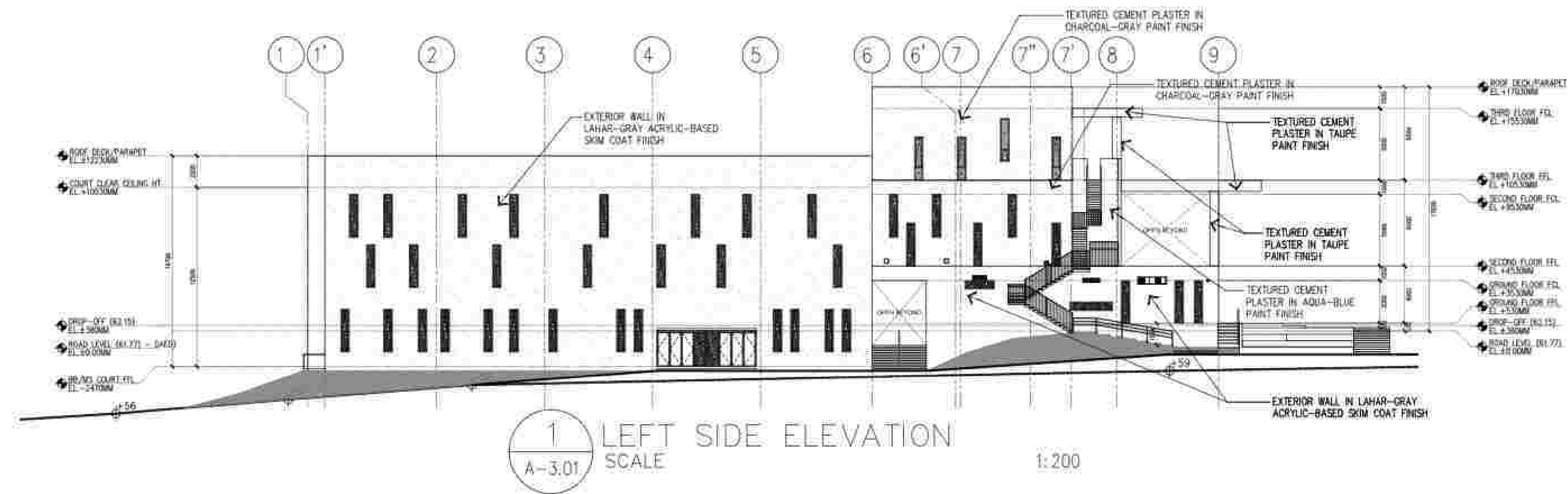
WF-01	LIGHT-GRAY ACRYLIC-BASED SKIN COAT IN GENERAL FINISH
WF-02	800MM x 800MM x 10MM CERAMIC TILE IN LIGHT GRAY MATTE FINISH
WF-03	CLEAR TEMPERED GLASS (INTERIOR)
WF-04	PLAIN CEMENT FINISH
WF-05	CLEAR TEMPERED GLASS (EXTERIOR)
WF-06	TEXTURED CEMENT PLASTER IN MATTE RAL 900-30-60 CHAMOIS-GRAY PAINT FINISH
WF-07	TEXTURED CEMENT PLASTER IN MATTE RAL 100-10-10 AQUA-BLUE PAINT FINISH
WF-08	TEXTURED CEMENT PLASTER IN MATTE RAL 005-20-20 TAUPE PAINT FINISH

KEY PLAN

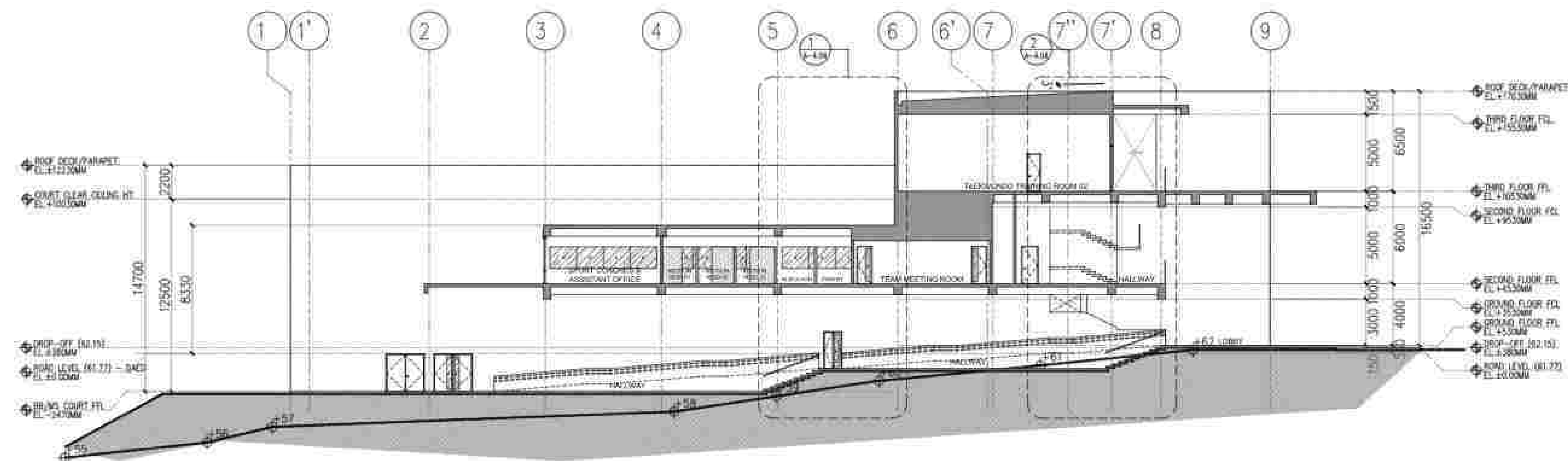




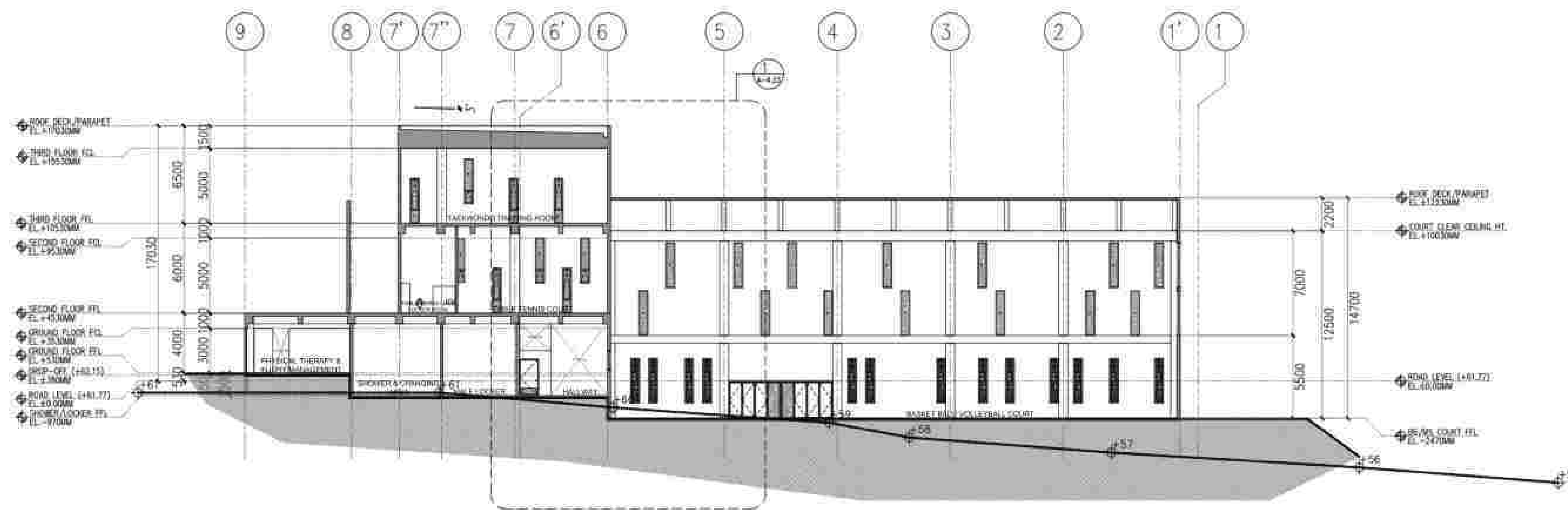
APPROVED BY: BCDA Bases Conversion and Development Authority RYAN S. GALURA INC. 0940	CHECKED BY: FILIPINAS DRAGO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOG PROJECT MANAGER	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERDAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ARCHITECTURAL) LOCATION: NOC, MUNICIPALITY OF DAPAS, TARIAC	SHEET CONTENTS: FRONT ELEVATION REAR ELEVATION	SHEET NO.: A-3.00
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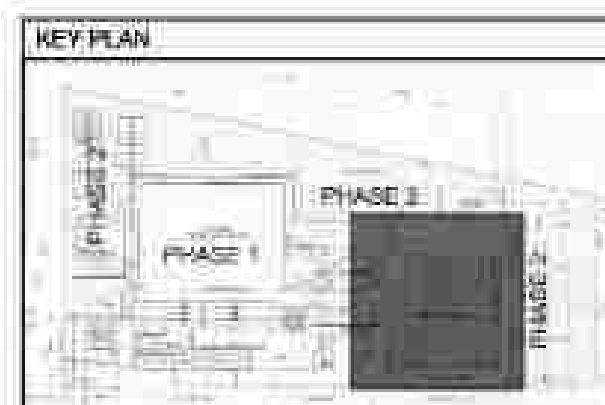
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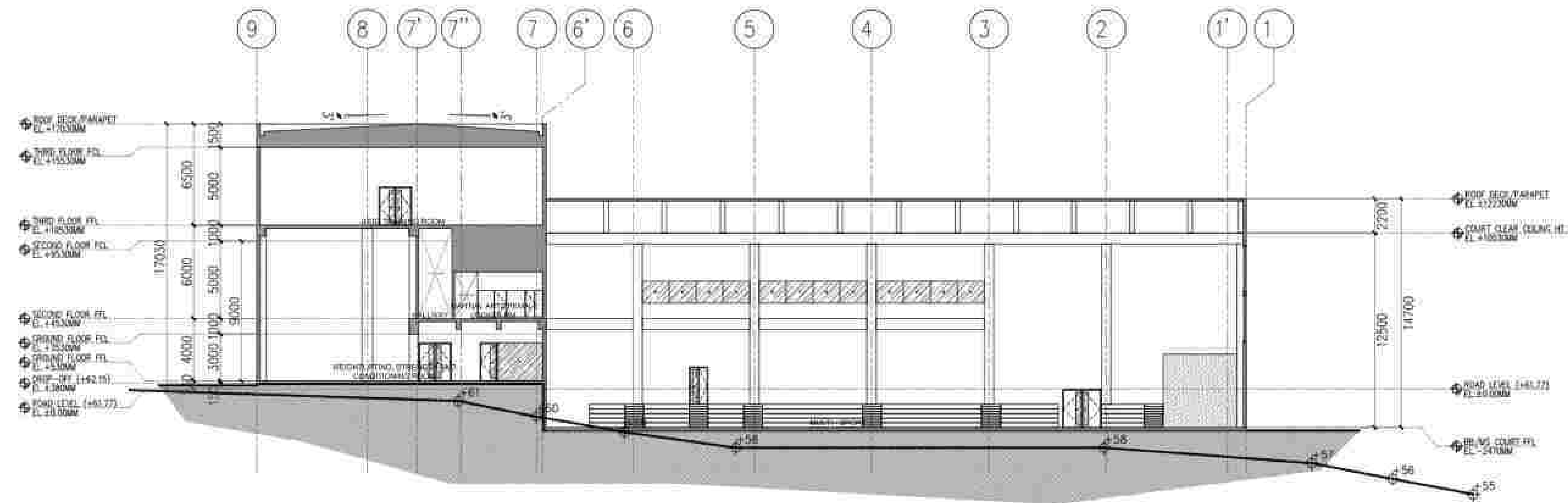
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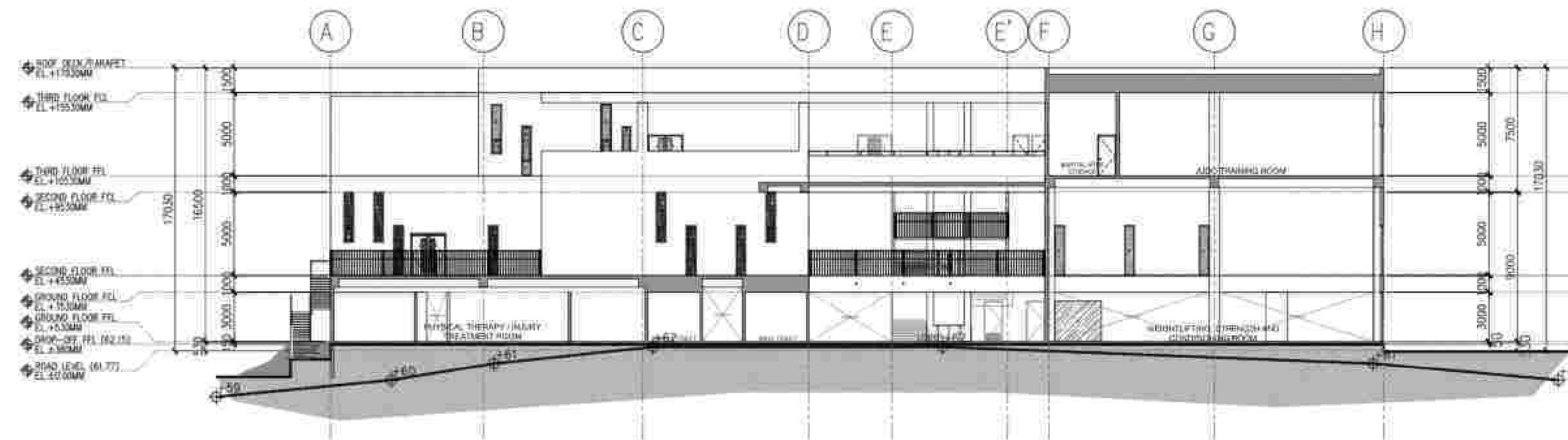
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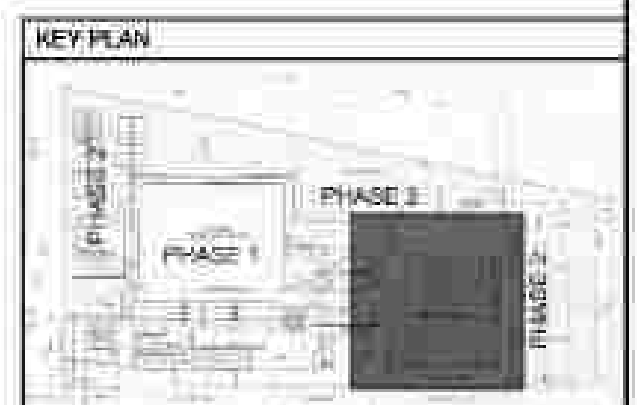
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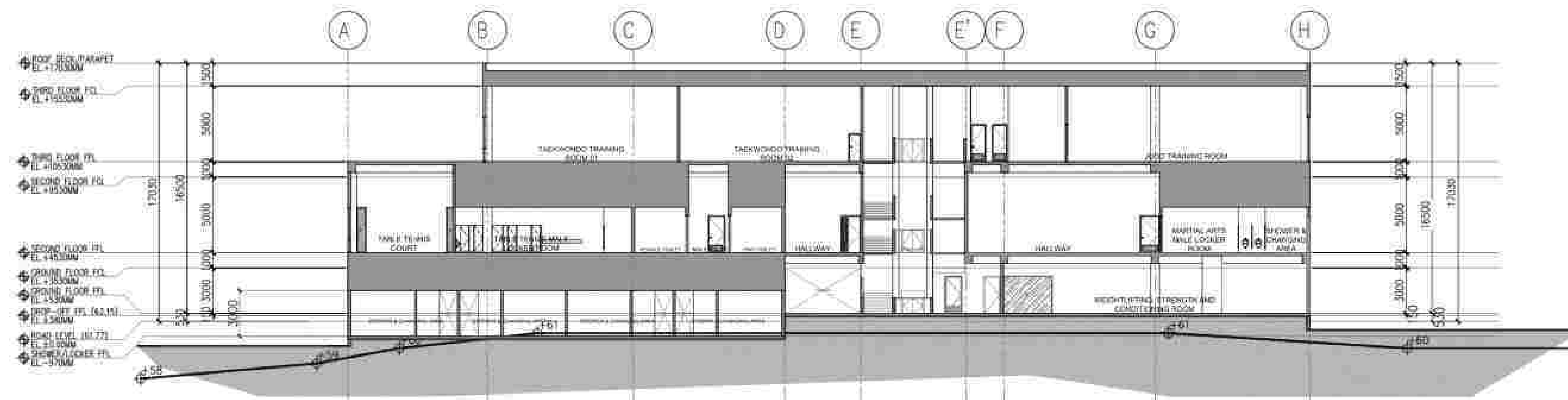
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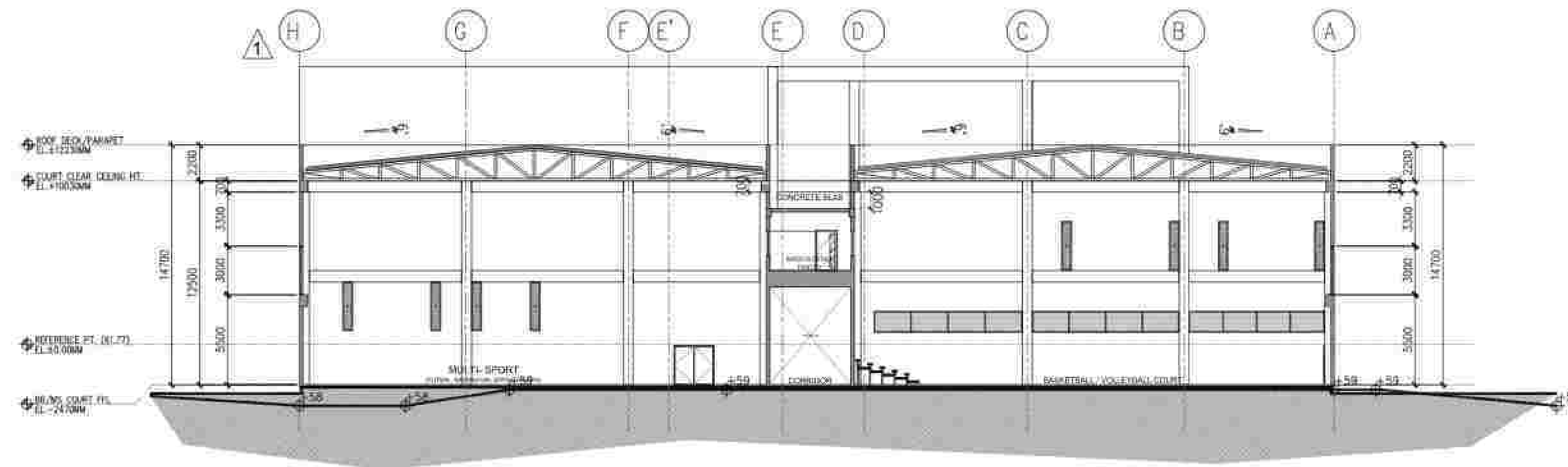
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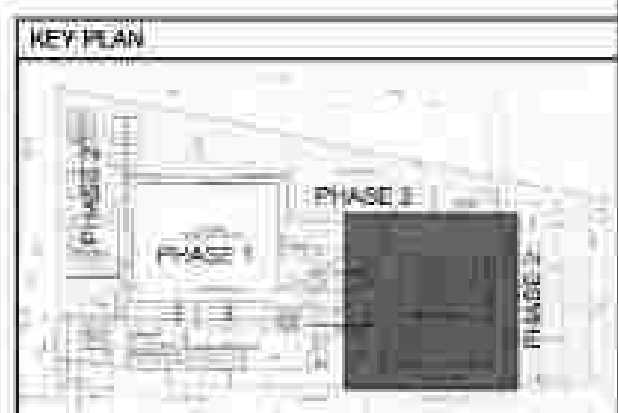
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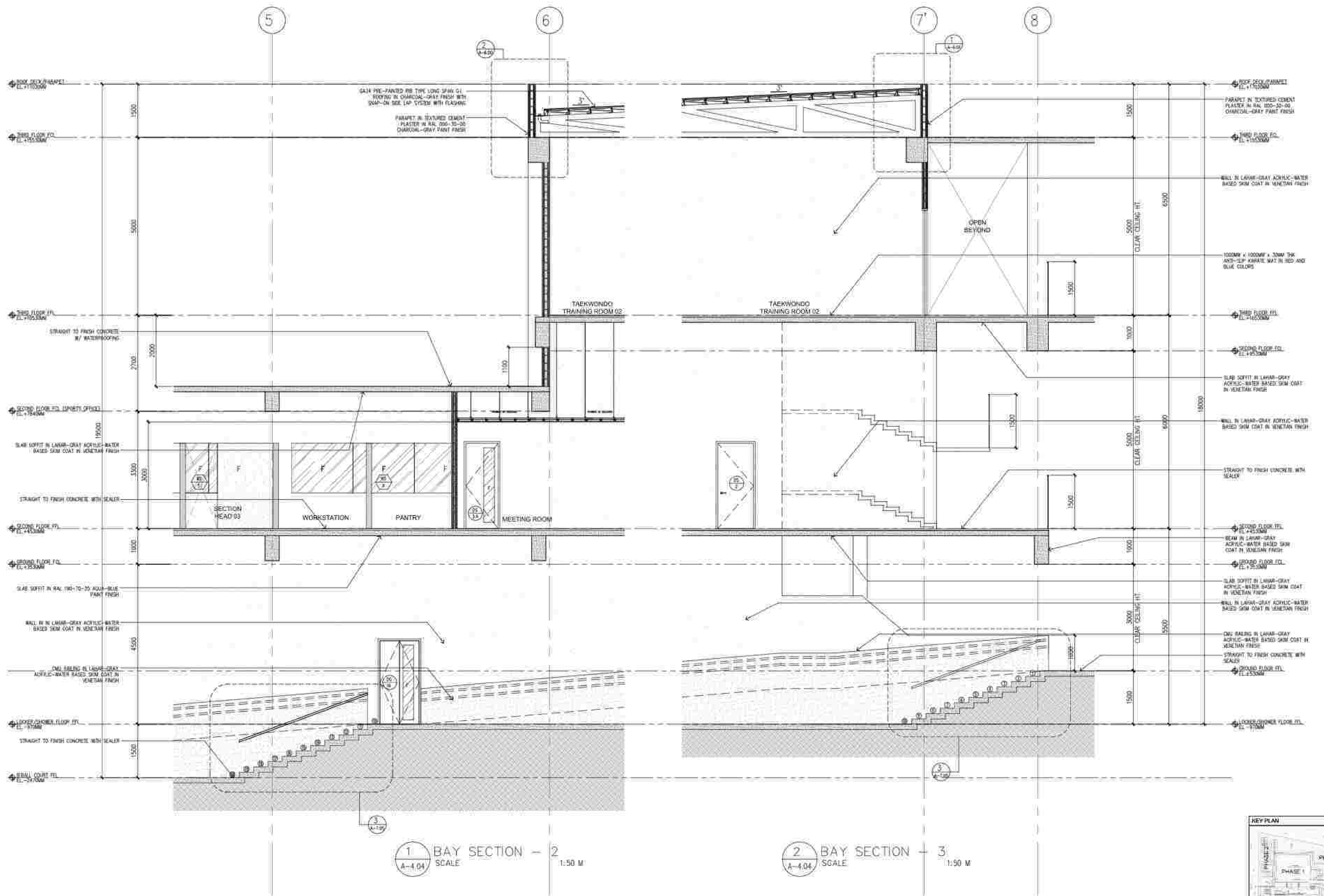


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2 CROSS SECTION - 3
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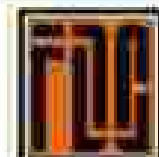
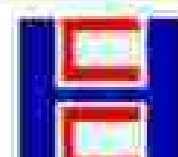
APPROVED BY: BCDA Bayan Conversion and Development Authority RYAN H. GALURA DC 5940 AND NATIONAL ACADEMY OF SPORTS Philippines JOSEPHINE JOY REYES DESIGNER	CHECKED BY: FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1335 S. RODRIGUEZ ST. AVENUE CUBAO, QUEZON CITY TEL. (02) 8854-3911 JERUS V. HERBAS PROJECT MANAGER	PROJECT TITLE AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ARCHITECTURAL) LOCATION: NCC, MUNICIPALITY OF CAPAS, TARLAC	SHEET CONTENTS BAY SECTION - 2 BAY SECTION - 3	SHEET NO. A-4.04
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NATIONAL ACADEMY OF SPORTS PHASE 1

NEW CLARK CITY, CAPAS, TARLAC

ELECTRICAL

AS-BUILT DRAWINGS

APPROVED BY:  JOSHUA M. BINGGANG SAP-206	AND:  JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY:  FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY:  HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERDAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC MUNICIPALITY OF CAPAS, TARLAC	SHEET CONTENTS: COVER PAGE	SHEET NO.: EE0.00
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DRAWING INDEX

SHEET NO.	CONTENTS
GENERAL	
EE0-00	COVER PAGE
EE0-01	DRAWING INDEX, GENERAL NOTES & SPECIFICATIONS AND LEGEND & SYMBOLS
EE0-02/1	ELECTRICAL SITE DEVELOPMENT PLAN
EE0-02/2	PRI-SETTING OUT & ELEVATION
LIGHTING LAYOUT	
EE1-01/1	ACADEMIC AND ADMIN BUILDING OF LIGHTING LAYOUT
EE1-01/2	ACADEMIC AND ADMIN BUILDING OF EE ROOM PANEL SETTING OUT & KEYPLAN
EE1-01/3	ACADEMIC AND ADMIN BUILDING OF EE CABLE TRUNKING LAYOUT
EE1-02/1	ACADEMIC AND ADMIN BUILDING 2F LIGHTING LAYOUT
EE1-02/2	ACADEMIC AND ADMIN BUILDING 2F PANEL SETTING OUT & KEYPLAN
EE1-02/3	ACADEMIC AND ADMIN BUILDING 2F EE CABLE TRUNKING LAYOUT
EE1-03/1	ACADEMIC AND ADMIN BUILDING 3F LIGHTING LAYOUT
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EE1-05/1	MULTI-PURPOSE GYM OF LIGHTING LAYOUT
EE1-05/2	MULTI-PURPOSE GYM OF PANEL SETTING OUT & KEYPLAN
EE1-06/1	MULTI-PURPOSE GYM 2F LIGHTING LAYOUT
EE1-06/2	MULTI-PURPOSE GYM 2F PANEL SETTING OUT & KEYPLAN
EE1-07/1	MULTI-PURPOSE GYM 3F LIGHTING LAYOUT
EE1-07/2	MULTI-PURPOSE GYM 3F PANEL SETTING OUT & KEYPLAN
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EE1-11/1	PROPOSED SEWAGE TREATMENT PLANT LIGHTING LAYOUT
EE1-11/2	PROPOSED SEWAGE TREATMENT PLANT PANEL SETTING OUT & KEYPLAN
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EE2-01	ACADEMIC AND ADMIN BUILDING OF POWER LAYOUT
EE2-02	ACADEMIC AND ADMIN BUILDING 2F POWER LAYOUT
EE2-03	ACADEMIC AND ADMIN BUILDING 3F POWER LAYOUT
EE2-04	ACADEMIC AND ADMIN BUILDING ROOF POWER LAYOUT
EE2-05	MULTI-PURPOSE GYM OF POWER LAYOUT
EE2-06	MULTI-PURPOSE GYM 2F POWER LAYOUT
EE2-07	MULTI-PURPOSE GYM 3F POWER LAYOUT
EE2-08	MULTI-PURPOSE GYM ROOF POWER LAYOUT
EE2-09	UTILITY ROOM & MOTORPOOL BUILDING OF POWER LAYOUT
EE2-10	UNDERGROUND TANKS & PUMP ROOM POWER LAYOUT
EE2-11	SEWAGE TREATMENT PLANT POWER LAYOUT
SCHEMATIC DIAGRAM	
EE3-01	ELECTRICAL SINGLE LINE DIAGRAM
ELECTRICAL LOAD SCHEDULE	
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EE4-02	ELECTRICAL LOAD SCHEDULE 2
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EE4-05	ELECTRICAL LOAD SCHEDULE 5
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DETAILS	
EE5-01	MAIN ELECTRICAL ROOM BLOW-UP DETAILS
EE5-02	MISCELLANEOUS DETAILS 1
EE5-03	MISCELLANEOUS DETAILS 2

GENERAL NOTES AND SPECIFICATIONS

1. ALL ELECTRICAL INSTALLATION HEREIN COMPLIES IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE RULES, REGULATIONS AND REQUIREMENTS OF LOCAL POWER COMPANY AND THE LAWS AND ORDINANCES OF THE LOCAL ENFORCING AUTHORITY.

2. THE TYPE OF POWER SERVICE TO BE SUPPLIED IN THE BUILDING IS 13.8KV, 3Ø, 3W, 60Hz.

3. ALL CONDUCTORS ARE COPPER, TYPE THHN 75°C 600 VOLT INSULATION, MINIMUM SIZE SHALL BE 3.5mm² (NO. 12 AWG) UNLESS OTHERWISE SPECIFIED. INSULATION COLOR OF THE CABLES ARE AS FOLLOWS:

LIVE WIRES	— RED, YELLOW
SINGLE PHASE	— RED, YELLOW, BLUE
THREE PHASE	— GREEN
GROUND WIRE	— WHITE
NEUTRAL	— WHITE

4. UNLESS SHOWN OTHERWISE, THE MOUNTING HEIGHT FROM FINISHED FLOOR LEVEL FOR THE VARIOUS ITEMS OF ELECTRICAL EQUIPMENT ARE AS FOLLOWS:

CONVENIENCE OUTLETS	— 300mm TO CENTER LINE
LIGHTING SWITCHES	— 1400mm TO CENTER LINE
DISTRIBUTION BOARD	— GENERALLY 1800mm TO TOP OF PANEL

5. ALL MATERIALS ARE NEW AND OF THE APPROVED TYPE IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS FOR THE LOCATION INTENDED.

6. STANDARD TYPE OF ACCESSORIES, SPLICING DEVICES, TERMINATION AND OTHER APPURTENANCES FOR THE ENTIRE ELECTRICAL INSTALLATIONS ARE USED IN ACCORDANCE WITH PEC REQUIREMENTS.

7. ALL NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT AND LIGHTING FIXTURE ARE EFFECTIVELY GROUNDING.

8. ALL CIRCUIT BREAKER ARE BOLT-ON TYPE WITH 14 KAIC MINIMUM OR AS INDICATED IN THE LOAD SCHEDULE.

9. UNLESS OTHERWISE INDICATED, ALL WIRING ARE IN IMC AND FLEXIBLE METAL CONDUIT.

a. UNLESS OTHERWISE INDICATED, ALL CONDUIT TO BE INSTALLED EXPOSED FOR BOTH INTERIOR AND EXTERIOR WIRING ARE INTERMEDIATE METAL CONDUIT, WHILE FOR THOSE INSTALLED IN CONCRETE SLAB AND DRY PARTITIONS ARE POLYVINYL CHLORIDE (PVC) CONDUIT.

b. ALL EQUIPMENT ARE SUBJECTED TO VIBRATION ARE CONNECTED USING LIQUIDTIGHT PVC JACKETED CONDUIT IN WET OR DAMP LOCATION.

c. CONDUIT MINIMUM SIZE
— PVC, 20mm DIAMETER
— IMC, 15mm DIAMETER
— FLEXIBLE METAL CONDUIT, 15mm DIAMETER

10. UNLESS OTHERWISE SPECIFIED, THE MINIMUM SIZE OF EQUIPMENT GROUNDING CONDUCTOR FOR GROUNDING RACEWAY & EQUIPMENT SHALL BE AS FOLLOWS:

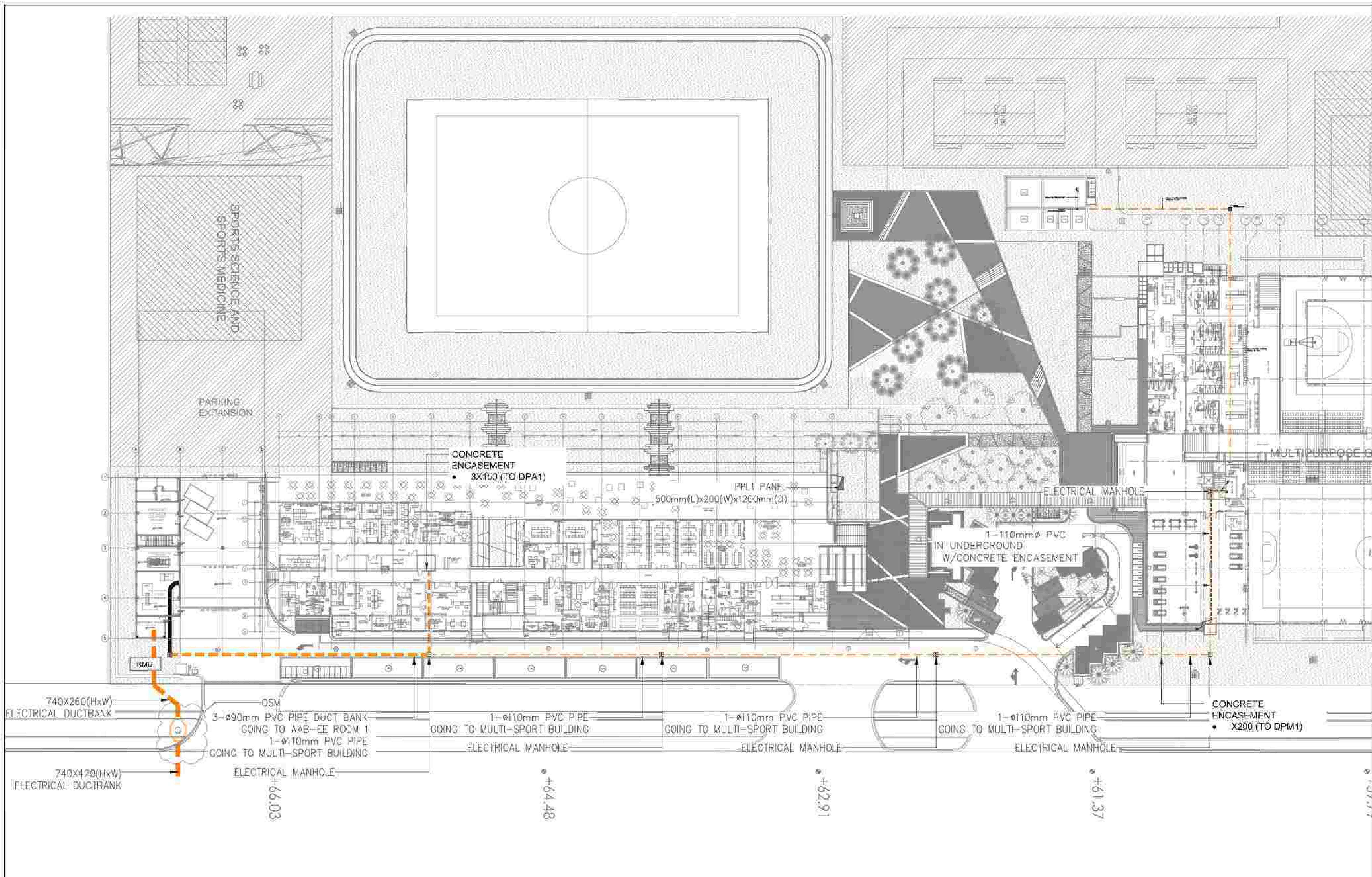
RATING OR SETTING OF AUTOMATIC OVERCURRENT DEVICE IN CIRCUIT (AHEAD OF EQUIPMENT, CONDUIT, ETC., NOT EXCEEDING (AMPERES))	SIZE COPPER WIRE (mm ²)
15	2.0
20	3.5
30	5.5
40	5.5
50	5.5
100	8.0
200	14
300	22
400	30

11. ALL ELECTRICAL WORKS ARE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED/REGISTERED ELECTRICAL ENGINEER.

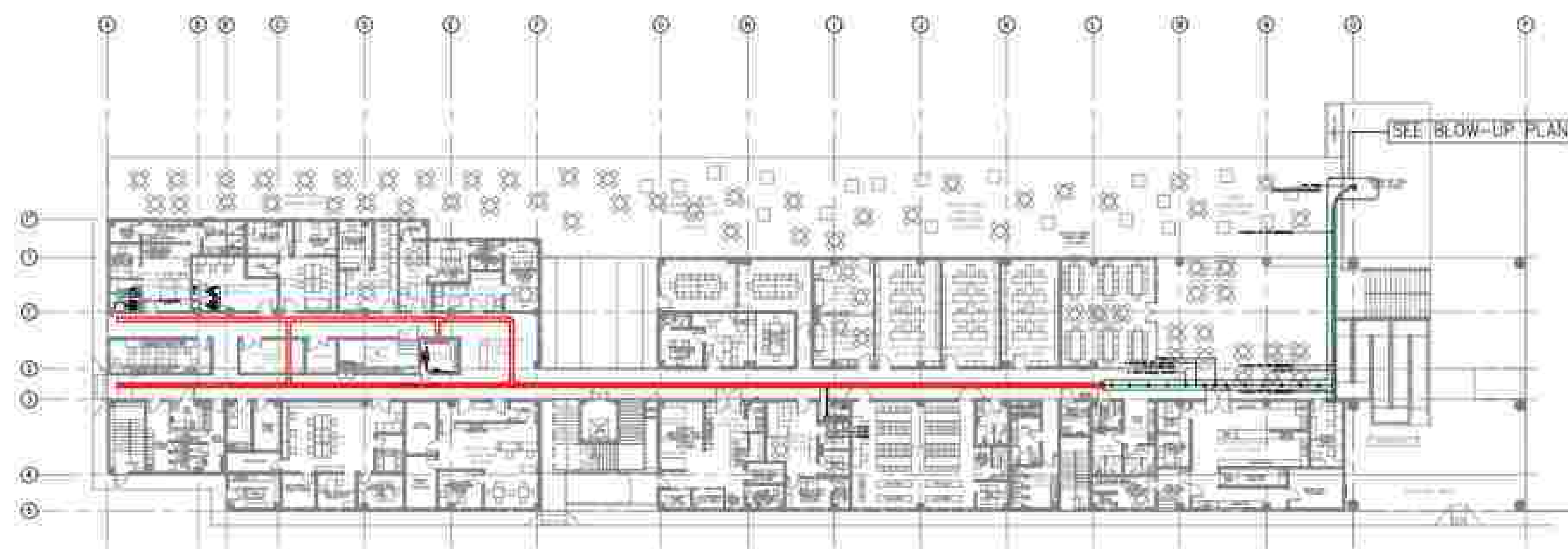
12. ALL NECESSARY RACKING/CHASING OF FLOOR AND MAKING GOOD ARE INCLUDED IN THIS CONTRACT AND ARE APPROVED BY STRUCTURAL ENGINEER/BUILDING OPERATIONS MANAGER.

LEGEND & SYMBOLS

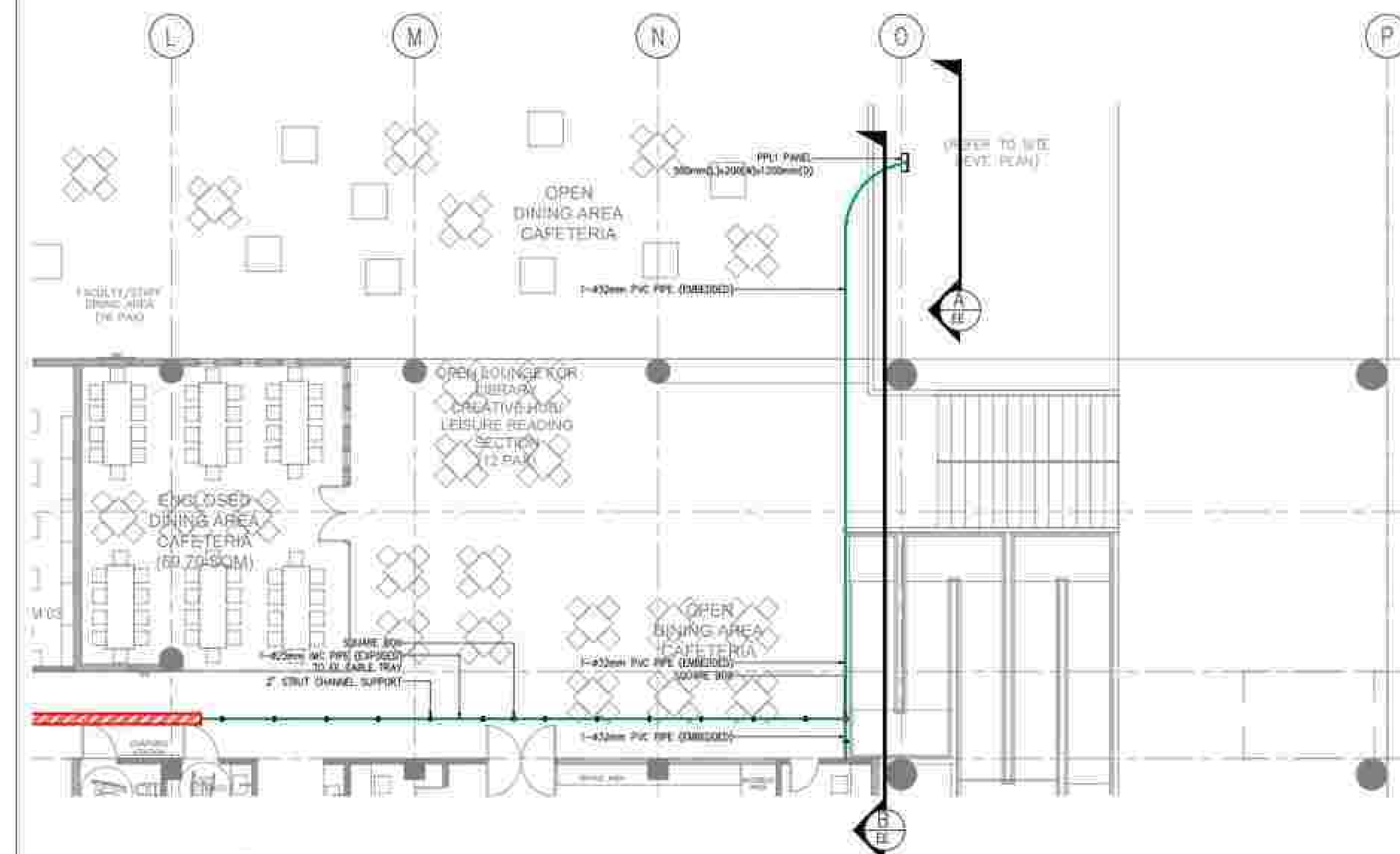
SYMBOLS	DESCRIPTION OF ITEM	SYMBOLS	DESCRIPTION OF ITEM
POWER		LIGHTING	
	DUPLEX RECEPTACLE 15A, 250V, 2P, 3W, GROUNDING TYPE WP - WEATHER PROOF G - GROUND FAULT CIRCUIT INTERRUPTER # - NUMBER OF OUTLETS		SW SELF-CONTAINED, MAINTAINED LED EXIT LIGHT C/W 90 MIN. BATTERY PACK
	SINGLE RECEPTACLE 15A, 250V, 2H, 3W, GROUNDING TYPE G - GROUND FAULT CIRCUIT INTERRUPTER EF - EXHAUST FAN F - FREEZER R - REFRIGERATOR # - NUMBER OF OUTLETS		SW SELF-CONTAINED, MAINTAINED DIRECTIONAL EXIT LIGHT C/W 32 HOURS BATTERY PACK
	FLOOR MOUNTED DUPLEX RECEPTACLE 15A, 250V, 2P, 3W, GROUNDING TYPE # - NUMBER OF OUTLETS		NON-MAINTAINED EMERGENCY LIGHT C/W 90 MIN. BATTERY PACK
	JUNCTION BOX PROVIDING: CF - CEILING FAN S - SENSOR HD - HAND DRYER RL - RANGE HOOD DENTAL EQUIPMENT WAP - WIRELESS ACCESS POINT		DENOTES ADDITIONAL BATTERY PACK TO BE SUPPLIED W/ LIGHTING FIXTURE SELF-MAINTAINED EMERGENCY POWER PACK COMPRISING SEALED HIGH TEMPERATURE NiCd BATTERIES OF SUFFICIENT CAPACITY TO OPERATE ONE OF THE TUBES CONTINUOUSLY FOR 90 MIN. DURATION IN THE EVENT OF AN A.C. MAINS FAILURE
	ENCLOSED CIRCUIT BREAKER		TOGGLE SWITCH, SINGLE POLE, 1 GANG, 15 A, 250V
	DISCONNECT SWITCH		TOGGLE SWITCH, SINGLE POLE, 2 GANG, 15A, 250V
	SPECIAL PURPOSE OUTLET: WAC - WINDOW TYPE AIR-CONDITION EWH - ELECTRIC WATER HEATER R - RANGE REFER TO LOAD SCHEDULE FOR AMPERE RATING		TOGGLE SWITCH, SINGLE POLE, 3 GANG, 15A, 250V
	FLOOR MOUNTED SPECIAL PURPOSE OUTLET: ST - SUPER THREADMILL REFER TO LOAD SCHEDULE FOR AMPERE RATING PT - POWER PROVISION FOR PT RENOVATION AREA REFER TO LOAD SCHEDULE FOR AMPERE RATING		THREE-WAY TOGGLE SWITCH, 2 GANG, 15A, 250V
	GROUND BUSBAR		SWITCH BANK
	TEST PIT		WEATHER-PROOF
	GROUND ROD		LED LINEAR LIGHT, CONTINUOUS TYPE, SQUARE END, 25W, 3600mm, 5000K, SUSPENDED FOR EXPOSED SLAB SOFFIT AND SURFACE MOUNTED FOR AREAS WITH FALSE CEILING
	BARE COPPER WIRE		SURFACE MOUNTED/SUSPENDED LED DOWNLIGHT, 15W, 1500mm D - DIMMABLE
	ESE LIGHTNING TERMINAL		RECESSED LED DOWNLIGHT, SLIM PROFILE, 17W, 1500mm D - DIMMABLE
	PANELBOARD		SURFACE MOUNTED WEATHERPROOF LED LIGHT, 40W, 3000mm
	EXHAUST FAN		LED INDUSTRIAL TYPE LIGHTING FIXTURE WITH POLYCARBONATE DIFFUSER, 3W, 4000mm EACH, SURFACE MOUNTED
	EXPOSED PIPE		300W LED FLOOD LIGHT, ALUMINUM DIE CAST HOUSING WITH GLASS COVER AND ADJUSTABLE MOUNTING BRACKET, 15000mm
	EMBEDDED PIPE		85W LED FLOOD LIGHT, ALUMINUM DIE CAST HOUSING WITH GLASS COVER AND ADJUSTABLE MOUNTING BRACKET, 12500mm
	300mmx100mm Cable Trunking		OCCUPANCY SENSOR
	JUNCTION BOX		DAYLIGHT SENSOR
	SQUARE BOX		



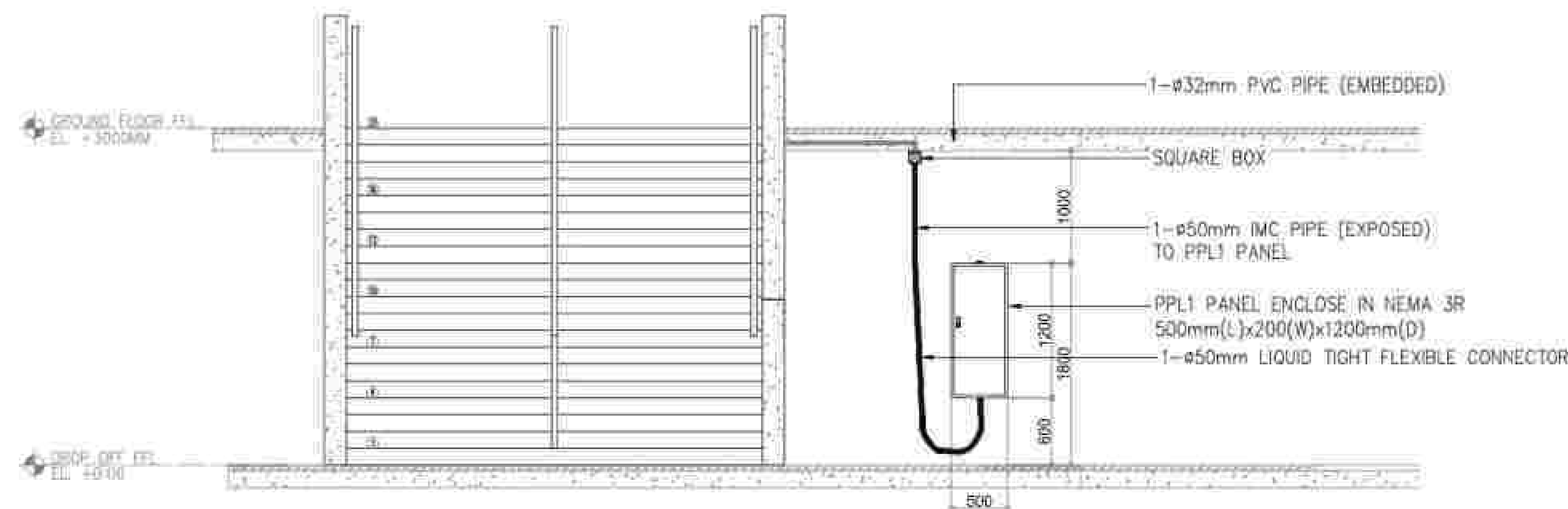
APPROVED BY: BCDA Bases Conversion and Development Authority AND: NATIONAL ACADEMY OF SPORTS RYAN S. GALURA OIC, SPMS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY: FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERDAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TARLAC	SHEET CONTENTS: GROUND FLOOR, ELECTRICAL DUCT BANK ASBUILT PLAN LAYOUT	SHEET NO.: EE0-02/1
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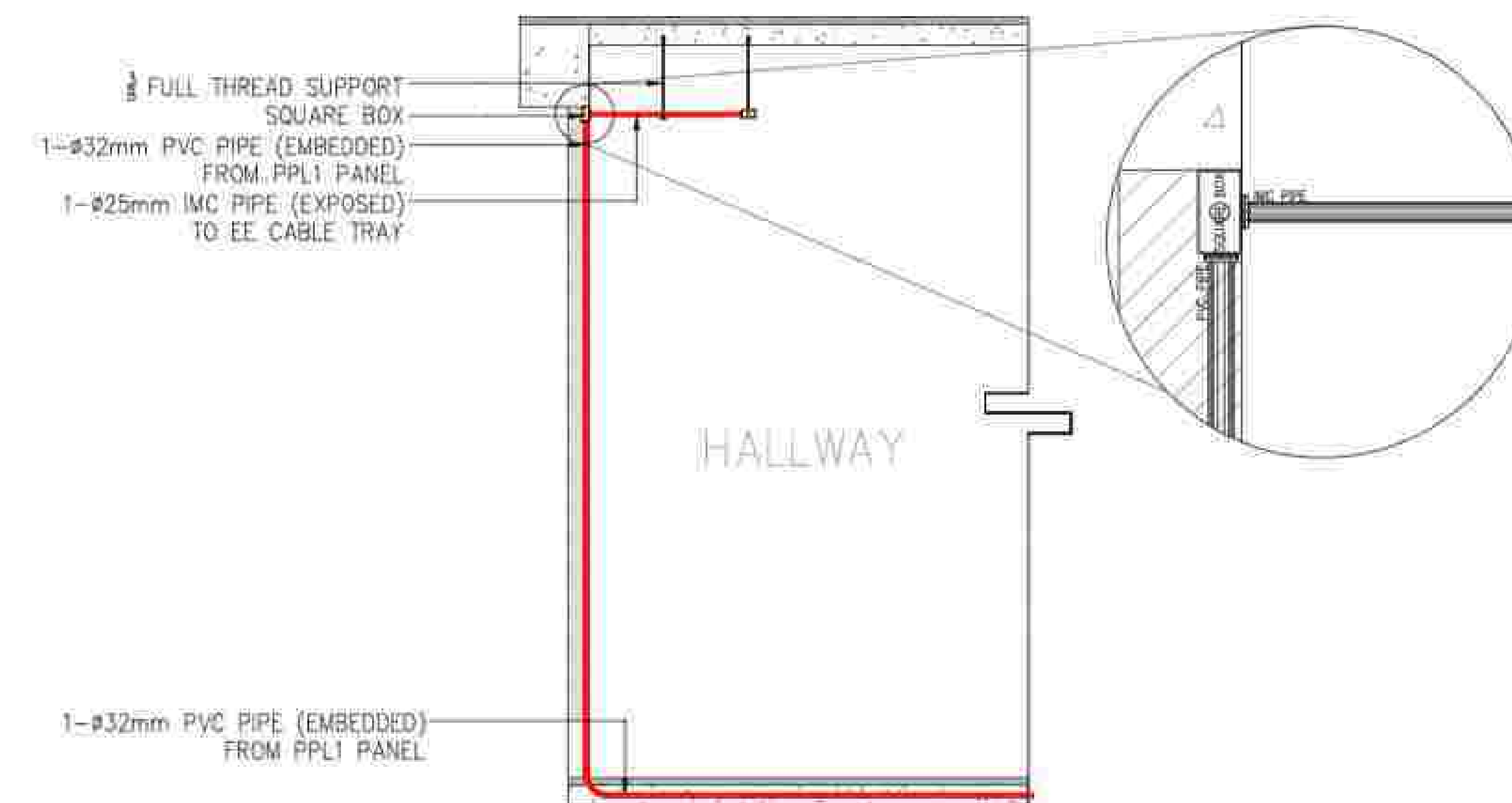
1 ACADEMICS & ADMIN BUILDING
GROUND FLOOR KEYPLAN
SCALE: NTS



2 DETAILED AAB GF. BLOW-UP PLAN
SCALE: NTS



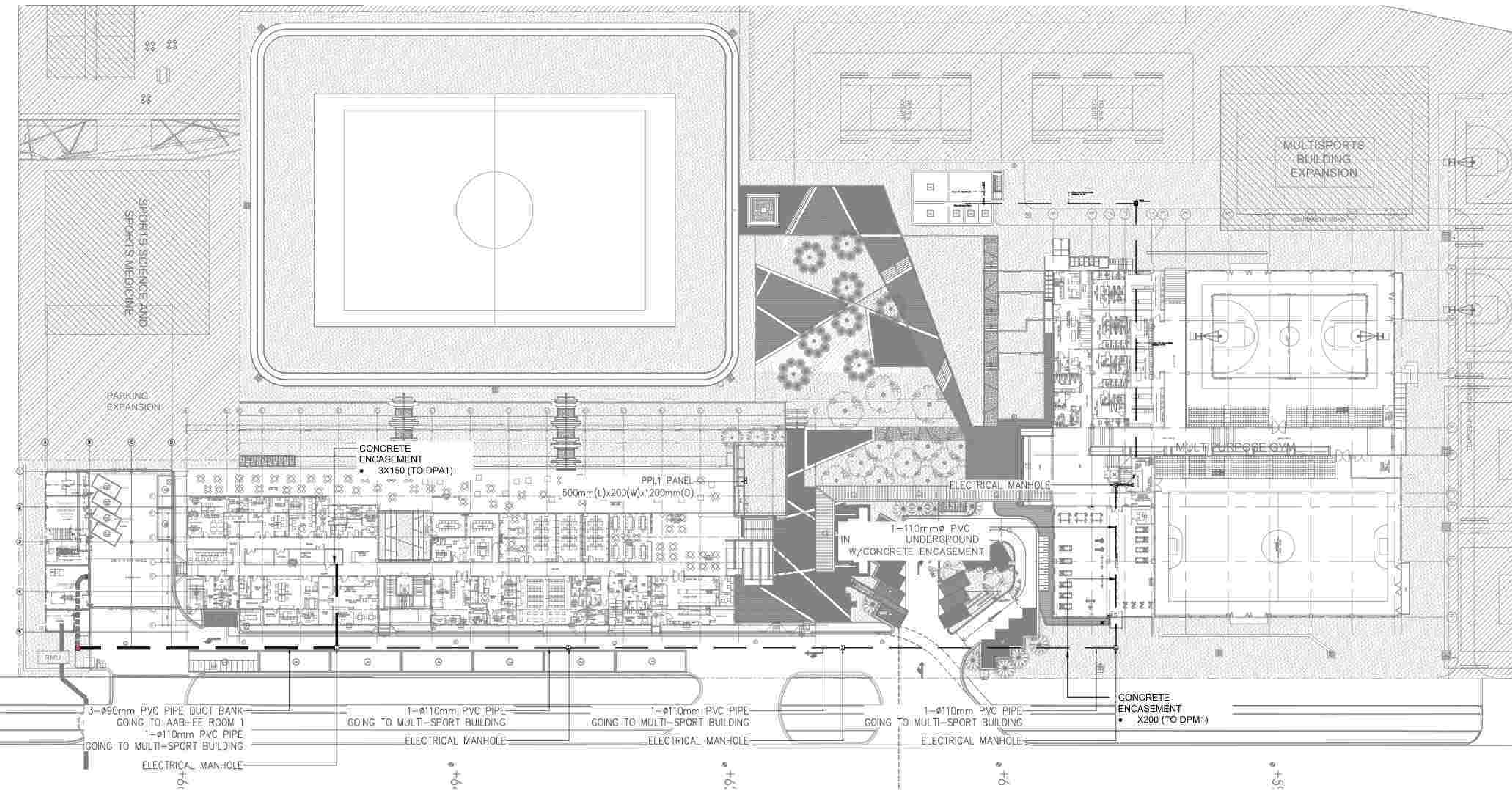
3 GROUND FLOOR
SECTION "A" PANEL SETTING-OUT
SCALE: NTS



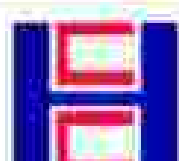
4 GROUND FLOOR
SECTION "B" PVC TO IMC PIPE
SCALE: NTS

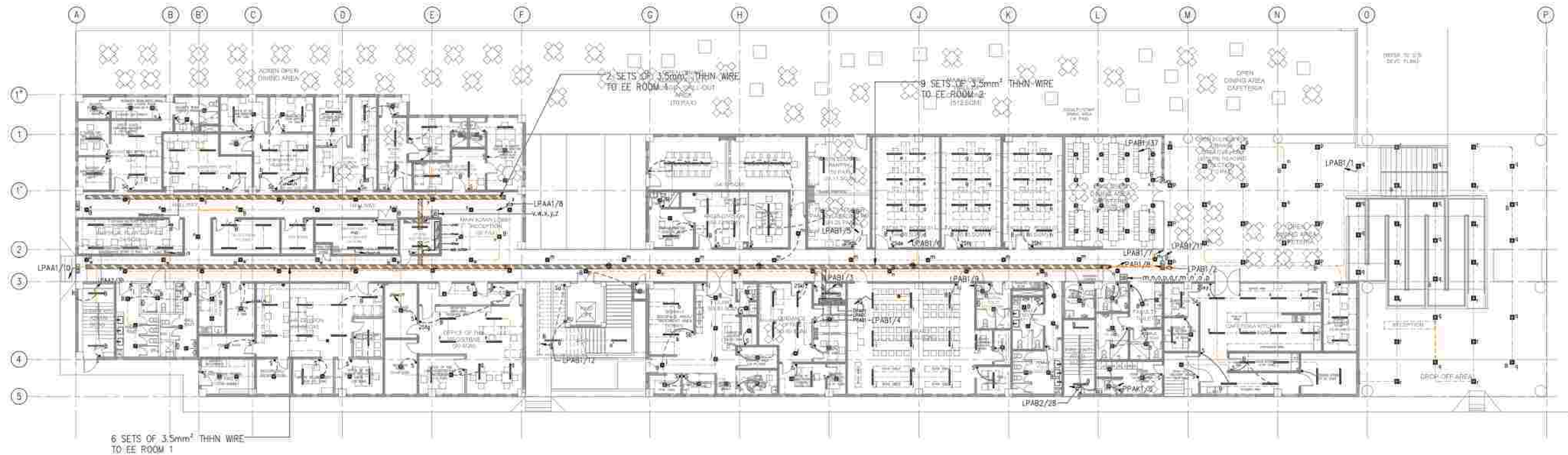
LEGEND:

SYMBOLS	DESCRIPTION
	EMBEDDED PIPE



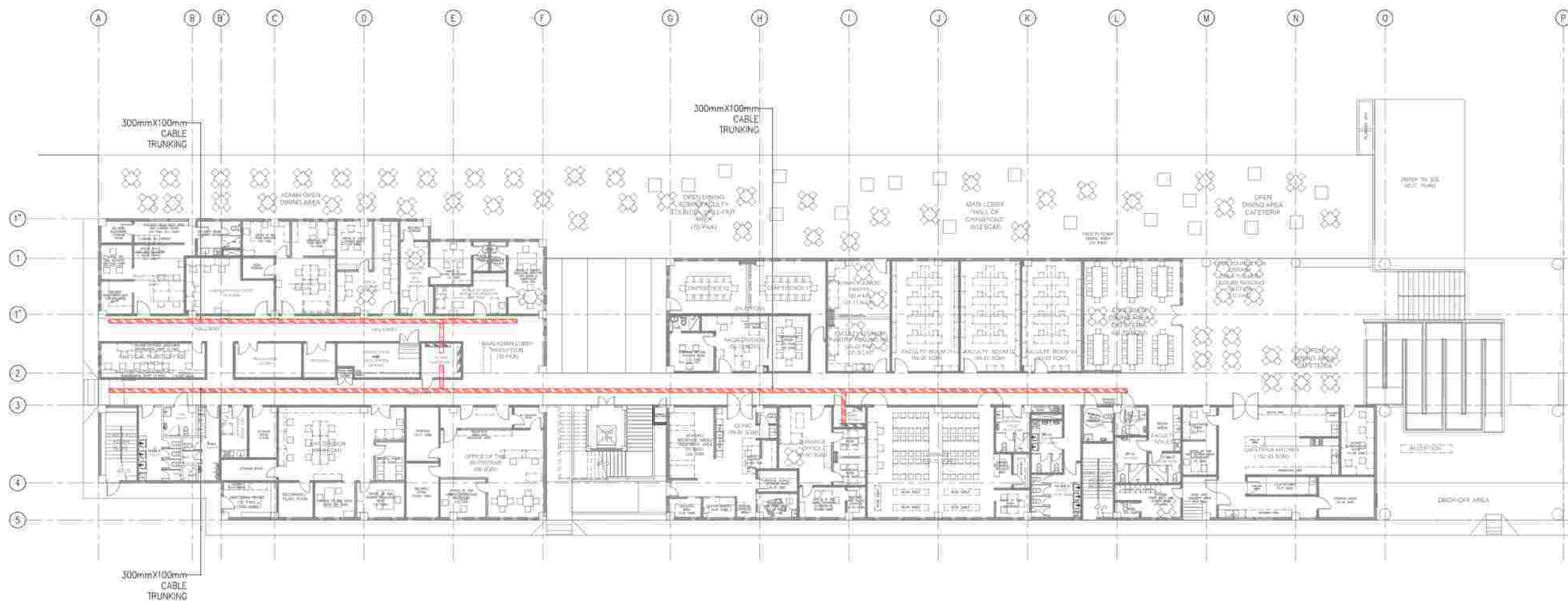
1 GROUND FLOOR ELECTRICAL DUCK BANK
 EE-02 SCALE : NTs

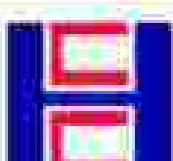
APPROVED BY:  Bases Conversion and Development Authority RYAN S. GALURA IEC, SPMS	AND:  NATIONAL ACADEMY OF SPORTS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY:  FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services JOSEPH ROMMEL D.C. LIDICAN PROJECT MANAGER	PREPARED BY:  HILMARC'S CONSTRUCTION CORPORATION 1801 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERDAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCD, MUNICIPALITY OF DAPAS, TARIAC	SHEET CONTENTS: GROUND FLOOR, ELECTRICAL DUCT BANK ASBUILT PLAN LAYOUT	SHEET NO.: EE0-02
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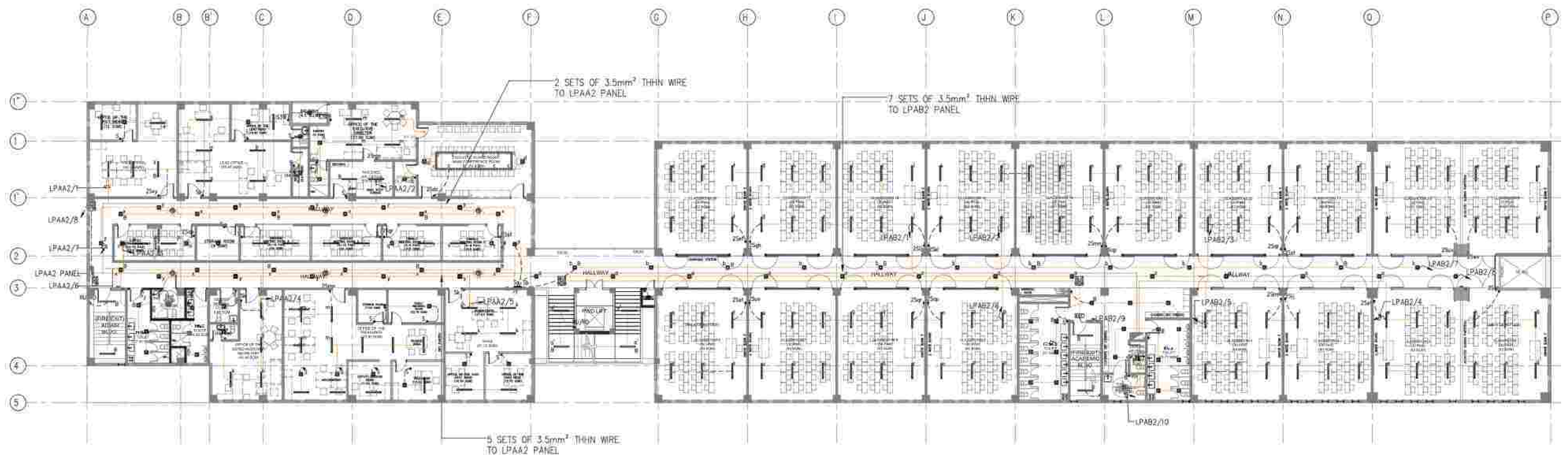


APPROVED BY: BCDA Bases Conversion and Development Authority AND: NATIONAL ACADEMY OF SPORTS RYAN S. GALURA SEC. SPMS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY: FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SA. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERBAS PROJECT ENGINEER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TARLAC	SHEET CONTENTS: ACADEMIC & ADMIN BUILDING GROUND FLOOR, LIGHTINGS SYSTEM ASBUILT PLAN	SHEET NO.: EE1-01/1
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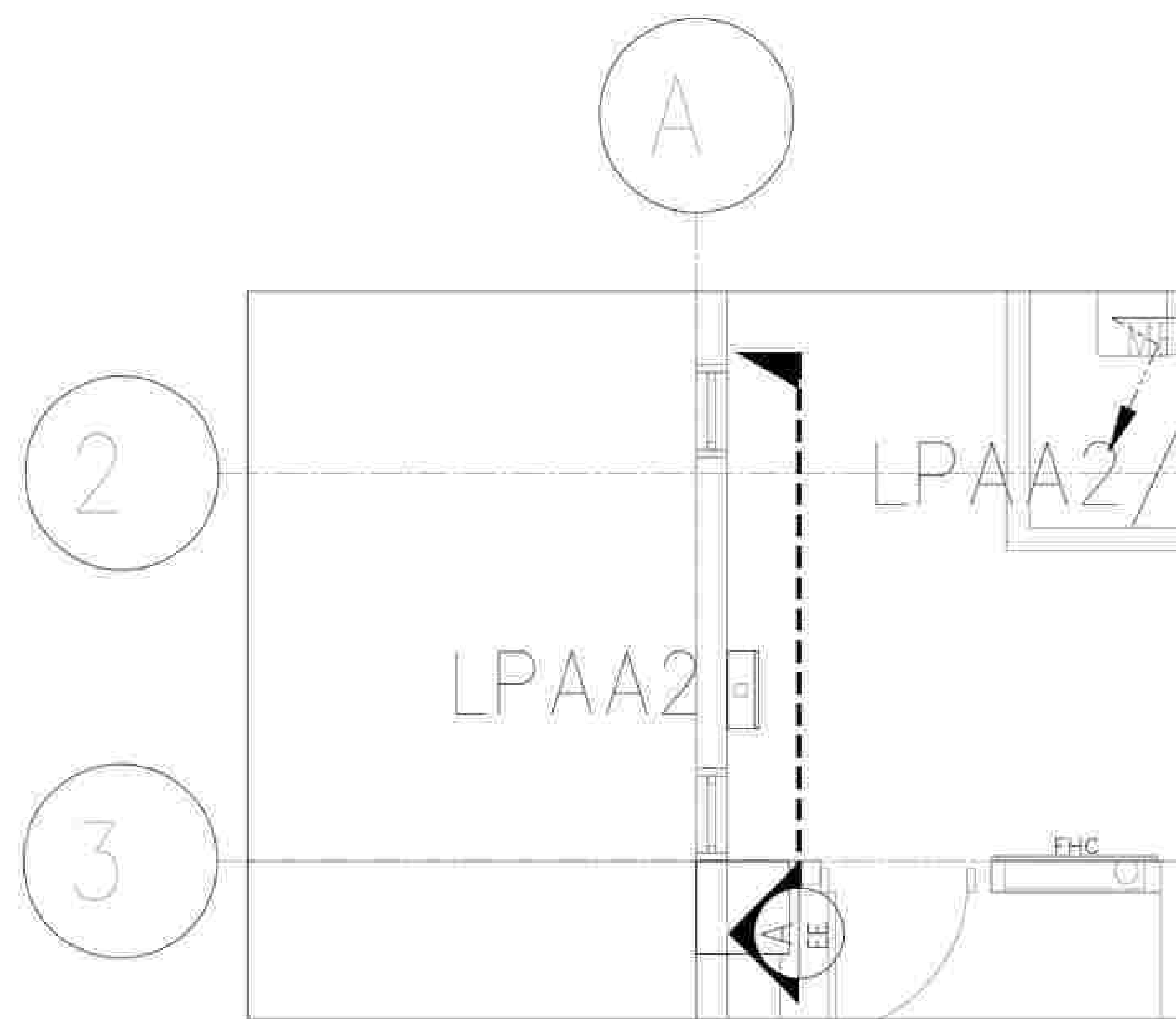




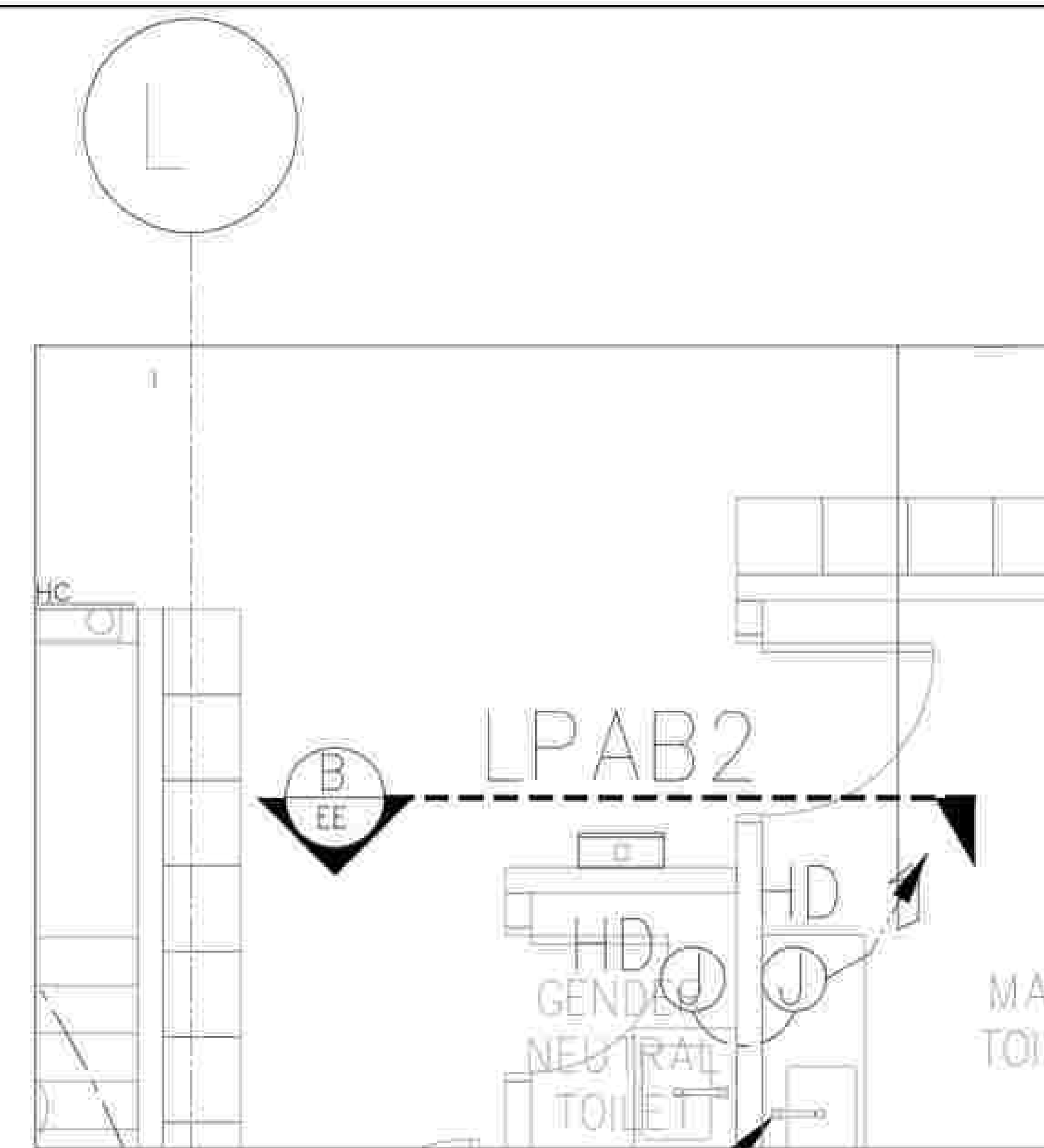
APPROVED BY:	CHECKED BY:	PREPARED BY:	PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:
 Bases Conversion and Development Authority RYAN S. GALURA IAC, SPMS	 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOC PROJECT MANAGER	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERDAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC, MUNICIPALITY OF DAPAS, TAYLAC	ACADEMIC & ADMIN BUILDING GROUND FLOOR, ELECTRICAL CABLE TRUNKING ASBUILT PLAN LAYOUT	EE1-01/3



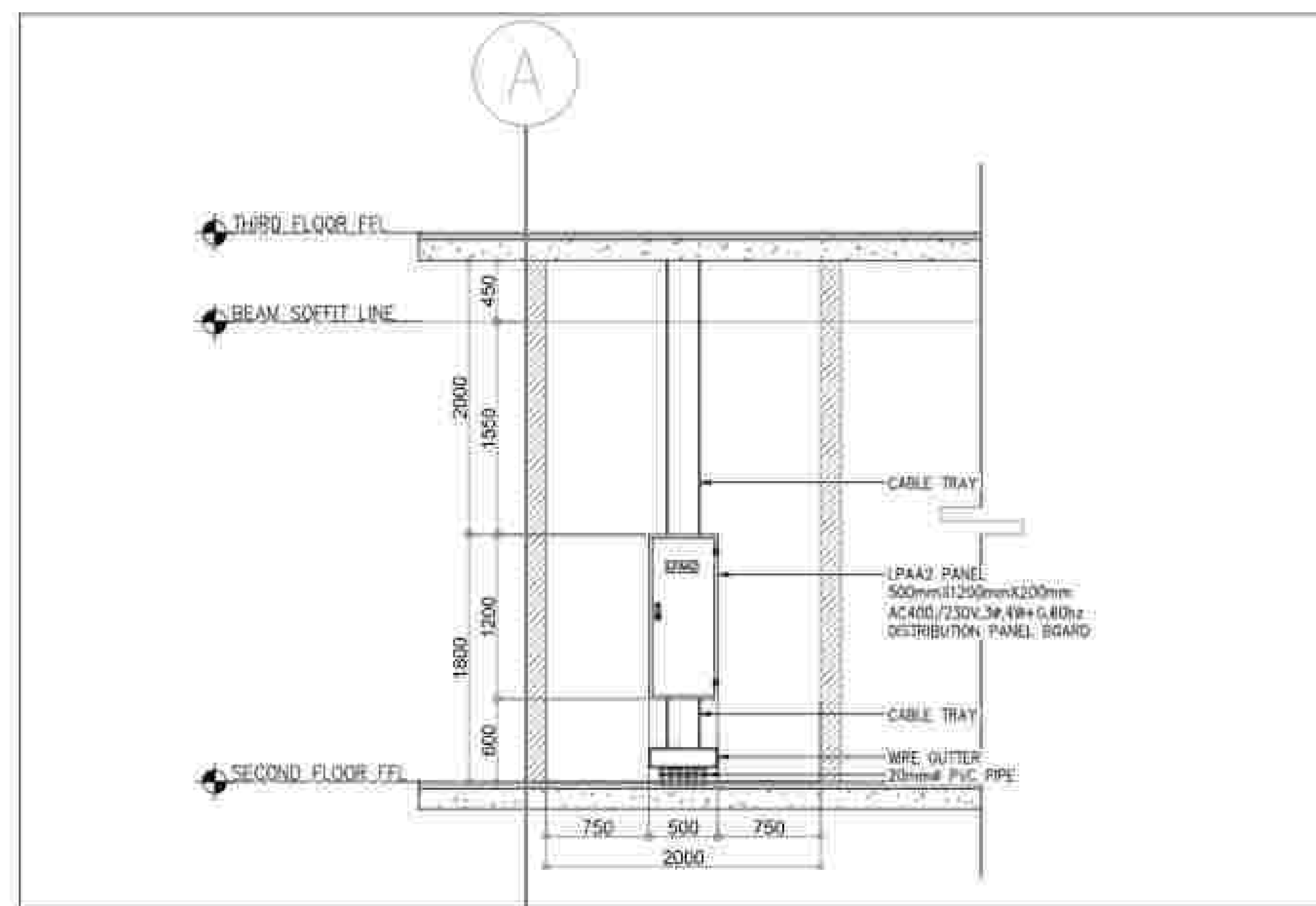
APPROVED BY: BCDA Bases Conversion and Development Authority AND: NATIONAL ACADEMY OF SPORTS RYAN S. GALURA SEC. SPMS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY: FILIPINAS DRAGO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY: HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SA. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERDAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCD, MUNICIPALITY OF DAPAS, TARLAC	SHEET CONTENTS: ACADEMIC & ADMIN BUILDING SECOND FLOOR, LIGHTINGS SYSTEM ASBUILT PLAN	SHEET NO.: EE1-02/1
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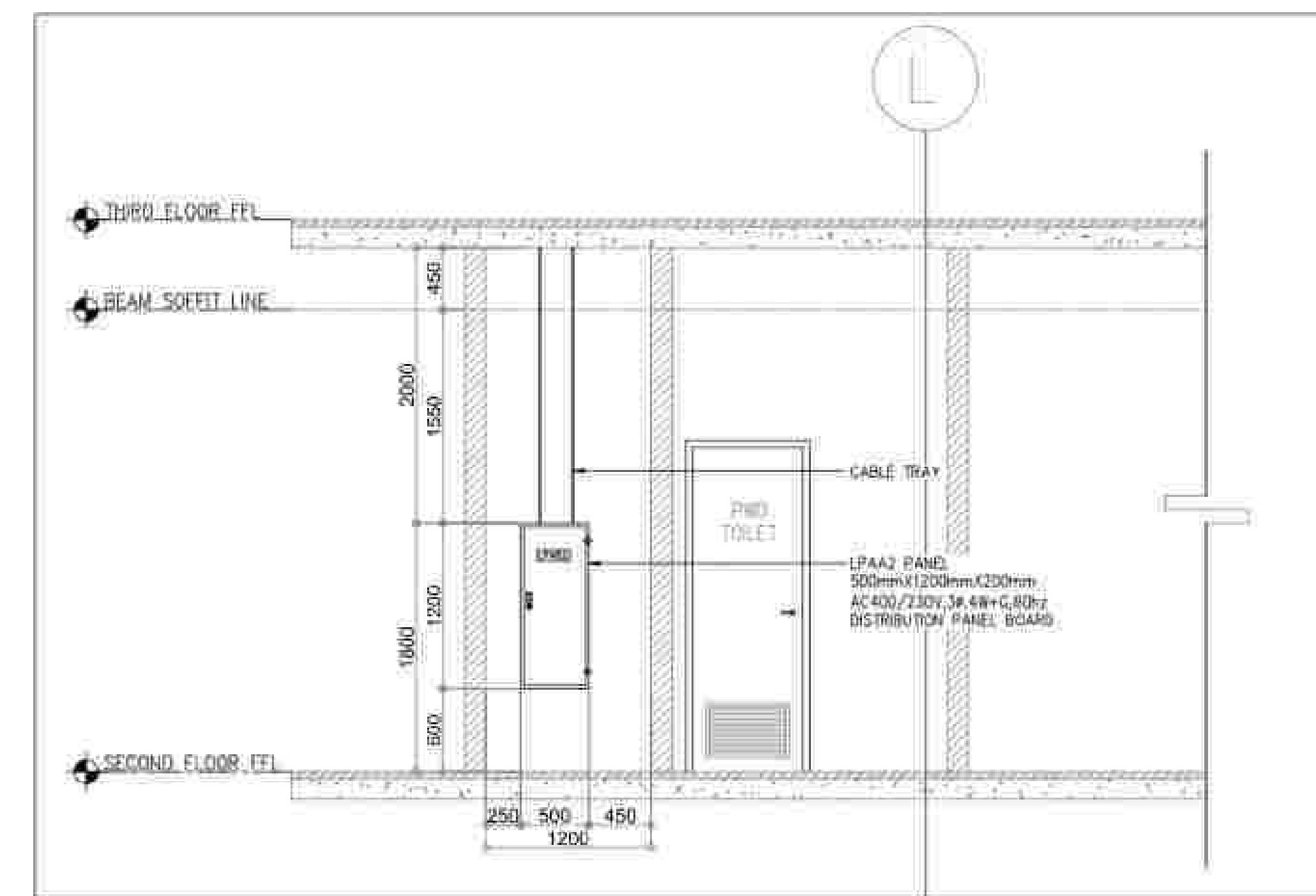
1 AAB-2F
BLOW-UP PLAN "A"
SCALE: NTS



1 2F
BLOW-UP PLAN "B"
SCALE: NTS

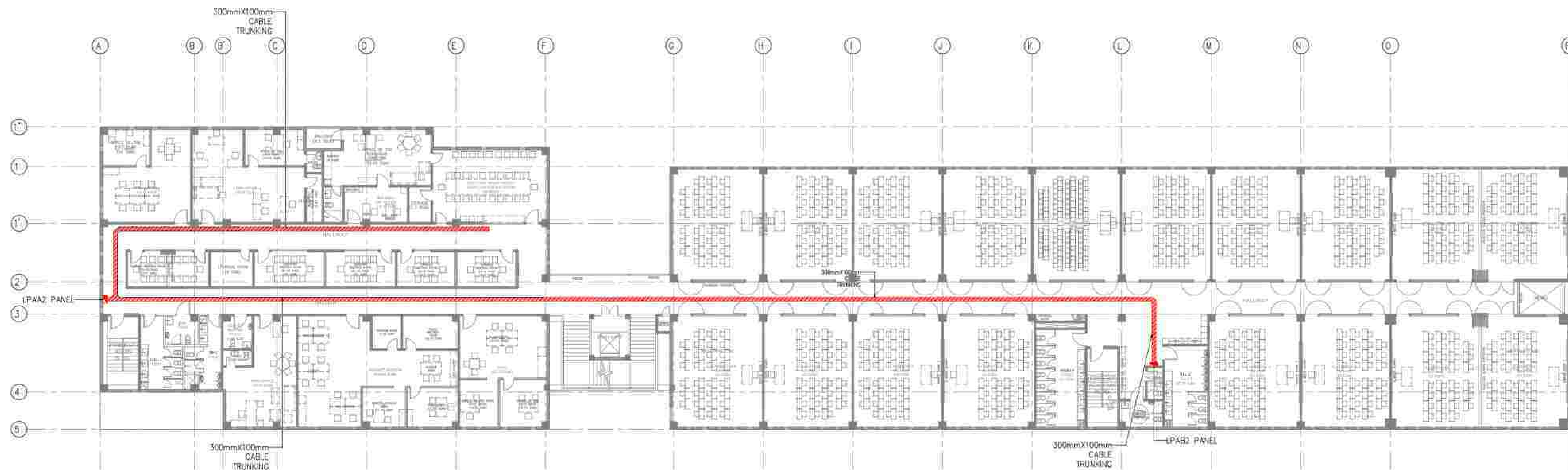


2 SECTION "A" DETAILS
SCALE: NTS

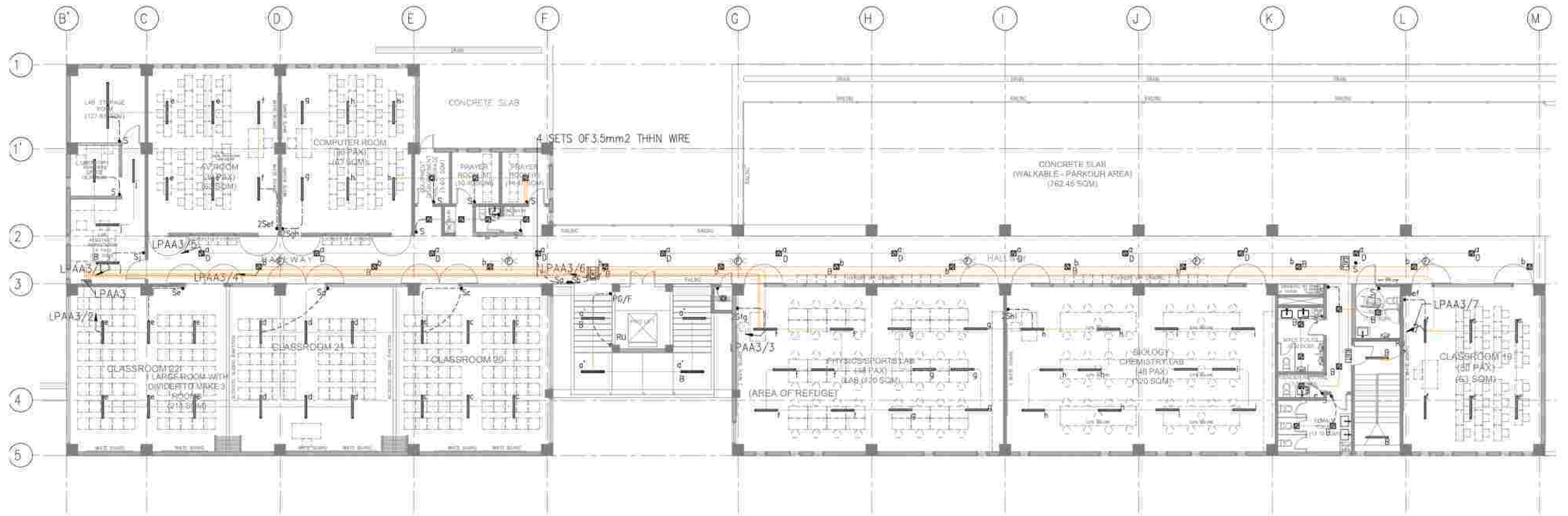


2 SECTION "B" DETAILS
SCALE: NTS

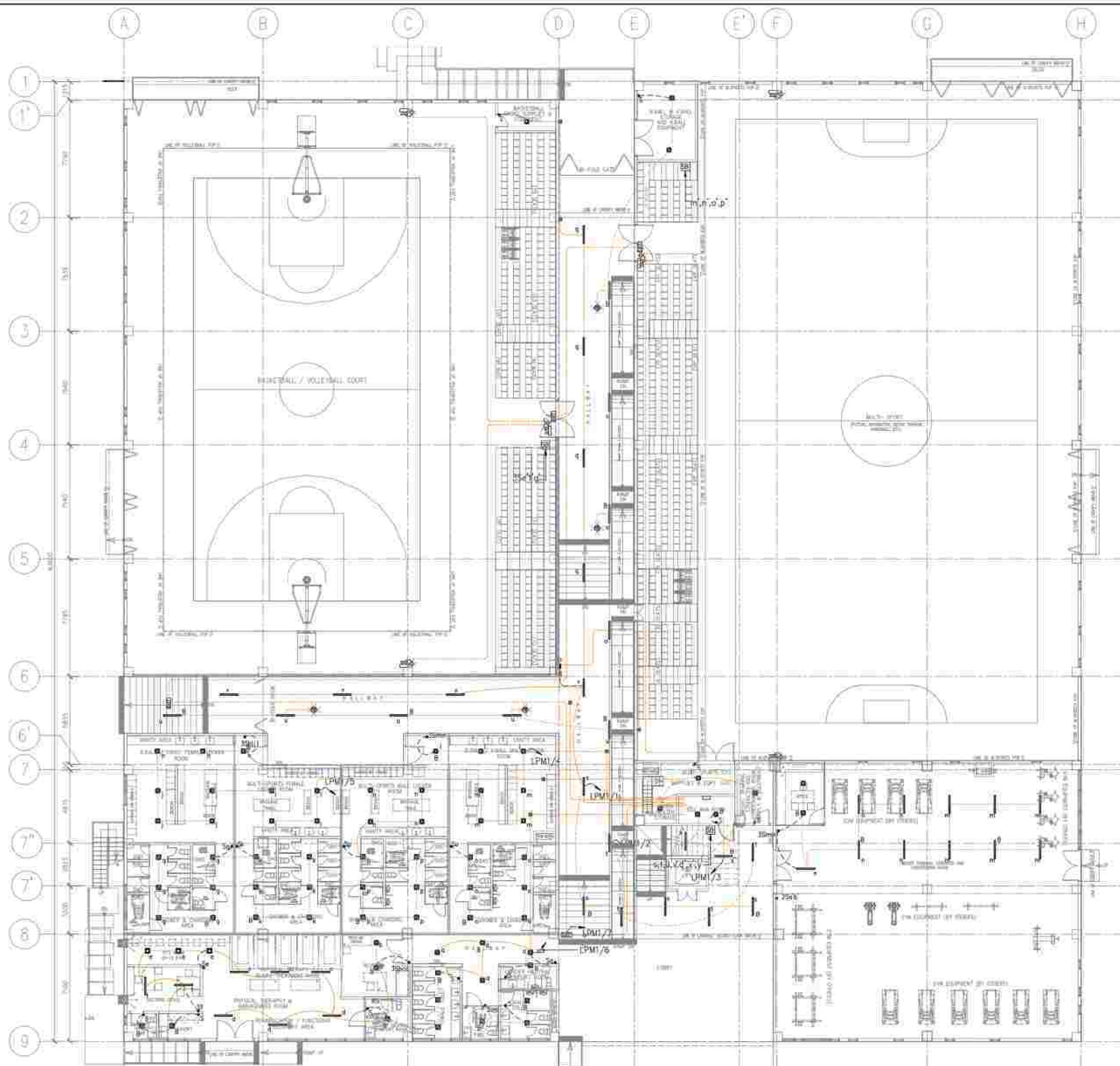
APPROVED BY: BCDA Bases Conversion and Development Authority RYAN S. GALURA ERC, SPMS	AND: NATIONAL ACADEMY OF SPORTS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY: FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1639 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3911 JESUS V. HERDAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC, MUNICIPALITY OF DAPAS, TARLAC	SHEET CONTENTS: ACADEMIC & ADMIN BUILDING SECOND FLOOR, EE PANEL APPROVED PLAN	SHEET NO.: EE1-02/2
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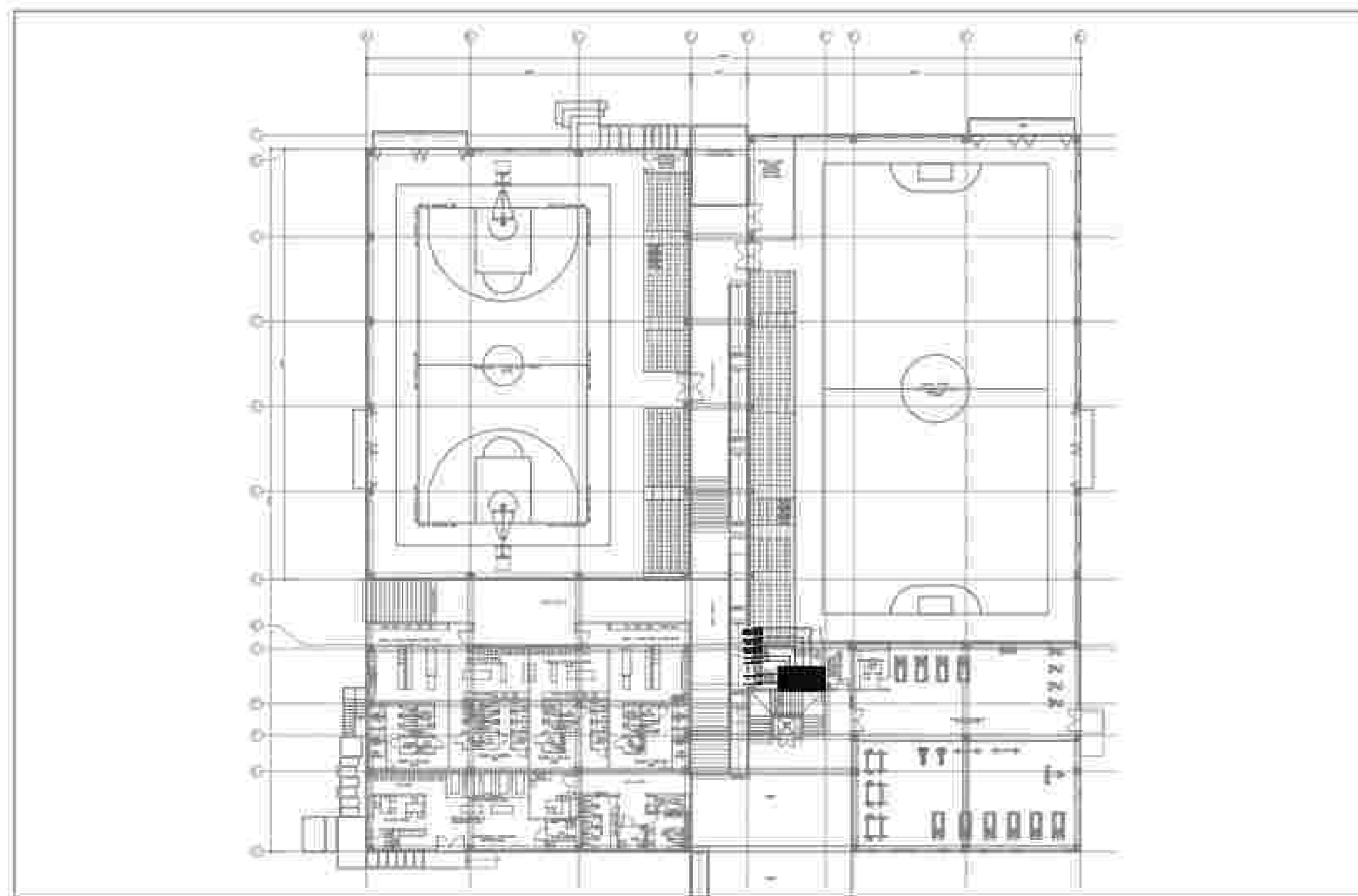
APPROVED BY: BCDA Bases Conversion and Development Authority RYAN S. SALLARA OIC, SPMB	CHECKED BY: FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOG PROJECT MANAGER	PREPARED BY: HILMAR'S CONSTRUCTION CORPORATION 1835 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 8654-3811 JESUS V. HERBAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC, MUNICIPALITY OF CAPAS, TARLAC	SHEET CONTENTS: ACADEMIC & ADMIN BUILDING SECOND FLOOR ELECTRICAL CABLE TRUNKING ASBUILT PLAN LAYOUT	SHEET NO. EE1-02/3
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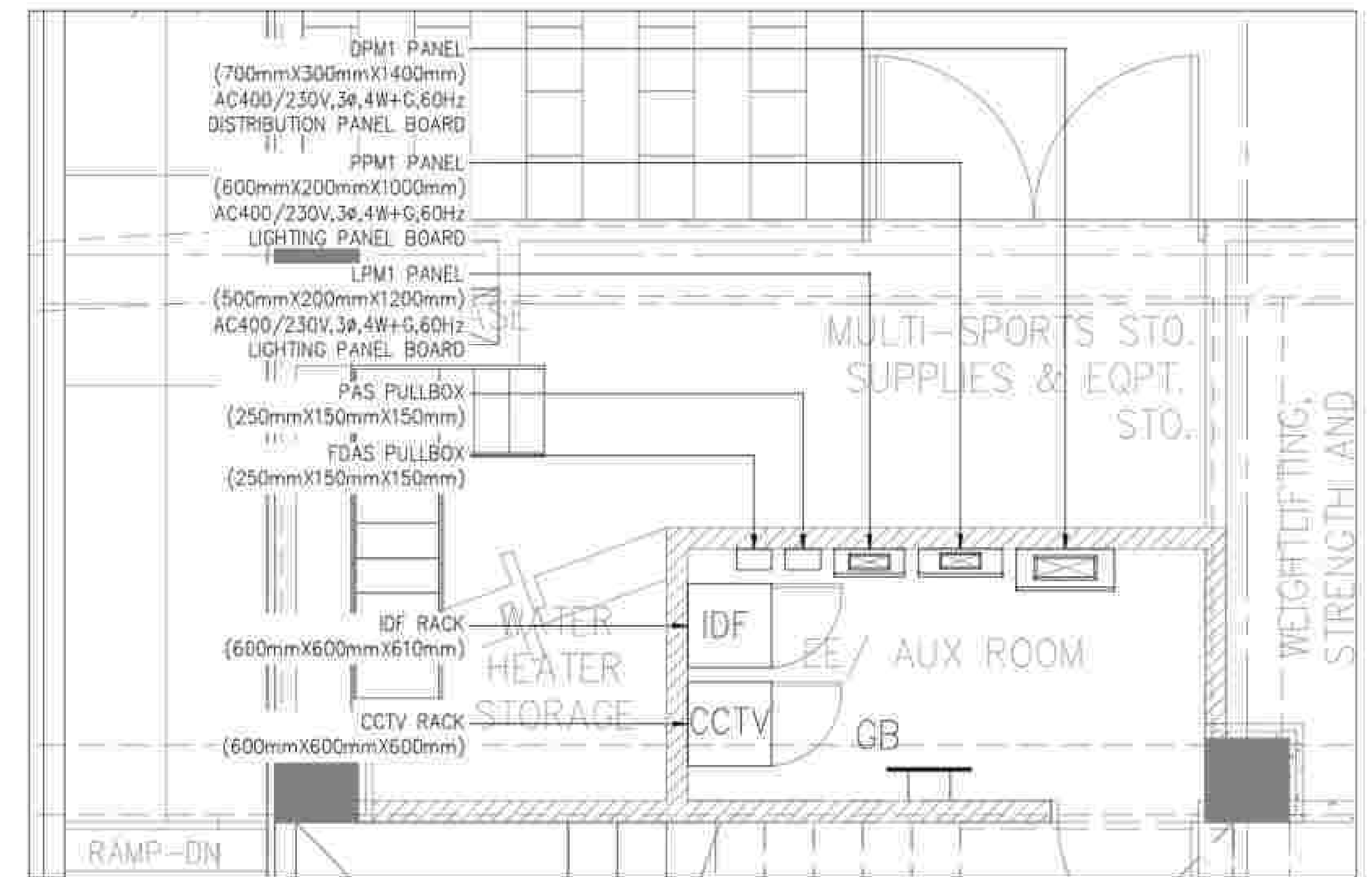
APPROVED BY: BCDA Bases Conversion and Development Authority RYAN S. GALURA ERC, SPMS	CHECKED BY: FILIPINAS DRAGO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOC PROJECT MANAGER	PREPARED BY: HILMARC'S CONSTRUCTION CORPORATION 1639 E. RODRIGUEZ SA, AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERDAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC, MUNICIPALITY OF DAPAS, TAYLAC	SHEET CONTENTS: ACADEMIC & ADMIN BUILDING THIRD FLOOR, LIGHTINGS SYSTEM ASBUILT PLAN LAYOUT	SHEET NO.: EE1-03/1
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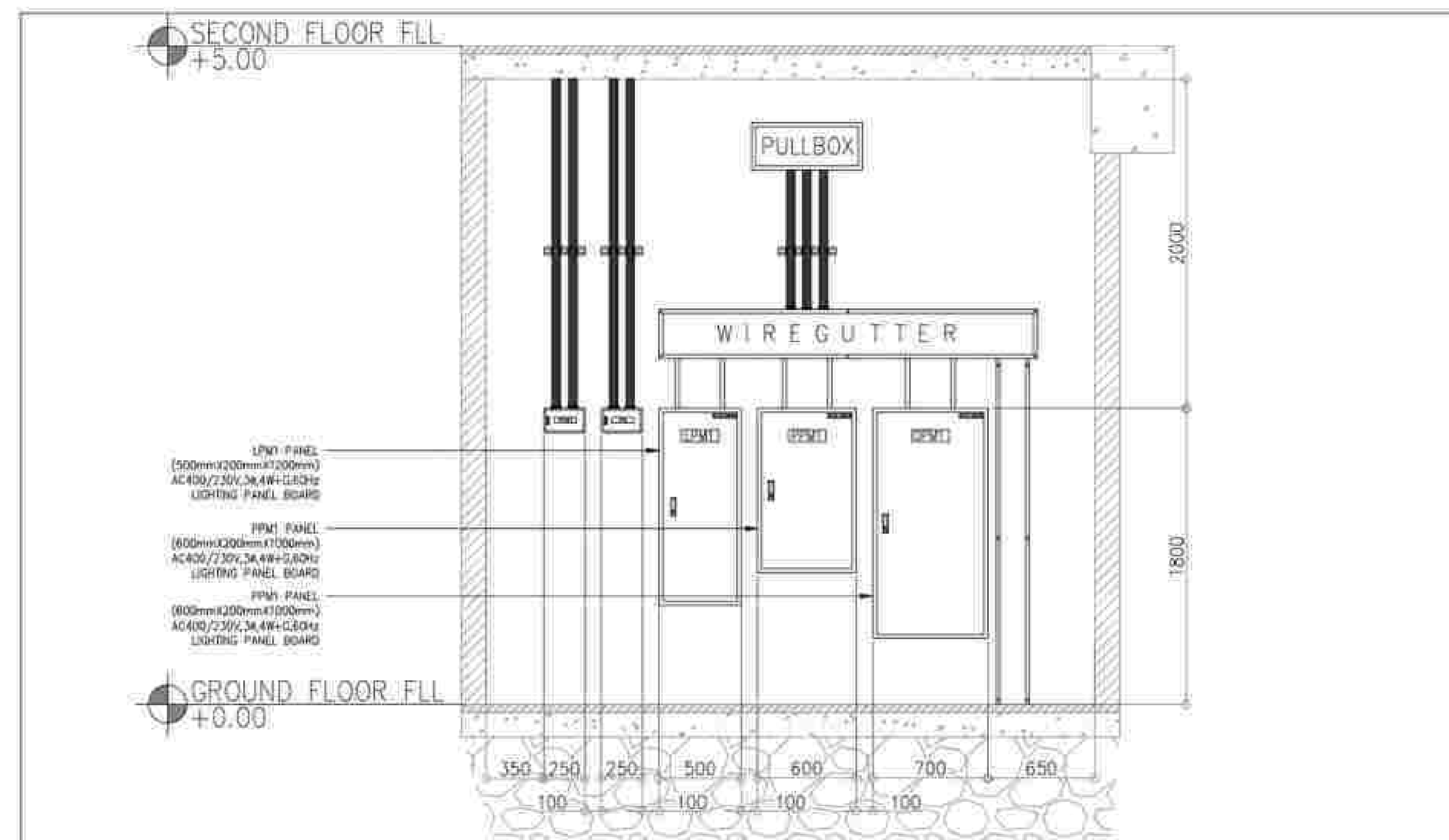
APPROVED BY: BCDA Bases Conversion and Development Authority AND: NATIONAL ACADEMY OF SPORTS N.A.S. RYAN S. GALURA OIC, SPMS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY: FILIPINAS DRAGO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOC PROJECT MANAGER	PREPARED BY: HILMAR C'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERGAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC, MUNICIPALITY OF DAPAS, TARLAC	SHEET CONTENTS: MULTI-PURPOSE GYM GROUND FLOOR, LIGHTINGS SYSTEM ASBUILT PLAN	SHEET NO.: EE1-05/1
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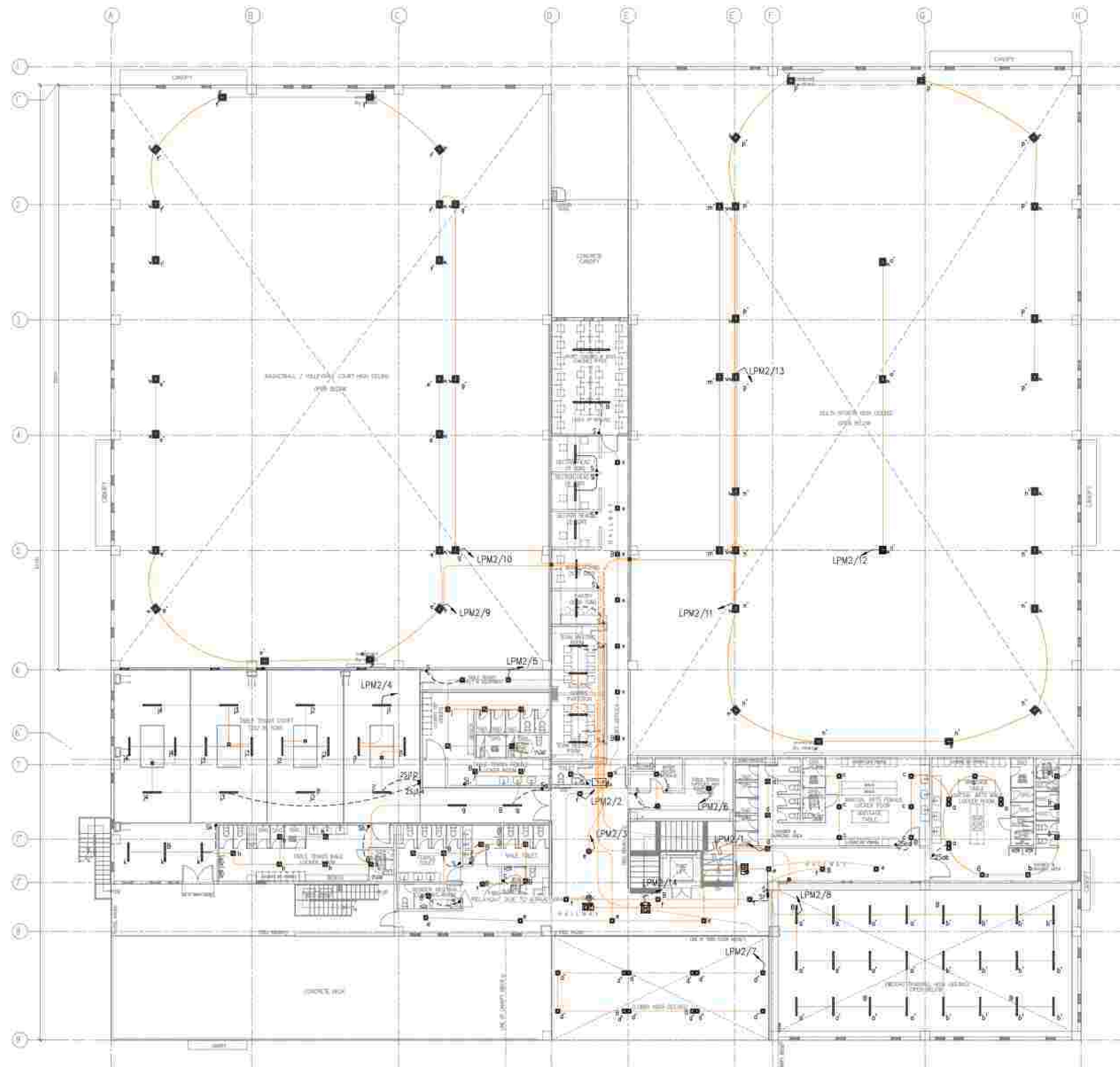
1 GF
MULTI-SPORT BUILDING
SCALE: NTS



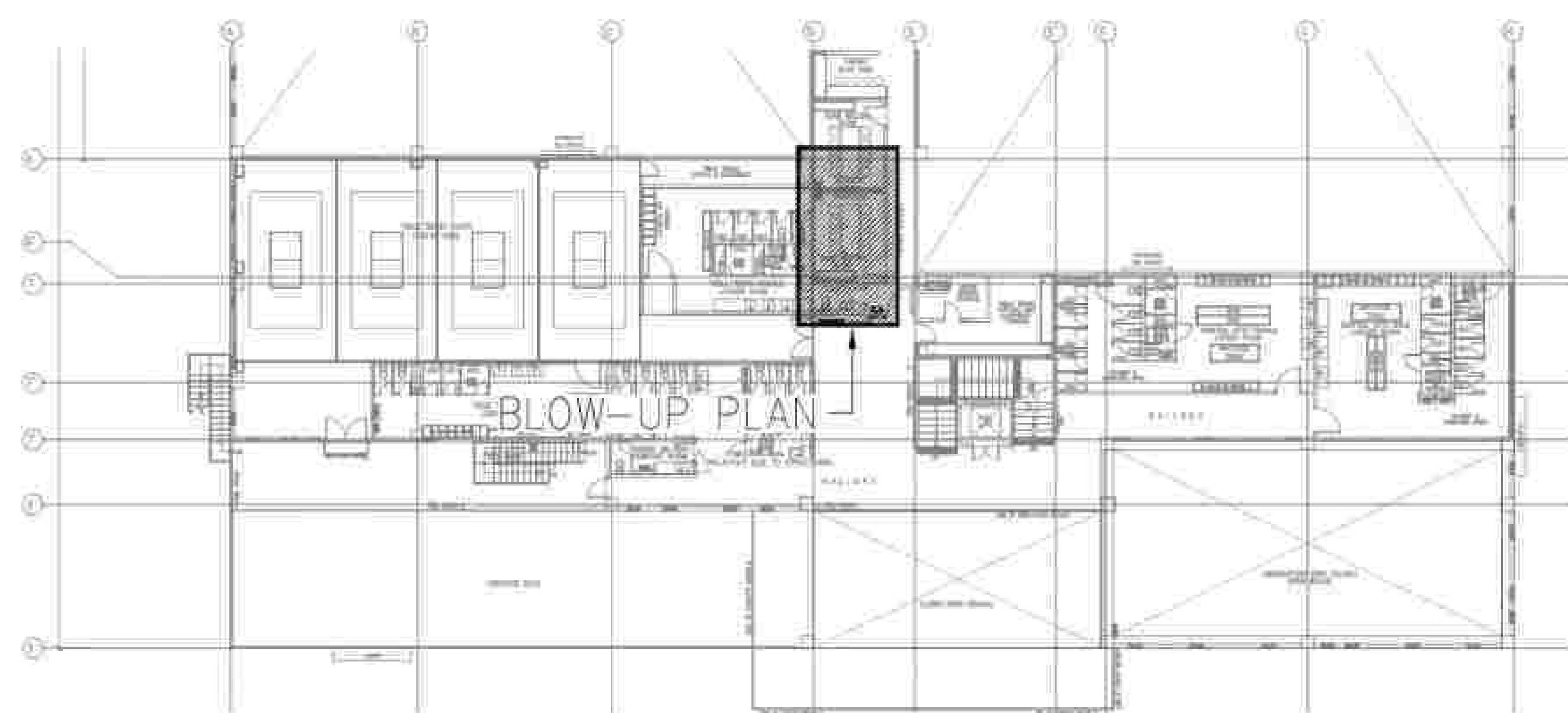
2 GF
BLOW-UP PLAN "B"
SCALE: NTS



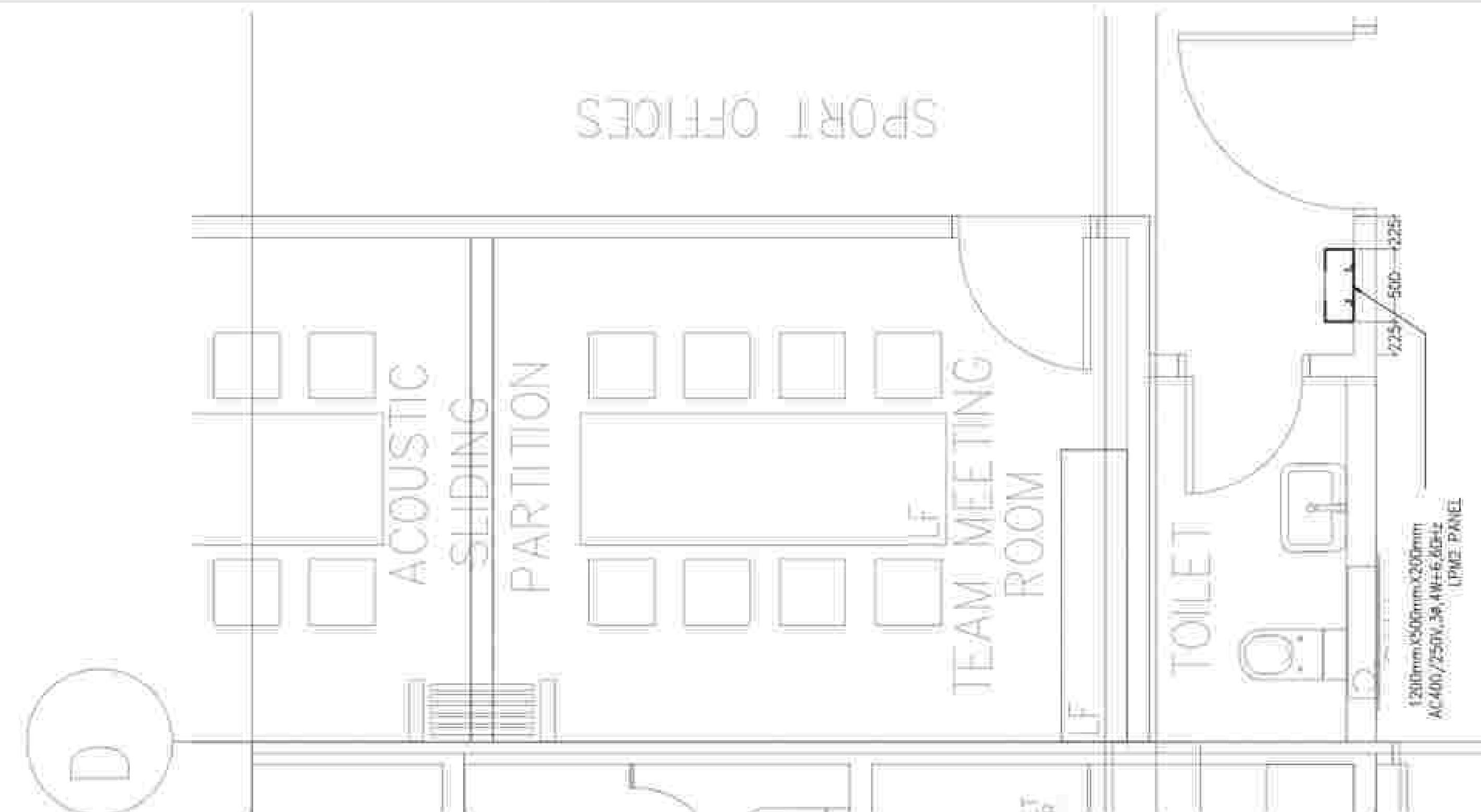
3 GF
EE PANEL SETTING-OUT & ELEVATION
SCALE: NTS



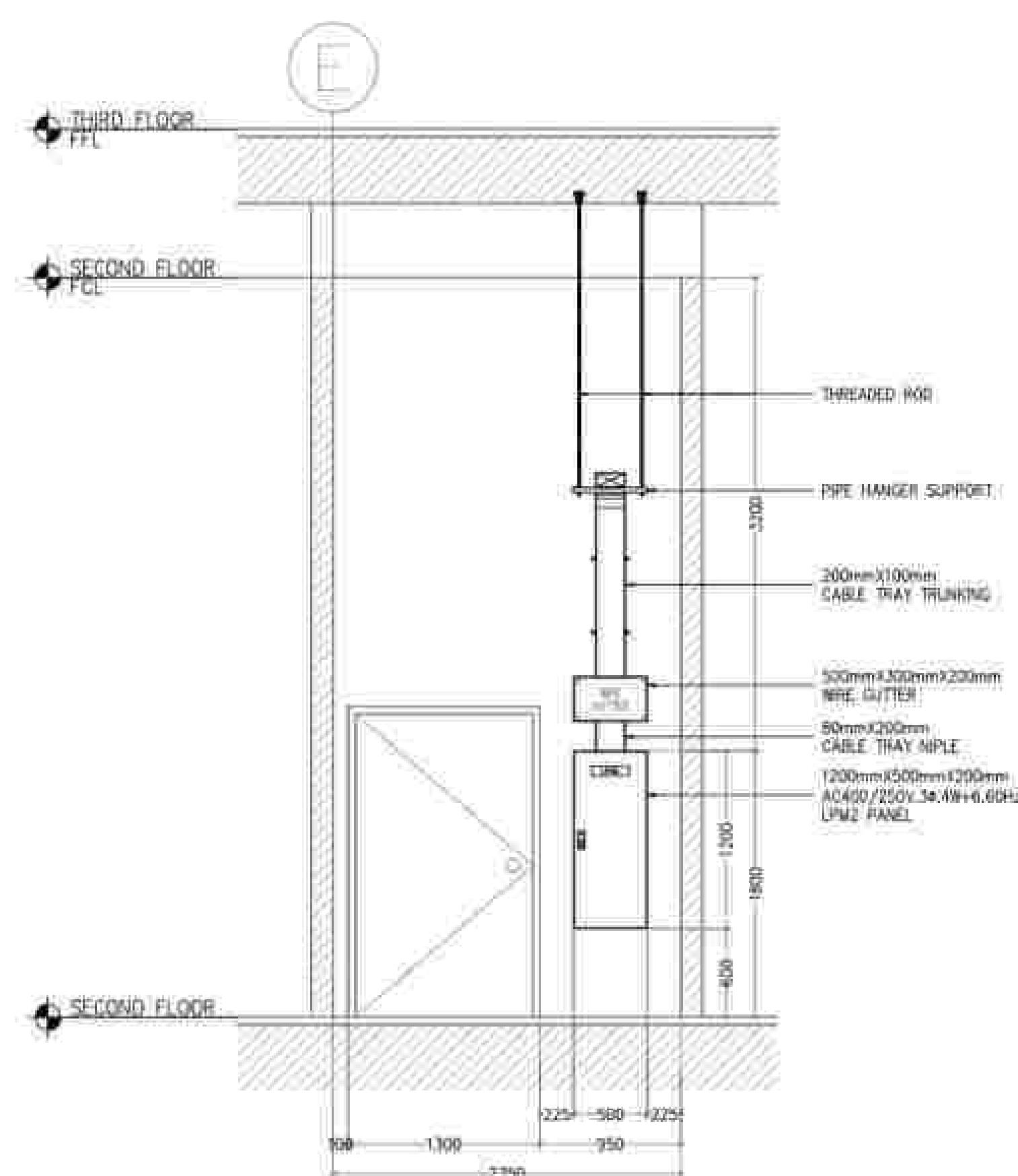
APPROVED BY: BCDA Bases Conversion and Development Authority AND: NATIONAL ACADEMY OF SPORTS RYAN S. GALURA MC, SPMS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY: FILIPINAS DRAGO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERGAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC, MUNICIPALITY OF DAPAS, TARLAC	SHEET CONTENTS: MULTI-SPORT BUILDING SECOND FLOOR, LIGHTINGS SYSTEM ASBUILT PLAN	SHEET NO.: EE1-06/1
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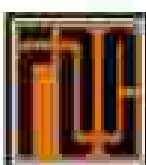
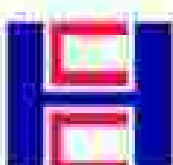
1 second floor
MSB - KEYPLAN
EE2-06 NTS

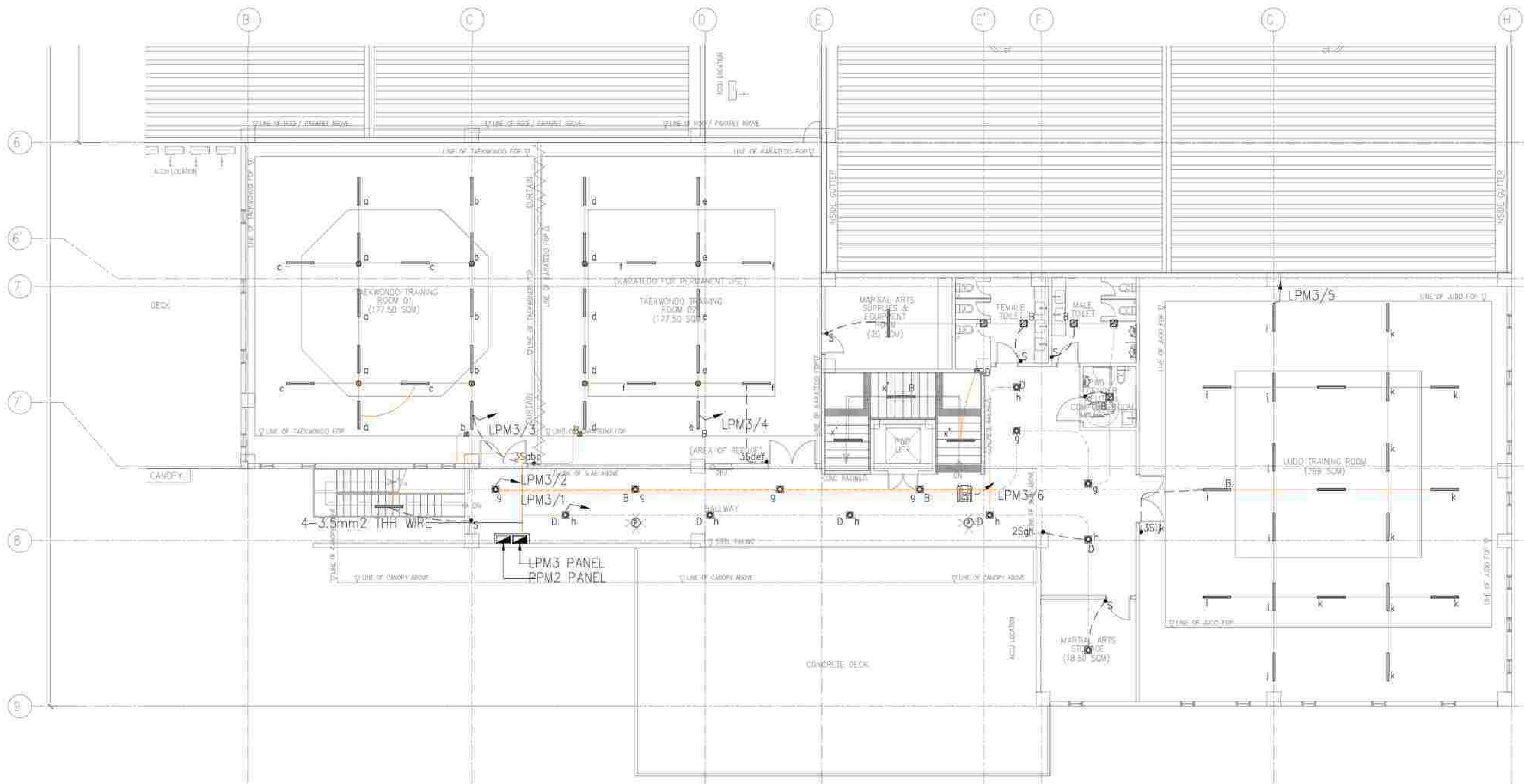


2 MSB-SECOND FLOOR
BLOW-UP PLAN
EE2-06 NTS



3 MSB - SECOND FLOOR
ELEVATION "A"
EE2-06 NTS

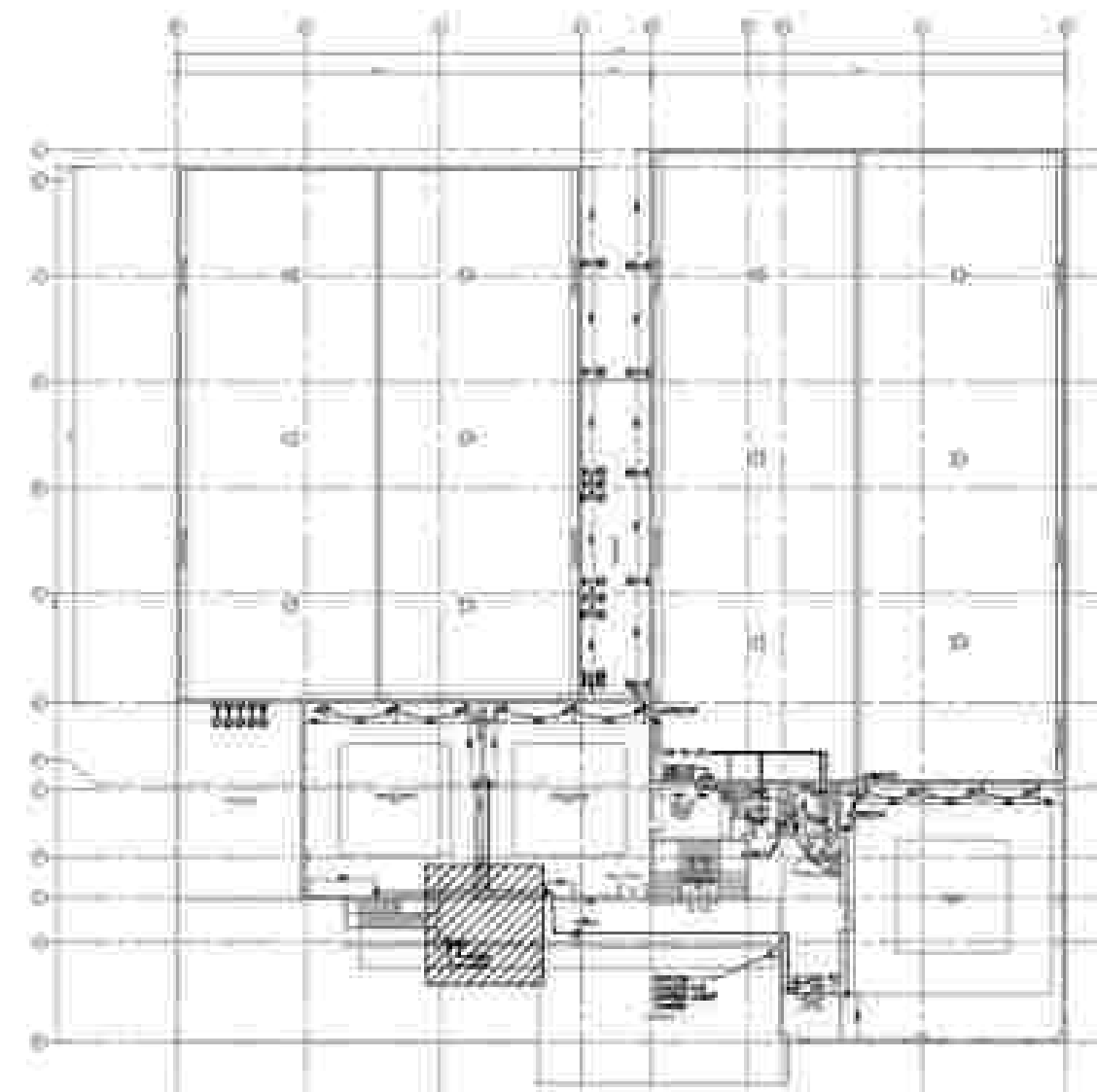
APPROVED BY:  Bases Government and Development Authority RYAN S. GALURA IEC, SPNO	DESIGNED BY:  NATIONAL ACADEMY OF SPORTS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	PREPARED BY:  FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY:  HILMARC'S CONSTRUCTION CORPORATION 1835 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 8554-3511 JESUS V. MENDAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC, MUNICIPALITY OF CAPAS, TARLAC	SHEET CONTENTS: MULTI-SPORT BUILDING SECOND FLOOR, EE PANEL AS-BUILT PLAN	SHEET NO.: EE1-06/2
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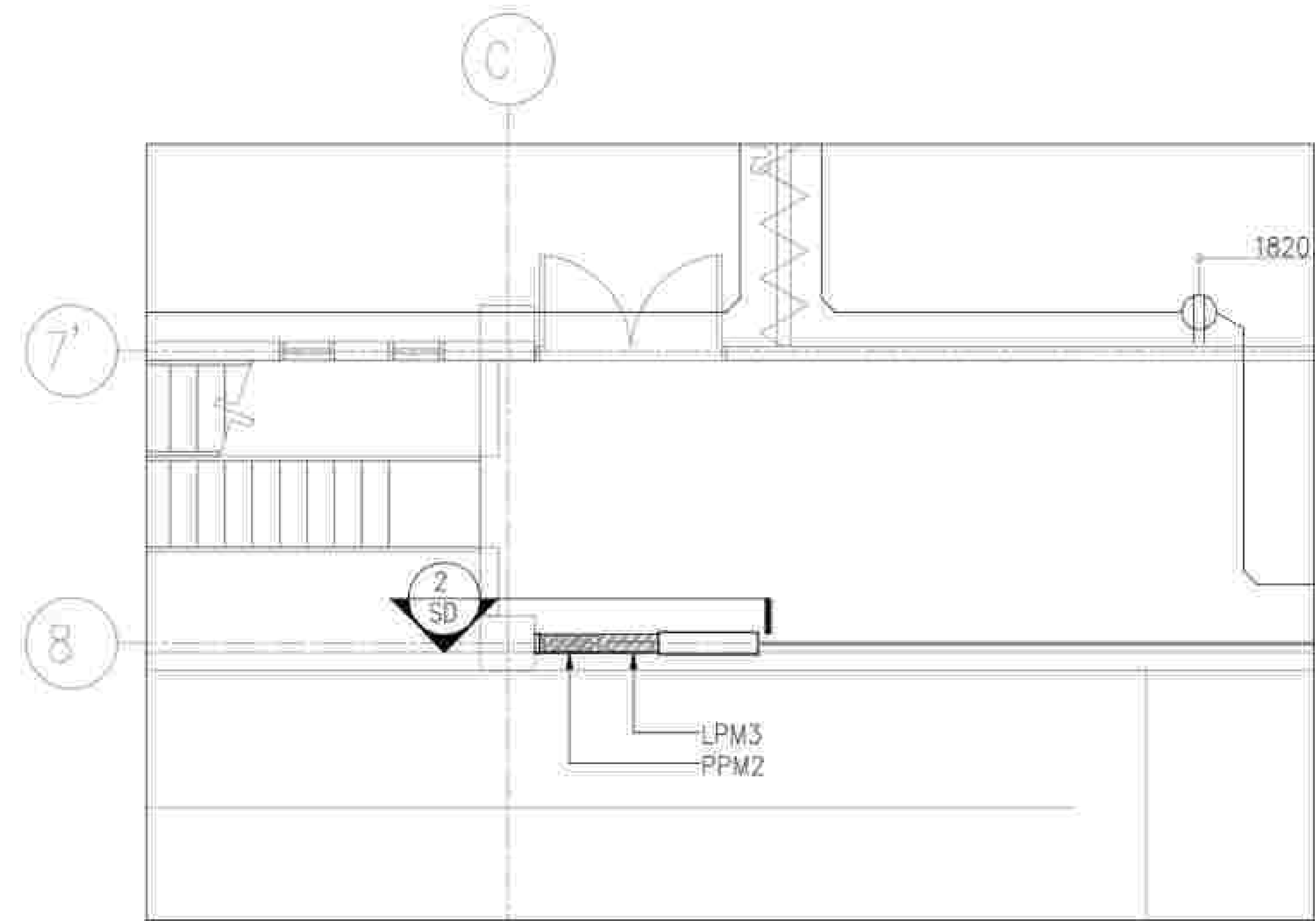
APPROVED BY: BCDA Bases Conversion and Development Authority AND: NATIONAL ACADEMY OF SPORTS RYAN S. GALURA ERC, SPMS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY: FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SA, AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERGAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TARLAC	SHEET CONTENTS: MULTI-SPORT BUILDING THIRD FLOOR, LIGHTINGS SYSTEM ASBUILT PLAN	SHEET NO.: EE1-07/1
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NOTE:

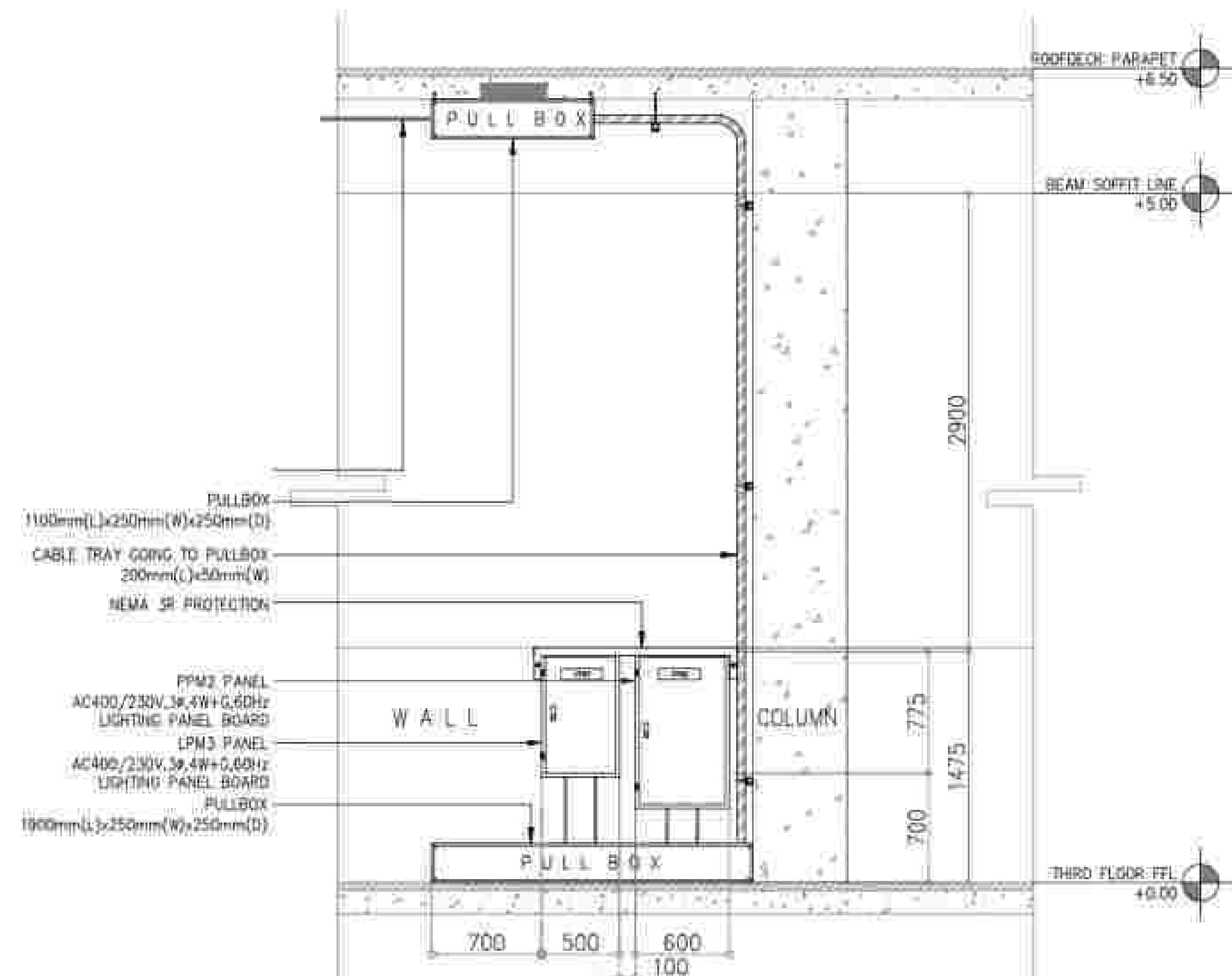
1. HOMERUN OF LIGHTINGS AT ORIGINAL LOCATION WILL BE DISREGARDED DUE TO RELOCATION OF PANEL BOARDS. HOMERUN FOR LIGHTINGS WILL BE EXPOSED LAYOUTS.



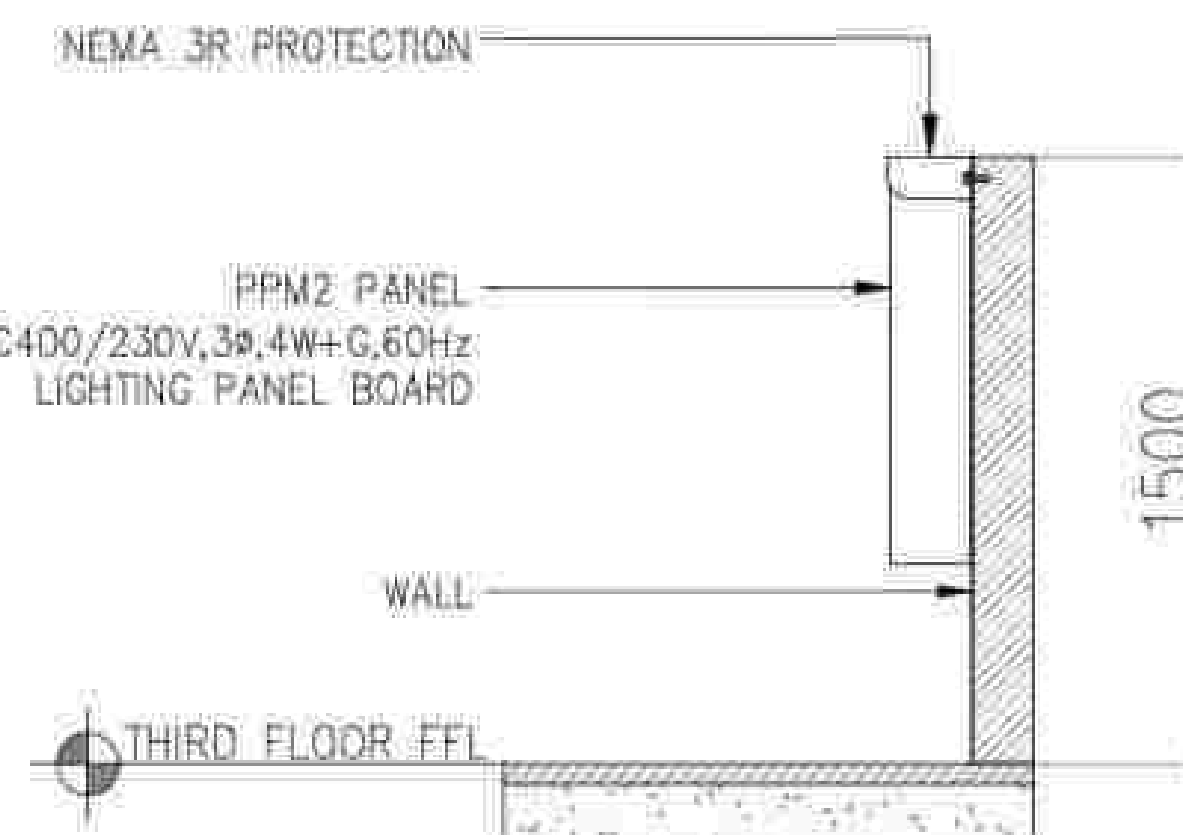
MULTI-SPORT BUILDING
THIRD FLOOR KEYPLAN
SCALE: NTS



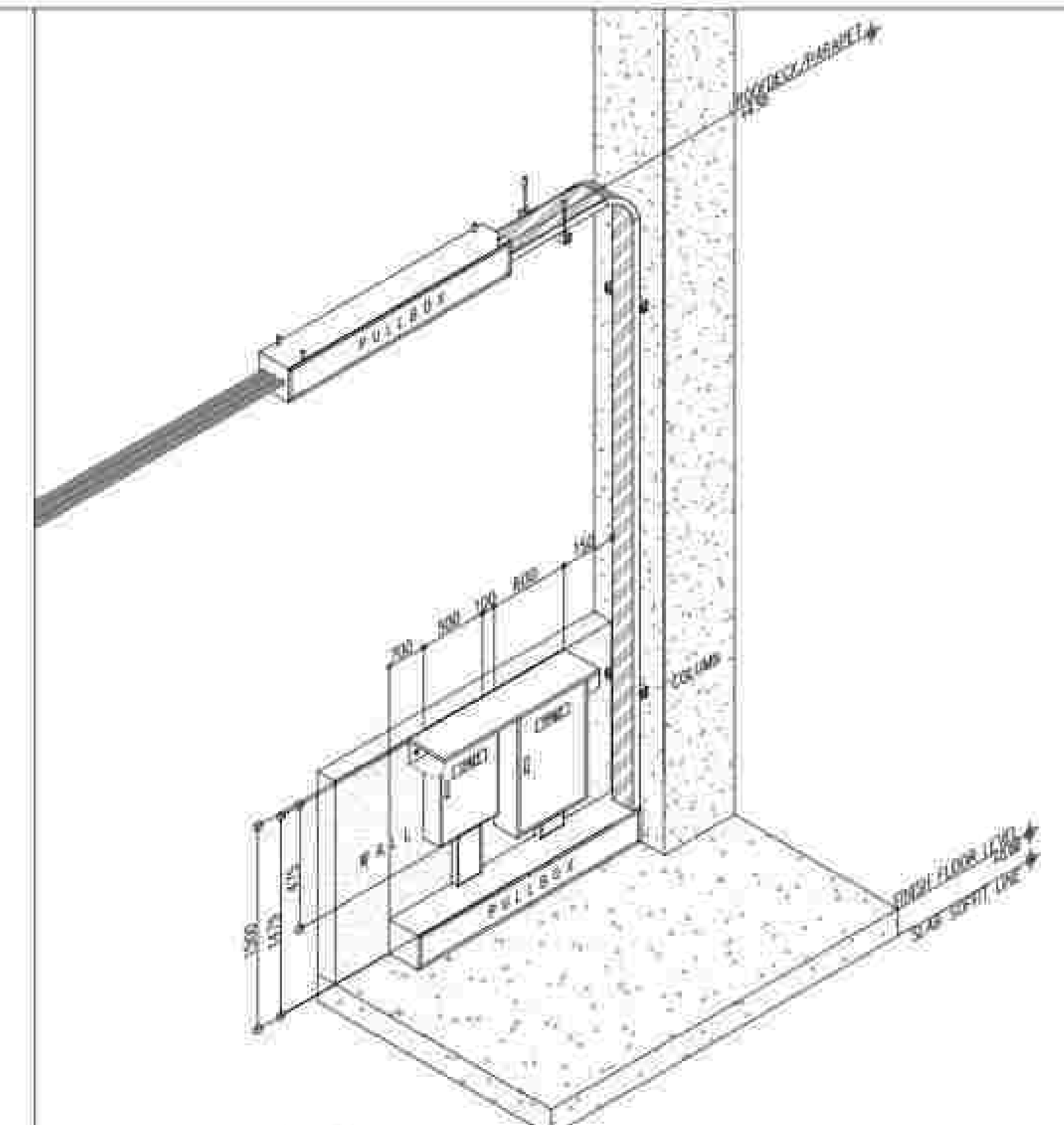
MULTI-SPORT BUILDING
THIRD FLOOR PANEL BLOW-UP PLAN
SCALE: NTS



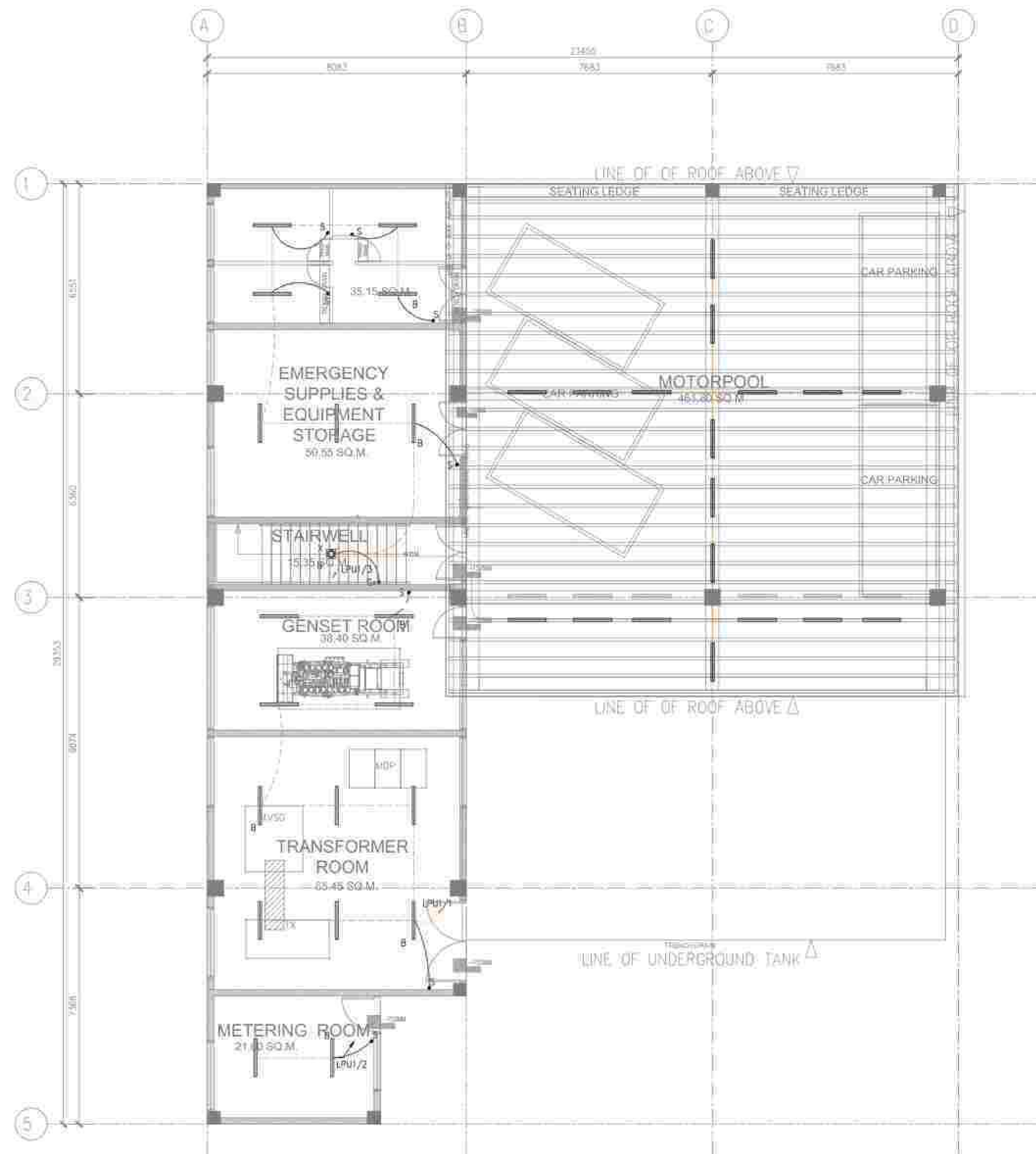
RDAED-MSB-3F-OPTION 2
PROPOSED SETTING-OUT OF LPM3 & PPM2 PANEL
SCALE: NTS

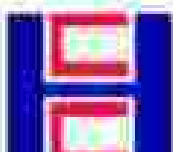


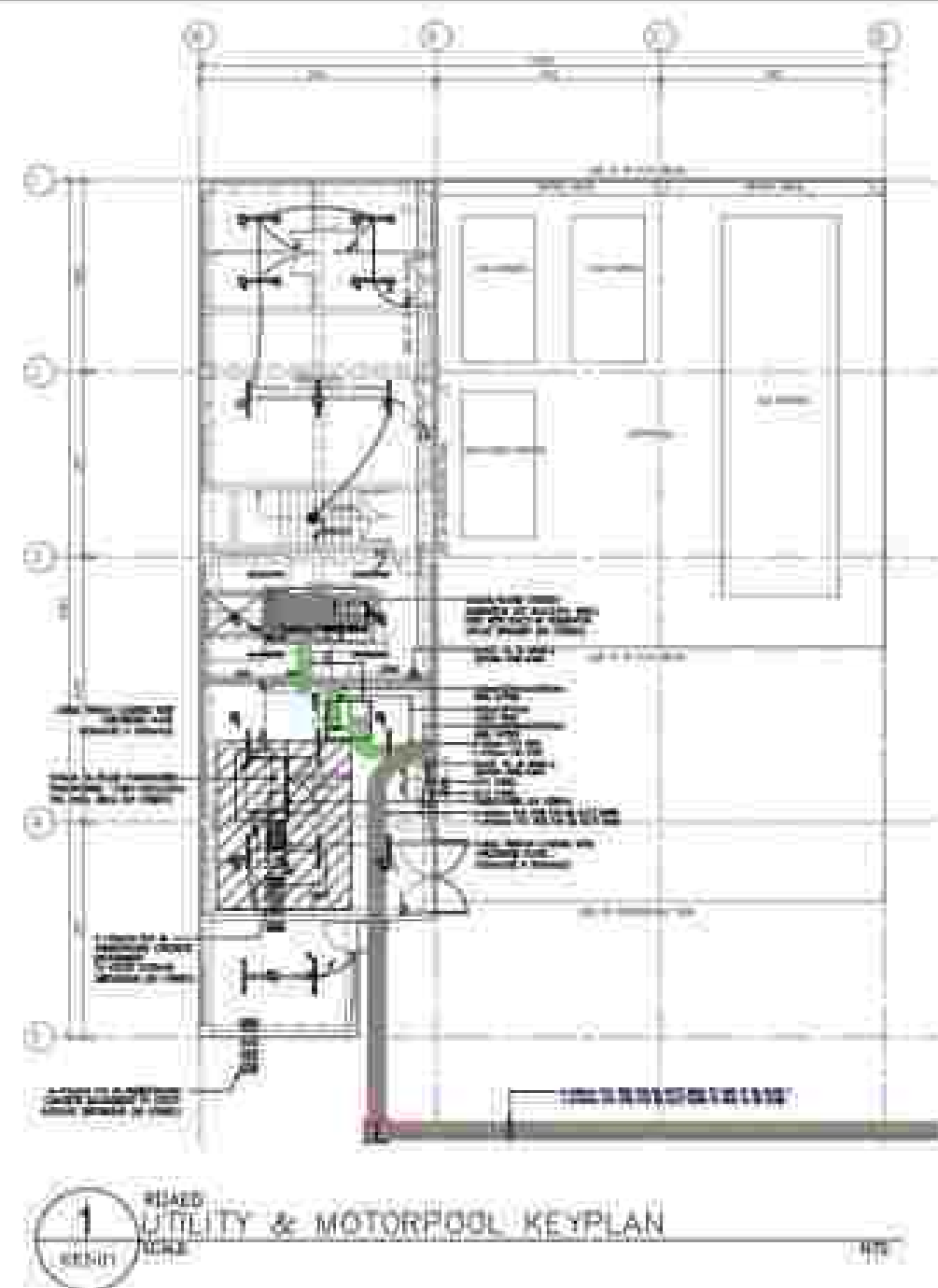
RIGHT SIDE VIEW
SCALE: NTS



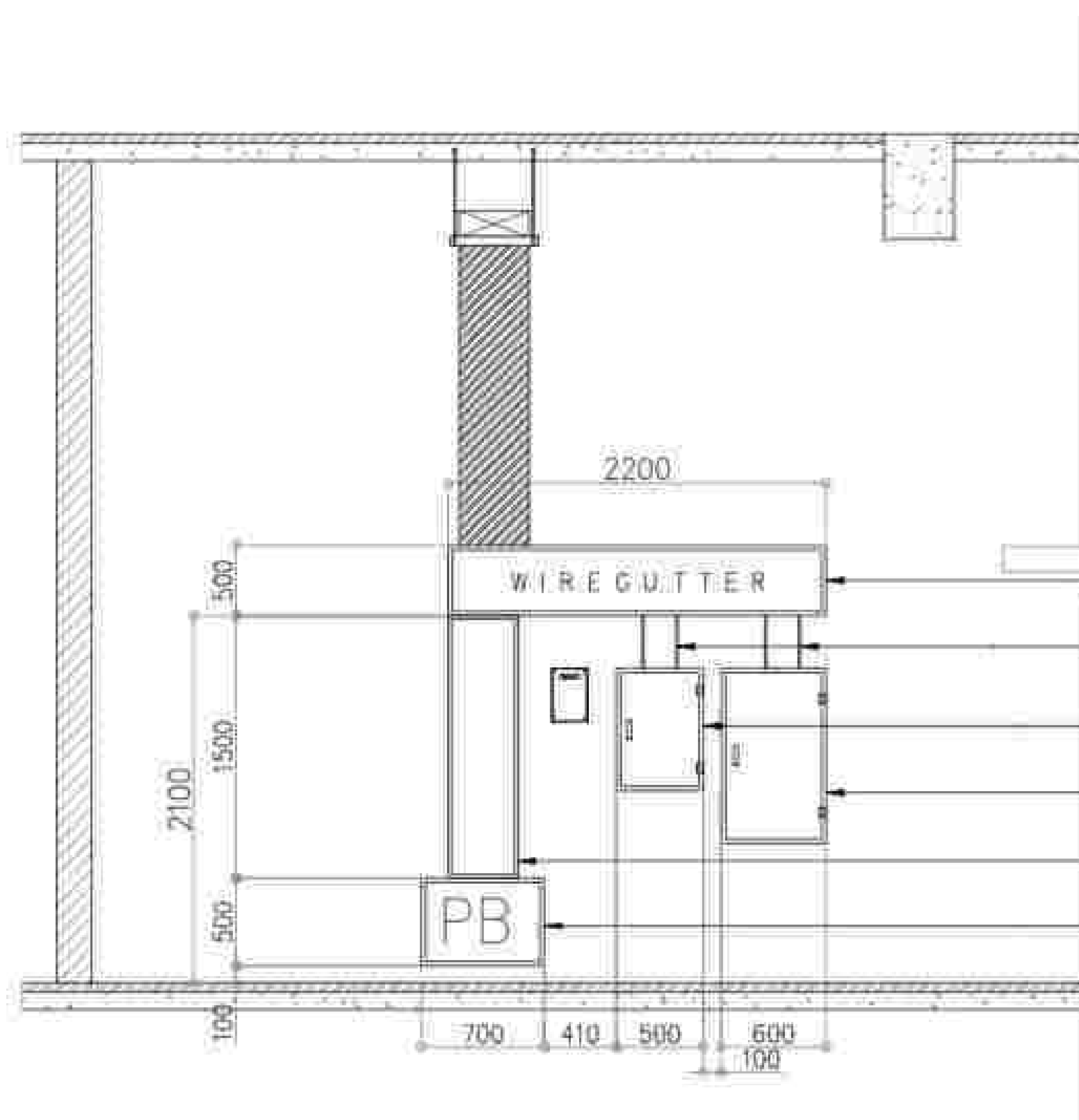
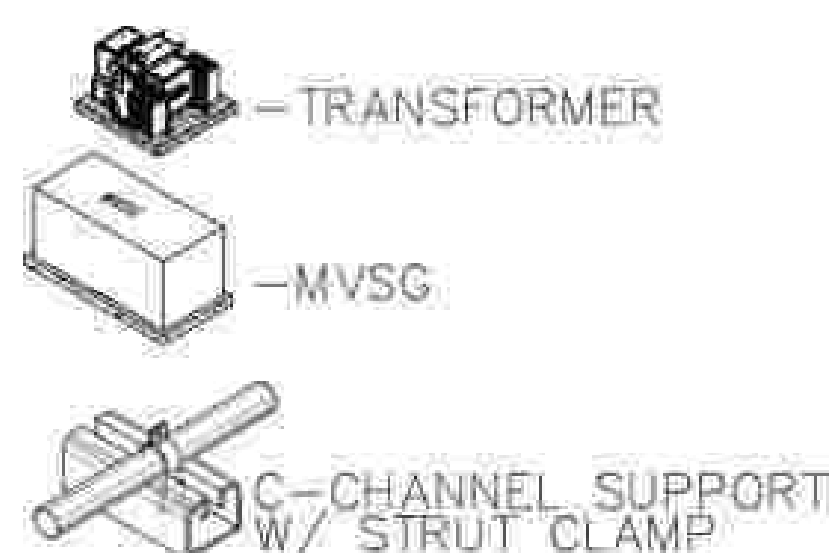
ISOMETRIC VIEW
SCALE: NTS



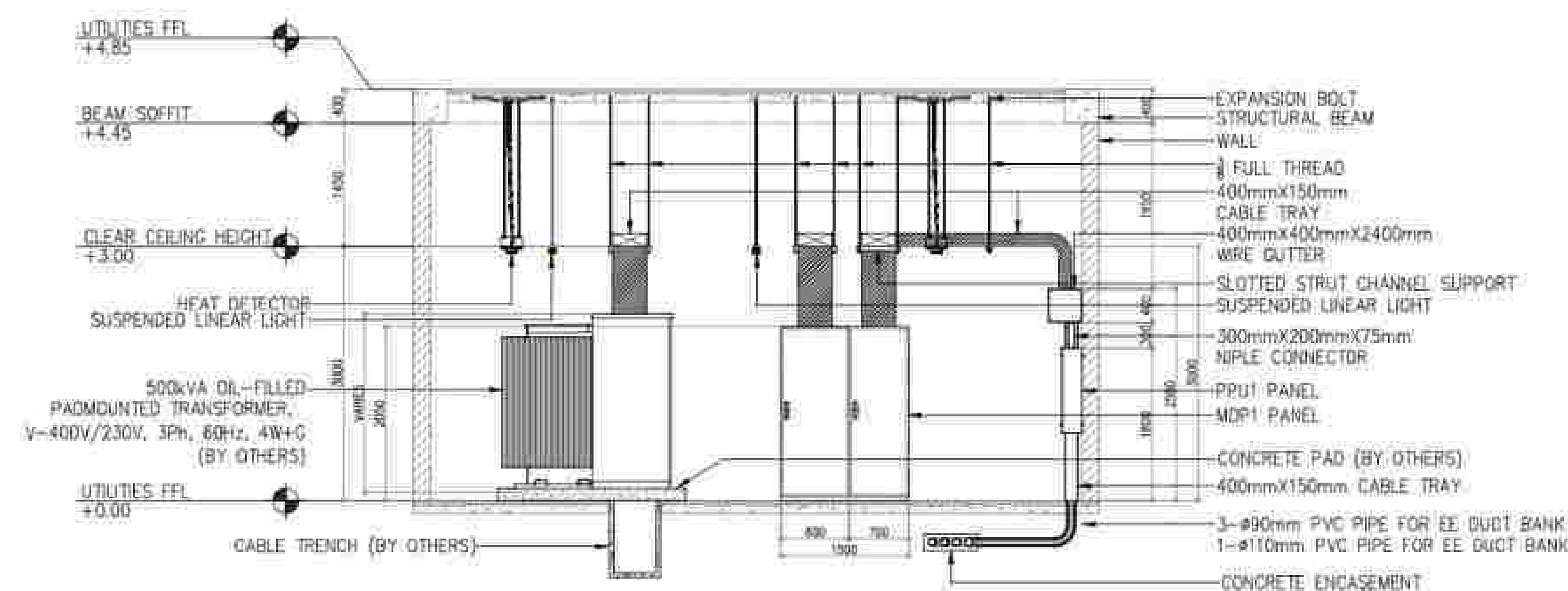
APPROVED BY:	CHECKED BY:	PREPARED BY:	PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:
 Bases Conversion and Development Authority	 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TARLAC	UTILITY & MOTORPOOL LIGHTINGS SYSTEM AS-BUILT PLAN LAYOUT	EE1-09/1
RYAN S. GALURA ERC, SPMS	JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	SALVADOR D. PALISOC PROJECT MANAGER	JESUS V. HERDAS PROJECT MANAGER		



LEGENDS:

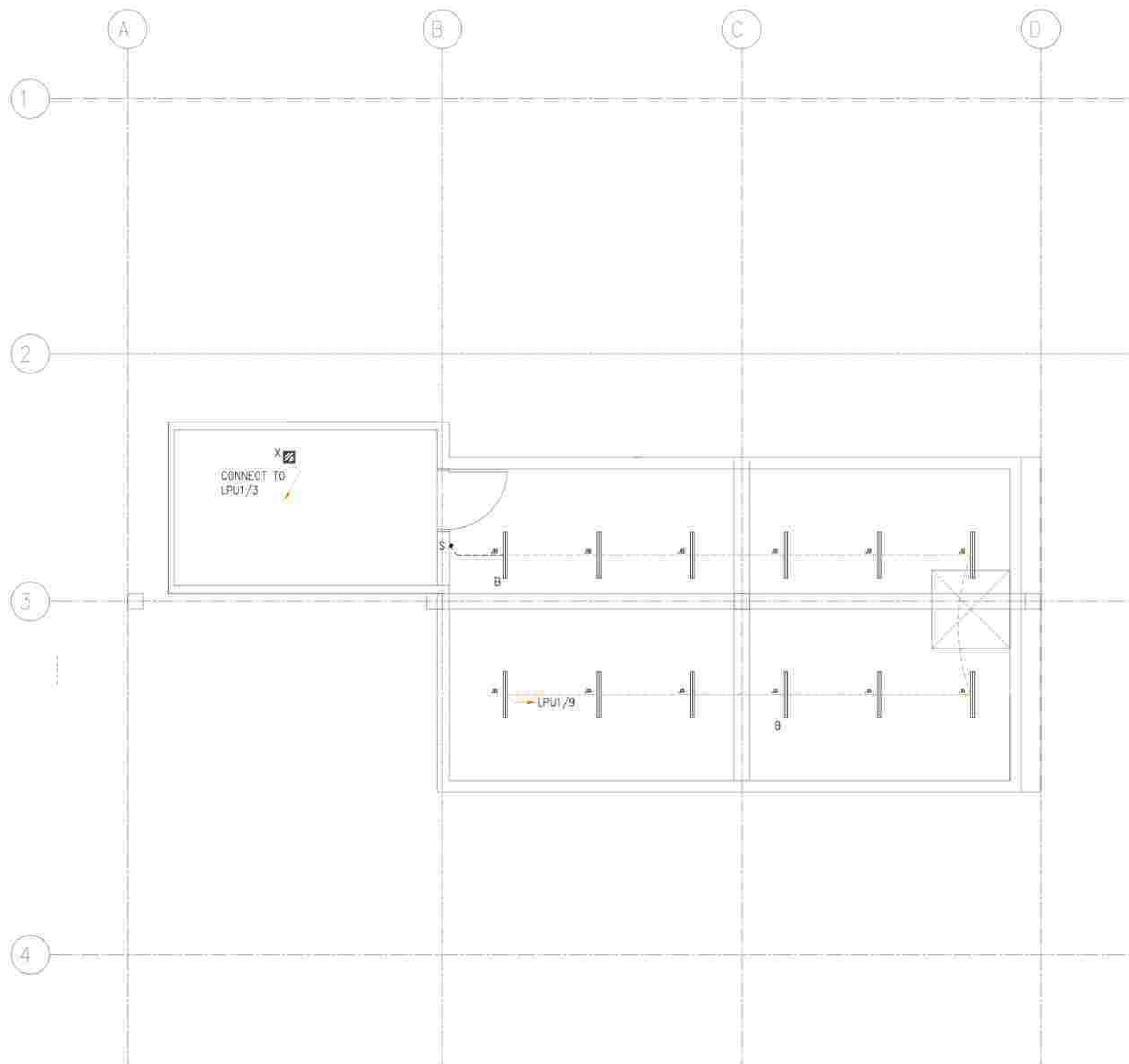


WIRE GUTTER
2200mm(L) x 500mm(H) x 400mm(W)
300mm x 200mm x 75mm
NIPPLE CONNECTOR
LPU1 PANEL
500mm(L) x 700mm(H) x 140mm(W)
PPU1 PANEL
600mm(L) x 1000mm(H) x 250mm(W)
CABLE TRAY
400mm(H) x 150mm(D)
PULL BOX
700mm(L) x 500mm(H) x 400mm(W)

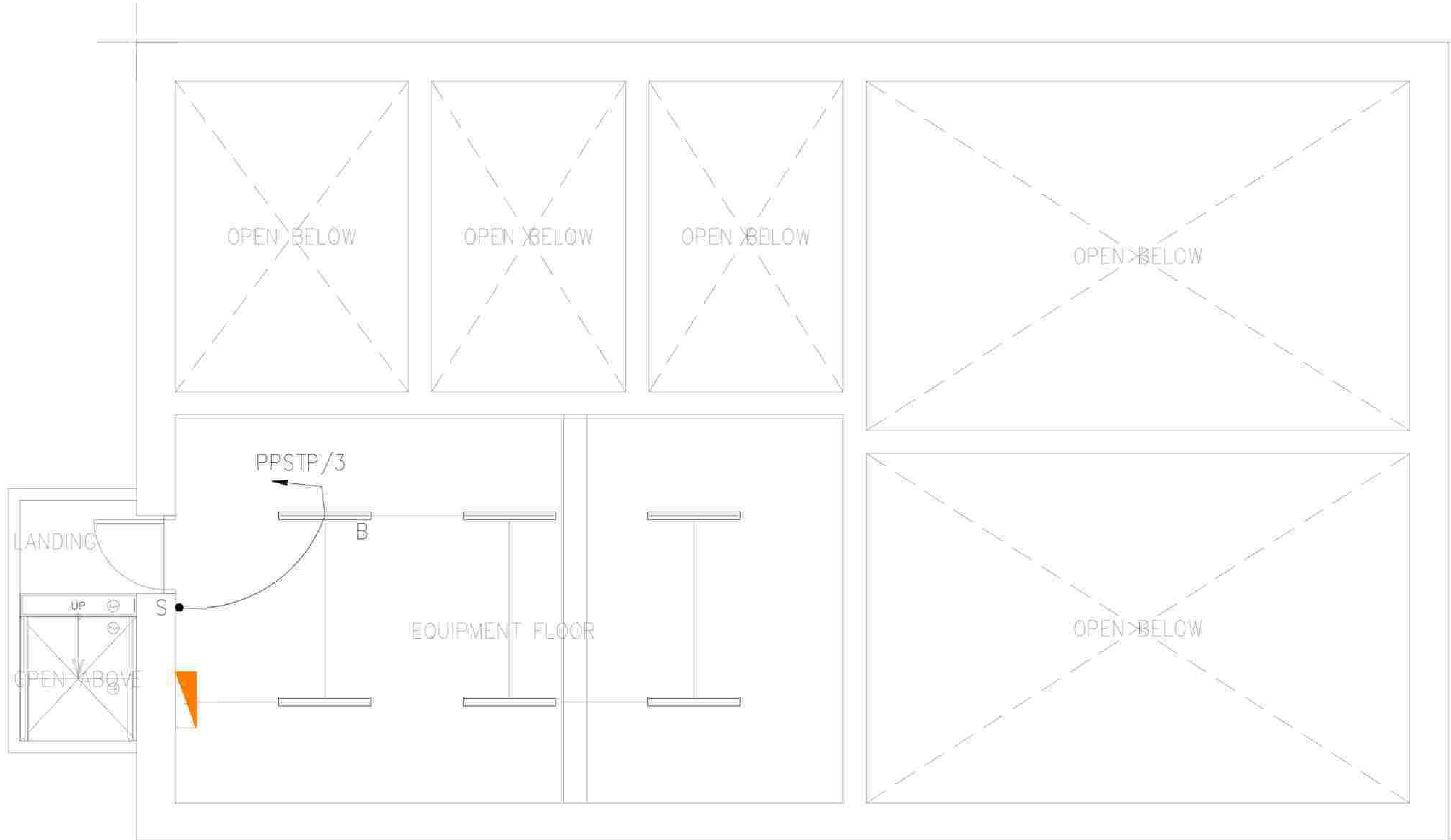


2
SD-EE5-1
RDAED-UTILITY & MOTORPOOL
PROPOSED EE PANEL SETTING-OUT & ELEVATION
SCALE: NTS

APPROVED BY: BCDA Bases Conversion and Development Authority RYAN S. GALURA DEC. 2016	CHECKED BY: FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOC PROJECT MANAGER	PREPARED BY: HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY TEL. NO. 854-3911 JESUS V. HERGAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC, MUNICIPALITY OF DAPAS, TARLAC	SHEET CONTENTS: UTILITY & MOTORPOOL EE PANEL SETTING-OUT AS-BUILT	SHEET NO.: EE1-09/2
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APPROVED BY: BCDA Bases Conversion and Development Authority RYAN B. GALURA SIC 096	CHECKED BY: FILIPINAS DRAGO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY: HILMAR'S CONSTRUCTION CORPORATION 1838 E. RIVERVIEW/123RD AVENUE CUBAO, QUEZON CITY (TEL. NO. 8054-3811) JESUS V. HERBES PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC, MUNICIPALITY OF CAGAS, TARLAC	SHEET CONTENTS: UNDERGROUND TANKS & PUMP ROOM, LIGHTINGS SYSTEM ASBUILT PLAN LAYOUT	SHEET NO.: EE1-10
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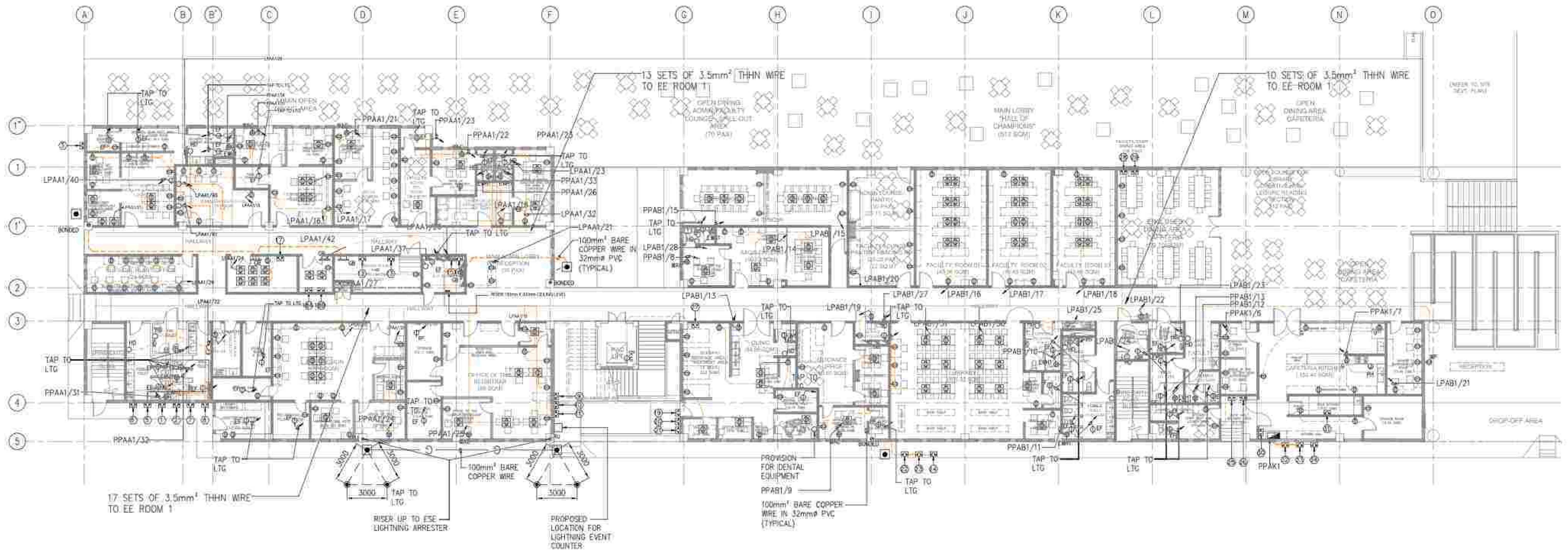
1 BLOW-UP PLAN

1 BLOW-UP PLAN
SCALE: _____ NTS

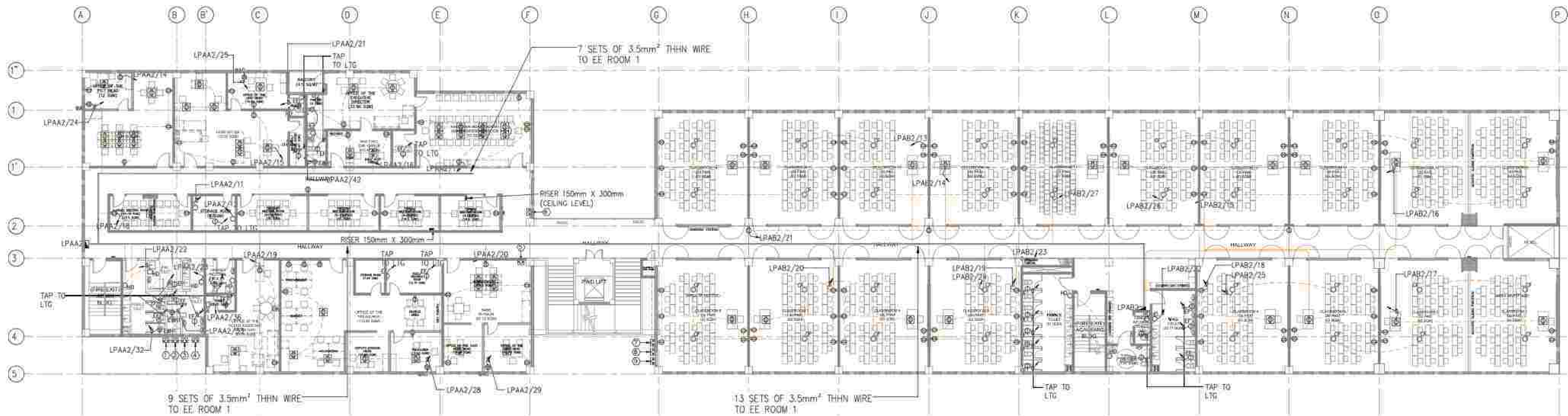
2 SECTION "A" DETAILS
SCALE: _____ NTS

2 SECTION "B" DETAILS
SCALE: _____ NTS

- ① ECB-ACCU-A-GF-01A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/12
- ② ECB-ACCU-A-GF-01B
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/13
- ③ ECB-ACCU-A-GF-01
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/5
- ④ NOT USED
- ⑤ ECB-ACCU-A-GF-7
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/7
- ⑥ ECB-ACCU-A-GF-30
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/14
- ⑦ ECB-ACCU-A-GF-28A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/15
- ⑧ ECB-ACCU-A-GF-28B
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/16
- ⑨ ECB-ACCU-A-GF-10
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/9
- ⑩ ECB-ACCU-A-GF-11
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/10
- ⑪ ECB-ACCU-A-GF-12
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/11
- ⑫ ECB-PACU-A-GF-01A (DUTY)
80AT, 3P, 400V
IN NEMA-1 ENCLOSURE
PPAA1/1
- ⑬ ECB-PACU-A-GF-01B (STANDBY)
80AT, 3P, 400V
IN NEMA-1 ENCLOSURE
PPAA1/2
- ⑭ NOT USED
- ⑮ ECB-FAF-A-GF-2
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/18
- ⑯ ECB-FAF-A-GF-3
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA1/19
- ⑰ ECB-TELCO
100AT, 3P, 400V
IN NEMA-1 ENCLOSURE
PPAA1/8
- ⑱ ECB-DC1
60AT, 3P, 400V
IN NEMA-3R ENCLOSURE
PPAA1/8
- ⑲ ECB-DC2
60AT, 3P, 400V
IN NEMA-3R ENCLOSURE
PPAA1/9
- ⑳ ECB-ACCU-A-GF-21
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/1
- ㉑ ECB-ACCU-A-GF-22
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/2
- ㉒ ECB-ACCU-A-GF-23
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/3
- ㉓ ECB-ACCU-A-GF-24
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/4
- ㉔ ECB-ACCU-A-GF-25A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/5
- ㉕ ECB-ACCU-A-GF-25B
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/6
- ㉖ ECB-ACCU-A-GF-26
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/9
- ㉗ ECB-ACCU-A-GF-27
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/11
- ㉘ ECB-FAF-A-GF-05
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/17
- ㉙ ECB-FAF-A-GF-04
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/16
- ㉚ ECB-FAF-A-GF-06
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB1/18
- ㉛ ECB-HSE-A-GF-01
20AT, 3P, 400V
IN NEMA-3R ENCLOSURE
PPAK1/2
- ㉜ ECB-COLD STORAGE
20AT, 3P, 400V
IN NEMA-3R ENCLOSURE
PPAK1/3
- ㉝ ECB-ACCU-A-GF-31A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAK1/12
- ㉞ ECB-ACCU-A-GF-31B
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAK1/13
- ㉟ ECB-ACCU-A-GF-31C
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAK1/15

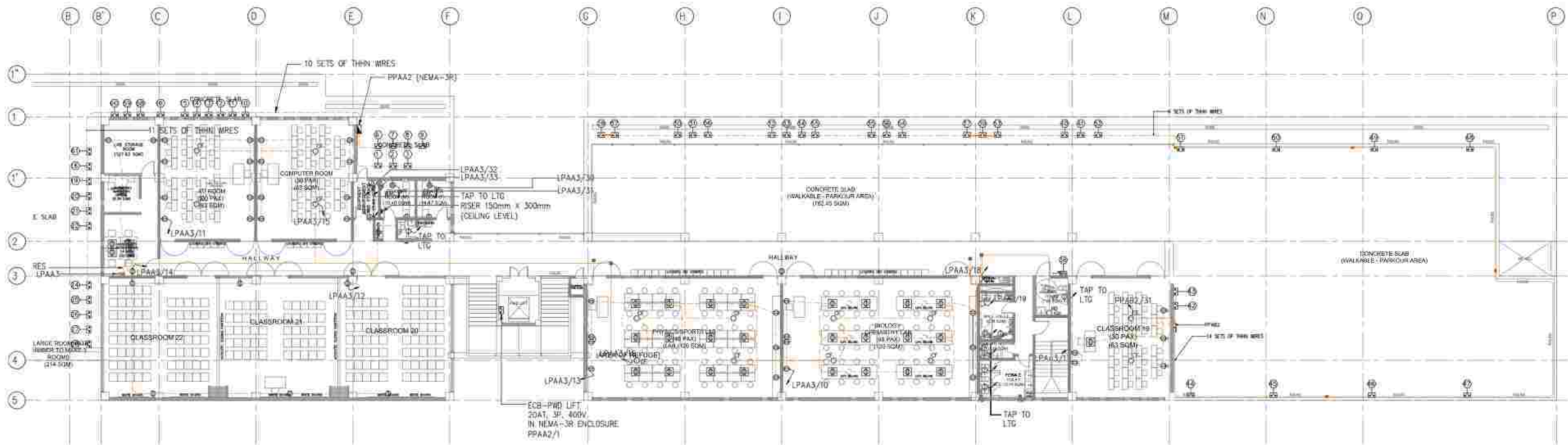


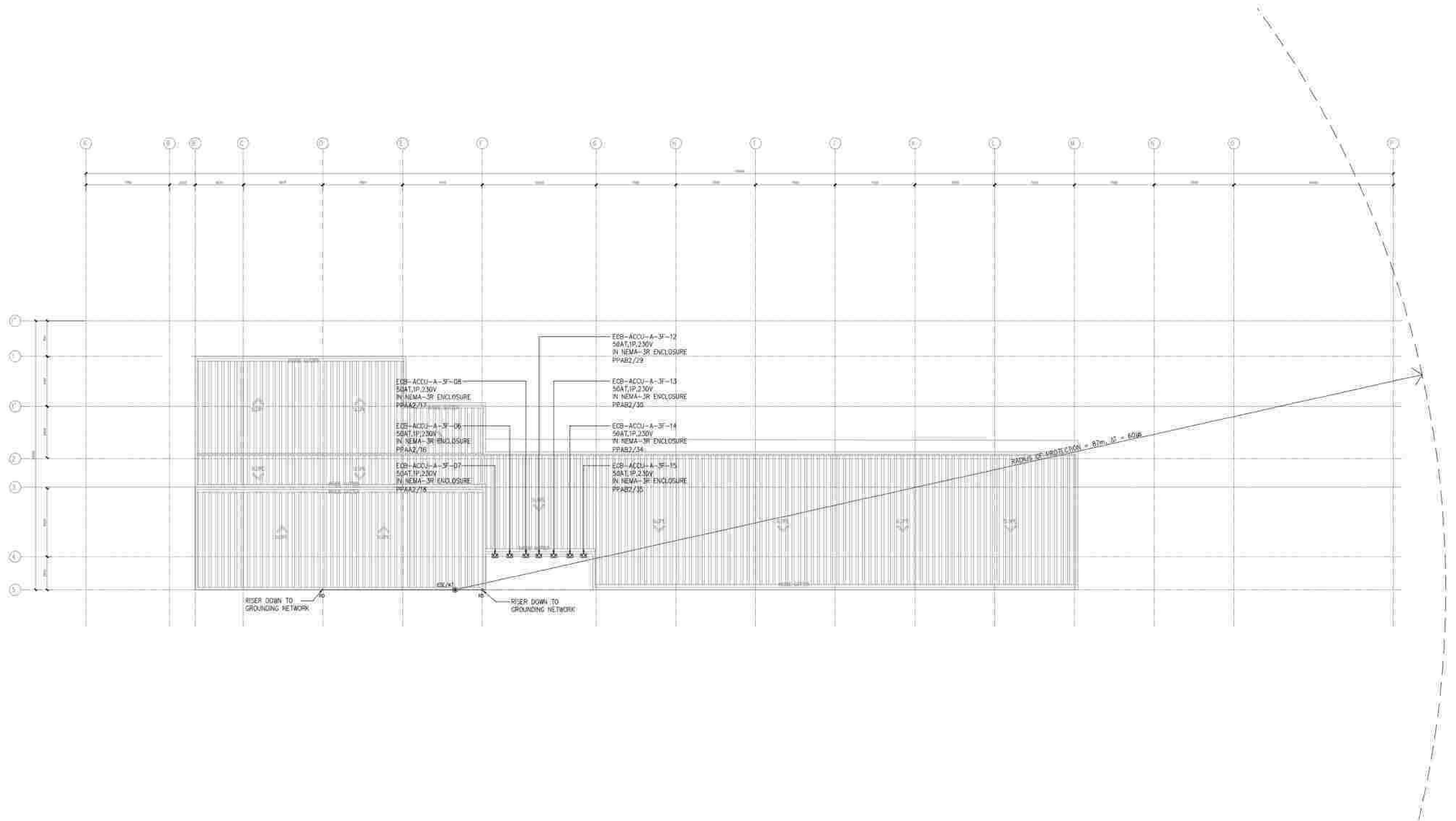
- ① ECB-ACCU-A-2F-1A
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
LPAA2/37
- ② ECB-ACCU-A-2F-1B
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
LPAA2/38
- ③ ECB-ACCU-A-2F-1C
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
LPAA2/39
- ④ ECB-ACCU-A-2F-9
30AT, 1P, 230V
IN NEMA-3R ENCLOSURE
LPAA2/40
- ⑤ ECB-FAP-A-2F-1
20AT, 1P, 230V
IN NEMA-1 ENCLOSURE
LPAA2/34
- ⑥ ECB-FAP-A-2F-2
20AT, 1P, 230V
IN NEMA-1 ENCLOSURE
LPAA2/35
- ⑦ ECB-ACCU-A-2F-14
50AT, 1P, 230V
IN NEMA-1 ENCLOSURE
LPAB2/36
- ⑧ ECB-ACCU-A-2F-15
50AT, 1P, 230V
IN NEMA-1 ENCLOSURE
LPAB2/33
- ⑨ ECB-ACCU-A-2F-16
50AT, 1P, 230V
IN NEMA-1 ENCLOSURE
LPAB2/35

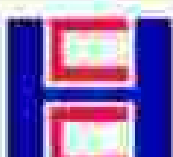


APPROVED BY: BCDA Bases Conversion and Development Authority RYAN S. GALURA SEC. SPMS	CHECKED BY: FILIPINAS DRAGO CORPORATION Consulting Engineering & Architectural Services JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY TEL. NO. 854-3011 JESUS V. HERGAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TAYLAC	SHEET CONTENTS: ACADEMIC & ADMIN BUILDING SECOND FLOOR POWER SYSTEM AS-BUILT PLAN LAYOUT	SHEET NO.: EE2-02
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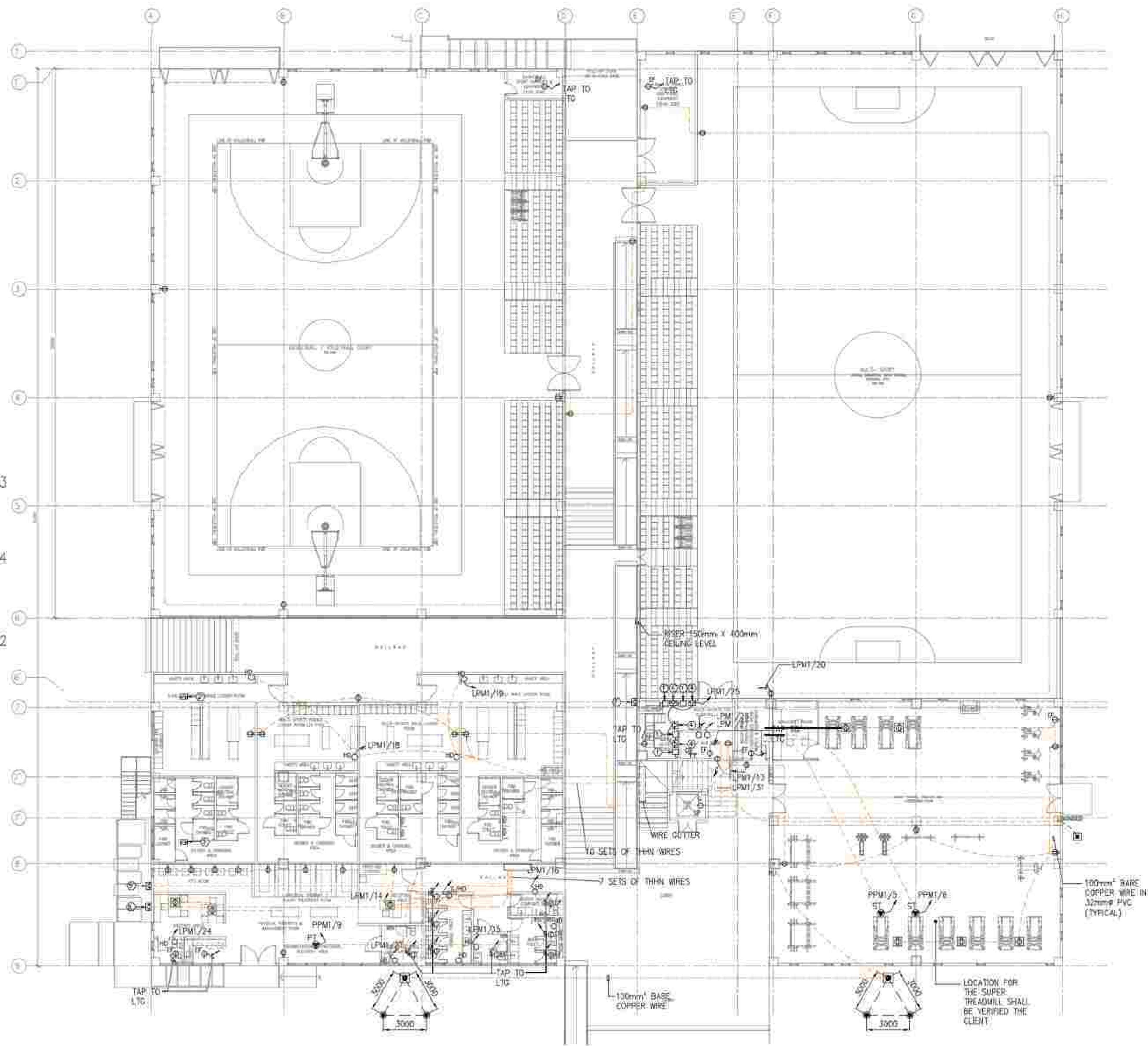
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|--|--|--|--|--|--|---|--|--|--|---|
| ① ECB-ACCU-A-2F-06
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/13 | ② ECB-ACCU-A-2F-07
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/20 | ③ ECB-ACCU-A-2F-08
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/7 | ④ ECB-ACCU-A-2F-09
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/25 | ⑤ ECB-ACCU-A-2F-04
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/28 | ⑥ ECB-ACCU-A-2F-15
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/3 | ⑦ ECB-ACCU-A-2F-20
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/9 | ⑧ ECB-ACCU-A-2F-16
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/13 | ⑨ ECB-ACCU-A-2F-22
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/19 | ⑩ ECB-ACCU-A-2F-28
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/25 | ⑪ ECB-ACCU-A-2F-11A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/35 |
| ⑫ ECB-ACCU-A-2F-02
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/14 | ⑬ ECB-ACCU-A-2F-13A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/3 | ⑭ ECB-ACCU-A-2F-03
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/8 | ⑮ ECB-ACCU-A-2F-03
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/32 | ⑯ ECB-ACCU-A-2F-03
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/29 | ⑰ ECB-ACCU-A-2F-16
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/4 | ⑱ ECB-ACCU-A-2F-01
20AT, 3P, 400V
IN NEMA-3R ENCLOSURE
PPAB2/2 | ⑲ ECB-ACCU-A-2F-17
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/14 | ⑳ ECB-ACCU-A-2F-23
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/20 | ㉑ ECB-ACCU-A-2F-29
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/26 | ㉒ ECB-ACCU-A-2F-11A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/36 |
| ㉓ ECB-ACCU-A-2F-10
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/15 | ㉔ ECB-ACCU-A-2F-13B
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/4 | ㉕ ECB-ACCU-A-2F-08
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/9 | ㉖ ECB-ACCU-A-2F-04
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/33 | ㉗ ECB-ACCU-A-2F-02
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/30 | ㉘ ECB-ACCU-A-2F-17A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/5 | ㉙ ECB-ACCU-A-2F-29B
30AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/11 | ㉚ ECB-ACCU-A-2F-18
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/15 | ㉛ ECB-ACCU-A-2F-24
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/21 | ㉜ ECB-ACCU-A-2F-30
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/27 | ㉝ ECB-ACCU-A-2F-11A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/37 |
| ㉞ NOT USED | ㉟ ECB-ACCU-A-2F-12
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/11 | ㊱ ECB-ACCU-A-2F-11
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/10 | ㊲ ECB-ACCU-A-2F-08
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/21 | ㊳ ECB-ACCU-A-2F-01
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/31 | ㊴ ECB-ACCU-A-2F-12B
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/6 | ㊵ ECB-ACCU-A-2F-29A
30AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/10 | ㊶ ECB-ACCU-A-2F-19
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/16 | ㊷ ECB-ACCU-A-2F-25
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/22 | ㊸ ECB-ACCU-A-2F-31
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/28 | ㊹ ECB-ACCU-A-2F-11A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/38 |
| ㊺ NOT USED | ㊻ ECB-ACCU-A-2F-06
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/5 | ㊼ NOT USED | ㊽ NOT USED | ㊾ ECB-ACCU-A-2F-13
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/1 | ㊿ ECB-ACCU-A-2F-18
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/7 | Ⓚ ECB-ACCU-A-2F-29C
30AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/12 | Ⓛ ECB-ACCU-A-2F-19
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/17 | Ⓜ ECB-ACCU-A-2F-26
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/23 | Ⓨ ECB-ACCU-A-2F-27
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/24 | |
| Ⓜ ECB-ACCU-A-2F-05
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/16 | Ⓤ ECB-ACCU-A-2F-05
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/6 | Ⓡ ECB-ACCU-A-2F-05
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/26 | Ⓢ ECB-ACCU-A-2F-05
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAA2/27 | Ⓣ ECB-ACCU-A-2F-14
50AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/2 | Ⓤ ECB-ACCU-A-2F-19
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPAB2/8 | | | | | |



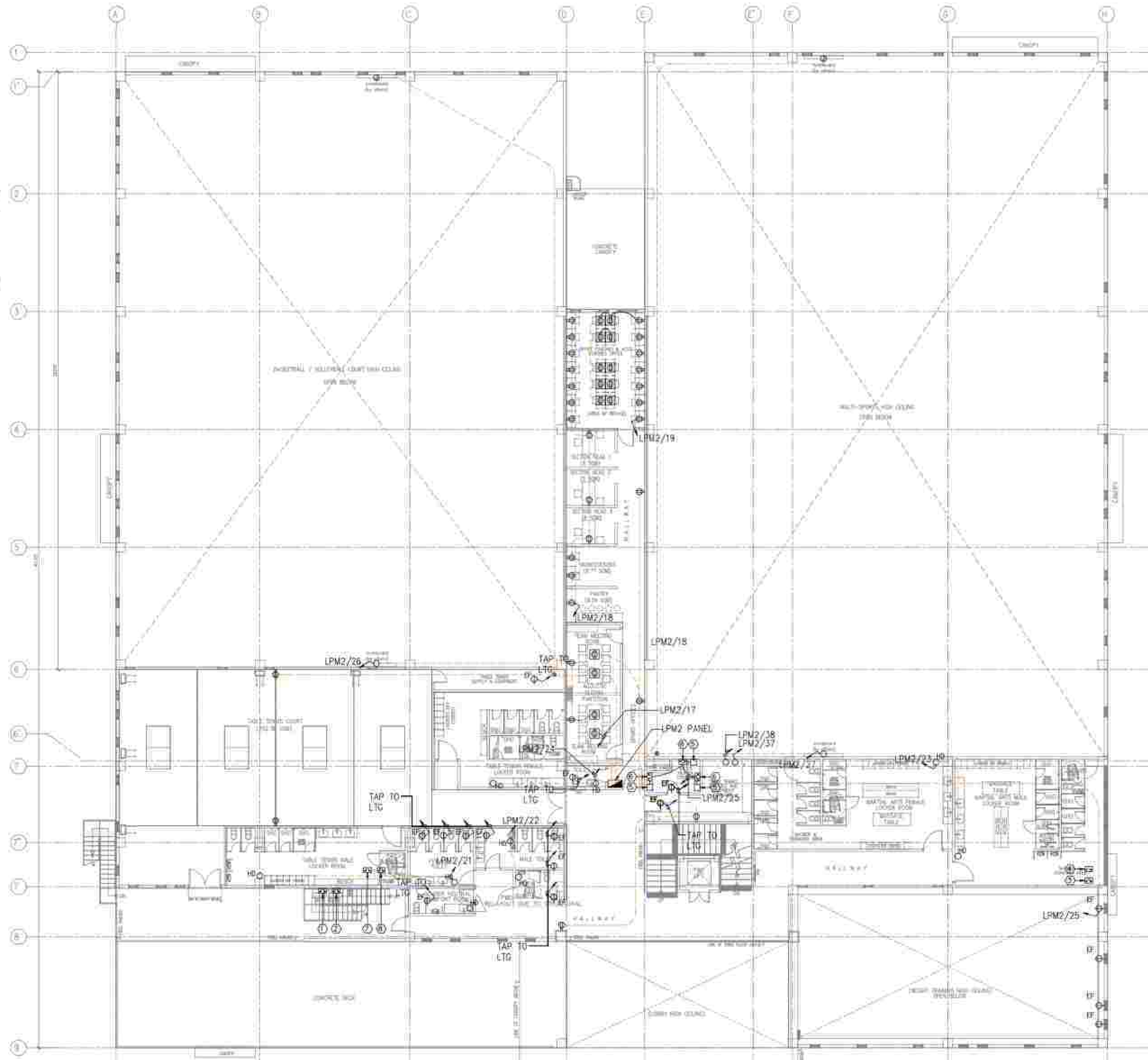


APPROVED BY:	CHECKED BY:	PREPARED BY:	PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:
 Bases Conversion and Development Authority  RYAN S. GALURA MC, SPMS	 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services  SALVADOR D. PALISOC PROJECT MANAGER	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY TEL. NO. 854-3811  JESUS V. HERBAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TARLAC	ELECTRICAL SERVICES ACADEMIC AND ADMIN BUILDING POWER SYSTEM	EE2-04

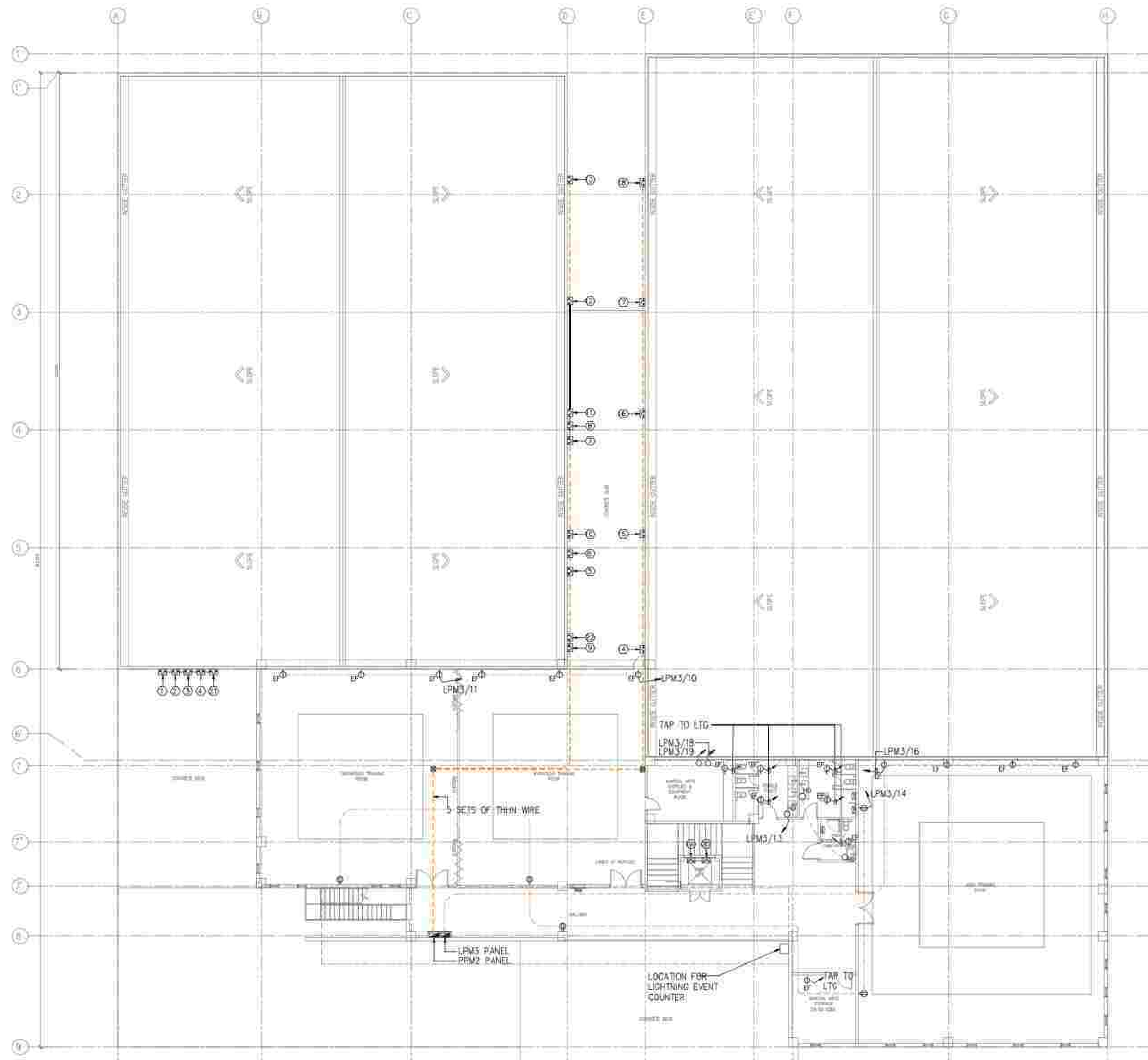
- ① DS-EWH2
20AT,3P,400V
IN NEMA-3R ENCLOSURE
PPM1/1 TO 4
- ② ECB-TEF-M-GF-01
20AT,3P,400V
IN NEMA-3R ENCLOSURE
PPM1/7
- ③ ECB-TEF-M-GF-02
20AT,3P,400V
IN NEMA-1 ENCLOSURE
PPM1/8
- ④ ECB-CP
20AT,1P,230V
IN NEMA-3R ENCLOSURE
- ⑤ ECB-ECB-ACCU-M-GF-03
20AT,1P,230V
IN NEMA-1 ENCLOSURE
LPM1/29
- ⑥ ECB-ECB-ACCU-M-GF-04
20AT,1P,230V
IN NEMA-1 ENCLOSURE
LPM1/30
- ⑦ ECB-ECB-ACCU-M-GF-02
20AT,1P,230V
IN NEMA-1 ENCLOSURE
LPM1/33

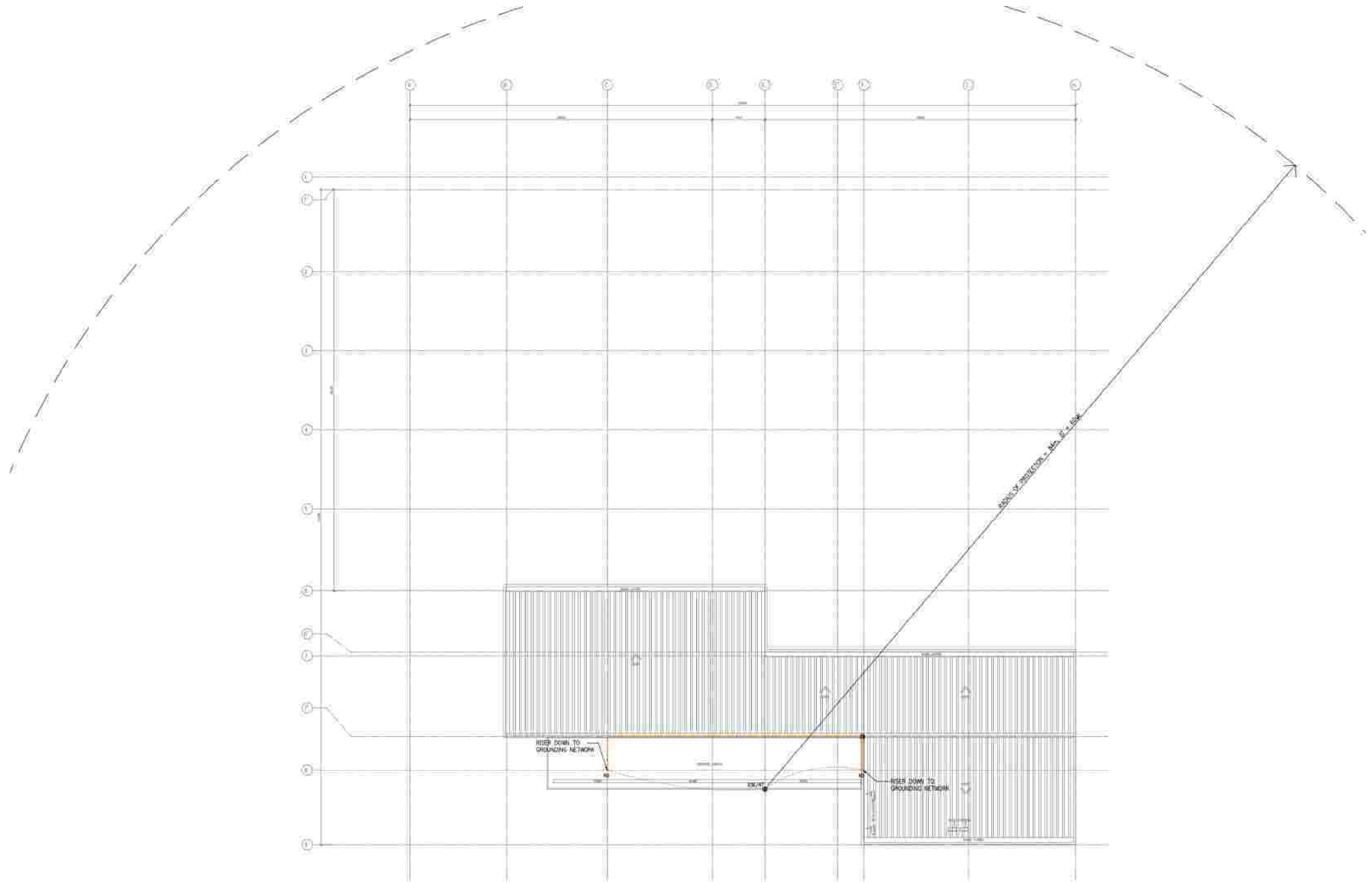


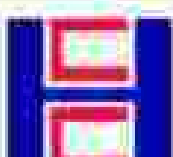
- ① ECB-ACCU-M-2F-GF-01B
20AT,1P,230V
IN NEMA-3R ENCLOSURE
LPM2/31
- ② ECB-ACCU-M-2F-GF-01A
20AT,1P,230V
IN NEMA-3R ENCLOSURE
LPM2/29
- ③ ECB-TEF-M-2F-3
20AT,1P,230V
IN NEMA-1 ENCLOSURE
LPM2/27
- ④ ECB-TEF-M-2F-4
20AT,1P,230V
IN NEMA-1 ENCLOSURE
LPM2/28
- ⑤ DS-EWH2
20AT,3P,400V
IN NEMA-3R ENCLOSURE
PPM1/10 TO 12
- ⑥ ECB-CP
20AT,1P,230V
IN NEMA-3R ENCLOSURE
- ⑦ ECB-TEF-M-2F-8
20AT,1P,230V
IN NEMA-1 ENCLOSURE
LPM2/35
- ⑧ ECB-TEF-M-2F-9
20AT,1P,230V
IN NEMA-1 ENCLOSURE
LPM2/36

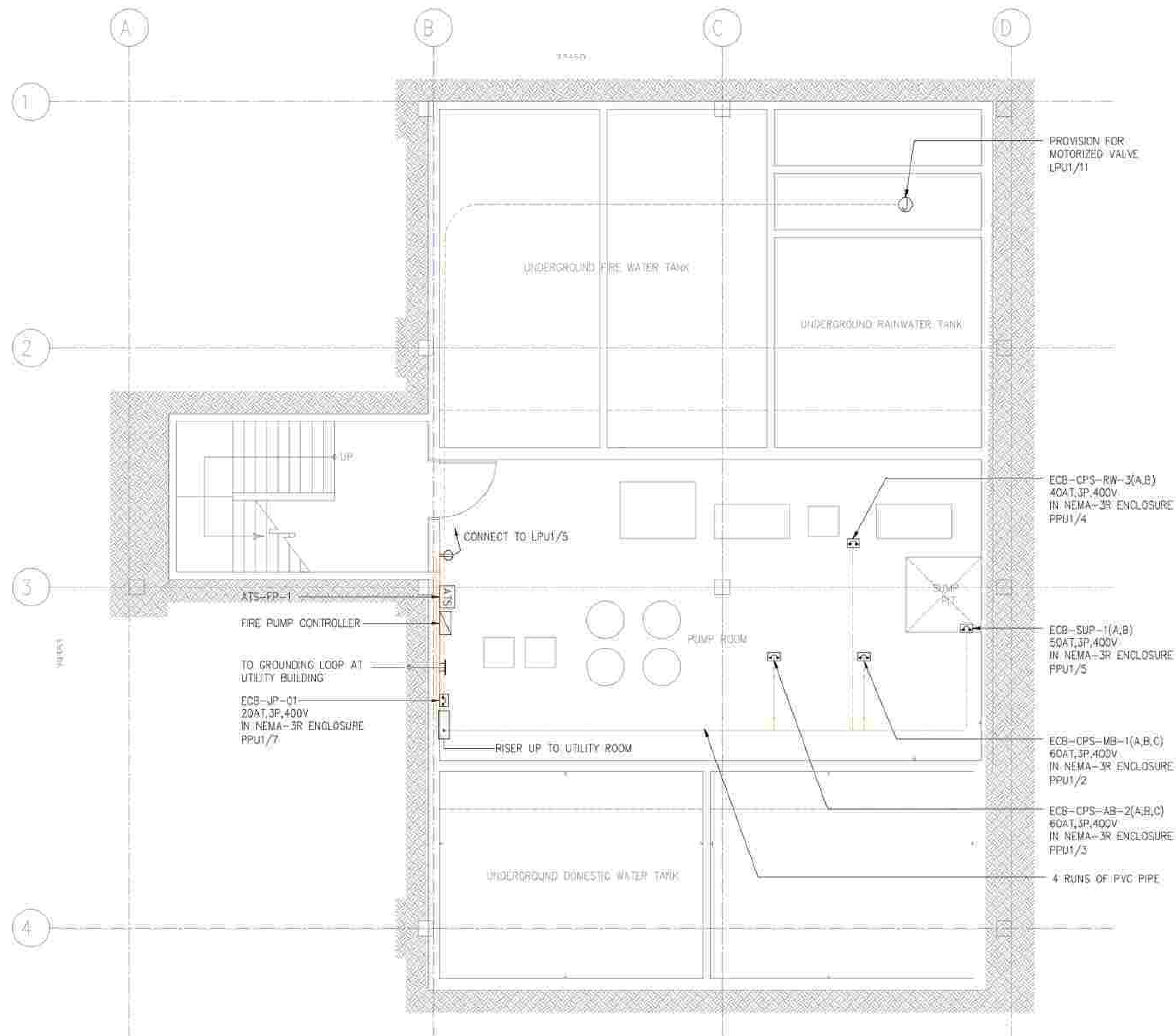


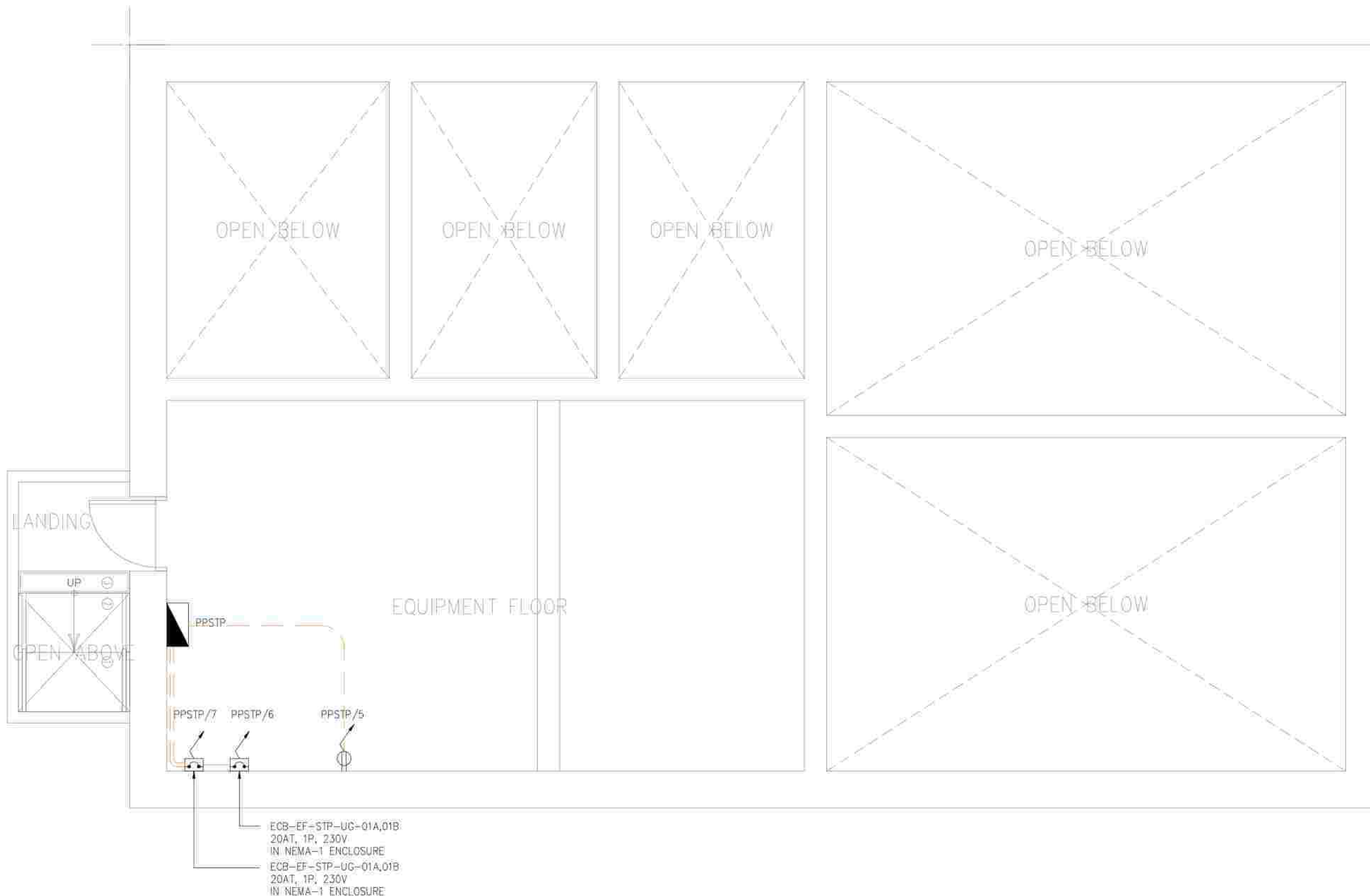
- ① ECR-ACCU-M-3F-05C
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/6
- ② ECR-ACCU-M-3F-05D
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/25
- ③ ECR-ACCU-M-3F-05E
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/26
- ④ ECR-ACCU-M-3F-05A
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/3
- ⑤ ECR-ACCU-3F-2F-01A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/7
- ⑥ ECR-ACCU-3F-2F-02
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/8
- ⑦ ECR-ACCU-3F-2F-03
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/9
- ⑧ ECR-ACCU-3F-2F-04
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/10
- ⑨ ECR-EF-M-3F-6A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/12
- ⑩ ECR-EF-M-3F-6B
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/13
- ⑪ ECR-EF-M-3F-6C
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/14
- ⑫ ECR-EF-M-3F-6D
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/15
- ⑬ ECR-EF-M-3F-6E
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/16
- ⑭ ECR-EF-M-3F-5A
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/17
- ⑮ ECR-EF-M-3F-5B
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/18
- ⑯ ECR-EF-M-3F-5C
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/19
- ⑰ ECR-EF-M-3F-5D
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/20
- ⑱ ECR-EF-M-3F-5E
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/21
- ⑲ ECR-PWD LIFT
20AT, 3P, 400V
IN NEMA-3R ENCLOSURE
PPM2/1
- ⑳ ECR-LTG
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
LPM3/17
- ㉑ ECR-ACCU-M-3F-05B
40AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/10
- ㉒ ECR-ACCU-3F-2F-01B
20AT, 1P, 230V
IN NEMA-3R ENCLOSURE
PPM2/5



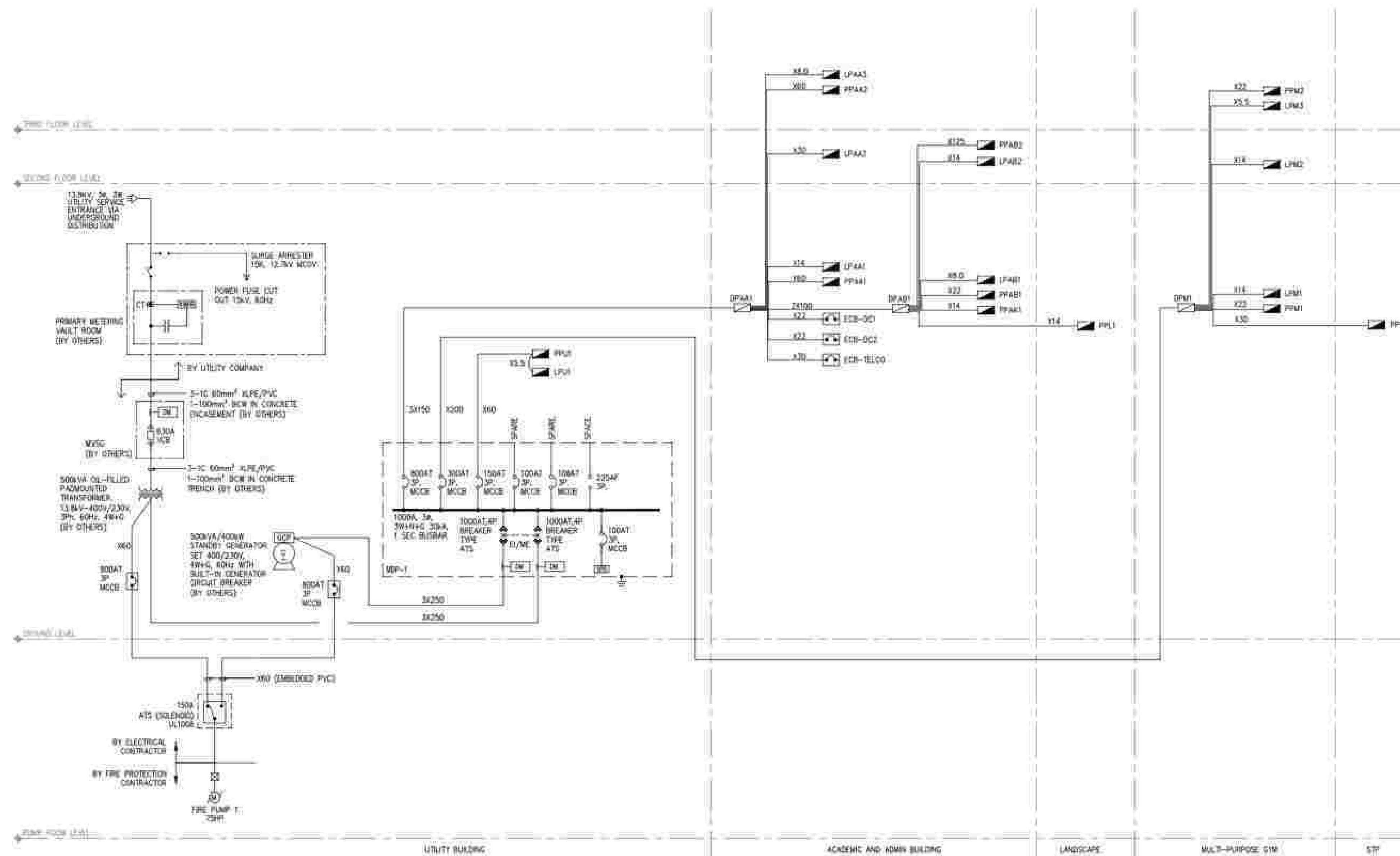


APPROVED BY:	CHECKED BY:	PREPARED BY:	PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:
 Bases Conversion and Development Authority	 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TAYLAC	MULTI-SPORT BUILDING ROOF, POWER SYSTEM ASBUILT PLAN	EE2-08
RYAN S. GALURA INC. SPM	JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	SALVADOR D. PAUSOC PROJECT MANAGER	JESUS V. HERDAS PROJECT MANAGER		





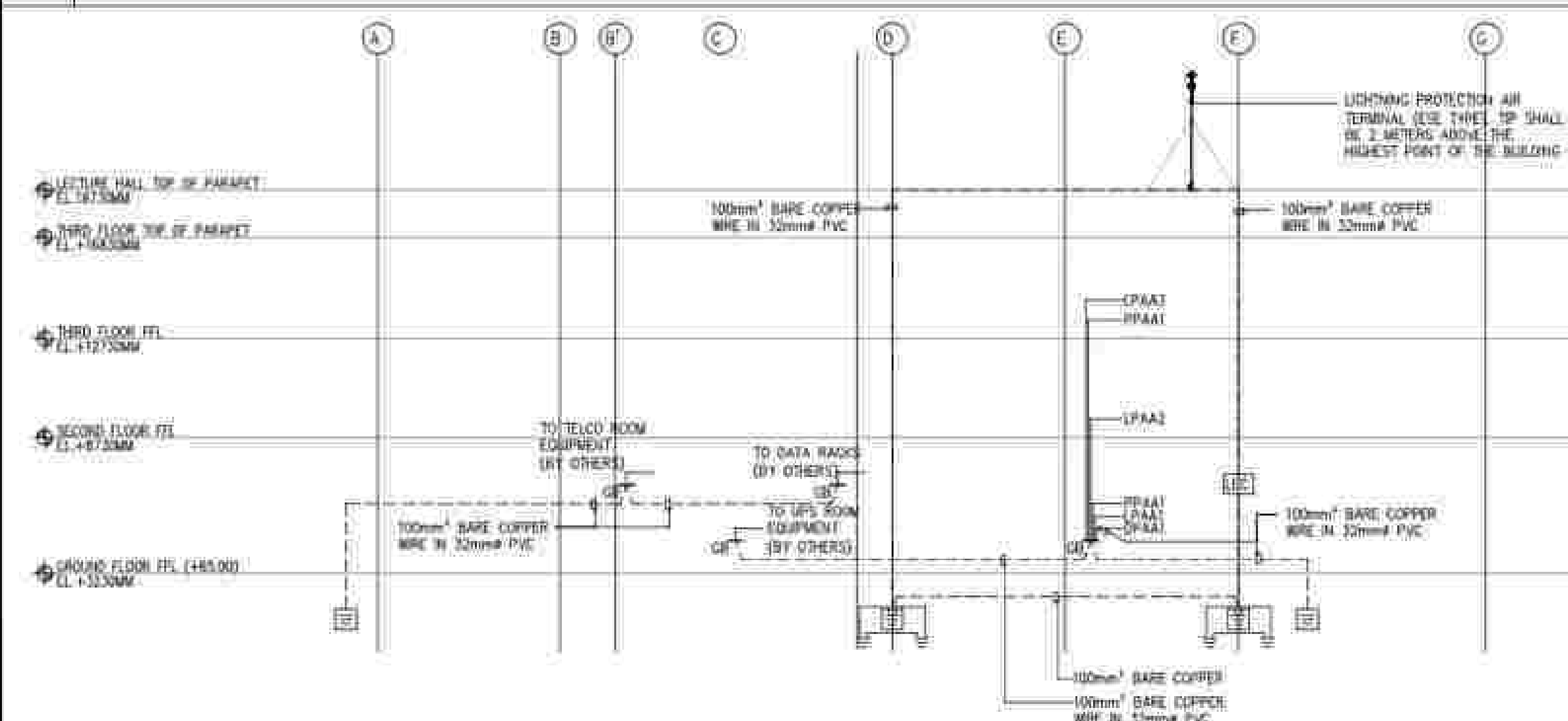
APPROVED BY: BCDA Bases Conversion and Development Authority RYAN S. GALLURA DC, SMO	CHECKED BY: FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services JOSEPHINE JOY REYES DESIGN DIRECTOR	PREPARED BY: HILMARC'S CONSTRUCTION CORPORATION 1833 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY (TEL. NO. 154-3811) JESUS V. HERBAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ELECTRICAL) LOCATION: NCC, MUNICIPALITY OF CAPAS, TARLAC	SHEET CONTENTS: SEWAGE TREATMENT PLANT POWER SYSTEM LAYOUT	SHEET NO.: EE2-11
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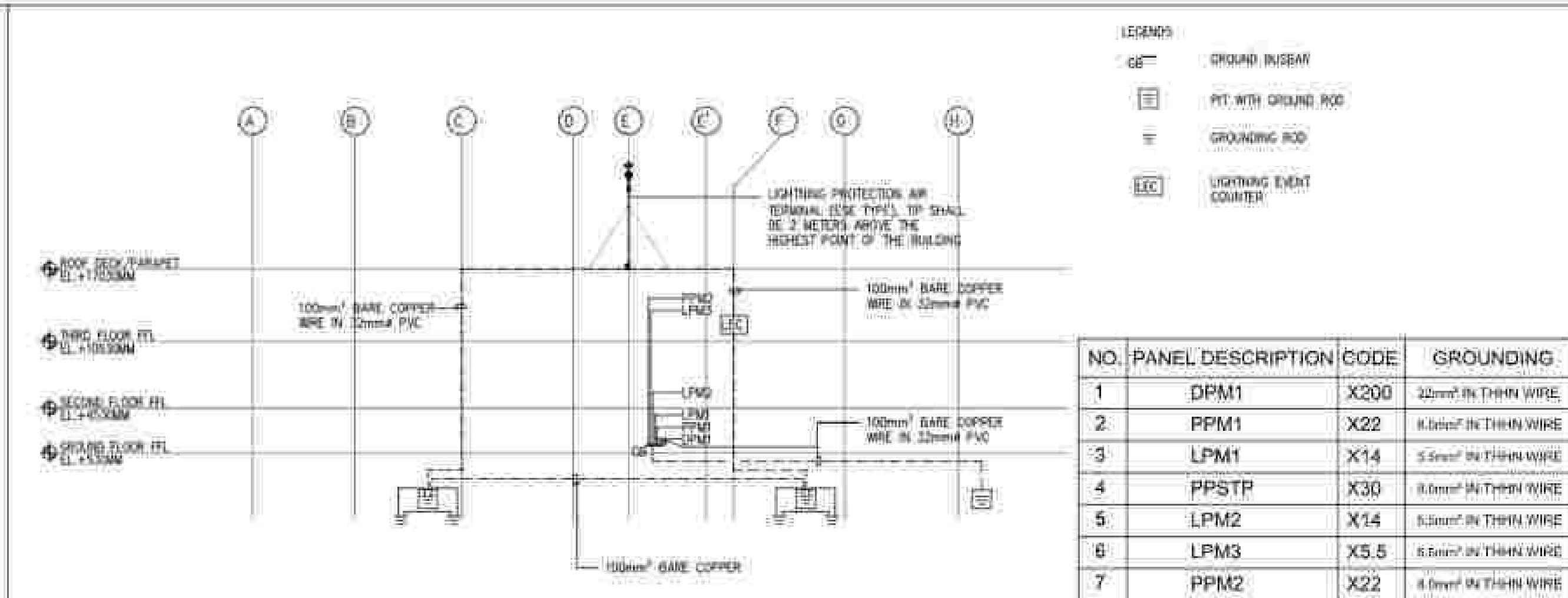
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NTS

ELECTRICAL SINGLE LINE DIAGRAM



NO.	PANEL DESCRIPTION	CODE	GROUNDING
1	DPAA1	X150	50mm ² IN THHN WIRE
2	LPAA1	X14	5.5mm ² THHN WIRE
3	PPAA1	X60	14mm ² THHN WIRE
4	LPAA2	X30	8.0mm ² THHN WIRE
5	LPAA3	X8.0	5.5mm ² THHN WIRE
6	PPAA2	X60	14mm ² THHN WIRE
7	DPAB1	X100	30mm ² THHN WIRE
8	PPPL1	X14	5.5mm ² THHN WIRE
9	PPAK1	X14	5.5mm ² THHN WIRE
10	PPAB1	X22	8.0mm ² THHN WIRE
11	LPAB1	X8.0	5.5mm ² THHN WIRE
12	LPAB2	X14	5.5mm ² THHN WIRE
13	PPAB2	X125	22mm ² THHN WIRE



NO.	PANEL DESCRIPTION	CODE	GROUNDING
1	DPM1	X200	22mm ² IN THHN WIRE
2	PPM1	X22	8.0mm ² IN THHN WIRE
3	LPM1	X14	5.5mm ² IN THHN WIRE
4	PPSTP	X30	8.0mm ² IN THHN WIRE
5	LPM2	X14	5.5mm ² IN THHN WIRE
6	LPM3	X5.5	5.5mm ² IN THHN WIRE
7	PPM2	X22	8.0mm ² IN THHN WIRE

2

NTS

ACADEMIC AND ADMIN BUILDING GROUNDING SINGLE LINE DIAGRAM

2

NTS

MULTI-PURPOSE GYM GROUNDING SINGLE LINE DIAGRAM

WIRING SCHEDULE FOR COPPER CONDUCTORS

A.1 SINGLE PHASE 2W + G (COPPER CONDUCTORS)

WIRE CODE	LINE AMPLACITY FOR THW (A)	CONDUCTOR SIZE		CONDUIT SIZE	
		LINE	GROUND	PVC	MC
		mm ²	mm ²	mm Ø	mm Ø
12.5	25	2.5	2.0	25	16
16.5	35	3.5	3.0	35	18
25.5	50	5.0	4.0	50	25
35.5	75	7.5	6.0	75	35
50.0	100	10.0	8.0	100	50
75.0	150	15.0	12.0	150	75
100.0	200	20.0	16.0	200	100
150.0	300	30.0	25.0	300	150
200.0	400	40.0	35.0	400	200
300.0	600	60.0	50.0	600	300
400.0	800	80.0	70.0	800	400
500.0	1000	100.0	90.0	1000	500
600.0	1200	120.0	110.0	1200	600
750.0	1500	150.0	140.0	1500	750
1000.0	2000	200.0	190.0	2000	1000
1250.0	2500	250.0	240.0	2500	1250
1500.0	3000	300.0	290.0	3000	1500
2000.0	4000	400.0	390.0	4000	2000
2500.0	5000	500.0	490.0	5000	2500
3000.0	6000	600.0	590.0	6000	3000
4000.0	8000	800.0	790.0	8000	4000
5000.0	10000	1000.0	990.0	10000	5000
6000.0	12000	1200.0	1190.0	12000	6000
7500.0	15000	1500.0	1490.0	15000	7500
10000.0	20000	2000.0	1990.0	20000	10000
12500.0	25000	2500.0	2490.0	25000	12500
15000.0	30000	3000.0	2990.0	30000	15000
20000.0	40000	4000.0	3990.0	40000	20000
25000.0	50000	5000.0	4990.0	50000	25000
30000.0	60000	6000.0	5990.0	60000	30000
40000.0	80000	8000.0	7990.0	80000	40000
50000.0	100000	10000.0	9990.0	100000	50000
60000.0	120000	12000.0	11990.0	120000	60000
75000.0	150000	15000.0	14990.0	150000	75000
100000.0	200000	20000.0	19990.0	200000	100000
125000.0	250000	25000.0	24990.0	250000	125000
150000.0	300000	30000.0	29990.0	300000	150000
200000.0	400000	40000.0	39990.0	400000	200000
250000.0	500000	50000.0	49990.0	500000	250000
300000.0	600000	60000.0	59990.0	600000	300000
400000.0	800000	80000.0	79990.0	800000	400000
500000.0	1000000	100000.0	99990.0	1000000	500000
600000.0	1200000	120000.0	119990.0	1200000	600000
750000.0	1500000	150000.0	149990.0	1500000	750000
1000000.0	2000000	200000.0	199990.0	2000000	1000000
1250000.0	2500000	250000.0	249990.0	2500000	1250000
1500000.0	3000000	300000.0	299990.0	3000000	1500000
2000000.0	4000000	400000.0	399990.0	4000000	2000000
2500000.0	5000000	500000.0	499990.0	5000000	2500000
3000000.0	6000000	600000.0	599990.0	6000000	3000000
4000000.0	8000000	800000.0	799990.0	8000000	4000000
5000000.0	10000000	1000000.0	999990.0	10000000	5000000
6000000.0	12000000	1200000.0	1199990.0	12000000	6000000
7500000.0	15000000	1500000.0	1499990.0	15000000	7500000
10000000.0	20000000	2000000.0	1999990.0	20000000	10000000
12500000.0	25000000	2500000.0	2499990.0	25000000	12500000
15000000.0	30000000	3000000.0	2999990.0	30000000	15000000
20000000.0	40000000	4000000.0	3999990.0	40000000	20000000
25000000.0	50000000	5000000.0	4999990.0	50000000	25000000
30000000.0	60000000	6000000.0	5999990.0	60000000	30000000
40000000.0	80000000	8000000.0	7999990.0	80000000	40000000
50000000.0	100000000	10000000.0	9999990.0	100000000	50000000
60000000.0	120000000	12000000.0	11999990.0	120000000	60000000
75000000.0	150000000	15000000.0	14999990.0	150000000	75000000
100000000.0	200000000	20000000.0	19999990.0	200000000	100000000
125000000.0	250000000	25000000.0	24999990.0	250000000	125000000
150000000.0	300000000	30000000.0	29999990.0	300000000	150000000
200000000.0	400000000	40000000.0	39999990.0	400000000	200000000
250000000.0	500000000	50000000.0	49999990.0	500000000	250000000
300000000.0	600000000	60000000.0	59999990.0	600000000	300000000
400000000.0	800000000	80000000.0	79999990.0	800000000	400000000
500000000.0	1000000000	100000000.0	99999990.0	1000000000	500000000
600000000.0	1200000000	120000000.0	119999990.0	1200000000	600000000
750000000.0	1500000000	150000000.0	149999990.0	1500000000	750000000
1000000000.0	2000000000	200000000.0	199999990.0	2000000000	1000000000
1250000000.0	2500000000	250000000.0	249999990.0	2500000000	1250000000
1500000000.0	3000000000	300000000.0	299999990.0	3000000000	1500000000
2000000000.0	4000000000	400000000.0	399999990.0	4000000000	2000000000
2500000000.0	5000000000	500000000.0	499999990.0	5000000000	2500000000
3000000000.0	6000000000	600000000.0	599999990.0	6000000000	3000000000
4000000000.0	8000000000	800000000.0	799999990.0	8000000000	4000000000
5000000000.0	10000000000	1000000000.0	999999990.0	10000000000	5000000000
6000000000.0	12000000000	1200000000.0	1199999990.0	12000000000	6000000000
7500000000.0	15000000000	1500000000.0	1499999990.0	15000000000	7500000000
10000000000.0	20000000000	2000000000.0	1999999990.0	20000000000	10000000000
12500000000.0	25000000000	2500000000.0	2499999990.0	25000000000	12500000000
15000000000.0	30000000000	3000000000.0	2999999990.0	30000000000	15000000000
20000000000.0	40000000000	4000000000.0	3999999990.0	40000000000	20000000000
25000000000.0	50000000000	5000000000.0	4999999990.0	50000000000	25000000000
30000000000.0	60000000000	6000000000.0	5999999990.0	60000000000	30000000000
40000000000.0	80000000000	8000000000.0	7999999990.0	80000000000	40000000000
50000000000.0	100000000000	10000000000.0	9999999990.0	100000000000	50000000000
60000000000.0	120000000000	12000000000.0	11999999990.0	120000000000	60000000000
75000000000.0	150000000000	15000000000.0	14999999990.0	150000000000	75000000000
100000000000.0	200000000000	20000000000.0	19999999990.0	200000000000	100000000000
125000000000.0	250000000000	25000000000.0	24999999990.0	250000000000	125000000000
150000000000.0	300000000000	30000000000.0	29999999990.0	300000000000	150000000000
200000000000.0	400000000000	40000000000.0	39999999990.0	400000000000	200000000000
250000000000.0	500000000000	50000000000.0	49999999990.0	500000000000	250000000000
300000000000.0	600000000000	60000000000.0	59999999990.0	600000000000	300000000000
400000000000.0	800000000000	80000000000.0	79999999990.0	800000000000	400000000000
500000000000.0	1000000000000	100000000000.0	99999999990.0	1000000000000	500000000000
600000000000.0	1200000000000	120000000000.0	119999999990.0	1200000000000	600000000000
750000000000.0	1500000000000	150000000000.0	149999999990.0	1500000000000	750000000000
1000000000000.0	2000000000000	200000000000.0	199999999990.0	2000000000000	1000000000000
1250000000000.0	2500000000000	250000000000.0	249999999990.0	2500000000000	1250000000000
1500000000000.0	3000000000000	300000000000.0	299999999990.0	3000000000000	1500000000000
2000000000000.0	4000000000000	400000000000.0	399999999990.0	4000000000000	2000000000000
2500000000000.0	5000000000000	500000000000.0	499999999990.0	5000000000000	2500000000000
3000000000000.0	6000000000000	600000000000.0	599999999990.0	6000000000000	3000000000000
4000000000000.0	8000000000000	800000000000.0	799999999990.0	8000000000000	4000000000000
5000000000000.0	10000000000000	1000000000000.0	999999999990.0	10000000000000	5000000000000
6000000000000.0	12000000000000	1200000000000.0	1199999999990.0	12000000000000	6000000000000
7500000000000.0	15000000000000	1500000000000.0	1499999999990.0	15000000000000	7500000000000
10000000000000.0	20000000000000	2000000000000.0	1999999999990.0	20000000000000	10000000000000
12500000000000.0	25000000000000	2500000000000.0	2499999999990.0	25000000000000	12500000000000
15000000000000.0	30000000000000	3000000000000.0	2999999999990.0	30000000000000	15000000000000
20000000000000.0	40000000000000	4000000000000.0	3999999999990.0	40000000000000	20000000000000
25000000000000.0	50000000000000	5000000000000.0	4999999999990.0	50000000000000	25000000000000
30000000000000.0	60000000000000	6000000000000.0	5999999999990.0	60000000000000	30000000000000
40000000000000.0	80000000000000	8000000000000.0	7999999999990.0	80000000000000	40000000000000
50000000000000.0	100000000000000	10000000000000.0	9999999999990.0	100000000000000	50000000000000
60000000000000.0	120000000000000	12000000000000.0	11999999999990.0	120000000000000	60000000000000
75000000000000.0	150000000000000	15000000000000.0	14999999999990.0	150000000000000	75000000000000
100000000000000.0	200000000000000	20000000000000.0	19999999999990.0	200000000000000	100000000000000
125000000000000.0	250000000000000	25000000000000.0	24999999999990.0	250000000000000	125000000000000
150000000000000.0	300000000000000	30000000000000.0	29999999999990.0	300000000000000	150000000000000
200000000000000.0	400000000000000	40000000000000.0	39999999999990.0	400000000000000	200000000000000
250000000000000.0	500000000000000	50000000000000.0	49999999999990.0	500000000000000	250000000000000
300000000000000.0	600000000000000	60000000000000.0	59999999999990.0	600000000000000	300000000000000
400000000000000.0	800000000000000	80000000000000.0	79999999999990.0	800000000000000	400000000000000
500000000000000.0	1000000000000000	100000000000000.0	99999999999990.0	1000000000000000	500000000000000
600000000000000.0	120000000000				

DESIGNATION:	PPAA1	MOUNTING:	SURFACE													
SYSTEM:	400/230 VOLTS	ENCLOSURE:	NEMA - 1													
MIN. I.C.	18 AW	FEED:	CPAA1													
LOCATION:	ERRAUX ROOM 1															
CMT NO.	LOAD DESCRIPTION	CONNECTED LOAD				OVERCURRENT			CONDUCTOR		RACEWAY		REMARKS			
		VA	D.F.	AMPERE				AT	AF	P	CODE	TYPE		CODE	TYPE	
				3-φ	4-φB	4-φB	4-φN									
1	ECBACQUA-GF01A	38.82	0.70	38.43				80	100	3	90.0	THWN	90.0	PVC MC		
2	ECBACQUA-GF01B	26.52	0.00	26.43				80	100	3	90.0	THWN	90.0	PVC MC		
3	SPARE	2.00	0.00	2.00				20	100	3						
4	SPARE	2.00	0.00	2.00				20	100	3						
5	ECBACQUA-GF01	3.93	0.70	23.01				40	100	1	90.0	THWN	90.0	PVC MC		
6	SPARE	1.50	0.00	1.50				20	100	1						
7	ECBACQUA-GF07	2.50	0.70	11.09				20	100	1	90.0	THWN	90.0	PVC MC		
8	SPARE	1.50	0.00	1.50				20	100	1						
9	ECBACQUA-GF10	3.48	0.70	16.30				30	100	1	90.0	THWN	90.0	PVC MC		
10	ECBACQUA-GF11	3.50	0.70	16.00				30	100	1	90.0	THWN	90.0	PVC MC		
11	ECBACQUA-GF12	3.40	0.70	15.00				30	100	1	90.0	THWN	90.0	PVC MC		
12	ECBACQUA-GF14	2.28	0.70	9.57				20	100	1	90.0	THWN	90.0	PVC MC		
13	ECBACQUA-GF16	2.00	0.00	8.67				20	100	1	90.0	THWN	90.0	PVC MC		
14	ECBACQUA-GF30	1.80	0.70	8.48				20	100	1	90.0	THWN	90.0	PVC MC		
15	ECBACQUA-GF34	2.70	0.70	11.11				20	100	1	90.0	THWN	90.0	PVC MC		
16	ECBACQUA-GF38	2.70	0.00	11.74				20	100	1	90.0	THWN	90.0	PVC MC		
17	SPARE	200	0.70	1.50				20	100	1						
18	ECBACQUA-GF12	35.0	0.70	1.53				20	100	1	90.0	THWN	90.0	PVC MC		
19	ECBACQUA-GF10	30.0	0.70	1.83				20	100	1	90.0	THWN	90.0	PVC MC		
20	WAGA-GF01	1.30	0.70	5.88				20	100	1	90.0	THWN	90.0	PVC		
21	WAGA-GF02	1.30	0.70	5.88				20	100	1	90.0	THWN	90.0	PVC		
22	WAGA-GF04	1.30	0.70	5.88				20	100	1	90.0	THWN	90.0	PVC		
23	WAGA-GF08	2.72	0.70	8.62				20	100	1	90.0	THWN	90.0	PVC		
24	WAGA-GF09	1.30	0.70	5.88				20	100	1	90.0	THWN	90.0	PVC		
25	WAGA-GF10	1.30	0.70	5.88				20	100	1	90.0	THWN	90.0	PVC		
26	ERN	3.40	0.70	14.78				30	100	1	90.0	THWN	90.0	PVC MC		
27	SPARE	1.00	0.00	4.35				4.35	20	100	1					
28	SPARE	1.00	0.00	4.35				4.35	20	100	1					
29	SPARE	1.00	0.00	4.35				4.35	20	100	1					
30	ERN	3.40	0.70	14.78				30	100	1	90.0	THWN	90.0	PVC MC		
31	ERN	3.40	0.70	14.78				30	100	1	90.0	THWN	90.0	PVC MC		
32	ERN	3.40	0.70	14.78				30	100	1	90.0	THWN	90.0	PVC MC		
33	ERN	3.40	0.70	14.78				30	100	1	90.0	THWN	90.0	PVC MC		
34	ERN	3.40	0.70	14.78				30	100	1	90.0	THWN	90.0	PVC MC		
TOTAL		64.00	0.00	44.20	01	02	02			42						
DEMAND FACTOR		0.68	MAIN CB				100 AT	100 AF	3 P	400 V						
DEMAND VA		62.224	FEEDER				CODE	90	TYPE	THWN	RACEWAY	90	PVC			
		125	91	AMPS												
NOTE: 1. PROVIDE 100% NEUTRAL COPPER BUSBAR																
2. PROVIDE GROUNDING COPPER BUSBAR COMPLYING WITH THE LOCAL CODE REQUIREMENT																
3. WIRE BENDING CLEARANCE(S) SHALL COMPLY WITH THE LOCAL CODE REQUIREMENT																

DESIGNATION:	LPAA2	MOUNTING:	SURFACE												
SYSTEM:	400/230 VOLT	ENCLOSURE:	NEMA - 1												
MIN. I.C.	18 AW	FEED:	OPAA1												
LOCATION:	25 ELECTRICAL CABINET														
CMT NO.	LOAD DESCRIPTION	CONNECTED LOAD				OVERCURRENT			CONDUCTION		RACEWAY		REMARKS		
		VA	D.F.	AMPERE		AT	AF	P	CODE	TYPE	CODE	TYPE			
				3-φ	4-φ									5-W	4-CH
1	LIGHTING	4.00	1.00		1.88		20	100	1	90.0	THWN	90.0	PVC		
2	LIGHTING	5.00	1.00		2.54		20	100	1	90.0	THWN	90.0	PVC		
3	LIGHTING	3.00	1.00			1.00	20	100	1	90.0	THWN	90.0	PVC		
4	LIGHTING	5.00	1.00			2.27	20	100	1	90.0	THWN	90.0	PVC		
5	LIGHTING	3.00	1.00				1.57	20	100	1	90.0	THWN	90.0	PVC	
6	LIGHTING	3.00	1.00				1.30	20	100	1	90.0	THWN	90.0	PVC	
7	LIGHTING	1.00	1.00			0.78		20	100	1	90.0	THWN	90.0	PVC	NOTE 4
8	EXIT LIGHTS	1.00	1.00			0.68		20	100	1	90.0	THWN	90.0	PVC	
9	SPARE	3.00	1.00			1.30		20	100	1					
10	SPARE	3.00	1.00			1.30		20	100	1					
11	PROVISION FOR IDF	3.00	0.50				13.34	20	100	1	90.0	THWN	90.0	PVC	
12	PROVISION FOR CCTV	3.00	0.50				13.34	20	100	1	90.0	THWN	90.0	PVC	
13	PROVISION FOR WAF	1.00	0.50			4.35		20	100	1	90.0	THWN	90.0	PVC	
14	RECEPTACLE OUTLET	2.24	0.00			10.17		20	100	1	90.0	THWN	90.0	PVC	
15	RECEPTACLE OUTLET	2.10	0.00			9.89		20	100	1	90.0	THWN	90.0	PVC	
16	RECEPTACLE OUTLET	1.20	0.00			5.48		20	100	1	90.0	THWN	90.0	PVC	
17	RECEPTACLE OUTLET	5.40	0.00				2.36	20	100	1	90.0	THWN	90.0	PVC	
18	RECEPTACLE OUTLET	1.40	0.00				6.82	20	100	1	90.0	THWN	90.0	PVC	
19	RECEPTACLE OUTLET	2.70	0.00			11.74		20	100	1	90.0	THWN	90.0	PVC	
20	RECEPTACLE OUTLET	1.90	0.00			8.91		20	100	1	90.0	THWN	90.0	PVC	
21	HAND DRYER	2.00	0.55			10.07		20	100	1	90.0	THWN	90.0	PVC	
22	HAND DRYER	2.00	0.50			10.87		20	100	1	90.0	THWN	90.0	PVC	
23	HAND DRYER	2.00	0.50				10.87	20	100	1	90.0	THWN	90.0	PVC	
24	WAGA-2F-4	1.30	0.70				5.88	20	100	1	90.0	THWN	90.0	PVC	
25	WAGA-2F-5	2.72	0.70			8.62		20	100	1	90.0	THWN	90.0	PVC	
26	SPARE	5.00	0.00			2.30		20	100	1					
27	SPARE	5.00	0.00			2.30		20	100	1					
28	WAGA-2F-2	1.04	0.00			4.76		20	100	1	90.0	THWN	90.0	PVC	
29	WAGA-2F-3	1.04	0.00				4.76	20	100	1	90.0	THWN	90.0	PVC	
30	LIGHTING	5.40	0.00				2.36	20	100	1	90.0	THWN	90.0	PVC	
31	SPARE	5.40	0.00			2.36		20	100	1					
32	SWH-1	3.40	0.70			14.78		30	100	1	90.0	THWN	90.0	PVC	
33	SWH-1	3.40	0.70			14.78		30	100	1	90.0	THWN	90.0	PVC	
34	SCBACQUA-2F-01	3.00	0.70			13.83		30	100	1	90.0	THWN	90.0	PVC MC	
35	SCBACQUA-2F-02	6.00	0.70				26.96	30	100	1	90.0	THWN	90.0	PVC MC	
36	HAND DRYER	2.00	0.50				10.07	20	100	1	90.0	THWN	90.0	PVC	
37	SCBACQUA-2F-14	3.00	0.70			22.01		40	100	1	90.0	THWN	90.0	PVC MC	
38	SPARE	1.00	0.00			4.35		20	100	1					
39	SCBACQUA-2F-16	3.00	0.70			22.91		40	100	1	90.0	THWN	90.0	PVC MC	
40	SCBACQUA-2F-08	3.40	0.70			16.00		30	100	1	90.0	THWN	90.0	PVC MC	
41	SCBACQUA-2F-10	3.00	0.70				22.01	40	100	1	90.0	THWN	90.0	PVC MC	
42	SPARE	1.00	0.00				4.35	20	100	1					
TOTAL		68.037	0.57			38.06		80	100	42					
DEMAND FACTOR	0.57	MAIN CB					100 AT	100 AF	3 P	400 V					
DEMAND VA	38.775	FEEDER					CODE: 90	TYPE: THWN	RACEWAY:		90, PVC				
1. PROVIDE 100% NEUTRAL COPPER BUSBAR															
2. PROVIDE GROUNDING COPPER BUSBAR COMPLYING WITH THE LOCAL CODE REQUIREMENT															
3. WIRE BENDING CLEARANCE(S) SHALL COMPLY WITH THE LOCAL CODE REQUIREMENT															
4. CONTROLLED BY OCCUPANCY SENSOR															

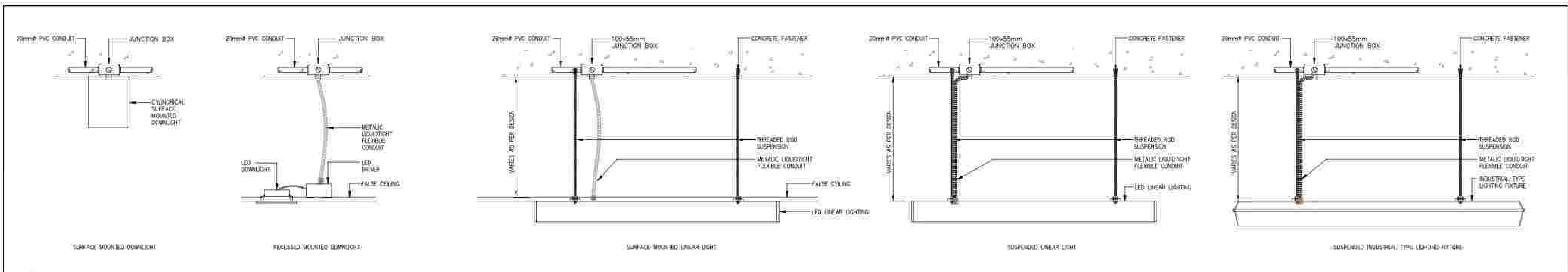
DESIGNATION:	LPAA3	MOUNTING:	SURFACE													
SYSTEM:	400/230 VOLTS	ENCLOSURE:	NEMA - 1													
MIN. I.C.	18 AW	FEED:	OPAA1													
LOCATION:	LAB ASSISTANT'S WORKSTATION															
CMT NO.	LOAD DESCRIPTION	CONNECTED LOAD						OVERCURRENT			CONDUCTOR		RACEWAY		REMARKS	
		VA	D.F.	AMPERE				AT	AF	P	CODE	TYPE	CODE	TYPE		
				3-φ	4-φ	1ØR	0ØB									
1	LIGHTING	3.00	1.00		2.04			20	100	1	90.0	THWN	90.0	PVC		
2	LIGHTING	5.40	1.00		2.38			20	100	1	90.0	THWN	90.0	PVC		
3	LIGHTING	1.20	1.00			3.72		20	100	1	90.0	THWN	90.0	PVC		
4	LIGHTING	2.00	1.00			1.11		20	100	1	90.0	THWN	90.0	PVC		
5	LIGHTING	1.00	1.00				0.69	20	100	1	90.0	THWN	90.0	PVC	NOTE 4	
6	EXIT LIGHTS	1.00	1.00				0.69	20	100	1	90.0	THWN	90.0	PVC		
7	LIGHTING	1.00	1.00			0.78		20	100	1	90.0	THWN	90.0	PVC		
8	SPARE	3.00	1.00			1.54		20	100	1						
9	SPARE	3.00	1.00			1.54		20	100	1						
10	RECEPTACLE OUTLET	2.70	0.00			11.74		20	100	1	90.0	THWN	90.0	PVC		
11	RECEPTACLE OUTLET	1.40	0.00				6.82	20	100	1	90.0	THWN	90.0	PVC		
12	RECEPTACLE OUTLET	1.00	0.00				4.00	20	100	1	90.0	THWN	90.0	PVC		
13	RECEPTACLE OUTLET	2.70	0.00			11.74		20	100	1	90.0	THWN	90.0	PVC		
14	RECEPTACLE OUTLET	1.40	0.00			6.82		20	100	1	90.0	THWN	90.0	PVC		
15	CEILING FAN	400	0.00			1.74		20	100	1	90.0	THWN	90.0	PVC		
16	CEILING FAN	400	0.00			3.48		20	100	1	90.0	THWN	90.0	PVC		
17	RECEPTACLE OUTLET	1.40	0.00			6.82		20	100	1	90.0	THWN	90.0	PVC		
18	HAND DRYER	2.00	0.00			10.00		20	100	1	90.0	THWN	90.0	PVC		
19	HAND DRYER	2.00	0.00			10.00		20	100	1	90.0	THWN	90.0	PVC		
20	WATER	5.40	0.00			2.38		20	100	1						
21	PROVISION FOR ACCESS CONTROL	1.00	0.00			4.00		20	100	1	90.0	THWN	90.0	PVC		
22	RECEPTACLE OUTLET	2.00	0.00			12.82		20	100	1	90.0	THWN	90.0	PVC		
23	SPARE	5.40	0.00				2.38	20	100	1						
24	SPARE	5.40	0.00				2.38	20	100	1						
25	SPARE	5.40	0.00			2.38		20	100	1						
26	SPARE	5.40	0.00			2.38		20	100	1						
27	SPARE	5.40	0.00			2.38		20	100	1						
28	PROVIDE LIFT LIGHTING	1.00	1.00			4.33		20	100	1	90.0	THWN	90.0	PVC		
29	SPARE	5.40	0.00				2.38	20	100	1						
30	WATER FOUNTAIN	1.20	0.75			5.58		20	100	1	90.0	THWN	90.0	PVC		
31	WATER FOUNTAIN	1.20	0.75			5.58		20	100	1	90.0	THWN	90.0	PVC		
32	PROVISION CCTV	1.00	0.00			4.33		20	100	1	90.0	THWN	90.0	PVC		
33	PROVISION ICE	1.00	0.75			4.33		20	100	1	90.0	THWN	90.0	PVC		
34	SPARE	5.40	0.00			2.38		20	100	1						
35	SPARE	5.40	0.00			2.38		20	100	1						
36	SPARE	5.40	0.00				2.38	20	100	1						
37	SPARE	5.40	0.00					100		1						
38	SPARE							100								
39	SPARE							100								
40	SPARE							100								
41	SPARE							100								
42	SPARE							100								
TOTAL		34.00	0.00		82	3.3	0.6	40								
DEMAND FACTOR		0.47	MAIN CB		0.47		0.47		0.47		0.47		0.47			
DEMAND VA		16.412	FEEDER		16.412		16.412		16.412		16.412		16.412			
		15	AMPS		CODE		XLD		TYPE		THWN		RACEWAY		R/C/PVC	
		15														
NOTE: 1. PROVIDE 100% NEUTRAL COPPER BULBUL.																
2. PROVIDE GROUNDING COPPER BULBUL CONDUITS WITH THE LOCAL CODE REQUIREMENT.																
3. WIRE BENDING CLEARANCE(S) SHALL COMPLY WITH THE LOCAL CODE REQUIREMENT.																
4. CONTROLLED BY DEMAND SECTION.																

DESIGNATION:		PPAA2		400/230 VOLTS		3Ø, 3 WIRE + N + GROUND, 60HZ		MOUNTING:		SURFACE:					
SYSTEM:		400/230 VOLTS		22 NA				ENCLOSURE:		NEMA - 1B					
MIN. I.C.		22 NA						FEED:		DPAAN					
LOCATION:		ROOF DECK													
OCT. NO.	LOAD DESCRIPTION	CONNECTED LOAD						OVERCURRENT			CONDUCTOR		RACEWAY		REMARKS
		VA	D.F.	AMPERE				AT	AF	P	CODE	TYPE	CODE	TYPE	
				1 Ø	ØAN	ØBN	ØCN								
1	ECB-PVDC-UT	2,941	0.70	4.25				20	100	3	Ø3.5	THWN	Ø3.5	PVC-BUS	
2	SPARE	2,000	0.30	2.89				20	100	3					
3	ECB-ACCU-A-2F-10A	2,550	0.70		11.08			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
4	ECB-ACCU-A-2F-10B	2,550	0.70		11.08			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
5	ECB-ACCU-A-2F-0F-01	1,613	0.70		7.01			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
6	ECB-ACCU-A-2F-0F-02	1,613	0.70		7.01			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
7	ECB-ACCU-A-2F-0F-03	2,403	0.70			10.34		20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
8	ECB-ACCU-A-2F-0F-04	2,550	0.70			11.08		20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
9	ECB-ACCU-A-2F-0F-05	2,403	0.70		10.34			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
10	ECB-ACCU-A-2F-11	1,980	0.70		0.20			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
11	ECB-ACCU-A-2F-12	1,980	0.70			0.48		20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
12	SPARE	1,980	0.30			0.20		20	100	1					
13	ECB-ACCU-A-2F-06	1,613	0.70			0.48		20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
14	ECB-ACCU-A-2F-07	3,963	0.70			22.01		40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
15	ECB-ACCU-A-2F-08	3,403	0.70		22.01			40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
16	ECB-ACCU-A-2F-09	1,612	0.70	7.41				40	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
17	ECB-ACCU-A-2F-08	5,800	0.70			33.91		40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
18	ECB-ACCU-A-2F-07	5,920	0.70			33.91		40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
19	ECB-ACCU-A-2F-06	5,800	0.70			33.91		40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
20	ECB-ACCU-A-2F-05	1,613	0.70			7.01		20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
21	ECB-ACCU-A-2F-04	2,770	0.70	11.34				20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
22	SPARE	1,980	0.30	4.25				20	100	1					
23	SPARE	1,980	0.30		0.20			20	100	1					
24	SPARE	1,980	0.30		0.20			20	100	1					
25	ECB-ACCU-A-2F-09	1,788	0.70			7.77		20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
26	ECB-ACCU-A-2F-08	4,765	0.70			20.72		40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
27	ECB-ACCU-A-2F-05	5,920	0.70	23.91				40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
28	ECB-ACCU-A-2F-04	5,920	0.70	23.91				40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
29	ECB-ACCU-A-2F-03	3,920	0.70		23.91			40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
30	ECB-ACCU-A-2F-02	5,920	0.70		23.91			40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
31	ECB-ACCU-A-2F-01	5,920	0.70		23.91			40	100	1	Ø5.5	THWN	Ø5.5	PVC-BUS	
32	ECB-ACCU-A-2F-03	1,788	0.70		7.77			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
33	ECB-ACCU-A-2F-04	1,613	0.70		0.48			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
34	SPARE	1,980	0.30	4.25				20	100	1					
35	ECB-ACCU-A-2F-11A	2,550	0.70		11.08			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
36	ECB-ACCU-A-2F-11B	2,550	0.70		11.08			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
37	ECB-ACCU-A-2F-10A	2,550	0.70			11.08		20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
38	ECB-ACCU-A-2F-10B	2,550	0.70		11.08			20	100	1	Ø3.5	THWN	Ø3.5	PVC-BUS	
TOTAL		111,343	0.68	7.12	140	104	164	42							
DEMAND FACTOR:		0.67		MAIN CB:		100 AT		100 AF		3 P		400 V			
DEMAND VA:		75,110		FEEDER:											

DESIGNATION		POL1	ACCOUNTING				FREE STANDING									
SYSTEM:		480/208 VOLTS	3Ø, 3 WIRE + N + GROUND GPM				ENCLOSURE									
MIN. 1 C.		20 KA					NEMA 3R									
LOCATION:		LANDSCAPE					FEED									
							DRAFT									
CMT. NO.	LOAD DESCRIPTION	VA	O.F.	CONNECTED LOAD				OVERCURRENT			CONDUCTOR		RACEWAY		REMARKS	
				I 10	Q/AN	Q/EN	Q/CH	AT	AF	P	CODE	TYPE	CODE	TYPE		
1	LIGHTING	420 1.00			1.33			20	100	1						
2	LIGHTING	420 1.00			1.33			20	100	1						
3	LIGHTING	420 1.00				1.33		20	100	1						
4	LIGHTING	420 1.00				1.33		20	100	1						
5	LIGHTING	420 1.00					1.33	20	100	1						
6	LIGHTING	420 1.00					1.33	20	100	1						
7	LIGHTING	420 1.00			1.33			20	100	1						
8	LIGHTING	420 1.00			1.33			20	100	1						
9	LIGHTING	420 1.00				1.33		20	100	1						
10	LIGHTING	420 1.00				1.33		20	100	1						
11	LIGHTING	420 1.00					1.33	20	100	1						
12	LIGHTING	420 1.00					1.33	20	100	1						
13	LIGHTING	420 1.00			1.33			20	100	1						
14	LIGHTING	420 1.00			1.33			20	100	1						
15	LIGHTING	420 1.00				1.33		20	100	1						
16	LIGHTING	420 1.00				1.33		20	100	1						
17	LIGHTING	420 1.00					1.33	20	100	1						
18	LIGHTING	420 1.00					1.33	20	100	1						
19	LIGHTING	420 1.00			1.33			20	100	1						
20	LIGHTING	420 1.00			1.33			20	100	1						
21	LIGHTING	420 1.00				1.33		20	100	1						
22	LIGHTING	420 1.00				1.33		20	100	1						
23	LIGHTING	420 1.00					1.33	20	100	1						
24	LIGHTING	420 1.00					1.33	20	100	1						
25	LIGHTING	420 1.00			1.33			20	100	1						
26	LIGHTING	420 1.00			1.33			20	100	1						
27	LIGHTING	420 1.00				1.33		20	100	1						
28	LIGHTING	420 1.00				1.33		20	100	1						
29	SPACE	420 1.00					1.33	20	100	1						
30	SPACE	420 1.00					1.33	20	100	1						
31	SPACE	420 1.00			1.33			20	100	1						
32	SPACE	420 1.00			1.33			20	100	1						
33	SPACE	420 1.00				1.33		20	100	1						
34	SPACE	420 1.00				1.33		20	100	1						
35	SPACE	420 1.00					1.33	20	100	1						
36	SPACE	420 1.00					1.33	20	100	1						
37	SPACE	420 1.00						20	100	1						
38	SPACE	420 1						20	100	1						
39	SPACE	420 1						20	100	1						
40	SPACE	420 1						20	100	1						
41	SPACE	420 1						20	100	1						
42	SPACE	420 1						20	100	1						
TOTAL		1.00	15.30	1.00	-	20	32	22		42						
DEMAND FACTOR		1.00	MAIN CB				60 AT	100 AF	3 P	400 V						
DEMAND VA		15.30	FEEDER				CODE	X24	TYPE	THWN	RACEWAY	ING / PVC				
		15.30	22	AMPS												
NOTE: 1. PROVIDE 100% NEUTRAL COPPER BUSBAR																
2. PROVIDE GROUNDING COPPER BUSBAR COMPLYING WITH THE LOCAL CODE REQUIREMENT																
3. WIRE BENDING CLEARANCE(S) SHALL COMPLY WITH THE LOCAL CODE REQUIREMENT																

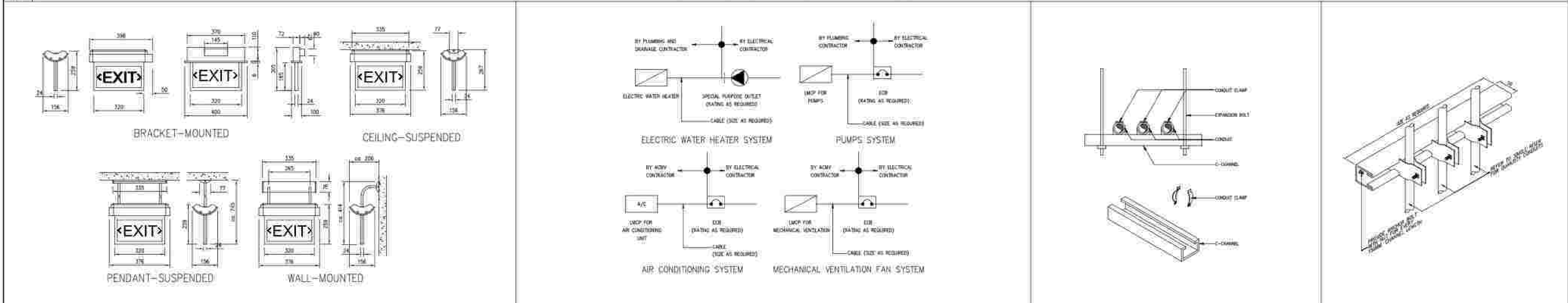
DESIGNATION: PPAH-1				MOUNTING SURFACE											
SYSTEM: 400/200 VOLTS				ENCLOSURE NEMA - 1											
MIN I.C. 22 KA				FEED											
LOCATION: KITCHEN				FEED											
CMT NO.	LOAD DESCRIPTION	CONNECTED LOAD						OVERCURRENT		CONDUCTOR		RACEWAY		REMARKS	
		VA	D.P.	AMPERE											
				1 @	2 @	3 @	4 @	AT	AF	P	CODE	TYPE	CODE		TYPE
1	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
2	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
3	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
4	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
5	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
6	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
7	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
8	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
9	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
10	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
11	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
12	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
13	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
14	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
15	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
16	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
17	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
18	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
19	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
20	BOE-KP-A-RP-21	1,294	0.75	5.83				25	300	3	75.5	THWN	12.5	PVC	
TOTAL		26,871	0.65	33.13	30	35	35	35	35	35	35				
DEMAND FACTOR		0.55	MAIN ES				AT		AF		EP		OCV		
DEMAND VA		14,881	FEEDER				TYPE		TYPE		RACEWAY		MC / PVC		
I ₁ = 40		40	AMPS				CODE		TYPE		RACEWAY		MC / PVC		
NOTE: 1. PROVIDE 100% NEUTRAL COPPER BUDGET. 2. PROVIDE GROUNDING COPPER BUSBAR COMPLYING WITH THE LOCAL CODE REQUIREMENT. 3. WIRE BENDING CLEARANCE(S) SHALL COMPLY WITH THE LOCAL CODE REQUIREMENT.															

DESIGNATION:		O.P.M.1		ROUTING:		SURFACE:										
SYSTEM:		400/230 VOLTS		ENCLOSURE		NEMA - 3										
MIN. I.C.		22 A.		FERR.		MCP-1										
LOCATION:		SEAUX ROOM														
CIR. NO.	LOAD DESCRIPTION	CONNECTED LOAD							OVERCURRENT			CONDUCTOR		RACEWAY		REMARKS
		VA	D.P.	AMPERE				A.T	A.F	P	CODE	TYPE	CODE	TYPE		
				1.0	0.85	0.58	0.42									
1	PPSTR	37,481	0.60	52.00	1.52		2.79	2.88	100	125	3	X35	T-50W	X35	PVC INC	
2	PPM1	71,788	0.60	103.00					100	125	3	X32	T-50W	X32	PVC INC	
3	PPM2	61,562	0.50	54.89	60.55	88.58	60.13	80	100	3	X27	T-50W	X27	PVC INC		
4	LPN1	30,546	0.50		53.70	51.00	48.04	60	100	3	X34	T-50W	X34	PVC INC		
5	LPN2	44,307	0.60			62.34	69.28	73.19	60	100	5	X34	T-50W	X34	PVC INC	
6	LPN3	66,468	0.62	1.30	32.07	11.26	22.08	30	100	3	X3.5	T-50W	X3.5	PVC INC		
7	SPACE	10,000	0.30		14.43			40	100	1						
8	SPACE	10,000	0.50		14.43			40	100	3						
9	SPACE								100	3						
10	SPACE								100	3						
TOTAL				298,239	0.58	181.46	225	228	1.228		30					
DEMAND FACTOR:		0.55		MAIN CB:				100 AT		400 AF		3 P		400 W		
DEMAND VA:		165,742		FERR:												
		1.2 = 241		AMP:												
1. 400mm ² T-50W 4/0 USE 2mm ² T-50W IN 300mm ² PVC UNBURNED CONCRETE ENCLOSURE																
NOTE: 1. PROVIDE 100% NEUTRAL COPPER BULBARK 2. PROVIDE GROUNDING COPPER BULBARK COMPLYING WITH THE LOCAL CODE REQUIREMENT 3. WIRE BEND/JO CLEANANCES SHALL COMPLY WITH THE LOCAL CODE REQUIREMENT																



1. NTS

LIGHTING FIXTURES INSTALLATION DETAILS



2. NTS

EXIT LIGHT MOUNTING DETAIL

3. NTS

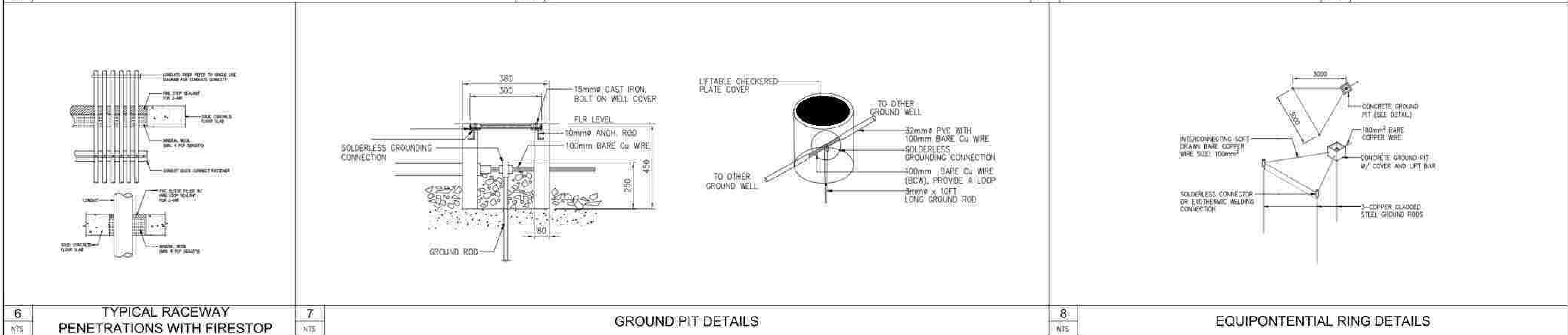
MEPF INTERFACE DETAILS

4. NTS

CONDUIT SUPPORT DETAIL

5. NTS

CONDUIT RISER DETAIL



6. NTS

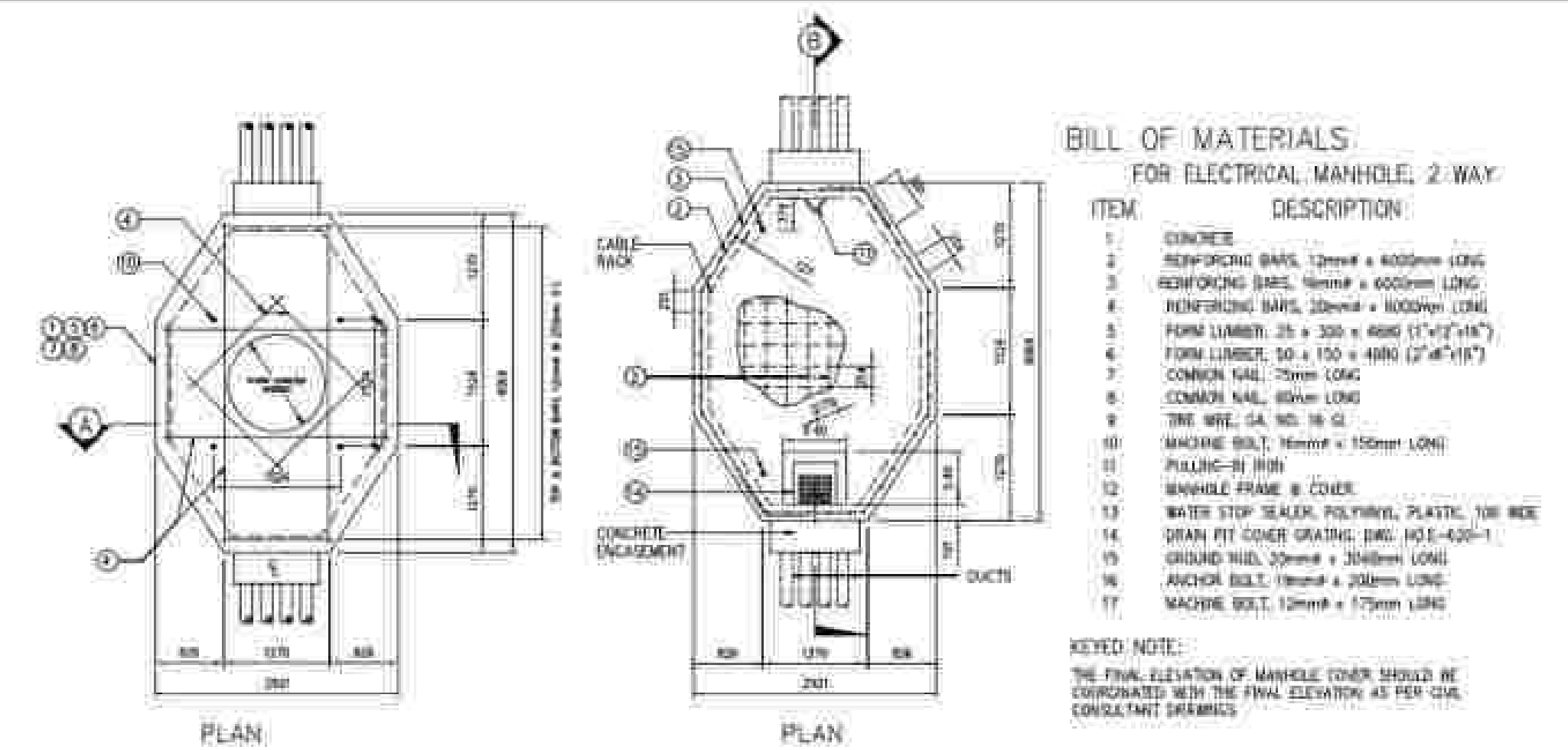
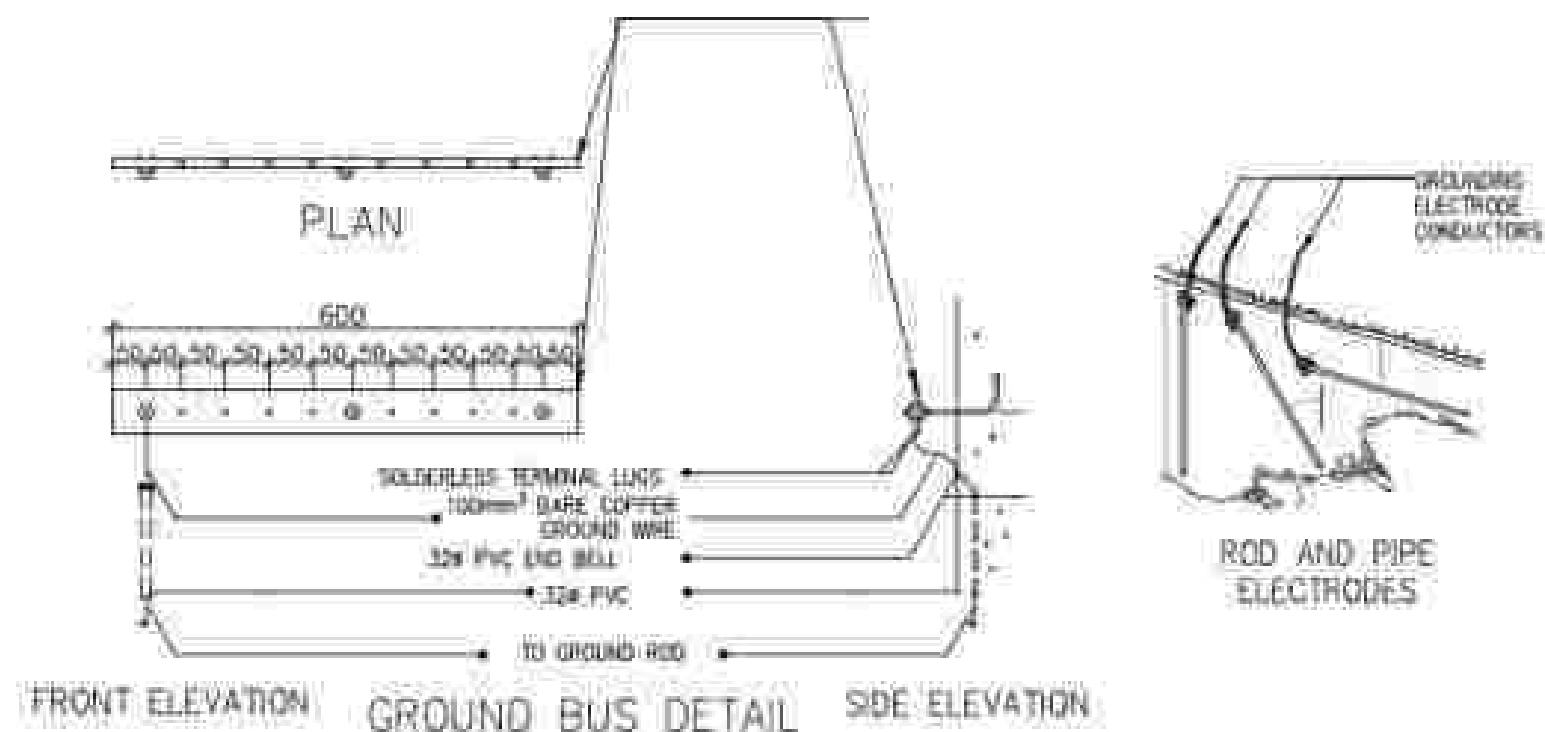
TYPICAL RACEWAY PENETRATIONS WITH FIRESTOP

7. NTS

GROUND PIT DETAILS

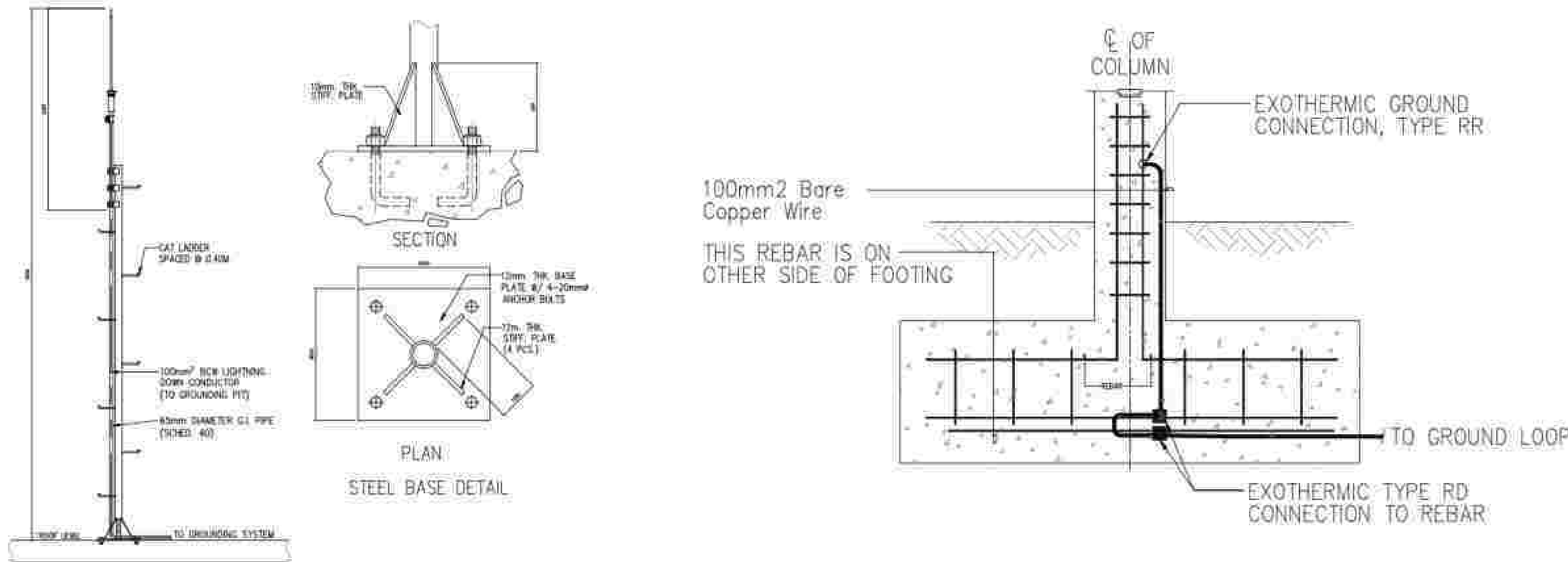
8. NTS

EQUIPONTENTIAL RING DETAILS



1 NTS

GROUNDING DETAILS

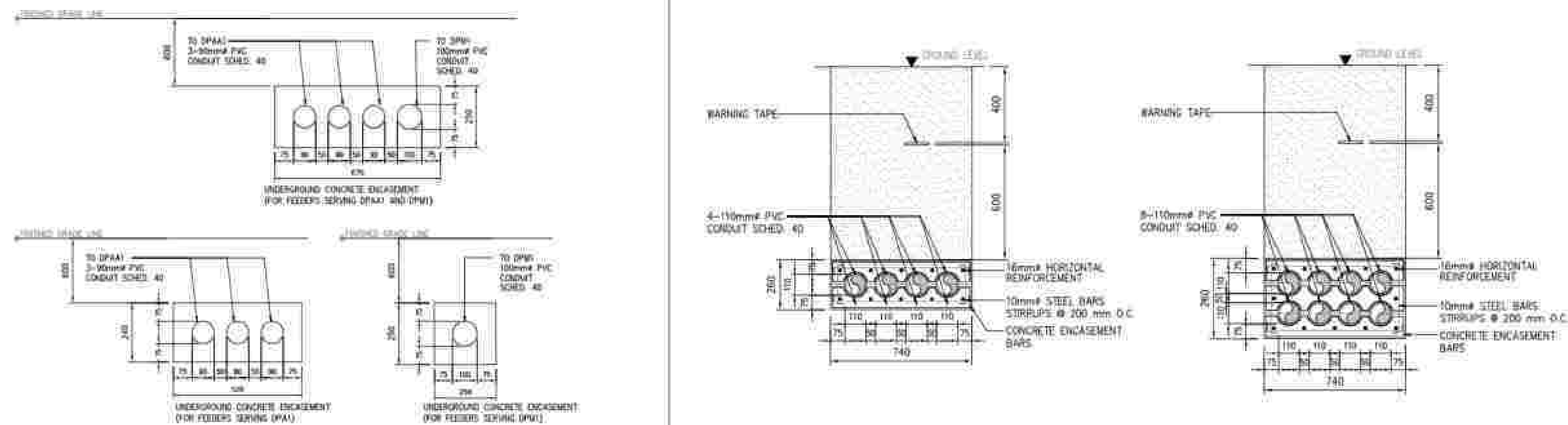


2 NTS

LIGHTNING PROTECTION (ESE TYPE) DETAILS

3 NTS

GROUNDING DETAILS FOR STRUCTURAL REBAR



4 NTS

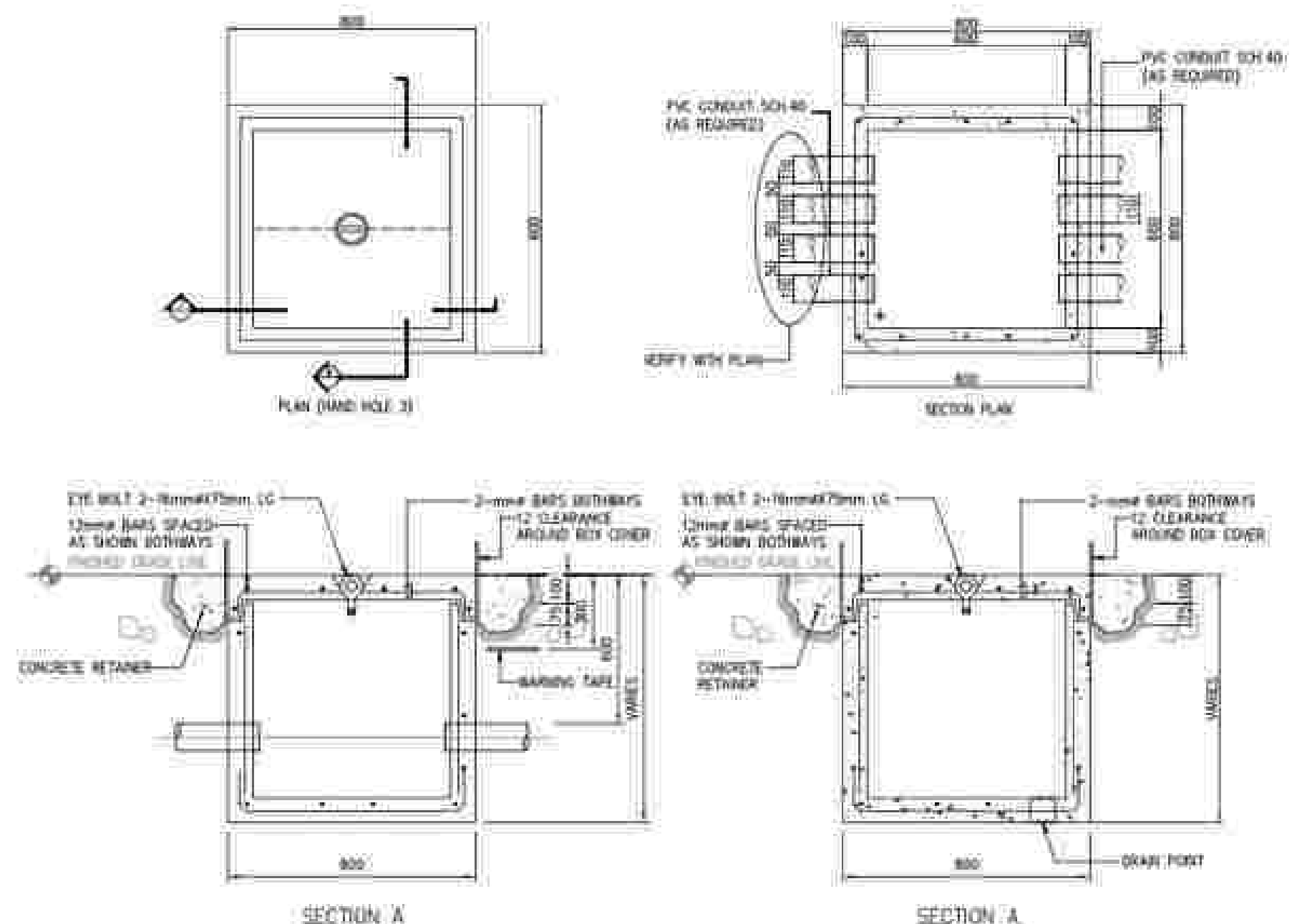
UNDERGROUND CONCRETE ENCASEMENT DETAILS

5 NTS

MEDIUM VOLTAGE UNDERGROUND CONCRETE

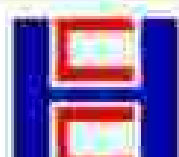
7 NTS

HAND HOLE DETAILS



NATIONAL ACADEMY OF SPORTS PHASE 1
NEW CLARK CITY, CAPAS,TARLAC

MECHANICAL
AS-BUILT DRAWINGS

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GENERAL NOTES:

- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. (DO NOT SCALE FOR EQUIPMENT, DEVICE OR MATERIAL LOCATIONS. IT IS INTENDED THAT A COMPLETE HVAC SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS COMPLETELY COORDINATED WITH ALL DISCIPLINES. DOCUMENTS STRICTLY CONFORM WITH ALL PARAMETERS GIVEN IN THESE DOCUMENTS. ANY ITEMS AND LADING REQUIRED FOR A COMPLETE AIR-CONDITIONING & VENTILATION LAYOUT SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE CONTRACT. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHEET METAL AND PIPING SHOP DRAWINGS. EACH TRADE SHALL PREPARE ITS OWN FABRICATION AND INSTALLATION DRAWINGS FOR COORDINATION WITH ALL OTHER DISCIPLINES.
- ALL FDU/ACCU SYSTEM ARE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. REFRIGERANT PIPING LAYOUT AND SIZE ARE APPROVED BY CERTIFIED CONTRACTOR.
- ALL REFRIGERANT LINE DOES NOT EXCEED THE ALLOWABLE PIPING LENGTH AS INDICATED THE MANUFACTURER'S TECHNICAL BROCHURE/CATALOGUE. THIS ARE ALLOWED TO SUBMITTER TO ENSURE EFFICIENT INSTALLATION.
- ALL JOINTS FOR CONDENSATE DRAIN PIPE (CDP) CONNECTIONS TO PLUMBING SUB-DUCTS OR COP LINES ARE PART OF MECHANICAL WORKS.
- ALL DUCT-DIMENSIONS INDICATED ARE INSIDE CLEAR DIMENSIONS IN MM, EXCLUDING INTERNAL LINING & EXTERNAL INSULATION THICKNESS, UNLESS OTHERWISE INDICATED.
- CEILING ACCESS ARE PROVIDED TO EQUIPMENT, DAMPER, VALVES AND OTHER DEVICES LOCATED ABOVE CEILING. COORDINATE WITH ARCHITECTS FOR EXACT LOCATIONS.
- ALL OPENING FOR DUCTS AND PIPES DOES NOT, IN ANYWAY, PENETRATE STRUCTURAL FIBER OR BEAMS.
- ALL MOTOR CONTROLLERS FOR MECHANICAL MOTORS ARE SUPPLIED BY CERTIFIED CONTRACTOR.
- ALL EXTERNAL LOUVERS ARE WEATHERPROOF TYPE WITH 13mm STAINLESS STEEL MESH.
- THE FREE AREA OF ALL EXTERNAL LOUVERS SHALL BE A MINIMUM OF 50% OF GROSS AREA.
- EMERGENCY STOP OR DISCONNECT SWITCHES ARE INSTALLED ADJACENT TO EACH MOTOR.
- VOLUME CONTROL DAMPER IS PROVIDED FOR SUPPLY AND EXHAUST AIR DUCT AT EACH BRANCH, WHETHER SHOWN OR NOT SHOWN ON PLANS.
- IN ADDITION TO THOSE SHOWN ON THE DRAWINGS THE CONTRACTOR SHALL SUPPLY AND INSTALL FIRE DAMPERS FOR AIR DUCTS PASSING THROUGH ALL FIRE RATED WALLS / SLABS IN ORDER TO FULFILL THE REQUIREMENTS OF LOCAL AUTHORITY, ALSO REFER TO FIRE-LIFE SAFETY PLANS.
- AIR TIGHT ACCESS PANELS ARE PROVIDED ON AIR DUCTS ADJACENT TO FIRE DAMPERS FOR INSPECTION AND MAINTENANCE.
- THE CONTRACTOR PROVIDED AND SELECTED SILENCERS FOR ALL FAN AT SUCTION AND DISCHARGE SIDE CONNECTIONS TO ACHIEVE THE SPECIFIED ROOM AND EXTERNAL ACOUSTIC LEVELS AS REQUIRED. COORDINATE WITH THE ACOUSTIC AND/OR CONTRACTOR.
- ALL AIR GRILLES / LOUVERS ARE MADE OF ALUMINUM UNLESS OTHERWISE SPECIFIED. THE COLOR & SURFACE FINISHING OF THE GRILLES / LOUVERS ARE SUBMITTED TO ARCHITECT FOR APPROVAL BEFORE MATERIAL ORDERING. UNLESS OTHERWISE SPECIFIED, COLOR FINISH SHALL BE IN SANDED DIAMOND PAINT.
- ALL VIBRATION MOUNTS FOR EQUIPMENT AND PIPE WORK IS OF SEISMIC SPRING TYPE UNLESS OTHERWISE SHOWN ON DRAWINGS.
- FOR PIPES, SLEEVES AND DUCTS PASSING THROUGH FIRE BARRIER, THE GAP BETWEEN THE PIPES AND ITS SLEEVES AND THE GAP BETWEEN THE DUCTS AND FIRE BARRIER, SEALED WITH FIRESTOP MATERIALS, HAVING A PERIOD OF FIRE RESISTANCE EQUAL TO THE FIRE BARRIERS.
- WHERE DUCT REQUIRING INSULATION PASSES THROUGH A FIRE BARRIER AND IS PROVIDED WITH A FIRE DAMPER, THE FIRE DAMPER MUST HAVE A PERIOD OF FIRE RESISTANCE EQUAL TO THE DAMPERS.
- ALL DUCT ELBOWS ARE FITTED WITH TURNING VANES TO SMOOEN STANDARDS.
- SIZE OF GRILLES AND DIFFUSERS SHOWN ARE NOM. SIZE.
- SIZE OF ALL BRANCH DUCTS TO GRILLES, LOUVERS OR DIFFUSERS ARE THE SAME OF THE NECK SIZE OF THE RESPECTIVE GRILLES, LOUVERS OR DIFFUSERS.
- ALL GRILLES AND DIFFUSERS ARE INSTALLED WITH INTERNAL OPPOSED BLADE VOLUME CONTROL DAMPERS, REMOVBLE FROM THE GRILLE/DIFFUSER FACE.
- IN THE ABSENCE OF ANY OTHER REQUIREMENT NOT FOUND IN THE PSME CODE, THE MATERIALS, CONSTRUCTION AND INSTALLATION OF THE DUCTWORKS COMPLIED WITH THE REQUIREMENT OF SMOOEN OR ASHRAE.
- SUPPLY AIR DUCTS DOWNSTREAM OF FDU'S ARE TO BE INTERNALLY LINED WITH ACOUSTIC MATERIALS UP TO THE FIRST BRANCH OR UP TO A MINIMUM OF 3.0m WHICHEVER IS LARGER. ALL ACOUSTIC MATERIALS ARE TO BE NON-COMBUSTIBLE TYPE ACCEPTABLE TO FIRE SAFETY DEPARTMENT AND /AQ CODE OF PRACTICE.
- ALL EQUIPMENT, DUCTWORKS AND OTHER ACCESSORIES INSTALLED OUTDOOR ARE WEATHERPROOFED AND PROTECTED.
- COORDINATE AND REFER TO ARCHITECTURAL CEILING PLANS AND FINAL FF & E LAYOUT FOR EXACT LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES. COORDINATE EXACT LOCATION OF SLOTS, GRILLES, REGISTERS AND DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLANS. IF A PARTICULAR ITEM IS NOT SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN, PREPARE A DRAWING AND PRESENT IT TO THE ARCHITECT FOR HIS REVIEW AND/OR APPROVAL.
- DUCTWORK LEVEL IS MAINTAINED AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. TRANSITION RECTANGULAR DUCTWORK ON THE TOP AND AT THE SIDES. ALL DUCT TRANSITIONS FROM SQUARE TO ROUND ARE SMOOTH SQUARE TO ROUND TRANSITIONS SHOWN IN FITTINGS AT THE END OF CAPPED DUCTS ARE NOT ACCEPTABLE.
- ALL OPEN ENDED DUCTS ARE BELLMOUTHED, SCREENED AND REINFORCED WITH 57.5mm x 57.5mm x 3.5mm GALVANIZED STEEL ANGLES BOLTED, SCREWED OR RIVETED 150mm ON CENTER (MAXIMUM) ALL AROUND THE EXTERIOR PERIMETER OF THE DUCT.
- ALL BRANCH DUCTWORK IS THE SAME SIZE AS THE DIFFUSER CONNECTION SERVED UNLESS OTHERWISE NOTED.
- ALL DIFFUSERS INSTALLED IN LAY-IN CEILING IS 4-WAY BLOW, ADJUST ALL DIFFUSERS IN CORRIDORS OR WITHIN 300mm OF A WALL TO PROVIDE 2-WAY OR 3-WAY BLOW AWAY FROM OR PARALLEL TO WALLS.
- ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES LOCATED IN INACCESSIBLE CEILING SHALL HAVE FACE OPERABLE DAMPERS TO ALLOW AIR BALANCING OF THE SYSTEM AFTER THE CEILING IS IN PLACE.
- INSULATE ALL SUPPLY AND RETURN AIR DUCTWORK.
- ALL TERMINAL, UNIT, ROUTE, VALVES, FANS AND DAMPERS ABOVE CEILING SHALL BE ACCESSIBLE. COORDINATE ALL ACCESS PANELS IN CEILING OR WALLS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND INTERIOR DRAWINGS FOR PROPER LOCATION. NO ACCESS PANELS ARE ALLOWED IN PUBLIC SPACES WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
- FOR ALL EQUIPMENT, DUCTWORK, PIPING AND APPURTENANCES EXPOSED TO AN OUTDOOR ENVIRONMENT, SPECIAL CARE SHALL BE TAKEN TO ENSURE THAT THE UNIT CASING, MOTORS, VALVES AND OTHER APPURTENANCES ARE PROPERLY PROTECTED AS SPECIFIED. PROVIDE EITHER AN EPOXY COATING, STAINLESS STEEL MATERIALS OR OTHER SIMILAR WEATHERPROOFING PROTECTION.
- THE CONTRACTOR SHALL MAKE FINAL CONNECTION TO ALL EQUIPMENT INDICATED ON DRAWINGS INCLUDING KITCHEN AND ANY EQUIPMENT FURNISHED BY OWNER. FINAL CONNECTION SHALL INCLUDE, BUT NOT BE LIMITED TO ANY ADAPTERS, SMOOEN, SHUTOFF VALVES AND PRESSURE REGULATING VALVES REQUIRED.
- THE FRESH AIR DUCT (BRANCH DUCT) SERVING EACH FAN COIL UNIT ARE PROVIDED WITH VOLUME DAMPER WHETHER SHOWN OR NOT SHOWN ON DRAWINGS.
- ALL FANS, FDU'S AND OTHER AIR DISTRIBUTION EQUIPMENT DISCHARGING INTO COMMON DUCTS, RIDER OR HEADERS ARE PROVIDED WITH BACKDRAFT DAMPERS, WHETHER SHOWN OR NOT SHOWN ON DRAWINGS.
- AFTER SUBMITTAL APPROVALS AND PRIOR TO ORDERING OF ANY EQUIPMENT OR ACCESSORIES, OR BEFORE FABRICATION AND/OR ASSEMBLY OF PIPING, DUCTS AND ANY DEVICES/COMPONENTS, THE CONTRACTOR SHALL ENSURE THAT EVERYTHING HAS BEEN VERIFIED AT SITE AND COORDINATED WITH ALL THE OTHER DISCIPLINES AS TO THE CONTRACTIBILITY AND MAINTAINABILITY OF THE EQUIPMENT AND UTILITIES. IF FOR ANY REASON, CONFLICT ARISE DUE TO CONTRACTOR'S FAILURE TO FOLLOW THE ABOVE OR HIS LACK OF DUE DILIGENCE, ALL WORKS AS MANDATED SHALL BE PERFORMED BY THE CONTRACTOR WITHOUT ADDITIONAL COST CHARGE ORDER.

- DUCT CUTS WITH CANVASS OR ANY RESILIENT MATERIAL SUCH AS RUBBER, ARE PROVIDED ESPECIALLY IN AREAS WHERE WALLS OR CEILING ARE ISOLATED FROM THE REST OF MAIN BUILDING STRUCTURE. THE SAME ARE APPLY FOR SERVICES PASSING THRU SEISMIC GAPS.
- ALL INSTALLATION WORK ARE DONE IN A NEAT AND WORKMAN LIKE MANNER.
- ALL CONTRACTORS ARE ADVISED TO VISIT AND SURVEY THE PLACE OF INSTALLATION.
- ALL MATERIALS ARE NEW AND CLEAN.
- ALL WORK ARE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF ACCEPTANCE.
- IN GENERAL, REFER TO MECHANICAL PLANS FOR QUANTITY OF AC & VENTILATION GRILLES AND DIFFUSERS FOR REFERENCE PURPOSES REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATION OF UTILITIES.
- ALL CEILING MOUNTED OR CEILING HANGED EQUIPMENT ARE PROVIDED WITH VIBRATION ISOLATOR TO PREVENT MECHANICAL NOISE TRANSFER.

NOTES ON PIPING INSTALLATION:

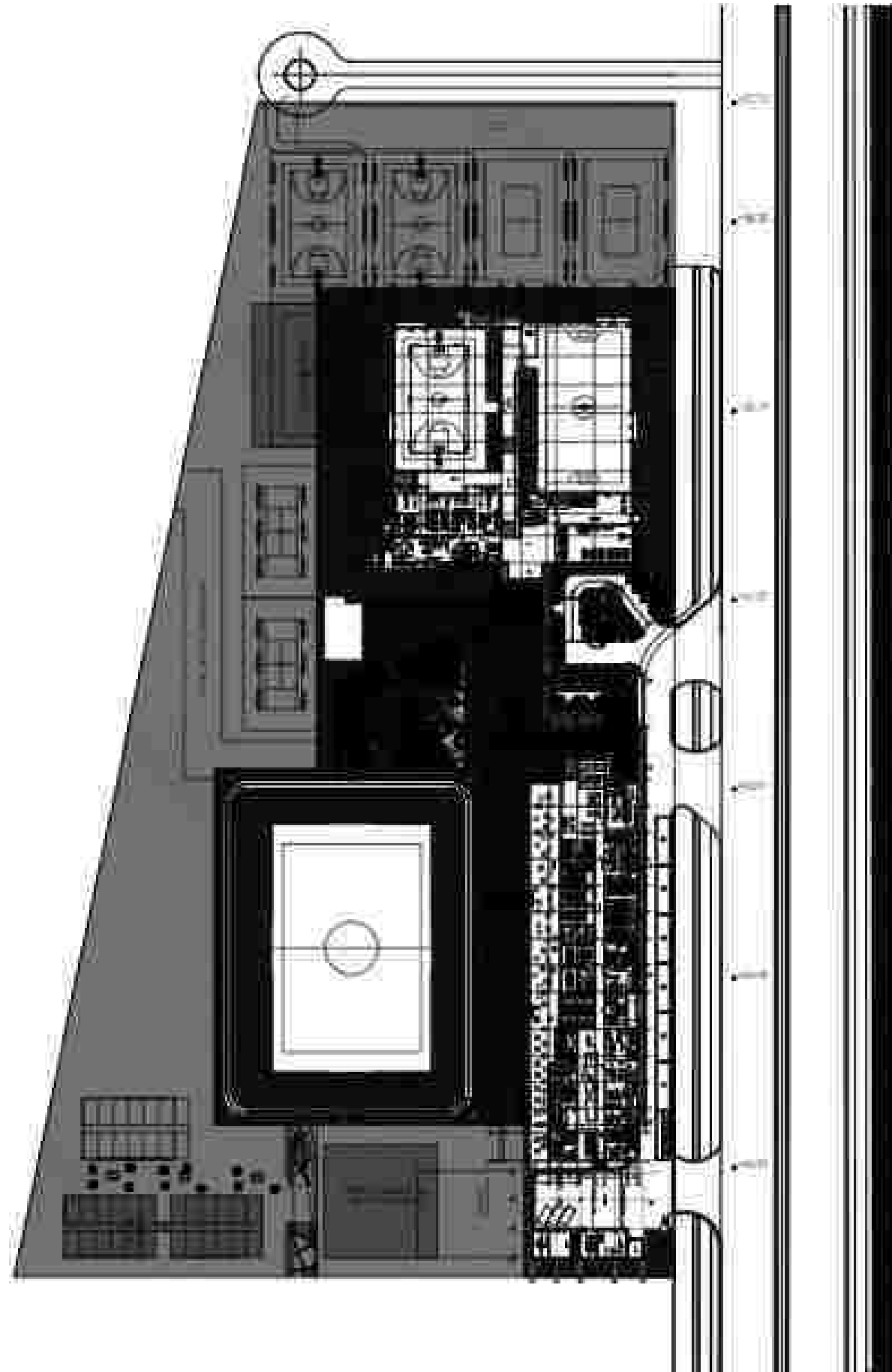
- REFRIGERANT PIPES ARE INTERNALLY CLEANED BY SWABING WITH CLEAN COTTON CLOTH TO REMOVE ALL DUST, BURRS, AND OTHER MISCELLANEOUS DIRT.
- WELD SOLDERING JOINTS & SWEET OF PURE NITROGEN GAS PASSED THRU PIPES TO PREVENT OXIDATION DEPOSITS INSIDE.
- FITTINGS:
 - A. USE STANDARD LONG RADIUS COPPER ELBOWS, REDUCERS, ETC DO NOT USE FIELD-FORMED ELBOWS, REDUCER ETC.
 - B. JOINTS BETWEEN PIPES ARE STANDARD COPPER COUPLING.
 - C. JOINTS TO WELDED ACCESSORIES SUCH AS EXPANSION VALVES, FILTER DRIER, ETC ARE MADE WITH STANDARD FLARED.
- THE COMPLETED PIPING INSTALLATION ARE LEAK TESTED BY SUBJECTING THE SAME WITH LIQUID AND SUCTION (LINE) TO A PRESSURE OF 3100mm USING DRY NITROGEN GAS. THIS PRESSURE IS LEFT FOR 24 HOURS AND THERE IS NO NOTICEABLE REDUCTION IN PRESSURE WITHIN THE PERIOD. THE NITROGEN CHARGE ARE RELEASED FOR THE EQUIPMENT CONNECTION. IF THERE IS NOTICEABLE IN THE TEST PRESSURE, LEAK ARE LOCATED AND REPAIRED.
- PROPERLY TESTED PIPING ARE SECURELY CAPPED AT BOTH END AND WITH HOLDING CHARGED AS STATED IN ITEM 4 ABOVE WHILE WAITING FOR FINAL CONNECTION TO EQUIPMENT. INSULATE SUCTON PIPING ONLY AFTER PROPER LEAK TESTING.

ABBREVIATIONS

ACCU	AIR-COOLED CONDENSING UNIT	MSTD	MOTORIZED SHUTOFF FIRE DAMPER
ACMV	AIR-CONDITIONING & MECHANICAL VENTILATION	KW	KILOWATT
AP	ACCESS PANEL	LMDP	LOCAL MOTOR CONTROL PANEL
BDD	BACK DRAFT DAMPER	MCC	MAIN CONTROL CENTER
CDP	CONDENSATE DRAIN PIPE	NTS	NOT TO SCALE
CDP	CONDENSATE DRAIN STACK	N.C	NORMALLY CLOSE
DDC	DIRECT DIGITAL CONTROL	OBVD	OPPOSED BLADE VOLUME DAMPER
DL	DOOR LOUVER	PACU	PREDICTION AIR-CONDITIONING UNIT
DU	DOOR UNDERCUT	PAD	PRE-COOLED AIR DUCT
ECB	ELECTRONIC CIRCUIT BREAKER	PCU	PRE-COOLED FAN COIL UNIT
EAD	EXHAUST AIR DUCT	RAD	RETURN AIR DUCT
EF	EXHAUST FAN	RAG	RETURN AIR GRILLE
EAG	EXHAUST AIR GRILLE	SA	SUPPLY AIR
EAL	EXHAUST AIR LOUVER	SAD	SUPPLY AIR DUCT
EAP	EXHAUST AIR REGISTER	SOD	SUPPLY CEILING DIFFUSER
F/A	FROM ABOVE	RP	REFRIGERANT PIPE
F/B	FROM BELOW	SLD	SUPPLY LINEAR DIFFUSER
FAD	FRESH AIR DUCT	SLD/SLG	SUPPLY LINEAR DIFFUSER/GRILLE
FAG	FRESH AIR GRILLE	T	TEMPERATURE
FAL	FRESH AIR LOUVER	TAD	TRANSFER AIR DUCT
FDU	FAN COIL UNIT	TAG	TRANSFER AIR GRILLE
FD	FIRE DAMPER	T/A	TO ABOVE
F/L	HIGH LEVEL	T/B	TO BELOW
HEAD	KITCHEN EXHAUST AIR DUCT	TEAD	TOILET EXHAUST AIR DUCT
KEF	KITCHEN EXHAUST FAN	TEAG	TOILET EXHAUST AIR GRILLE
KSF	KITCHEN SUPPLY FAN	TEF	TOILET EXHAUST FAN
KSAD	KITCHEN SUPPLY AIR DUCT	U/S	UNDER SLAB
L/S / LPS	LITERS PER SECOND	VD	VOLUME CONTROL DAMPER
MD	MOTORIZED DAMPER	WAC	WINDOW TYPE AIR-CONDITIONER

LEGEND & SYMBOLS

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	AIR-COOLED CONDENSING UNIT		SUPPLY/FRESH AIR GRILLE
	FAN COIL UNIT (WALL MOUNTED)		RETURN/EXHAUST AIR GRILLE
	FAN COIL UNIT (4-WAY CEILING CASSETTE)		SUPPLY CEILING DIFFUSER (SQUARE)
	CENTRIFUGAL FAN		SUPPLY LINEAR DIFFUSER
	IN-LINE EXHAUST FAN		RETURN LINEAR GRILLE
	CEILING MOUNTED CASSETTE EXHAUST FAN		DOOR LOUVER / DOOR UNDERCUT AIR FLOW DIRECTION (INDICATED BY BUILDER)
	WINDOW TYPE AIR CONDITIONER		FRESH AIR LOUVERS
	WALL MOUNTED EXHAUST FAN (PROPELLER)		EXHAUST AIR LOUVERS
	WALL MOUNTED SUPPLY FAN (PROPELLER)		REFRIGERANT PIPES
	SUPPLY / FRESH AIR DUCT RISER		CONTROL WIRE
	RETURN OR EXHAUST DUCT UP		CONDENSATE DRAIN PIPE
	FRESH / SUPPLY AIR DUCT DOWN		CAPPED PIPE
	EXHAUST / RETURN AIR DUCT DOWN		CONTINUOUS PIPE
	DOUBLE LINE DUCT		PIPE RISER DOWN
	CONCENTRIC DUCT REDUCER		PIPE RISER UP
	ECCENTRIC DUCT REDUCER		FAN SWITCH
	FIRE DAMPER		AC UNIT REMOTE CONTROLLER
	VOLUME CONTROL DAMPER		ENCLOSED CIRCUIT BREAKER
	MOTORIZED SMOKE AND FIRE DAMPER		LOCAL MOTOR CONTROL PANEL
	MOTORIZED VOLUME DAMPER		ACCESS PANEL
	SQUARE TO ROUND TRANSITION DUCT		
	EQUIPMENT DESIGNATION		



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NTS

SITE DEVELOPMENT PLAN

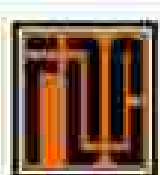
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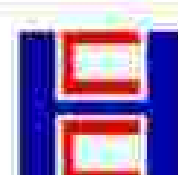
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PROJECT TITLE:

AS-BUILT DRAWING
NATIONAL ACADEMY OF SPORTS
PHASE 1
(MECHANICAL)
LOCATION: NCC MUNICIPALITY OF DAPAS, TAYLAC

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GENERAL NOTES, ABBREVIATIONS AND
LEGEND & SYMBOLS

SHEET NO.:

M0-01

SPLIT TYPE FAN COIL UNITS: (ACADEMIC AND ADMIN BUILDING)

EQUIPMENT SCHEDULE

SPLIT TYPE AIR-CONDITIONING UNITS:

FAN COIL UNIT PERFORMANCE DATA											AIR COOLED CONDENSING UNIT PERFORMANCE DATA							REMARKS	
UNIT DESIGNATION	QTY.	AREA SERVED	LOCATION	TYPE	SELECTED TOTAL COOLING CAPACITY (kW)	SELECTED SUPPLY AIR FLOW (l/s)	AIR COIL CONDITION		CONDENSATE DRAIN PIPE SIZE (mm)	EXTERNAL STATIC PRESSURE (Pa)	UNIT DESIGNATION	LOCATION	QTY.	TOTAL COOLING CAPACITY (kW)	TOTAL POWER INPUT (kW)	ELECTRICAL CHARACTERISTICS			
							ENTERING AIR TEMP (°C DB/WH)	LEAVING AIR TEMP (°C DB/WH)								VOLTS	PHASE		HERTZ
FCU-A-GF-01	1	SECURITY MONITORING & SURVEILLANCE DEPARTMENT	GROUND FLOOR	4-WAY CEILING CASSETTE	24.4	450	27/19	12.8/12.3	25	-	ACCU-A-GF-01	GROUND FLOOR	1	15.4	450	230	1	60	10 11
FCU-A-GF-01A (DUTY)	1	TELERO ROOM	GROUND FLOOR	WALL MOUNTED	6.44	267	27/19	12.8/12.3	25	-	ACCU-A-GF-01A (DUTY)	GROUND FLOOR	1	6.44	267	230	1	60	10 11
FCU-A-GF-01B (STAND-BY)	1	TELERO ROOM	GROUND FLOOR	WALL MOUNTED	6.44	267	27/19	12.8/12.3	25	-	ACCU-A-GF-01B (STAND-BY)	GROUND FLOOR	1	6.44	267	230	1	60	10 11
FCU-A-GF-03	1	SDM DIVISION	GROUND FLOOR	4-WAY CEILING CASSETTE	7.43	317	27/19	12.8/12.3	25	-	ACCU-A-3F-GF-03	THIRD FLOOR	1	7.43	317	230	1	60	10 11
FCU-A-GF-04	1	SDAS DIVISION	GROUND FLOOR	4-WAY CEILING CASSETTE	7.43	317	27/19	12.8/12.3	25	-	ACCU-A-3F-GF-04	THIRD FLOOR	1	7.43	317	230	1	60	10 11
FCU-A-GF-05	1	NATIONAL BOARD SEC ROOM	GROUND FLOOR	4-WAY CEILING CASSETTE	7.43	317	27/19	12.8/12.3	25	-	ACCU-A-3F-GF-05	THIRD FLOOR	1	7.43	317	230	1	60	10 11
FCU-A-GF-06	1	NASOED OFFICE	GROUND FLOOR	4-WAY CEILING CASSETTE	7.43	317	27/19	12.8/12.3	25	-	ACCU-A-3F-GF-06	THIRD FLOOR	1	7.43	317	230	1	60	10 11
FCU-A-GF-07	1	PHYSICALENT OFFICE	GROUND FLOOR	4-WAY CEILING CASSETTE	7.43	317	27/19	12.8/12.3	25	-	ACCU-A-GF-07	GROUND FLOOR	1	7.43	317	230	1	60	10 11
FCU-A-GF-08	1	ADMIN SERVICES	GROUND FLOOR	4-WAY CEILING CASSETTE	7.43	317	27/19	12.8/12.3	25	-	ACCU-A-GF-08	THIRD FLOOR	1	7.43	317	230	1	60	10 11
FCU-A-GF-09	1	HR DEPARTMENT	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-09	SECOND FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-10	1	TESTING ROOM/ X-RAY DEPARTMENT	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-10	GROUND FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-11	1	NATIONAL REGISTRAR	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-11	GROUND FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-12	1	NATIONAL REGISTRAR	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-12	GROUND FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-13	1	NACS DIVISION	GROUND FLOOR	4-WAY CEILING CASSETTE	7.43	317	27/19	12.8/12.3	25	-	ACCU-A-GF-13	THIRD FLOOR	1	7.43	317	230	1	60	10 11
FCU-A-GF-14	1	CONFERENCE ROOM 2	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-14	THIRD FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-15	1	CONFERENCE ROOM 3	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-15	THIRD FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-16	1	CONFERENCE ROOM 1	GROUND FLOOR	4-WAY CEILING CASSETTE	7.43	267	27/19	12.8/12.3	25	-	ACCU-A-GF-16	THIRD FLOOR	1	7.43	267	230	1	60	10 11
FCU-A-GF-17A & 17B	2	ADMIN & FACULTY LOUNGE	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	383	27/19	12.8/12.3	25	-	ACCU-A-GF-17A & 17B	THIRD FLOOR	2	10.83	267	230	1	60	10 11
FCU-A-GF-18	1	FACULTY ROOM 1	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-18	THIRD FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-19	1	FACULTY ROOM 2	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-19	THIRD FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-20	1	FACULTY ROOM 3	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-20	THIRD FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-21	1	SUBWAY/BIOSPACE AREA	GROUND FLOOR	WALL MOUNTED	6.44	267	27/19	12.8/12.3	25	-	ACCU-A-GF-21	GROUND FLOOR	1	6.44	267	230	1	60	10 11
FCU-A-GF-22	1	CLINIC	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-22	GROUND FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-23	1	GUARDANCE OFFICE	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-23	GROUND FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-24	1	LIBRARY	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-24	GROUND FLOOR	1	10.83	400	230	1	60	10 11
FCU-A-GF-25A & 25B	2	LIBRARY	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-25A & 25B	GROUND FLOOR	2	10.83	400	230	1	60	10 11
FCU-A-GF-26	1	OFFICE OF THE PRO SECTION HEAD NUTRITIONIST	GROUND FLOOR	WALL MOUNTED	7.58	307	27/19	12.8/12.3	25	-	ACCU-A-GF-26	GROUND FLOOR	1	7.58	267	230	1	60	10 11
FCU-A-GF-27	1	SPECIALIST ROOM	GROUND FLOOR	WALL MOUNTED	7.58	267	27/19	12.8/12.3	25	-	ACCU-A-GF-27	GROUND FLOOR	1	7.58	267	230	1	60	10 11
FCU-A-GF-28A & 28B	2	UPS ROOM	GROUND FLOOR	WALL MOUNTED	7.58	267	27/19	12.8/12.3	25	-	ACCU-A-GF-28A & 28B	GROUND FLOOR	2	7.58	267	230	1	60	10 11
FCU-A-GF-29A TO 29C	3	ENCLOSED DINING AREA	GROUND FLOOR	4-WAY CEILING CASSETTE	10.83	400	27/19	12.8/12.3	25	-	ACCU-A-GF-29A TO 29C	THIRD FLOOR	3	10.83	400	230	1	60	10 11
FCU-A-GF-30	1	BIOSPACE AREA	GROUND FLOOR	WALL MOUNTED	10.43	127	27/19	12.8/12.3	25	-	ACCU-A-GF-30	GROUND FLOOR	1	6.43	127	230	1	60	10 11
FCU-A-NE-30A TO 30C	3	CAFETERIA KITCHEN	GROUND FLOOR	CEILING SUSPENDED	10.86	383	27/19	12.8/12.3	25	-	ACCU-A-GF-30A TO 30C	GROUND FLOOR	3	10.86	383	230	1	60	10 11
FCU-A-GF-32	1	OFFICE OF DEPUTY EXECUTIVE DIRECTOR FOR ADMIN & CURRICULUM	GROUND FLOOR	WALL MOUNTED	6.43	127	27/19	12.8/12.3	25	-	ACCU-A-GF-32	GROUND FLOOR	1	6.43	127	230	1	60	10 11
FCU-A-2F-01A	1	ASST OFFICE	SECOND FLOOR	4-WAY CEILING CASSETTE	14.4	450	27/19	12.8/12.3	25	-	ACCU-A-2F-01A	SECOND FLOOR	1	14.4	450	230	1	60	10 11
FCU-A-2F-01B & 01C	2	FINANCE DEPARTMENT	SECOND FLOOR	4-WAY CEILING CASSETTE	14.4	450	27/19	12.8/12.3	25	-	ACCU-A-2F-01B & 01C	SECOND FLOOR	2	14.4	450	230	1	60	10 11
FCU-A-2F-02	1	CLASS	SECOND FLOOR	4-WAY CEILING CASSETTE	14.4	450	27/19	12.8/12.3	25	-	ACCU-A-2F-02	THIRD FLOOR	1	14.4	450	230	1	60	10 11
FCU-A-2F-03	1	MEETING ROOM (LARGE)	SECOND FLOOR	4-WAY CEILING CASSETTE	7.43	267	27/19	12.8/12.3	25	-	ACCU-A-2F-03	THIRD FLOOR	1	7.43	267	230	1	60	10 11
FCU-A-2F-04	1	MEETING ROOM (MEDIUM)	SECOND FLOOR	4-WAY CEILING CASSETTE	7.43	267	27/19	12.8/12.3	25	-	ACCU-A-2F-04	THIRD FLOOR	1	7.43	267	230	1	60	10 11
FCU-A-2F-05	1	MEETING ROOM (MEDIUM)	SECOND FLOOR	4-WAY CEILING CASSETTE	7.43	267	27/19	12.8/12.3	25	-	ACCU-A-2F-05	THIRD FLOOR	1	7.43	267	230	1	60	10 11
FCU-A-2F-06	1	MEETING ROOM (SMALL)	SECOND FLOOR	4-WAY CEILING CASSETTE	7.43	267	27/19	12.8/12.3	25	-	ACCU-A-2F-06	THIRD FLOOR	1	7.43	267	230	1	60	10 11
FCU-A-2F-07	1	MEETING ROOM (SMALL)	SECOND FLOOR	4-WAY CEILING CASSETTE	7.43	267	27/19	12.8/12.3	25	-	ACCU-A-2F-07	THIRD FLOOR	1	7.43	267	230	1	60	10 11
FCU-A-2F-08	1	FOOD	SECOND FLOOR	4-WAY CEILING CASSETTE	14.4	450	27/19	12.8/12.3	25	-	ACCU-A-2F-08	THIRD FLOOR	1	14.4	450	230	1	60	10 11
FCU-A-2F-09	1	LEGAL DEPARTMENT	SECOND FLOOR	4-WAY CEILING CASSETTE	7.43	267	27/19	12.8/12.3	25	-	ACCU-A-2F-09	THIRD FLOOR	1	7.43	267	230	1	60	10 11
FCU-A-2F-10	1	OFFICE OF THE EXECUTIVE DIRECTOR	SECOND FLOOR	4-WAY CEILING CASSETTE	14.4	450	27/19	12.8/12.3	25	-	ACCU-A-2F-10	THIRD FLOOR	1	14.4	450	230	1	60	10 11
FCU-A-2F-11	1	LEGAL DEPARTMENT	SECOND FLOOR	4-WAY CEILING CASSETTE	7.43	267	27/19	12.8/12.3	25	-	ACCU-A-2F-11	THIRD FLOOR	1	7.43	267	230	1	60	10 11
FCU-A-2F-12	1	NASOED DEPT. HR	SECOND FLOOR	WALL MOUNTED	5.3	127	27/19	12.8/12.3	25	-	ACCU-A-2F-12	THIRD FLOOR	1	5.3	127	230	1	60	10 11
FCU-A-2F-13A & 13B	2	EXECUTIVE BOARD ROOM	SECOND FLOOR	4-WAY CEILING CASSETTE	7.43	267	27/19	12.8/12.3	25	-	ACCU-A-2F-13A & 13B	THIRD FLOOR	2	7.43	267	230	1	60	10 11
FCU-A-3F-01 TO 05	5	PERFORMANCE HALL/AUDIO VISUAL ROOM	THIRD FLOOR	FLOOR STANDING	16.12	383	27/19	12.8/12.3	25	-	ACCU-A-3F-01 TO 05	THIRD FLOOR	5	16.12	383	230	1	60	10 11
FCU-A-3F-06 TO 08	3	PERFORMANCE HALL/AUDIO VISUAL ROOM	THIRD FLOOR	FLOOR STANDING	16.12	383	27/19	12.8/12.3	25	-	ACCU-A-3F-06 TO 08	THIRD FLOOR	3	16.12	383	230	1	60	10 11
FCU-A-3F-09	1	LABORATORY MANAGER'S OFFICE & LAB ASSISTANT WORKSTATION	THIRD FLOOR	WALL MOUNTED	7.58	292	27/19	12.8/12.3	25	-	ACCU-A-3F-09	THIRD FLOOR	1	7.58	292	230	1	60	10 11

LEGENDS:

- 1 ON/OFF THRU LIGHTING SWITCH
- 2 COMPLETE WITH LOCAL MOTOR CONTROL PANEL (LMCP)
- 3 COMPLETE WITH VIBRATION ISOLATOR
- 4 BELT DRIVEN MOTORS
- 5 ALL FANS SHALL BE IN COMPLIANCE WITH ACOUSTIC REQUIREMENTS
- 6 1 DUTY & 1 STAND-BY & C/W AUTOCHANGE-OVER DEVICE
- 7 COMPLETE WITH ROOM THERMOSTAT SET AT 33°C
- 8 INVERTER DRIVEN COMPRESSOR
- 9 COMPLETE WITH WIRELESS REMOTE CONTROLLER
- 10 COMPLETE WITH FAN SWITCH/SPEED SELECTOR

EQUIPMENT SCHEDULE

EQUIPMENT SCHEDULE													
APPROVED BY:		CHECKED BY:		PREPARED BY:		PROJECT TITLE:		SHEET CONTENTS:		SHEET NO.:			
 Bases Conversion and Development Authority RYAN S. GALURA DEC. 2016		AND  NATIONAL ACADEMY OF SPORTS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR		 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER		 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ ST., SUITE 100, QUEZON CITY TEL. NO. 854-3911 JESUS V. HERGAS PROJECT MANAGER		AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (MECHANICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TAYLAC		AS-BUILT		M0-02	

SPLIT TYPE FAN COIL UNITS: (MULTI-PURPOSE GYM)

FAN COIL UNIT PERFORMANCE DATA											AIR COOLED CONDENSING UNIT PERFORMANCE DATA							REMARKS	
UNIT DESIGNATION	QTY.	AREA SERVED	LOCATION	TYPE	SELECTED TOTAL COOLING CAPACITY (kW)	SELECTED SUPPLY AIR FLOW (l/s)	AIR COIL CONDITION		CONDENSATE DRAIN PIPE SIZE (mmø)	EXTERNAL STATIC PRESSURE (Pa)	UNIT DESIGNATION	LOCATION	QTY.	TOTAL COOLING CAPACITY (kW)	TOTAL POWER INPUT (kW)	ELECTRICAL CHARACTERISTICS			
							ENTERING AIR TEMP (°C DB/WB)	LEAVING AIR TEMP (°C DB/WB)								VOLTS	PHASE		HERTZ
FCU-M-GF-01A & 01B	2	REHABILITATION/FUNCTIONAL RECOVERY AREA	GROUND FLOOR	4-WAY CEILING CASSETTE	10.8	400	27/19	12.9/12.3	25	—	ACCU-M-2F-GF-01A & 01B	SECOND FLOOR	1	10.8	2.76	230	1	60	(8) (9)
FCU-M-GF-02	1	MANAGER'S ROOM	GROUND FLOOR	WALL MOUNTED	2.74	113	27/19	12.9/12.3	25	—	ACCU-M-GF-02	GROUND FLOOR	1	2.74	0.98	230	1	60	(10) (9)
FCU-M-GF-03	1	PTS ROOM	GROUND FLOOR	WALL MOUNTED	2.74	127	27/19	12.9/12.3	25	—	ACCU-M-GF-03	GROUND FLOOR	1	2.74	1.56	230	1	60	(8) (5)
FCU-M-GF-04	1	DOCTORS OFFICE	GROUND FLOOR	WALL MOUNTED	2.74	127	27/19	12.9/12.3	25	—	ACCU-M-GF-04	GROUND FLOOR	1	2.74	1.56	230	1	60	(11) (5)
FCU-M-2F-01A & 01B	2	MEETING ROOMS	SECOND FLOOR	WALL MOUNTED	2.74	127	27/19	12.9/12.3	25	—	ACCU-M-2F-01A & 01B	THIRD FLOOR	2	2.74	1.56	230	1	60	(8) (5)
FCU-M-2F-02	1	WORKSTATION & HALLWAY	SECOND FLOOR	4-WAY CEILING CASSETTE	14.4	450	27/19	12.9/12.3	25	—	ACCU-M-3F-2F-02	THIRD FLOOR	1	14.4	4.05	230	1	60	(8) (5)
FCU-M-2F-03	1	SECTION HEADS	SECOND FLOOR	4-WAY CEILING CASSETTE	14.4	450	27/19	12.9/12.3	25	—	ACCU-M-3F-2F-03	THIRD FLOOR	1	14.4	4.05	230	1	60	(8) (5)
FCU-M-2F-04	1	COACHES OFFICE	SECOND FLOOR	4-WAY CEILING CASSETTE	14.4	450	27/19	12.9/12.3	25	—	ACCU-M-3F-2F-04	THIRD FLOOR	1	14.4	4.05	230	1	60	(8) (9)
FCU-M-2F-05A TO 05E	5	TABLE TENNIS COURT	SECOND FLOOR	FLOOR STANDING	16.5	383	27/19	12.9/12.3	25	—	ACCU-M-2F-05A TO 05E	THIRD FLOOR	5	16.5	4.4	230	1	60	(8) (5)

PRECISION AIR-CONDITIONING UNIT DX SPLIT TYPE (AIR-COOLED): (ACADEMIC AND ADMIN BUILDING)

UNIT DESIGNATION	QTY.	AREAS/ZONES SERVED	LOCATION	TYPE/ARRANGEMENT	SELECTED SUPPLY AIR FLOW RATE (L/S)	COOLING COIL DATA				FAN BLOWER			COMPRESSION MOTOR INPUT (KW)	REHEAT ELECTRICAL DATA			HUMIDIFIER (KG/H)	ELECTRICAL CHARACTERISTICS				AIR COOLED CONDENSING UNIT					REMARKS		
						SELECTED COOLING CAPACITY (KW)	SENSELINE COOLING CAPACITY (KW)	ENTERING AIR TEMPERATURE (DB°C/WB°C)	LEAVING AIR TEMPERATURE (DB°C/WB°C)	ESP (Pa)	FAN TYPE	FAN MOTOR SIZE (KW)		CAPACITY (WATTHOURS)	STAGES	UNIT DESIGNATION		QTY.	LOCATION	TOTAL COOLING CAPACITY (KW)	TOTAL POWER INPUT (KW)	ELECTRICAL CHARACTERISTICS							
																						V	P	H					
																									V	P		H	
PACU-A-GF-01A & 01B	2	SERVER ROOM AND DATA CENTER	GROUND FLOOR	UP/DOWN FLOOR MOUNTED	21.6	32.0	26.0	24	11.0	150	EC-FAN	2.37	3.0	6	150000	5	30.4	200	3	60	ACCU-A-3F-GF-01A & 01B	2	2ND FLOOR	40.0	11.0	380	3	60	(8)

WINDOW TYPE AIR CONDITIONERS: (ACADEMIC AND ADMIN BUILDING)

UNIT DESIGNATION	QTY.	AREAS(Z) ZONE SERVED	LOCATION	COOLING CAPACITY (kW)	COOLING CAPACITY (HP)	AIR FLOW RATE (l/s)	TOTAL POWER INPUT (kW)	ELECTRICAL CHARACTERISTICS			REMARKS
								VOLTS	PHASE	HERTZ	
WAC-A-GF-01	1	OFFICE OF THE TSDM DIRECTOR	GROUND FLOOR	3.5	1.3	139	1.005	230	1	60	(8)
WAC-A-GF-02	1	OFFICE OF THE SSTRS DIVISION LEAD	GROUND FLOOR	3.5	1.3	139	1.005	230	1	60	(8)
WAC-A-GF-04	1	OFFICE OF NATIONAL BOARD SECRETARY	GROUND FLOOR	3.5	1.3	139	1.005	230	1	60	(8)
WAC-A-GF-07	1	OFFICE OF THE HR DIRECTOR	GROUND FLOOR	3.5	1.3	139	1.005	230	1	60	(8)
WAC-A-GF-10	1	OFFICE OF THE CAMPUS ASSISTANT REGISTRAR	GROUND FLOOR	3.5	1.3	139	1.005	230	1	60	(8)
WAC-A-GF-12	1	OFFICE OF THE DIVISION HEAD	GROUND FLOOR	2.5	1.0	128	0.753	230	1	60	(8)
WAC-A-GF-13	1	OFFICE OF THE CHIEF GUIDANCE COUNSELOR	GROUND FLOOR	3.5	1.3	139	1.005	230	1	60	(8)
WAC-A-2F-01	1	OFFICE OF THE FINANCE HEAD	SECOND FLOOR	3.5	1.0	128	0.753	230	1	60	(8)
WAC-A-2F-03	1	OFFICE OF THE BASS DIRECTOR	SECOND FLOOR	3.5	1.3	139	1.005	230	1	60	(8)
WAC-A-2F-04	1	OFFICE OF THE POB DIRECTOR	SECOND FLOOR	3.5	1.3	139	1.005	230	1	60	(8)
WAC-A-2F-05	1	OFFICE OF THE LEGAL DEPT. DIRECTOR	SECOND FLOOR	3.5	1.3	139	1.005	230	1	60	(8)
WAC-A-3F-04	1	PRAYER ROOM (M)	THIRD FLOOR	2.5	1.0	128	0.753	230	1	60	(8)
WAC-A-3F-05	1	PRAYER ROOM (F)	THIRD FLOOR	2.5	1.0	128	0.753	230	1	60	(8)

OSCILLATING FANS: (ACADEMIC AND ADMIN BUILDING)

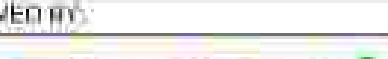
DESIGNATION	QTY.	TYPE	AREAS(Z) ZONE SERVED	LOCATION	AIR FLOW RATE (l/s)	ESP (Pa)	Motor Size (kW)	ELECTRICAL CHARACTERISTICS			REMARKS
								VOLTS	PHASE	HERTZ	
OF-A-2F-01A TO 01B	2	OSCILLATING FAN (TOP)	CLASSROOMS 1 - 29	SECOND FLOOR	1458	—	0.075	220	1	60	(8)
OF-A-3F-01A & 01B	2	OSCILLATING FAN (TOP)	GYMNASIUM	THIRD FLOOR	1458	—	0.075	220	1	60	(8)
OF-A-3F-02A & 02B	2	OSCILLATING FAN (TOP)	CLASSROOMS 20	THIRD FLOOR	1458	—	0.075	220	1	60	(8)
OF-A-3F-03A TO 03D	4	OSCILLATING FAN (TOP)	BIOLOGY/CHEMISTRY LAB	THIRD FLOOR	1458	—	0.075	220	1	60	(8)
OF-A-3F-04A TO 04D	4	OSCILLATING FAN (TOP)	PHYSICS/SPORTS LAB	THIRD FLOOR	1458	—	0.075	220	1	60	(8)
OF-A-3F-05A TO 05D	4	OSCILLATING FAN (TOP)	CLASSROOMS 20	THIRD FLOOR	1458	—	0.075	220	1	60	(8)

FUEL STORAGE TANK:

UNIT DESIGNATION	QTY.	SERVICE	LOCATION	CAPACITY (L)	DIAMETER (MM)	LENGTH (MM)	FUEL	REMARKS
FST-A-GF-01 (BY OTHERS)	1	WATER	SEWAGE ROOM					

LEGENDS:

- (1) ON/OFF THREE LIGHTING SWITCH
- (2) COMPLETE WITH LOCAL MOTOR CONTROL PANEL (LMCP)
- (3) COMPLETE WITH VIBRATION ISOLATOR
- (4) BELT-DRIVEN MOTORS
- (5) ALL FANS SHALL BE IN COMPLIANCE WITH ACOUSTIC REQUIREMENTS
- (6) 1 DUTY & 1 STAND-BY & C/W AUTOCHANGE-OVER DEVICE
- (7) COMPLETE WITH ROOM THERMOSTAT SET AT 25°C
- (8) INVERTER DRIVEN COMPRESSOR
- (9) COMPLETE WITH WIRELESS REMOTE CONTROLLER
- (10) COMPLETE WITH FAN SWITCH/SPEED SELECTOR

1		EQUIPMENT SCHEDULE				
1:200						
APPROVED BY:		CHECKED BY:	PREPARED BY:	PROJECT TITLE	SHEET CONTENTS	SHEET NO.
 Bases Conversion and Development Authority AND  NATIONAL ACADEMY OF SPORTS <u>RYAN S. GALURA</u> DEC. 2016 <u>JOSEPHINE JOY REYES</u> EXECUTIVE DIRECTOR		 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services <u>SALVADOR D. PALISOC</u> PROJECT MANAGER	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR., AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3911 <u>JESUS V. HERGAS</u> PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (MECHANICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TAYLAC	AS-BUILT	M0-03

Designation	Qty.	Type	Associated Rooms	Location	Available Batt. Vol.	Exp. (mAh)	Min. Dis. (mV)	Electrical Characteristics			Remarks
								Volts	Phase	Hz	
WPA-01-01	1	Casualty Triage	AS-0100A	Ground Floor	120	250	0.10	220	1	AC	①①③⑤
WPA-02-01	1	Casualty Triage	AS-0100B	Ground Floor	121	250	0.10	220	1	AC	①①③⑤
WPA-03-01	1	Casualty Triage	AS-0100A	Ground Floor	120	250	0.10	220	1	AC	①①③⑤
WPA-04-01	1	Casualty Triage	AS-0100A	Ground Floor	120	250	0.10	220	1	AC	①①③⑤
WPA-05-01	1	Casualty Triage	AS-0100A	Ground Floor	120	250	0.10	220	1	AC	①①③⑤
WPA-06-01	5	Storage Cassette	Security Equipment Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①③⑤
WPA-07-01	1	Storage Cassette	Security Equipment Room	Ground Floor	20	50	0.05	220	1	AC	①①
WPA-08-01	1	Security Monitoring Module	IT Room	Ground Floor	400	50	0.05	220	1	AC	①①
WPA-09-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-10-01	1	Storage Cassette	Storage Room	Ground Floor	40	50	0.05	220	1	AC	①①
WPA-11-01	1	Storage Cassette	Storage Room	Ground Floor	30	50	0.05	220	1	AC	①①
WPA-12-01	1	Storage Cassette	Storage Room	Ground Floor	20	50	0.05	220	1	AC	①①
WPA-13-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-14-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-15-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-16-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-17-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-18-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-19-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-20-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-21-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-22-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-23-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-24-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-25-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-26-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-27-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-28-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-29-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-30-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-31-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-32-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-33-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-34-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-35-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-36-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-37-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-38-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-39-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①
WPA-40-01	1	Storage Cassette	Storage Room	Ground Floor	10	50	0.05	220	1	AC	①①

Designation	Qty.	Type	Area / Zone Served	Location	Air Flow Rate (m³/s)	ESP (Pa)	Motor Size (kW)	Electrical Characteristics			Remarks
								Voltage	Phase	Heats	
01-M-01-01	1	Wall Mounted Projector Type	Multi-Purpose Storage/Water Filter Storage	Ground Floor	300	60	0.05	230	L	60	10
01-M-01-02	2	Wall Mounted Projector Type	Chem Room	Ground Floor	400	80	0.05	230	L	60	11
01-M-01-03	1	Wall Mounted Projector Type	Handwashing Sinks Around Reception	Ground Floor	300	60	0.05	230	L	60	12
01-M-01-04	1	Wall Mounted Projector Type	Simple Vending Machine and Small Equipment	Ground Floor	300	60	0.05	230	L	60	13
01-M-01-05	1	Wall Mounted Projector Type	Waiting/Litig. Storage and Waiting/Waiting Room (Area of Reception, Storage and Waiting Room)	Ground Floor	400	80	0.05	230	L	60	14
01-M-01-07	1	Wall Mounted Projector Type	Waiting/Litig. Storage and Waiting/Waiting Room (Area of Reception, Storage and Waiting Room)	Ground Floor	400	80	0.13	230	L	60	15
01-M-01-08	1	On-Line Centrifugal	Female Multi-Purpose Locker Room & Showering/Washing Area	Ground Floor	1100	250	0.25	380	E	60	16, 17, 18, 19
01-M-01-09	1	On-Line Centrifugal	Male Multi-Purpose Locker Room & Showering/Washing Area	Ground Floor	1300	250	0.25	380	E	60	17, 18, 19, 20
01-M-01-10	1	Ceiling Cassette	Doctors Office (Suite)	Ground Floor	60	30	0.09	230	L	60	21
01-M-01-11	1	Ceiling Cassette	Doctors Office (Suite)	Ground Floor	60	30	0.09	230	L	60	22
01-M-01-12	1	Ceiling Cassette	Senior Medical Comfort Room	Ground Floor	70	30	0.09	230	L	60	23
01-M-01-13A TO 13C	3	Ceiling Cassette	Exam Tones	Ground Floor	60	30	0.09	230	L	60	24
01-M-01-14	1	Ceiling Cassette	Exam Tones	Ground Floor	70	30	0.09	230	L	60	25
01-M-01-15	1	Ceiling Cassette	Senior Medical Comfort Room	Ground Floor	70	30	0.09	230	L	60	26
01-M-01-16A & 16B	2	Ceiling Cassette	Exam Tones	Ground Floor	70	30	0.09	230	L	60	27
01-M-01-17	1	Ceiling Cassette	Table Tennis Player's Equipment Room	Second Floor	70	30	0.09	230	L	60	28
01-M-01-18	1	Water Tank	Table Tennis Player's Equipment & Water Filter (Under)	Second Floor	400	100	0.10	230	L	60	29, 30, 31, 32
01-M-01-19A TO 19C	3	Wall Mounted Projector Type	Waiting/Litig. Storage and Waiting/Waiting Room	Second Floor	600	80	0.13	230	L	60	33
01-M-01-20	1	Ceiling Cassette	Senior Medical Comfort Room	Second Floor	70	30	0.09	230	L	60	34
01-M-01-21A TO 21C	3	Ceiling Cassette	Exam Tones	Second Floor	70	30	0.09	230	L	60	35
01-M-01-22	1	Ceiling Cassette	Exam Tones	Second Floor	60	30	0.09	230	L	60	36
01-M-01-23	1	On-Line Centrifugal	Female Multi-Purpose Locker Room & Showering/Washing Area	Second Floor	1100	250	0.25	380	E	60	37, 38, 39
01-M-01-24	1	On-Line Centrifugal	Male Multi-Purpose Locker Room & Showering/Washing Area	Second Floor	1300	250	0.25	380	E	60	39, 40, 41
01-M-01-25	1	On-Line Centrifugal	Table Tennis Player's Locker Room & Showering/Washing Area	Second Floor	1000	250	0.25	380	E	60	42, 43, 44
01-M-01-26	1	On-Line Centrifugal	Table Tennis Player's Locker Room & Showering/Washing Area	Second Floor	1000	250	0.25	380	E	60	45, 46, 47
01-M-01-27	1	Wall Mounted Projector Type	Male Multi-Purpose Locker Room	Third Floor	400	80	0.05	230	L	60	48
01-M-01-28	1	Wall Mounted Projector Type	Simple Vending Machine	Third Floor	400	80	0.05	230	L	60	49
01-M-01-29A TO 29C	3	Wall Mounted Projector Type	Handwashing Sinks Around Reception	Third Floor	400	80	0.13	230	L	60	50
01-M-01-30A TO 30C	3	Wall Mounted Projector Type	Handwashing Sinks Around Reception	Third Floor	400	80	0.13	230	L	60	51
01-M-01-31A TO 31C	3	Wall Mounted Projector Type	Handwashing Sinks Around Reception	Third Floor	400	80	0.13	230	L	60	52
01-M-01-32A & 32B	2	Ceiling Cassette	Exam Tones	Third Floor	70	30	0.09	230	L	60	53
01-M-01-33A & 33B	2	Ceiling Cassette	Exam Tones	Third Floor	70	30	0.09	230	L	60	54
01-M-01-34	1	Ceiling Cassette	Exam Tones	Third Floor	60	30	0.09	230	L	60	55

DESIGNATION	QTY.	TYPE	AREA(S) / ZONE SERVED	LOCATION	AIR FLOW RATE (CFM)	FSP (Pa)	Motor Size (kW)	ELECTRICAL CHARACTERISTICS			REMARKS
								VOLTS	PHASE	HERTZ	
ST-01-01	1	WALL MOUNTED FAN/CEILING	METER ROOM	GROUND FLOOR	320	-	0.05	230	1	60	(1)
ST-01-02A & B	2	WALL MOUNTED FAN/CEILING	TELEPHONE ROOM	GROUND FLOOR	300	-	0.03	230	1	60	(1) (2) (3)
ST-01-03	1	WALL MOUNTED FAN/CEILING	SERVER ROOM	GROUND FLOOR	550	19	0.13	230	1	60	(1) (2)
ST-01-04	1	WALL MOUNTED FAN	PUMP ROOM	GROUND FLOOR	240	220	0.05	230	1	60	(2) (3) (4) (5)
ST-01-05	1	WALL MOUNTED FAN/CEILING	ENGINEERING SUPPORT EQUIPMENT ROOM	GROUND FLOOR	300	-	0.05	230	1	60	(1)
ST-01-06	1	WALL MOUNTED FAN/CEILING	MTR ROOM	GROUND FLOOR	320	-	0.05	230	1	60	(1)
ST-01-07	1	WALL MOUNTED FAN/CEILING	MTR ROOM	GROUND FLOOR	320	-	0.05	230	1	60	(1)
ST-01-08	1	WALL MOUNTED FAN/CEILING	MTR ROOM	GROUND FLOOR	320	-	0.05	230	1	60	(1)

1	ON/OFF TIME LIGHTING SWITCH	6	1 DUTY & 1 STAND-BY & C/W AUTOCHANGE-OVER DEVICE
2	COMPLETE WITH LOCAL MOTOR CONTROL PANEL (300P)	7	COMPLETE WITH ROOM THERMOSTAT SET AT 24°C
3	COMPLETE WITH VIBRATION ISOLATOR	8	INVERTER DRIVEN COMPRESSOR
4	BELT DRIVEN MOTORS	9	COMPLETE WITH WIRELESS REMOTE CONTROLLER
5	ALL FANS SHALL BE IN COMPLIANCE WITH ACOUSTIC REQUIREMENTS	10	COMPLETE WITH FAN SWITCH/SPEED SELECTOR

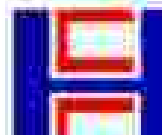
EQUIPMENT SCHEDULE

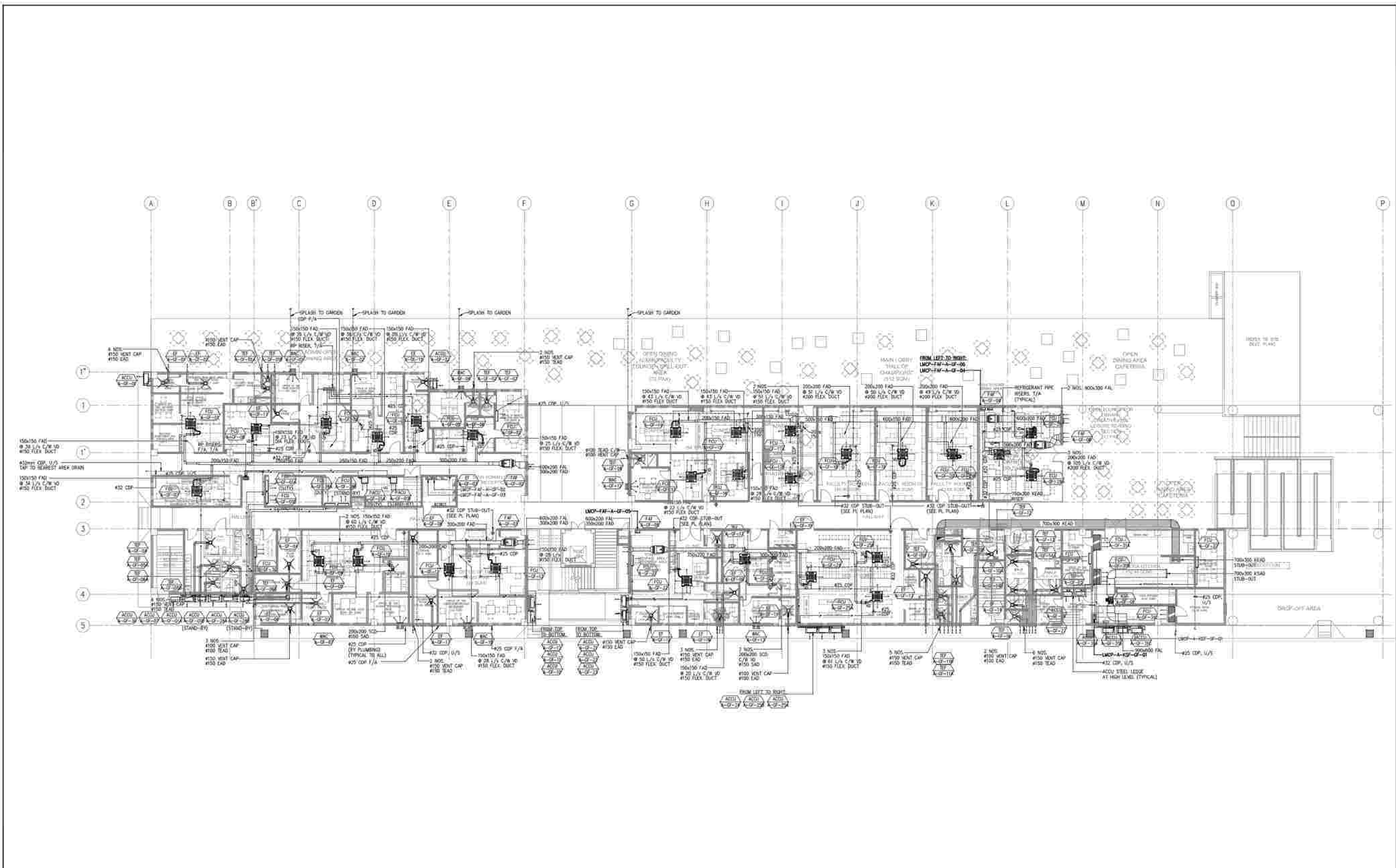
FAN COIL UNIT PERFORMANCE DATA											AIR COOLED CONDENSING UNIT PERFORMANCE DATA							REMARKS	
UNIT DESIGNATION	QTY.	AREA SERVED	LOCATION	TYPE	SELECTED TOTAL COOLING CAPACITY (kW)	SELECTED SUPPLY AIR FLOW (l/s)	AIR COIL CONDITION		CONDENSATE DRAIN PIPE SIZE (mm)	EXTERNAL STATIC PRESSURE (Pa)	UNIT DESIGNATION	LOCATION	QTY.	TOTAL COOLING CAPACITY (kW)	TOTAL POWER INPUT (kW)	ELECTRICAL CHARACTERISTICS			
							ENTERING AIR TEMP (°C DB/WB)	LEAVING AIR TEMP (°C DB/WB)								VOLTS	PHASE		HERTZ
FCU-A-2F-04	1	CLASSROOM 9	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-14	SECOND FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-15	1	CLASSROOM 8	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-15	SECOND FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-16	1	CLASSROOM 7	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-16	SECOND FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-17	1	CLASSROOM 6	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-17	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-18	1	CLASSROOM 4	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-18	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-19	1	CLASSROOM 3	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-19	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-20	1	CLASSROOM 2	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-20	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-21	1	CLASSROOM 1	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-21	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-22	1	CLASSROOM 10	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-22	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-23	1	CLASSROOM 11	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-23	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-24	1	CLASSROOM 12	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-24	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-25	1	CLASSROOM 13	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-25	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-26	1	CLASSROOM 14	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-26	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-27	1	CLASSROOM 15	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-27	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-28	1	CLASSROOM 16	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-28	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-29	1	CLASSROOM 17	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-29	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-30	1	CLASSROOM 18	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-30	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-2F-31	1	CLASSROOM 19	SECOND FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	ACCU-A-2F-31	THIRD FLOOR	1	14.0	4.96	230	1	60	(1) (1)
FCU-A-3F-10A & 10B	2	AV ROOM	THIRD FLOOR	4-WAY CEILING CASSETTE	7.1	312	27/19	12.9/12.3	25	—	ACCU-A-3F-10A & 10B	THIRD FLOOR	2	7.1	2.04	230	1	60	(1) (1)
FCU-A-3F-11A & 11B	2	IT ROOM	THIRD FLOOR	4-WAY CEILING CASSETTE	7.1	312	27/19	12.9/12.3	25	—	ACCU-A-3F-11A & 11B	THIRD FLOOR	2	7.1	2.04	230	1	60	(1) (1)
FCU-A-3F-12A & 12B	2	PHYSICS/SPORTS LAB	THIRD FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	FCU-A-3F-12A & 12B	ROOF	2	14.0	4.96	230	1	60	(1) (1)
FCU-A-3F-13A & 13B	2	BIOLOGY/COMPUTER LAB	THIRD FLOOR	4-WAY CEILING CASSETTE	14.0	458	27/19	12.9/12.3	25	—	FCU-A-3F-13A & 13B	ROOF	2	14.0	4.96	230	1	60	(1) (1)

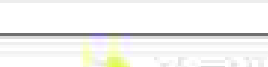
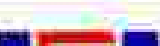
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- DR/DTF THRU LIGHTING SWITCH
- COMPLETE WITH LOCAL MOTOR CONTROL PANEL (LMOP)
- COMPLETE WITH VIBRATION ISOLATOR
- BELT DRIVEN MOTORS
- ALL FANS SHALL BE IN COMPLIANCE WITH ACOUSTIC REQUIREMENTS
- 1 DUTY & 1 STAND-BY & S/W AUTOCHANGE-OVER DEVICE
- COMPLETE WITH ROOM THERMOSTAT SET AT 25°C
- INVERTER DRIVEN COMPRESSOR
- COMPLETE WITH WIRELESS REMOTE CONTROLLER
- COMPLETE WITH FAN SWITCH/SPEED SELECTION

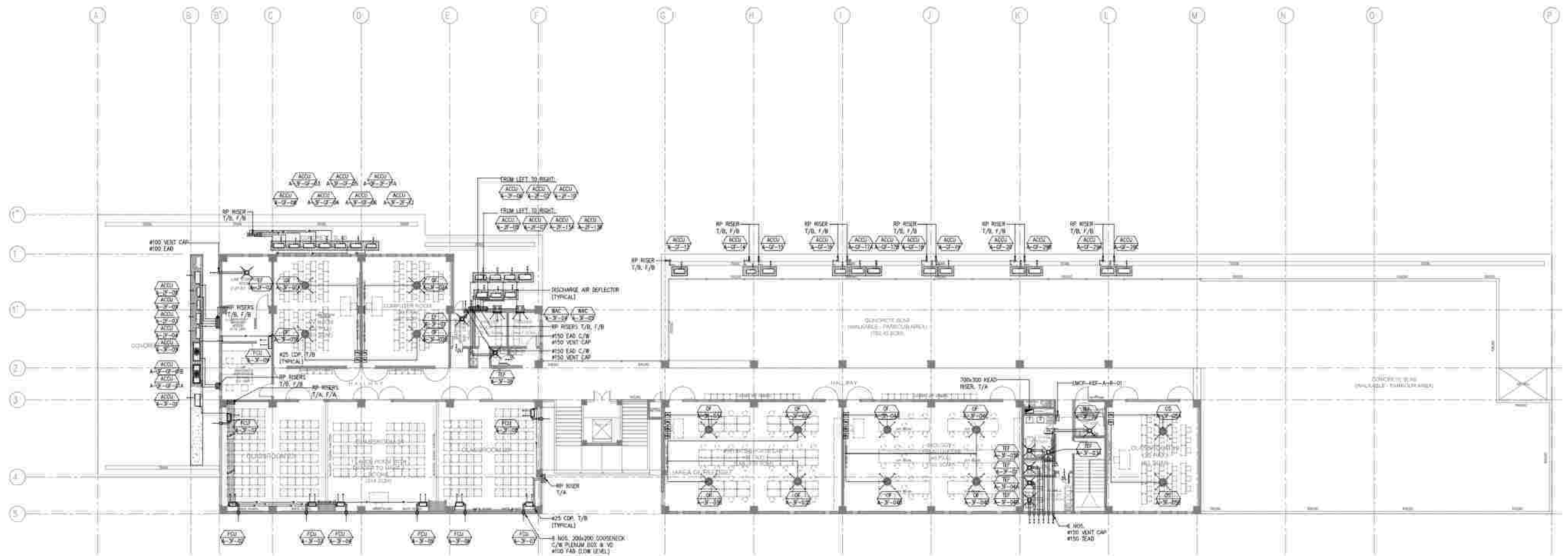
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EQUIPMENT SCHEDULE

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 Bases Conversion and Development Authority RYAN S. GALURA INC. SPM	 AND  FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services JOSEPHINE JOY REYES DESIGNER	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SA, AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3911 JESUS V. HERGAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (MECHANICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TAYLAC	FOR FUTURE REFERENCE	M0-05

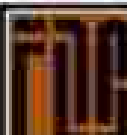
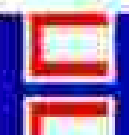


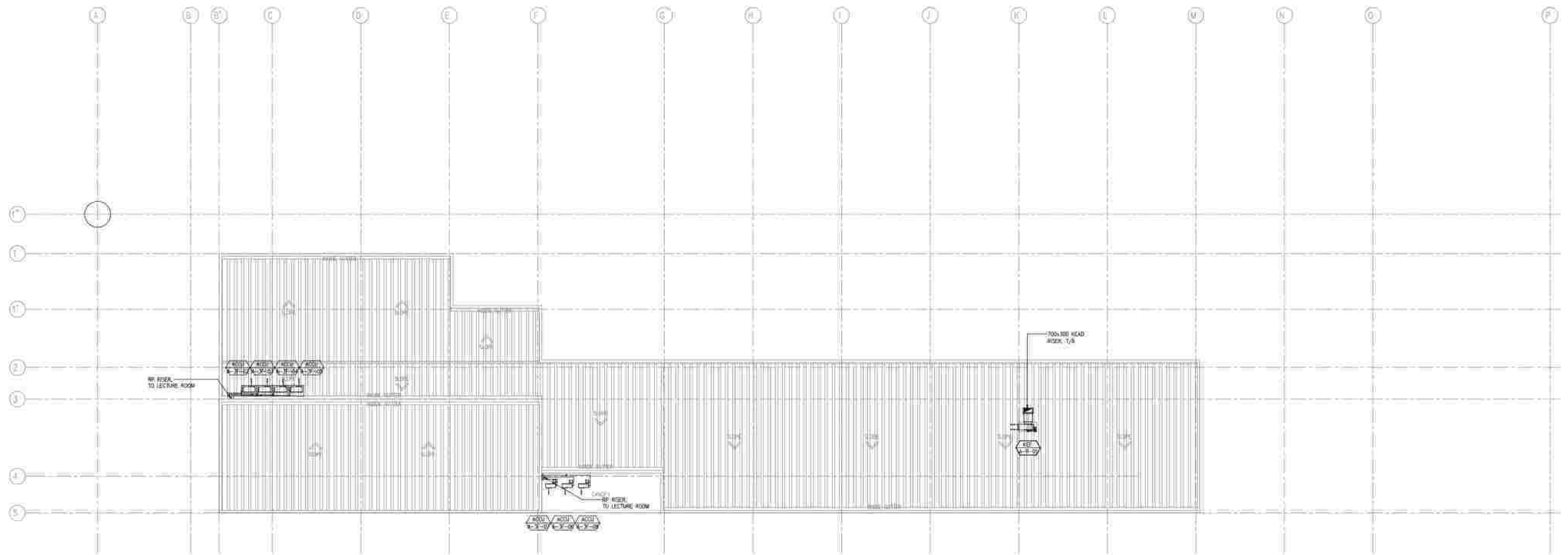
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APPROVED BY:		CHECKED BY:	PREPARED BY:	PROJECT TITLE	SHEET CONTENTS	SHEET NO.
 BCDA Bases Conversion and Development Authority AND  NATIONAL ACADEMY OF SPORTS RYAN S. GALURA MC, SPMS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR		 FILIPINAS DRAGO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERGAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (MECHANICAL) LOCATION: NSC MUNICIPALITY OF DAPAS, TAYLAC	AS-BUILT	M1-01



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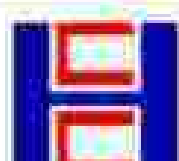
AS-BUILT ACADEMIC AND ADMIN BUILDING 3F AIR-CONDITIONING & VENTILATION LAYOUT

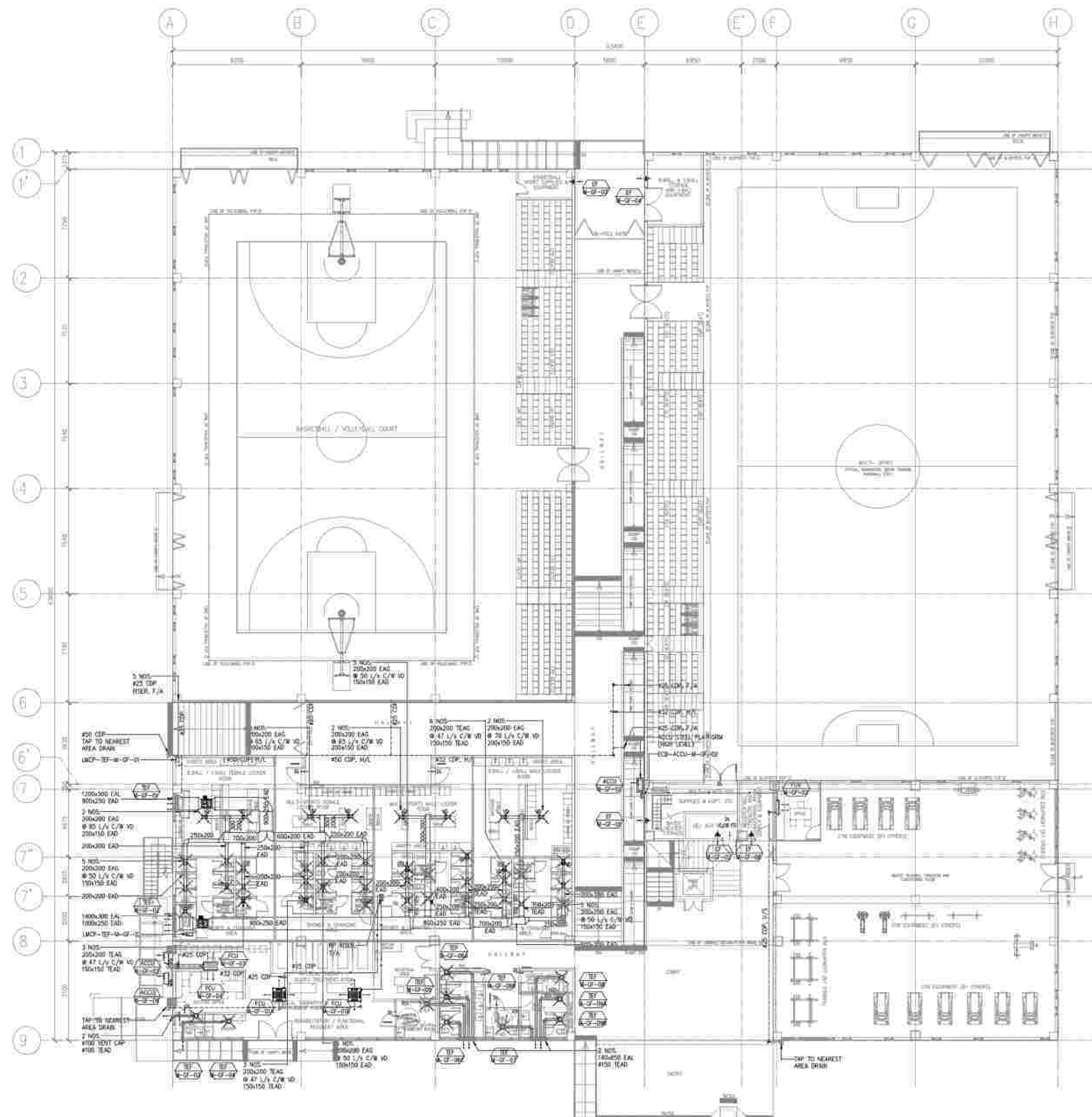
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 Bases Conversion and Development Authority RYAN S. GALURA MC. SP4	 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOC PROJECT MANAGER	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SA, AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERGAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 LOCATION: NCC MUNICIPALITY OF DAPAS, TAYLAC	AS-BUILT	M1-03



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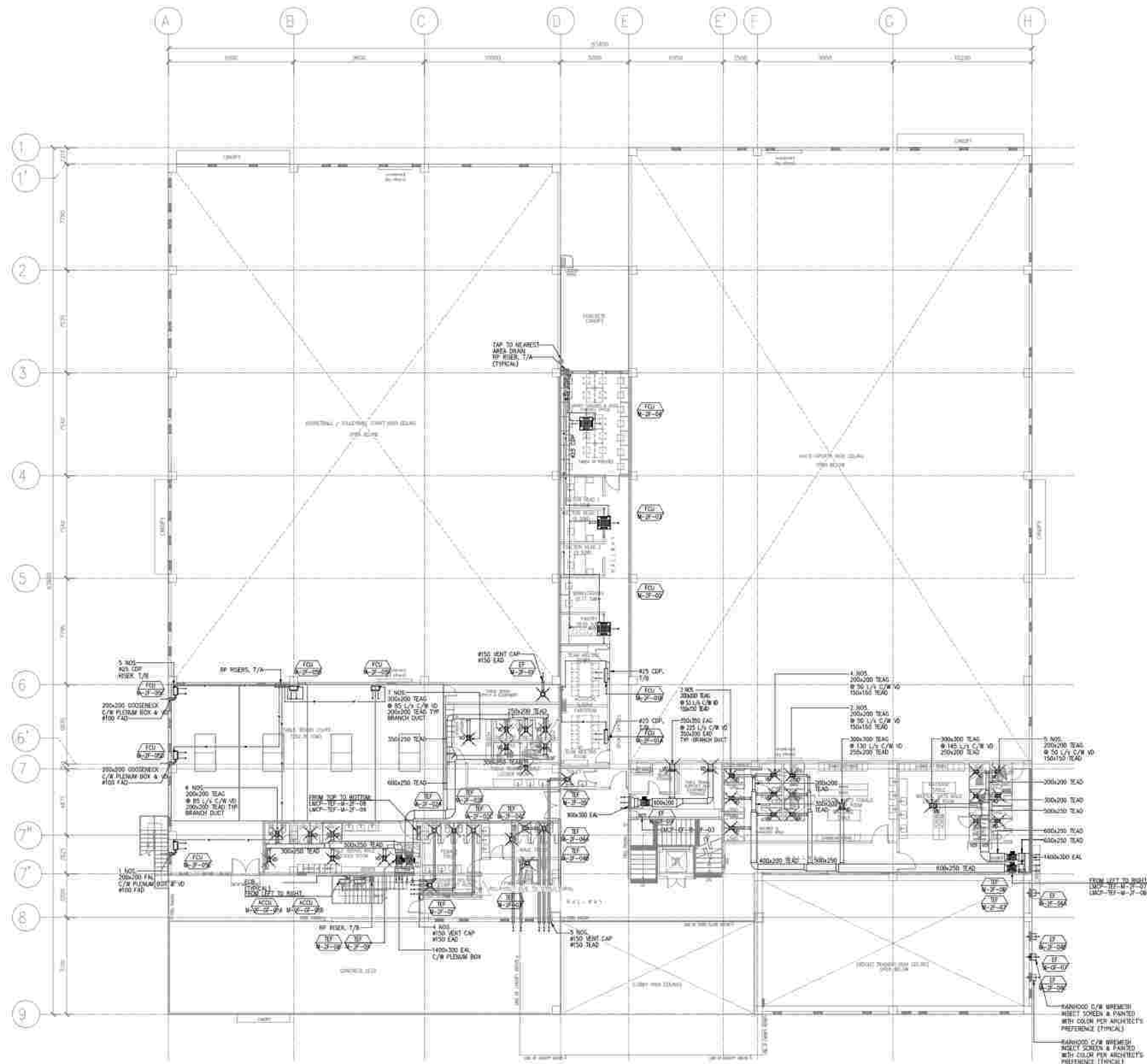
AS-BUILT ACADEMIC AND ADMIN BUILDING ROOF VENTILATION LAYOUT

APPROVED BY:	CHECKED BY:	PREPARED BY:	PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:
 Bases Conversion and Development Authority RYAN S. GALURA MC. SP4	 NATIONAL ACADEMY OF SPORTS JOSEPHINE JOY REYES EXECUTIVE SECRETAR	 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOC PROJECT MANAGER	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3011 JESUS V. HERGAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 LOCATION: NCC MUNICIPALITY OF DAPAS, TARLAC	AS-BUILT M1-04



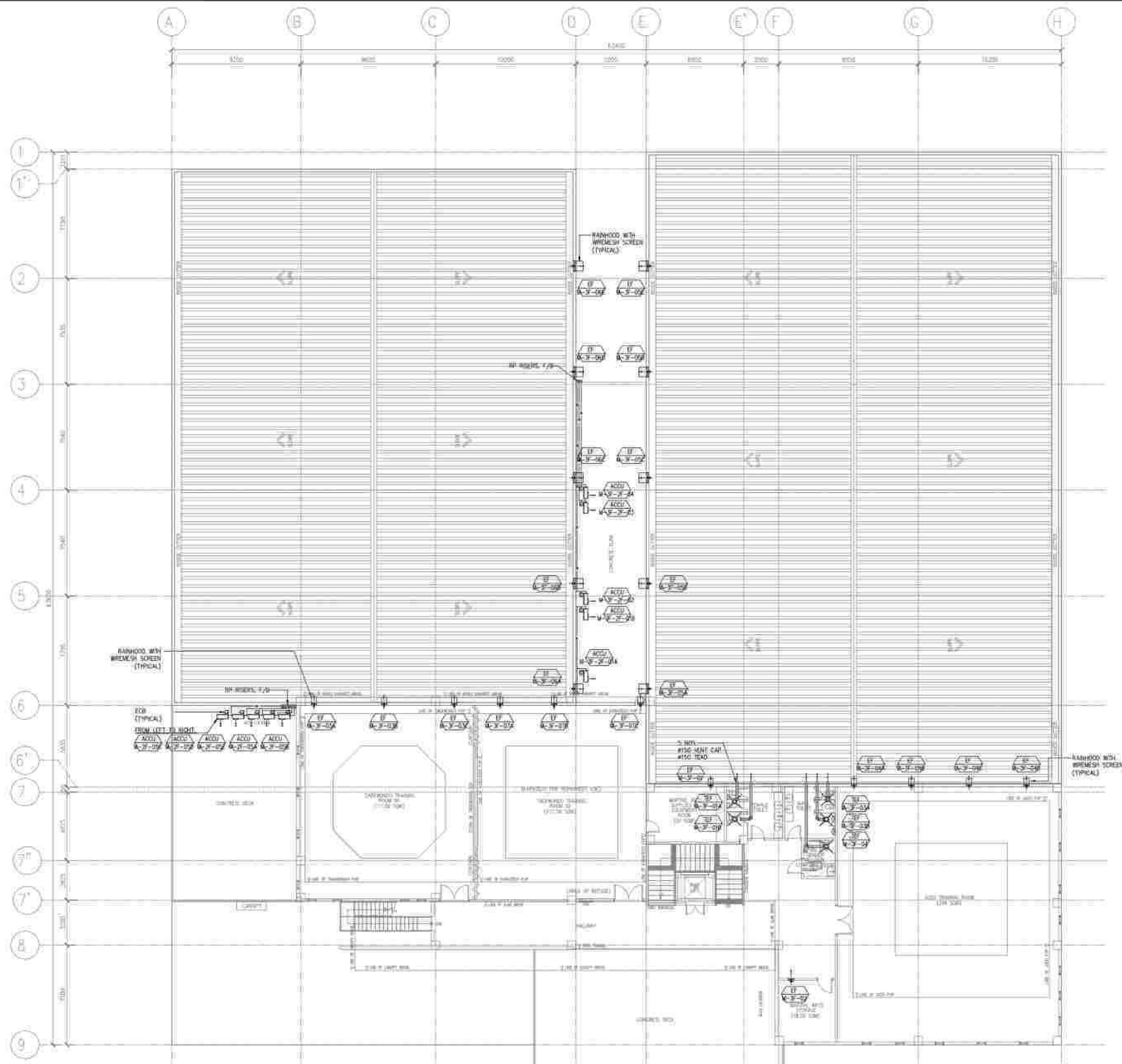
AS-BUILT MULTI-PURPOSE GYM GF AIR-CONDITIONING & VENTILATION LAYOUT

1 1:200 APPROVED BY: BCDA Bases Conversion and Development Authority RYAN S. GALURA MC, SPMS AND: NATIONAL ACADEMY OF SPORTS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY: FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOG PROJECT MANAGER	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY TEL. NO. 854-3911 JESUS V. HERGAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 LOCATION: NCC MUNICIPALITY OF DAPAS, TAYLAC	SHEET CONTENTS: AS-BUILT SHEET NO.: M1-05
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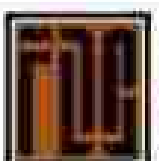
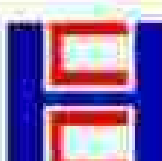


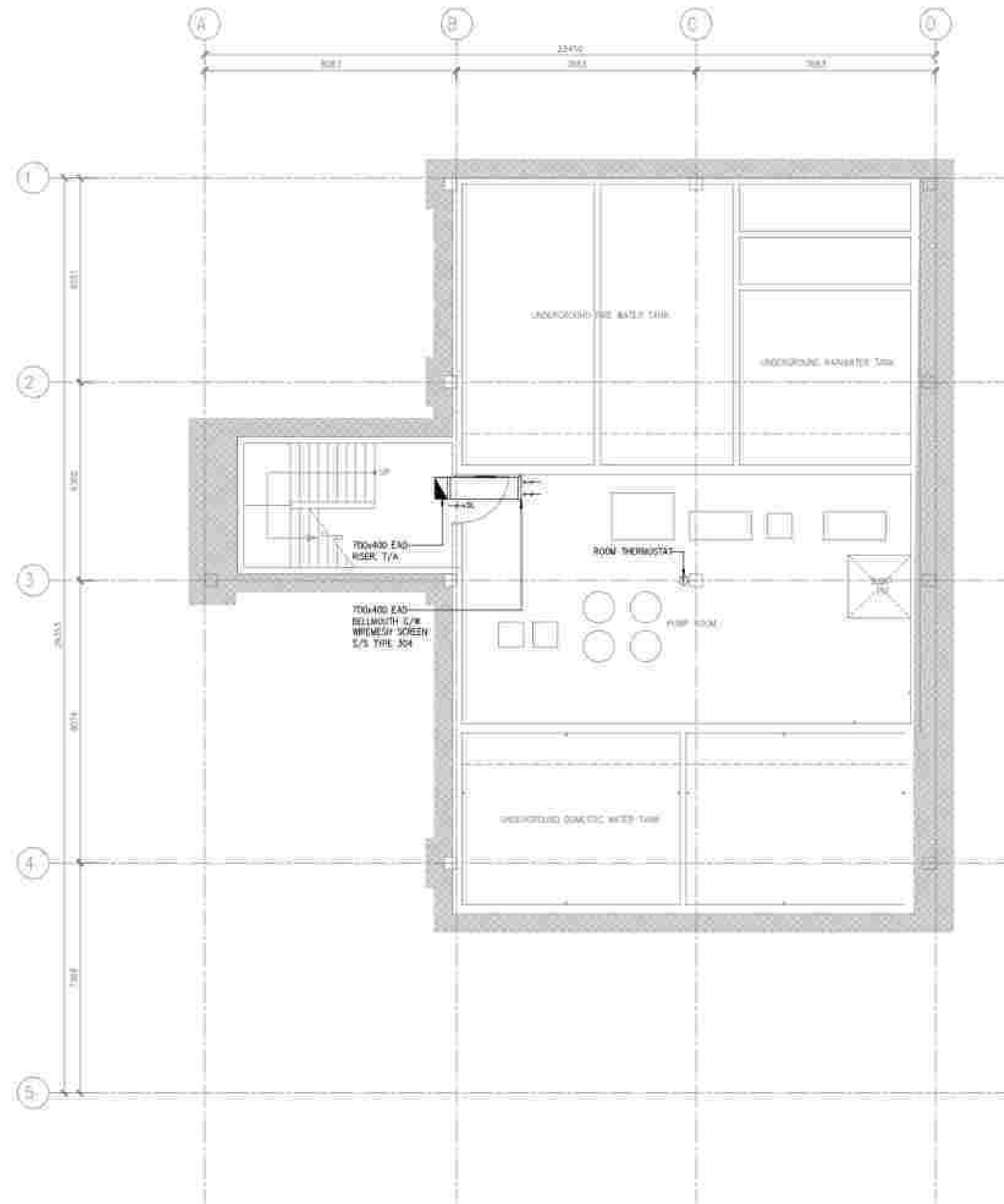
AS-BUILT MULTI-PURPOSE GYM 2F AIR-CONDITIONING & VENTILATION LAYOUT

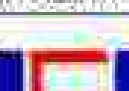
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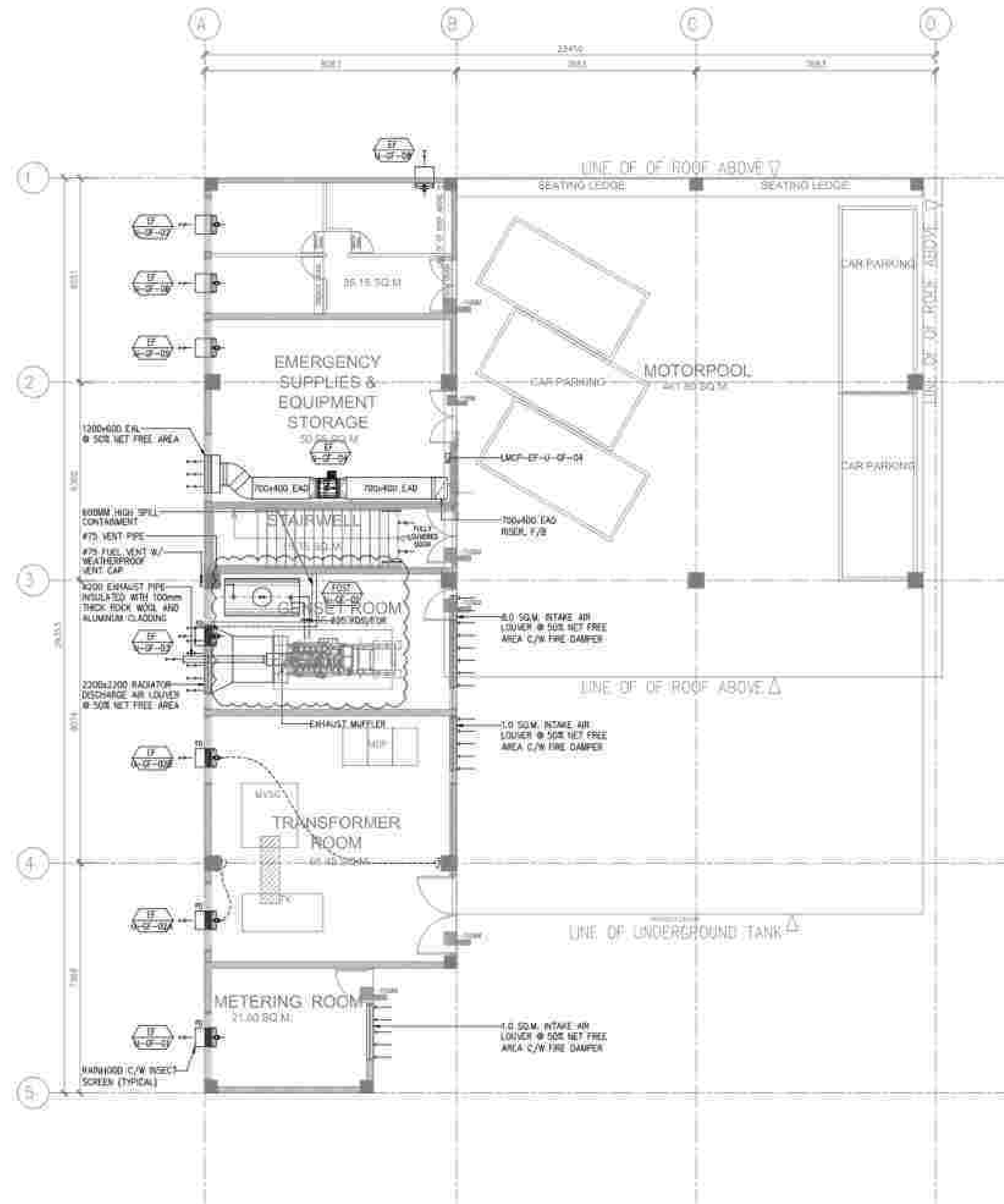


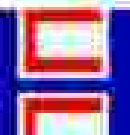
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MULTI-PURPOSE GYM 3F AIR-CONDITIONING & VENTILATION LAYOUT

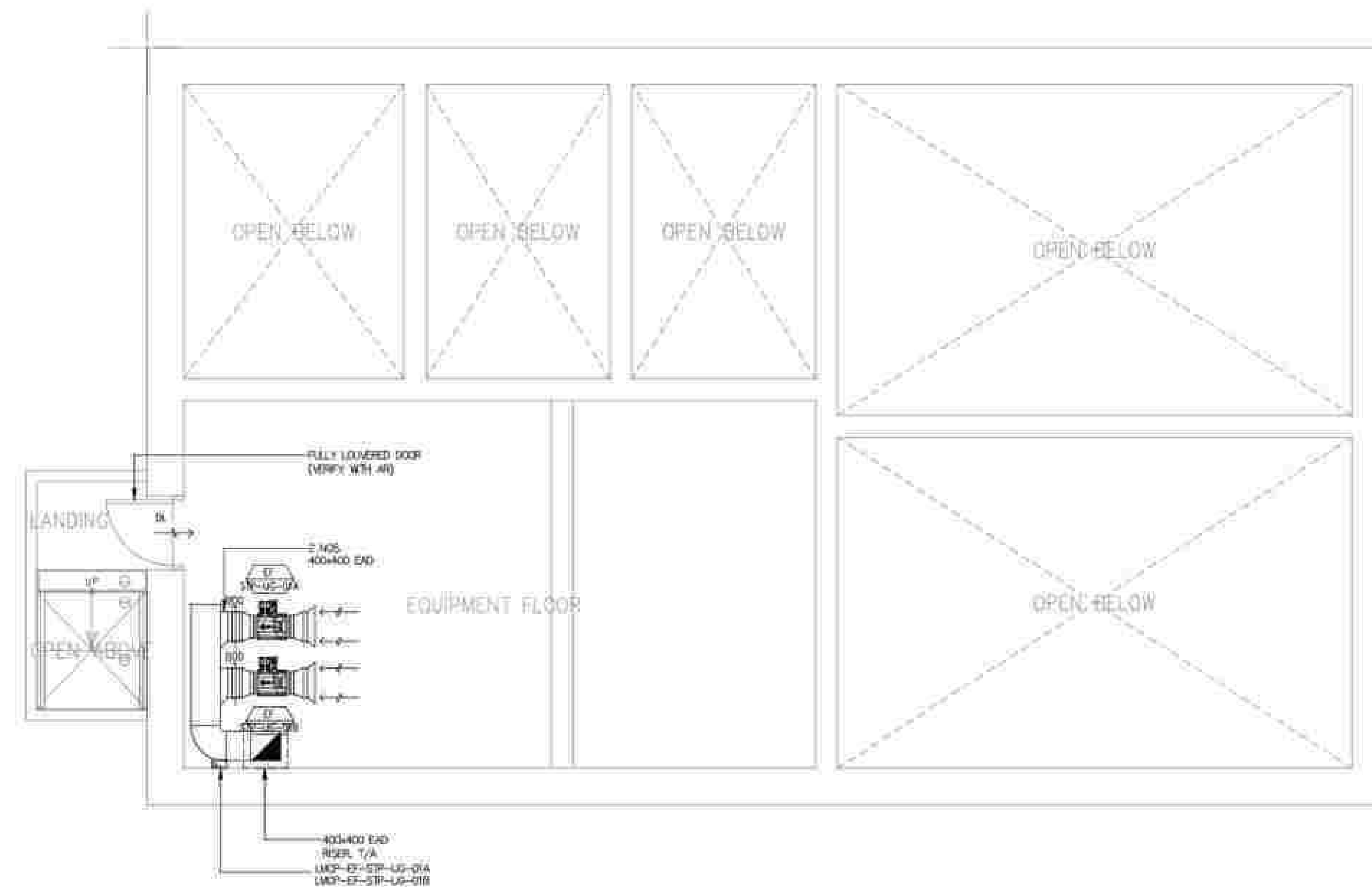
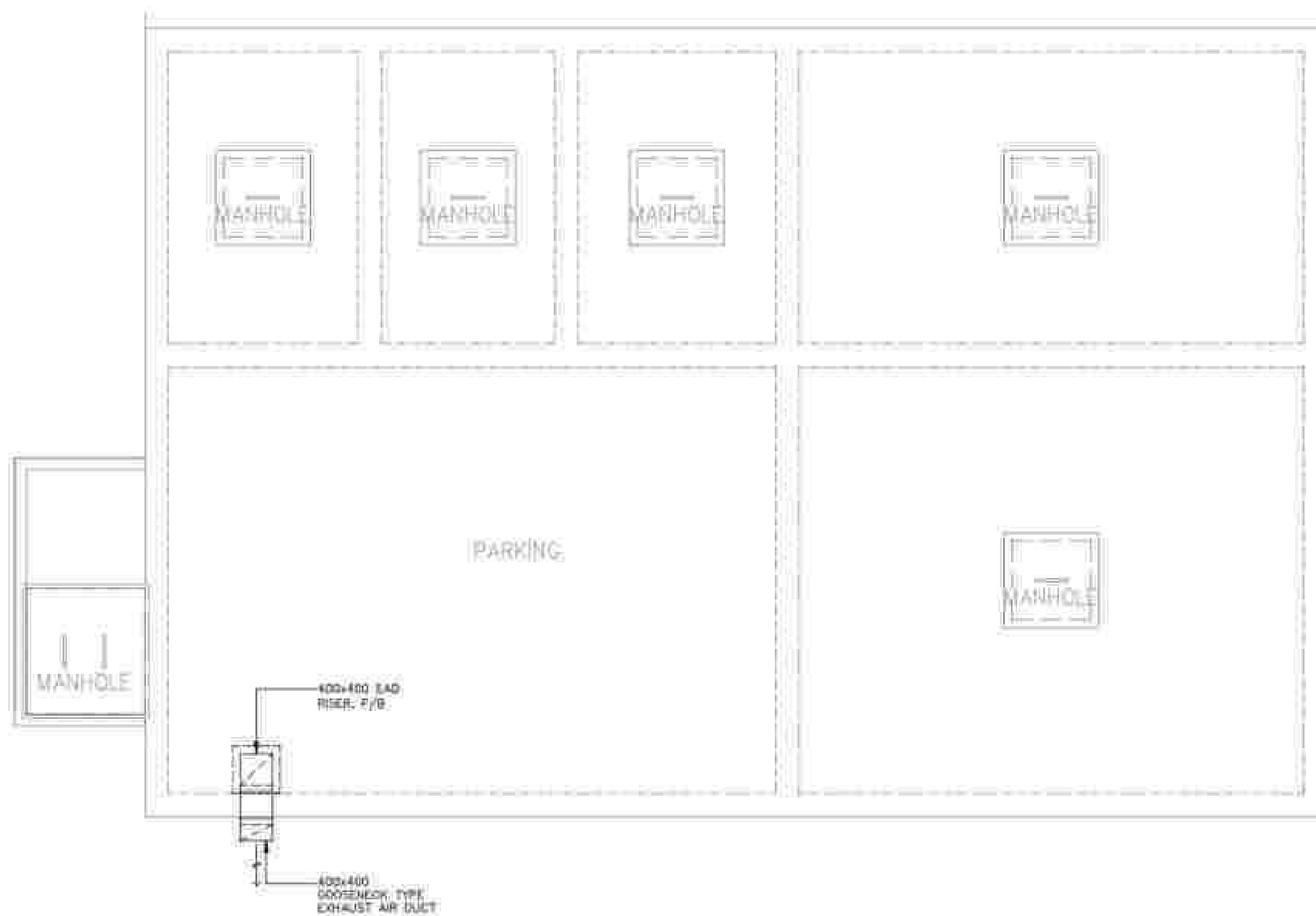
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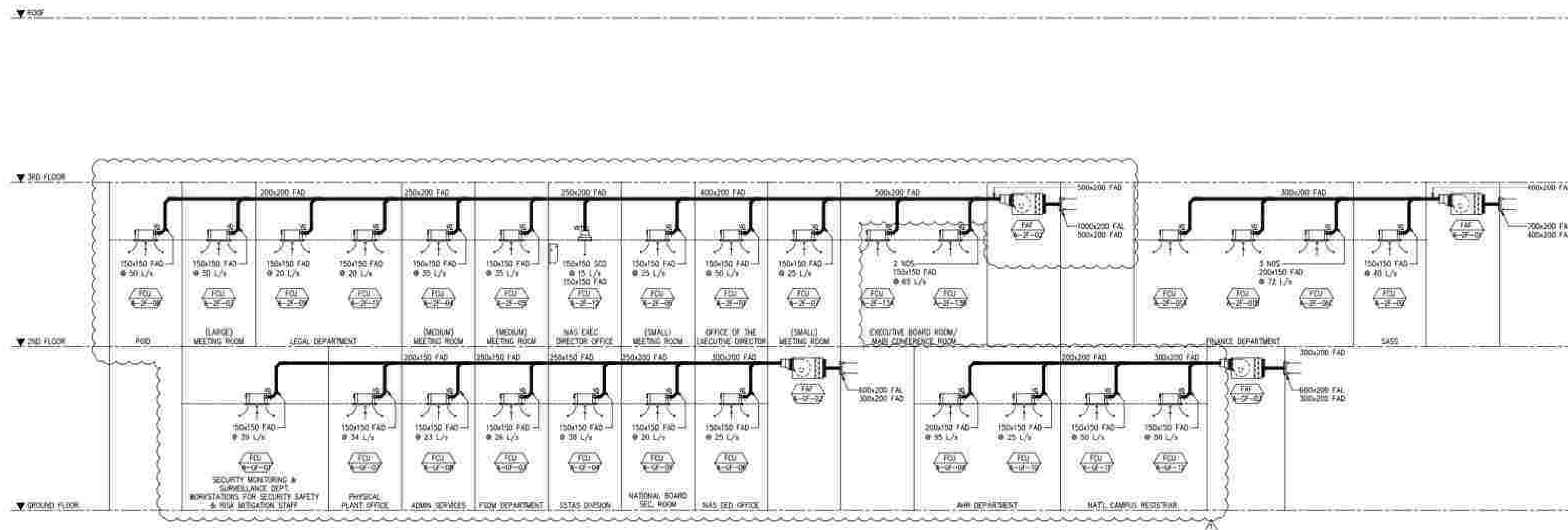
1	AS-BUILT UNDERGROUND TANKS & PUMP ROOM VENTILATION LAYOUT						
1:150							
APPROVED BY:		CHECKED BY:		PREPARED BY:	PROJECT TITLE	SHEET CONTENTS	SHEET NO.
 BCDA Bases Conversion and Development Authority AND  NATIONAL ACADEMY OF SPORTS Philippines RYAN S. GALURA MC, SPMS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR		 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOC PROJECT MANAGER		 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3011 JESUS V. HERGAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (MECHANICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TARLAC	AS-BUILT	M1-08



1 1:150	AS-BUILT UTILITY ROOM & MOTORPOOL BUILDING VENTILATION LAYOUT				
APPROVED BY:  Bases Conversion and Development Authority RYAN S. GALURA IAC, SPMS	AND:  NATIONAL ACADEMY OF SPORTS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	CHECKED BY:  FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	PREPARED BY:  HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SA, AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERDAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (MECHANICAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TARLAC	SHEET CONTENTS: AS-BUILT SHEET NO.: M1-09

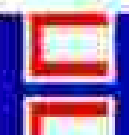


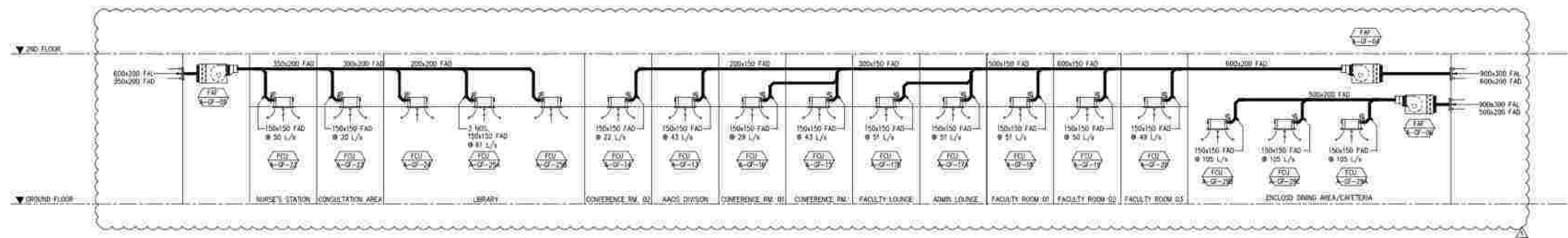
1 1:50		GROUND LEVEL SEWAGE TREATMENT PLANT VENTILATION LAYOUT		2 1:50		SEWAGE TREATMENT PLANT VENTILATION LAYOUT					
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 Bases Conversion and Development Authority RYAN S. GALURA MC, SPMS		AND:  NATIONAL ACADEMY OF SPORTS JOSEPHINE JOY REYES EXECUTIVE SECRETAR  FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER		 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERGAS PROJECT MANAGER		AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (MECHANICAL) LOCATION: NGC MUNICIPALITY OF DAPAS, TARLAC		AS-BUILT		M1-10	

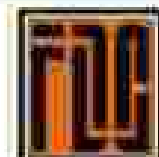
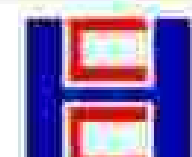


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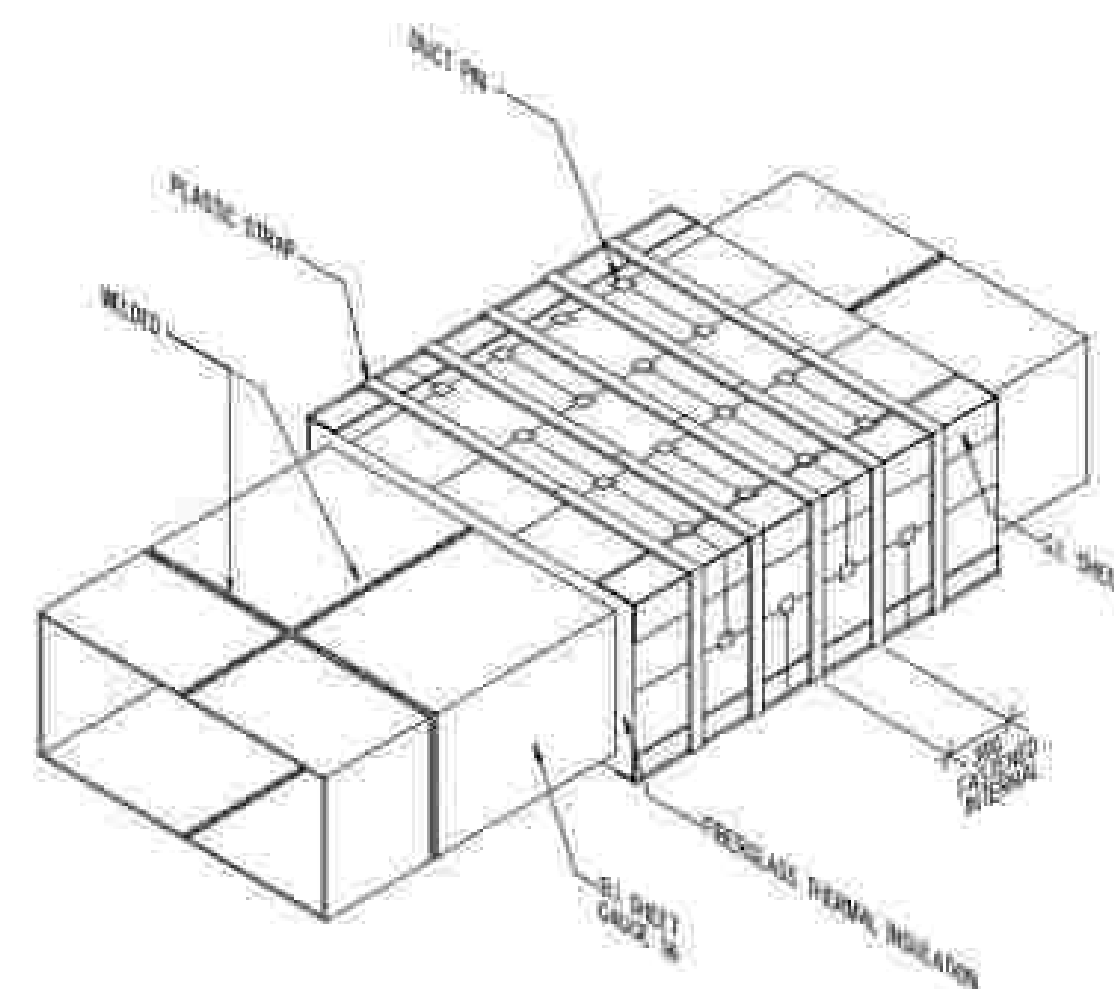
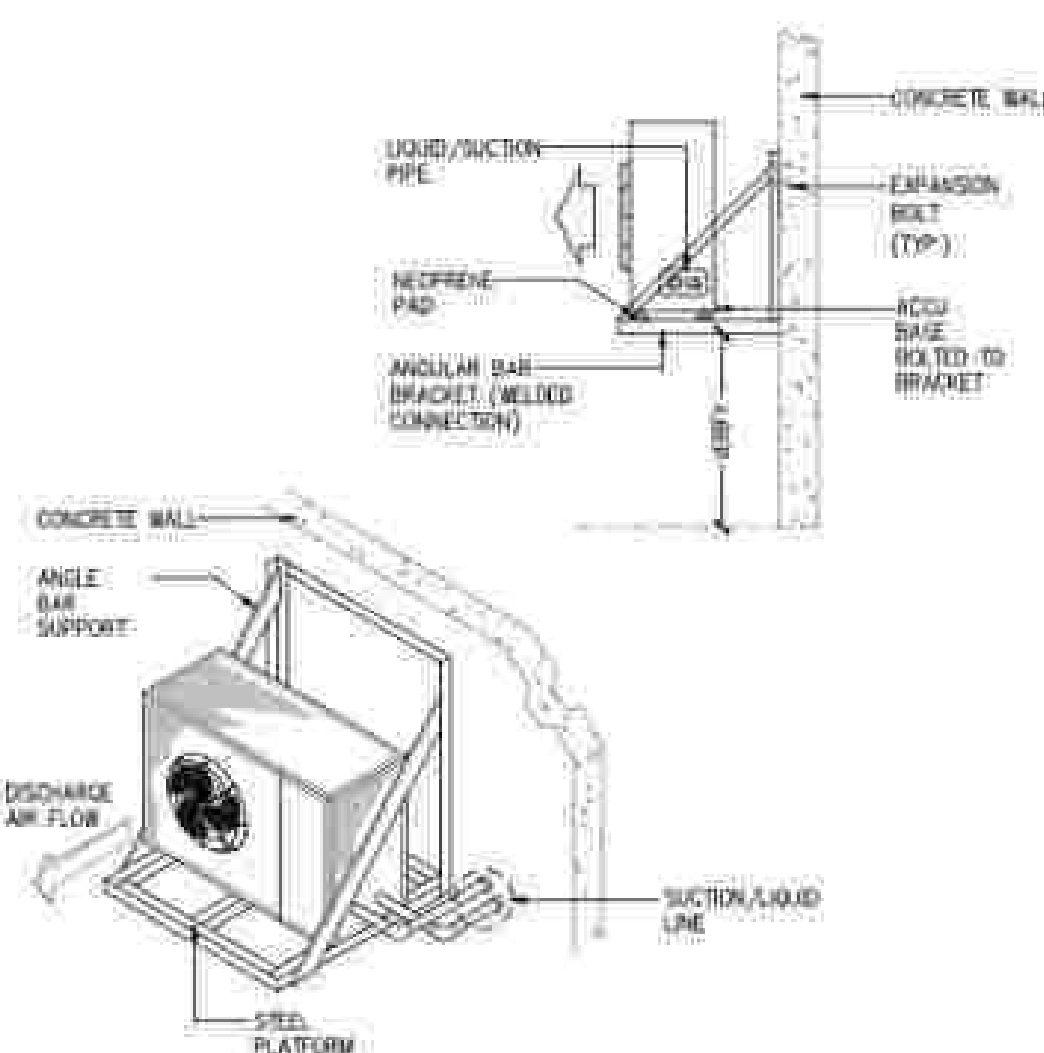
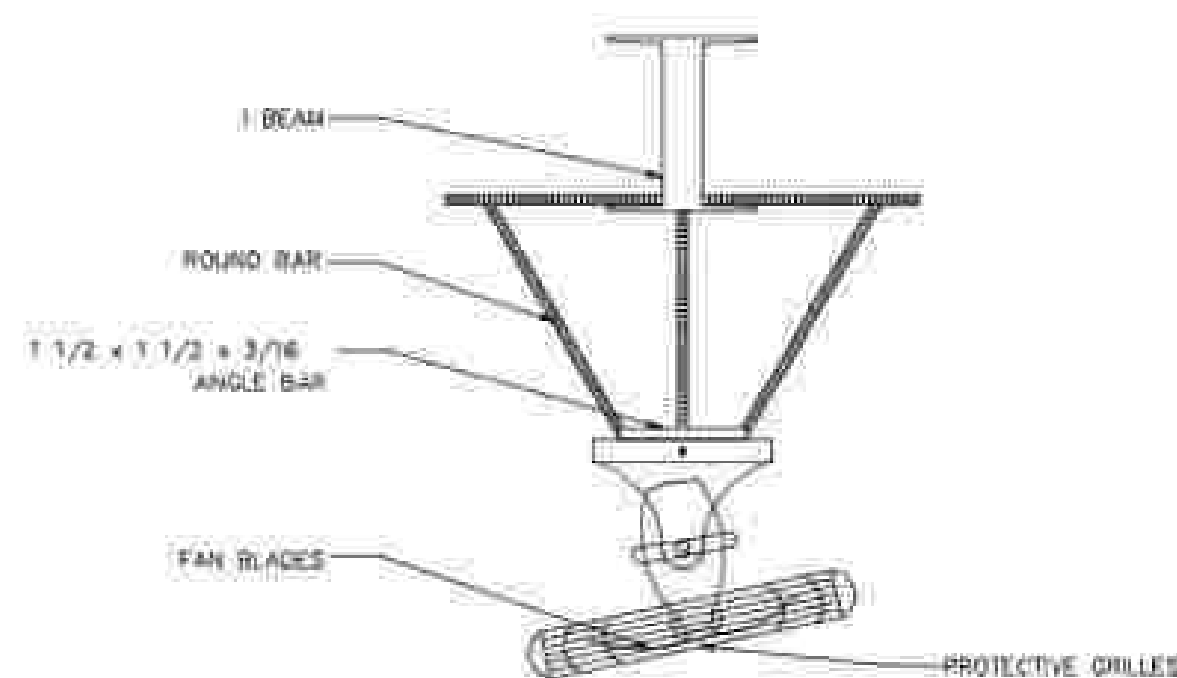
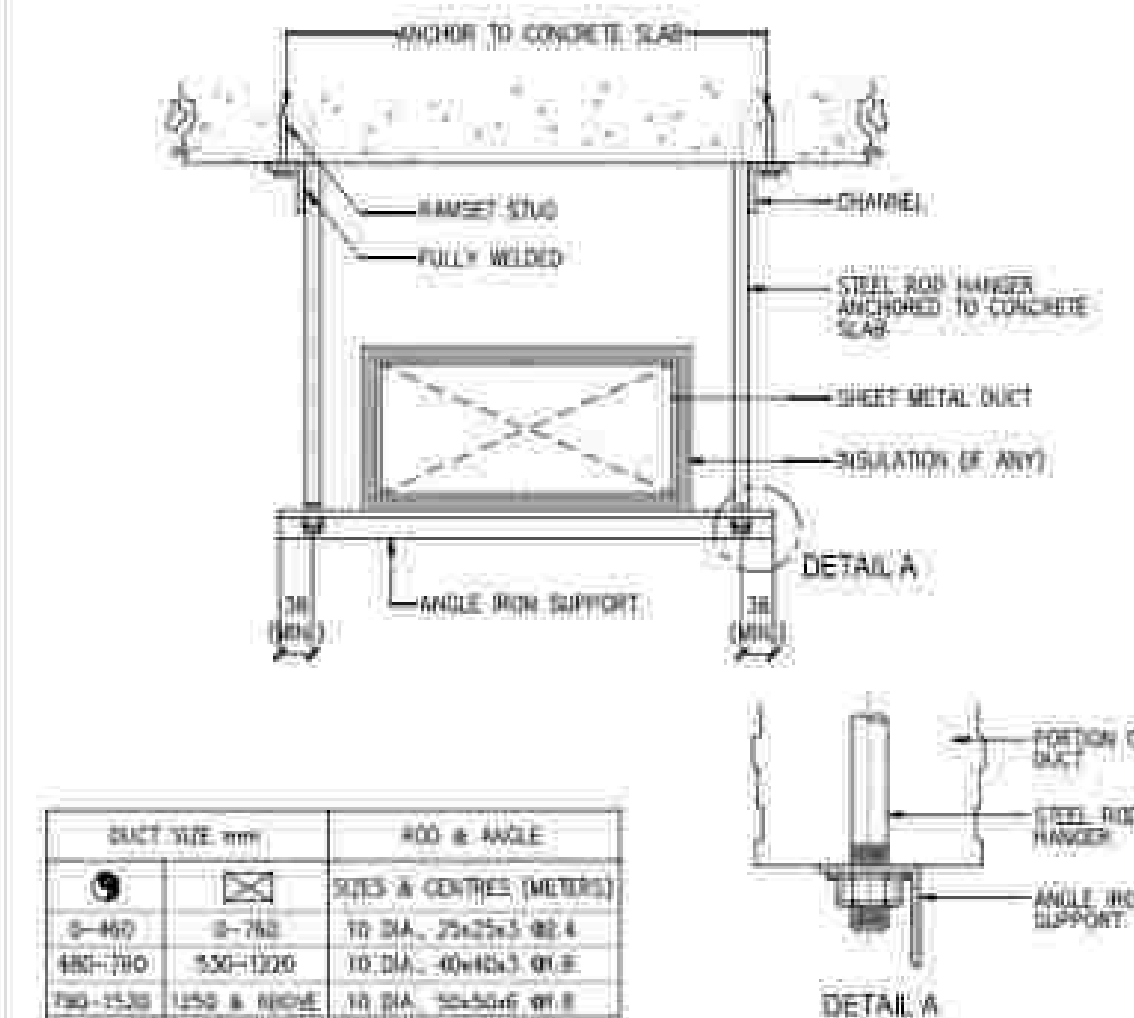
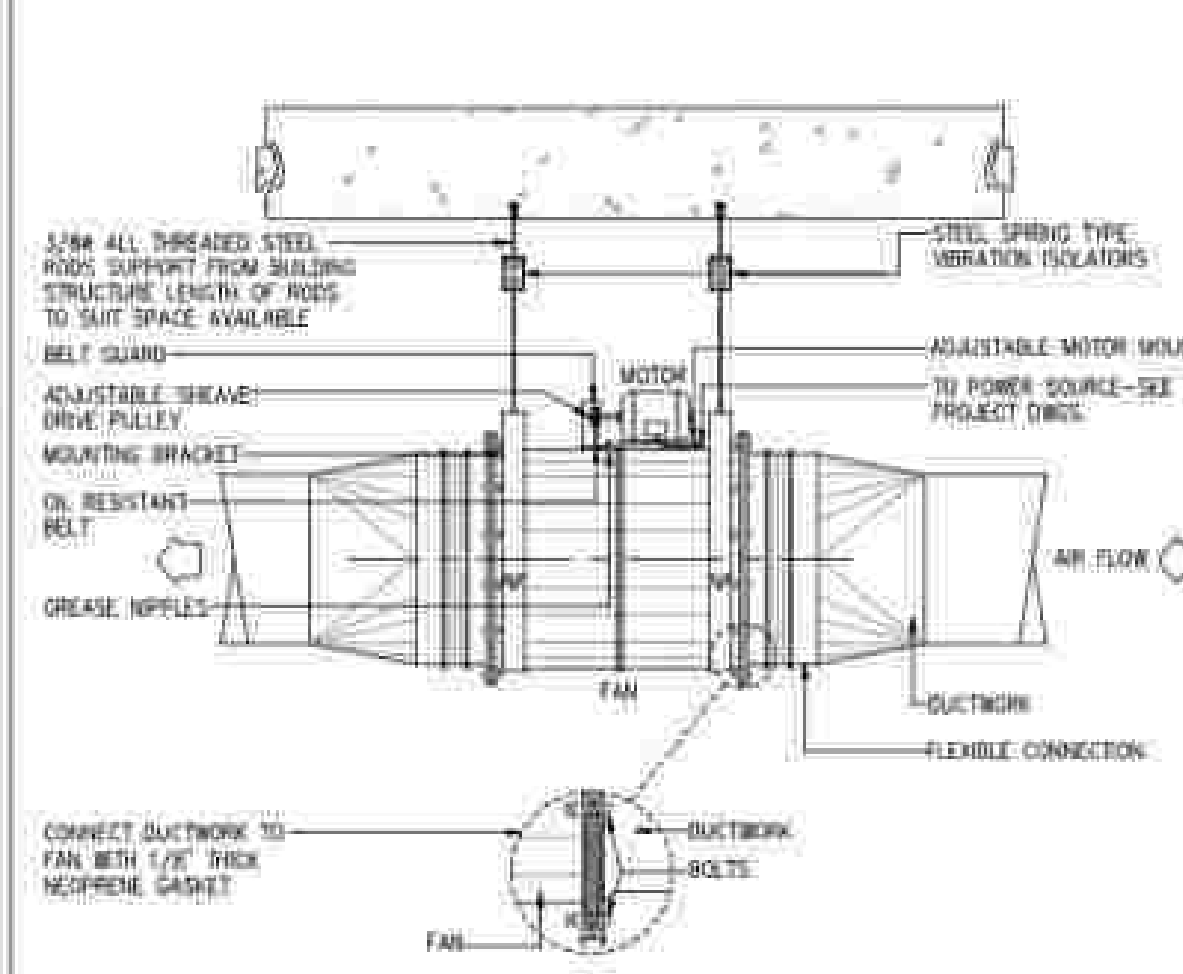
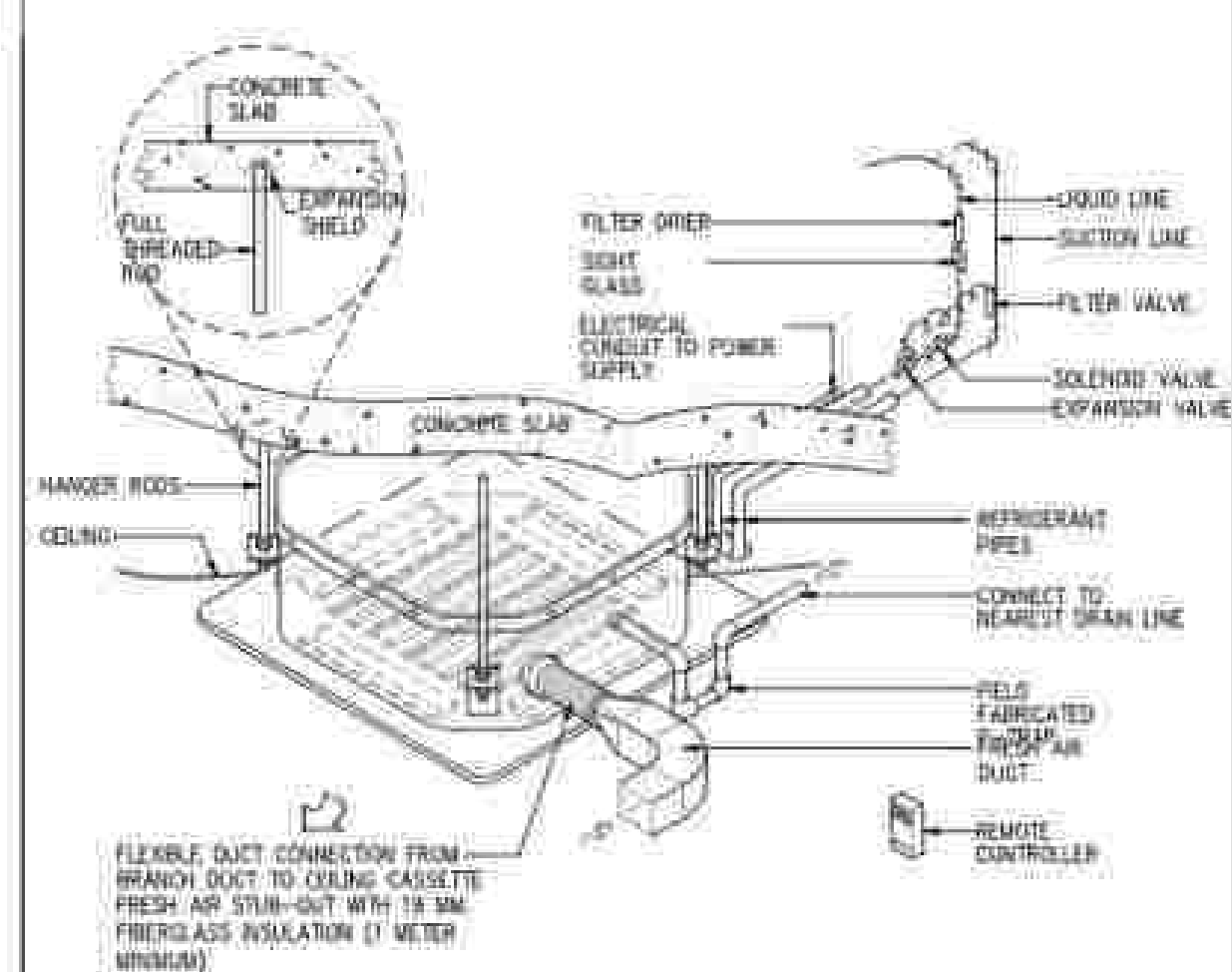
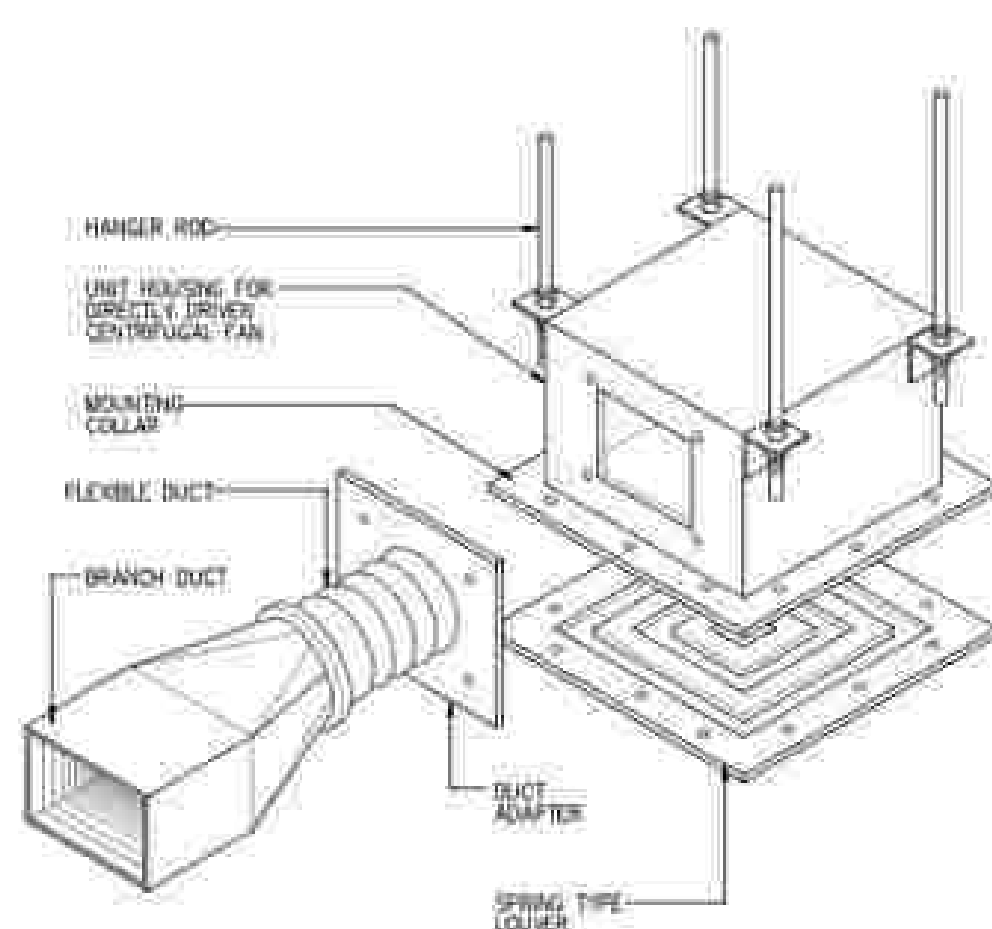
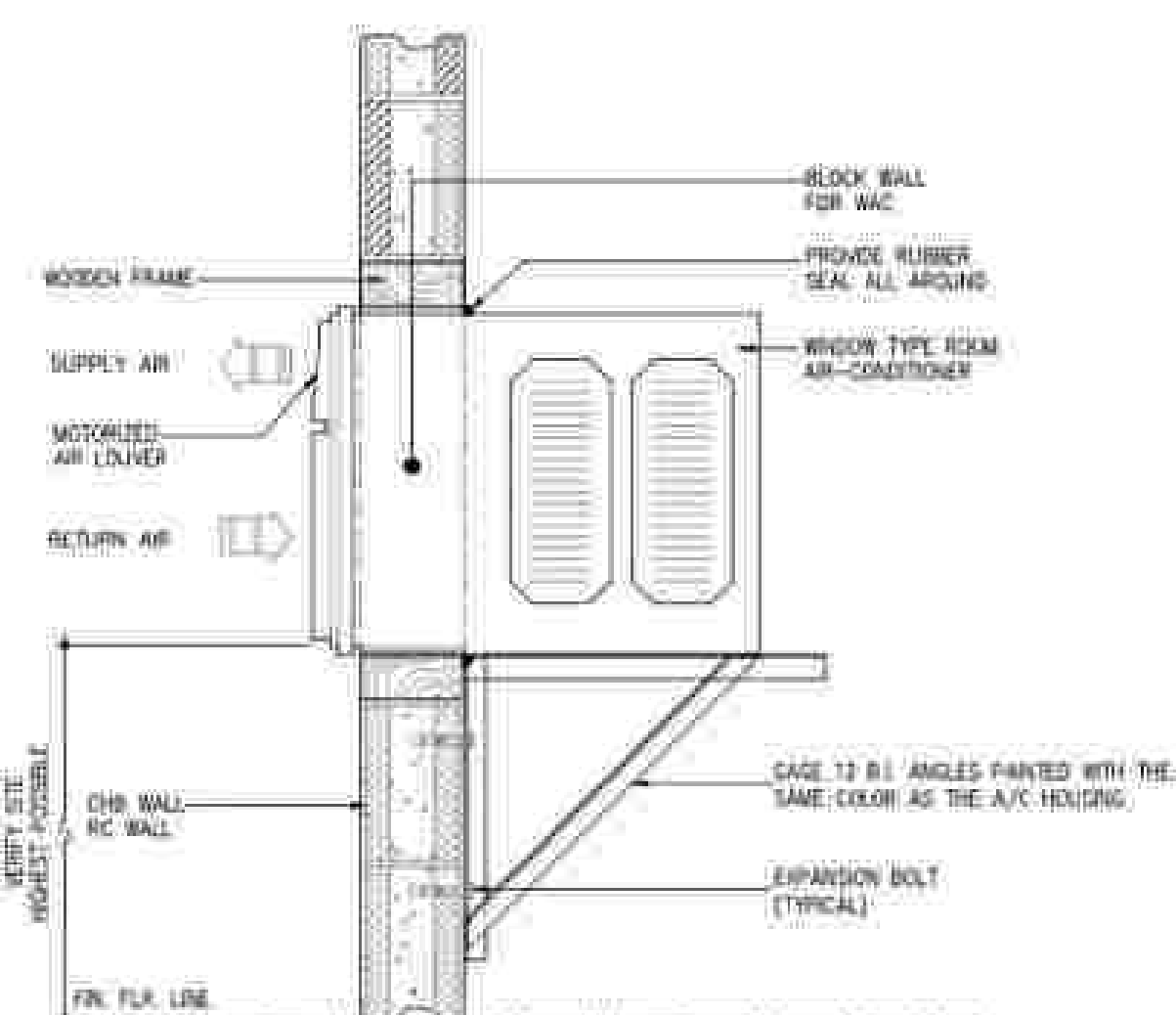
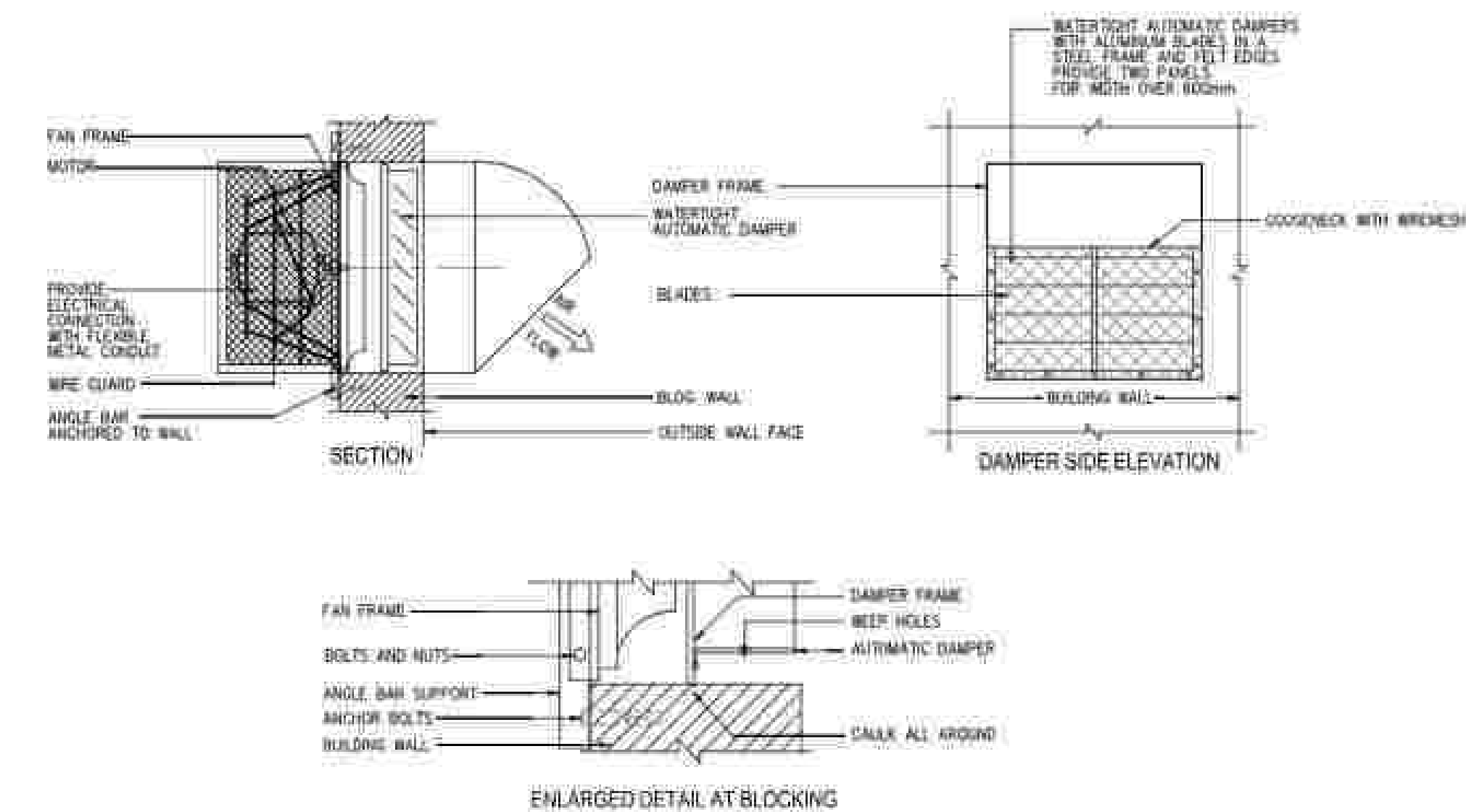
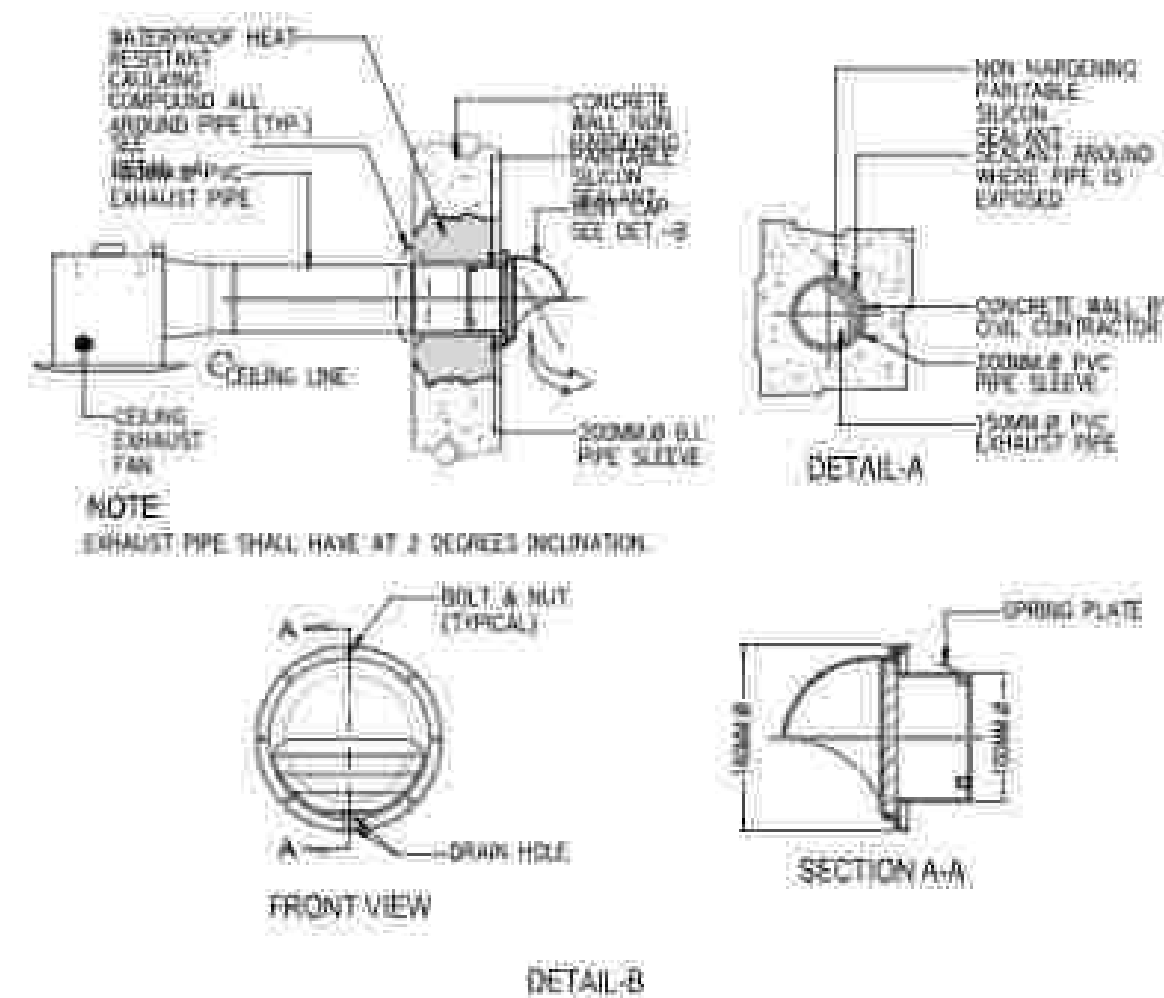
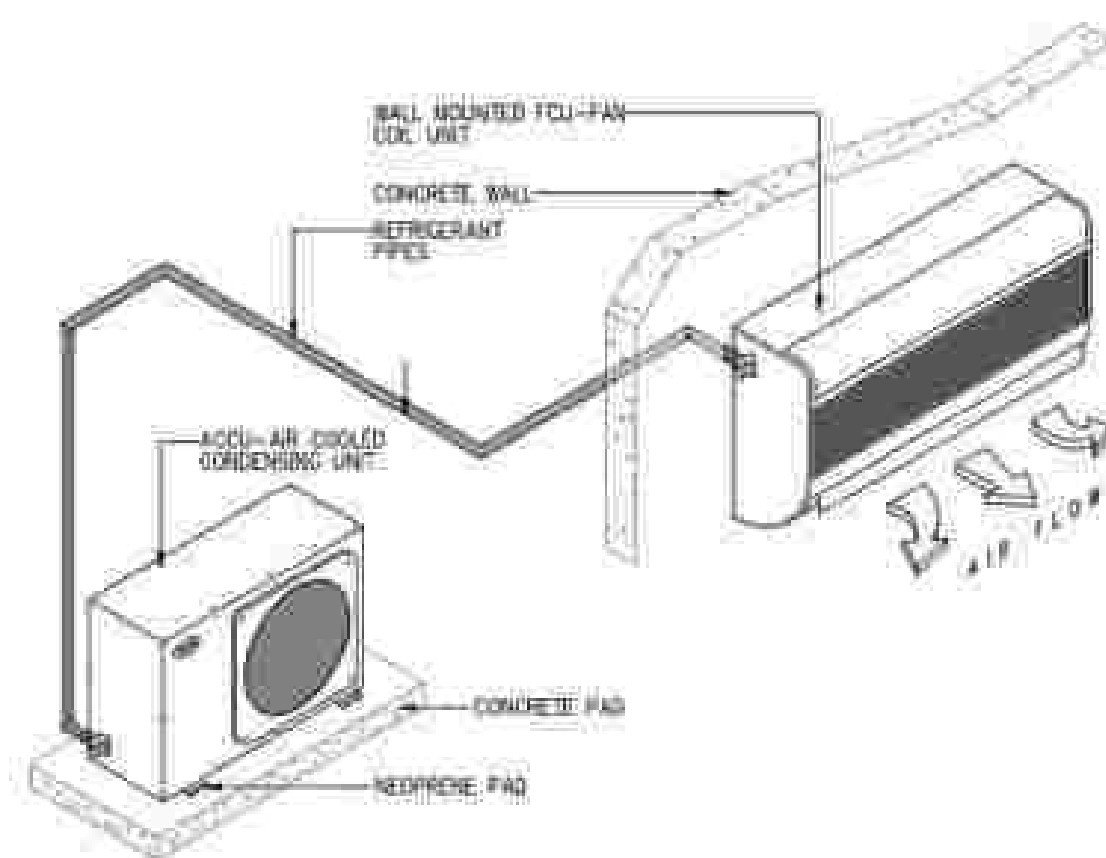
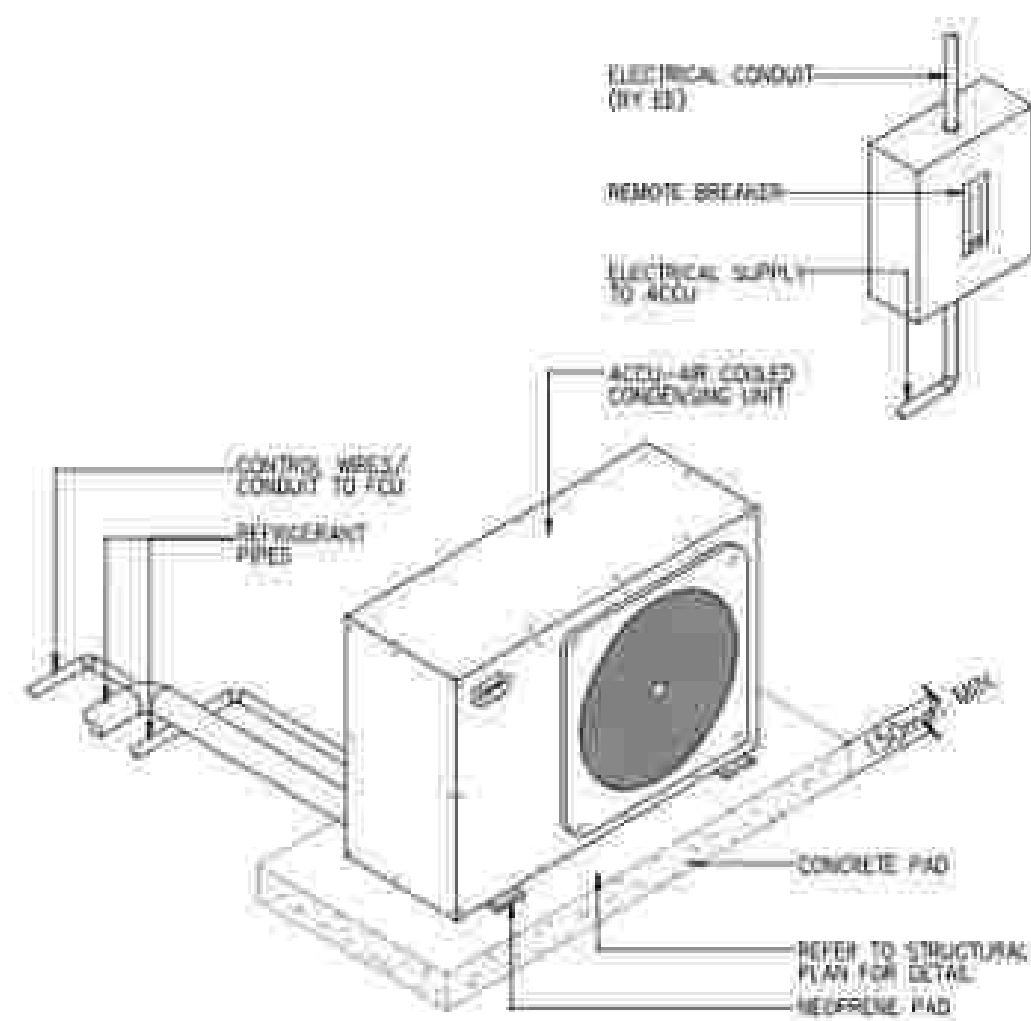
FRESH AIR SUPPLY SCHEMATIC DIAGRAM - 1 (ADMIN BUILDING)

APPROVED BY:	CHECKED BY:	PREPARED BY:	PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:
 Bases Conversion and Development Authority RYAN S. GALURA IEC, SPMS	 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOC PROJECT MANAGER	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SA, AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERGAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 LOCATION: NCC MUNICIPALITY OF DAPAS, TARLAC	AS-BUILT FRESH AIR SUPPLY SCHEMATIC DIAGRAM - 1 (ADMIN BUILDING)	M2-01A



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 Bases Conversion and Development Authority RYAN S. GALURA MC. SP4	 JOSEPHINE JOY REYES EXECUTIVE SECRETAR	 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PAUSOC PROJECT MANAGER	 HILMARC'S CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE, CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERDAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 LOCATION: NCC MUNICIPALITY OF DAPAS, TAYLAC	AS-BUILT FRESH AIR SUPPLY SCHEMATIC DIAGRAM - 2 (ADMIN BUILDING)

M2-01B



NOTE:

1. KITCHEN EXHAUST DUCT ARE FABRICATED IN BLACK STEEL OR BLACK IRON SHEET MINIMUM OF 16mm THICK (G.I.) ALL REQUIRED CONSTRUCTION IN ACCORDANCE WITH SP46 IS.
2. KITCHEN EXHAUST DUCT ARE THERMALLY INSULATED WITH 2" THICK (51mm) ROCKWOOL INSULATION WITH A MINIMUM DENSITY OF 40 PCF (64 Kg/M³).
3. REFER TO PLAN LAYOUT FOR KITCHEN EXHAUST AIR DUCT DIMENSIONS.
4. KITCHEN EXHAUST DUCT AND INSULATION CLASSED WITH FIBER CEMENT BOARD OF 2 HOURS FIRE RATING.

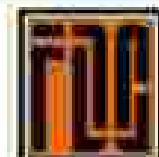
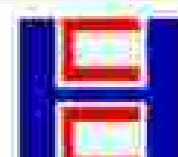


NATIONAL ACADEMY OF SPORTS PHASE 1

NEW CLARK CITY, CAPAS, TARLAC

ARCHITECTURAL AS-BUILT DRAWINGS

MOTOR POOL AND UTILITIES BUILDING

APPROVED BY:	CHECKED BY:	PREPARED BY:	PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:
 Bases Conversion and Development Authority JOSHUA M. BINGGANG SAP-236 AND  NATIONAL ACADEMY OF SPORTS JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	 FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services SALVADOR D. PALISOC PROJECT MANAGER	 HILMARC'S CONSTRUCTION CORPORATION 1539 E. RODRIGUEZ SA, AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERDAS PROJECT MANAGER	AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ARCHITECTURAL) LOCATION: NCC, MUNICIPALITY OF CAPAS, TARLAC	COVER PAGE	A-0.00

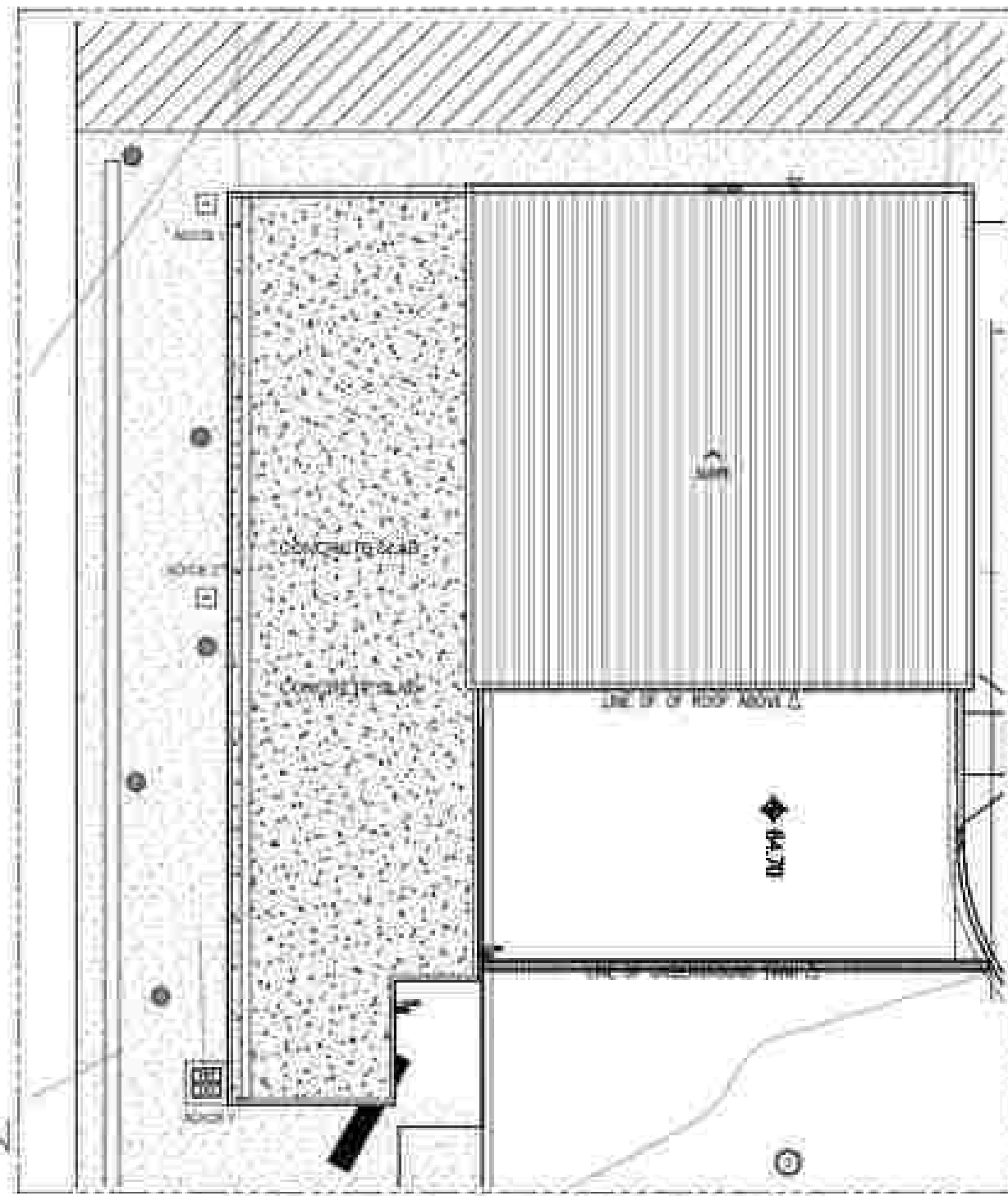


MOTORPOOL & UTILITY BUILDING

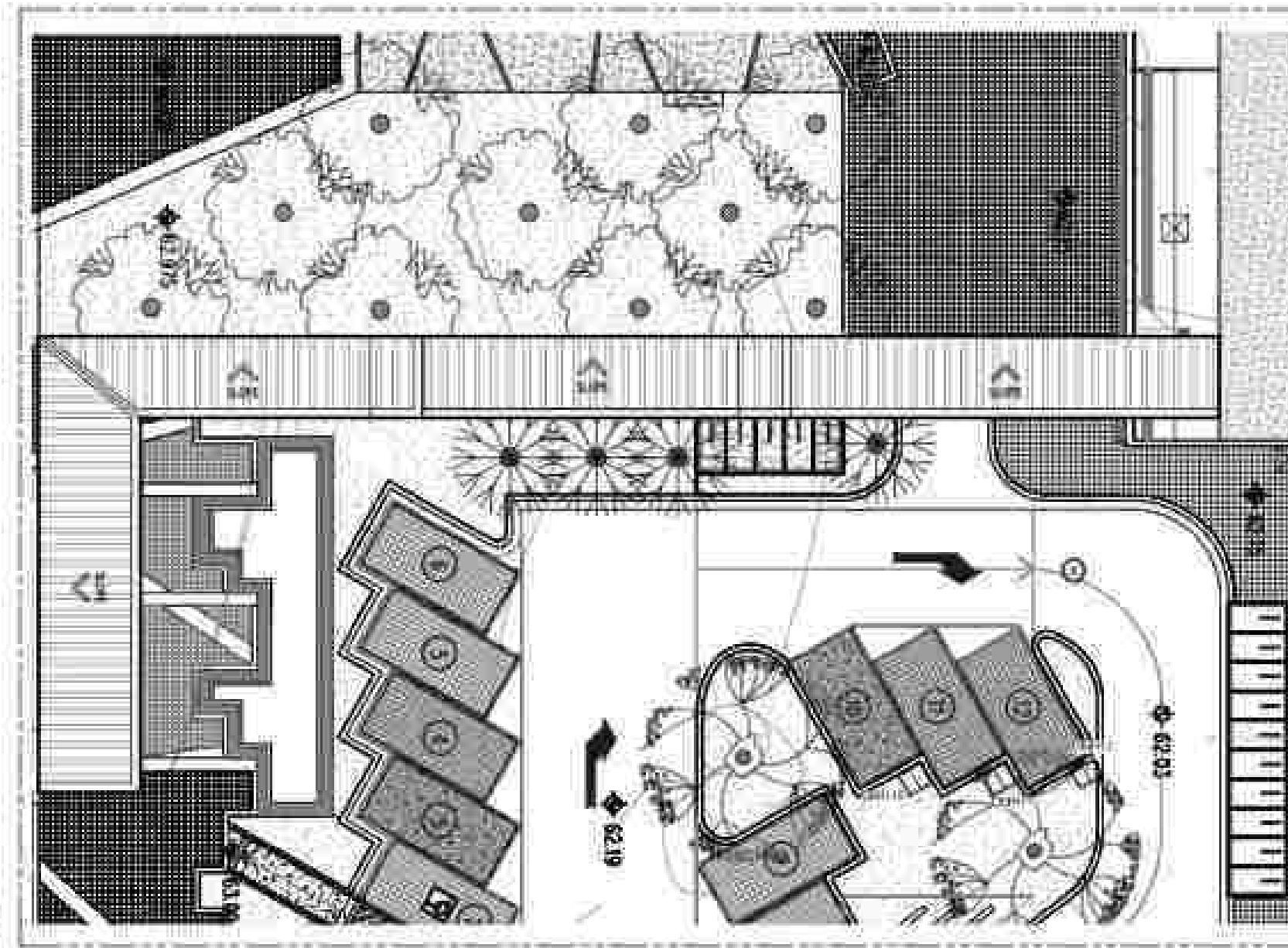


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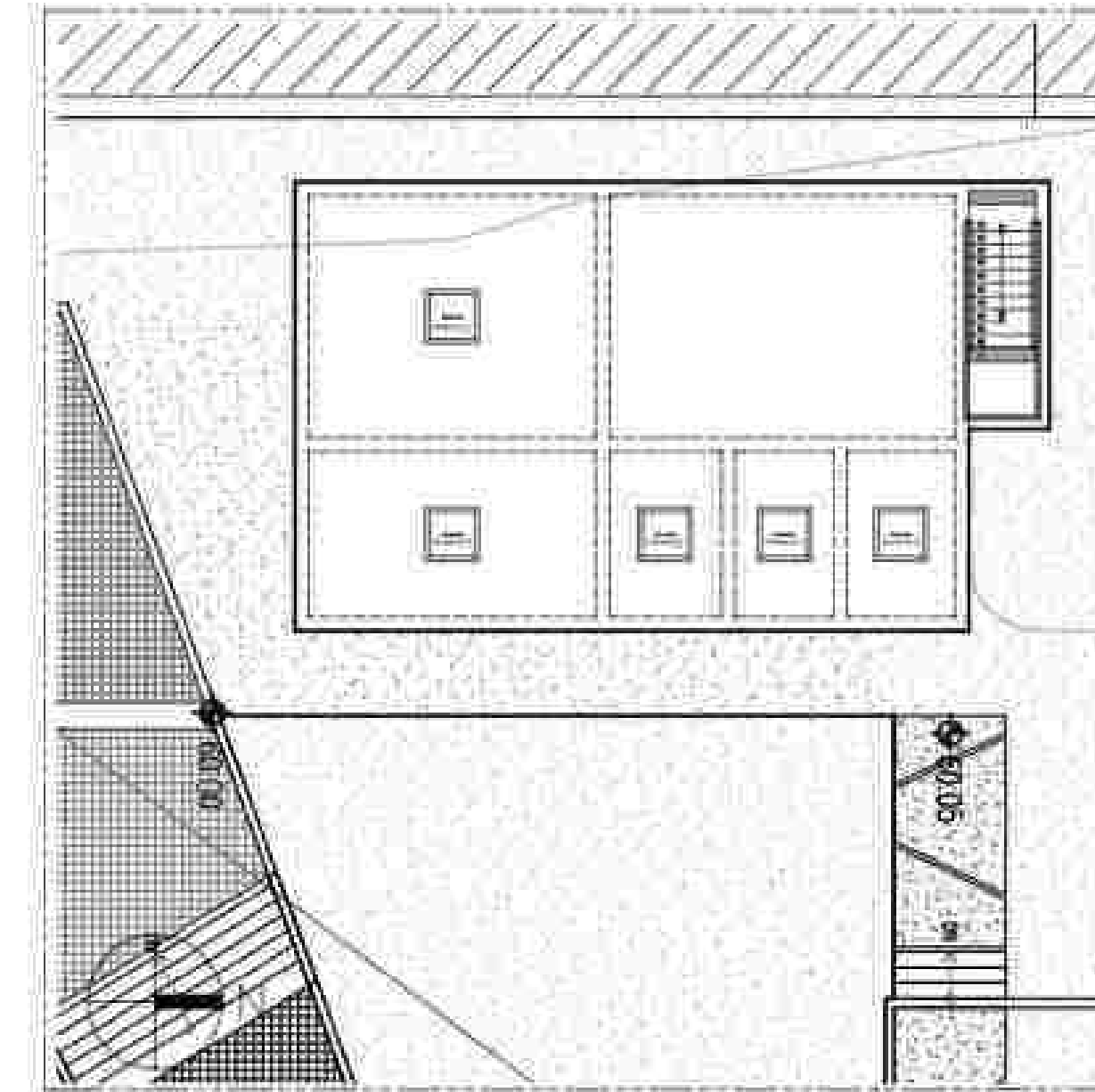
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SCALE
AN-1.00 NTS



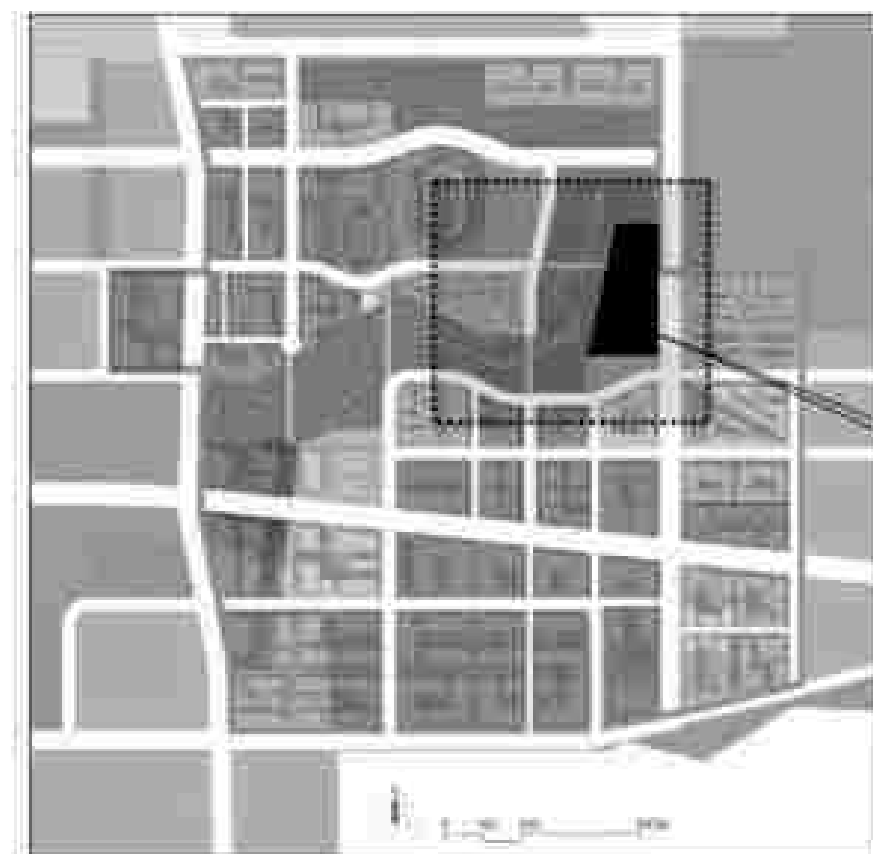
2 MOTORPOOL & UTILITY BUILDING
SITE DEVELOPMENT PLAN
SCALE
AN-1.00 1:200M



3 COVERED PATHWAY
SITE DEVELOPMENT PLAN
SCALE
AN-1.00 1:200M



6 SEWAGE TREATMENT PLANT
SITE DEVELOPMENT PLAN
SCALE
AN-1.00 1:150M



4 MOTORPOOL & UTILITY BUILDING
LOCATION MAP
SCALE
AN-1.00 NTS



5 MOTORPOOL & UTILITY BUILDING
VICINITY MAP
SCALE
AN-1.00 NTS

TABLE OF CONTENTS

ARCHITECTURAL

AN-0.00	COVER PAGE
AN-1.00	PERSPECTIVE, SITE DEVELOPMENT PLAN, VICINITY MAP
AN-2.00	UNDERGROUND TANK PLAN, GROUND FLOOR PLAN
AN-3.00	ROOF PLAN, REFLECTED CEILING PLAN
AN-2.01	FRONT ELEVATION, RIGHT SIDE ELEVATION, LEFT SIDE ELEVATION
AN-2.02	SECTION 1, 2, 3
AN-2.03	DOORS AND WINDOWS SCHEDULE
AN-2.04	PUMP ROOM STAIR DETAILS
AN-2.05	SEWER TANK DETAILS
AN-2.06	SEWER TANK DETAILS
AN-2.07	COVERED PATHWAY DETAILS

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- SPECIFIED MATERIALS OR APPROVED EQUIVALENT MUST BE APPROVED BY THE ARCHITECT PRIOR TO IMPLEMENTATION.

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF
PUBLIC WORKS & HIGHWAYS

OFFICE OF THE BUILDING OFFICIAL

MUNICIPALITY OF CAPAS

LAND-USE & ZONING

LINE & GRADE

ARCHITECTURAL

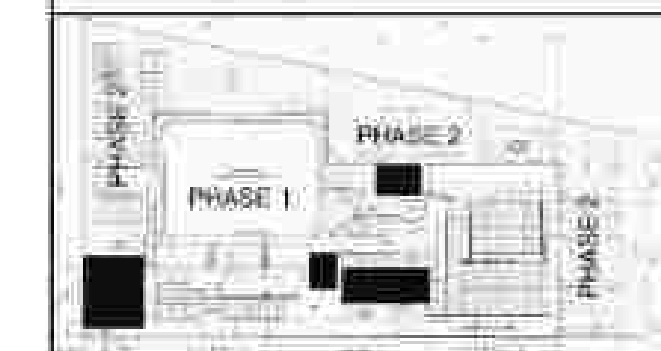
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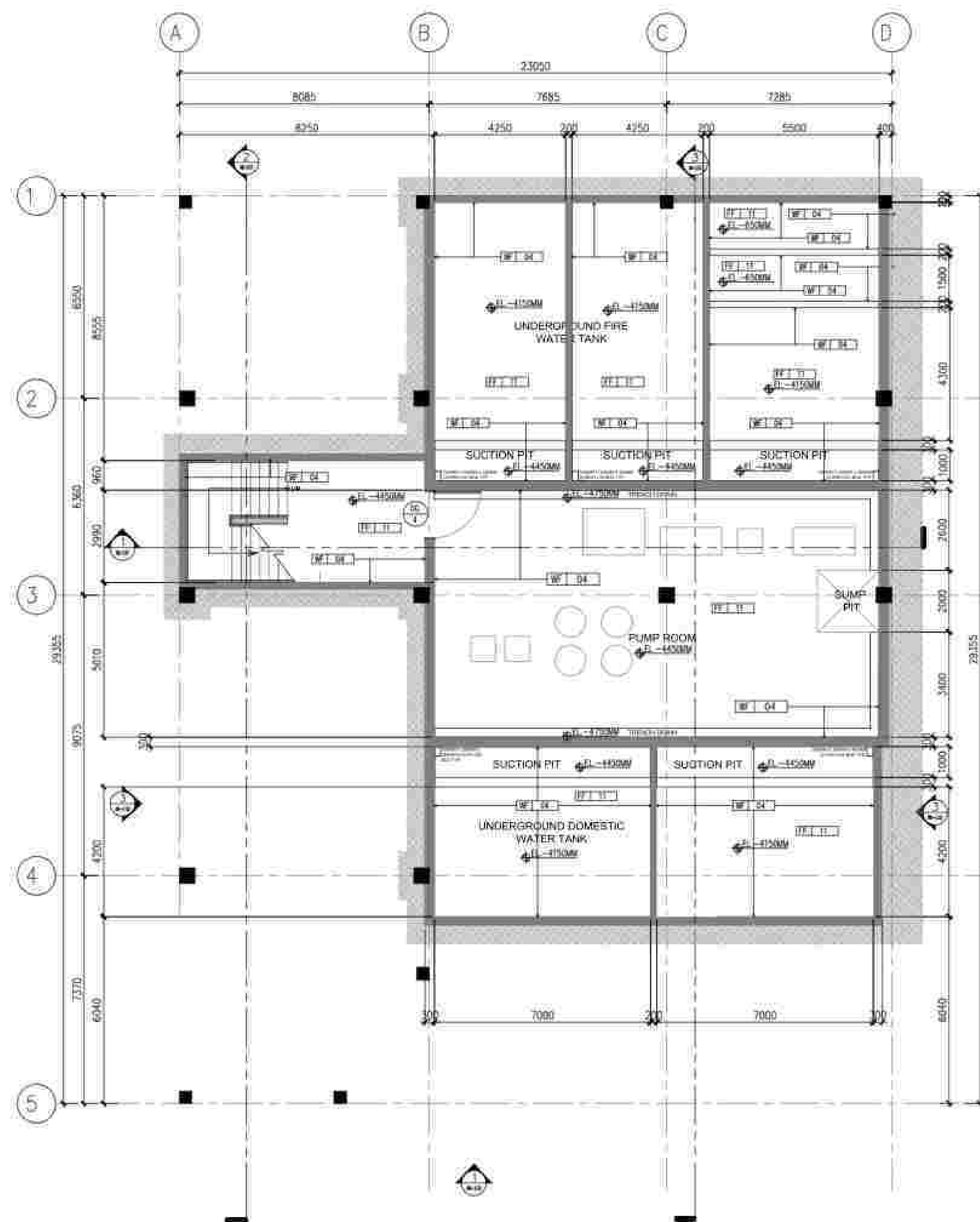
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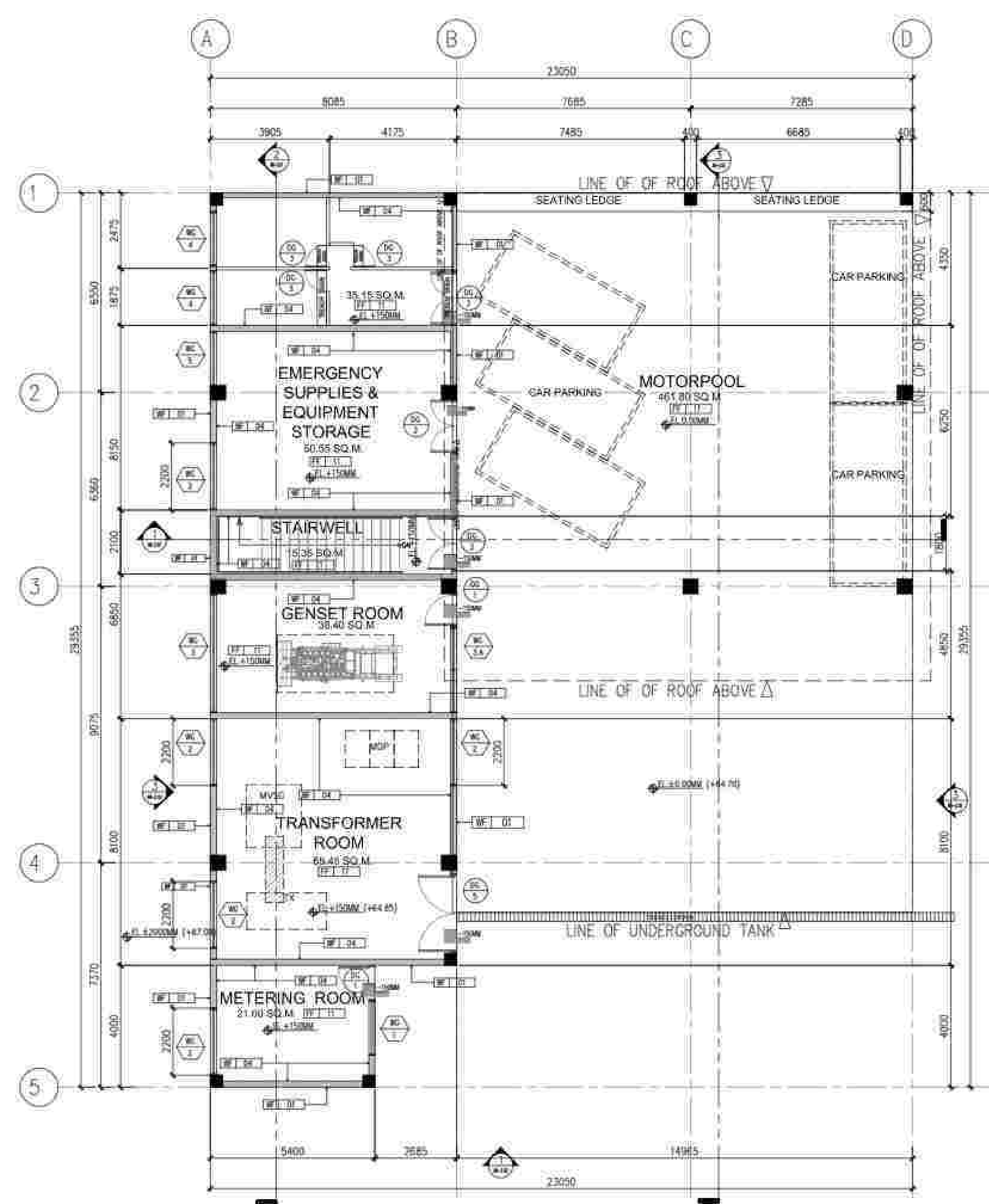
MECHANICAL

KEY PLAN: NAS PHASE 1





1 UTILITIES FLOOR PATTERN & WALL SETTING
UNDERGROUND FLOOR PLAN
SCALE AN-2.00 1:100MM



2 UTILITIES FLOOR PATTERN & WALL SETTING
GROUND FLOOR PLAN
SCALE AN-2.00 1:100MM

LEGEND

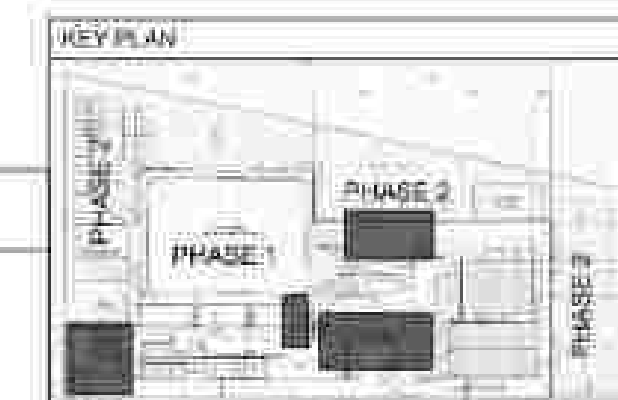
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WF-01 LAHAR-GRAY ACRYLIC-BASED SKIM COAT IN VENETIAN FINISH
WF-04 PLAIN CEMENT FINISH

CF-02 PLAIN CEMENT FINISH
RF-01 EXPOSED ROOF FRAMING IN CHARCOAL-GRAY EPOXY PAINT FINISH

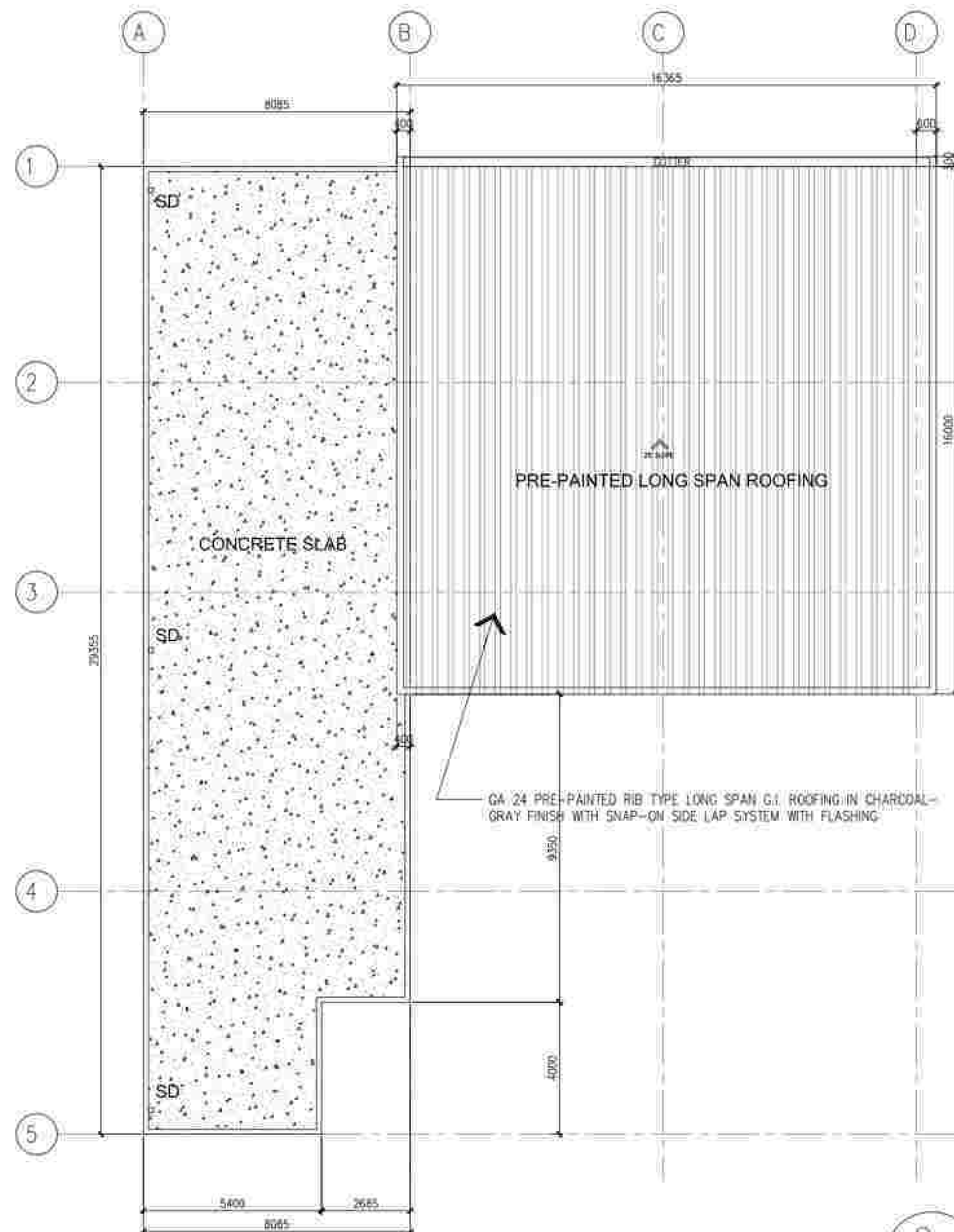
200MM THK. CMU WITH PLASTER FINISH
150MM THK. CMU WITH PLASTER FINISH
REINFORCED CONCRETE WALL

SURFACE-MOUNTED LED DOWNLIGHT
SURFACE-MOUNTED LED LINEAR LIGHT
6W CEILING MOUNTED SPEAKER

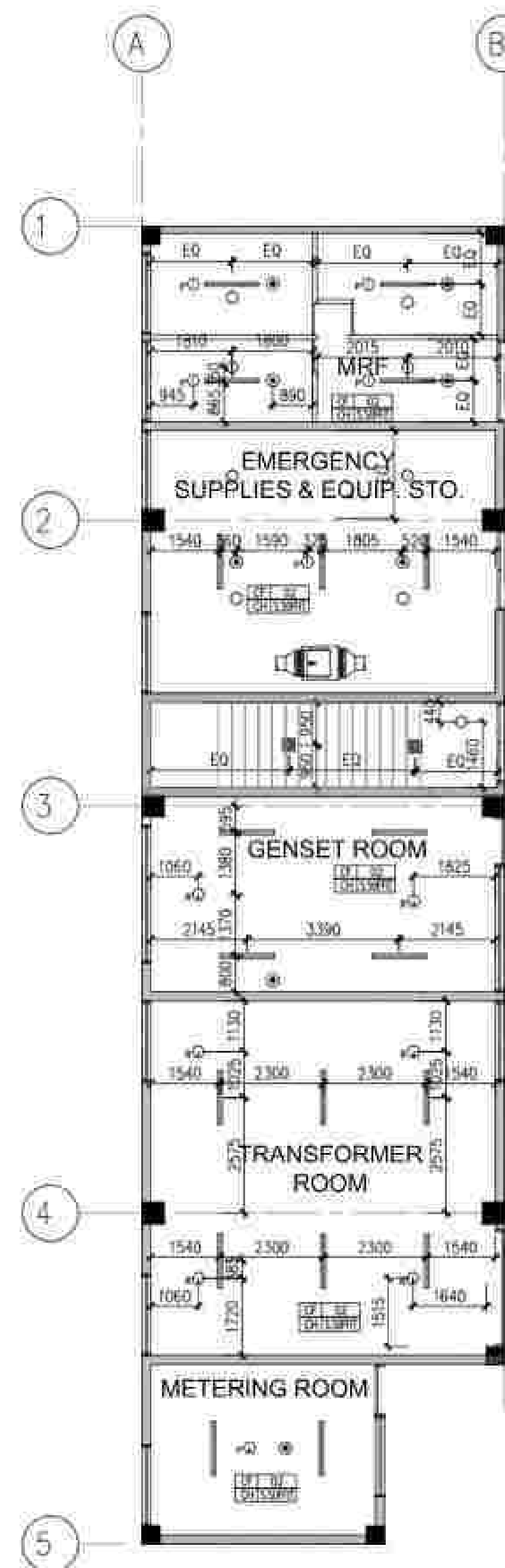
ADDRESSABLE SMOKE DETECTOR
HEAT DETECTOR
SPRINKLER



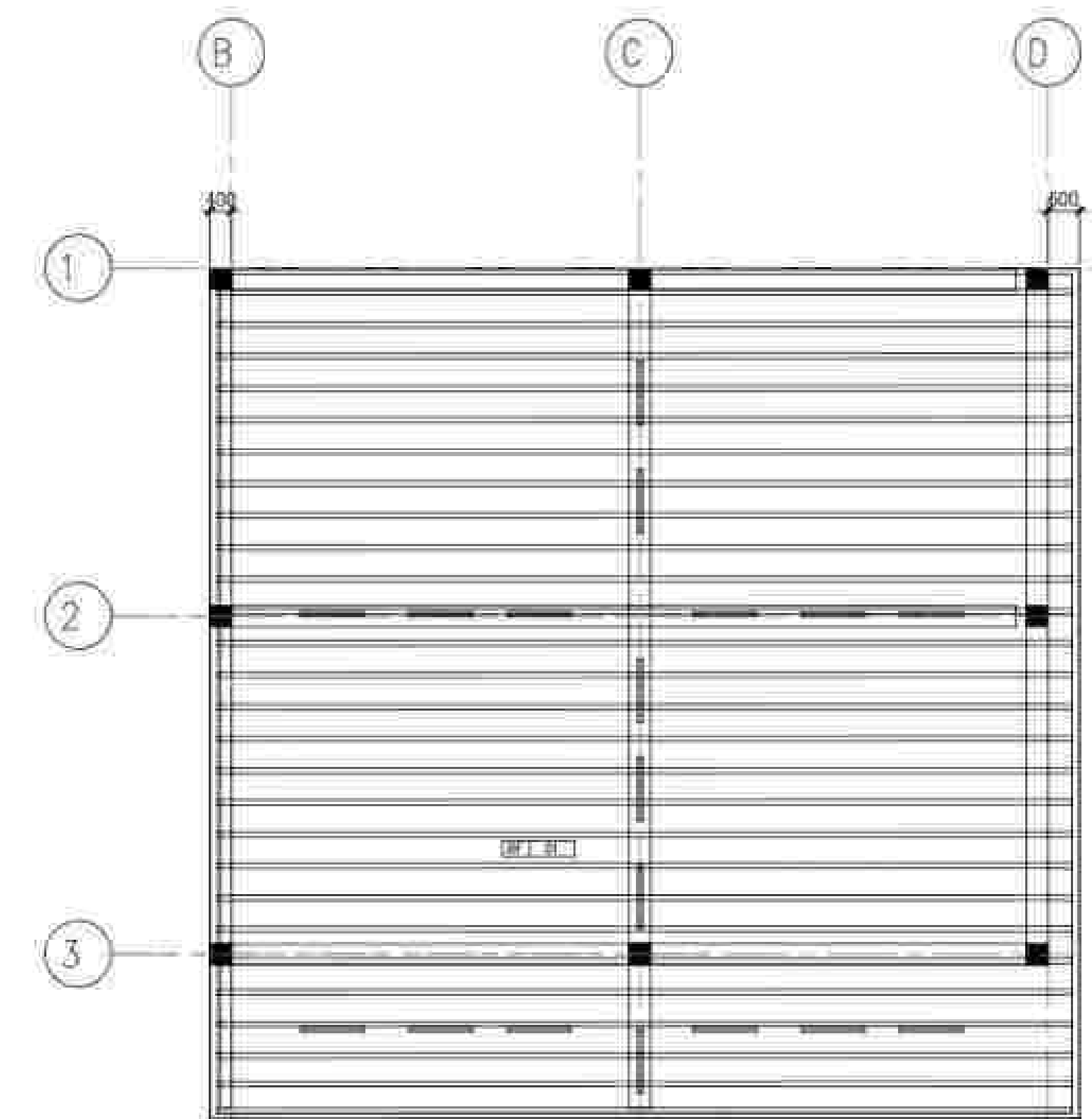
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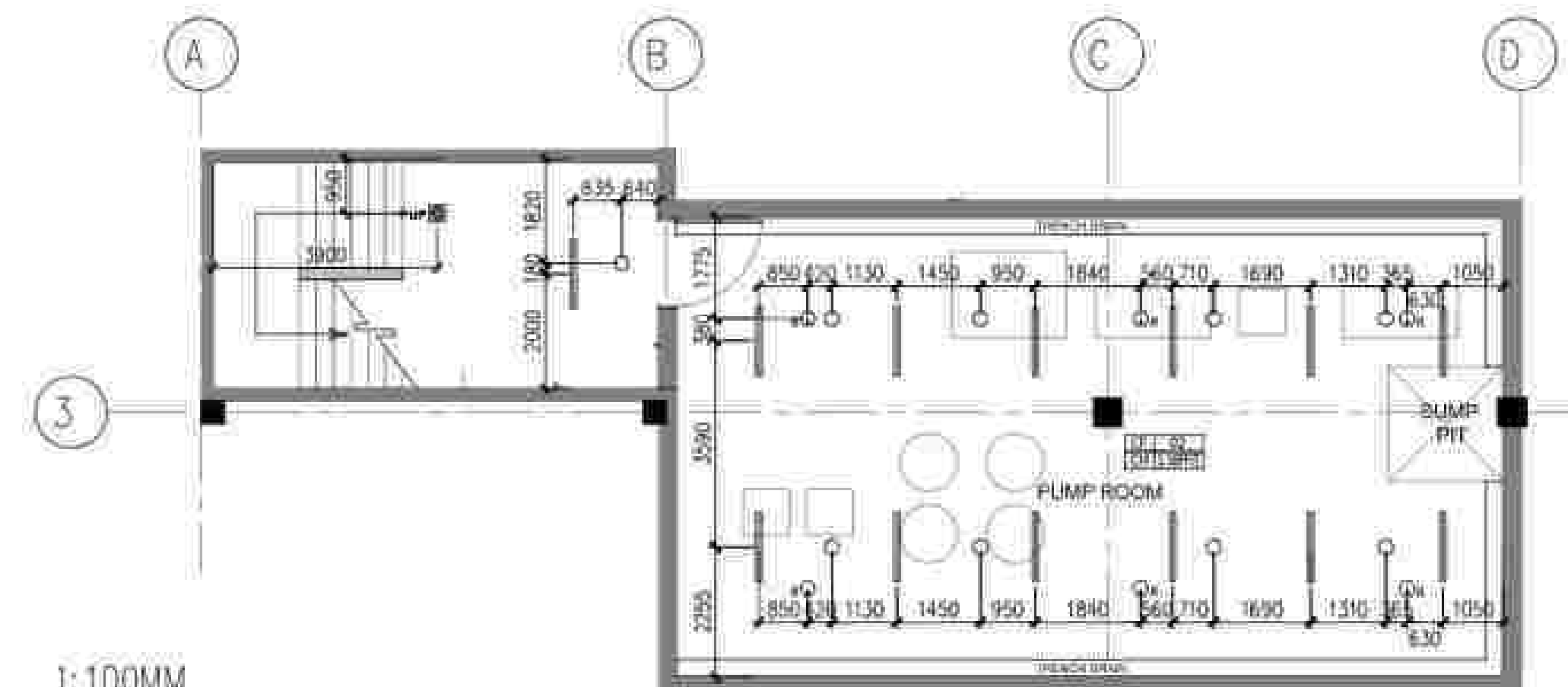
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AN-2.01
UTILITY & MOTORPOOL
ROOF PLAN
SCALE
1:100MM



2
AN-2.01
UTILITY
REFLECTED CEILING PLAN
SCALE



3
AN-2.01
MOTORPOOL
REFLECTED CEILING PLAN
SCALE
1:100MM



4
AN-2.01
PUMP ROOM
REFLECTED CEILING PLAN
SCALE
1:100MM

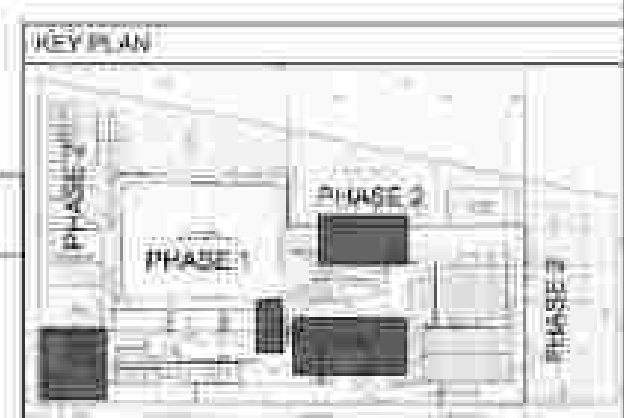
LEGEND

EF 11 STRAIGHT TO FINISH CONCRETE
WF 01 LAHAR-GRAY ACRYLIC-BASED SKIM COAT IN VENETIAN FINISH
WF 04 PLAIN CEMENT FINISH

CF 02 PLAIN CEMENT FINISH
RF 01 EXPOSED ROOF FRAMING IN CHARCOAL-GRAY EPOXY PAINT FINISH

200MM THK. CMU WITH PLASTER FINISH
150MM THK. CMU WITH PLASTER FINISH
REINFORCED CONCRETE WALL

SURFACE-MOUNTED LED DOWNLIGHT
SURFACE-MOUNTED LED LINEAR LIGHT



APPROVED BY:



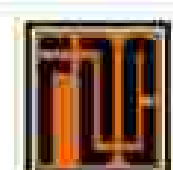
RYAN S. GALURA
BC, SPMS

AND:



JOSEPHINE JOY REYES
EXECUTIVE DIRECTOR

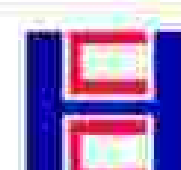
CHECKED BY:



FILIPINAS DRAVO CORPORATION
Consulting Engineering & Architectural Services

SALVADORE D. PALISOC
PROJECT MANAGER

PREPARED BY:



HILMARC'S CONSTRUCTION CORPORATION
1839 E. RODRIGUEZ SA, AVENUE CUBAO, QUEZON CITY
TEL. NO. 854-3011

JESUS V. HERDAS
PROJECT MANAGER

PROJECT TITLE:

AS-BUILT DRAWING
NATIONAL ACADEMY OF SPORTS
PHASE 1
(ARCHITECTURAL)

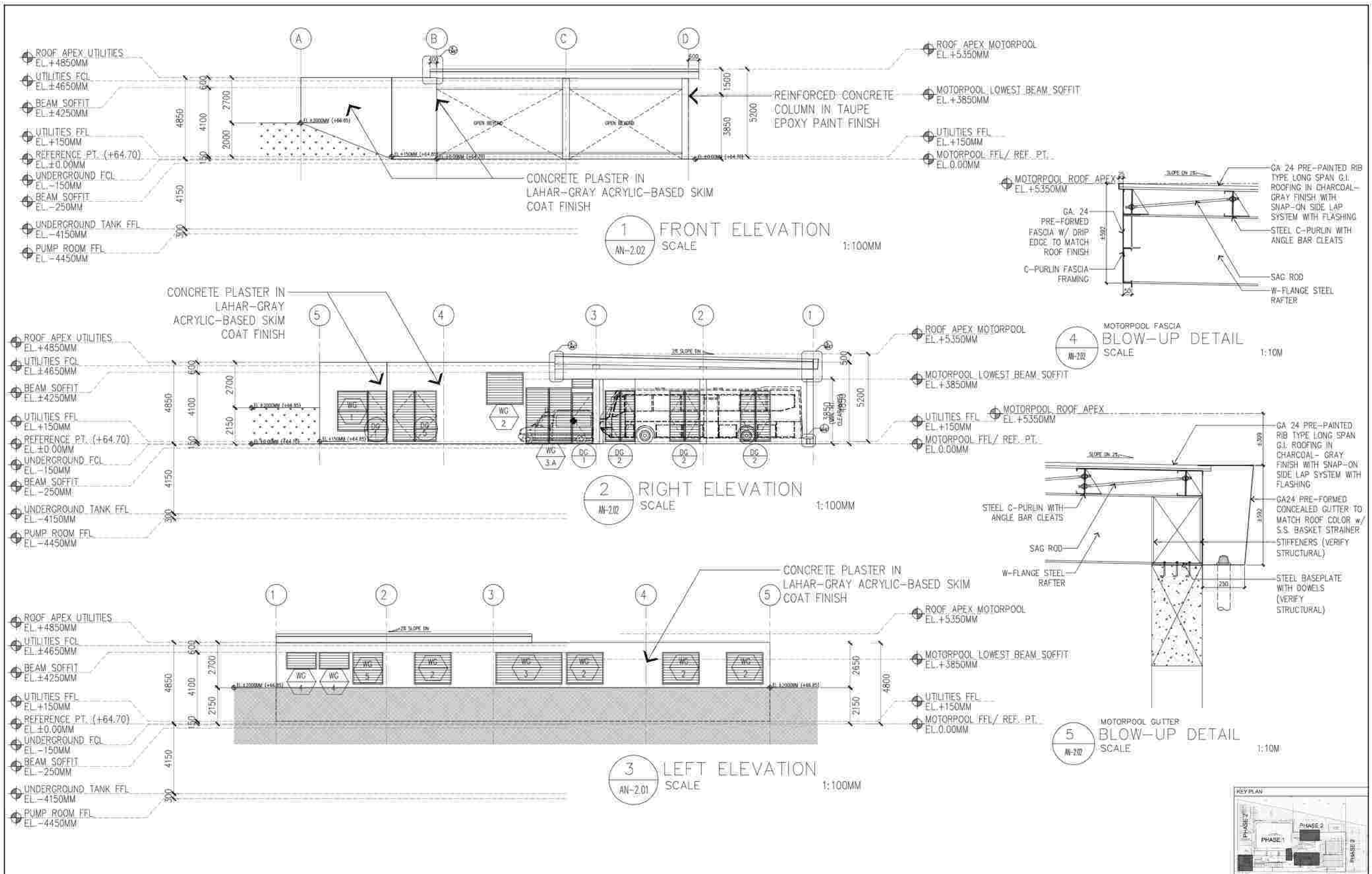
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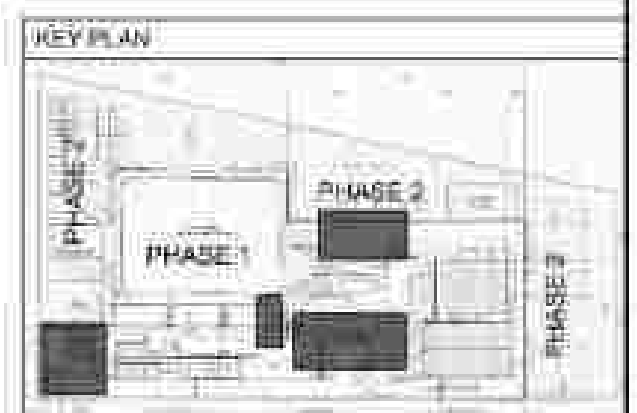
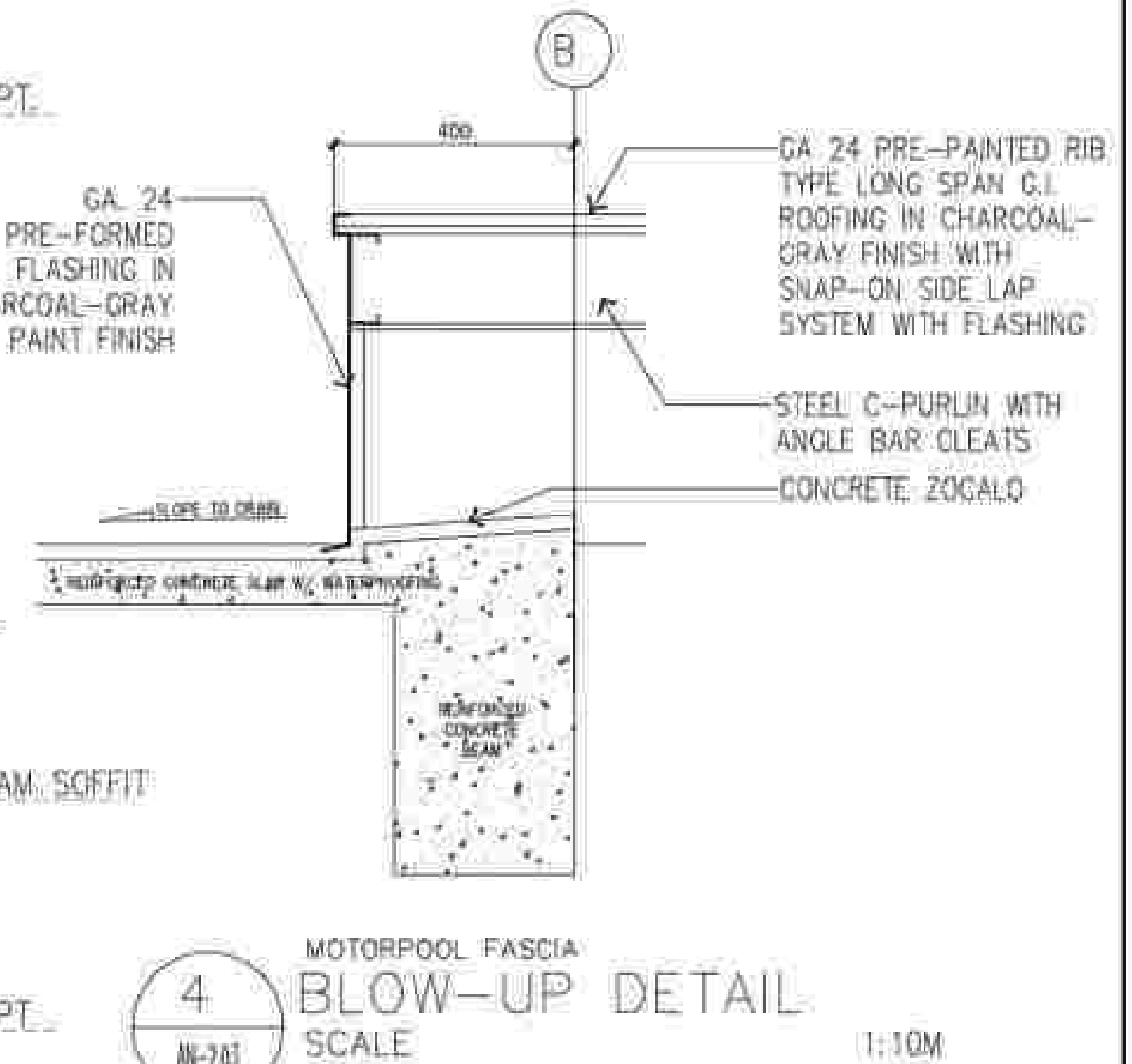
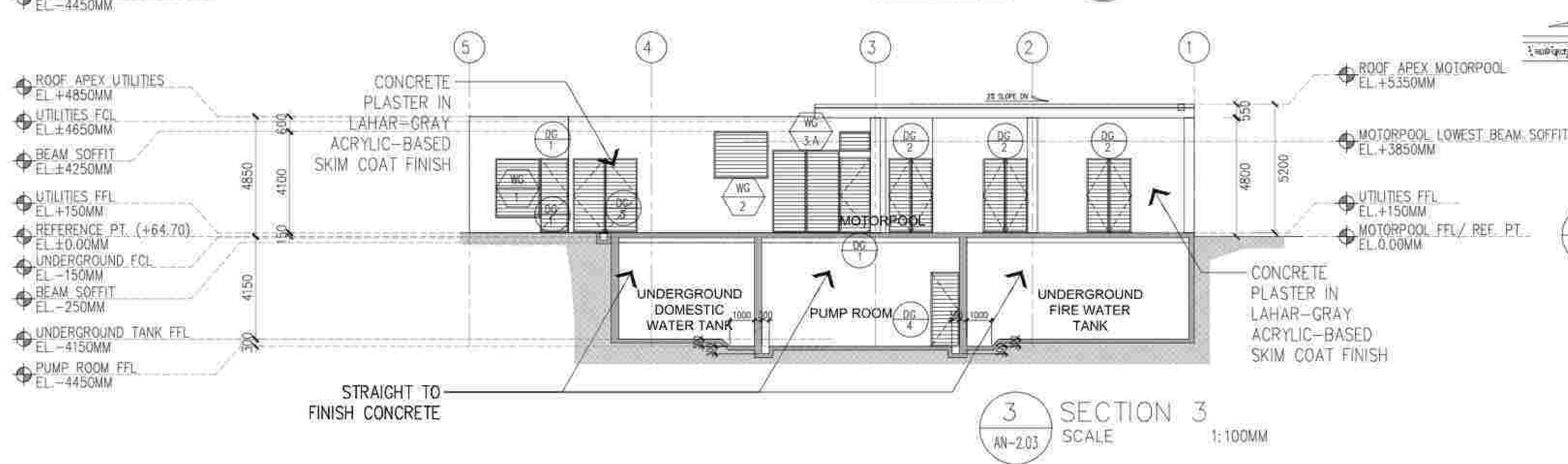
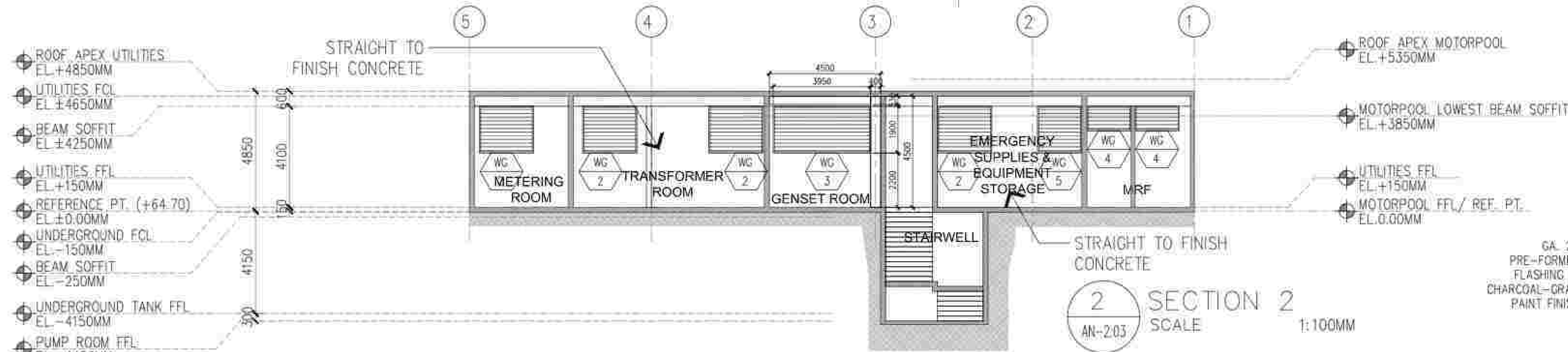
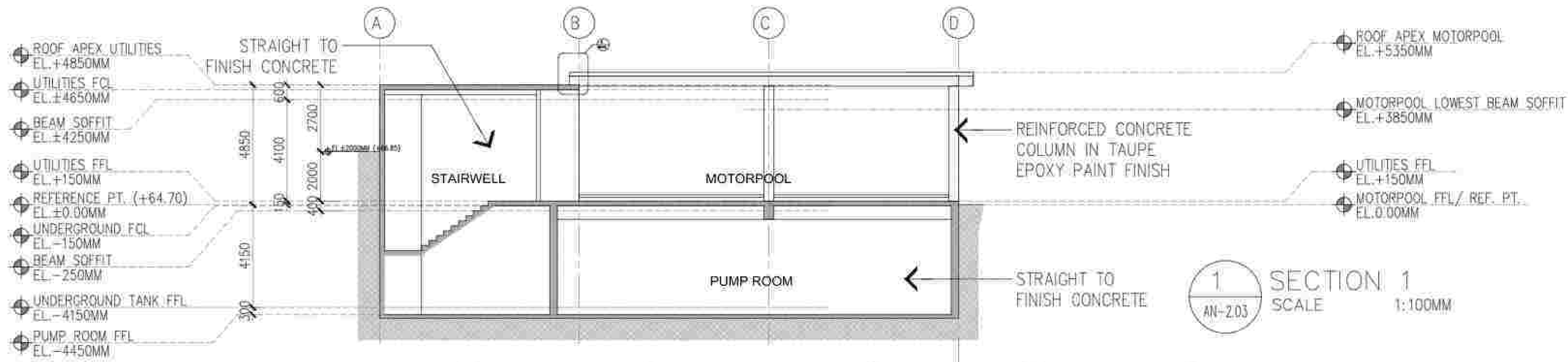
ROOF PLAN
UTILITY REFLECTED CEILING PLAN
MOTORPOOL REFLECTED CEILING PLAN
PUMP ROOM REFLECTED CEILING PLAN

SHEET NO.:

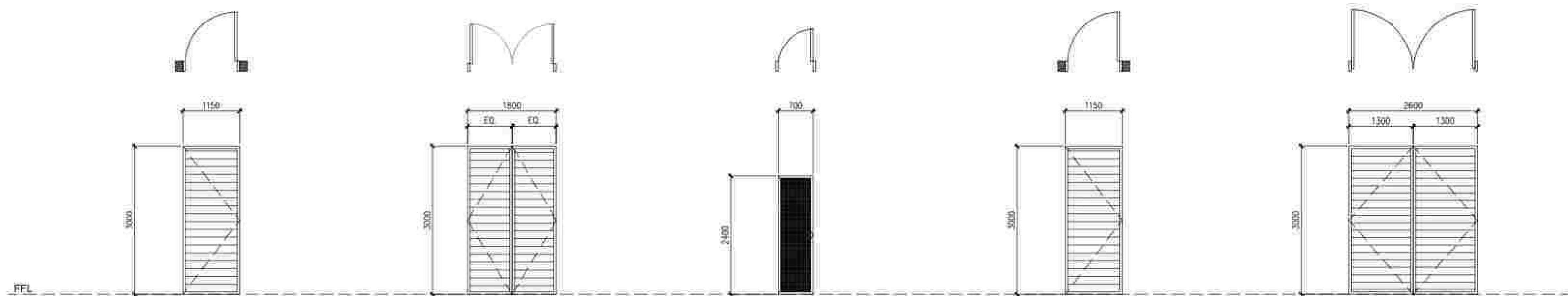
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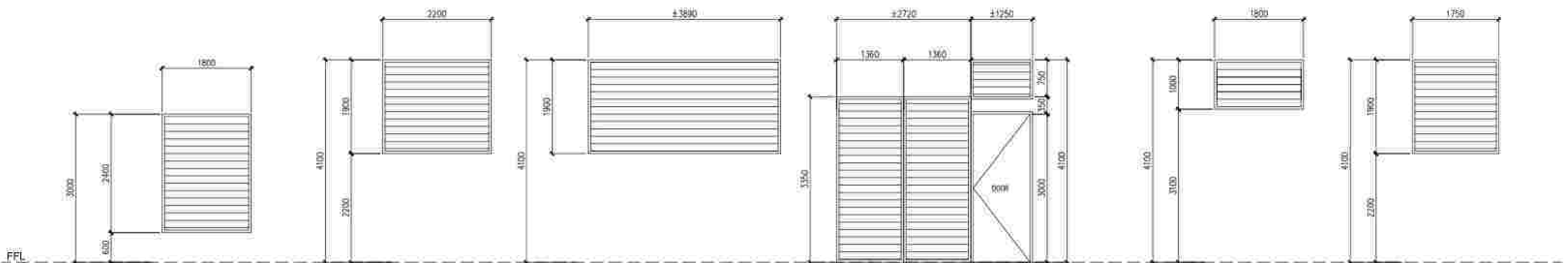
APPROVED BY: BCDA Bases Conversion and Development Authority RYAN S. GALURA INC. SPMS	CHECKED BY: FILIPINAS DRAVO CORPORATION Consulting Engineering & Architectural Services JOSEPHINE JOY REYES EXECUTIVE DIRECTOR	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1839 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3911 JESUS V. HERDAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ARCHITECTURAL) LOCATION: NOC MUNICIPALITY OF CAPIZ, TARIAC	SHEET CONTENTS: PHASE 1 PHASE 2 PHASE 3 SHEET NO.: AN-2.02
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APPROVED BY: BCDA Bases Conversion and Development Authority RYAN S. GALURA VIC. SPMS	CHECKED BY: FILIPINAS DRAGO CORPORATION Consulting Engineering & Architectural Services SALVADORE D. PALISOC PROJECT MANAGER	PREPARED BY: HILMARCS CONSTRUCTION CORPORATION 1501 E. RODRIGUEZ SR. AVENUE CUBAO, QUEZON CITY TEL. NO. 854-3811 JESUS V. HERGAS PROJECT MANAGER	PROJECT TITLE: AS-BUILT DRAWING NATIONAL ACADEMY OF SPORTS PHASE 1 (ARCHITECTURAL) LOCATION: NCC MUNICIPALITY OF DAPAS, TAYLAC	SHEET CONTENTS: SECTION 1 SECTION 2 SECTION 3	SHEET NO. AN-2.03
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DESIGNATION	DG 1	DG 2	DG 3	DG 4	DG 5
LOCATION	METERING ROOM, GENSET ROOM	STAIRS IN TO UNDERGROUND, EMERGENCY SUPPLIES & EQUIPMENT STORAGE, WVF	WVF	PUMP ROOM	TRANSFORMER ROOM
QUANTITY	2 SETS REQUIRED	3 SETS REQUIRED	3 SETS REQUIRED	1 SET REQUIRED	1 SET REQUIRED
TYPE	SWING DOOR	DOUBLE SWING DOOR	SWING DOOR	SWING DOOR	DOUBLE SWING DOOR
FINISH	GAZZ METAL LOUVERED DOOR IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT	GAZZ METAL LOUVERED DOOR IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT	WELDED WIRE MESH IN 50MM X 50MM ANGULAR BAR FRAMING	GAZZ METAL LOUVERED DOOR IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT	GAZZ METAL LOUVERED DOOR IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT
HARDWARE	HINGE: 4-HEAVY DUTY - BUTTERFLY HINGE LOCKSET: HEAVY DUTY DEADBOLT-LOCK HANDLE: N/A JAMB: GAZZ SINGLE RABBIT ACCESSORIES: N/A	HINGE: 4-HEAVY DUTY - BUTTERFLY HINGE LOCKSET: HEAVY DUTY DEADBOLT-LOCK HANDLE: N/A JAMB: GAZZ SINGLE RABBIT ACCESSORIES: N/A	HINGE: 5-HEAVY DUTY - BUTTERFLY HINGE LOCKSET: GATE BOLT LOCK HANDLE: N/A JAMB: N/A ACCESSORIES: N/A	HINGE: 4-HEAVY DUTY - BUTTERFLY HINGE LOCKSET: HEAVY DUTY DEADBOLT-LOCK HANDLE: N/A JAMB: GAZZ SINGLE RABBIT ACCESSORIES: N/A	HINGE: 4-HEAVY DUTY - BUTTERFLY HINGE LOCKSET: HEAVY DUTY DEADBOLT-LOCK HANDLE: N/A JAMB: GAZZ SINGLE RABBIT ACCESSORIES: N/A

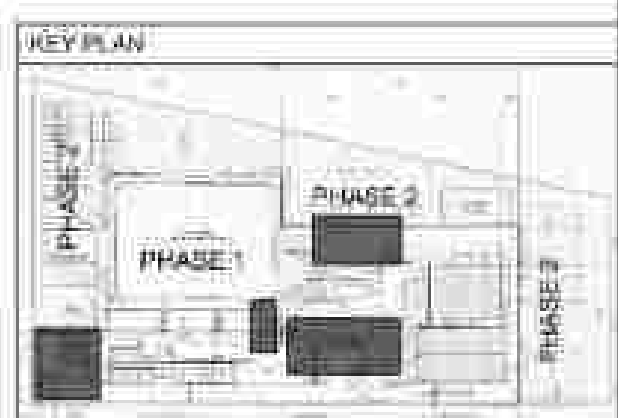


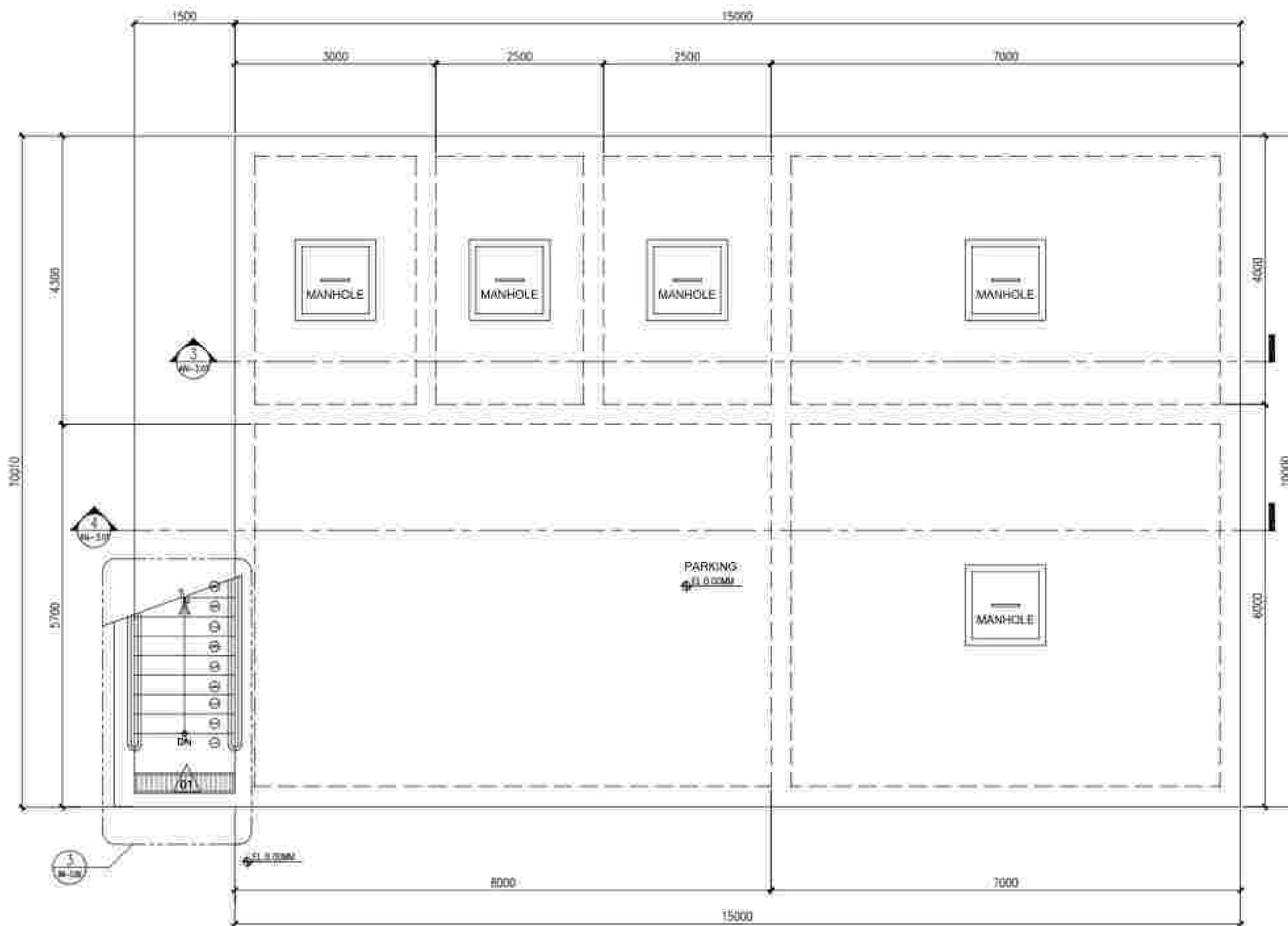
DESIGNATION	WG 1	WG 2	WG 3	WG 3A	WG 4	WG 5
LOCATION	METERING ROOM	METERING ROOM, TRANSFORMER ROOM, EMERGENCY SUPPLIES & EQUIPMENT STORAGE ROOM	GENSET ROOM	GENSET ROOM	WVF	EMERGENCY SUPPLIES & EQUIPMENT STORAGE ROOM
QUANTITY	1 SET REQUIRED	5 SETS REQUIRED	1 SET REQUIRED/ SCHEDULE	1 SET REQUIRED/ SCHEDULE	2 SETS REQUIRED	1 SET REQUIRED
TYPE	LOUVERED WINDOW	LOUVERED WINDOW	FIXED LOUVERED WINDOW & DISMOUNTABLE LOUVERED WINDOW	FIXED LOUVERED WINDOW & DISMOUNTABLE LOUVERED WINDOW	LOUVERED WINDOW	LOUVERED WINDOW
FINISH	GAZZ METAL LOUVERED WINDOW IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT	GAZZ METAL LOUVERED WINDOW IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT	GAZZ METAL LOUVERED WINDOW IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT	GAZZ METAL LOUVERED WINDOW IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT	GAZZ METAL LOUVERED WINDOW IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT	GAZZ METAL LOUVERED WINDOW IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT
HARDWARE						

1 AN-2.04

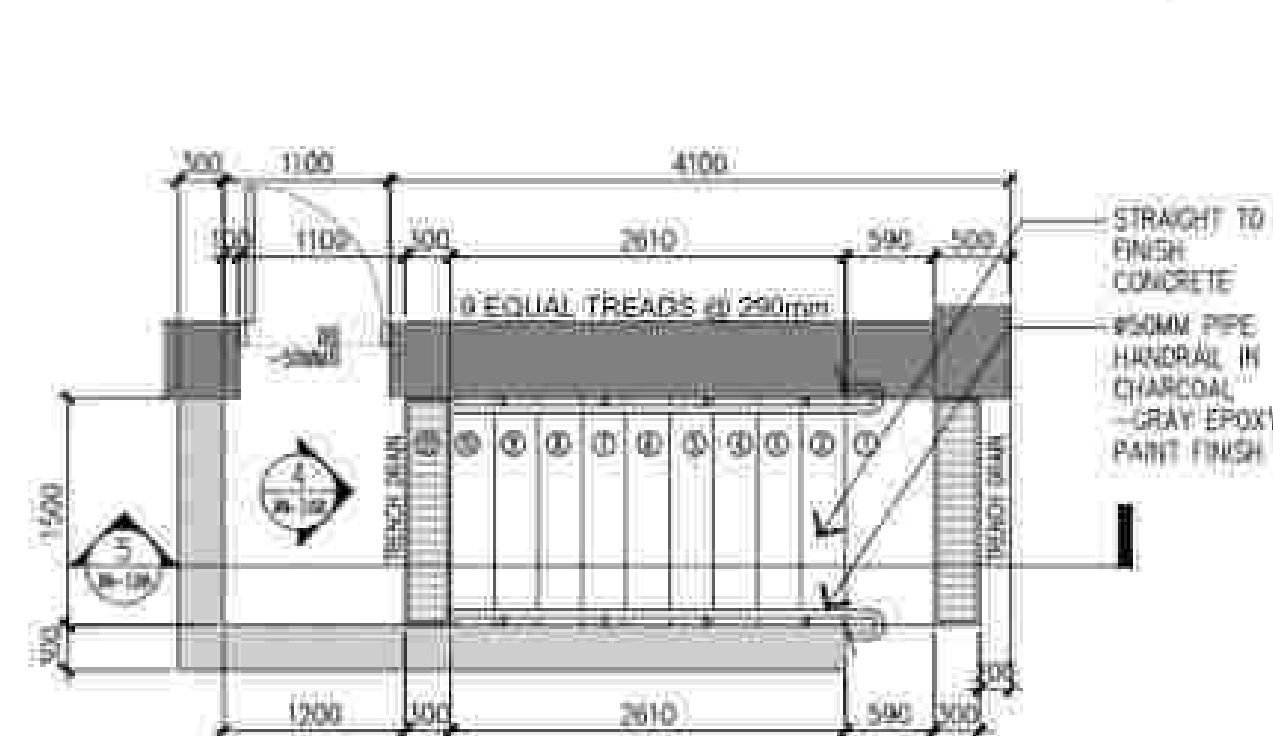
DOORS AND WINDOWS SCHEDULE SCALE

1:50MM

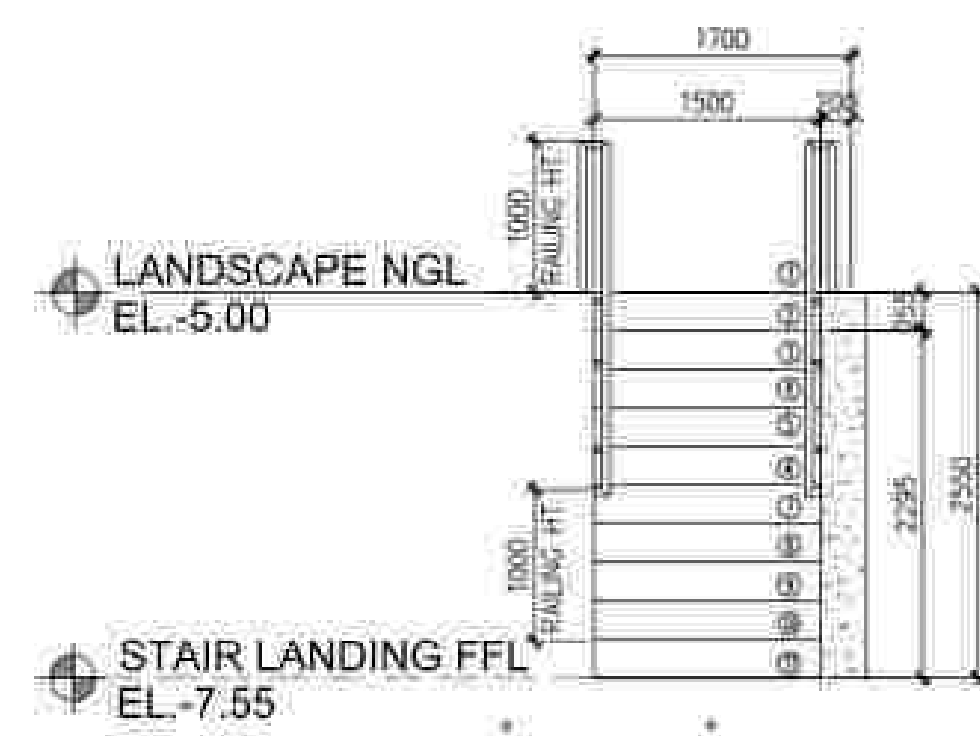




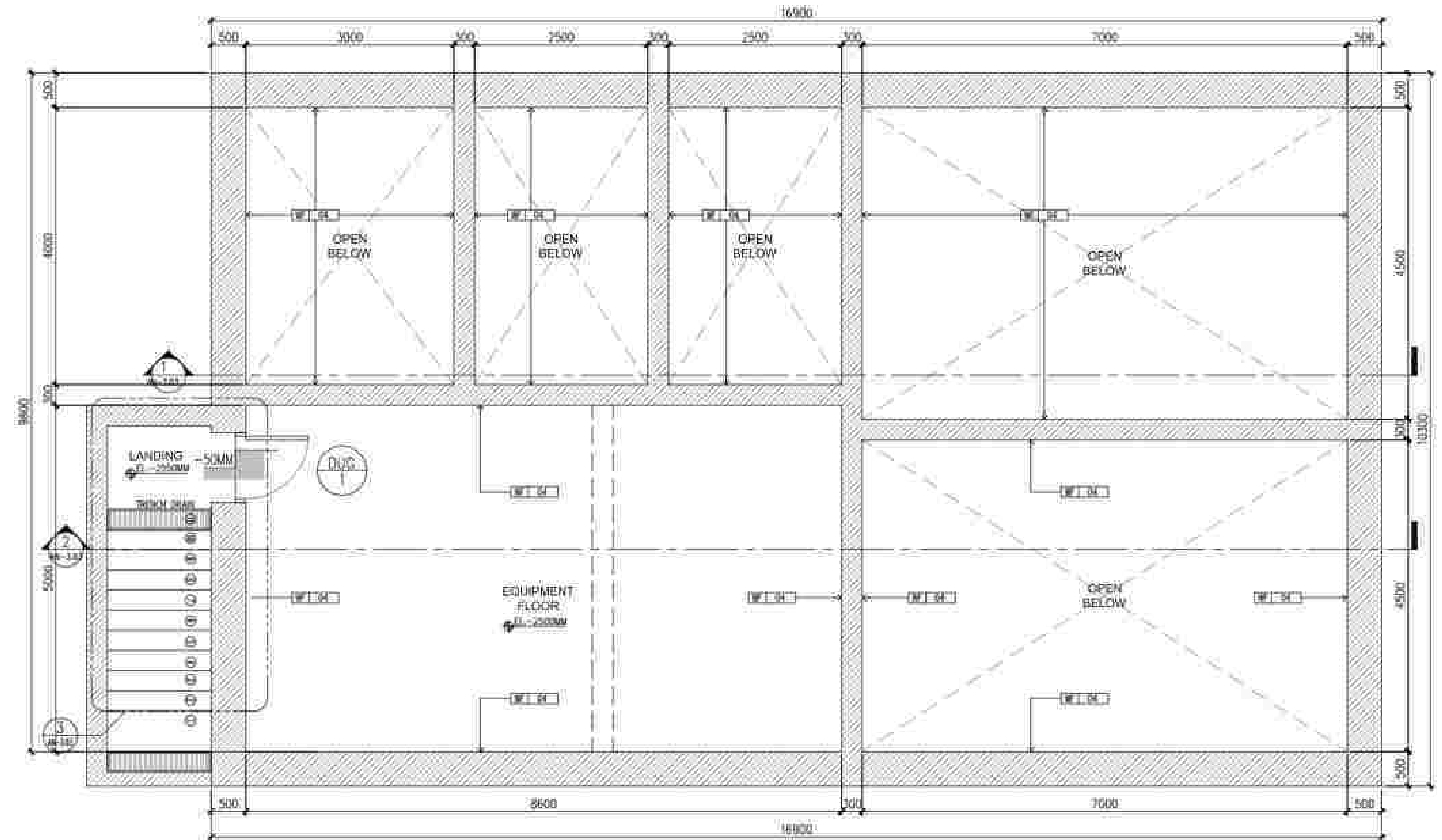
1
AN-3.00
SEWAGE TREATMENT PLANT
FLOOR PLAN
SCALE 1:50M



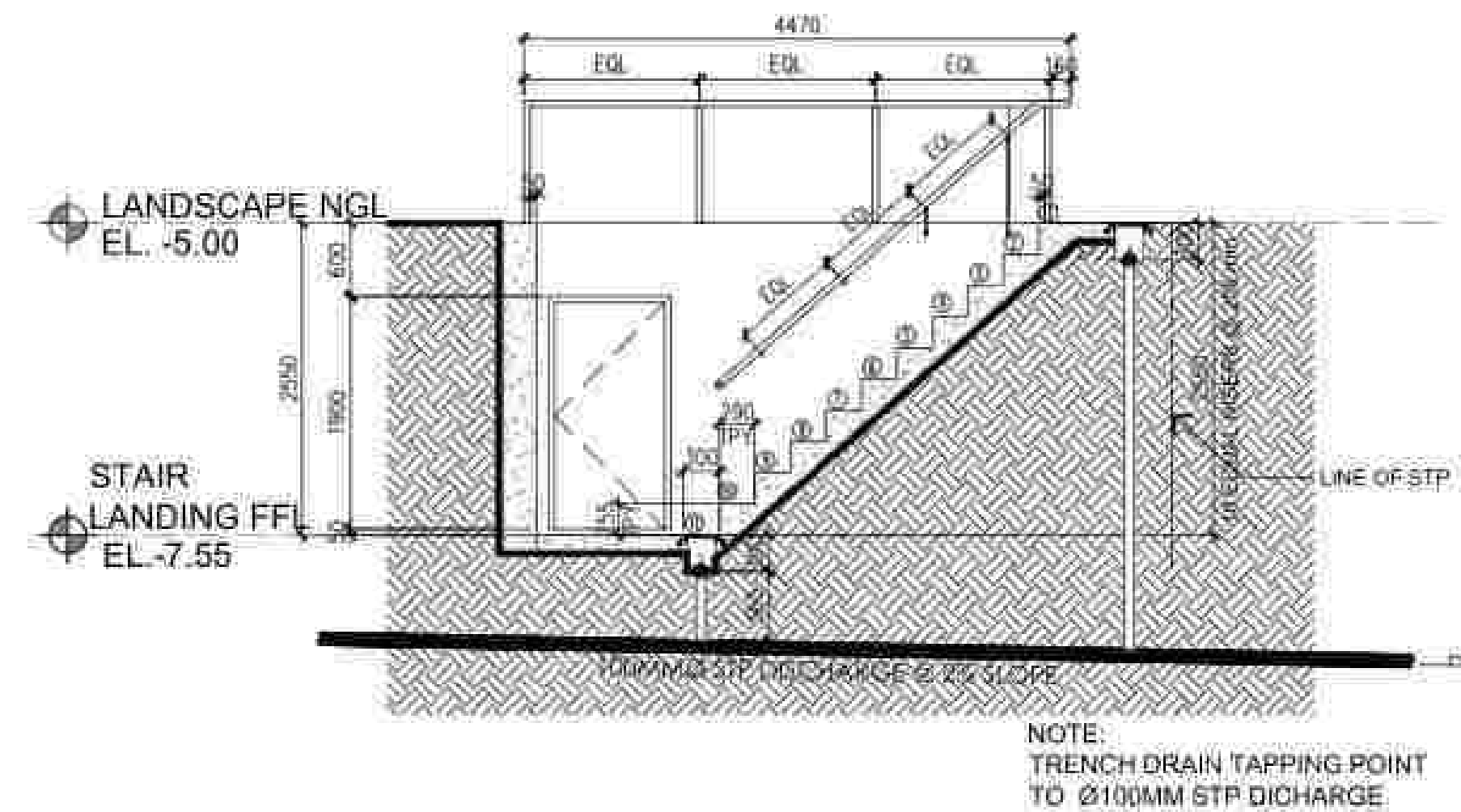
3
AN-3.00
SEWAGE TREATMENT PLANT
STAIR PLAN
SCALE 1:50M



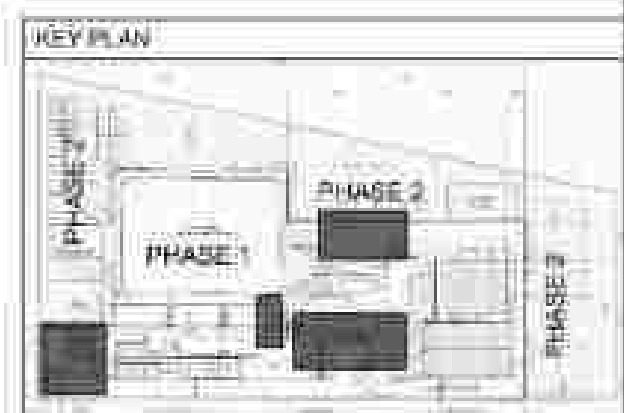
4
AN-3.00
SEWAGE TREATMENT PLANT
ELEVATION
SCALE 1:50M

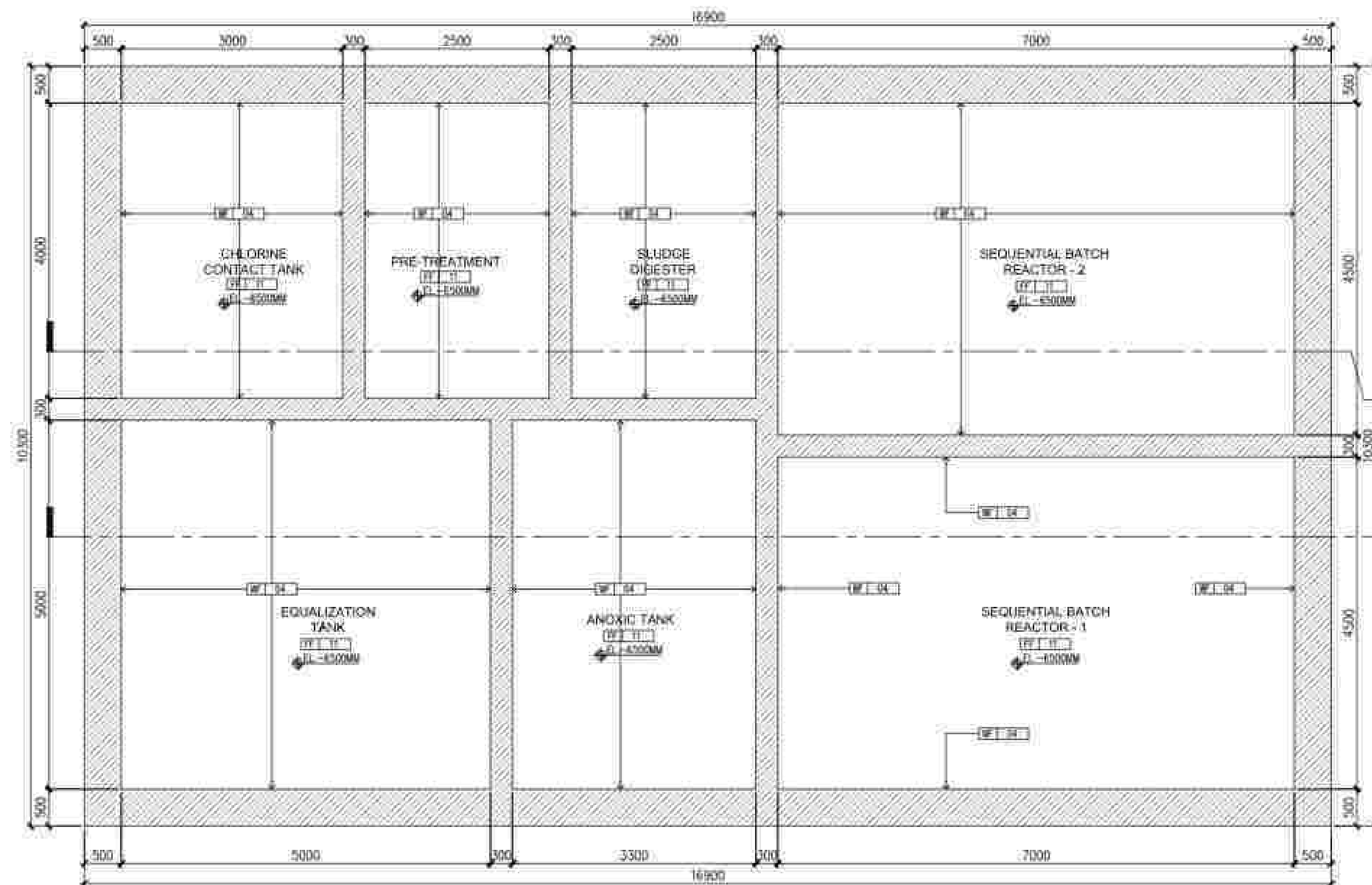


2
AN-3.00
SEWAGE TREATMENT PLANT ROOMS
UNDERGROUND FLOOR PLAN 01
SCALE 1:50M

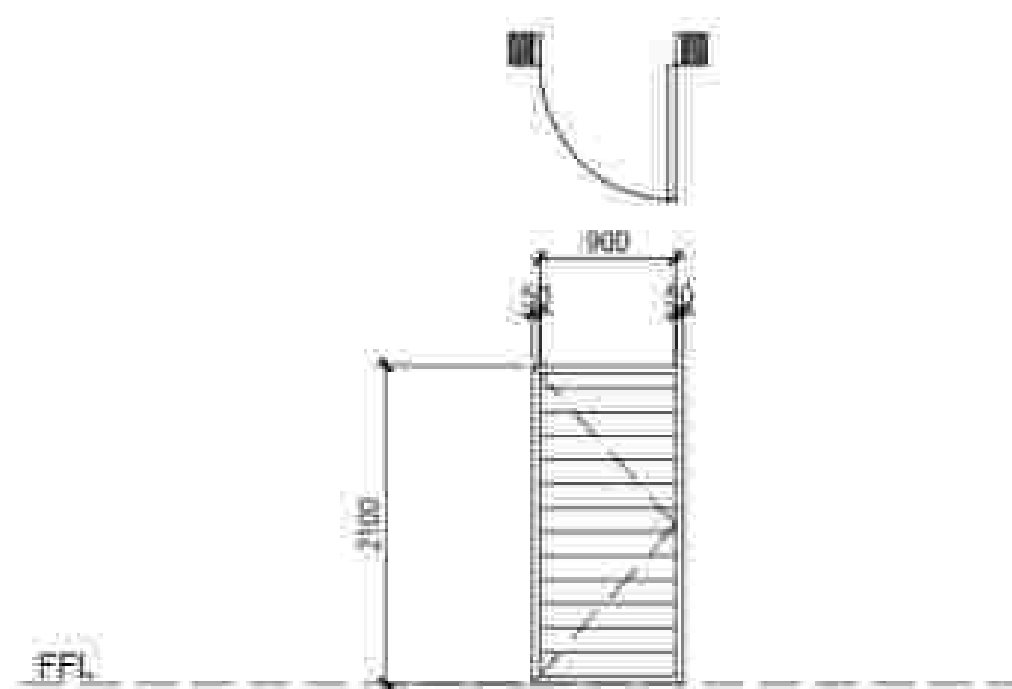


5
AN-3.00
SEWAGE TREATMENT PLANT
SECTION - 1
SCALE 1:50M



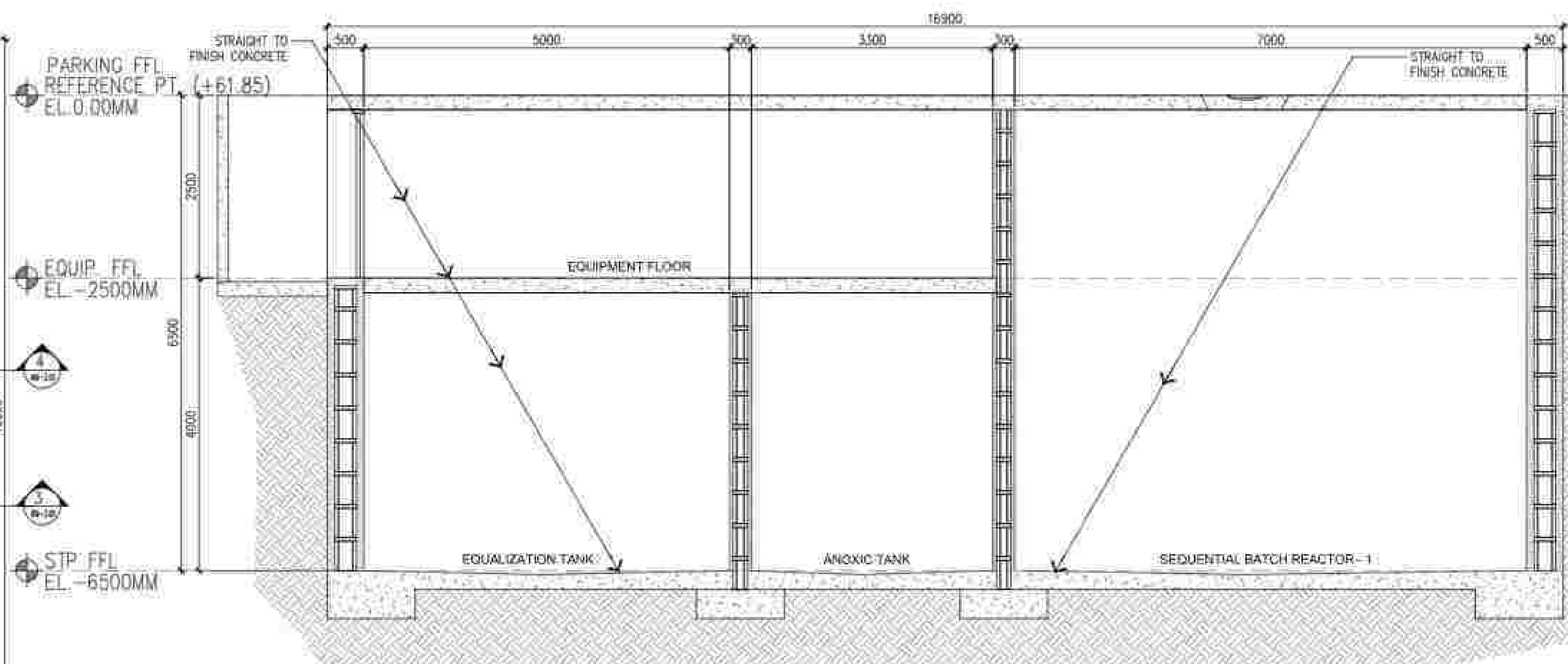


1 SEWAGE TREATMENT PLANT ROOMS
UNDERGROUND FLOOR PLAN 02
SCALE 1:50M

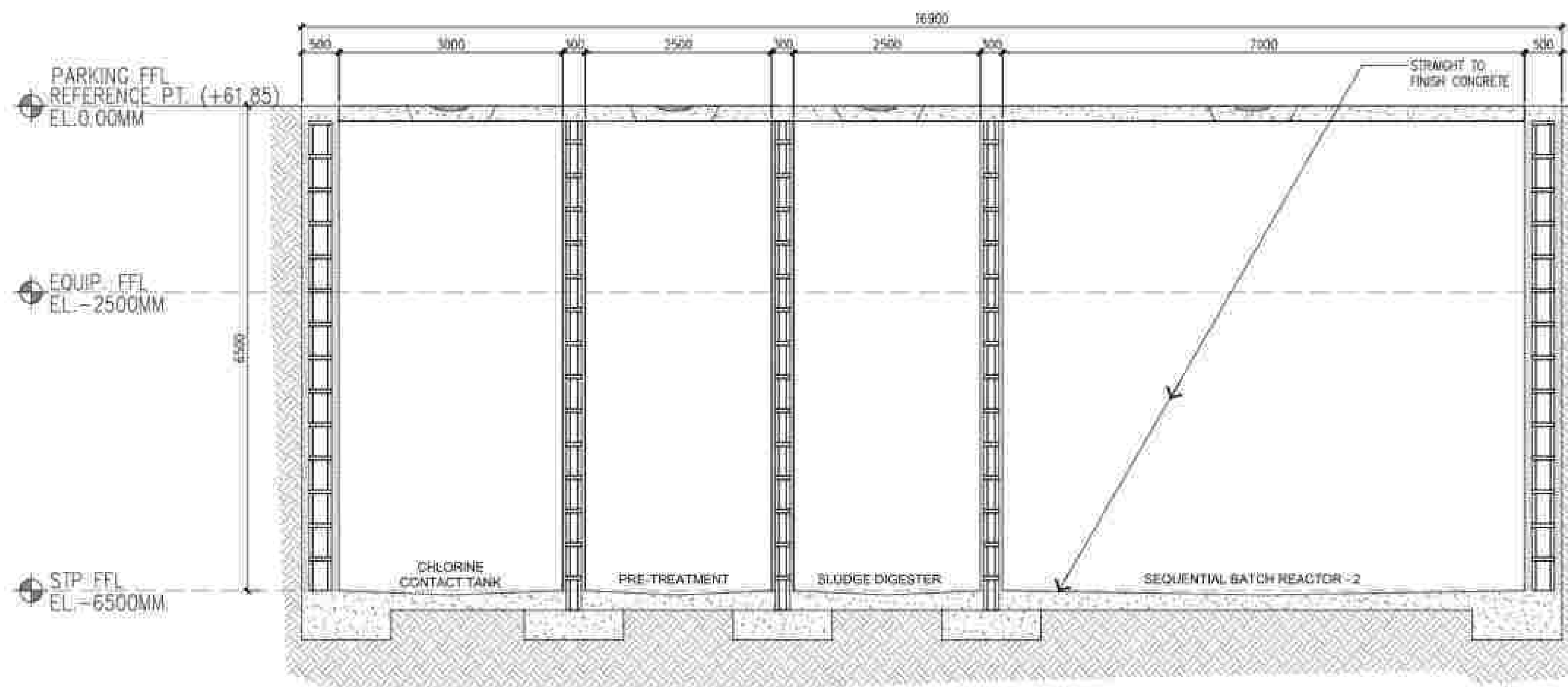


DESIGNATION	DUG
LOCATION	EQUIPMENT FLOOR
QUANTITY	1 SET REQUIRED
TYPE	SWING DOOR
FINISH	GAZZ METAL LOUVERED DOOR IN HOLLOW FRAME IN LAMAR-GRAY EPOXY PAINT
HARDWARE	HINGE: 3-HEAVY DUTY - BUTTERFLY HINGE LOCKSET: HEAVY DUTY DEADBOLT-LOCK HANDLE: N/A KNOB: GAZZ SINGLE HARBET ACCESSORIES: N/A

2 SEWAGE TREATMENT PLANT ROOMS
DOOR SCHEDULE
SCALE 1:50M



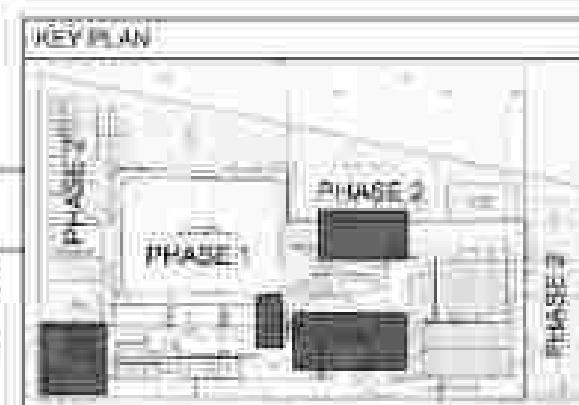
3 SEWAGE TREATMENT PLANT
SECTION - 1
SCALE 1:50M

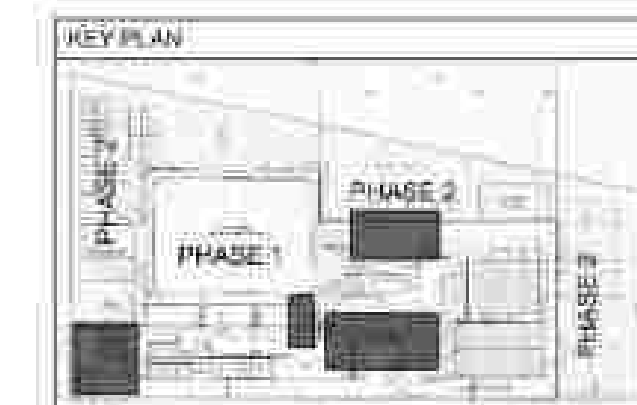
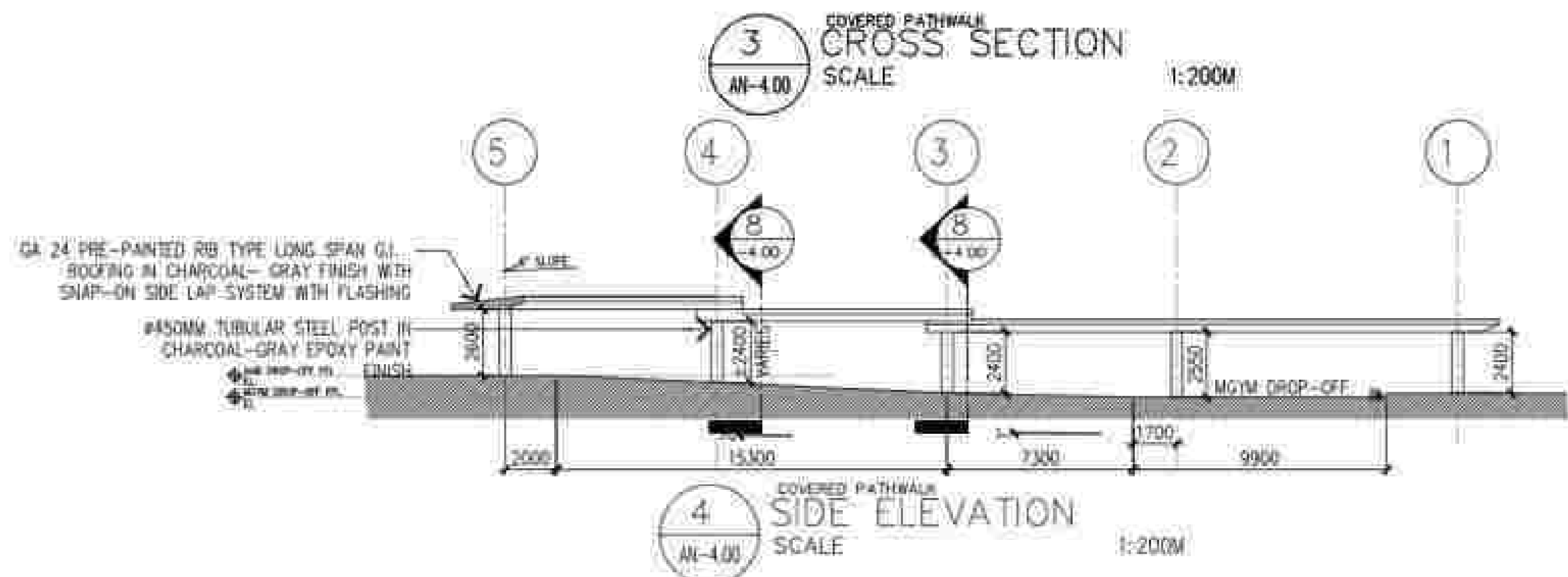
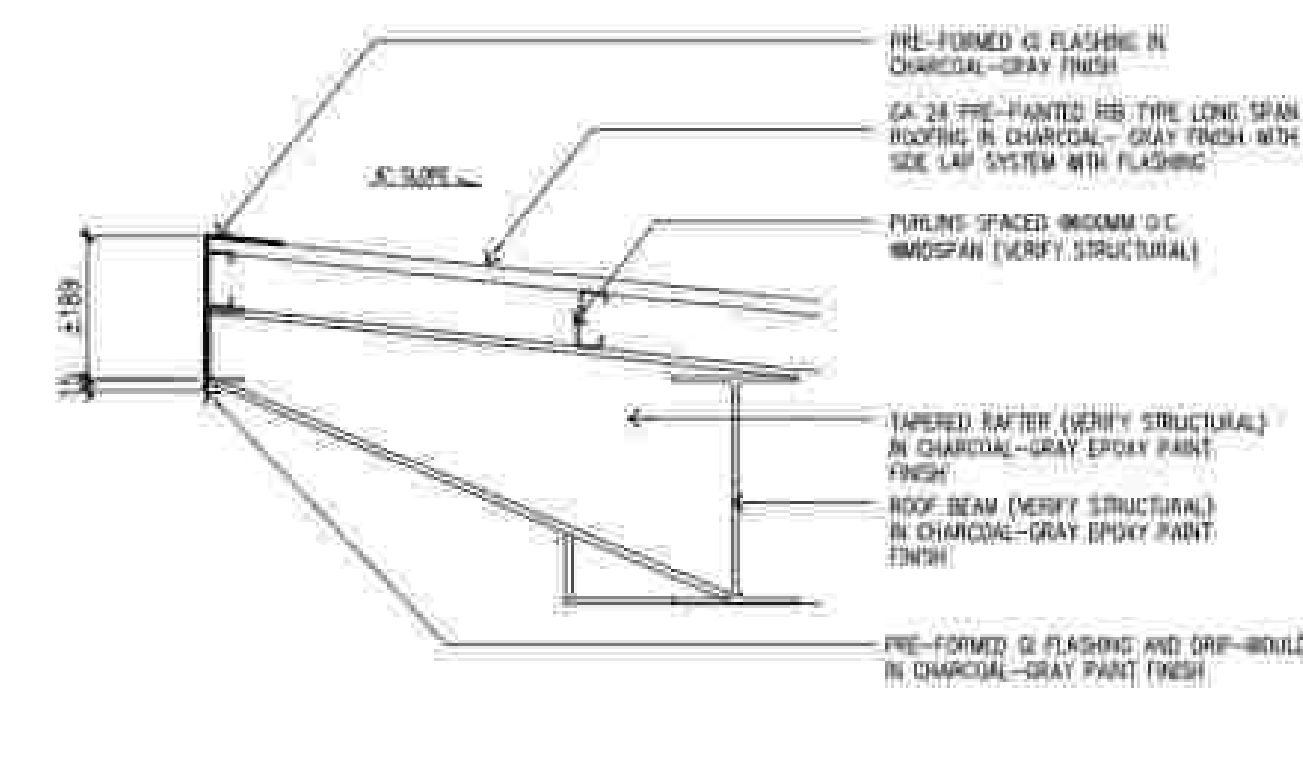
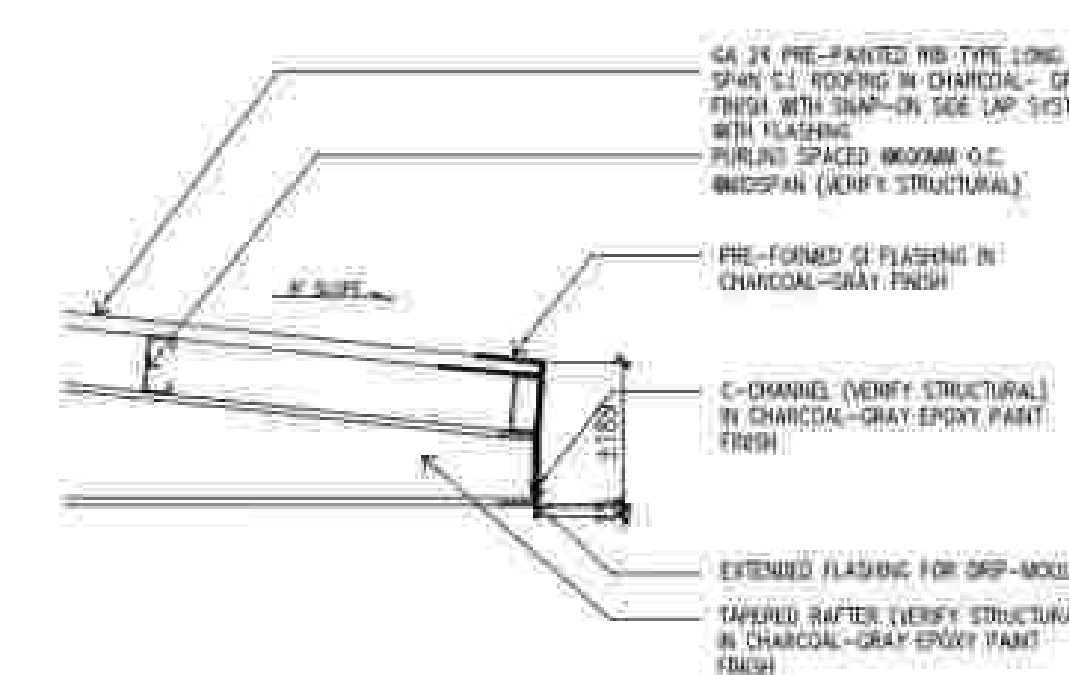
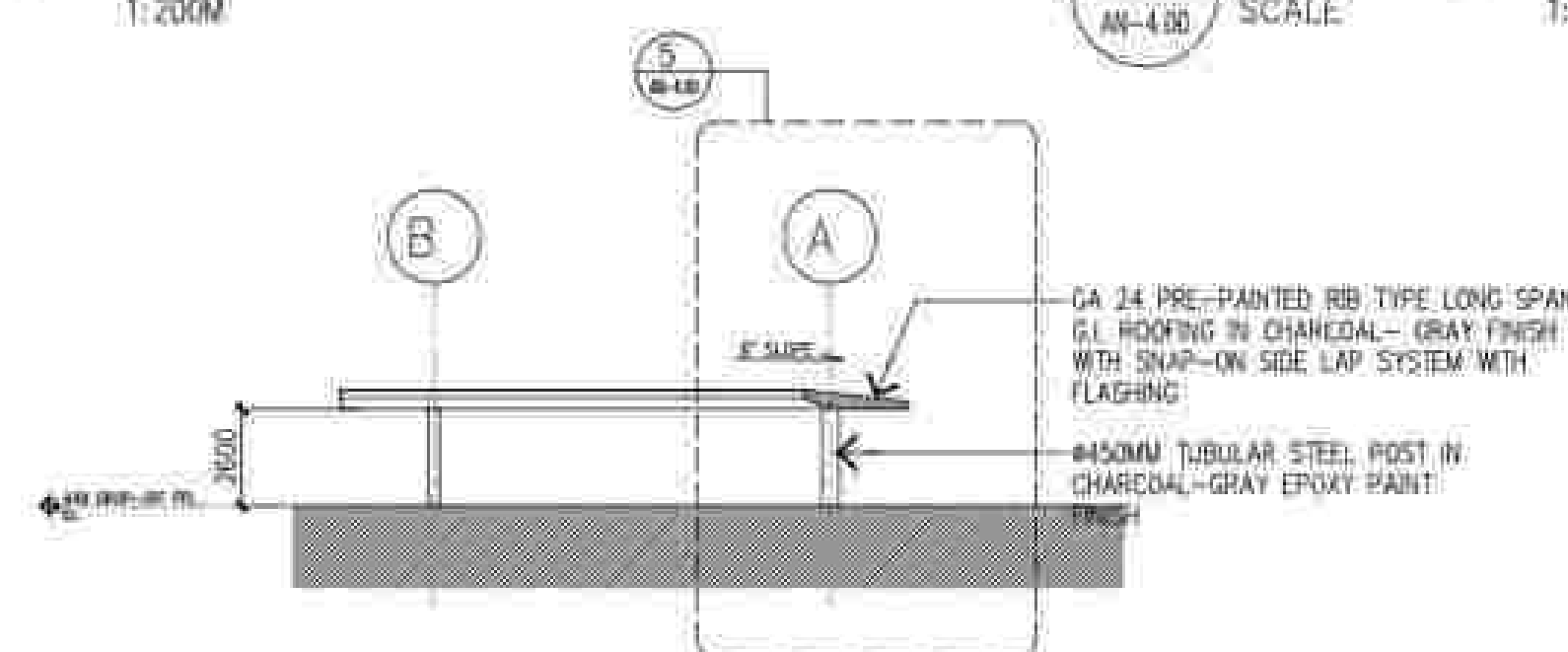
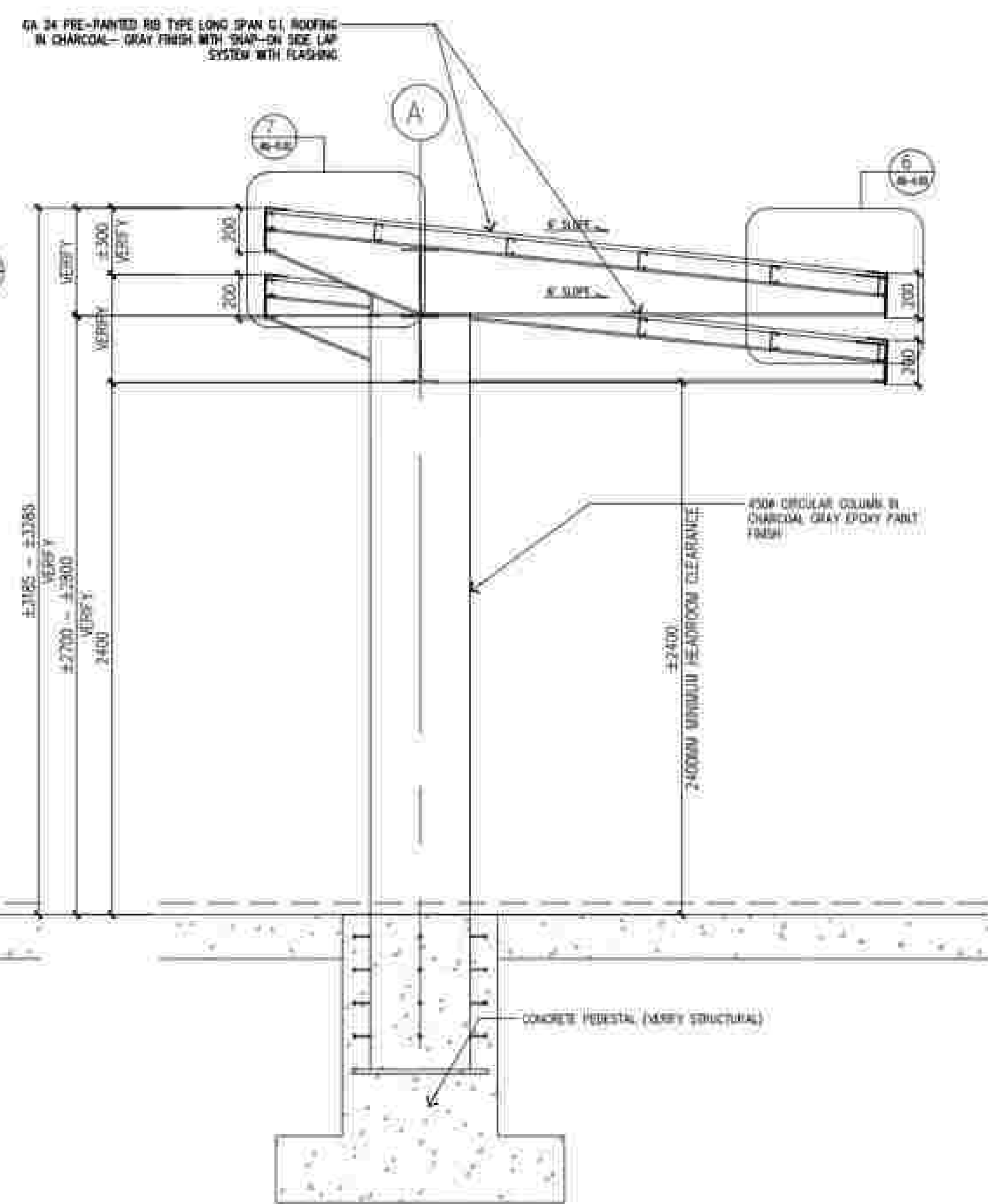
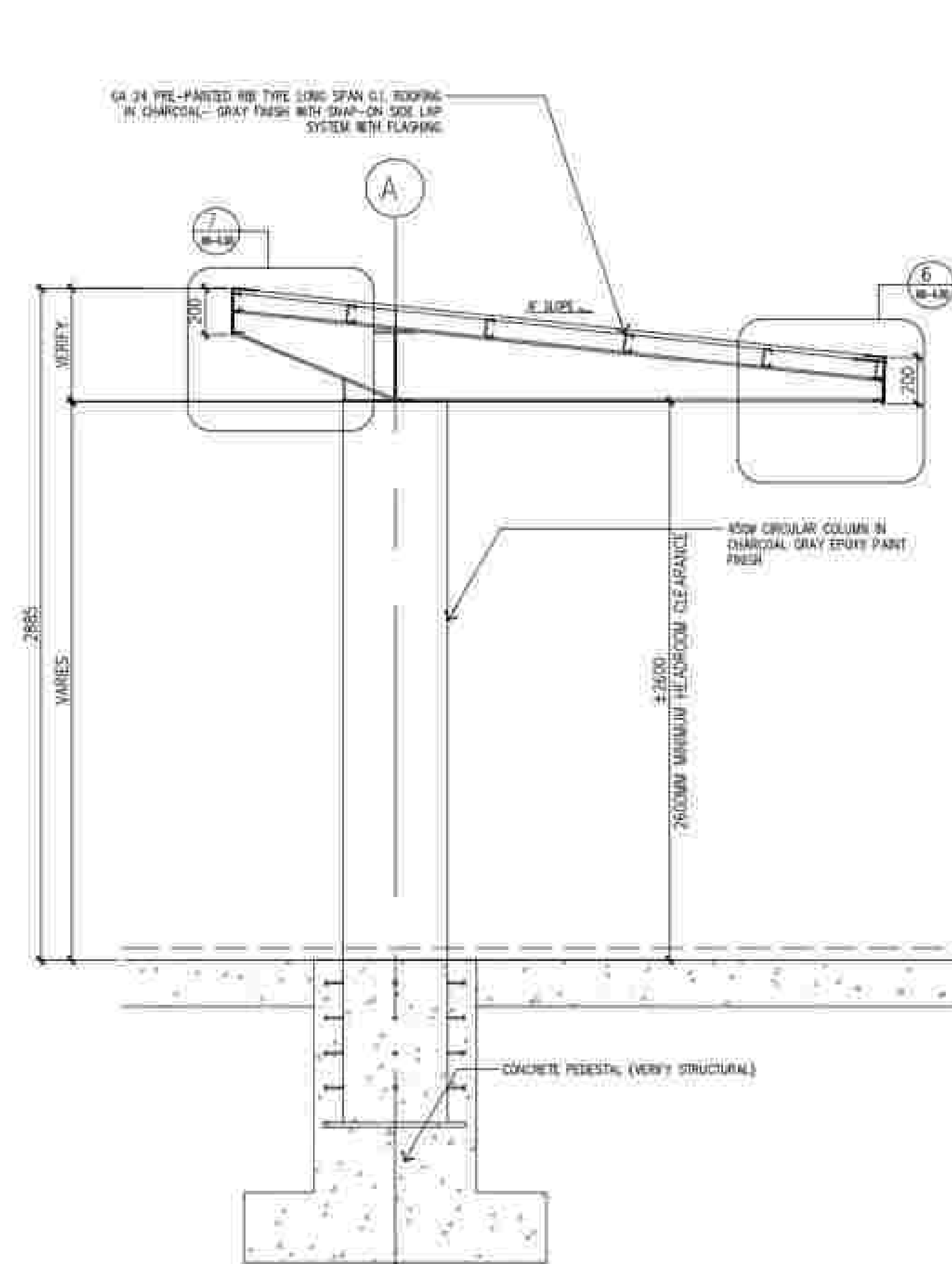
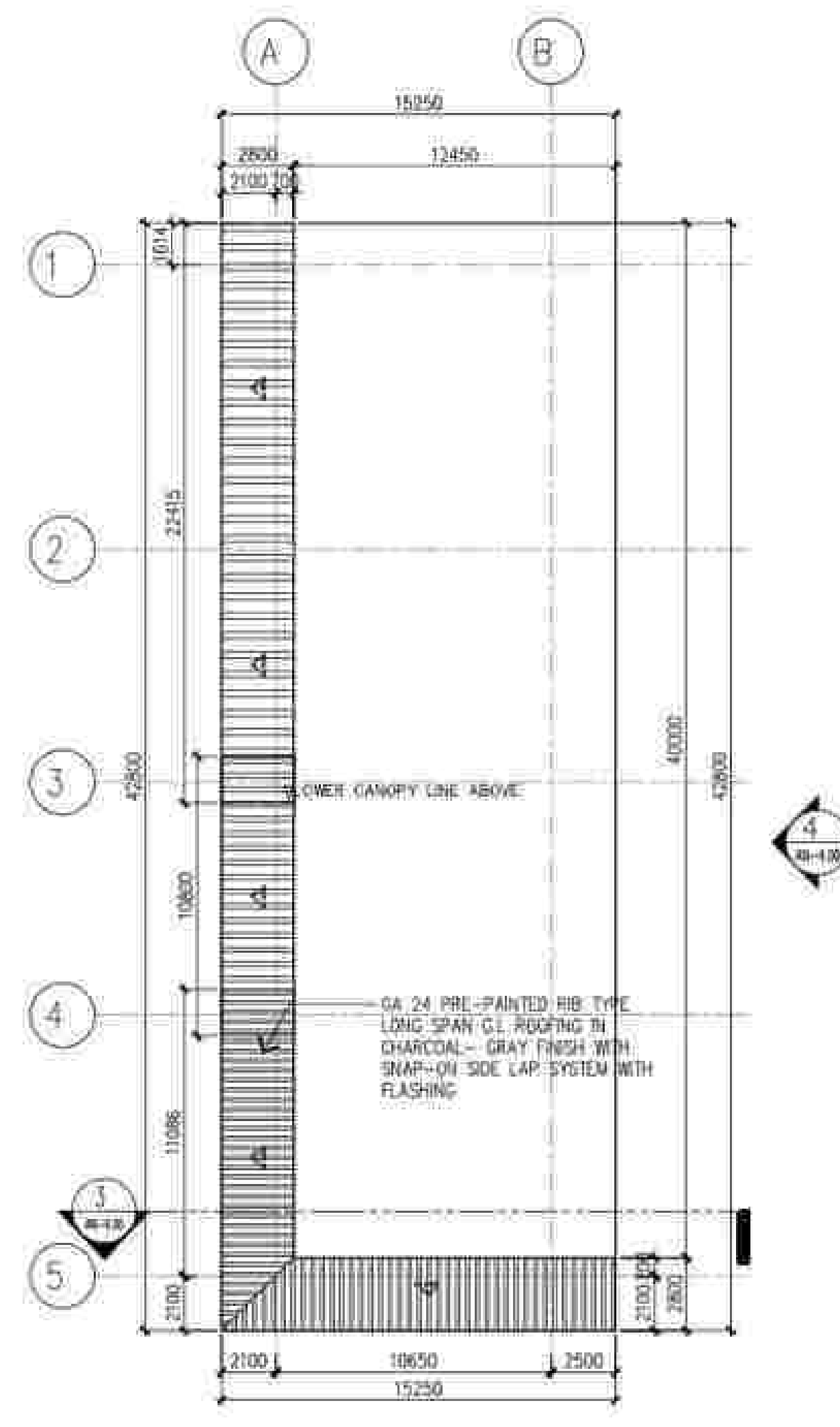
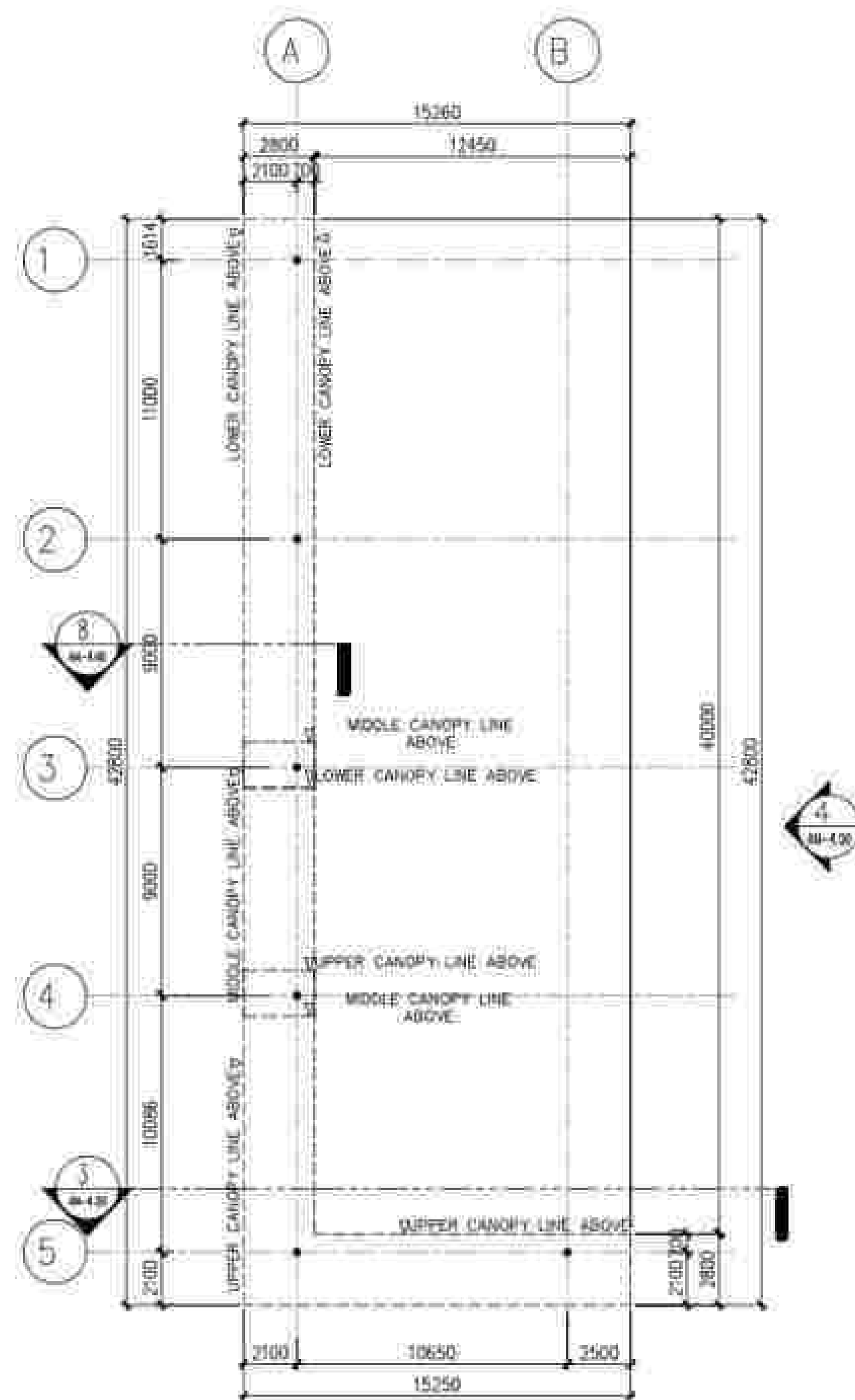


4 SEWAGE TREATMENT PLANT
SECTION - 2
SCALE 1:50M

LEGEND

FF T1	STRAIGHT TO FINISH CONCRETE	CF D2	PLAIN CEMENT FINISH		200MM THK. CMU WITH PLASTER FINISH
WF D1	LAHAR-GRAY ACRYLIC-BASED SKIM COAT IN VENETIAN FINISH	RF D1	EXPOSED ROOF FRAMING IN CHARCOAL-GRAY EPOXY PAINT FINISH		150MM THK. CMU WITH PLASTER FINISH
WF D4	PLAIN CEMENT FINISH				REINFORCED CONCRETE WALL





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