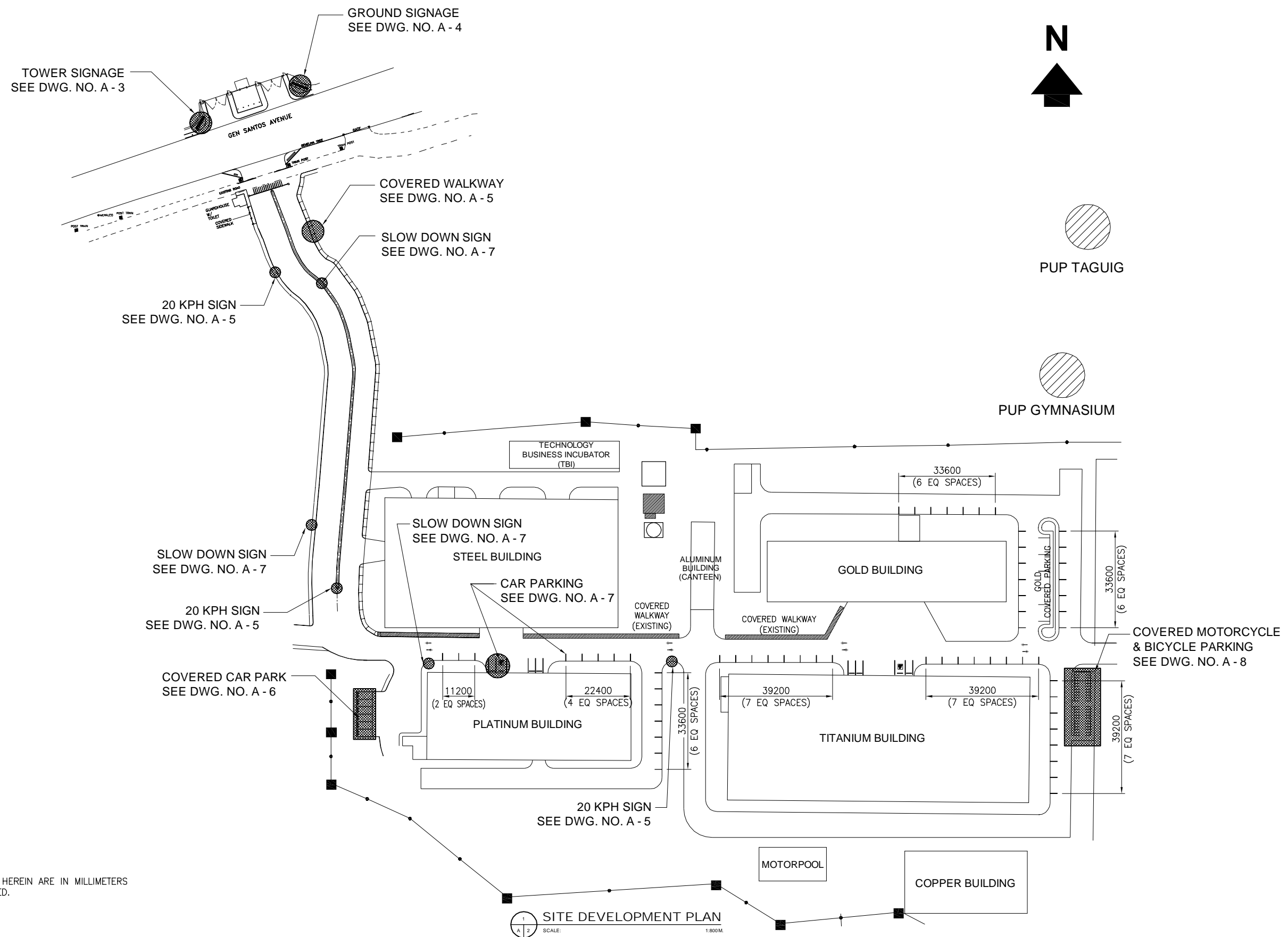


VICINITY MAP

TABLE OF CONTENTS		REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
DWG NO	SHEET CONTENTS	OFFICE OF THE BUILDING OFFICIAL
		<u>TAGUIG CITY</u>
	ARCHITECTURAL	
A - 1	TABLE OF CONTENTS PERSPECTIVES & VICINITY MAP	
A - 2	SITE DEVELOPMENT PLAN	
A - 3	NORTH GATE TOWER SIGNAGE FLOOR PLAN, FRONT & RIGHT SIDE ELEVATIONS	
A - 4	NORTH GATE GROUND SIGNAGE PLAN, FRONT, LEFT SIDE ELEVATIONS & DETAILS	<u>LAND USE AND ZONING</u>
A - 5	COVERED WALKWAY FLOOR, ROOF PLAN, FRONT ELEVATION & SECTION "A"	
A - 6	COVERED CAR PARK FLOOR, ROOF PLAN, FRONT & REAR ELEVATIONS	
A - 7	COVERED CAR PARK LEFT SIDE RIGHT SIDE ELEVATIONS & SECTION "A"	<u>LINE AND GRADE</u>
A - 8	OPEN PARKING PLAN & TYPICAL DETAILS	
A - 9	COVERED MOTORCYCLE PARKING FLOOR, ROOF PLAN, RIGHT SIDE & LEFT SIDE ELEVATION	
A - 10	COVERED MOTORCYCLE PARKING FRONT, REAR ELEVATION, SECTION "A" & "B"	
	STRUCTURAL	<u>ARCHITECTURAL</u>
S - 1	GENERAL NOTES, MASONRY WALL & TYPICAL SLAB/BEAM DETAILS	
S - 2	NORTH GATE TOWER SIGNAGE COMBINE FOOTING PLAN DETAILS & SECTION THRU "A" & "B"	
S - 3	NORTH GATE GROUND SIGNAGE FRONT & RIGHT SIDE ELEVATIONS, FOOTING & BASE PLATE DETAILS	
S - 4	COVERED WALKWAY FOUNDATION, ROOF FRAMING PLAN, FOOTING & BASE PLATE DETAILS	<u>STRUCTURAL</u>
S - 5	COVERED WALKWAY FRONT ELEVATION, SECTION "A" & DETAIL 1	
S - 6	COVERED CAR PARK FOUNDATION & ROOF FRAMING PLAN & DETAILS	
S - 7	COVERED CAR PARK SECTION "A" & "B"	
S - 8	COVERED MOTORCYCLE PARKING FOUNDATION PLAN & ROOF FRAMING PLAN	<u>SANITARY</u>
S - 9	COVERED MOTORCYCLE PARKING ELEVATION, TRUSS & STRUT & FOOTING DETAILS	
	ELECTRICAL	
E - 1	COVERED WALKWAY LIGHTING LAYOUT, NOTES & LEGEND	
E - 2	COVERED CAR PARK LIGHTING LAYOUT, NOTES & LEGEND	<u>ELECTRICAL</u>
E - 3	COVERED MOTORCYCLE PARKING LIGHTING LAYOUT, NOTES & LEGEND	
		<u>MECHANICAL</u>



NOTES:

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URL: www.gibma.com E-mail: gibma2003@yahoo.com

CIVIL / STRUCTURAL ENGINEER :

GILBERT B. MAGBUTAY

REG. NO.: 055251

PTR NO.: 2321899

DATE: AUG. 1, 1989

ISSUED ON: JAN. 4, 2017

TIN: 106-459-911

ISSUED AT: PASIG CITY

PROJECT TITLE :

PROPOSED COVERED WALKWAY, PARKING
AND DOST NORTH GATE SIGNAGE

LOCATION:

OWNER :

METAL INDUSTRY RESEARCH AND
DEVELOPMENT CENTER (MIRDC)

ADDRESS:

DATE :

REVISION :

DESCRIPTION:

DESIGNED BY :

CADD BY: RHV

DATE:

CHECKED BY:

APPROVED BY:

DATE:

SHEET CONTENTS :

SIGNAGE, COVERED WALKWAY & PARKING

SITE DEVELOPMENT PLAN

DRAWING NO. :

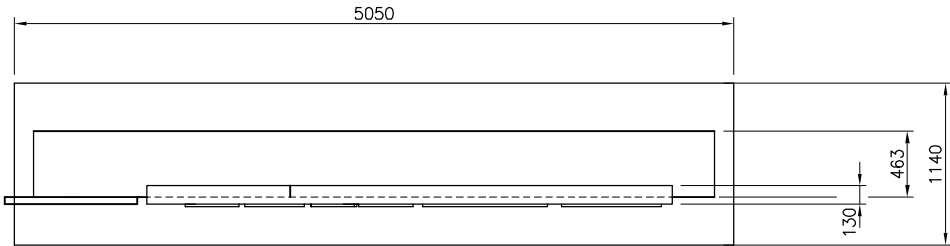
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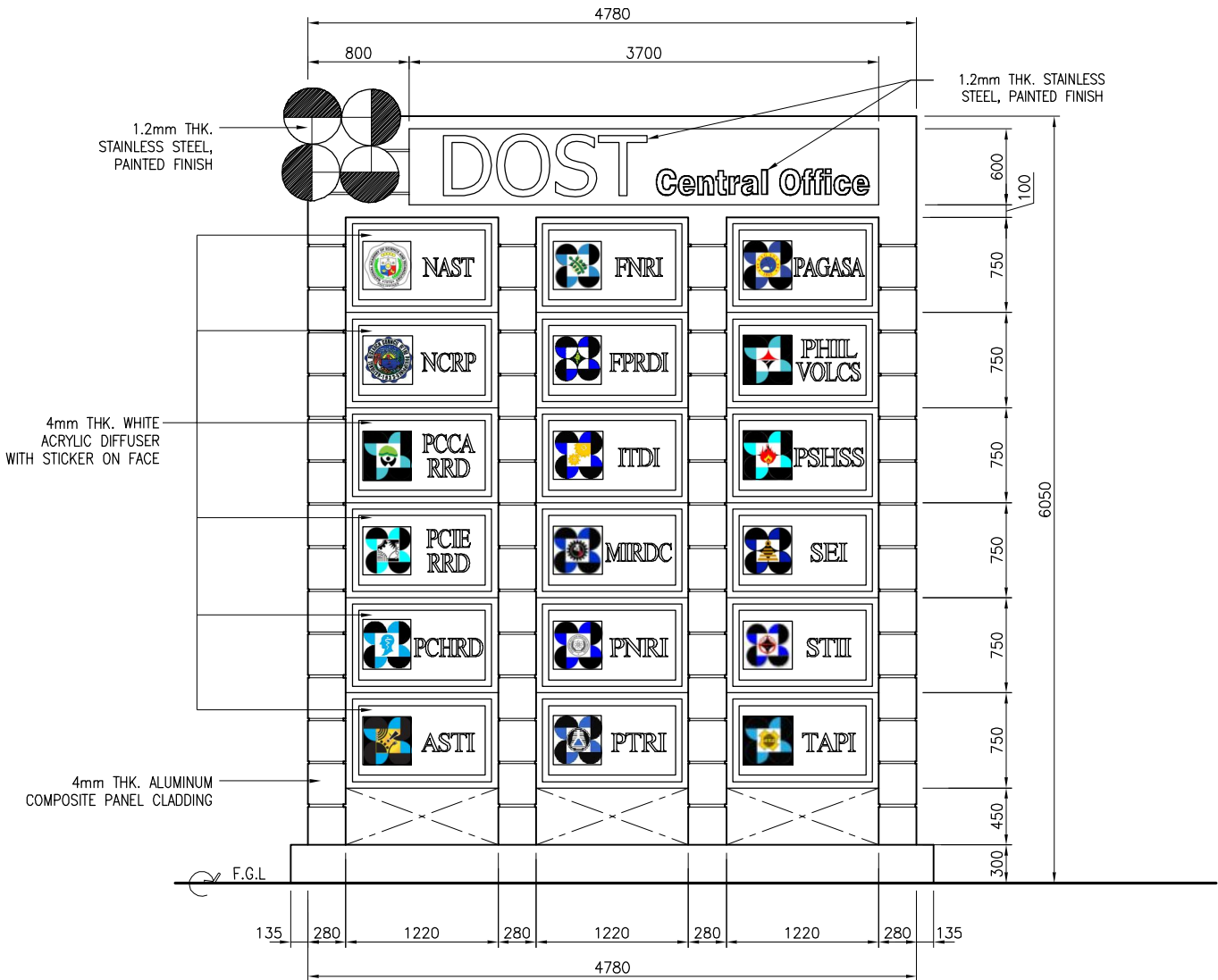
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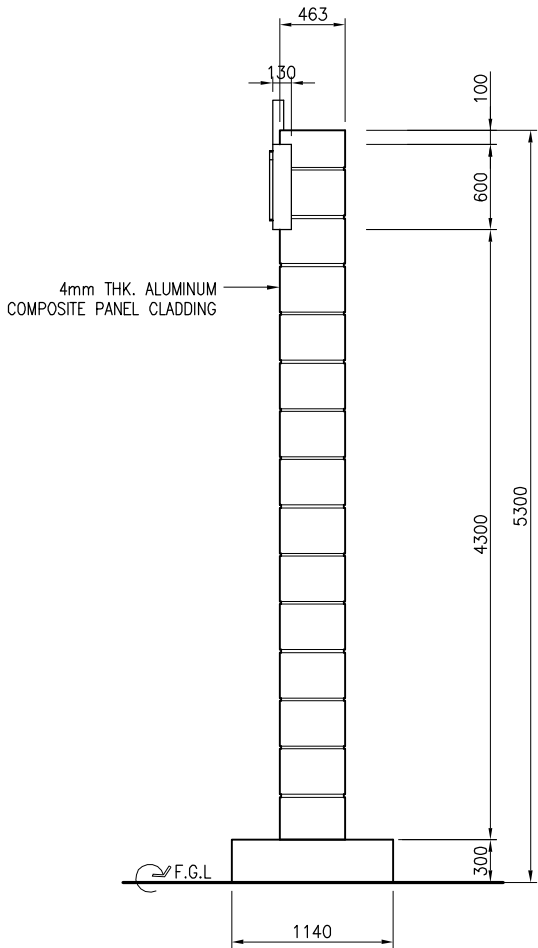
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4. ALL SHOP DRAWINGS, SAMPLES CATALOG CUTS, ETC. ARE TO BE APPROVED BY THE ARCHITECT BEFORE THE FINAL EXECUTION.



1 PLAN
A 3 SCALE: 1:30 M.



2 FRONT ELEVATION
A 3 SCALE: 1:30 M.



3 RIGHT SIDE ELEVATION
A 3 SCALE: 1:30 M.



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DATE :

REVISION :

DESCRIPTION:

DESIGNED BY :

.

SHEET CONTENTS :

TOWER SIGNAGE

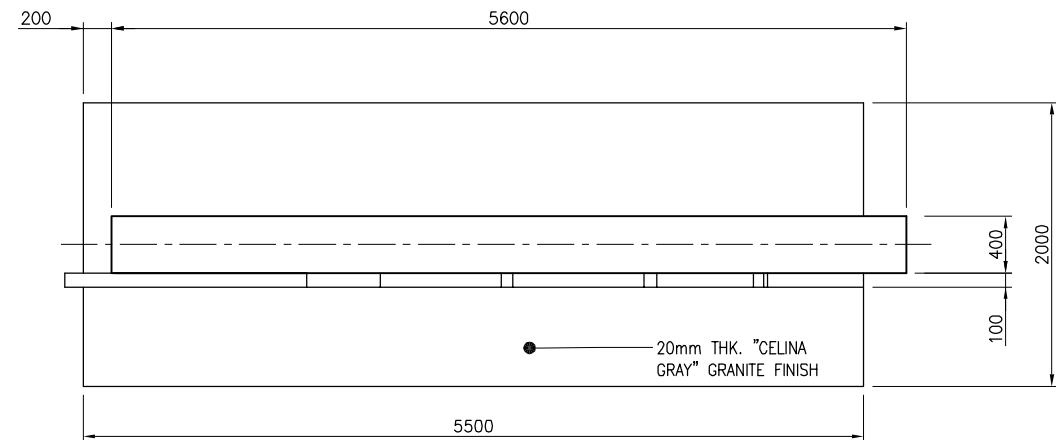
PLAN
FRONT ELEVATION
RIGHT SIDE ELEVATION

DRAWING NO. :

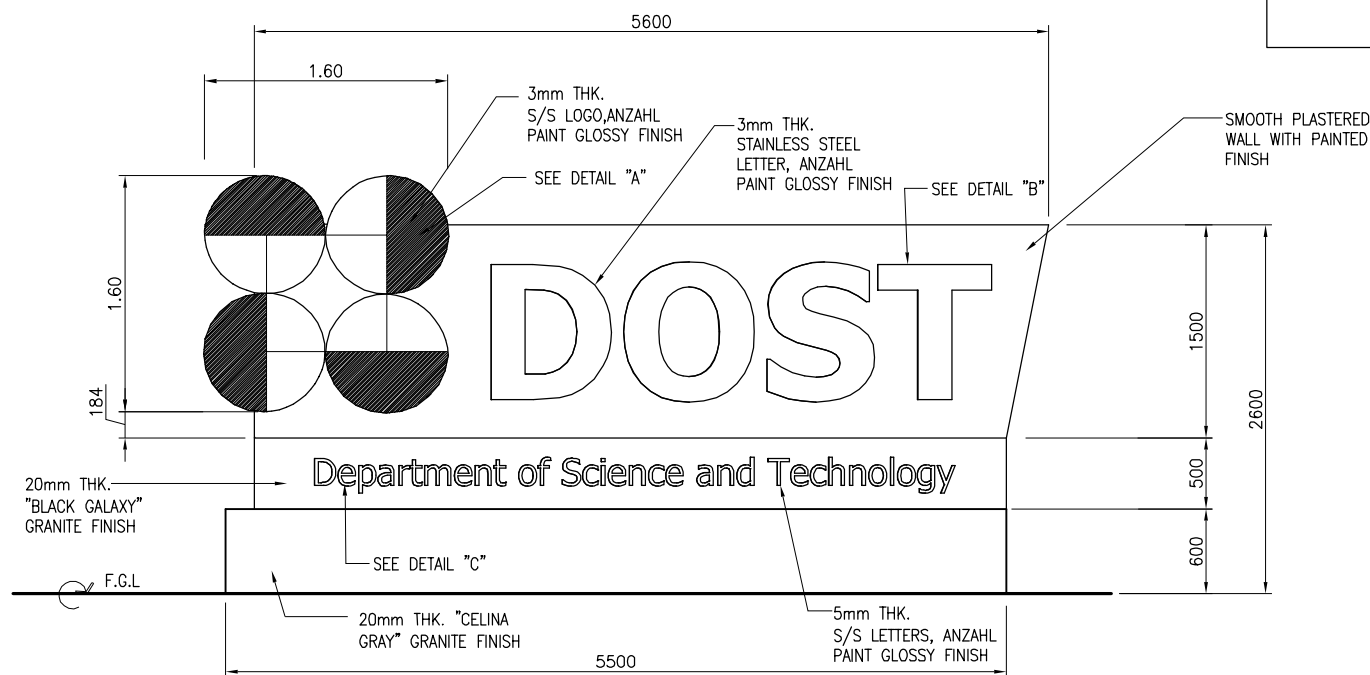
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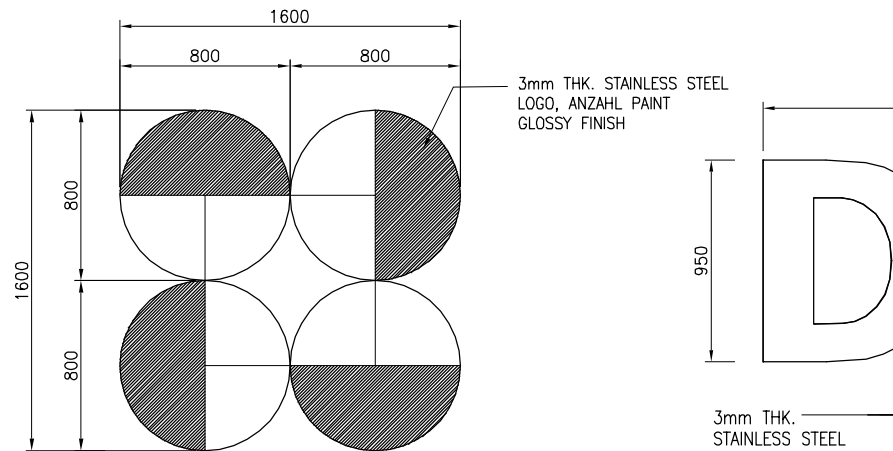
3 / 22



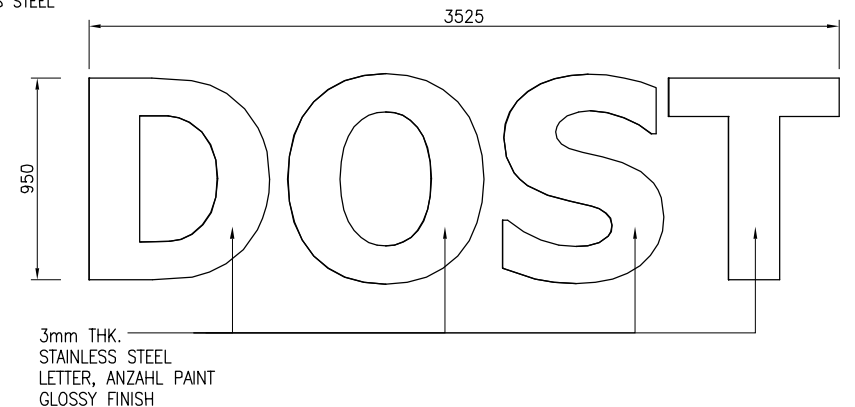
1 PLAN
SCALE: 1:30 M.



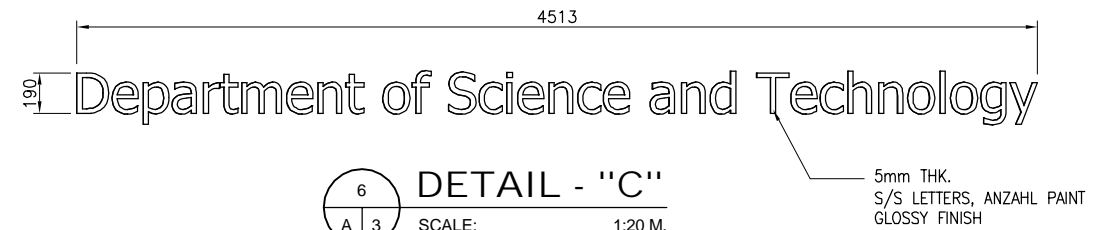
2 FRONT ELEVATION
SCALE: 1:30 M.



4 DETAIL - "A"
SCALE: 1:20 M.



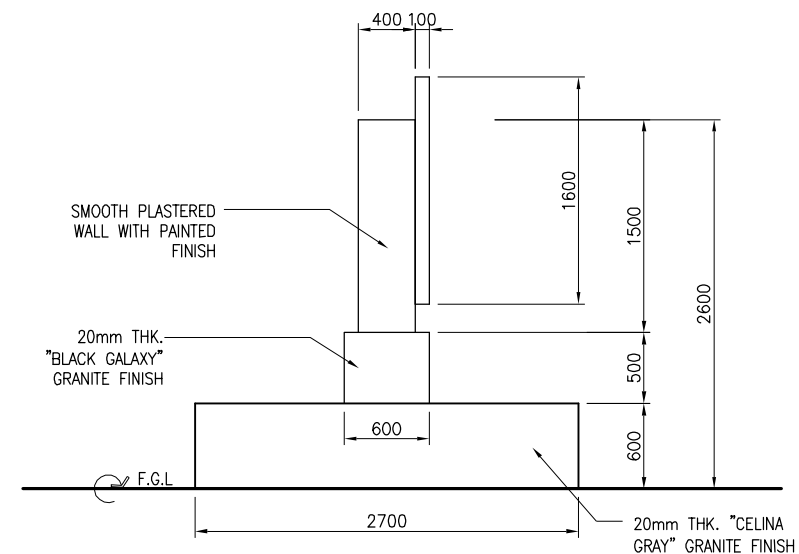
5 DETAIL - "B"
SCALE: 1:20 M.



6 DETAIL - "C"
SCALE: 1:20 M.

NOTES:

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3 LEFT SIDE ELEVATION
SCALE: 1:30 M.

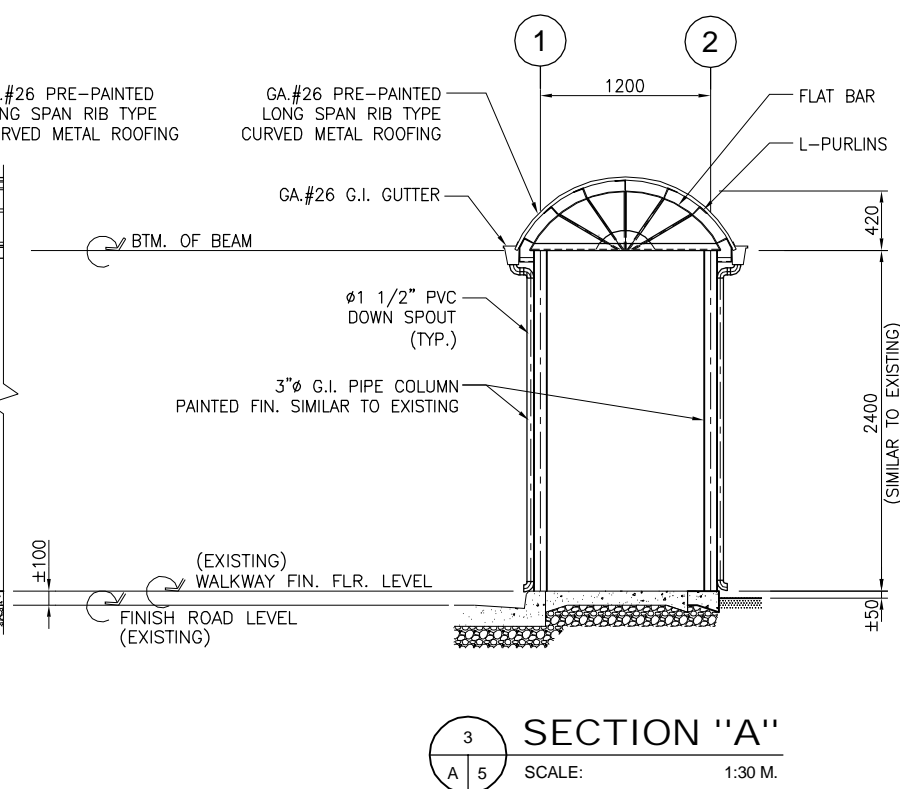
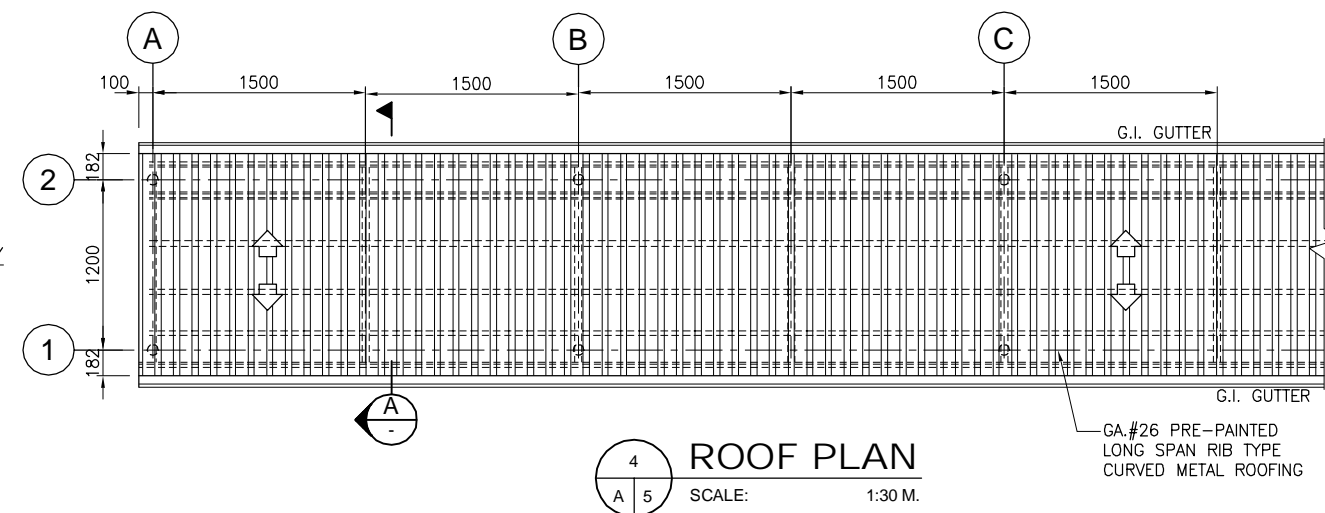


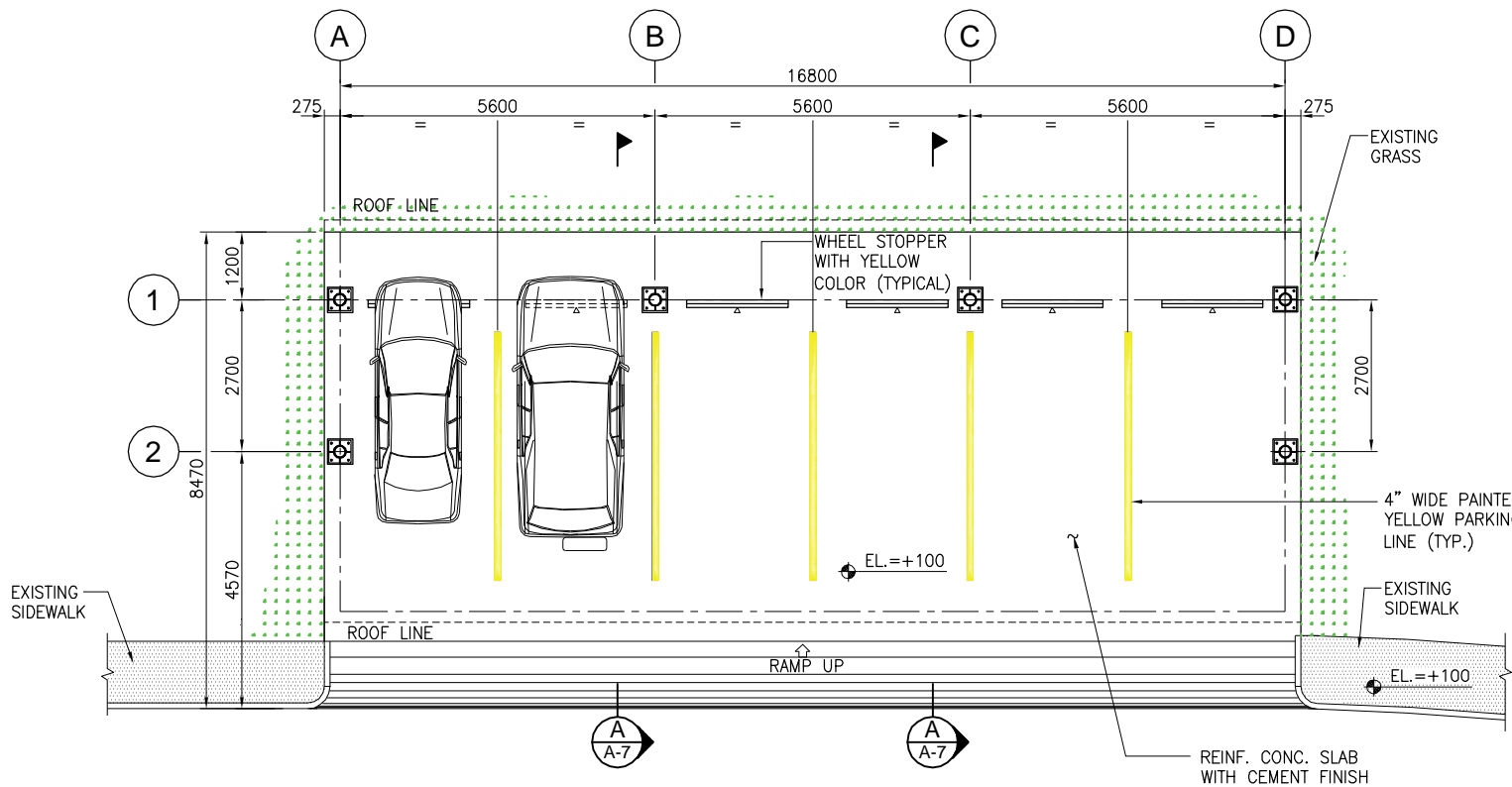
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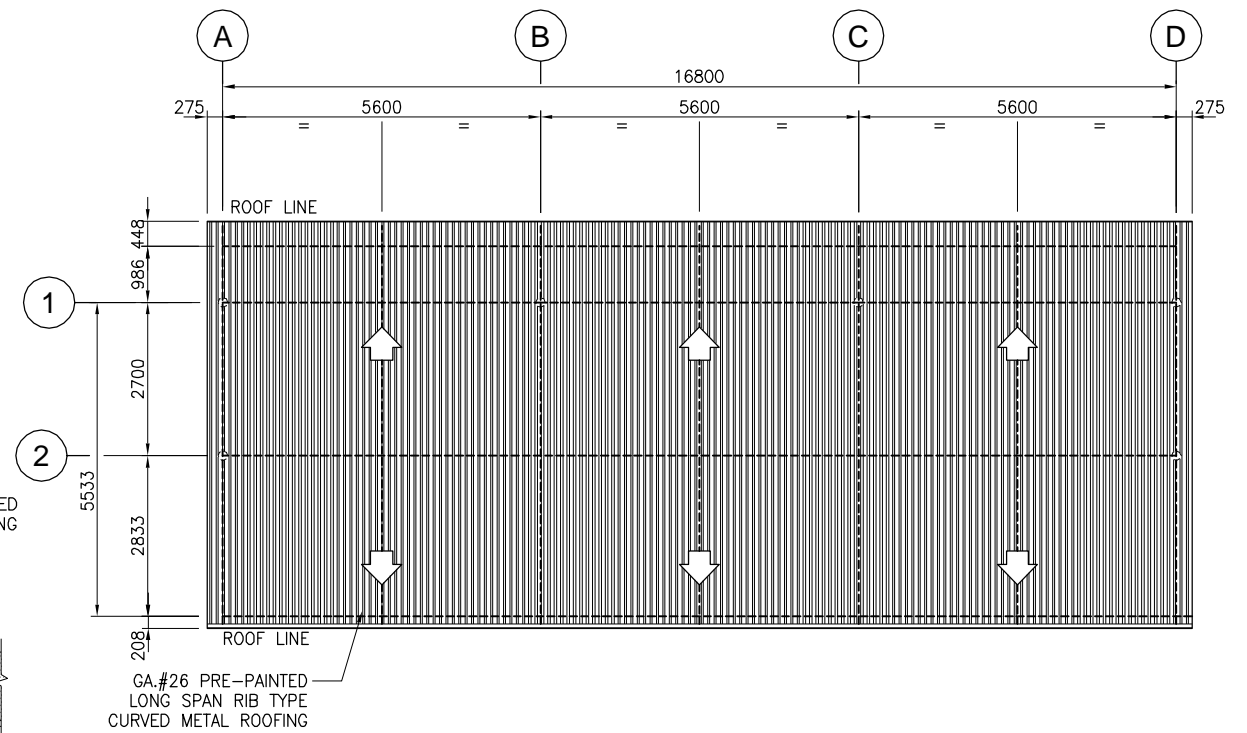
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GILBERT B. MAGBUTAY		PROPOSED COVERED WALKWAY, PARKING AND DOST NORTH GATE SIGNAGE	METAL INDUSTRY RESEARCH AND DEVELOPMENT CENTER (MIRDC)				CADD BY :	RHV	GROUND SIGNAGE	A - 4
REG. NO. :	055251	PTR NO. :	2321899				DATE :			SHEET NO. :
DATE :	AUG. 1, 1989	ISSUED ON :	JAN. 4, 2017	LOCATION :	ADDRESS :		CHECKED BY :	GBM	PLAN & DETAILS FRONT ELEVATION LEFT SIDE ELEVATION	4 / 22
TIN :	106-459-911	ISSUED AT :	PASIG CITY	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA		APPROVED BY :			
							DATE :			

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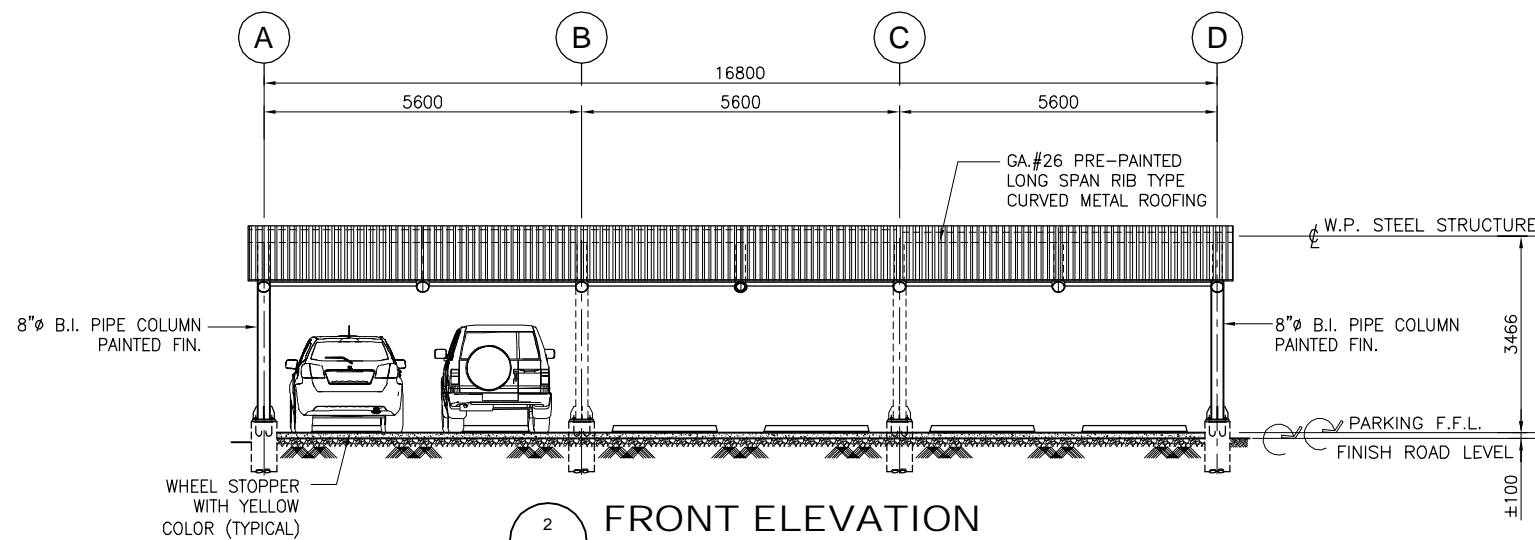




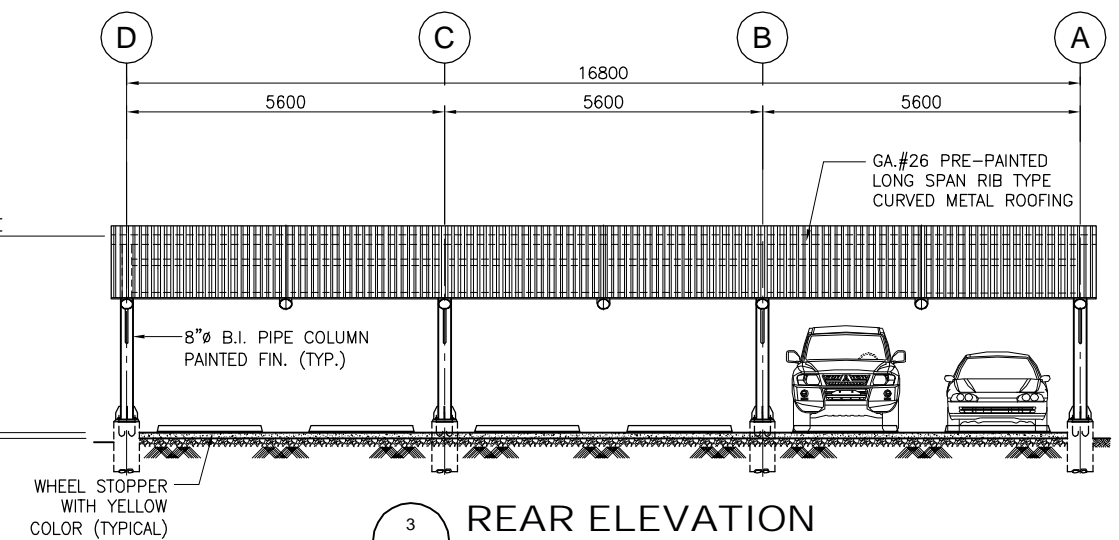
1 FLOOR PLAN
SCALE: 1:75 M.



4 ROOF PLAN
SCALE: 1:75 M.



2 FRONT ELEVATION
SCALE: 1:75 M.



3 REAR ELEVATION
SCALE: 1:75 M.

NOTES:

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URL: www.gibma.com E-mail: gibma2003@yahoo.com

CIVIL / STRUCTURAL ENGINEER :

GILBERT B. MAGBUTAY

REG. NO.: 055251 PTR NO.: 2321899

DATE: AUG. 1, 1989 ISSUED ON: JAN. 4, 2017

TIN: 106-459-911 ISSUED AT: PASIG CITY

PROJECT TITLE :

PROPOSED COVERED WALKWAY, PARKING
AND DOST NORTH GATE SIGNAGE

LOCATION :

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

OWNER :

METAL INDUSTRY RESEARCH AND
DEVELOPMENT CENTER (MIRDC)

ADDRESS :

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

DATE :

REVISION :

DESCRIPTION :

DESIGNED BY :

CADD BY: RHV

DATE :

CHECKED BY: GBM

APPROVED BY :

DATE :

SHEET CONTENTS :

COVERED CAR PARK

FLOOR PLAN
FRONT ELEVATION
REAR ELEVATION
ROOF PLAN

DRAWING NO. :

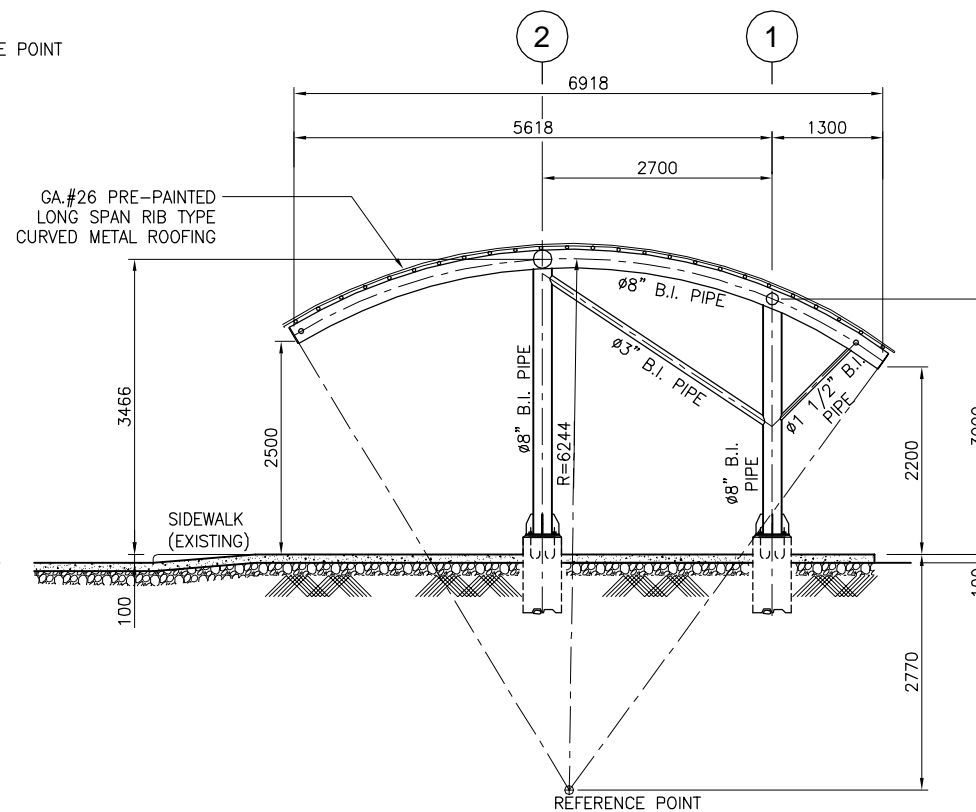
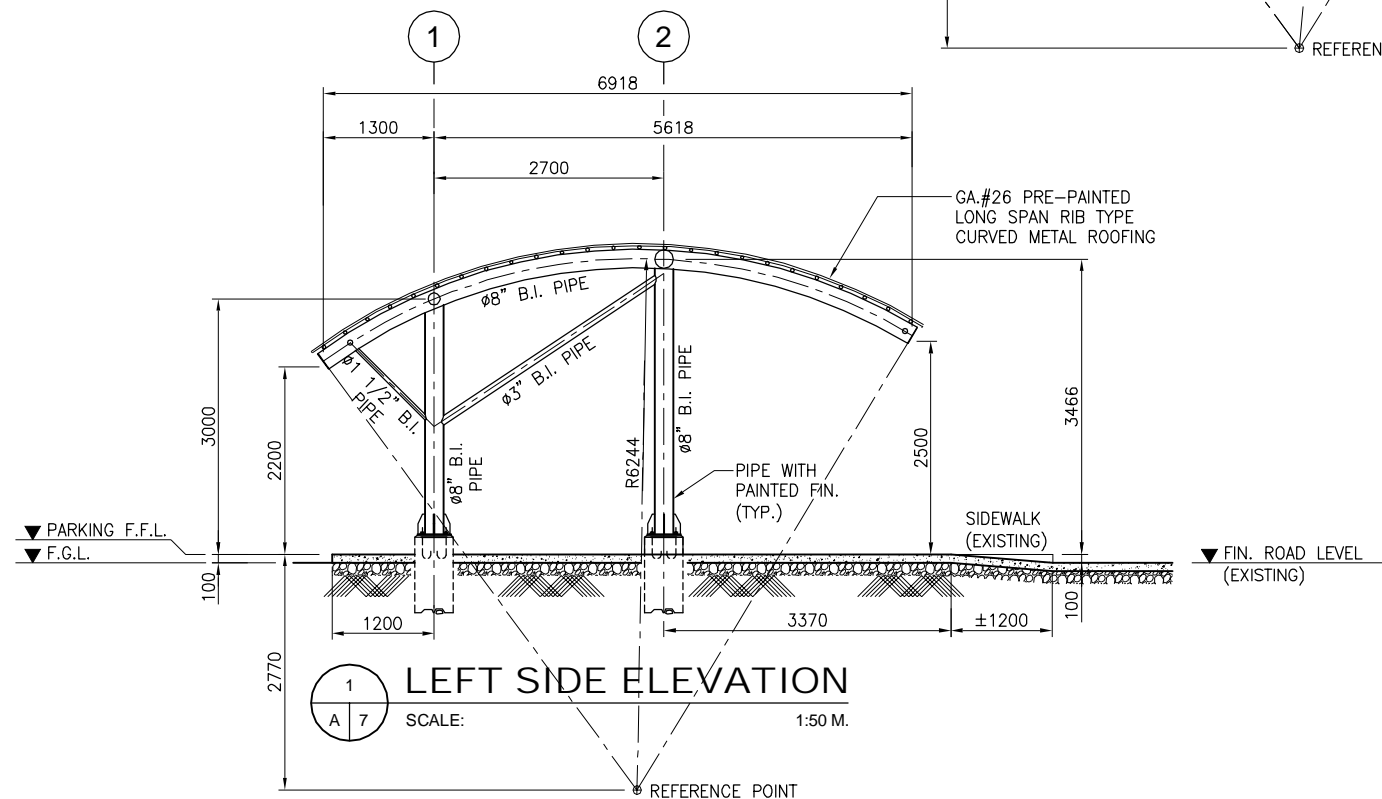
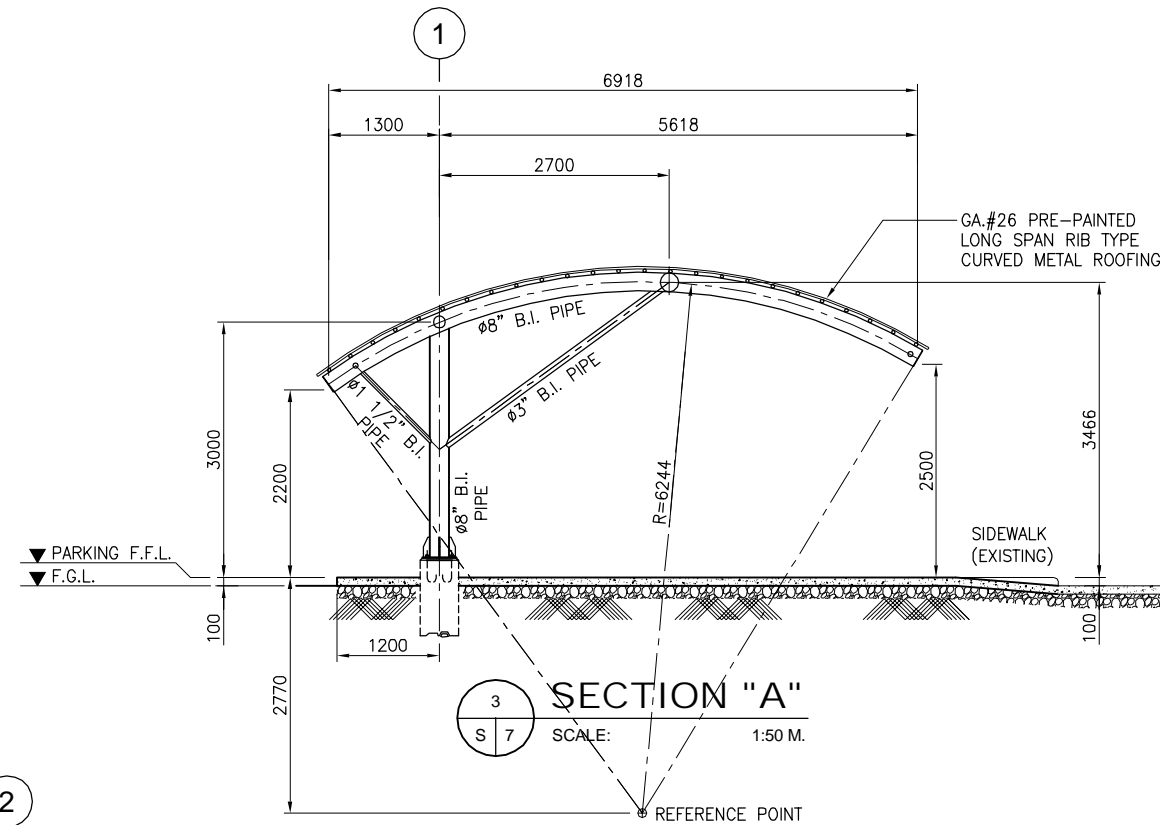
A - 6

SHEET NO. :

6 / 22

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2. FOR PLAN & ELEVATIONS, REFER TO DRAWING NO. A-6.

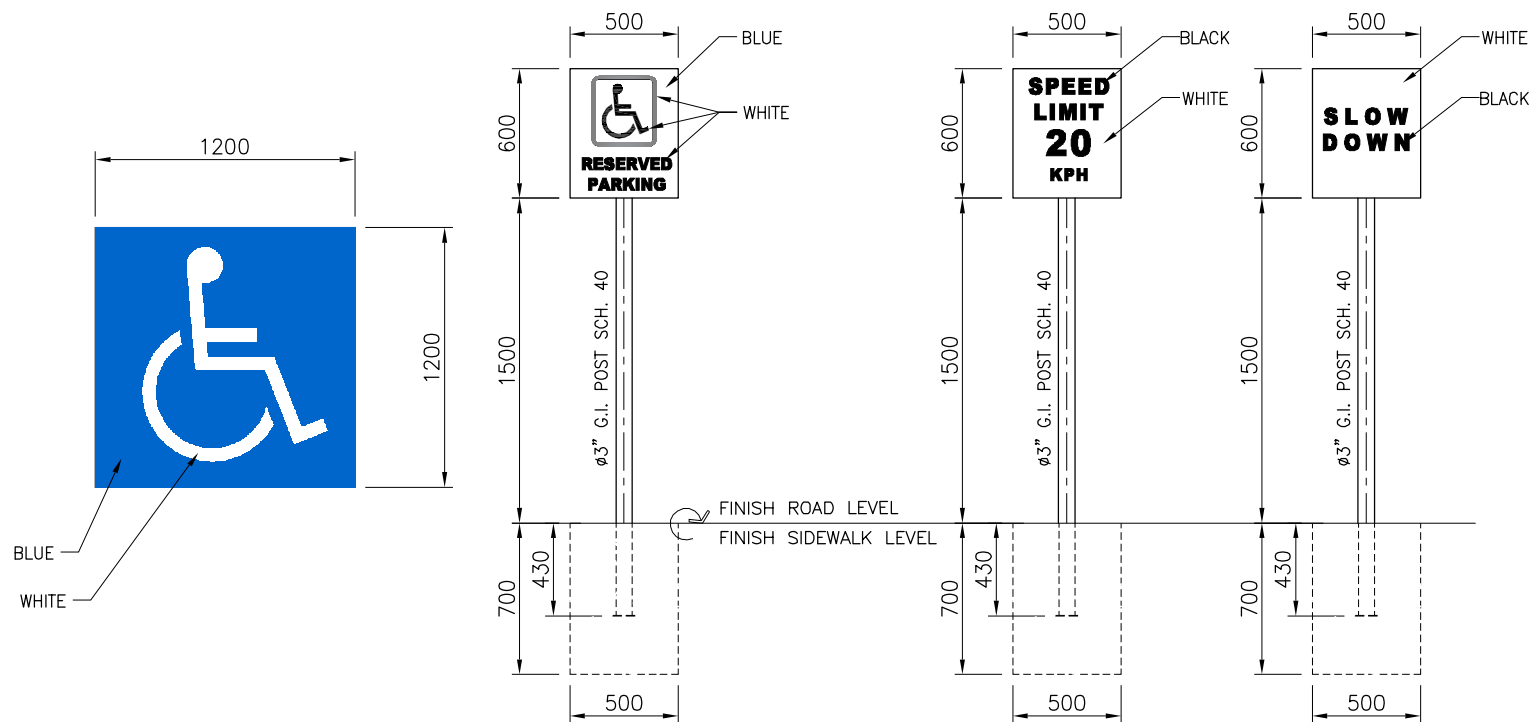


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URL: www.gibma.com E-mail: gibma2003@yahoo.com

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GILBERT B. MAGBUTAY		PROPOSED COVERED WALKWAY, PARKING AND DOST NORTH GATE SIGNAGE		METAL INDUSTRY RESEARCH AND DEVELOPMENT CENTER (MIRDC)					CADD BY :		
REG. NO. :	055251	PTR NO. :	2321899						DATE :		
DATE :	AUG. 1, 1989	ISSUED ON :	JAN. 4, 2017	LOCATION :		ADDRESS :			CHECKED BY :		
TIN :	106-459-911	ISSUED AT :	PASIG CITY	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA		GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA			APPROVED BY :	LEFT SIDE ELEVATION RIGHT SIDE ELEVATION SECTION "A"	A - 7
									DATE :		

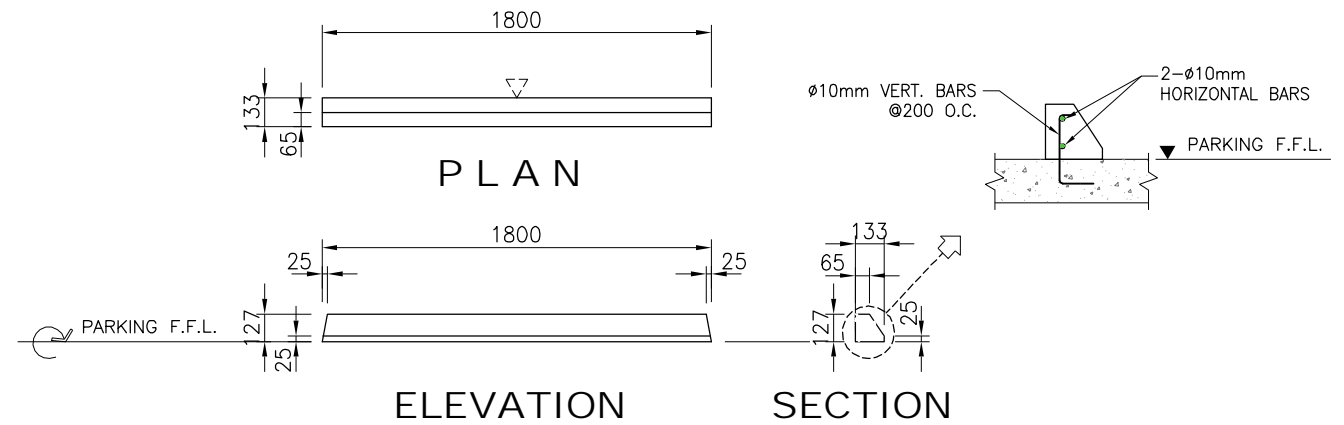
7 / 22



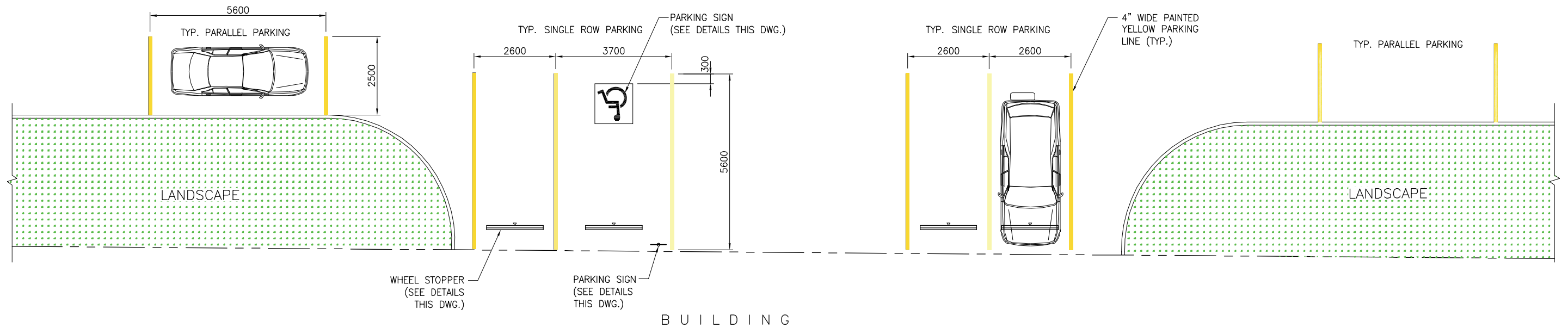
2
A 7
TYPICAL PARKING SIGNAGE DETAILS
SCALE: 1:20 M.

NOTES:

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3
A 7
TYPICAL WHEEL STOPPER DETAILS
SCALE: 1:20 M.



BUILDING

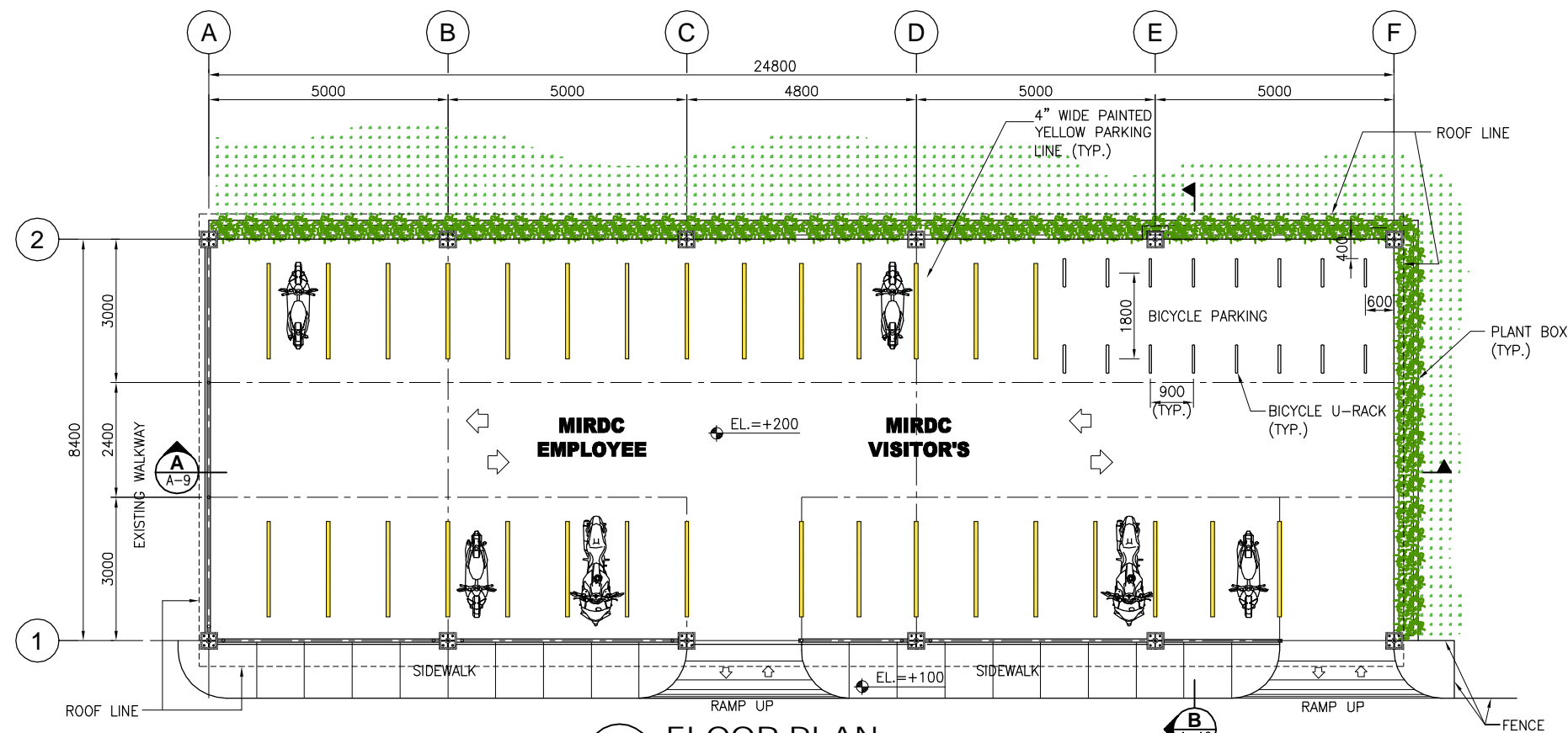
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A 7
PLAN
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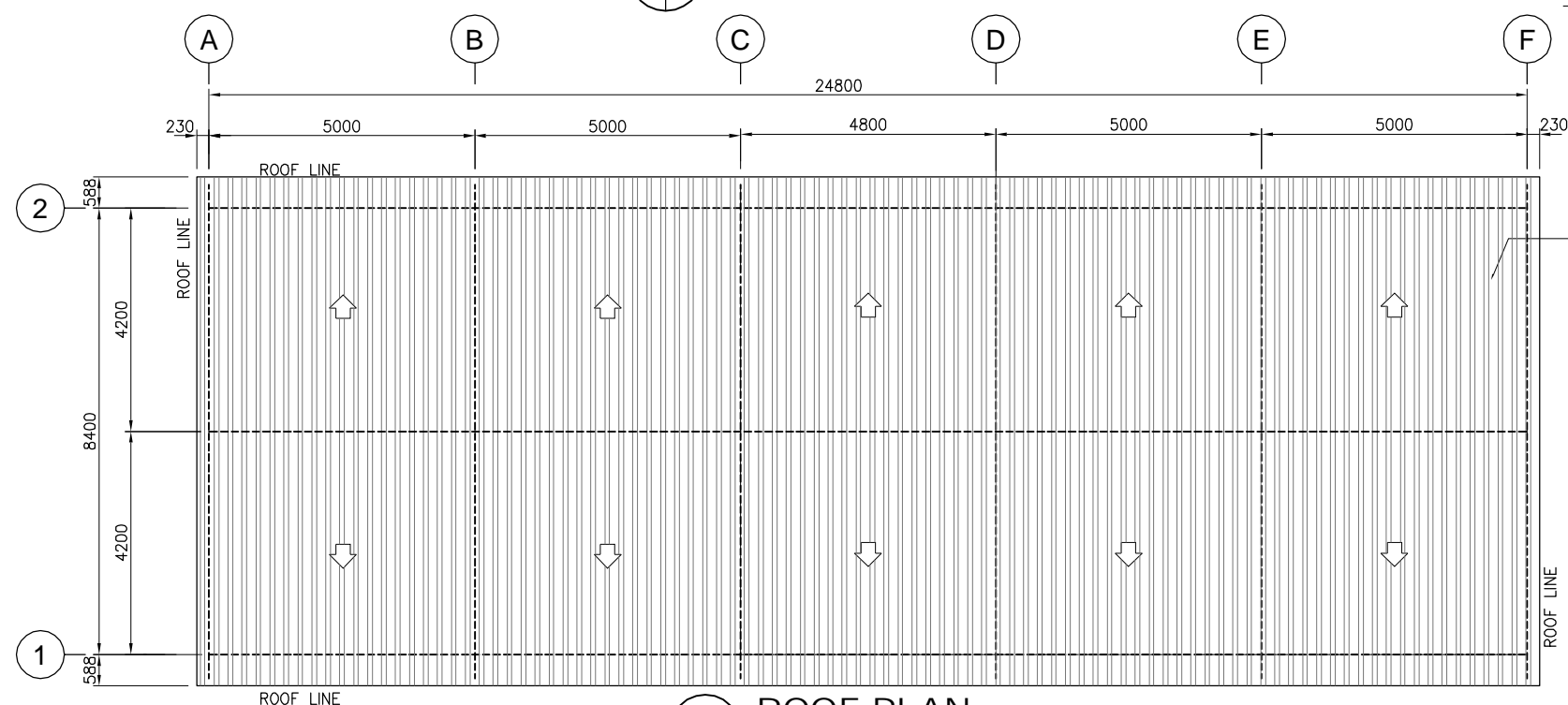
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GILBERT B. MAGBUTAY		PROPOSED COVERED WALKWAY, PARKING AND DOST NORTH GATE SIGNAGE		METAL INDUSTRY RESEARCH AND DEVELOPMENT CENTER (MIRDC)					CADD BY :	RHV	OPEN CAR PARKING	A - 8
REG. NO. :	055251	PTR NO. :	2321899	LOCATION :		ADDRESS :			DATE :		P L A N	SHEET NO. :
DATE :	AUG. 1, 1989	ISSUED ON :	JAN. 4, 2017	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA		GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA			CHECKED BY :	GBM	TYPICAL DETAILS	8 / 22
TIN :	106-459-911	ISSUED AT :	PASIG CITY						APPROVED BY :			
									DATE :			



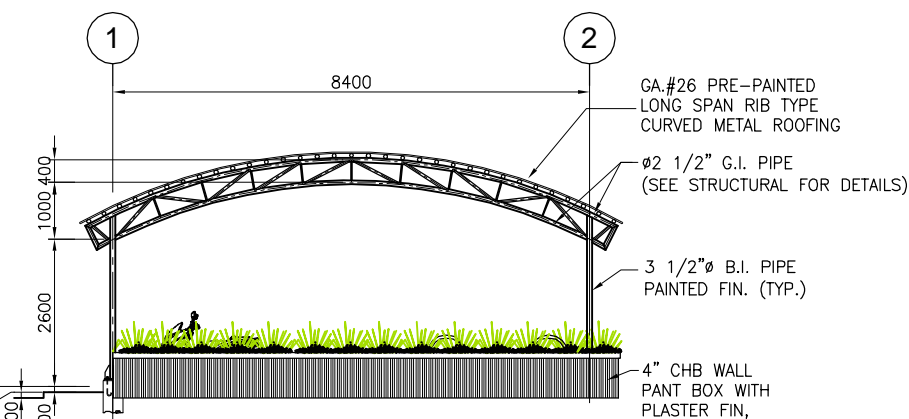
FLOOR PLAN
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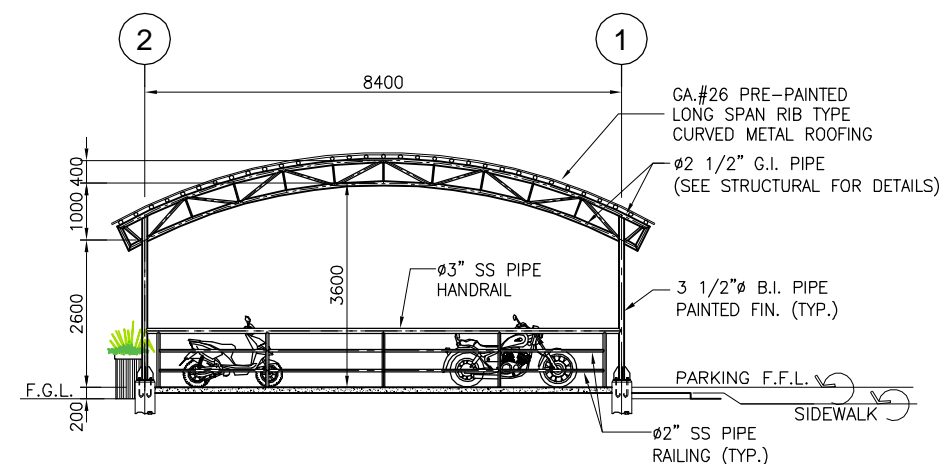
ROOF PLAN
SCALE: 1:75 M.

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RIGHT SIDE ELEVATION
SCALE: 1:75 M.



LEFT SIDE ELEVATION
SCALE: 1:75 M.



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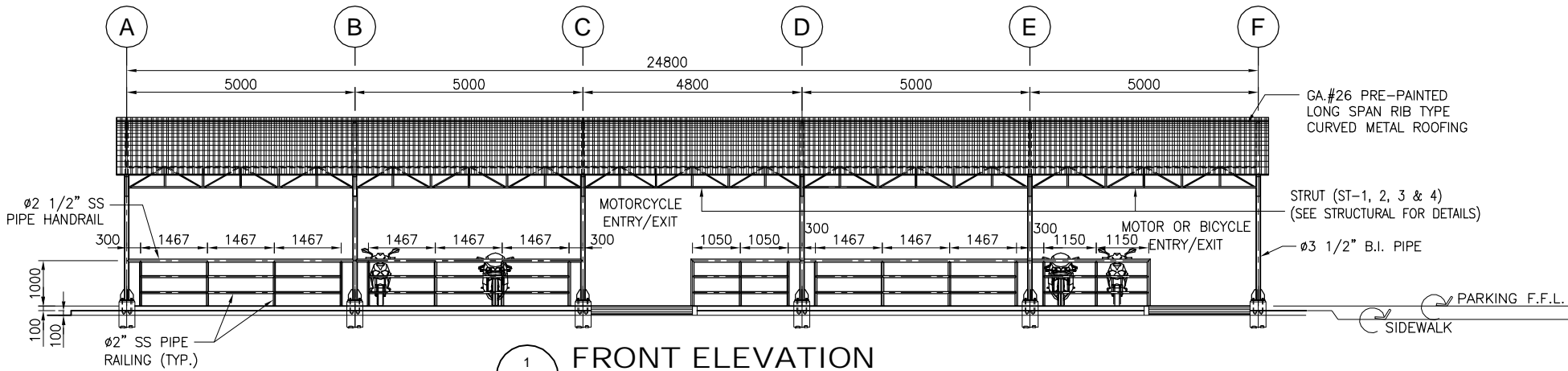
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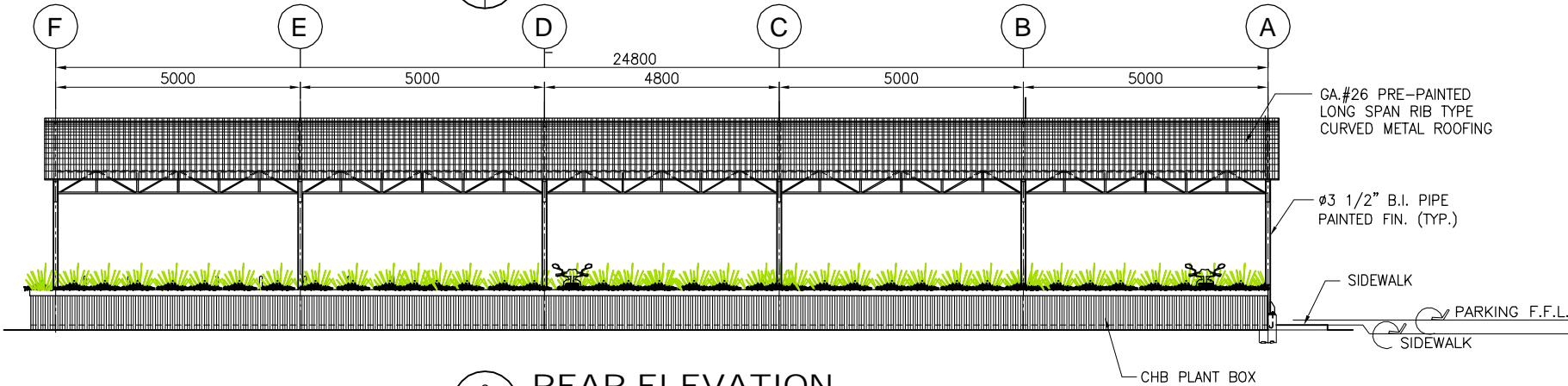
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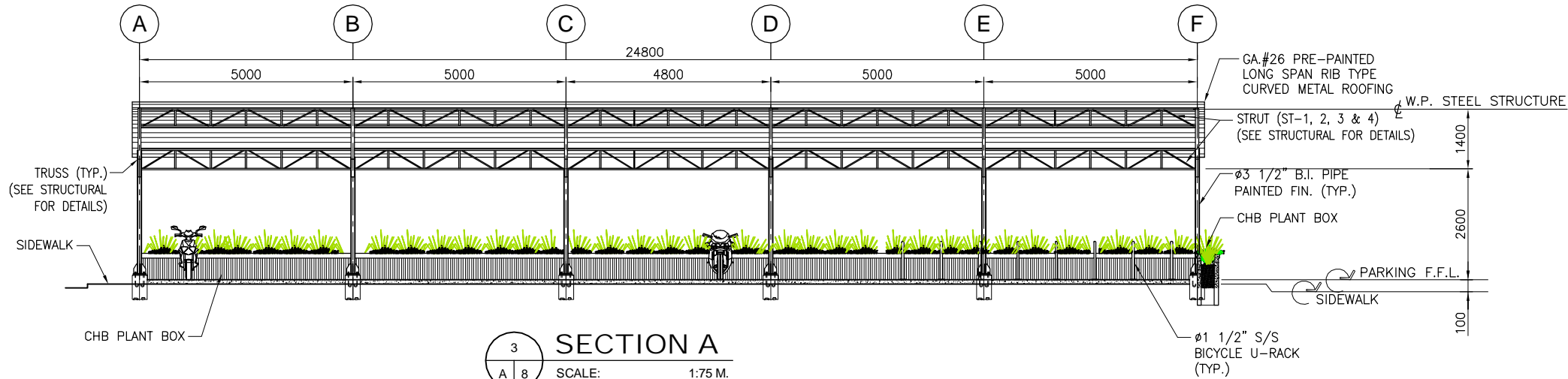
1. ALL DIMENSIONS SHOWN HEREIN ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. FOR SITE DEVELOPMENT PLAN, REFER TO DRAWING NO. A-2.
3. VERIFY ALL SIZES/DIMENSIONS ON THE JOB SITE AND SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION AND INSTALLATION.
4. ALL SHOP DRAWINGS, SAMPLES CATALOG CUTS, ETC. ARE TO BE APPROVED BY THE ARCHITECT BEFORE ANY EXECUTION OF WORK.



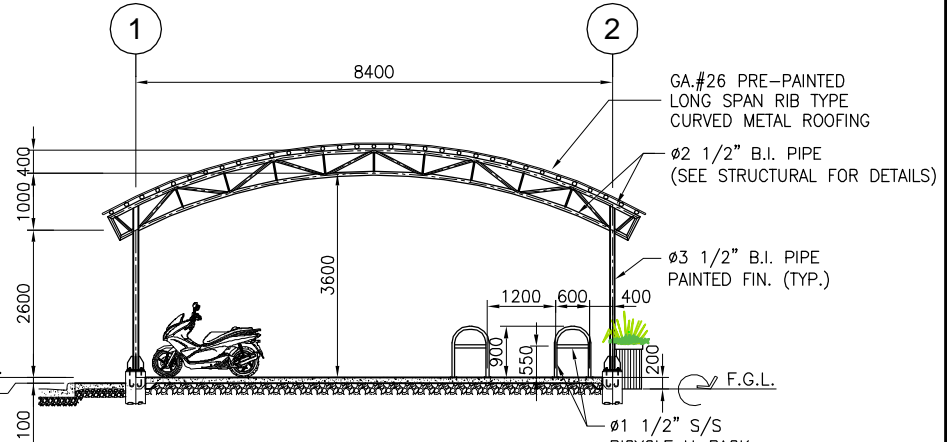
1
A 8
FRONT ELEVATION
SCALE: 1:75 M.



2
A 8
REAR ELEVATION
SCALE: 1:75 M.



3
A 8
SECTION A
SCALE: 1:75 M.



4
A 8
SECTION "B"
SCALE: 1:75 M.



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Tel. No.: 682 7114 Fax No.: 682 8467 Cellphone No.: 0920 9226441
URL: www.gibma.com E-mail: gibma2003@yahoo.com

CIVIL / STRUCTURAL ENGINEER :

GILBERT B. MAGBUTAY

REG. NO.: 055251 PTR NO.: 2321899

DATE: AUG. 1, 1989 ISSUED ON: JAN. 4, 2017

TIN: 106-459-911 ISSUED AT: PASIG CITY

PROJECT TITLE :

PROPOSED COVERED WALKWAY, PARKING
AND DOST NORTH GATE SIGNAGE

LOCATION :

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

OWNER :

METAL INDUSTRY RESEARCH AND
DEVELOPMENT CENTER (MIRDC)

ADDRESS :

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

DATE :

REVISION :

DESCRIPTION :

DESIGNED BY :

CADD BY :

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APPROVED BY :

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CHECKED BY :

APPROVED BY :

DATE :

SHEET CONTENTS :

COVERED MOTORCYCLE PARKING

FRONT ELEVATION

REAR ELEVATION

SECTION A & B

DRAWING NO. :

A - 10

SHEET NO. :

10 / 22

GENERAL NOTES

1. GENERAL

1.1 SETTING OUT

ALL NECESSARY BOUNDARY LINES, BUILDING LINES AND CORNER PEGS SHALL BE ESTABLISHED AND APPROVED BY A REGISTERED GEODETIC ENGINEER.
ALL DIMENSIONS MEASURED ON SITE SHALL BE CHECKED AND CONFIRMED WITH RELEVANT ARCHITECTURAL, STRUCTURAL AND M&E DRAWINGS.
ALL DISCREPANCIES IN THE DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER PRIOR TO THE ORDERING OF MATERIAL AND COMMENCEMENT OF CONSTRUCTION OF THE RELEVANT WORKS.

1.2 LEVELS

ALL NECESSARY REDUCED LEVELS OF THE EXISTING SITE AND PROPOSED BUILDING FORMATION LEVELS SHALL BE ESTABLISHED WITH REFERENCE TO APPROVED BENCH MARKS. ALL LEVELS SHOWN ARE IN METRIC MEASUREMENT.
ANY DISCREPANCIES IN THE MEASURED LEVELS AND THE LEVELS STATED IN THE RELEVANT ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ ENGINEER.

1.3 DRAWINGS

ALL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS AND SPECIFICATION.
ANY DISCREPANCIES BETWEEN DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER.
THE LATEST REVISIONS IN THE DRAWINGS SHALL BE INCORPORATED IN THE CONSTRUCTION WORKS.

1.4 INCORPORATION OF M&E REQUIREMENTS IN STRUCTURE

THE CONTRACTOR SHALL INCORPORATE ALL MECHANICAL, SANITARY AND ELECTRICAL WORKS TO BE EMBEDDED IN THE CONCRETE OR OPENINGS FOR PIPE OR DUCT WORKS BASED IN THE REQUIREMENTS OF M&E DRAWINGS IN HIS POSSESSION. HE SHALL CHECK THE M&E DRAWINGS AND RESOLVE DISCREPANCIES, IF ANY, BEFORE CONCRETING.
ANY DEVIATIONS IN THE STRUCTURAL WORK DUE TO SERVICES REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER FOR HIS APPROVAL.

2. SUBSTRUCTURE WORKS

2.1 EARTHWORKS

ALL EARTHWORKS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
FOR ALL EXCAVATIONS INCLUDING BUT NOT LIMITED TO FOOTINGS, PITS AND TRENCHES BELOW GROUND LEVEL, CULVERTS AND DRAIN PIPE TRENCHES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND PROVISION OF ADEQUATE SHORING AND STRUTTING TO THE SATISFACTION OF THE ARCHITECT/ ENGINEER. DETAILS OF THE SHORING AND STRUTTING SHALL BE SUBMITTED TO THE ARCHITECT/ ENGINEER.

2.2 LEAN CONCRETE

UNLESS OTHERWISE STATED, A MINIMUM OF 50mm THICK LEAN CONCRETE LAYER SHALL BE PROVIDED ON ALL SOIL SURFACES FORMING THE UNDERSIDE OF ANY REINFORCED FOOTINGS, BEAMS, SLABS, SUMP PITS, DRAINS, ETC.

3. MATERIALS AND WORKMANSHIP

3.1 STANDARDS AND SPECIFICATIONS

WHERE APPLICABLE, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE RELEVANT CODES:
A. NSCP 2010
B. NATIONAL BUILDING CODE OF THE PHILIPPINES
C. ACI 318 - 2008
D. AISC

3.2 MATERIAL STRENGTHS

3.2.1 CONCRETE

UNLESS OTHERWISE STATED ON THE DRAWINGS, THE GRADE OF CONCRETE SHALL BE AS FOLLOWS:
LEAN OR MASS CONCRETE : 1,500 psi
FOOTINGS, FOOTING TIE BEAMS, COLUMNS, SUSPENDED BEAMS AND SLABS, GIRDERS, PARAPET WALLS : 3,000 psi
SLAB-ON-GRADE, CATCH BASIN, AREA DRAIN : 2,500 psi

3.2.2 STEEL REINFORCEMENT

THE MINIMUM YIELD STRENGTH OF STEEL REINFORCEMENT SHALL BE AS FOLLOWS:
DEFORMED BARS Ø16mm AND BIGGER : 275 MPa
DEFORMED BARS Ø12mm AND SMALLER : 230 MPa

3.2.3 STRUCTURAL STEEL

ALL STRUCTURAL STEELWORKS SHALL CONFORM TO GRADE 36 STEEL UNLESS OTHERWISE SPECIFIED.
ALL STRUCTURAL STEEL WORKS SHALL BE CARRIED OUT CONFORMING TO THE LATEST EDITION OF THE AISC AND RELEVANT PROVISIONS OF THE NSCP.

3.3 WORKMANSHIP

CONCRETE COVER TO ALL REINFORCEMENT INCLUDING STIRRUPS (UNLESS OTHERWISE SHOWN ON DRAWINGS), SHALL BE NOT LESS THAN:
EXPOSED TO WEATHER OR IN CONTACT WITH EARTH : 70 mm
SLABS : 20 mm
BEAM SOFFIT AND SIDES : 40 mm
COLUMNS : 40 mm
WALLS : 20 mm
FOOTINGS : 75 mm

3.4 LAPS AND SPLICES (UNLESS OTHERWISE SPECIFIED)

BAR SIZE	TENSION LAP,mm	COMPRESSION LAP,mm
10	520	400
12	625	480
16	835	640
20	1,040	800
25	1,300	1,000
32	1,665	1,280

NO SPLICES SHALL BE MADE AT POINT OF MAXIMUM STRESS, I.E., TOP BARS IN BEAMS AND SLABS SHOULD NOT BE SPICED AT MIDSPAN AND BOTTOM BARS AT SUPPORTS. SPLICES SHALL BE STAGGERED WHEREVER POSSIBLE.
CRANKING OF COLUMN BARS SHOULD NOT EXCEED A SLOPE OF 1 IN 10 WHENEVER POSSIBLE. NOT MORE THAN 50% OF COLUMN BARS SHOULD BE SPICED AT ONE SECTION.

4. STANDARD PROVISIONS

REGARDLESS OF WHETHER OR NOT SHOWN IN DRAWINGS AND OTHER TENDER DOCUMENTS, THE FOLLOWING STANDARD PROVISIONS ARE CONSIDERED PART OF THE CONTRACT AND SHALL BE CARRIED OUT UNLESS OTHERWISE STATED.

4.1 STARTER BARS FOR WALLS AND COLUMNS

STARTER BARS FROM THE STRUCTURAL SYSTEM FOR R.C. WALLS AND COLUMNS SHALL CORRESPOND IN NUMBER AND SIZE TO THE REINFORCEMENT IN THE WALL OR COLUMN IN WHICH THEY ARE TO BE EMBEDDED. ALL STARTER BARS FOR WORKS NOT TO BE CARRIED OUT AT LEAST FOR ONE MONTH SHALL BE PROTECTED WITH 2 COATS OF CEMENT WASH. THE COATING SHALL BE MAINTAINED PERIODICALLY TO ENSURE PROTECTION TO THE REINFORCEMENT. BARS SHALL NOT BE BENT OR OTHERWISE DAMAGED WHILE THEY ARE EXPOSED.

4.2 CONSTRUCTION JOINTS

THE LOCATION OF CONSTRUCTION JOINTS AND THE CONCRETE CASTING PLAN SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

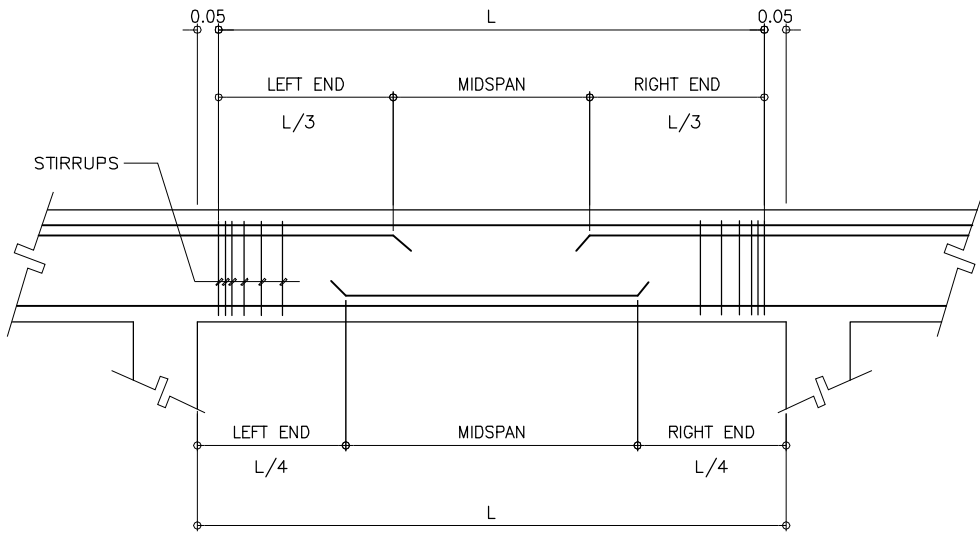
4.3 R.C. STIFFENERS FOR CONCRETE MASONRY WALLS

R.C. STIFFENERS FOR CONCRETE MASONRY WALLS AND STARTER BARS THEREFROM SHALL BE PROVIDED AS PER ARCHITECTURAL DRAWINGS, UNLESS OTHERWISE STATED:
A: FOR MASONRY WALLS 3.0m HIGH, USE 150mm X 300mm STIFFENER BEAMS AND COLUMNS REINFORCED WITH 4-Ø16 AND Ø10 @ 200mm O.C. SPACING OF STIRRUPS/LATERAL TIES. STIFFENERS SHALL BE SPACED AT NOT MORE THAN 5m APART.

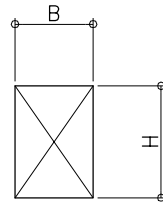
5. CRITICAL CONSTRUCTION PROCEDURE

5.1 TO MINIMIZE CRACKING DUE TO SHRINKAGE IN THE LARGE AREA SLABS AND WALLS, THE CONTRACTOR SHALL PROVIDE SHRINKAGE JOINTS (POUR STRIPS) AT APPROPRIATE INTERVALS AS APPROVED BY THE ARCHITECT/ ENGINEER. THE JOINTS SHALL NOT BE CONCRETED UNTIL AT LEAST 7 DAYS AFTER THE ADJACENT CONCRETE PANELS HAVE BEEN CAST.

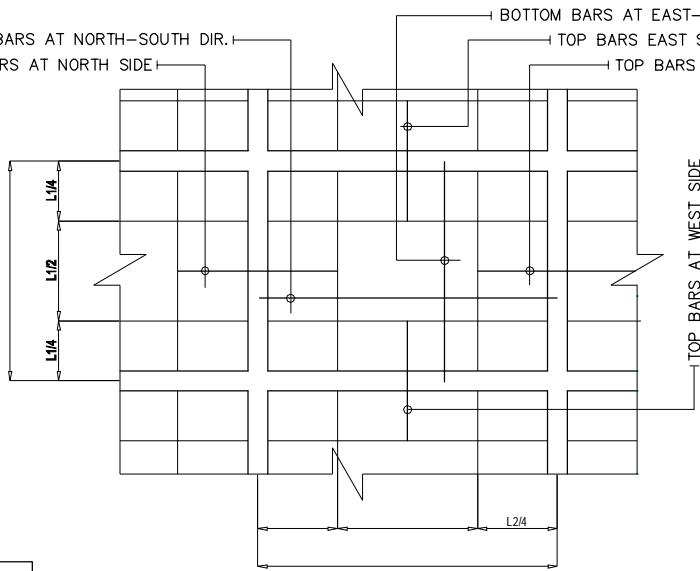
5.2 CONCRETE IN FLOOR SLABS SHALL BE LAID TO FALLS AS SHOWN IN THE ARCHITECTURAL DRAWINGS DURING THE INITIAL CASTING OF THE CONCRETE.



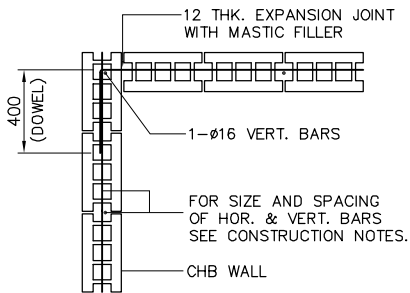
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S 1
NOT TO SCALE



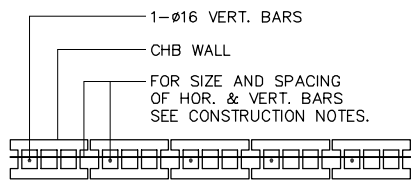
BOTTOM BARS AT NORTH-SOUTH DIR.
TOP BARS AT NORTH SIDE
TOP BARS EAST SIDE
TOP BARS AT SOUTH SIDE



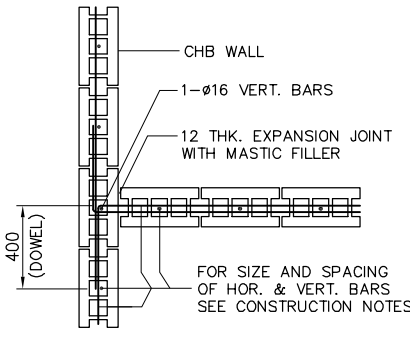
2
S 1
NOT TO SCALE



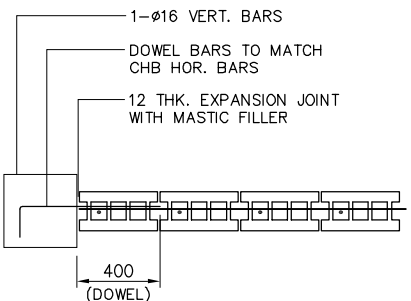
CORNER WALL



OPENING OR END WALL



INTERSECTION WALL



INTERSECTING R.C. COL. OR WALL

1
S 1
NOT TO SCALE
TYPICAL CONNECTION DETAIL OF MASONRY WALL



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93 Kalikasan Street Karangalan Village Phase 2A, Dela Paz, Pasig City 1611
Tel. No.: 682 7114 Fax. No.: 682 8467 Cellphone No.: 0920 9226441
URL: www.gibma.com E-mail: gibma2003@yahoo.com

CIVIL/STRUCTURAL ENGINEER :

GILBERT B. MAGBUTAY
REG. NO.: 056251 PTR NO.: 2321899

DATE: AUG. 1, 1989 ISSUED ON: JAN. 4, 2017

TIN: 106-459-911 ISSUED AT: PASIG CITY

PROJECT TITLE :

PROPOSED COVERED WALKWAY, PARKING
AND DOST NORTH GATE SIGNAGE

LOCATION :

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

OWNER :

METAL INDUSTRY RESEARCH AND
DEVELOPMENT CENTER (MIRDC)

ADDRESS :

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

DATE :

REVISION :

DESCRIPTION :

DESIGNED BY :

JBNN

CADD BY :

RHV

DATE :

CHECKED BY :

GBM

APPROVED BY :

DATE :

SHEET CONTENTS :

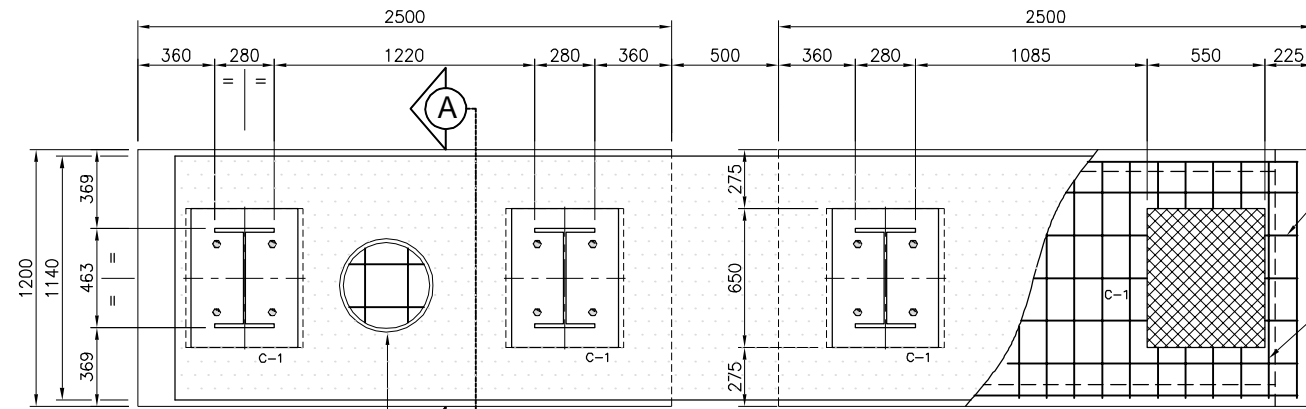
GENERAL NOTES
MASONRY WALL
TYPICAL SLAB DETAIL
TYPICAL BEAM DETAIL

DRAWING NO. :

S - 1

SHEET NO. :

11 / 22

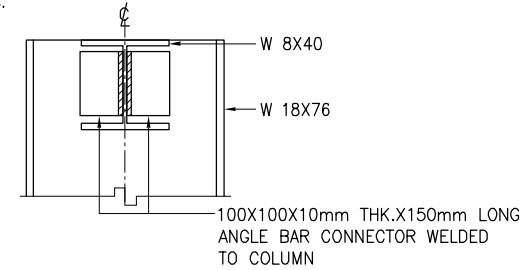


100mm THK. SLAB ON FILL
WITH $\phi 10$ mm SPACED @
300mm O.C. B.W.

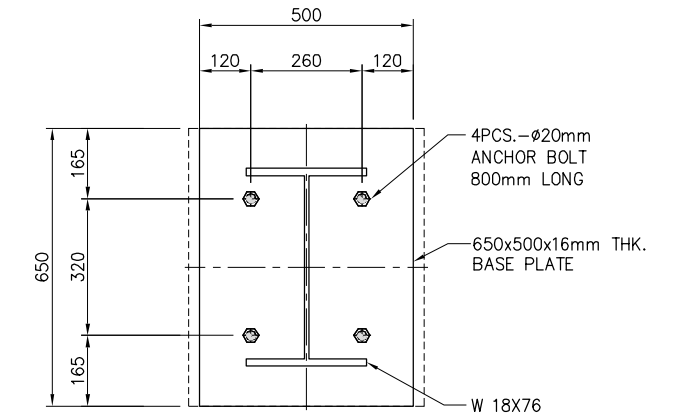
1 FOUNDATION PLAN
SCALE: 1:20 M.

$\phi 16$ mm SPACED @ 200mm O.C.
TOP & BOTTOM BARS
(LONGITUDINAL)

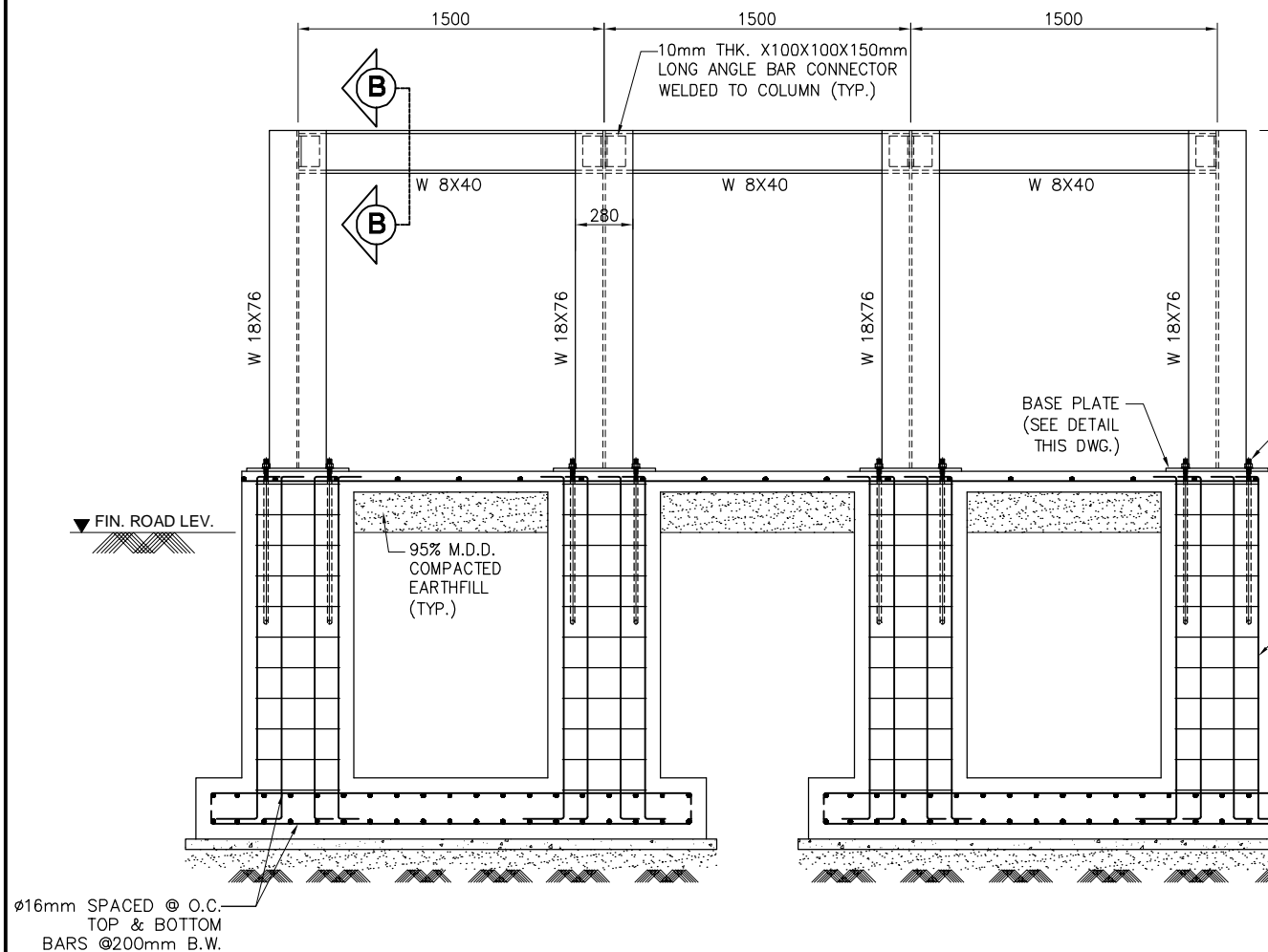
$\phi 16$ mm SPACED @ 130mm O.C.
TOP & BOTTOM BARS
(TRANSVERSE)



5 SECTION THRU "B-B"
SCALE: 1:10 M.



6 BASE PLATE DETAIL
SCALE: 1:10 M.



2 COMBINE FOOTING DETAIL
SCALE: 1:20 M.

$\phi 16$ mm SPACED @ O.C.
TOP & BOTTOM
BARS @200mm B.W.

4PCS. - $\phi 20$ mm
ANCHOR BOLTS
800mm LONG

16- $\phi 20$ mm MAIN
VERTICAL BARS

$\phi 16$ mm SPACED @ O.C.
TOP & BOTTOM BARS
130mm B.W.

50mm THK. LEAN
CONCRETE

95% M.D.D. COMPACTED
EARTHFILL

BASE PLATE
(SEE DETAIL
THIS DWG.)

95% M.D.D.
COMPACTED
EARTHFILL

50mm THK. LEAN
CONCRETE

16- $\phi 20$ mm MAIN
VERTICAL BARS

$\phi 16$ mm SPACED @ 130mm
O.C. TOP & BTM. BARS

50mm THK. LEAN
CONCRETE

95% M.D.D. COMPACTED
EARTHFILL

3 SECTION THRU "A-A"
SCALE: 1:20 M.

W 8X40

10mm THK. X100X100X150mm
LONG ANGLE BAR CONNECTOR
WELDED TO COLUMN

4PCS. - $\phi 20$ mm
ANCHOR BOLTS
800mm LONG

100mm THK. SLAB ON FILL
WITH $\phi 10$ mm SPACED
@300mm O.C. B.W.

50mm THK. LEAN
CONCRETE

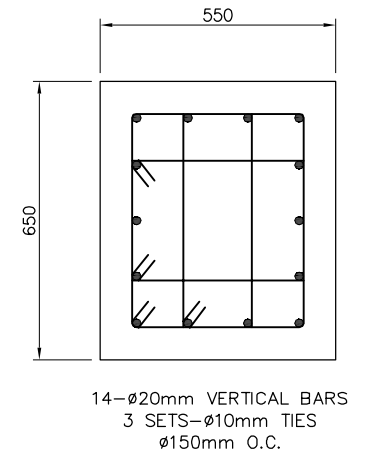
16- $\phi 20$ mm MAIN
VERTICAL BARS

$\phi 16$ mm SPACED @ 130mm
O.C. TOP & BTM. BARS

50mm THK. LEAN
CONCRETE

95% M.D.D. COMPACTED
EARTHFILL

$\phi 16$ mm SPACED @ 200mm
O.C. TOP & BTM. BARS



4 C - 1 PLAN
SCALE: 1:10 M.

NOTES:

1. ALL DIMENSIONS SHOWN HEREIN ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. FOR GENERAL NOTES, REFER TO DRAWING NO. S-1.

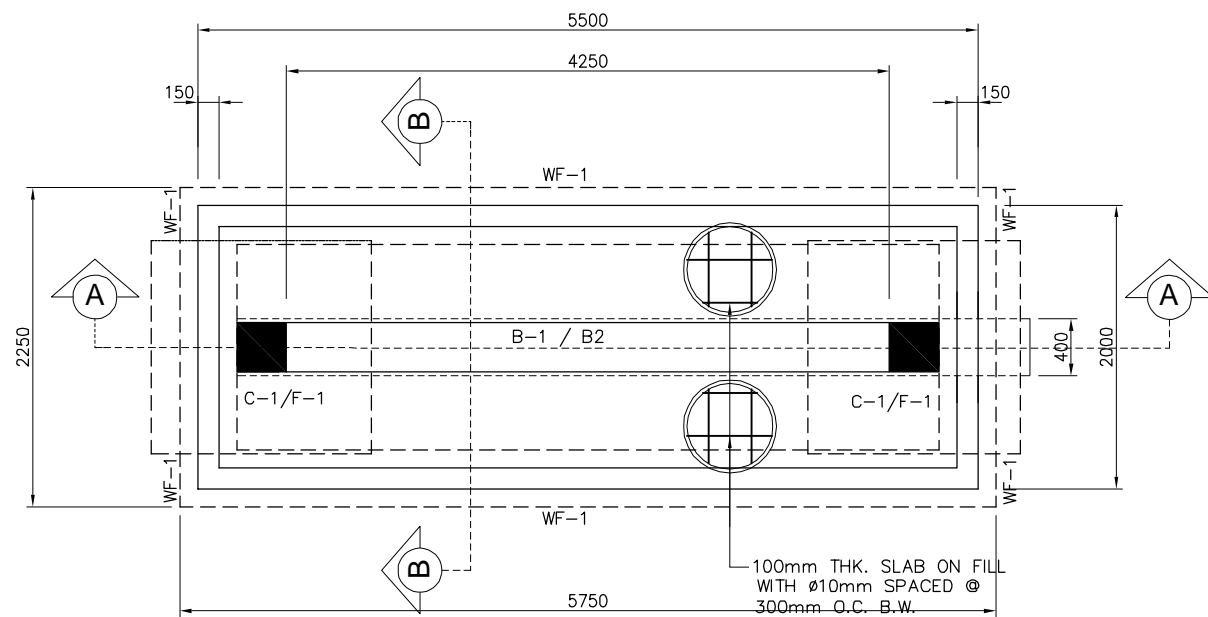


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Tel. No.: 682 7114 Fax. No.: 682 8467 Cellphone No.: 0920 9226441
URL: www.gibma.com E-mail: gibma2003@yahoo.com

CIVIL/STRUCTURAL ENGINEER:	PROJECT TITLE:	OWNER:	DATE:	REVISION:	DESCRIPTION:	DESIGNED BY:	MKDA	SHEET CONTENTS:	DRAWING NO.:
GILBERT B. MAGBUTAY	PROPOSED COVERED WALKWAY, PARKING AND DOST NORTH GATE SIGNAGE	METAL INDUSTRY RESEARCH AND DEVELOPMENT CENTER (MIRDC)				CADD BY:	RHV	TOWER SIGNAGE	S - 2
REG. NO.: 055251 PTR NO.: 2321899						DATE:		FOUNDATION PLAN, C-1 PLAN	SHEET NO.:
DATE: AUG. 1, 1989 ISSUED ON: JAN. 4, 2017	LOCATION:	ADDRESS:				CHECKED BY:	GBM	COMBINE FOOTING PLAN & DETAILS	
TIN: 106-459-911 ISSUED AT: PASIG CITY	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA				APPROVED BY:		SECTION THRU A & B	
						DATE:		PEDESTAL DETAILS	12 / 22



1 FOUNDATION PLAN
S 3 SCALE: 1:30 M.

SCHEDULE OF FOOTING

FOOTING DESIGNATION	FOOTING SIZE			NUMBER OF Ø16mm REBARS	
	X mm	Y mm	THICKNESS mm	ALONG X	ALONG Y
F-1	1500	1500	300	9 - Ø16	9 - Ø16

NOTES:

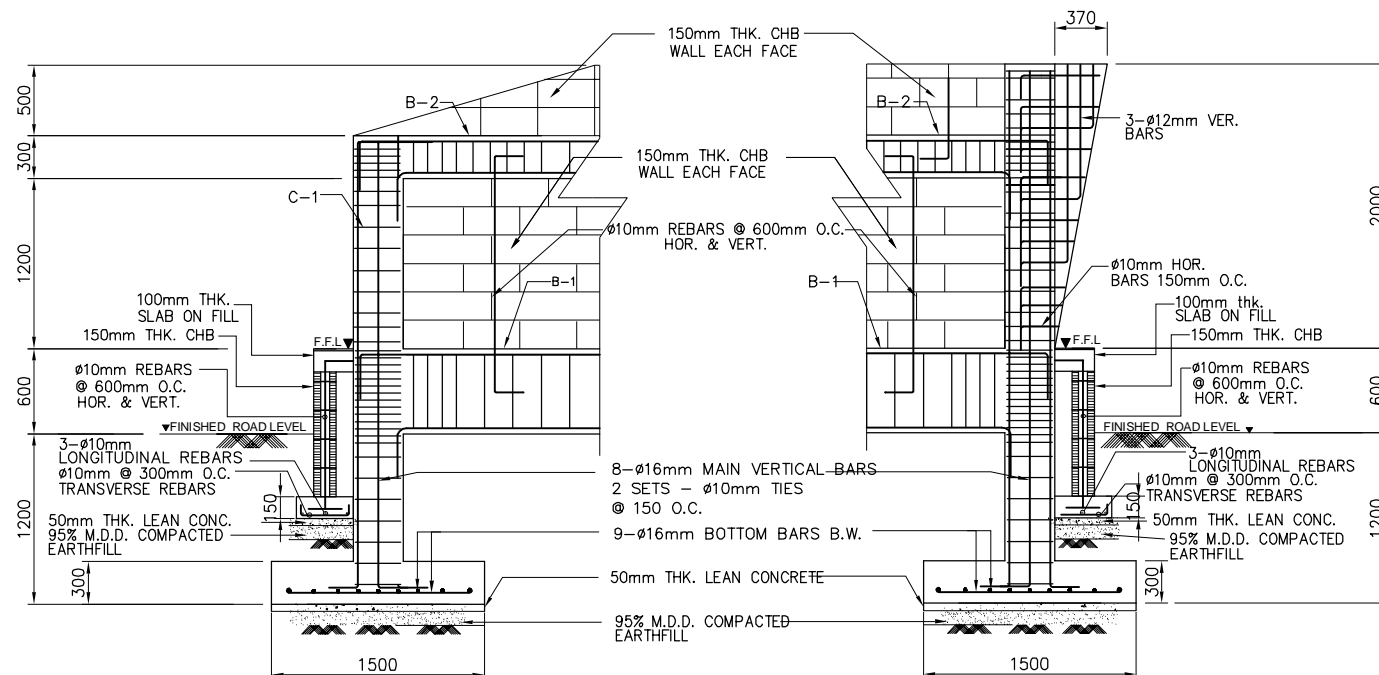
- ALL DIMENSIONS SHOWN HEREIN ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
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SCHEDULE OF COLUMN

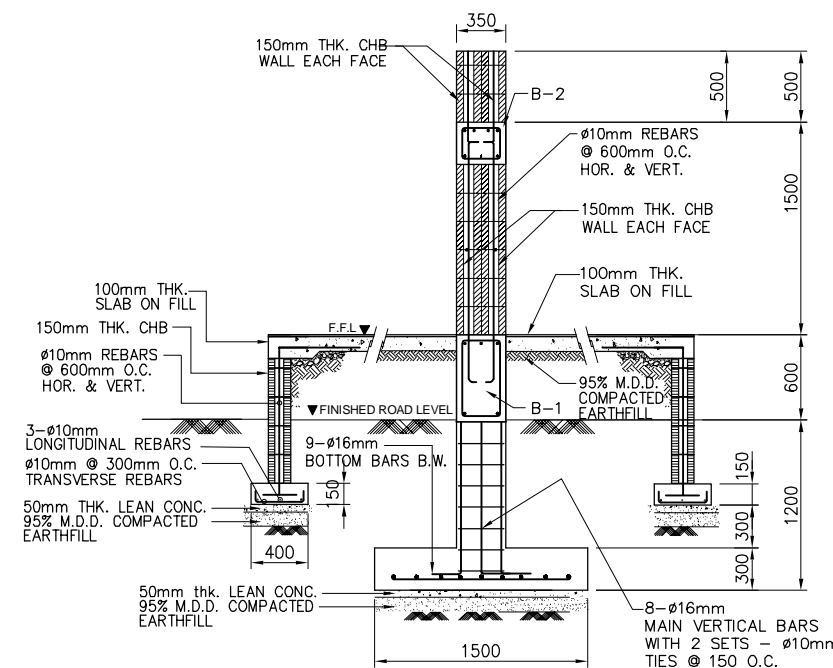
COLUMN MARKING	LEVEL	SECTION (B X H)	MAIN VERT. REBARS	Ø10 LATERAL TIES
C-1	FOOTING TO BEAM 2	350 X 350	8 - Ø16	2SETS @ 150 o.c.

SCHEDULE OF BEAMS

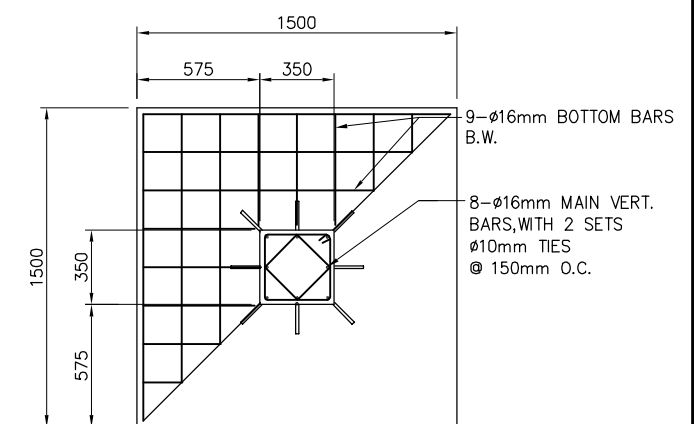
BEAM MARKING	SECTION (B x H)	BEAM TYPE	LEFT END REBARS		MIDSPAN REBARS		RIGHT END REBARS		SPACING OF Ø10 STIRRUPS TO CENTER
			TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	
B-1	350 X 600	SINGLE	3-Ø16	2-Ø16	3-Ø16	2-Ø16	3-Ø16	2-Ø16	1 @ 50, 3 @ 100, REST @ 120
B-2	350 X 300	SINGLE	4-Ø16	3-Ø16	4-Ø16	3-Ø16	4-Ø16	3-Ø16	1 @ 50, 3 @ 100, REST @ 120



2 SECTION THRU "A-A"
S 3 SCALE: 1:30 M.



3 SECTION THRU "B-B"
S 3 SCALE: 1:30 M.



4 PLAN
S 3 SCALE: 1:20 M.



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REVISION :

DESCRIPTION :

DESIGNED BY :

CADD BY: RHV

DATE :

CHECKED BY: GBM

APPROVED BY :

DATE :

SHEET CONTENTS :

GROUND SIGNAGE

FOUNDATION PLAN & DETAILS
SECTION THRU "A" & "B"
SCHEDULES OF FOOTING, COLUMN
& BEAMS

DRAWING NO. :

S - 3

SHEET NO. :

13 / 22

1. ALL DIMENSIONS SHOWN HEREIN ARE IN MILLIMETERS
UNLESS OTHERWISE NOTED.

2. FOR GENERAL NOTES, REFER TO DRAWING NO. S-1.

[illegible]

The drawings illustrate the structural details of a G.I. pipe column foundation. The plan views (F-1 and F-2) show a square foundation with a 450mm side length. The reinforcement consists of 8 vertical bars (4-16mm) and 3 bottom bars (3-16mm). The section views (F-1 and F-2) show the foundation's height and the reinforcement layout. The foundation is constructed with 50mm thick lean concrete and is embedded in 95% M.D.C. compacted earthfill. The foundation is supported by a 270x270x16mm thick base plate. The foundation is also shown with a 100mm thick concrete slab on top, which is supported by 4 anchor bolts (4-16mm) and 270mm long. The foundation is also shown with a 100mm thick concrete slab on top, which is supported by 4 anchor bolts (4-16mm) and 270mm long.

PLAN (F-1)

PLAN (F-2)

SECTION (F-1)

SECTION (F-2)

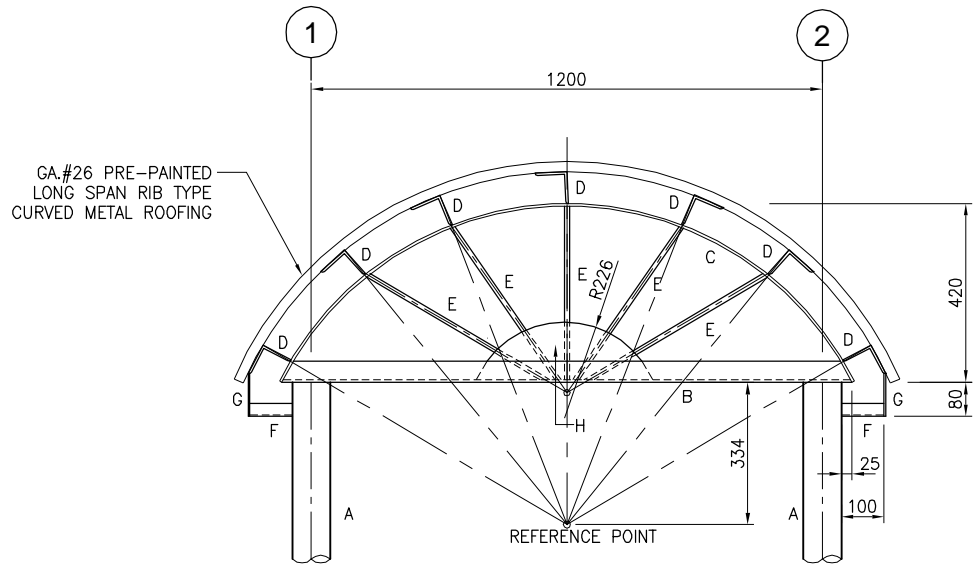
FOOTING DETAILS

SCALE: 1:10 M.



NOTES:

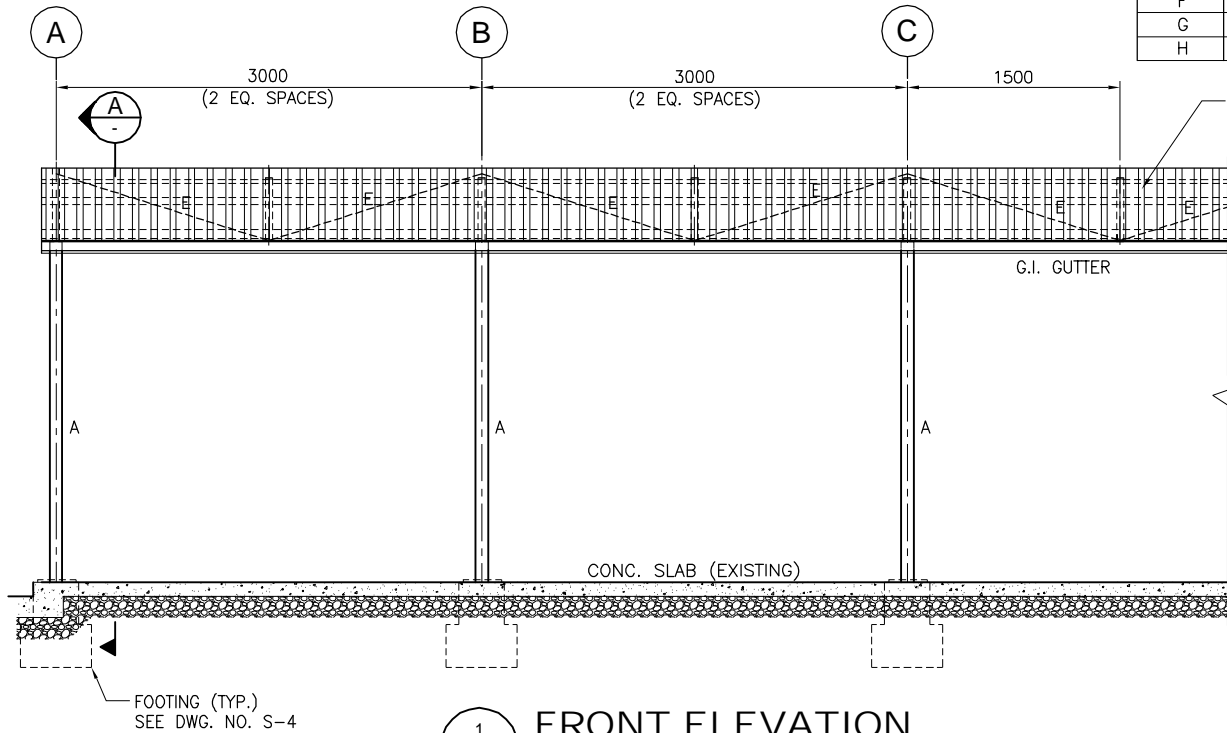
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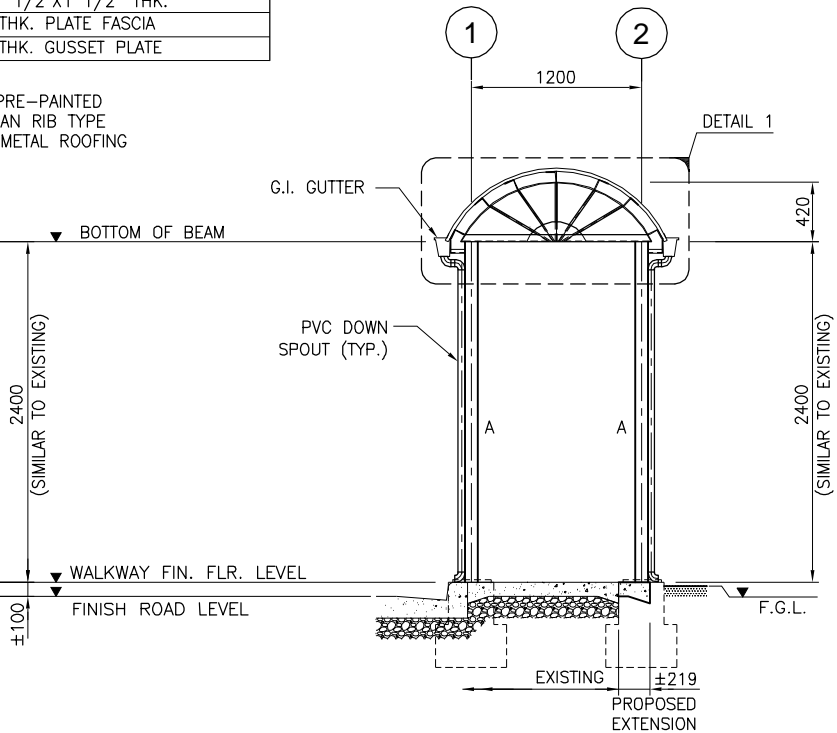
3
S 5
DETAIL 1
SCALE: 1:30 M.

SCHEDULE OF STEEL SECTIONS

MARK	STEEL SECTION
A	Ø3" B.I. PIPE SCH. 40
B	L - 2"X2"X1/4" THK.
C	1/4" THK. FLAT BAR
D	L - 3"X3"X1/4" THK. PURLINS
E	Ø12mm ROUND BAR
F	L - 1 1/2"X1 1/2" THK.
G	4mm THK. PLATE FASCIA
H	6mm THK. GUSSET PLATE



1
S 5
FRONT ELEVATION
SCALE: 1:30 M.



2
S 5
SECTION "A"
SCALE: 1:30 M.



GIBMA Engineering Services
Design - Construction - Project Management - Surveys

93 Kalikasan Street Karangalan Village Phase 2A, Dela Paz, Pasig City 1611
Tel. No.: 682 7114 Fax. No.: 682 8467 Cellphone No.: 0920 9226441
URL: www.gibma.com E-mail: gibma2003@yahoo.com

CIVIL / STRUCTURAL ENGINEER :

GILBERT B. MAGBUTAY

REG. NO.: 055251 PTR NO.: 2321899

DATE: AUG. 1, 1989 ISSUED ON: JAN. 4, 2017

TIN: 106-459-911 ISSUED AT: PASIG CITY

PROJECT TITLE :

PROPOSED COVERED WALKWAY, PARKING
AND DOST NORTH GATE SIGNAGE

LOCATION :

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

OWNER :

METAL INDUSTRY RESEARCH AND
DEVELOPMENT CENTER (MIRDC)

ADDRESS :

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

DATE :

REVISION :

DESCRIPTION :

DESIGNED BY :

DATE :

CHECKED BY :

APPROVED BY :

DATE :

DESIGNED BY :

CADD BY :

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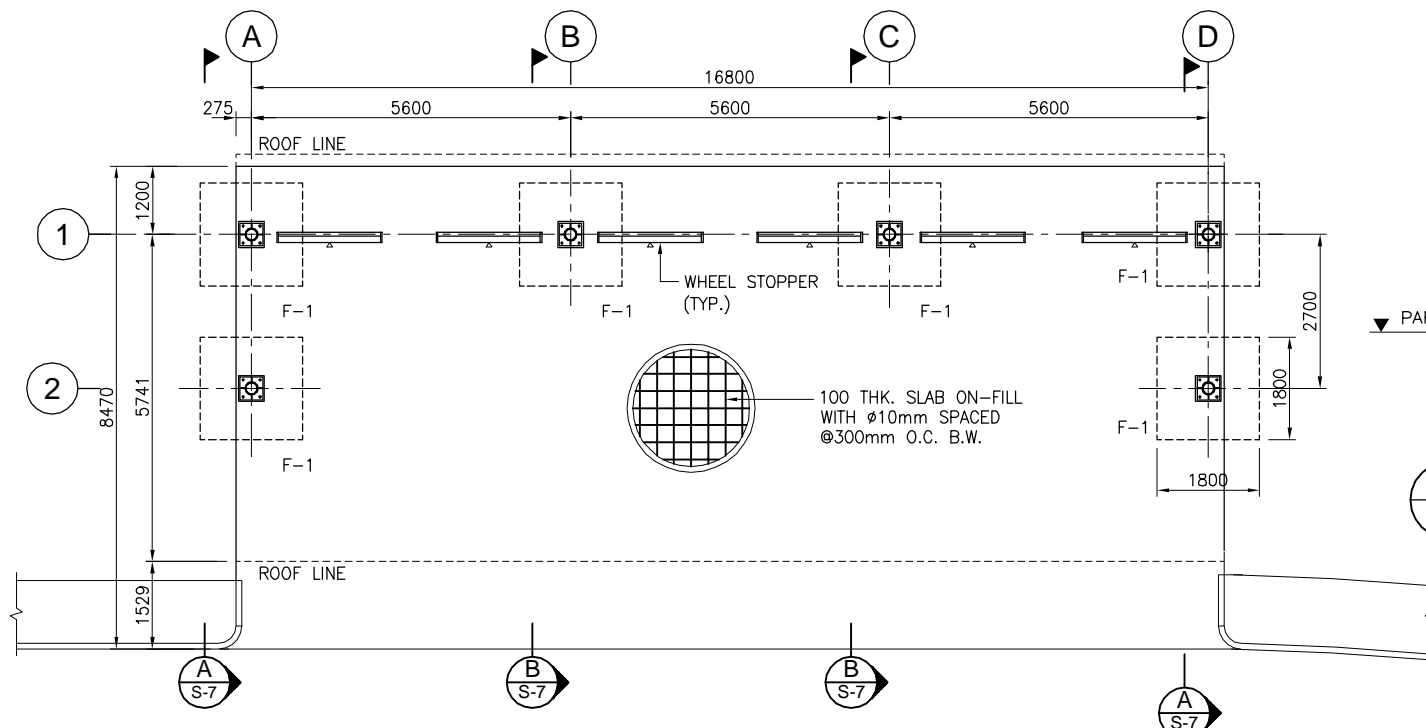
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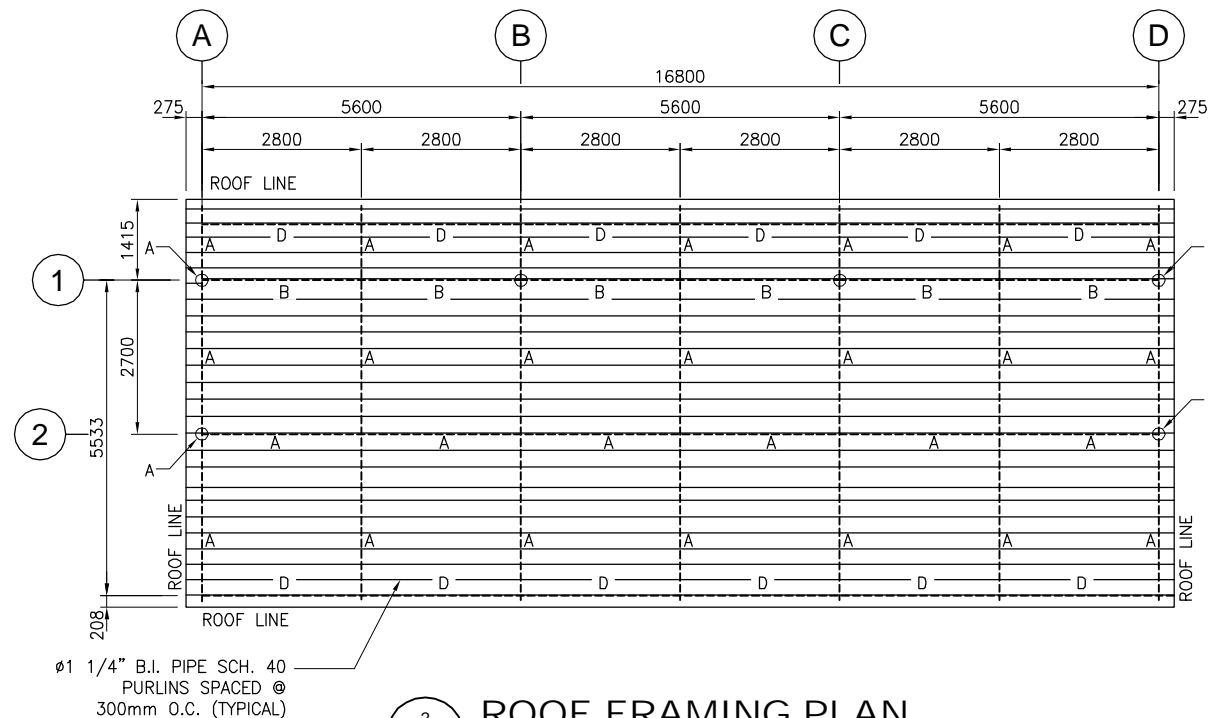
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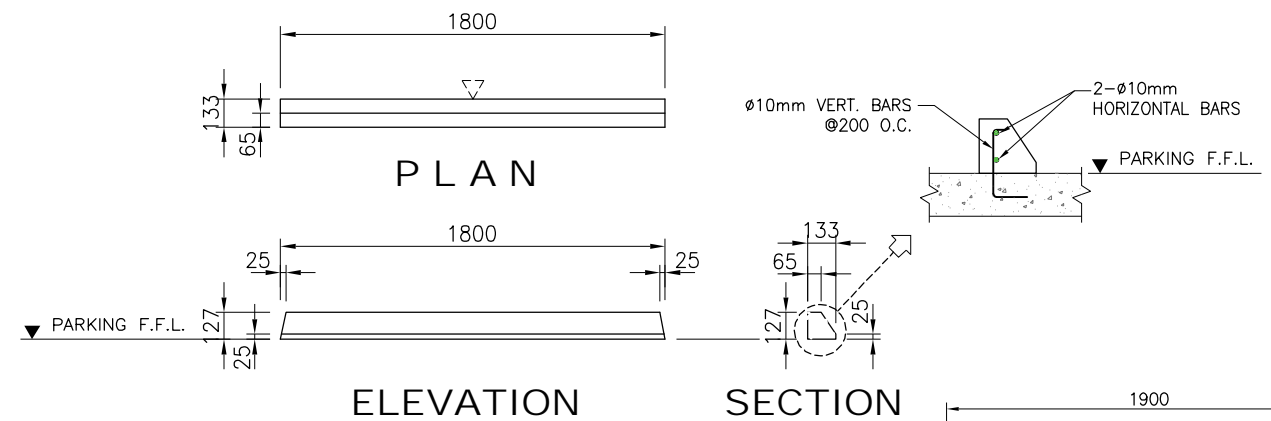
1 FOUNDATION PLAN
SCALE: 1:75 M.



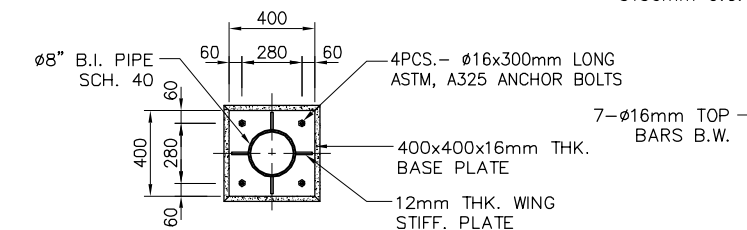
2 ROOF FRAMING PLAN
SCALE: 1:75 M.

NOTES:

- ALL DIMENSIONS SHOWN HEREIN ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- FOR GENERAL NOTES, REFER TO DRAWING NO. S-1.



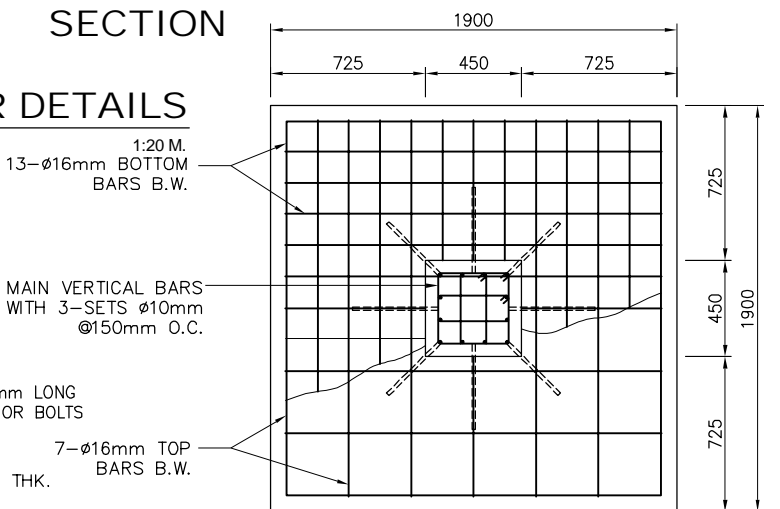
3 TYPICAL WHEEL STOPPER DETAILS
SCALE: 1:20 M.



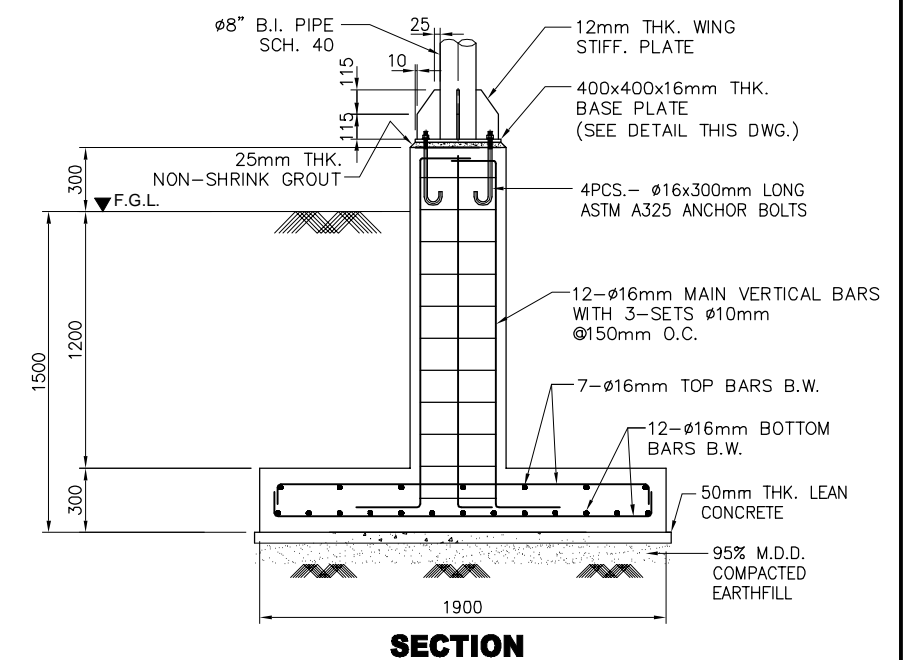
4 BASE PLATE DETAIL
SCALE: 1:20 M.

SCHEDULE OF STEEL SECTIONS

MARK	STEEL SECTION
A	Ø8" B.I. PIPE SCH. 40
B	Ø5" B.I. PIPE SCH. 40
C	Ø3" B.I. PIPE SCH. 40
D	Ø2" B.I. PIPE SCH. 40
E	Ø1 1/2" B.I. PIPE SCH. 40



3 FOOTING DETAILS (F-1)
SCALE: 1:20 M.

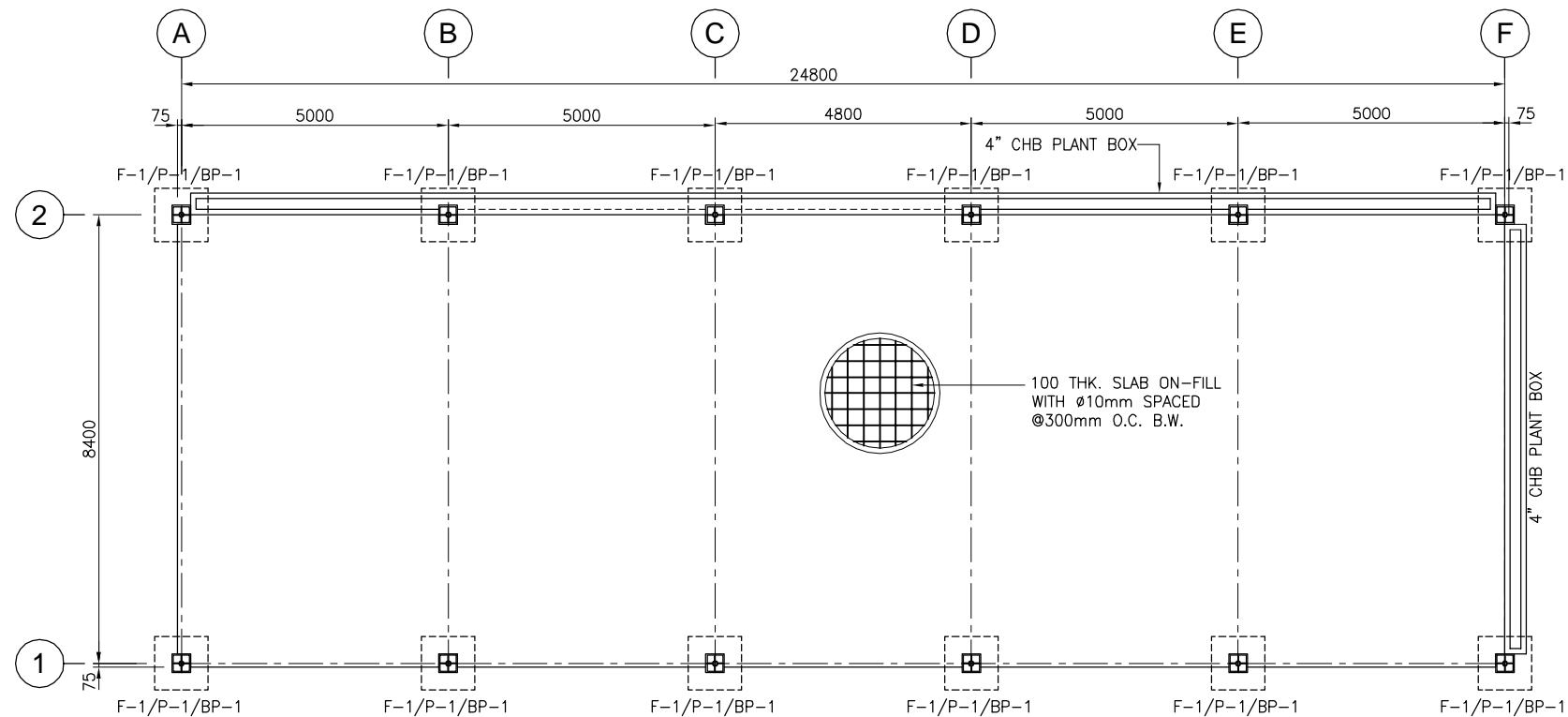


GIBMA Engineering Services

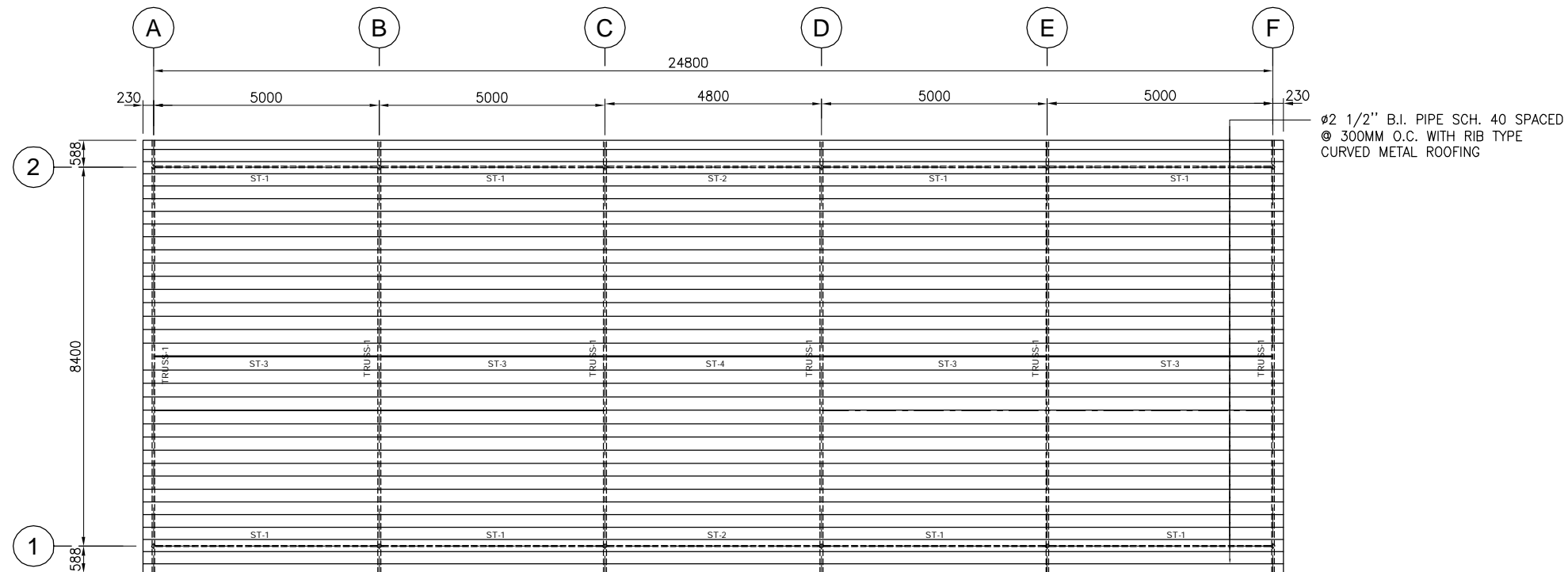
Design - Construction - Project Management - Surveys

93 Kalikasan Street Karangalan Village Phase 2A, Dela Paz, Pasig City 1611
Tel. No.: 682 7114 Fax. No.: 682 8467 Cellphone No.: 0920 9226441
URL: www.gibma.com E-mail: gibma2003@yahoo.com

CIVIL/STRUCTURAL ENGINEER:	PROJECT TITLE:	OWNER:	DATE:	REVISION:	DESCRIPTION:	DESIGNED BY:	JBNN	SHEET CONTENTS:	DRAWING NO.:
GILBERT B. MAGBUTAY	PROPOSED COVERED WALKWAY, PARKING AND DOST NORTH GATE SIGNAGE	METAL INDUSTRY RESEARCH AND DEVELOPMENT CENTER (MIRDC)				CADD BY:	RHV	COVERED CAR PARK	S - 6
REG. NO.: 055251 PTR NO.: 2321899						DATE:		FOUNDATION P L A N	SHEET NO.:
DATE: AUG. 1, 1989 ISSUED ON: JAN. 4, 2017	LOCATION:	ADDRESS:				CHECKED BY:	GBM	ROOF FRAMING PLAN	
TIN: 106-459-911 ISSUED AT: PASIG CITY	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA				APPROVED BY:		FOOTING DETAILS	
						DATE:		BASE PLATE DETAIL	16 / 22



1 FOUNDATION PLAN
SCALE: 1:75 M.



2 ROOF FRAMING PLAN
SCALE: 1:75 M.

NOTES:

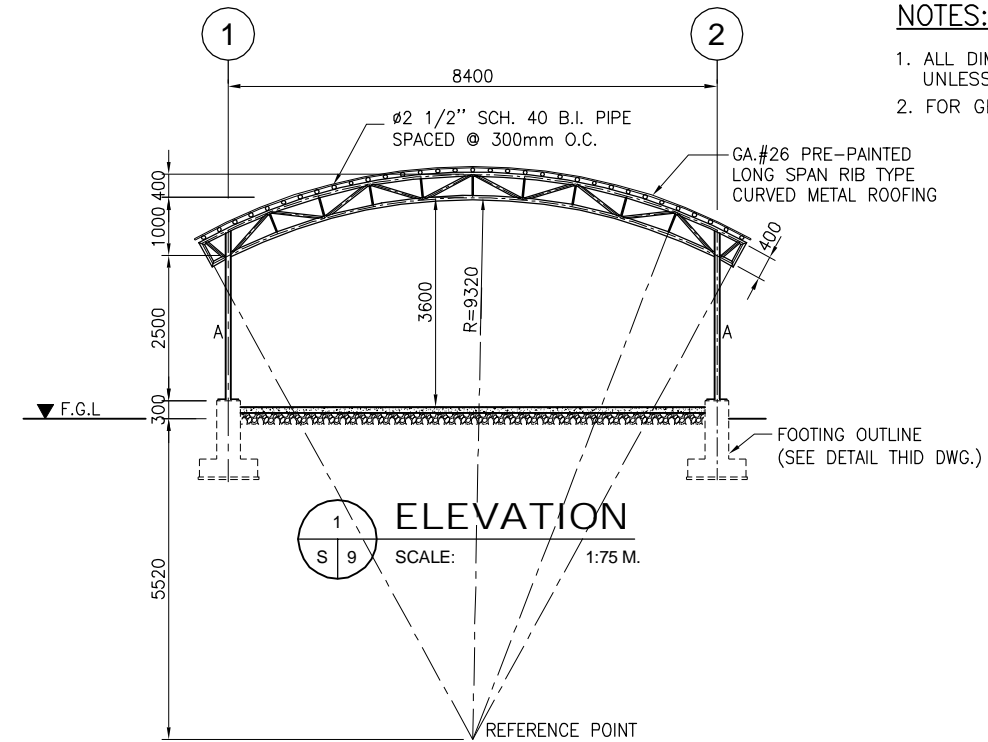
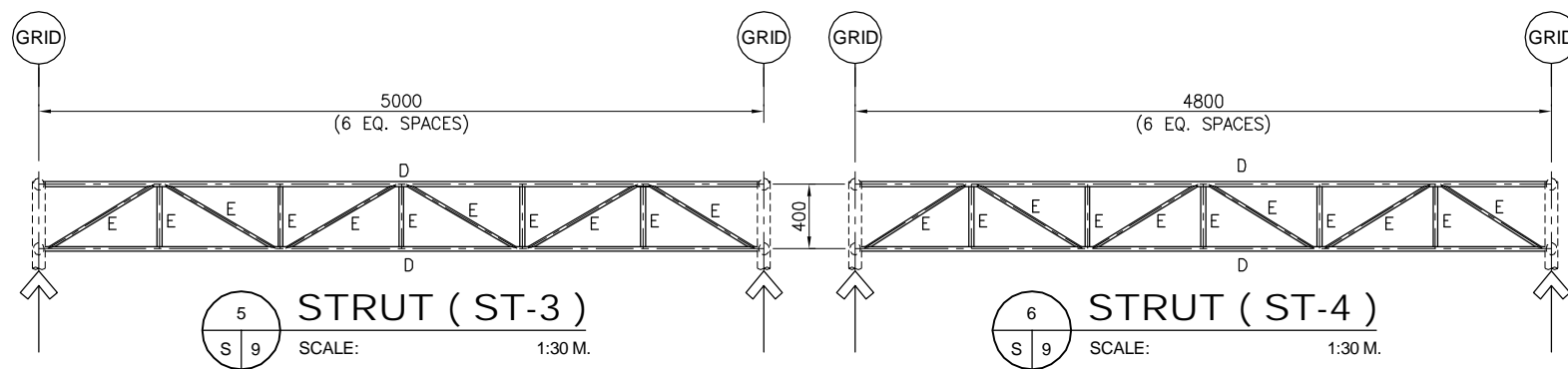
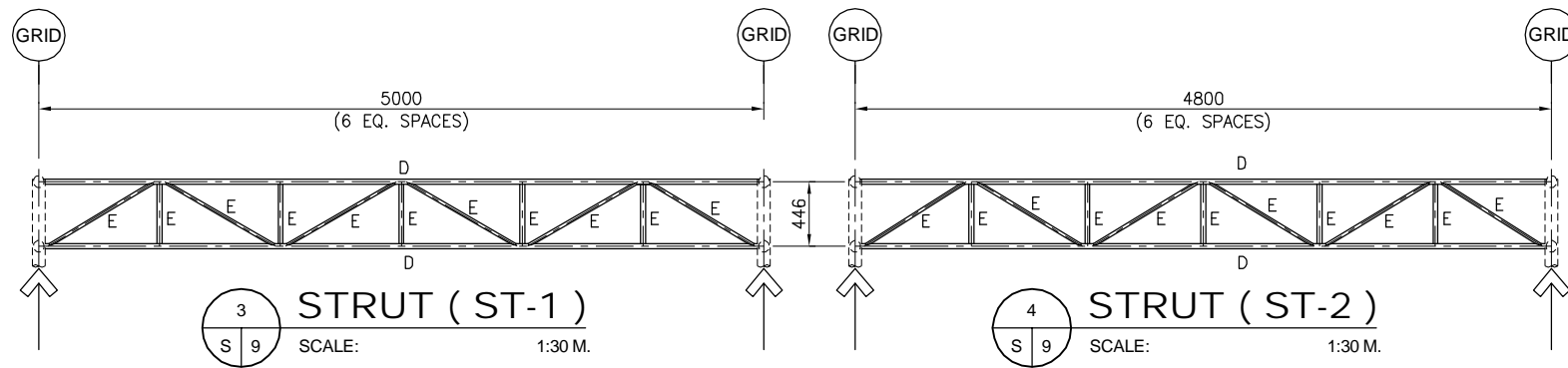
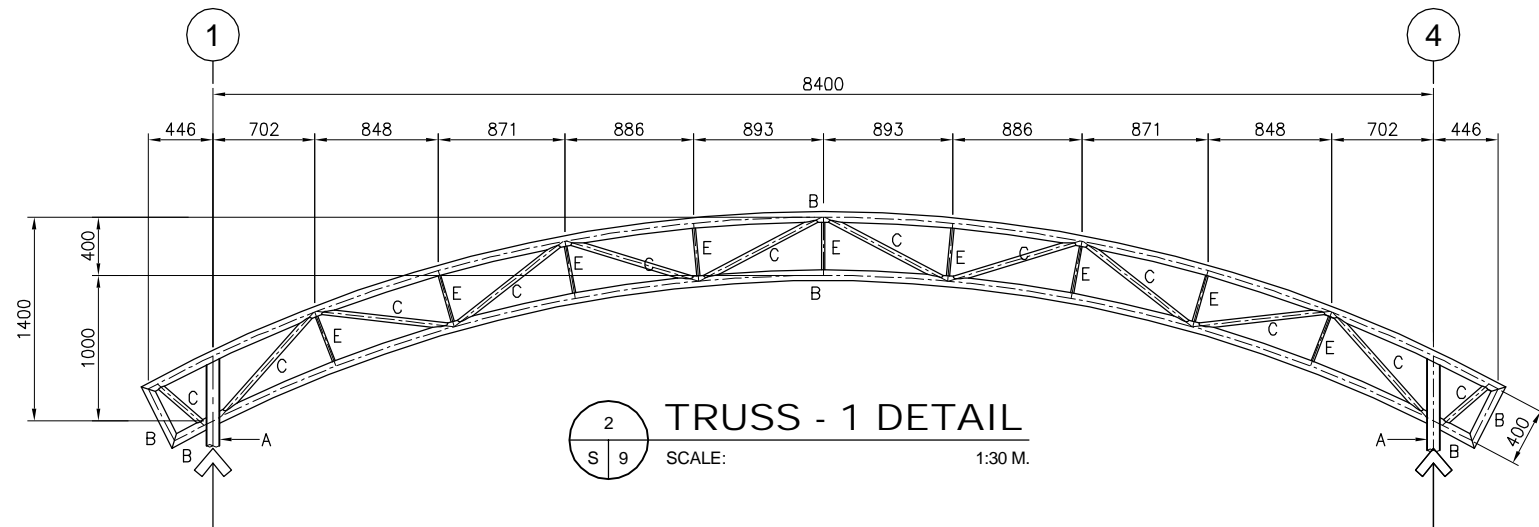
1. ALL DIMENSIONS SHOWN HEREIN ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. FOR GENERAL NOTES, REFER TO DRAWING NO. S-1.



GIBMA Engineering Services
Design - Construction - Project Management - Surveys

93 Kalikasan Street Karangalan Village Phase 2A, Dela Paz, Pasig City 1611
Tel. No.: 682 7114 Fax No.: 682 8467 Cellphone No.: 0920 9226441
URL: www.gibma.com E-mail: gibma2003@yahoo.com

CIVIL/STRUCTURAL ENGINEER:		PROJECT TITLE:	OWNER:	DATE:	REVISION:	DESCRIPTION:	DESIGNED BY:	JBNN	SHEET CONTENTS:	DRAWING NO.:
GILBERT B. MAGBUTAY		PROPOSED COVERED WALKWAY, PARKING AND DOST NORTH GATE SIGNAGE	METAL INDUSTRY RESEARCH AND DEVELOPMENT CENTER (MIRDC)				CADD BY:	BAS	COVERED MOTORCYCLE PARKING FOUNDATION PLAN ROOF FRAMING PLAN	S - 8
REG. NO.:	055251						DATE:			SHEET NO.:
DATE:	AUG. 1, 1989						CHECKED BY:	GBM		18 / 22
TIN:	106-459-911						APPROVED BY:			
ISSUED ON: JAN. 4, 2017		LOCATION:	ADDRESS:				DATE:			
ISSUED AT: PASIG CITY		GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA								

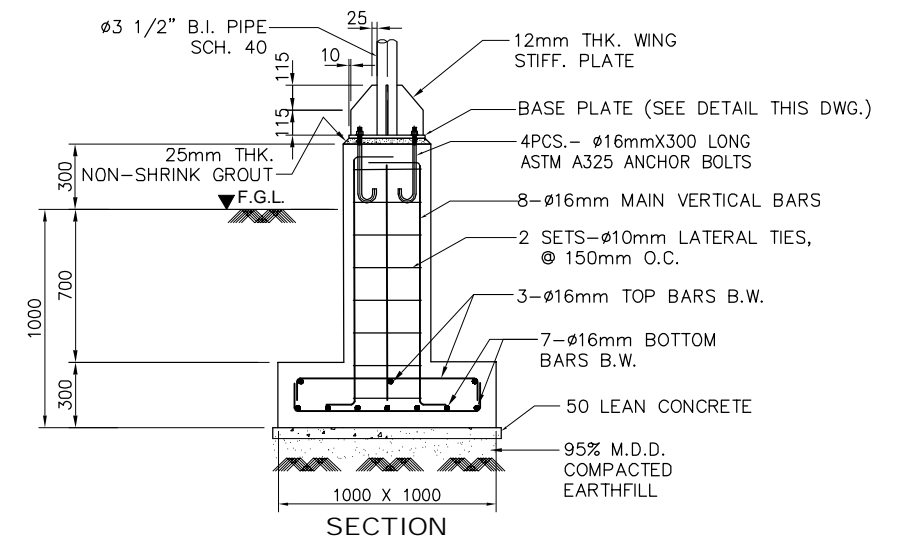
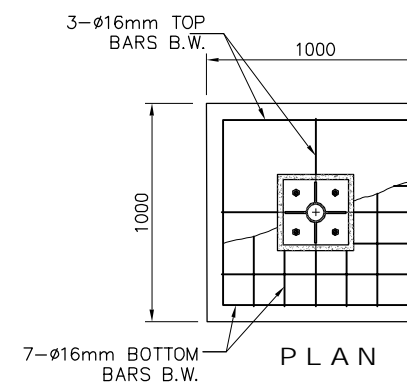
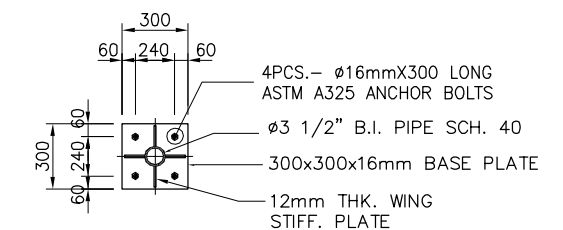
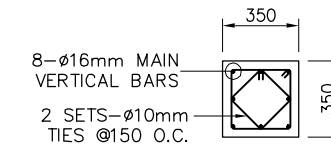


NOTES:

- ALL DIMENSIONS SHOWN HEREIN ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- FOR GENERAL NOTES, REFER TO DRAWING NO. S-1.

SCHEDULE OF STEEL SECTIONS

MARK	STEEL SECTION
A	Ø3 1/2" B.I. PIPE SCH. 40
B	Ø2 1/2" B.I. PIPE SCH. 40
C	Ø1 1/4" B.I. PIPE SCH. 40
D	Ø1" B.I. PIPE SCH. 40
E	Ø1/2" B.I. PIPE SCH. 40



GIBMA Engineering Services

Design - Construction - Project Management - Surveys
93 Kalikasan Street Karangalan Village Phase 2A, Dela Paz, Pasig City 1611
Tel. No.: 682 7114 Fax. No.: 682 8467 Cellphone No.: 0920 9226441
URL: www.gibma.com E-mail: gibma2003@yahoo.com

CIVIL / STRUCTURAL ENGINEER :

GILBERT B. MAGBUTAY

REG. NO.: 055251 PTR NO.: 2321899

DATE: AUG. 1, 1989 ISSUED ON: JAN. 4, 2017

TIN: 106-459-911 ISSUED AT: PASIG CITY

PROJECT TITLE :

PROPOSED COVERED WALKWAY, PARKING
AND DOST NORTH GATE SIGNAGE

LOCATION:

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

OWNER :

METAL INDUSTRY RESEARCH AND
DEVELOPMENT CENTER (MIRDC)

ADDRESS:

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

DATE:

REVISION :

DESCRIPTION:

DESIGNED BY :

JBN

CADD BY :

BAS

DATE:

CHECKED BY :

GBM

APPROVED BY :

DATE:

SHEET CONTENTS :

COVERED MOTORCYCLE PARKING

ELEVATION
TRUSS DETAIL - 1
STRUT - 1, 2, 3 & 4
FOOTING DETAIL

DRAWING NO. :

S - 9

SHEET NO. :

19 / 22

GENERAL NOTES:

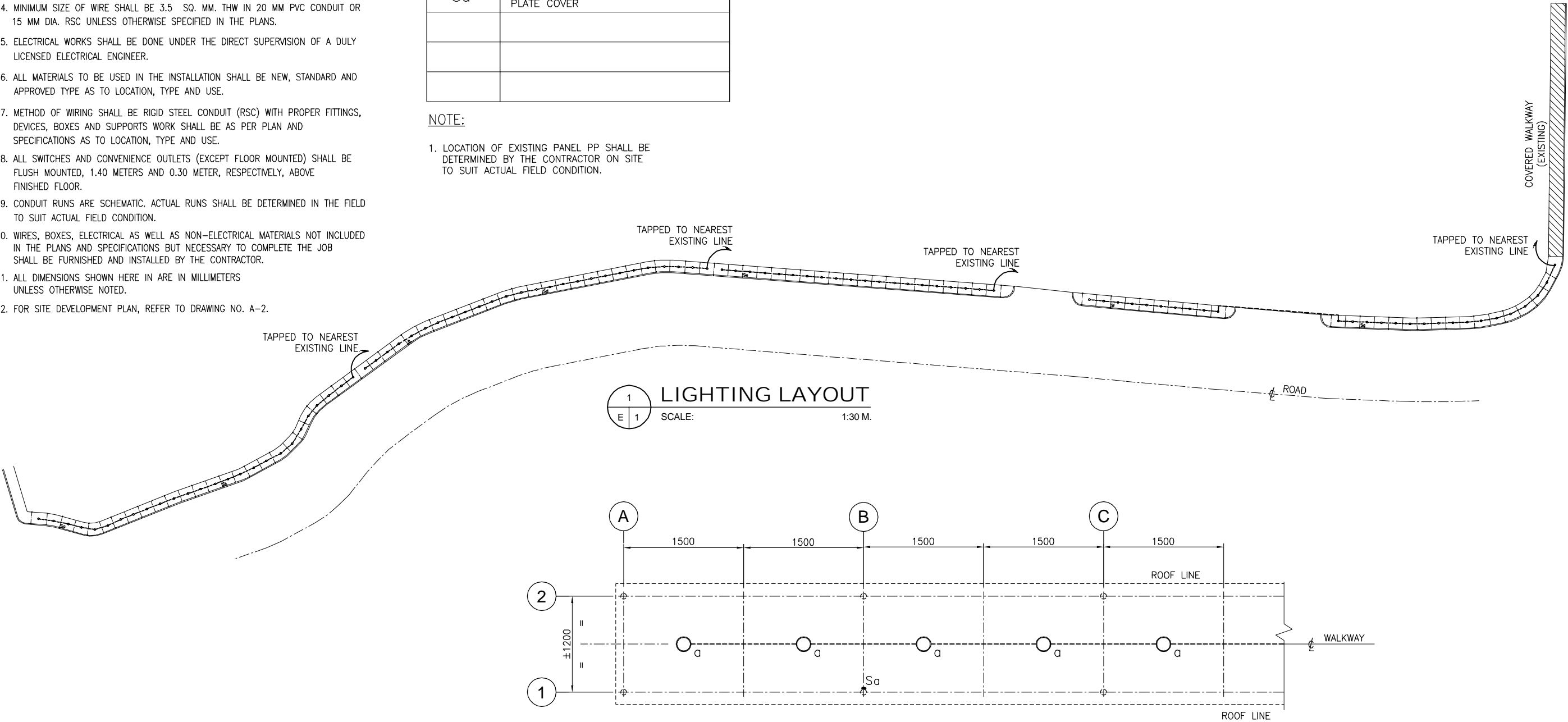
1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PERTINENT PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE.
2. LOCATION OF LIGHTING FIXTURES ARE APPROXIMATE ONLY. FINAL PROVISIONS SHALL BE DETERMINED ON SITE TO AVOID INTERFERENCE WITH OTHER SYSTEM AND/OR EQUIPMENTS.
3. METALLIC FRAMES OF EQUIPMENTS SHALL BE EFFECTIVELY GROUNDED.
4. MINIMUM SIZE OF WIRE SHALL BE 3.5 SQ. MM. THW IN 20 MM PVC CONDUIT OR 15 MM DIA. RSC UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER.
6. ALL MATERIALS TO BE USED IN THE INSTALLATION SHALL BE NEW, STANDARD AND APPROVED TYPE AS TO LOCATION, TYPE AND USE.
7. METHOD OF WIRING SHALL BE RIGID STEEL CONDUIT (RSC) WITH PROPER FITTINGS, DEVICES, BOXES AND SUPPORTS WORK SHALL BE AS PER PLAN AND SPECIFICATIONS AS TO LOCATION, TYPE AND USE.
8. ALL SWITCHES AND CONVENIENCE OUTLETS (EXCEPT FLOOR MOUNTED) SHALL BE FLUSH MOUNTED, 1.40 METERS AND 0.30 METER, RESPECTIVELY, ABOVE FINISHED FLOOR.
9. CONDUIT RUNS ARE SCHEMATIC. ACTUAL RUNS SHALL BE DETERMINED IN THE FIELD TO SUIT ACTUAL FIELD CONDITION.
10. WIRES, BOXES, ELECTRICAL AS WELL AS NON-ELECTRICAL MATERIALS NOT INCLUDED IN THE PLANS AND SPECIFICATIONS BUT NECESSARY TO COMPLETE THE JOB SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
11. ALL DIMENSIONS SHOWN HERE IN ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
12. FOR SITE DEVELOPMENT PLAN, REFER TO DRAWING NO. A-2.

LEGEND

-----	LIGHTING CIRCUIT
○	7W ECO LED BULB ON CELING RECEPTACLE
Sa	TWO-GANG SWITCH WITH WEATHERPROOF PLATE COVER

NOTE:

1. LOCATION OF EXISTING PANEL PP SHALL BE DETERMINED BY THE CONTRACTOR ON SITE TO SUIT ACTUAL FIELD CONDITION.



PARTIAL LIGHTING LAYOUT
SCALE: 1:30 M.



GIBMA Engineering Services
Design - Construction - Project Management - Surveys

93 Kalikasan Street Karangalan Village Phase 2A, Dela Paz, Pasig City 1611
Tel. No.: 682 7114 Fax. No.: 682 8467 Cellphone No.: 0920 9226441
URL: www.gibma.com E-mail: gibma2003@yahoo.com

PROFESSIONAL ELECTRICAL ENGINEER :		PROJECT TITLE :	OWNER :	DATE :	REVISION :	DESCRIPTION:	DESIGNED BY :		SHEET CONTENTS :	DRAWING NO. :
AMADOR L. CRUZ		PROPOSED COVERED WALKWAY, PARKING AND DOST NORTH GATE SIGNAGE	METAL INDUSTRY RESEARCH AND DEVELOPMENT CENTER (MIRDC)				CADD BY :	RHV	COVERED WALKWAY LIGHTING LAYOUT NOTES & LEGEND	E - 1
REG. NO. :	0002267	PTR NO. :	6669191				DATE :			SHEET NO. :
DATE :	10 - 03 - 88	ISSUED ON :	JAN. 3, 2017	LOCATION :			CHECKED BY :	ALC / GBM		20 / 22
TIN :	138-735-734	ISSUED AT :	MARIKINA CITY	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA			APPROVED BY :			
				GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA			DATE :			

GENERAL NOTES:

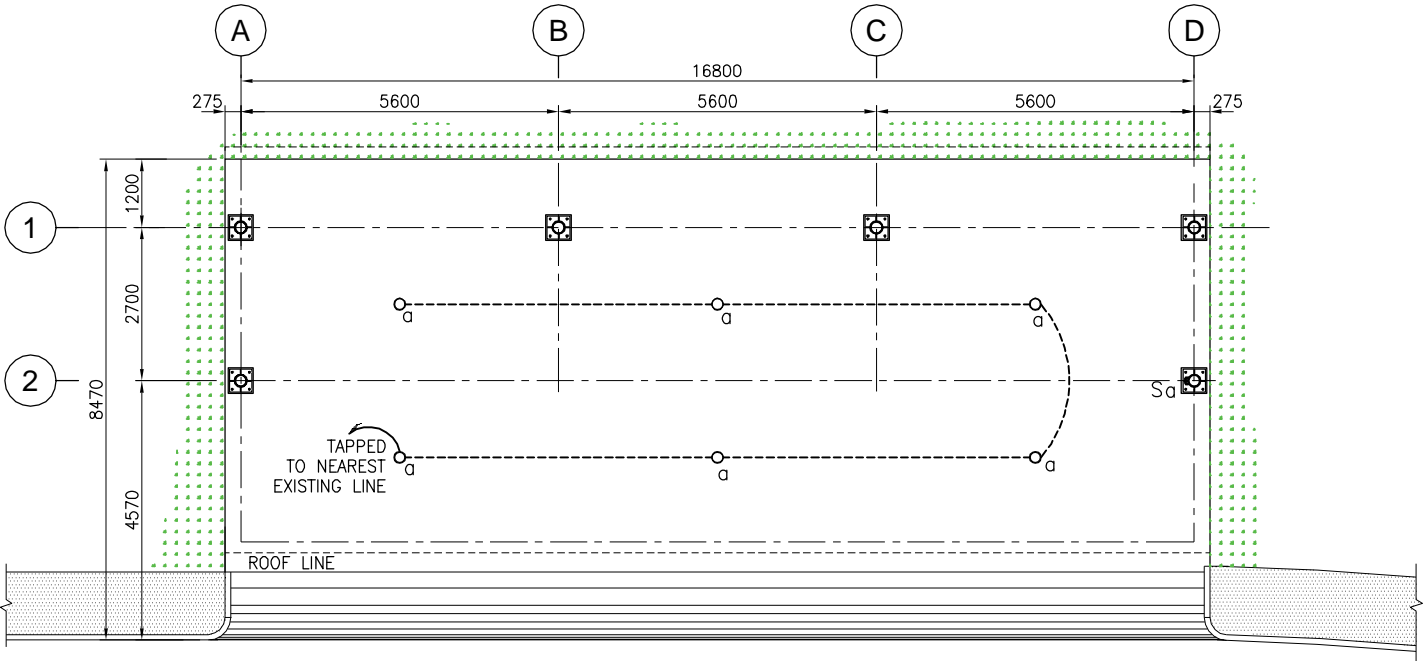
1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PERTINENT PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE.
2. LOCATION OF LIGHTING FIXTURES ARE APPROXIMATE ONLY. FINAL PROVISIONS SHALL BE DETERMINED ON SITE TO AVOID INTERFERENCE WITH OTHER SYSTEM AND/OR EQUIPMENTS.
3. METALLIC FRAMES OF EQUIPMENTS SHALL BE EFFECTIVELY GROUNDED.
4. MINIMUM SIZE OF WIRE SHALL BE 3.5 SQ. MM. THW IN 20 MM PVC CONDUIT OR 15 MM DIA. RSC UNLESS OTHERWISE SPECIFIED IN THE PLANS.
5. ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER.
6. ALL MATERIALS TO BE USED IN THE INSTALLATION SHALL BE NEW, STANDARD AND APPROVED TYPE AS TO LOCATION, TYPE AND USE.
7. METHOD OF WIRING SHALL BE RIGID STEEL CONDUIT (RSC) WITH PROPER FITTINGS, DEVICES, BOXES AND SUPPORTS WORK SHALL BE AS PER PLAN AND SPECIFICATIONS AS TO LOCATION, TYPE AND USE.
8. ALL SWITCHES AND CONVENIENCE OUTLETS (EXCEPT FLOOR MOUNTED) SHALL BE FLUSH MOUNTED, 1.40 METERS AND 0.30 METER, RESPECTIVELY, ABOVE FINISHED FLOOR.
9. CONDUIT RUNS ARE SCHEMATIC. ACTUAL RUNS SHALL BE DETERMINED IN THE FIELD TO SUIT ACTUAL FIELD CONDITION.
10. WIRES, BOXES, ELECTRICAL AS WELL AS NON-ELECTRICAL MATERIALS NOT INCLUDED IN THE PLANS AND SPECIFICATIONS BUT NECESSARY TO COMPLETE THE JOB SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
11. ALL DIMENSIONS SHOWN HERE IN ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
12. FOR SITE DEVELOPMENT PLAN, REFER TO DRAWING NO. A-2.

LEGEND

-----	LIGHTING CIRCUIT
○	18W HIGH POWER LED BULB ON CELING RECEPTACLE
Sa	ONE-GANG SWITCH WITH WEATHERPROOF PLATE COVER

NOTE:

1. LOCATION OF EXISTING PANEL PP SHALL BE DETERMINED BY THE CONTRACTOR ON SITE TO SUIT ACTUAL FIELD CONDITION.



1
E 1

LIGHTING LAYOUT

SCALE: 1:75 M.



GIBMA Engineering Services

Design - Construction - Project Management - Surveys

93 Kalikasan Street Karangalan Village Phase 2A, Dela Paz, Pasig City 1611
Tel. No.: 682 7114 Fax. No.: 682 8467 Cellphone No.: 0920 9226441
URL: www.gibma.com E-mail: gibma2003@yahoo.com

PROFESSIONAL ELECTRICAL ENGINEER :

AMADOR L. CRUZ

REG. NO. : 0002267

PTR NO. : 6669191

DATE : 10 - 03 - 88

ISSUED ON : JAN. 3, 2017

TIN : 138-735-734

ISSUED AT : MARIKINA CITY

PROJECT TITLE :

PROPOSED COVERED WALKWAY, PARKING
AND DOST NORTH GATE SIGNAGE

LOCATION :

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

OWNER :

METAL INDUSTRY RESEARCH AND
DEVELOPMENT CENTER (MIRDC)

ADDRESS :

GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA

DATE :

REVISION :

DESCRIPTION:

DESIGNED BY :

.

CADD BY :

RHV

DATE :

CHECKED BY :

ALC / GBM

APPROVED BY :

DATE :

SHEET CONTENTS :

COVERED CAR PARKING

LIGHTING LAYOUT
NOTES & LEGEND

DRAWING NO. :

E - 2

SHEET NO. :

21 / 22

GENERAL NOTES:

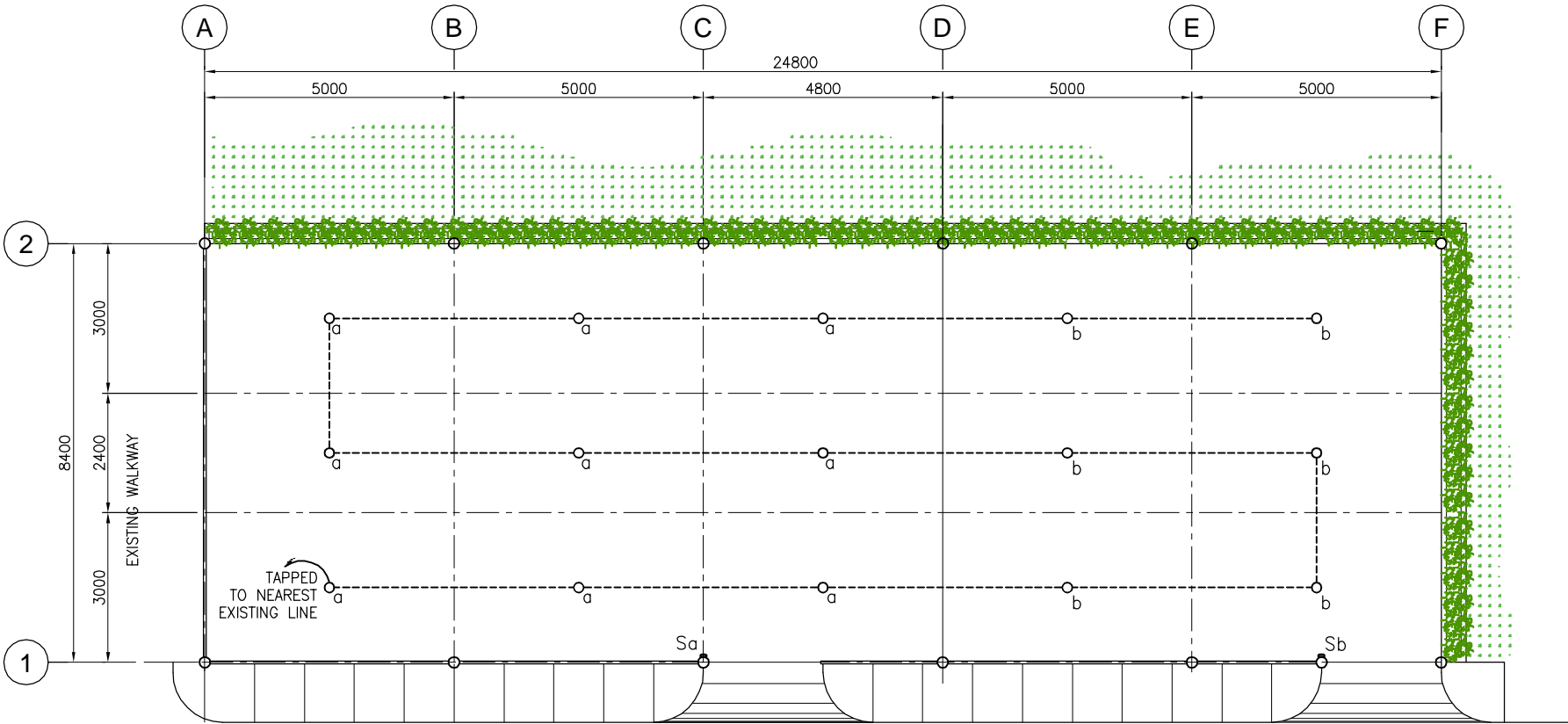
1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PERTINENT PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE.
2. LOCATION OF LIGHTING FIXTURES ARE APPROXIMATE ONLY. FINAL PROVISIONS SHALL BE DETERMINED ON SITE TO AVOID INTERFERENCE WITH OTHER SYSTEM AND/OR EQUIPMENTS.
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4. MINIMUM SIZE OF WIRE SHALL BE 3.5 SQ. MM. THW IN 20 MM PVC CONDUIT OR 15 MM DIA. RSC UNLESS OTHERWISE SPECIFIED IN THE PLANS.
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11. ALL DIMENSIONS SHOWN HERE IN ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
12. FOR SITE DEVELOPMENT PLAN, REFER TO DRAWING NO. A-2.

LEGEND

-----	LIGHTING CIRCUIT
○	18W HIGH POWER LED BULB ON CELING RECEPTACLE
Sa	ONE-GANG SWITCH WITH WEATHERPROOF PLATE COVER

NOTE:

1. LOCATION OF EXISTING PANEL PP SHALL BE DETERMINED BY THE CONTRACTOR ON SITE TO SUIT ACTUAL FIELD CONDITION.



1 LIGHTING LAYOUT
E 1 SCALE: 1:75 M.



GIBMA Engineering Services
Design - Construction - Project Management - Surveys

93 Kalikasan Street Karangalan Village Phase 2A, Dela Paz, Pasig City 1611
Tel. No.: 682 7114 Fax. No.: 682 8467 Cellphone No.: 0920 9226441
URL: www.gibma.com E-mail: gibma2003@yahoo.com

PROFESSIONAL ELECTRICAL ENGINEER :		PROJECT TITLE :	OWNER :	DATE :	REVISION :	DESCRIPTION :	DESIGNED BY :	SHEET CONTENTS : COVERED MOTORCYCLE PARKING LIGHTING LAYOUT NOTES & LEGEND	DRAWING NO. :
AMADOR L. CRUZ		PROPOSED COVERED WALKWAY, PARKING AND DOST NORTH GATE SIGNAGE	METAL INDUSTRY RESEARCH AND DEVELOPMENT CENTER (MIRDC)				CADD BY : RHV		E - 3
REG. NO. :	0002267	PTR NO. :	6669191				DATE :		SHEET NO. :
DATE :	10 - 03 - 88	ISSUED ON :	JAN. 3, 2017	LOCATION :	ADDRESS :		CHECKED BY : ALC / GBM		22 / 22
TIN :	138-735-734	ISSUED AT :	MARIKINA CITY	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA	GEN. SANTOS AVE., BICUTAN, TAGUIG CITY, METRO MANILA		APPROVED BY :		
							DATE :		