



1 PERSPECTIVE  
NTS:



TIN :  
PRC :  
PTR :  
Date :  
Place :

Approved by :



Project Title :  
  
**COMPLETION OF COVERED COURTS**  
  
Location : 4 - External Campus

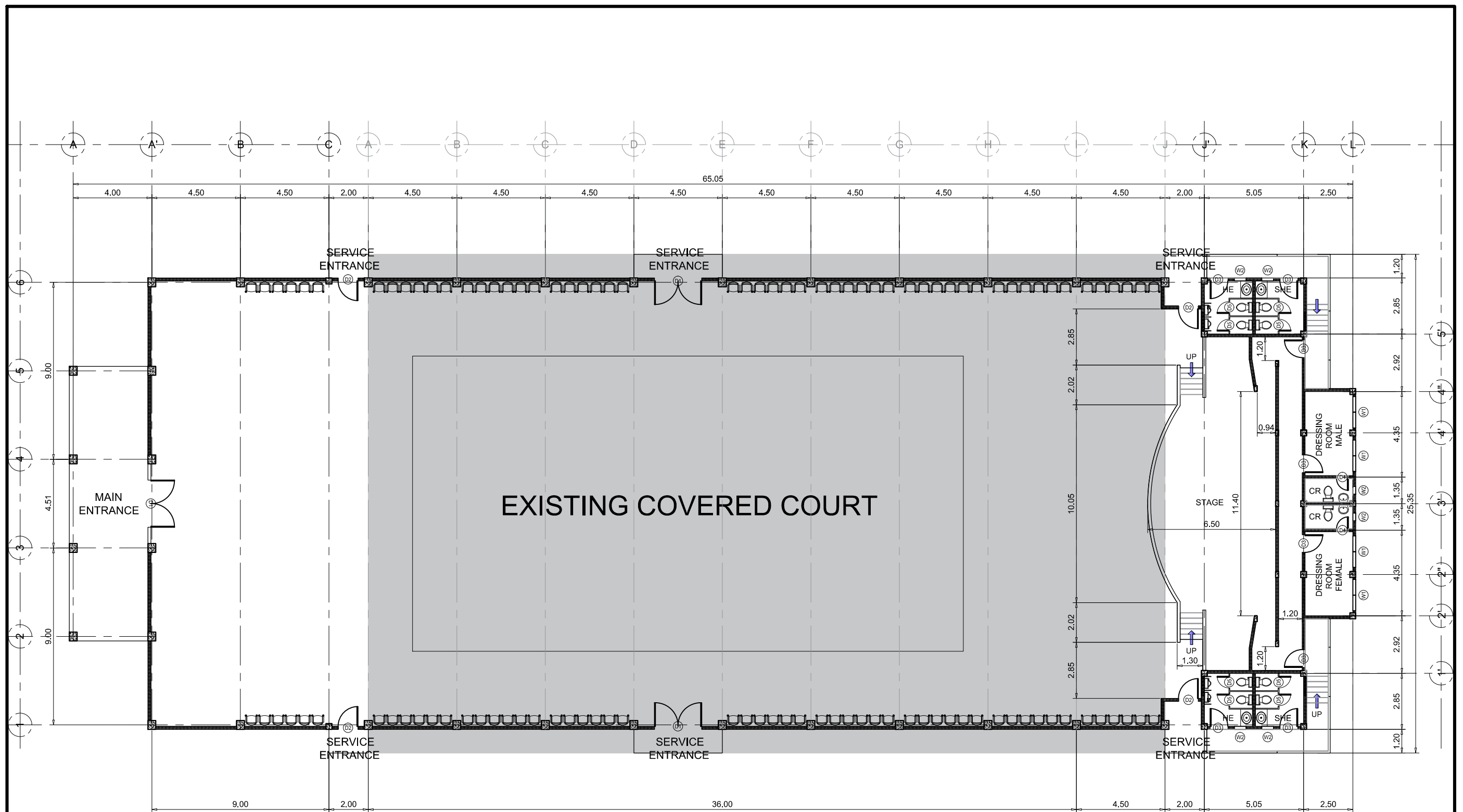
Checked by :  
  
**Engr. MARIO LILIO P. VALENZONA**  
  
DIRECTOR, GSD

Conformed by :  
  
**Dr. REMBERTO A. PATINDOL**  
  
VP OF ADMINISTRATIVE AND FINANCE

Approved by :  
  
**Dr. EDGARDO E. TULIN**  
  
VSU PRESIDENT

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AutoCAD by :  
Date Started :  
Date Finished :  
Place :

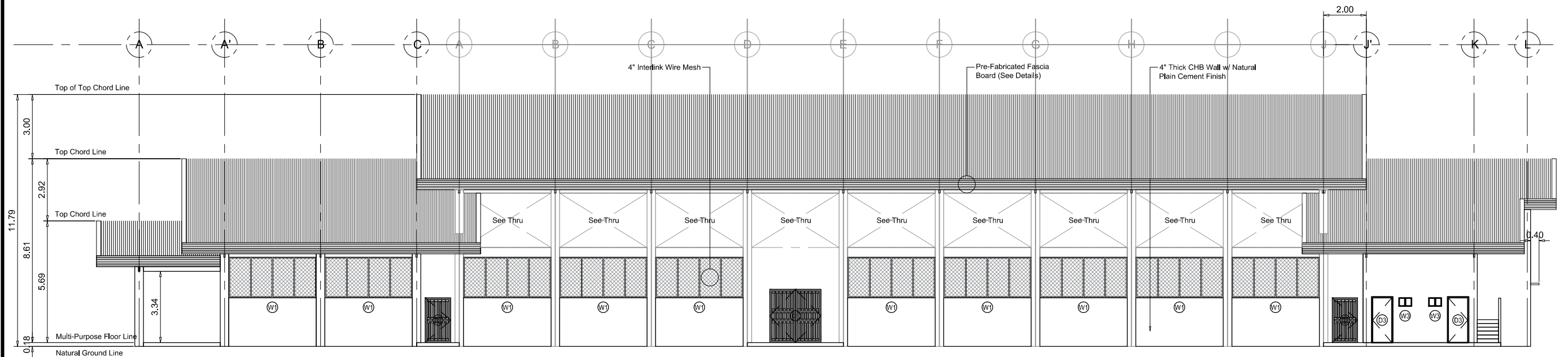
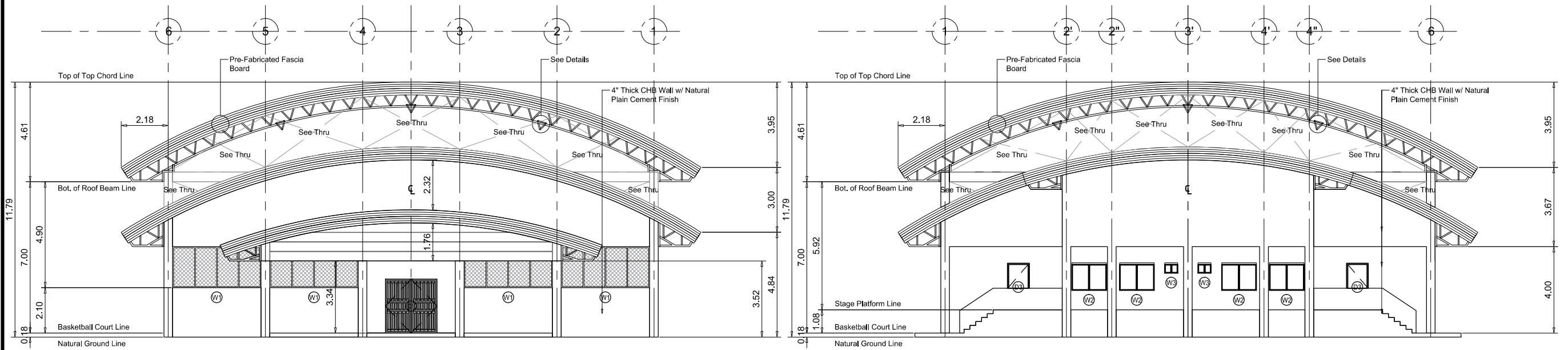
A5 01  
SHEET NO.  
01 18



1 FLOOR PLAN  
Scale: 1:200

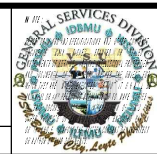
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	PRC :		<b>COMPLETION OF COVERED COURTS</b>	<b>Engr. MARIO LILLO P. VALENZONA</b>	<b>Dr. REMBERTO A. PATINDOL</b>	<b>Dr. EDGARDO E. TULIN</b>	AutoCAD by :	
	PTR :						Date Started :	
	Date :						Date Finished :	
	Place :		Location : 4 - External Campus	DIRECTOR, GSD	VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT	Place :	





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**COMPLETION OF COVERED COURTS**

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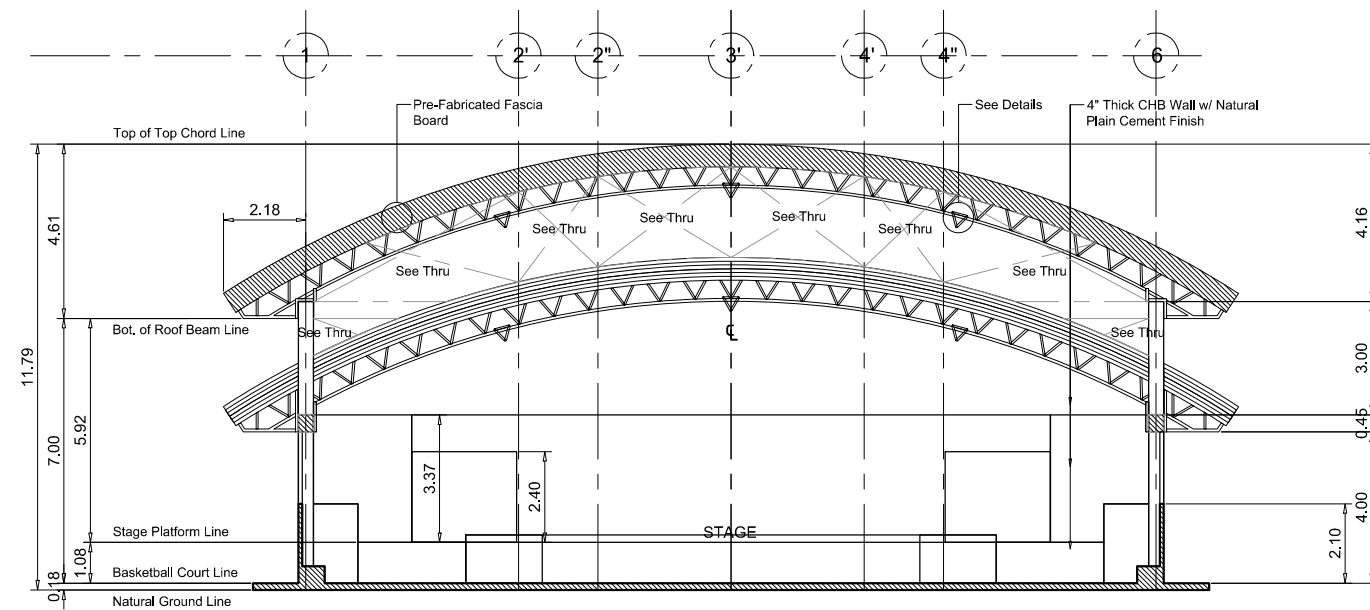
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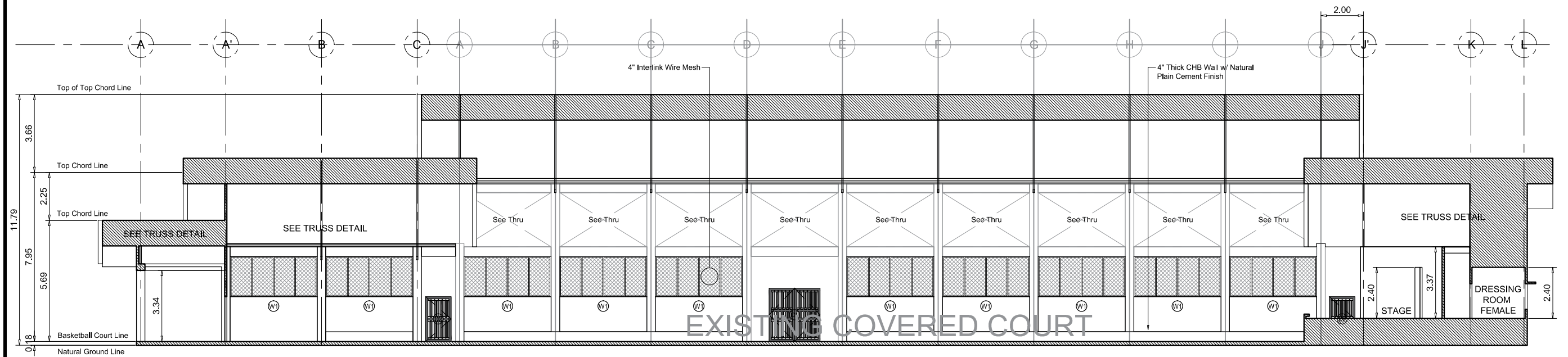
**A5 03**

SHEET NO.

**03 18**



1 CROSS SECTION - XX  
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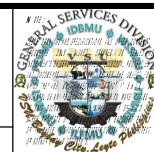


2 LONGITUDINAL SECTION - YY  
Scale: 1:200



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**COMPLETION OF COVERED COURTS**  
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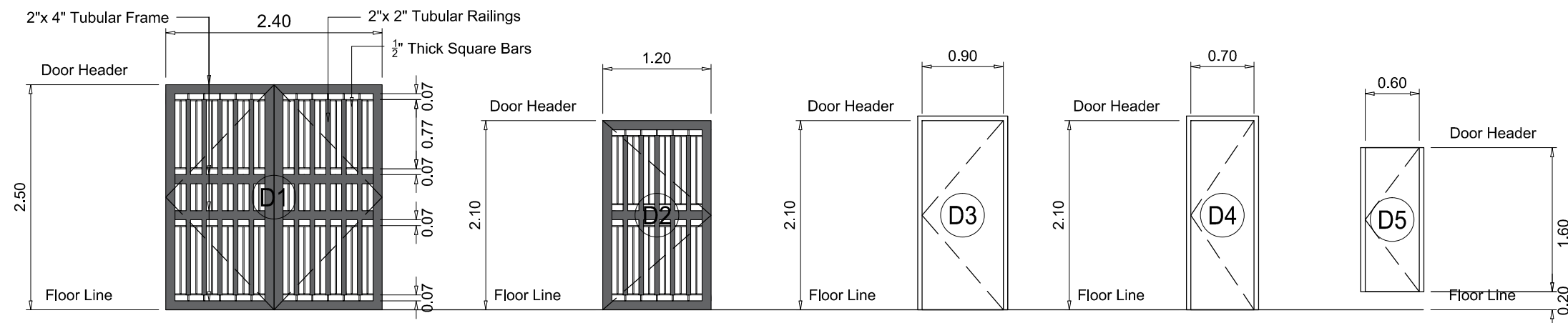
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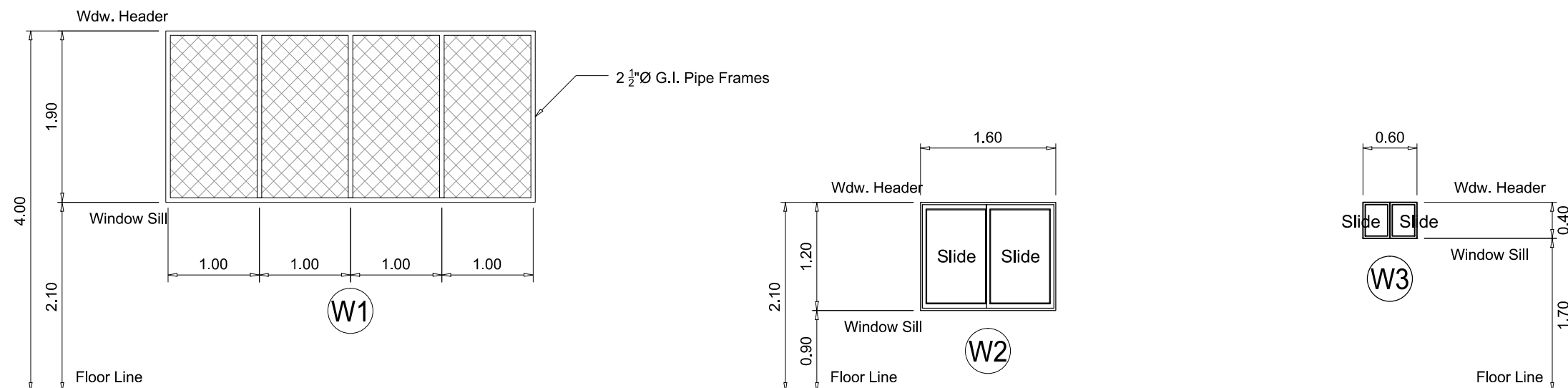
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SHEET NO.  
04 18



**SCHEDULE OF DOORS** SCALE : 1:60M.

NO. OF DOORS	DESIGNATION	HEIGHT	WIDTH	TRANSOM	NO. OF SETS	REMARKS
D1	2 Panel Door	2500 mm	2400 mm	NONE	3	2Panel Swing Doors w/ 2"X 6" Tubular Frame & 2"x 4" Tubular Railings w/ 1/2" Square Bars
D2	1 Panel Door	-DO-	1200 mm	NONE	4	1Panel Swing Doors w/ 2"X 6" Tubular Frame & 2"x 4" Tubular Railings w/ 1/2" Square Bars
D3	1 Panel Door	2100 mm	900 mm	NONE	8	1Panel Hollow Core Flush Type Door on 2"x 6" Guijo Door Jamb
D4	1 Panel Door	2100 mm	700 mm	NONE	2	1Panel Hollow Core Flush Type Door on 2"x 6" Guijo Door Jamb
D5	1 Panel Door	1600 mm	600 mm	NONE	8	1Panel Hollow Core Flush Type Door on 2"x 6" Guijo Door Jamb



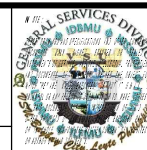
**SCHEDULE OF WINDOWS** SCALE : 1:60M.

NO. OF WINDOWS	DESIGNATION	HEIGHT	WIDTH	SILL HEIGHT	TRANSOM	NO. OF SETS	REMARKS
W1	4 Panel Window	1900 mm	4000 mm	2100 mm	NONE	24	4Panel w/ 2 1/2"Ø G.I. Pipe Frame w/ 4" Interlink Wire Mesh
W2	2 Panel Window	1200 mm	1600 mm	900 mm	NONE	4	2 Sliding Panel w/ 1/4" Clear Glass Window on White Coated Aluminum Frame
W3	2 Panel Window	400 mm	600 mm	1700 mm	-DO-	6	2 Sliding Panel w/ 1/4" Clear Glass Window on White Coated Aluminum Frame



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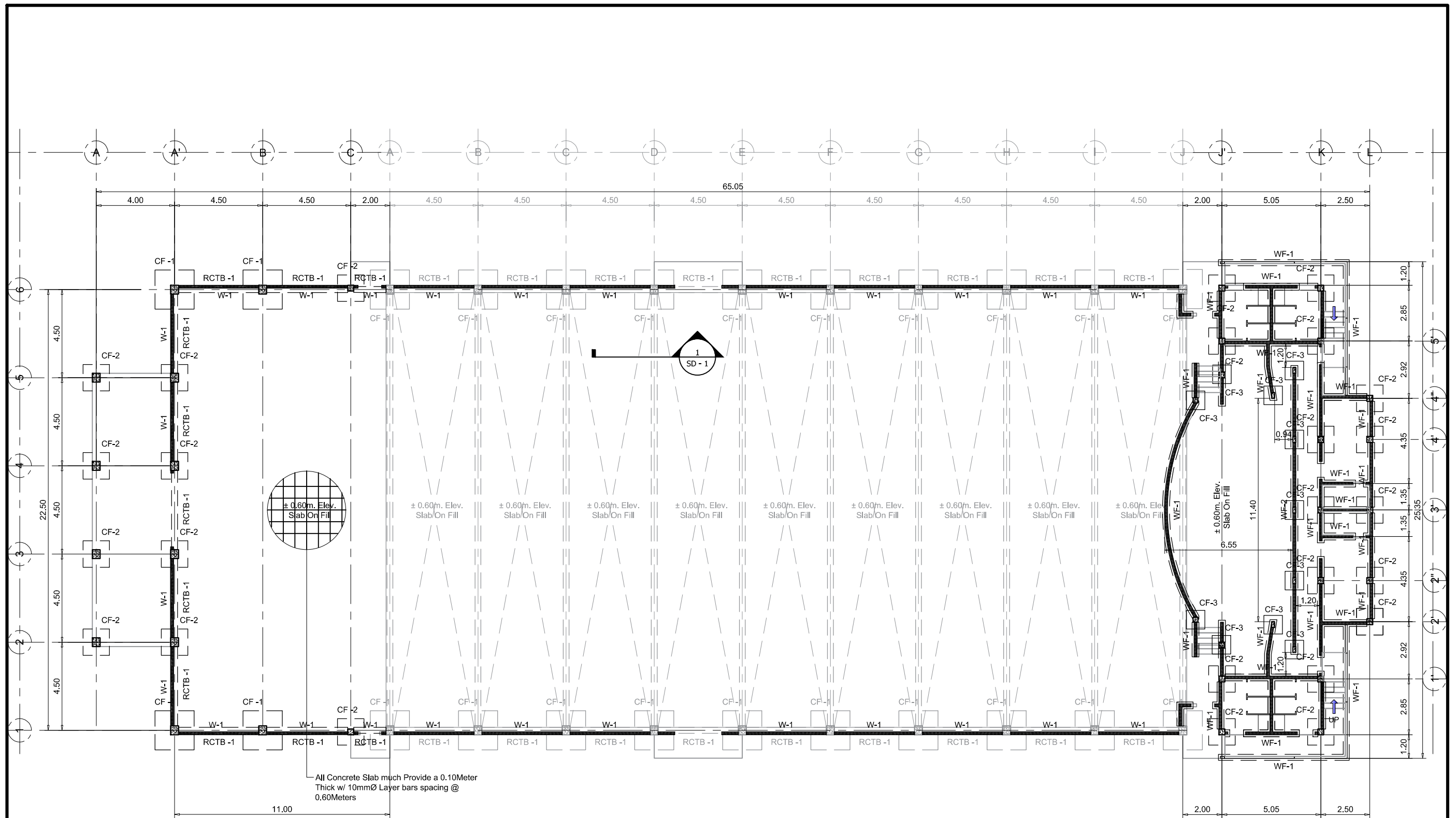
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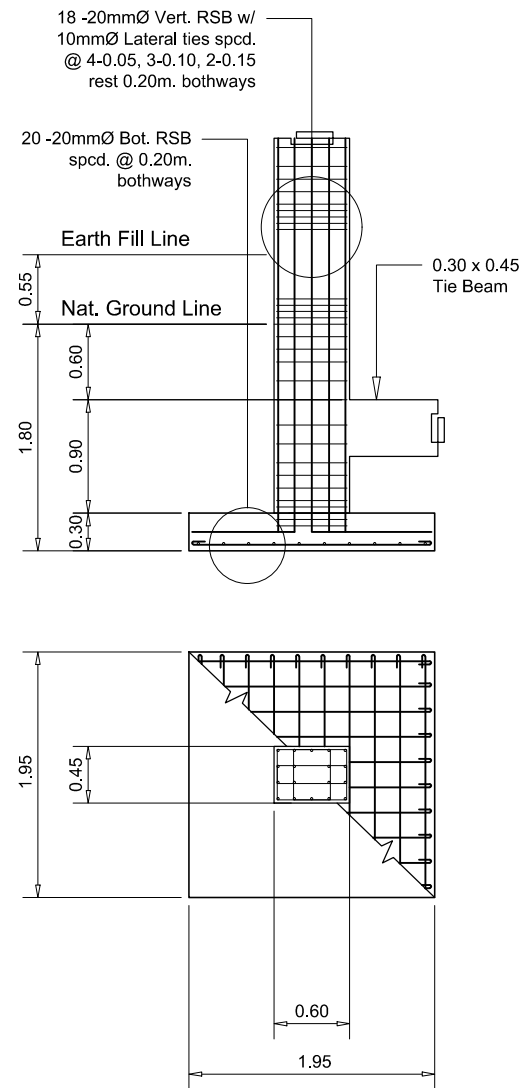
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**05 18**

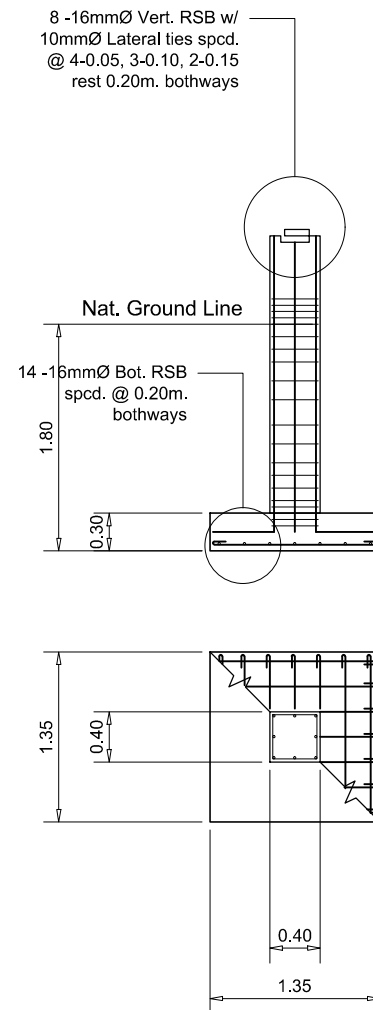


1 FOUNDATION PLAN  
Scale: 1:200

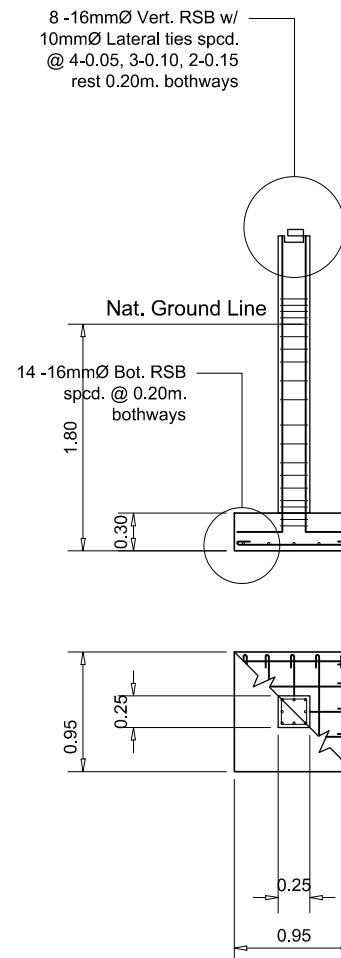
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	PRC :			<b>COMPLETION OF COVERED COURTS</b>	<b>Engr. MARIO LILIO P. VALENZONA</b>	<b>Dr. REMBERTO A. PATINDOL</b>	<b>Dr. EDGARDO E. TULIN</b>	AutoCAD by :	
	PTR :							Date Started :	
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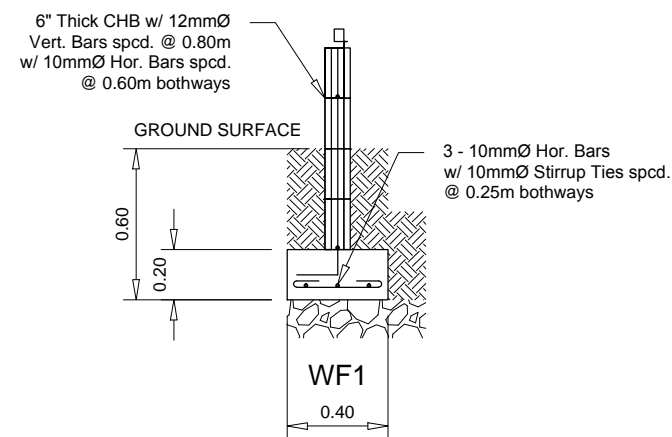
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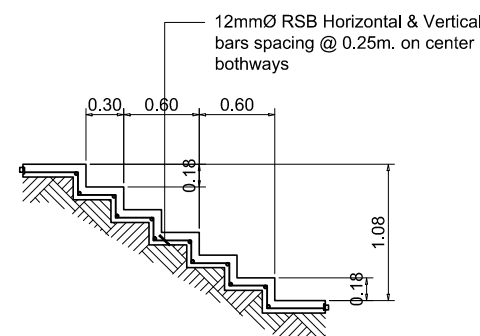
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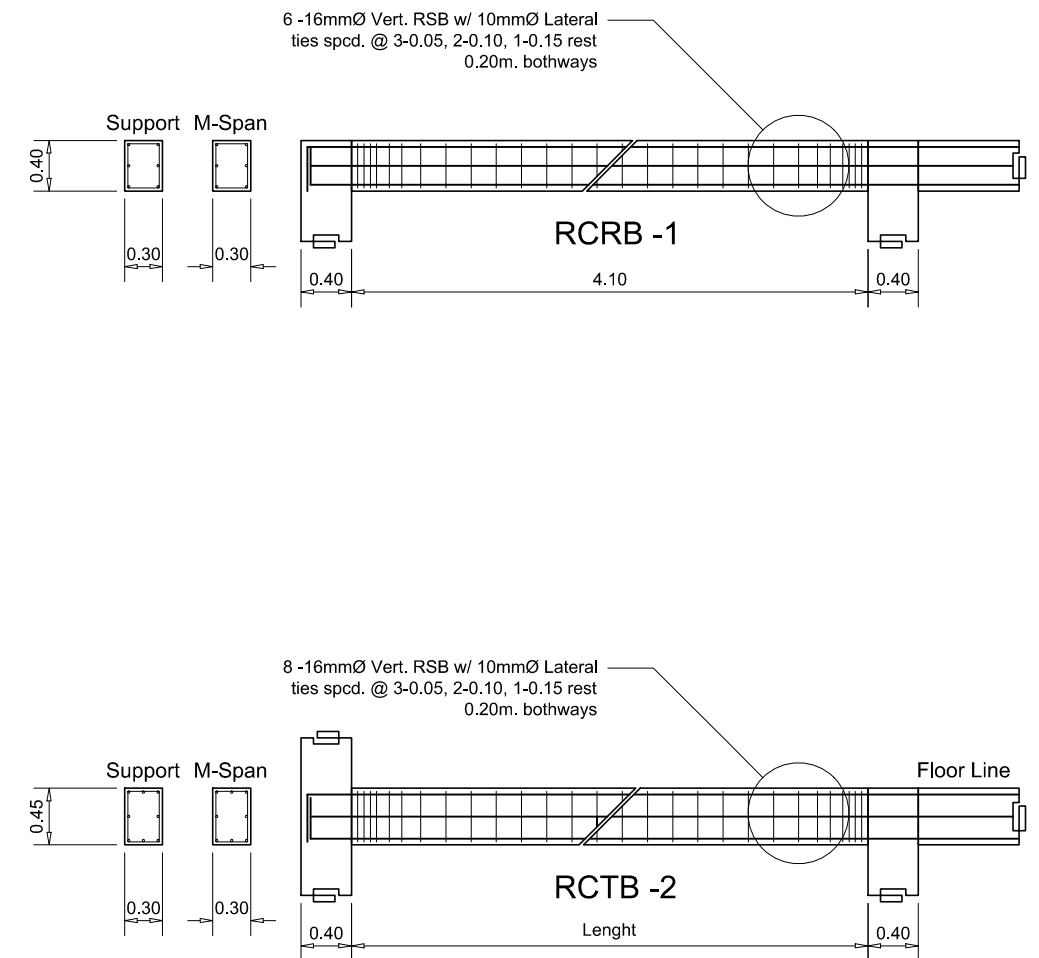
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1 DETAIL OF R.C. COLUMNS, WALLS & FOOTINGS  
Scale: 1:30



2 DETAIL OF R.C. STAIR  
Scale: 1:30

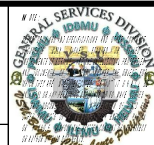


3 DETAIL OF R.C. BEAMS  
Scale: 1:30



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**COMPLETION OF COVERED COURTS**  
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DIRECTOR, GSD

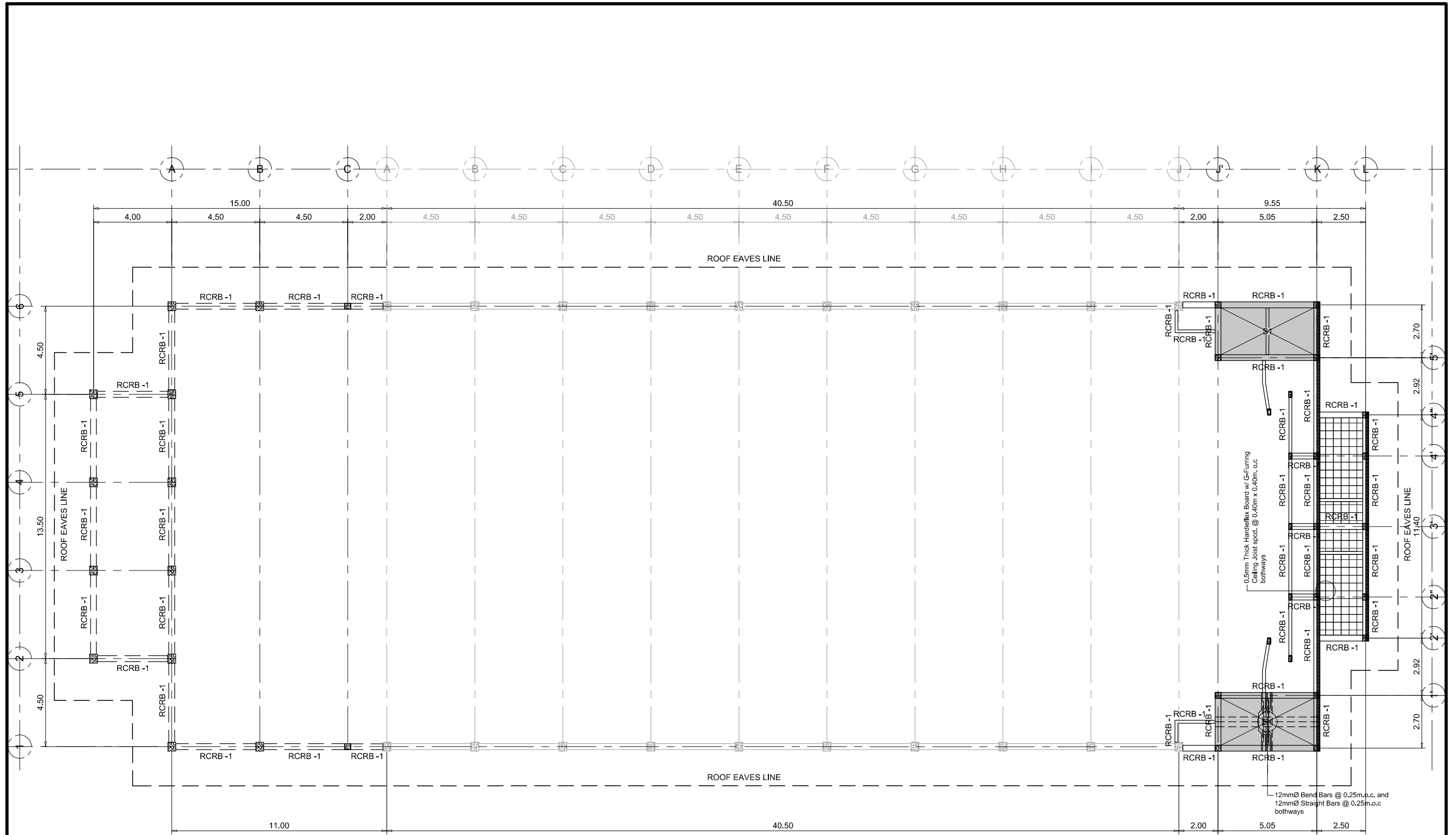
Conformed by :  
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VP OF ADMINISTRATIVE AND FINANCE

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VSU PRESIDENT

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S7 02  
SHEET NO.  
07 18





1 ROOF BEAMS FRAMING PLAN  
Scale: 1:200



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**COMPLETION OF COVERED COURTS**  
  
Location : 4 - External Campus

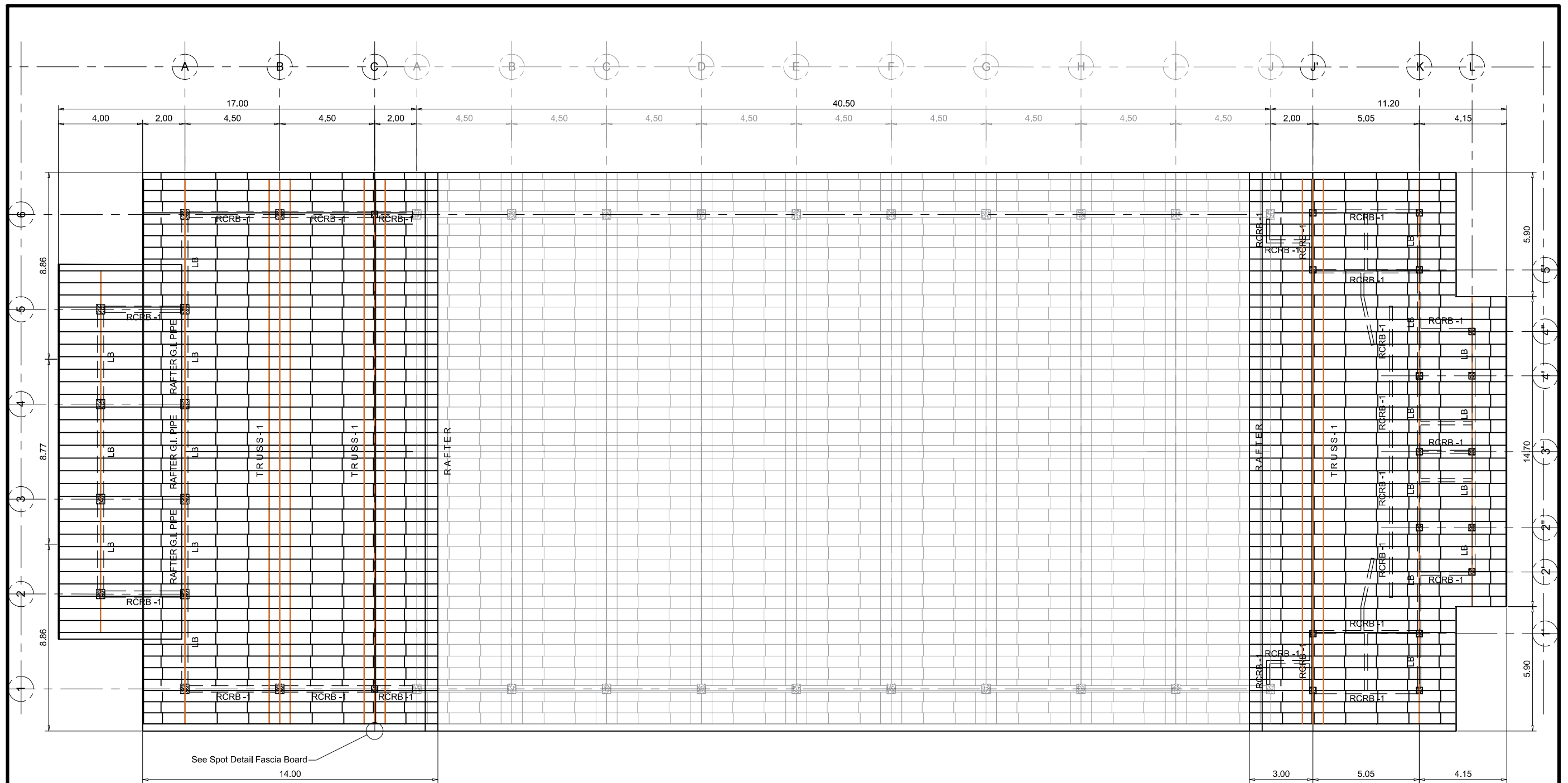
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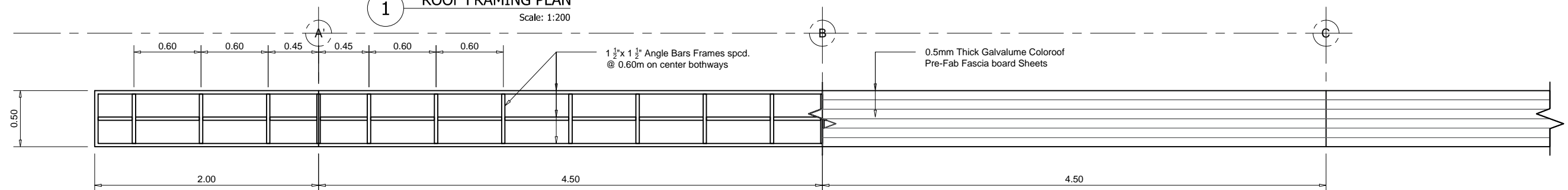
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AutoCAD by :  
Date Started :  
Date Finished :  
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S7 03  
SHEET NO.  
08 18





1 ROOF FRAMING PLAN  
Scale: 1:200



2 DETAIL OF FASCIA BOARD  
Scale: 1:40



TIN :  
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AutoCAD by :

Date Started :

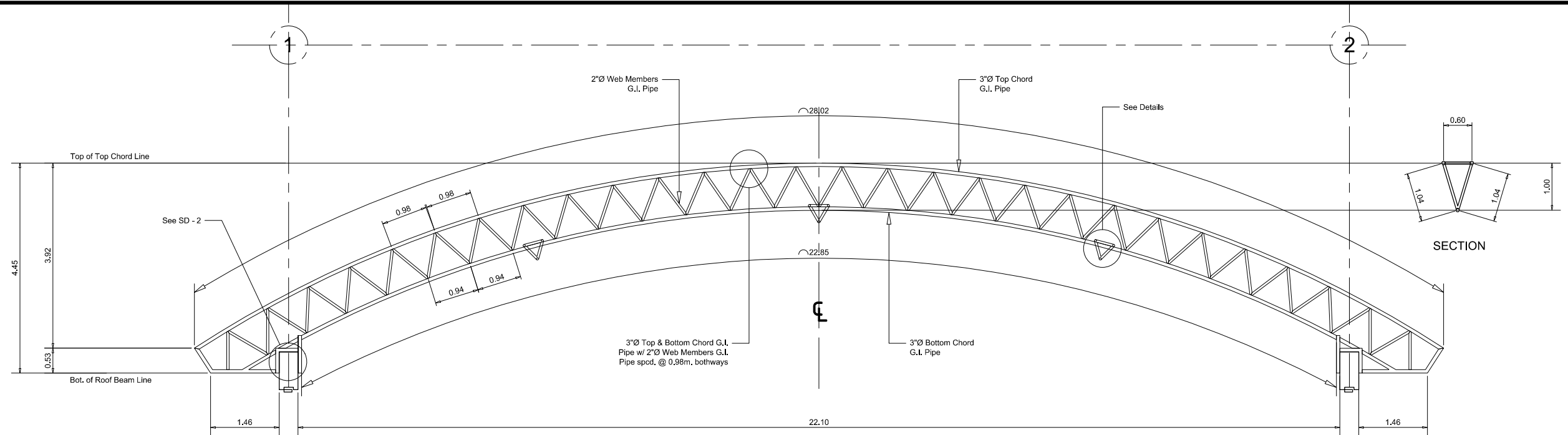
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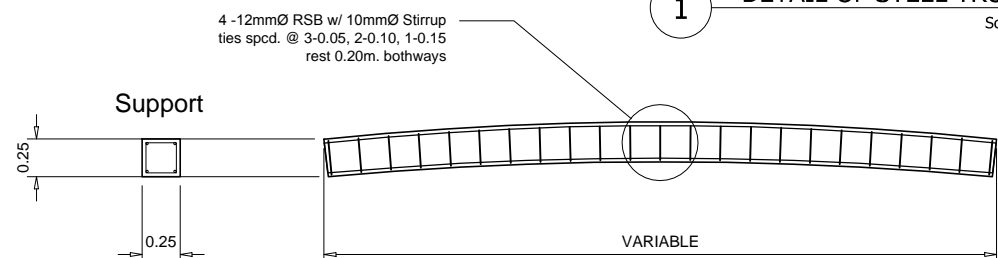
S7 04

SHEET NO.

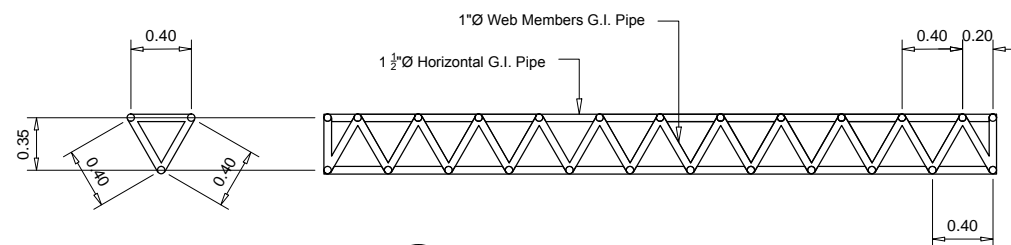
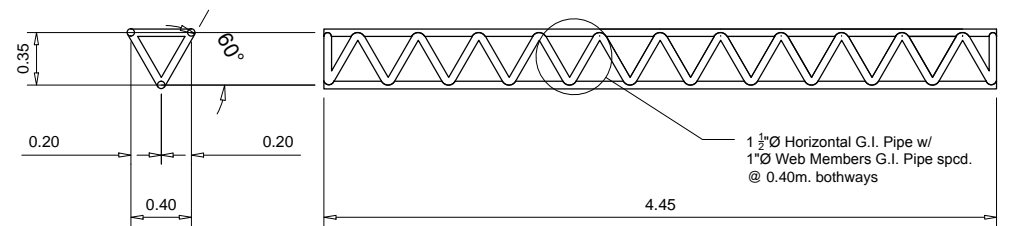
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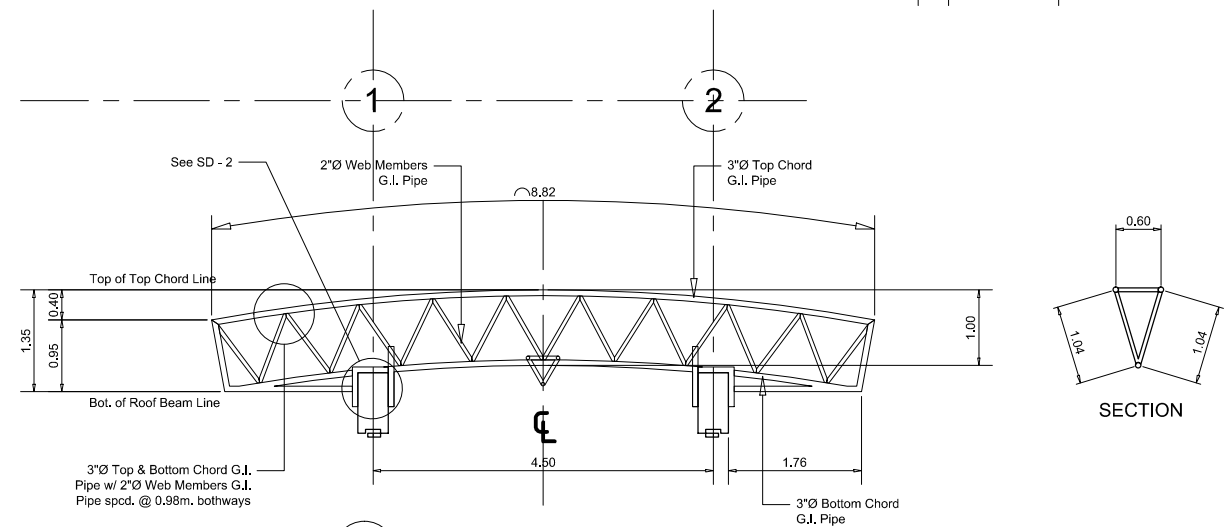
**1 DETAIL OF STEEL TRUSS - 1**  
Scale: 1:100



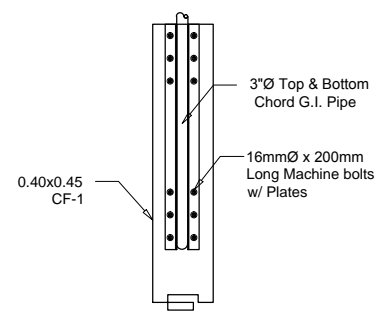
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Scale: 1:50



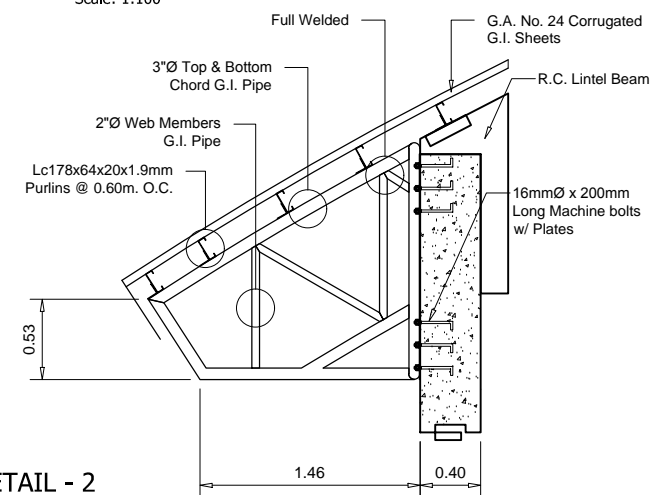
**3 DETAIL OF STEEL BRACE**  
Scale: 1:50



**4 DETAIL OF STEEL TRUSS - 2**  
Scale: 1:100



**5 SPOT DETAIL - 1**  
Scale: 1:50



**6 SPOT DETAIL - 2**  
Scale: 1:50



TIN :  
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Date :  
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**COMPLETION OF COVERED COURTS**

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Date Started :

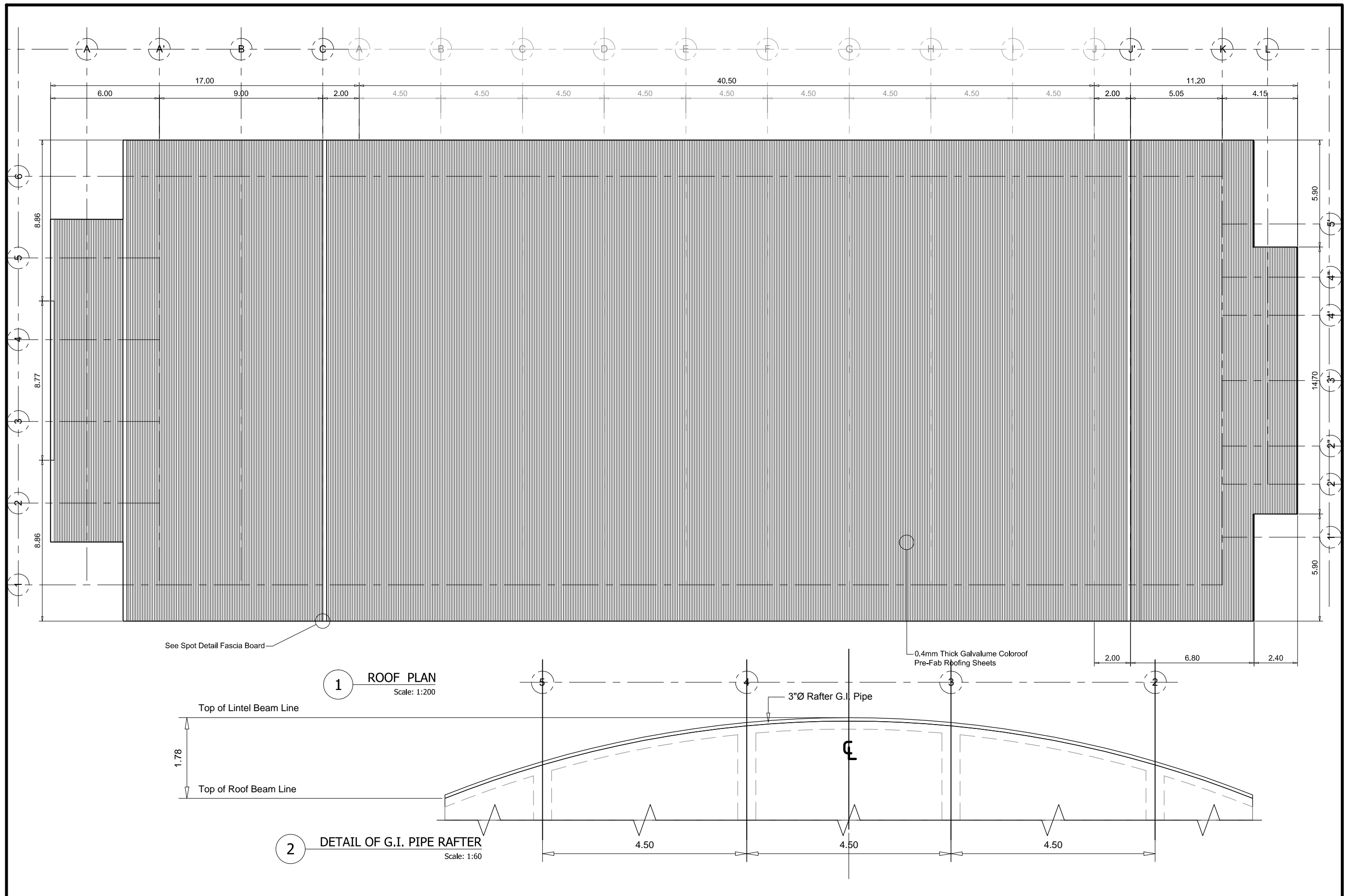
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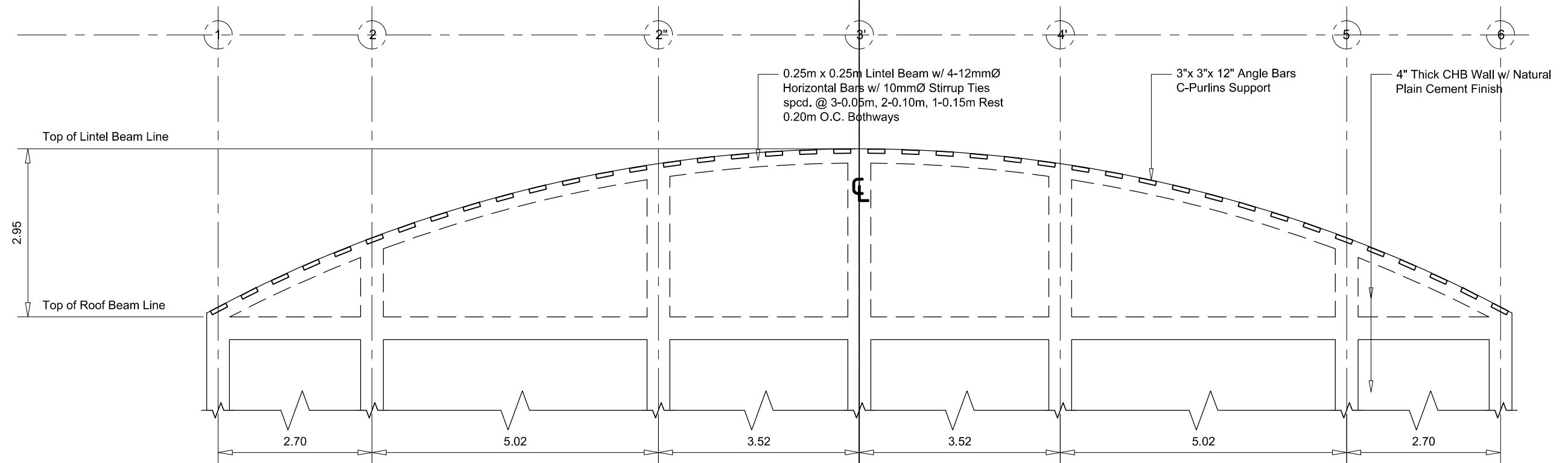
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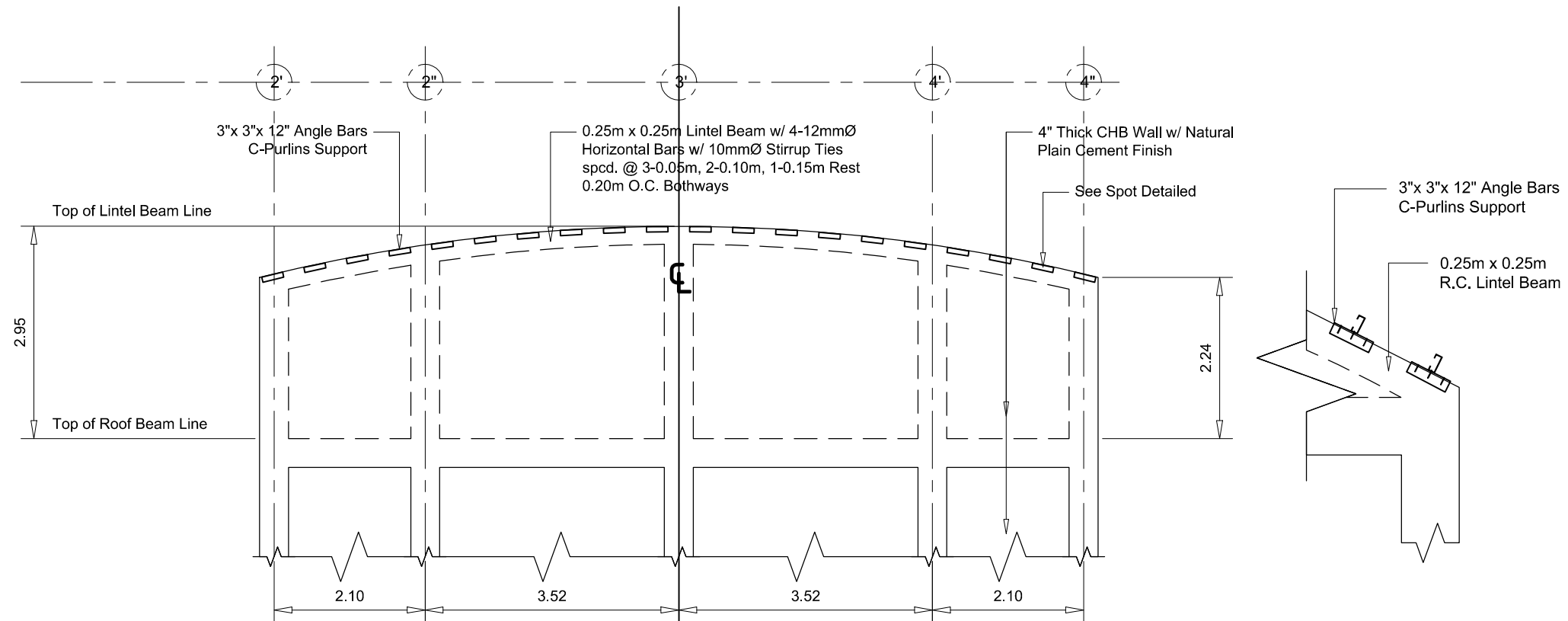
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VSU PRESIDENT

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Date Finished :  
Place :

**S7 06**  
SHEET NO.  
**11 18**



1 DETAILED PLAN ALONG LINE - A' AND K  
Scale: 1:80

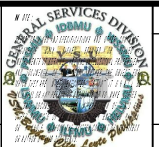


2 DETAILED PLAN ALONG LINE - L  
Scale: 1:80

3 SPOT DETAILED  
Scale: 1:40



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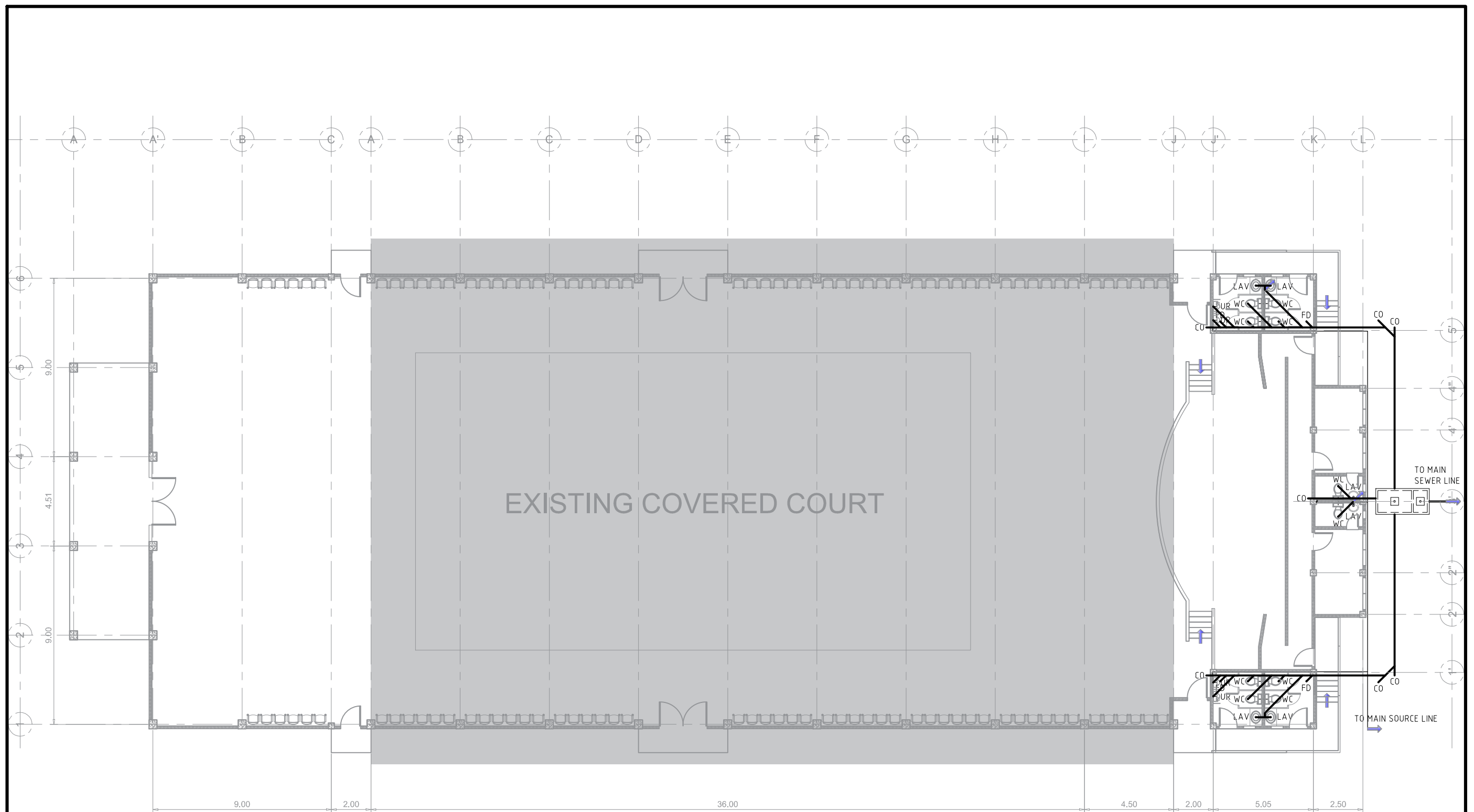
Project Title :	Completion of Covered Courts
Location :	4 - External Campus

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	VSU PRESIDENT

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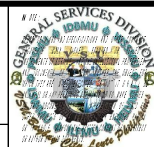


1 PLUMBING LAYOUT  
Scale: 1:200



TIN :  
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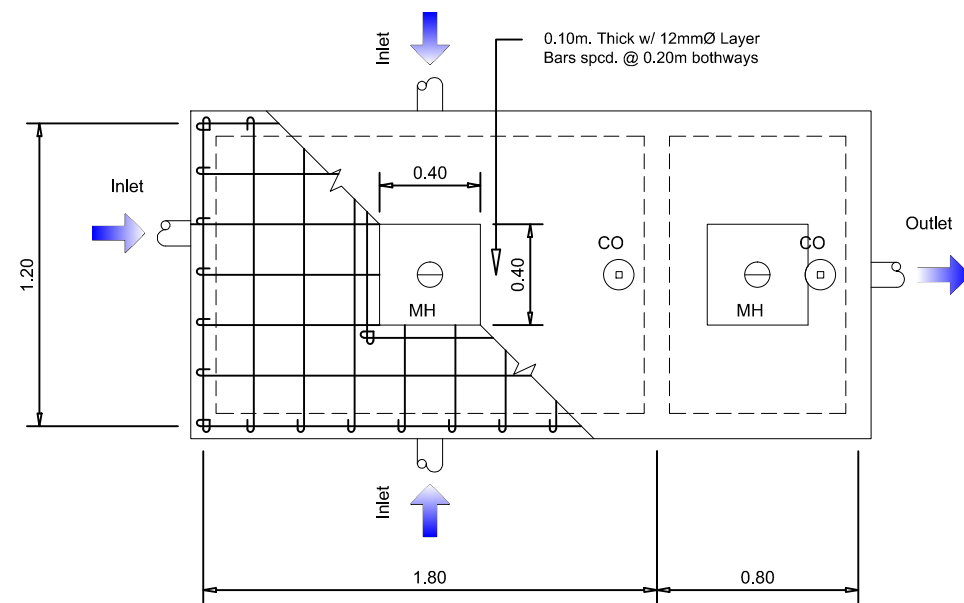
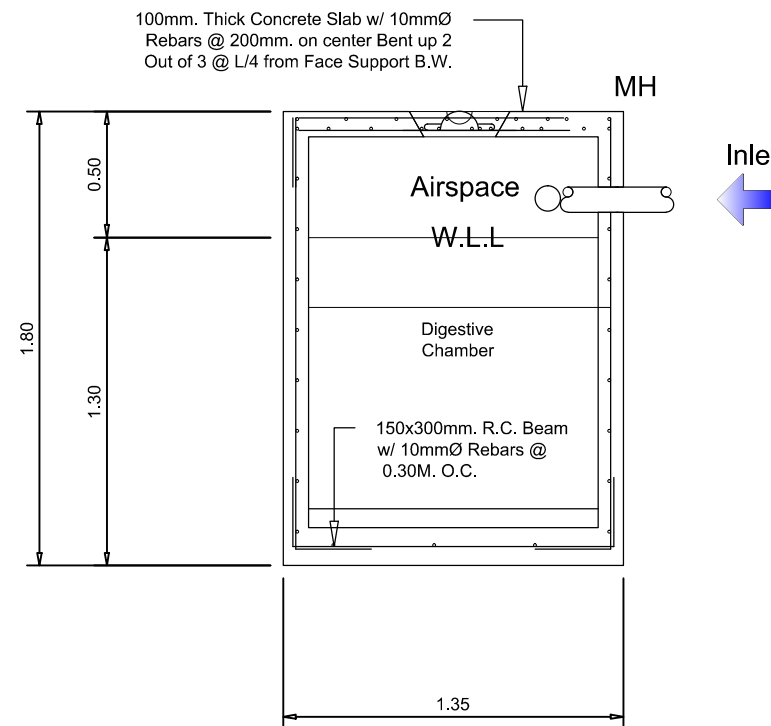
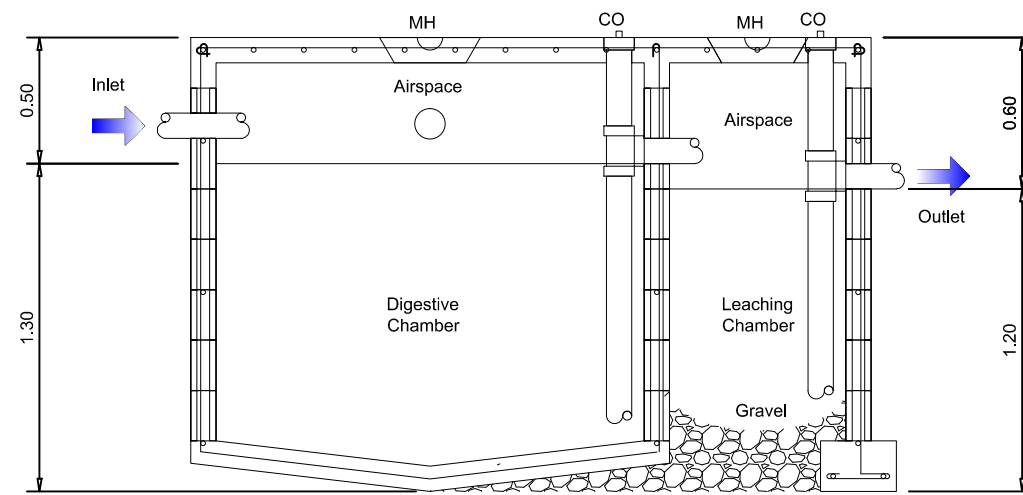
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P3 01  
SHEET NO.  
13 18



1 DETAIL OF SEPTIC TANK  
Scale: 1:30

## 2 PLUMBING NOTES

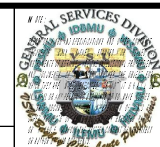
- 1 - ALL WORKS SHALL CONFORM TO THE RULES AND REGULATION OF THE NATIONAL PLUMBING CODE.
- 2 - PLUMBING INSTALLATIONS SHALL BE DONE THRU THE DIRECT SUPERVISION OF A DULY LICENSED MASTER PLUMBER.
- 3 - ALL MATERIALS TO BE USED SHALL BE NEW AND APPROVED TYPE OF LOCATION AND PURPOSE.
- 4 - RUN ALL HORIZONTAL PIPINGS IN PERFECT ALIGNMENT AND AT A FORM GRADE NOT LESS THAN TWO PERCENT ( 2% ).
- 5 - THE DIGESTION CHAMBER OF SEPTIC TANK MUST BE WATERPROOFED.
- 6 - NO SEPTIC TANK SHALL BE CONSTRUCTED UNDER THE BUILDING.
- 7 - NOT LESS THAN 300MM. OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND THE UNDER PART OF TANK ROOF SLAB.
- 8 - ALL PLUMBING WORKS SHALL BE UNDER THE DIRECT SUPERVISION OF A LICENSED MASTER PLUMBER AND ARCHITECT.

## 3 LEGEND

CV	CHECK VALVE
F	FAUCET
FD	FLOOR DRAIN
CB	CATCH BASIN
CS	COUNTER SINK
GV	GATE VALVE
HB	HOSE BIBB
LAV	LAVATORY
MH	MANHOLE
SH	SHOWER HEAD
SV	SEPTIC VAULT
VSTR	VENT STACH THRU ROOF
WC	WATER CLOSET
WM	WATER METER
—	2" O PVC VENT PIPE LINE
—	4" O PVC WASTE PIPE LINE
—	1/2" O G.I. WATER PIPE LINE



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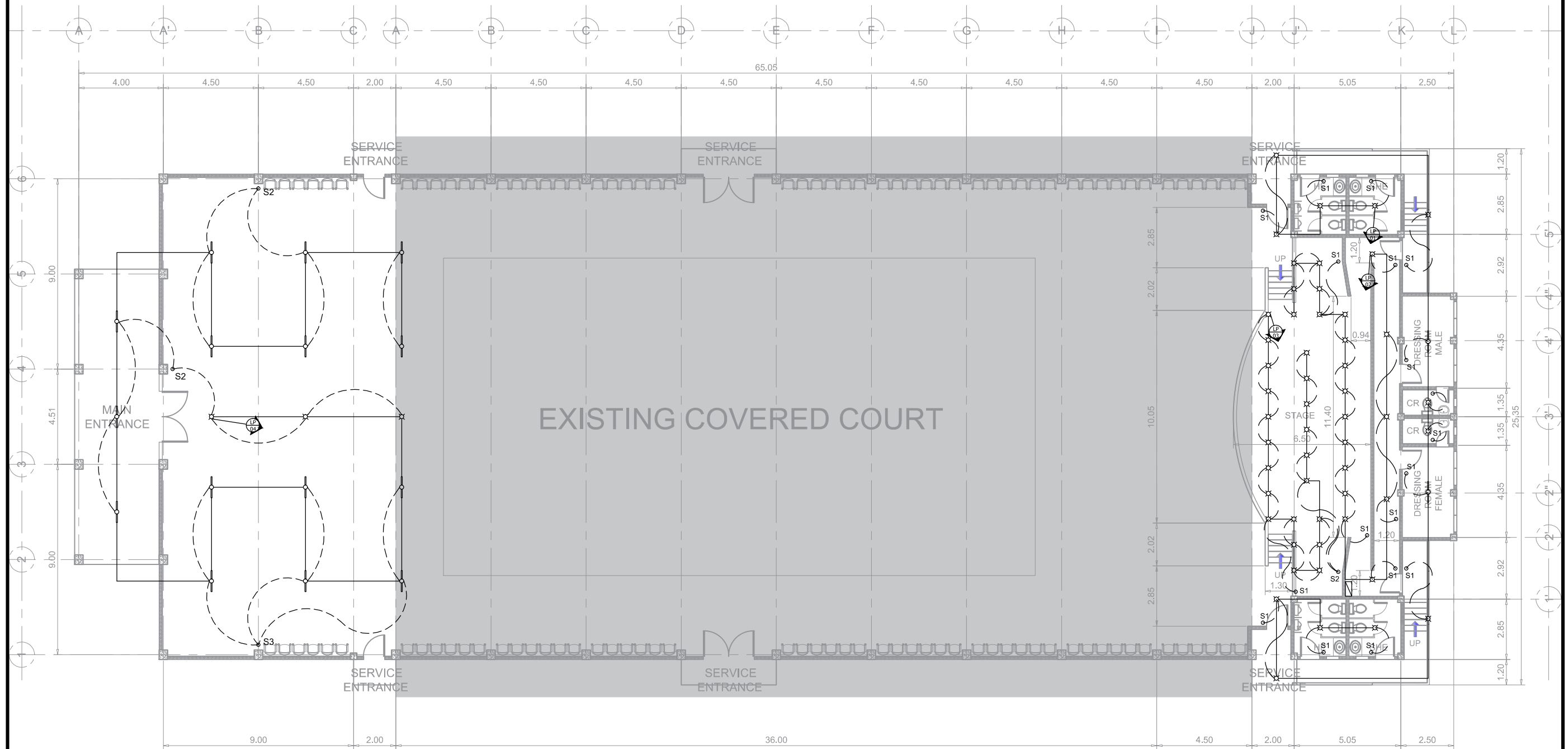


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<b>COMPLETION OF COVERED COURTS</b>	Engr. MARIO LILOP. VALENZONA
Location : 4 - External Campus	DIRECTOR, GSD

Conformed by :	Approved by :
Dr. REMBERTO A. PATINDOL	Dr. EDGARDO E. TULIN
VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT

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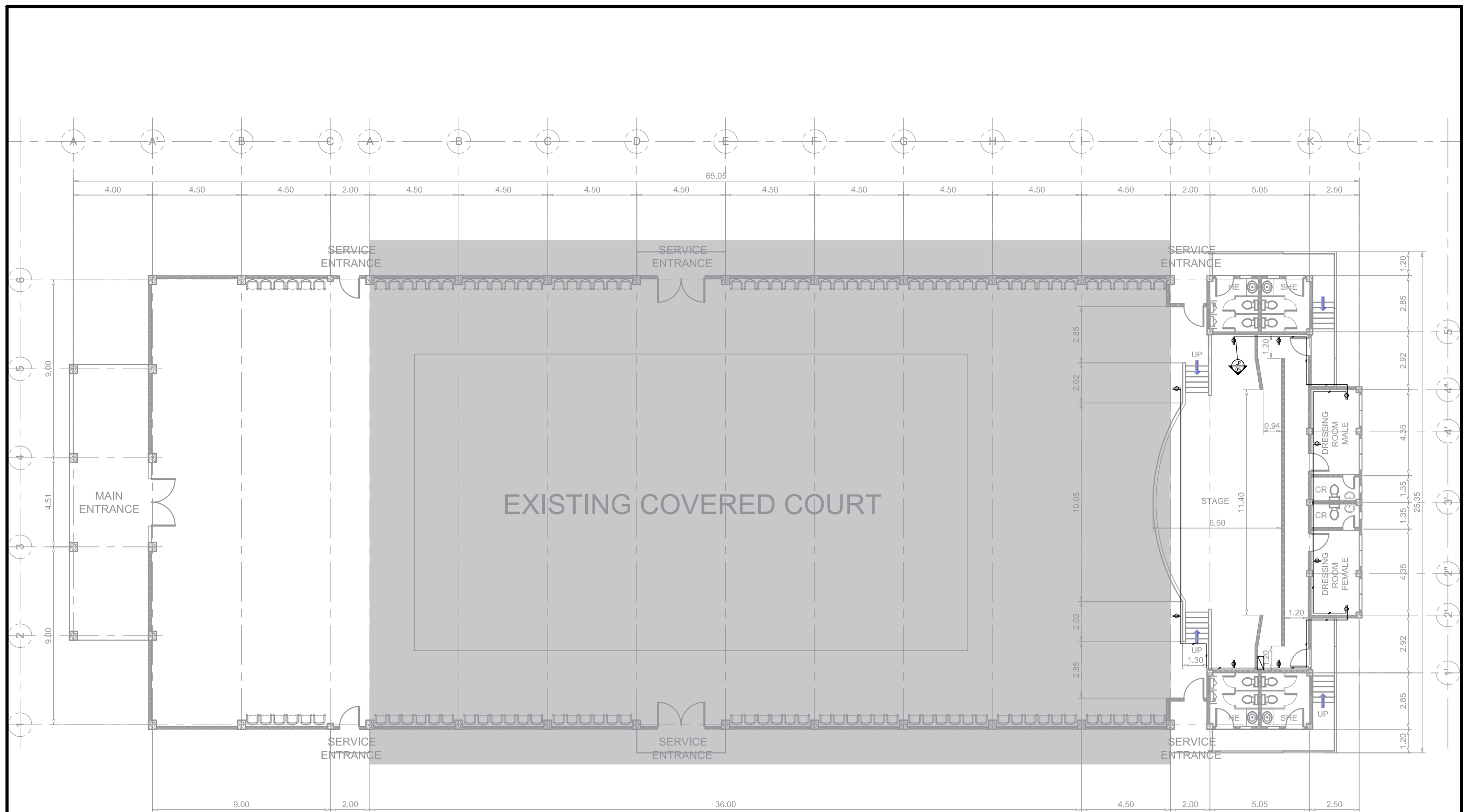




1 ELECTRICAL LIGHTING LAYOUT  
Scale: 1:100

	TIN :	Approved by :		Project Title :	Checked by :	Conformed by :	Approved by :	Concept by :	<div>E3 01</div> <div>SHEET NO.</div> <div>16 18</div>
	PRC :			COMPLETION OF COVERED COURTS	Engr. MARIO LILLO P. VALENZONA	Dr. REMBERTO A. PATINDOL	Dr. EDGARDO E. TULIN	AutoCAD by :	
	PTR :							Date Started :	
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1 ELECTRICAL CONVENIENCE LAYOUT  
Scale: 1:100

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	PRC :		COMPLETION OF COVERED COURTS	Engr. MARIO LILIO P. VALENZONA	Dr. REMBERTO A. PATINDOL	Dr. EDGARDO E. TULIN	AutoCAD by :	
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1 SCHEDULE OF LOAD

CIRCUIT NO.	DESIGNATION	NO. OF OUTLETS	S1	S2	S3	WATTS	VOLTS	AMP	REMARKS
01	LIGHTING OUTLET	14	12	-----	-----	1400	220	6.36	Use 15A Circuit Breaker and 2 No. 2mm. sq. TW.
02	LIGHTING OUTLET	20	5	-----	-----	2000	220	9.09	Use 15A Circuit Breaker and 2 No. 2mm. sq. TW.
03	LIGHTING OUTLET	21	-----	1	-----	2100	220	9.54	Use 15A Circuit Breaker and 2 No. 2mm. sq. TW.
04	LIGHTING OUTLET	18	-----	1	1	900	220	4.09	Use 20A Circuit Breaker and 2 No. 3.5mm. sq. TW.
05	CONVENIENCE OUTLET	10	-----	-----	-----	1800	220	8.18	Use 20A Circuit Breaker and 2 No. 3.5mm. sq. TW.
06	SPARE								
07	SPARE								
08	SPARE								
09	SPARE								
10	SPARE								
11	SPARE								
12	SPARE								
13	TOTAL	83	17	2	1	8200	220	37.27	
8200 WATTS / 220 VOLTS = 37.27 AMPERES      37.27 AMPS. x 80% D.F. ( DEMAND FACTOR ) = 29.816 AMPERES									

2 PLUMBING NOTES

- 1 - ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), THE RULES AND REGULATION OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY. THE ELECTRICAL WORKS SHALL BE UNDER IMMEDIATE SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER.

2 - THE ELECTRICAL SERVICE POWER IS 1 - PHASE, 2 - WIRE, 220 V AC, 60Hz.

3 - WIRING METHOD SHALL BE AS FOLLOWS :

a. FEEDERS AND RISERS

b. LIGHTING, POWER RECEPTACLE BRANCH CKT., & AUXILIARY

- INTERMEDIATE METALLIC CONDUIT

- POLYVINYL CHLORIDE CONDUIT SCH. 40

4 - ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THW" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUN SHALL BE 3.5mm AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15mm TRADE / NOMINAL SIZE.
- 5 - ALL OUTLET BOXES SHALL BE GALVANIZED GAGE No. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.

6 - ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.

7 - GROUNDING SYSTEM SHALL BE PROVIDED TO ALL LIGHTING AND POWER CIRCUIT AS PER PHILIPPINE ELECTRICAL CODE REQUIREMENT.

8 - MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS :

a. LIGHT SWITCH

b. CONVENIENCE OUTLET

c. PANELBOARD

d. FIRE ALARM STATION OUTLET

e. PUSH BUTTON OUTLET

f. FIRE ALARM & VIBRATING BELL

- 1. 20 M. ABOVE FINISH FLOOR LINE

- 0. 30 M. ABOVE FINISH FLOOR LINE

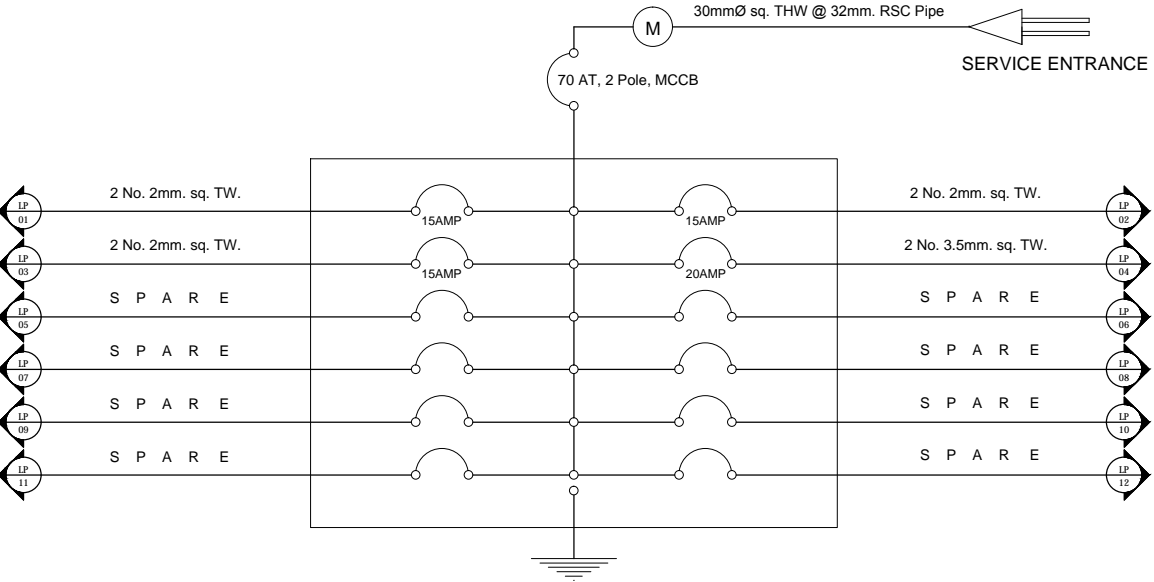
- 1. 50 M. ABOVE FINISH FLOOR LINE

- 1. 50 M. ABOVE FINISH FLOOR LINE

- 1. 20 M. ABOVE FINISH FLOOR LINE

- 0. 30 M. BELOW CEILING LINE

3 RISER DIAGRAM



4 LEGEND

- 40 WATTS FLUORESCENT OUTLET
- INCANDESCENT LIGHT OULET
- DUPLEX CONVENIENCE OUTLE
- S1 SINGLE POLE SWITCH
- S2 DOUBLE POLE SWITCH
- S3 TRIPLEX SWITCH, 3 single pole switch
- 2 LIGHT / CONVENIENCE CIRCUIT
- LIGHTING WIRE LINE
- CONVENIENCE WIRE LINE
- PULL SWITCH WIRE LINE
- SERVICE ENTRANCE
- M SERVICE KILOWATTHOUR METER
- CIRCUIT BREAKER, indicates rating & setting
- POWER PANEL, number indicates panel
- B FIRE ALARM BELL OUTLET
- B VIBRATING BELL OUTLET



TIN :	Approved by :
PRC :	
PTR :	
Date :	
Place :	



Project Title :
<b>COMPLETION OF COVERED COURTS</b>
Location : 4 - External Campus

Checked by :
<b>Engr. MARIO LILOP. VALENZONA</b>
DIRECTOR, GSD

Conformed by :
<b>Dr. REMBERTO A. PATINDOL</b>
VP OF ADMINISTRATIVE AND FINANCE

Approved by :
<b>Dr. EDGARDO E. TULIN</b>
VSU PRESIDENT

Concept by :
AutoCAD by :
Date Started :
Date Finished :
Place :

E3	03
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