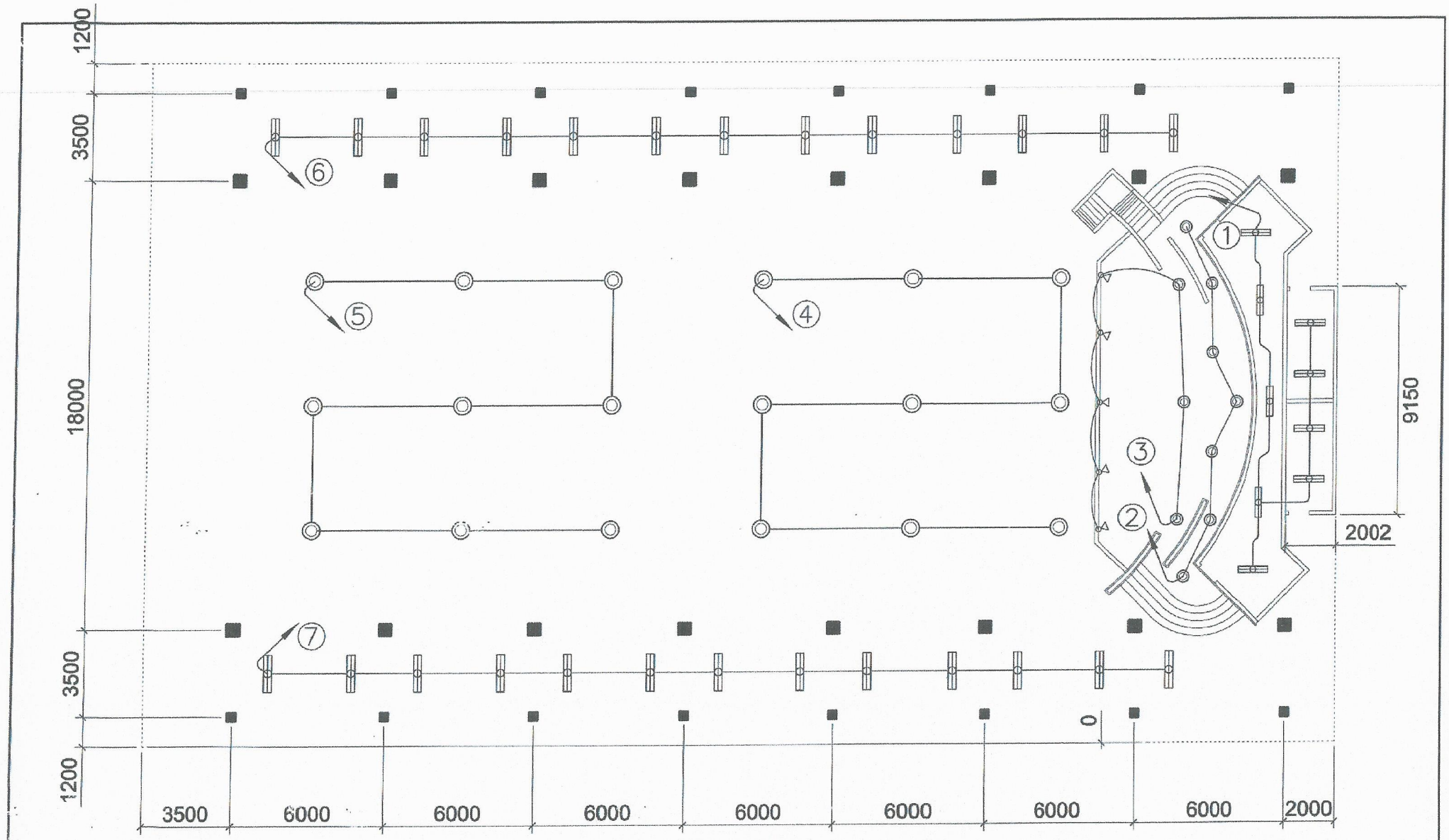
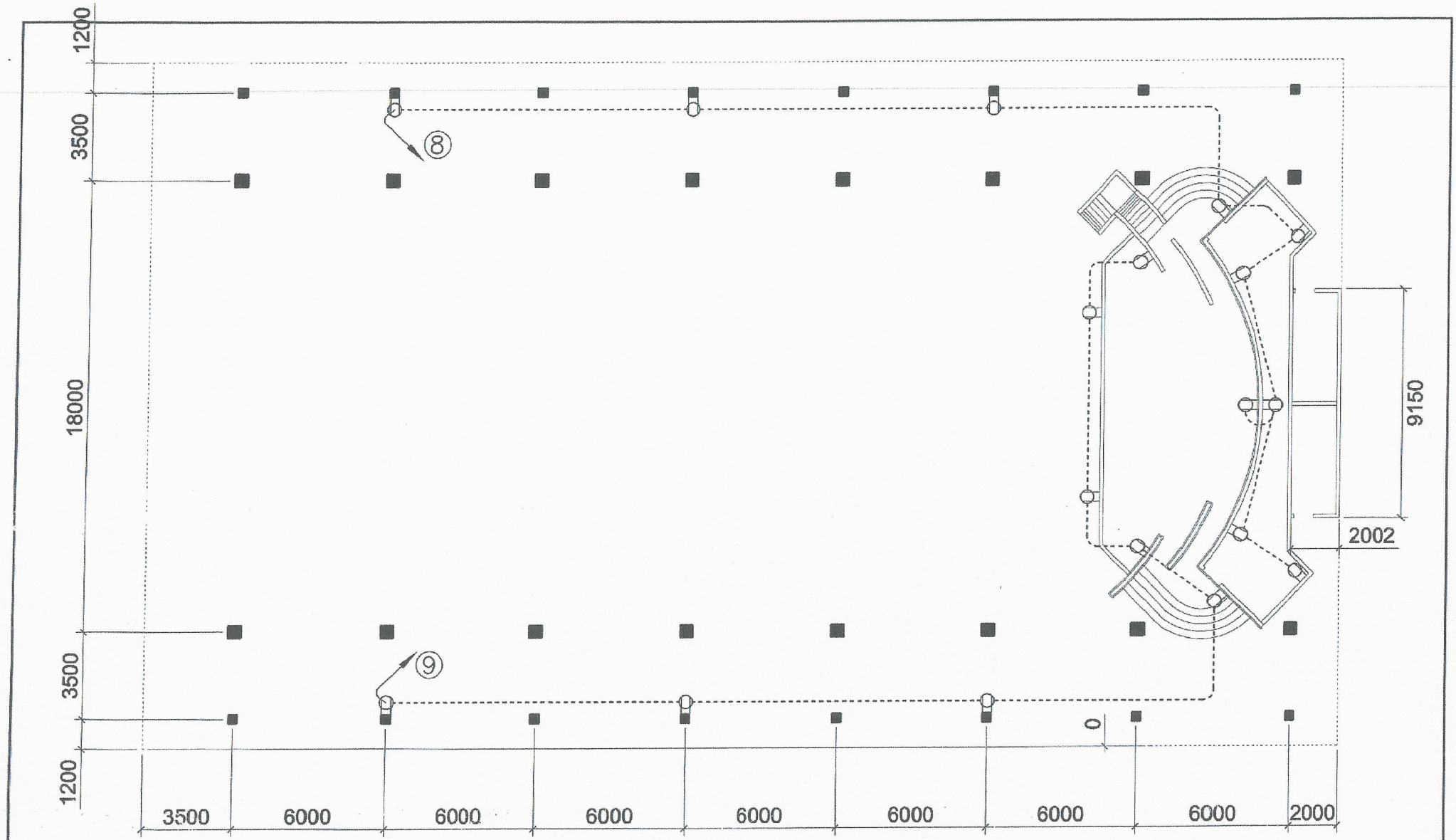


LIGHTING LAYOUT

SCALE 1 : 150 MTS.

CONST. OF COVERED COURT

CVSU, CARMONA CAMPUS



POWER LAYOUT

SCALE 1 : 150 MTS.

CONST. OF COVERED COURT

CVSU, CARMONA CAMPUS

SCHEDULE OF LOADS

PANEL: LP — **CABLE: 2 - 8.0 SQ. MM THHN + G 5.5 SQ MM THI** — **MAIN: 50 AT, 50AF, 2P, 230V, 10 kAIC,MCCB**
PHASE: 1 — **CONDUIT: RSC, 20 MM DIA.** — **ENCLOSURE : NEMA 1**
VOLTS: 230 — **MOUNTING: SURFACE**

CKT NO.	NO. OF OUTLETS	PANEL DESCRIPTION	LOAD IN			CIRCUIT PROTECTION	Size of Conductor		Size Of Conduit In MM ø	Color Code
			WATTS	VOLT	AMP	CIRCUIT BREAKER RATING	SQ. MM THHN	SQ. MM THHN(G)		
1	9	L. O. (9 FL)	900	230	3.91	15AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK
2	9	L. O. (9 PL)	900	230	3.91	15AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK
3	8	L. O. (3 PL + 5 FloodLight)	1550	230	6.74	30AT, 2P,10 KAIC	2 - 5.5		15	1R,1BK
4	9	L. O. (9 DomeLight)	2250	230	9.78	30AT, 2P,10 KAIC	2 - 5.5		15	1R,1BK
5	9	L. O. (9 DomeLight)	2250	230	9.78	30AT, 2P,10 KAIC	2 - 5.5		15	1R,1BK
6	13	L. O. (13 FL)	1300	230	5.65	15AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK
7	13	L. O. (13 FL)	1300	230	5.65	15AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK
8	10	CONVENIENCE OUTLET	1800	230	7.83	20AT, 2P,10 KAIC	2 - 3.5	+ G 2.0	15	1R,1BK,G
9	8	CONVENIENCE OUTLET	1440	230	6.26	20AT, 2P,10 KAIC	2 - 3.5	+ G 2.0	15	1R,1BK,G
10		SPARE								
11		SPARE								
10		SPARE								
		TOTAL	13690	230	59.52	50AT, 2P,10 kAIC	2 - 8.0	+ G 5.5	20	1R,1BK,G

FEEDER and CURRENT PROTECTION COMPUTATION:

NOTE:

G - Means Ground Wire
1R- Color RED
1BK- Color BLACK
1G- Color GREEN

I_{FL} = [59.52 + 25% x Im] DF = 59.52 *Amperes*

use: 2 - 14.0 SQMM THHN + 1 -8.0 SQMM THHN IN 25 MM DIA. RSC

ICB = 59.52 + 250% x Im] DF = 59.52 *Amperes*

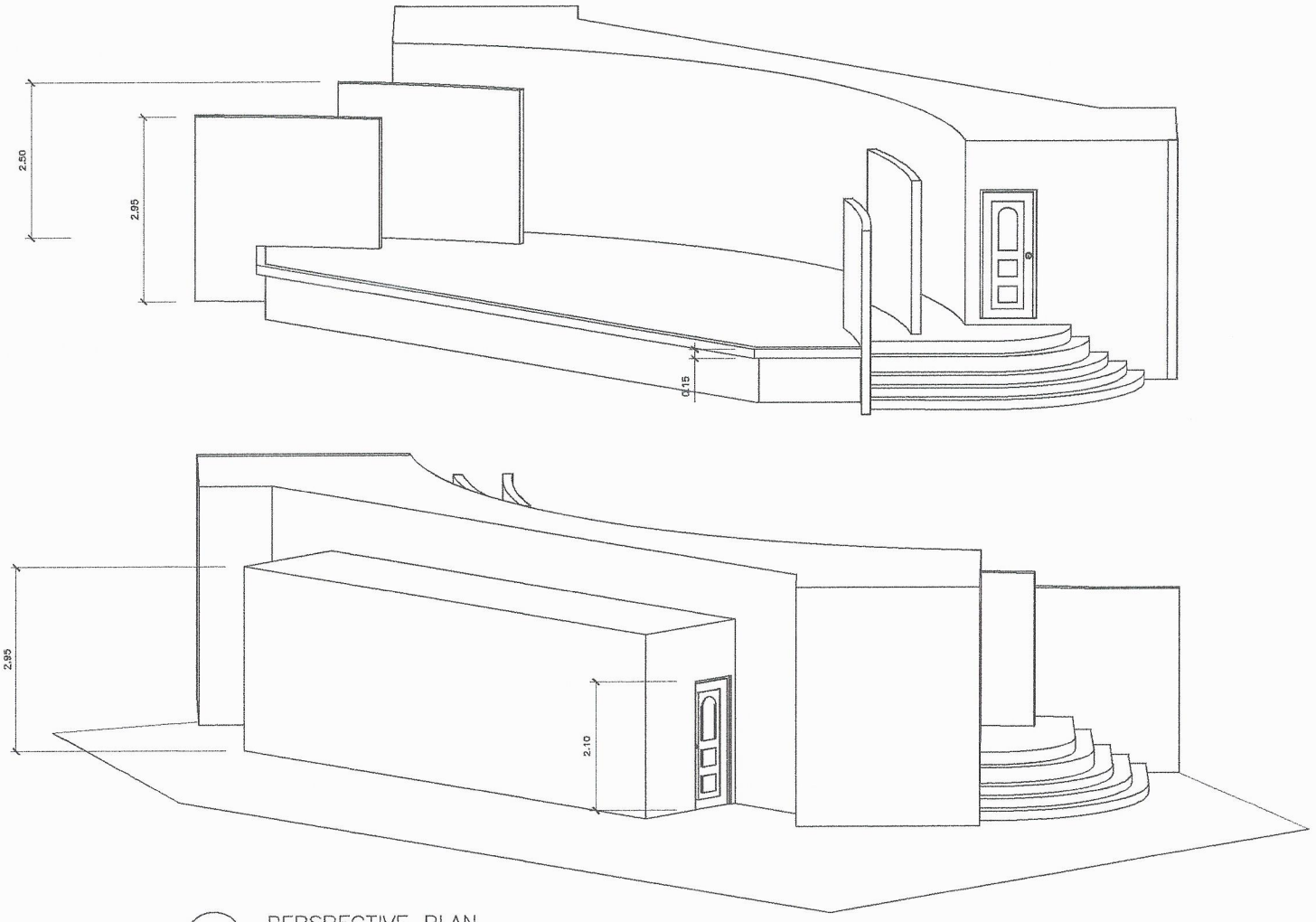
use: 70AT, 100AF, 2P, 230V, 10kAIC, CB

This Electrical Design is good only for the above connected loads.
Any additional electrical load connection in the future is prohibite Owner
Except redesign of electrical load system will be done.

PREPARED BY: **RONALD P. PENA**
Professional Electrical Engineer
PRC # 3857
Expiry: April 1, 2025
PTR # CAV 5504164 B
Date: Jan. 03, 2022
Place: Indang, Cavite
TIN # 102-441-998

CONST. OF COVERED COURT

CVSU, CARMONA CAMPUS

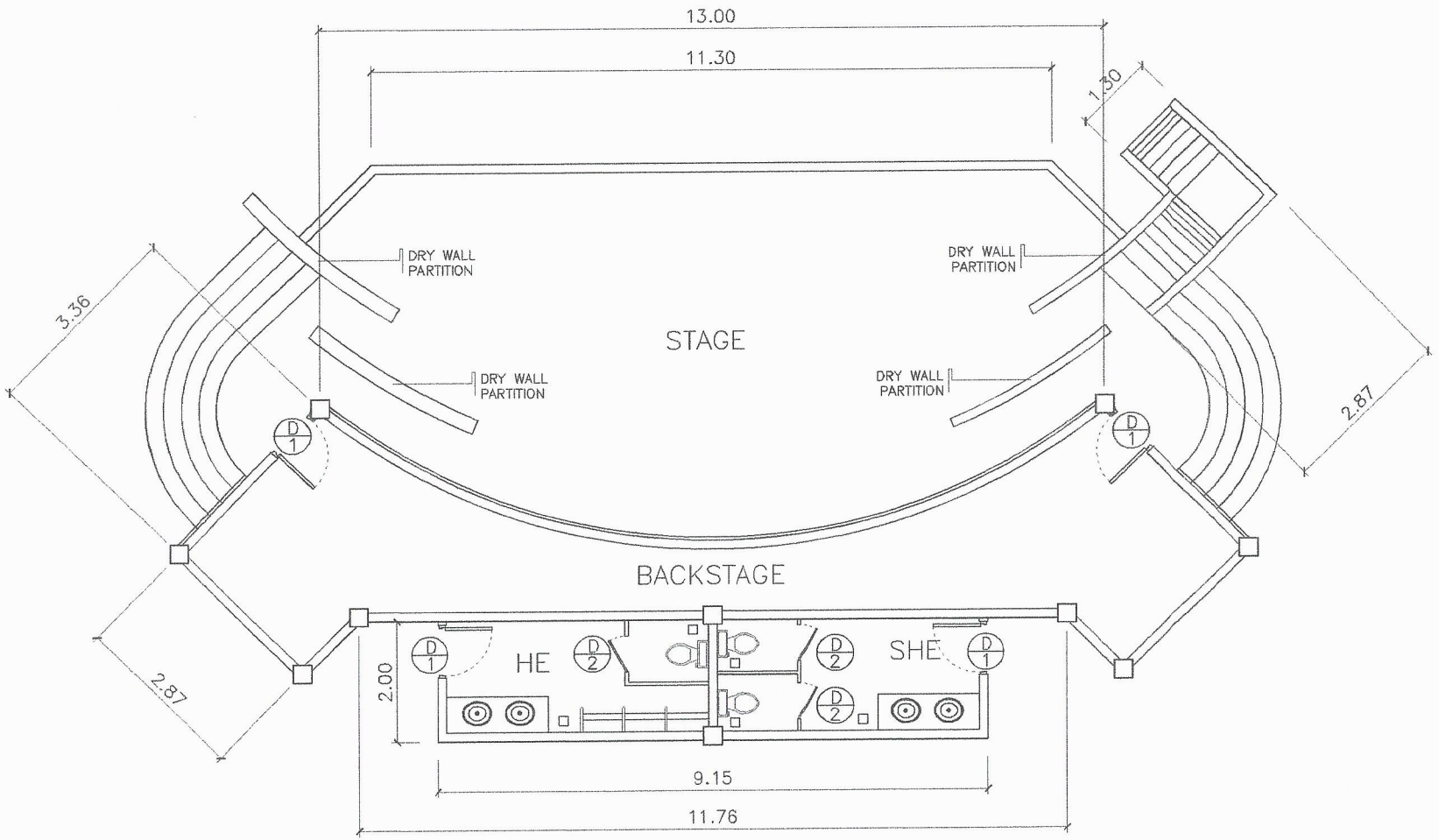


PERSPECTIVE PLAN
SCALE 1:75 MTS.

PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY

CARMONA CAMPUS



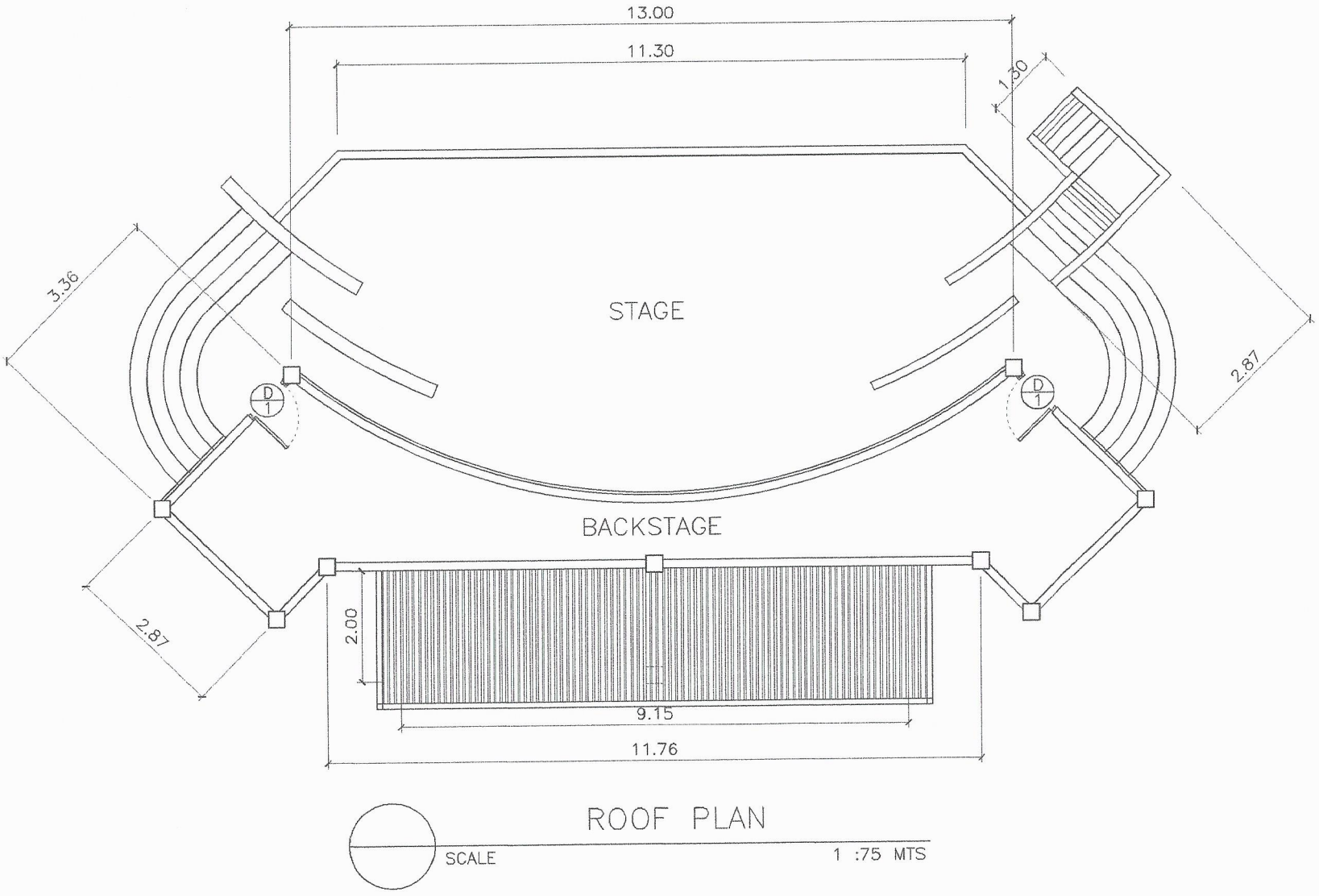
FLOOR PLAN

SCALE 1 :75 MTS

PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY

CARMONA CAMPUS



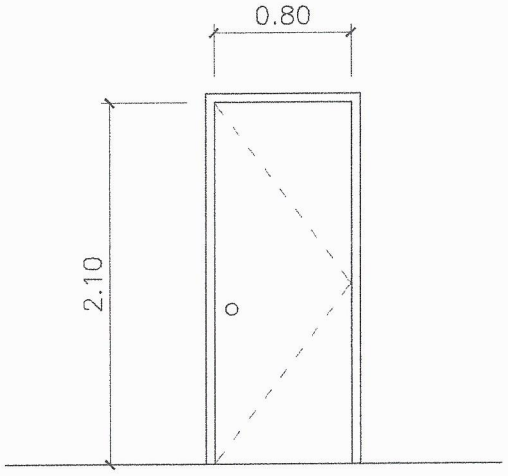
ROOF PLAN

SCALE 1 :75 MTS

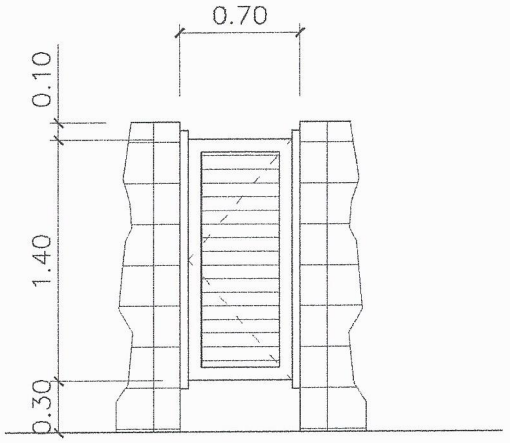
PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY

CARMONA CAMPUS



D/1 0.80 X 2.10 SOLID STEEL DOOR
W/ COMPLETE ACCESSORIES
4 SETS



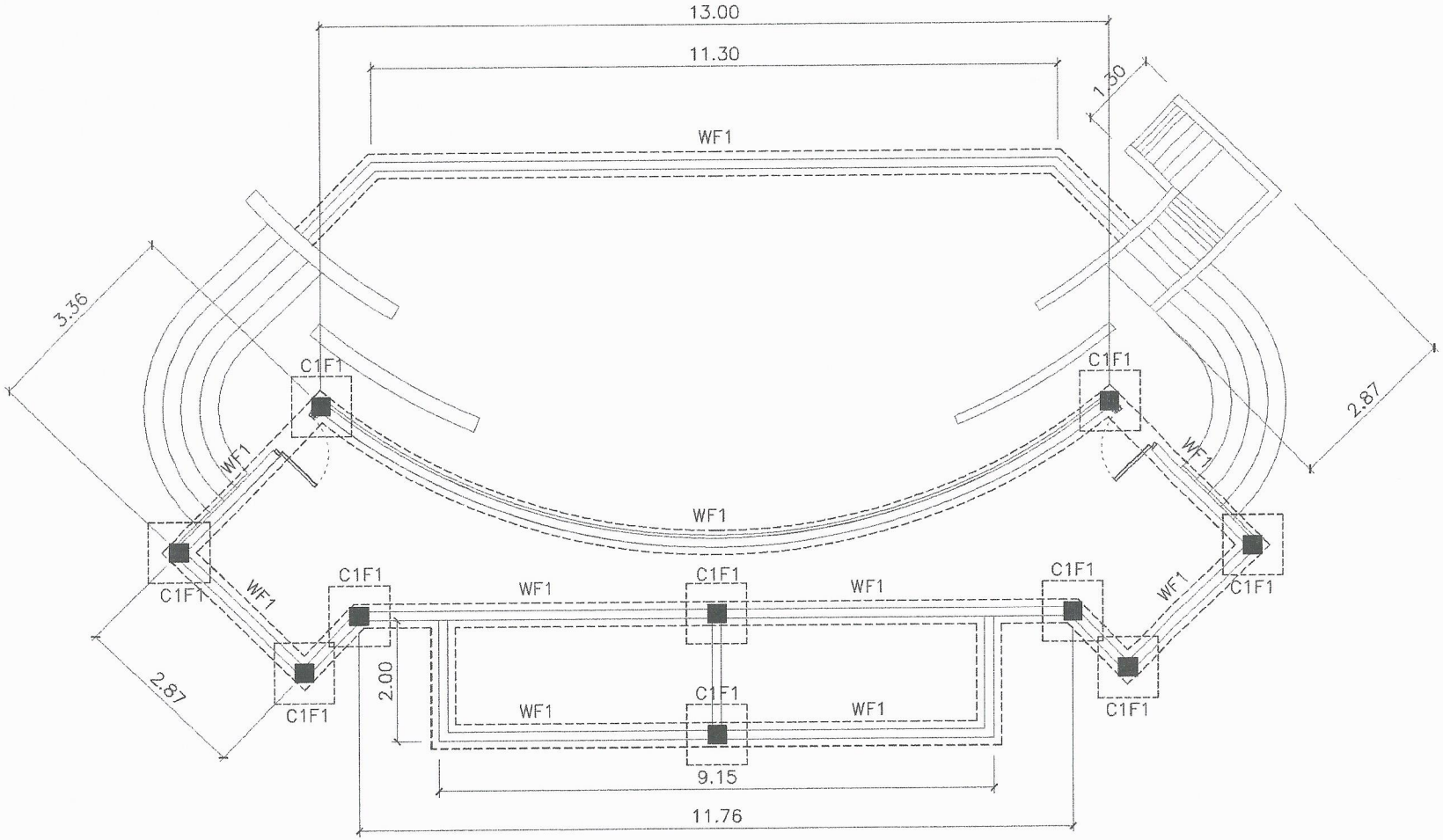
D/2 0.60 X 1.40 ALUMINUM FRAME DOOR
W/ $\frac{1}{4}$" THK. FROSTED GLASS & COMPLETE
ACCESSORIES
5 SETS

SCHEDULE OF DOORS

SCALE 1 :30 MTS

PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY CARMONA CAMPUS



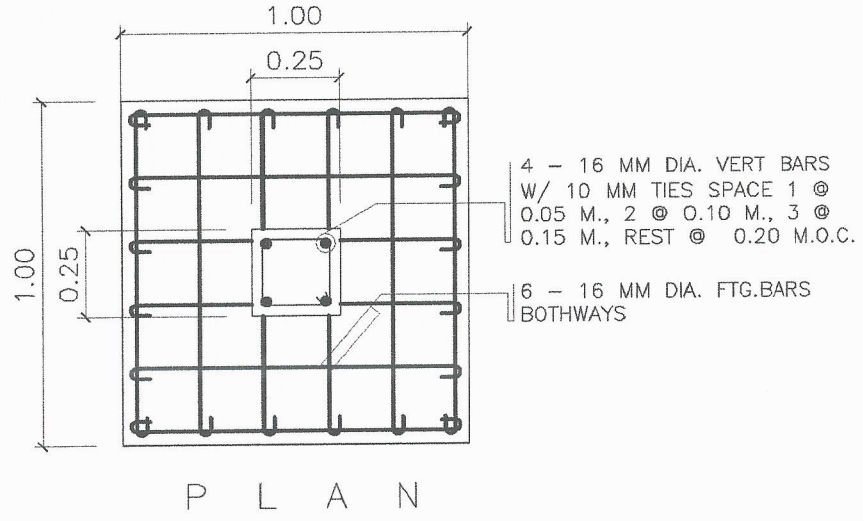
FOUNDATION PLAN

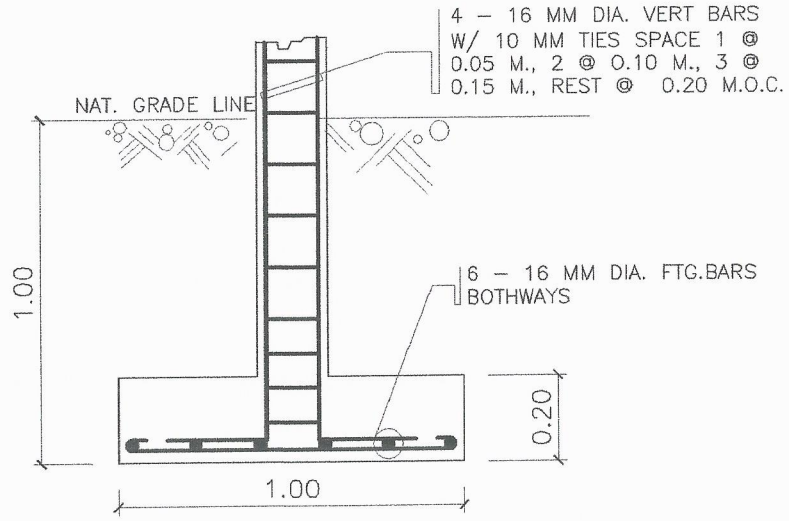
SCALE 1 :75 MTS

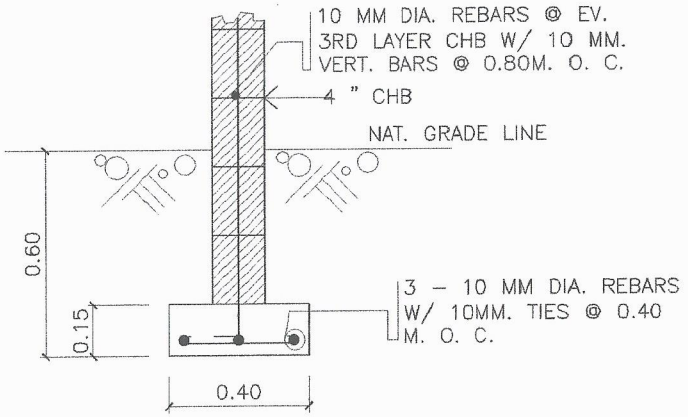
PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY

CARMONA CAMPUS







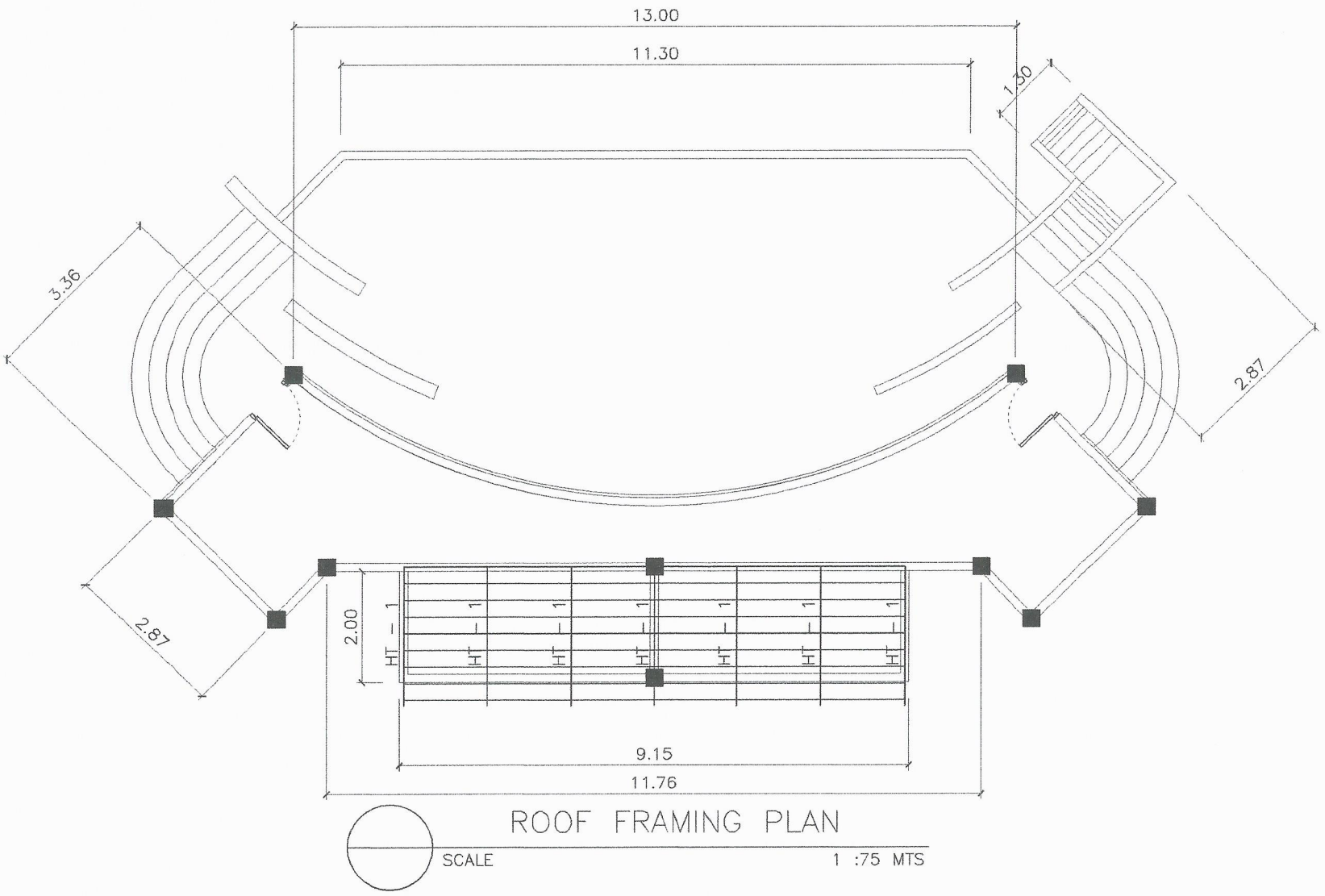
DETAILS OF COLUMN FOOTING AND WALL FOOTING

SCALE 1 :15 MTS

PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY

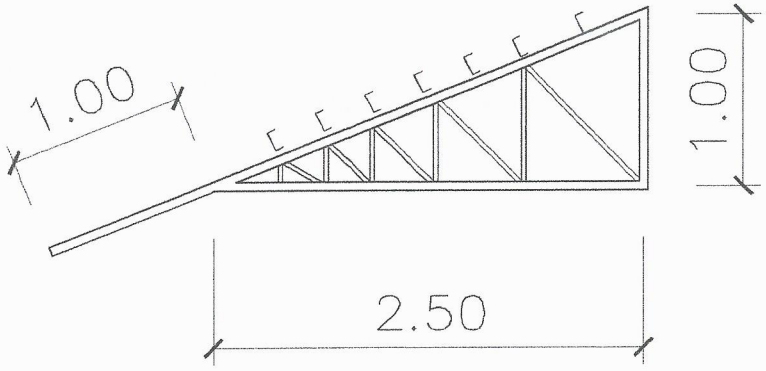
CARMONA CAMPUS



PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY

CARMONA CAMPUS



NOTE:

USE THE FOLLOWING:

- 2 – 2" x 2" x $\frac{1}{4}$" ANGULAR BAR FOR TOP CHORDS
- 2 – 2" x 2" x $\frac{1}{4}$" ANGULAR BAR FOR BOTTOM CHORDS
- 2 – 2" x 2" x $\frac{1}{4}$" ANGULAR BAR FOR KING POSTS
- 2 – $1\frac{1}{2}$" x $1\frac{1}{2}$" x $\frac{1}{4}$" ANGULAR BAR FOR WEB MEMBERS
- 2" x 4" x 1.5mm CEE PURLINS

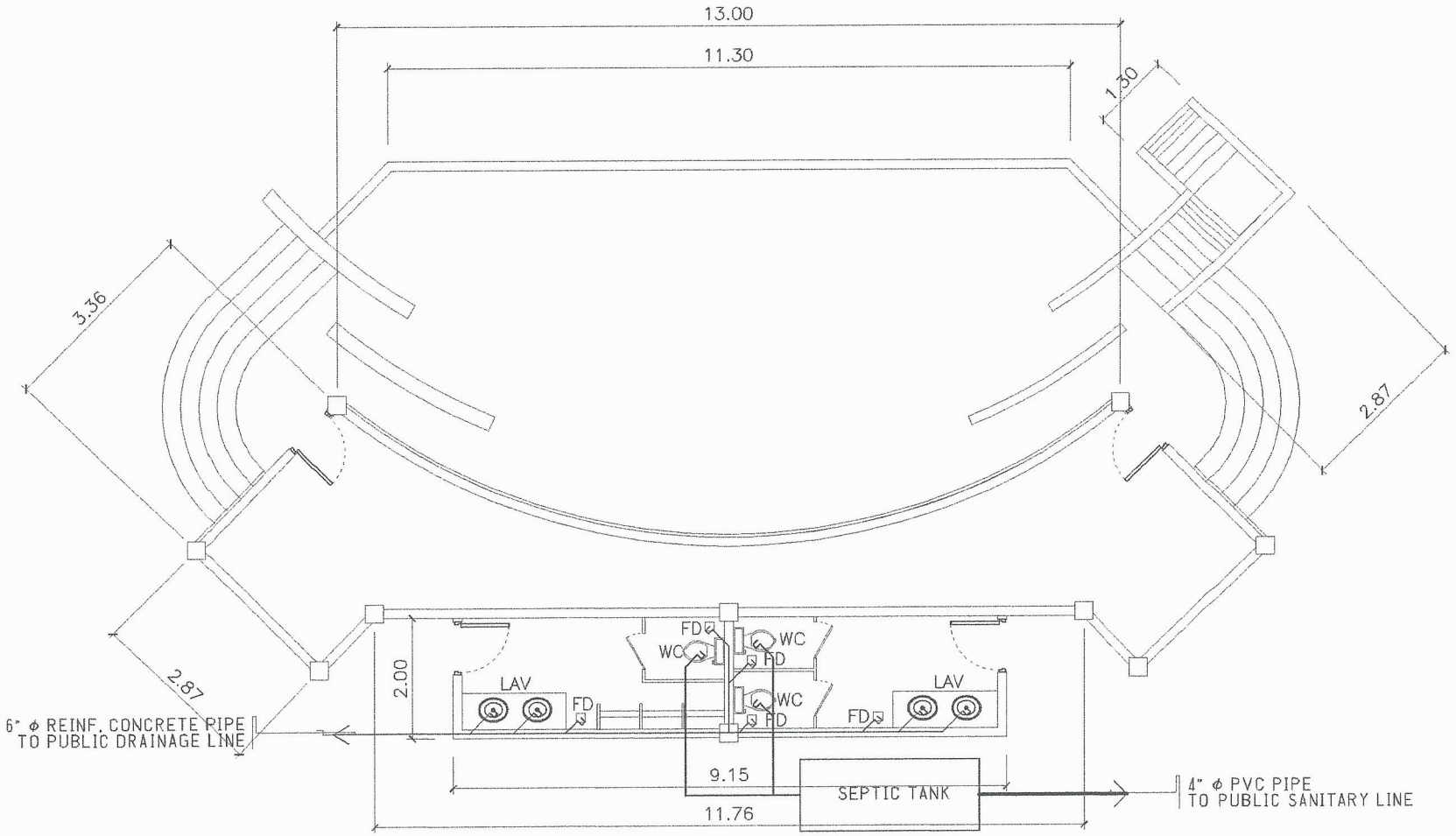
DETAILS OF TRUSSES

SCALE 1 : 30 MTS

PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY

CARMONA CAMPUS



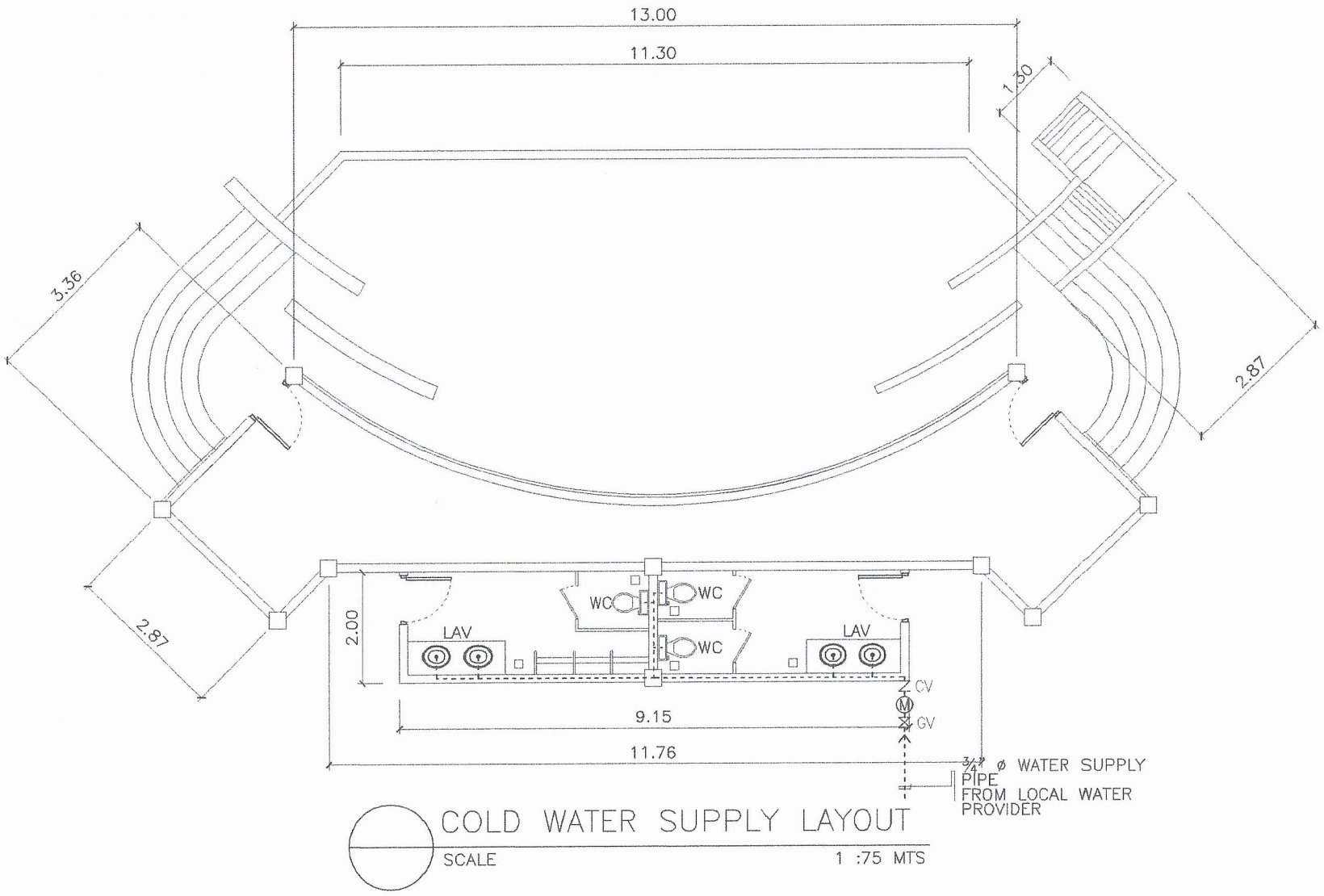
DRAIN AND SEWER LAYOUT

SCALE 1 :75 MTS

PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY

CARMONA CAMPUS



PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY

CARMONA CAMPUS

———————	4" ø PVC PIPE WASTE LINE
———————	2" ø PVC PIPE DRAINAGE LINE
- - - - - - - - -	1/2" ø PVC PIPE COLD WATER LINE
——— — ———	6" ø CONCRETE PIPE DRAINAGE LINE
WC	WATER CLOSET
LAV	LAVATORY
HB	HOSE BIBB
CB	CATCH BASIN
CO	CLEAN OUT
FD	FLOOR DRAIN
GV	GATE VALVE
CV	CHECK VALVE
M	WATER METER

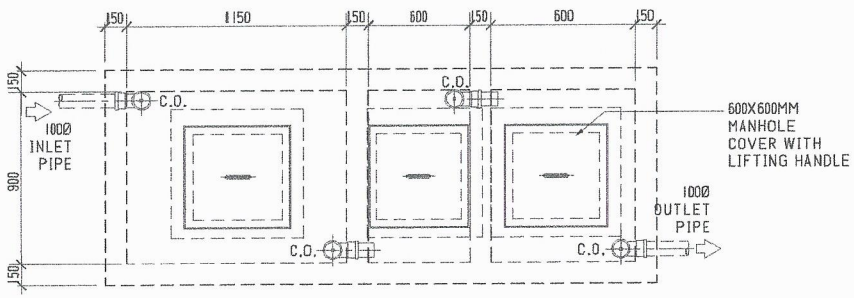
PLUMBING LEGENDS

SCALE NTS

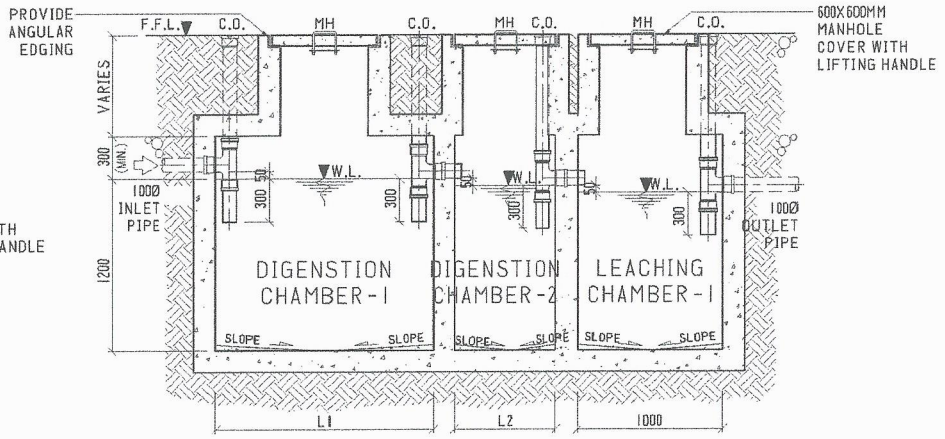
1. ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED IN ACCORDANCE TO THE PROVISION OF THE PHILIPPINE PLUMBING CODE, THE NATIONAL BUILDING CODE AND THE RULES AND REGULATIONS OF THE LOCAL MUNICIPALITY.
2. COORDINATE THE DRAWINGS WITH OTHER RELATED DRAWINGS AND SPECIFICATIONS. THE ENGINEER AND/OR THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND HEREIN.
3. ALL PIPES SHALL BE INSTALLED AS INDICATED, ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF THE PLUMBING WORK SHALL BE WITH PRIOR APPROVAL OF THE ENGINEER AND/OR THE ARCHITECT.
4. PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATIONS OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR.
5. ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN ONE PERCENT (0.01) AND ONE-HALF PERCENT (0.005) MINIMUM UNLESS OTHERWISE SPECIFIED.
6. WATER SUPPLY PIPE TO FIXTURE SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. ALL BRANCHES OF FIXTURE OR GROUP OF FIXTURES SHALL BE PROVIDED WITH AIR CHAMBER MADE OF CAPPED VERTICAL EXTENSION PIPE.
8. ALL WATER LINES SHALL BE HYDROSTATICALLY TESTED @ 100 PSI FOR A PERIOD OF TWO(2) HOURS BEFORE BURIED OR COVERED. POLYPROPYLENE PIPE (P.P.R.)
9. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES @ SITE AND COORDINATE THE WORK WITH THE SEWER AND STORM DRAINAGE LINE EFFLUENT DISPOSAL POINT AND WATERLINE SERVICE CONNECTING/TAPPING POINT.
10. ALL PIPE SIZES AND OTHER DIMENSIONS ARE IN MILLIMETER (MM) UNLESS OTHERWISE SPECIFIED AND ARE INDICATIVE OF INSIDE DIAMETER.

PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY CARMONA CAMPUS



PLAN



SECTION

DETAILS OF SEPTIC TANK

SCALE NTS

PROPOSED STAGE AT CVSU CARMONA CAMPUS

CAVITE STATE UNIVERSITY CARMONA CAMPUS