

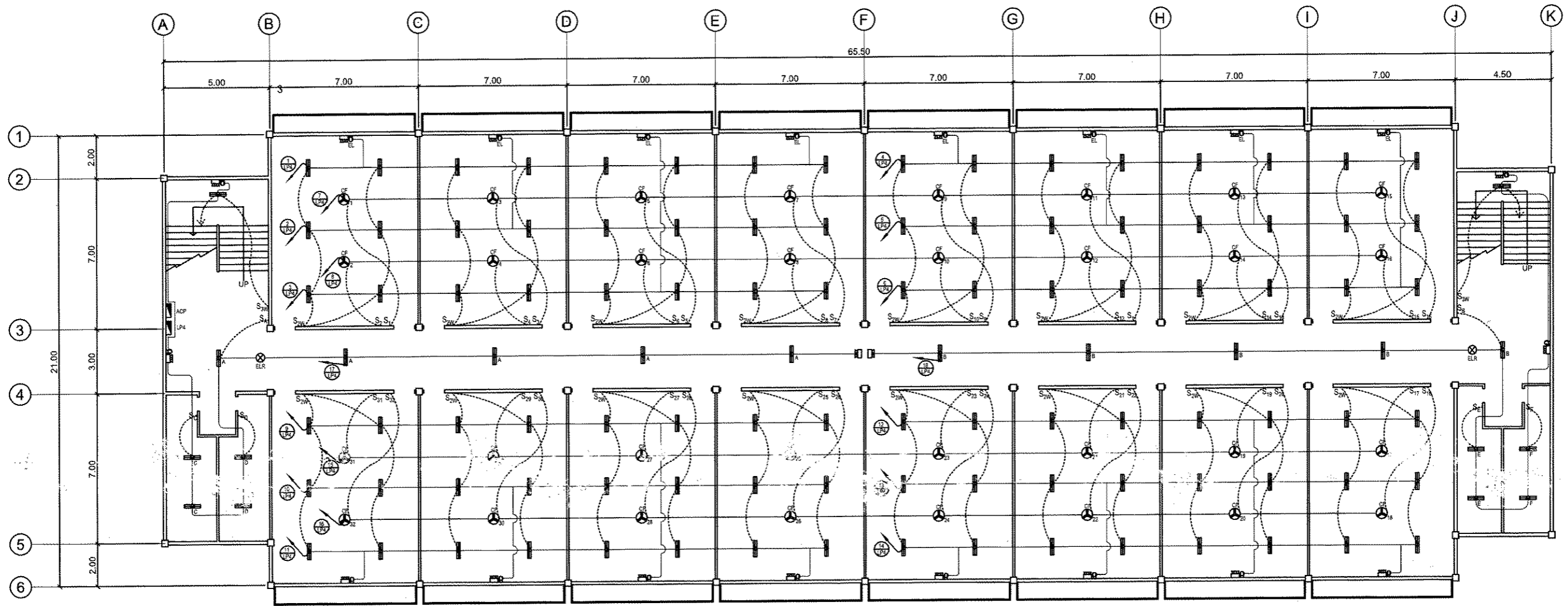



**FOURTH FLOOR PLAN**  
 SCALE: 1:200 MTS.

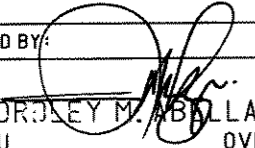

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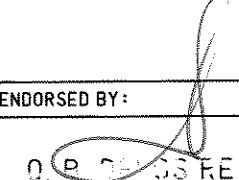
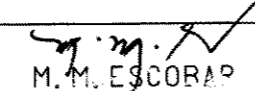
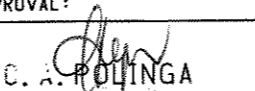
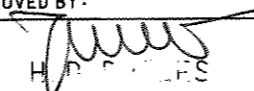
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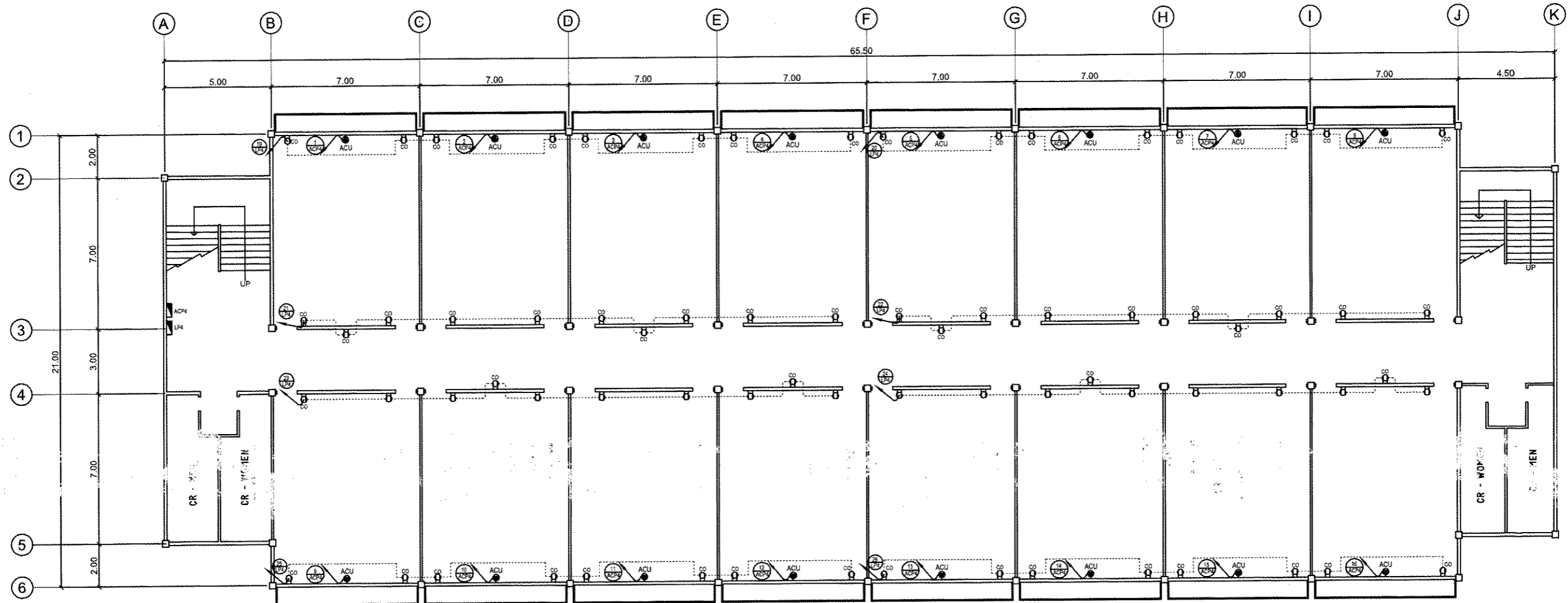
PREPARED BY: <i>J. D. Escano</i> J. D. ESCANO PPU OVPPD		ENDORSED BY: <i>O. B. L. Reyes</i> O. B. L. REYES DIRECTOR PLANNING OFFICE		REC. APPROVAL: <i>V. A. Polinga</i> V. A. POLINGA VPASS CVSU	APPROVED BY: <i>H. D. Jueles</i> H. D. JUELES PRES CVSU	PROJECT TITLE/ LOCATION: PROPOSED PARTITION WALL OF 4TH FLOOR OF CVSU BACOR CAMPUS ACADEMIC BLDG. CAVITE STATE UNIVERSITY BACOR CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO: A - 1
END USER: <i>M. Macalalad</i> M. MACALALAD DEAN BACOR CAMPUS								



I  
E I
**FOURTH FLOOR LIGHTING LAYOUT**  
 SCALE: 1:200 MTS.

CADD BY:  
  
**LORJLEY M. ABILLAR**  
 PPU DVPPD  
 PROFESSIONAL ELECTRICAL ENGR.  
  
**RONALD P. PEÑA**  
 PPU DVPPD

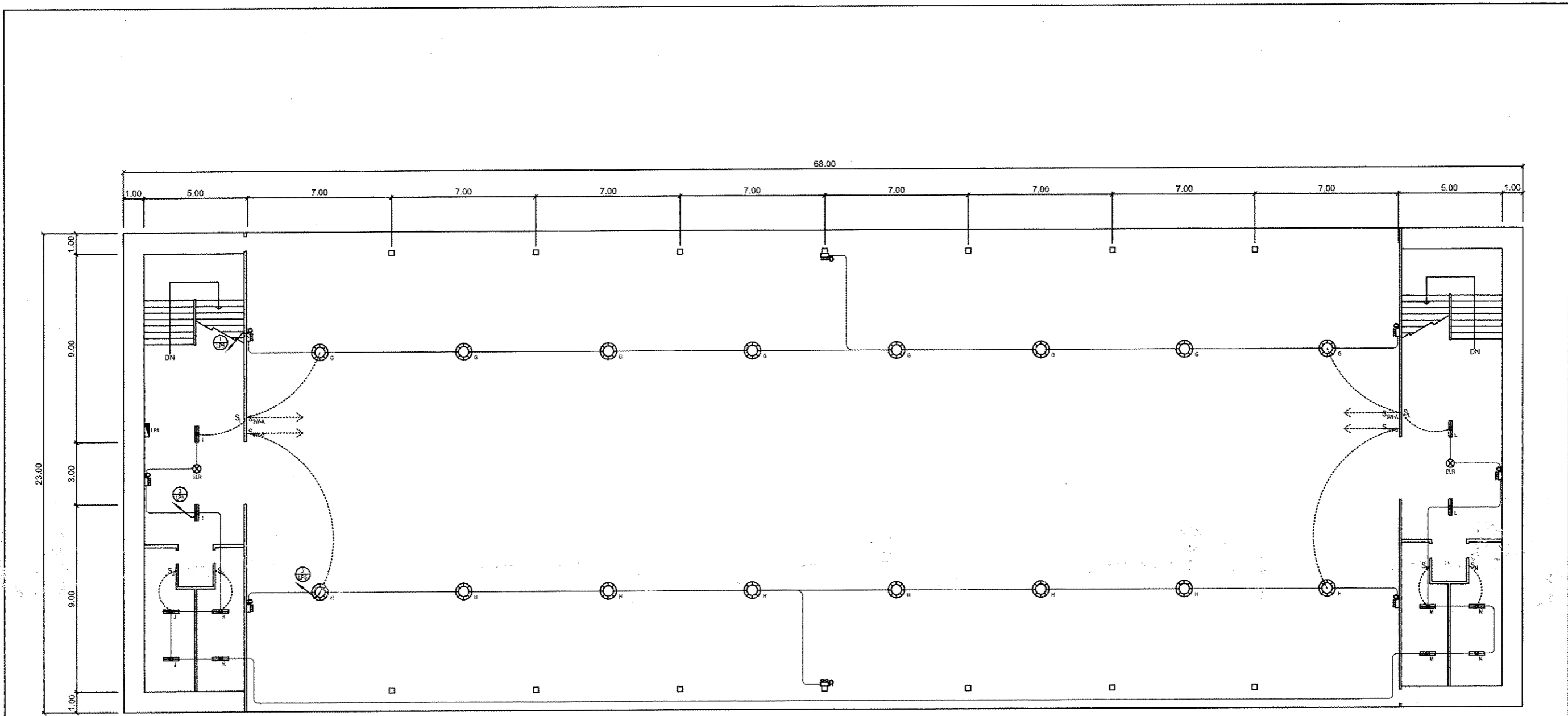
END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY	SHT NO:
 <b>M. MACALALAD</b> DEAN CVSU-BACOR	 <b>O.P. REYES</b> DIRECTOR PLANNING OFFICE	 <b>M.M. ESCORAP</b> VPPD CVSU	 <b>C.A. ROULINA</b> VPASS CVSU	 <b>H. REYES</b> PRES CVSU	<b>IMPROVEMENT OF BACOR CAMPUS</b> CVSU - BACOR CAMPUS BACOR CITY	<b>CAVITE STATE UNIVERSITY</b> E - 1



I  
E | 2
**FOURTH FLOOR C.O. & A/C LAYOUT**  
 SCALE: 1:200 MTS.

CADD BY:  
  
**LORDLEY M. ABELLAR**  
 PPU OVPPD  
 PROFESSIONAL ELECTR. ENGR.  
  
**RONALD P. PEÑA**  
 PPU OVPPD

END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE / LOCATION:	IMPLEMENTING AGENCY:	SHT NO.:
 <b>M. MACALALAD</b> DEAN CVSU-BACOR	 <b>O. B. DE LOS REYES</b> DIRECTOR PLANNING OFFICE	 <b>M. M. ESCOBAR</b> VPPD CVSU	 <b>F. C. A. PULINGA</b> VPASS CVSU	 <b>H. D. ROBLES</b> PRES CVSU	IMPROVEMENT OF BACOR CAMPUS CVSU - BACOR CAMPUS BACOR CITY	CAVITE STATE UNIVERSITY E - 2



1  
E 3
**ROOF DECK LIGHTING LAYOUT**  
 SCALE: 1:200 MTS.

CADD BY: *[Signature]*  
**LORDLEY M. ABULLAR**  
 PPU OVPPD  
 PROFESSIONAL ELECTL. ENGR.  
*[Signature]*  
**RONALD P. ARENA**  
 PPU OVPPD

END USER: *[Signature]*  
**M. MACALALAD**  
 DEAN CVSU-BACCOOR

ENDORSED BY: *[Signature]*  
**O. B. DELOS REYES**  
 DIRECTOR PLANNING OFFICE

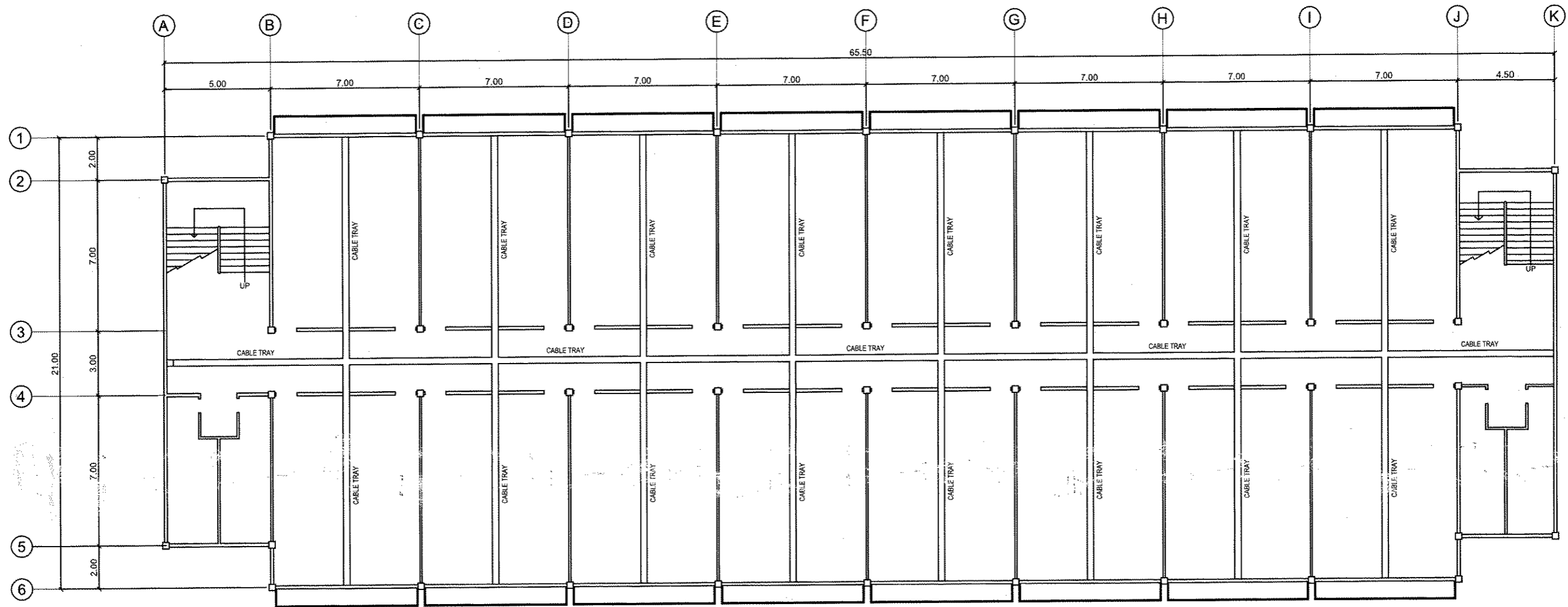
REC. APPROVAL: *[Signature]*  
**M. M. ESCOBAR**  
 VPPD CVSU

APPROVED BY: *[Signature]*  
**C. A. ROLINGA**  
 VPASS CVSU

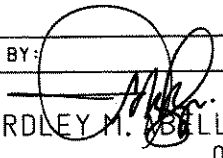
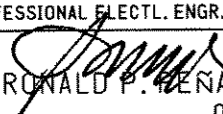
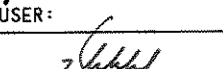
APPROVED BY: *[Signature]*  
**H. D. ROBLES**  
 PRES CVSU

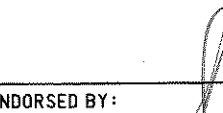
PROJECT TITLE/ LOCATION: **IMPROVEMENT OF BACCOOR CAMPUS**  
 CVSU - BACCOOR CAMPUS BACCOOR CITY  
 IMPLEMENTING AGENCY: **CAVITE STATE UNIVERSITY**  
 SHT NO: **E - 3**

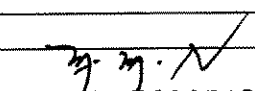


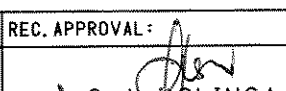


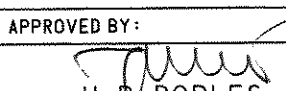
1  
E | 5
**FOURTH FLOOR CABLE TRAY LAYOUT**  
 SCALE: 1:200 MTS.

CADD BY:  
  
**LORDLEY M. BELLAR**  
 PPU OVPPD  
 PROFESSIONAL ELECTL. ENGR.  
  
**RONALD P. PENA**  
 PPU OVPPD  
 END USER:  
  
**M. MACALALAD**  
 DEAN CVSU-BACOR

ENDORSED BY:  
  
**O. B. DE LOS REYES**  
 DIRECTOR PLANNING OFFICE

  
**M. H. ESCOBAR**  
 VPPD CVSU

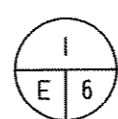
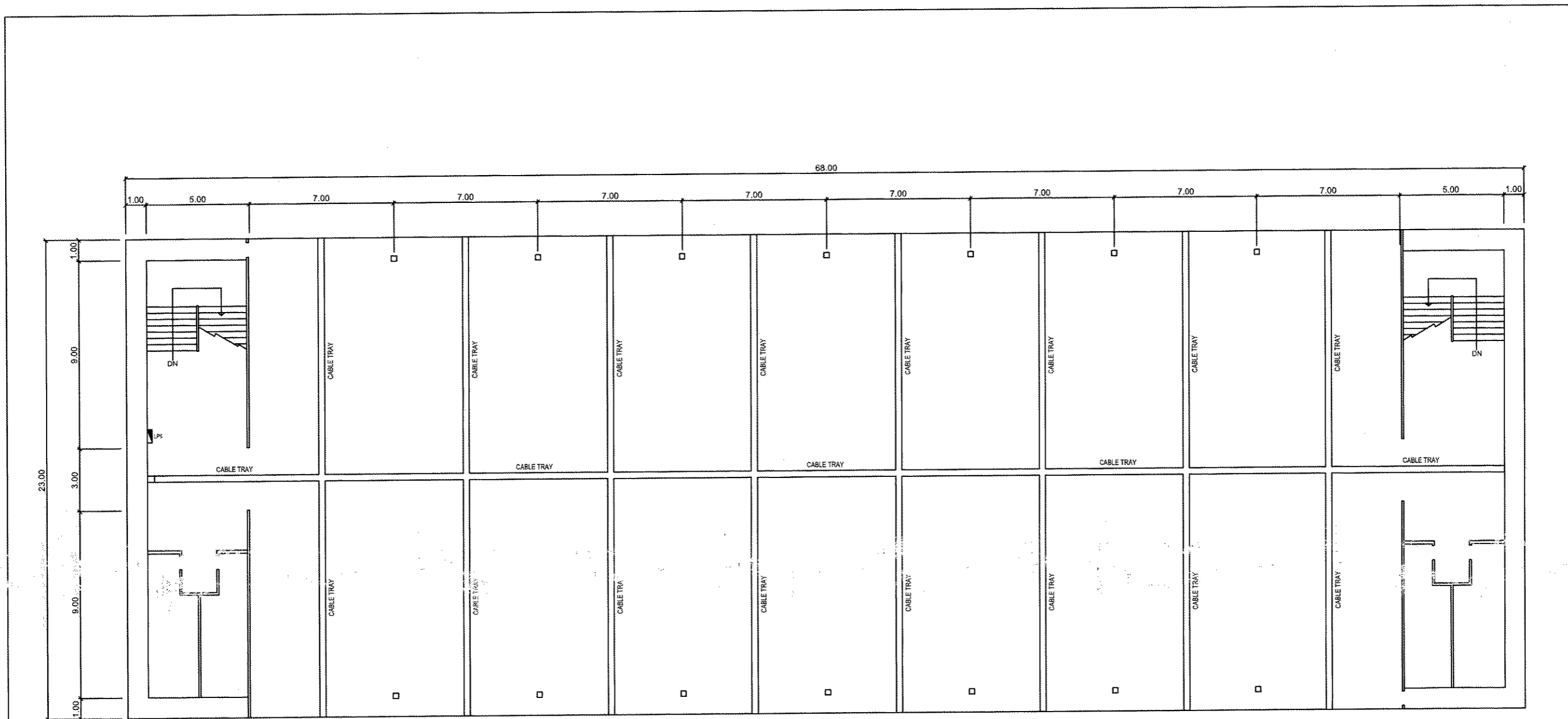
REC. APPROVAL:  
  
**V. C. A. POLINGA**  
 VPASS CVSU

APPROVED BY:  
  
**H. D. ROBLES**  
 PRES CVSU

PROJECT TITLE / LOCATION:  
**IMPROVEMENT OF BACOR CAMPUS**  
 CVSU - BACOR CAMPUS BACOR CITY

IMPLEMENTING AGENCY  
**CAVITE STATE UNIVERSITY**

SHT NO:  
**E - 5**



### ROOF DECK CABLE TRAY LAYOUT

SCALE:

1:200 MTS.

CADD BY:  
  
 LORDLEY M. BALLAR  
 PPU OVPPD  
 PROFESSIONAL ELECTR. ENGR.  
  
 RONALD P. PERA  
 PPU OVPPD

END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE / LOCATION:	IMPLEMENTING AGENCY	SHT NO:
 M. MACALALAD DEAN CVSU-BACOR	 B. DE LOS REYES DIRECTOR PLANNING OFFICE	 M. M. ESCOBAR VPPD CVSU	 C. A. POLINGA VPASS CVSU	 H. G. ROBLES PRES CVSU	IMPROVEMENT OF BACOR CAMPUS CVSU - BACOR CAMPUS BACOR CITY	CAVITE STATE UNIVERSITY E - 6

# SCHEDULE OF LOADS

PANEL: MDP PHASE: 1 VOLTS: 230		CABLE: 2 sets 2 - 250 SQMM THHN + 1 - 38.0 SQMM THHN CONDUIT: RSC, 2 - 100 MM DIA.			MAIN: 800AT, 800AF, 2P, 230V, 65KAIC, CB ENCLOSURE: NEMA 1 MOUNTING: SURFACE					
CKT NO.	PANEL CODE	PANEL DESCRIPTION	LOAD IN			CIRCUIT PROTECTION CIRCUIT BREAKER RATING	Size of Conductor		Size Of Conduit In MM ø	Color Code
			WATTS	VOLT	AMP		SQ. MM THHN	SQ. MM THHN(G)		
1	LPP4	LIGHTING AND POWER PANEL 4	34480	230	149.83	125AT, 2P,10 KAIC	2 - 38.0 +	G 8.0	32	1R,1BK,G
2	ACPP4	AIR CONDITIONER AND POWER PANEL 4	47744	230	368.00	350AT, 2P,35 KAIC	2 - 200 +	G 14.0	80	1R,1BK,G
3	LPP5	LIGHTING AND POWER PANEL 5	57184	230	409.04	400AT, 2P,35 KAIC	2 - 200 +	G 14.0	80	1R,1BK,G
4		SPACE								
<b>TOTAL</b>			<b>139388</b>	<b>230</b>	<b>926.87</b>	<b>800AT, 2P,65 KAIC</b>	<b>2 - 2 - 200 +</b>	<b>G 38.0</b>	<b>2 - 100</b>	<b>1R,1BK,G</b>

**FEEDER and CURRENT PROTECTION COMPUTATION:**

NOTE:  $I_{FL} = [ \frac{926.87 + 25\% \times I_m}{DF} ] DF = 741.50$  Amperes  
 use: 2 sets 2 - 250 SQMM THHN + 1 - 38.0 SQMM THHN IN 2 - 100 MM DIA. RSC

$ICB = [ \frac{926.87 + 250\% \times I_m}{DF} ] DF = 741.50$  Amperes  
 use: 800AT, 800AF, 2P, 230V, 65KAIC, CB

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

This Electrical Design is good only for the above connected loads.  
 Any additional electrical load connection in the future is prohibited,  
 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

PANEL: LP4 PHASE: 1 VOLTS: 230		CABLE: 2 - 38.0 SQ. MM THHN + G 8.0 SQ MM THHN CONDUIT: RSC, 32 MM DIA.			MAIN: 125AT, 225AF, 2P, 230V, 18 KAIC, MCCB ENCLOSURE: NEMA 1 MOUNTING: SURFACE					
CKT NO.	NO. OF OUTLETS	PANEL DESCRIPTION	LOAD IN			CIRCUIT PROTECTION RATING	Size of Conductor		Size Of Conduit In MM ø	Color Code
			WATTS	VOLT	AMP		SQ. MM THHN	SQ. MM THHN(G)		
1	10	8-L.O + 2-E.L	1160	230	5.04	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
2	9	8-L.O + 1-E.L	980	230	4.26	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
3	9	8-L.O + 1-E.L	980	230	4.26	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
4	9	8-L.O + 1-E.L	980	230	4.26	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
5	10	8-L.O + 2-E.L	1160	230	5.04	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
6	9	8-L.O + 1-E.L	980	230	4.26	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
7	8	CEILING FAN	1440	230	6.26	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
8	8	CEILING FAN	1440	230	6.26	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
9	9	8-L.O + 1-E.L	980	230	4.26	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
10	9	8-L.O + 1-E.L	980	230	4.26	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
11	10	8-L.O + 2-E.L	1160	230	5.04	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
12	9	8-L.O + 1-E.L	980	230	4.26	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
13	9	8-L.O + 1-E.L	980	230	4.26	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
14	10	8-L.O + 2-E.L	980	230	4.26	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
15	8	CEILING FAN	1440	230	6.26	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
16	8	CEILING FAN	1440	230	6.26	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
17	14	10-L.O + 3-E.L + 1-ELR	1720	230	7.48	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
18	14	10-L.O + 3-E.L + 1-ELR	1720	230	7.48	20AT, 2P,10 KAIC	2 - 3.5		15	1R,1BK,G
19	8	CONVENIENCE OUTLET	1440	230	6.26	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
20	8	CONVENIENCE OUTLET	1440	230	6.26	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
21	10	CONVENIENCE OUTLET	1800	230	7.83	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
22	10	CONVENIENCE OUTLET	1800	230	7.83	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
23	10	CONVENIENCE OUTLET	1800	230	7.83	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
24	10	CONVENIENCE OUTLET	1800	230	7.83	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
25	8	CONVENIENCE OUTLET	1440	230	6.26	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
26	8	CONVENIENCE OUTLET	1440	230	6.26	20AT, 2P,10 KAIC	2 - 3.5 +	G 2.0	15	1R,1BK,G
27		SPACE								
28		SPACE								
<b>TOTAL</b>			<b>34460</b>	<b>230</b>	<b>149.83</b>	<b>125AT, 2P,10 KAIC</b>	<b>2 - 38.0 +</b>	<b>G 8.0</b>	<b>32</b>	<b>1R,1BK,G</b>

**FEEDER and CURRENT PROTECTION COMPUTATION:**


NOTE:  $I_{FL} = [ \frac{149.83 + 25\% \times I_m}{DF} ] DF = 119.86$  Amperes  
 use: 2 - 38 SQMM THHN + 1 - 8.0 SQMM THHN IN 32 MM DIA. RSC


$ICB = [ \frac{149.83 + 250\% \times I_m}{DF} ] DF = 119.86$  Amperes  
 use: 125AT, 225AF, 2P, 230V, 18KAIC, CB


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

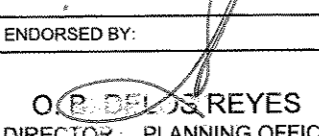
This Electrical Design is good only for the above connected loads.  
 Any additional electrical load connection in the future is prohibited,  
 Except redesign of electrical load system will be done.

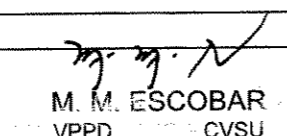
PREPARED BY: **RONALD P. PENA**  
 Professional Electrical Engineer  
 PRC # 3857  
 Expiry: April 1, 2025  
 PTR # CAV 5504164 B  
 Date: Jan. 03, 2022  
 Place: Indang, Cavite  
 TIN # 102-441-998

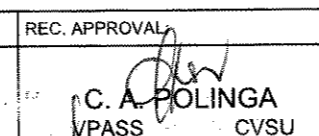
CADD BY:   
**LORDLEY MACELLAR**  
 PPU OVPDP  
 PROFESSIONAL ELECTR. ENGR.

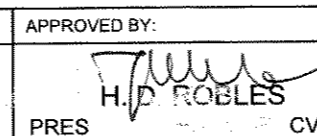
  
**RONALD P. PENA**  
 PPU OVPDP

END USER:   
**M. MACALALAD**  
 DEAN CVSU - BACOOR

ENDORSED BY:   
**O.R. DELOS REYES**  
 DIRECTOR PLANNING OFFICE

REC. APPROVAL:   
**M. M. ESCOBAR**  
 VPPD CVSU

APPROVED BY:   
**J.C.A. POLINGA**  
 VPASS CVSU

APPROVED BY:   
**H.D. ROBLES**  
 PRES CVSU

PROJECT TITLE/ LOCATION:  
**IMPROVEMENT OF BACOOR CAMPUS**  
 CVSU - BACOOR CAMPUS BACOOR CITY

IMPLEMENTING AGENCY  
**CAVITE STATE UNIVERSITY**

SHT NO:  
**E - 7**



# SCHEDULE OF LOADS

**PANEL: ACP4**      **CABLE: 2 - 200.0 SQ. MM THHN + G 14.0 SQ MM THHN**      **MAIN: 350 AT, 400AF, 2P, 230V, 35 kAIC, MCCB**  
**PHASE: 1**      **CONDUIT: RSC, 80 MM DIA.**      **ENCLOSURE: NEMA 1**  
**VOLTS: 230**      **MOUNTING: SURFACE**

CKT NO.	NO. OF OUTLETS	PANEL DESCRIPTION	LOAD IN			CIRCUIT PROTECTION CIRCUIT BREAKER RATING	Size of Conductor		Size Of Conduit In MM $\phi$	Color Code
			WATTS	VOLT	AMP		SQ. MM THHN	SQ. MM THHN(G)		
1	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
2	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
3	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
4	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
5	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
6	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
7	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
8	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
9	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
10	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
11	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
12	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
13	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
14	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
15	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
16	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
17		SPARE								
18		SPARE								
TOTAL			47744	230	368.00	350AT, 2P, 35 KAIC	2 - 200	+ G 14.0	80	1R, 1BK, G

**FEEDER and CURRENT PROTECTION COMPUTATION:**

NOTE:  $I_{FL} = [ \frac{368.00 + 25\% \times 1m}{DF} ] DF = 288.00$  Amperes  
 use: **2 - 200.0 SQMM THHN + 1 - 14.0 SQMM THHN IN 80 MM DIA. RSC**

$ICB = [ \frac{368.00 + 250\% \times 1m}{DF} ] DF = 340.40$  Amperes  
 use: **350AT, 400AF, 2P, 230V, 35kAIC, CB**

*This Electrical Design is good only for the above connected loads.  
 Any additional electrical load connection in the future is prohibited,  
 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

**PANEL: LP5**      **CABLE: 2 - 200.0 SQ. MM THHN + G 14.0 SQ MM THHN**      **MAIN: 400AT, 400AF, 2P, 230V, 35 kAIC, MCCB**  
**PHASE: 1**      **CONDUIT: RSC, 80 MM DIA.**      **ENCLOSURE: NEMA 1**  
**VOLTS: 230**      **MOUNTING: SURFACE**

CKT NO.	NO. OF OUTLETS	PANEL DESCRIPTION	LOAD IN			CIRCUIT PROTECTION CIRCUIT BREAKER RATING	Size of Conductor		Size Of Conduit In MM $\phi$	Color Code
			WATTS	VOLT	AMP		SQ. MM THHN	SQ. MM THHN(G)		
1	11	8-L.O. + 3-E.L.	2140	230	9.30	20AT, 2P, 10 KAIC	2 - 3.5		15	1R, 1BK, G
2	11	8-L.O. + 3-E.L.	2140	230	9.30	20AT, 2P, 10 KAIC	2 - 3.5		15	1R, 1BK, G
3	9	12-L.O. + 2-E.L. + 2-ELR	1920	230	8.35	20AT, 2P, 10 KAIC	2 - 3.5		15	1R, 1BK, G
4	9	CONVENIENCE OUTLET	1620	230	7.04	20AT, 2P, 10 KAIC	2 - 3.5	+ G 2.0	15	1R, 1BK, G
5	9	CONVENIENCE OUTLET	1620	230	7.04	20AT, 2P, 10 KAIC	2 - 3.5	+ G 2.0	15	1R, 1BK, G
6	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
7	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
8	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
9	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
10	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
11	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
12	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
13	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
14	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
15	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
16	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
17	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
18	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
19	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
20	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
21	1	ACU (4.0 HP)	2984	230	23.00	50AT, 2P, 10 KAIC	2 - 8.0	+ G 3.5	20	1R, 1BK, G
22		SPACE								
TOTAL			57184	230	409.04	400AT, 2P, 35 KAIC	2 - 200	+ G 14.0	80	1R, 1BK, G

**FEEDER and CURRENT PROTECTION COMPUTATION:**

NOTE:  $I_{FL} = [ \frac{409.04 + 25\% \times 1m}{DF} ] DF = 331.83$  Amperes  
 use: **2 - 200.0 SQMM THHN + 1 - 14 SQMM THHN IN 80 MM DIA. RSC**

$ICB = [ \frac{409.04 + 250\% \times 1m}{DF} ] DF = 373.23$  Amperes  
 use: **400AT, 400AF, 2P, 230V, 35kAIC, CB**





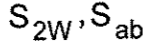











*This Electrical Design is good only for the above connected loads.  
 Any additional electrical load connection in the future is prohibited,  
 Except redesign of electrical load system will be done.*

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

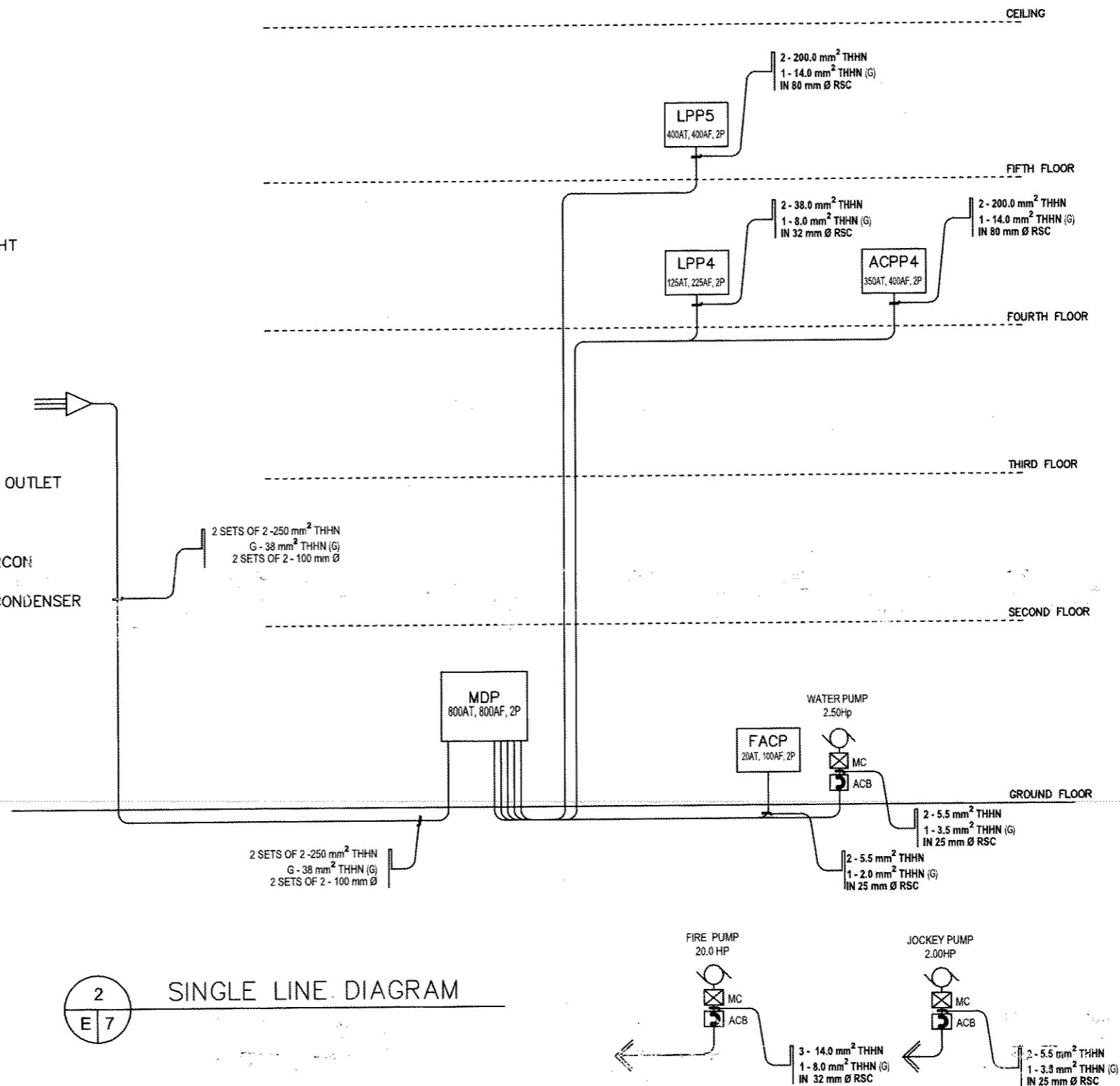
CADD BY:  
  
**LORDLEY M. ADELLAR**  
 PPU OVPD

PROFESSIONAL ELECTRICAL ENGR.  
  
**RONALD P. PENA**  
 PPU OVPD

END USER:  <b>M. MACALALAD</b> DEAN CVSU - BACOOR	ENDORSED BY:  <b>O. B. DE LOS REYES</b> DIRECTOR PLANNING OFFICE	REC. APPROVAL:  <b>M. M. ESCOBAR</b> VPPD CVSU	APPROVED BY:  <b>S. A. ROLINGA</b> MPASS CVSU	APPROVED BY:  <b>H. D. ROBLES</b> PRES CVSU	PROJECT TITLE/ LOCATION: <b>IMPROVEMENT OF BACOOR CAMPUS</b> CVSU - BACOOR CAMPUS BACOOR CITY	IMPLEMENTING AGENCY <b>CAVITE STATE UNIVERSITY</b>	SHT NO: <b>E - 8</b>
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-  2-18W FLOURESCENT LIGHT
-  EMERGENCY LIGHT
-  EXHAUST FAN
-  ONE GANG SWITCH
-  TWO GANG SWITCH
-  THREE WAY SWITCH
-  TWO GANG CONVENIENCE OUTLET
-  THREE PIN ACU OUTLET
-  1.5 HP WINDOW TYPE AIRCON
-  2.0 HP SPLIT TYPE AC CONDENSER
-  SPLIT TYPE AC BLOWER
-  2.0 m² THHN
-  3.5 m² THHN
-  CIRCUIT HOMERUN
-  GLP1 CIRCUIT NUMBER
-  PANEL BOARD

1  
E 7  
LEGEND



CADD BY:  
*Lordley M. Agellar*  
LORDLEY M. AGELLAR  
PPU OVPPD  
PROFESSIONAL ELECTRICAL ENGR.  
*Ronald P. Peña*  
RONALD P. PEÑA  
PPU OVPPD

END USER:  
*M. M. Escobar*  
M. M. ESCOBAR  
VPPD CVSU  
DEAN CVSU - BACCOOR

ENDORSED BY:  
*O. S. De los Reyes*  
O. S. DE LOS REYES  
DIRECTOR PLANNING OFFICE

REC. APPROVAL:  
*M. M. Escobar*  
M. M. ESCOBAR  
VPPD CVSU

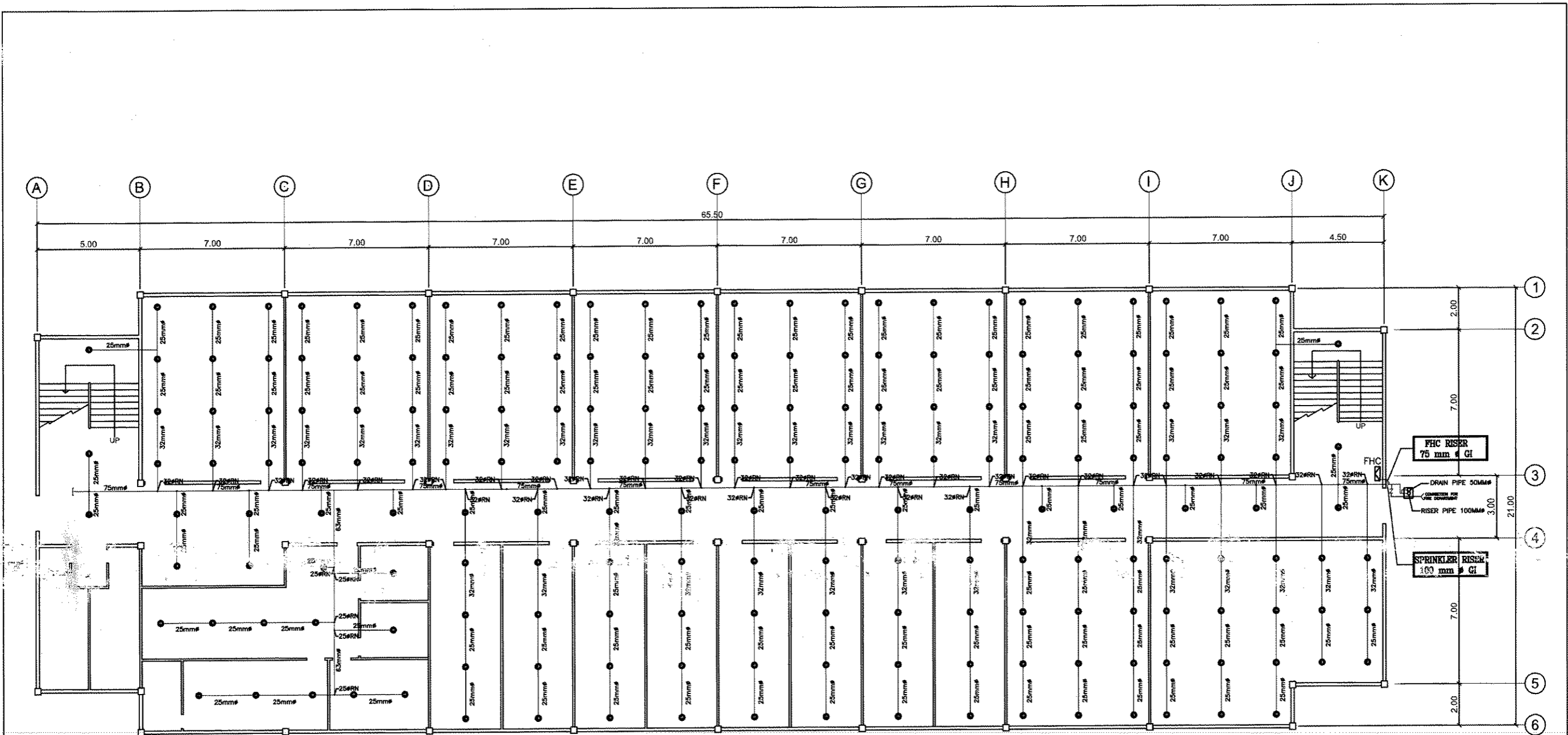
APPROVED BY:  
*C. A. Tolinga*  
C. A. TOLINGA  
VPASS CVSU

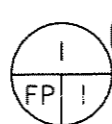
APPROVED BY:  
*H. D. Robles*  
H. D. ROBLES  
PRES CVSU

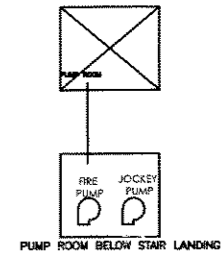
PROJECT TITLE/ LOCATION:  
IMPROVEMENT OF BACCOOR CAMPUS  
CVSU - BACCOOR CAMPUS BACCOOR CITY

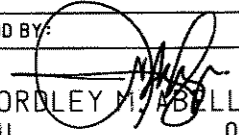
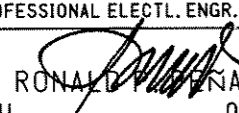

IMPLEMENTING AGENCY  
CAVITE STATE UNIVERSITY

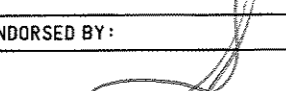
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E - 9

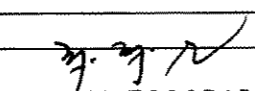


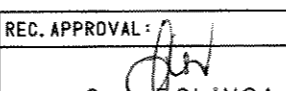

**GROUND FLOOR SPRINKLER PLAN**  
 SCALE: 1:200 MTS.

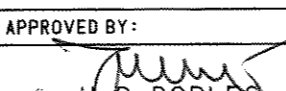


CADD BY:  
  
**LORDLEY M. BELLAR**  
 PPU OVPPD  
 PROFESSIONAL ELECTR. ENGR.  
  
**RONALD M. MEDINA**  
 PPU OVPPD  
 END USER:  
  
**M. M. ESCOBAR**  
 DEAN CVSU-BACCOOR

ENDORSED BY:  
  
**O. B. PELOS REYES**  
 DIRECTOR PLANNING OFFICE

  
**M. M. ESCOBAR**  
 VPPD CVSU

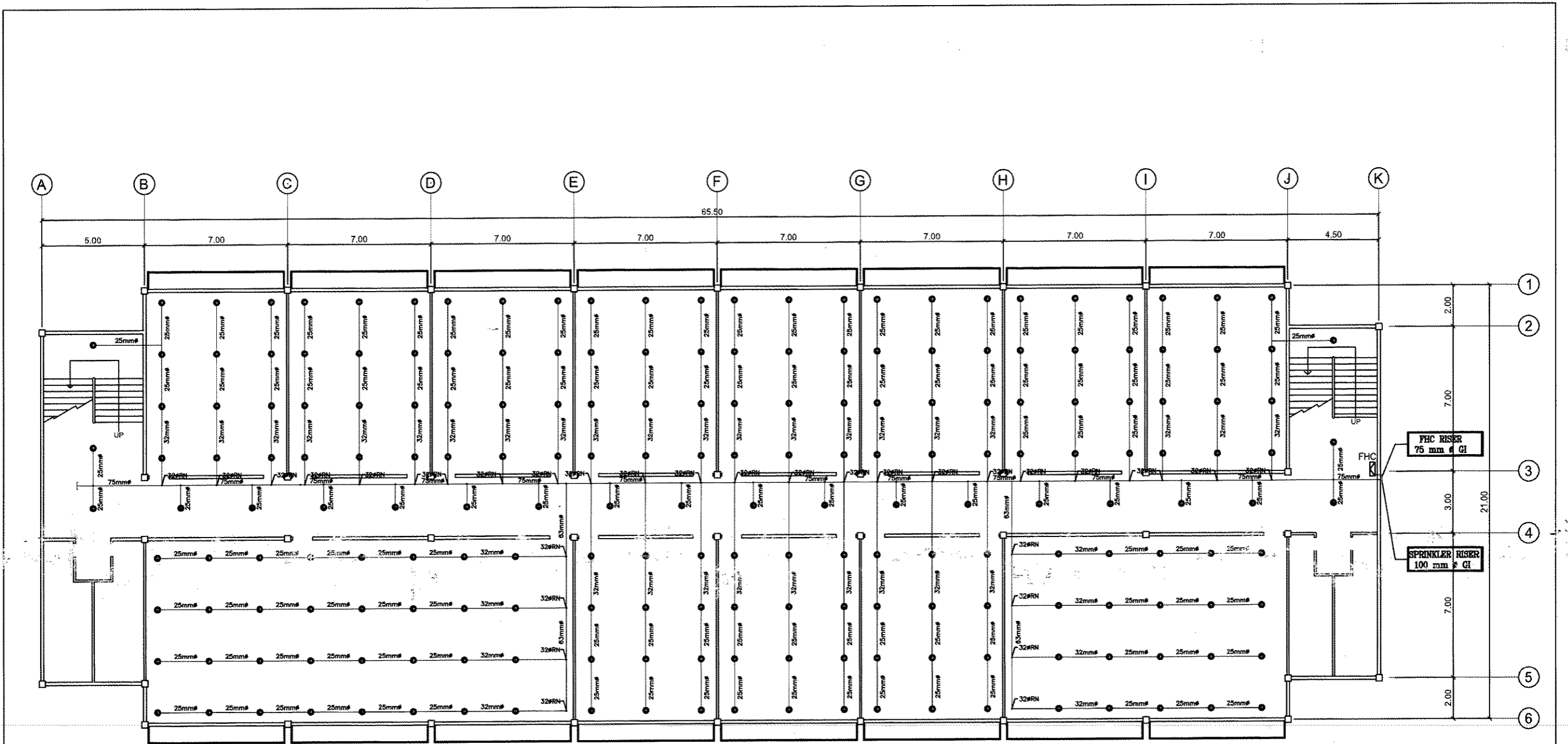
REC. APPROVAL:  
  
**C. A. DELINGA**  
 VPASS CVSU

APPROVED BY:  
  
**H. D. ROBLES**  
 PRES CVSU

PROJECT TITLE / LOCATION:  
**IMPROVEMENT OF BACCOOR CAMPUS**  
 CVSU - BACCOOR CAMPUS BACCOOR CITY

IMPLEMENTING AGENCY  
**CAVITE STATE UNIVERSITY**

SHT NO:  
**FP - I**



1 SECOND FLOOR SPRINKLER PLAN  
FP 2 SCALE: 1:200 MTS.

CADD BY: *[Signature]*  
**LORDLEY M. ABELLAR**  
 PPU OVPPD  
 PROFESSIONAL ELECTL. ENGR.  
*[Signature]*  
**RONALDY P. VEÑA**  
 PPU OVPPD  
 END USER: *[Signature]*  
**M. MACALALAD**  
 DEAN CVSU-BACDOR

ENDORSED BY: *[Signature]*  
**O. B. DELOS REYES**  
 DIRECTOR PLANNING OFFICE

REC. APPROVAL: *[Signature]*  
**M. M. ESCOBAR**  
 VPPD CVSU

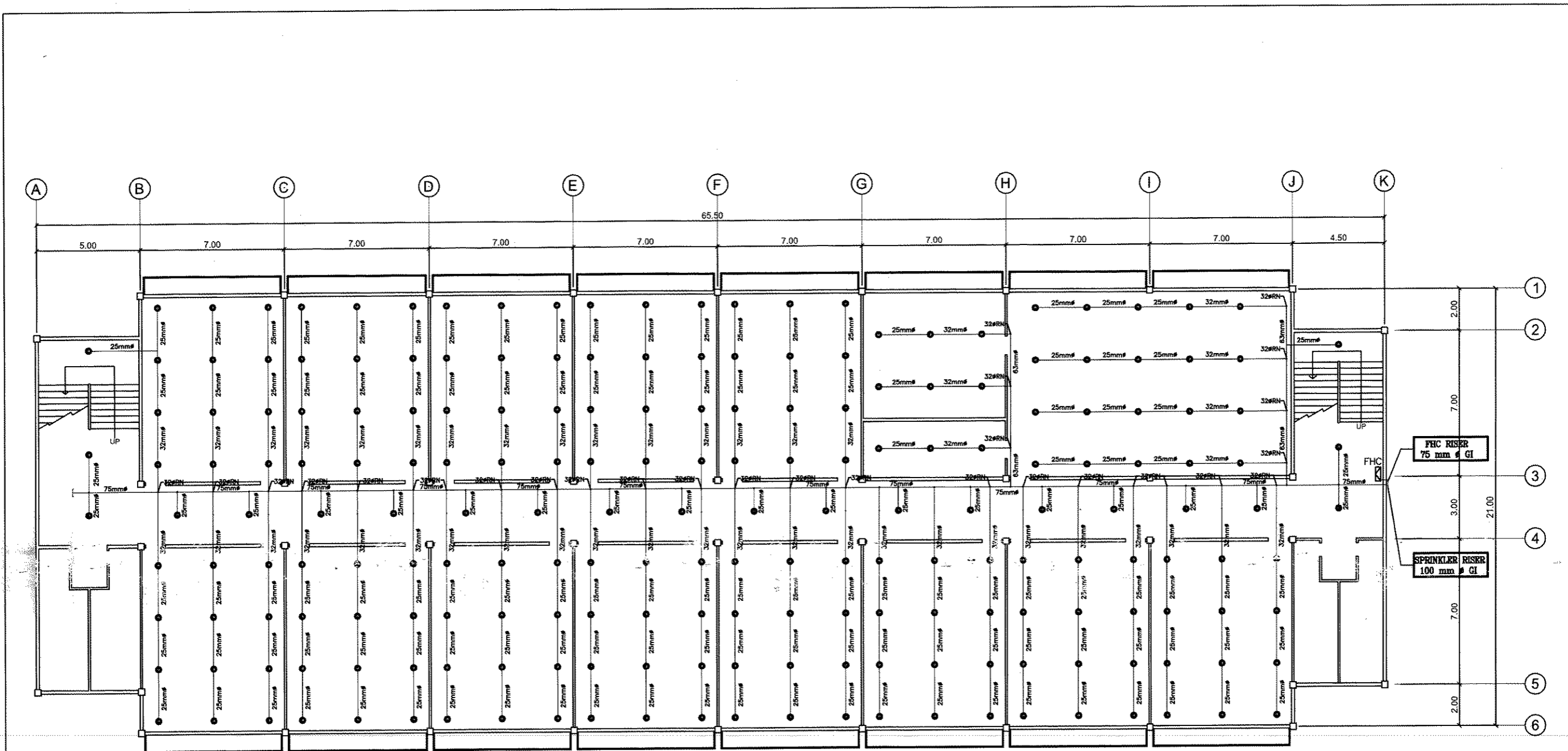
APPROVED BY: *[Signature]*  
**J. C. A. POLINGA**  
 VPASS CVSU

APPROVED BY: *[Signature]*  
**H. D. ROBLES**  
 PRES CVSU

PROJECT TITLE / LOCATION:  
**IMPROVEMENT OF BACDOR CAMPUS**  
 CVSU - BACDOR CAMPUS BACDOR CITY

IMPLEMENTING AGENCY  
**CAVITE STATE UNIVERSITY**

SHT NO:  
**FP - 2**



I  
 FP 3
 
 THIRD FLOOR SPRINKLER PLAN  
 SCALE: 1:200 MTS.

CADD BY: *[Signature]*  
 LORDLEY M. BELLAR  
 PPU OVPPD  
 PROFESSIONAL ELECTL. ENGR.  
*[Signature]*  
 RONALD P. PENIA  
 PPU OVPPD  
 END USER: *[Signature]*  
 M. MACALALAD  
 DEAN CVSU-BACOR

ENDORSED BY: *[Signature]*  
 O. B. DELOS REYES  
 DIRECTOR PLANNING OFFICE

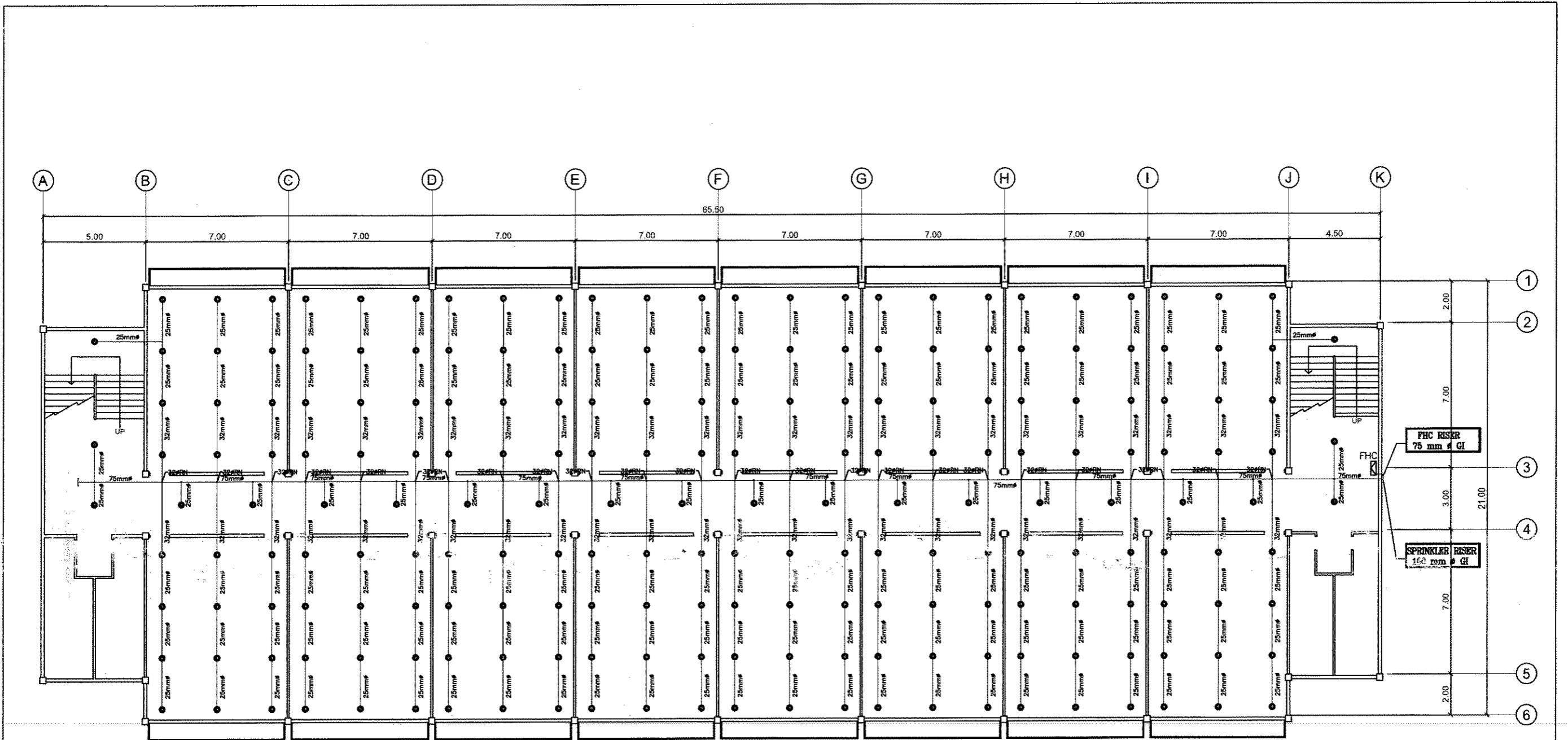
REC. APPROVAL: *[Signature]*  
 M. M. ESCOBAR  
 VPPD CVSU

APPROVED BY: *[Signature]*  
 C. A. POLINGA  
 VPASS CVSU

APPROVED BY: *[Signature]*  
 H. D. ROBLES  
 PRES CVSU

PROJECT TITLE/ LOCATION:  
 IMPROVEMENT OF BACOR CAMPUS  
 CVSU - BACOR CAMPUS BACOR CITY

IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY  
 SHT NO: FP - 3



1
4
**FOURTH FLOOR SPRINKLER PLAN**  
 SCALE: 1:200 MTS.

CADD BY:  
  
**LORDLEY M. ABELLAR**  
 PPU OVPPD  
 PROFESSIONAL ELECTR. ENGR.  
  
**RONALD PEÑA**  
 PPU OVPPD  
 END USER:  
  
**M. MACALALAD**  
 DEAN CVSU-BACOR

ENDORSED BY:  
  
**O. B. DELOS REYES**  
 DIRECTOR PLANNING OFFICE

REC. APPROVAL:  
  
**M. M. ESCOBAR**  
 VPPD CVSU

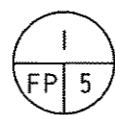
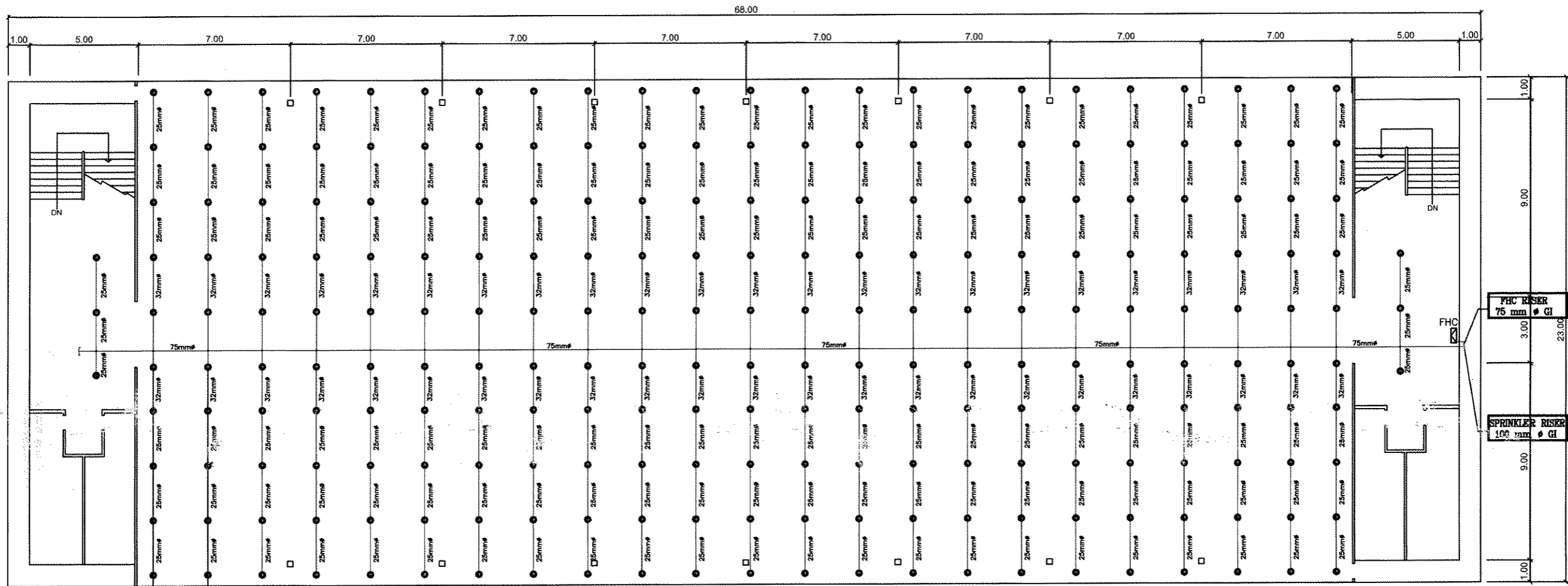
APPROVED BY:  
  
**N. C. A. POLINGA**  
 VPASS CVSU

APPROVED BY:  
  
**H. D. ROBLES**  
 PRES CVSU

PROJECT TITLE / LOCATION:  
**IMPROVEMENT OF BACOR CAMPUS**  
 CVSU - BACOR CAMPUS BACOR CITY

IMPLEMENTING AGENCY  
**CAVITE STATE UNIVERSITY**

SHT NO:  
**FP - 4**



# ROOF DECK SPRINKLER PLAN

SCALE:

1:200 MTS.

CADD BY:	
LORDLEY M. APELLAR PPU	OVPPD
PROFESSIONAL ELECTRICAL ENGR.	
RONALDO PENA PPU	OVPPD
END USER:	ENDORSED BY:
M. MACALALAD DEAN CVSU-BACOR	O. P. DELOS REYES DIRECTOR PLANNING OFFICE

M. M. ESCOBAR VPPD CVSU
-------------------------------

C. A. POLINGA VPASS CVSU
--------------------------------

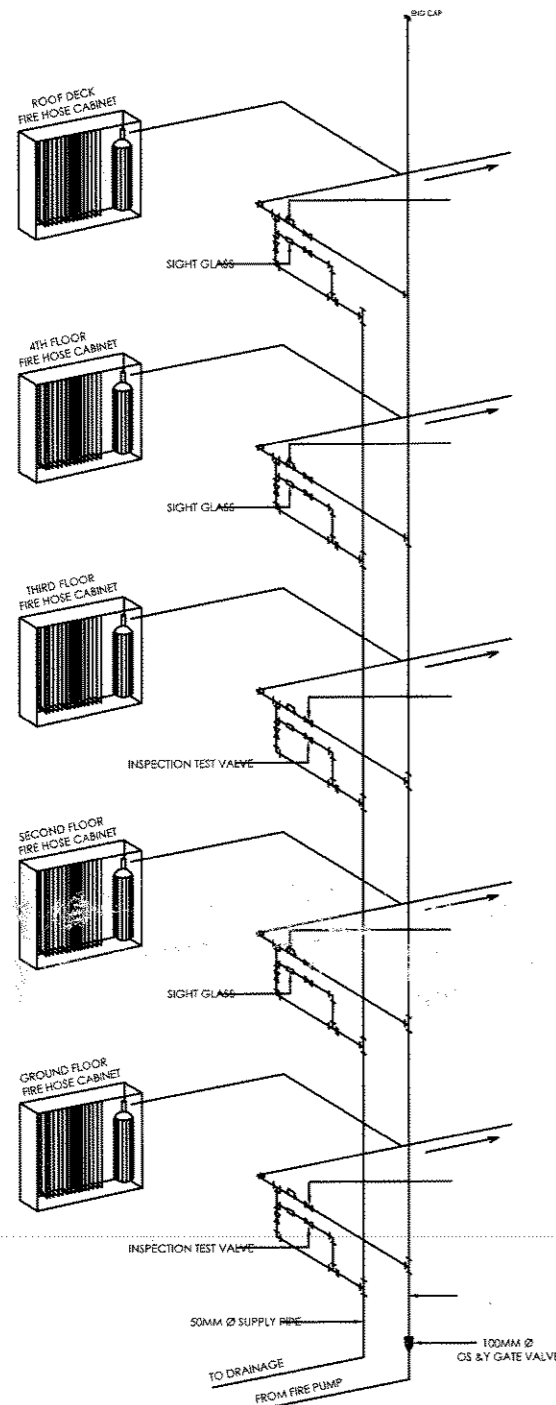
H. P. RUBLES PRES CVSU
------------------------------

PROJECT TITLE / LOCATION:
IMPROVEMENT OF BACOR CAMPUS CVSU - BACOR CAMPUS BACOR CITY

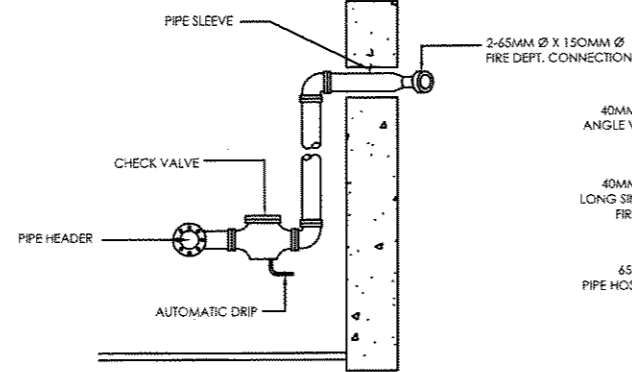
IMPLEMENTING AGENCY
CAVITE STATE UNIVERSITY

SHT NO:
FP - 5

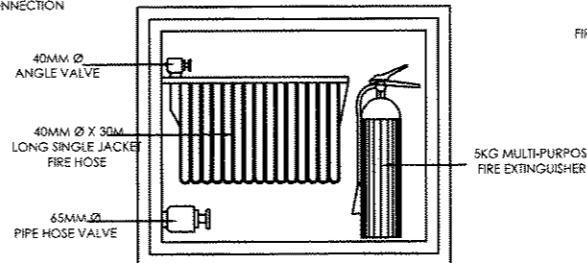




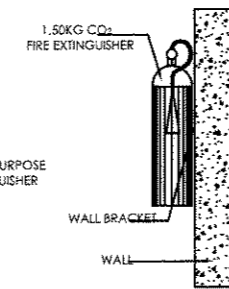
FIRE HOSE CABINET RISER DIAGRAM



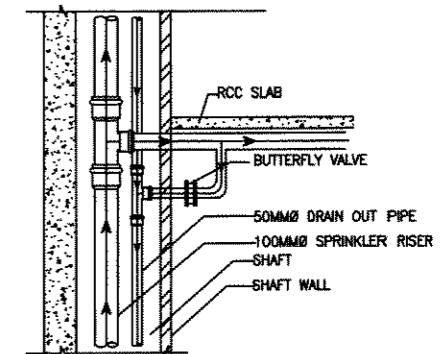
DRY STAND PIPE DETAIL



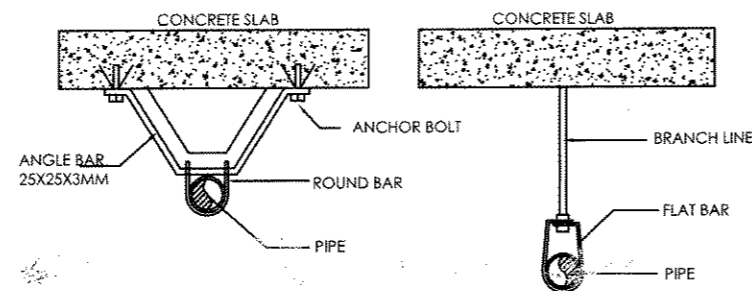
FIRE HOSE CABINET DETAIL



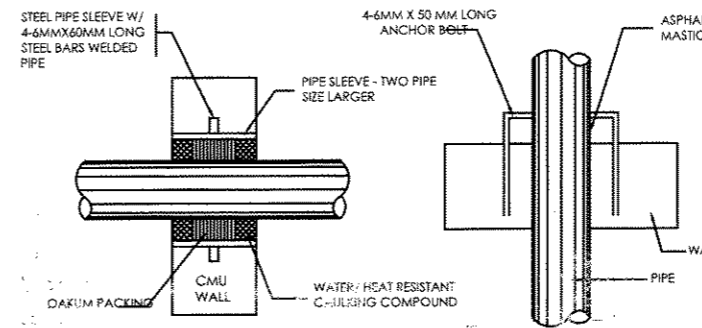
WALL MOUNTED FIRE EXTINGUISHER DETAIL



DRAIN OUT PIPE SECTION

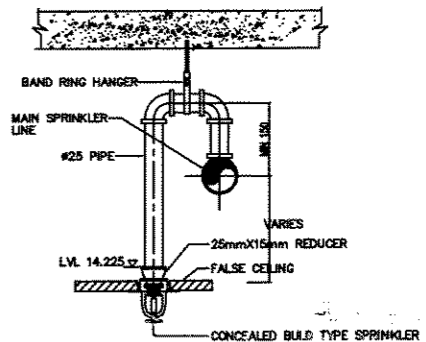


TWO-WAY BRACE/ PIPE HANGER

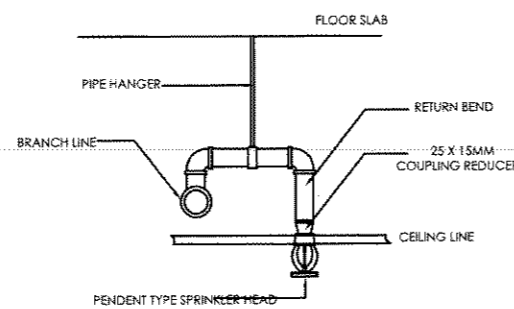


PIPE SLEEVE

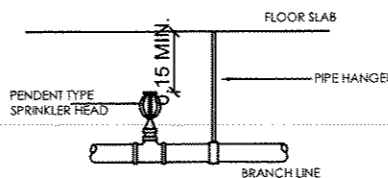
FOUR WAY BRACE



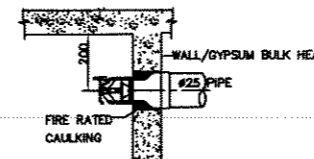
INSTALLATION DETAIL FOR PENDENT SPRINKLER (CONCEALED)



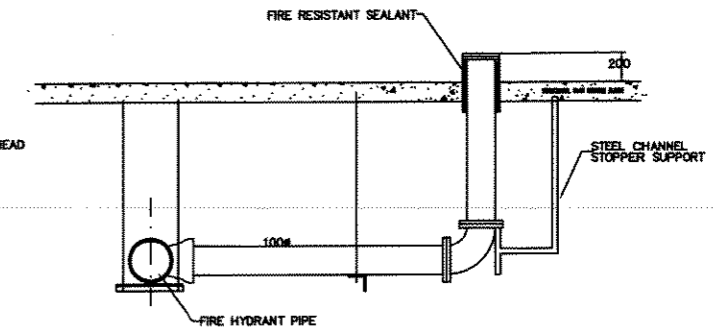
PENDENT SPRINKLER HEAD



UPRIGHT SPRINKLER HEAD



DETAIL FOR HORIZONTAL SIDEWALL SPRINKLER



FIRE HYDRANT

1  
FP 6

# FIRE PROTECTION DETAILS

SCALE

NTS.

CADD BY: <b>LOROLEY M. ABELLAR</b> PPU OVPDP
PROFESSIONAL ELECT. ENGR. - <b>RONALD M. PEÑA</b> PPU OVPDP
END USER: <b>M. MACALALAD</b> DEAN CVSU - BACOR

ENDORSED BY: <b>O. B. DELOS REYES</b> DIRECTOR PLANNING OFFICE
--

REC. APPROVAL: <b>M. M. ESCOBAR</b> VPPD CVSU
---

APPROVED BY: <b>P. POLINGA</b> VPASS CVSU
---

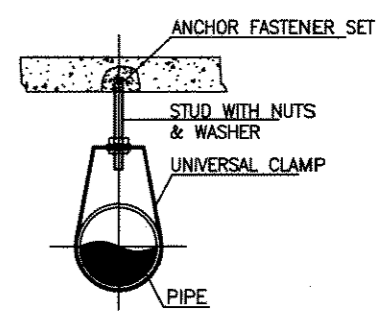
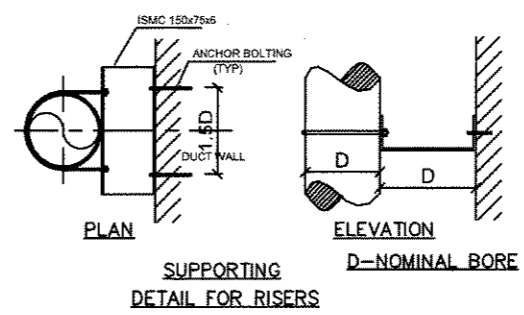
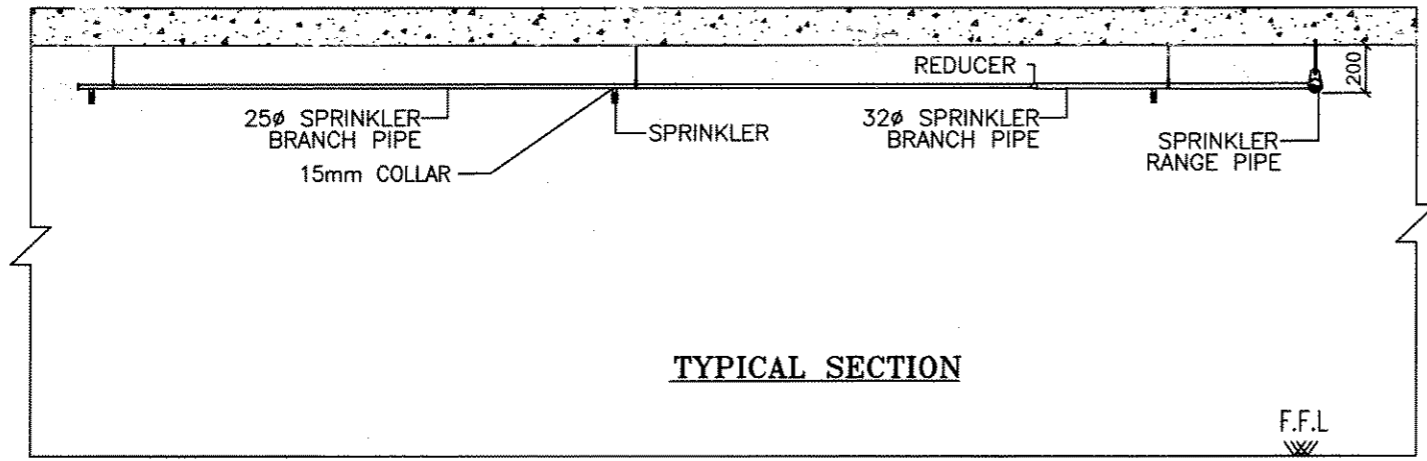
APPROVED BY: <b>H. D. ROBLES</b> PRES CVSU
--

PROJECT TITLE/ LOCATION: IMPROVEMENT OF BACOR CAMPUS CVSU - BACOR CAMPUS BACOR CITY
---

IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY
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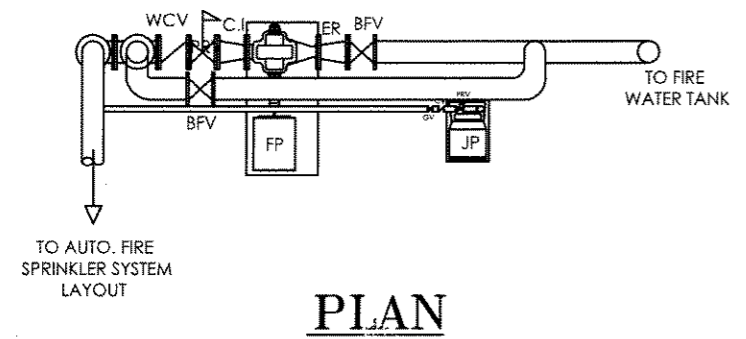
SHT NO.: FP - 6
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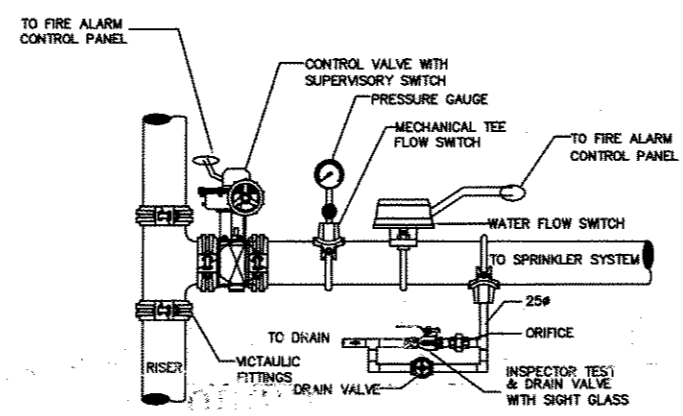


STUD ROD SIZES		PIPE SUPPORT DETAILS	
PIPE SIZE	DIA. OF ROD	PIPE SIZE	DISTANCE BETWEEN HANGERS
25 MMØ	10 MM.	25 MMØ	3.0 M.
32 MMØ	10 MM.	32 MMØ	3.0 M.
40 MMØ	10 MM.	40 MMØ	3.0 M.
50 MMØ	10 MM.	50 MMØ	3.0 M.
65 MMØ	10 MM.	65 MMØ	3.0 M.
80 MMØ	10 MM.	80 MMØ	3.0 M.
100 MMØ	10 MM.	100 MMØ	4.0 M.
150 MMØ	12.7 MM.	150 MMØ	4.0 M.

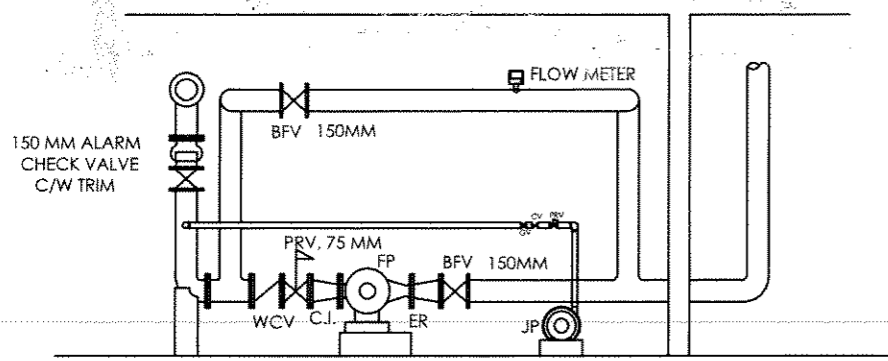
TYP. PIPE SUPPORT DETAILS



PLAN



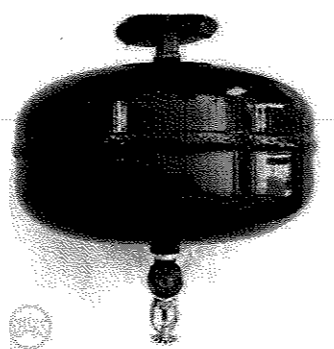
ZONE CONTROL VALVE



ELEVATION

FIRE/JOCKEY PUMP PIPING LAYOUT  
SCALE N.T.S

EQUIPMENT											
DESIGNATION	QTY.	CAPACITY (GPM)	TYPE	RPM	WORKING PRESSURE	MOTOR RATING				REMARKS	
						KW (HP)	EFF.	VOLTS	PHASE		HERTZ
FIRE PUMP	1	500	HORIZONTAL SPLIT CASE	3650	120 PSI.	45 (60HP)	65 %	220	3	60	ELECTRIC DRIVEN FIRE PUMP
JOCKEY PUMP	1	20	HORIZONTAL MULTI STAGE	3500	125 PSI.	3.73 (5 HP)	65 %	220	3	60	ELECTRIC DRIVEN JOCKEY PUMP



Ceiling Type HCFC 123 Automatic Fire Extinguisher

NOTES:

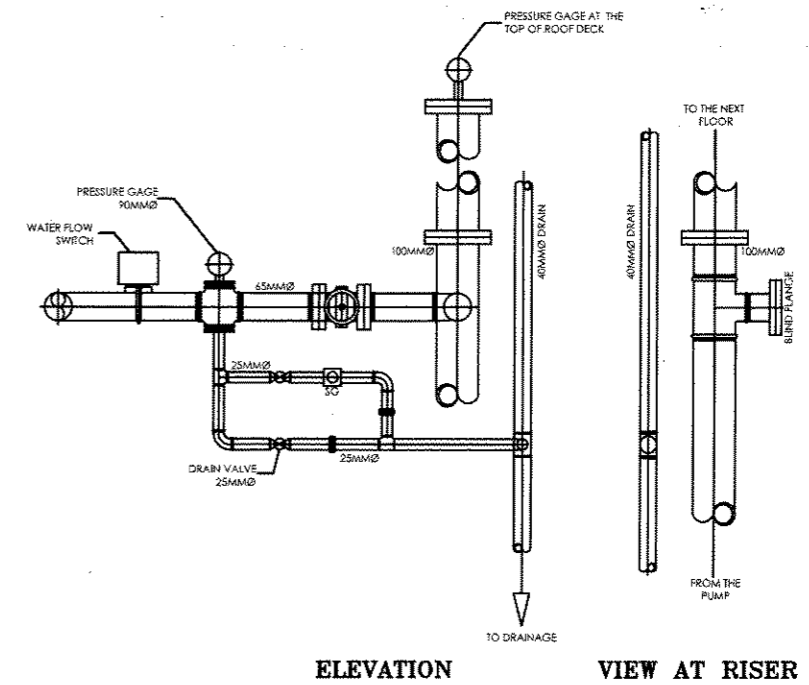
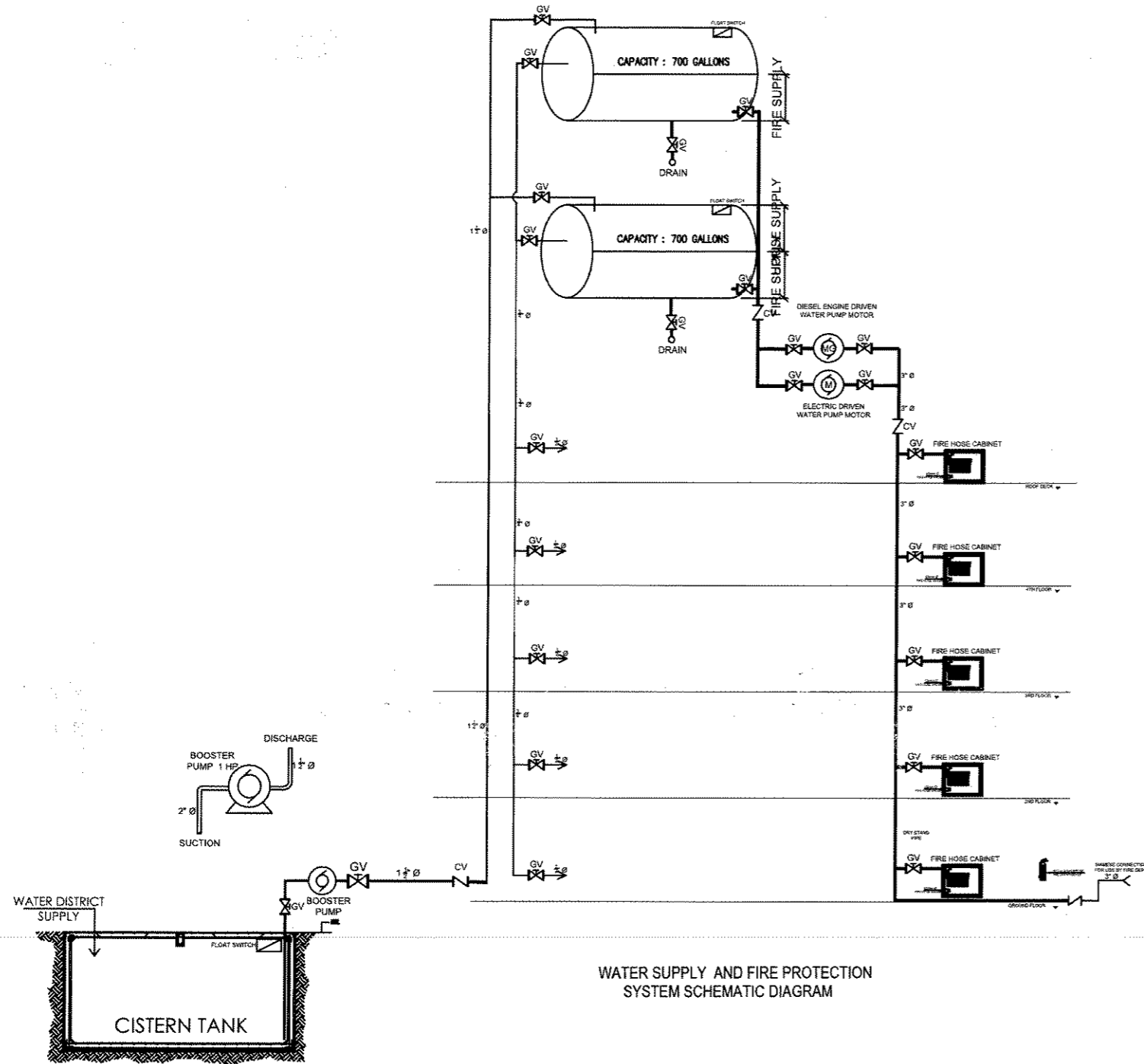
- ALL PIPES SHALL HAVE A STRENGTH EQUIVALENT TO SCHEDULE 40
- ALL PIPES SHALL BE PAINTED WITH EPOXY PRIMER PAINT AND WITH A RED PAINT AS FINAL COATING.
- ALL CONNECTIONS SHALL BE LEAK PROOF AND SHALL BE ABLE TO RESIST HIGH PRESSURE.
- USE PENDENT TYPE SPRINKLER HEADS FOR PORTIONS WITH CEILINGS.
- USE SIDE WALL TYPE SPRINKLER HEADS IN STAIRCASES.
- SPRINKLER SYSTEM WILL BE TAPPED TO EXISTING RISER AND DRAIN PIPES

CADD BY:  
**LORDLEY M. ABELLAR**  
PPU OVPPD

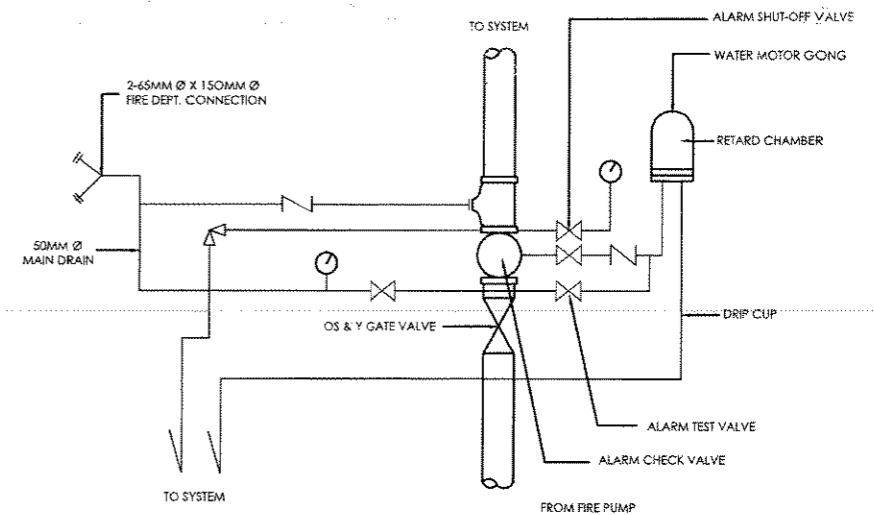
PROFESSIONAL ELECTR. ENGR.  
**RONALD P. PENA**  
PPU OVPPD

1  
FP 7  
SCALE  
**FIRE PROTECTION DETAILS**  
NTS.

END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO.:
<b>M. MACALALAD</b> DEAN CVSU - BACOR	<b>O. B. DELOS REYES</b> DIRECTOR PLANNING OFFICE	<b>M. M. ESCOBAR</b> VPPD CVSU	<b>J. C. A. POLINGA</b> VPASS CVSU	<b>H. D. ROBLES</b> PRES CVSU	IMPROVEMENT OF BACOR CAMPUS CVSU - BACOR CAMPUS BACOR CITY	CAVITE STATE UNIVERSITY FP - 7



**2 SUPERVISORY FLOOR CONTROL VALVE ASSEMBLY**  
SCALE: M-17 NTS.



**ALARM CHECK VALVE SCHEMATIC DIAGRAM**

**1 FIRE PROTECTION DETAILS**  
SCALE: FP 8 NTS.

CADD BY:  
**LORDLEY M. ABELLAR**  
PPU OVPPD

PROFESSIONAL ELECTR. ENGR.  
**RONALD P. PEÑA**  
PPU OVPPD

END USER: <b>M. MACALALAD</b> DEAN CVSU - BACOOR	ENDORSED BY: <b>O. B. DELOS REYES</b> DIRECTOR PLANNING OFFICE	REC. APPROVAL: <b>M. M. ESCOBAR</b> VPPD CVSU	APPROVED BY: <b>C. A. POLINGA</b> VPASS CVSU	APPROVED BY: <b>H. D. ROBLES</b> PRES CVSU	PROJECT TITLE/ LOCATION: <b>IMPROVEMENT OF BACOOR CAMPUS</b> CVSU - BACOOR CAMPUS BACOOR CITY	IMPLEMENTING AGENCY <b>CAVITE STATE UNIVERSITY</b>	SHT NO: <b>FP - 8</b>
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**GENERAL NOTES :**

1. INSTALLATION OF FIRE SPRINKLER SYSTEM SHALL CONFORM TO NFPA-13 REQUIREMENTS.
2. COORDINATE WITH OTHER WORKS, INCLUDING THE PLUMBING PIPING AS NECESSARY TO INTERFACE COMPONENTS OF FIRE PROTECTION PIPING PROPERLY WITH OTHER WORKS
3. SPRINKLER SHALL BE SPACED NOT LESS THAN 6 FT (1.8 M) ON CENTERS.
4. PROVIDE 10 LBS HALOTRON PORTABLE FIRE EXTINGUISHERS TO ALL ELECTRICAL ROOM AND TO OTHER ROOM OF THE SAME USAGE.
5. ALL PIPES SHALL BE PROVIDED WITH THE PIPE SLEEVE THROUGH BEAMS, WALL, AND FLOORS.
6. PROVIDE AT LEAST ONE (1) HANGER BETWEEN EACH TWO (2) BRANCH LINES.
7. LATERAL AND LONGITUDINAL SWAY BRACES SPACED AT MAXIMUM OF 12.2 M AND 24 M ON CENTER RESPECTIVELY SHALL BE PROVIDED AT ALL PIPE LINES WITH DIAMETER OF 150 MM AND LARGER.
8. PROVIDE FLANGE CONNECTIO AT MAXIMUM INTERVAL OF 12 METERS.
9. ALL PORTABLE FIRE EXTINGUISHERS INSIDE FIRE HOSE CABINET (FHC) SHALL BE CLASS "ABC" DRY CHEMICAL UNLESS OTHERWISE SPECIFIED.
10. PROVIDE 50 LBS WHEELED TYPE HALOTRON PORTABLE FIRE EXTIGUISHER IN TRANSFORMER VAULTS.
11. WHERE SPRINKLER PASSES THROUGH SEISMIC SEPARATION ASSEMBLIES, FLEXIBLE SHALL BE PROVIDED.

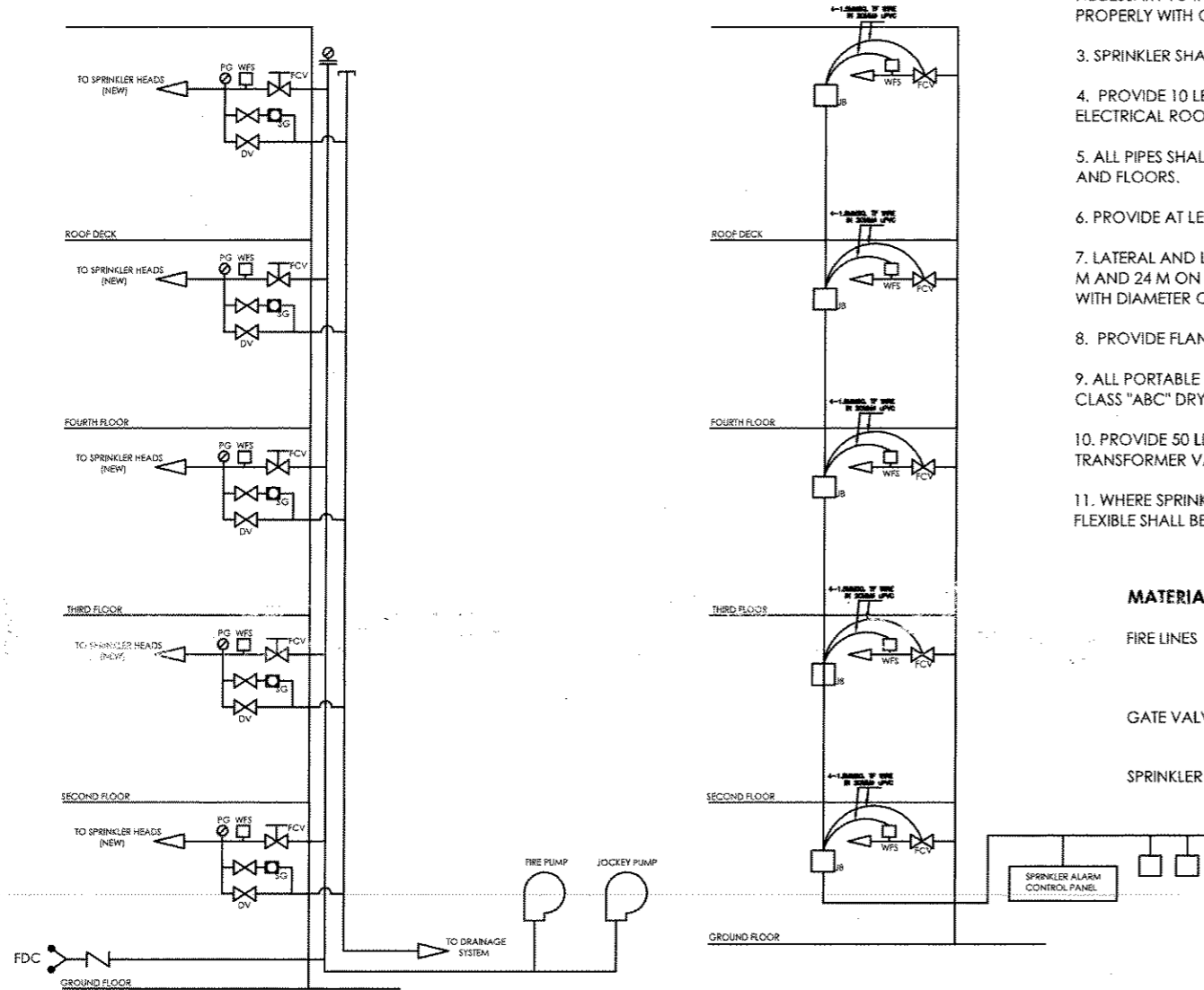
12. PROVIDE AUXILLARY DRAIN FOR TRAPPED SECTION AS REQUIRED BY NFPA-13.
13. THE DISTANCE BETWEEN THE HANGER AND CENTER OF LINE OF AN UPRIGHT SPRINKLER HEAD SHALL NOT BE LESS THAN 76 MM.
14. PROVIDE NECESSARY EARTHQUAKE PROTECTION AS REQUIRED UNDER NFPA-13 AND APPLICABLE BUILDING CODE.
15. PIPING SHALL BE CONCEALED IN AREAS WITH DROP CEILINGS.
16. INSTALL IRON PIPE SLEEVES OF AMPLE DIAMETER AT ALL POINTS WHERE PIPES PENETRATE BEAMS, FLOOR OR WALLS. SIZE AND INSTALL SO THAT THE PIPES ARE NOT STRESSED.
17. SLEEVES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF WALLS OR POURING OF CONCRETE. INSTALL SLEEVES FLUSH WITH ALL SURFACES.
18. THE CONTRACTOR MUST SUBMIT SHOP DRAWING INDICATING ACTUAL DIMENSIONAL SIZES, OPERATING WEIGHTS, AND SUFFICIENT CLEARANCES TO FACILITATE NORMAL SERVICE AND MAINTENANCE, HOWEVER, SHOULD ACTUAL EQUIPMENT PHYSICALLY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHOULD NOTIFY THE ARCHITECH IN WRITING.
19. ALL MECHANICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE RULES AND REGULATION OF THE LATEST EDITION OF THE PHILIPPINE MECHANICAL CODE.
20. ALL MECHANICAL WORKS SHALL BE DONE UNDER THE DIRECT AND IMMEDIATE SUPERVISOR OF A DULY LICENSED REGISTERED MECHANICAL ENGINEER.

**MATERIAL SPECIFICATIONS :**

- FIRE LINES - SHALL BE BLACK IRON (BI) PIPES, SCHEDULE 40 CONFORMING TO ASTM A53, PACIFIC PIPES OR APPROVED BRAND.
- GATE VALVES - SHALL BE OUTSIDE SCREW AND YOKE (OSY), CHECK AND GLOBE VALVES TO ASTM B-62.
- SPRINKLER HEADS - ALL SPRINKLER HEADS (CONCEALED, UPRIGHT & SIDEWALL) SHALL BE RATED 74° C (165° F). EXCEPT ON KITCHEN SHALL BE 100° C (212° F).

**NOTES:**

- ALL PIPES SHALL HAVE A STREIGHT EQUIVALENT TO SCHEDULE 40
- USE PENDENT TYPE SPRINKLER HEADS FOR PORTIONS WITH CEILINGS.
- ALL PIPES SHALL BE PAINTED WITH EPOXY PRIMER PAINT AND WITH A RED PAINT AS FINAL COATING.
- USE SIDE WALL TYPE SPRINKLER HEADS IN STAIRCASES.
- ALL CONNECTIONS SHALL BE LEAK PROOF AND SHALL BE ABLE TO RESIST HIGH PRESSURE.
- SPRINKLER SYSTEM WILL BE TAPPED TO EXISTING RISER AND DRAIN PIPES



**LEGEND & ABBREV.:**

	GATE VALVE		PIPING SYSTEM	C.I.	CONCENTRIC INCREASER, OPTIONAL	PRV	PRESSURE REDUCING VALVE
	CHECK VALVE		PRESSURE RELIEF VALVE	ER	ECCENTRIC REDUCER, OPTIONAL	FP	FIRE PUMP
	WATER FLOW SWITCH		PENDENT/UPRIGHT SPRINKLER	RN	RISER NIPPLE	JP	JOCKEY PUMP
	TEE CONNECTION		SIDE WALL SPRINKLER	BFV	BUTTERFLY VALVE, WAFER TYPE	FA	FIRE ALARM
	ELBOW CONNECTION		FIRE EXTINGUISHER	GV	GATE VALVE, RISING STEM	B	BELL
	OS & Y GATE VALVE WITH MONITOR SWITCH		SMOKE DETECTOR	GV	GATE VALVE, RISING STEM		
	END CAP		EAGLE HCFC 123 (dichlorodifluoroethane) Cellulose Type fire Extinguisher, Stored Pressure type	WCV	WAFER TYPE CHECK VALVE		
			SWING TYPE CHECK VALVE	CV	SWING TYPE CHECK VALVE		

**RISER DIAGRAM OF FIRE SPRINKLER SYSTEM**  
SCALE NTS.

**RISER DIAGRAM OF SPRINKLER ALARM MONITORING SYSTEM**  
SCALE NTS.

**FIRE PROTECTION DETAILS**  
SCALE NTS.

CADD BY:  
**LORDLEY M. ABELLAR**  
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PROFESSIONAL ELECT. ENGR.  
**RONALD F. PENA**  
PPU OVPDP

END USER: <b>M. MACALALAD</b> DEAN CVSU - BACOR	ENDORSED BY: <b>O. B. DELOS REYES</b> DIRECTOR PLANNING OFFICE	REC. APPROVAL: <b>M. M. ESCOBAR</b> VPPD CVSU	APPROVED BY: <b>C. A. POLINGA</b> VPASS CVSU	APPROVED BY: <b>H. D. ROBLES</b> PRES CVSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF BACOR CAMPUS CVSU - BACOR CAMPUS BACOR CITY	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHT NO.: FP - 9
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