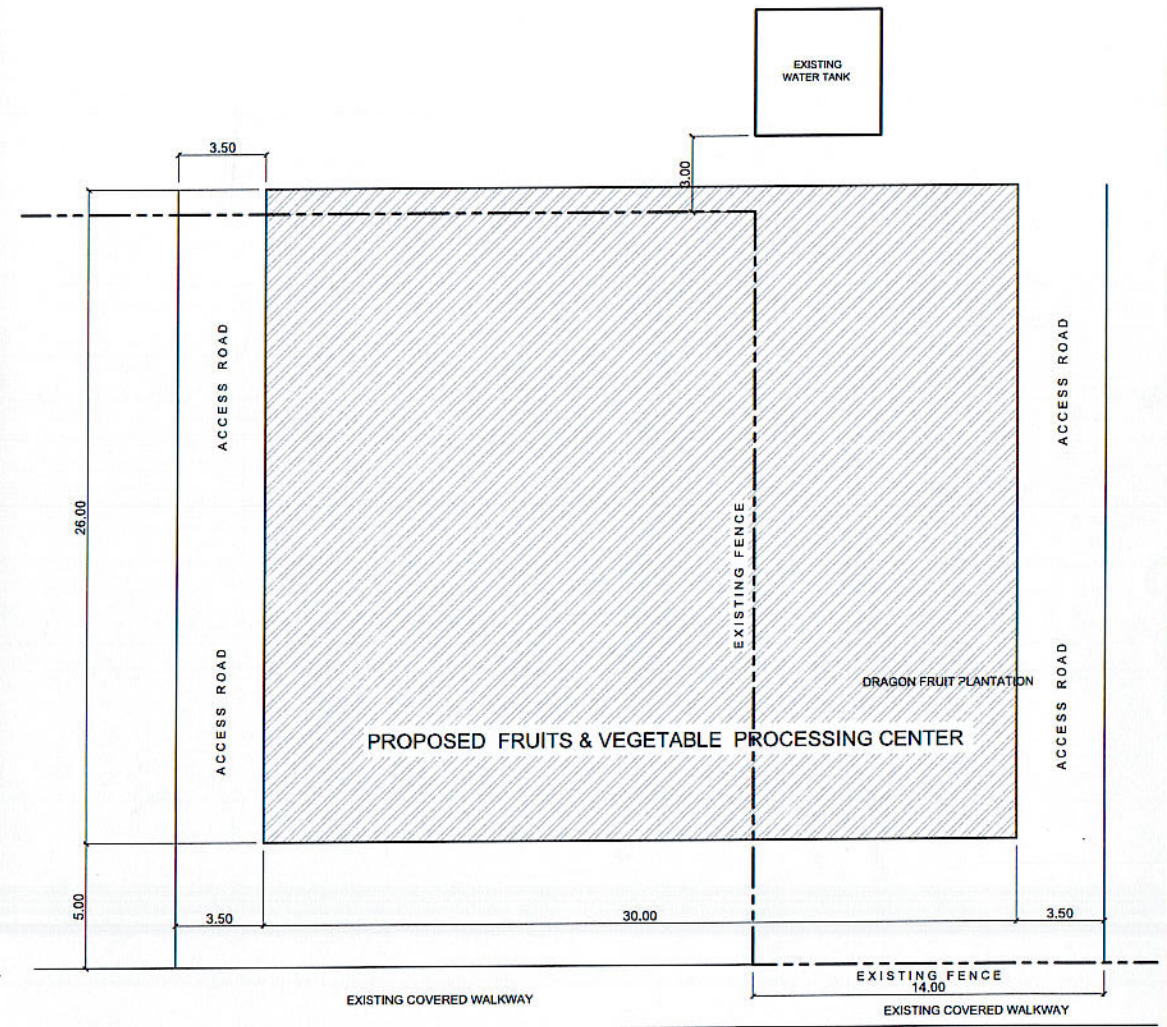
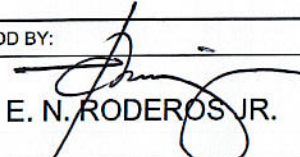
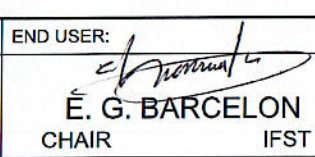
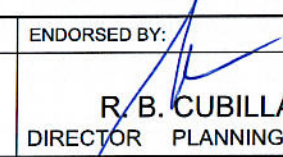
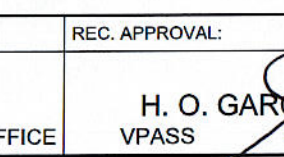
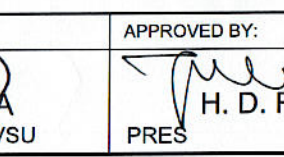


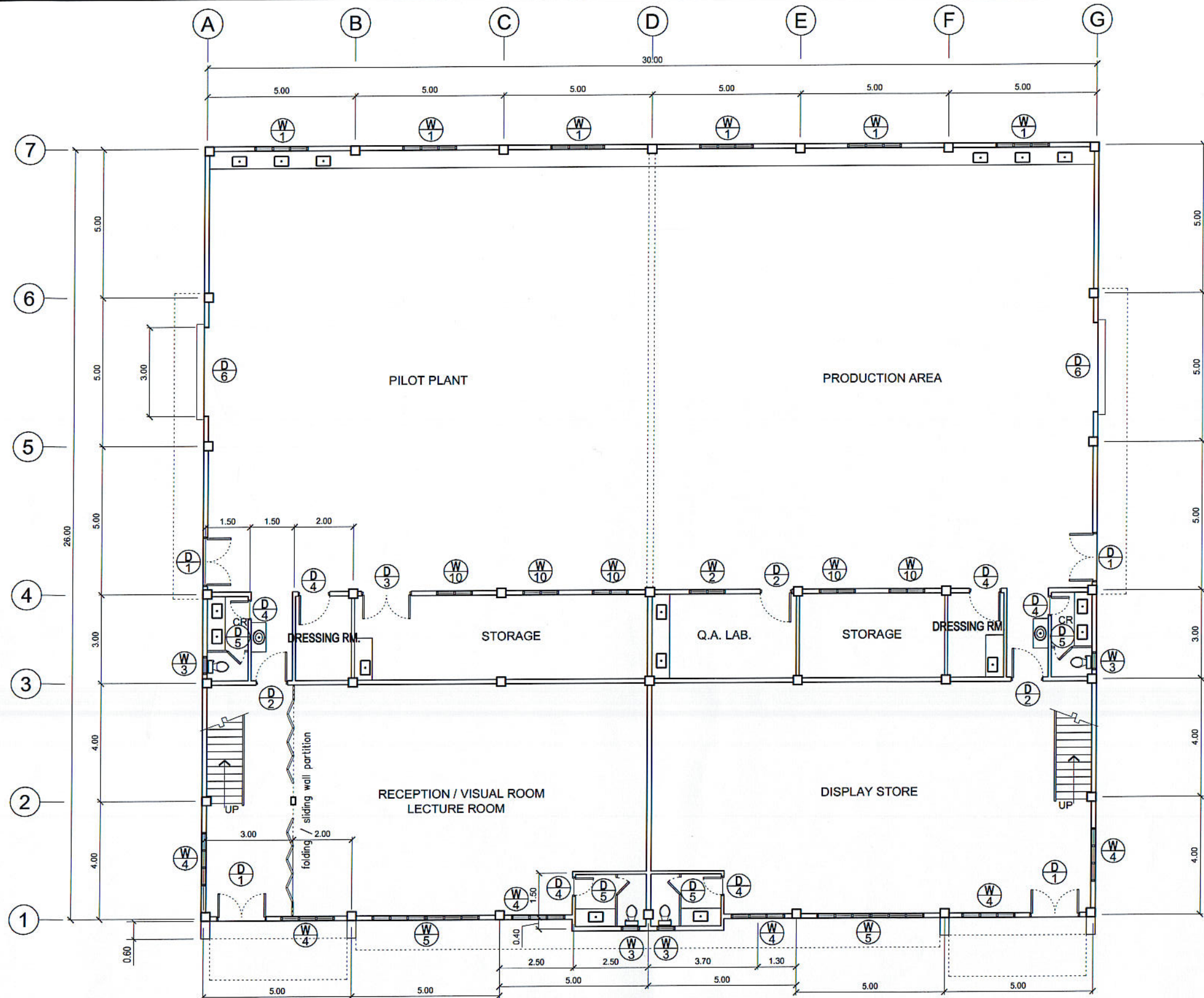


PERSPECTIVE




SITE DEVELOPMENT PLAN
 SCALE 1 : 300 MTS.

CADD BY:	END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY	SHT NO:
 E. N. RODEROS JR.	 E. G. BARCELON CHAIR IFST	 R. B. CUBILLA DIRECTOR PLANNING OFFICE	 H. O. GARCIA VPASS CVSU	 H. D. ROBLES PRES CVSU	PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	CAVITE STATE UNIVERSITY	A - 0

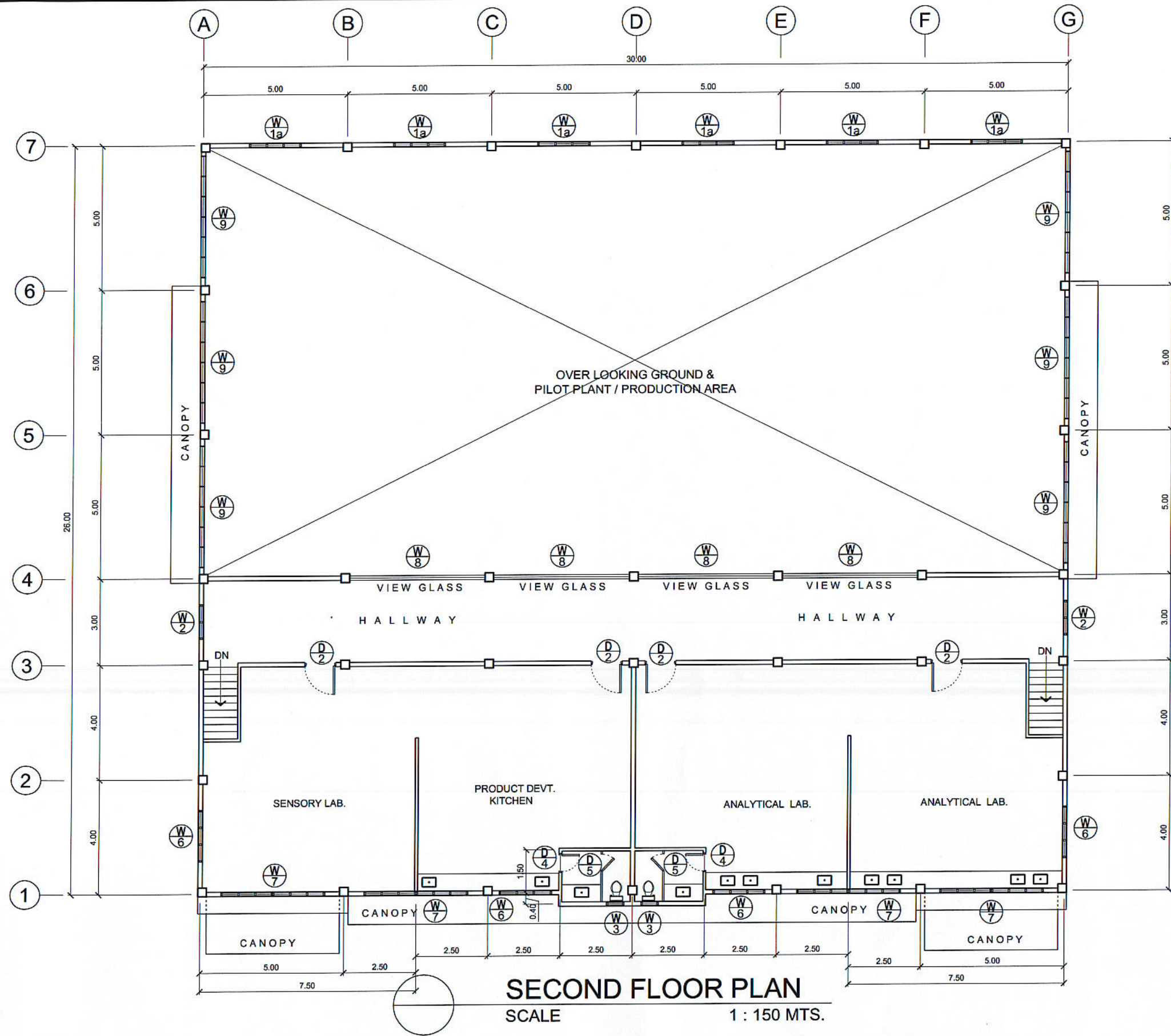


GROUND FLOOR PLAN

SCALE 1 : 150 MTS.

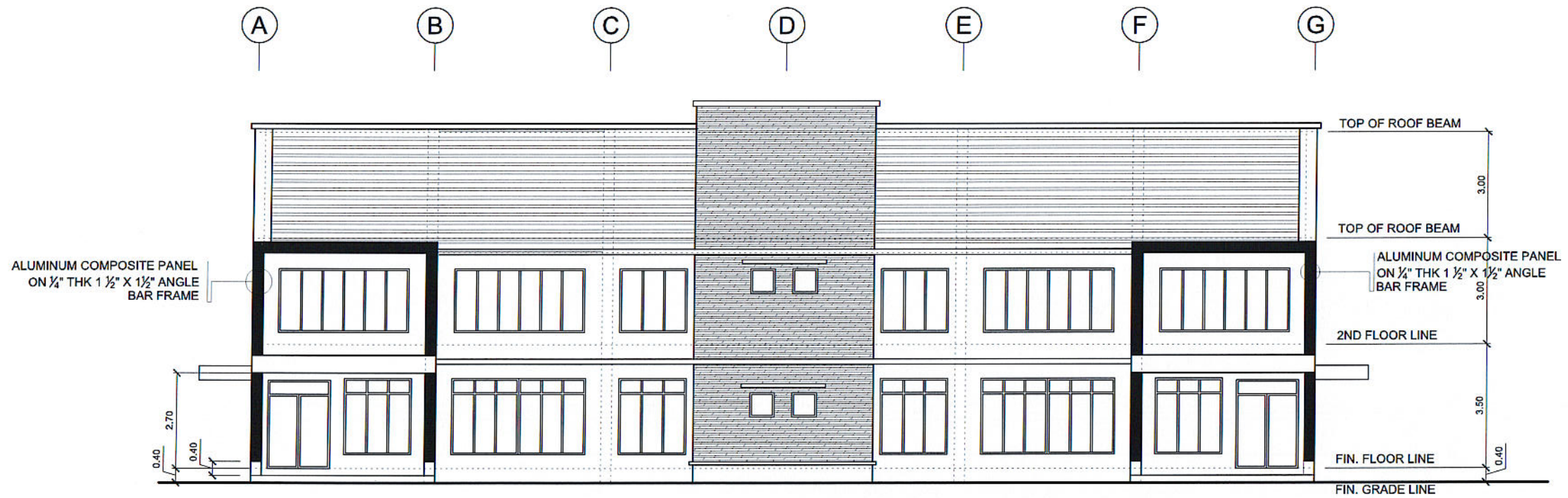
CADD BY:	END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY	SHT NO:
E. N. RODEROS JR.	A. MAGSINO DEAN CAFENR	R. B. CUBILLA DIRECTOR PLANNING OFFICE	C. A. POLINGA VPASS OVSU	H. D. ROBLES PRES CVSU	PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	CAVITE STATE UNIVERSITY	A - 1

REVISED

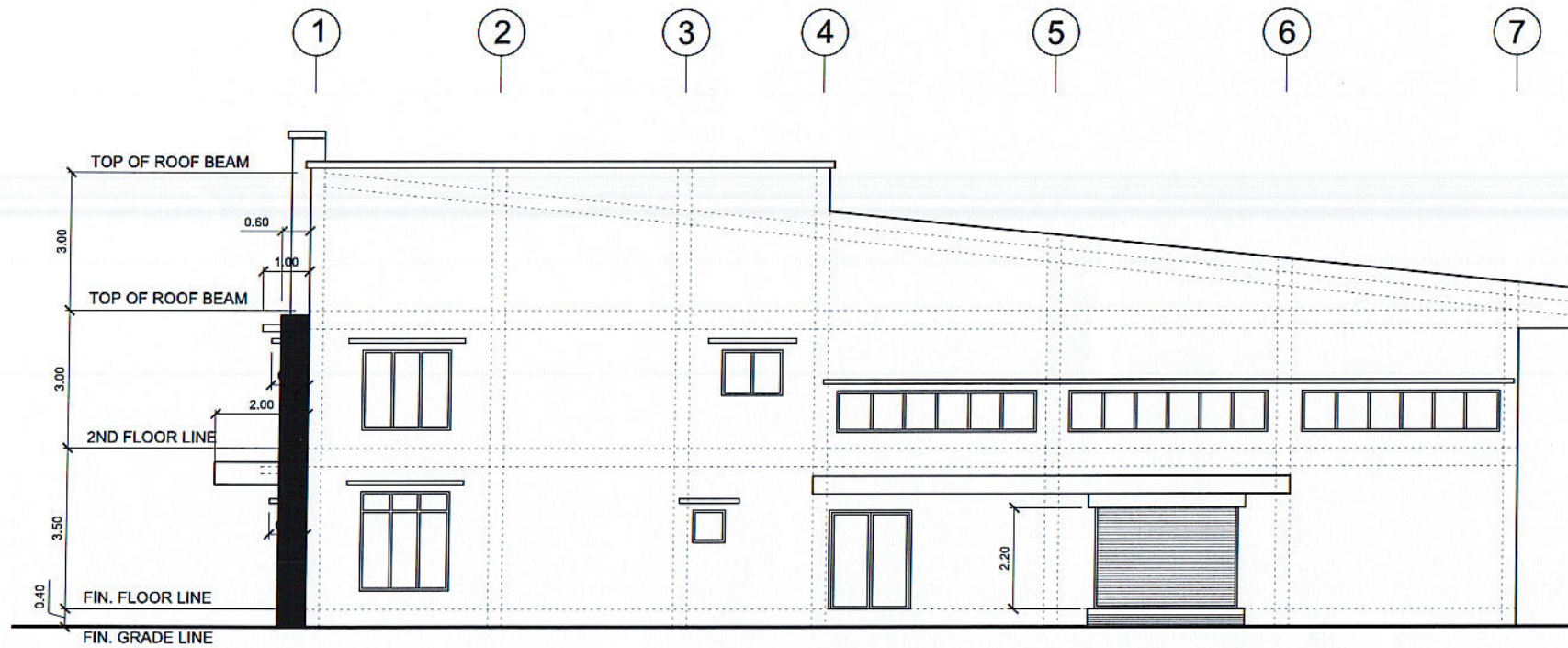


SECOND FLOOR PLAN
SCALE 1 : 150 MTS.

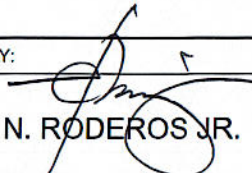
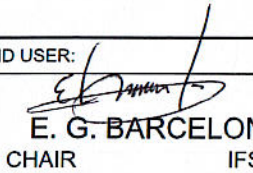

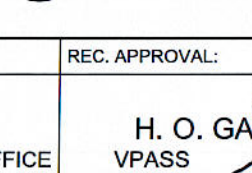
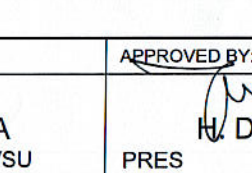
CADD BY: <i>[Signature]</i> E. N. RODEROS JR.	END USER: <i>[Signature]</i> A. MASSINO DEAN CAFENR	ENDORSED BY: <i>[Signature]</i> R. B. CUBILLA DIRECTOR PLANNING OFFICE	REC. APPROVAL: <i>[Signature]</i> VRASS CVSU	APPROVED BY: <i>[Signature]</i> H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO: A - 2
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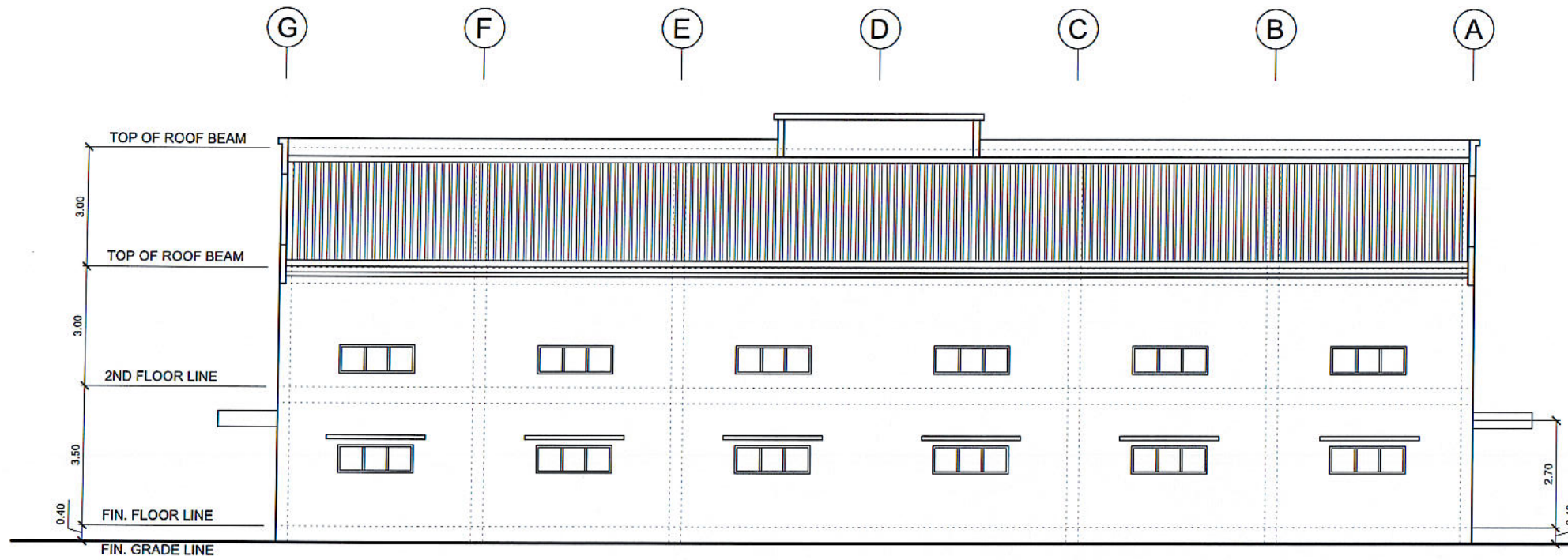



FRONT ELEVATION
 SCALE 1 : 250 MTS.

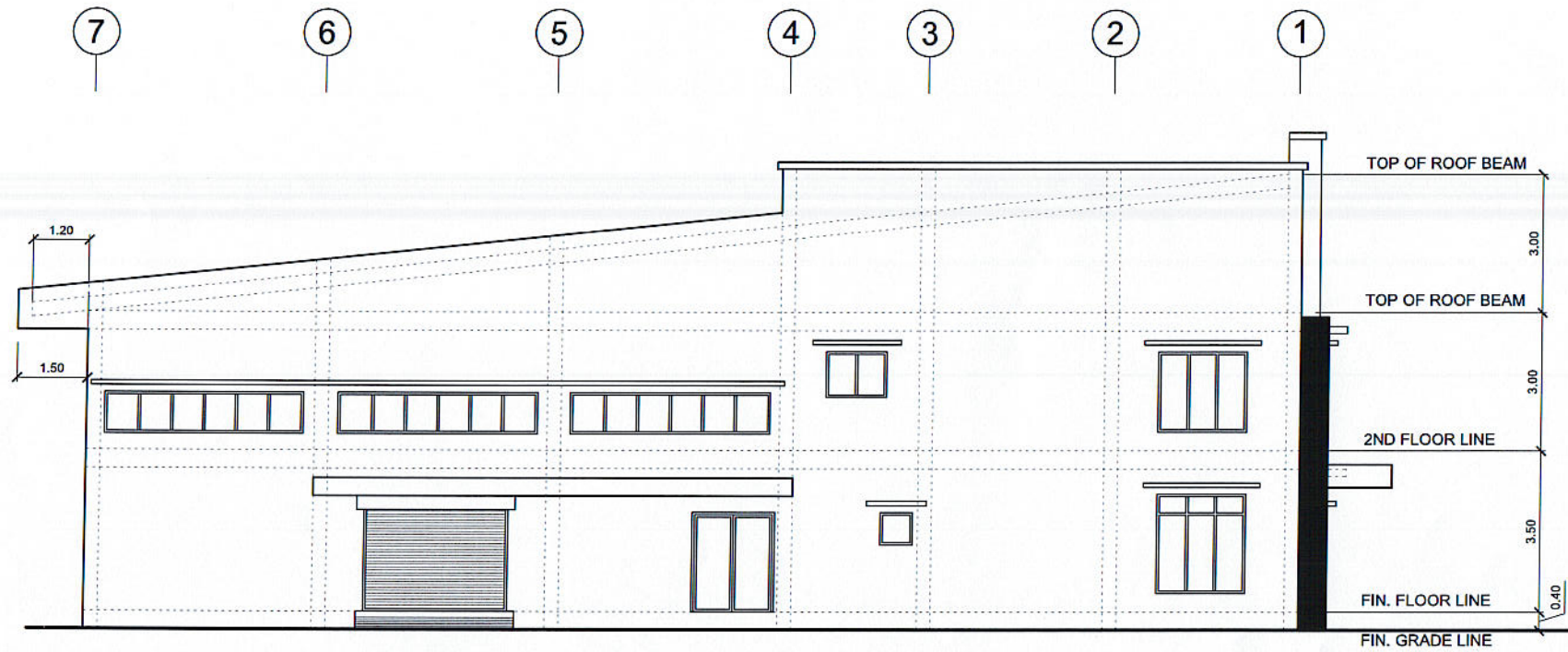



RIGHT SIDE ELEVATION
 SCALE 1 : 250 MTS.


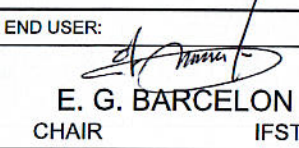
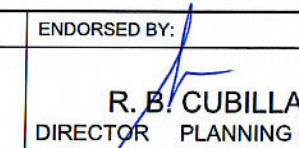
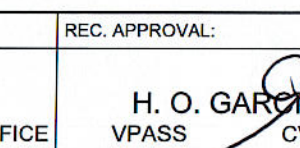
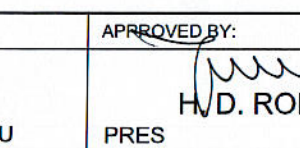
CADD BY:  E. N. RODEROS JR.	END USER:  E. G. BARCELON CHAIR IFST	ENDORSED BY:  R. B. CUBILLA DIRECTOR PLANNING OFFICE	REC. APPROVAL:  H. O. GARCIA VPASS CVSU	APPROVED BY:  H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO: A - 3
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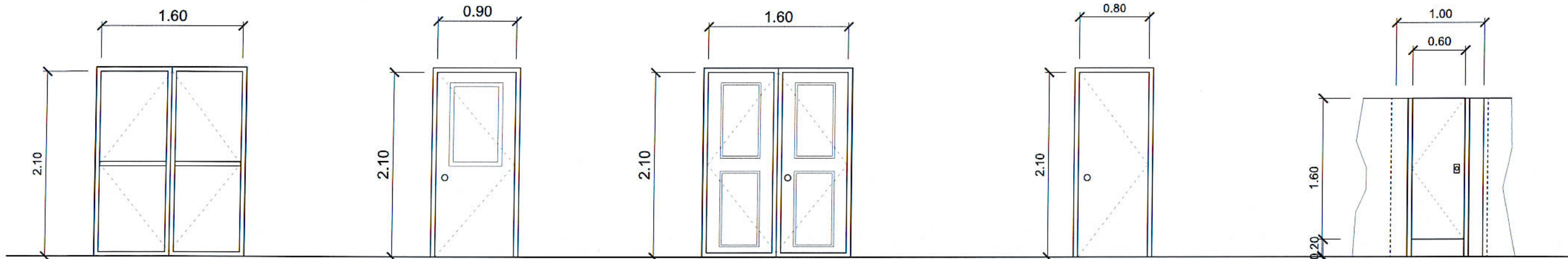



REAR ELEVATION
 SCALE 1 : 250 MTS.




LEFT SIDE ELEVATION
 SCALE 1 : 250 MTS.

CADD BY:  E. N. RODEROS JR.	END USER:  E. G. BARCELON CHAIR IFST	ENDORSED BY:  R. B. CUBILLA DIRECTOR PLANNING OFFICE	REC. APPROVAL:  H. O. GARCIA VPASS CVSU	APPROVED BY:  H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO: A - 4
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- D**
1

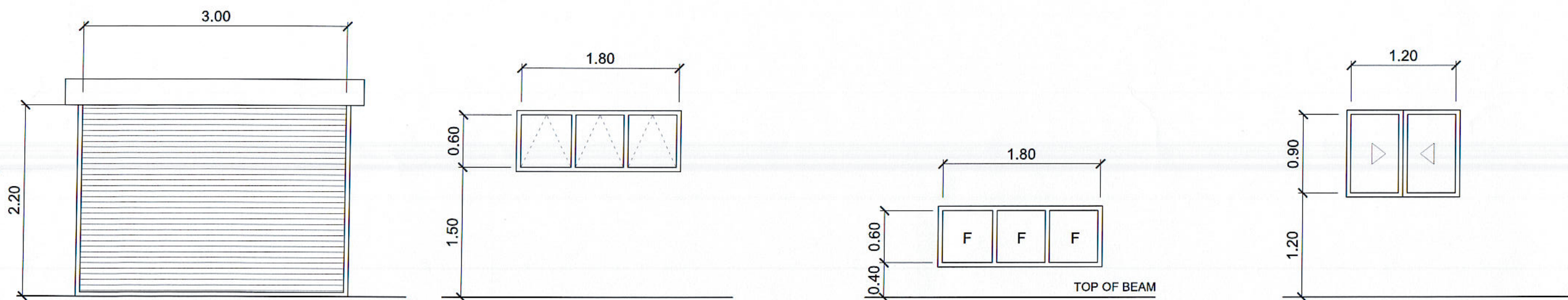
ALUMINUM FRAME DOOR COMPLETE W / ALL ACCESSORIES W / 3/8" THK CLEAR GLASS ON COLORED POWDER COATED FINISH ALUMINUM FRAMING
4 SETS
- D**
2

0.90 X 2.10 PANEL DOOR W / 1/4" THK. CLEAR GLASS VIEW WINDOW, W/ COMPLETE ACCESSORIES
7 SETS
- D**
3

1.60 X 2.10 FLUSH DOOR W/ COMPLETE ACCESSORIES
1 SET
- D**
4

0.80 X 2.10 FLUSH DOOR W/ COMPLETE ACCESSORIES
8 SETS
- D**
5

0.60 X 1.60 PHENOLIC DOOR PANEL WITH COMPLETE ACCESSORIES
6 SETS



- D**
6

GALVANIZED ROLL UP DOOR W/ COMPLETE ACCESSORIES
2 SETS
- W**
1

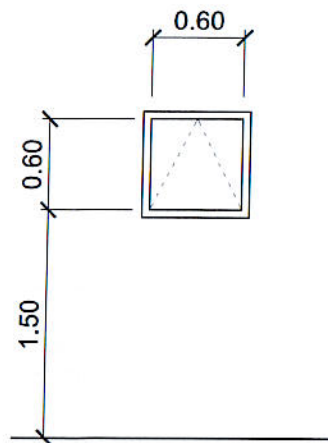
ALUMINUM AWNING WINDOW COMPLETE W / ALL ACCESSORIES W / 1/4" THK CLEAR GLASS
6 SETS
- W**
1a

ALUMINUM FIXED WINDOW COMPLETE W / ALL ACCESSORIES W / 1/4" THK CLEAR GLASS
6 SETS
- W**
2

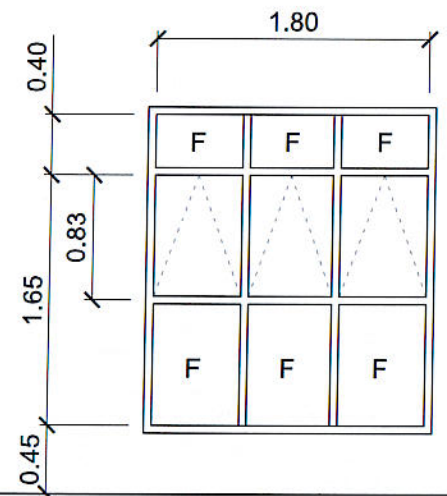
ALUMINUM SLIDING WINDOW COMPLETE W / ALL ACCESSORIES W / 1/4" THK CLEAR GLASS
3 SETS

SCHEDULE OF DOORS & WINDOWS
SCALE 1 : 50 MTS.

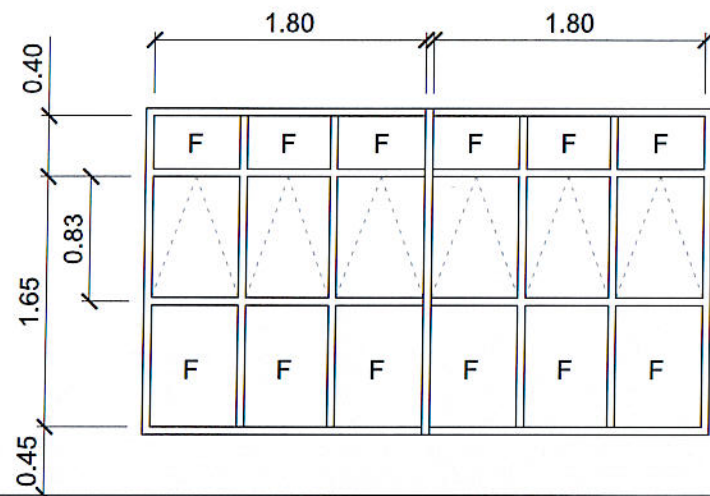
CADD BY: <i>E. N. Roderos Jr.</i> E. N. RODEROS JR.	END USER: <i>E. G. Barcelon</i> E. G. BARCELON CHAIR IFST	ENDORSED BY: <i>R. B. Cubilla</i> R. B. CUBILLA DIRECTOR PLANNING OFFICE	REC. APPROVAL: <i>H. O. Garcia</i> H. O. GARCIA VPASS CVSU	APPROVED BY: <i>H. D. Robles</i> H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO: A - 5
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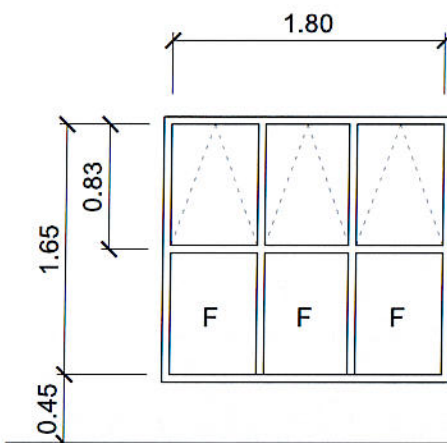
W
3
ALUMINUM AWNING WINDOW
COMPLETE W / ALL ACCESSORIES
W / 1/4" THK CLEAR GLASS
6 SETS



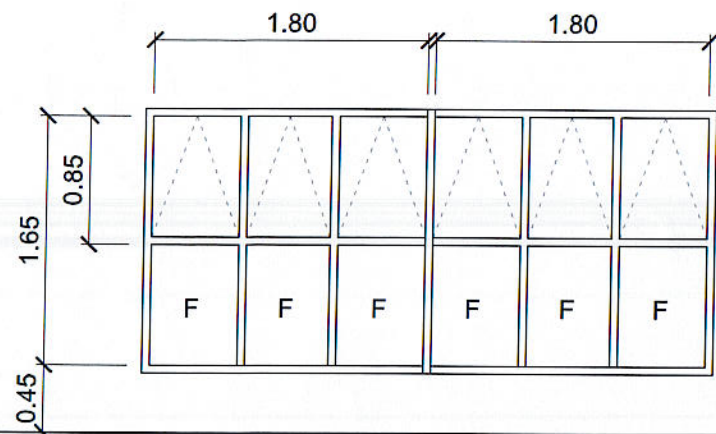
W
4
ALUMINUM AWNING & FIXED WINDOW
COMPLETE W / ALL ACCESSORIES
W / 1/4" THK CLEAR GLASS
6 SETS



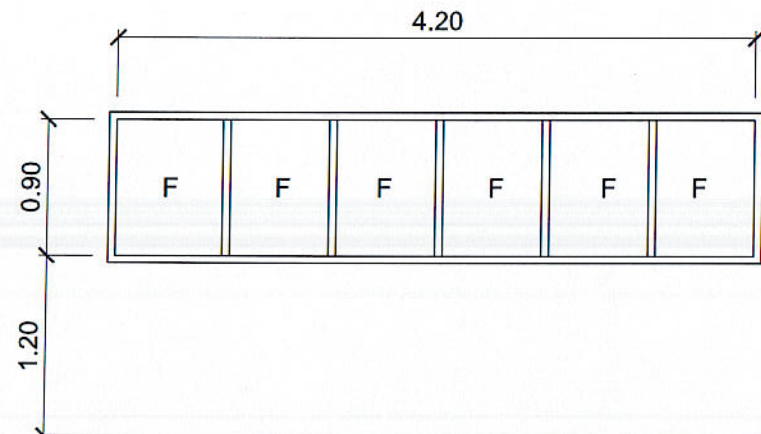
W
5
ALUMINUM AWNING & FIXED WINDOW
COMPLETE W / ALL ACCESSORIES
W / 1/4" THK CLEAR GLASS
2 SETS



W
6
ALUMINUM AWNING & FIXED WINDOW
COMPLETE W / ALL ACCESSORIES
W / 1/4" THK CLEAR GLASS
4 SETS



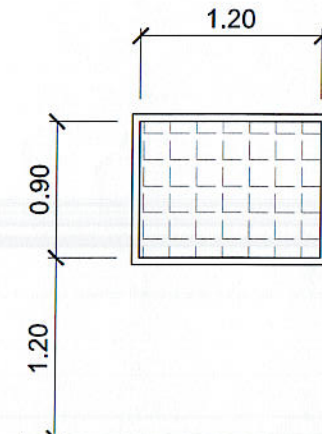
W
7
ALUMINUM AWNING & FIXED WINDOW
COMPLETE W / ALL ACCESSORIES
W / 1/4" THK CLEAR GLASS
4 SETS



W
8
ALUMINUM FIXED WINDOW COMPLETE W /
ALL ACCESSORIES W / 3/8" THK. TEMPERED GLASS
4 SETS



W
9
ALUMINUM FIXED WINDOW COMPLETE W /
ALL ACCESSORIES W / 3/8" THK. TEMPERED GLASS
6 SETS

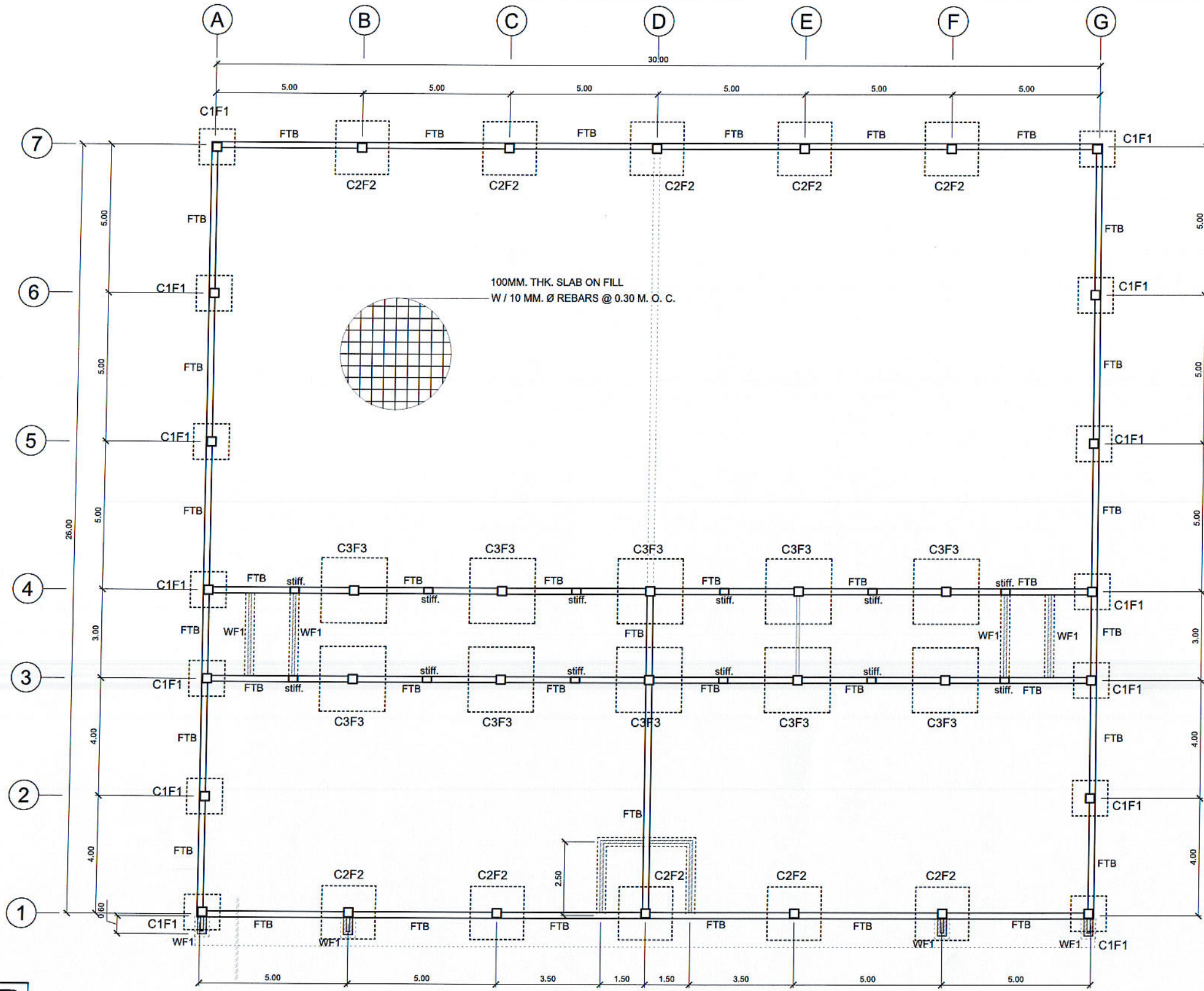


W
10
PRECAST CONCRETE
LOUVER WINDOW
5 SETS

SCHEDULE OF DOORS & WINDOWS

SCALE 1 : 50 MTS.

CADD BY: <i>E. N. Roderos Jr.</i> E. N. RODEROS JR.	END USER: <i>E. G. Barcelon</i> E. G. BARCELON CHAIR IFST	ENDORSED BY: <i>R. B. Cubilla</i> R. B. CUBILLA DIRECTOR PLANNING OFFICE	REC. APPROVAL: <i>H. O. Garcia</i> H. O. GARCIA VPASS CVSU	APPROVED BY: <i>H. D. Robles</i> H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO: A - 6
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FOUNDATION PLAN

SCALE 1 : 150 MTS.

CADD BY:
[Signature]
E. N. RODEROS JR.

STRUCTURAL ENGR:
[Signature]
M. A. DAGASBAS JR.

END USER:
[Signature]
E. G. BARCELON
CHAIR IFST

ENDORSED BY:
[Signature]
R. B. CUBILLA
DIRECTOR PLANNING OFFICE

REC. APPROVAL:
[Signature]
H. O. GARCIA
VPASS CVSU

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

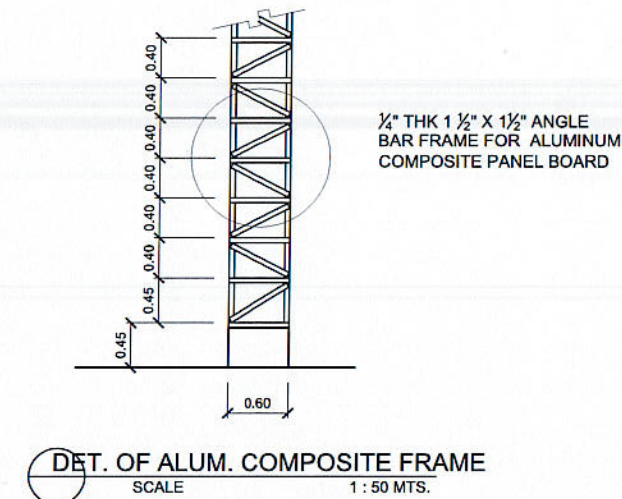
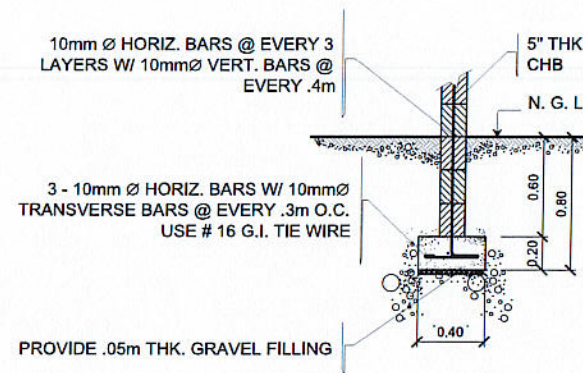
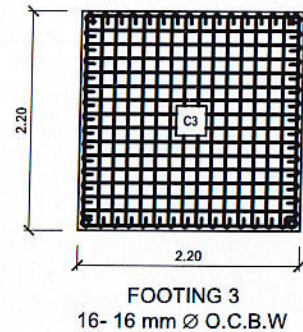
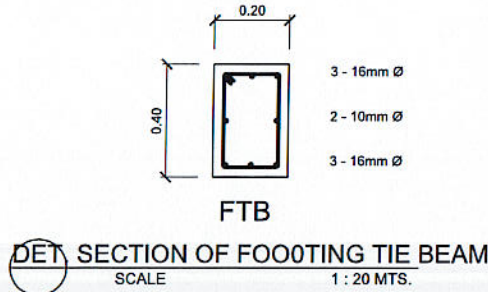
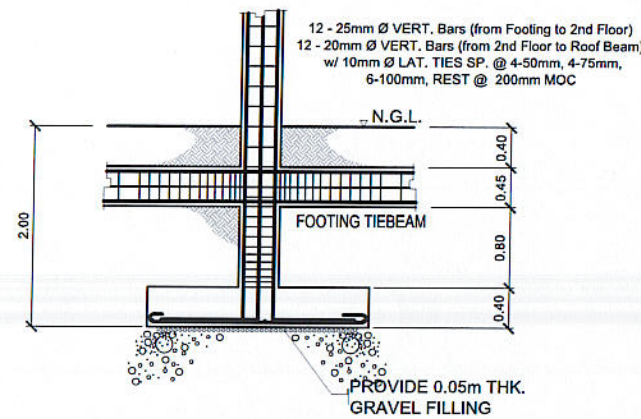
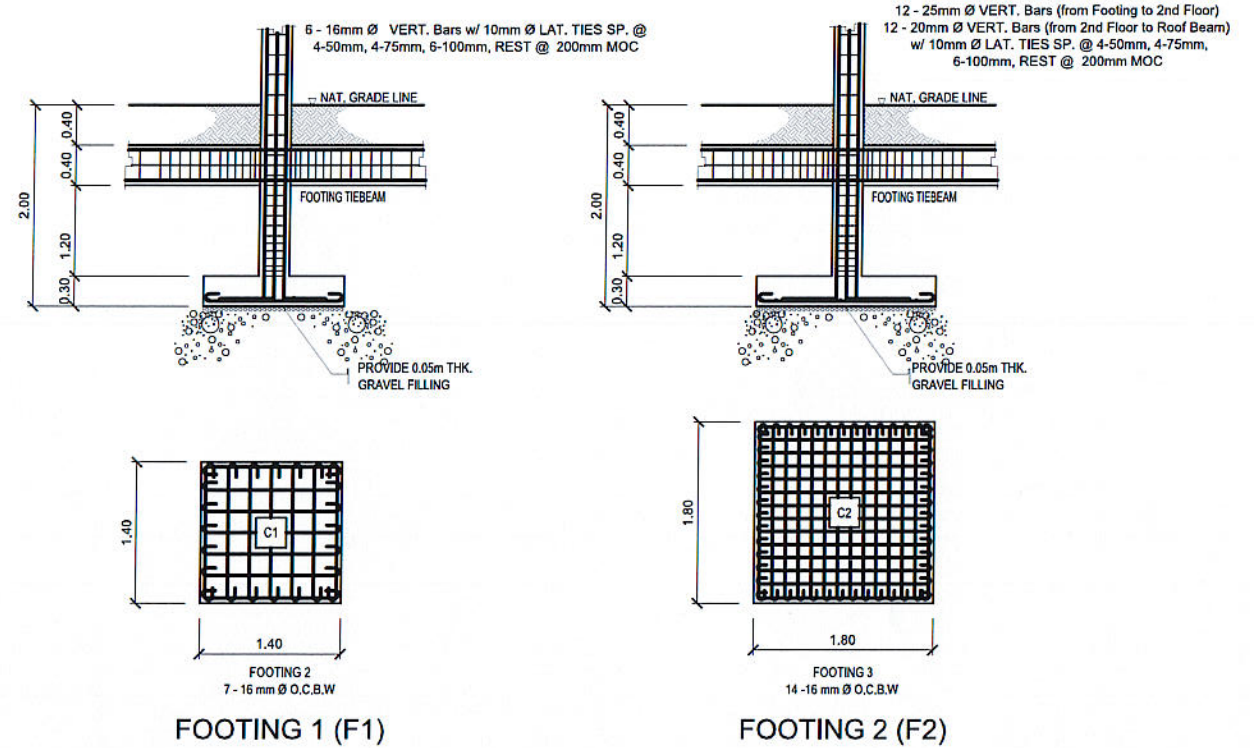
PROJECT TITLE/ LOCATION:
PROPOSED FRUITS & VEGETABLE
PROCESSING CENTER
CVSU, MAIN CAMPUS

IMPLEMENTING AGENCY
CAVITE STATE UNIVERSITY

SHT NO:
S - 1

SCHEDULE OF COLUMNS

COLUMN	DIMENSION	LOCATION	REINFORCEMENT		LATERAL TIES
			VERTICAL BARS	ARRANGEMENT	
C1	300mm x 300mm	FOOTING TO 3RD FLOOR LINE	8 - 16 mm \emptyset		2 SETS OF 10mm \emptyset TIES @ 2-50mm, 4-75mm, 6-100mm, REST @ 200mm O.C.
C2	300mm x 300mm	FOOTING TO 2ND FLOOR LINE	12 - 25 mm \emptyset		3 SETS OF 10mm \emptyset TIES @ 2-50mm, 4-75mm, 6-100mm, REST @ 200mm O.C.
	300mm x 300mm	2ND FLOOR TO ROOF BEAM	12 - 20 mm \emptyset		3 SETS OF 10mm \emptyset TIES @ 2-50mm, 4-75mm, 6-100mm, REST @ 200mm O.C.
C3	300mm x 300mm	FOOTING TO 2ND FLOOR LINE	12 - 25 mm \emptyset		3 SETS OF 10mm \emptyset TIES @ 2-50mm, 4-75mm, 6-100mm, REST @ 200mm O.C.
	300mm x 300mm	2ND FLOOR TO ROOF BEAM	12 - 20 mm \emptyset		3 SETS OF 10mm \emptyset TIES @ 2-50mm, 4-75mm, 6-100mm, REST @ 200mm O.C.



CADD BY:

E. N. RODEROS JR.

STRUCTURAL ENGR:

M. A. DAGANDRAS JR.

END USER:

E. G. BARCELON
CHAIR IFST

ENDORSED BY:

R. B. CUBILLA
DIRECTOR PLANNING OFFICE

REC. APPROVAL:

H. O. GARCIA
VPASS CVSU

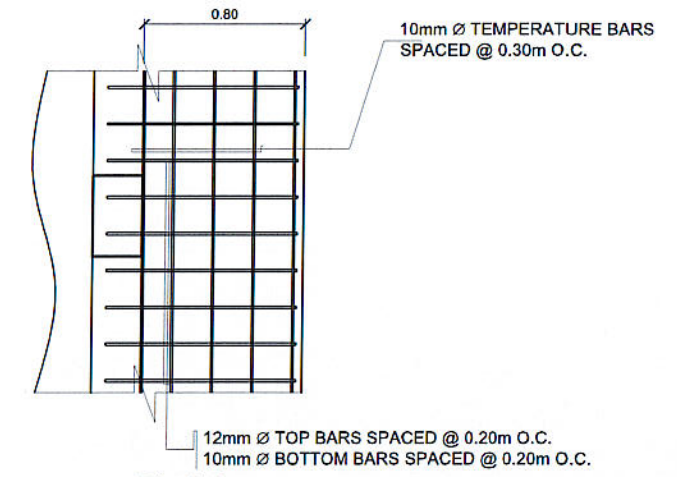
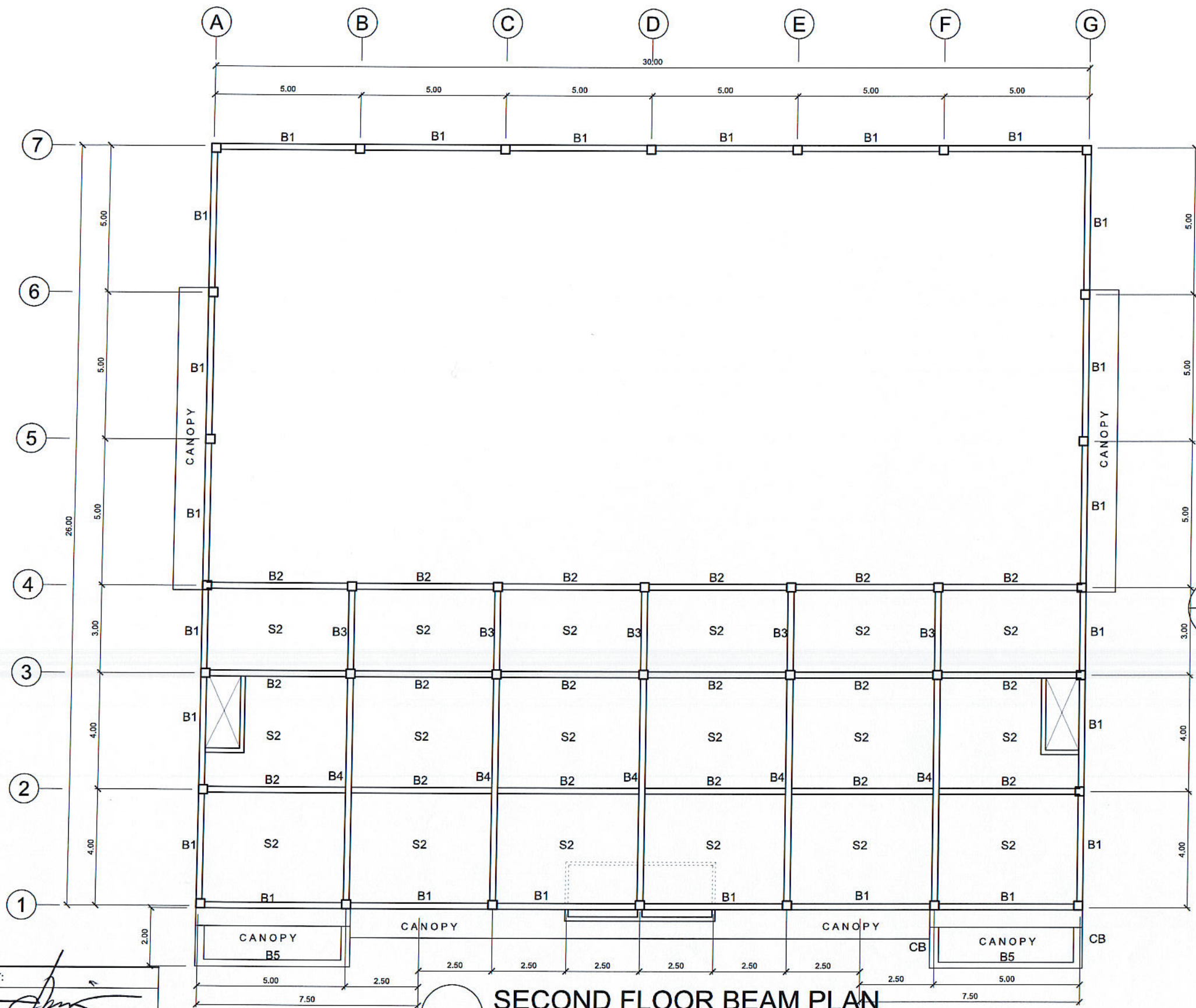
APPROVED BY:

H. D. ROBLES
PRES CVSU

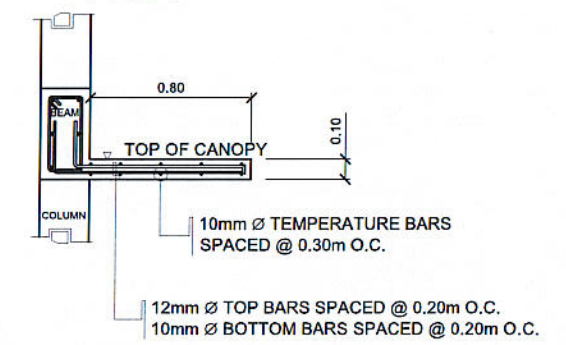
PROJECT TITLE/ LOCATION:
PROPOSED FRUITS & VEGETABLE PROCESSING CENTER
CVSU, MAIN CAMPUS

IMPLEMENTING AGENCY
CAVITE STATE UNIVERSITY

SHT NO:
S - 2



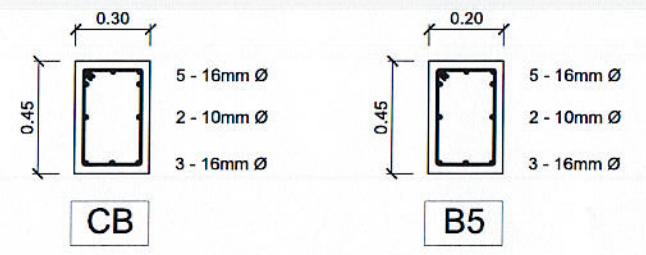
PLAN



SECTION

DETAILS OF CANOPY

SCALE 1 : 25 MTS.



SECOND FLOOR BEAM PLAN
SCALE 1 : 150 MTS.

CADD BY:
E. N. Roderos Jr.
E. N. RODEROS JR.

STRUCTURAL ENGR:
M. A. Dagasdas Jr.
M. A. DAGASDAS JR.

END USER:
E. G. Barcelon
E. G. BARCELON
CHAIR IFST

ENDORSED BY:
R. B. Cubilla
R. B. CUBILLA
DIRECTOR PLANNING OFFICE

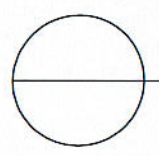
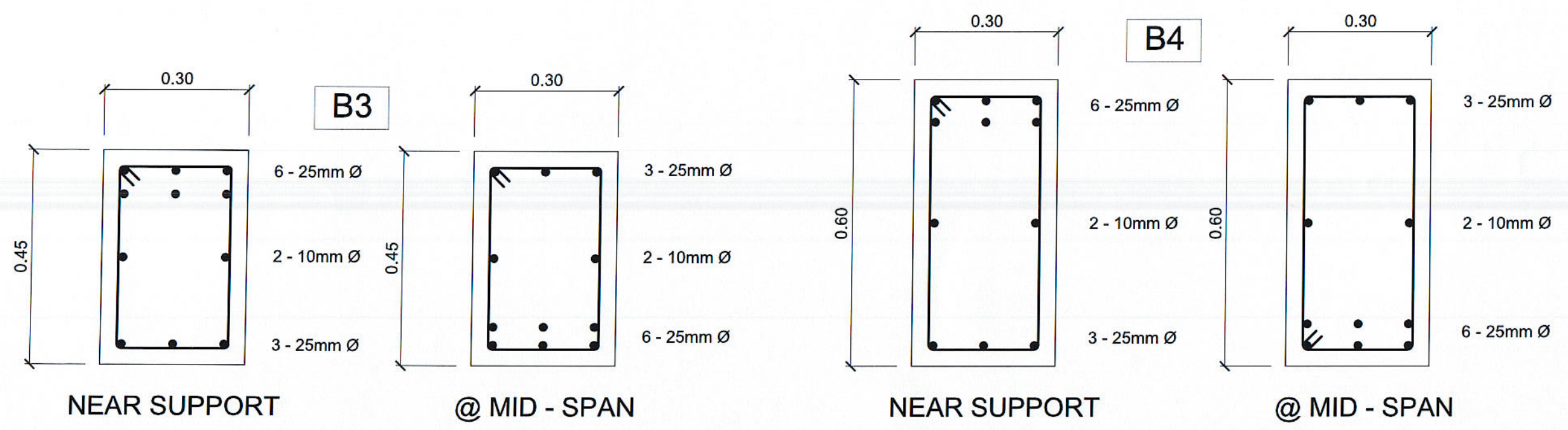
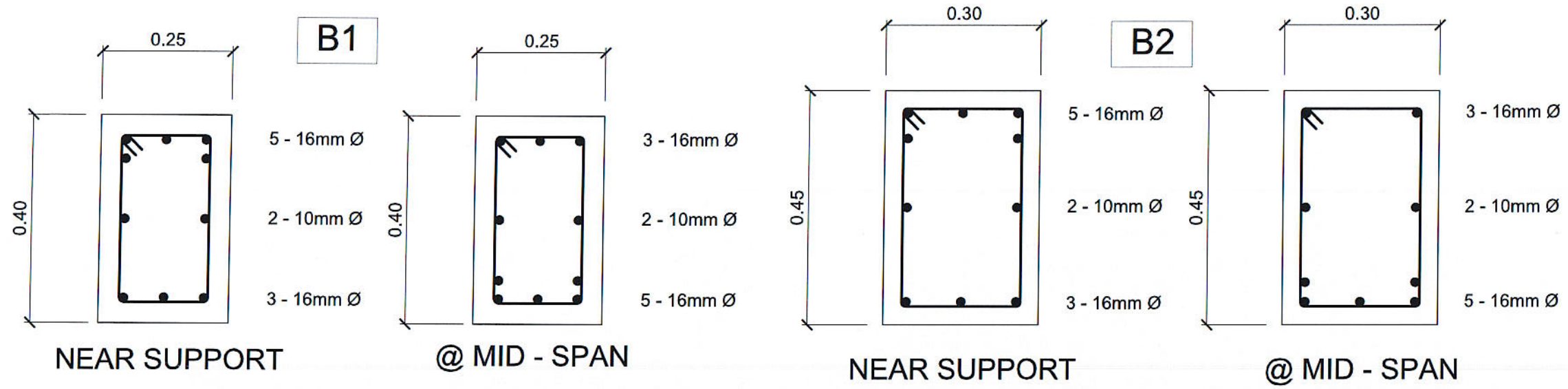
REC. APPROVAL:
H. O. Garcia
H. O. GARCIA
VPASS CVSU

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

PROJECT TITLE/ LOCATION:
**PROPOSED FRUITS & VEGETABLE
PROCESSING CENTER**
CVSU, MAIN CAMPUS

IMPLEMENTING AGENCY
CAVITE STATE UNIVERSITY

SHT NO:
S - 3



SCHEDULE OF BEAMS

SCALE 1 : 10 M

CADD BY:
[Signature]
E. N. RODEROS JR.

STRUCTURAL ENGR :
[Signature]
M. A. DAGASDAS JR.

END USER:
[Signature]
E. G. BARCELON
CHAIR IFST

ENDORSED BY:
[Signature]
R. B. CUBILLA
DIRECTOR PLANNING OFFICE

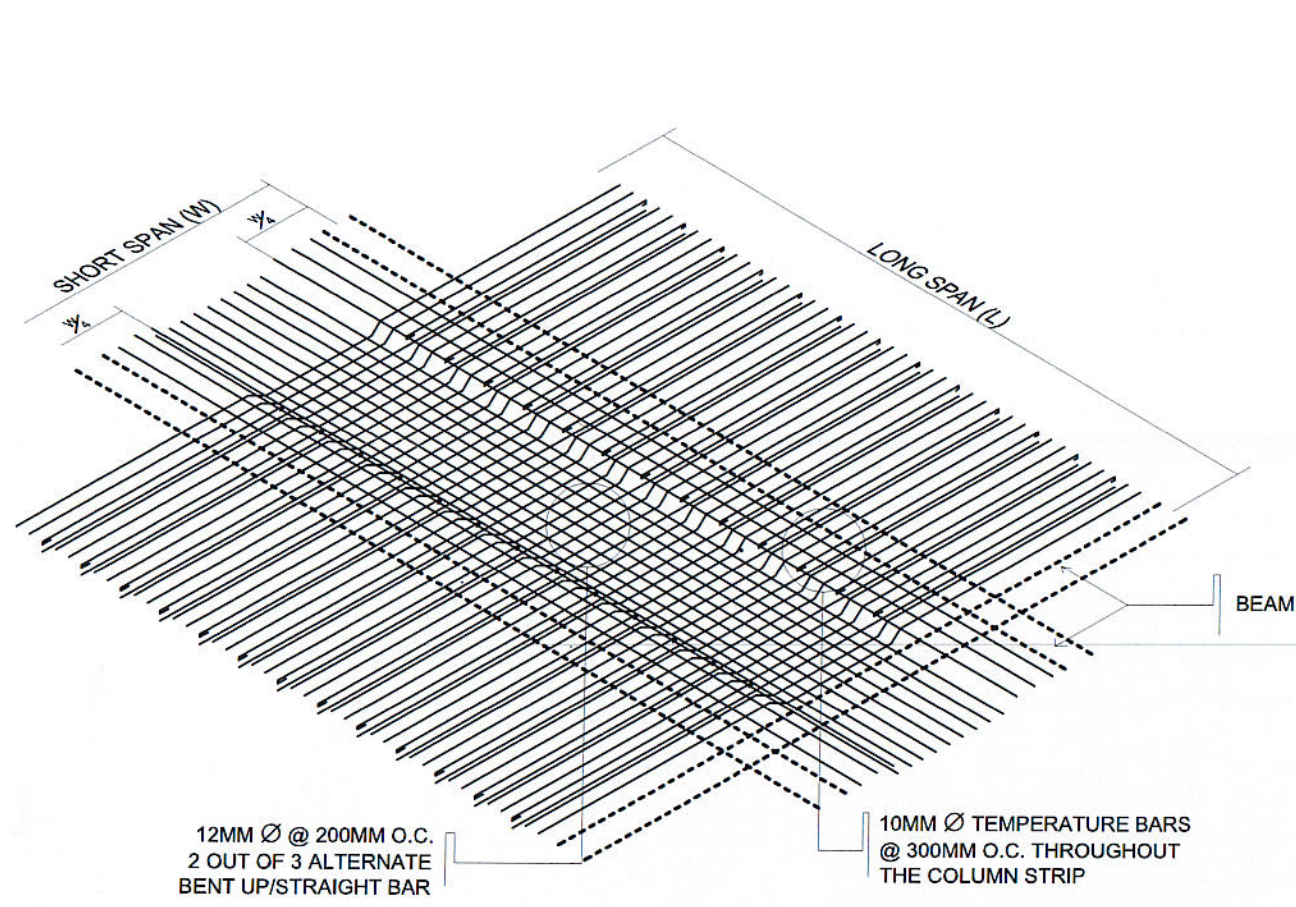
REC. APPROVAL:
[Signature]
H. O. GARCIA
VPASS CVSU

APPROVED BY:
[Signature]
W. D. ROBLES
PRES CVSU

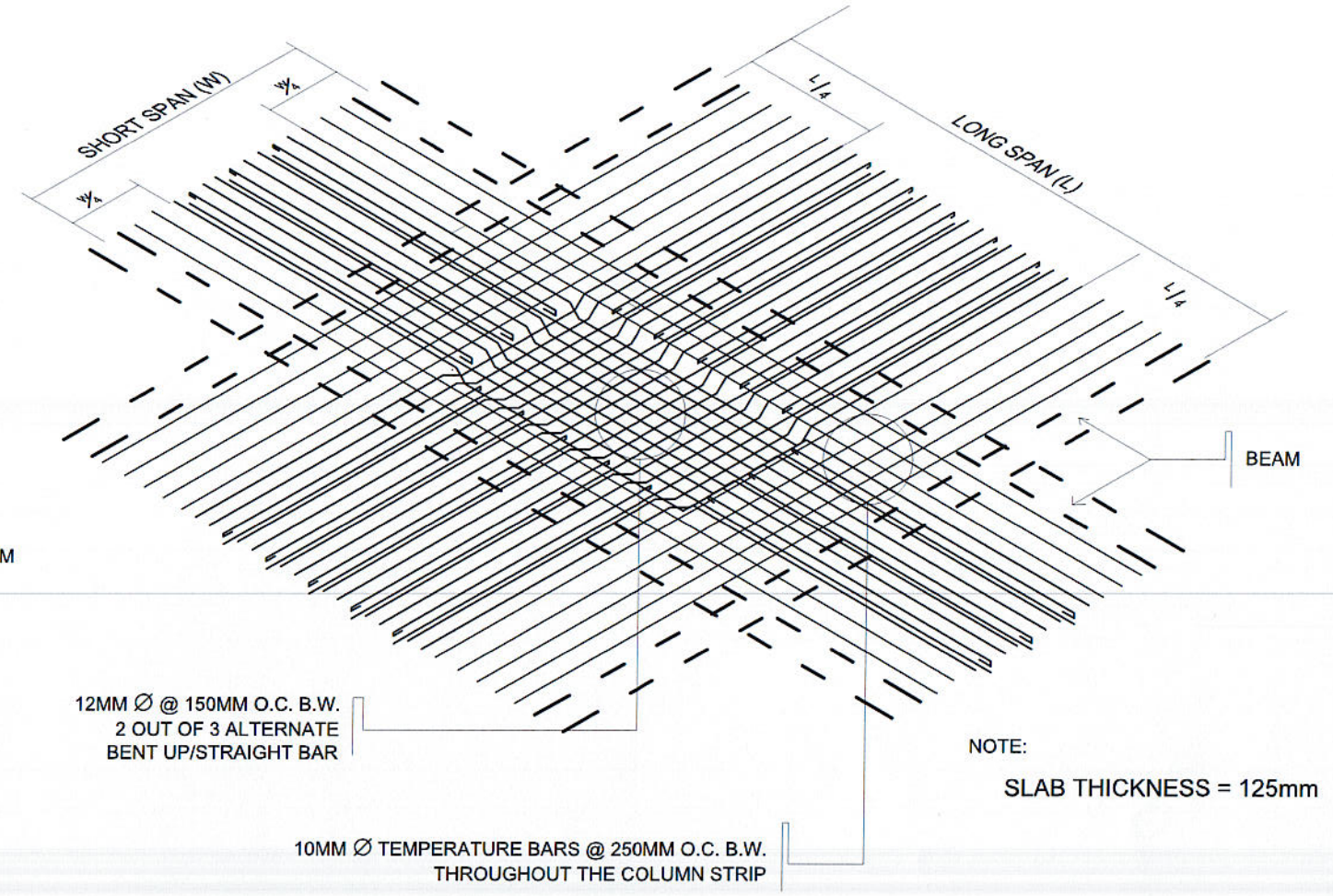
PROJECT TITLE/ LOCATION:
PROPOSED FRUITS & VEGETABLE
PROCESSING CENTER
CVSU, MAIN CAMPUS

IMPLEMENTING AGENCY
CAVITE STATE UNIVERSITY

SHT NO:
S - 4



ONE - WAY SLAB REINFORCEMENT (S1)

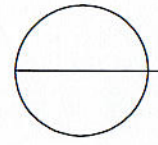


TWO - WAY SLAB REINFORCEMENT (S2)

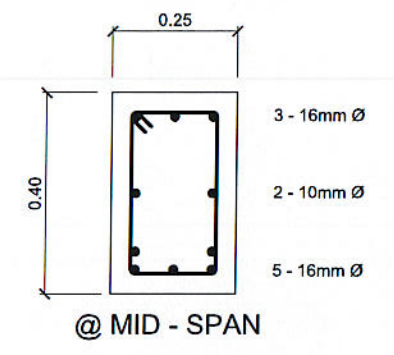
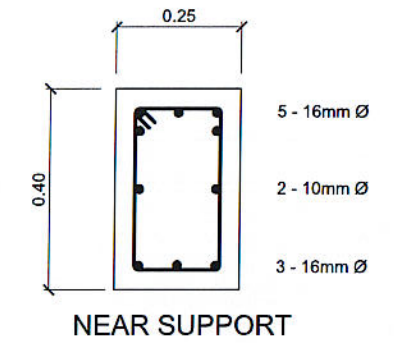
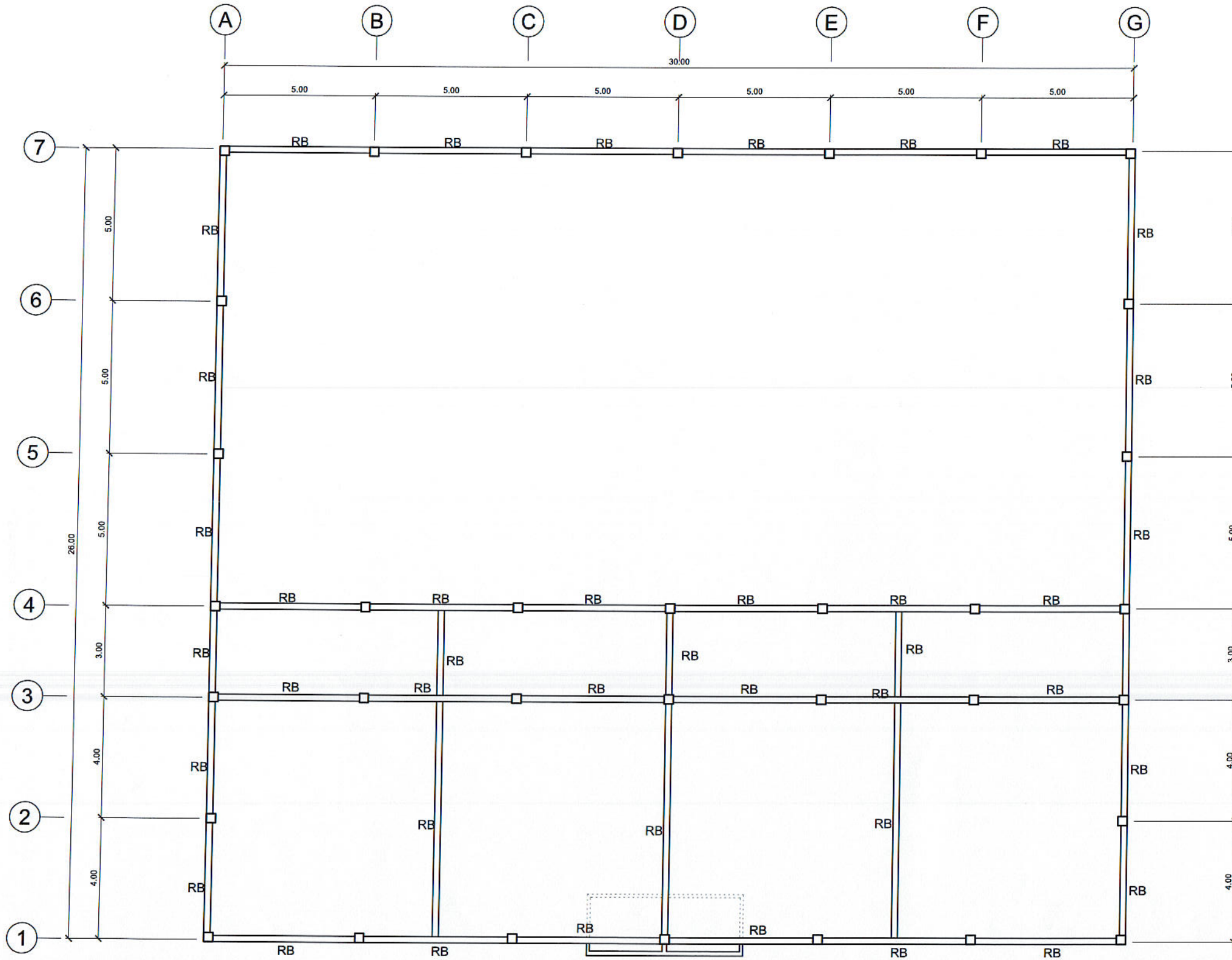
NOTE:
SLAB THICKNESS = 125mm

DETAIL OF SLAB REINFORCEMENT

N. T. S.

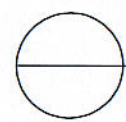


CADD BY: E. N. RODEROS JR.	END USER: E. G. BARCELON CHAIR IFST	ENDORSED BY: R. B. CUBILLA DIRECTOR PLANNING OFFICE	REC. APPROVAL: H. O. GARCIA VPASS CVSU	APPROVED BY: H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO: S - 5
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RB

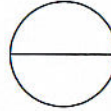
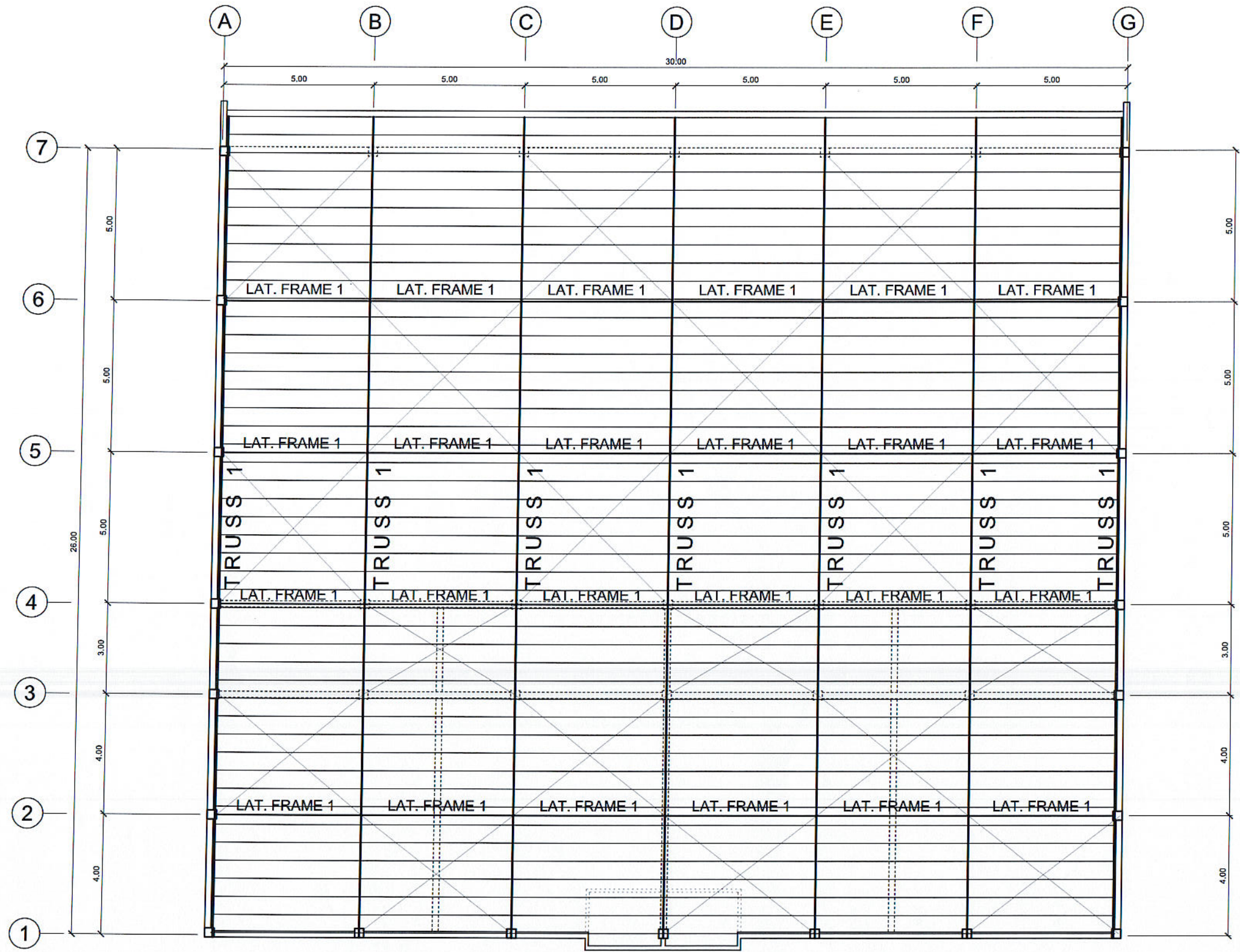
CADD BY:
E. N. RODEROS JR.



ROOF BEAM PLAN


SCALE 1 : 150 MTS.

STRUCTURAL ENGR: M. A. DAGASDAS JR.	END USER: E. G. BARCELON CHAIR IFST	ENDORSED BY: R. B. CUBILLA DIRECTOR PLANNING OFFICE	REC. APPROVAL: H. O. GARCIA VPASS CVSU	APPROVED BY: H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO: S - 6
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ROOF FRAMING PLAN

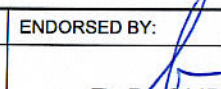
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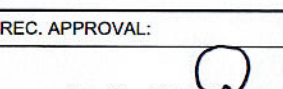
CADD BY:

 E. N. RODEROS JR.

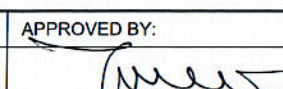
STRUCTURAL ENGR:

 M. A. DAGASDAS JR.

END USER:

 E. G. BARCELON
 CHAIR IFST

ENDORSED BY:

 R. B. CUBILLA
 DIRECTOR PLANNING OFFICE

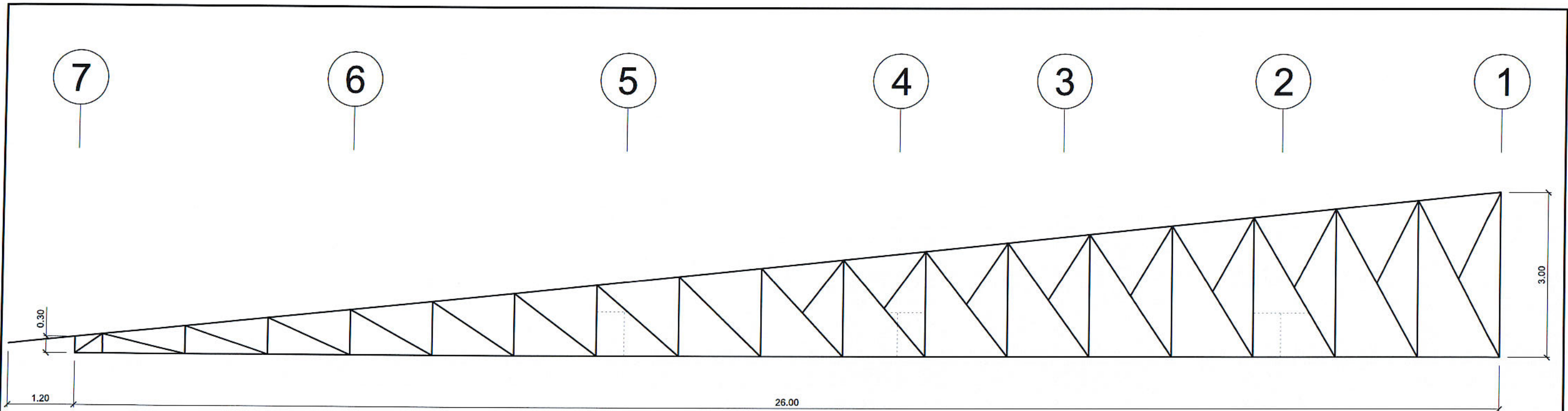
REC. APPROVAL:

 H. O. GARCIA
 VPASS CVSU

APPROVED BY:

 H. D. ROBLES
 PRES CVSU

PROJECT TITLE/ LOCATION:
 PROPOSED FRUITS & VEGETABLE
 PROCESSING CENTER
 CVSU, MAIN CAMPUS

IMPLEMENTING AGENCY
 CAVITE STATE UNIVERSITY

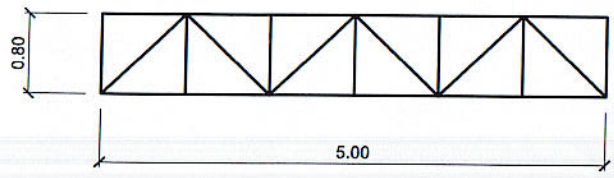
SHT NO:
 S - 7



TRUSS 1

NOTE : FOR TRUSS 1

- TOP CHORD - 2 - 3" X 3" X 1/4" THK. ANGULAR BAR
- BOTTOM CHORD - 2 - 3" X 3" X 1/4" THK. ANGULAR BAR
- KING POST - 2 - 3" X 3" X 1/4" THK. ANGULAR BAR
- MEMBERS - 2 - 2" X 2" X 1/4" THK. ANGULAR BAR
- CROSS BRACING - 16mm Ø ROUND BAR WITH TURN BUCKLES
- GUSSET PLATE - 10mm THICK METAL PLATE
- PURLINS - 50mm x 150mm x 1.5mm CEE PURLINS
- CLEATS - 2 - 62mm x 62mm x 6mm ANGULAR BAR
- ROOFING - 0.05 MM. THK. LONG TILE SPAN COLORED METAL ROOF

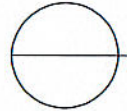


LAT. FRAME 1

NOTE : FOR LATERAL FRAME

- TOP CHORD - 2 - 1 1/2" X 1 1/2" X 1/4" THK. ANGULAR BAR
- BOTTOM CHORD - 2 - 1 1/2" X 1 1/2" X 1/4" THK. ANGULAR BAR
- MEMBERS - 2 - 1 1/2" X 1 1/2" X 1/4" THK. ANGULAR BAR
- GUSSET PLATE - 8 mm THICK METAL PLATE

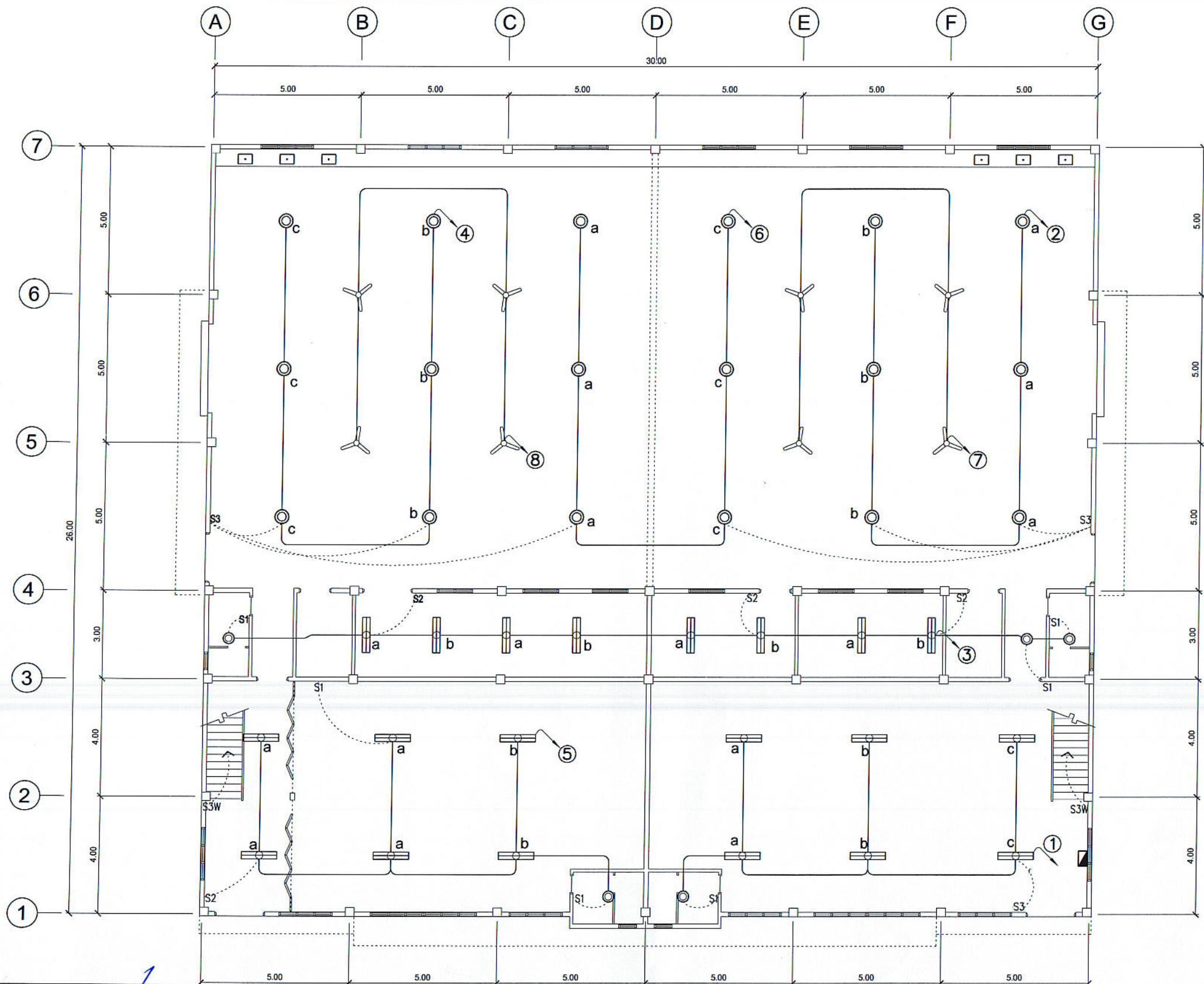
E. N. Roderos Jr.
E. N. RODEROS JR.



ROOF FRAMING PLAN

SCALE 1 : 150 MTS.

STRUCTURAL ENGR : <i>M. A. Dagaldas Jr.</i> M. A. DAGALDAS JR.	END USER: <i>E. G. Barcelon</i> E. G. BARCELON CHAIR IFST	ENDORSED BY: <i>R. B. Cubilla</i> R. B. CUBILLA DIRECTOR PLANNING OFFICE	REC. APPROVAL: <i>H. O. Garcia</i> H. O. GARCIA VPASS CVSU	APPROVED BY: <i>H. D. Robles</i> H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO: S - 8
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- LEGEND**
- BAYLIGHT 150W HBL LED
 - FL LED LIGHT - 2
 - 50 W PINLIGHT
 - CEILING FAN
 - EMERGENCY LIGHT
 - EXHAUST FAN
 - TWO GANG CONVENIENCE OUTLET
 - ROOM AIR CONDITIONER
 - SWITCH SINGLE GANG, 15A, 300V, SINGLE POLE,
 - SWITCH TWO GANG, 15A, 300V, SINGLE POLE,
 - SWITCH THREE GANG, 15A, 300V, SINGLE POLE,
 - SWITCH THREE WAY, 15A, 300V, SINGLE POLE,
 - PANEL BOARD
 - SERVICE ENTRANCE
 - KILOWATT HOUR METER

GROUND FLOOR LIGHTING LAYOUT
SCALE 1 : 150 MTS.

DESIGNED BY: *E. R. Rocillo*
E. R. ROCILLO
ELECTL. ENGR.

CADD BY: *E. N. Roderos Jr.*
E. N. RODEROS JR.

REVIEWED BY: *Ronald P. Peña*
RONALD P. PEÑA
PROFESSIONAL ELECTL. ENGR.

END USER: *A. Magsino*
A. MAGSINO
DEAN CAFENR

ENDORSED BY: *R. B. Cubilla*
R. B. CUBILLA
DIRECTOR PLANNING OFFICE

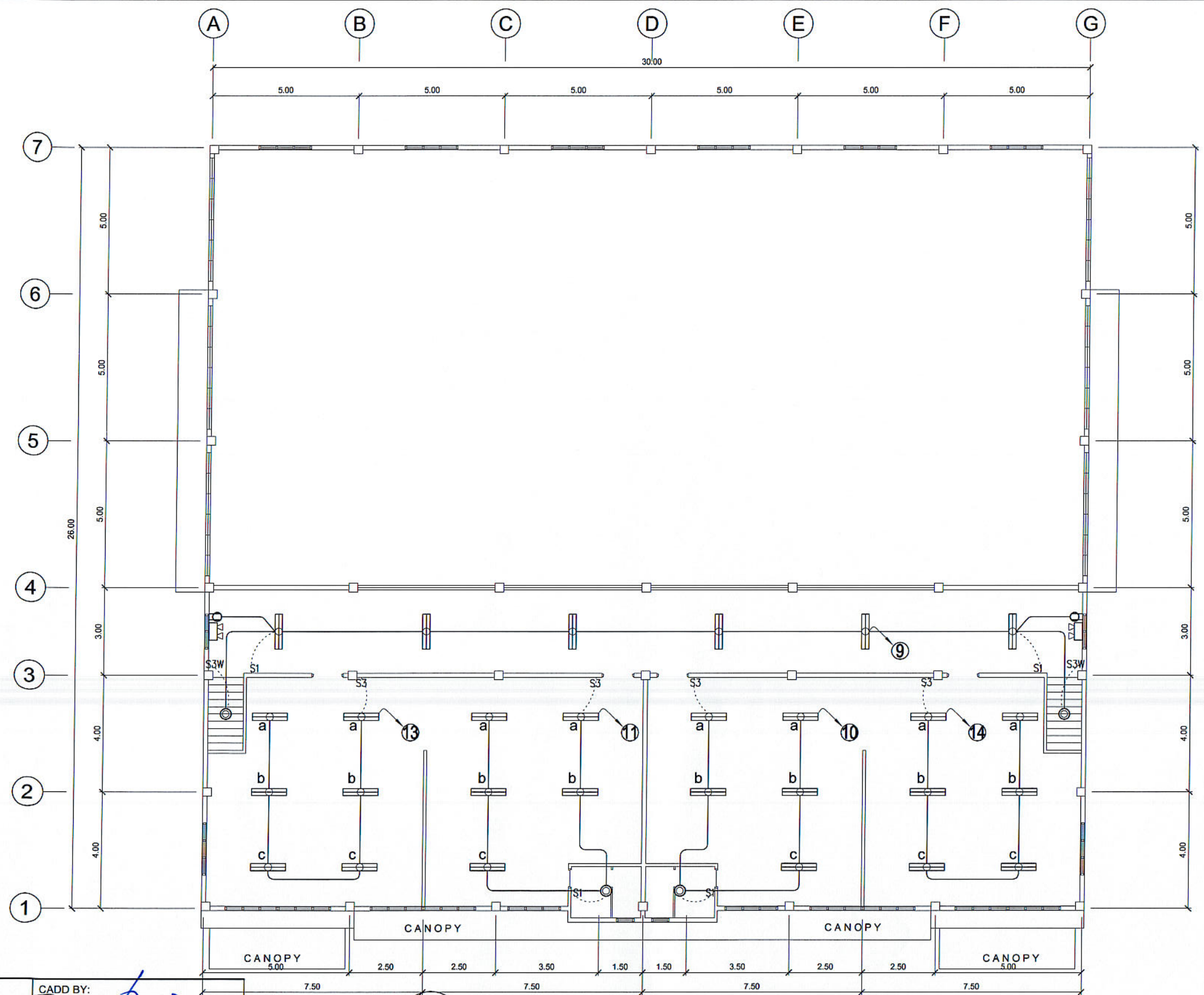
REC. APPROVAL: *C. A. Polinga*
C. A. POLINGA
VPASS CVSU

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

PROJECT TITLE/ LOCATION:
**PROPOSED FRUITS & VEGETABLE
PROCESSING CENTER**
CVSU, MAIN CAMPUS

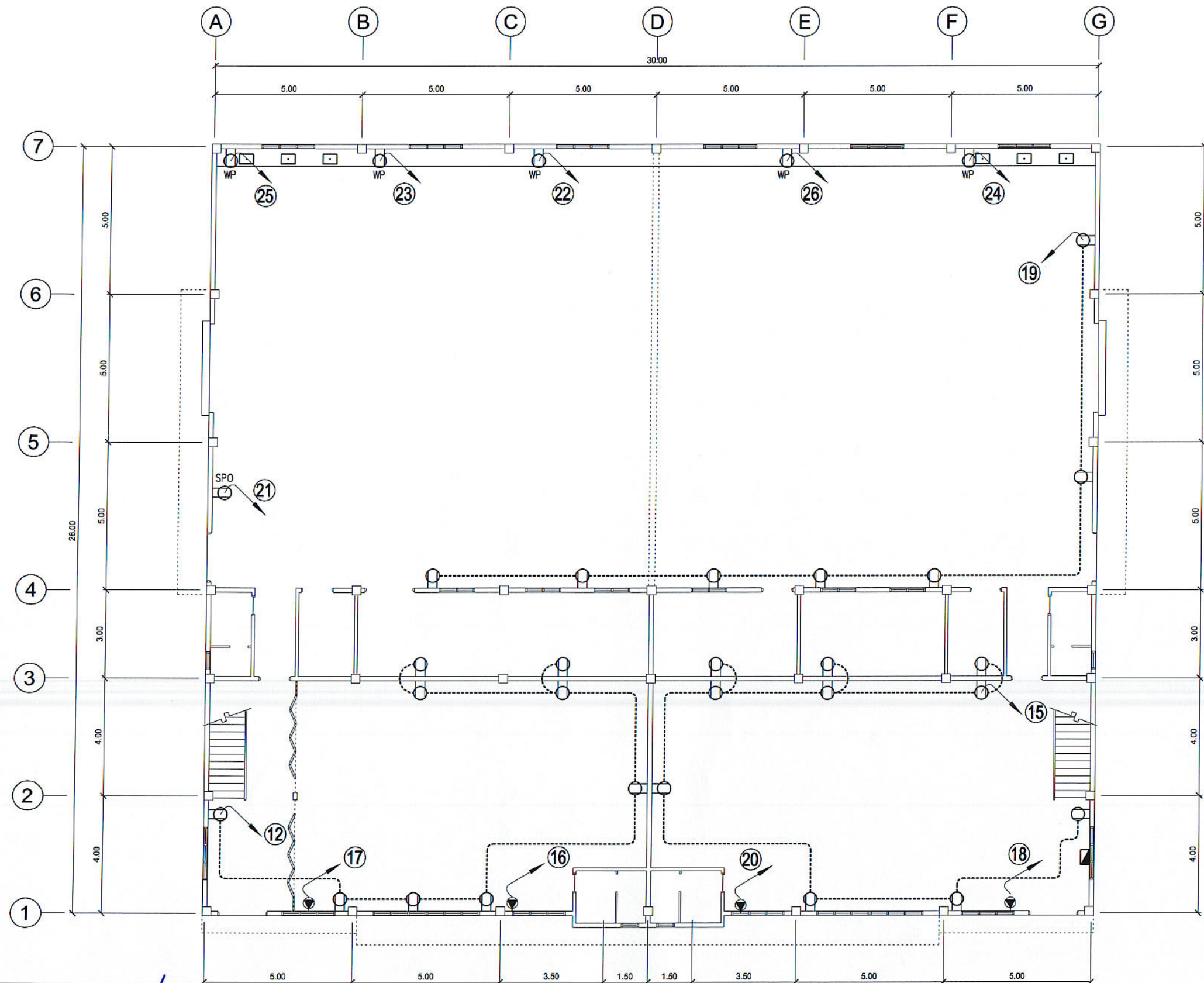
IMPLEMENTING AGENCY
CAVITE STATE UNIVERSITY

SHT NO:
E - 1



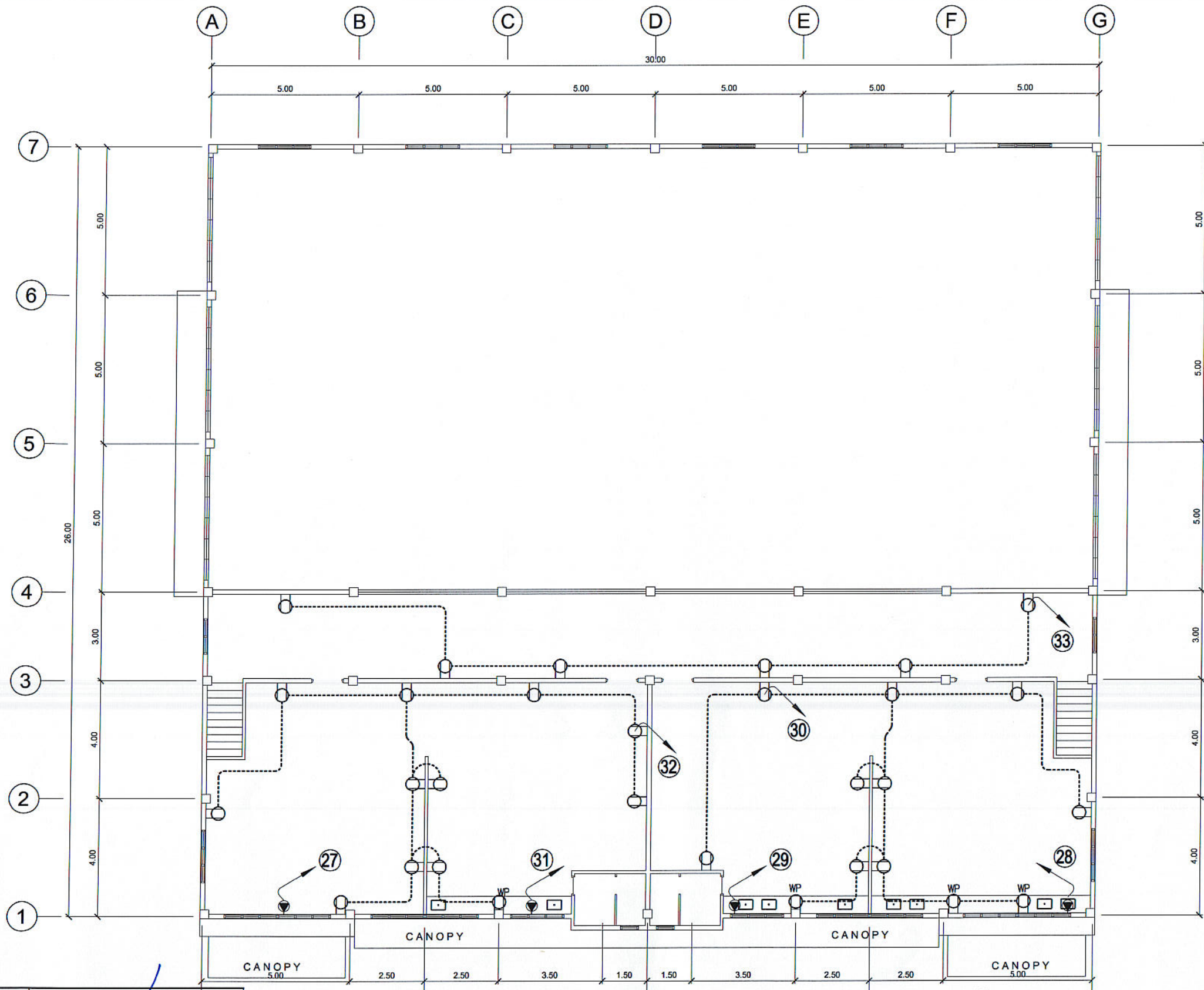
SECOND FLOOR LIGHTING LAYOUT
SCALE 1 : 150 MTS.

DESIGNED BY: <i>E. R. Rocillo</i> E. R. ROCILLO ELECTL. ENGR.:	CADD BY: <i>E. N. Roderos Jr.</i> E. N. RODEROS JR.						
REVIEWED BY: <i>Ronald P. Peña</i> RONALD P. PEÑA PROFESSIONAL ELECTL. ENGR.:	END USER: <i>A. Magasino</i> A. MAGSINO DEAN CAFENR						ENDORSED BY: <i>R. B. Cubilla</i> R. B. CUBILLA DIRECTOR PLANNING OFFICE



GROUND FLOOR POWER LAYOUT
SCALE 1 : 150 MTS.

DESIGNED BY: <i>E. R. Rocillo</i> E. R. ROCILLO ELECTL. ENGR.:	CADD BY: <i>E. N. Roderos Jr.</i> E. N. RODEROS JR.	GROUND FLOOR POWER LAYOUT SCALE 1 : 150 MTS.					
REVIEWED BY: <i>Ronald P. Peña</i> RONALD P. PEÑA PROFESSIONAL ELECTL. ENGR.:	END USER: <i>A. Mag sino</i> A. MAGSINO DEAN CAFENR						ENDORSED BY: <i>R. B. Oubilla</i> R. B. OUBILLA DIRECTOR PLANNING OFFICE



SECOND FLOOR POWER LAYOUT
SCALE 1 : 150 MTS.

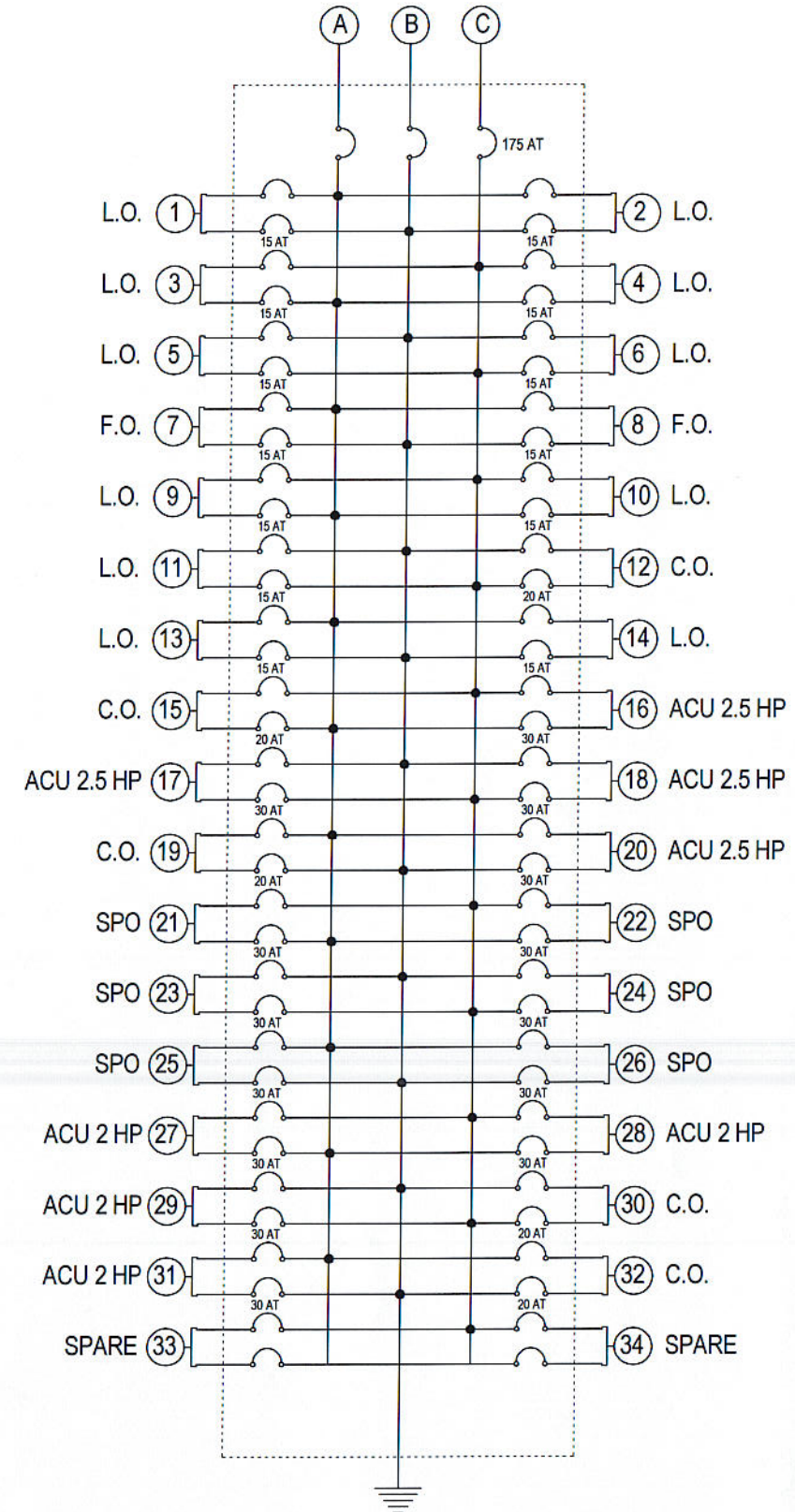
DESIGNED BY: <i>E. R. Rocillo</i> E. R. ROCILLO ELECTL. ENGR.:	CADD BY: <i>E. N. Roderos Jr.</i> E. N. RODEROS JR.						
REVIEWED BY: <i>Ronald P. Peña</i> RONALD P. PEÑA PROFESSIONAL ELECTL. ENGR.:	END USER: <i>A. Magsino</i> A. MAGSINO DEAN CAFENR	ENDORSED BY: <i>R. B. Cubilla</i> R. B. CUBILLA DIRECTOR PLANNING OFFICE	REC. APPROVAL: <i>G. A. Polinga</i> G. A. POLINGA VFASS CVSU	APPROVED BY: <i>H. D. Robles</i> H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO: E - 4

PANEL : LPP 1
 PHASE: 3
 VOLTS: 230

CABLE: 3 - 50 SQ. MM THHN + G 38 SQ MM THHN
 CONDUIT: RSC, 40 MM DIA.

MAIN: 175 AT, 225AF, 3P, 230V, 20 KAIC,CB
 ENCLOSURE : NEMA 1
 MOUNTING: SURFACE

CKT NO.	LOAD DESCRIPTION	WATTS	VOLT	LOAD IN AMPERES			CIRCUIT PROTECTION CIRCUIT BREAKER RATING	Size of Conductor		Size Of Conduit in MM ø	Color Code
				AB	BC	CA		SQ. MM THHN	SQ. MM THHN(G)		
1	Lighting Outlets	700	230	3.04			15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1BLK,1R	
2	Lighting Outlets	600	230	2.61			15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1BLK,1R	
3	Lighting Outlets	1000	230			4.35	15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1BLU,1BLK	
4	Lighting Outlets	600	230			2.61	15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1BLU,1BLK	
5	Lighting Outlets	700	230		3.04		15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1R,1BLU	
6	Lighting Outlets	600	230		2.61		15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1R,1BLU	
7	Ceiling Fan Outlets	1000	230	4.35			15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1BLK,1R	
8	Ceiling Fan Outlets	1000	230	4.35			15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1BLK,1R	
9	Lighting Outlets	800	230			3.48	15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1BLU,1BLK	
10	Lighting Outlets	700	230			3.04	15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1BLU,1BLK	
11	Lighting Outlets	700	230		3.04		15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1R,1BLU	
12	Conv. Outlets	1440	230		6.26		20AT, 2P,10 KAIC	2 - 3.5 + 1G 3.5	RSC, 15	1R,1BLU	
13	Lighting Outlets	600	230	2.61			15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1BLK,1R	
14	Lighting Outlets	600	230	2.61			15AT, 2P,10 KAIC	2 - 3.5	RSC, 15	1BLK,1R	
15	Conv. Outlets	1800	230			7.83	20AT, 2P,10 KAIC	2 - 3.5 + 1G 3.5	RSC, 15	1BLU,1BLK	
16	ACU 2.5HP	3370	230			14.65	30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1BLU,1BLK	
17	ACU 2.5HP	3370	230			14.65	30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1R,1BLU	
18	ACU 2.5HP	3370	230			14.65	30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1R,1BLU	
19	Conv. Outlets	1080	230	4.70			20AT, 2P,10 KAIC	2 - 3.5 + 1G 3.5	RSC, 15	1BLK,1R	
20	ACU 2.5HP	3370	230	14.65			30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1BLK,1R	
21	Special Purpose Outlet	3000	230			13.04	30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1BLU,1BLK	
22	Special Purpose Outlet	3000	230			13.04	30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1BLU,1BLK	
23	Special Purpose Outlet	3000	230			13.04	30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1R,1BLU	
24	Special Purpose Outlet	3000	230			13.04	30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1R,1BLU	
25	Special Purpose Outlet	3000	230	13.04			30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1BLK,1R	
26	Special Purpose Outlet	3000	230	13.04			30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1BLK,1R	
27	ACU 2HP	2830	230			12.30	30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1BLU,1BLK	
28	ACU 2HP	2830	230			12.30	30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1BLU,1BLK	
29	ACU 2HP	2830	230		12.30		30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1R,1BLU	
30	Conv. Outlets	1980	230		8.61		20AT, 2P,10 KAIC	2 - 3.5 + 1G 3.5	RSC, 15	1R,1BLU	
31	ACU 2HP	2830	230	12.30			30AT, 2P,10 KAIC	2 - 5.5 + 1G 3.5	RSC, 20	1BLK,1R	
32	Conv. Outlets	2160	230	9.39			20AT, 2P,10 KAIC	2 - 3.5 + 1G 3.5	RSC, 15	1BLK,1R	
33	SPARE										
34	SPARE										
TOTAL		60860	230	86.69	91.25	86.64	175AT, 3P,20 KAIC	3 - 50.0 + 1G 38.0	RSC, 40	1R, 1BK, G	



MAIN FEEDER and CURRENT PROTECTION COMPUTATION:

NOTE: G - Means Ground Wire

1R- Color RED
 1BK- Color BLACK
 1G- Color GREEN

$I_{FL} = \frac{[1.732 \times 91.25 + 25\% \times 1m]}{DF} = 129.37 \text{ Amperes}$

use: 3 - 50 SQMM THHN + 1 - 22 SQMM THW IN 40 MM DIA. RSC

$I_{cb} = \frac{[1.732 \times 91.25 + 25\% \times 1m]}{DF} = 155.74 \text{ Amperes}$

use: 175AT, 225AF, 3P, 230V, 30 KAIC, CB

This Electrical Design is good only for the above connected loads.
 Any additional electrical load connection in the future is not allowed,
 Except redesign of electrical load system will be done.

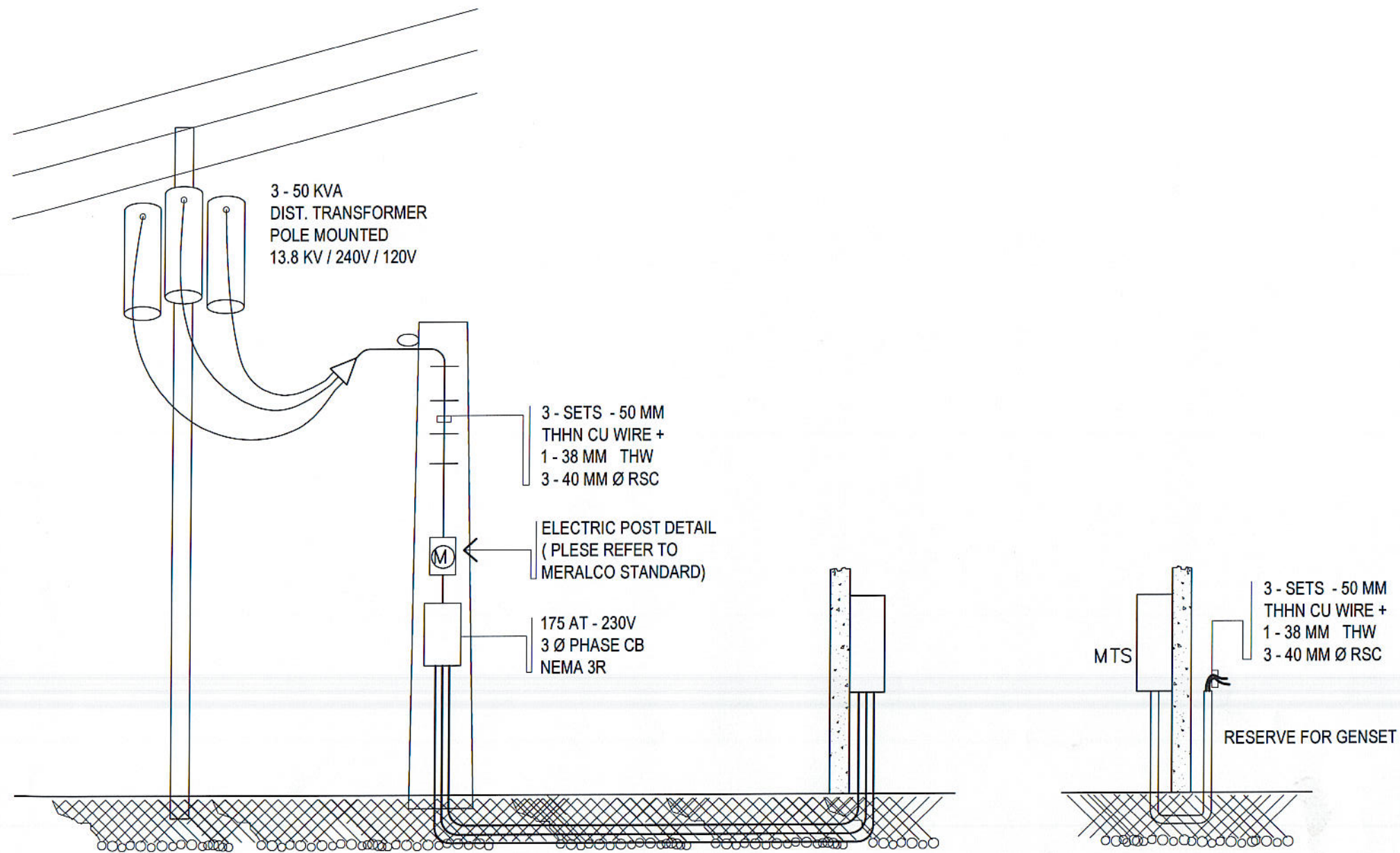
SCHEDULE OF LOADS

DESIGNED BY:

 E. R. ROCILLO
 ELECTL. ENGR.:

PROFESSIONAL ELECTL. ENGR.:	END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY	SHT NO.:
 RONALD P. PEÑA PROFESSIONAL ELECTL. ENGR.:	 A. MAGSINO DEAN CAFENR	 R. B. CUBILLA DIRECTOR PLANNING OFFICE	 C. A. POLINGA VRASS CVSU	 H. D. ROBLES PRES CVSU	PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	CAVITE STATE UNIVERSITY	E - 5

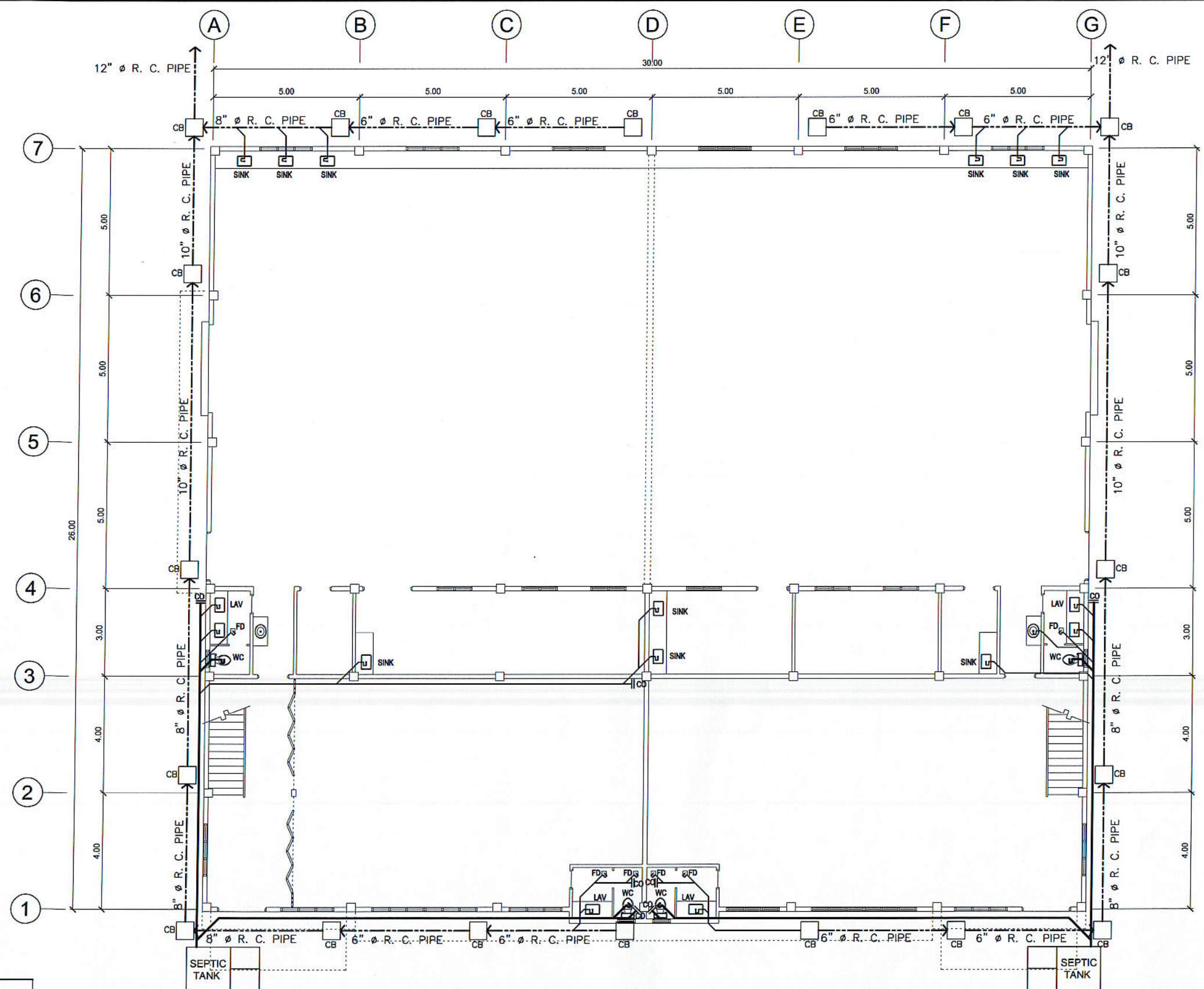
PANEL BOARD DETAIL



ONE LINE DIAGRAM
NOT TO SCALE

DET. OF MTS & STANDBY GENERATOR
FEEDER WIRE PROVISION

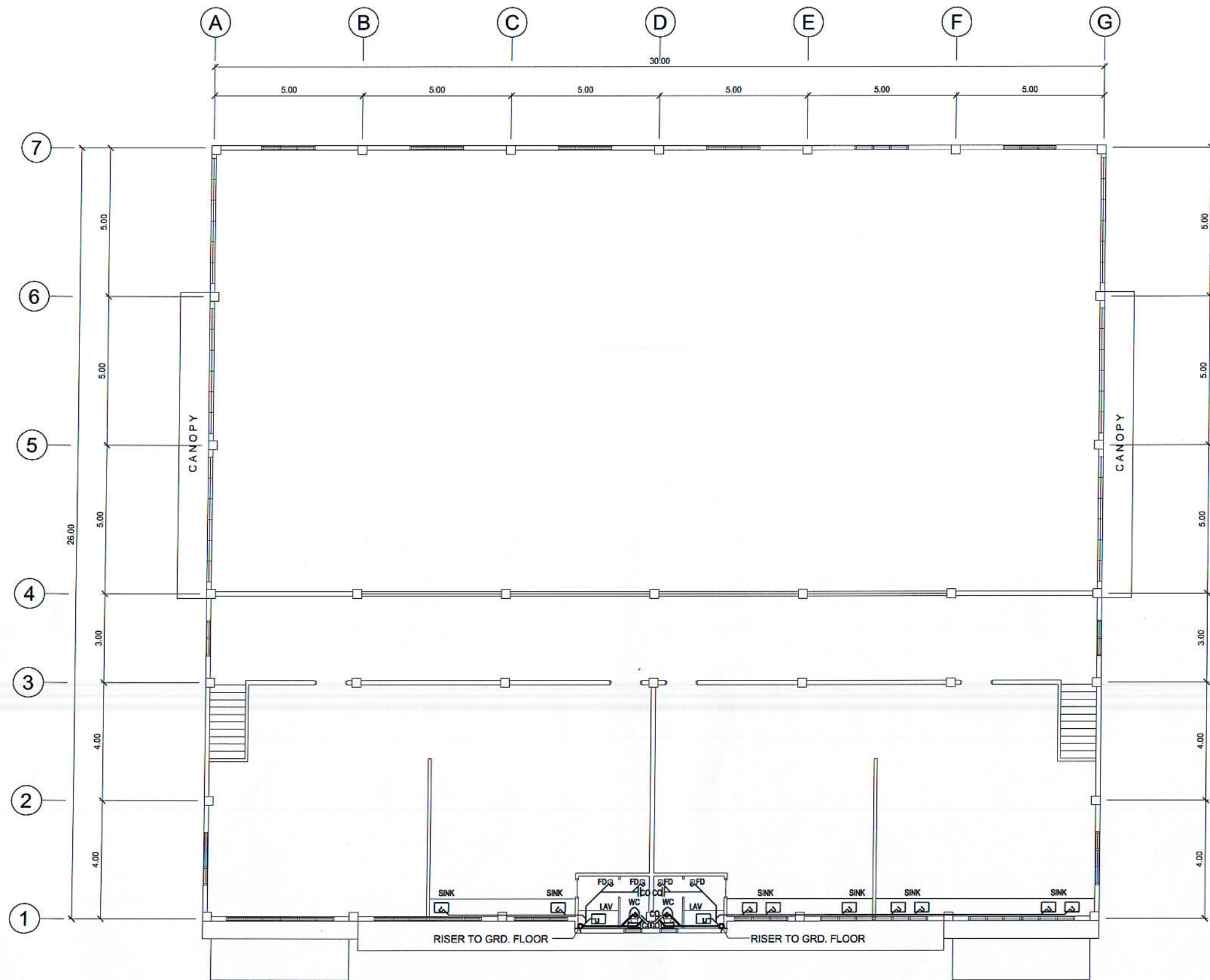
DESIGNED BY: <i>E. R. Rocillo</i> E. R. ROCILLO ELECTL. ENGR.:		ENDORSED BY: <i>R. B. Cubilla</i> R. B. CUBILLA DIRECTOR PLANNING OFFICE		APPROVED BY: <i>H. D. Robles</i> H. D. ROBLES PRES CVSU		PROJECT TITLE/ LOCATION: PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS		IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY		SHT NO: E - 6
REVISIONS: PROFESSIONAL ELECTL. ENGR.: <i>Ronald P. Peña</i> RONALD P. PEÑA PROFESSIONAL ELECTL. ENGR.:		END USER: <i>A. Mag sino</i> A. MAGSINO DEAN CAFENR		REC. APPROVAL: <i>C. A. Polinga</i> C. A. POLINGA VPASS CVSU						



GROUND FLOOR PLUMBING LAYOUT
SCALE 1 : 150 MTS.

CADD BY:
[Signature]
E. N. RODEROS JR.

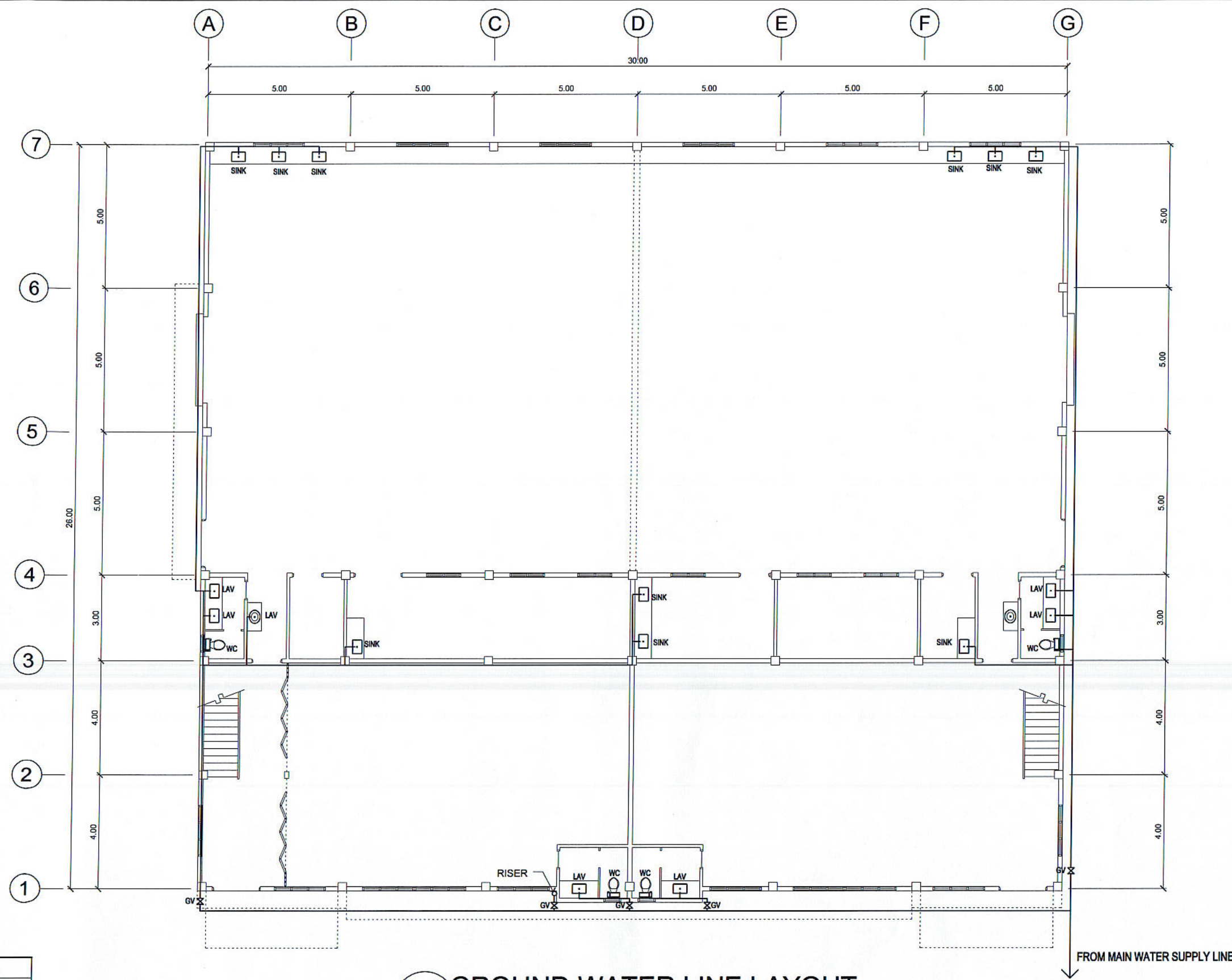
REGISTERED MASTER PLUMBER:	END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY	SHT NO:
S. B. BAYOT JR.	<i>[Signature]</i> A. MAGSINO DEAN CAFENR	<i>[Signature]</i> R. B. CUBILLA DIRECTOR PLANNING OFFICE	<i>[Signature]</i> C. A. POLINGA VRASS CVSU	<i>[Signature]</i> H. D. ROBLES PRES CVSU	PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	CAVITE STATE UNIVERSITY	P - 1



SECOND FLOOR PLUMBING LAYOUT
SCALE 1 : 150 MTS.

CADD BY:
[Signature]
E. N. RODEROS JR.

REGISTERED MASTER PLUMBER:	END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY	SHT NO:
S. B. BAYOT JR.	A. MAGSINO DEAN CAFENR	R. B. CUBILLA DIRECTOR PLANNING OFFICE	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	CAVITE STATE UNIVERSITY	P - 2

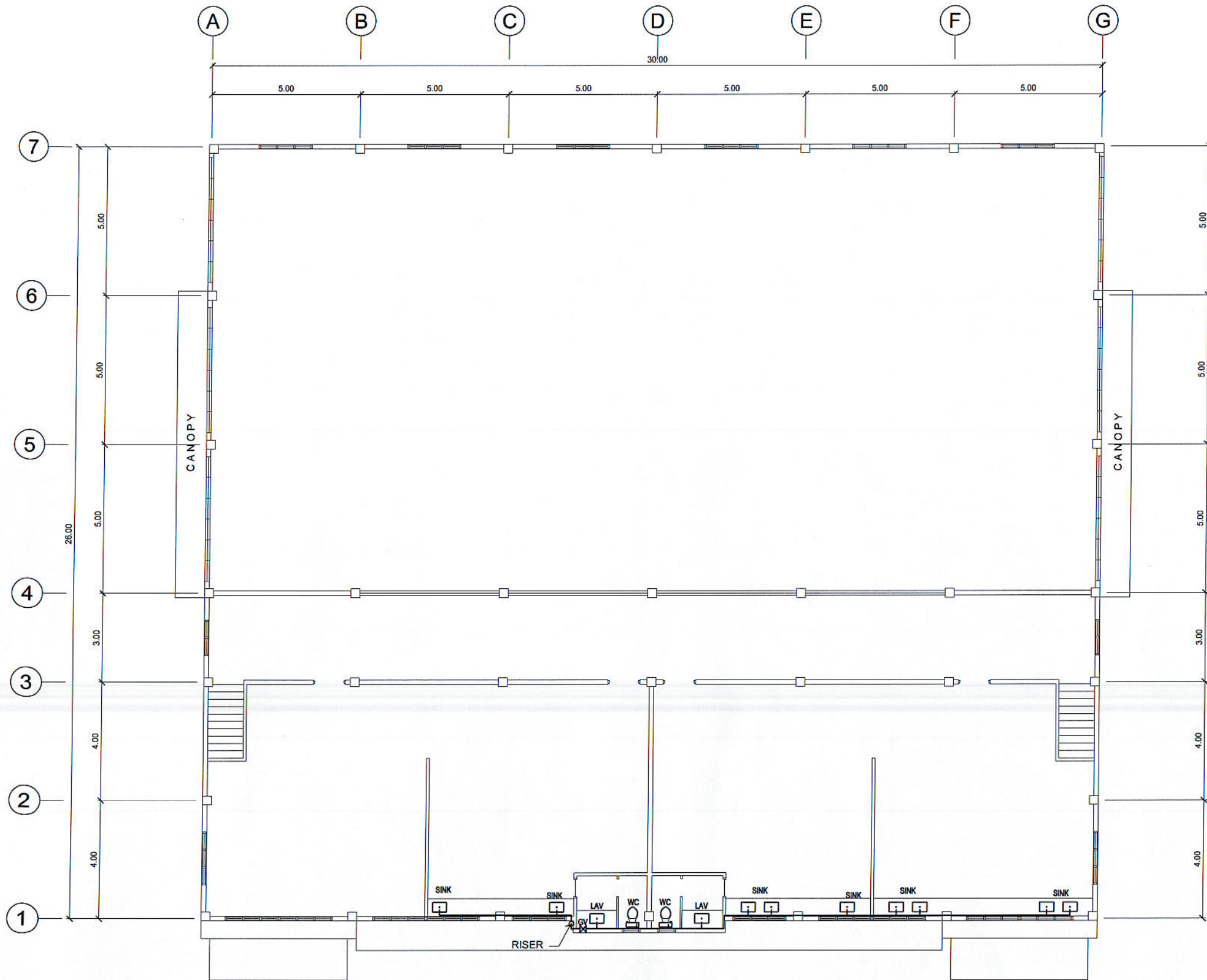


GROUND WATER LINE LAYOUT
 SCALE 1 : 150 MTS.

CADD BY:

 E. N. RODEROS JR.

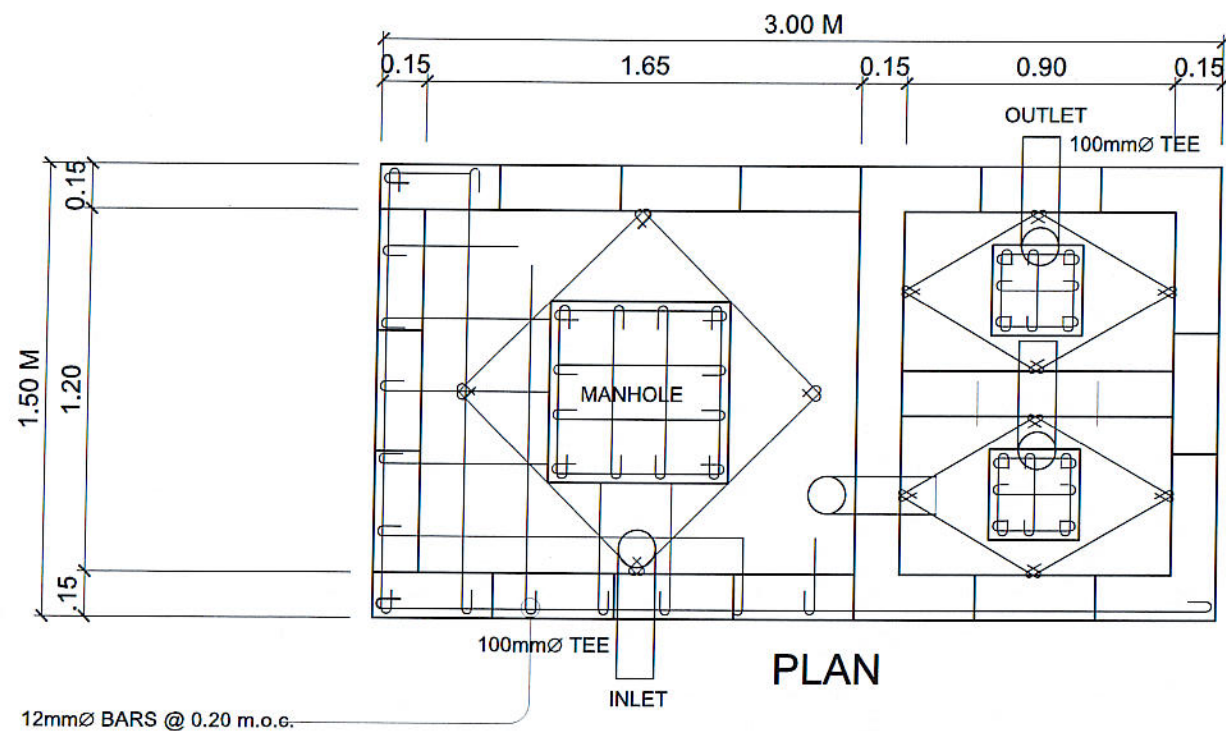
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 S. B. BAYOT JR.	 A. MAGSINO DEAN CAFENR	 R. B. CUBILLA DIRECTOR PLANNING OFFICE	 C. A. POLINGA VP/ASS CVSU	 H. D. ROBLES PRES CVSU	PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	CAVITE STATE UNIVERSITY	P - 3



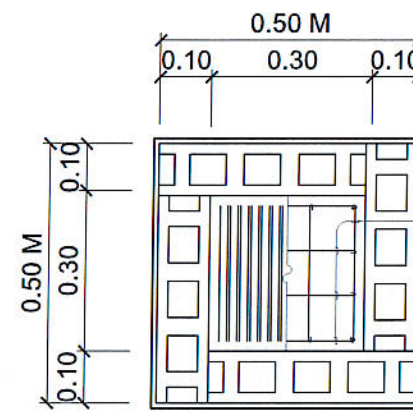
SECOND FLOOR WATER LINE LAYOUT
SCALE 1 : 150 MTS.

CADD BY:
[Signature]
E. N. RODEROS JR.

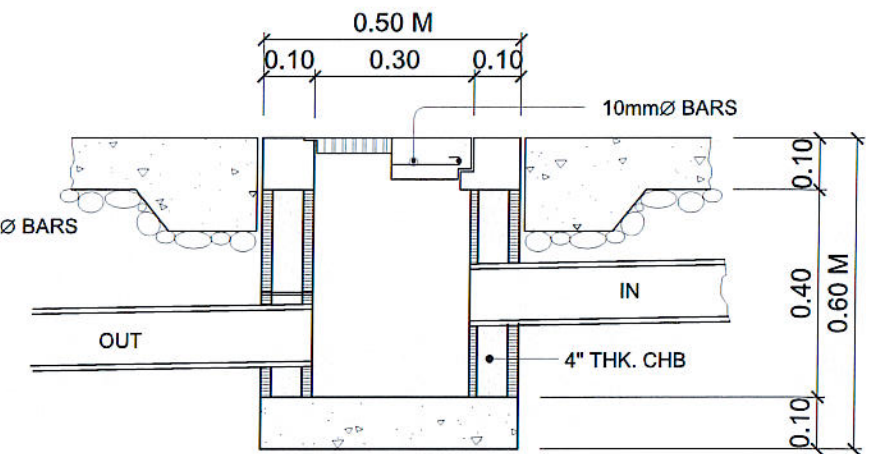
REGISTERED MASTER PLUMBER:	END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY	SHT NO:
S. B. BAYOT JR.	A. MAGSINO DEAN CAFENR	R. B. CUBILLA DIRECTOR PLANNING OFFICE	C. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED FRUITS & VEGETABLE PROCESSING CENTER CVSU, MAIN CAMPUS	CAVITE STATE UNIVERSITY	P - 4



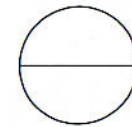
PLAN



PLAN



SECTION



DETAIL OF CATCH BASIN

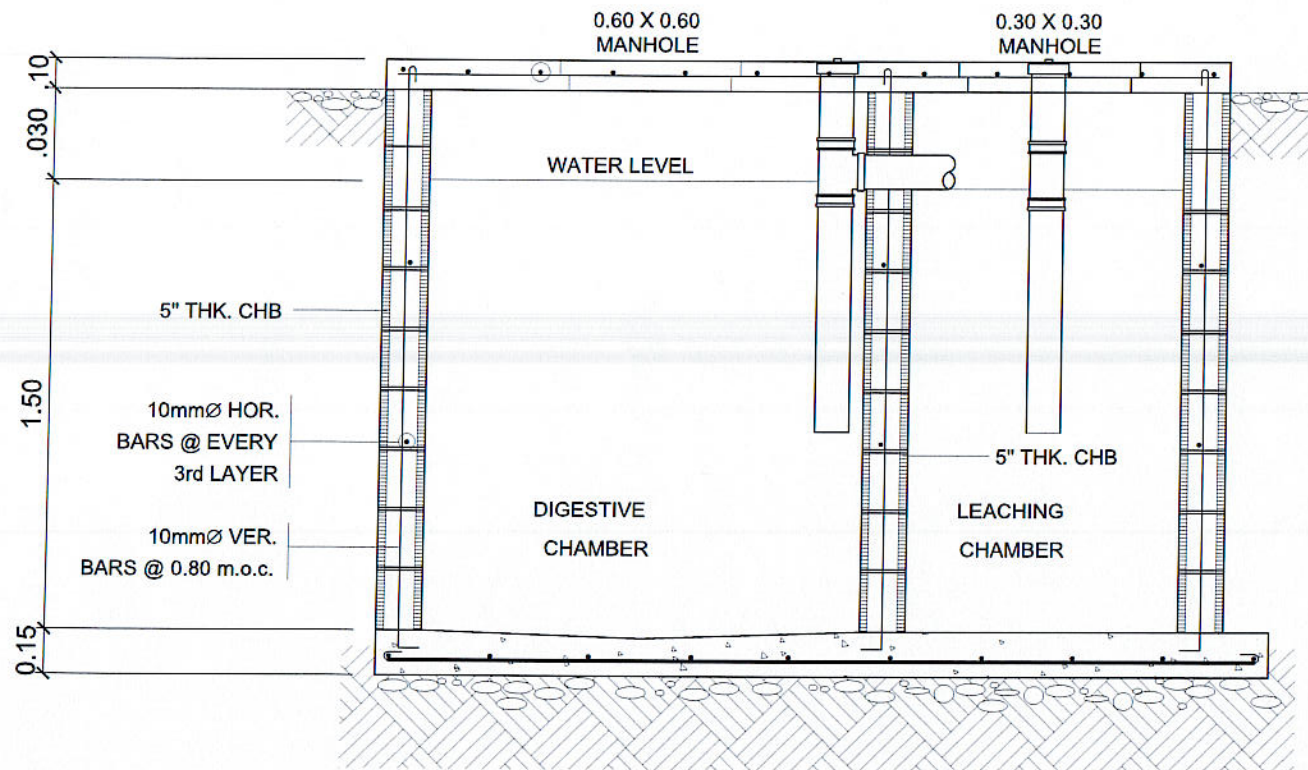
SCALE

N. T. S.



GENERAL NOTES

1. ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE PROVISIONS OF THE PHIL. PLUMBING CODE. THE NATIONAL PLUMBING CODE & THE RULES & REGULATIONS OF INDANG, CAVITE.
2. COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DICREPANCY FOUND THEREIN.
3. ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATIONS REQUIRED FOR PROPER EXECUTION OF OTHER TRADE SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT OR ENGINEER.
4. PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR. APPROVED EQUAL.
5. ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% UNLESS OTHERWISE SPECIFIED.
6. SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH WITH THE MANUFACTURER'S INSTRUCTIONS.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE, COORDINATE THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT AND WATER LINE SERVICE CONNECTING POINT UNLESS OTHERWISE SPECIFIED.
8. ALL PIPE SIZES ARE IN MILLIMETERS AND ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.



SECTION

DETAIL OF SEPTIC TANK

SCALE

1 : 20 MTS.

CADD BY:
E. N. RODEROS JR.

REGISTERED MASTER PLUMBER:
S. B. BAYOT JR.

END USER:
E. G. BARCELON
CHAIR
IFST

ENDORSED BY:
R. B. CUBILLA
DIRECTOR
PLANNING OFFICE

REC. APPROVAL:
H. O. GARCIA
VPASS
CVSU

APPROVED BY:
H. D. ROBLES
PRES
CVSU

PROJECT TITLE/ LOCATION:
PROPOSED FRUITS & VEGETABLE
PROCESSING CENTER
CVSU, MAIN CAMPUS

IMPLEMENTING AGENCY
CAVITE STATE UNIVERSITY

SHT NO:
P - 5