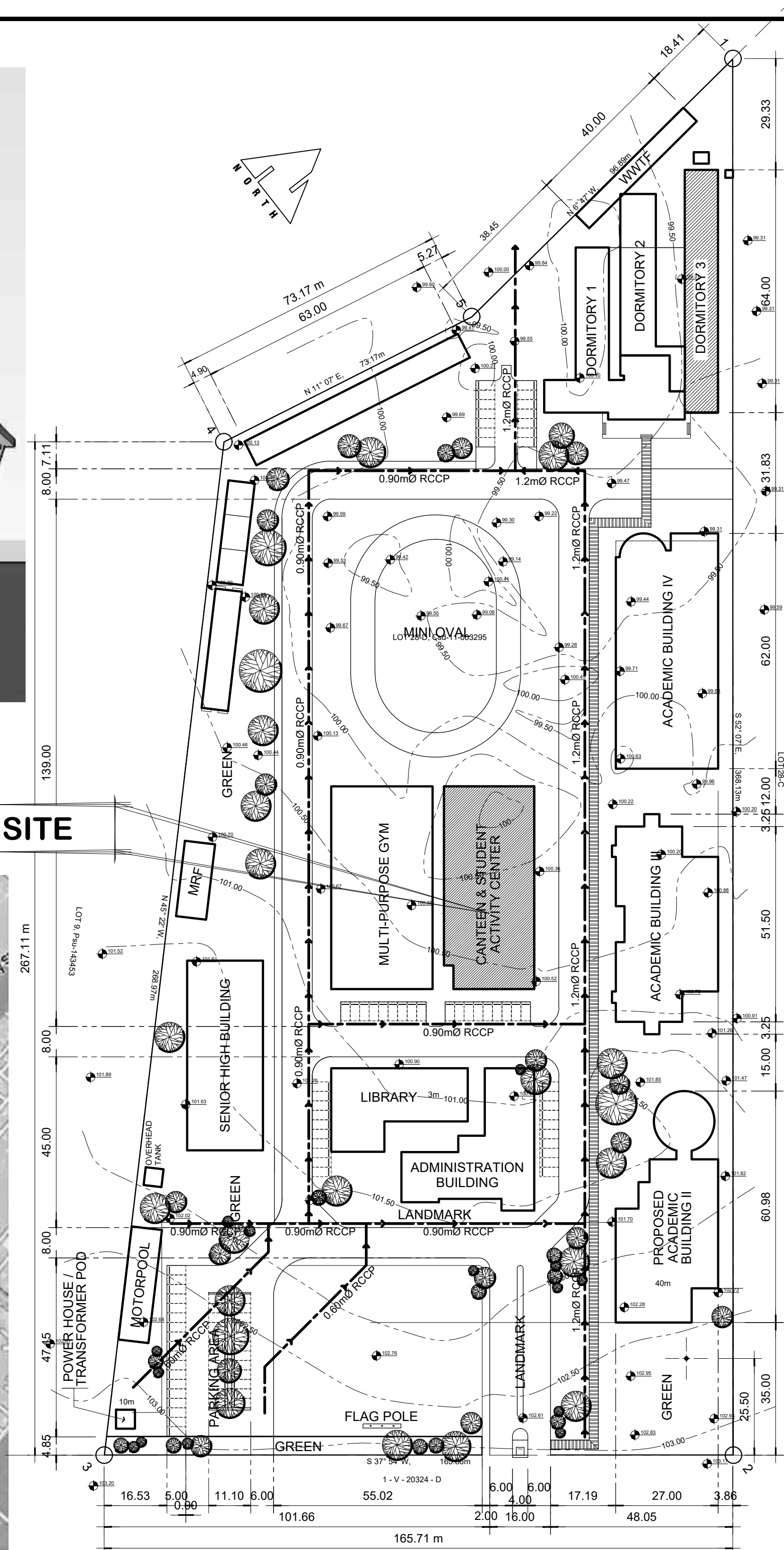




01 **PERSPECTIVE**
A-01 SCALE: NTS



02 **LOCATION PLAN**
A-01 SCALE: NTS



03 **SITE DEVELOPMENT PLAN**
A-01 SCALE: 1:1000

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LINE AND GRADE	
ARCHITECTURAL	
STRUCTURAL	
ELECTRICAL	
MECHANICAL	
SANITARY	
ELECTRONICS	

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MICHAEL T. ANG, fuap
ARCHITECT

PRC: 8270
VALIDITY: 08 MAY 2018
IAPOA: 04440 141342 07161
O.R. | DATE: 141342 | 16 JULY 15
PTR: 7193602
DATE ISS: 10 JAN 2017
PLACE ISS: GSC
TIN: 123-875-856

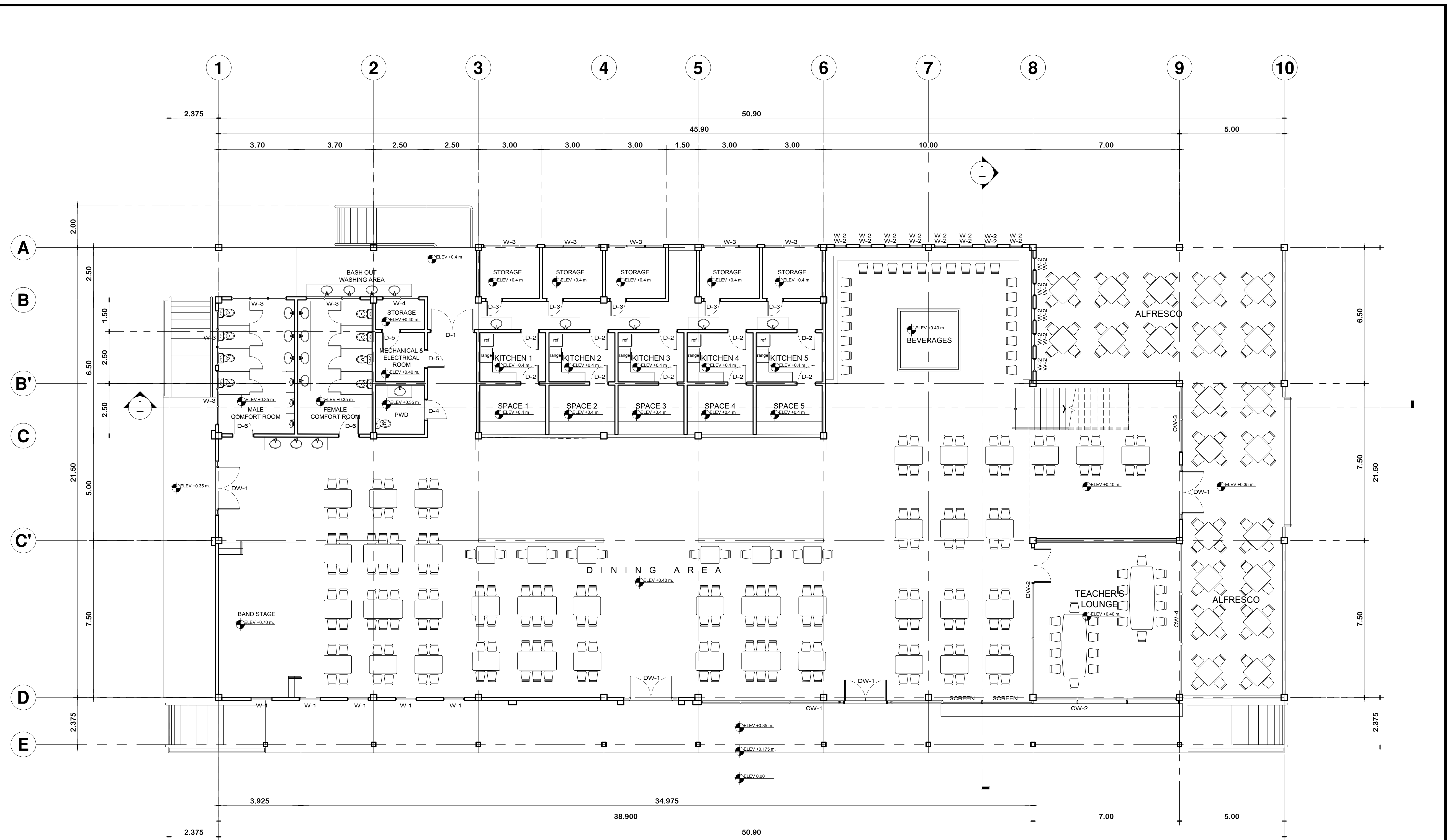
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PROJECT TITLE / LOCATION
PROPOSED CANTEEN AND STUDENT ACTIVITY CENTER
PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

APPROVED BY
CHUCHI P. GARNERA, PH.D.
OWNER
ADDRESS: PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

PREPARED BY:
CYRIL LLOYD OMANDAM
DRAFTING STAFF
CHECKED BY:
NELSON LEANDRO R. BRETAÑA, uap
JUNIOR ARCHITECT

SHEET NO.
A- 01
01 33



01 **GROUND FLOOR PLAN**
A-02 SCALE: 1:100

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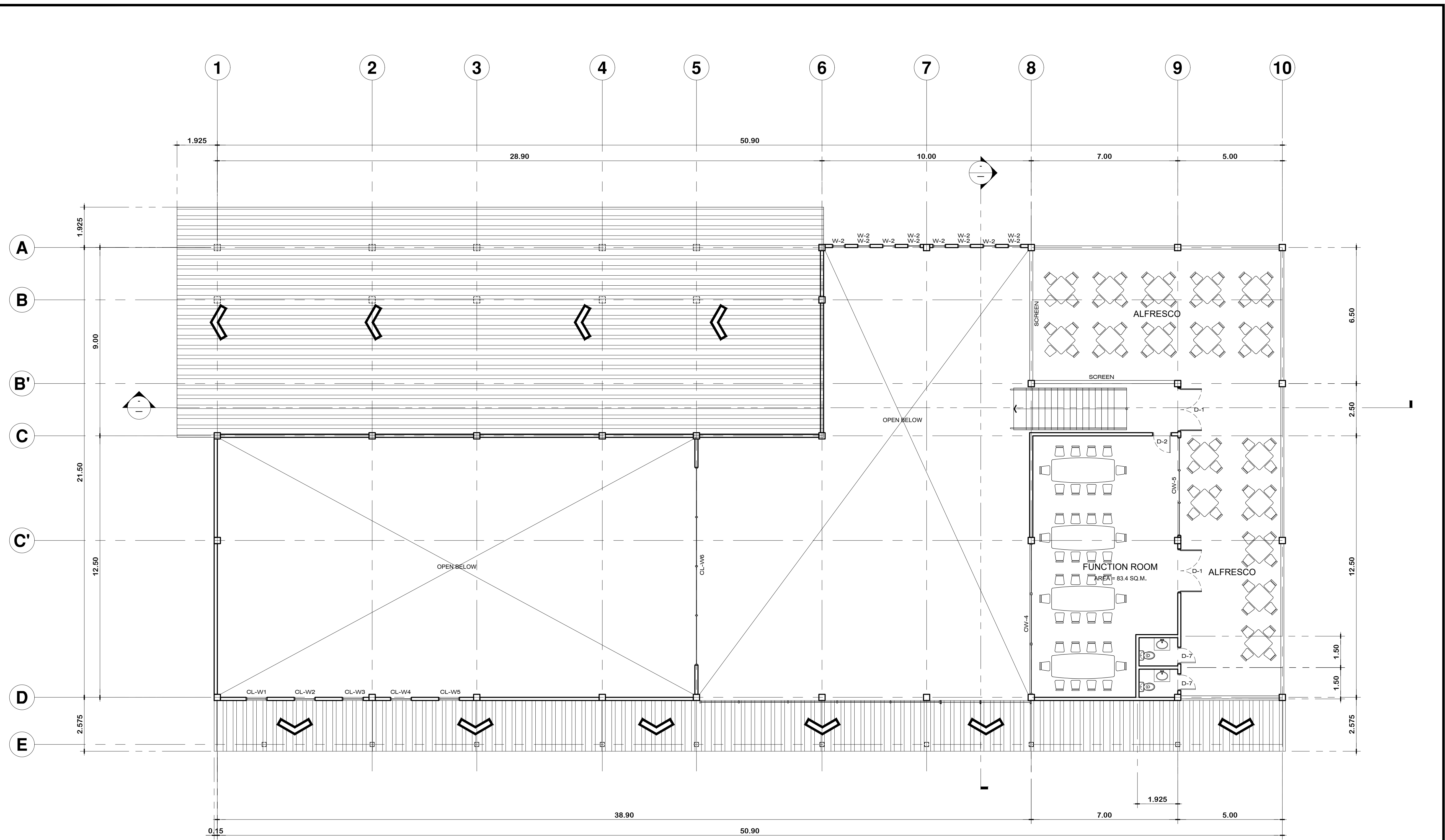
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JUNIOR ARCHITECT

SHEET NO.
A- 02
02 33



01 **SECOND FLOOR PLAN**
A-03 SCALE: 1:100

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MICHAEL T. ANG, fuap
ARCHITECT

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O.R. | DATE: 141342 | 16 JULY 14
PTR: 7193602
DATE ISS: 10 JAN 2017
PLACE ISS: GSC
TIN: 123-875-856

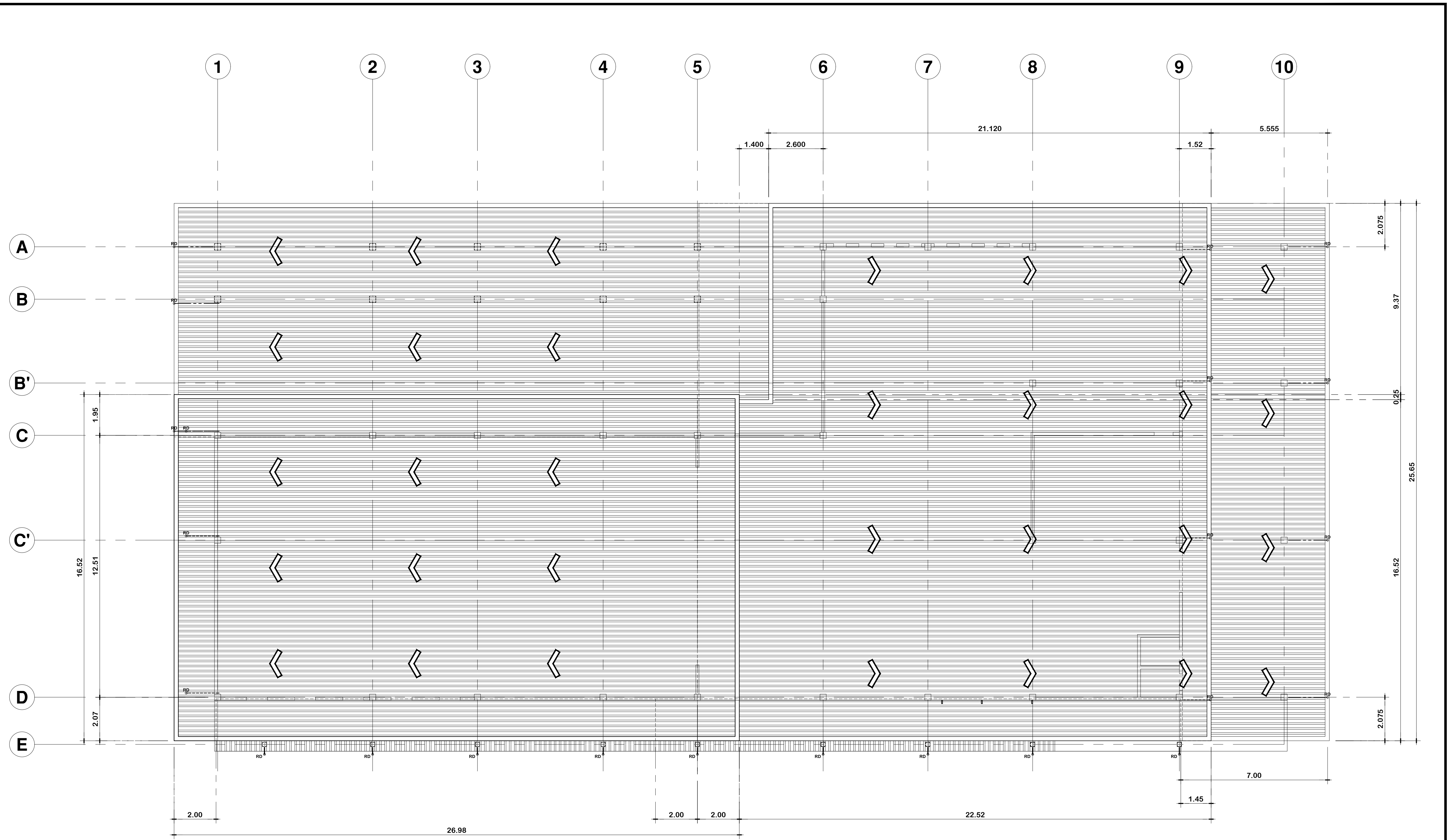
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SHEET NO.
A- 03
03 33



01 R O O F P L A N
 A-04 SCALE: 1:100

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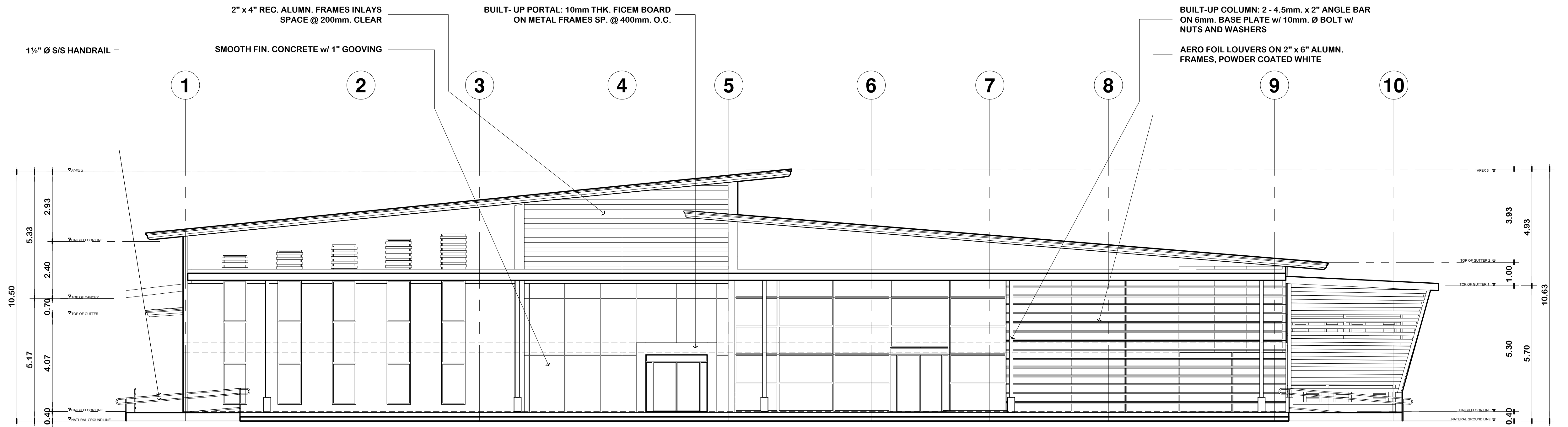
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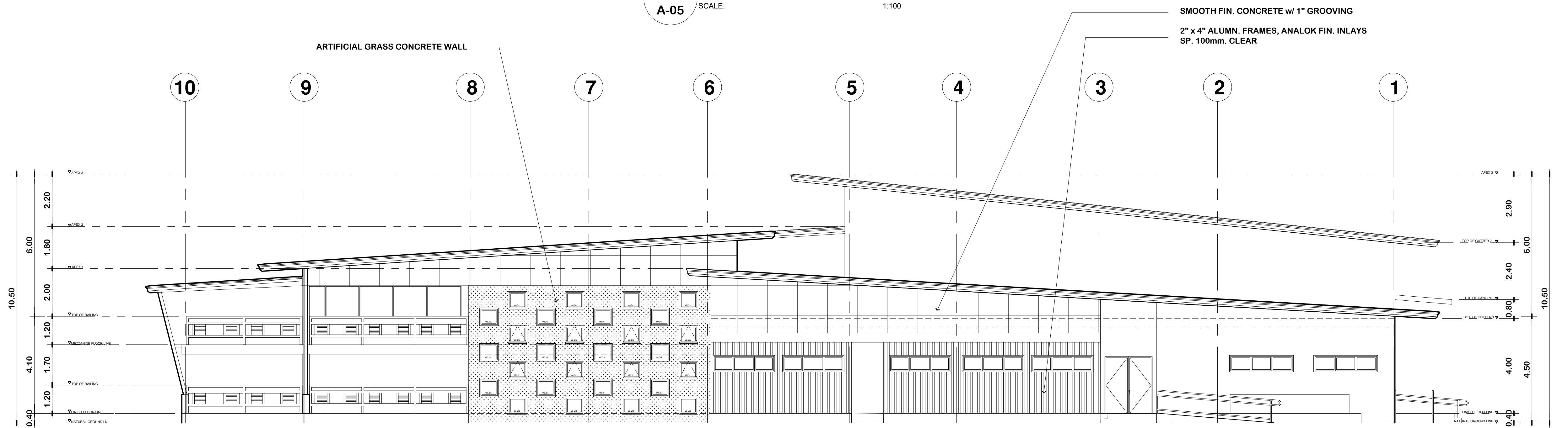
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SHEET NO.	A-04
	04 33



01 FRONT ELEVATION
 A-05 SCALE: 1:100



02 REAR ELEVATION
 A-05 SCALE: 1:100

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 ARCHITECT

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 O.R. | DATE: 141342 | 16 JULY 18
 PTR: 7193602
 DATE ISS: 10 JAN 2017
 PLACE ISS: GSC
 TIN: 123-875-856

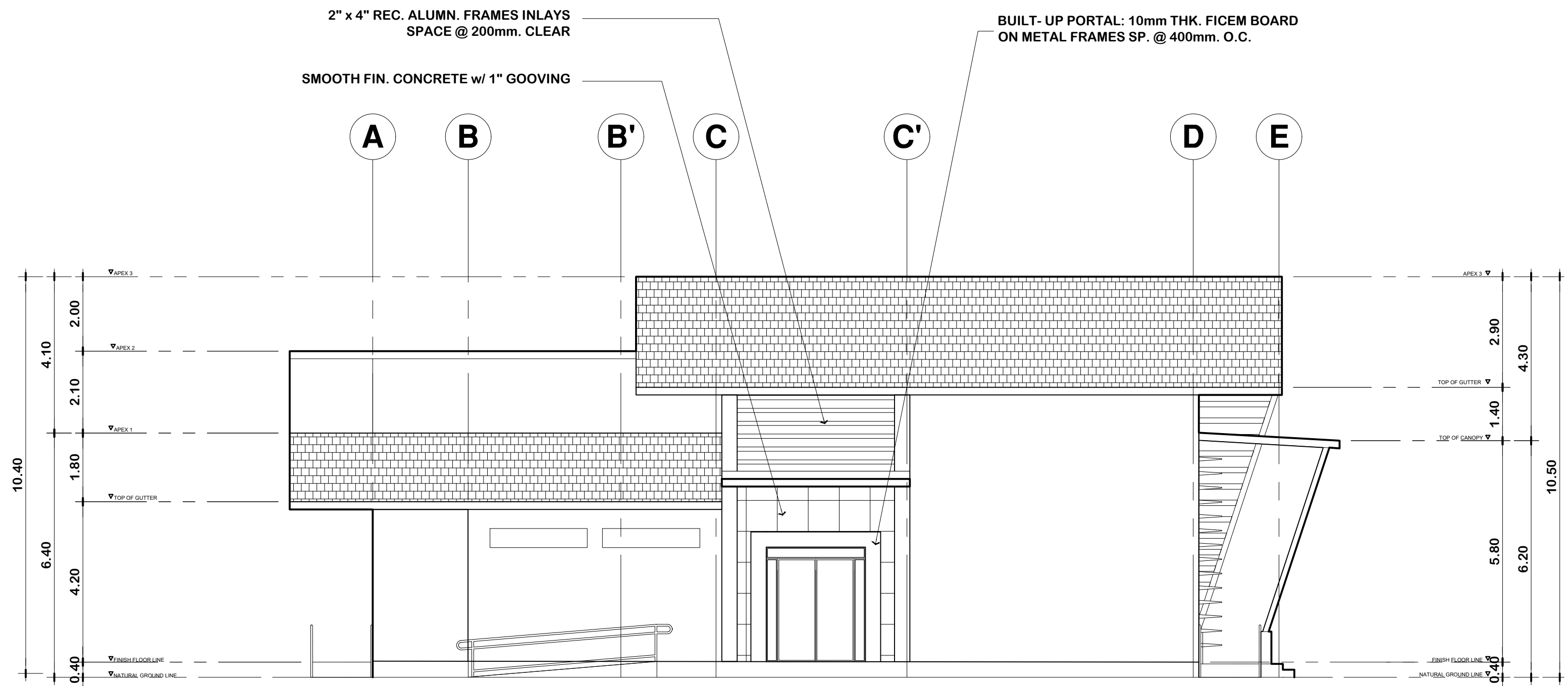
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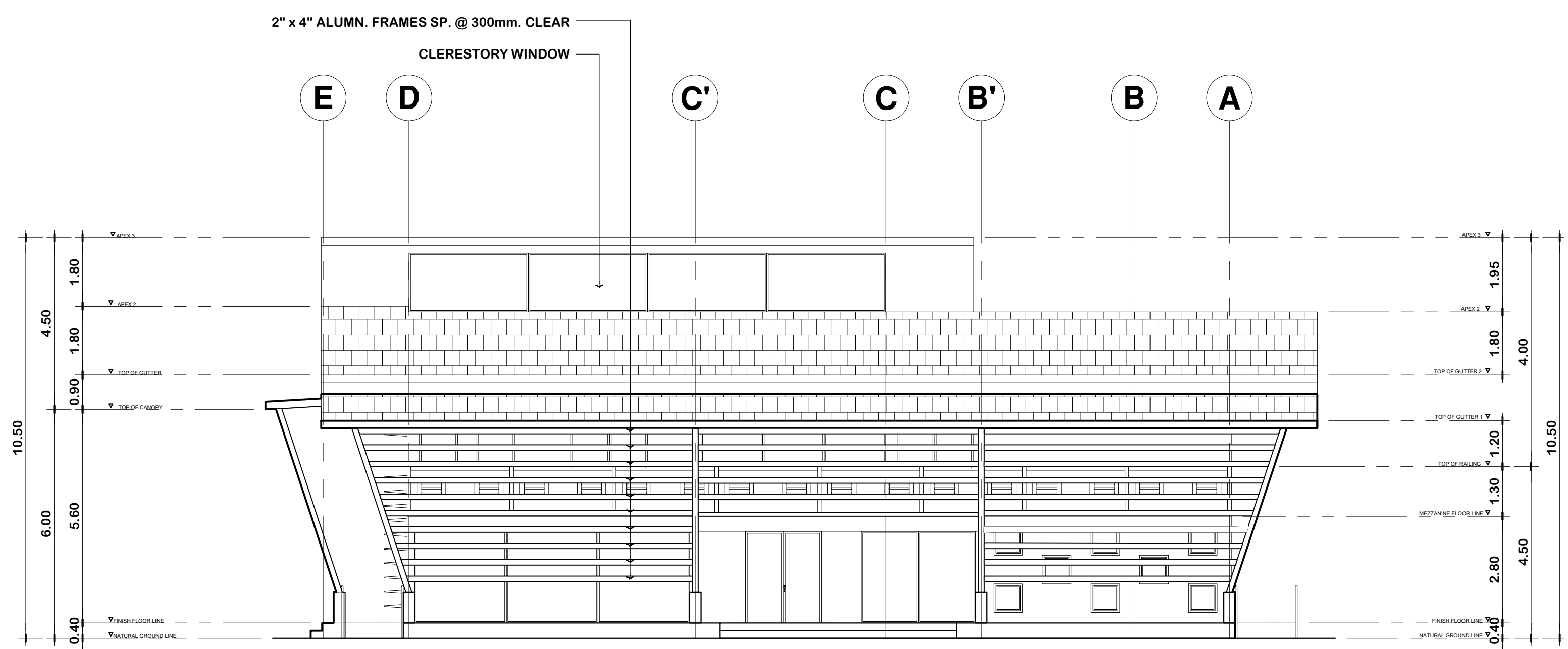
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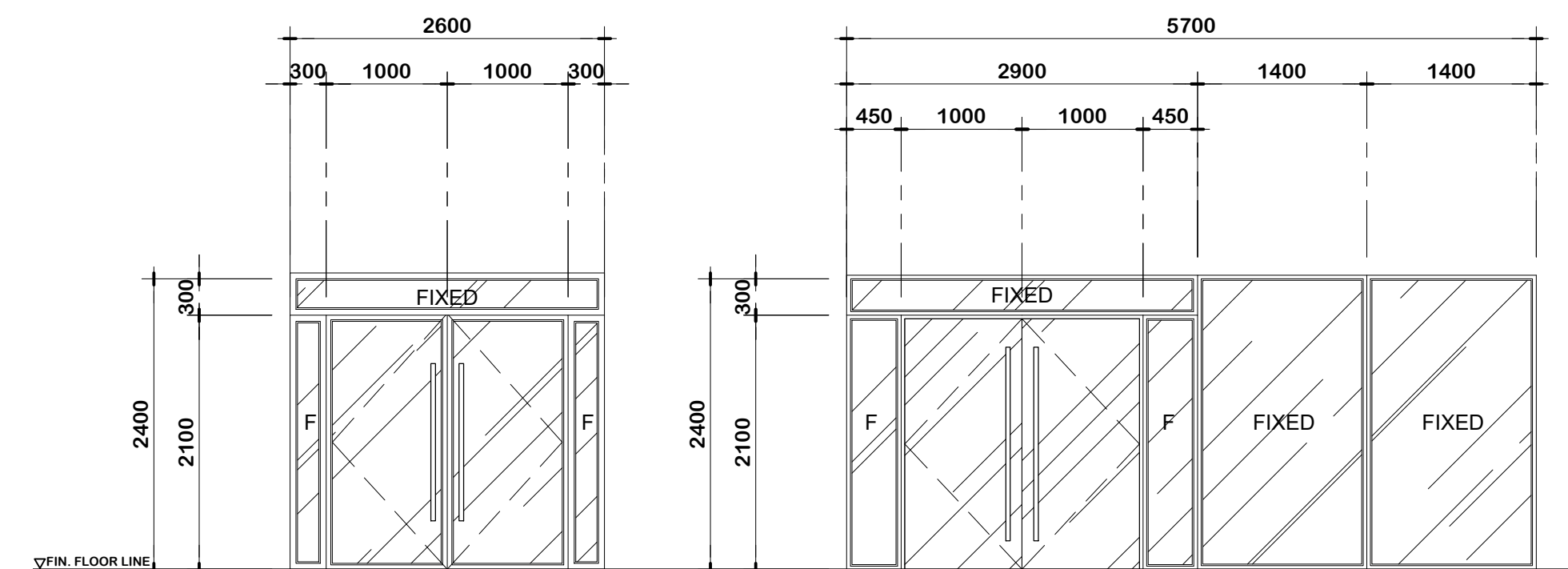
SHEET NO.
A-05
05 33



01 LEFT SIDE ELEVATION
 A-06 SCALE: 1:100

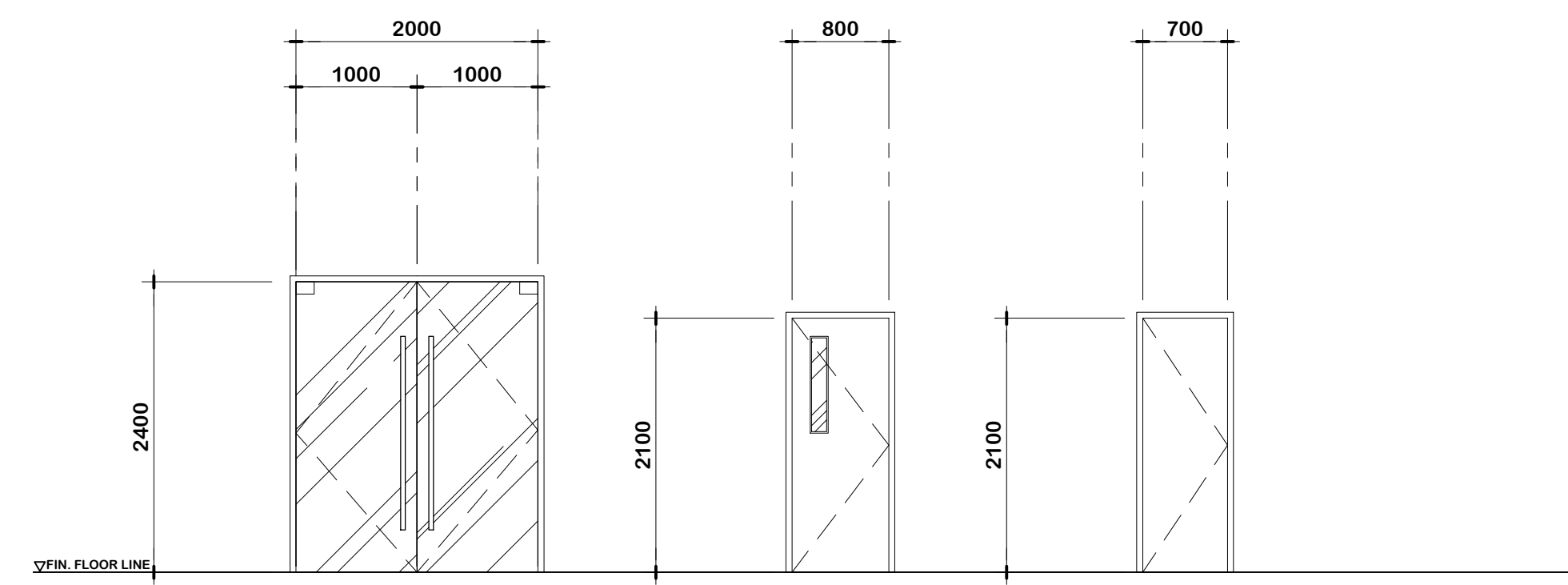


02 RIGHT SIDE ELEVATION
 A-06 SCALE: 1:100



DW-1
 10mm. THK. GLASS DOOR; DOUBLE LEAF w/ SIDE LIGHT AND TRANSOM ON 2"x4" ALUMN. FRAMES; POWDER COATED WHITE
 4 UNITS REQUIRED

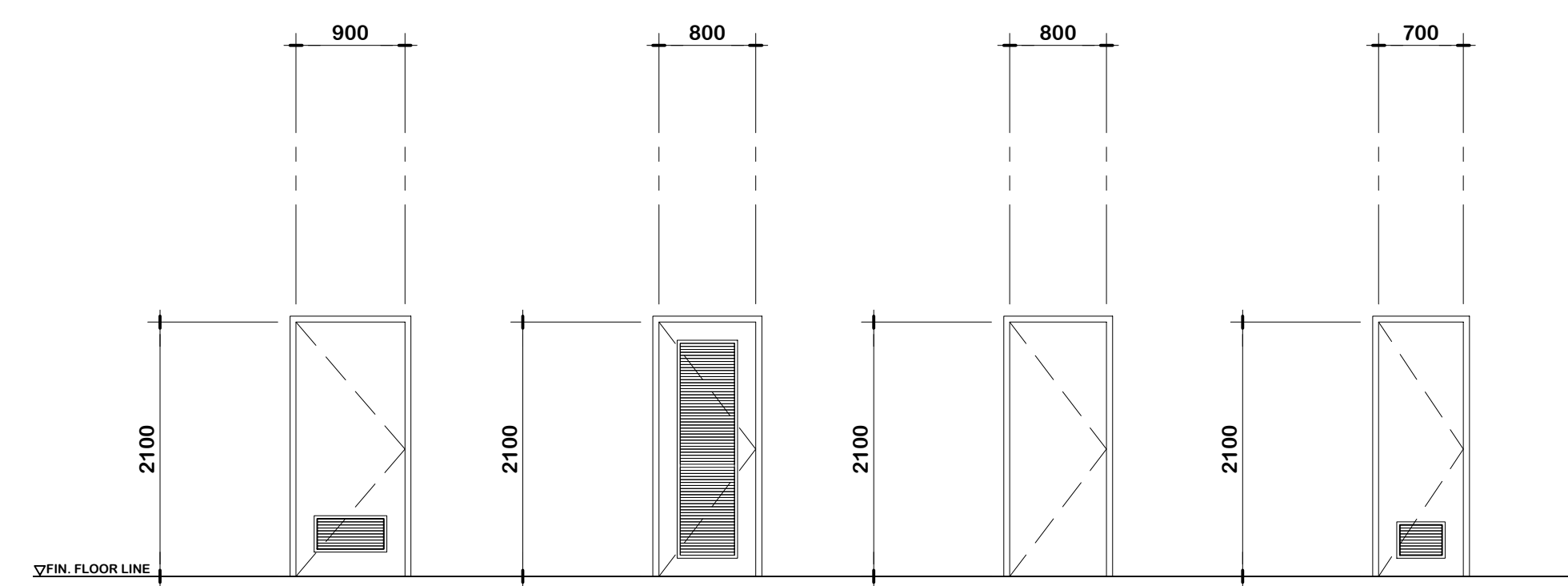
DW-2
 10mm. THK GLASS DOOR; DOUBLE LEAF w/ SIDE LIGHT AND TRANSOM ON 2"x4" ALUMN. FRAMES; POWDER COATED WHITE
 1 UNIT REQUIRED



D-1
 10mm. THK. GLASS DOOR; DOUBLE LEAF; ON 2"x4" ALUMN. FRAMES; POWDER COATED WHITE
 3 UNITS REQUIRED

D-2
 HOLLOW CORE BUILT-UP FLUSH DOORS w/ 1/2" CLEAR GLASS VIEWER, SWING ON 2" x 6" WOODEN JAMB & 4-3/4" LOOSE-PIN HINGES
 11 UNITS REQUIRED

D-3
 HOLLOW CORE BUILT-UP FLUSH DOORS, SWING ON 2" x 6" WOODEN JAMB & 4-3/4" LOOSE-PIN HINGES
 5 UNITS REQUIRED



D-4
 WOODEN FLUSH DOOR w/ FIXED LOUVER; ON 2"x6" WOODEN JAMB w/ 4-3/4" LOOSE-PIN HINGES; PROVIDE S/S KICK PLATE 200 x 900mm.
 1 UNIT REQUIRED

D-5
 HOLLOW CORE STEEL GRILLE DOOR ON STEEL JAMB
 2 UNITS REQUIRED

D-6
 HOLLOW CORE BUILT-UP FLUSH DOORS, SWING ON 2" x 6" WOODEN JAMB & 4-3/4" LOOSE-PIN HINGES
 2 UNITS REQUIRED

D-7
 PVC FLUSH DOOR w/ FIXED LOUVER
 2 UNITS REQUIRED

03 SCHEDULE OF DOORS
 A-06 SCALE: 1:50

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MICHAEL T. ANG, fuap
 ARCHITECT

PRC:	8270
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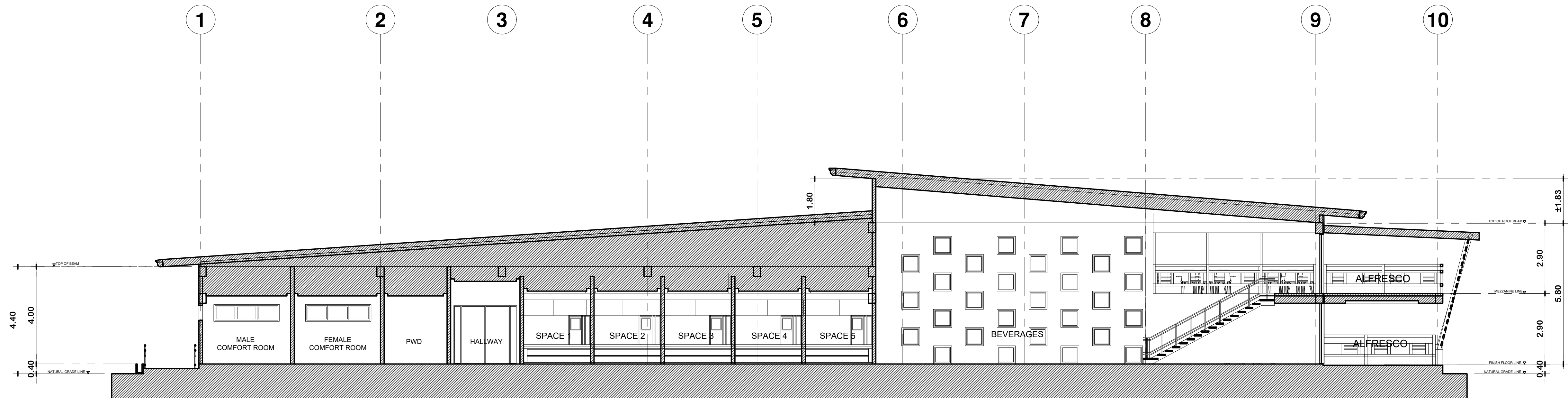
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PROJECT TITLE / LOCATION	PROPOSED CANTEN AND STUDENT ACTIVITY CENTER PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY
APPROVED BY	CHUCHI P. GARNERA, PH.D. OWNER
PREPARED BY:	CYRIL LLOYD OMANDAM DRAFTING STAFF
CHECKED BY:	NELSON LEANDRO R. BRETAÑA, uap JUNIOR ARCHITECT

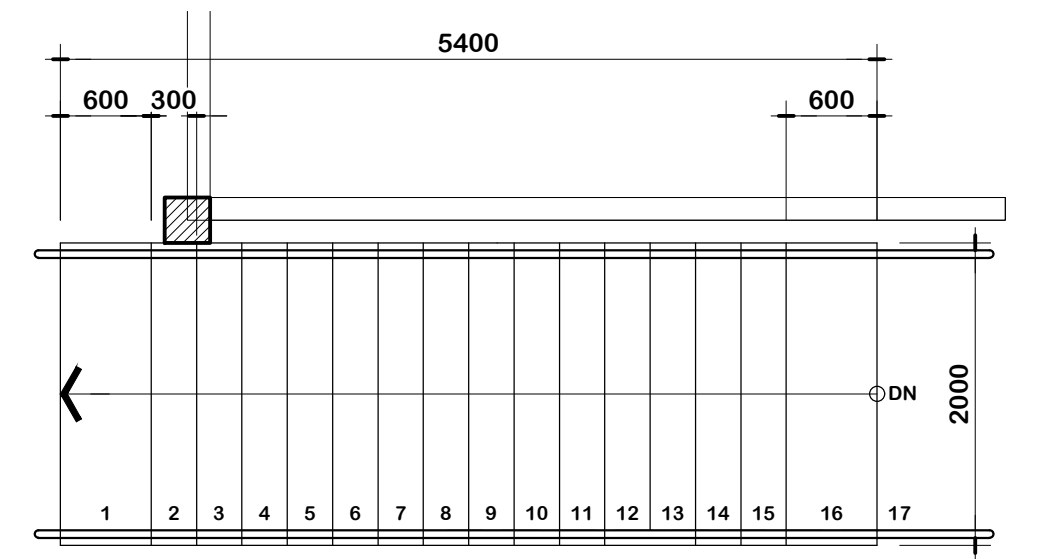
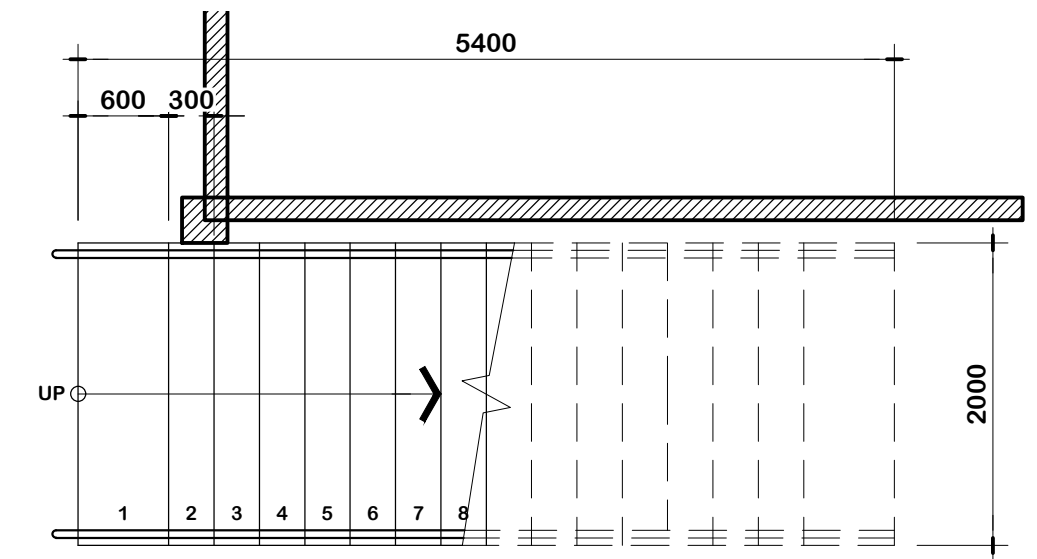
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ADDRESS:	PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

PREPARED BY:	CYRIL LLOYD OMANDAM DRAFTING STAFF
CHECKED BY:	NELSON LEANDRO R. BRETAÑA, uap JUNIOR ARCHITECT

SHEET NO.	A-06
	06 33

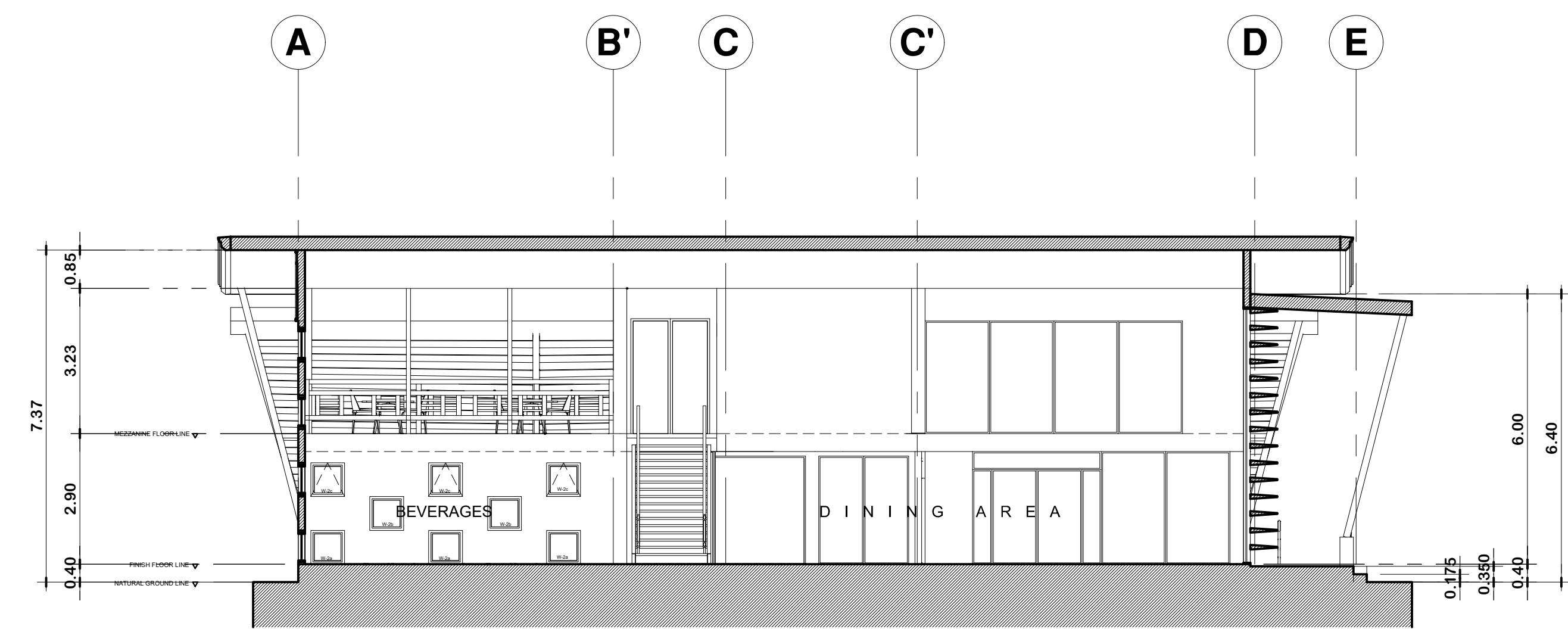


01 LONGITUDINAL SECTION
A-07 SCALE: 1:100

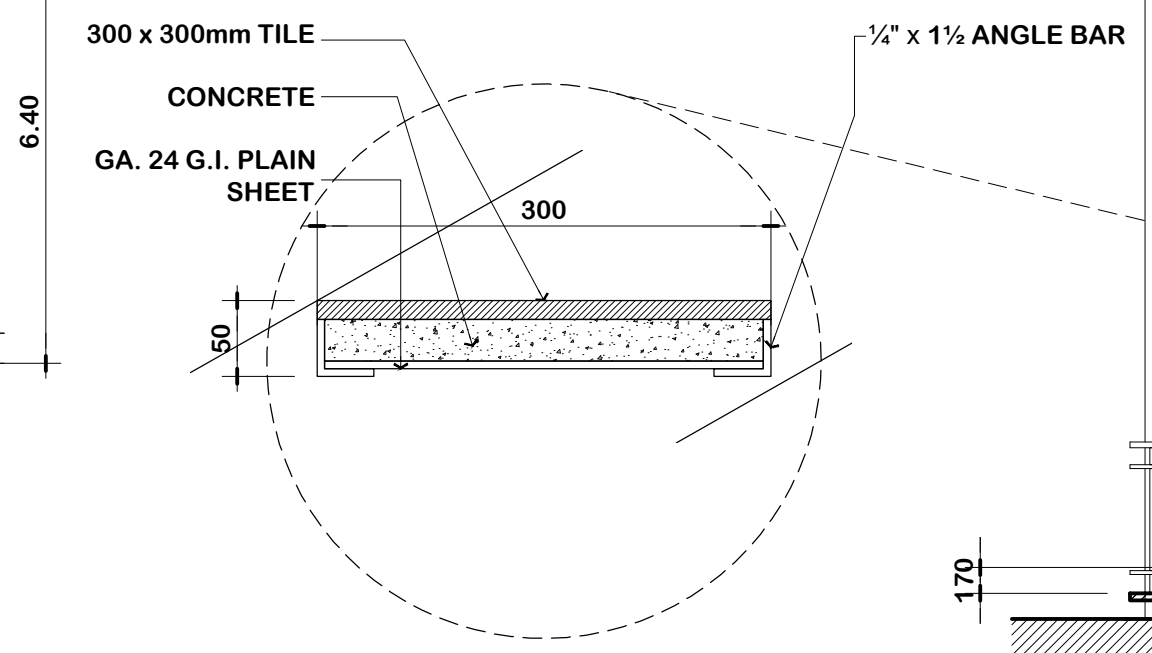


01 STAIR PLAN @ G.F.
A-07 SCALE: 1:50

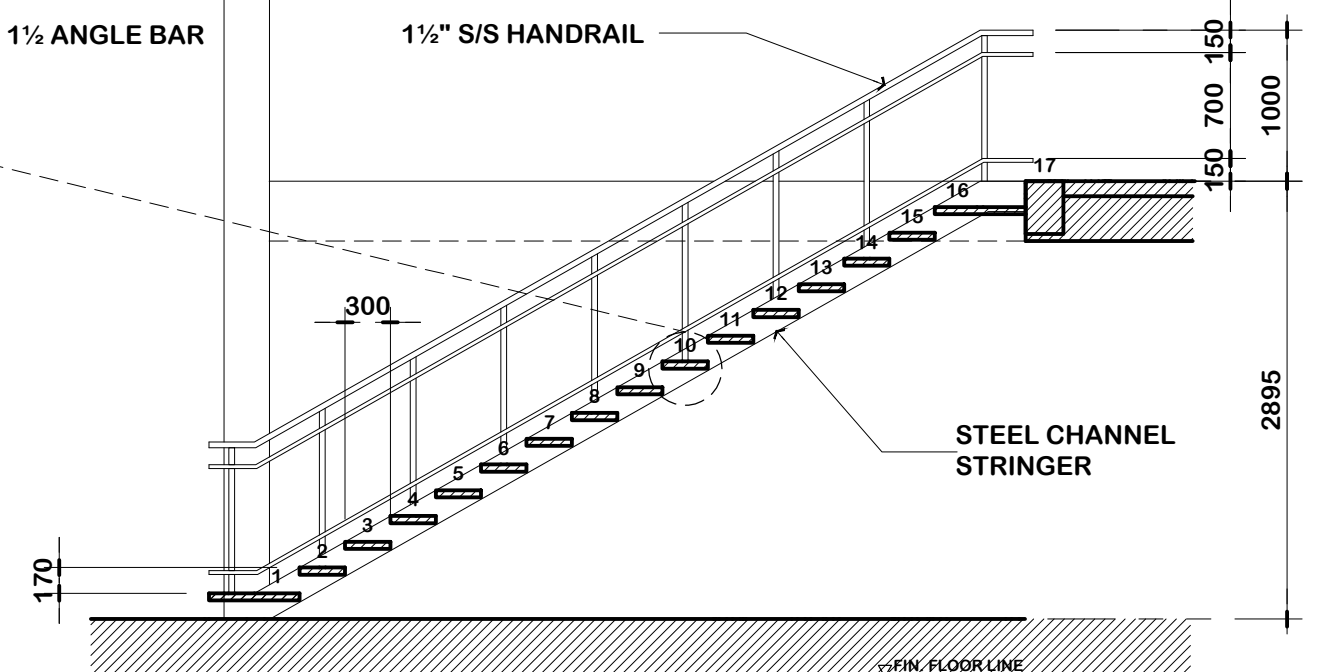
01 STAIR PLAN @ MEZZ. FLOOR
A-07 SCALE: 1:50



02 TRANSVERSE SECTION
A-07 SCALE: 1:100



01 STAIR STEP DETAIL
A-07 SCALE: 1:50



01 STAIR SECTION
A-07 SCALE: 1:50

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PROPOSED CANTEEN AND STUDENT ACTIVITY CENTER
PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

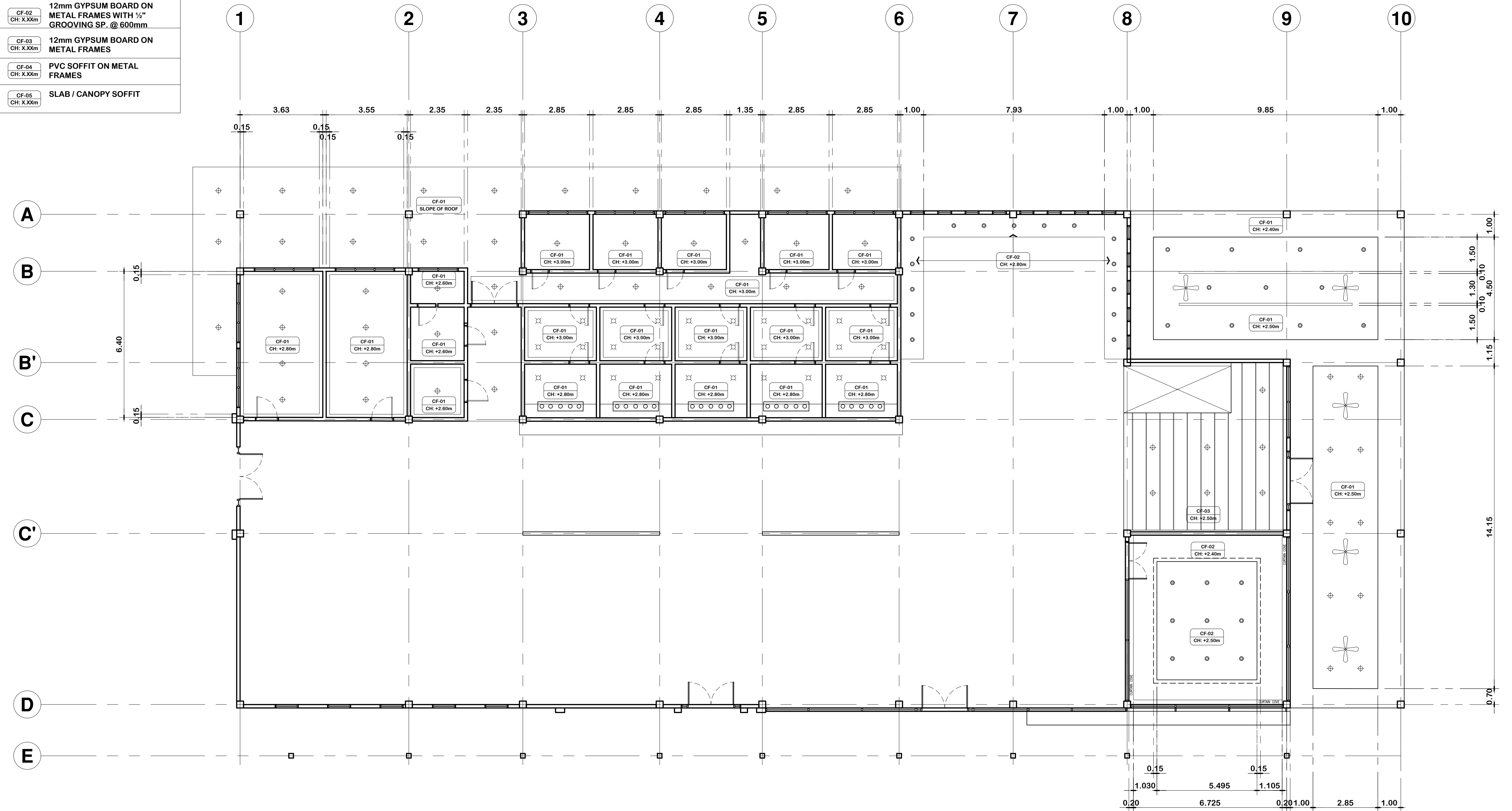
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CHECKED BY:
NELSON LEANDRO R. BRETANA, uap
JUNIOR ARCHITECT

SHEET NO.	
A-07	
07	33

LEGEND:

- CF-01
CH: X.XXm) 6mm FICEM BOARD ON METAL FRAMES
- CF-02
CH: X.XXm) 12mm GYPSUM BOARD ON METAL FRAMES WITH 1/2" GROOVING SP. @ 600mm
- CF-03
CH: X.XXm) 12mm GYPSUM BOARD ON METAL FRAMES
- CF-04
CH: X.XXm) PVC SOFFIT ON METAL FRAMES
- CF-05
CH: X.XXm) SLAB / CANOPY SOFFIT



01 GROUND FLOOR REFLECTED CEILING PLAN
 A-08 SCALE: 1:100

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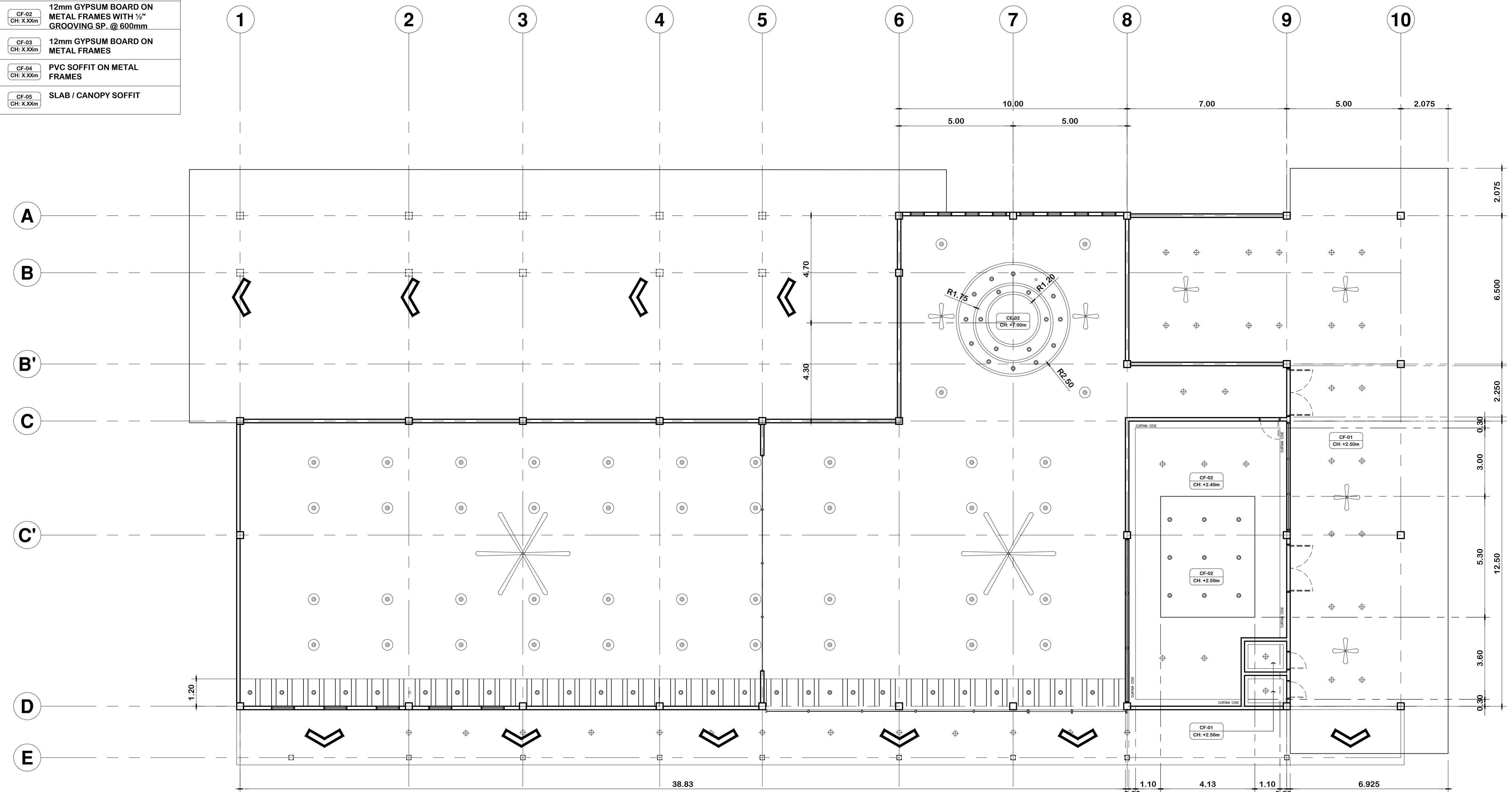
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SHEET NO.
A-08
08 33

LEGEND:

CF-01 CH: X.XXm	6mm FICEM BOARD ON METAL FRAMES
CF-02 CH: X.XXm	12mm GYPSUM BOARD ON METAL FRAMES WITH 1/2" GROOVING SP. @ 600mm
CF-03 CH: X.XXm	12mm GYPSUM BOARD ON METAL FRAMES
CF-04 CH: X.XXm	PVC SOFFIT ON METAL FRAMES
CF-05 CH: X.XXm	SLAB / CANOPY SOFFIT



01 **SECOND FLOOR REFLECTED CEILING PLAN**
 A-09 SCALE: 1:100

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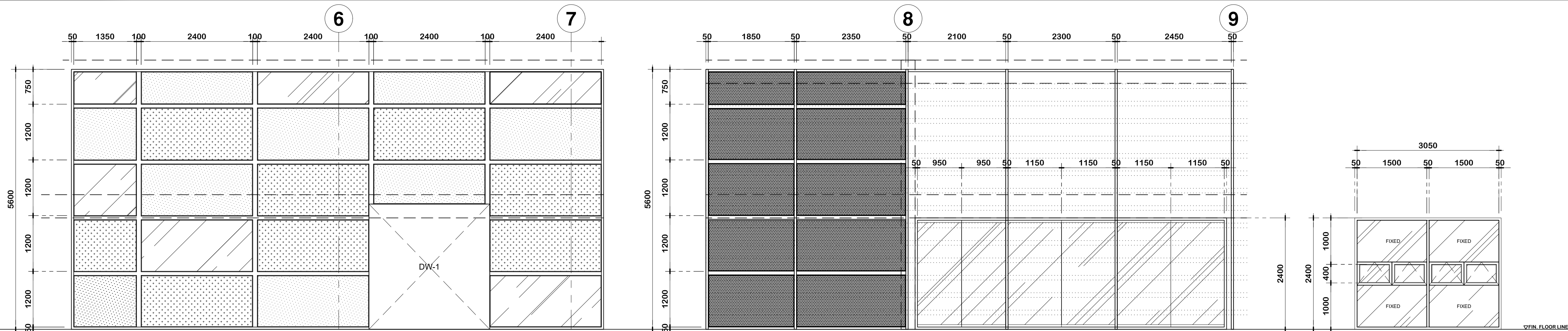
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PROPOSED CANTEEN AND STUDENT ACTIVITY CENTER PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY	CHUCHI P. GARNERA, PH.D. OWNER
PREPARED BY:	CHECKED BY:
CYRIL LLOYD OMANDAM DRAFTING STAFF	NELSON LEANDRO R. BRETANA, uap JUNIOR ARCHITECT

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09	33



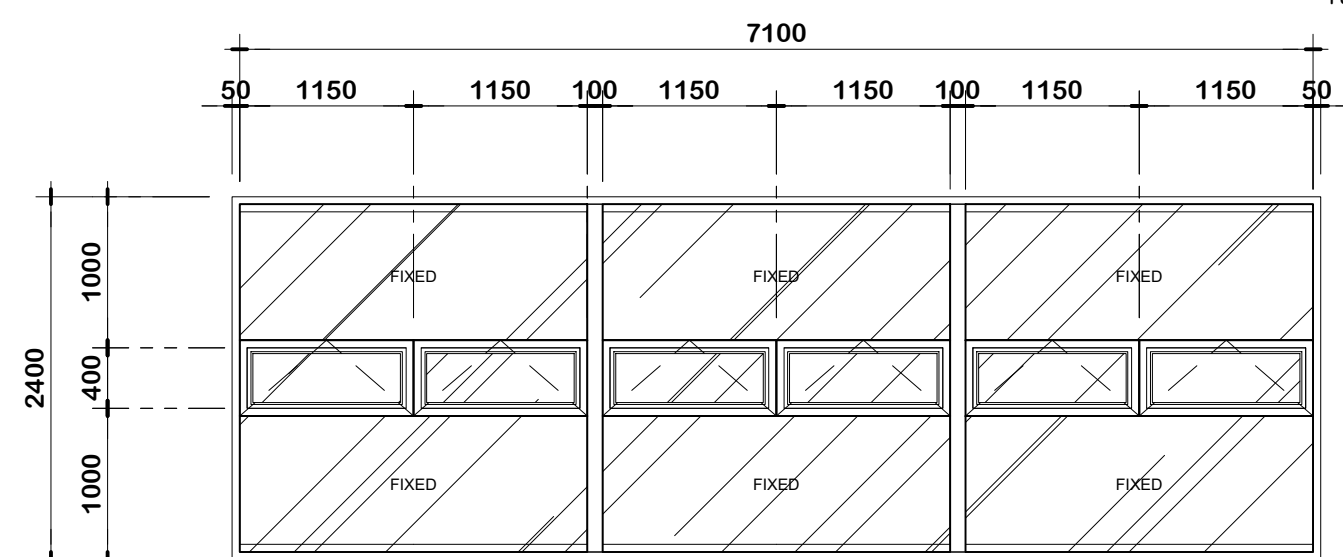
- ACP - IVORY WHITE - AF-402
- ACP - MOUSE GREY METALLIC - AF-400
- 10mm. THK. GLASS

CW-1
ALUMN. COMPOSITE PANEL (PVDF) w/
10mm. THK. GLASS HATCH ON 2"x4" ALUMN.
FRAMES; POWDER COATED WHITE;

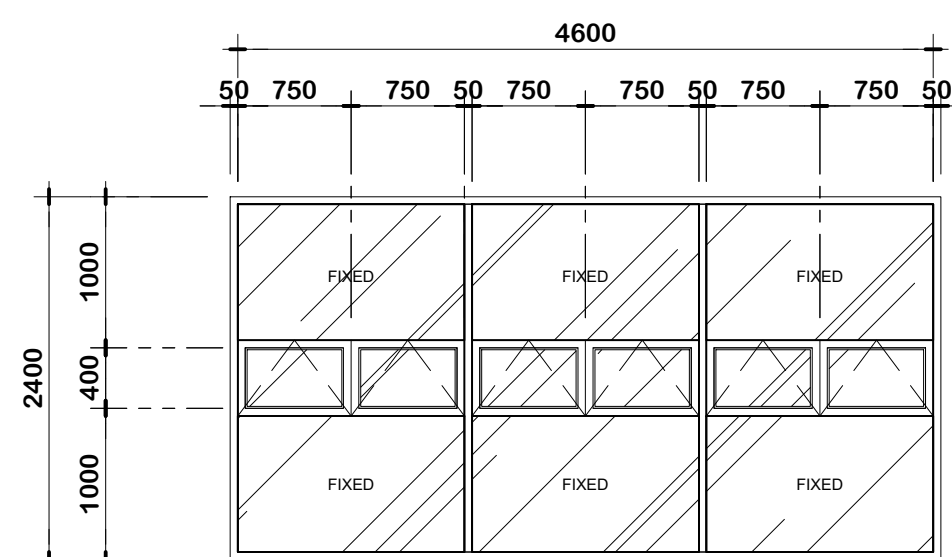
SCREEN
ALUMN. SCREEN ON 2" x 4" ALUMN. FRAMES;
POWDER COATED WHITE

CW-2
10mm. THK. GLASS ON FD-100;
POWDER COATED WHITE

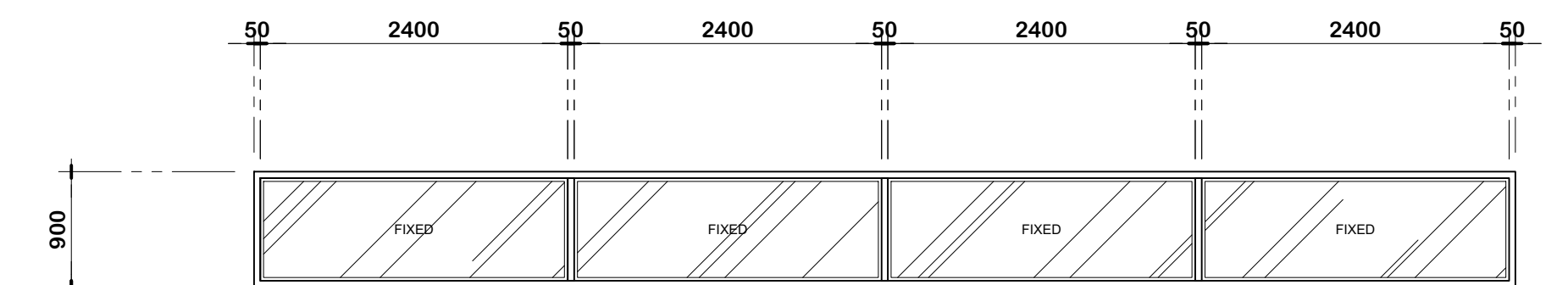
CW-3
10mm. THK. GLASS ON 2" x 4" ALUMN. FRAMES;
POWDER COATED WHITE w/
AWNING HATCH 1/4" GLASS ON 2" x 4" ALUMN. FRAMES;
POWDER COATED WHITE w/ SCREEN



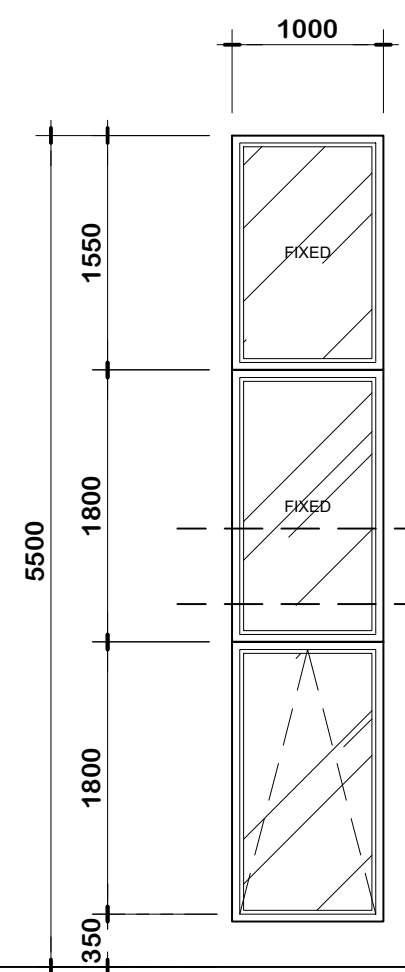
CW-4
10mm. THK. GLASS ON 2" x 4" ALUMN. FRAMES;
POWDER COATED WHITE w/
AWNING HATCH 1/4" GLASS ON 2" x 4" ALUMN. FRAMES;
POWDER COATED WHITE w/ SCREEN



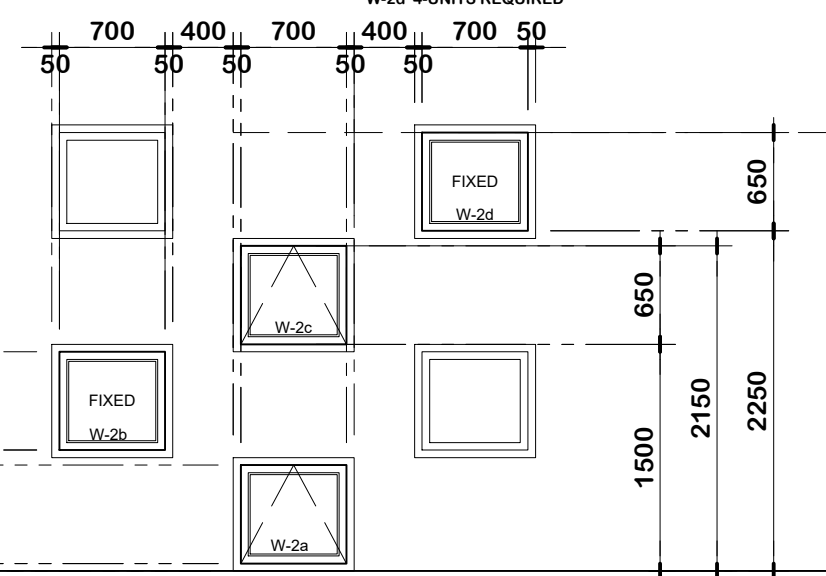
CW-5
10mm. THK. GLASS ON 2" x 4" ALUMN. FRAMES;
POWDER COATED WHITE w/
AWNING HATCH 1/4" GLASS ON 2" x 4" ALUMN. FRAMES;
POWDER COATED WHITE w/ SCREEN



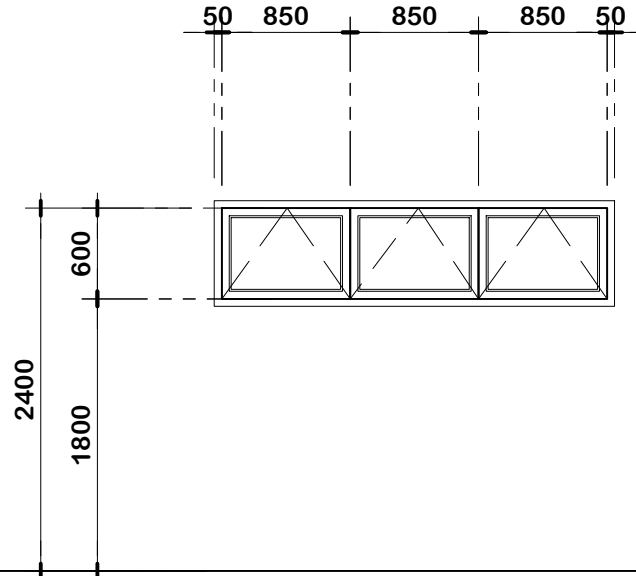
CL-W6
10mm. THK. GLASS ON 2" x 4" ALUMN. FRAMES;
ANALOK FIN.



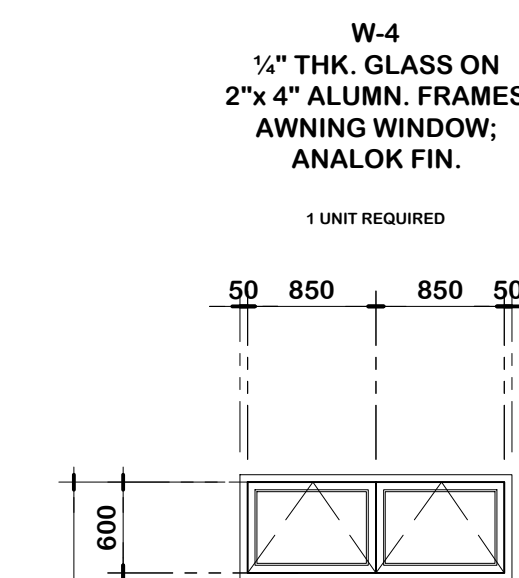
W-1
1/4" THK. GLASS ON
2" x 4" ALUMN. FRAMES
AWNING WINDOW;
ANALOK FIN.



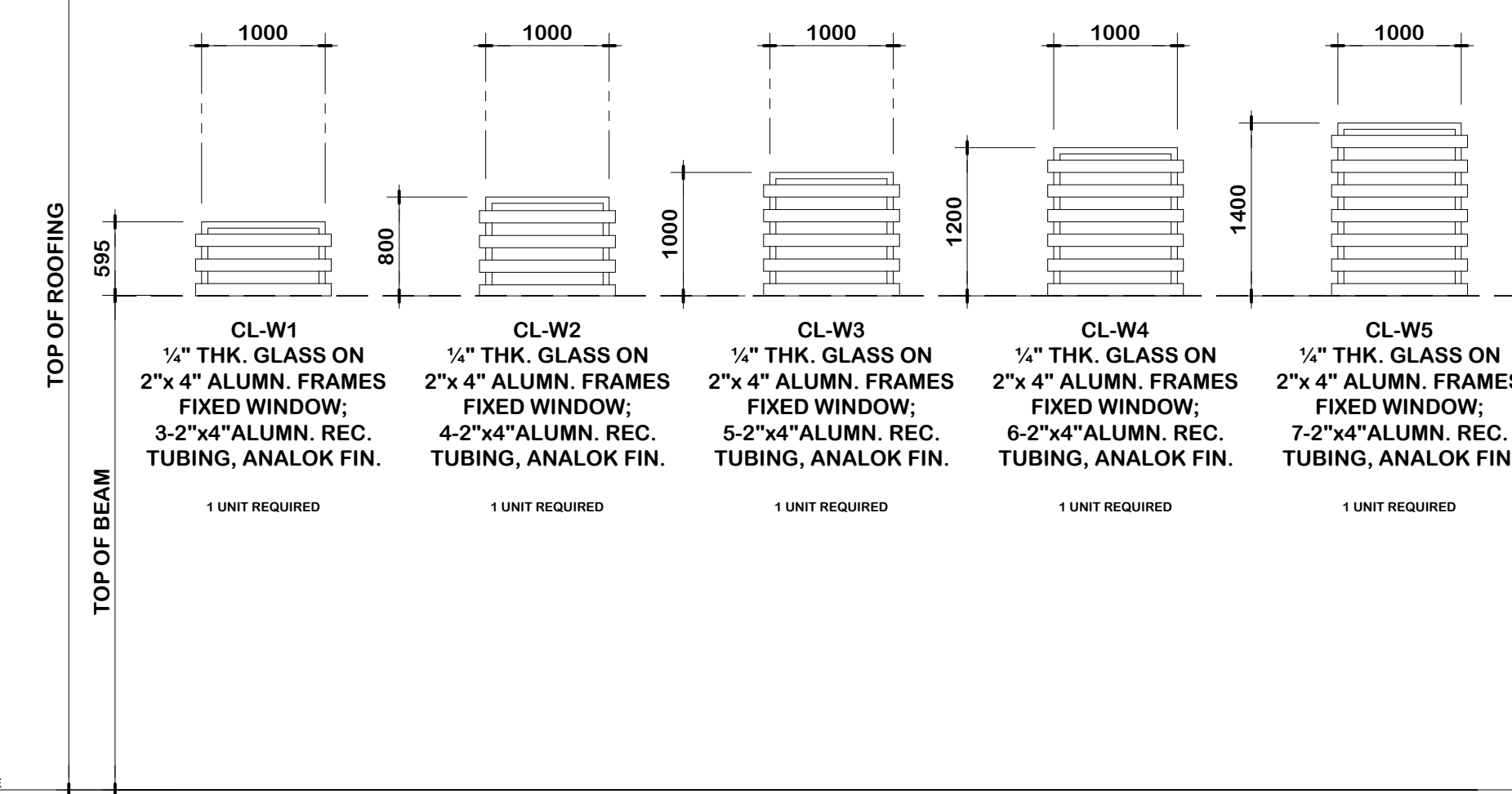
W-2
1/4" THK. GLASS ON
2" x 4" ALUMN. FRAMES
AWNING WINDOW;
ANALOK FIN.
(VER. ELEVATION FOR OPENING)
W-2a 11 UNITS REQUIRED
W-2b 10 UNITS REQUIRED
W-2c 11 UNITS REQUIRED
W-2d 4 UNITS REQUIRED



W-3
1/4" THK. GLASS ON
2" x 4" ALUMN. FRAMES
AWNING WINDOW;
ANALOK FIN.



W-4
1/4" THK. GLASS ON
2" x 4" ALUMN. FRAMES
AWNING WINDOW;
ANALOK FIN.



CL-W1
1/4" THK. GLASS ON
2" x 4" ALUMN. FRAMES
FIXED WINDOW;
3-2"x4"ALUMN. REC.
TUBING, ANALOK FIN.

CL-W2
1/4" THK. GLASS ON
2" x 4" ALUMN. FRAMES
FIXED WINDOW;
4-2"x4"ALUMN. REC.
TUBING, ANALOK FIN.

CL-W3
1/4" THK. GLASS ON
2" x 4" ALUMN. FRAMES
FIXED WINDOW;
5-2"x4"ALUMN. REC.
TUBING, ANALOK FIN.

CL-W4
1/4" THK. GLASS ON
2" x 4" ALUMN. FRAMES
FIXED WINDOW;
6-2"x4"ALUMN. REC.
TUBING, ANALOK FIN.

CL-W5
1/4" THK. GLASS ON
2" x 4" ALUMN. FRAMES
FIXED WINDOW;
7-2"x4"ALUMN. REC.
TUBING, ANALOK FIN.

01 SCHEDULE OF CURTAIN WALLS, WINDOWS & CLERESTORY WINDOWS

A-10 SCALE:

1:50



MICHAEL T. ANG, fuap
ARCHITECT

PRC: 8270
VALIDITY: 08 MAY 2018
IAPOA: 04440 141342 071614
O.R. | DATE: 141342 | 16JULY18
PTR: 7193602
DATE ISS: 10 JAN 2017
PLACE ISS: GSC
TIN: 123-875-856

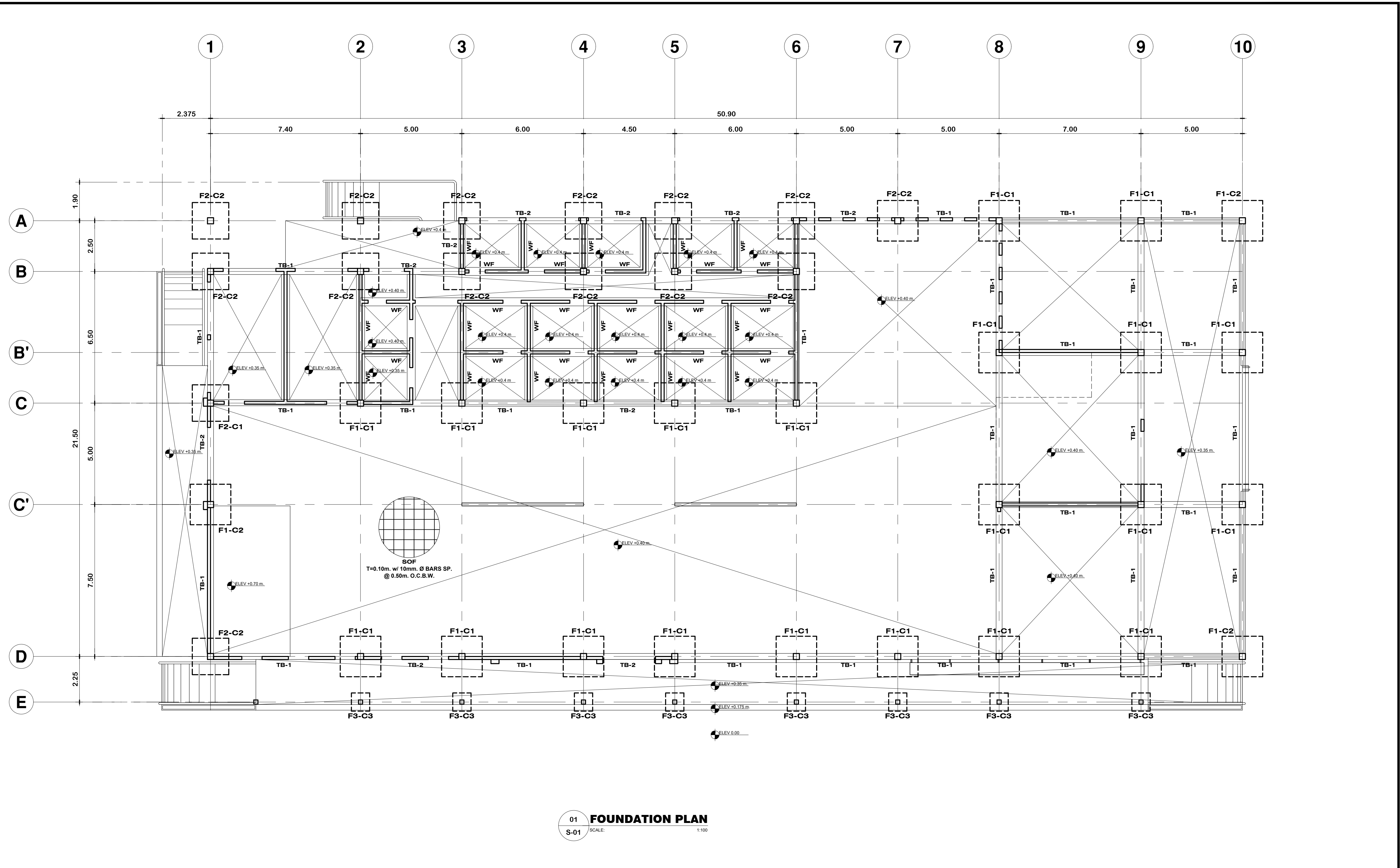
SECTION 33 of RA 9266 | Drawing & specifications & other contract documents duly signed, stamp or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not it shall be unlawful for any person to duplicate or to make copies of said documents for use in the repetition of & for other projects or buildings, whether executed party or in whole, without the written consent of architect or author of said documents.

PROJECT TITLE / LOCATION
PROPOSED CANTEEN AND STUDENT ACTIVITY CENTER
PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

APPROVED BY
CHUCHI P. GARNERA, PH.D.
OWNER
ADDRESS: PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

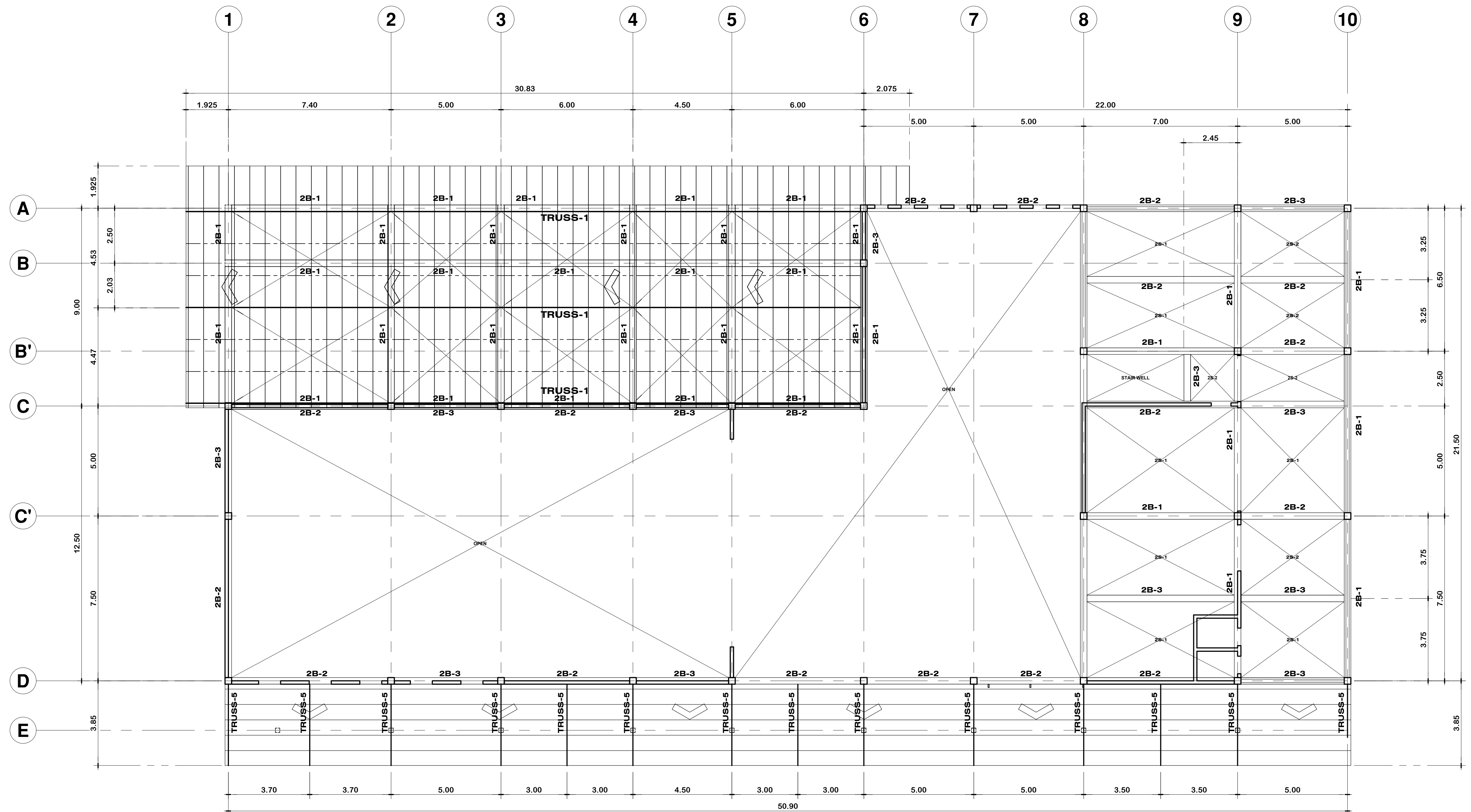
PREPARED BY:
CYRIL LLOYD OMANDAM
DRAFTING STAFF
CHECKED BY:
NELSON LEANDRO R. BRETANA, uap
JUNIOR ARCHITECT

SHEET NO.
A- 10
10 33



01 FOUNDATION PLAN
S-01 SCALE: 1:100

<p>PLANS • DESIGN • ESTIMATE • CONSTRUCTION MANAGEMENT DESIGNS • BLDG. PLUMBING DESIGN</p> <p>27 P. ACHARON BOULEVARD, BRGY. DAD, SOUTH, GEN. SANTOS CITY ☎ No: 301-1917</p>	<p>MICHAEL T. ANG, fuap ARCHITECT</p>	<p>PRC: 8270 VALIDITY: 08 MAY 2018 IAPOA: 04440 141342 071614 O.R. DATE: 141342 16JULY15 PTR: 7193602 DATE ISS.: 10 JAN 2017 PLACE ISS.: GSC TIN: 123-875-856</p>	<p>SECTION 33 of RA 9266 Drawing & specifications & other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not it shall be unlawful for any person to duplicate or to make copies of said documents for use in the repetition of & for other projects or buildings, whether executed partly or in whole, without the written consent of architect or author of said documents.</p>	<p>JAMES P. PACIS, PICE, ASEP CIVIL/STRUCTURAL ENGINEER</p> <p>PRC: 52853 ASEP: 52853-111 PTR No.: 7212176 DATE: 01/11/17 ISS. AT: G.S.C. TIN No.: 102-900-986</p>	<p>PROJECT TITLE / LOCATION PROPOSED CANTEEN AND STUDENT ACTIVITY CENTER PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY</p>	<p>APPROVED BY CHUCHI P. GARNERA, PH.D. OWNER</p> <p>ADDRESS: PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY</p>	<p>PREPARED BY: CYRIL LLOYD OMANDAM DRAFTING STAFF</p> <p>CHECKED BY: NELSON LEANDRO R. BRETANA, uap JUNIOR ARCHITECT</p>	<p>SHEET NO. S- 01 11 33</p>
		<p>FILE NAME: MTA17-020-PhilSci_CANTEEN.dwg August 18, 2017</p>						



01 MEZZANINE FLOOR FRAMING PLAN
S-02 SCALE: 1:100

- PURLINS:**
- 1.50mm. x 2" x 6" C-PURLINS w/ SAGROD @ MIDDLE THIRD
 - 16mm. Ø CROSS BRACE w/ CLOSE TURNBUCKLE
 - PROVIDE 4.5mm. x 2" ANGLE PURLIN CLEATS

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architectural designs
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27 P. ACHARON BOULEVARD, BRGY. DAD. SOUTH, GEN. SANTOS CITY ☎ No: 301-1917

MICHAEL T. ANG, fuap
ARCHITECT

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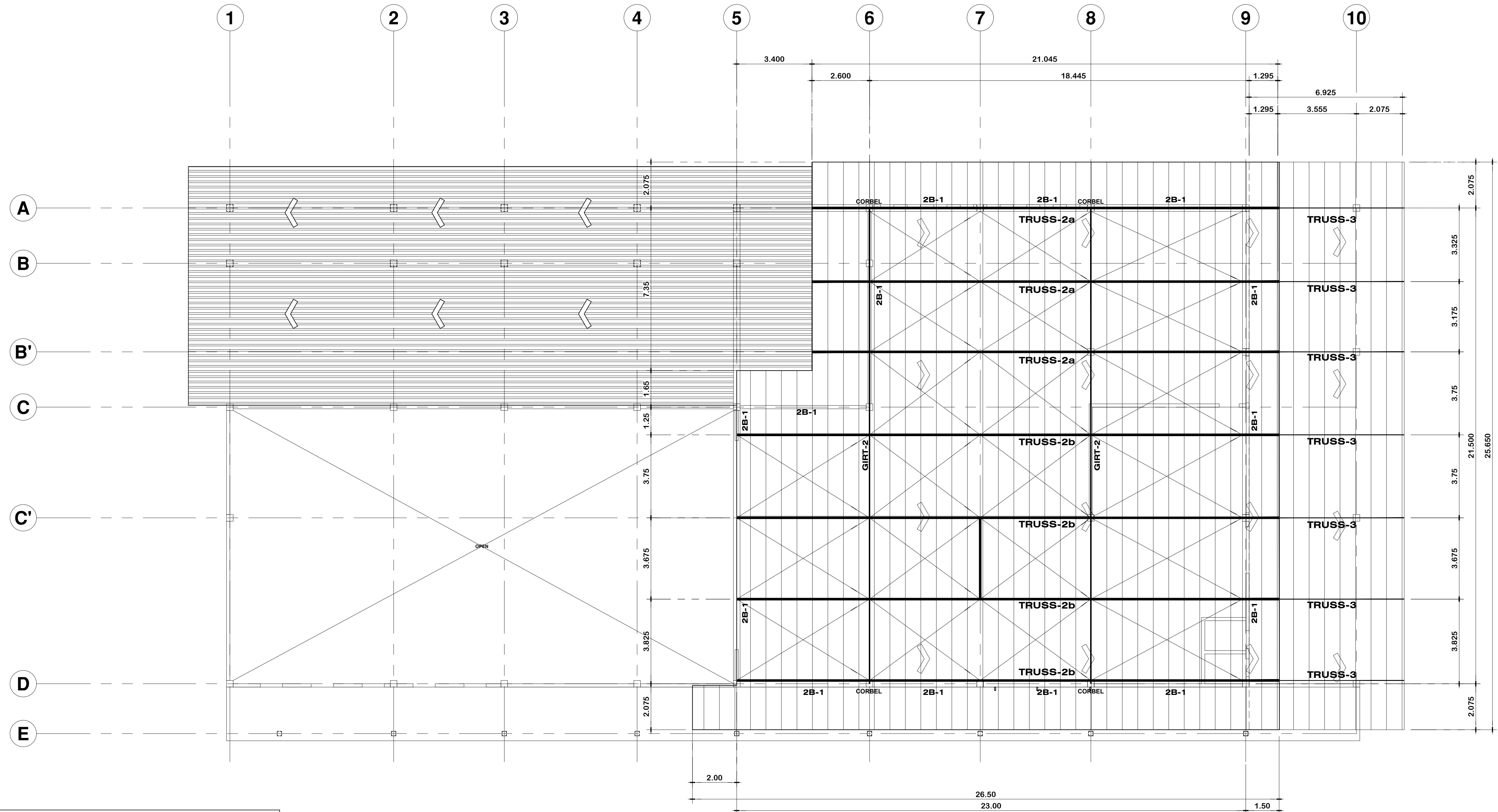
JAMES P. PACIS, PICE, ASEP
CIVIL/STRUCTURAL ENGINEER
PRC: 52853 ASEP: 52853-111
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PREPARED BY:
CYRIL LLOYD OMANDAM
DRAFTING STAFF
CHECKED BY:
NELSON LEANDRO R. BRETANA, uap
JUNIOR ARCHITECT

SHEET NO.
S- 02
12 33



- PURLINS:**
- 1.50mm. x 2" x 6" C-PURLINS w/ SAGROD @ MIDDLE THIRD
 - 16mm. Ø CROSS BRACE w/ CLOSE TURNBUCKLE
 - PROVIDE 4.5mm. x 2" ANGLE PURLIN CLEATS

01 LOWER ROOF FRAMING PLAN
 S-03 SCALE: 1:100

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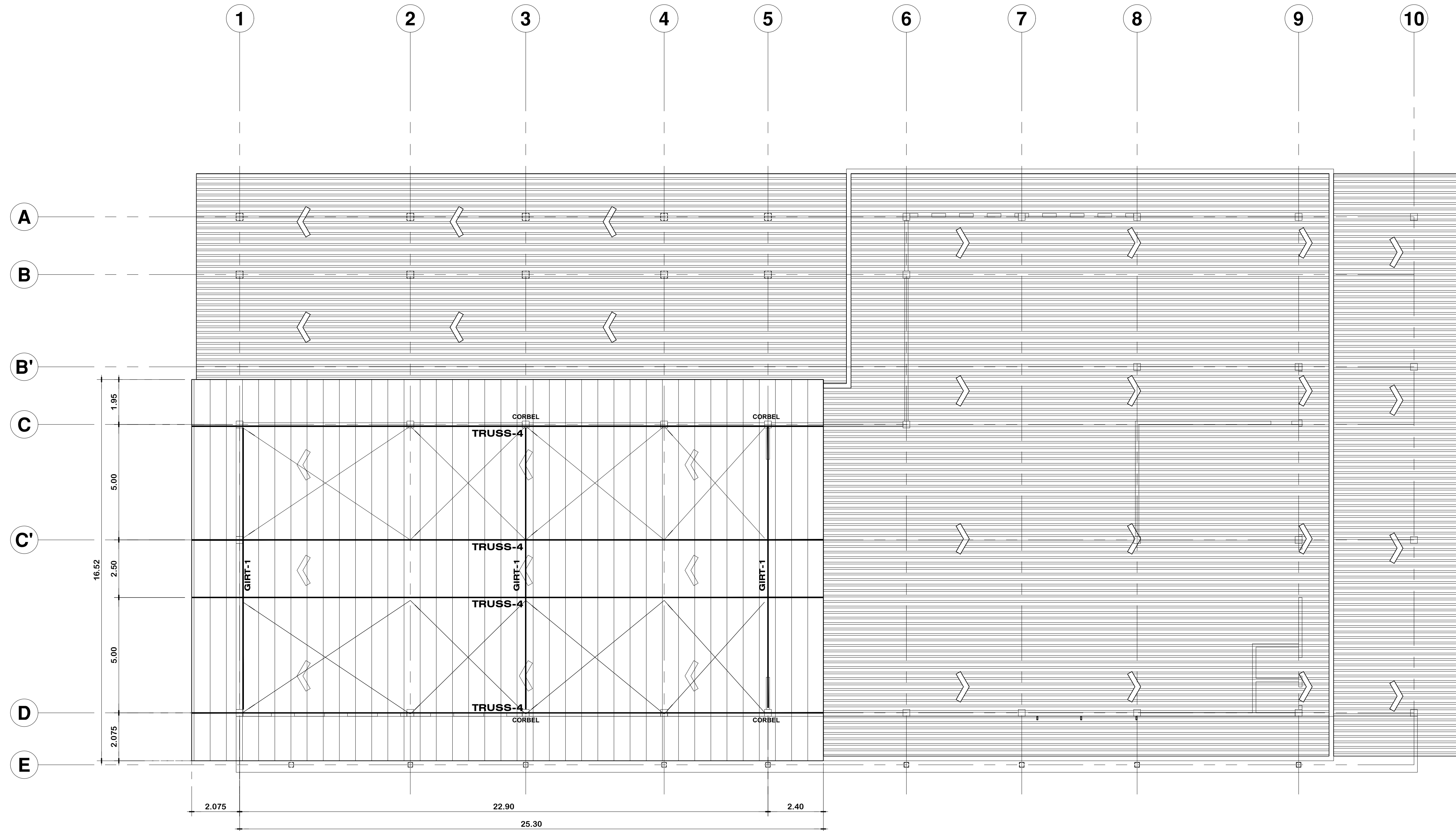
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PREPARED BY:
CYRIL LLOYD OMANDAM
 DRAFTING STAFF
CHECKED BY:
NELSON LEANDRO R. BRETAÑA, uap
 JUNIOR ARCHITECT

SHEET NO.	
S- 03	
13	33



- PURLINS:**
- 1.50mm. x 2" x 6" C-PURLINS w/ SAGROD @ MIDDLE THIRD
 - 16mm. Ø CROSS BRACE w/ CLOSE TURNBUCKLE
 - PROVIDE 4.5mm. x 2" ANGLE PURLIN CLEATS

01 UPPER ROOF FRAMING PLAN
 S-04 SCALE: 1:100

M.T. Ang
 architectural designs
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 27 P. ACHARON BOULEVARD, BRGY. DAD. SOUTH, GEN. SANTOS CITY ☎ No: 301-1917

MICHAEL T. ANG, fuap
 ARCHITECT

PRC:	8270
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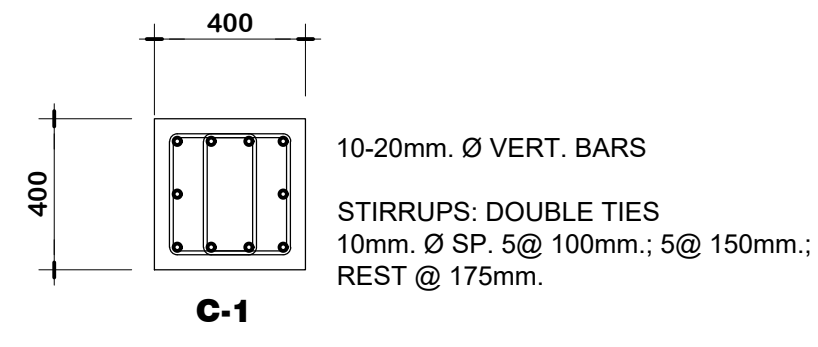
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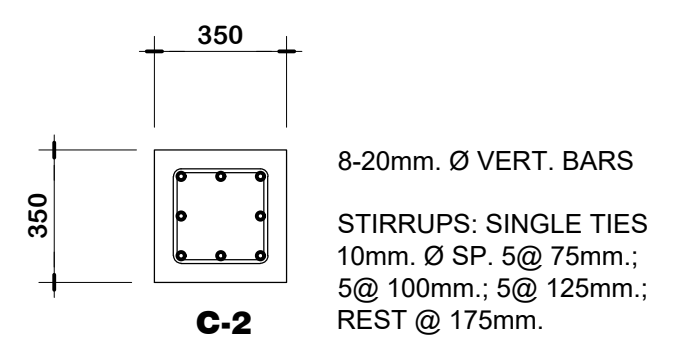
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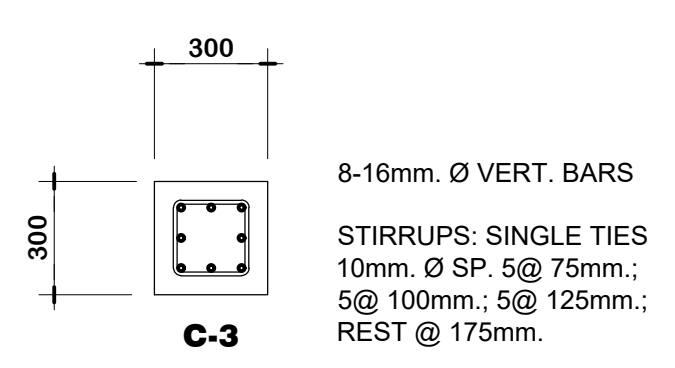
SHEET NO.	
S- 04	
14	33



C-1

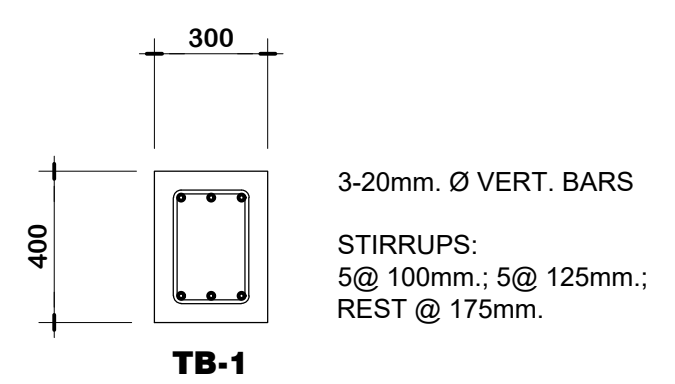


C-2

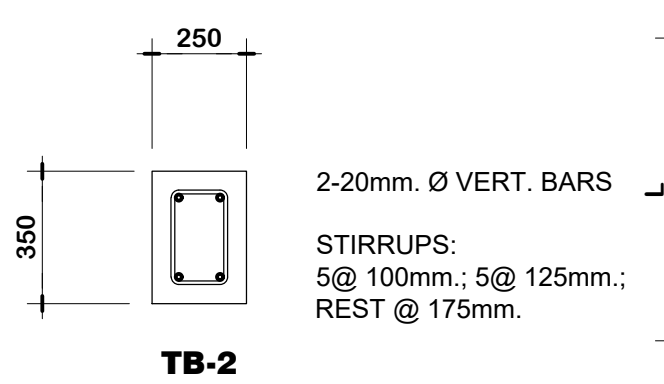


C-3

01 SCHEDULE OF COLUMN
S-05 SCALE: 1:20

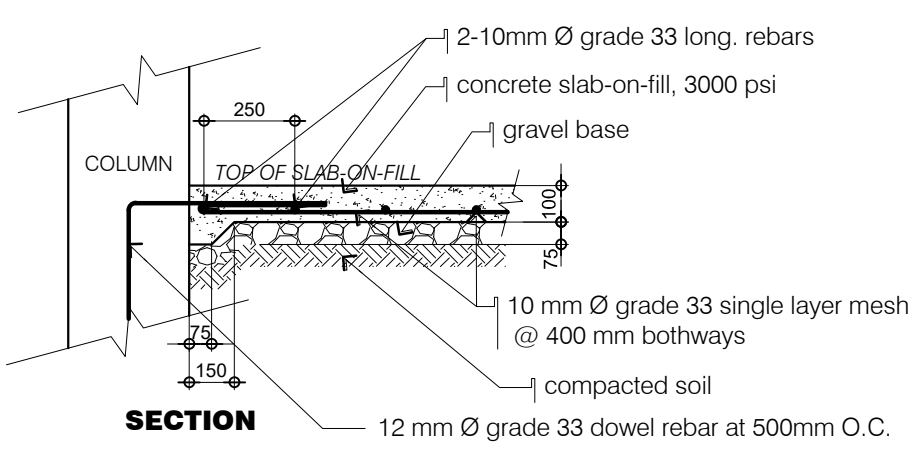


TB-1

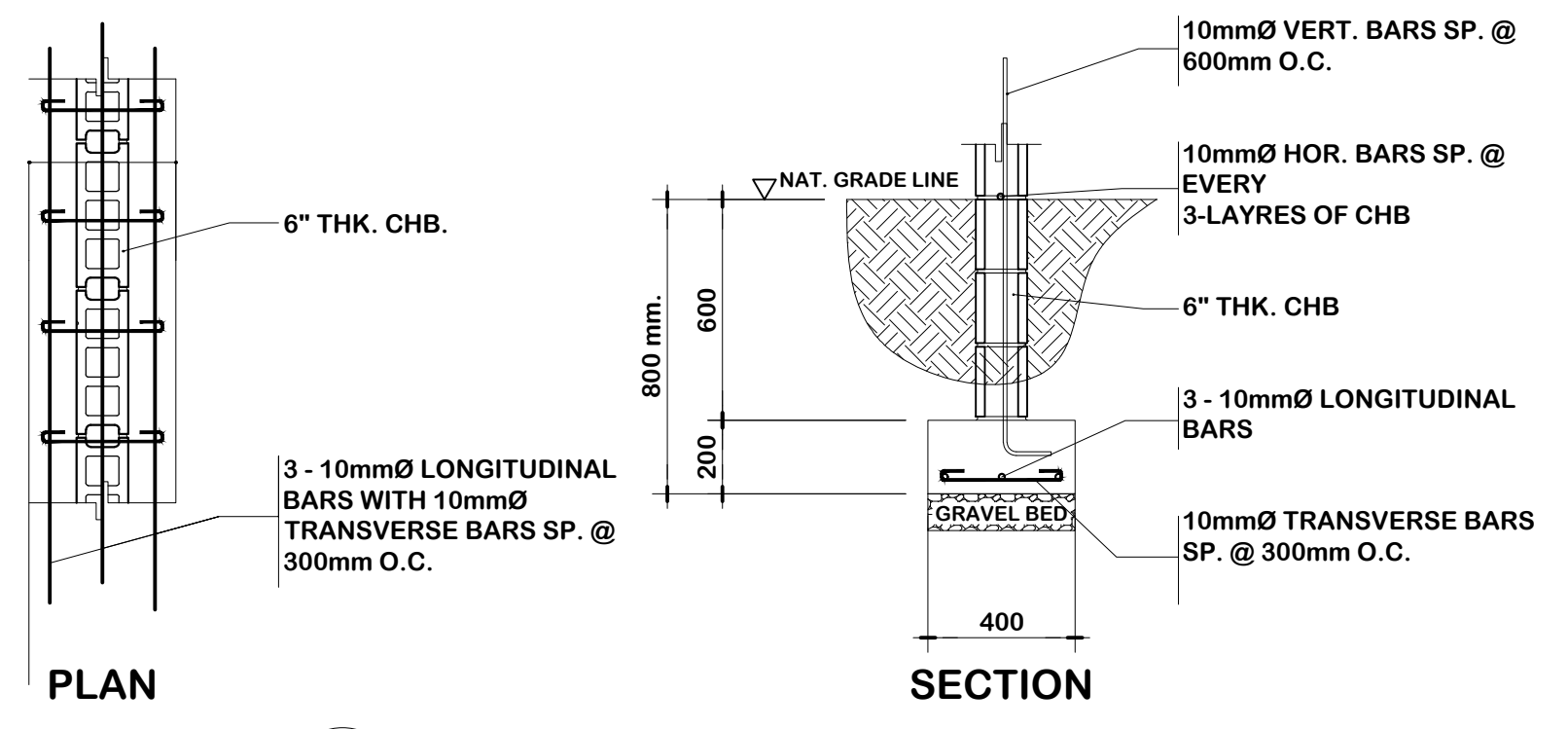


TB-2

02 SCHEDULE OF TIE BEAM
S-05 SCALE: 1:20



03 SLAB-ON-FILL DETAIL
S-05 SCALE: 1:25

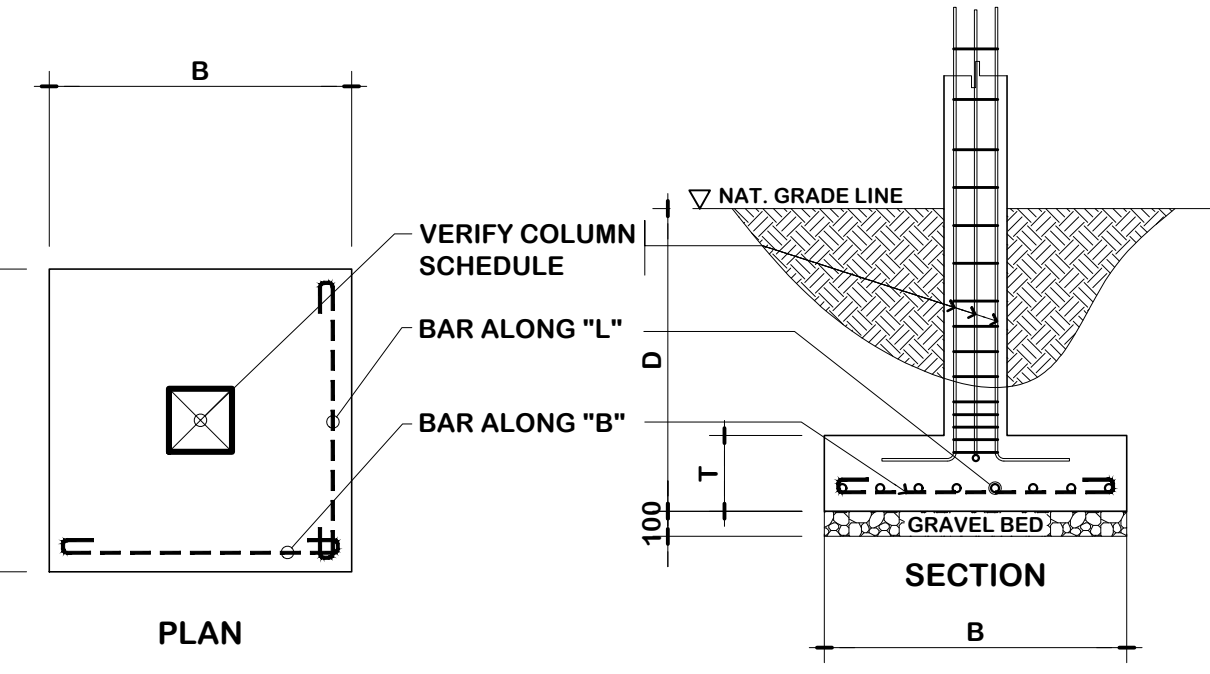


PLAN

SECTION

04 WALL FOOTING DETAIL
S-05 SCALE: 1:30

DESIGNATION	FOOTING DIMENSION			DEPTH	REINFORCEMENT		TYPE
	L (m)	W (m)	T (m)		ALONG (L)	ALONG (W)	
F1	2.00	2.00	0.35	2.00	16mm. ϕ @ 200mm.	16mm. ϕ @ 200mm.	ISOLATE
F2	1.80	1.80	0.30	2.00	16mm. ϕ @ 250mm.	16mm. ϕ @ 250mm.	ISOLATE
F3	0.90	0.90	0.25	2.00	12mm. ϕ @ 200mm.	12mm. ϕ @ 200mm.	ISOLATE



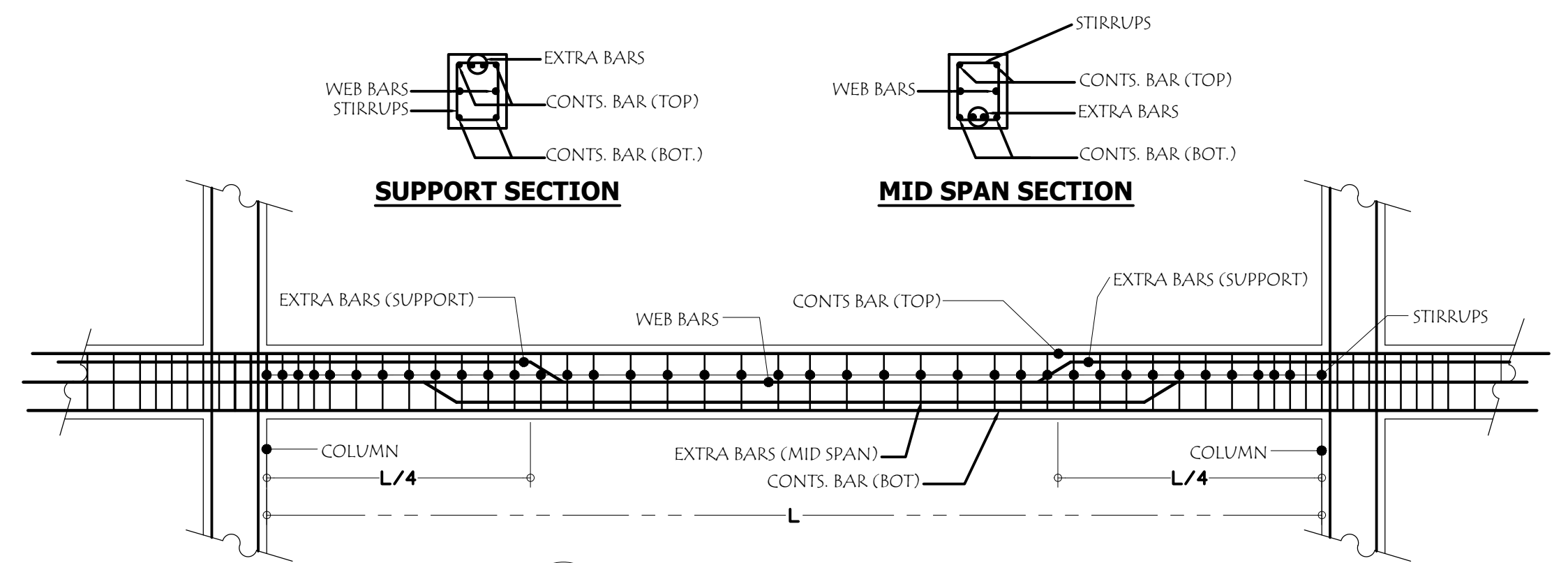
PLAN

SECTION

05 TYPICAL FOOTING-COLUMN DETAIL
S-05 SCALE: 1:30

SLAB	T (mm.)	ALONG SHORT DIRECTION		ALONG LONG DIRECTION		TYPE
		MAIN BARS	TEMPERATURE BARS	MAIN BARS	TEMPERATURE BARS	
S.O.F	100	10mm. ϕ BEDBARS SPACED @ 500mm. ON CENTER BOTHWAYS				SLAB ON FILL
S1	125	12mm. ϕ CONT BARS @ 0.24m w/ 12mm ϕ CUT BARS IN BETWEEN	12mm. ϕ TEMP BARS @ 0.24 m. O.C. B.W.	12mm. ϕ CONT BARS @ 0.24m w/ 12mm ϕ CUT BARS IN BETWEEN	12mm. ϕ TEMP BARS @ 0.24 m. O.C. B.W.	2-WAY SLAB
S2	125	12mm. ϕ CONT BARS @ 0.24m w/ 10mm ϕ CUT BARS IN BETWEEN	12mm. ϕ TEMP BARS @ 0.24 m. O.C. B.W.	12mm. ϕ CONT BARS @ 0.24m w/ 10mm ϕ CUT BARS IN BETWEEN	12mm. ϕ TEMP BARS @ 0.24 m. O.C. B.W.	2-WAY SLAB

SCHEDULE OF SLABS



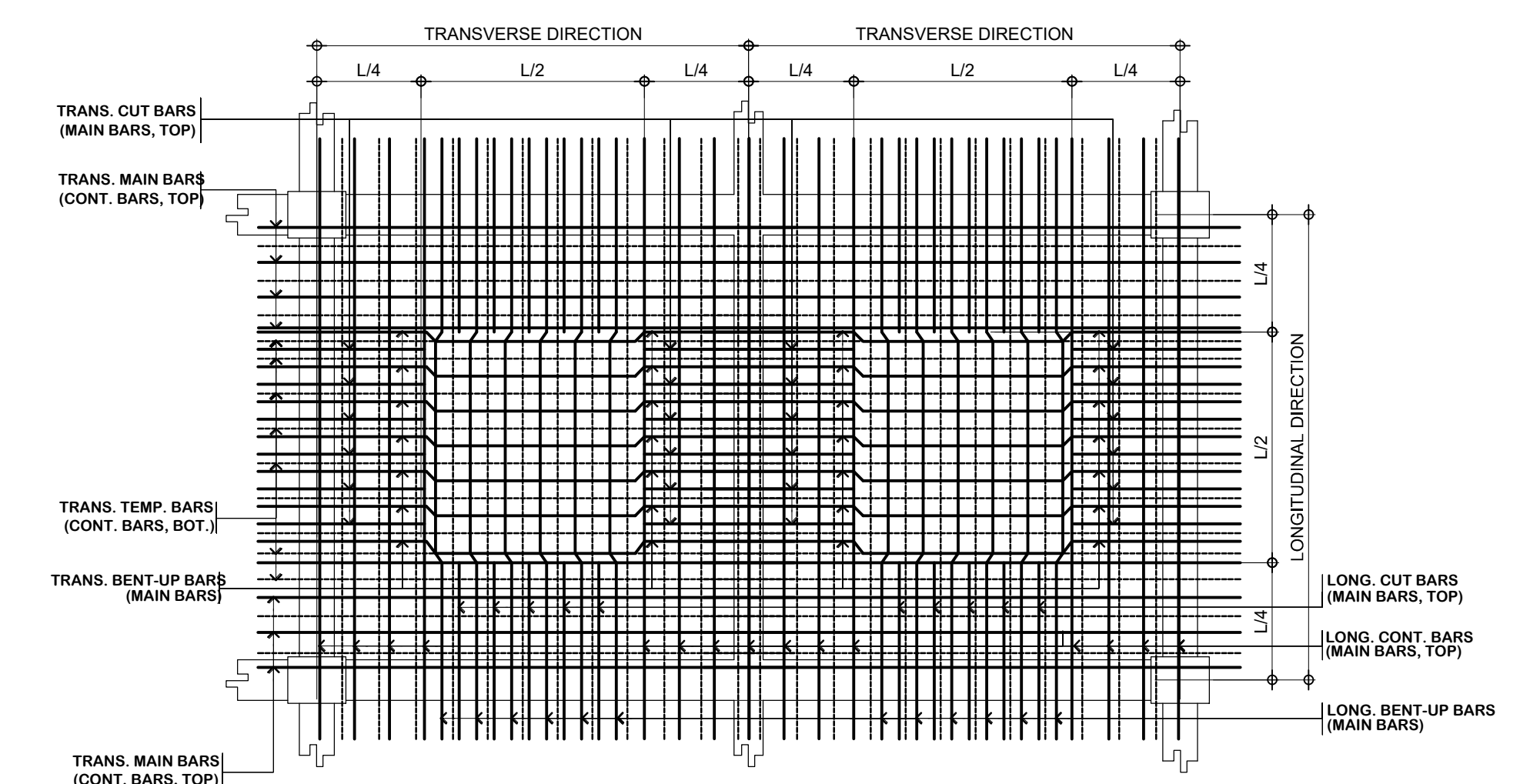
SUPPORT SECTION

MID SPAN SECTION

06 TYPICAL BEAM DETAIL
S-05 SCALE: NTS

	DIMENSION		SUPPORT	MID-SPAN	WEB BARS	STIRRUPS
	B	D				
2B-1	350	500	3-25mm ϕ CB + 3-20mm ϕ EB	3-25mm ϕ CB	2-16mm ϕ CB	5 @ 0.075m., 5 @ 0.10m., 5 @ 0.125m., REST @ 0.15m. O.C.
			3-25mm ϕ CB	3-25mm ϕ CB + 3-20mm ϕ EB		
2B-2	300	500	2-25mm ϕ CB + 2-20mm ϕ EB	2-25mm ϕ CB	2-16mm ϕ CB	5 @ 0.075m., 5 @ 0.10m., 5 @ 0.125m., REST @ 0.15m. O.C.
			2-25mm ϕ CB	2-25mm ϕ CB + 2-20mm ϕ EB		
2B-3	250	400	3-20mm ϕ CB + 2-20mm ϕ EB	2-16mm ϕ CB	2-16mm ϕ CB	5 @ 0.075m., 5 @ 0.10m., 10 @ 0.125m., REST @ 0.15m. O.C.
			2-16mm ϕ CB	3-20mm ϕ CB + 2-20mm ϕ EB		
TB-1	300	400	TOP	BOTTOM	2-16mm ϕ CB	5 @ 0.10m., 5 @ 0.125m., REST @ 0.15m. O.C.
			3-20mm. CB	3-20mm. CB		
TB-2	250	350	TOP	BOTTOM	2-20mm. CB	5 @ 0.10m., 5 @ 0.125m., REST @ 0.15m. O.C.
			2-20mm. CB	2-20mm. CB		

SCHEDULE OF BEAM



07 TYPICAL TWO-WAY SLAB DETAIL
S-05 SCALE: NTS

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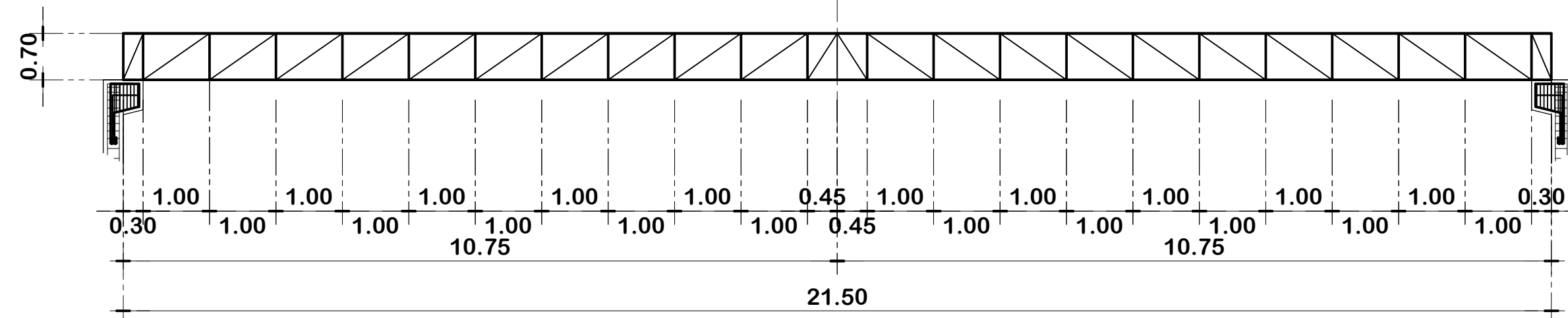
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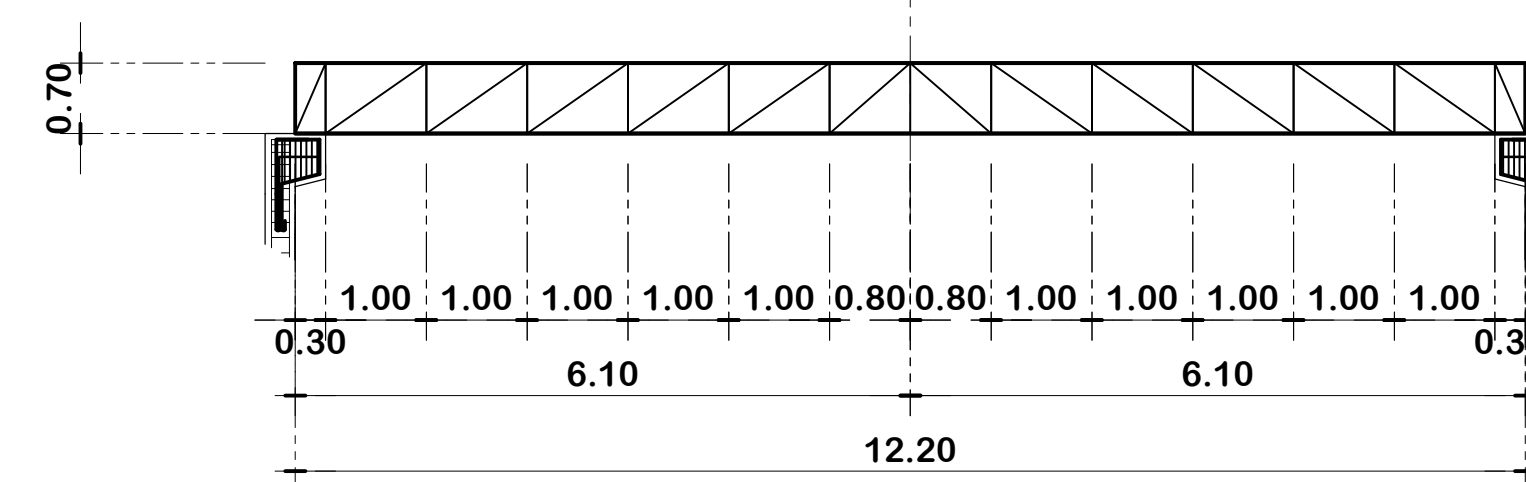
SHEET NO.
S-05
15 33

- PURLINS:**
- 1.50mm. x 2" x 6" C-PURLINS w/ SAGROD @ MIDDLE THIRD
 - 16mm. Ø CROSS BRACE w/ CLOSE TURNBUCKLE
 - PROVIDE 4.5mm. x 2" ANGLE PURLIN CLEATS



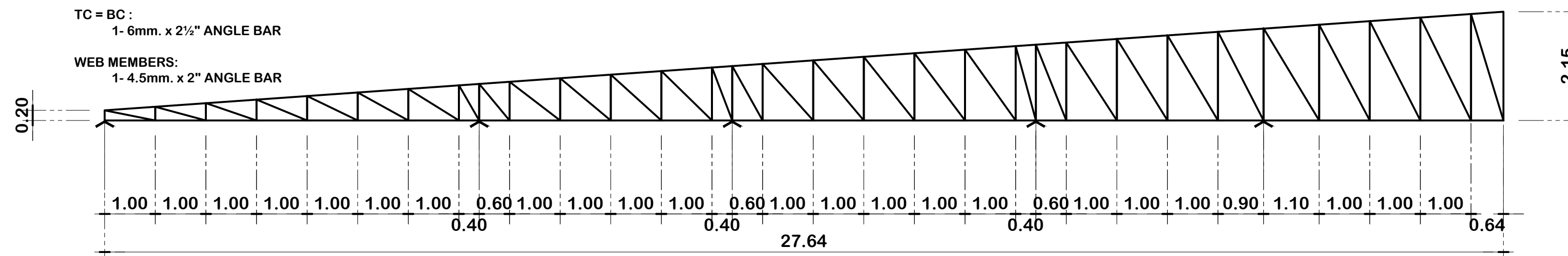
01 GIRT-2 DETAIL
S-06 SCALE: 1:75

- TC = BC = END VERT. MEMBER :**
2- 6mm. x 2½" ANGLE BAR
- WEB MEMBERS:**
- 2-4.5mm. x 2" ANGLE BAR
- PLATE CONNECTOR:**
-6mm. THK. PLATE



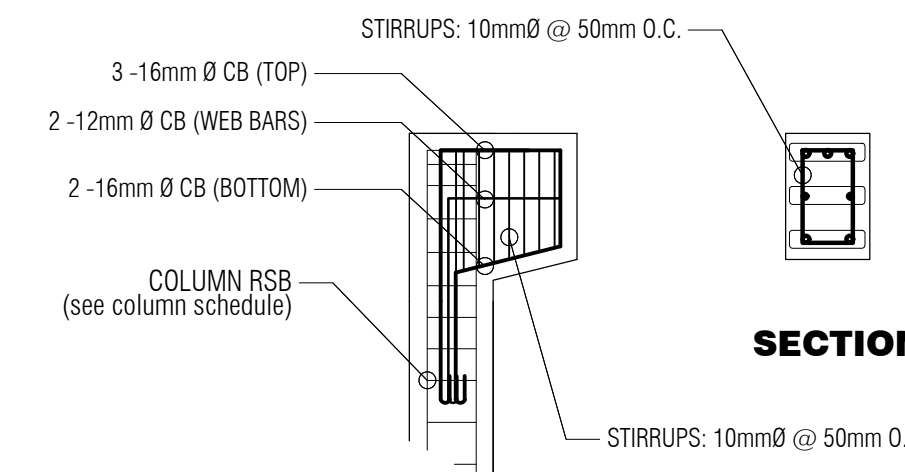
02 GIRT-1 DETAIL
S-06 SCALE: 1:75

- TC = BC = END VERT. MEMBER :**
2- 6mm. x 3" ANGLE BAR
- WEB MEMBERS:**
- 2-4.5mm. x 2" ANGLE BAR
- PLATE CONNECTOR:**
-6mm. THK. PLATE=

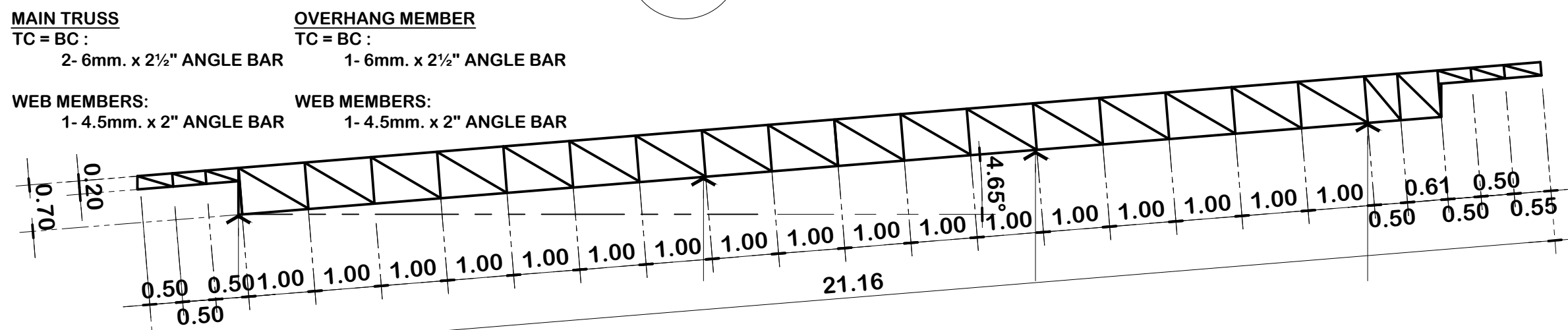


03 TRUSS-1 DETAIL
S-06 SCALE: 1:75

- TC = BC :**
1- 6mm. x 2½" ANGLE BAR
- WEB MEMBERS:**
1- 4.5mm. x 2" ANGLE BAR

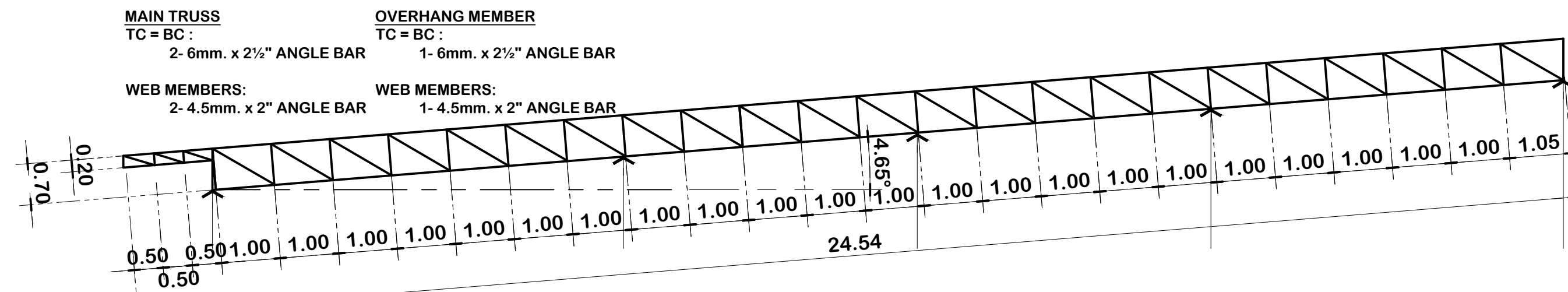


04 CORBEL DETAIL
S-06 SCALE: 1:10



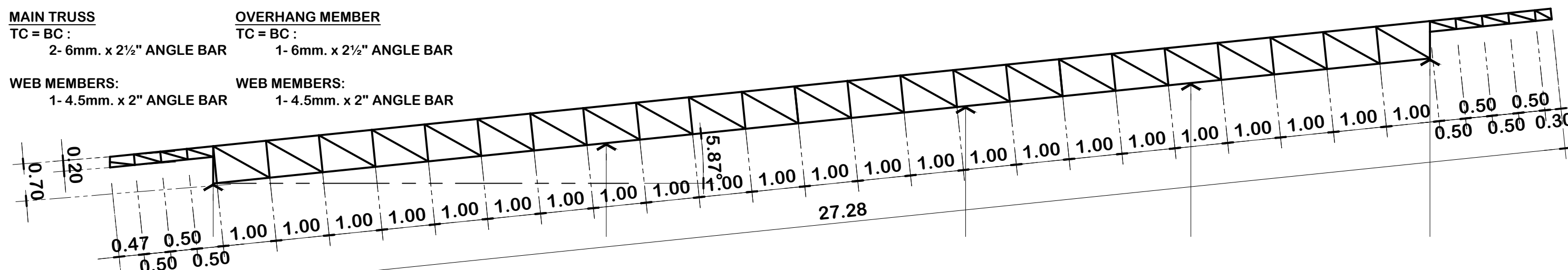
05 TRUSS-2a DETAIL
S-06 SCALE: 1:75

- MAIN TRUSS**
TC = BC :
2- 6mm. x 2½" ANGLE BAR
- OVERHANG MEMBER**
TC = BC :
1- 6mm. x 2½" ANGLE BAR
- WEB MEMBERS:**
1- 4.5mm. x 2" ANGLE BAR
- WEB MEMBERS:**
1- 4.5mm. x 2" ANGLE BAR



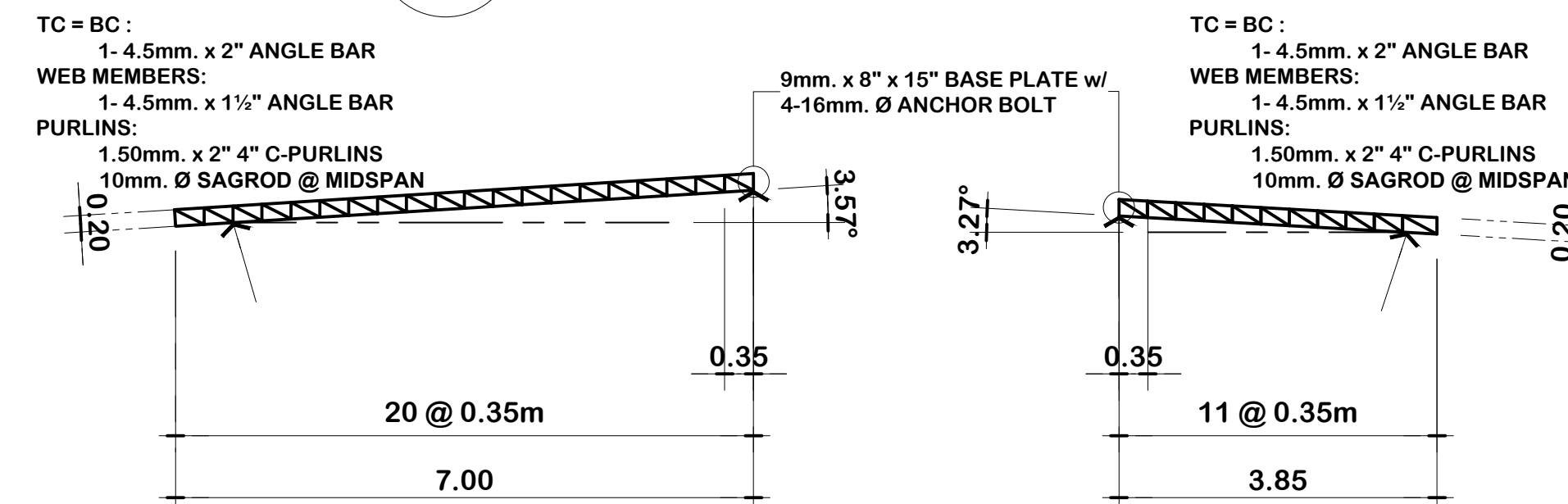
06 TRUSS-2b DETAIL
S-06 SCALE: 1:75

- MAIN TRUSS**
TC = BC :
2- 6mm. x 2½" ANGLE BAR
- OVERHANG MEMBER**
TC = BC :
1- 6mm. x 2½" ANGLE BAR
- WEB MEMBERS:**
2- 4.5mm. x 2" ANGLE BAR
- WEB MEMBERS:**
1- 4.5mm. x 2" ANGLE BAR



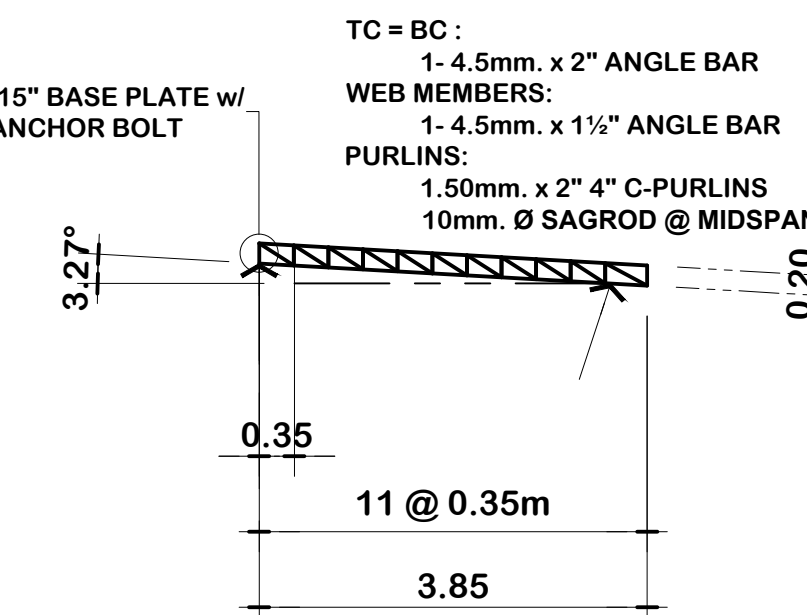
07 TRUSS-4 DETAIL
S-06 SCALE: 1:75

- MAIN TRUSS**
TC = BC :
2- 6mm. x 2½" ANGLE BAR
- OVERHANG MEMBER**
TC = BC :
1- 6mm. x 2½" ANGLE BAR
- WEB MEMBERS:**
1- 4.5mm. x 2" ANGLE BAR
- WEB MEMBERS:**
1- 4.5mm. x 2" ANGLE BAR



08 TRUSS-3 DETAIL
S-06 SCALE: 1:75

- TC = BC :**
1- 4.5mm. x 2" ANGLE BAR
- WEB MEMBERS:**
1- 4.5mm. x 1½" ANGLE BAR
- PURLINS:**
1.50mm. x 2" 4" C-PURLINS
10mm. Ø SAGROD @ MIDSPAN



09 TRUSS-5 DETAIL
S-06 SCALE: 1:75

- TC = BC :**
1- 4.5mm. x 2" ANGLE BAR
- WEB MEMBERS:**
1- 4.5mm. x 1½" ANGLE BAR
- PURLINS:**
1.50mm. x 2" 4" C-PURLINS
10mm. Ø SAGROD @ MIDSPAN

M.T. Ang
architectural designs

PLAN • DESIGN • ESTIMATE • CONSTRUCTION MANAGEMENT
DESIGNS • PLUMBING DESIGN

27 P. ACHARON BOULEVARD, BRGY. DAD. SOUTH, GEN. SANTOS CITY ☎ No: 301-1917

MICHAEL T. ANG, fuap
ARCHITECT

PRC:	8270
VALIDITY:	08 MAY 2018
IAPOA:	04440 141342 071614
O.R. DATE:	141342 16JULY16
PTR:	7193602
DATE ISS:	10 JAN 2017
PLACE ISS:	GSC
TIN:	123-875-856

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JAMES P. PACIS, PICE, ASEP	
CIVIL/STRUCTURAL ENGINEER	
PRC: 52853	ASEP: 52853-111
PTR No.: 7212176	DATE: 01/11/17
ISS. AT: G.S.C.	T I N No.:102-900-986

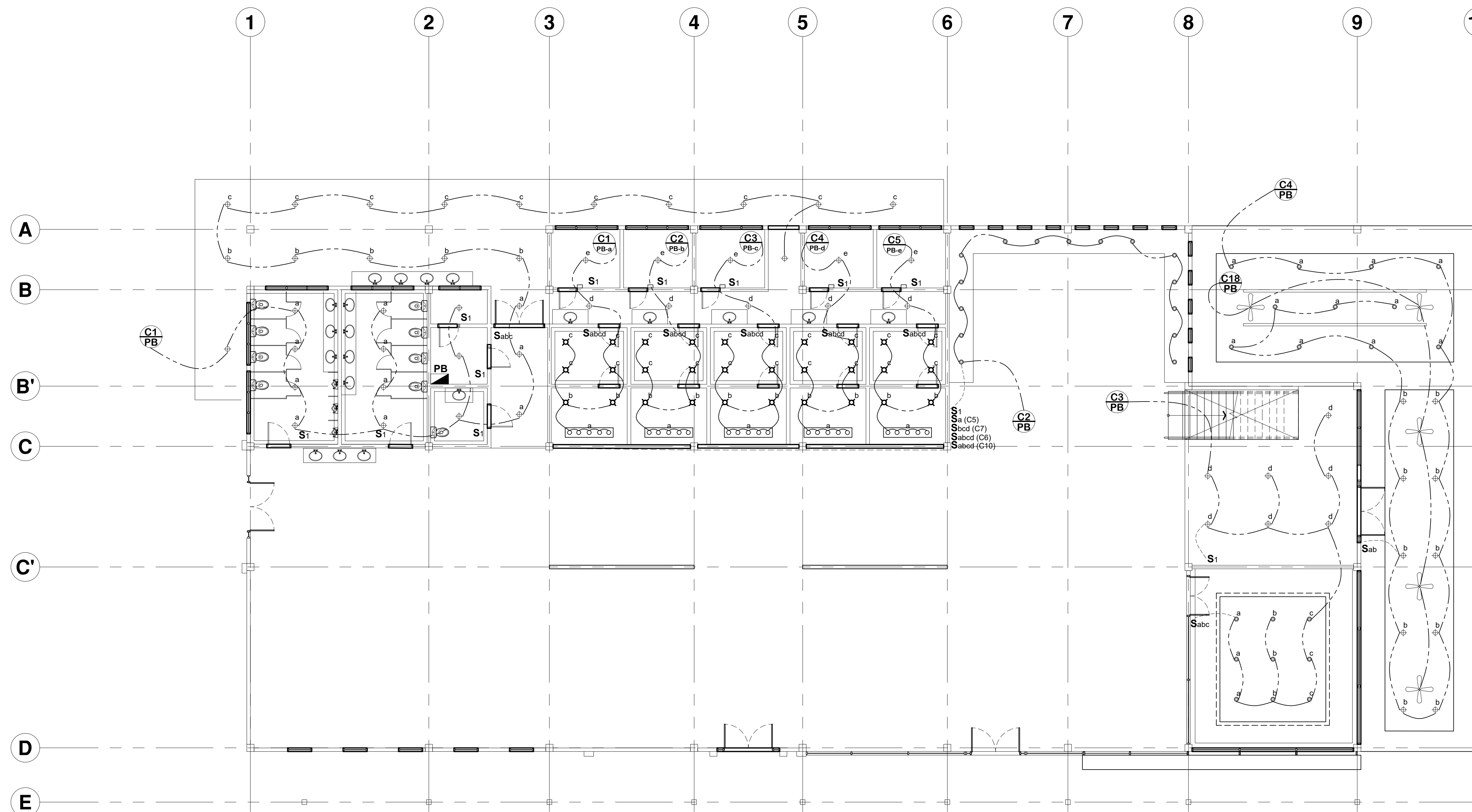
PROPOSED CANTEN AND STUDENT ACTIVITY CENTER
PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

APPROVED BY
CHUCHI P. GARNERA, PH.D.
OWNER
ADDRESS: PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

PREPARED BY:
CYRIL LLOYD OMANDAM
DRAFTING STAFF
CHECKED BY:
NELSON LEANDRO R. BRETAÑA, uap
JUNIOR ARCHITECT

SHEET NO.
S-06
16 33

LEGEND:	
	1 x 18w PINLIGHT
	DUPLEX CONV. OUTLET
	AIRCON. OUTLET
	CIRCUIT HOMERUN
	PANEL BOARD
	ELECT. METER
	1-40w FLUORESCENT LAMP
	EMERGENCY LIGHT
	EXHAUST FAN



01 **GROUND FLOOR LIGHTING LAYOUT PLAN**
E-01 SCALE: 1:100

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FERNANDO G. OCAT
PROF. ELECTRICAL ENGINEER
PRC Reg.No.: 2228 PTR No.: 7178915
TIN No.: 130-297-471 Date: 1/06/17 Iss.: GSC

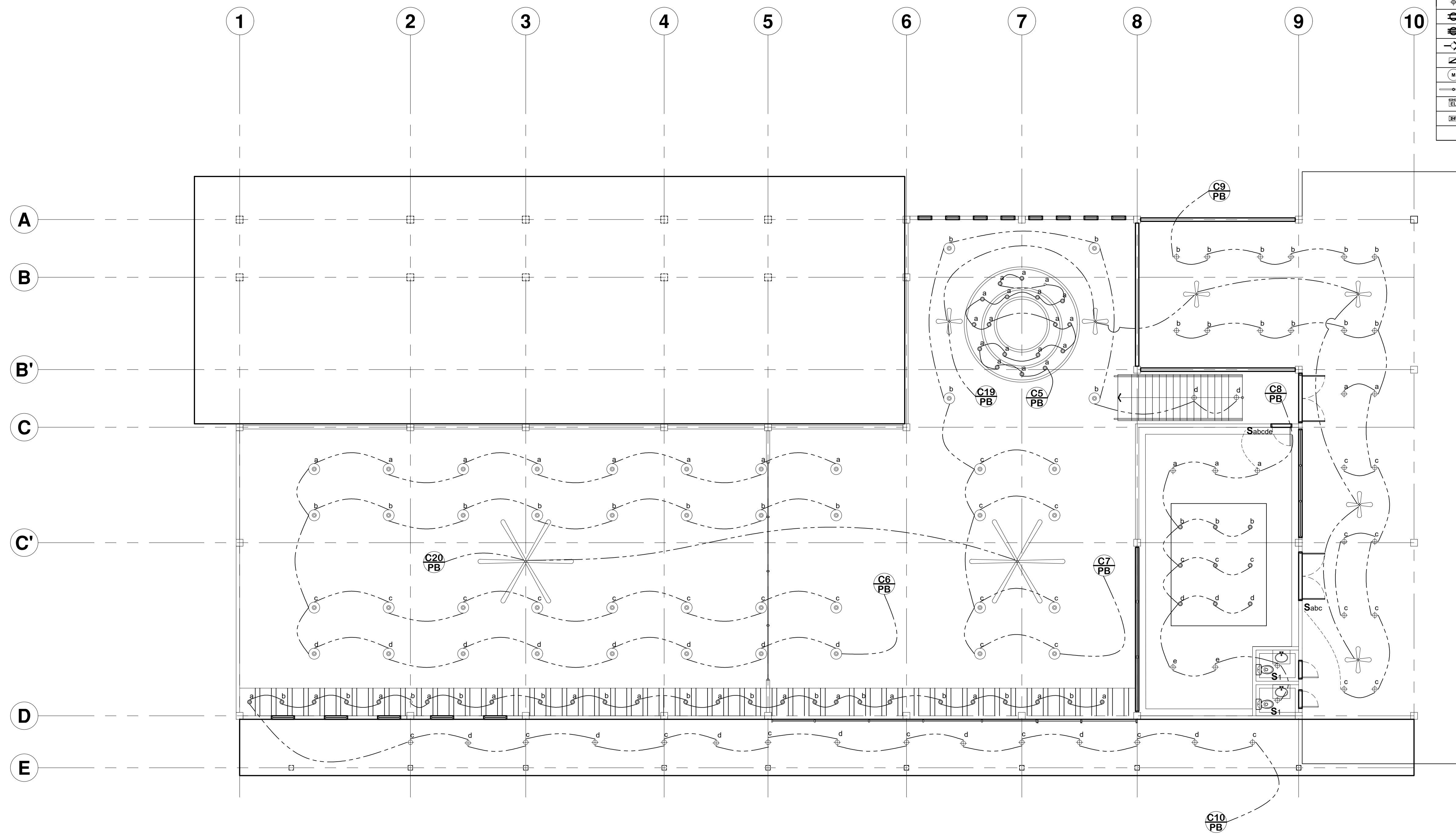
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CHECKED BY:
NELSON LEANDRO R. BRETANA, uap
JUNIOR ARCHITECT

SHEET NO.	
E- 01	
17	33

LEGEND:	
	1 x 18w PINLIGHT
	DUPLEX CONV. OUTLET
	AIRCON. OUTLET
	CIRCUIT HOMERUN
	PANEL BOARD
	ELECT. METER
	1-40w FLUORESCENT LAMP
	EMERGENCY LIGHT
	EXHAUST FAN



01 MEZZANINE FLOOR LIGHTING LAYOUT PLAN
E-02 SCALE: 1:100

M.T. Ang
architectural designs
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DESIGNS • PLUMBING DESIGN
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MICHAEL T. ANG, fuap
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PRC Reg.No.: 2228 PTR No.: 7178915
TIN No.: 130-297-471 Date: 1/06/17 Iss.: GSC

PROJECT TITLE / LOCATION
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PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

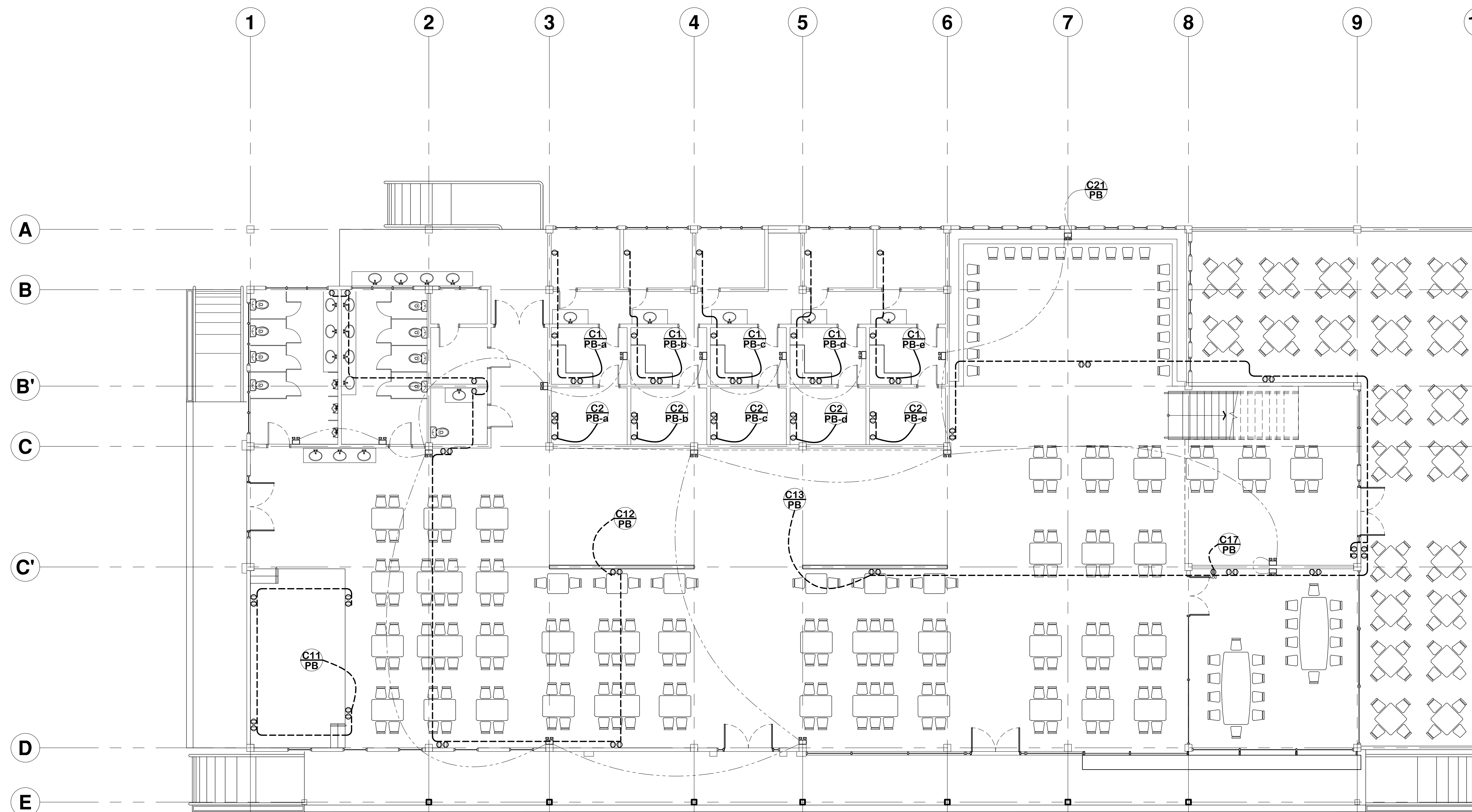
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JUNIOR ARCHITECT

SHEET NO.
E- 02
18 33

LEGEND:

	1 x 18w PINLIGHT
	DUPLEX CONV. OUTLET
	AIRCON. OUTLET
	CIRCUIT HOMERUN
	PANEL BOARD
	ELECT. METER
	1-40w FLUORESCENT LAMP
	EMERGENCY LIGHT
	EXHAUST FAN



01 **GROUND FLOOR POWER LAYOUT PLAN**
E-03 SCALE: 1:100

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PLAN • DESIGN • ESTIMATE • CONSTRUCTION MANAGEMENT
DESIGNS • PLUMBING DESIGN
27 P. ACHARON BOULEVARD, BRGY. DAD. SOUTH, GEN. SANTOS CITY ☎ No: 301-1917

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FERNANDO G. OCAT
PROF. ELECTRICAL ENGINEER
PRC Reg.No.: 2228 PTR No.: 7178915
TIN No.: 130-297-471 Date: 1/06/17 Iss.: GSC

PROJECT TITLE / LOCATION
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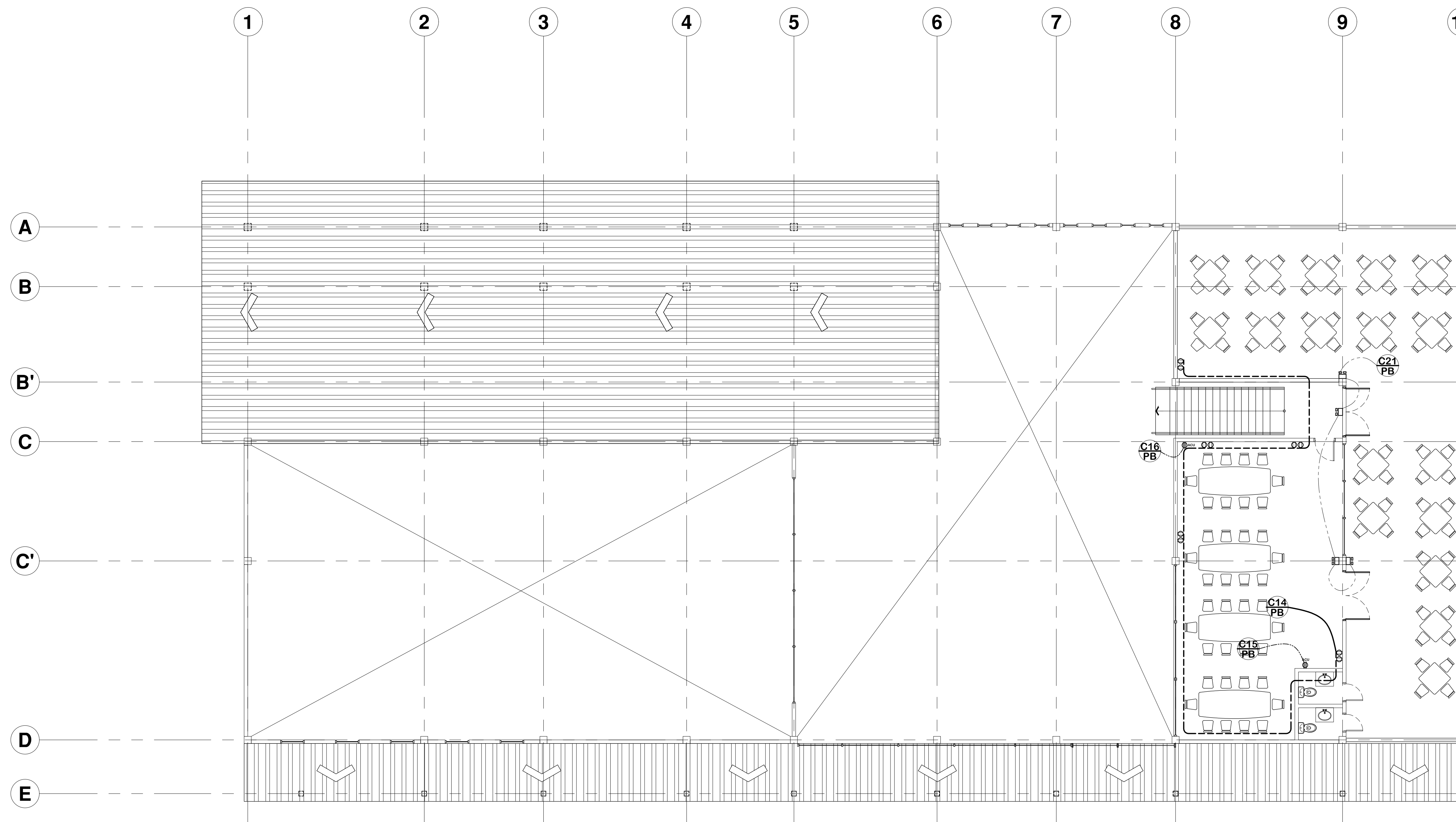
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CHECKED BY:
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JUNIOR ARCHITECT

SHEET NO.
E- 03
19 33

LEGEND:

	1 x 18w PINLIGHT
	DUPLEX CONV. OUTLET
	AIRCON. OUTLET
	CIRCUIT HOMERUN
	PANEL BOARD
	ELECT. METER
	1-40w FLUORESCENT LAMP
	EMERGENCY LIGHT
	EXHAUST FAN



01 **MEZZANINE FLOOR POWER LAYOUT PLAN**
E-04 SCALE: 1:100

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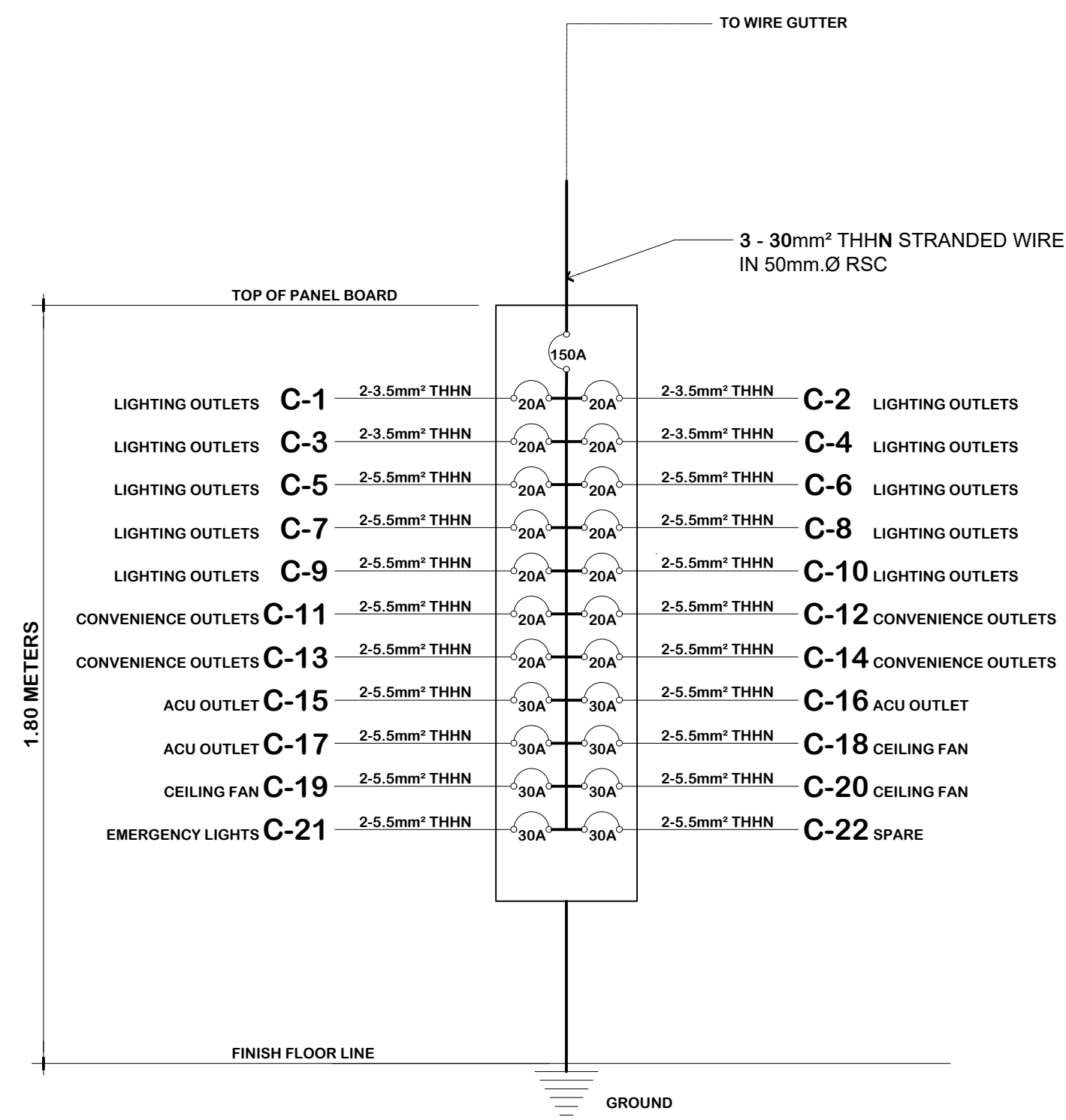
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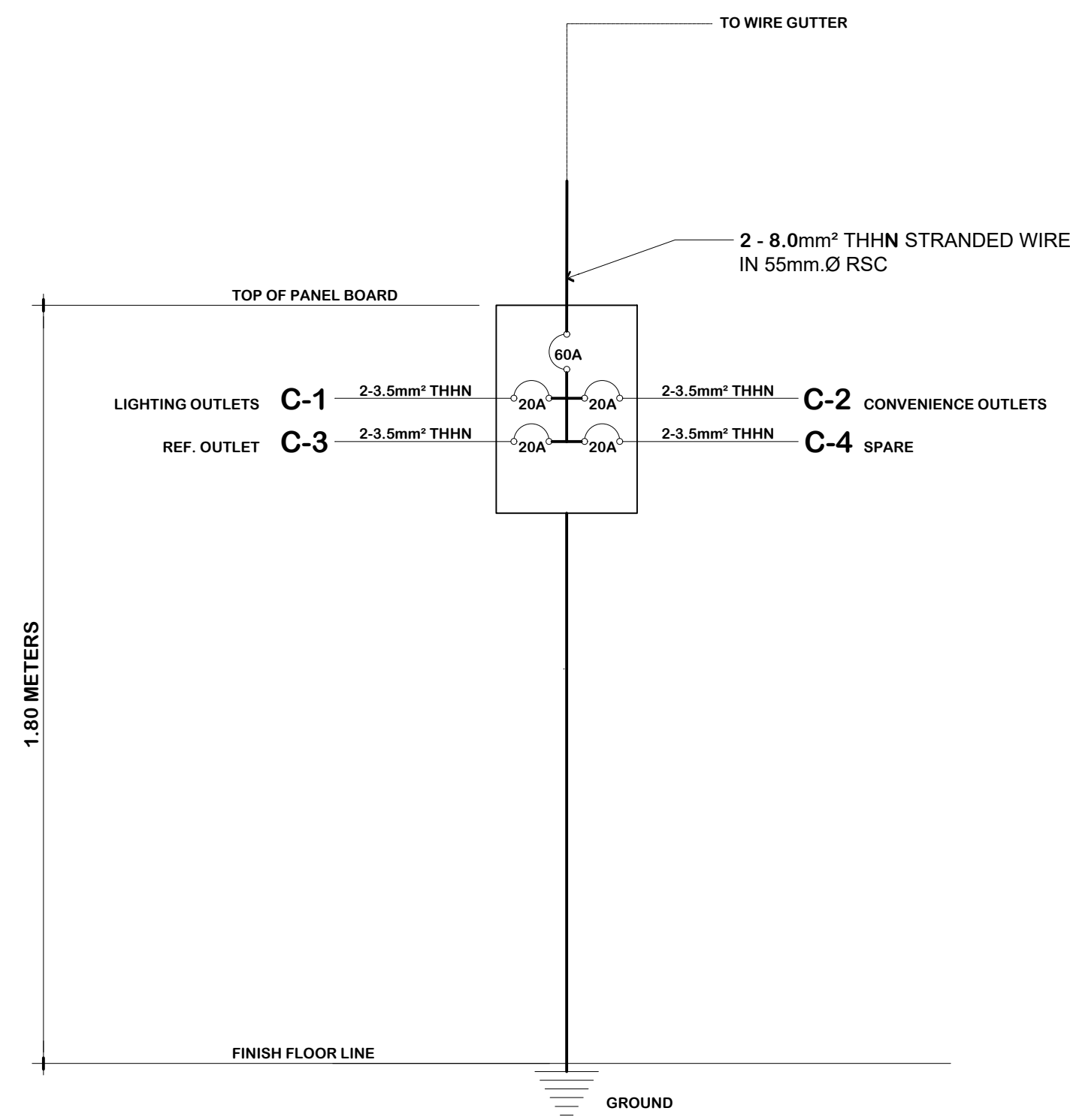
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SHEET NO.	
E- 04	
20	33



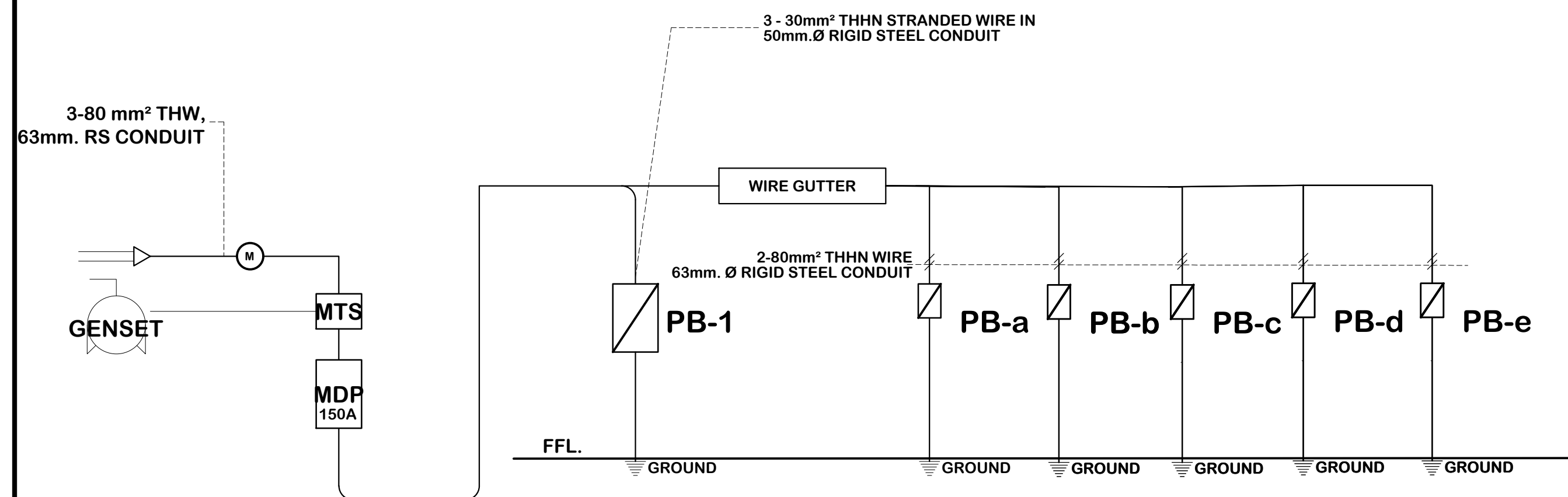
01 RISER DIAGRAM "PB"
E-05 SCALE: NTS



02 RISER DIAGRAM "PB-a" TO "PB-e"
E-05 SCALE: NTS

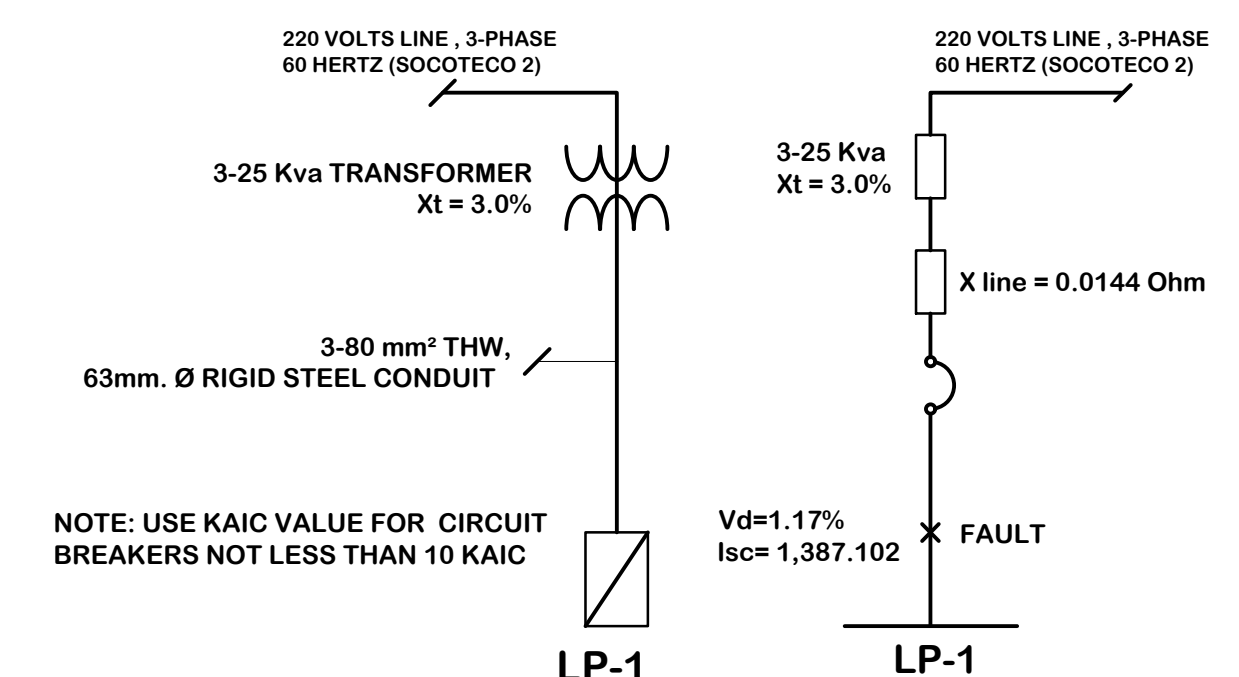
ELECTRICAL NOTES AND SPECIFICATIONS:

- ALL ELECTRICAL INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE AND THE RULES AND REGULATIONS OF THE OFFICE OF THE BUILDING OFFICIAL INCHARGE IN ENFORCING THE CODE.
- NO WIRE SMALLER THAN 2.0mm² SHALL BE USED.
- UNLESS OTHERWISE SPECIFIED, PULL BOXES SHALL BE PROVIDED WHENEVER REQUIRED AND NECESSARY ALTHOUGH SUCH BOXES ARE NOT INDICATED ON THE PLANS.
- ALL MATERIALS AND REQUIREMENTS TO BE USED SHALL BE NEW AND OF APPROVED TYPE AS TO LOCATION AND PURPOSES.
- ALL METAL FRAMES SHALL BE PROPERLY AND ADEQUATELY GROUNDED.
- SERVICE VOLTAGE SHALL BE 220volts, SINGLE PHASE, 60 Hz.
- THE ACTUAL LOCATION OF POWER SERVICE ENTRANCE SHALL BE VERIFIED AND ORIENTED FOR CONNECTION OF POWER SUPPLY.
- VERIFY ALL DIMENSIONAL LOCATION OF FIXTURES, OUTLETS, EQUIPMENTS ON OTHER DRAWINGS OF RELATED TRADES AND INVESTIGATE ALL POSSIBLE INTERFERENCE AND CONDITION AFFECTING THE ELECTRICAL WORK.
- PANEL BOARDS, CABINETS AND OTHER ENCLOSURES SHALL CONFORM TO NEMA STANDARDS.
- IT IS NOT INTENDED THAT THE DRAWING SHOW EACH AND EVERY CONDUIT, JUNCTION BOX, OUTLET, etc. HOWEVER, SUCH ITEMS SHOULD BE FURNISHED AND INSTALLED IF NECESSARY TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
- MOUNTING HEIGHTS OF ELECTRICAL FIXTURES AND DEVICES SHALL BE AS FOLLOWS:
 SWITCHES —1400mm ABOVE FINISH FLOOR LINE
 CONVENIENCE OUTLETS—300mm ABOVE FINISH FLOOR LINE
 100mm ABOVE COUNTER / TABLE TOP
 PANEL BOARDS—1800mm ABOVE FINISH FLOOR LINE TO THE TOP OF THE PANEL BOARD
- ALL ELECTRICAL WORKS SHALL BE DONE BY COMPETENT ELECTRICIANS UNDER THE DIRECT SUPERVISION OF A DULY LICENSED MASTER ELECTRICIANS OR PROFESSIONAL ELECTRICAL ENGINEER.



03 SCHEMATIC DIAGRAM
E-05 SCALE: NTS

VOLTAGE DROP	
AT PANEL LP	
DISTANCE FROM TAPPING POLE TO PANEL BOARD (PB-01)	30 m.
VOLTAGE DROP	= IZ
I MAIN	= 178.56 AMPS
(FROM TABLE SYCWIN ELECTRIC WIRES AND CABLES)	
Z	80mm. ² = 0.0958 / 300 METER
AT 30 METER (2 sets)	
Z1	= 0.0287 OHM
ZT	= 0.0144
VOLTAGE AT PANEL BOARD (PB-1)	
VOLTAGE DROP	= 178.56 (0.01437)
	= 2.5658 VOLTS
% VOLTAGE DROP	= 1.17 %
SHORT CIRCUIT CURRENT	
DISTANCE FROM TAPPING POLE TO PANEL BOARD (PB1) : 30 m.	
TRANSFORMER CAPACITY	
Kva =	I x voltage
	1000
	= 178.56 x 220 x 1.732
	1000
	= 68.037
USE =	3-25 Kva TRANSFORMER
I sc =	I sec
	Z
I sc =	SHORT CIRCUIT CURRENT (symmetrical)
Z =	TOTAL IMPEDANCE
	= Xt + X line
Isec =	Kva / 1.732
	220 Volts
FROM DIAGRAM	I sc = 65.60990972 amps.
	0.03 + 0.0144
I sc =	1,387.102 amps.
	NOTE: USE KAIC VALUE FOR CIRCUIT BREAKERS NOT LESS THAN 10 KAIC



SIMPLIFIED DIAGRAM

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CHECKED BY:
NELSON LEANDRO R. BRETAÑA, uap
JUNIOR ARCHITECT

SHEET NO.	
E- 05	
21	33

SCHEDULE OF LOADS & COMPUTATIONS (PB-01)

CIRCUIT NO.	DESCRIPTION	NO. OF OUTLETS			RATING WVA/HP	AMPERES			SWITCHES						SIZE OF WIRES & CONDUITS	OHM RESISTANCE / m	LENGTH OF WIRE (m.)	VOLTAGE DROP	CIRCUIT PROTECTION			VOLTAGE
		L.O.	C.O.	OTHERS					S1	S2	S3	S4	S5	S6					AT	AF	POLE	
C1	LIGHTING	31			1550W	7.05			5		1				2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	80	2.852	20	60	2	250
C2	LIGHTING	15			750W		3.41		1						2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	75	1.294	20	60	2	250
C3	LIGHTING	16			800W			3.64	1		1				2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	63	1.159	20	60	2	250
C4	LIGHTING	18			900W	4.09				2					2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	95	1.967	20	60	2	250
C5	LIGHTING	18			900W		4.09		1						2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	87	1.801	20	60	2	250
C6	LIGHTING	24			1200W			5.45				1			2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	95	2.622	20	60	2	250
C7	LIGHTING	14			700W	3.18					1				2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	86	1.385	20	60	2	250
C8	LIGHTING	16			800W		3.64		2				1		2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	98	1.803	20	60	2	250
C9	LIGHTING	21			1050W			4.77			1				2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	83	2.004	20	60	2	250
C10	LIGHTING	41			2050W	9.32						1			2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	88	4.149	20	60	2	250
C11	CONVENIENCE OUTLET		4		800W		3.64								2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	65	1.196	20	60	2	250
C12	CONVENIENCE OUTLET		8		1600W		7.27								2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	50	1.840	20	60	2	250
C13	CONVENIENCE OUTLET		8		1600W	7.27									2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	45	1.656	20	60	2	250
C14	CONVENIENCE OUTLET		5	1	1000W		18.00								2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	40	3.643	20	60	2	250
C15	ACU OUTLET			1	2.5HP			14.00							2 - 5.5mm² THHN WIRES / ½"Ø RSC	0.00324	46	2.087	30	60	2	250
C16	ACU OUTLET			1	2.5HP	14.00									2 - 5.5mm² THHN WIRES / ½"Ø RSC	0.00324	62	2.812	30	60	2	250
C17	ACU OUTLET			1	2.5HP		14.00								2 - 5.5mm² THHN WIRES / ½"Ø RSC	0.00324	25	1.134	30	60	2	250
C18	CEILING FAN			5	1000W			4.55							2 - 5.5mm² THHN WIRES / ½"Ø RSC	0.00324	89	1.311	30	60	2	250
C19	CEILING FAN			4	800W	10.00									2 - 5.5mm² THHN WIRES / ½"Ø RSC	0.00324	87	2.819	30	60	2	250
C20	CEILING FAN			2	2000W		9.09								2 - 5.5mm² THHN WIRES / ½"Ø RSC	0.00324	80	2.356	30	60	2	250
C21	EMERGENCY LIGHTS			20	2000W		9.09								2 - 5.5mm² THHN WIRES / ½"Ø RSC	0.00506	90	4.140	30	60	2	250
C22	SPARE			1	1000W		4.55								2 - 5.5mm² THHN WIRES / ½"Ø RSC	0.00324	30	0.442	30	60	2	250
TOTAL		214	25	36	22508W	54.91	55.86	53.32	10	2	4	2	1	0	3 - 30mm² THHN WIRE IN 50mm. Ø RSC PIPE	0.0021	30	3.459	100	125	3	250

SIZE OF FEEDER:

$$\geq \frac{A [55.86]}{\sqrt{3}}$$

$$\geq 96.7558\text{AMPERES}$$
 USE: 3 - 30mm² THHN WIRE IN 50mm. Ø RSC PIPE

SCHEDULE OF LOADS & COMPUTATIONS (PB-a, PB-b, PB-c, PB-d, PB-e)

CIRCUIT NO.	DESCRIPTION	NO. OF OUTLETS			RATING WVA/HP	AMPERES			SWITCHES						SIZE OF WIRES & CONDUITS	OHM RESISTANCE / m	LENGTH OF WIRE (m.)	VOLTAGE DROP	CIRCUIT PROTECTION			VOLTAGE
		L.O.	C.O.	OTHERS					S1	S2	S3	S4	S5	S6					AT	AF	POLE	
C1	LIGHTING	13			650W	2.95			1			1			2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	20	0.299	15	60	2	250
C2	CONVENIENCE OUTLET		4		800W		3.64								2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00506	15	0.276	20	60	2	250
C3	REF. OUTLET		2	1	1150W		5.23								2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00324	12	0.203	20	60	2	250
C4	SPARE			1	1000W		4.55								2 - 3.5mm² THHN WIRES / ½"Ø RSC	0.00324	18	0.265	20	60	2	250
TOTAL		13	6	2	39965W		16.36		1	0	0	1	0	0	2 - 8.0mm² THHN WIRE IN 25mm. Ø RSC PIPE	0.00515	15	1.264	100	125	3	250

SIZE OF FEEDER:

$$\geq \frac{A [16.36 + 25\% (5.23A)]}{\sqrt{3}}$$

$$\geq 28.3418\text{AMPERES}$$
 USE: 2 - 8.0mm² THHN WIRE IN 25mm. Ø RSC PIPE

SCHEDULE OF LOADS & COMPUTATIONS FOR MDP

PANEL DESCRIPTION	AMPERES	CIRCUIT PROTECTION			VOLTAGE	
		AT	AF	POLE		
PB-01	46.41	125	140	3	230	
PB-02	0.00	100	125	3	230	
PB-03	0.00	75	90	3	230	
PB-04	0.00	150	160	3	230	
PB-05	0.00	100	125	3	230	
TOTAL		46.41	600	600	3	250

SIZE OF MAIN SERVICE ENTRANCE:

$$I = (PB1 + PB2 + PB3 + PB4 + PB5)$$

$$= (96.76 + 16.36 + 16.36 + 16.36 + 16.36)$$

$$= 178.56 \text{ Amperes}$$
 USE: - ; 3 - 80mm² THHN STRANDED WIRES IN 63mm. Ø RSC
 - 150 AMPERES, 3P, 250v, MTS

FOR TRANSFORMER CAPACITY:

$$\geq \frac{\sqrt{3} (46.41 \times 220)}{1000}$$

$$\geq 18 \text{ KVA}$$
 USE: 3 - 70 KVA DISTRIBUTION TRANSFORMER, 7620/13.2KV Y, PRIMARY VOLTAGE 220/440 SEC. VOLTAGE
 1 - 200 Kw GENSET, 60Hz, 3 PHASE, 220v, 30% POWER FACTOR

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MICHAEL T. ANG, fuap
 ARCHITECT

PRC: 8270
 VALIDITY: 08 MAY 2018
 IAPOA: 04440 141342 071618
 O.R. | DATE: 141342 | 16 JULY 15
 PTR: 7193602
 DATE ISS: 10 JAN 2017
 PLACE ISS: GSC
 TIN: 123-875-856

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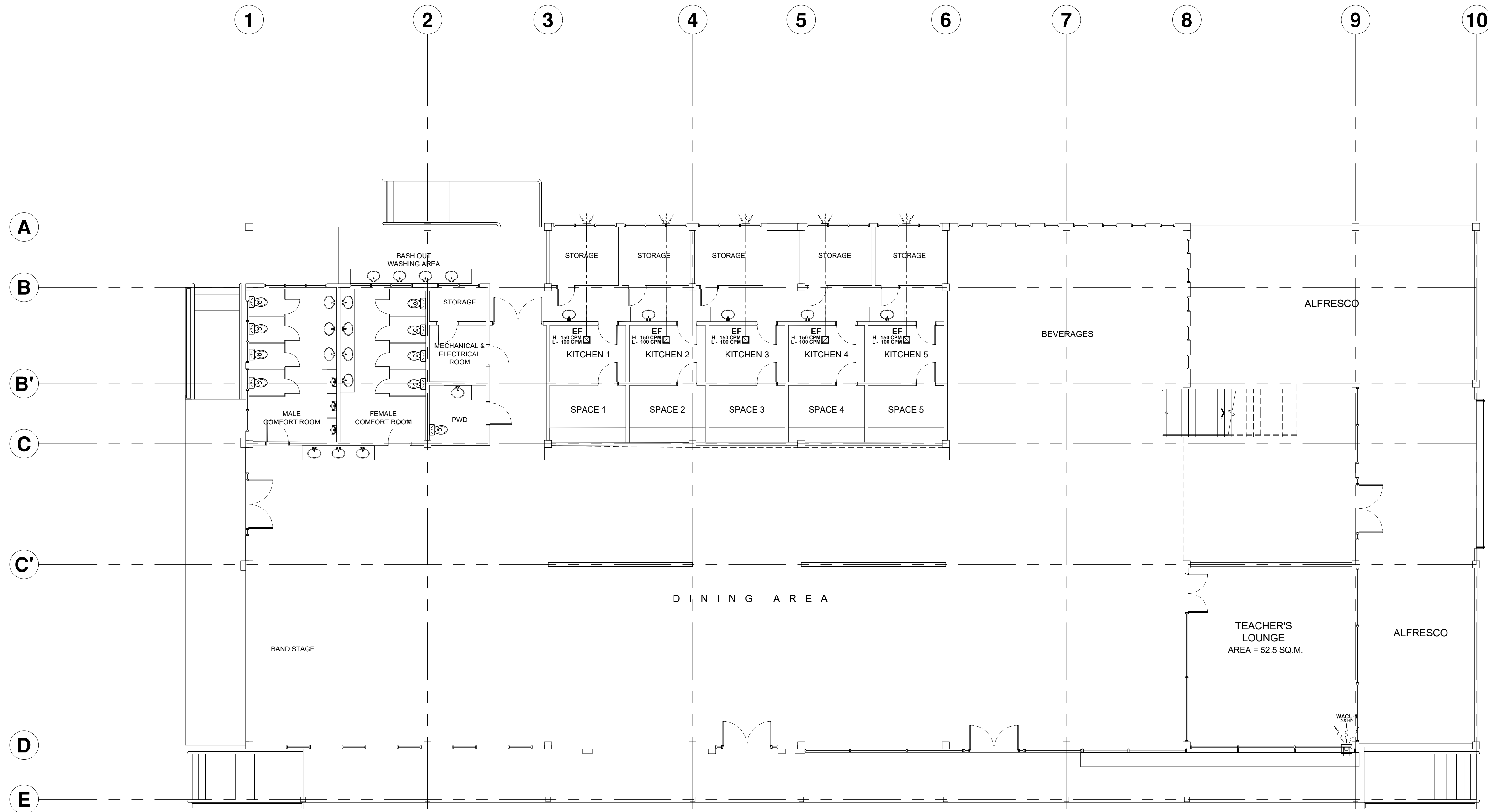
FERNANDO G. OCAT
 PROF. ELECTRICAL ENGINEER
 PRC Reg.No.: 2228 PTR No.: 7178915
 TIN No.: 130-297-471 Date: 1/06/17 Iss.: GSC

PROPOSED CANTEEN AND STUDENT ACTIVITY CENTER
 PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

CHUCHI P. GARNERA, PH.D.
 OWNER
 ADDRESS: PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

PREPARED BY:
CYRIL LLOYD OMANDAM
 DRAFTING STAFF
 CHECKED BY:
NELSON LEANDRO R. BRETANA, uap
 JUNIOR ARCHITECT

SHEET NO.
E- 06
22 33



01 **GROUND FLOOR MECHANICAL LAYOUT PLAN**
 M-01 SCALE: 1:100

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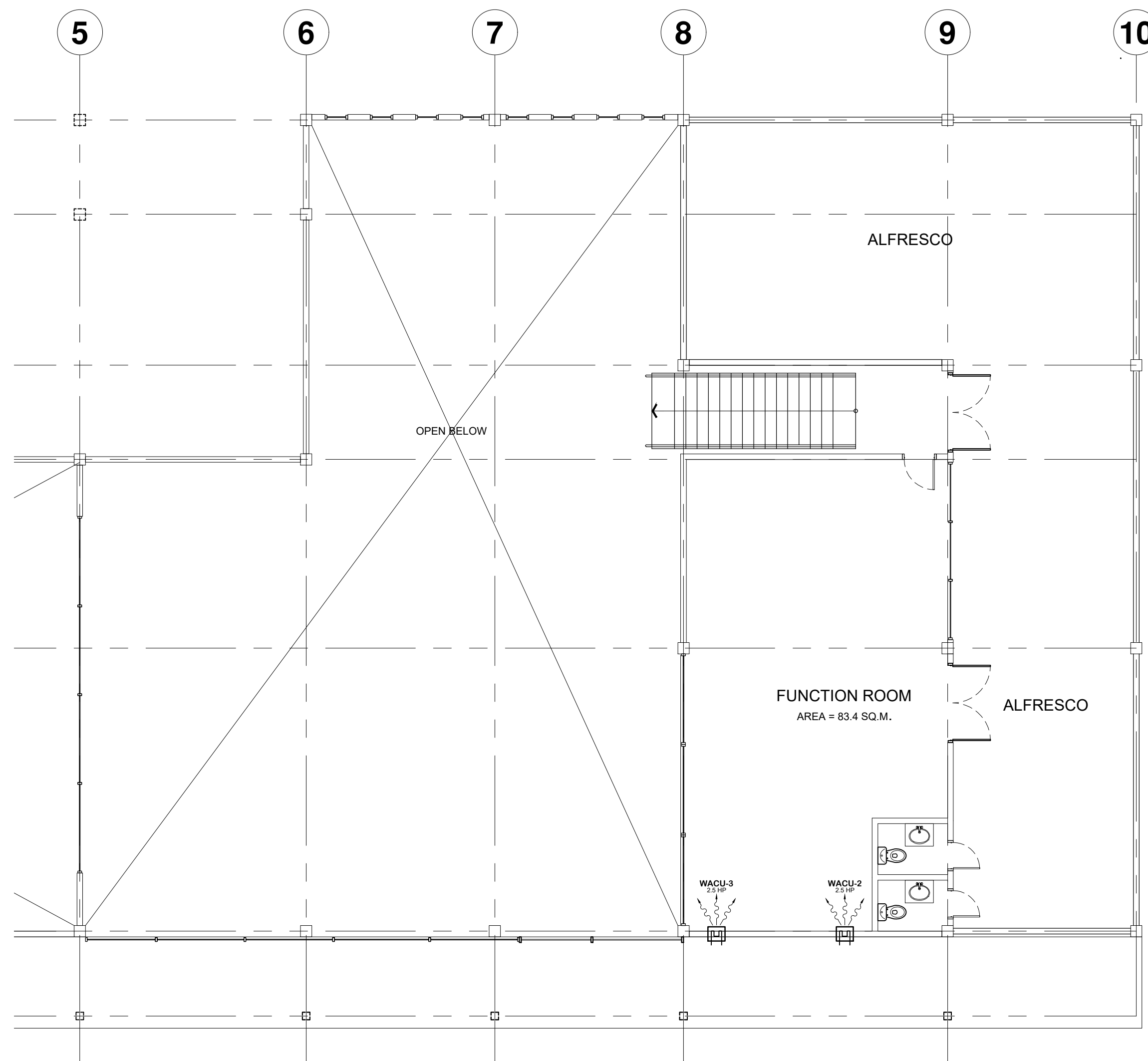
FELIX R. CAÑIZARES
 PROF. MECHANICAL ENGINEER
 PRC Reg.No.: 3129 PTR No.: 7208629
 TIN No.: 144-954-544 Date: 1/10/17 Iss.: GSC

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SHEET NO.	
M- 01	
23	33

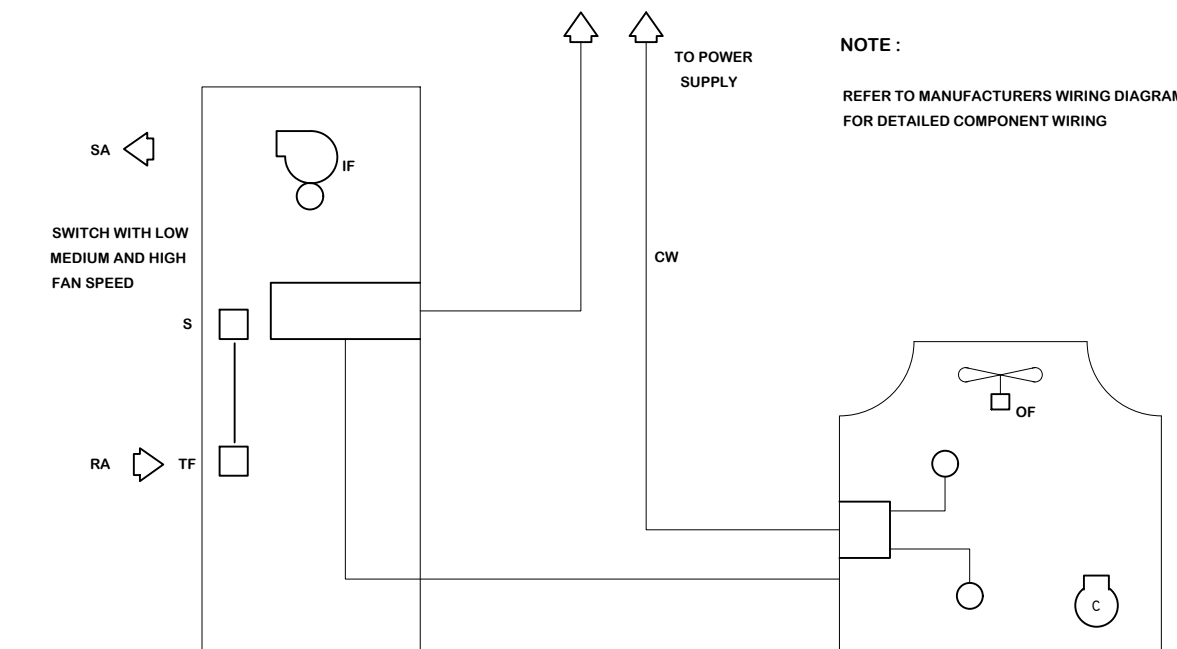


01 MEZZANINE FLOOR MECHANICAL LAYOUT PLAN
M-02 SCALE: 1:100

MECHANICAL GENERAL NOTES

LEGEND :	
	WINDOW TYPE (NUMBER INDICATES CAPACITY) (HP - HORSE POWER, T = TONS)
	DUCTED EXHAUST FAN 4" Ø FLEX. ALUMN. DUCT

- * ALL AIR-CONDITIONING AND VENTILATING UNITS SHALL BE NEW AND THE APPROVED PRODUCTS OF REPUTABLE MANUFACTURERS.
- * FAN COIL UNITS SHALL BE MOUNTED AND MUST BE PROVIDED WITH BLUE PVC DRAIN PIPE.
- * REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH 13 MM THK. ELASTOMERIC PRE - MOLDED RUBBER INSULATION.
- * IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH THE OTHER TRADES CONCERNED AND WITH THE PROJECT ENGINEER.
- * THE WORKS THROUGHOUT SHALL BE EXECUTED IN THE MOST THROUGH MANNER KNOWN TO THE TRADE AND TO THE SATISFACTION OF THE ARCHITECT / ENGINEER.
- * PROVIDE PROPER FOUNDATION FOR THE MOUNTING OF EQUIPMENT FOUNDATION FOR THE FCU SHALL BE AT LEAST 100 MM FROM FINISHED FLOOR LINE.
- * ALL AIR - CONDITIONING UNITS SHALL BE PROVIDED WITH AUTOMATIC MOTOR PROTECTOR TO BE INSTALLED BESIDE THE ACCU.
- * REFRIGERANT PIPES FOR SPLIT TYPE AIR - CON SHALL BE CLAD WITH A 4"Ø PVC PIPE PRIOR TO BEING EMBEDDED.
- * ALL REFRIGERANT PIPES SHALL BE LOCATED AT THE REAR OF THE FCU'S AND NOT ON THE USUAL SIDE LOCATION.
- * INSTALL REFRIGERANT LINES SO THAT THE GAS VELOCITY IN THE EVAPORATOR SUCTION LINE IS SUFFICIENT TO MOVE THE OIL ALONG WITH THE GAS TO THE COMPRESSOR.
- * HANGER / SUPPORT MUST BE PAINTED WITH DOUBLE COAT OF RUST PROTECTIVE PAINT.
- * VERIFY ALL DIMENSIONAL LOCATION OF EQUIPMENT ON THE DRAWINGS OF RELATED TRADES AND INVESTIGATE ALL POSSIBLE INTERFERENCE AND CONDITION AFFECTING THE MECHANICAL WORK.
- * UPON THE COMPLETION OF THE A/C EQUIPMENT INSTALLATION, TEST ALL FACTORY AND FIELD INSTALLED REFRIGERANT PIPING WITH A LEAKS DETECTOR TO ACQUIRE A LEAK - TIGHT CORRECT AND RE - TEST THE SYSTEM FOLLOWING THE MANUFACTURER'S RECOMMENDATIONS.
- * THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S WARRANTY CERTIFICATE UPON THE COMPLETION OF THE PROJECT.



SEQUENCE OF OPERATION

- * WHEN SELECTOR SWITCH IS IN ON POSITION, POWER TO FCU, ACCU AND CONTROL SYSTEM SHALL BE MADE ENERGIZED.
- * WHEN SELECTOR SWITCH IS IN FAN POSITION. FAN SHALL START TO OPERATE.
- * WHEN SELECTOR SWITCH IS IN 'COOL' POSITION, FCU AND ACCU CONTROL SYSTEM SHALL BE MADE ENERGIZED.
- * THERMOSTAT SHALL MAINTAIN THE DESIRED ROOM AIR CONDITION BY CONTROLLING THE OPERATION OF THE COMPRESSOR.

TYPE OF AIRCON	COOLING CAP.		EER	ELECTRICAL SUPPLY				LOCATION	AREA (SQ. M.)
	HP	KJ/hr		WATTAGE	VOLTAGE	PHASE	CYCLE		
WACU-1	2.50	25,500	9.60	2,660	220	1	60	TEACHERS' LOUNGE	52.5
WACU-2	2.50	25,500	9.60	2,660	220	1	60	FUNCTION ROOM	83.4
WACU-3	2.50	25,500	9.60	2,660	220	1	60		
TOTAL									

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MICHAEL T. ANG, fuap
ARCHITECT

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O.R. DATE	141342 16 JULY 14
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PROF. MECHANICAL ENGINEER
PRC Reg.No.: 3129 PTR No.: 7208629
TIN No.: 144-954-544 Date: 1/10/17 Iss.: GSC

PROJECT TITLE / LOCATION
PROPOSED CANTEEN AND STUDENT ACTIVITY CENTER
PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

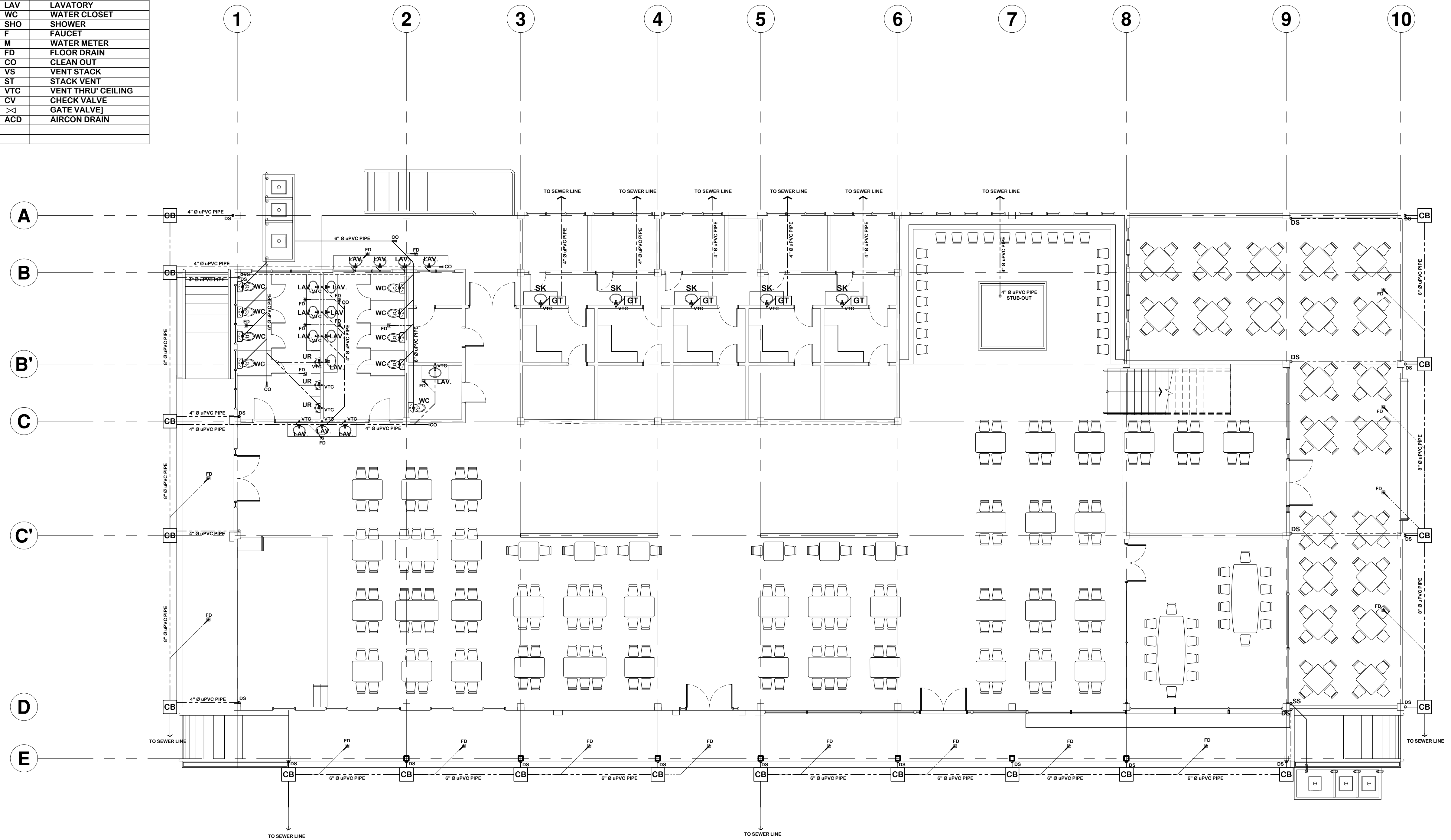
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JUNIOR ARCHITECT

SHEET NO.	
M-02	
24	33

LEGEND:

LAV	LAVATORY
WC	WATER CLOSET
SHO	SHOWER
F	FAUCET
M	WATER METER
FD	FLOOR DRAIN
CO	CLEAN OUT
VS	VENT STACK
ST	STACK VENT
VTC	VENT THRU' CEILING
CV	CHECK VALVE
⊠	GATE VALVE
ACD	AIRCON DRAIN



01 GROUND FLOOR SEWER LAYOUT PLAN
 P-01 SCALE: 1:100

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MICHAEL T. ANG
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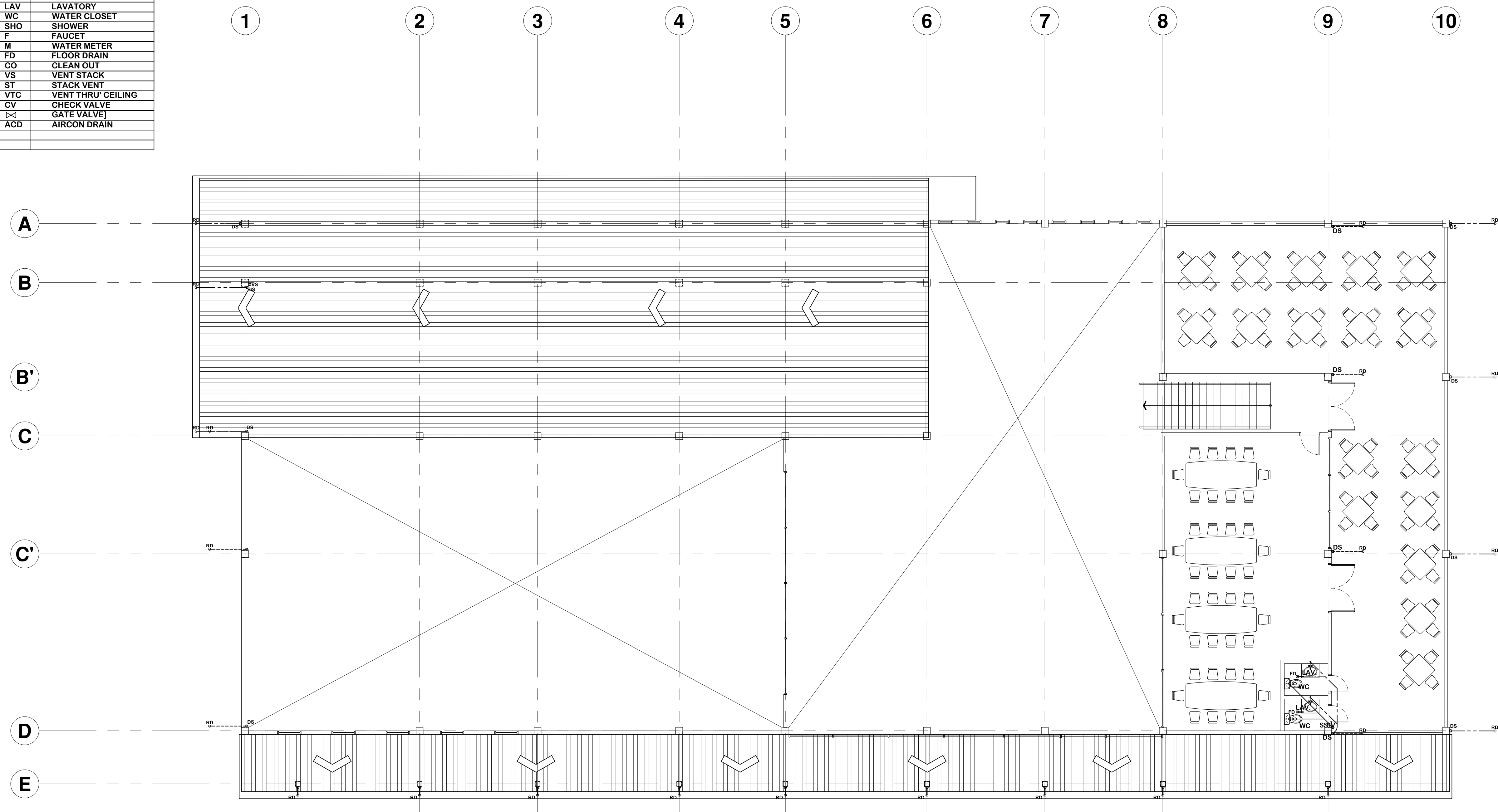
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SHEET NO.
P- 01
25 33

LEGEND:

LAV	LAVATORY
WC	WATER CLOSET
SHO	SHOWER
F	FAUCET
M	WATER METER
FD	FLOOR DRAIN
CO	CLEAN OUT
VS	VENT STACK
ST	STACK VENT
VTC	VENT THRU' CEILING
CV	CHECK VALVE
⊠	GATE VALVE
ACD	AIRCON DRAIN



01 **MEZZANINE FLOOR SEWER LAYOUT PLAN**
 P-02 SCALE: 1:100

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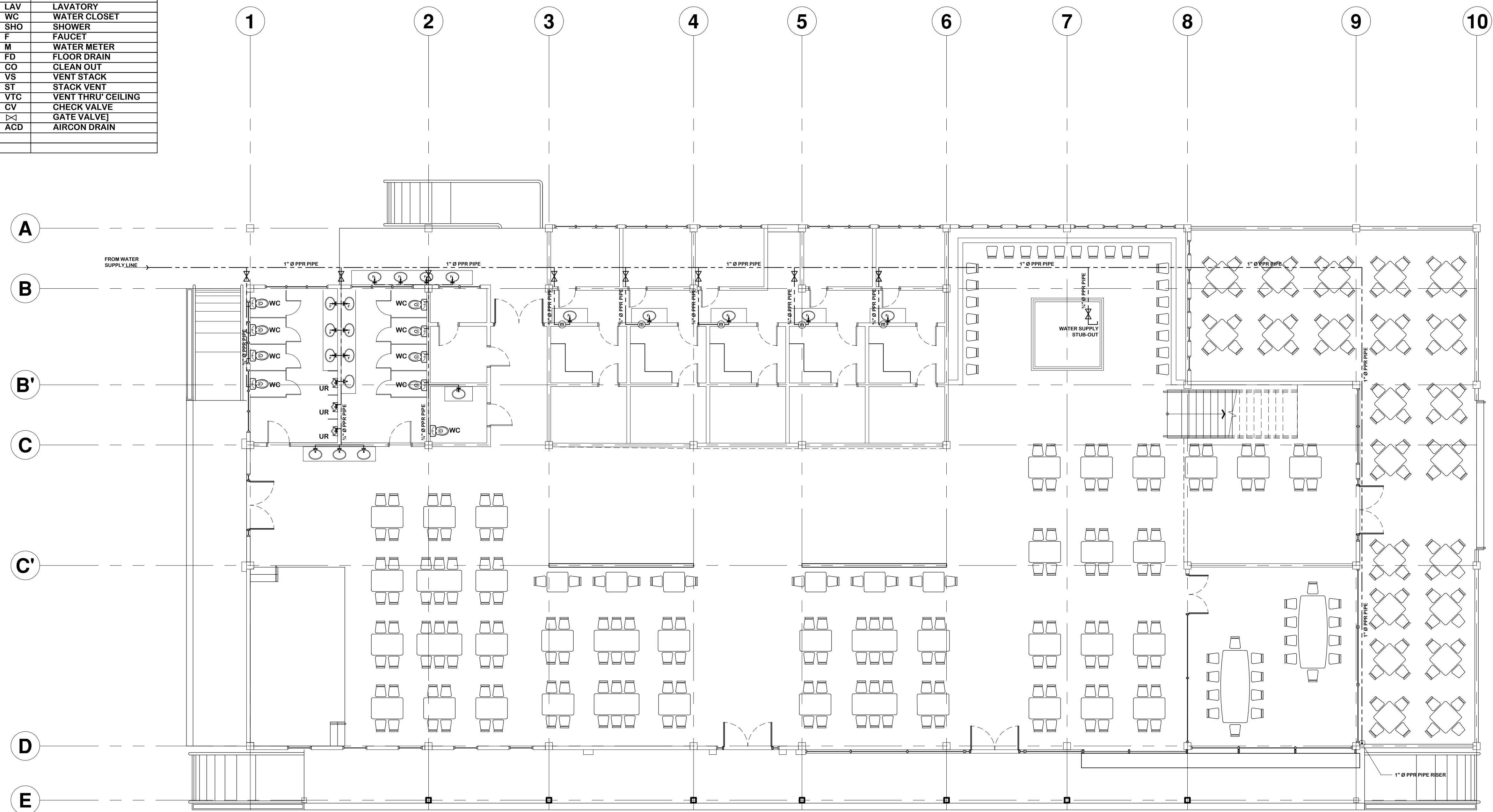
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SHEET NO.	
P- 02	
26	33

LEGEND:	
LAV	LAVATORY
WC	WATER CLOSET
SHO	SHOWER
F	FAUCET
M	WATER METER
FD	FLOOR DRAIN
CO	CLEAN OUT
VS	VENT STACK
ST	STACK VENT
VTC	VENT THRU' CEILING
CV	CHECK VALVE
⊠	GATE VALVE
ACD	AIRCON DRAIN



01 **GROUND FLOOR WATER LAYOUT PLAN**
 P-03 SCALE: 1:100

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 TIN No.: 123-875-856 Date: 01/10/17

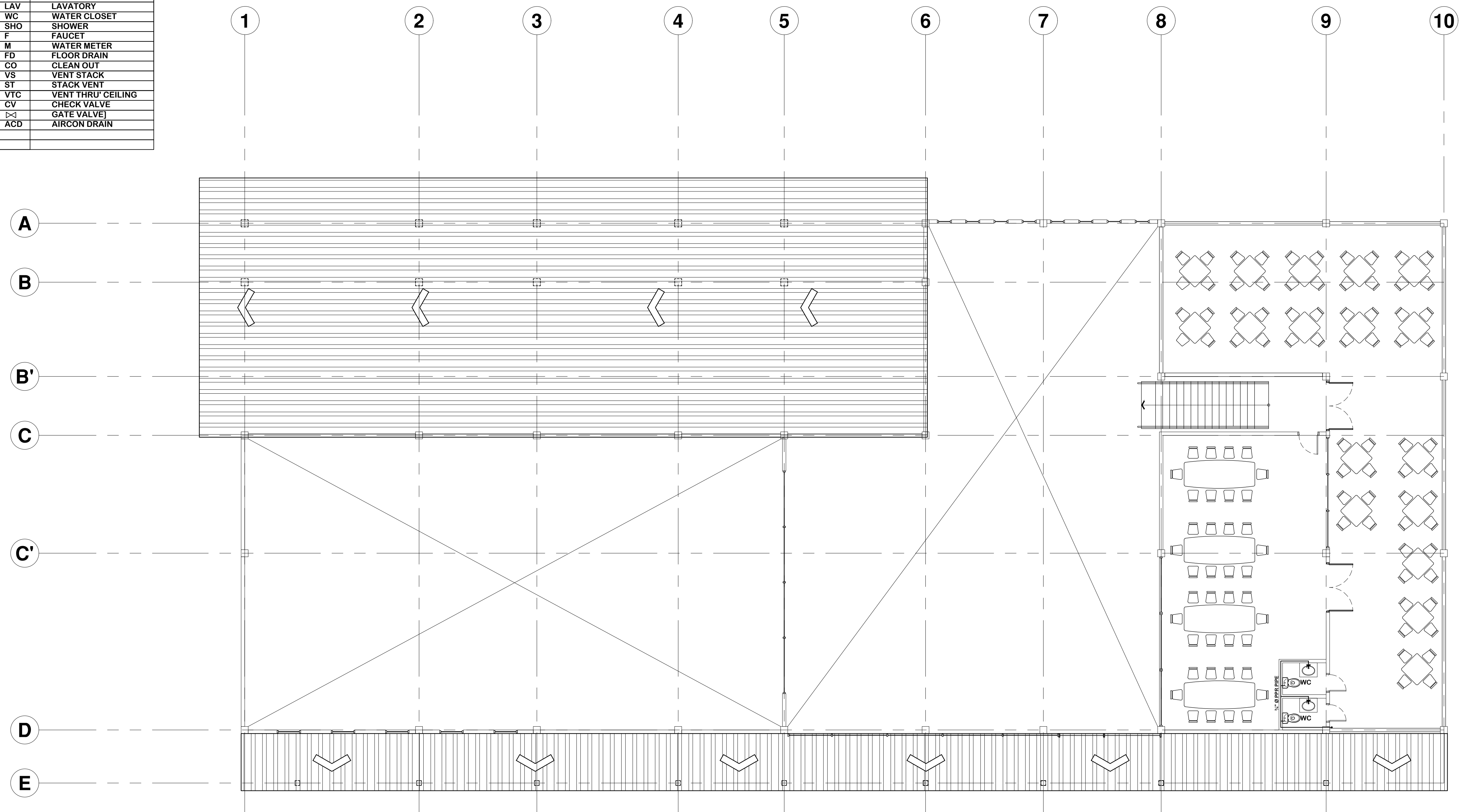
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SHEET NO.	
P- 03	
27	33

LEGEND:	
LAV	LAVATORY
WC	WATER CLOSET
SHO	SHOWER
F	FAUCET
M	WATER METER
FD	FLOOR DRAIN
CO	CLEAN OUT
VS	VENT STACK
ST	STACK VENT
VTC	VENT THRU' CEILING
CV	CHECK VALVE
⊠	GATE VALVE
ACD	AIRCON DRAIN



01 MEZZANINE FLOOR WATER LAYOUT PLAN
P-04 SCALE: 1:100

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PROJECT TITLE / LOCATION
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PHHS-SOCSKARGEN CAMPUS, BRGY. PARAISO, KORONADAL CITY

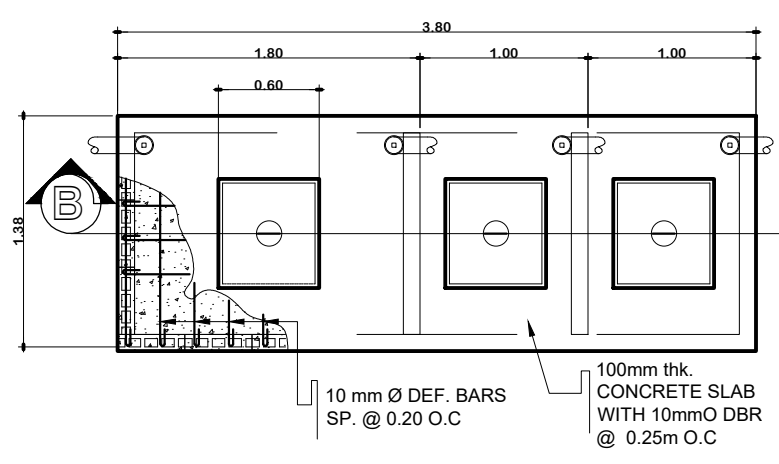
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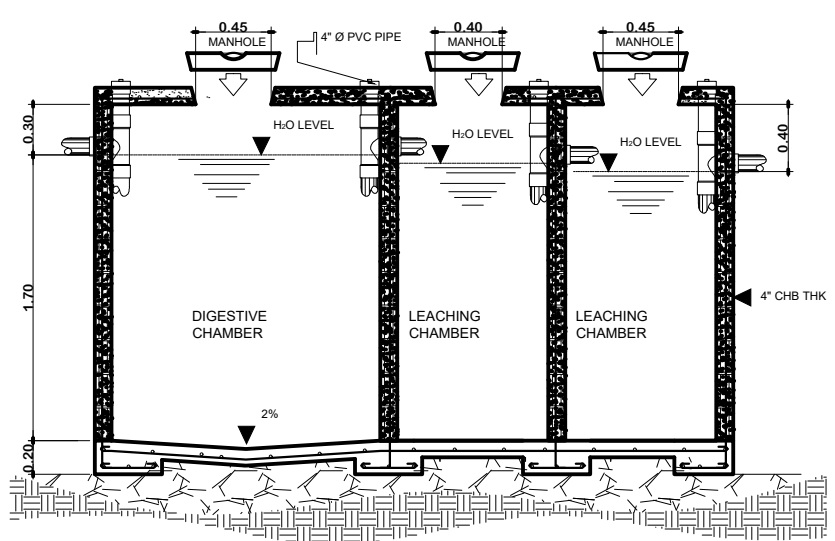
SHEET NO.
P- 04
28 33

LEGEND:

LAV	LAVATORY
WC	WATER CLOSET
SHO	SHOWER
F	FAUCET
M	WATER METER
FD	FLOOR DRAIN
CO	CLEAN OUT
VS	VENT STACK
ST	STACK VENT
VTC	VENT THRU' CEILING
CV	CHECK VALVE
GV	GATE VALVE
ACD	AIRCON DRAIN



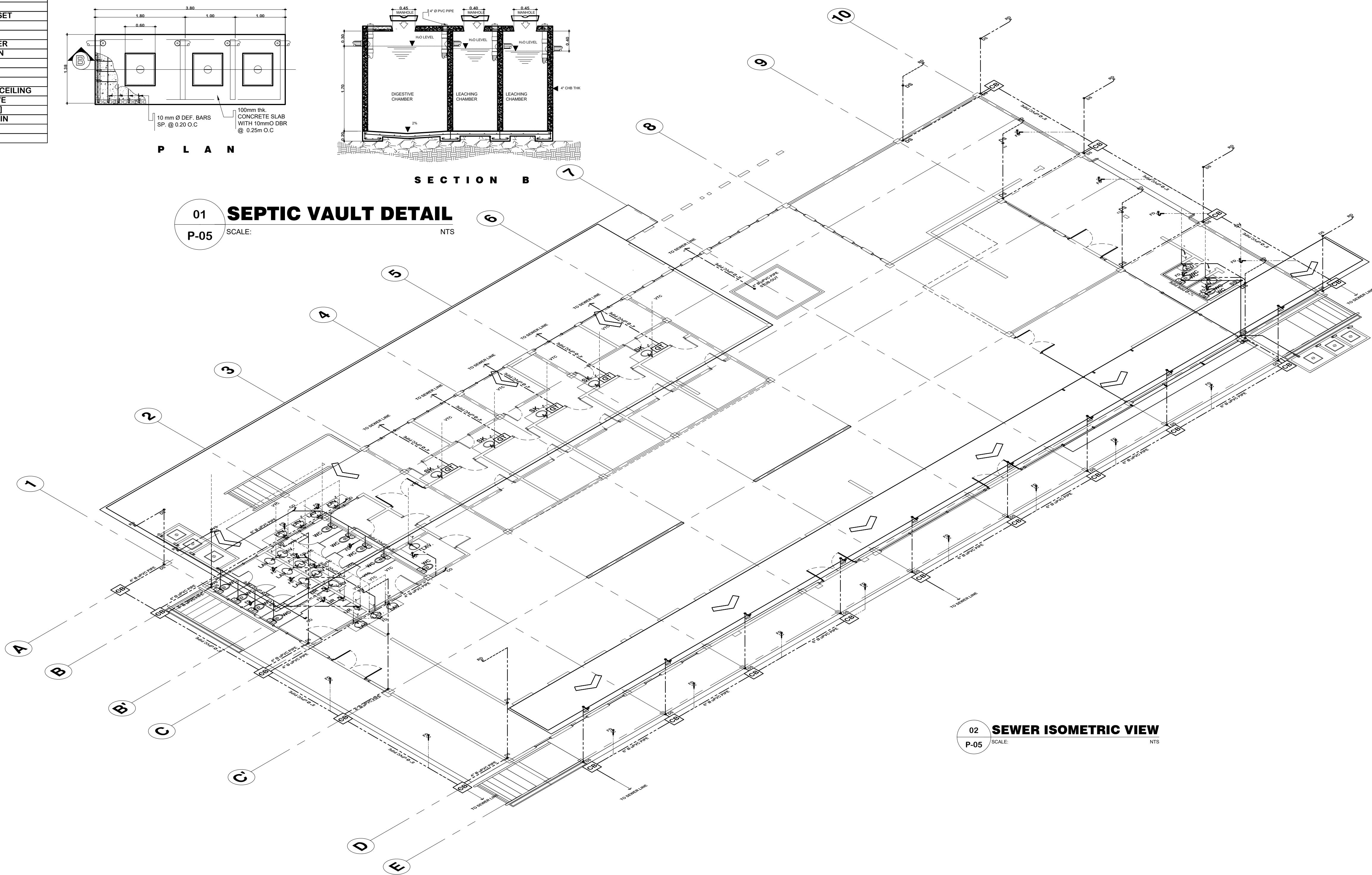
P L A N



SECTION B

01 SEPTIC VAULT DETAIL

P-05 SCALE: NTS



02 SEWER ISOMETRIC VIEW

P-05 SCALE: NTS

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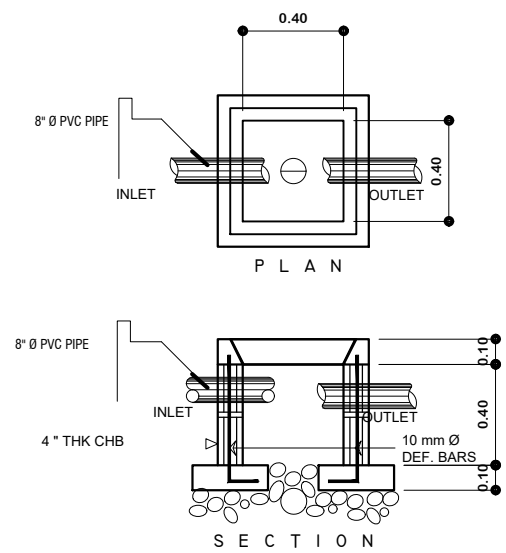
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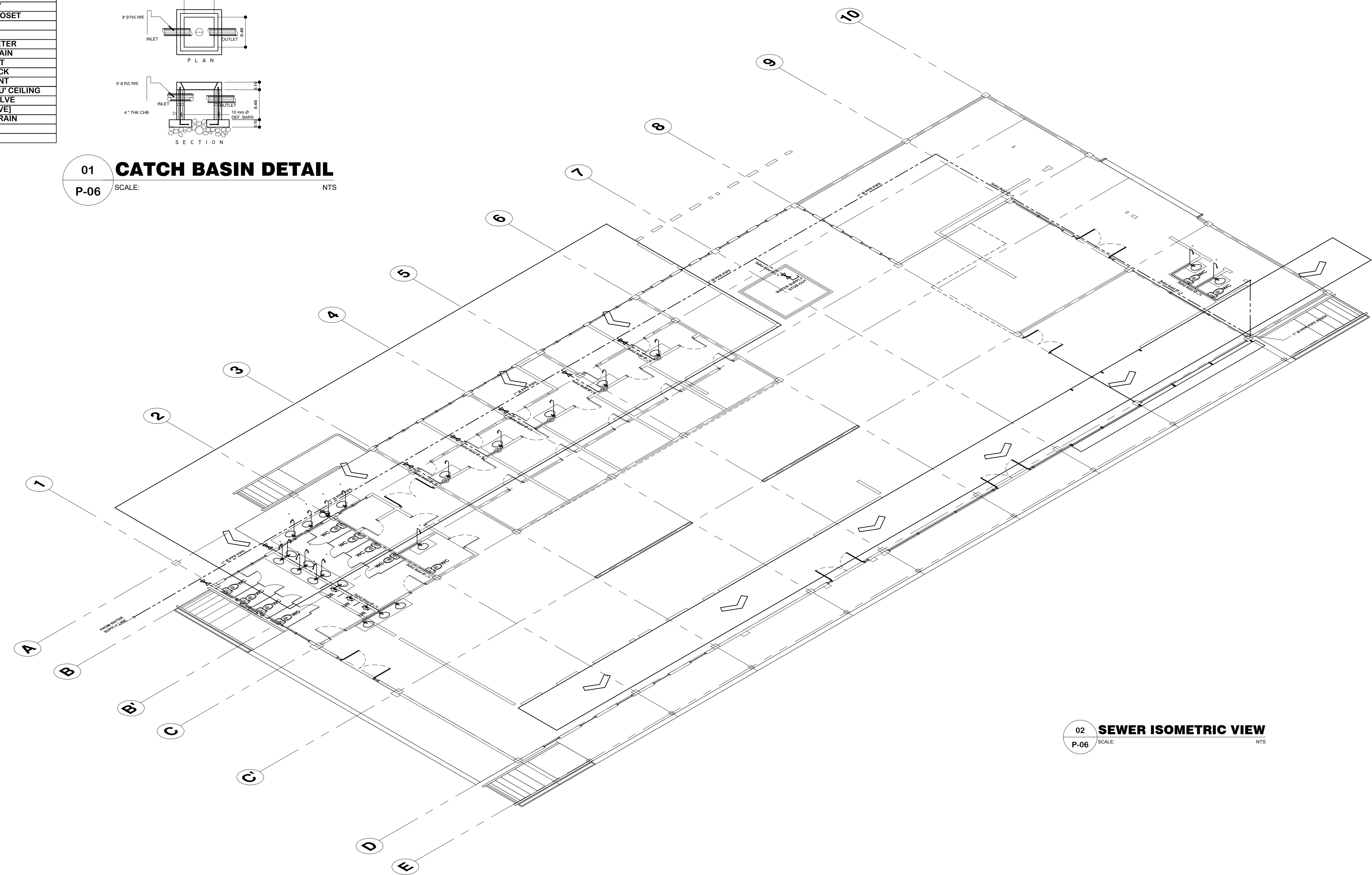
SHEET NO.	
P- 05	
29	33

LEGEND:

LAV	LAVATORY
WC	WATER CLOSET
SHO	SHOWER
F	FAUCET
M	WATER METER
FD	FLOOR DRAIN
CO	CLEAN OUT
VS	VENT STACK
ST	STACK VENT
VTC	VENT THRU' CEILING
CV	CHECK VALVE
GV	GATE VALVE
ACD	AIRCON DRAIN



01 CATCH BASIN DETAIL
 P-06 SCALE: NTS



02 SEWER ISOMETRIC VIEW
 P-06 SCALE: NTS

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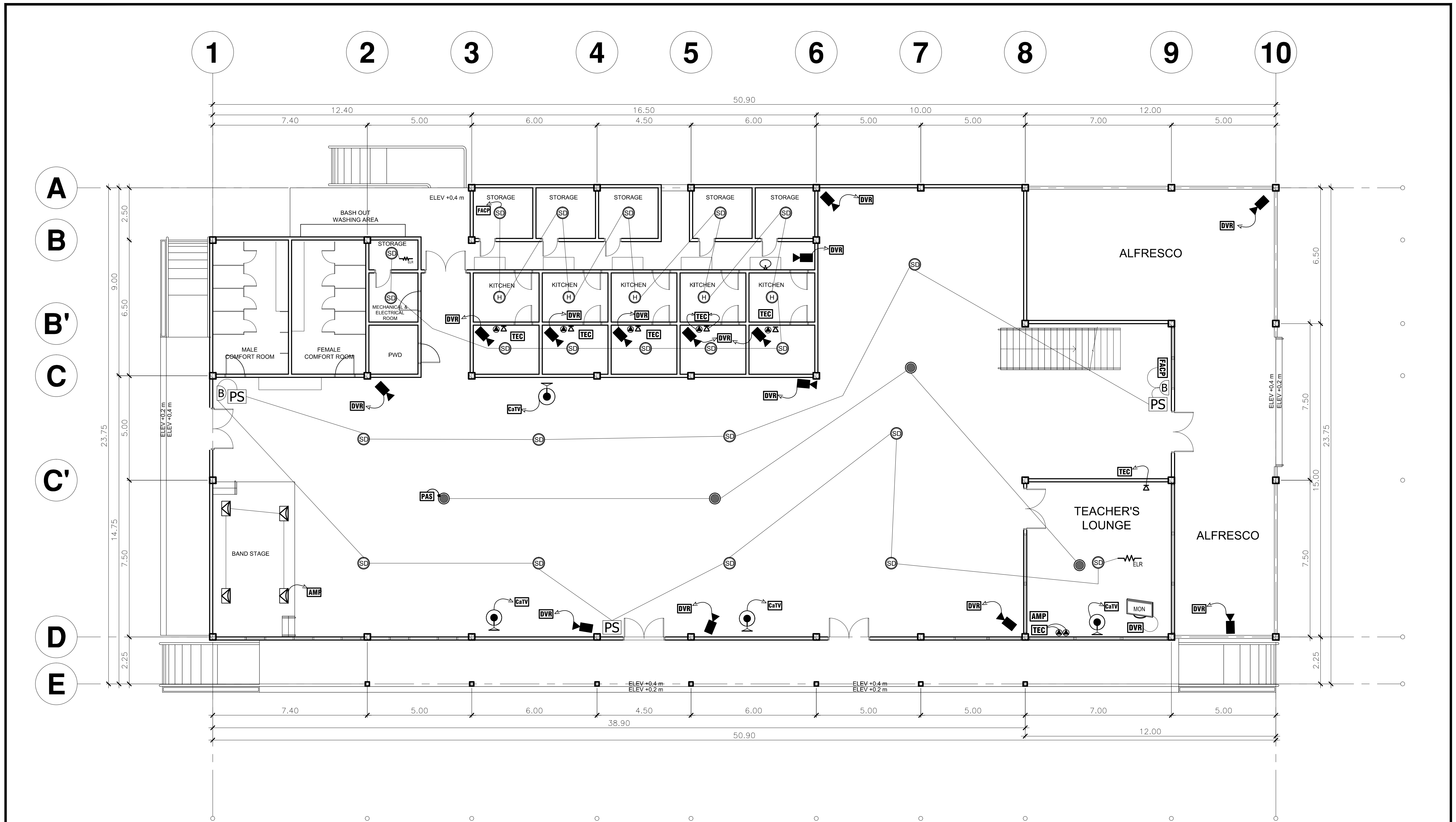
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 MASTER PLUMBER
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SHEET NO.	
P- 06	
30	33



1 GROUND FLOOR PLAN
S1 SCALE 1:100

M.T. Ang
architectural designs

PLANS • DESIGNS • ESTIMATES • CONSTRUCTION MANAGEMENT •
DESIGNS BUILT • PLUMBING DESIGN

27 P. ACHARON BOULEVARD, BRGY. DAD. SOUTH, GEN. SANTOS CITY ☎ No: 301-1917

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DATE ISS.	10 JAN 2017
PLACE ISS.	GSC
TIN	123-875-856

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DARWIN D. NISPEROS, IECEP
PROF. ELECTRONICS & COMM. ENGR.

P.R.C. No.:	0472	IECEP No.:	09-09657.2018
P.T.R. No.:	7169035	T.I.N.:	169-824-299
ISS. AT:	G.S.C.	DATE:	01-05-2017

PROJECT TITLE / LOCATION

PROPOSED CANTEEN AND STUDENT ACTIVITY CENTER
PSHS-SOCCSKSARGEN Campus, Brgy. Paraiso, Koronadal City

APPROVED BY

CHUCHI P. GARGANERA, PH. D.
OWNER

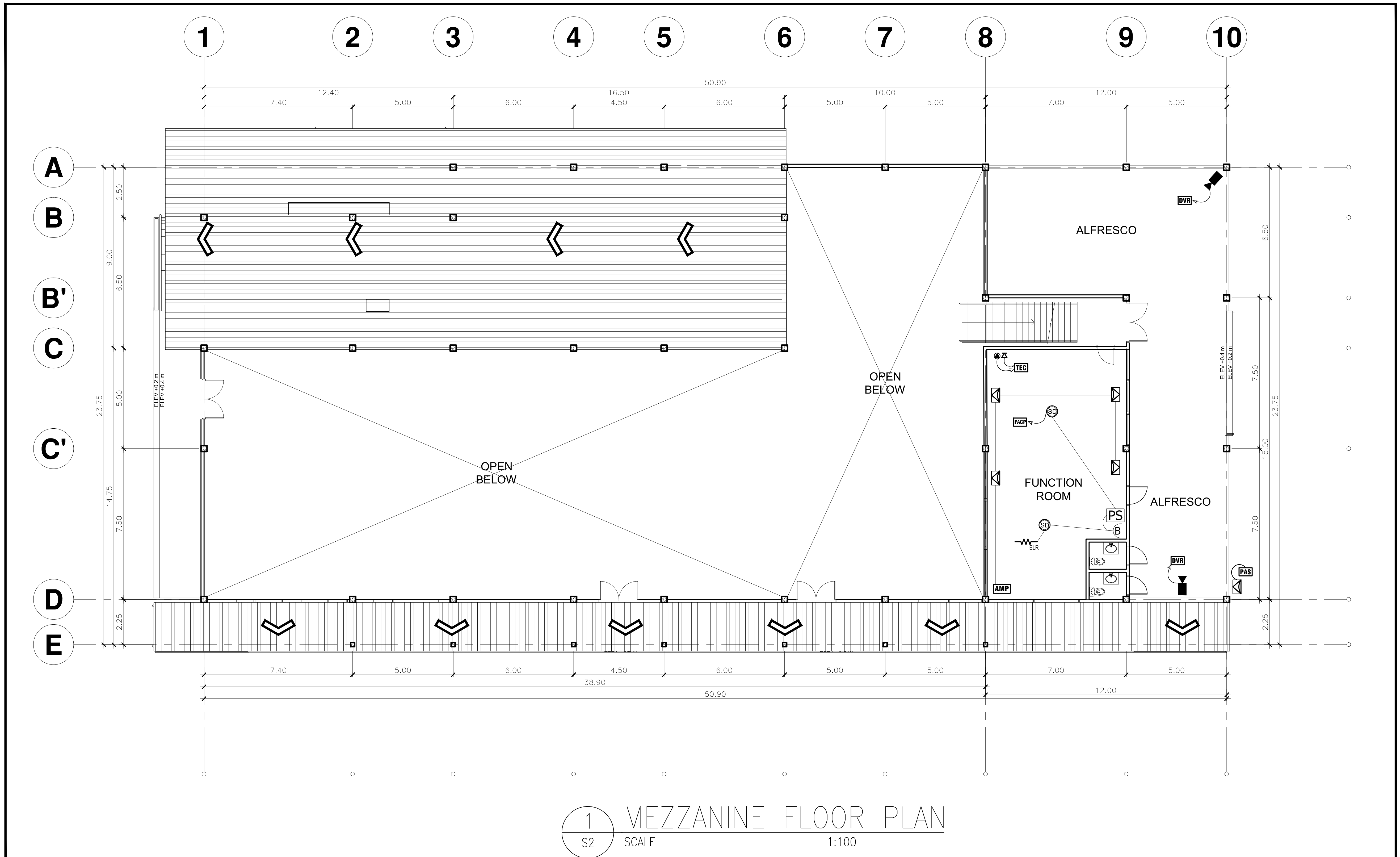
ADDRESS: PSHS-SOCCSKSARGEN Campus, Brgy. Paraiso, Koronadal City

PREPARED BY:
CYRIL LLOYD OMANDAM
DRAFTING STAFF

CHECKED BY:

RESIDENT ENGINEER

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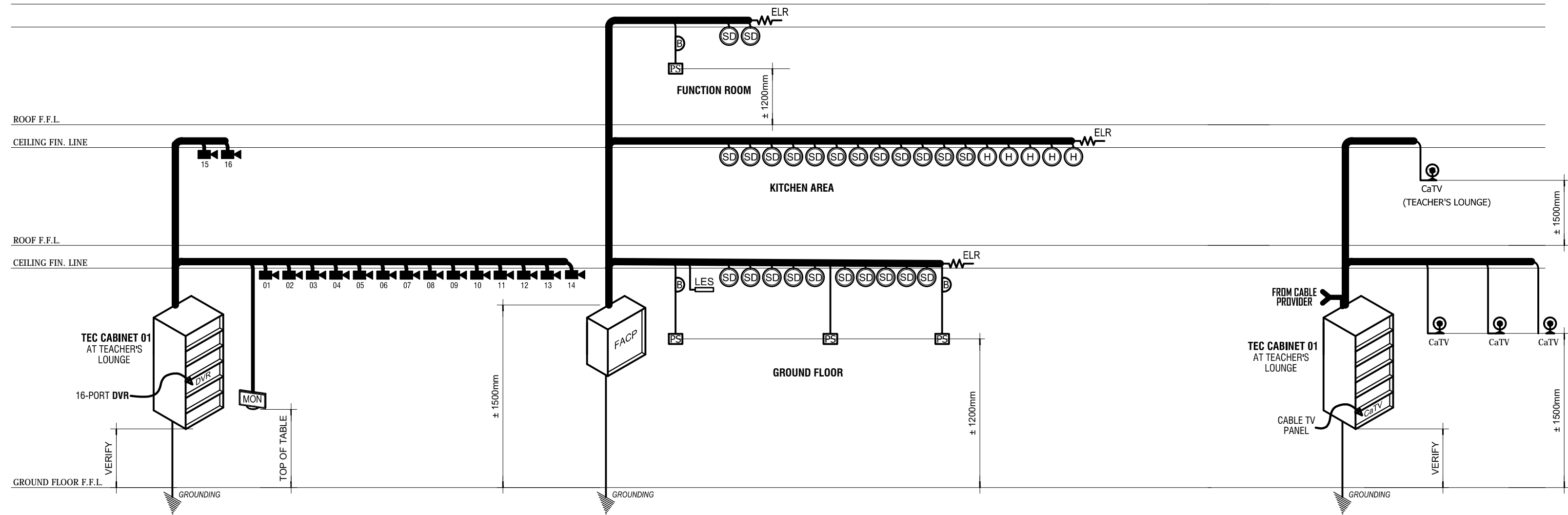


1 MEZZANINE FLOOR PLAN
S2 SCALE 1:100

<p>M.T. Ang architectural designs</p> <p>PLANS • DESIGNS • ESTIMATES • CONSTRUCTION MANAGEMENT • DESIGNS BUILT • PLUMBING DESIGN</p> <p>27 P. ACHARON BOULEVARD, BRGY. DAD, SOUTH, GEN. SANTOS CITY ☎ No: 301-1917</p>	<p>MICHAEL T. ANG, fuap ARCHITECT</p>	<p>PRC: 8270 VALIDITY: 08 MAY 2018 IAPOA: 04440 141342 071615 O.R. DATE: 141342 16 JULY 15 PTR: 7193602 DATE ISS: 10 JAN 2017 PLACE ISS: GSC TIN: 123-875-856</p>	<p>SECTION 33 of RA 9266 Drawing & specifications & other contract documents duly signed, stamp or sealed, as instruments of service, are the intellectual property and documents of the architect, whether the object for which they are made is executed or not it shall be unlawful for any person to duplicate or to make copies of said documents for use in the repetition of & for other projects or buildings, whether executed partly or in whole, without the written consent of architect or author of said documents.</p>	<p>DARWIN D. NISPEROS, IECEP PROF. ELECTRONICS & COMM. ENGR.</p> <p>P.R.C. No.: 0472 IECEP No.: 09-09657.2018 P.T.R. No.: 7169035 T.I.N.: 169-824-299 ISS. AT: G.S.C. DATE: 01-05-2017</p>	<p>PROJECT TITLE / LOCATION PROPOSED CANTEN AND STUDENT ACTIVITY CENTER PSHS-SOCCSKSARGEN Campus, Brgy. Paraiso, Koronadal City</p>	<p>APPROVED BY CHUCHI P. GARGANERA, PH. D. OWNER ADDRESS: PSHS-SOCCSKSARGEN Campus, Brgy. Paraiso, Koronadal City</p>	<p>PREPARED BY: CYRIL LLOYD OMANDAM DRAFTING STAFF CHECKED BY: #### RESIDENT ENGINEER</p>	<p>SHEET NO. ECE- 02 32 33</p>
		<p>FILE NAME: CANTEN_ECE.dwg August 21, 2017</p>						

ELECTRONIC NOTES:

- ALL ELECTRONIC WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PROVISION OF THE LATEST EDITION OF THE PHIL. ELECTRONIC CODE, THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITIES AND THE REQUIREMENTS OF THE POWER COMPANY.
- ALL ELECTRONIC WORKS INCLUDED HEREIN SHALL BE EXECUTED BY ELECTRONIC TECHNICIAN UNDER THE DIRECT SUPERVISION OF A FULL-TIME LICENSED/PROF. ELECTRONIC AND COMMUNICATION ENGINEER. WORKS SHALL BE NEATLY PLACED, SECURELY FASTENED AND PROPERLY FINISHED.
- THE CONTRACTOR SHALL VERIFY AND ORIENT THE ACTUAL LOCATION OF SERVICE ENTRANCE FOR CONNECTION TO COMMUNICATION SUPPLY.
- ALL MATERIALS SHALL BE BRAND NEW AND SHALL CONFORM WITH THE PROVISIONS OF THE UNDERWRITERS LABORATORIES INC. IN EVERY CASE WHERE SUCH A STANDARD HAS BEEN ESTABLISHED.
- ALL CONDUITS MUST BE PROTECTED AGAINST DAMAGES BY THE ENTRANCE OF WATER AND FOREIGN MATTERS DURING CONSTRUCTION. ALL ENDS OF CONDUITS SHALL BE PLUGGED TO EXCLUDE MOISTURE AND DUST IMMEDIATELY AFTER THE CONDUITS ARE PLACED.
- UNLESS OTHERWISE SPECIFIED, ALL ELECTRONIC WIRING INSTALLATION SHALL BE USED RSC PIPE. THE MINIMUM SIZE OF CONDUIT SHALL BE 15mm Ø.
- ALL OUTLET BOXES SHALL BE GALVANIZED GA. 16, DEEP-TYPE WITH FACTORY KNOCKOUTS. PULLBOXES SHALL BE USED WHEN APPLICABLE FOR EASY PULLING OF WIRES AND SHALL BE IN ACCORDANCE WITH THE PHILIPPINE ELECTRONIC CODE REQUIREMENTS. PREFERRED BRAND FOR JUNCTION, PULLBOX OR UTILITY SQUARE BOXES SHALL BE FUMACO, AMCU, TIMCO, OR APPROVED EQUAL.
- MOUNTING HEIGHTS OF DEVICES SHALL BE: (SUBJECT TO ARCHITECT'S APPROVAL PRIOR TO INSTALLATION), DATA OUTLET SHALL BE 0.30m ABOVE FINISHED FLOOR TO CENTER OF DEVICE.
- THE PLANS AS DRAWN ARE BASED UPON THE ARCHITECTURAL PLANS AND THE DETAILS AND SHOWN CONDITION AS ACCURATELY AS IT IS POSSIBLE TO INDICATE THEM IN SCALE, THE PLANS ARE DIAGRAMMATICAL AND DOES NOT NECESSARY SHOW ALL FITTINGS NECESSARY TO FIT TO THE BUILDING CONDITIONS. THE LOCATIONS OF OUTLETS, APPARATUS AND APPLIANCES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THEIR PROPER LOCATION IN ORDER TO MAKE THEM FIT WITH THE ARCHITECTURAL DETAILS AND INSTRUCTIONS FROM THE ENGINEER'S REPRESENTATIVE AT THE SITE.



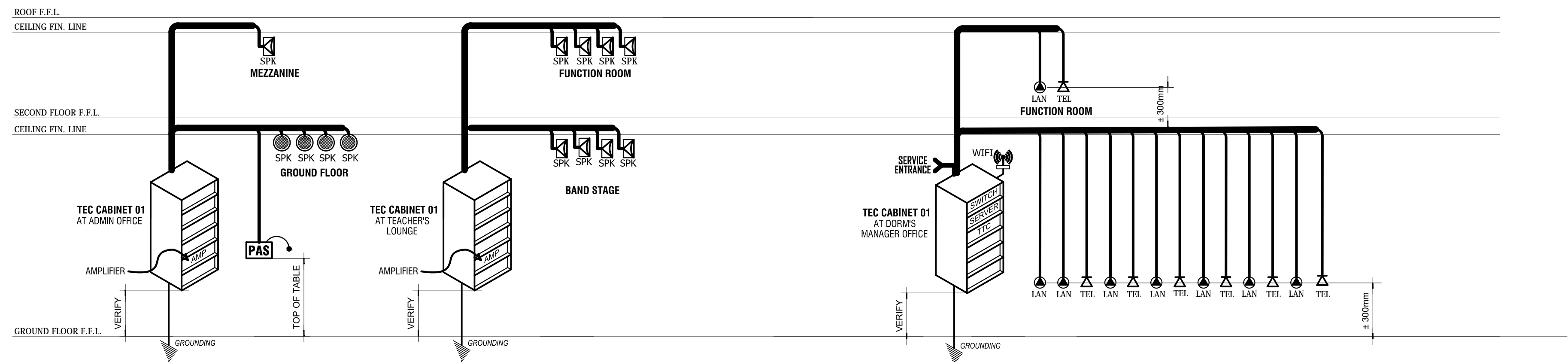
SECURITY SYSTEM

FIRE DETECTION & ALARM SYSTEM

CABLE TV

LEGEND/SYMBOLS/ ABBREVIATIONS:

FACP	- FIRE ALARM CONTROL PANEL
SD	- SMOKE DETECTOR
B	- FIRE ALARM BELL
PS	- FIRE ALARM PULL STATION
ELR	- END OF LINE RESISTOR
PAS	- PUBLIC ADDRESS SYSTEM
AMP	- AMPLIFIER
SPK	- SPEAKER (ceiling-mounted type)
SPK	- SPEAKER (wall-mounted type)
CH	- CIRCUIT HOMERUN
PC	- COMPUTER
CC	- CCTV CAMERA
DVR	- DIGITAL VIDEO RECORDER
MON	- CCTV MONITOR
LAN	- LOCAL AREA NETWORK
LAN	- LAN OUTLET
TEL	- TELEPHONE OUTLET
TEC	- TELECOM CABINET (wall-hung type)
CaTV	- CABLE TV OUTLET
SE	- SERVICE ENTRANCE
GR	- GROUNDING
WIFI	- WIFI ROUTER (access point)



PUBLIC ADDRESS SYSTEM

LOCAL AREA NETWORK, WIFI & TELEPHONE

01 SINGLE LINE RISER DIAGRAMS
SCALE: NTS

M.T. Ang
architectural designs
PLANS • DESIGNS • ESTIMATES • CONSTRUCTION MANAGEMENT •
DESIGNS BUILT • PLUMBING DESIGN
27 P. ACHARON BOULEVARD, BRGY. DAD. SOUTH. GEN. SANTOS CITY | No: 301-1917

MICHAEL T. ANG, fuap
ARCHITECT

P.R.C. No.	000
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ISS. AT: G.S.C. T.I.N.: 10000400

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ECE-03
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