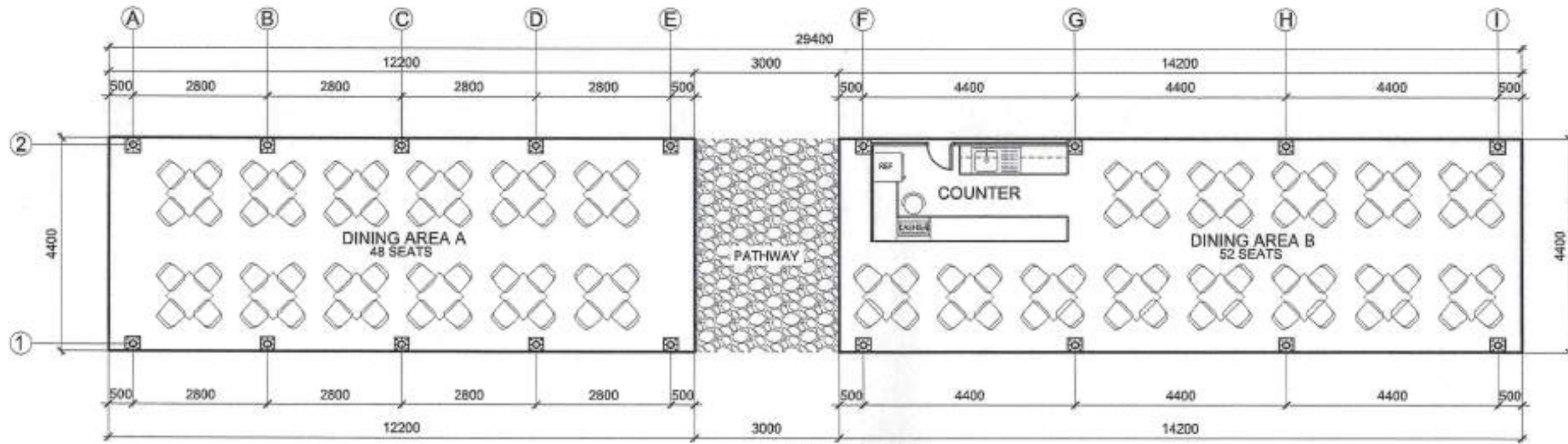


1 SITE DEVELOPMENT PLAN
A/2 SCALE N.T.S.

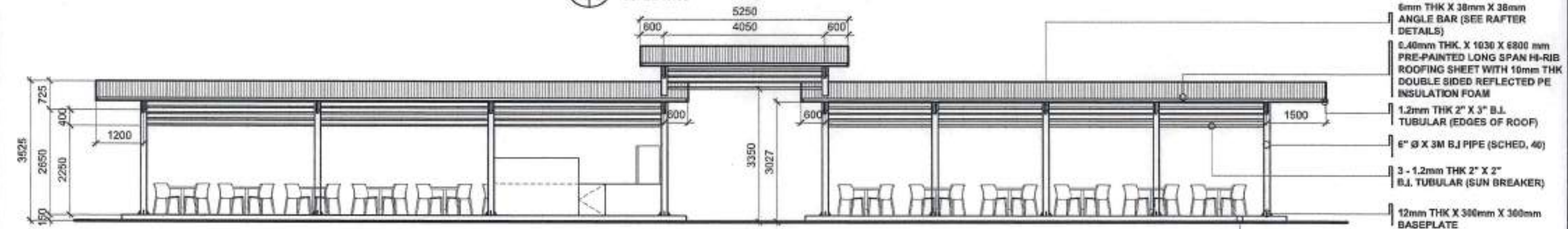
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	ARCH. JOSEPH ANDREW L. SAHIAL UNIVERSITY ARCHITECT PRC: 0010557 PTR: 2792209 TIN: 445-013-228	CONSTRUCTION OF AL-FRESCO FOR THE UNIVERSITY FOOD SERVICE CENTER LOCATION: WMSU LOT-8, BARANGAY BALIWASAN, ZC	DR. FREDELINO M. SAN JUAN VIC. VICE PRESIDENT FOR RESOURCE GENERATION	ARCH. JOSEPH ANDREW L. SAHIAL DIRECTOR FOR PHYSICAL PLANT & ENGINEERING SERVICES PRC: 0010557 PTR: 2792209 TIN: 445-013-228	JOSELITO D. MADRONAL, DPA VICE PRESIDENT FOR ADMINISTRATION AND FINANCE	MA. CARLA OCHOTORENA, RN, PhD UNIVERSITY PRESIDENT	SITE DEVELOPMENT PLAN C. VALDEZ	A2 0211





1
A/3
AREA = 116.16 SQ.M.
FLOOR PLAN
SCALE 1:100



2
A/3
FRONT ELEVATION
SCALE 1:100



3
A/3
REAR ELEVATION
SCALE 1:100

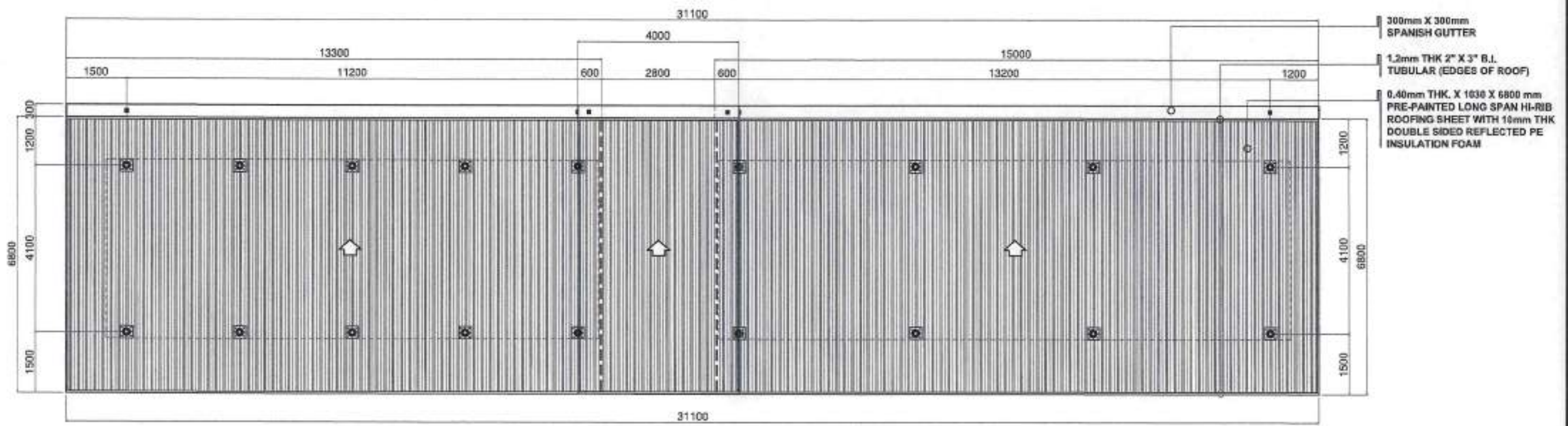
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	ARCH. JOSEPH ANDREW L. SAHAI UNIVERSITY ARCHITECT PRC: 0010557 PTR: 2792259 TIN: 445-013-228	CONSTRUCTION OF AL-FRESCO FOR THE UNIVERSITY FOOD SERVICE CENTER LOCATION: WMSU LOT-8, BARANGAY BALIWASAN, ZC	DR. FREDELINDA M. SAN JUAN OIC VICE PRESIDENT FOR RESOURCE GENERATION	ARCH. JOSEPH ANDREW L. SAHAI DIRECTOR FOR PHYSICAL PLANT & ENGINEERING SERVICES PRC: 0010557 PTR: 2792259 TIN: 445-013-228	JOSELITO D. MADRONAL, DPA VICE PRESIDENT FOR ADMINISTRATION AND FINANCE	MA. CARLA C. ECHOTORENA, RN, PhD UNIVERSITY PRESIDENT	FLOOR PLAN FRONT ELEVATION REAR ELEVATION DRAWN BY: C. VALDEZ	A3 0311 

- 300mm X 300mm SPANISH GUTTER (SEE DETAILS)
- 4mm THK X 38mm X 38mm ANGLE BAR W/ 12mm SQUARE BAR (SEE RAFTER DETAILS)
- 0.40mm THK, X 1030 X 6800 mm PRE-PAINTED LONG SPAN HI-RIB ROOFING SHEET WITH 10mm THK DOUBLE SIDED REFLECTED PE INSULATION FOAM
- 1.2mm THK 2" X 3" B.I. TUBULAR (EDGES OF ROOF)
- 1.2mm THK X 2" X 3" C-PURLINS
- 6" Ø X 3M B.J PIPE (SCHED. 40)
- 3 - 1.2mm THK 2" X 2" B.I. TUBULAR (SUN BREAKER)
- 12mm THK X 300mm X 300mm BASEPLATE
- 150MM RC SLAB


1 RIGHT-SIDE ELEVATION
A/4 SCALE 1:50

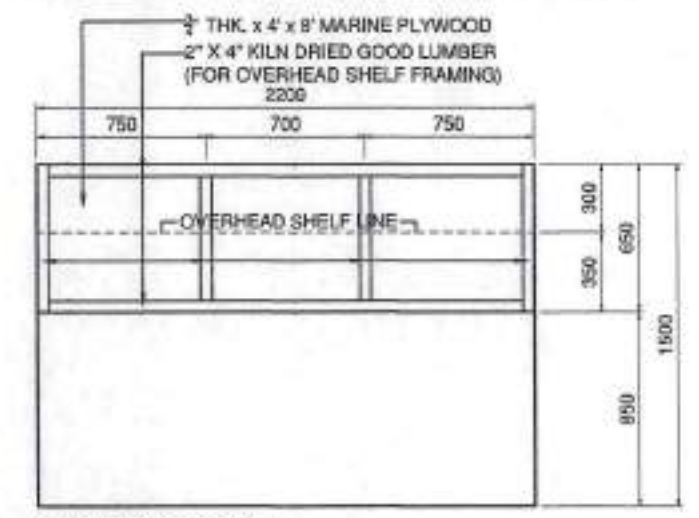
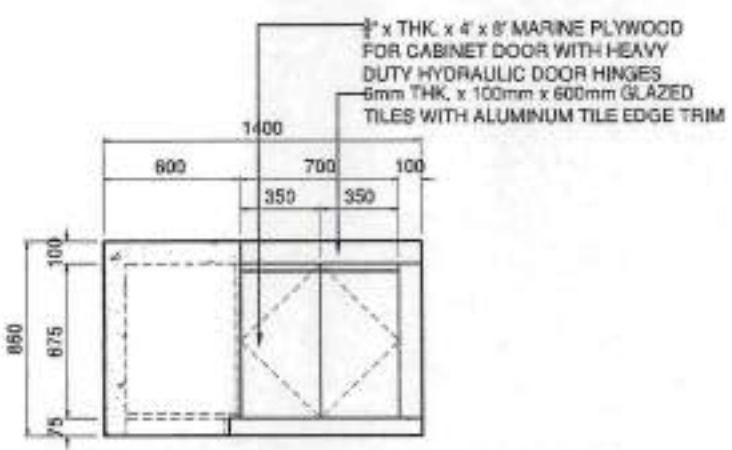
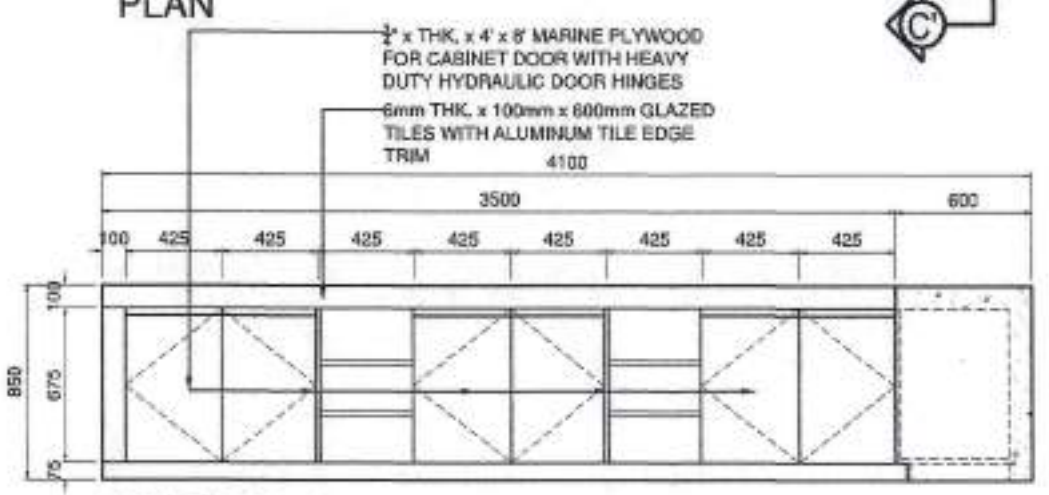
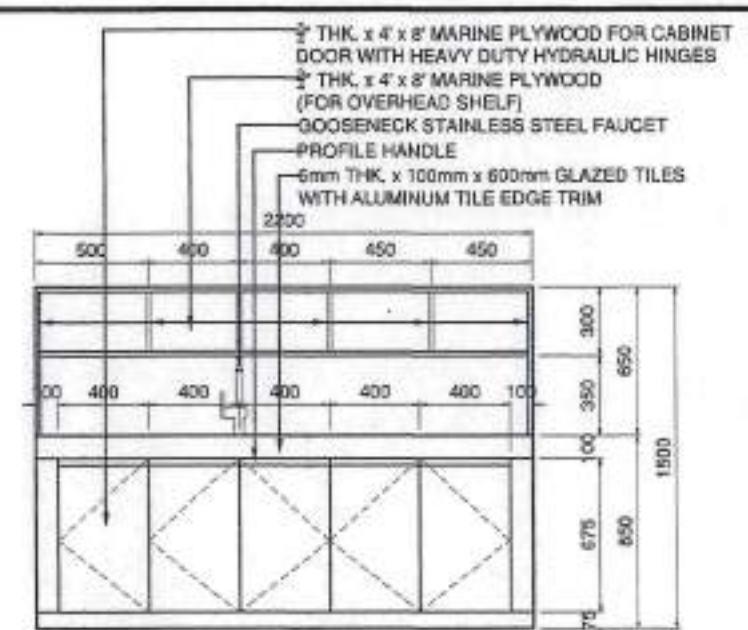
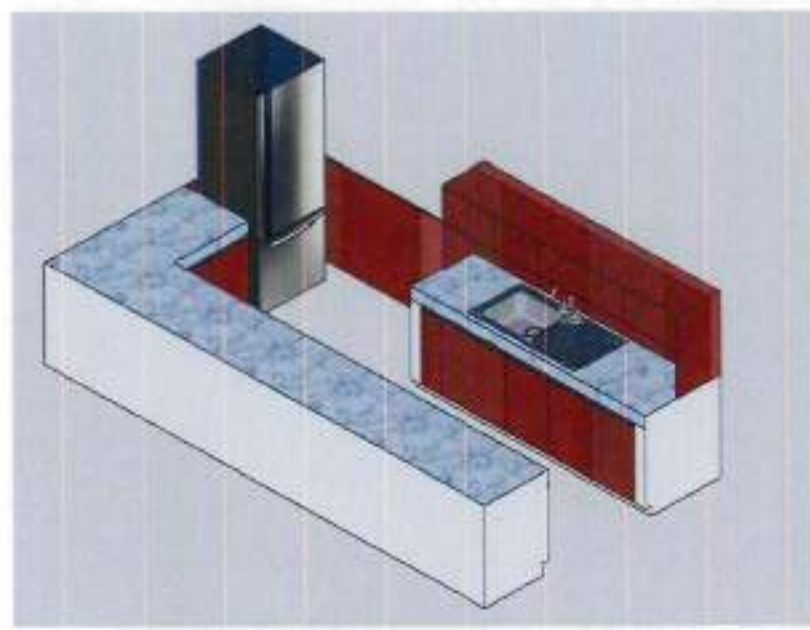
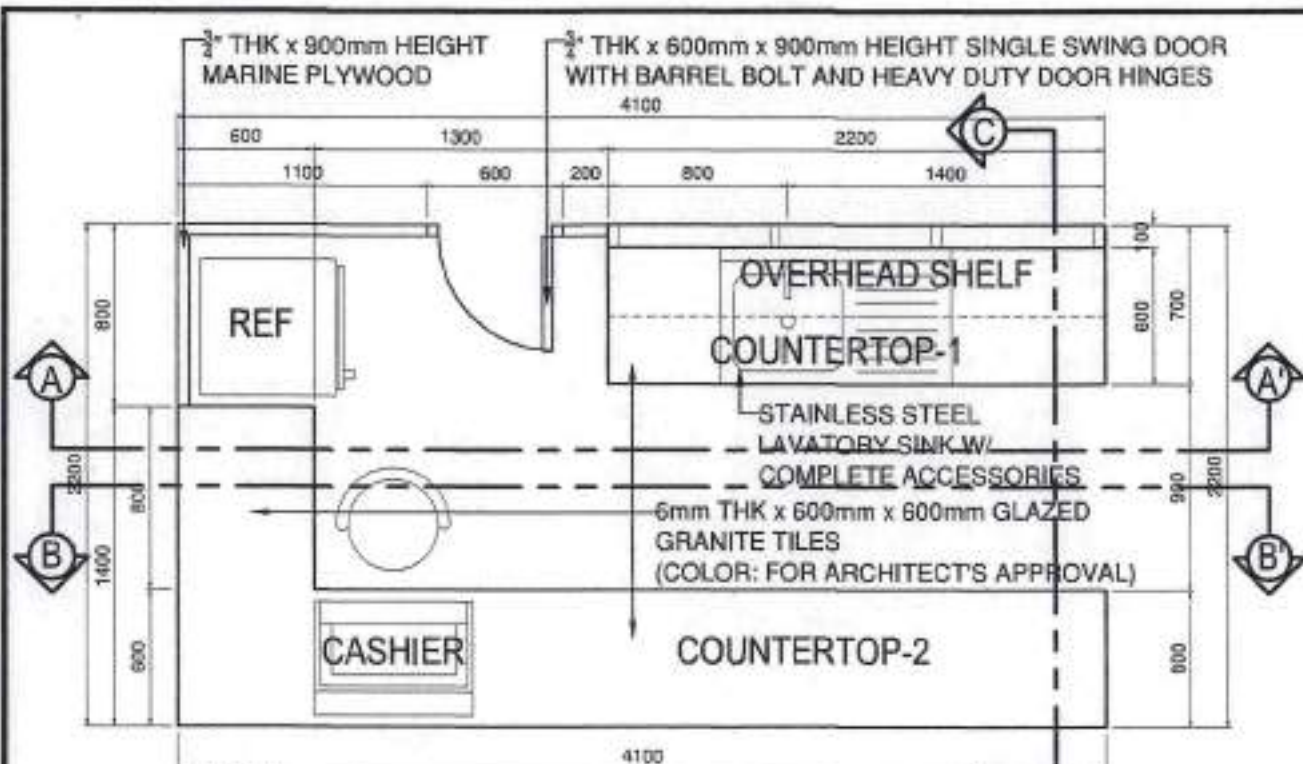
- 300mm X 300mm SPANISH GUTTER (SEE DETAILS)
- 4mm THK X 38mm X 38mm ANGLE BAR W/ 12mm SQUARE BAR (SEE RAFTER DETAILS)
- 0.40mm THK, X 1030 X 6800 mm PRE-PAINTED LONG SPAN HI-RIB ROOFING SHEET WITH 10mm THK DOUBLE SIDED REFLECTED PE INSULATION FOAM
- 1.2mm THK 2" X 3" B.I. TUBULAR (EDGES OF ROOF)
- 1.2mm THK X 2" X 3" C-PURLINS
- 6" Ø X 3M B.J PIPE (SCHED. 40)
- 3 - 1.2mm THK 2" X 2" B.I. TUBULAR (SUN BREAKER)
- 12mm THK X 300mm X 300mm BASEPLATE
- 150MM RC SLAB

2 LEFT-SIDE ELEVATION
A/4 SCALE 1:50



3 TOTAL AREA: 219.64 SQ.M
A/4 ROOF PLAN
SCALE 1:50

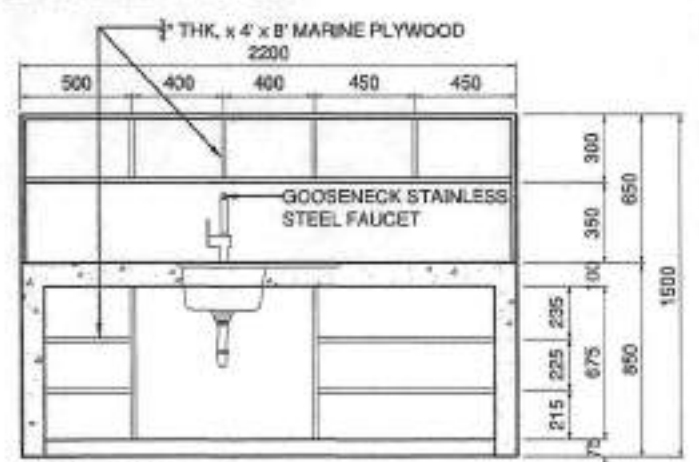
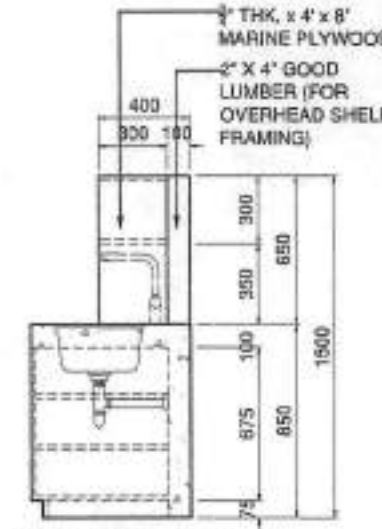
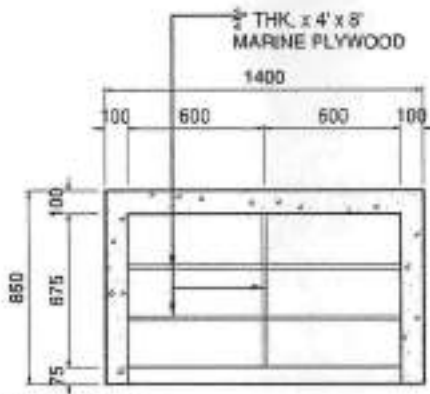
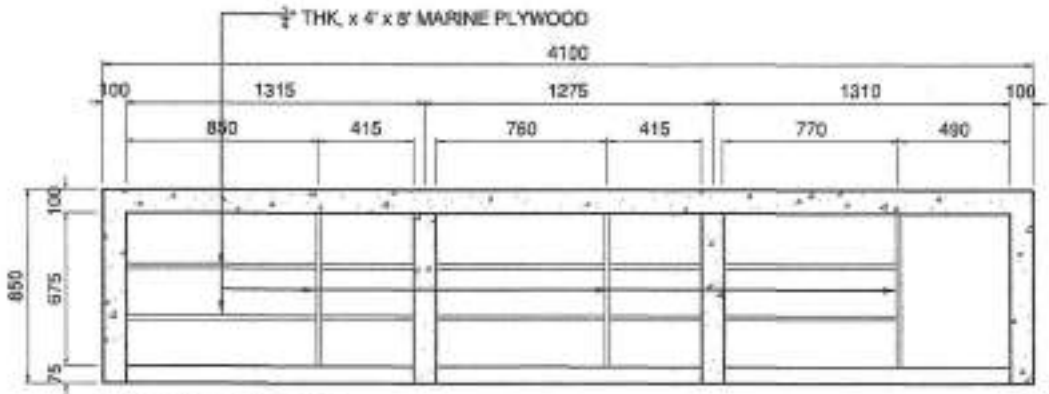
	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER:	RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.:
	ARCH. JOSEPH ANDREW L. SAHIAI UNIVERSITY ARCHITECT PRC: 0010557 PTR: 2792259 TIN: 445-013-228	CONSTRUCTION OF AL-FRESCO FOR THE UNIVERSITY FOOD SERVICE CENTER LOCATION: WMSU LOT-8, BARANGAY BALMIGAN, ZC	DR. FREDILINO A. SAN JUAN OIC VICE PRESIDENT FOR RESOURCE GENERATION	ARCH. JOSEPH ANDREW L. SAHIAI DIRECTOR FOR PHYSICAL PLANT & ENGINEERING SERVICES PRC: 0010557 PTR: 2792259 TIN: 445-013-228	JOSELITO D. MADRIGAL DPA VICE PRESIDENT FOR ADMINISTRATION AND FINANCE	MA. CARLA A. O. OTORENA, RN, PhD UNIVERSITY PRESIDENT	LEFT & RIGHT SIDE ELEVATION ROOF PLAN DRAFTED BY: E. WALBERZ	A4 0411



(COUNTERTOP - 2)
 SECTION B THRU B' (WITH DOOR)

(COUNTERTOP - 2)
 SECTION C THRU C' (WITH DOOR)

(COUNTERTOP - 1)
 REAR ELEVATION



(COUNTERTOP - 2)
 SECTION B THRU B' (WITHOUT DOOR)

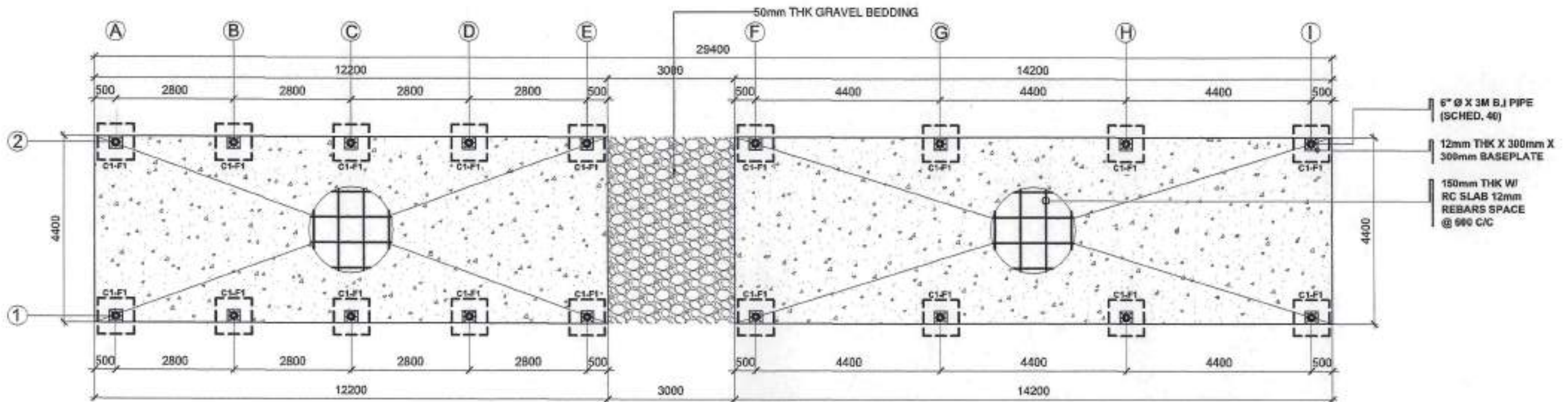
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 SECTION C THRU C' (WITHOUT DOOR)

(COUNTERTOP - 1)
 SECTION C THRU C'

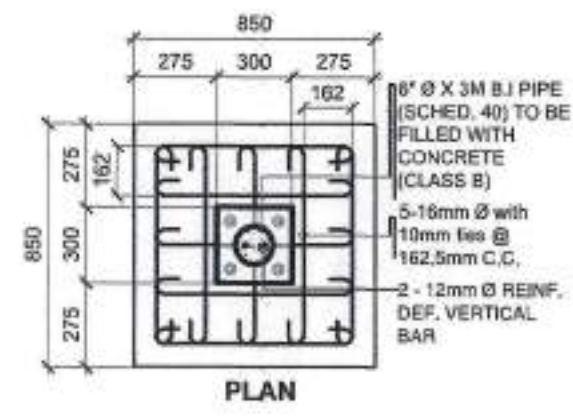
(COUNTERTOP - 1)
 SECTION C THRU C' (WITHOUT DOOR)

2 COUNTERTOP AND OVERHEAD CABINET DETAILS
 A/5 SCALE 1:30

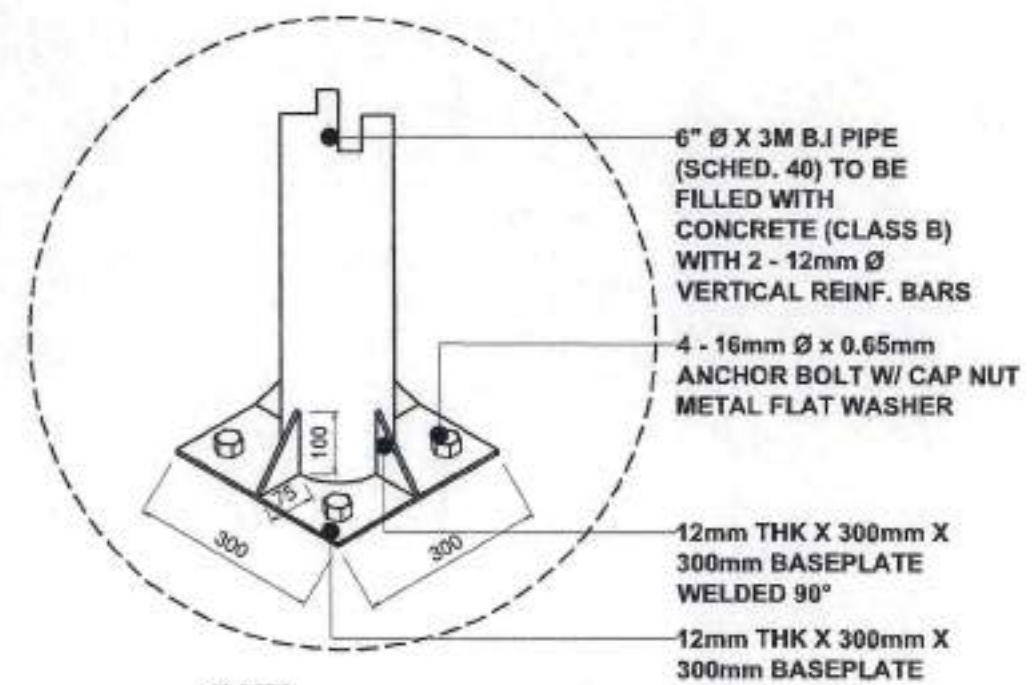
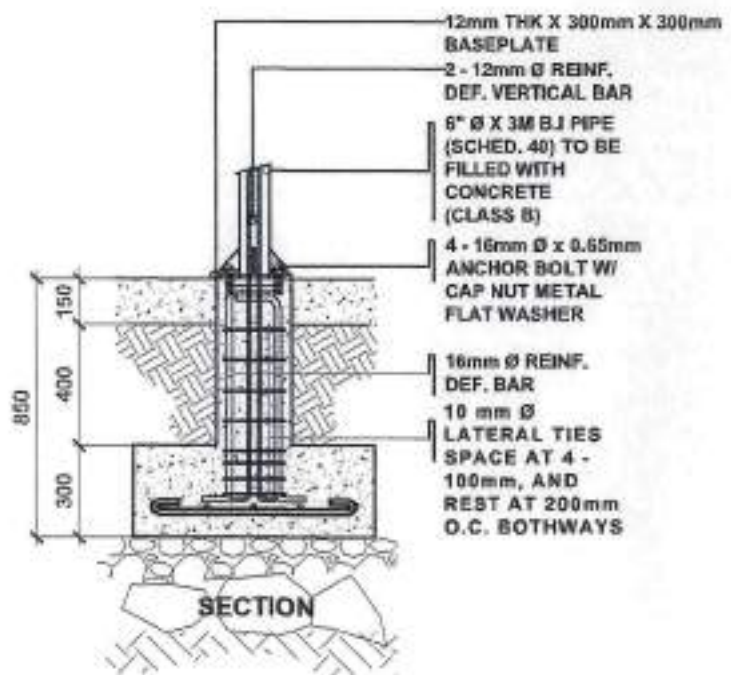
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	PRC: 0010037 PTR: 2792209 TIN: 445-013-228	LOCATION: WMSU LOT-8, BARANGAY BALIWASAN, ZC	PRC: 0010057 PTR: 2792209 TIN: 445-013-228	C. VALDEZ					





1 FOUNDATION PLAN
SCALE 1:100

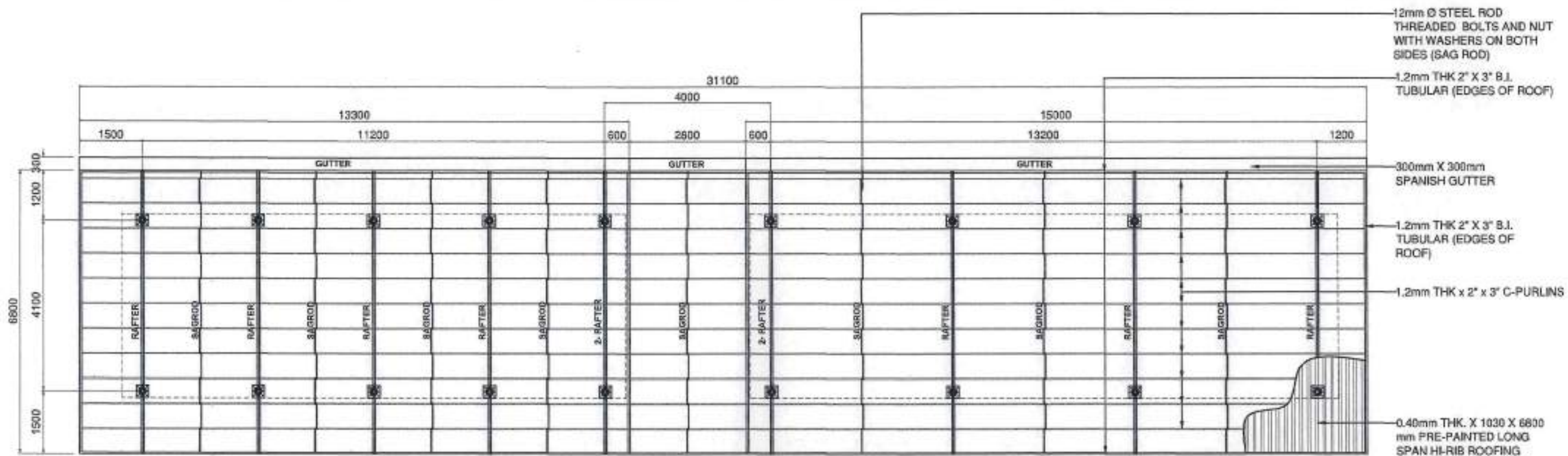


2 C1-F1 DETAIL
SCALE 1:30

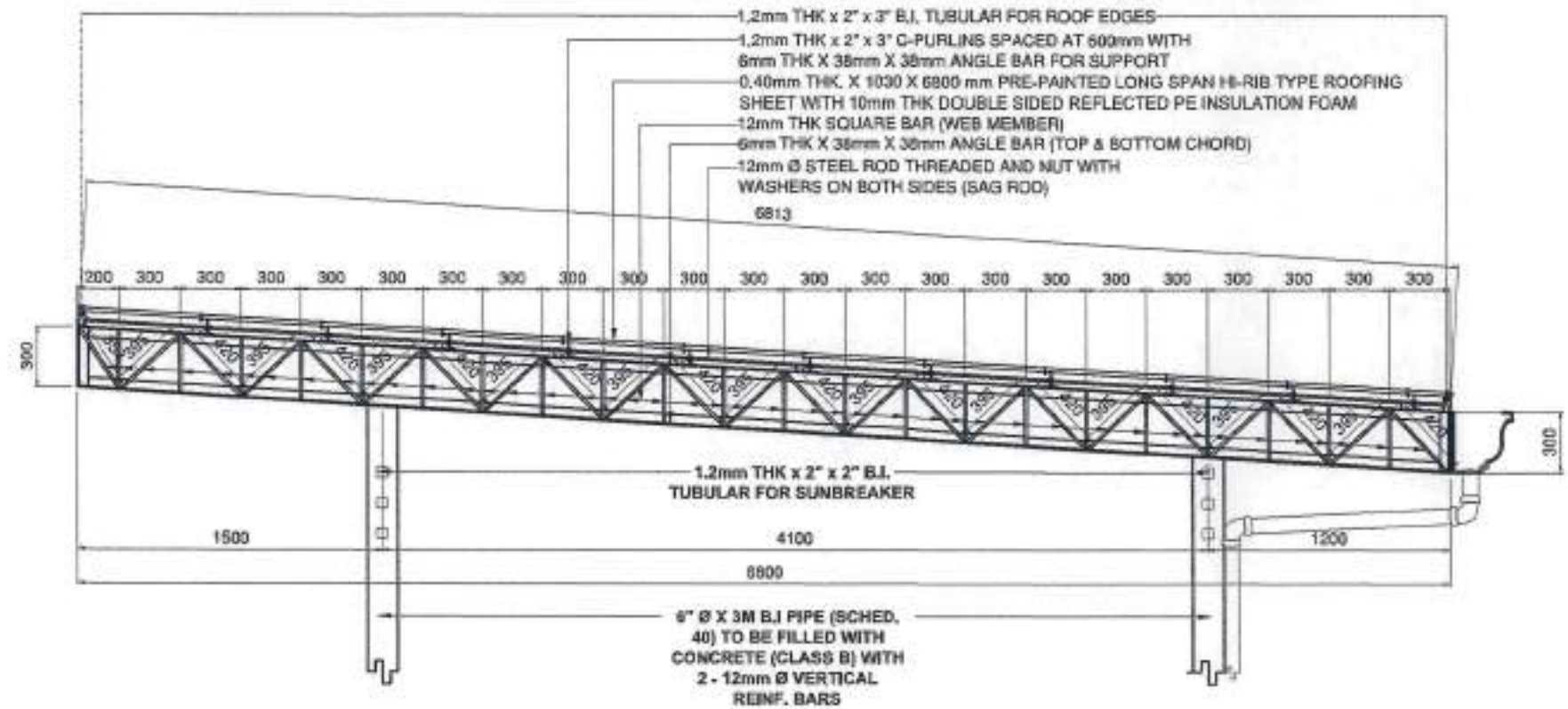


3 STEEL POST BLOW-UP DETAILS
SCALE 1:10

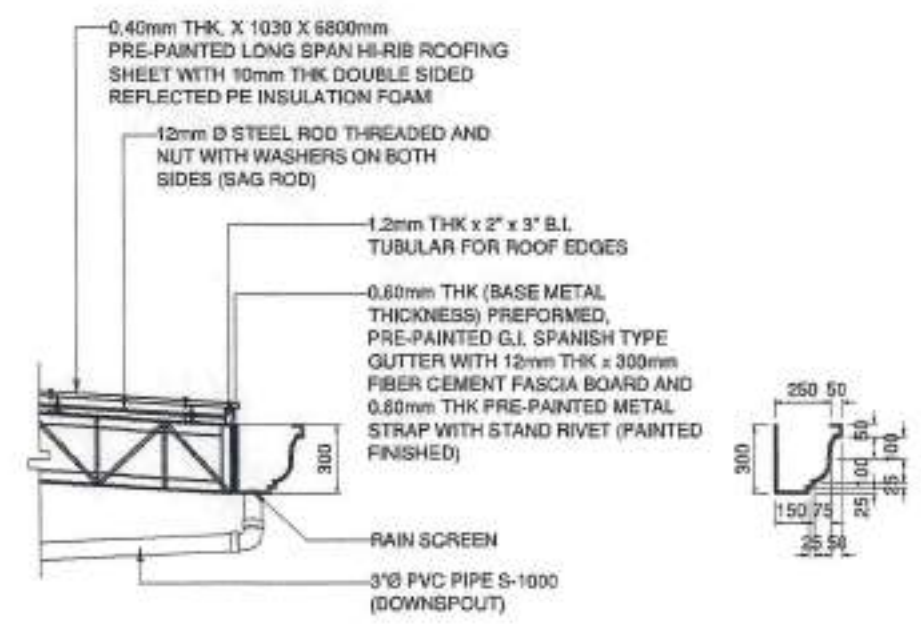
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	ENGR. AHMEDZAINI MASALUDDIN, MS STE. TECHNICAL ASSOCIATE FOR INFRASTRUCTURE PRC: 0149752 BTR: TBN: 949-722-47	CONSTRUCTION OF AL-FRESCO FOR THE UNIVERSITY FOOD SERVICE CENTER LOCATION: WBSU LOT-8, BARAMGAY SALIWASAN, ZC	DR. FREDERICO A. SERRANO OIC VICE PRESIDENT FOR RESEARCH & INNOVATION	ARCH. JOSEPH ANDREW L. SAHAL DIRECTOR FOR PHYSICAL PLANT & ENGINEERING SERVICES PRC: 0010557 FTR: 2752209 TIN: 445-013-226	JOSELITO V. MADRIGNAN, DPA VICE PRESIDENT FOR ADMINISTRATION AND FINANCE	MA. CARLA A. OCHOTORENA, RN, PhD UNIVERSITY PRESIDENT	FOUNDATION PLAN C1-F1 DETAILS STEEL POST BLOW-UP DETAILS DRAWN BY: C. VALDEZ	S1 0611	



1 ROOF FRAMING PLAN
SCALE 1:100

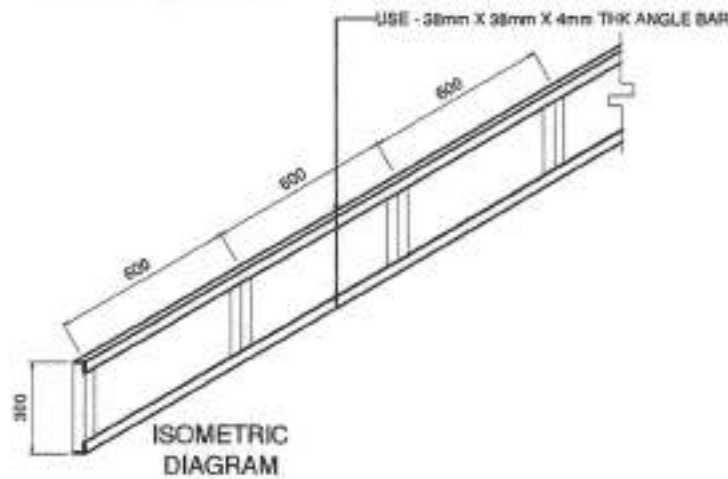
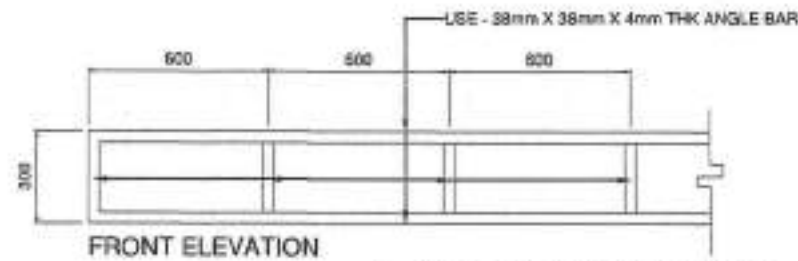


2 RAFTER DETAILS
SCALE 1:30

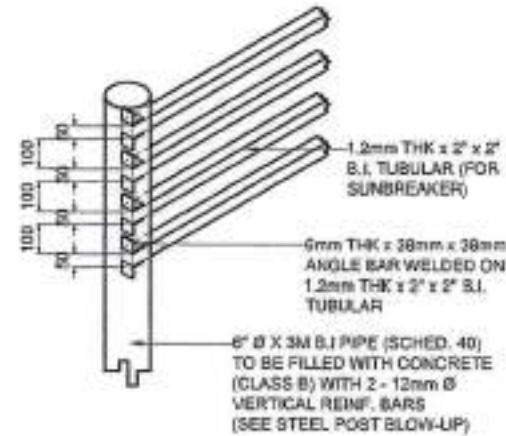


3 SPANISH GUTTER DETAILS
SCALE 1:30
TOTAL LINEAR METER: 32.30 LINER METERS

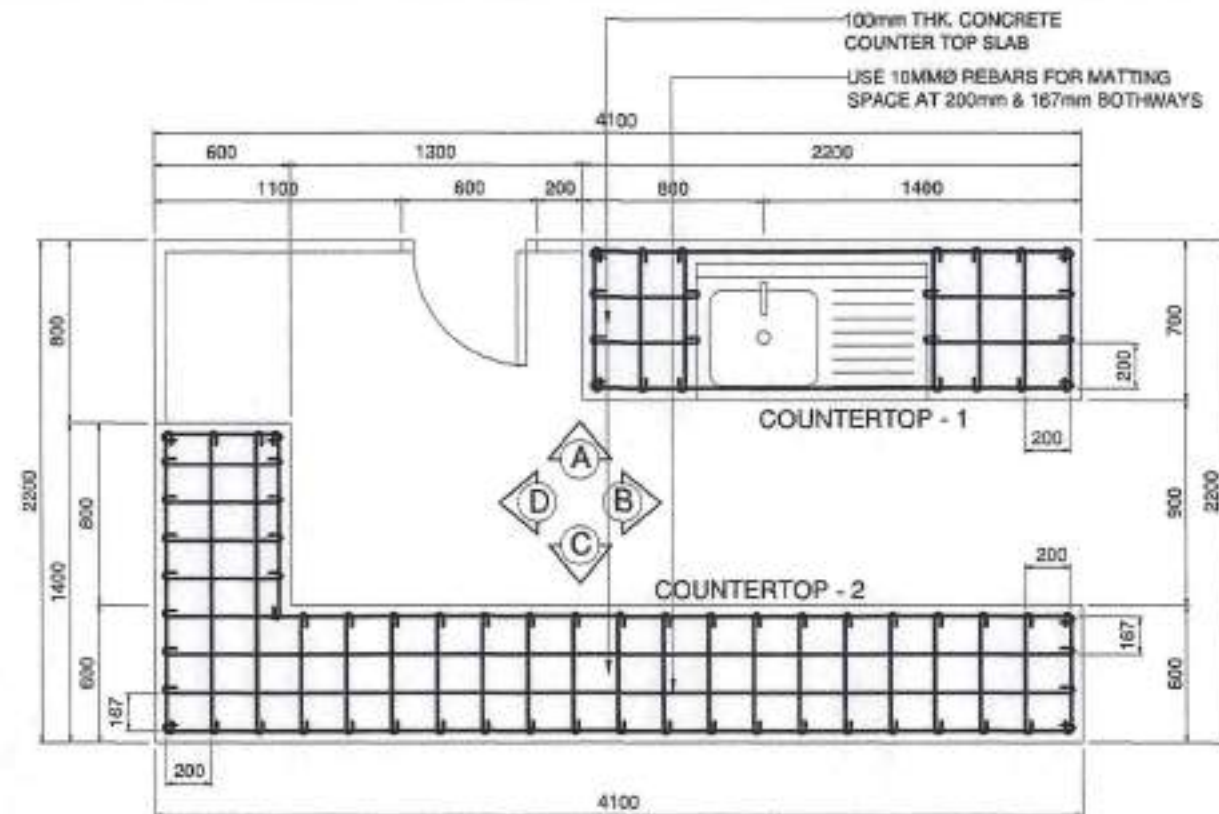
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	ENGR. AHMEDZAM S. NASALUDDIN, MS STE TECHNICAL SUPERVISOR FOR INFRASTRUCTURE PRC: 0149732 PTR: TIN: 349-722-47	CONSTRUCTION OF AL-FRESCO FOR THE UNIVERSITY FOOD SERVICE CENTER LOCATION: WMSU LOT-8, BARANGAY BALIWASAN, ZC	DR. FREDILINDA SAN JUAN DIC VICE PRESIDENT FOR RESOURCE GENERATION	ARCH. JOSEPH ANDREW L. SAHAL DIRECTOR FOR PHYSICAL PLANT & ENGINEERING SERVICES PRC: 0010557 PTR: 2752202 TIN: 445-012-226	JOSELITO D. MADROÑAL, DPA VICE PRESIDENT FOR ADMINISTRATION AND FINANCE	MA. CARLA A. OCHOTORENA, RN, PhD UNIVERSITY PRESIDENT	ROOF FRAMING PLAN RAFTER DETAILS SPANISH GUTTER DETAILS C. VALDIZ	S1 0711



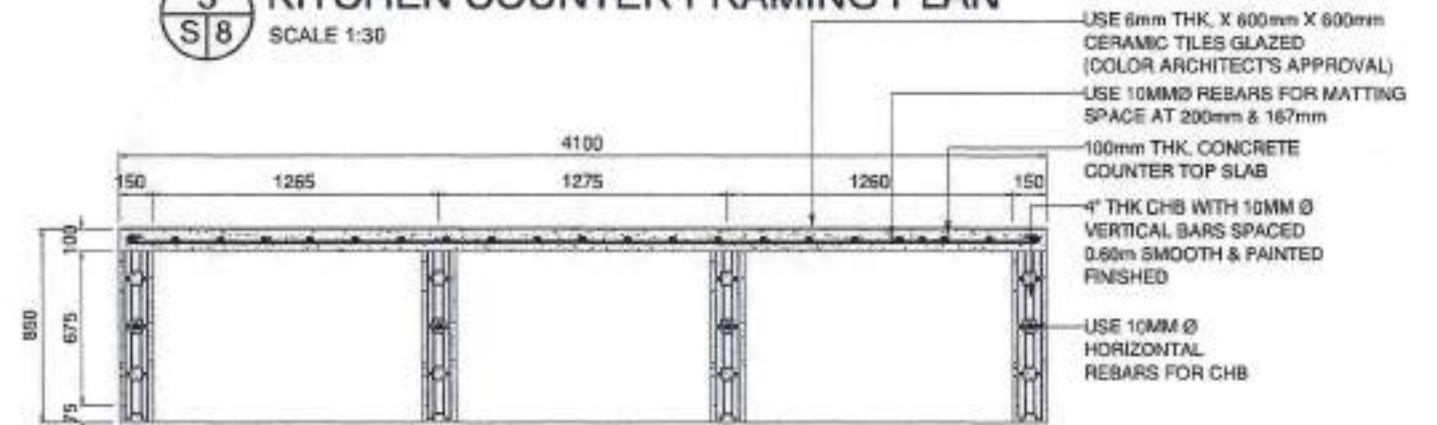
1
S/8
TOTAL LINEAR METER: 32.30 LINER METERS
FASCIA COVER DETAILS
SCALE: 1:20



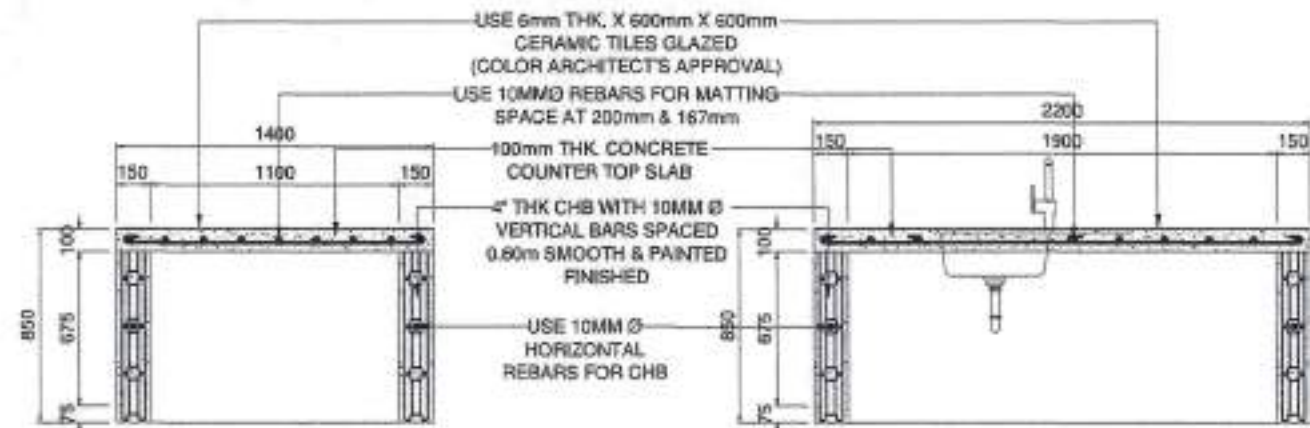
2
S/8
TOTAL LINEAR METER: 250.05 LINEAR METERS
SUNBREAKER CONNECTION DETAILS
SCALE: 1:20



3
S/8
KITCHEN COUNTER FRAMING PLAN
SCALE 1:30



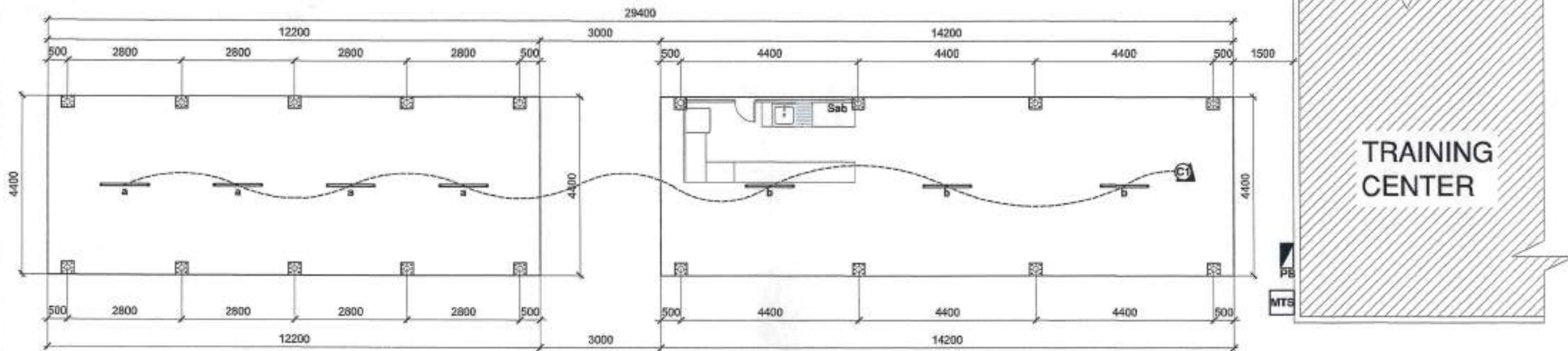
(COUNTERTOP - 2)
ELEVATION - C FRAMING DETAILS



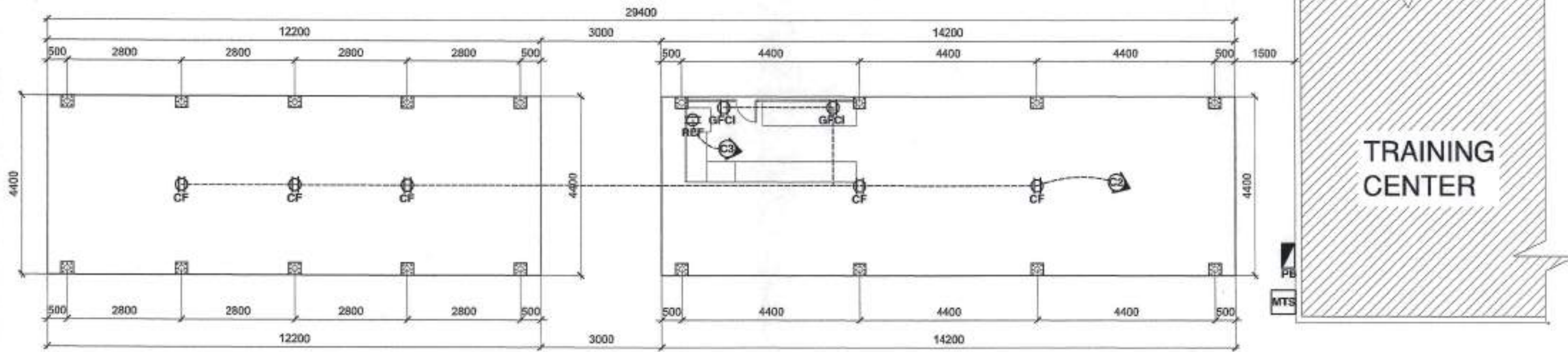
(COUNTERTOP - 2)
ELEVATION - D FRAMING DETAILS

(COUNTERTOP - 1)
ELEVATION - A FRAMING DETAILS



	DESIGNED BY: ENGR. AHMEDZAM S. NASALUDDIN MS-STE. TECHNICAL ASSOCIATE FOR INFRASTRUCTURE	PROJECT TITLE: CONSTRUCTION OF AL-FRESCO FOR THE UNIVERSITY FOOD SERVICE CENTER	REQUISITIONER: DR. FREDERICK M. SAN JUAN CIC VICE PRESIDENT FOR RESOURCE GENERATION	RECOMMENDING APPROVAL: ARCH. JOSEPH ANDREW L. SAHAL DIRECTOR FOR PHYSICAL PLANT & ENGINEERING SERVICES	RECOMMENDING APPROVAL: JOSELITO D. MADRONAL DPA VICE PRESIDENT FOR ADMINISTRATION AND FINANCE	APPROVED BY: MA. CARLA A. SCHOTORENA, RN, PhD UNIVERSITY PRESIDENT	SHEET CONTENTS: SUNBREAKER CONNECTION DETAILS FASCIA COVER DETAILS KITCHEN COUNTER FRAMING PLAN DRAWN BY: C. VALDEZ	SHEET NO. S2 0811	
	PRC: 0149752 PTR: TIN: 948722-47	LOCATION: WMBU LOT-8, BARANGAY BALWASAN, ZC	PRC: 0010557 PTR: 2792209 TIN: 445-013-229						



1 LIGHTING LAYOUT
 E9 SCALE 1:100



AREA = 116.16 SQ.M.
2 POWER LAYOUT
 E9 SCALE 1:100

	REVIEWED AND CHECKED BY:	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER:	RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	SHEET NO.:	
	PROFESSIONAL ELECTRICAL ENGINEER	ENGR. RICARDO B. GONZALES UNIVERSITY ELECTRICAL ENGINEER	CONSTRUCTION OF AL-FRESCO FOR THE UNIVERSITY FOOD SERVICE CENTER	DR. FREDERICK SAN JUAN OIC VICE PRESIDENT FOR RESOURCE GENERATION	ARCH. JOSEPH ANDREW L. SAHIAL DIRECTOR FOR PHYSICAL PLANT & ENGINEERING SERVICES	JOSELITO D. MADRORAL, DPA VICE PRESIDENT FOR ADMINISTRATION AND FINANCE	MA. CARLA A. SCHOTORENA, RN, PhD UNIVERSITY PRESIDENT	LIGHTING AND POWER LAYOUT	E1 0911	
PRC:	PTR:	TIN:	PRC: 23797 PTR: TIR: 275-203-179	LOCATION: WMSU LOT-8, BARANGAY BALIWASAN, ZC	PRC: 0018657 PTR: 2792209 TIN: 445-813-220			ENGR. HENRY TALCATAN		

CIRCUIT NO	LOAD DESCRIPTION	WATTS	PF	CONNECTED VA	CURRENT	CIRCUIT BREAKER				CONDUCTOR			CONDUIT	
						AT	AF	KAIC	POLE	SIZE IN mm ²	SIZE (G) IN mm ²	TYPE	SIZE IN mm [∅]	TYPE
1	7 - 18w, T8 LED Tube Set	126	0.85	148.24	0.64	15	50	5	2	2.0	N/A	THHN	20	PVC
2	5 - 1gang, 3prong Ceiling mounted outlet 2 - 2gang, 3prong Ground Fault Circuit Interrupter	180	0.85	211.76	0.92	15	50	5	2	2.0	N/A	THHN	20	PVC
3	1 - Refrigerator	1,080	1.0	1,080	4.70	20	50	5	2	3.5	2.0	THHN	20	PVC
4	S P A R E	1,500		1,500	6.52									
5	S P A R E	1,500		1,500	6.52									
	T O T A L	4,386		4,440	19.30									

LOAD ANALYSIS:

$$I_L = \frac{4,440 \text{ VA}}{230\text{V}} \times 70\% = 13.51\text{A}$$

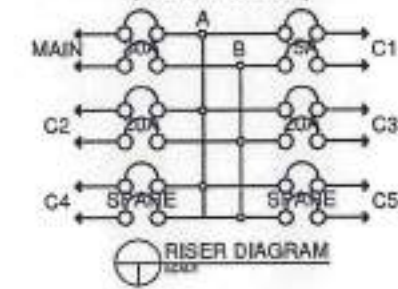
USE: 2-5.5mm² THWN + 1-3.5mm² THWN in 25mm[∅] PVC

USE: 30AT, 50AF, 60HZ, 230V, 2P MAIN CIRCUIT BREAKER, PLUG - IN TYPE (6 BRANCHES PANEL BOARD)

GENERAL SPECIFICATION:

- All works herein shall be done in accordance with the latest edition of the Philippine Electrical Code(PEC). Relatively the same, it should follow rules and regulations of the National Building Code enforced by the building official of City of Zamboanga, and of local electric cooperative the Zamboanga City Electric Cooperative (ZAMCELCO).
- Motor loads shall be provided with magnetic contactor coupled with overload relay as over-current-protection, and the setting shall be 125% of the motor full load current.
- All non-current carrying electrical materials such as motor frames, metal enclosures, pull boxes and panel shall be adequately grounded in accordance with the latest edition of the PEC.
- Electrical wiring installation shall be done in polyvinyl chloride conduits (PVC). Minimum size for all conduits shall be 20mm diameter electrical trade.
- All wires shall be copper and thermoplastic insulated type "THHN" except the Main Feeder Conductors which is THW. The minimum size for power is 3.5mm² and lighting shall be 2.0mm² and shall be color coded as follows:
Line A -Red
Line B -Black
Neutral -Yellow with green stripes
Equipment Grounding -Green
- All lamps fixtures shall be LED type and lamps shall be daylight white.
- All convenience outlet shall be three(3) prong type, to address proper grounding.
- The mounting height of all wiring devices shall be as follows:
A.Convenience outlets 300mm above floor finished or as required
B.Panel boards shall be installed 1800mm above floor finished line.
- There shall be adequate and effective equipment grounding. Ground resistance should be no more than 5 ohms. If ground resistance exceeds 5 ohms, additional ground rods shall be provided.
- Conductors, Main Breaker, Feeders and Circuit Protection to be used shall be of quality type to ensure safety.
- Grounding Electrode Conductor shall not be smaller than 80mm² copper(Cu) or 125mm² Aluminum(Al).
- All electrical installation shall be done under the direct supervision of a valid license and experienced Electrical Engineer (PEE or REE).

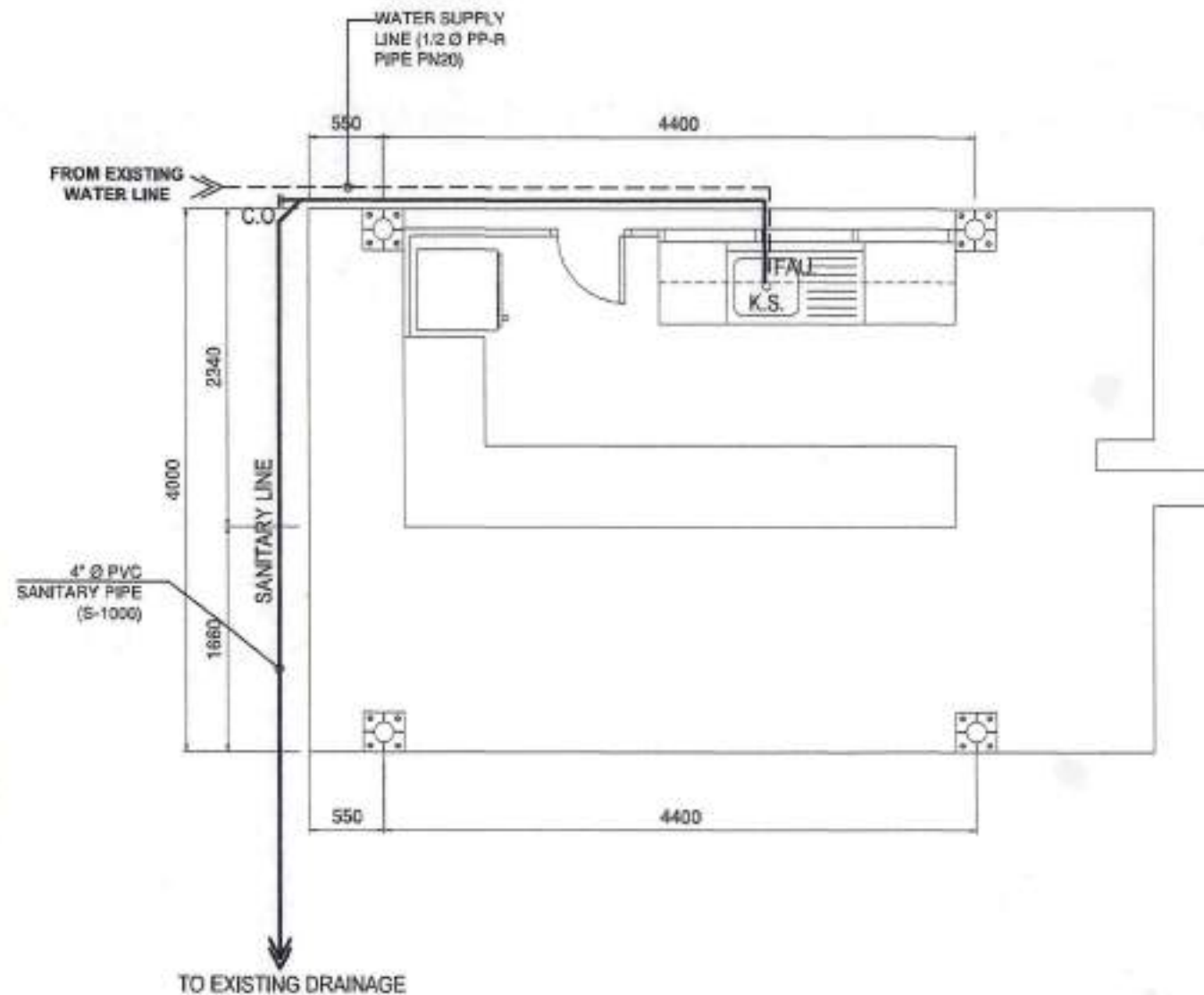
TAP TO EXISTING MTS LOCATED OUTSIDE OF THE TRAINING CENTER (UNDERGROUND)



LEGENDS

	18w T8 LED Tube Set
	2gang, 3prong Convenience Outlet
	1gang, 3prong Power outlet for ceiling fan
	2gang, 3prong Ground Fault Circuit Interrupter
	1gang, 3prong Refrigerator Outlet
	2gang Light Switch
	Panel Board
	Manual Transfer Switch
	Circuit Homerun

	REVIEWED AND CHECKED BY:	DESIGNED BY:	PROJECT TITLE:	REQUESTOR:	RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS	SHEET NO.	
	PROFESSIONAL ELECTRICAL ENGINEER	ENGR. RICARDO B. GONZALES UNIVERSITY ELECTRICAL ENGINEER	CONSTRUCTION OF AL-FRESCO FOR THE UNIVERSITY FOOD SERVICE CENTER	DR. FRIEDLINO A. SAN JUAN OIC VICE PRESIDENT FOR RESOURCE RENOVATION	ARCH. JOSEPH ANDREW L. SAHIAL DIRECTOR FOR PHYSICAL PLANT & ENGINEERING SERVICES	JOSELITO D. MADRORAL, DPA VICE PRESIDENT FOR ADMINISTRATION AND FINANCE	MA. CARLA A. BICHOTORENA, RN, PHD UNIVERSITY PRESIDENT	WIRING DIAGRAM LOAD ANALYSIS LEGENDS GENERAL NOTES DESIGNED BY: ENGR. RMT FALCATA	E2 1011	
PRC:	PTR:	TIN:	PRC: 23787 PTR: TIN: 275-203-179	LOCATION: WBSU LOT-B, BARANGAY BALIWASAN, ZC	PRC: 0010557 PTR: 2752209 TIN: 445-013-228					



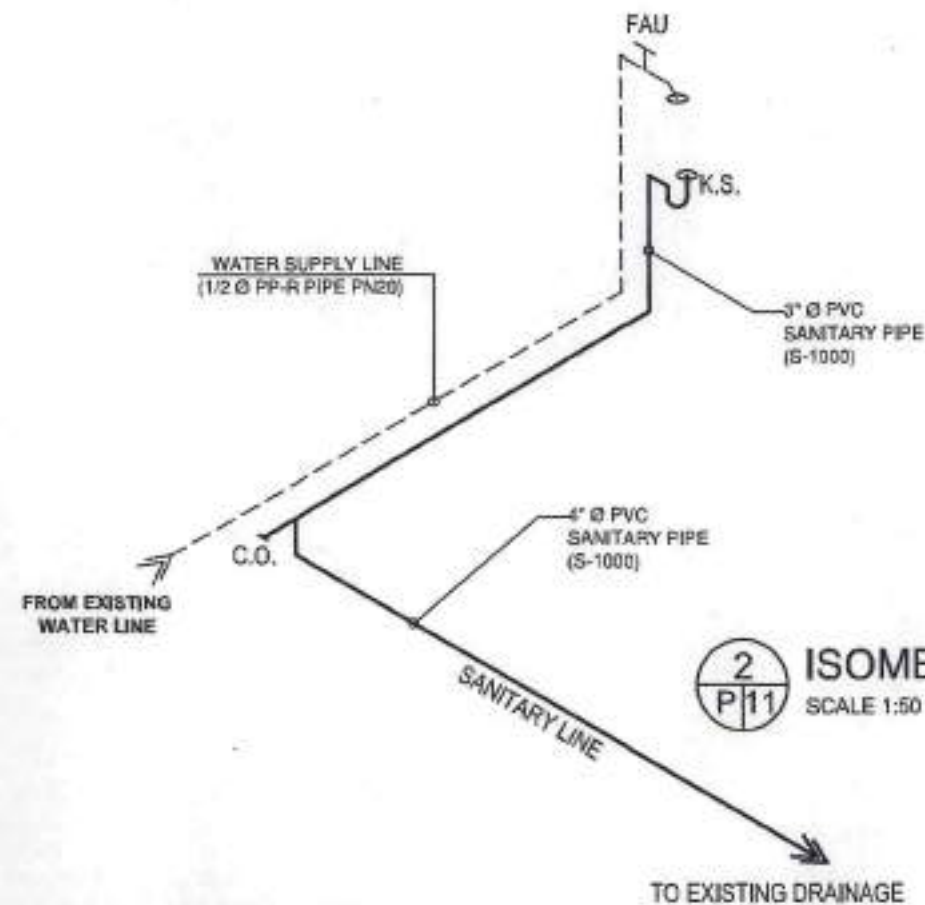
1 SANITARY AND WATER DISTRIBUTION LAYOUT
SCALE 1:50

LEGEND:

FIXTURES
K.S. — KITCHEN SINK
FAU — FAUCET

WASTE LINE
C.O. — CLEAN OUT

—————
SANITARY LINE
- - - - -
POTABLE WATER LINE



2 ISOMETRIC DIAGRAM
SCALE 1:50

GENERAL NOTES:

1. ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE REQUIREMENTS OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES, & THE RULES & REGULATIONS OF THE LOCAL MUNICIPALITY.
2. READ THE DRAWING IN CONNECTION WITH OTHER RELATED DRAWING & SPECIFICATION. THE PHYSICAL PLANT AND ENGINEERING SERVICES DIRECTOR AND MASTER PLUMBER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
3. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LOCATION DEPTH & INVERT DISCREPANCY OF ALL EXISTING PIPE & STRUCTURES TO CONFORM WITH THE PROPOSED SANITARY UTILITIES.
4. THE LOCATION OF PIPES CAN BE TRANSFERRED WHENEVER REQUIRED FOR PROPER EXECUTION OF OTHER TRADES OR CONDITION THAT SUCH CHANGES OF LOCATIONS MEET THE REQUIREMENTS.
5. ALL SLOPES FOR HORIZONTAL BRANCHES SHALL MAINTAIN 1 - 1/2% AS MINIMUM UNLESS NOTED OTHERWISE.
6. UNLESS OTHERWISE INDICATED ALL FIXTURES SHALL BE VENTED.
7. SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
8. UNLESS OTHERWISE SPECIFIED, ALL DOWNSPOUT SHALL BE PVC.
9. UNLESS OTHERWISE SPECIFIED, ALL SEWER & VENT PIPES SHALL BE PVC PIPES.
10. ALL WATER SUPPLY LINE FROM MAIN WATER LINE SHALL HAVE INDIVIDUAL CONTROL GATE VALVE.
11. ALL SEWER PIPE MUST BE TAPPED TO THE EXISTING SEPTIC VAULT.
12. USE 3"Ø PVC PIPE S - 1000 FOR VENTILATION.
13. USE 4"Ø PVC PIPE S - 1000 FOR SANITARY.
14. USE 1/2 Ø PPR PIPE PN-20 FOR WATER SUPPLY.

	DESIGNED BY:	PROJECT TITLE:	REQUISITIONER:	RECOMMENDING APPROVAL:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS	SHEET NO.
	 ENGR. LIZAMY R. LAPANG SANITARY ENGINEER	CONSTRUCTION OF AL-FRESCO FOR THE UNIVERSITY FOOD SERVICE CENTER	 DR. FREDELINDA SAN JUAN OIC VICE PRESIDENT FOR RESOURCE GENERATION	 ARCH. JOSEPH ANDREW L. SAHAL DIRECTOR FOR PHYSICAL PLANT & ENGINEERING SERVICES	 JOSELITO D. MADROÑA, DPA VICE PRESIDENT FOR ADMINISTRATION AND FINANCE	 MA. CARLA A. OCHOTORENA, RN, PhD UNIVERSITY PRESIDENT	SANITARY AND WATER DISTRIBUTION LAYOUT ISOMETRIC DIAGRAM LEGEND GENERAL NOTES DRAFTED BY:	 P1 1111
PRC: 00279 PTR: 2890434 TIN: 932-210-345	LOCATION: WMSU LOT-B, BARANGAY BALWASAN, ZC	PRC: 0010557 PTR: 2792289 TIN: 445-013-229			C. VALERA			