

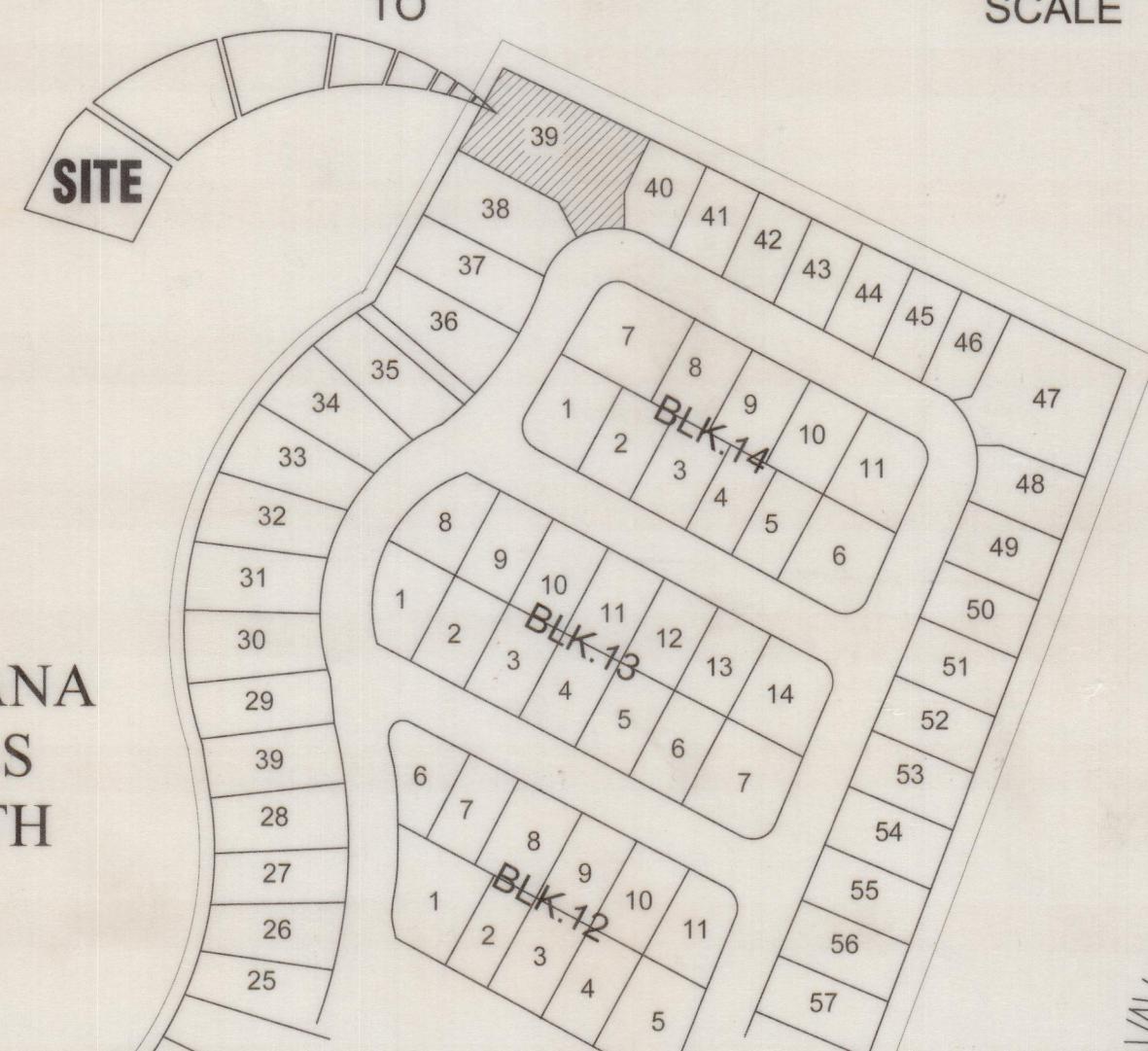


PERSPECTIVE

1
A-1 NOT

TO SCALE

KENCANA
HILLS
NORTH



VICINITY MAP

2
A-1 NOT TO SCALE

CAMAYA COAST

AR.

DAHNIEL C. TING

PTR NO. 0157786

ISSUED ON 1/25/2018

ISSUED AT MALOLOS BULACAN

PROJECT TITLE / LOCATION

PROPOSED TWO STOREY RESIDENTIAL
KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan

NOTE: THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS A PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN PART
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REPUBLIC ACT 545

OWNER

SHEET CONTENTS

PERSPECTIVE
SITE DEVELOPMENT PLAN
VICINITY MAP

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ARCHITECTURAL

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE BUILDING OFFICIAL

GUIGUINTO, BULACAN

LAND USE AND ZONING

LINE & GRADE

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ELECTRICAL

MECHANICAL

ROAD LOT

SITE DEVELOPMENT PLAN

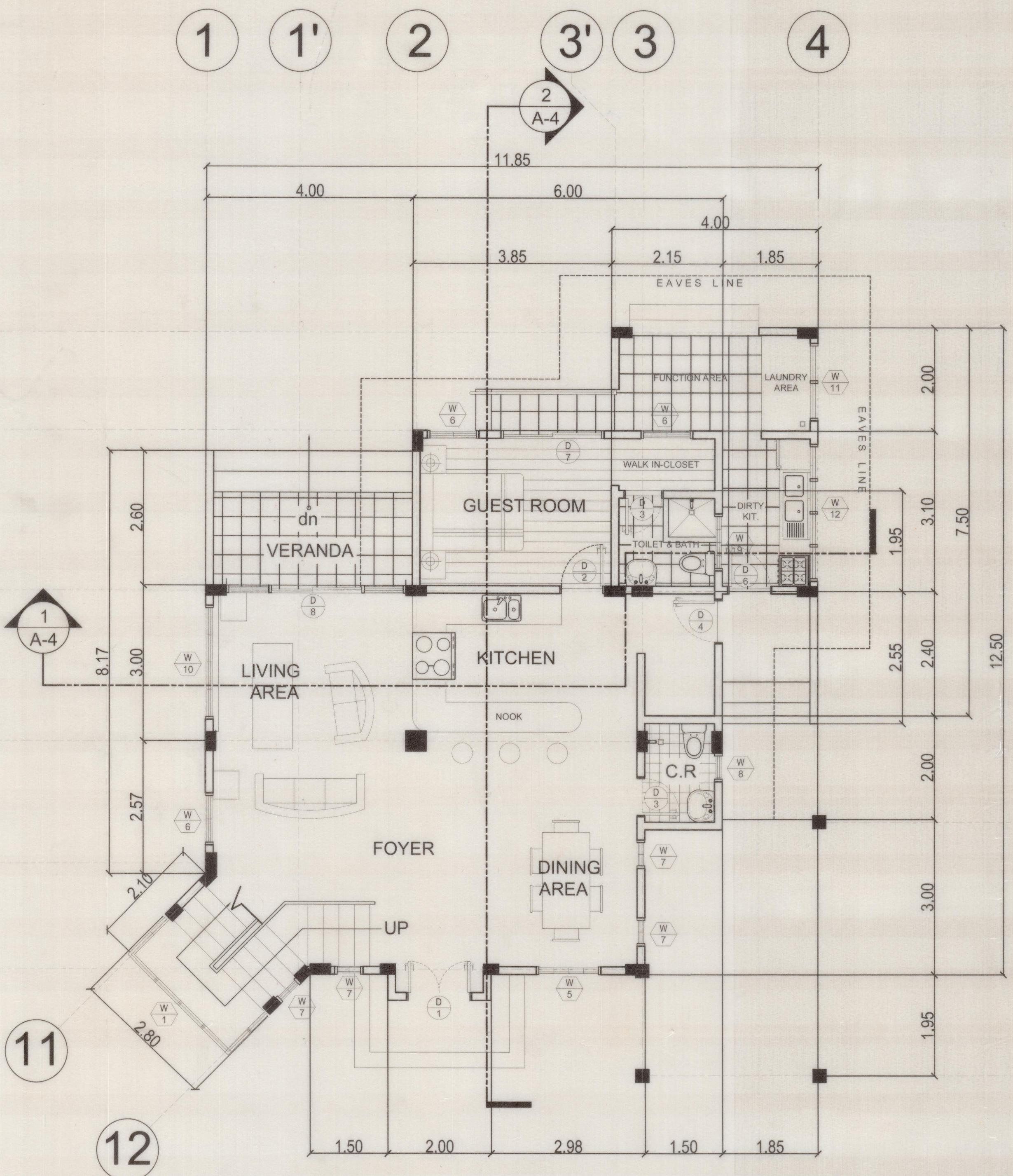
3
A-1

SCALE:

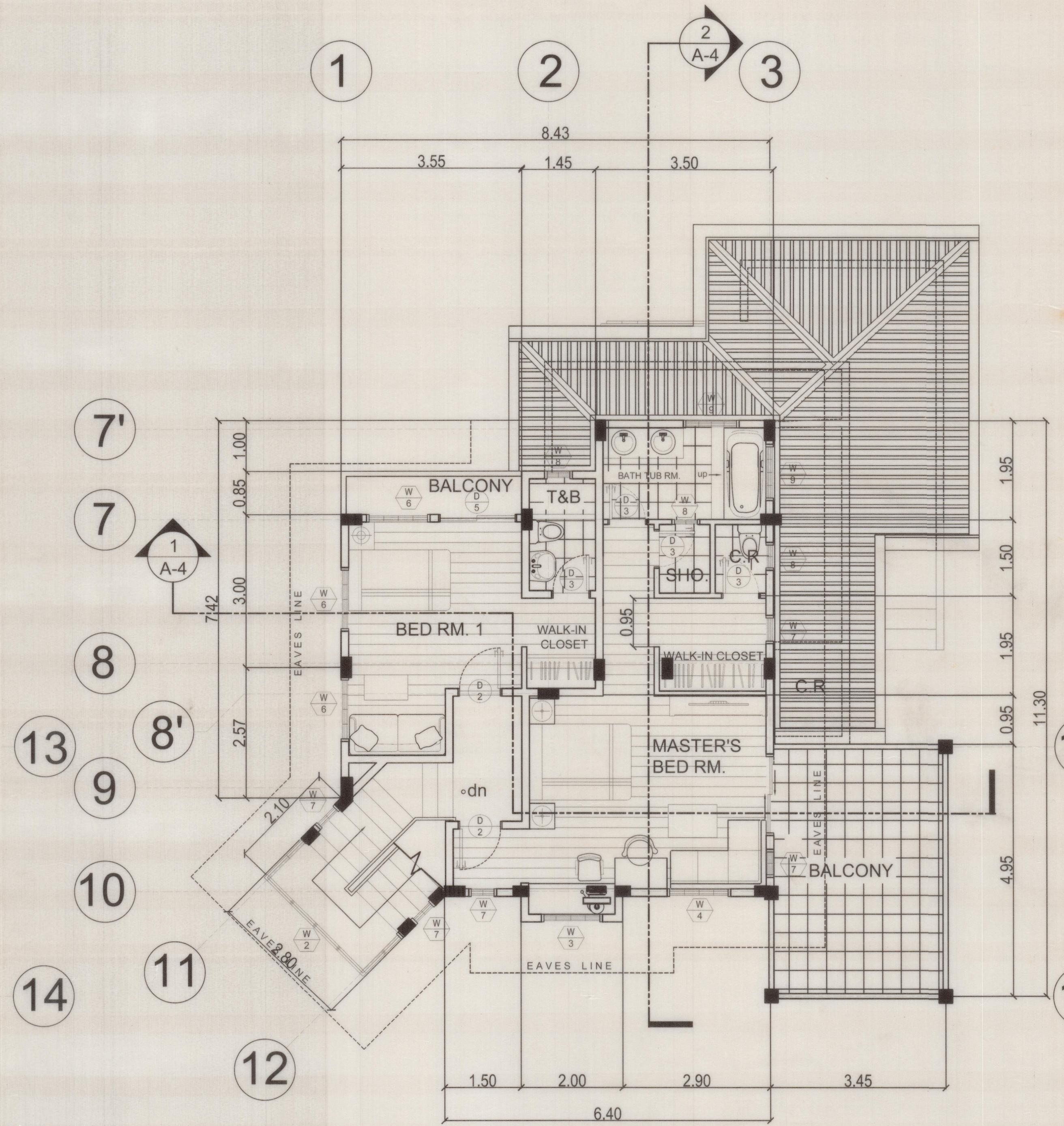
1:80MTS.



REVISIONS	REVISED BY	DATE	SHEET NO.
△			A-01
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DESIGNER	EES	CADD BY	DCT
			CHECKED BY
			EES
			DATE APRIL-2017

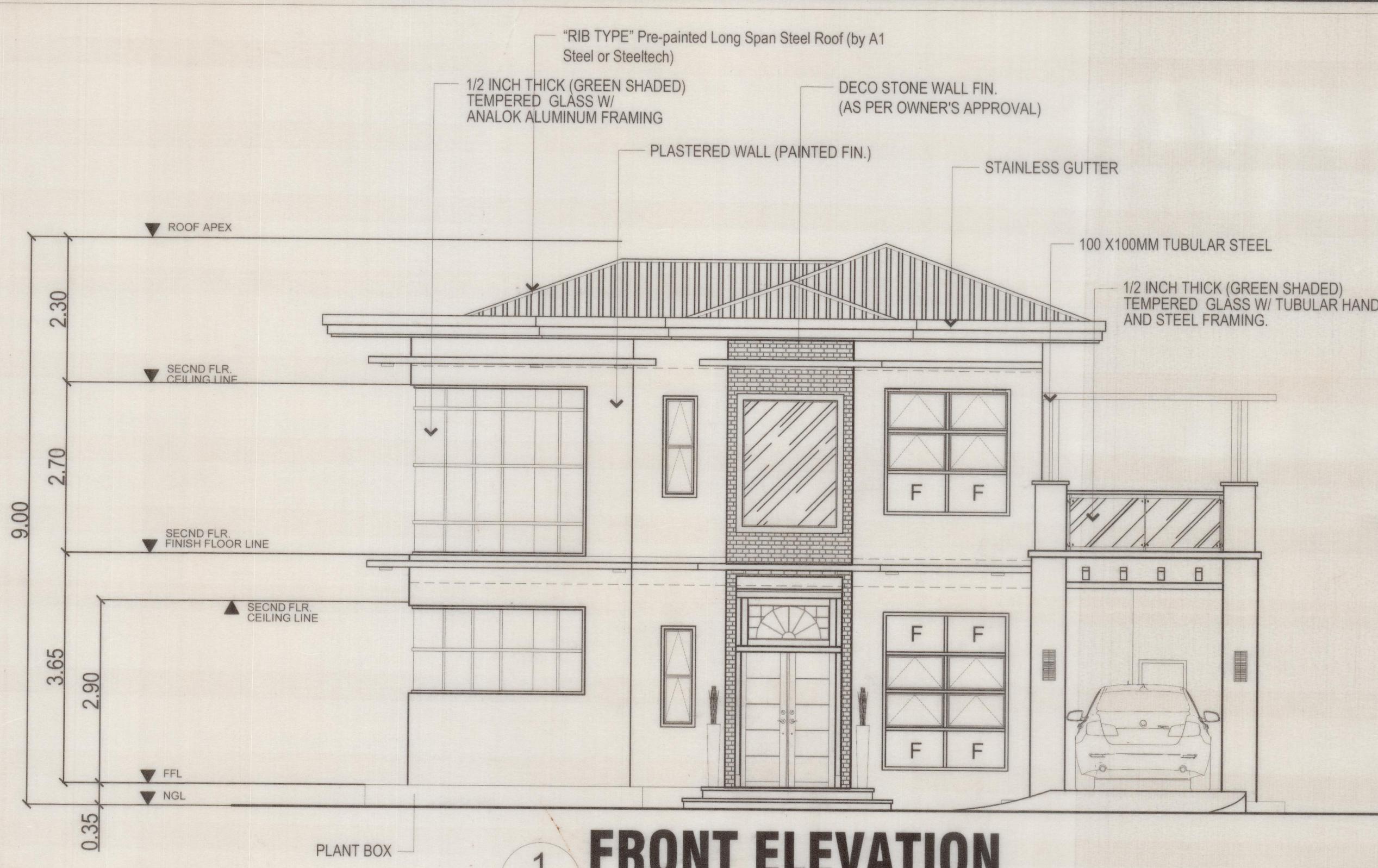


1 GROUND FLOOR PLAN
A-2 SCALE: 1:60MTS.

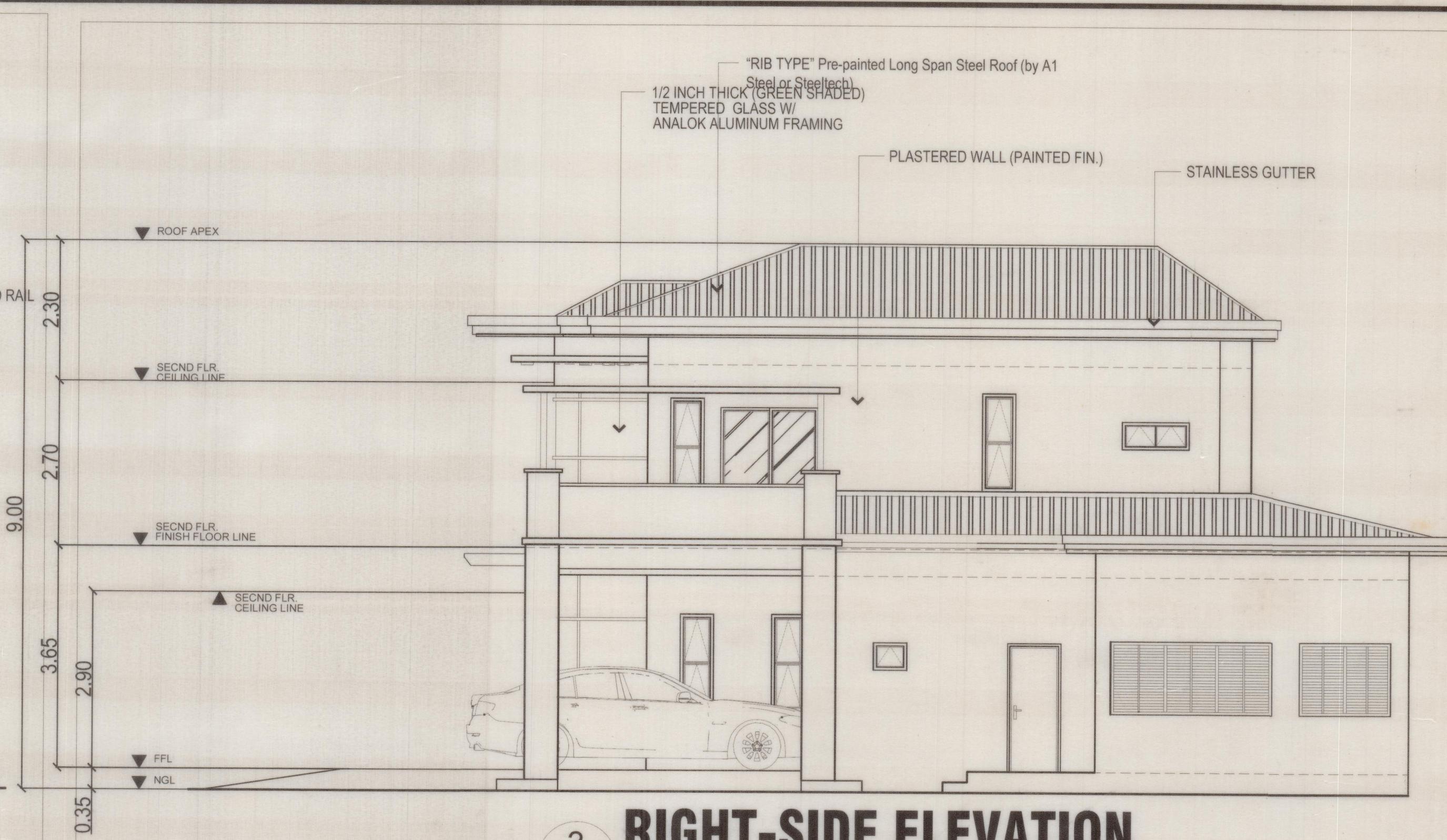


2 SECOND FLOOR PLAN
A-2 SCALE: 1:60MTS.

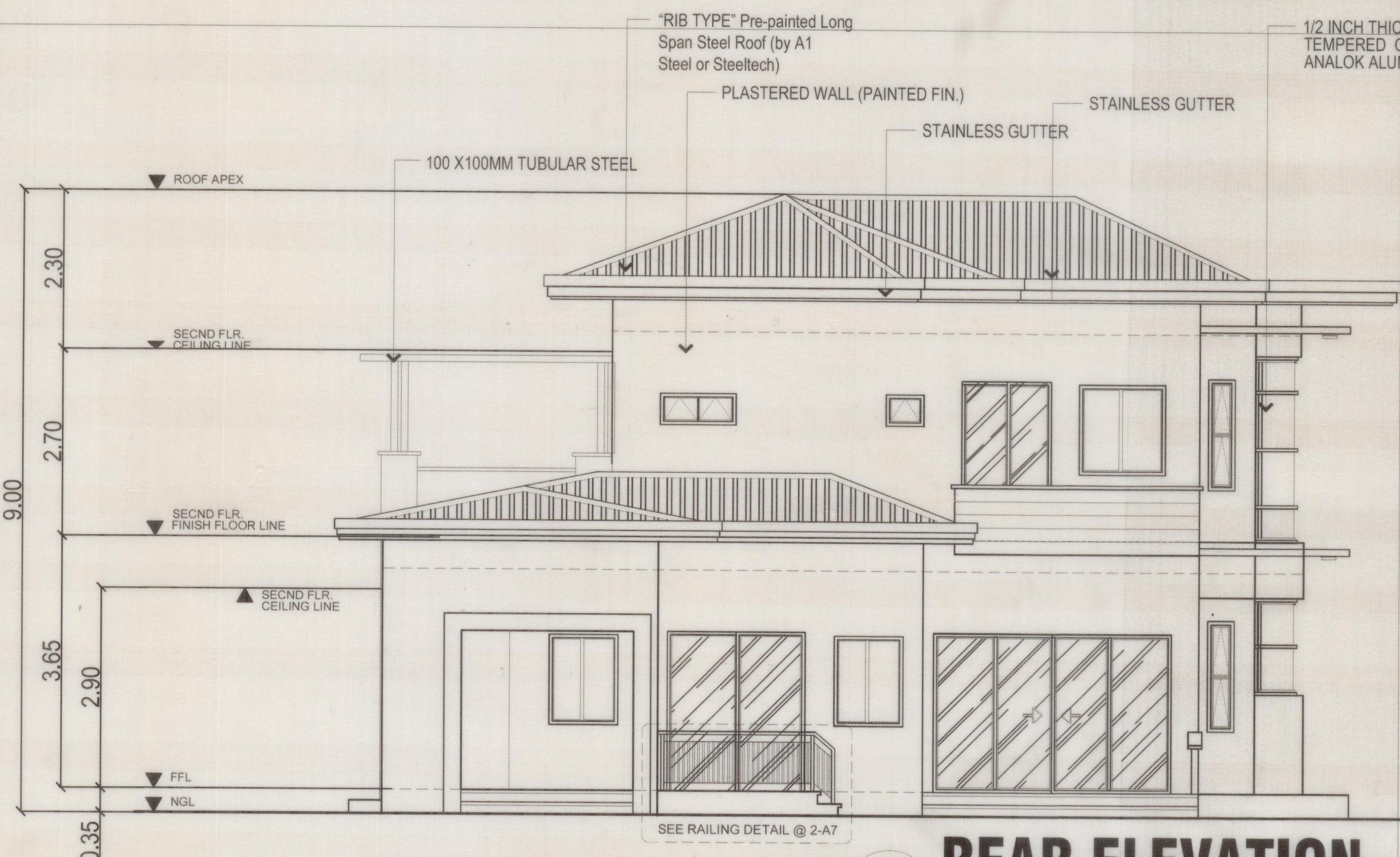
ARCHITECT	PROJECT TITLE / LOCATION	OWNER	REVISIONS			REvised BY	DATE	SHEET NO.
			△	△	△			
AR. DAHNIEL C. TING	PROPOSED TWO STOREY RESIDENTIAL KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan	SHEET CONTENTS GROUND FLOOR PLAN SECOND FLOOR PLAN						
PTR NO. 0157786	PRC REG. NO. 37928							
ISSUED ON 1/25/2018	TIN 321-580-614	NOTE: THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS A PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT HIS CONSENT. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.						
ISSUED AT MALOLOS BULACAN		REPUBLIC ACT 545						
			DESIGNER	EES	CADD BY	DCT	CHECKED BY	EES
								DATE DEC-2017



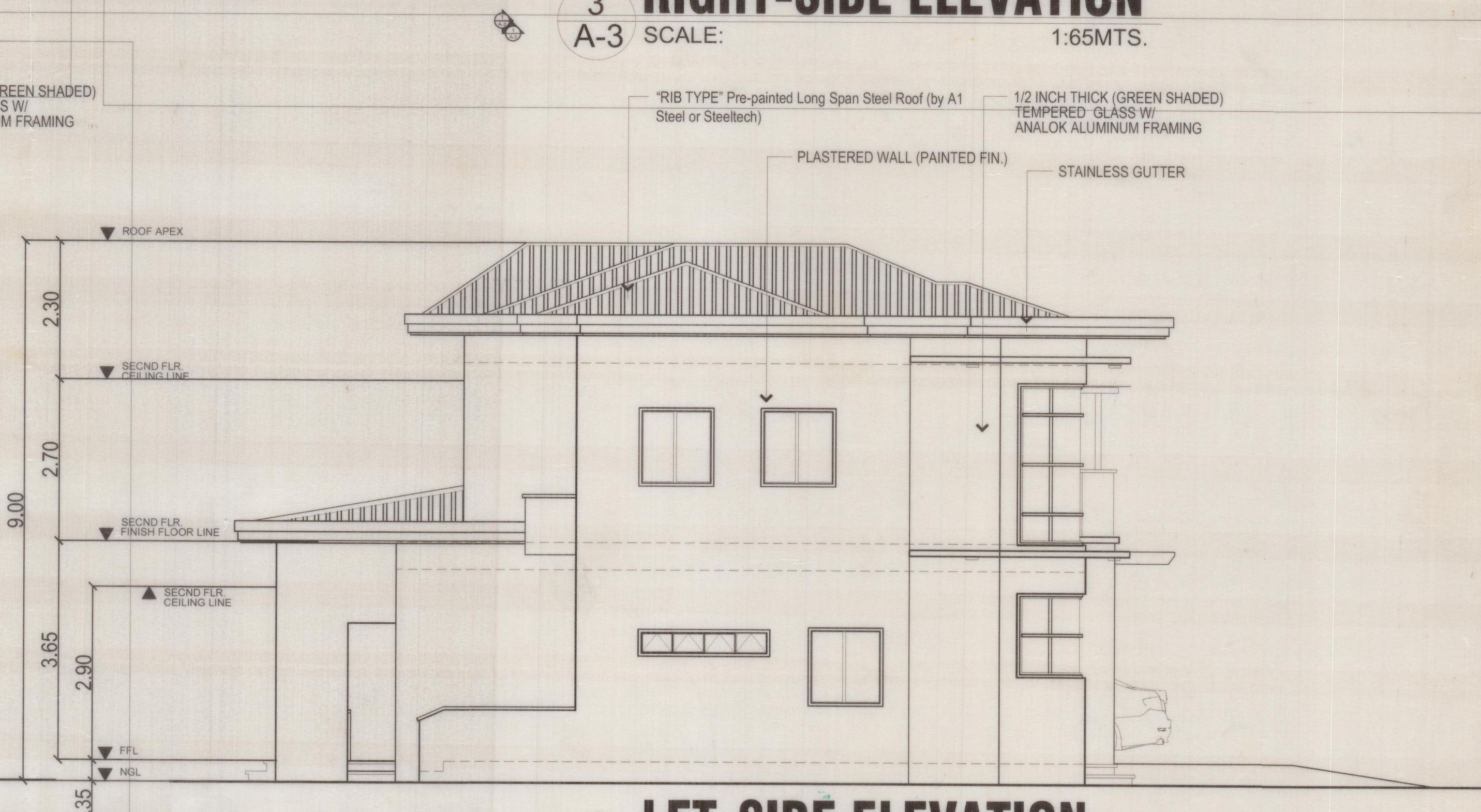
1
A-3
FRONT ELEVATION
SCALE: 1:65MTS.



3
A-3
RIGHT-SIDE ELEVATION
SCALE: 1:65MTS.



2
A-3
REAR ELEVATION
SCALE: 1:65MTS.



4
A-3
LFT-SIDE ELEVATION
SCALE: 1:65MTS.

ARCHITECT	PROJECT TITLE / LOCATION	OWNER	REVISIONS			REVISED BY	DATE	SHEET NO.
			△	△	△			
AR. DAHNIEL C. TING	PROPOSED TWO STOREY RESIDENTIAL KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan							
PTR NO. 0157786	PRC REG. NO. 37928							
ISSUED ON 1/25/2018	TIN 321-580-614							
ISSUED AT MALLOS BULACAN								
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	REPUBLIC ACT 545							
	SHEET CONTENTS							
	GROUND FLOOR PLAN							
	SECOND FLOOR PLAN							
	DESIGNER	EES	CADD BY	DCT	CHECKED BY	EES	DATE	DEC-2017

GENERAL NOTES:

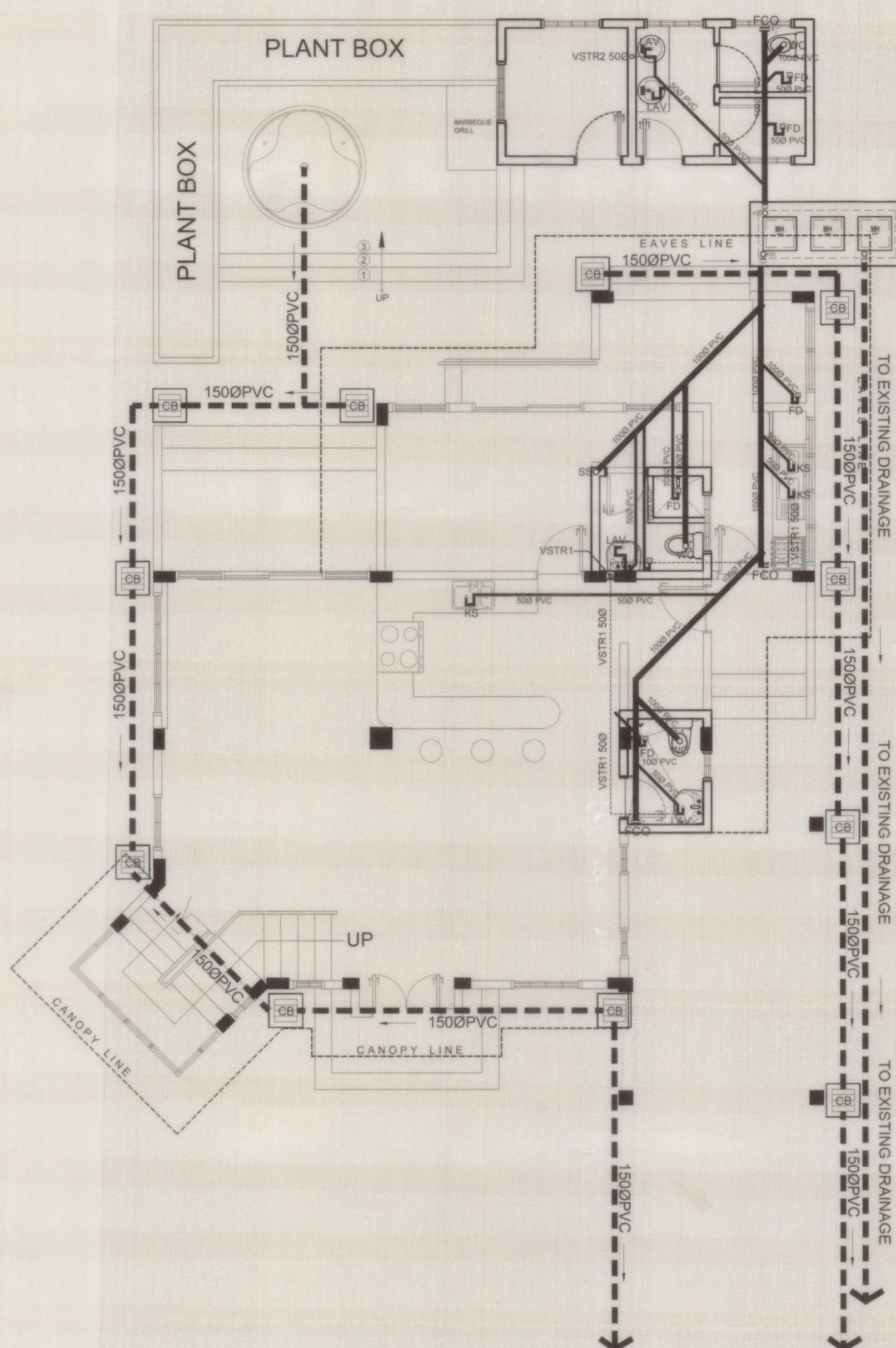
1. ALL PLUMBING WORKS SHALL BE EXECUTED IN ACCORDANCE TO THE PROVISION OF THE PHILIPPINES PLUMBING CODE AND THE NATIONAL BUILDING CODE NAND THE RULES AND REGULATIONS OF THE LOCAL AREA CONSTRUCTED THERETO.
2. COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
3. ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATIONS REQUIRED FOR PROPER EXECUTIONS OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT OR ENGINEER.
4. PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL AREA AND LOCATION,DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES VERIFIED BY THE CONTRACTOR.
5. ALL SLOPE FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 2% MINIMUM UNLESS OTHERWISE SPECIFIED.
6. SIZES OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT THE SITE AND COORDINATE THE WORKS THE SEWER LINES UNLESS EFFLUENT DISPOSAL POINT AND WATER LINE SERVICE CONNECTING EACH POINT.
8. ALL PIPE SIZE ARE IN MILLIMETERS AND ALL DIMENSIONS AS WELL UNLESS OTHERWISE SPECIFIED

PROPERTY LINE

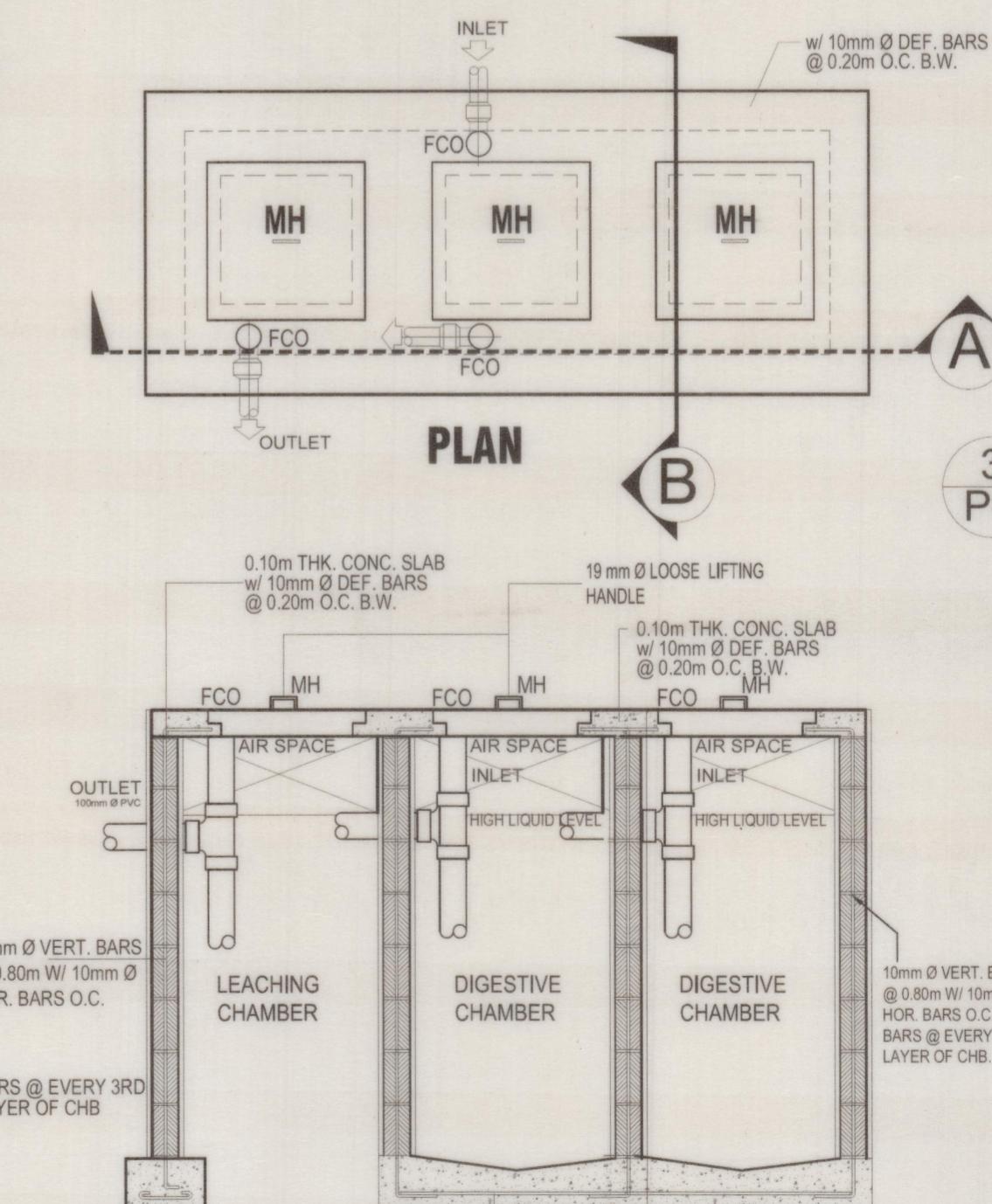
BOSTON LINE

1 GROUND FLOOR SANITARY LAYOUT P-1 SCALE: 1:75MTS.

1.75MTS

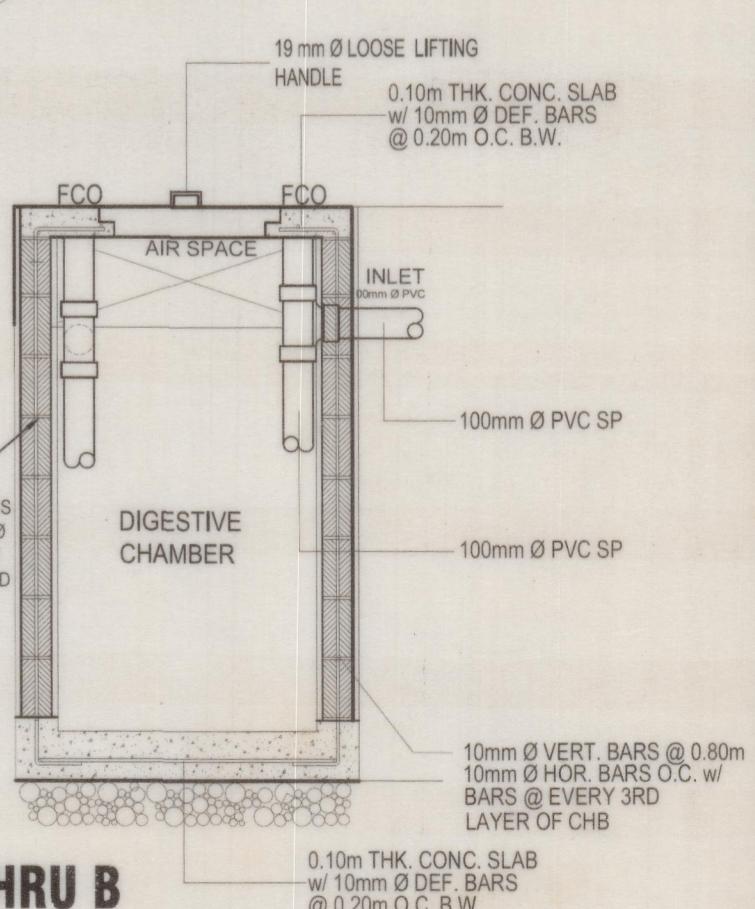


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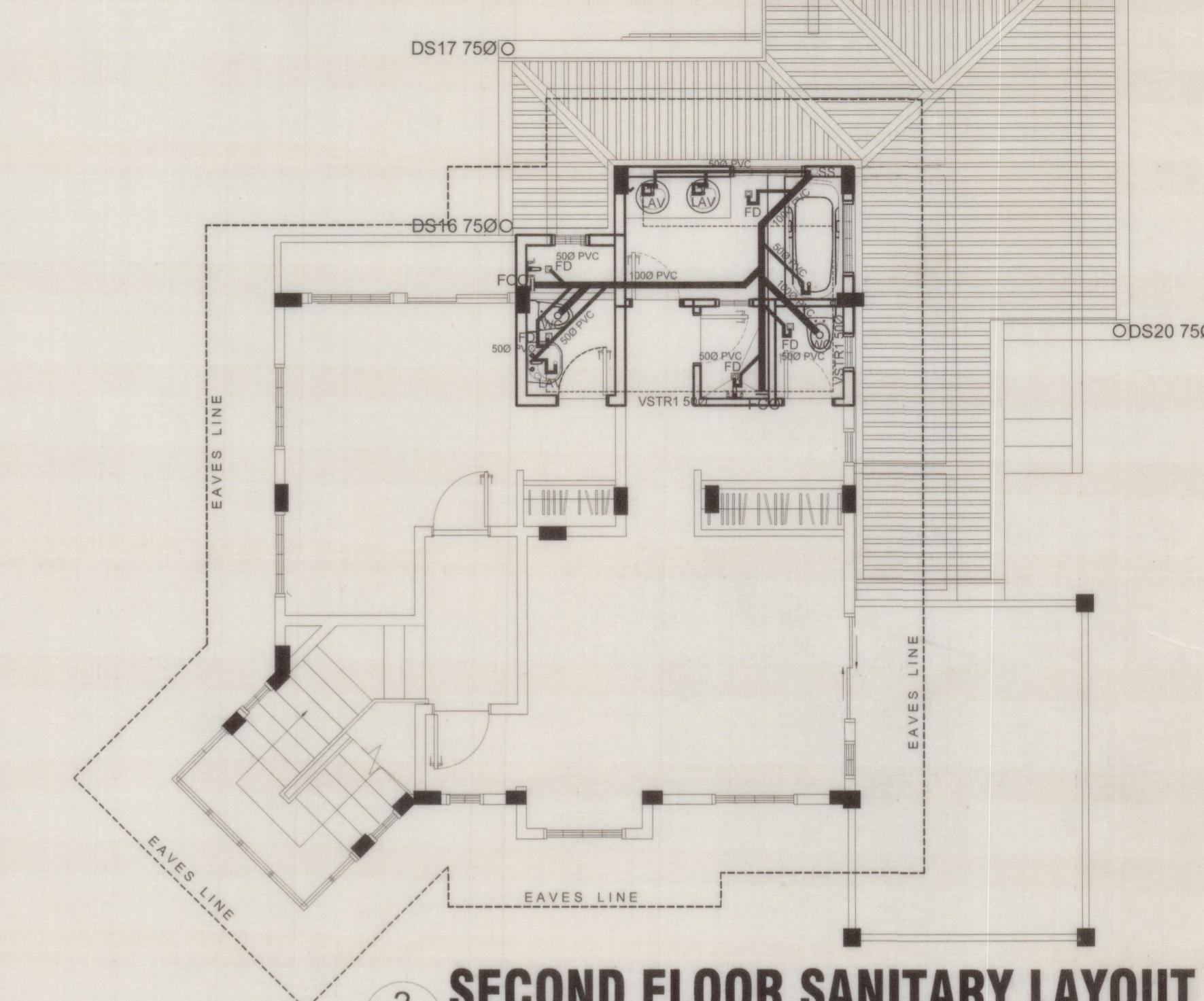
SECTION THRU A

— w/ 10mm Ø DEF. BARS
@ 0.20m O.C. B.W. **SECTION THRU B**



SANITARY LAYOUT

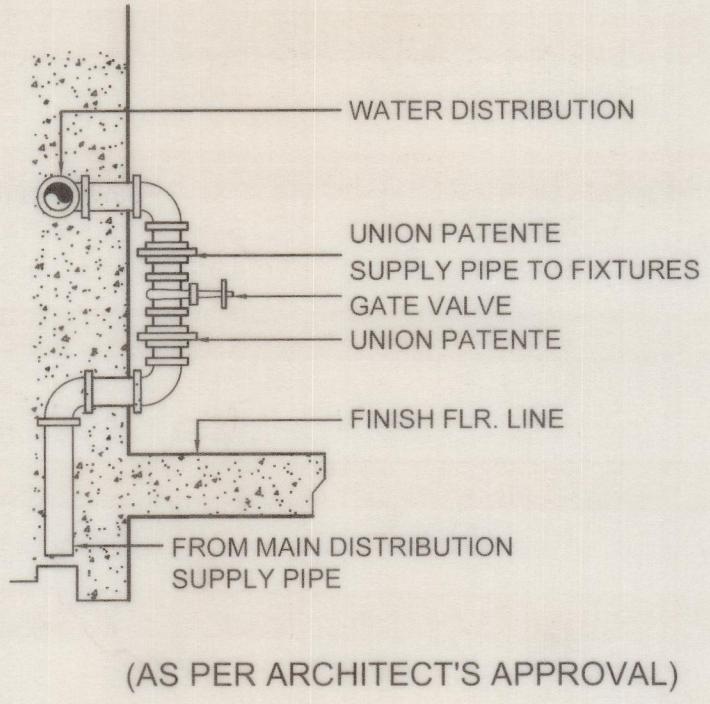
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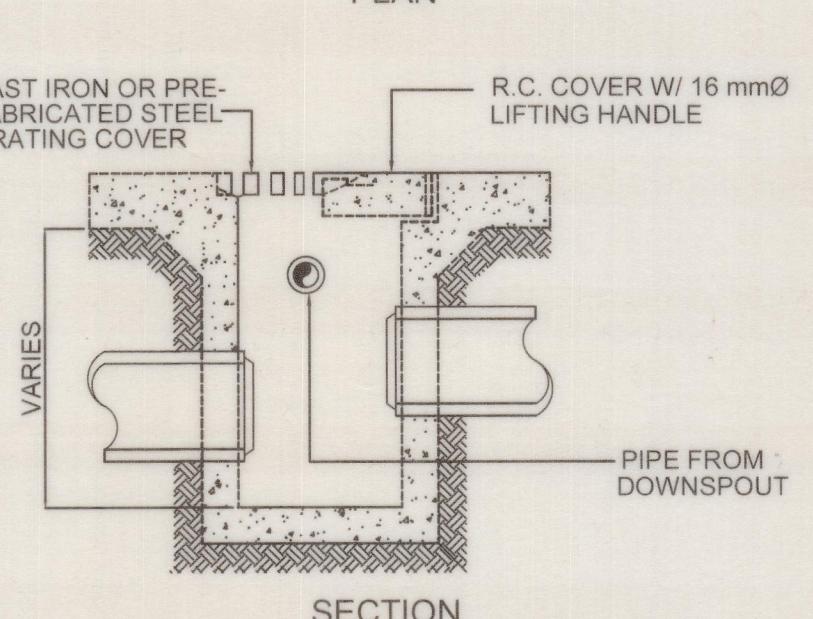
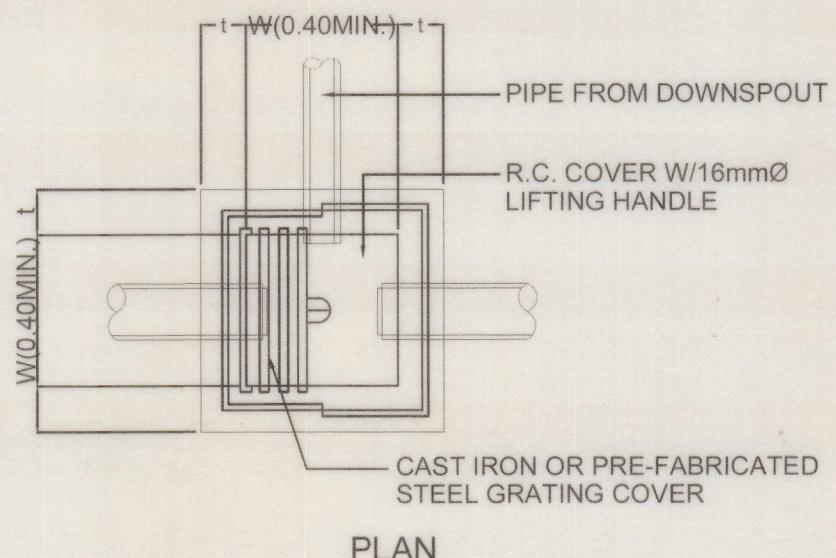
SEPTIC TANK DETAIL

1:25MTS.

MASTER PLUMBER ENG. CHARLENE MAY NIETO RIVERA		PROJECT TITLE / LOCATION PROPOSED TWO STOREY RESIDENTIAL KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan	OWNER	REVISIONS △5 △4 △3 △2 △1	REVISED BY DATE	HEET NO.
PTR NO. 0005615	PRC REG. NO. 9489	SHEET CONTENTS GENERAL NOTES SECND FLR. SANITARY LAYOUT LEGEND SEPTIC TANK DETAIL GRND FLR. SANITARY LAYOUT				
ISSUED ON 1/04/2018	TIN 325-255-291	NOTE: THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS A PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT HIS CONSENT. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.				
ISSUED AT MALOLOS BULACAN		REPUBLIC ACT 545				
		DESIGNER	EES	CADDY	DCT CHECKED BY	EES DATE APRIL-2018



INSTALLATION DETAIL OF
CONTROL VALVE TO FIXTURE



DETAIL OF CLOSED CONCRETE OR STEEL
GRATING COVERED CATCH BASIN-AD/CB

LEGEND:

ABBREVIATION DESCRIPTION

LAV	LAVATORY
WC	WATER CLOSET
KS	KITCHEN SINK
FD	FLOOR DRAIN
GV	GATE VALVE
F	FAUCET
VSTR	VENT STACK THRU ROOF
SP	SOIL PIPE
CO	CLEAN OUT

FIXTURES

	WATER CLOSET
	LAVATORY FLOOR DRAIN
	SANITARY
	SOIL PIPE
	VENT PIPE
	VENT STACK
	CLEAN OUT
	P-TRAP
	WATERLINE
	COLD WATER LIN
	GATE VALVE
	WATER METER

1
P-2

GROUND FLOOR WATERLINE LAYOUT

1:75MTS.

PROJECT TITLE / LOCATION

PROPOSED TWO STOREY RESIDENTIAL
KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan

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REPUBLIC ACT 545

OWNER

SHEET CONTENTS

CATCH BASIN DETAIL

LEGEND

GRND FLR. WATERLINE LAYOUT

SECND FLR. WATERLINE

LAYOUT

REVISIONS

DATE

P-02

REVISED BY

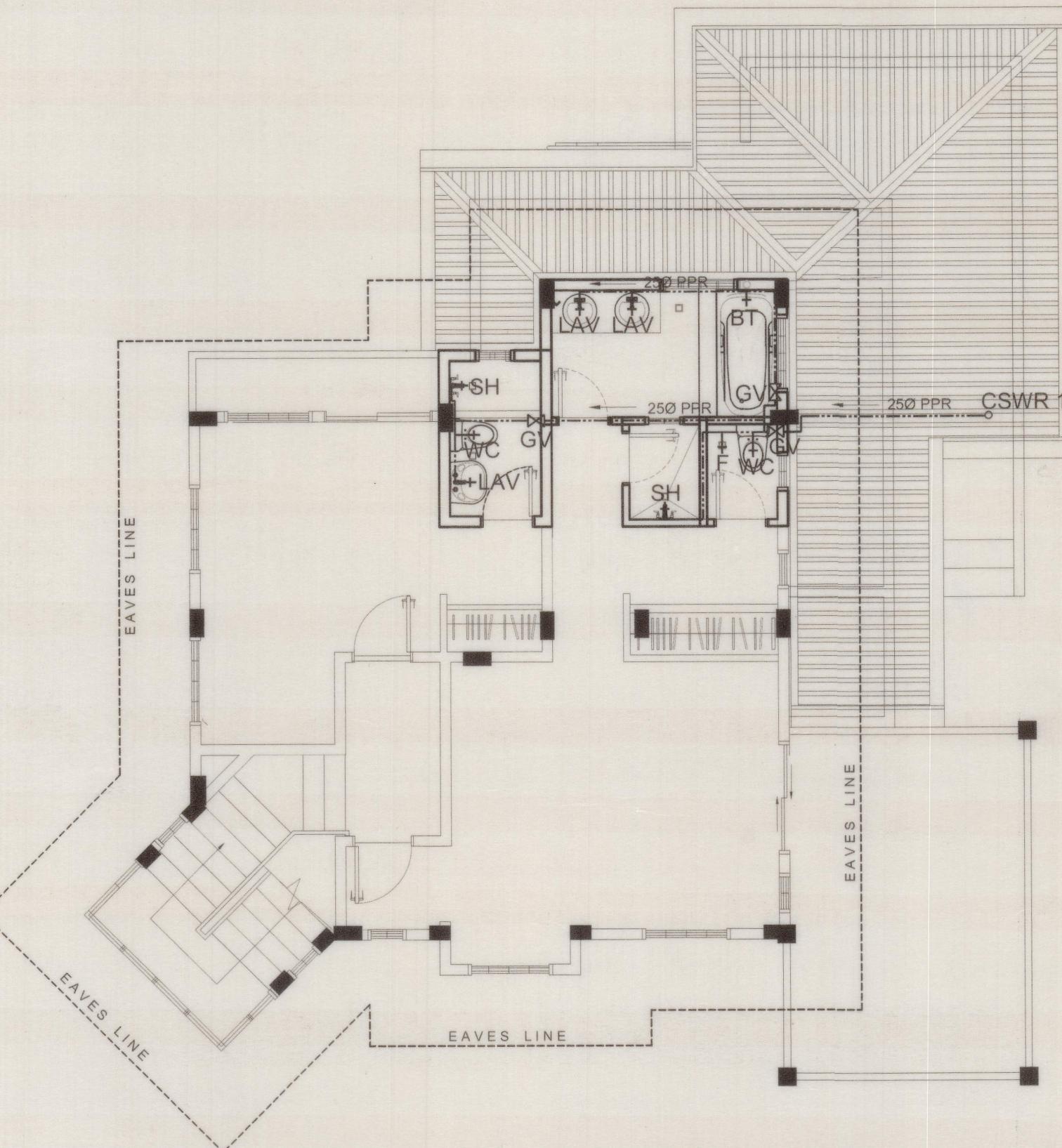
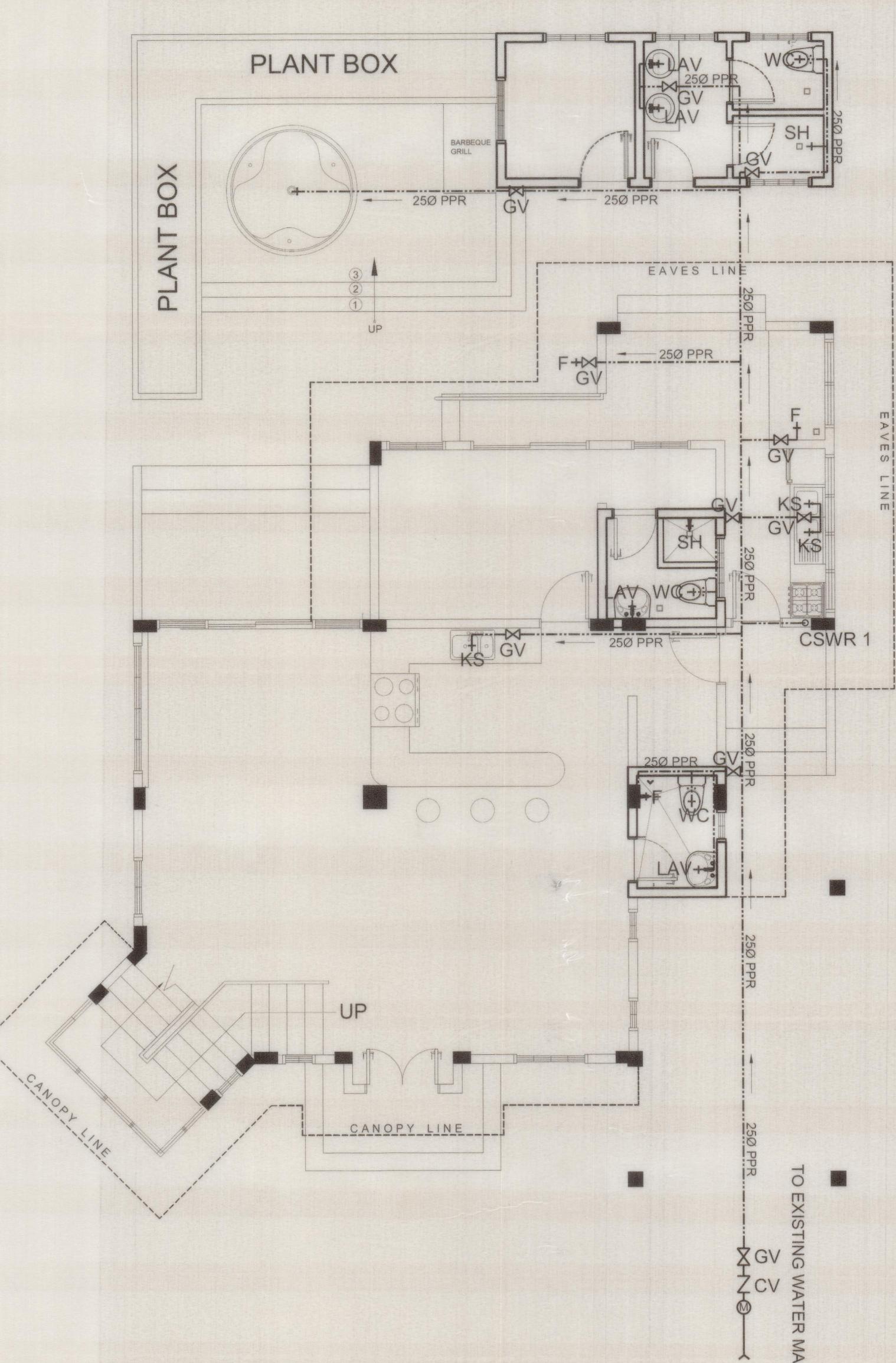
SHEET NO.

DATE

APRIL-2017

DESIGNER EES CADD BY DCT CHECKED BY EES

DATE



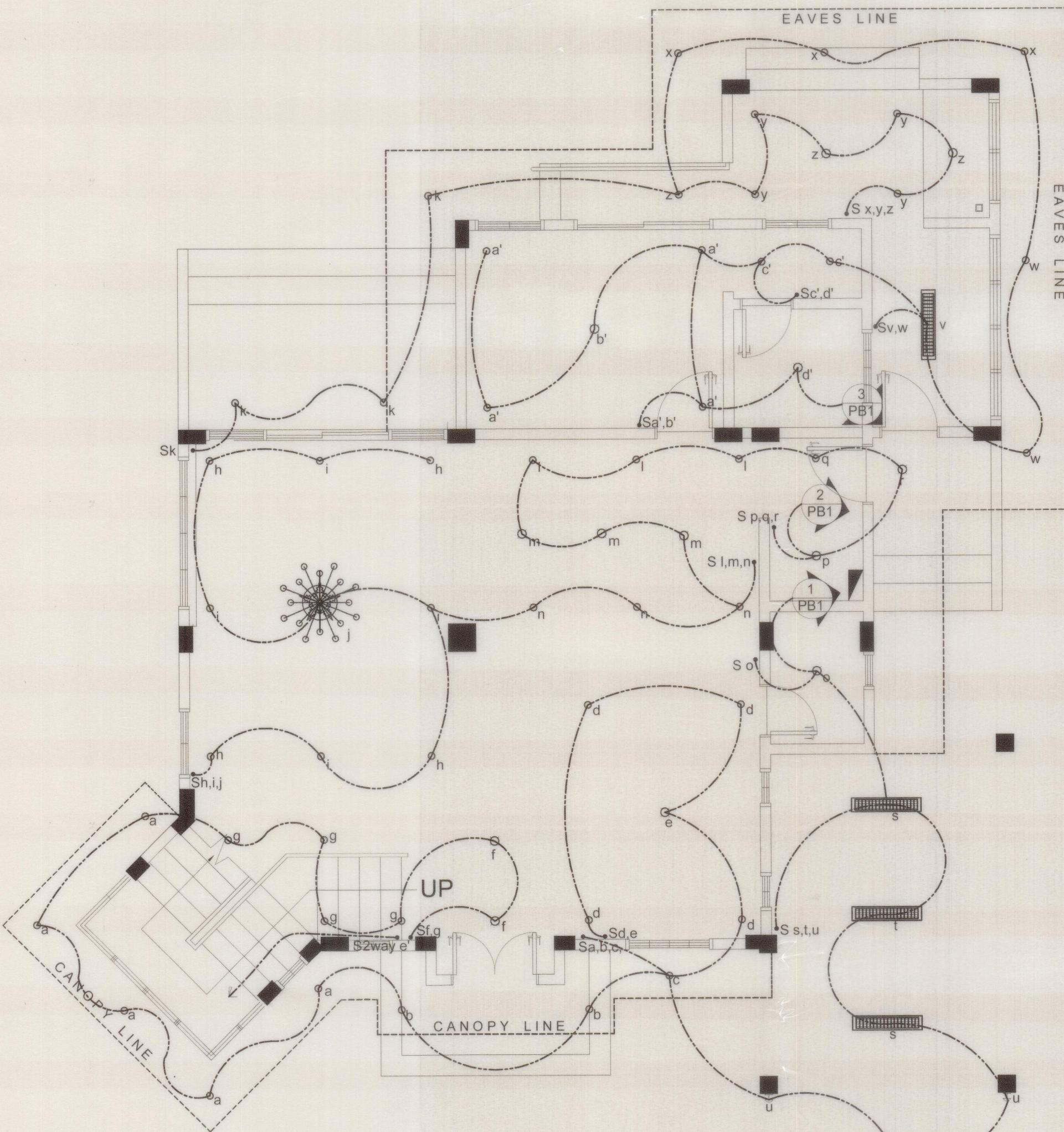
2
P-2

SCALE:

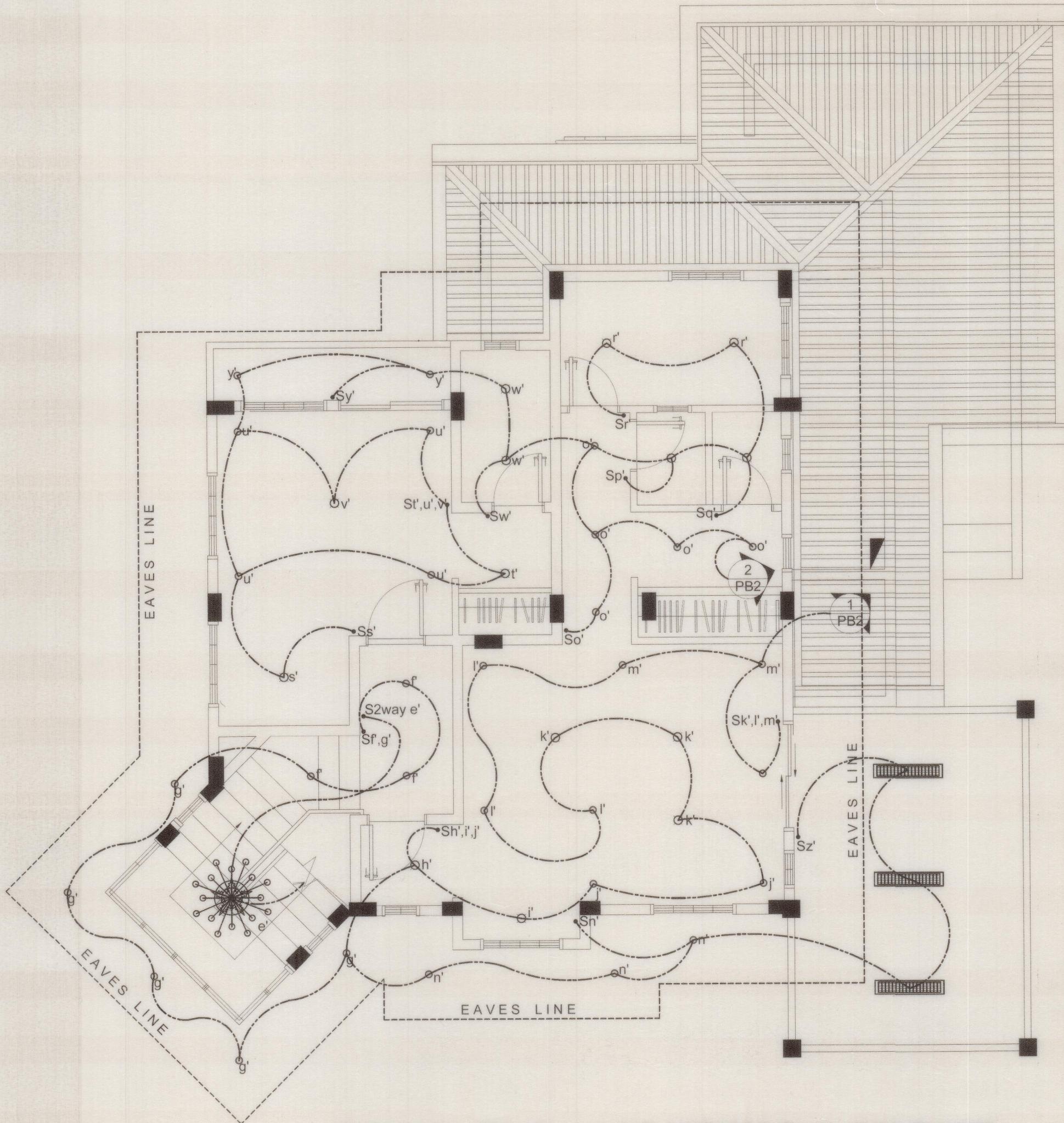
1:75MTS.

General Notes / Specification:

1. All electrical works / installation shall be done in accordance with the provisions of the latest edition of the Philippine Electrical Code (**PEC**). The rules and regulation and requirements of the local power and the laws and ordinance of the local enforcing authority.
2. The type of power service to be supplied shall be 230VAC, 3-phase, 4-wire, 60hz Service Entrance / Feeder wire.
3. All materials to be used shall be new and of the approved type for the purposed intended.
4. Unless otherwise specified the minimum size of wire and conduit shall be 3.5 mm sq. THHN and 15mm dia. Upvc respectively. Wire Insulation are good for 600Volts
5. Conduit runs shall be embedded in concrete structure or concealed in the ceiling of the building whenever possible . All pvc conduits shall be schedule 40.
6. All conduit runs to panel board have been indicated merely as starting from the nearest outlet and pointing in the general direction of the panel board.
7. Exposed conduit shall be supported by one - hole malleable iron straps, suitable beam clamps, or split - ring conduit hanger with support rod.
8. Wires for lighth and power shall be soft drawn copper type " THHN"600 volts insulation and approved type building wire
9. Insulation resistance to ground of branch circuit conductors shall be maintained above One(1) Mega Ohms with all fixtures installed and all switches closed.
10. Provide grounding wires to all Duplex C.O , Aircon outlets and motor loads. Ground wires where pvc conduit is used shall be color coded (green and continues thru - out the system).
11. Convenience outlets shall be duplex type; flush mounted with fire resistance non- absorptive bases, 10 amperes rating and for window type air conditioning unit shall be 3 - wire,1-Phase , 20 amperes, 250 volts. (Minimum)
12. All distribution feeders and service entrance shall be copper wire THHN rated at 90 degrees Celsius and shall be in rigid steel conduit / IMC or equivalent, sizes as shown on the plans and riser diagram.
13. Panel board shall be dead - front, safety type, equipped with molded case circuit breaker, MCCB as main, thermally protected and shall be the type as listed in the load schedule.
14. Panel board bus assembly shall be enclosed in a steel cabinet and in accordance with U-L / NEMA standards.
15. Inside the door of each panel board, a typewritten directory w/c will indicate the location of equipment or outlet supplied by each circuit shall be provided.
16. All wall switches shall be flush mounted, TAP action, quitematic interchangeable line type, with plate and cover and rated 10 A , 250 volts.
17. All works shall be executed under the direct supervisions of a duly licensed electrical engineer.
18. Fluorescent lighting fixtures shall be provided with aluminum reflector and louver / industrial type. But LED Tube/Lamp
19. Whenever necessary, pull box, wires gutter, splice and termination box, etc, shall be provided, even if not indicated in the plans.
20. All wires shall be color coded
Line A - BLACK Ground Wire - GREEN
Line B - RED
Line C - BLUE



GRND FLR. LIGHTING LAYOUT



SCND FLR. LIGHTING LAYOUT

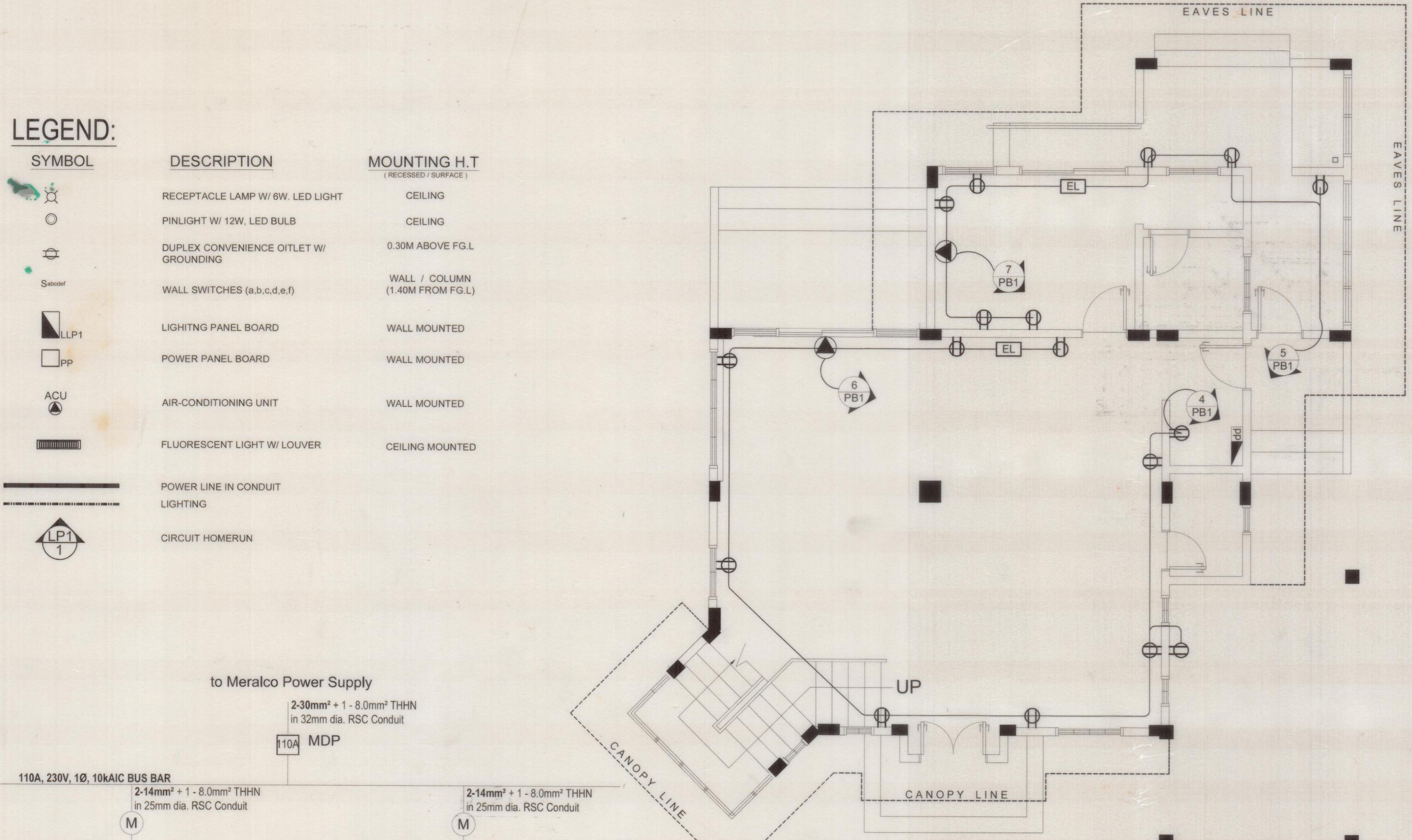
LEGEND:

<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>Mounting H.T.</u> (RECESSED / SURFACE)
	RECEPTACLE LAMP W/ 6W. LED LIGHT	CEILING
	PINLIGHT W/ 12W, LED BULB	CEILING
	DUPLEX CONVENIENCE OUTLET W/ GROUNDING	0.30M ABOVE FG.L
Sabdef	WALL SWITCHES (a,b,c,d,e,f)	WALL / COLUMN (1.40M FROM FG.L)
	LIGHTING PANEL BOARD	WALL MOUNTED
	POWER PANEL BOARD	WALL MOUNTED
ACU 	AIR-CONDITIONING UNIT	WALL MOUNTED
	FLUORESCENT LIGHT W/ LOUVER	CEILING MOUNTED
	POWER LINE IN CONDUIT	
	LIGHTING	
	CIRCUIT HOMERUN	

ENGINEER DEOGRACIAS C. PASCUAL PROF. ELECT. ENGINEER		PROJECT TITLE / LOCATION PROPOSED TWO STOREY RESIDENTIAL KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan	OWNER	REVISIONS A A A A	REVISED BY	DATE	HEET NO.	
PTR NO.	PRC REG. NO. 2724	SHEET CONTENTS GENERAL NOTES LEGEND GRND FLR. LIGHTING LAYOUT					E-01	
ISSUED ON	TIN 187-908-449	NOTE: THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS A PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT HIS CONSENT. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.					REPUBLIC ACT 545	
ISSUED AT MALOLOS BULACAN		DESIGNER	ES	CADDY	DCT	CHECKED BY	EES	DATE APRIL 20

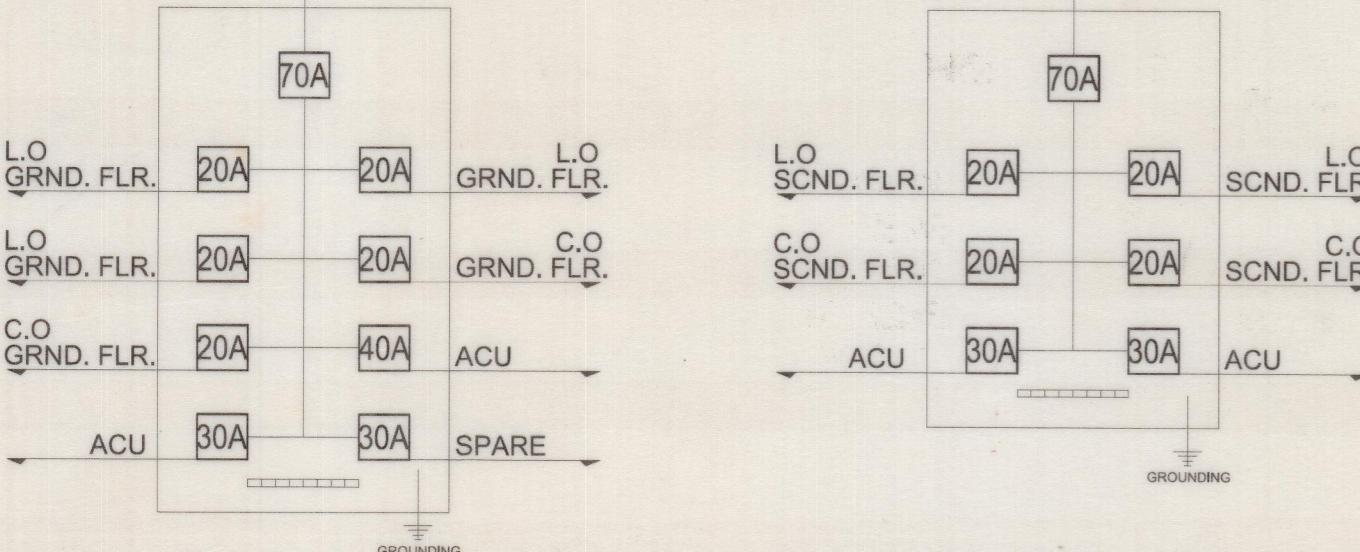
LEGEND:

<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>Mounting H.T.</u> (RECESSED / SURFACE)
	RECEPTACLE LAMP W/ 6W. LED LIGHT	CEILING
	PINLIGHT W/ 12W, LED BULB	CEILING
	DUPLEX CONVENIENCE OUTLET W/ GROUNDING	0.30M ABOVE FG.L
 Sabcdef	WALL SWITCHES (a,b,c,d,e,f)	WALL / COLUMN (1.40M FROM FG.L)
 LLP1	LIGHTING PANEL BOARD	WALL MOUNTED
 PP	POWER PANEL BOARD	WALL MOUNTED
 ACU	AIR-CONDITIONING UNIT	WALL MOUNTED
	FLUORESCENT LIGHT W/ LOUVER	CEILING MOUNTED
	POWER LINE IN CONDUIT	
	LIGHTING	
	CIRCUIT HOMERUN	



GRND FLR. POWER[®] LAYOUT

1:60MTS.



PANEL (PB1)

PANEL (PB2)

1 ONE LINE DIAGRAM & PANEL BOARD DETAILS

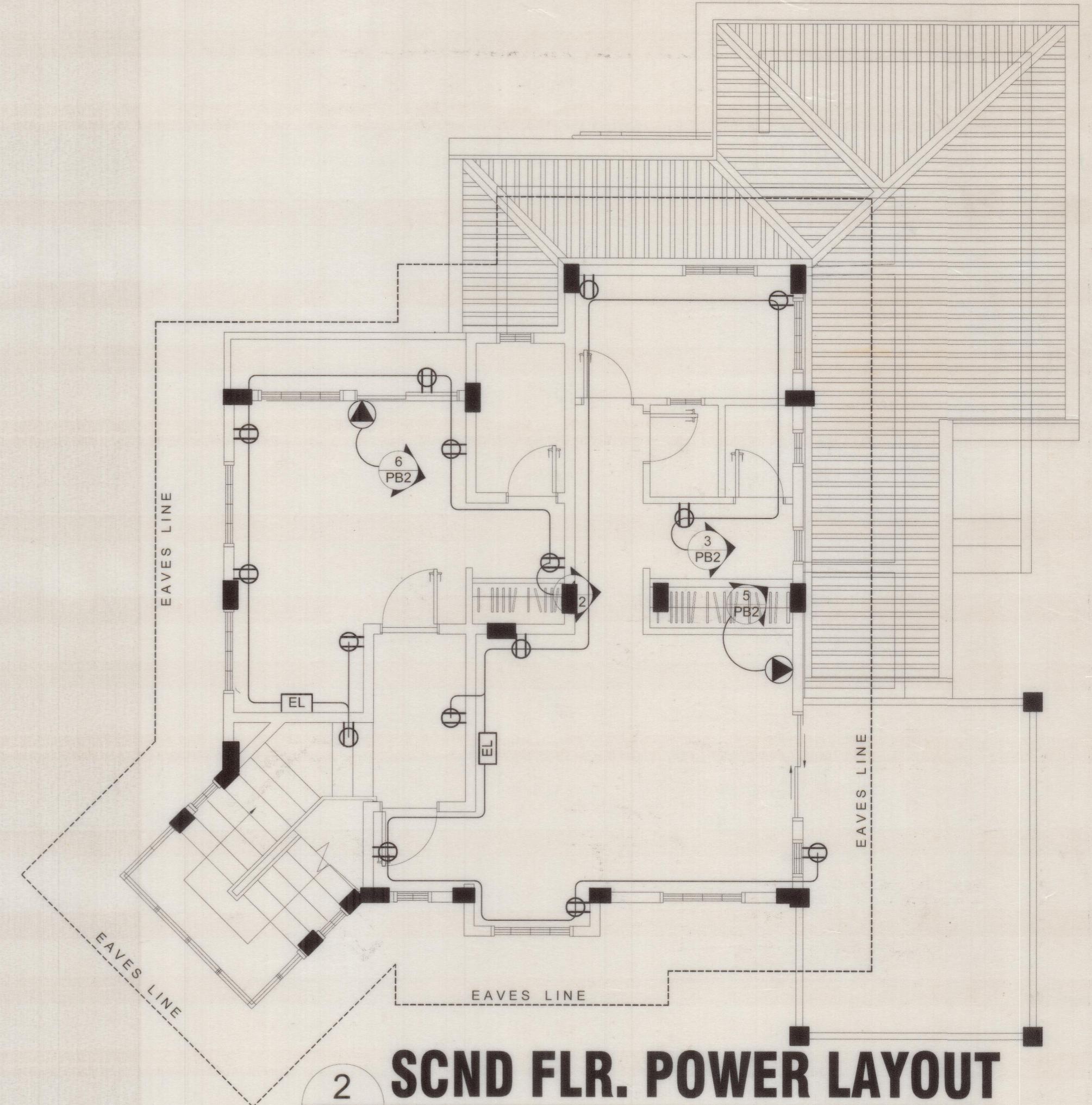
E-2 NOT TO
mary of Loads (MDP): PB1 + PB2
96.7 x 80% D.F. + 25% (15.2) = 81.16 Amperes

Size of Main Breaker: Use **110AT/225AF**, 2P, 230V, 10kAIC MAIN MOLDED CASE CIRCUIT BREAKER/ MCCB, NEMA- 3R enclosure, Powder coated.

Size of Service Entrance Wire: use : **2 - 30mm² + 1 - 8.0mm² THHN / 110 A. Capacity in a 32mm dia. RSC Conduit**

SCHEDULE OF LOADS

CIRCUIT No.	LOAD DESCRIPTION	QUANTITY			V.A	VOLT	LOAD CURRENT / PHASE	BREAKER RATING			SIZE OF WIRES & CONDUITS	
		LO	CO	OTHER's				AT	P	AF	(mm ²) THHN	mm dia. Pvc/Rsc
A Grnd Floor/ UNIT 1 PB1												
1	LIGHTING OUTLET	25			1250	230	5.44	20	2	50	3.5 mm ²	15 mm dia.
2	LIGHTING OUTLET	21			1050	230	4.56	20	2	50	3.5 mm ²	15 mm dia.
3	LIGHTING OUTLET	24			1200	230	5.21	20	2	50	3.5 mm ²	15 mm dia.
4	DUPLEX C.O		10+EL		1850	230	8.04	20	2	50	3.5 + 1-3.5mm ²	15 mm dia.
5	DUPLEX C.O		7+EL		1310	230	5.70	20	2	50	3.5 + 1-3.5mm ²	15 mm dia.
6	AIRCON OUTLET, 3TON			1	3496	230	15.2	40	2	50	5.5 + 1-5.5mm ²	15 mm dia.
7	AIRCON OUTLET, 1 HP			1	1840	230	8.00	30	2	50	3.5 + 1-3.5mm ²	15 mm dia.
8	SPARE							30	2	50		
A SUB-TOTAL		70	17+EL	2	11,996	230	52.16	70	2	100	14 + 1-8.0mm ²	25 mm dia.
B Second Floor/ UNIT 2 PB2												
1	LIGHTING OUTLET	28			1400	230	6.08	20	2	50	3.5 mm ²	15 mm dia.
2	LIGHTING OUTLET	18			900	230	3.48	20	2	50	3.5 mm ²	15 mm dia.
3	DUPLEX C.O		8+EL		1490	230	6.48	20	2	50	3.5 + 1-3.5mm ²	15 mm dia.
4	DUPLEX C.O		7+EL		1310	230	5.70	20	2	50	3.5 + 1-3.5mm ²	15 mm dia.
5	AIRCON OUTLET, 1.5 HP			1	2300	230	10.0	30	2	50	3.5 + 1-3.5mm ²	15 mm dia.
6	AIRCON OUTLET, 1 HP			1	1840	230	8.00	30	2	50	3.5 + 1-3.5mm ²	15 mm dia.
B SUB-TOTAL		46	15+EL	2	10,246	230	44.55	70	2	100	14 + 1-8.0mm ²	25 mm dia.
TOTAL		116	32+EL	4	22,242	230	96.70	70	2	100	14 + 1-8.0mm ²	25 mm dia.



SCND FLR. POWER LAYOUT

1:60MTS.

ENGINEER DEOGRACIAS C. PASCUAL PROF. ELECT. ENGINEER		PROJECT TITLE / LOCATION PROPOSED TWO STOREY RESIDENTIAL KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan		OWNER		REVISIONS		REVISED BY DATE		SHEET NO.		
		PTR NO. PRC REG. NO. 2724	ISSUED ON TIN 187-908-449	ISSUED AT MALOLOS BULACAN	△5	△4	△3	△2	△1			E-01
						SHEET CONTENTS						
						LEGEND		SCND FLR. LIGHTING LAYOUT				
						GRND FLR. POWER LAYOUT		SCHEDULE OF LOADS				
						NOTE: THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS A PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT HIS CONSENT. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.		REPUBLIC ACT 545				
						DESIGNER	EES	CADDY	DCT	CHECKED BY	EES	DATE APRIL-2017

CONSTRUCTION NOTES

A. GENERAL

1. UNLESS INDICATED OTHERWISE, ALL DIMENSIONS, DISTANCES AND SIZES ARE IN MM.
2. INDICATED DIMENSIONS SHALL GOVERN OVER SCALED DIMENSIONS. SCALED DIMENSIONS SHALL BE USED FOR CONSTRUCTION PURPOSES.
3. CONSTRUCTION NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL DRAWINGS WHENEVER APPLICABLE UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITION.
4. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEELS, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC., SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS PIPE SLEEVES, ETC., TO BE EMBEDDED IN CONCRETE.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.
7. ALL STRUCTURAL WORKS SHALL BE EXECUTED IN ACCORDANCE WITH THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES VOL 1 (NSCP).
8. ANY DISCREPANCY RELATED TO SITE, DRAWINGS, CONTRADICTIONS, OR LACK OF INFORMATION SHALL BE CLARIFIED WITH NANDER ENGINEERING GROUP PRIOR TO COMMENCEMENT OF CONSTRUCTION, FABRICATION, OR INSTALLATION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FAILURE TO DO SO.

B. CONCRETE & REINFORCEMENT

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318) & NATIONAL STRUCTURAL CODE OF THE PHILIPPINES VOL 1 (NSCP).
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS W/ CORRESPONDING MAXIMUM SIZE AGGREGATE & SLUMPS AS FOLLOWS.

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE
FOOTING	3000 psi	1 in (25mm)
FOOTING TIE BEAM	3000 psi	3/4 in (19mm)
COLUMN, BEAM, SLAB	3000 psi	3/4 in (19mm)
WALL	3000 psi	3/4 in (19mm)
OTHERS	3000 psi	3/4 in (19mm)

3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 40 FOR DIAMETER 16mm & SMALLER BARS AND GRADE 60 FOR DIAMETER 20mm AND LARGER BARS.
4. IN GENERAL THE LATEST EDITION OF ACI-315, MANUAL OF STANDARD PRACTICE DETAILED REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.

SLAB	3/4 in (19 mm)
SLAB ON GRADE	1 1/2 in (38 mm)
WALLS ABOVE GRADE	1 in (25 mm)
BEAM STIRRUPS AND COLUMN TIES	1 1/2 in (38 mm)
WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS	2 in (50 mm)
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	3 in (75 mm)

6. SPLICES SHALL BE SECURELY WIRED TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE W/ TABLE OF LAP SPLICE & ANCHORAGE LENGTH UNLESS OTHERWISE SHOWN ON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.
7. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENT AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
9. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.
10. STRIPPING OF FORMS AND SHORES:

FOUNDATION	24 HOURS
WALLS, COLUMNS, SIDES OF BEAMS AND GIRDERS, AND SLABS ON GRADE	24 HOURS
SUSPENDED SLABS EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	8 DAYS
BEAM AND GIRDERS	14 DAYS

C. CAMBER REQUIREMENTS

1. UNLESS OTHERWISE NOTED ON THE PLANS OR SPECIFICATIONS CAMBER ALL BEAMS AT LEAST 10mm FOR EVERY 4000mm OF CLEAR SPAN EXCEPT CANTILEVERS WHICH SHALL BE 50mm FOR EVERY 3000mm OF CLEAR SPAN.
2. UNLESS OTHERWISE NOTED ON THE PLANS OR SPECIFICATIONS, CAMBER ALL RC SLABS 8mm FOR EVERY 3000mm OF SHORTER SPAN AND 14mm FOR EVERY 2000mm OF CANTILEVER SPAN.

D. MASONRY AND CONCRETE BLOCKS

1. ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE, TYPE CONCRETE BLOCKS, A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPa SHALL BE DEVELOPED.
2. PROVIDE 1-#16 EXTRA VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, AND EACH SIDE OF OPENINGS AS SHOWN.
3. LINTEL BEAMS SHALL BEAR AT LEAST 8 INCHES (200 MM) ON EACH SIDE OF MASONRY WALL OPENING.
4. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 30 BAR DIAMETER WHERE SPLICE DOWELS FROM FOOTING OR SLABS SHALL EXTEND INTO THE BLOCK WALL A MINIMUM OF 30 BAR DIAMETER, AND DOWELS TO MATCH.
5. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT.
6. WALL REINFORCEMENTS SHALL BE AS FOLLOWS.

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
8 in (200 mm)	#12 @ 400 OC	#10 @ 600 OC
6 in (150 mm)	#10 @ 400 OC	#10 @ 600 OC
4 in (100 mm)	#10 @ 400 OC	#10 @ 600 OC

E. FOUNDATION

1. IN THE ABSENCE OF SOIL REPORT, FOUNDATION WAS DESIGNED USING AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 2500 psf (120 kPa), IT IS THE CONTRACTOR'S RESPONSIBILITY TO VALIDATE THE ACTUAL SEC ON SITE.
2. FOUNDATION SHALL REST ON NATURAL SOIL UNLESS OTHERWISE NOTED BY THE ENGINEER, NO PART OF THE FOUNDATION SHALL REST ON FILL.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.
4. THE CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING, AND SHORING NECESSARY TO SAFELY RETAIN EXCAVATION AND EARTH BANKS.
5. ALL ON-SITE WORKS SHALL BE AS PER THE RECOMMENDATION OF THE PROJECT SOIL ENGINEER.
6. PILING, IF ANY, SHALL BE CONDUCTED WITH MINIMUM DISTURBANCE TO ADJACENT PROPERTIES.

F. STRUCTURAL STEEL

1. UNLESS OTHERWISE INDICATED IN THE PLANS, STRUCTURAL STEEL AND PLATES SHALL CONFORM TO ASTM-A36. CERTIFIED MILL TEST SHALL BE SUBMITTED BY THE FABRICATOR.
2. SUBMIT SHOP DRAWINGS FOR APPROVAL BY STRUCTURAL ENGINEER PRIOR TO FABRICATION.
3. SHOP DRAWINGS SHALL INCLUDE COMPLETE INFORMATION FOR THE FABRICATION AND ERECTION OF THE STRUCTURE'S COMPONENTS, INCLUDING THE LOCATION, TYPE, AND SIZE OF BOLTS, WELDS, MEMBER SIZES AND LENGTHS, CONNECTION DETAILS, BLOCKS, COPIES AND CUTS.
4. ALL CONNECTIONS, SPLICES, SIZES OR THICKNESS OF STRUCTURAL STEEL COMPONENTS SUCH AS BASE PLATES, CLEATS, STIFFENERS, ETC. SHALL COMPLY WITH DETAILS SHOWN ON DRAWINGS.
5. THE STEEL FRAMES OR TRUSSES SHALL BE CARRIED TRUE AND PLUMB WITHIN THE LIMITS DEFINED UNDER THE AWS CODE OF PRACTICE. TEMPORARY BRACING SHALL BE PROVIDED WHEREVER NECESSARY TO TAKE OF ALL THE CONSTRUCTION LOADS TO WHICH THE STRUCTURE MAY BE SUBJECT. SUCH BRACING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY.
6. WELDING ELECTRODES AND FLUXES SHALL CONFORM WITH THE AWS SPECIFICATIONS. MANUFACTURER'S CERTIFICATION SHALL CONSTITUTE SUFFICIENT EVIDENCE OF CONFORMITY WITH THE SPECIFICATIONS. E60 OR E70 ELECTRODES SHALL BE USED UNLESS OTHERWISE SPECIFIED BY THE STRUCTURAL ENGINEER.
7. THE FABRICATOR SHALL HAVE THE WELDS TESTED BY ANY INDEPENDENT COMPANY ENGAGED IN NON-DESTRUCTIVE TESTING. THE WELDS SHALL BE ACCEPTED AND ARE CONSIDERED SATISFACTORY IF 9 OUT OF 10 SAMPLES PASSED THE REQUIREMENTS. OTHERWISE, THE WELDS SHALL NOT BE CONSIDERED.
8. POSITIONING, ALIGNMENT, AND PLUMBNESS NO PERMANENT BOLTING OR WELDING SHALL BE PERMITTED UNTIL AS MUCH OF THE STRUCTURE ARE STIFFENED AND ALIGNED. CAMBER AS SPECIFIED IN THE DRAWINGS SHALL BE PROVIDED ON ALL CANTILEVER BEAMS.
9. ALL DIMENSIONS IN THE PLANS SHALL BE VERIFIED BY THE STEEL FABRICATOR IN THE FIELD IN COORDINATION WITH THE GENERAL CONTRACTOR.
10. UNLESS OTHERWISE SPECIFIED IN THE PLANS, GUSSET PLATES AND STIFFENERS SHALL BE 6mm THK (MIN).

11. ALL SPLICES SHALL BE STAGGERED. NO SPLICE SHALL BE PERMITTED AT POINTS WHERE CRITICAL STRESSES OCCUR. SPLICE PLATES SHALL HAVE MINIMUM LENGTH OF 300mm.
12. ALL BEARING PLATES SHALL HAVE A MINIMUM THICKNESS OF 10mm.
13. ALL ERECTION BOLT HOLES SHALL BE 3mm PLUS NOMINAL BOLT DIAMETER.
14. ALL CUTTING SHALL BE NEAT CUT.
15. SURFACE PREPARATION: DEPENDING ON THE CONDITION OF STEEL, BRUSH OFF OR SANDBLAST AWAY ALL FORMS OF RUST, APPLY RUST CONVERTER IF SO DIRECTED BY THE CONSTRUCTION MANAGER.
16. SHOP PAINTING: ALL STEEL WORKS SHALL BE COATED WITH EPOXY PRIMER OR ANY APPROVED EQUIVALENT BRAND, 2 COATS, PRIOR TO THE DELIVERY TO SITE. LABEL ALL BEAMS WITH 100mm HIGH LABELS.
17. FIELD PAINTING: CLEAN ALL FIELD WELDS AND APPLY 2 COATS OF EPOXY PRIMER OR ANY APPROVED EQUIVALENT BRAND WITH DIFFERENT COLOR. THEN, AFTER ERECTION, APPLY FINISH COAT OF EPOXY WITH DIFFERENT SHADE OF COLOR.

PROFESSIONAL LIABILITY NOTE:

THE STRUCTURAL DESIGN WAS BASED ON THE ASSUMPTION THAT THE CONTRACTOR WILL STRICTLY FOLLOW ALL THE DETAILS, SPECIFICATIONS, AND REQUIREMENTS PROVIDED HEREIN.

ANY DEVIATION OR MISINTERPRETATION FOUND DURING CONSTRUCTION AND ON THE ACTUAL CONSTRUCTED STRUCTURE FROM THESE PLANS AND SPECIFICATIONS SHALL MEAN AUTOMATIC TERMINATION OF PROFESSIONAL RESPONSIBILITY AND LIABILITY OF THE SIGNING ENGINEER AND THE COMPANY.

NOTES:

1. YIELD STRESS OF HOOPS $f_y = 40\text{ksi}$ (275 MPa).
2. D = USE MAXIMUM COLUMN DIMENSION, 1/6 CLEAR HEIGHT, 450mm WHICHEVER IS GREATER.
3. NUMBER OF HOOP TIES SAME AS PER COLUMN TIES SCHEDULE.
4. ALL CONCRETE REINFORCEMENT DETAIL SHOULD BE DONE IN ACCORDANCE WITH ACI DETAILING MANUAL.

2d (NO PIPE SLEEVE) SHALL BE ALLOWED WITHIN THIS ZONE, TYP

TOP BARS (PIPE) STIR AS PER SCHED

2 - EXTRA STIR EA SIDE OF SLEEVE

TOP BARS

16 EXTRA BARS EF (DIAGONALS)

16 CROSS ANCHORS WELDED TO SLEEVE

BOTTOM BARS PIPE SLEEVES

SEE STRUCTURAL ENGINEER'S APPROVAL FOR PIPE SLEEVES W/ DIAMETERS BIGGER THAN THE MAXIMUM STIPULATED.

2. PIPE SLEEVES SHALL BE LOCATED WITHIN TENSION ZONES OF BEAM.

3. NO PIPE SLEEVE SHALL BE ALLOWED AT TWICE THE BEAM DEPTH (2d) FROM THE SUPPORT.

4. PIPE SLEEVE MAXIMUM DIAMETER IS : (LEAST GOVERN)

a. 1/5 OF BEAM DEPTH b. #100

(LIMIT LOCATION OF PIPE SLEEVE)

L

NOTES:

1. SEEK STRUCTURAL ENGINEER'S APPROVAL FOR PIPE SLEEVES W/ DIAMETERS BIGGER THAN THE MAXIMUM STIPULATED.
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4. PIPE SLEEVE MAXIMUM DIAMETER IS : (LEAST GOVERN)

a. 1/5 OF BEAM DEPTH b. #100

WF-1 AT EDGE OR PERIMETER CHB WALL

WF-2 AT INTERIOR CHB WALLS

WF-3 AT INTERIOR CHB WALLS WITH SLAB ELEVATION DIFFERENCE

WF-4 150MM THK. PERIMETER CHB FENCE WALL

1-#16 VERTICAL BARS CHB WALL

OPENING OR END WALL

RC COLUMN OR WALL DOWEL BARS TO MATCH CHB HORIZONTAL BARS

12 THK EXPANSION JOINT WITH MASTIC FILLER

1-#16 VERTICAL BARS CHB WALL

INTERSECTION WALL

INTERSECTING RC COL OR WALL

NOTES: FOR SIZE AND SPACING OF HORIZONTAL & VERTICAL BARS SEE CONSTRUCTION NOTES.

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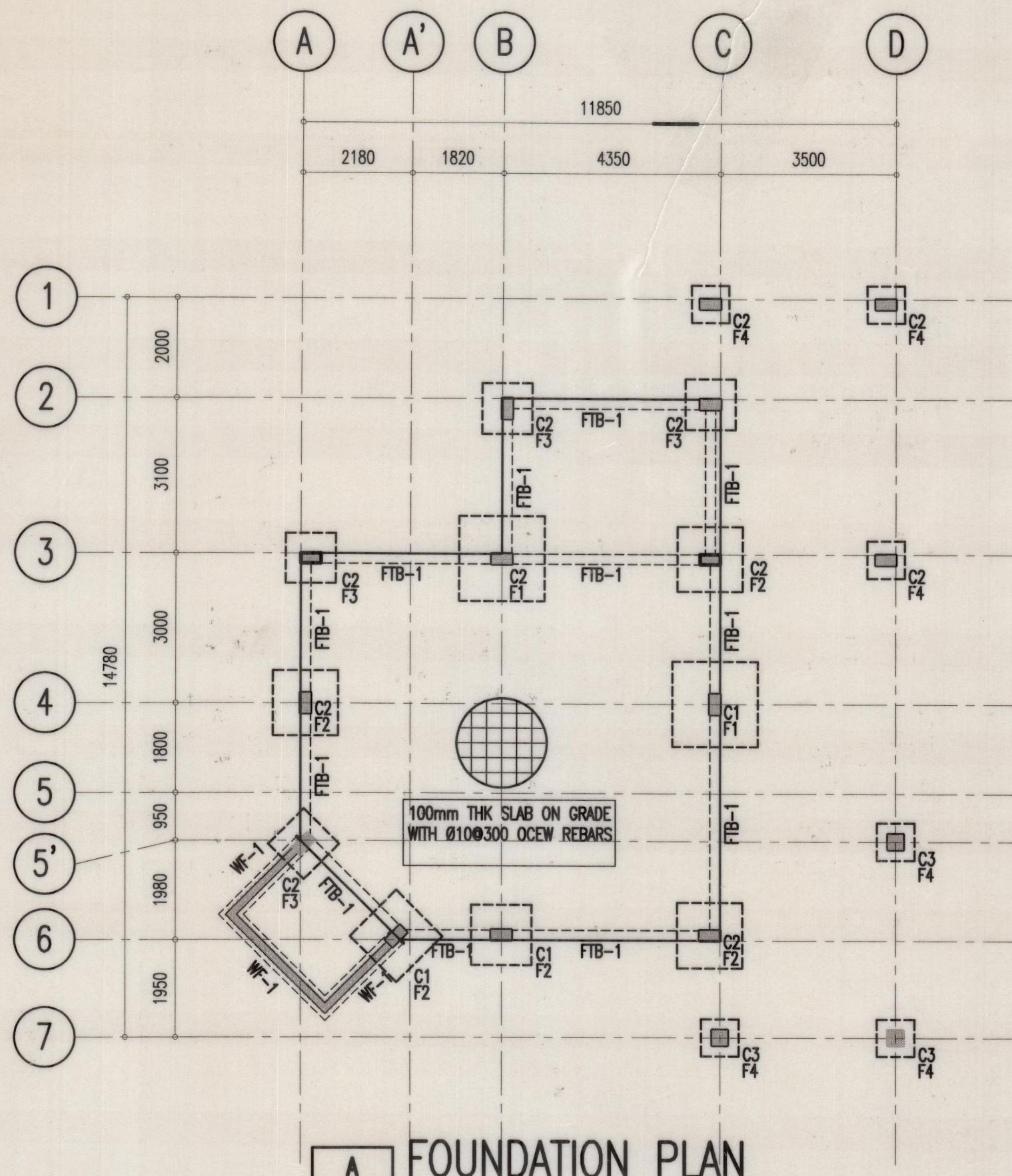
NOTES: FOR SIZE AND SPACING OF HORIZONTAL & VERTICAL BARS SEE CONSTRUCTION NOTES.

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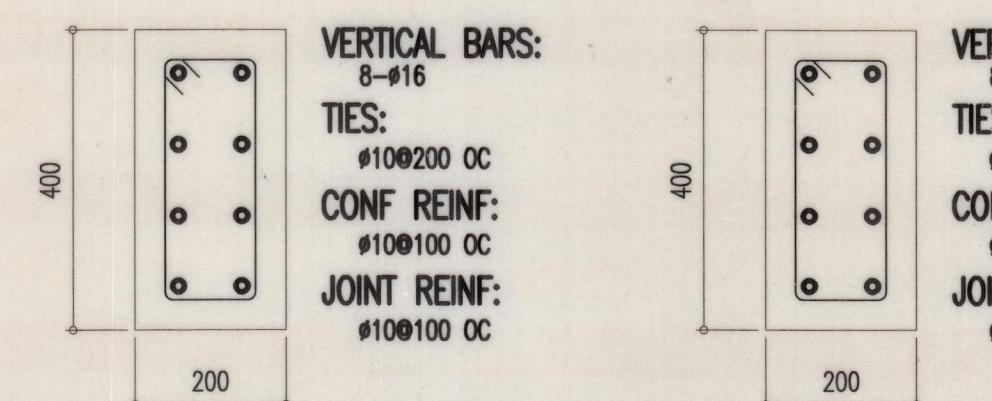
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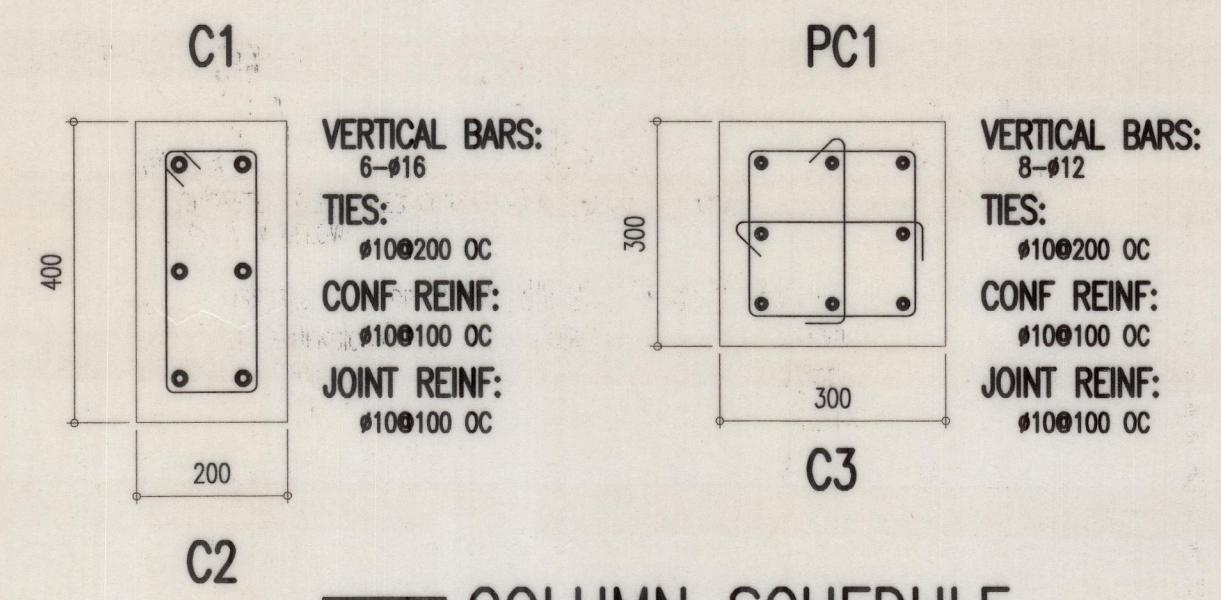
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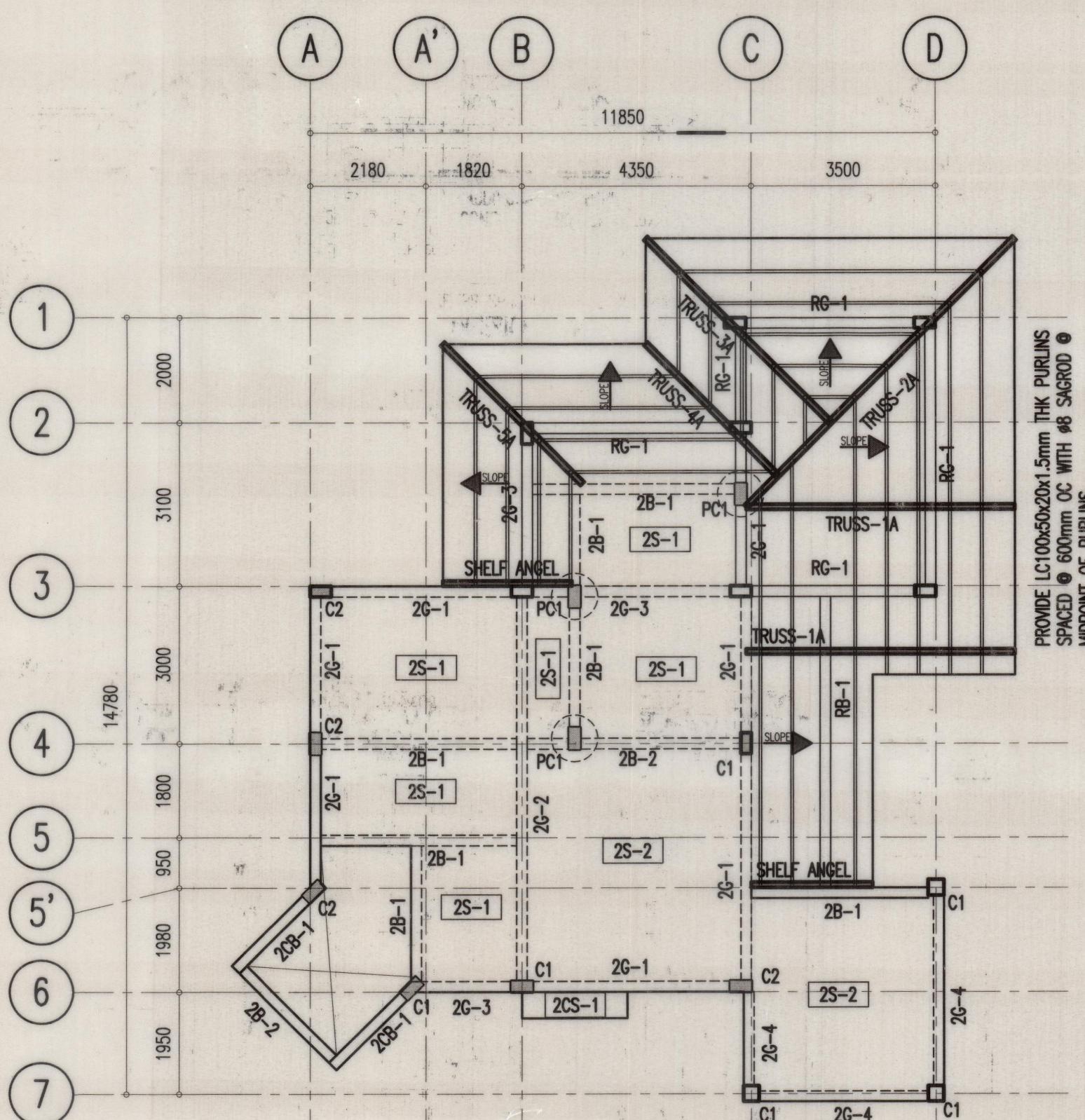
A FOUNDATION PLAN
S 2 SCALE: 1:100



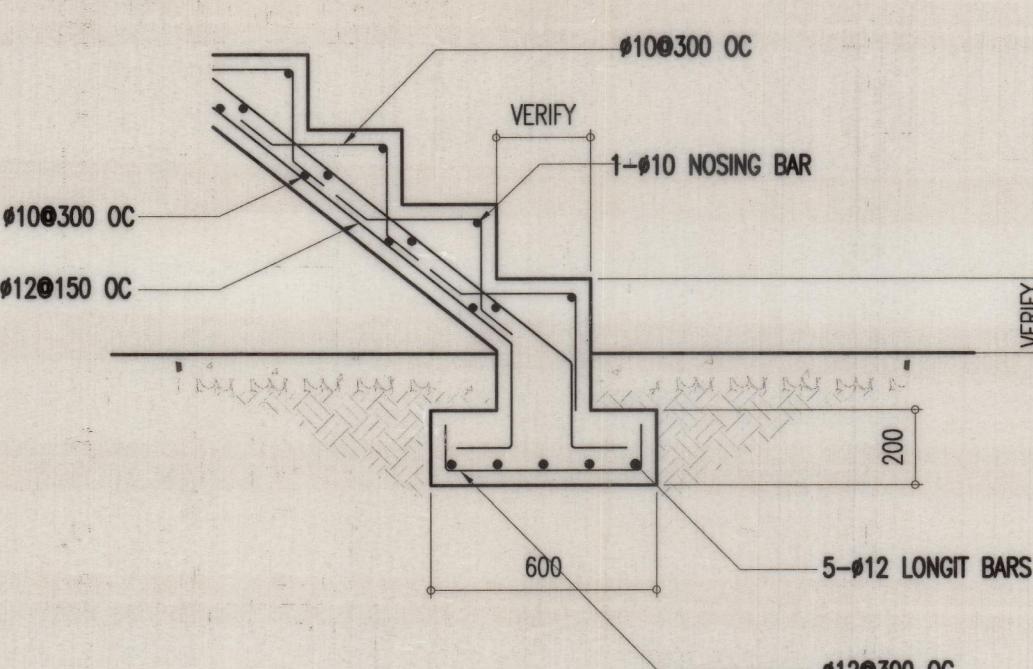
LEGEND:
 CONTINUOUS COLUMN
 TERMINATED COLUMN
 PLANTED COLUMN



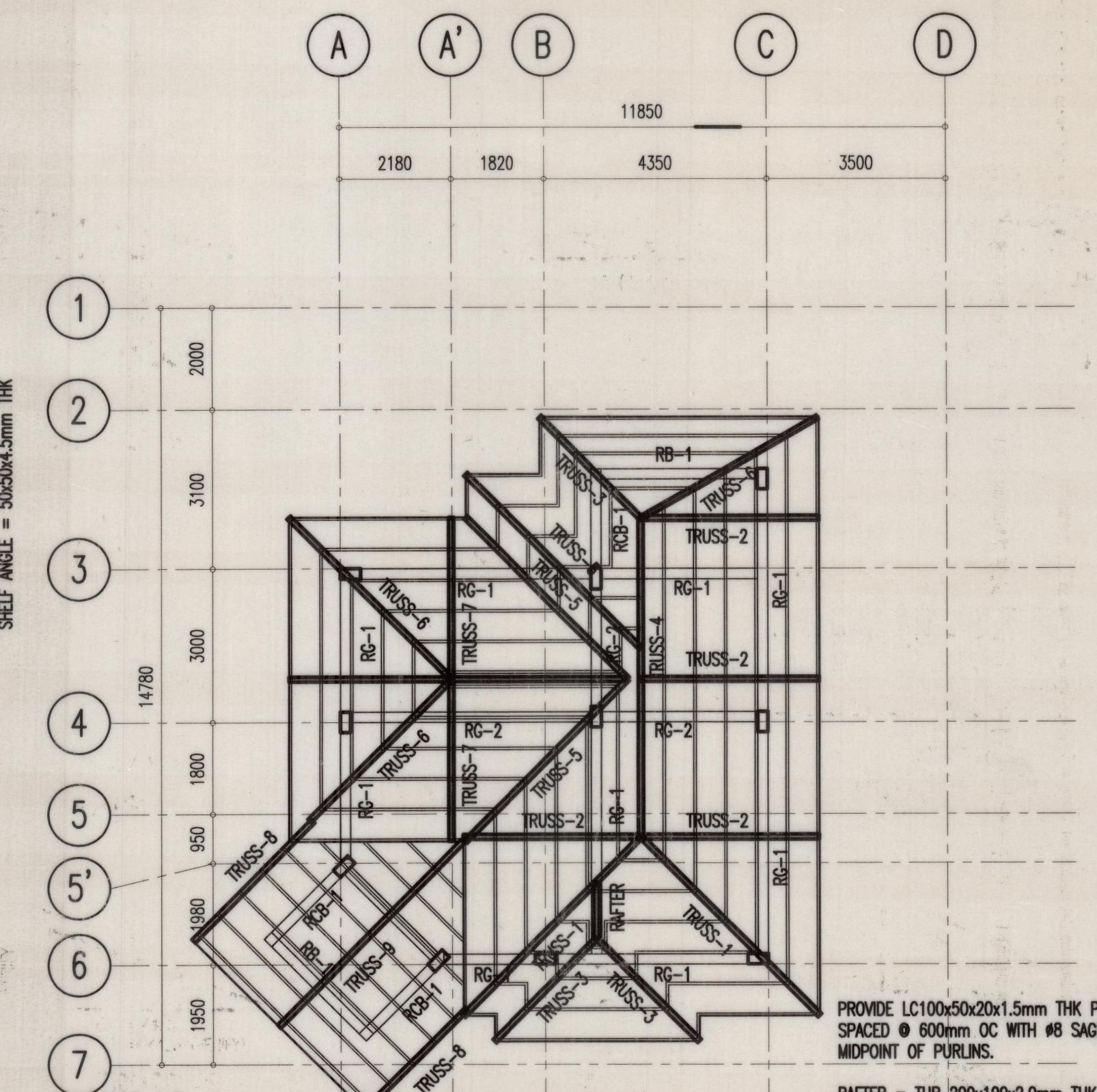
D COLUMN SCHEDULE
S 2 SCALE: 1:10



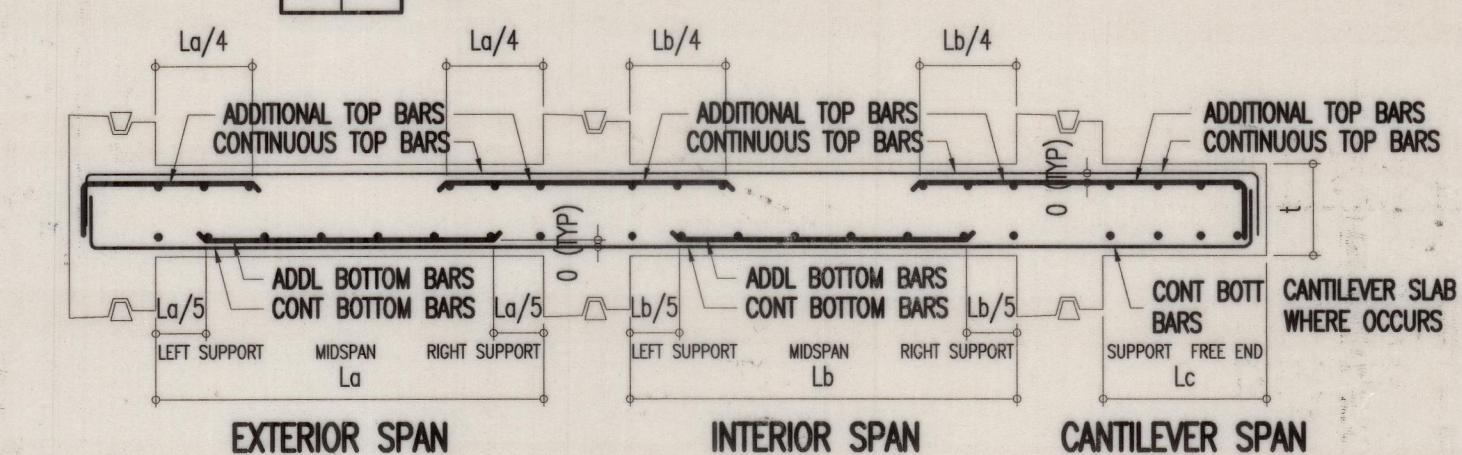
B SECOND FLOOR FRAMING PLAN
S 2 SCALE: 1:100



E TYPICAL STAIR REINFORCEMENT DETAIL
S 5 SCALE: NTS



C ROOF FRAMING PLAN
S 2 SCALE: 1:100



F TYPICAL RC SLAB REINFORCEMENT DETAIL
S 2 SCALE: NTS

SLAB SCHEDULE

SECOND FLOOR LEVEL	FLW	MARK	THK (t)	REINFORCING BAR SPACING		MIN COMP STRENGTH (f _c , MPa)	REMARKS
				ALONG SHOR. DIRECTION REBAR(s) CONT	ALONG LONG. DIRECTION REBAR(s) CONT		
2S-1	100		100	TOP 10 400 200	BOT 10 200	20.7	
2S-2	125		125	TOP 10 400 200	BOT 10 400 200	20.7	
2CS-1	125		125	TOP 10 400	BOT 10 200	20.7	

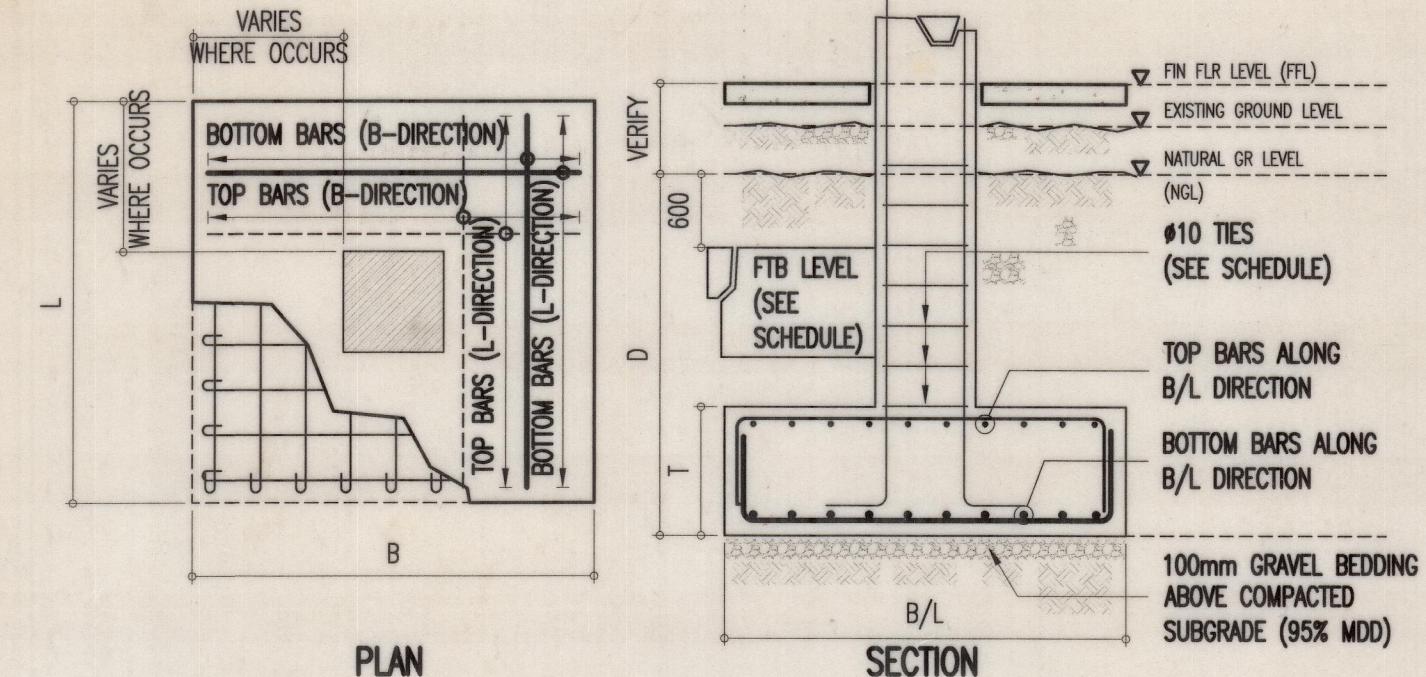
GENERAL NOTE:
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4. ANY DISCREPANCY RELATED TO SITE, DRAWINGS, CONTRADICTIONS, OR LACK OF INFORMATION SHALL BE CLARIFIED WITH NANDER ENGINEERING GROUP PRIOR TO COMMENCEMENT OF CONSTRUCTION, FABRICATION, OR INSTALLATION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FAILURE TO DO SO.

ENGINEER: MENANDRO MANALOTO DE LEON JR, M.ASCE, M.PICE
CLIENT: _____
PRC NO. CE 105083 PTR NO. 6224812U
ASEP NO. CE 105083-2011-00258 DATE OF ISSUE JANUARY 05, 2018
TIN NO. 246-986-815 PLACE: MALOLOS CITY, BULACAN

NO.	REVISIONS	DATE	DWNO	CHK	PURPOSE OF ISSUE	SCALE	SHEET CONTENT
					<input type="checkbox"/> FOUNDATION PLAN <input type="checkbox"/> SECOND FLOOR FRAMING PLAN <input type="checkbox"/> ROOF FRAMING PLAN <input type="checkbox"/> COLUMN SCHEDULE <input type="checkbox"/> TYPICAL STAIR REINFORCEMENT DETAIL <input type="checkbox"/> TYPICAL SLAB REINFORCEMENT DETAIL		
					DRAWN: FSS/AJPL DESIGNED: FSS/AJPL CHECKED: MEB DESIGN APPROVED: MML	MAR2018 MAR2018 MAR2018 MAR2018	
					PROJECT APPROVED: MML	MAR2018	
					PROJECT APPROVED: MML	MAR2018	

PROJECT: PROPOSED 2-STORY RESIDENCE
KIN BLOCK 7 LOT 39, CAMAYA COAST, BRGY. BIAN, MARIVELES, BATAN
For the term of the copyright in the design, the Nander Engineering Group (NEG) grants the right to use, adapt, develop and revise this drawing to meet the needs of the PROPOSED 2-STORY RESIDENCE only.
DWG NO.: S 02
REV: 0
SIZE: 20x30

HEADQUARTERS:
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PHILIPPINES



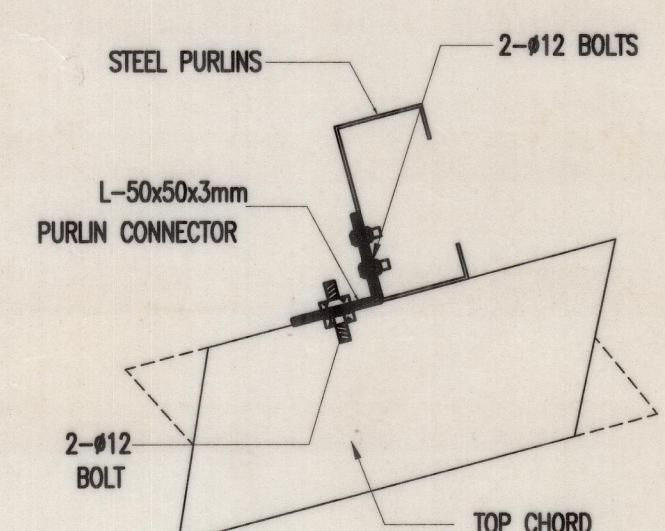
B TYPICAL FOOTING REINFORCEMENT DETAIL

S 3 SCALE:

FOOTING SCHEDULE

MARK	WIDTH (B)	LENGTH (L)	THK (T)	EMBED DEPTH (D)	NO. OF REBAR(S) ALONG (B) DIRECTION	REBAR(S) ALONG (L) DIRECTION	MIN COMP STRENGTH (f _c , MPa)	REMARKS
F1	1700	1700	300	1500	TOP 9 BOT 16	TOP 9 BOT 16	20.7	ISOLATED
F2	1300	1300	300	1500	TOP 7 BOT 16	TOP 7 BOT 16	20.7	ISOLATED
F3	1000	1000	300	1500	TOP 5 BOT 16	TOP 5 BOT 16	20.7	ISOLATED
F4	750	750	300	1500	TOP 4 BOT 16	TOP 4 BOT 16	20.7	ISOLATED

WF-1/WF-2/WF-3/WF-4 = WALL FOOTING, SEE SHEET S-1

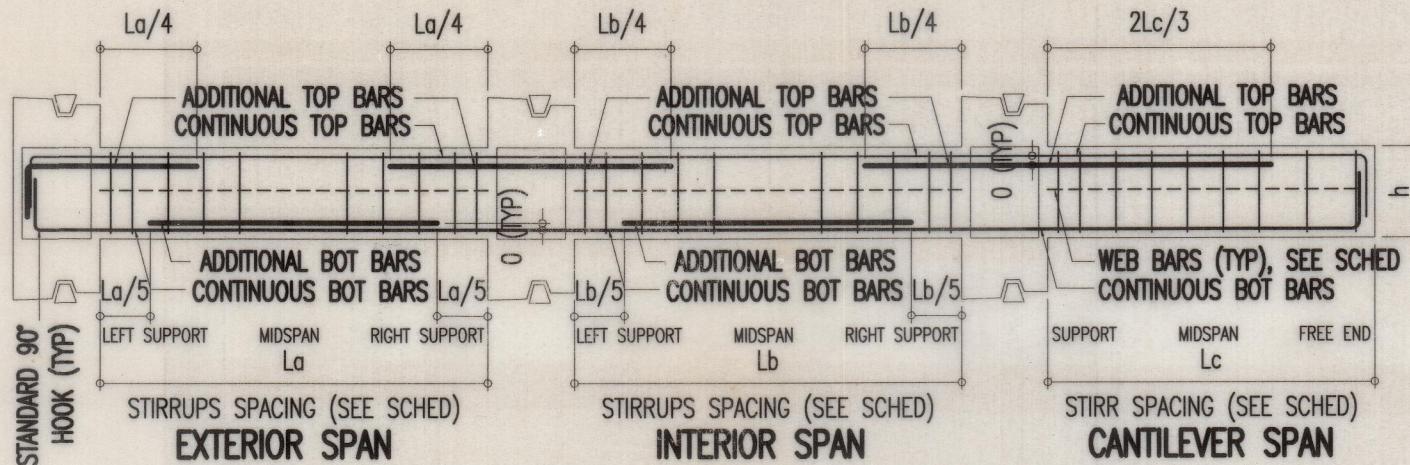


C TYP PURLIN CONN DET

S 3 SCALE:

NOTES ON STRUCTURAL TOLERANCE:

- 1.0 UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, THE FOLLOWING ARE THE ACCEPTABLE STRUCTURAL TOLERANCES FOR CAST-IN PLACE CONCRETE CONSTRUCTION. ALL DIMENSIONS, WHICH ARE NOT WITHIN THE REQUIRED TOLERANCES, SHALL BE CORRECTED PRIOR TO POURING OF CONCRETE. TOLERANCES FOR PRE-CAST CONCRETE CONSTRUCTION SHALL BE $\frac{1}{2}$ OF THE VALUES GIVEN BELOW:
 - 1.1.1 DIMENSIONAL LESS THAN 200mm $\pm 6mm$
 - 1.1.2 200mm TO 600mm $\pm 9mm$
 - 1.1.3 OVER 600mm $\pm 12mm$
- 1.2 MEMBER LENGTHS OR HEIGHT (MAXIMUM LIMITATION = 12mm) 6mm per 3.0m
- 1.3 DEVIATION FROM STRAIGHT LINE (SWEEP AND/OR PLUMBNESS) 6mm per 3.0m
- 1.4 LOCATIONS OF BAR CUT-OFF OR BONDS $\pm 50mm$



B TYPICAL RC BEAM REINFORCEMENT DETAIL

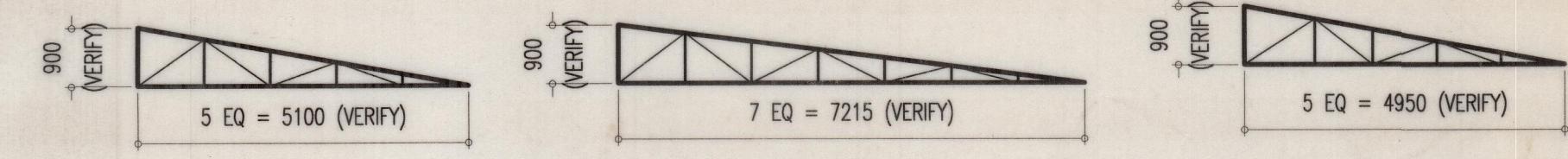
S 3 SCALE:

STIRRUPS TYPE:

A - #10: 1050; 5075; 5 @ 100; 5 @ 150; R @ 200 TO C.L.
 B - #10: 1050; 5 @ 100; 5 @ 150; R @ 200 TO C.L.
 C - #10: 1050; R @ 200 TO C.L.
 D - #10: 1050; 3@100; R @ 150 TO FREE END

REINFORCED CONCRETE BEAM SCHEDULE

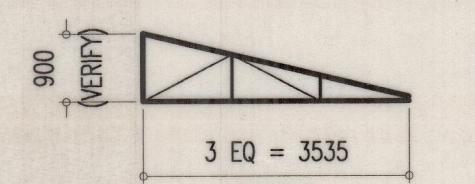
FDN L.M.	MARK	CROSS SECTION	NO. OF LONGITUDINAL REINFORCEMENT	WEB BARS EACHFACE	STIRRUPS # TYPE NO/SET	MIN COMP STRENGTH (f _c , MPa)	REMARKS	ROOF LEVEL
FTB-1	200	400	16	TOP 3 BOT 3	3 3 3	- 10 C 1	20.7	TIE-BEAM
2G-1	200	400	16	TOP 4 BOT 2	2 4 2	- 10 A 1	20.7	
2G-2	200	500	16	TOP 4 BOT 2	2 4 2	- 10 A 1	20.7	
2G-3	200	400	16	TOP 6 BOT 3	3 6 3	- 10 A 1	20.7	
2G-4	200	300	16	TOP 3 BOT 2	2 3 2	- 10 A 1	20.7	
2B-1	200	300	16	TOP 3 BOT 2	2 3 2	- 10 B 1	20.7	
2B-2	200	400	16	TOP 3 BOT 3	3 3 3	- 10 B 1	20.7	
2CB-1	200	400	16	TOP 4 BOT 2	4 2 2	- 10 D 1	20.7	
RG-1	200	300	16	TOP 3 BOT 2	2 3 2	- 10 A 1	20.7	
RG-2	200	400	16	TOP 3 BOT 3	3 3 3	- 10 A 1	20.7	
RB-1	200	300	12	TOP 3 BOT 2	2 3 2	- 10 B 1	20.7	
RCB-1	200	400	12	TOP 3 BOT 2	3 2 2	- 10 D 1	20.7	



TRUSS-1A

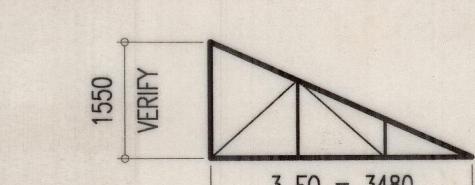
TRUSS-2A

TRUSS-3A



TRUSS-4A

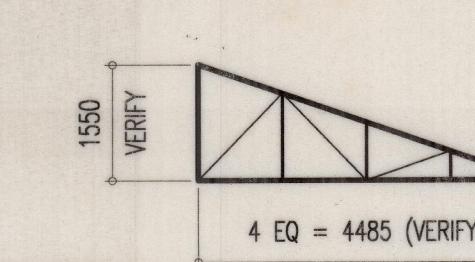
TRUSS-5A



TRUSS-2

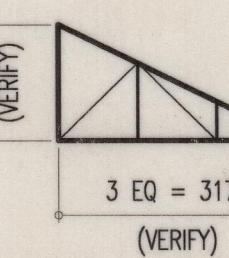
TRUSS-3

TRUSS-4

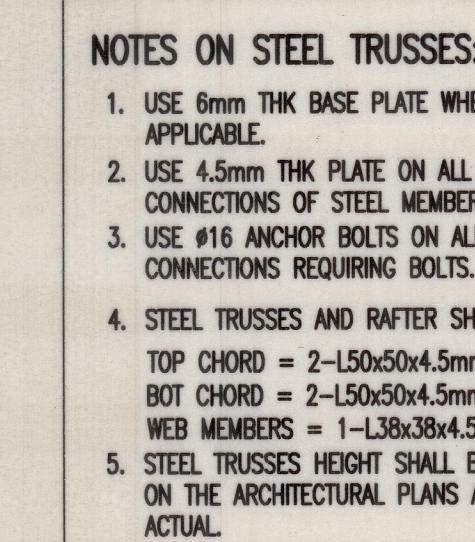


TRUSS-5

TRUSS-6



TRUSS-7



TRUSS-8

D SCHEMATIC TRUSS DIAGRAM

1:100

S 3 SCALE:

GENERAL NOTE:	ENGINEER	CLIENT
1. UNLESS INDICATED OTHERWISE, ALL DIMENSIONS, DISTANCES AND SIZES ARE IN MM.		
2. INDICATED DIMENSIONS SHALL COVER OVER SCALDED DIMENSIONS. SCALDED DIMENSIONS SHALL BE USED FOR CONSTRUCTION PURPOSES.		
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS PIPE SLEEVES, ETC., TO BE EMBEDDED IN CONCRETE.		
4. ANY DISCREPANCY RELATED TO SITE, DRAWINGS, CONTRADICTIONS, OR LACK OF INFORMATION SHALL BE CLARIFIED WITH NANDER ENGINEERING GROUP PRIOR TO COMMENCEMENT OF CONSTRUCTION, FABRICATION, OR INSTALLATION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FAILURE TO DO SO.		
PRC NO. CE 105083 PTR NO. 6224812U		
ASEP NO. CE 105083-2011-00258 DATE OF ISSUE JANUARY 05, 2018		
TIN NO. 246-986-615 PLACE MALOLOS CITY, BULACAN		

GENERAL NOTE:	ENGINEER	CLIENT
1. UNLESS INDICATED OTHERWISE, ALL DIMENSIONS, DISTANCES AND SIZES ARE IN MM.		
2. INDICATED DIMENSIONS SHALL COVER OVER SCALDED DIMENSIONS. SCALDED DIMENSIONS SHALL BE USED FOR CONSTRUCTION PURPOSES.		
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS PIPE SLEEVES, ETC., TO BE EMBEDDED IN CONCRETE.		
4. ANY DISCREPANCY RELATED TO SITE, DRAWINGS, CONTRADICTIONS, OR LACK OF INFORMATION SHALL BE CLARIFIED WITH NANDER ENGINEERING GROUP PRIOR TO COMMENCEMENT OF CONSTRUCTION, FABRICATION, OR INSTALLATION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FAILURE TO DO SO.		
PRC NO. CE 105083 PTR NO. 6224812U		
ASEP NO. CE 105083-2011-00258 DATE OF ISSUE JANUARY 05, 2018		
TIN NO. 246-986-615 PLACE MALOLOS CITY, BULACAN		

NO.	REVISIONS	DATE	DWN CHK	PURPOSE OF ISSUE	SCALE	SHEET CONTENT
				<input type="checkbox"/> BID PLANS	<input type="checkbox"/> PRELIMINARY PLANS	
				<input type="checkbox"/> PERMIT PLANS		
				<input type="checkbox"/> CONSTRUCTION PLANS		

TYPICAL FOOTING REINFORCEMENT DETAIL
TYP PURLIN CONN DET
TYPICAL RC BEAM REINFORCEMENT DETAIL
SCHEMATIC TRUSS DIAGRAM

DRAWN FDS/JCPL MAR2018
DESIGNED FDS/JCPL MAR2018
CHECKED MEB MAR2018
DESIGN APPROVED MML MAR2018
PROJECT APPROVED MML MAR2018

PROPOSED 2-STORY RESIDENCE

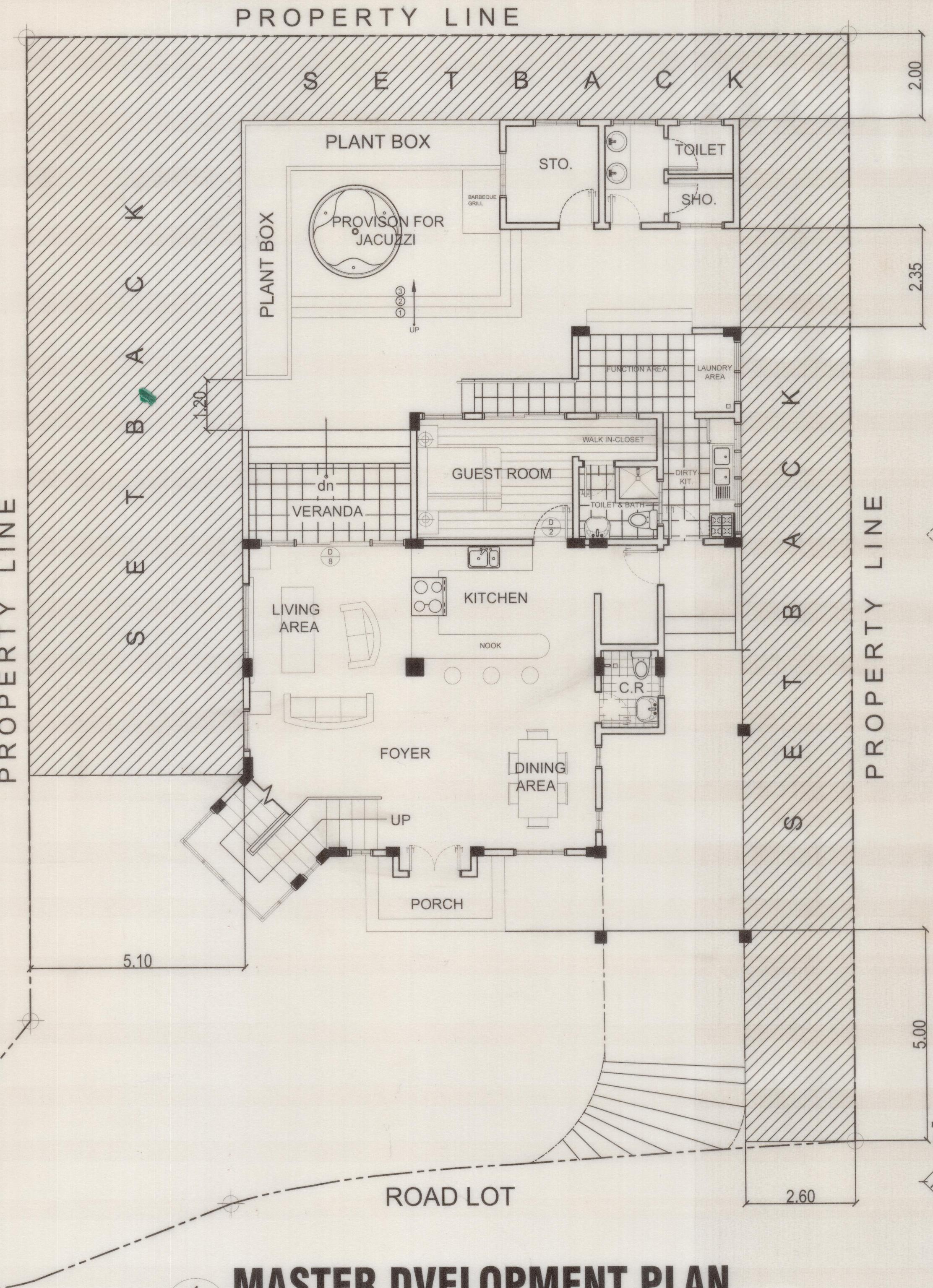
KHN BLOCK 7 LOT 39, CANAYA COAST, Brgy. BIAN, MARIVELES, BATAN
For the term of the copyright in the design,
Nander Engineering Group (NEG) grants the right
to use, adapt, develop and revise this drawing
for the purposes of the PROPOSED 2-STORY
RESIDENCE only.

DWG NO. S-03

REV. 0

SIZE 20x30

HEADQUARTERS: 3F ESEN BUILDING, 101 BISAYA CONGRESO LANG, CITY OF MALOLOS 3000 BULACAN, PHILIPPINES M: (63) 917 834 71 61 E: mohabu@nandergroup.com	NANDER ENGINEERING GROUP STRUCTURAL ENGINEERS SATELITE: 34C BUNIN, THE CAPITAL TOWERS E. RODRIGUEZ AVENUE NEW MANILA, QUEZON CITY PHILIPPINES
--	--



1
A-6
SCALE:

MASTER DEVELOPMENT PLAN
1:75MTS.

ARCHITECT

AR. DAHNIEL C. TING

PTR NO. 0157786

ISSUED ON 1/25/2018

ISSUED AT MALOLOS BULACAN

PROJECT TITLE / LOCATION

PROPOSED TWO STOREY RESIDENTIAL
KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan

NOTE: THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS A PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN PART
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REPUBLIC ACT 545

OWNER

SHEET CONTENTS
MASTER DEVELOPMENT PLAN
GROUND FLOOR ROOF PLAN
SECOND FLOOR ROOF PLAN

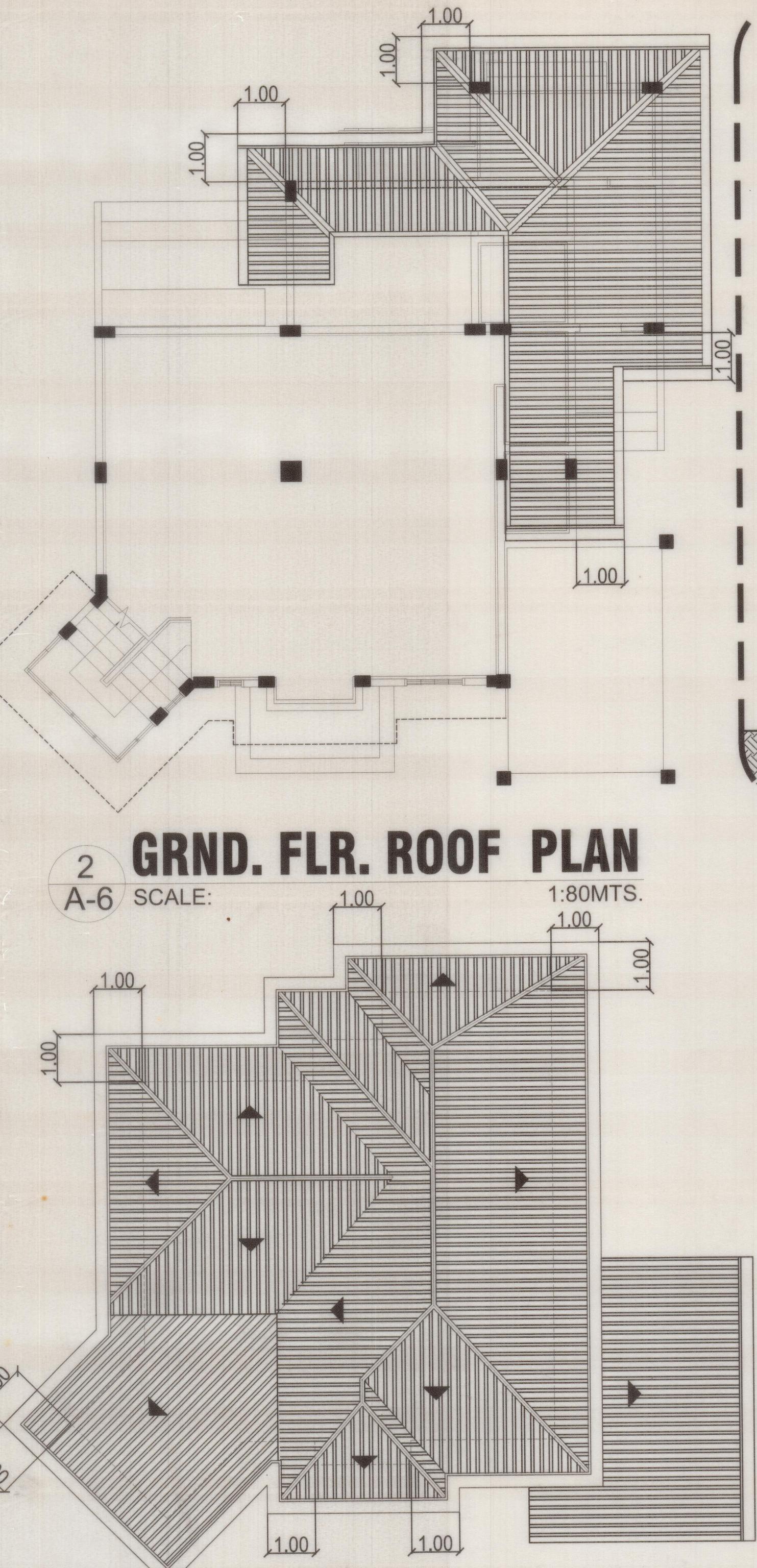
REVISIONS

REVISED BY

DATE

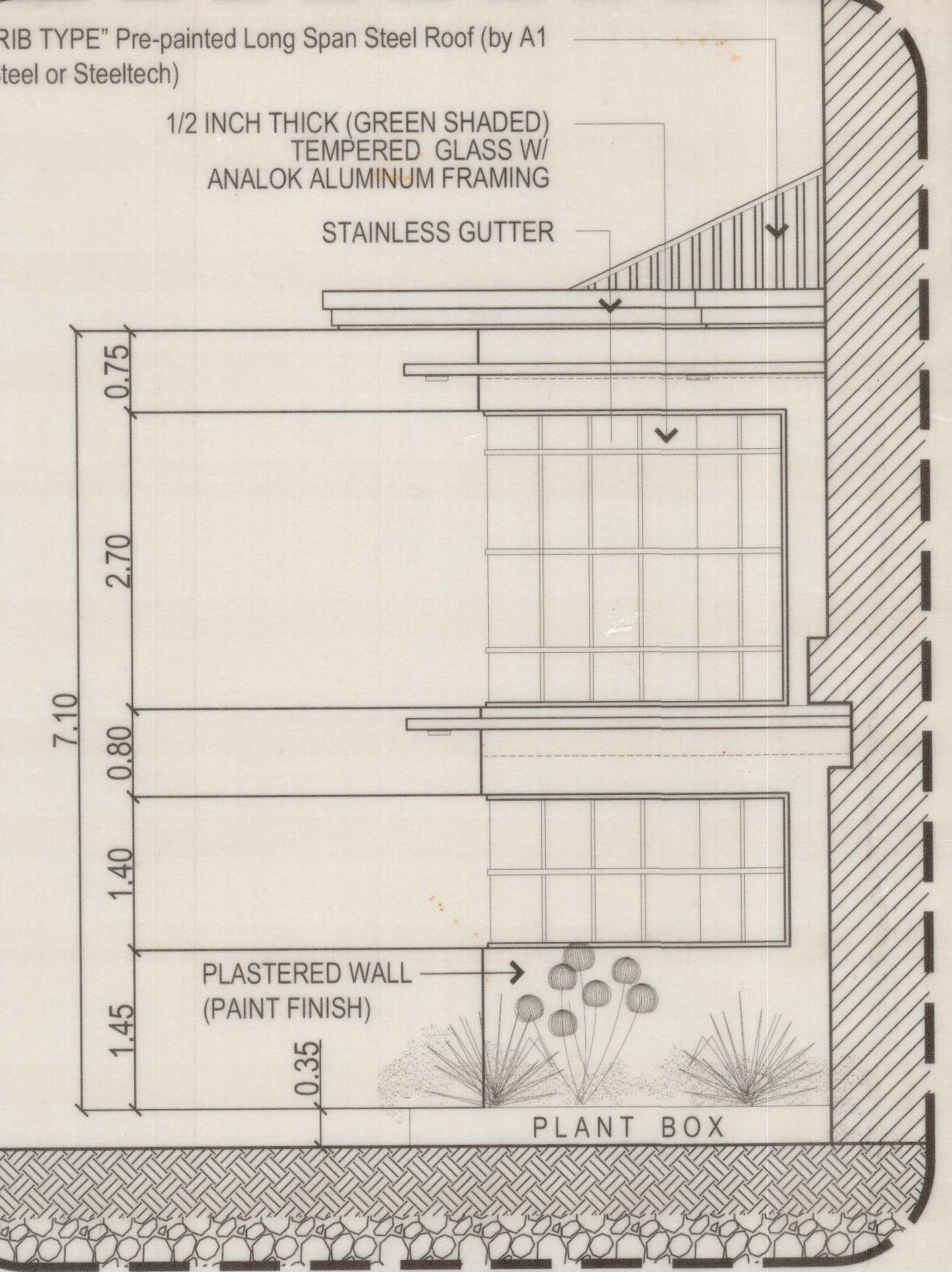
SHEET NO.

A-06



3
A-6
SCALE:

GRND. FLR. ROOF PLAN
1:80MTS.

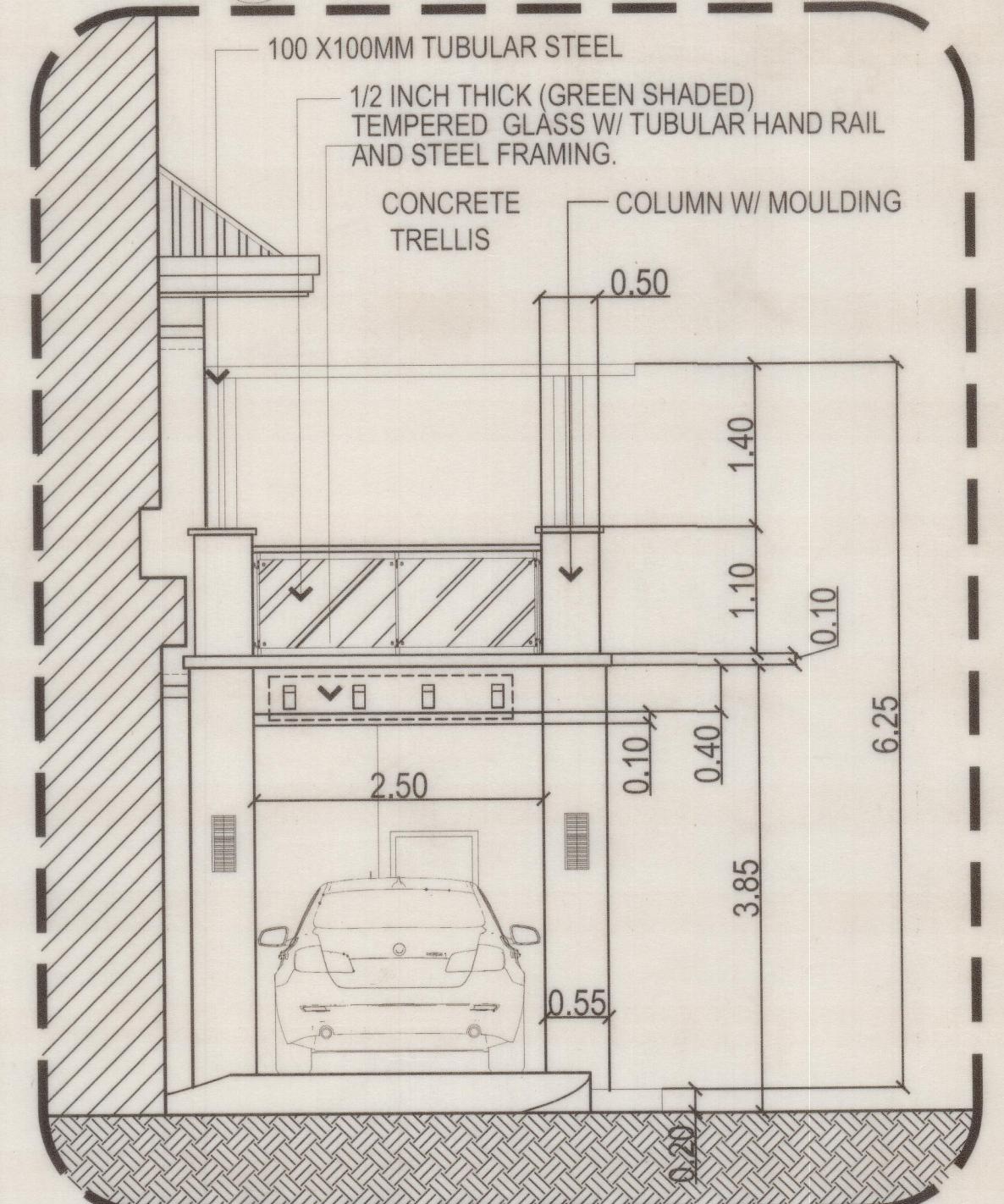


4
A-6
SCALE:
1:55MTS.

100 X100MM TUBULAR STEEL
1/2 INCH THICK (GREEN SHADED)
TEMPERED GLASS W/ TUBULAR HAND RAIL
AND STEEL FRAMING.

CONCRETE
COLUMN W/ MOULDING
TRELLIS

COLUMN W/ MOULDING

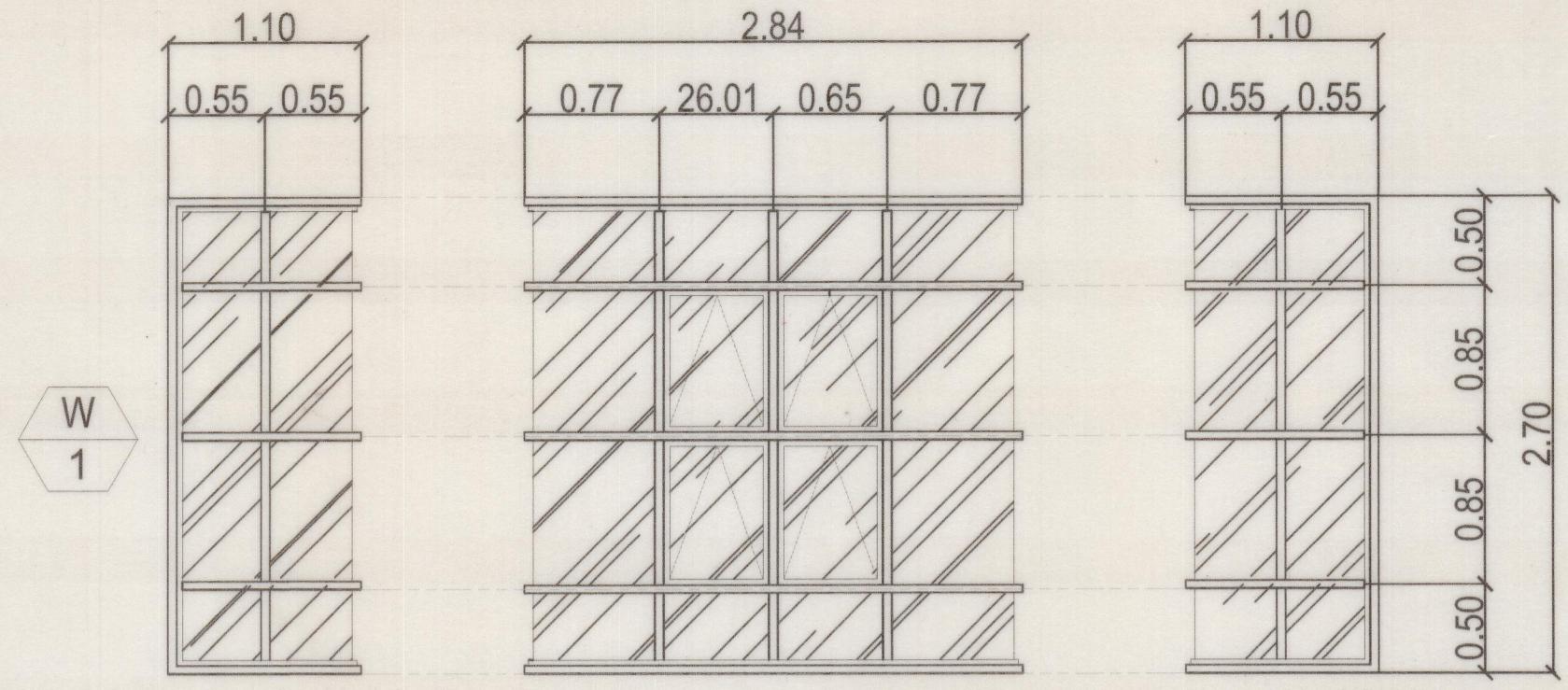


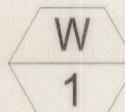
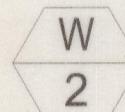
5
A-6
SCALE:
1:55MTS.

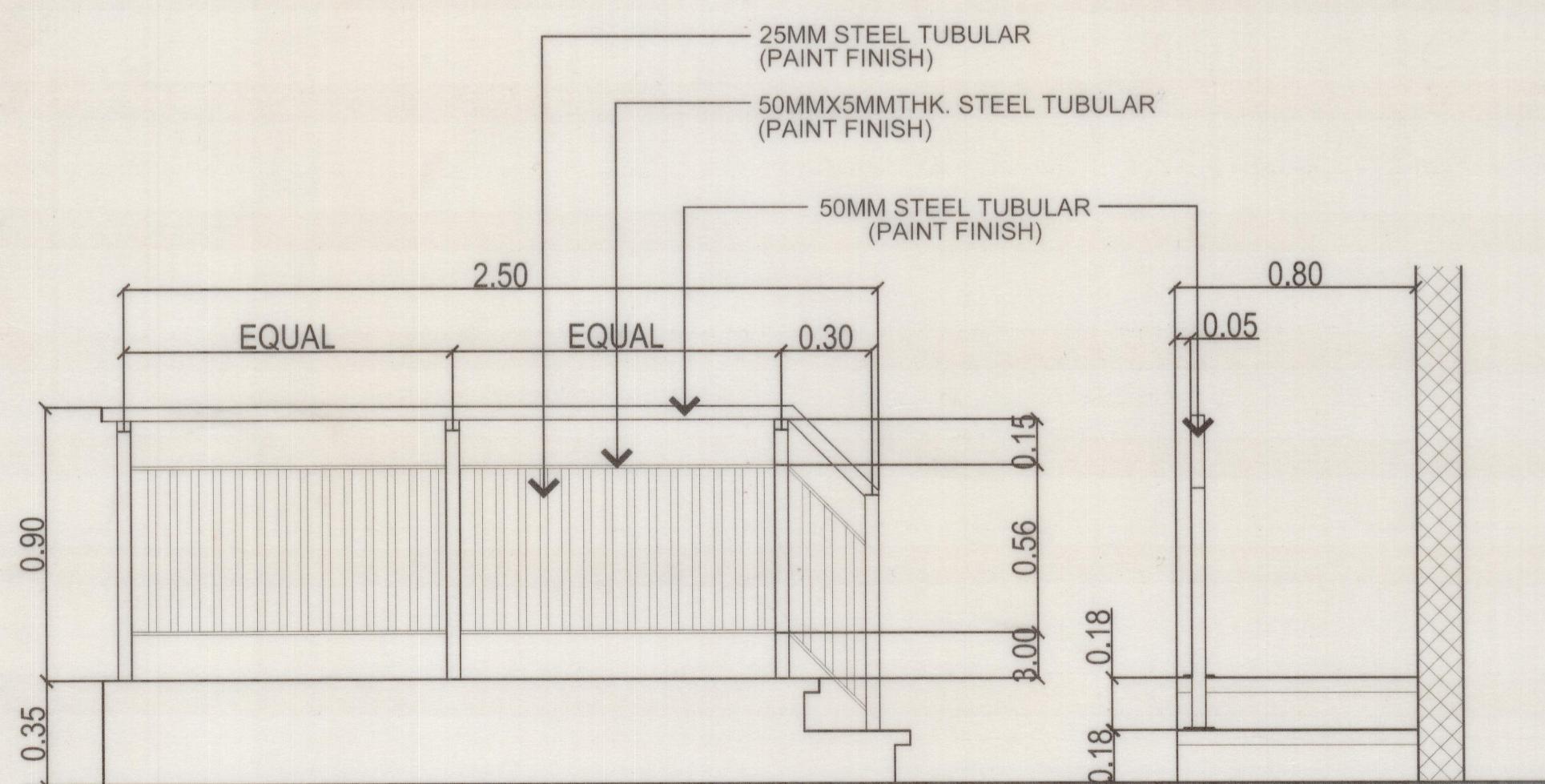
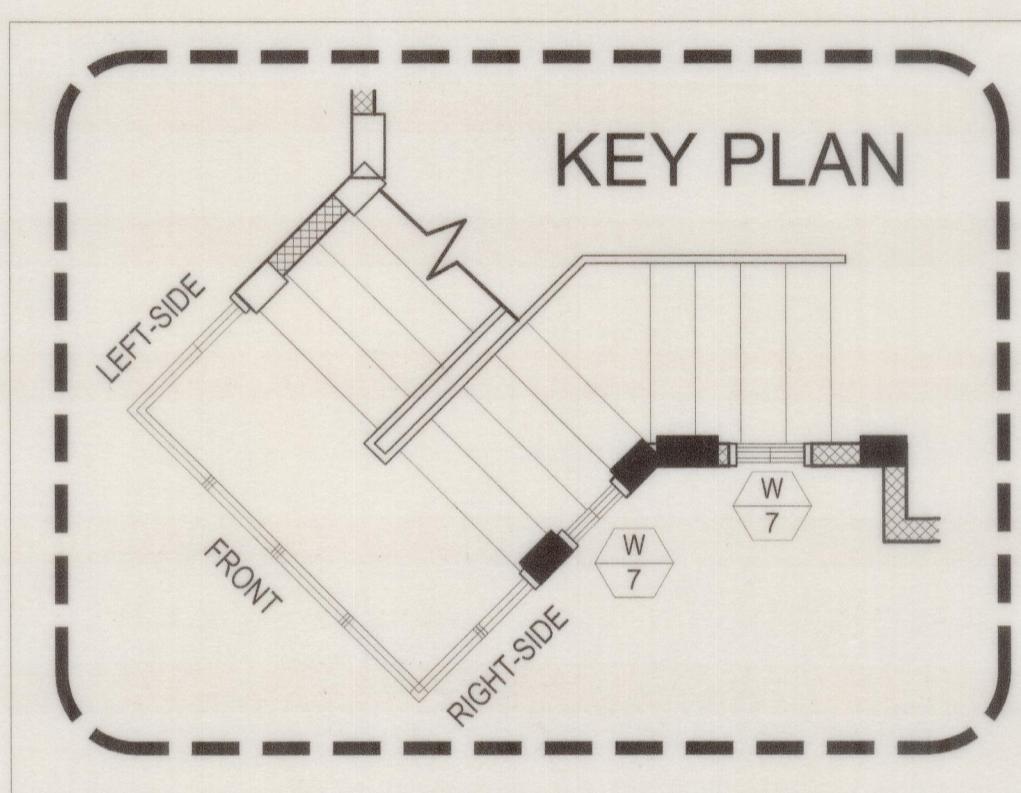
100 X100MM TUBULAR STEEL
1/2 INCH THICK (GREEN SHADED)
TEMPERED GLASS W/ TUBULAR HAND RAIL
AND STEEL FRAMING.

CONCRETE
COLUMN W/ MOULDING

TRELLIS

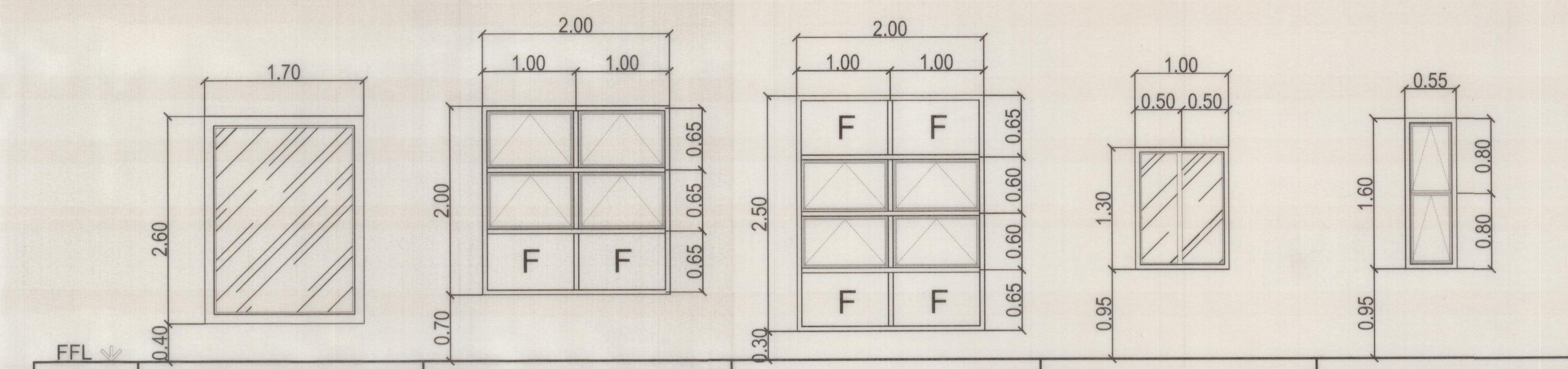


FFL	
MARK:	 
TYPE:	FIXED GLASS WINDOW W/ 12MM THK. CLEAR GLASS GREEN SHADED (ANODIZED)IN ALUMINUM FRAME
JAMB:	
LOCATION:	MASTER'S BEDROOM
UNIT:	1

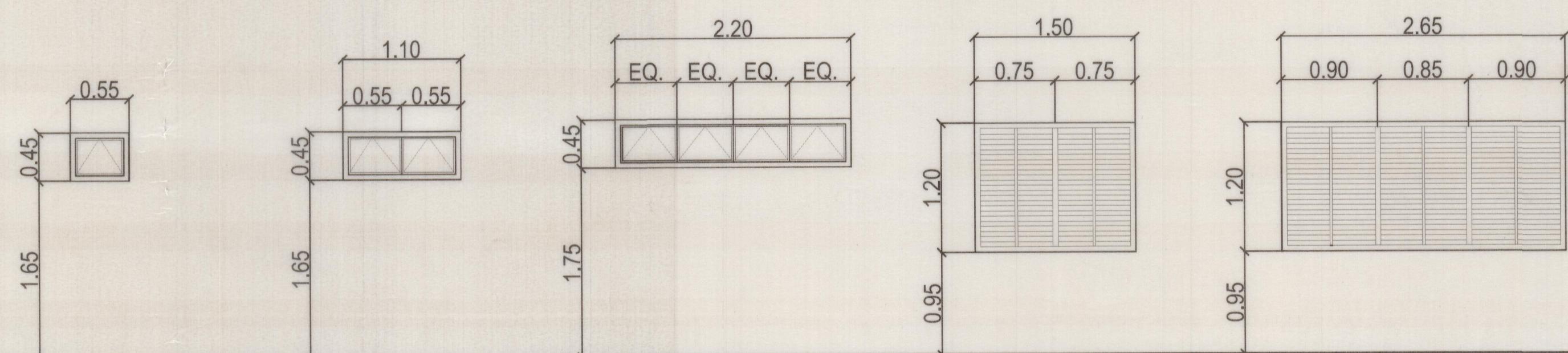


RAILING DETAIL

1:20MTS.



MARK:	W 3	W 4	W 5	W 6	W 7
TYPE:	FIXED GLASS WINDOW W/ 12MM THK. CLEAR GLASS GREEN SHADED (ANODIZED)IN ALUMINUM FRAME	GLASS AWNING WINDOW W/ 10MM THK. CLEAR GLASS GREEN SHADED (ANODIZED)IN ALUMINUM FRAME	GLASS AWNING WINDOW W/ 10MM THK. CLEAR GLASS GREEN SHADED (ANODIZED)IN ALUMINUM FRAME	GLASS SLIDING WINDOW W/ 10MM THK. CLEAR GLASS GREEN SHADED (ANODIZED)IN ALUMINUM FRAME	GLASS DOUBLE AWNING WINDOW W/ 10MM THK. CLEAR GLASS GREEN SHADED (ANODIZED)IN ALUMINUM FRAME
JAMB:					
LOCATION:	MASTER'S BEDROOM	MASTER'S BEDROOM	DINING ROOM	LIVING AREA, GUEST ROOM, BED ROOM 1	STAIRCASE, WALK-IN CLOSET, MASTER'S BED RM., DINING AREA
UNIT:	1	1	1	6	9



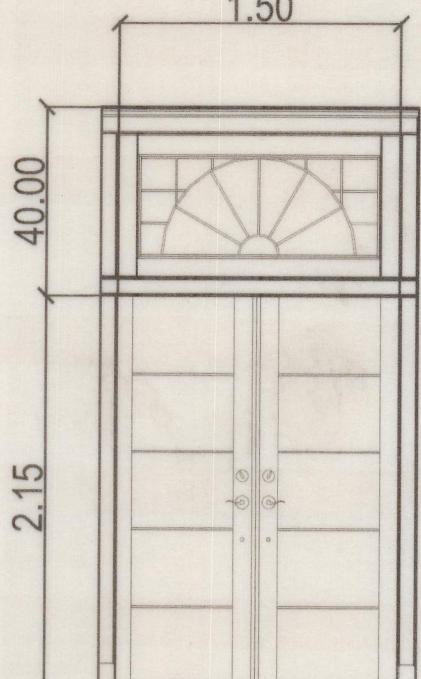
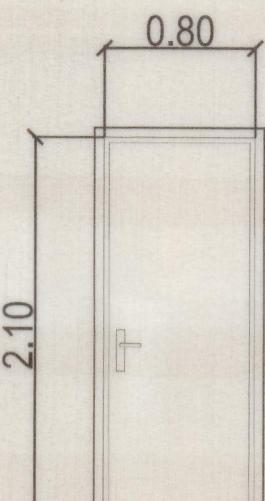
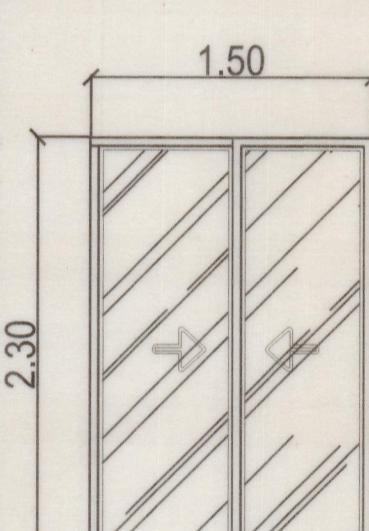
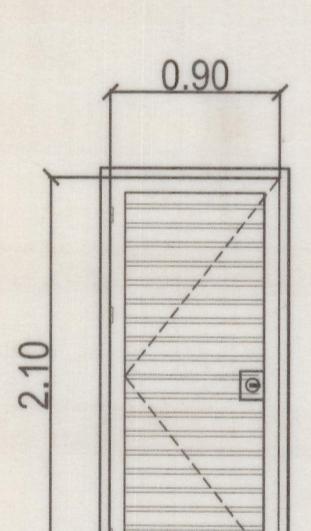
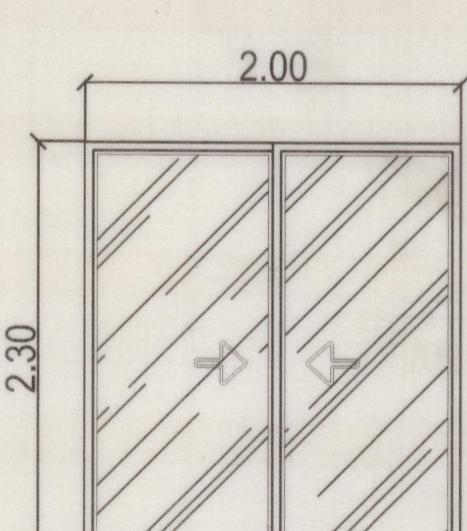
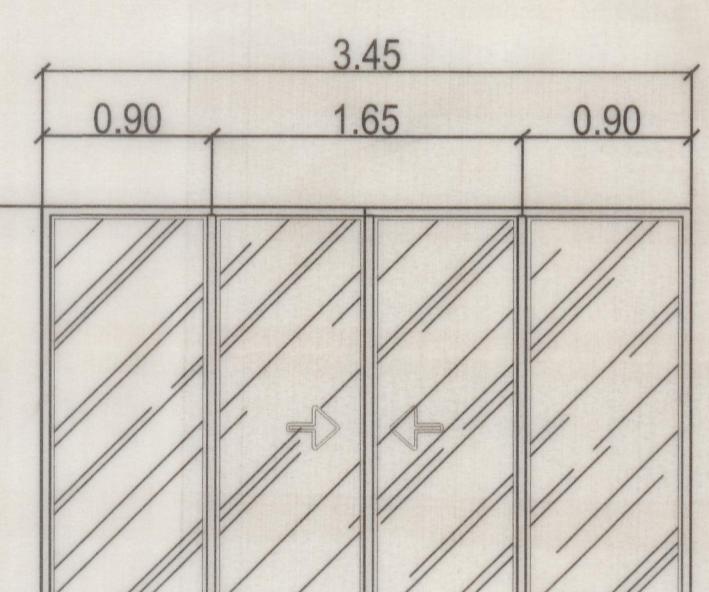
MARK:	W 8	W 9	W 10	W 11	W 12
TYPE:	GLASS AWNING WINDOW W/ 10MM THK. CLEAR GLASS GREEN SHADED (ANODIZED)IN ALUMINUM FRAME	GLASS AWNING WINDOW W/ 10MM THK. CLEAR GLASS GREEN SHADED (ANODIZED)IN ALUMINUM FRAME	GLASS AWNING WINDOW W/ 10MM THK. CLEAR GLASS GREEN SHADED (ANODIZED)IN ALUMINUM FRAME	INDUSTRIAL STEEL LOUVER WINDOW PAINTED WITH EPOXY PRIMER & EPOXY LACQUER PAINT FINISH	INDUSTRIAL STEEL LOUVER WINDOW PAINTED WITH EPOXY PRIMER & EPOXY LACQUER PAINT FINISH
JAMB:					
LOCATION:	LIVING AREA, GUEST ROOM, BED ROOM 1	LIVING AREA, GUEST ROOM, BED ROOM 1	LIVING AREA, GUEST ROOM, BED ROOM 1	LAUNDRY AREA	DIRTY KITCHEN
UNIT:	4	7	1	1	1

SCHEDULE OF WINDOWS

1 SCHEDULE OF WINDOWS

A-7 SCALE: 1:40MTS.

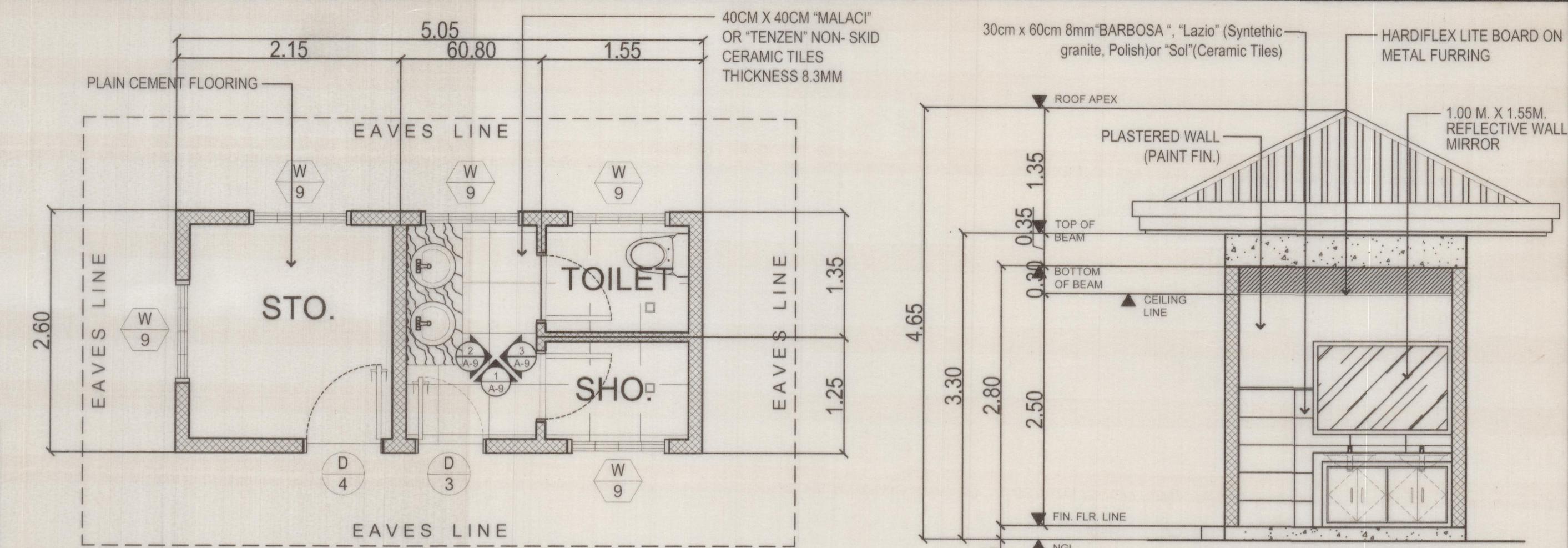
ARCHITECT	AR. DAHNIEL C. TING	PROJECT TITLE / LOCATION	OWNER	REVISIONS	REVISED BY	DATE	HEET NO.
				5	4	3	2
PTR NO. 0157786	PRC REG. NO. 37928	PROPOSED TWO STOREY RESIDENTIAL KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan	SHEET CONTENTS	A-07			
ISSUED ON 1/25/2018	TIN 321-580-614	SCHEDULE OF WINDOWS RAILING DETAIL					
ISSUED AT MALOLOS BULACAN		NOTE: THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS A PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT HIS CONSENT. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.				REPUBLIC ACT 545	
		DESIGNER	ES CADDOY	DCT	CHECKED BY	EEES	DATE APRIL 20

			
FFL ↓			
MARK:	D 1	D 2	D 3
TYPE:	DECORATIVE WOODEN PANEL DOOR W/ TRANSOM WINDOW	WOODEN PANEL DOOR	PVC HOLLOW CORE DOOR SET WITH LOUVER
JAMB:	2" x 6" WOOD (TANGUILE)	2" x 6" WOOD (TANGUILE)	2" x 6" WOOD (TANGUILE)
LOCATION:	MAIN ENTRANCE	GUEST ROOM, BEDROOM 1 MASTER'S BEDROOM	COMFORT ROOM, T&B
UNIT:	1	3	7
			
FFL ↓			
D 4			
TYPE:	WOODEN FLUSH DOOR		
LOCATION:	KITCHEN, STORAGE		
UNIT:	2		
			
D 5			
TYPE:	GLASS SLIDING DOOR W/ 10MM THK. CLEAR TEMPERED GLASS GREEN SHADED (ANODIZED) IN ALUMINUM FRAME		
LOCATION:	BED ROOM 1		
UNIT:	1		
			
D 6			
TYPE:	INDUSTRIAL STEEL LOUVERED UTILITY DOOR IN STEEL FRAME WITH STAINLESS STEEL LEVER LOCKSET		
LOCATION:	DIRTY KITCHEN		
UNIT:	1		
			
D 7			
TYPE:	GLASS SLIDING WINDOW W/ 10MM THK. CLEAR GLASS GREEN SHADED (ANODIZED) IN ALUMINUM FRAME		
LOCATION:	GUEST ROOM		
UNIT:	1		
			
D 8			
TYPE:	GLASS SLIDING WINDOW W/ 10MM THK. CLEAR GLASS GREEN SHADED (ANODIZED) IN ALUMINUM FRAME		
LOCATION:	LIVING AREA, VERANDA		
UNIT:	1		

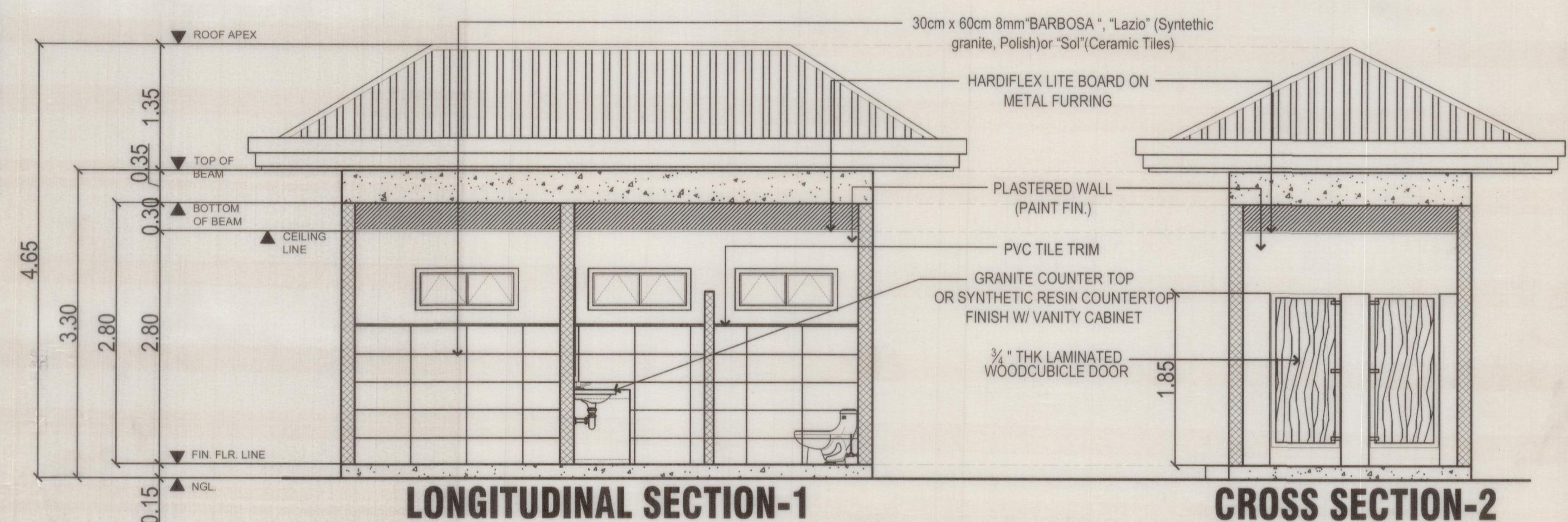
SCHEDULE OF DOORS

1 500
A-7 SCALE

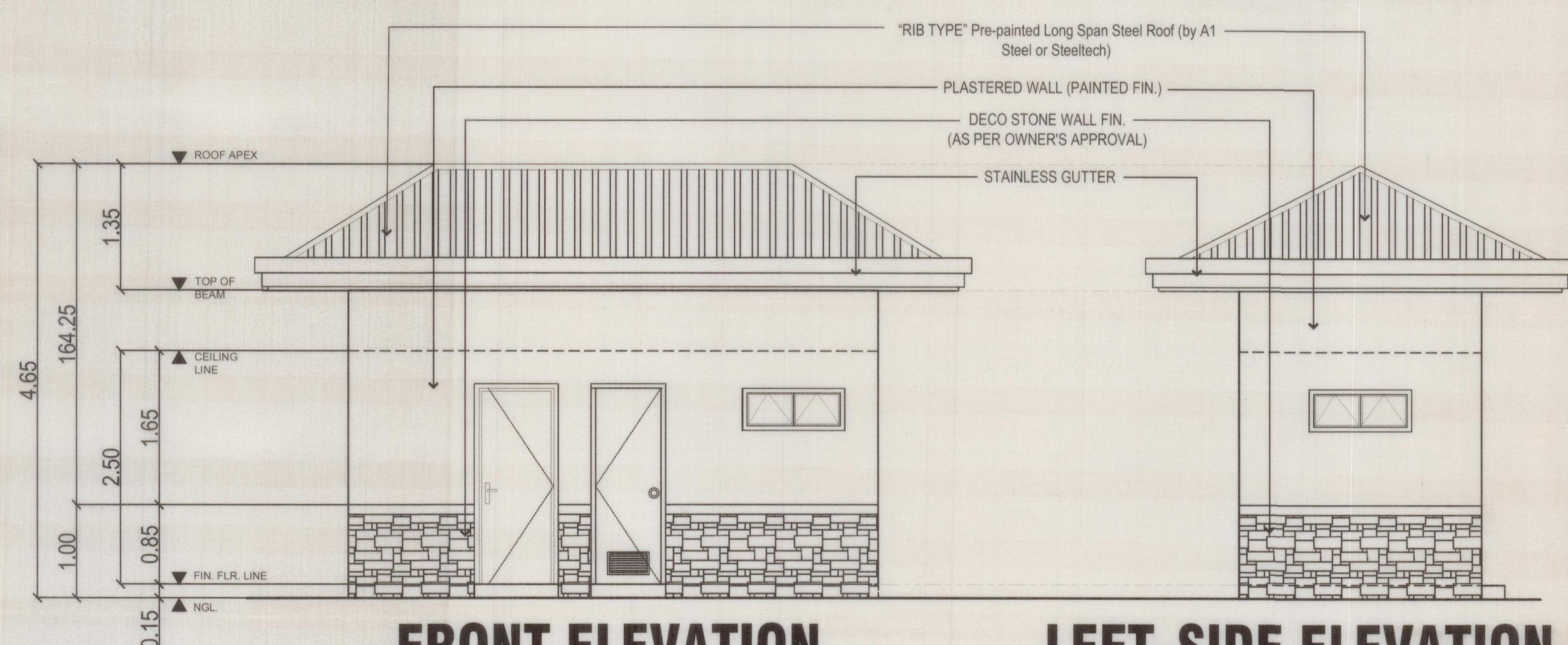
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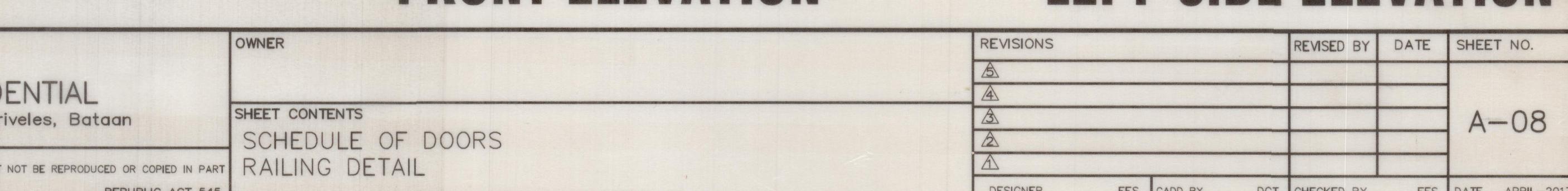
FLOOR PLAN (REAR PUB. BATH ROOM)



LONGITUDINAL SECTION-1

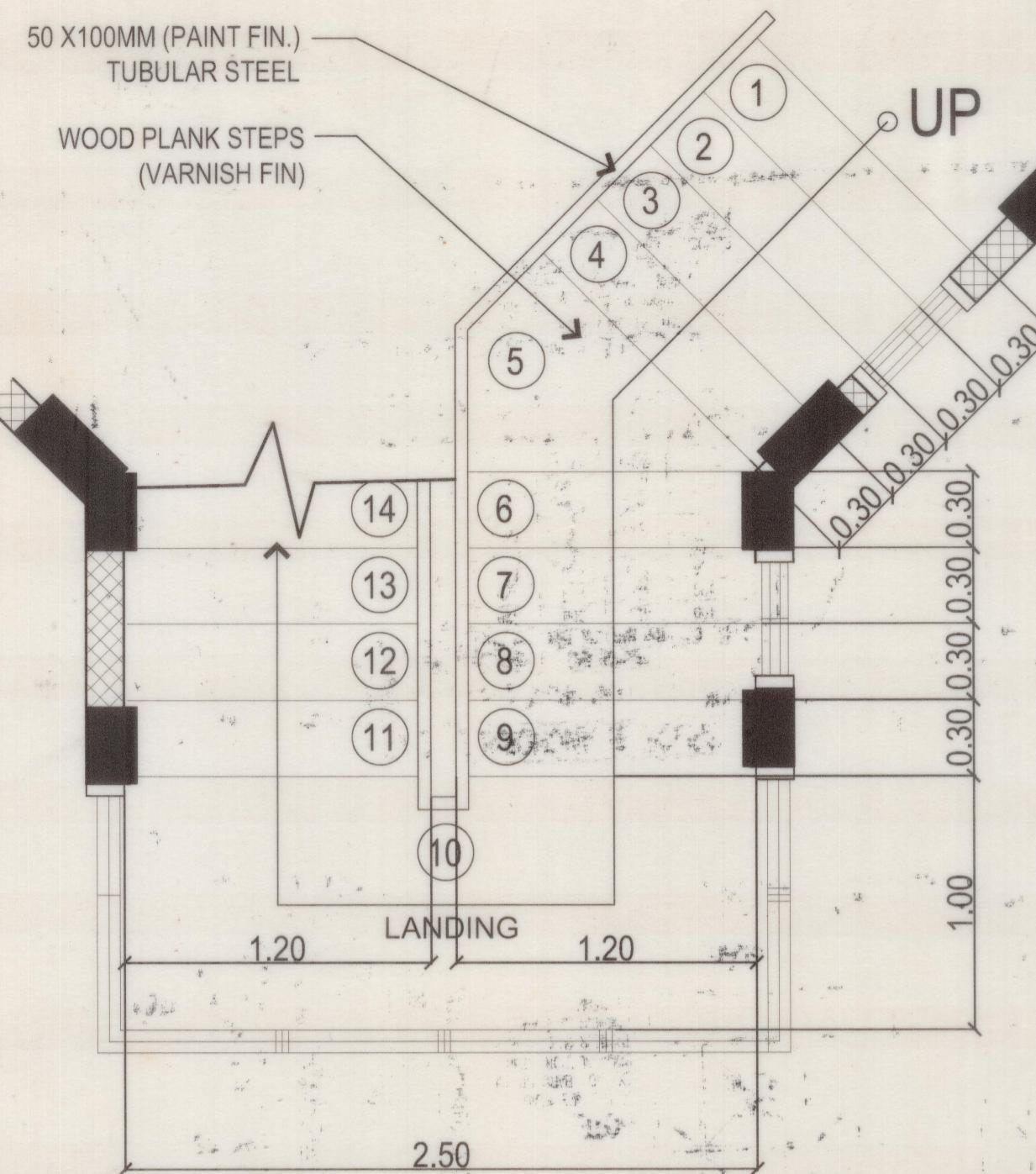


FRONT ELEVATION

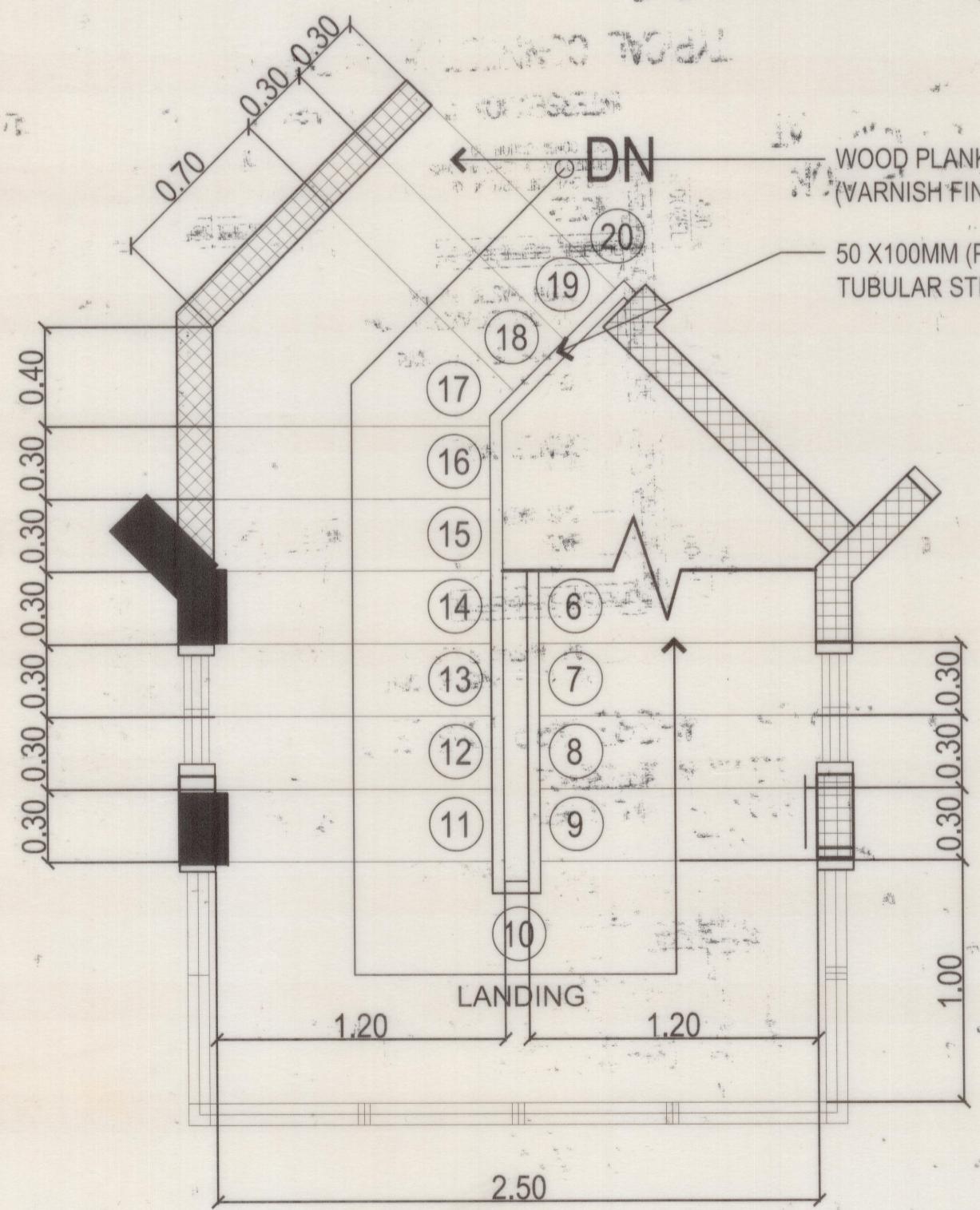


LEFT-SIDE ELEVATION

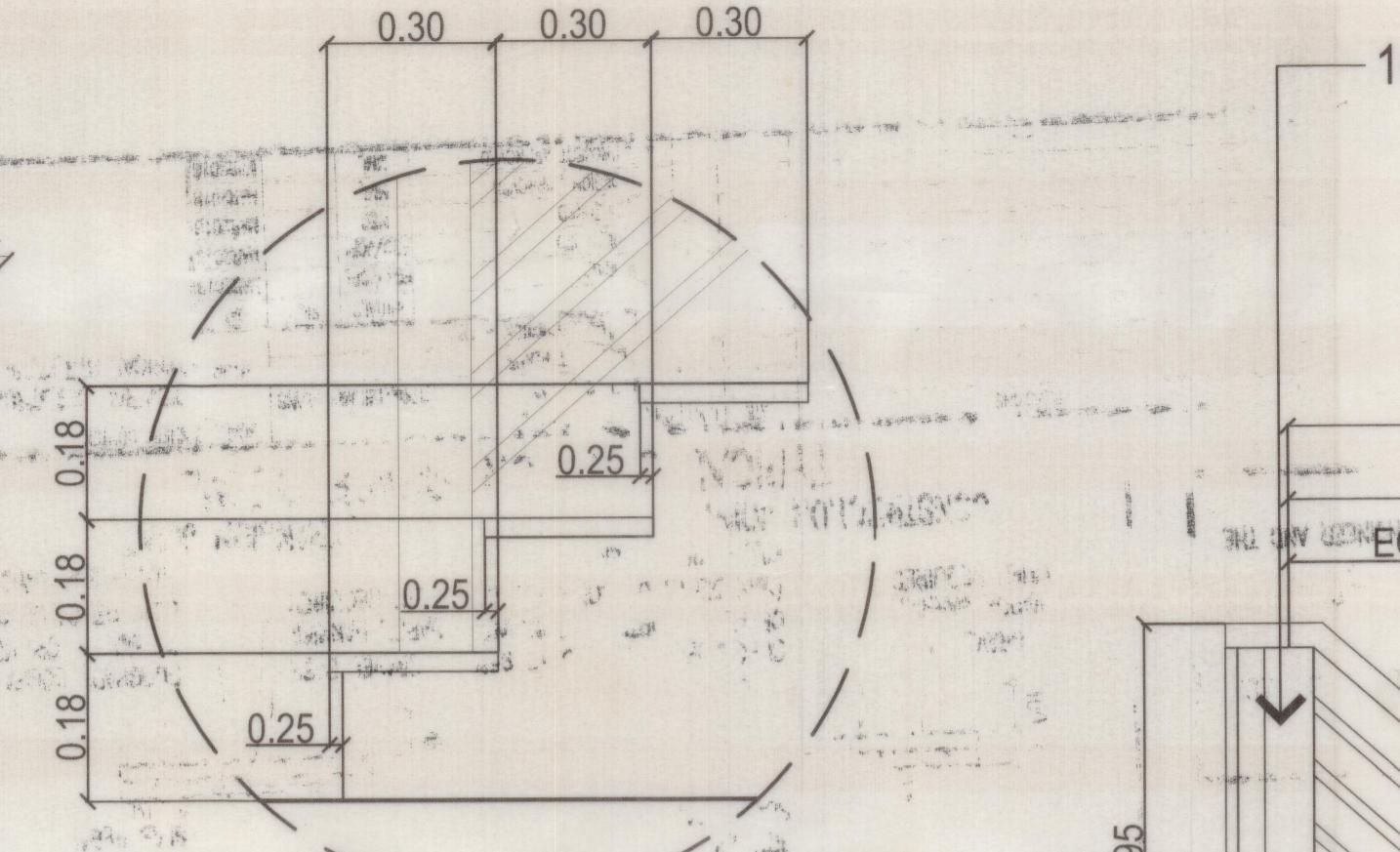
ARCHITECT		PROJECT TITLE / LOCATION		OWNER	
AR. DAHNIEL C. TING		PROPOSED TWO STOREY RESIDENTIAL KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan			
PTR NO. 0157786	PRC REG. NO. 37928			REVISIONS	REVIEWED BY DATE SHEET NO.
ISSUED ON 1/25/2018	TIN 321-580-614			5	
ISSUED AT MALOLOS BULACAN				4	
				3	
				2	
				1	
				SHEET CONTENTS	
				SCHEDULE OF DOORS	
				RAILING DETAIL	
				A-08	
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				DESIGNER EES CAD BY DCT CHECKED BY EES DATE APRIL 2018	
				REPUBLIC ACT 545	



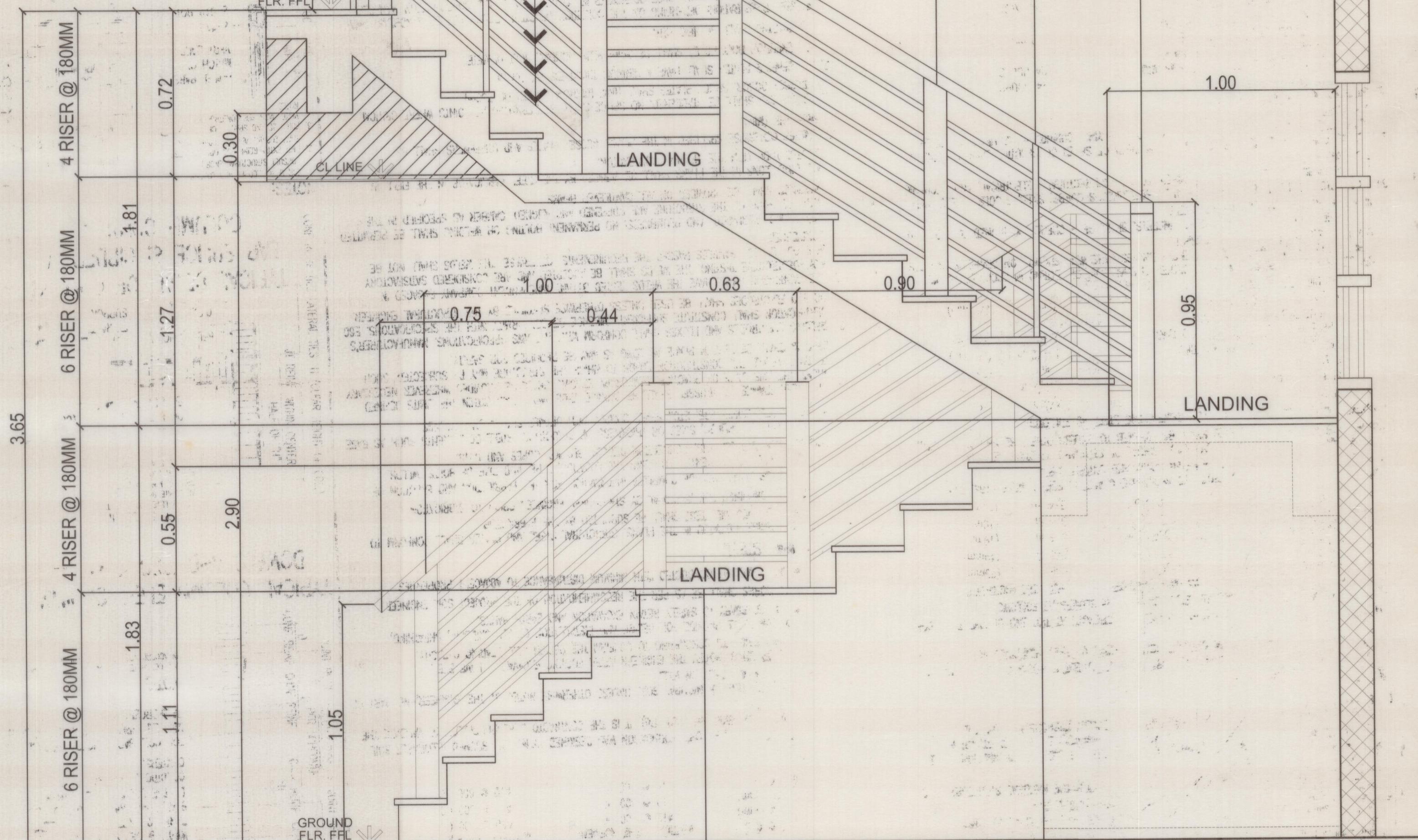
GRND FLR. STAIR BLOW-UP DETAIL



SECND FLR. STAIR BLOW-UP DETAIL



STAIR SPOT DET



STAIRCASE DETAIL

A-10 SCALE.

1:15MTS.

ARCHITECT		PROJECT TITLE / LOCATION		REVISIONS		OWNER	REVISED BY	DATE	SHEET NO.
AR. DAHNIEL C. TING		PROPOSED TWO STOREY RESIDENTIAL KHN Block 7 Lot 39, Camaya coast, Brgy. Biaan, Mariveles, Bataan		A5 A4 A3 A2 A1					
PTR NO. 0157786		PRC REG. NO. 37928		SHEET CONTENTS		STAIR SPOT DETAIL			
ISSUED ON 1/25/2018		TIN 321-580-614		STAIRCASE DETAIL		GRND FLR. STAIR BLOW-UP DET.			
ISSUED AT MALOLOS BULACAN				SECND FLR. STAIR BLOW-UP DET.		REPUBLIC ACT 545			
NOTE: THIS DRAWING, AS AN INSTRUMENT OF SERVICE, IS A PROPERTY OF THE ARCHITECT AND AS SUCH MUST NOT BE REPRODUCED OR COPIED IN PART OR IN WHOLE WITHOUT HIS CONSENT. ALL DRAWINGS ARE TO BE RETURNED WHEN NO LONGER IN USE.									