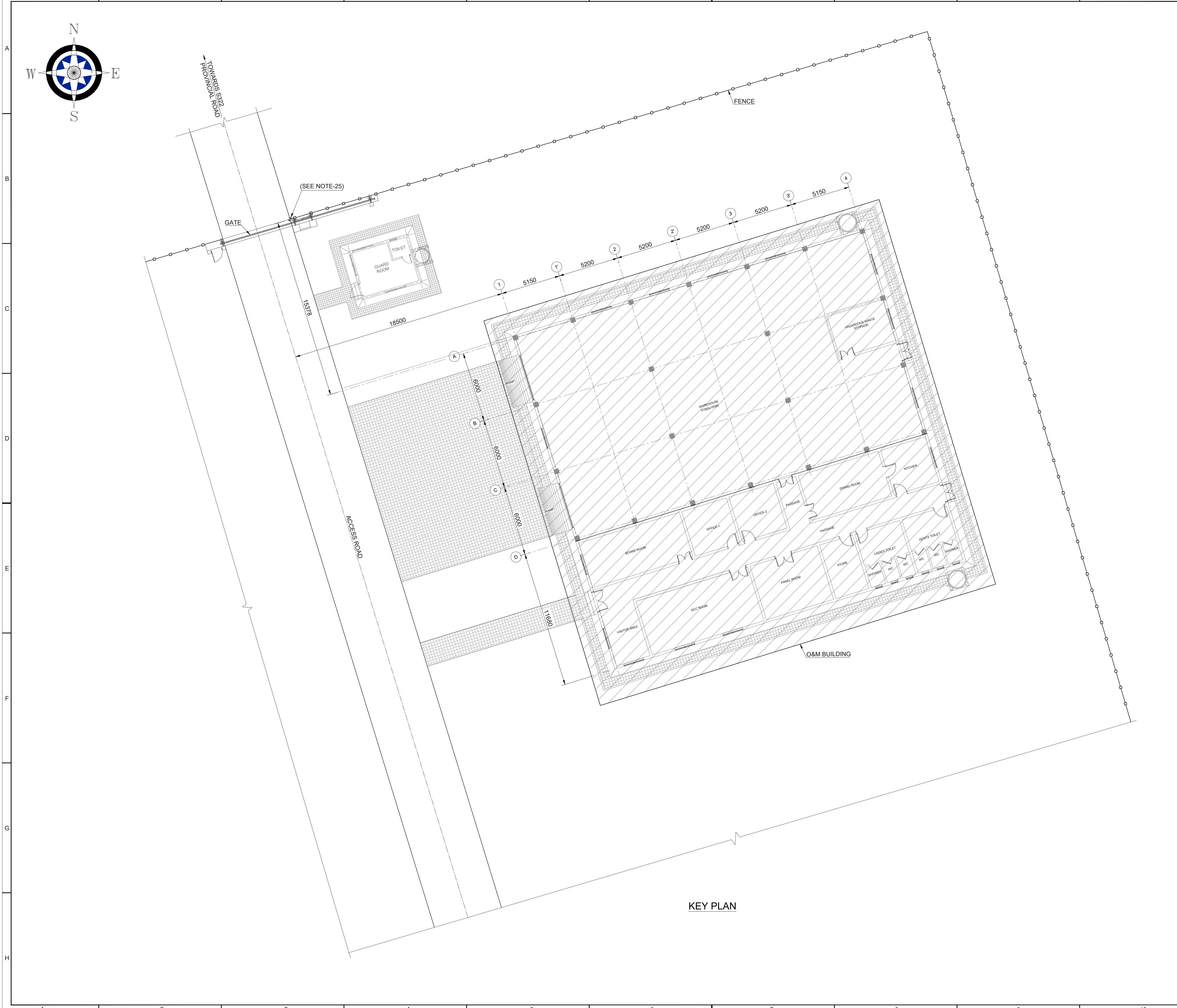


1	2	3	4	5	6	7	8	9	10	11	12	
A												A
B												B
C												C
D												D
E												E
F												F
G												G
H												H
1	2	3	4	5	6	7	8	9	10	11	12	

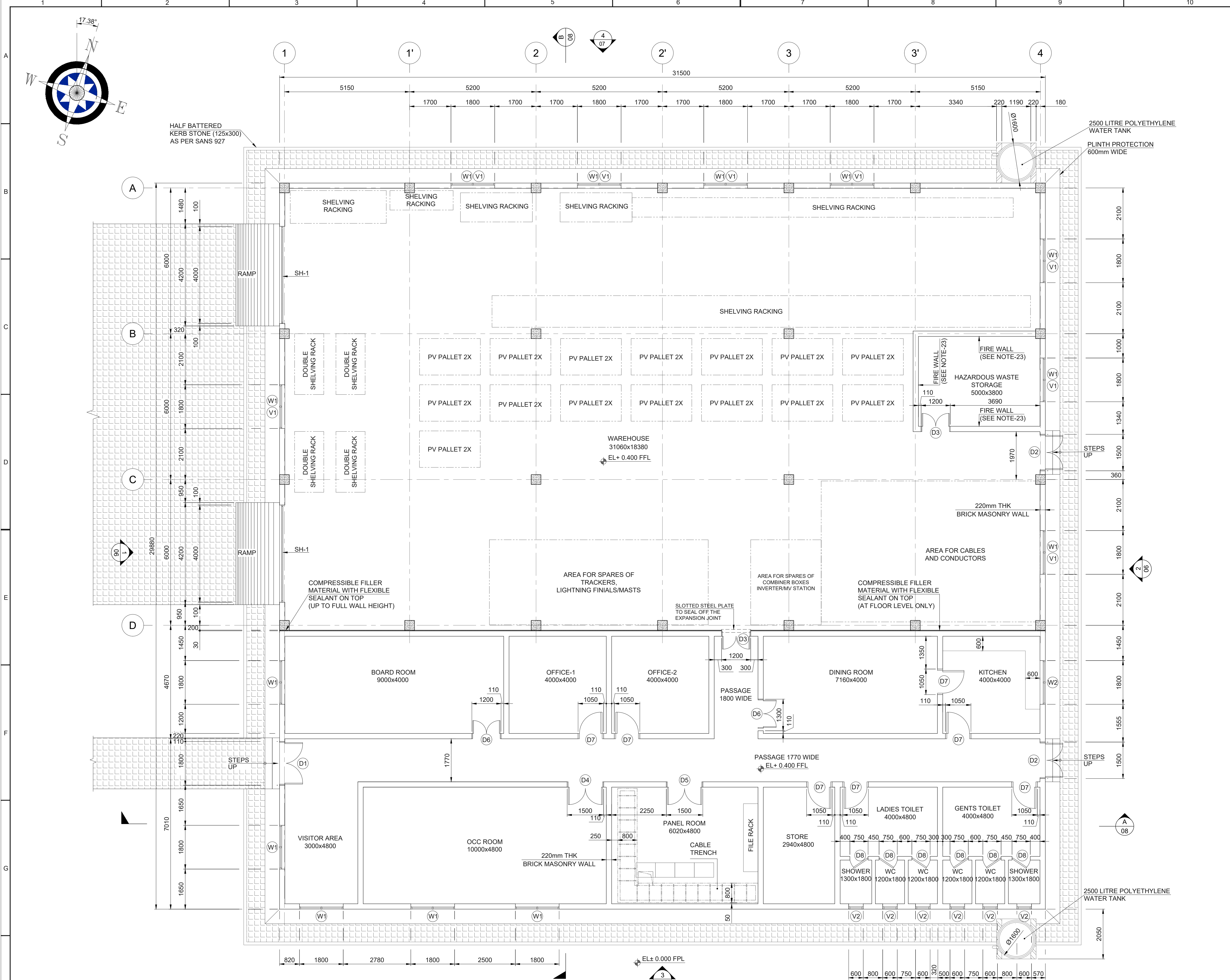
ARCHITECTURAL PLANS & DETAILS
FOR O&M BUILDING

00	I	28-Apr-26	RHK	UMS	ZEE	ZAK	FOR REVIEW & APPROVAL				
Rev.	Class	Date	Drwn.	Chkd.	Rvwd.	Aprd.	Description				
CLIENT			OWNER ENGINEER			EPC CONTRACTOR					
											
SIZE		PROJECT:									
A1		NOTSI 475MW SOLAR PHOTOVOLTAIC PROJECT									
SCALE		DRAWING TITLE:									
N.T.S		ARCHITECTURAL PLANS & DETAILS FOR O&M BUILDING (TITLE PAGE)									
SHEET NO.											
01/11											
PROFESSIONAL ENGINEER:			NAME			NUMBER					
			V.SIBOIBOI			202001487					
PROJECT	ISSUER	AREA	DISCIPLINE	TYPE	SEQUENCE	REV. NO.					
NSI	MNA	C4	EA	DWG	019	00					

A1(841x594mm)



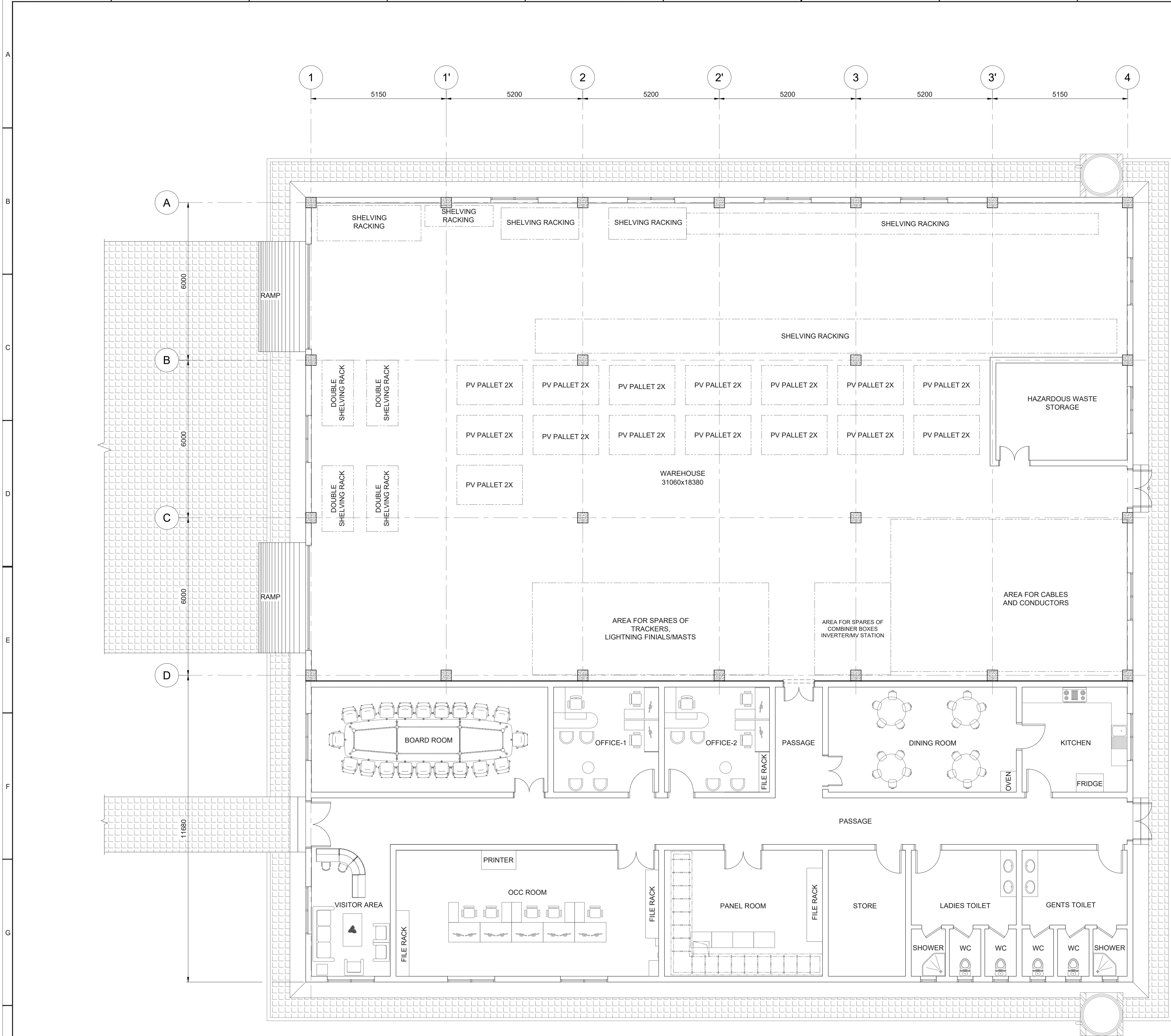
NOTES									
1.	ALL DIMENSIONS ARE IN MILLIMETER AND ELEVATIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.								
2.	ALL COORDINATE ARE IN METERS AND COORDINATES SYSTEM IS LO25 TRANSVERSE MERCATOR HARTEBEEEDTHOEK94.								
3.	ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE RELEVANT REFERENCE DRAWINGS. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF ENGINEER BEFORE COMMENCING WORKS.								
4.	ELEVATION MARKING REPRESENTS THE ELEVATION OF FINISHED COMPLETED BUILDING SURFACE.								
5.	FPL IS CONSIDERED AT 0.00 LEVEL FOR THE PURPOSE OF THIS DRAWING. HOWEVER ABSOLUTE VALUE OF FPL TO BE REFFERED FROM SUBSTATION CIVIL PLATFORM DRAWINGS DESIGNED BY OTHERS (ZUTARI).								
6.	AT THE JUNCTION OF THE DIFFERENT MATERIALS ON THE WALL, ANTI-CRACKING MESH (400mm WIDTH, MESH REF 193) SHOULD BE SET WHILE PLASTERING TO PREVENT CRACKING.								
7.	INTERIOR PLASTERING, THE CORNER OF THE WALL/ COLUMN/ DOOR & ETC SHALL BE DONE WITH 1:3 CEMENT SAND MORTAR MIX. PLASTERED CORNERS TO BE SLIGHTLY ROUNDED TO AVOID SHARPNESS.								
8.	FOR DRAINAGE REFER TO THE ROOF LAYOUT PLAN.								
9.	MARBLE SILL (300x30mm) TO BE SET UNDER THE EXTERNAL WALL WINDOW SILL WITH WATER DROP AT OUTER SIDE, AND THE FULL-LENGTH RCC LINTEL IS SET ABOVE ALL WALL WINDOWS AND DOORS.								
10.	RCC LINTEL SHALL BE INSTALLED ON TOP OF ALL THE OPENINGS IN THE WALL.								
11.	FINISHING WORK SHALL INCLUDE SURFACE PRE-CLEANING PREPARATION, APPLICATION OF THE FINISH POLISHING AND CLEANING AT THE END OF FINISHED WORKS.								
12.	ALL WALLS SHALL BE 220mm THICK BRICK MASONRY WALLS EXCEPT WASHROOM INTERNAL WALLS WHICH SHALL BE 110mm THICK BRICK MASONRY WALLS. ALL BRICK WALLS SHALL BE BEDDED IN CEMENT-SAND MORTAR MIX OF (1:4) AND LEFT FOR PLASTERING AND PAINTING.								
13.	FOR ALL EXTERIOR ENVELOPE WALLS FACE BRICKS SHALL BE USED.								
14.	BUILDING ROOF SHALL BE WOODEN TRUSS CONFIGURATION AND TO BE SUPPLIED BY VENDOR IN ACCORDANCE WITH SANS10400 PART L.								
15.	ALL WOOD WORKS SHALL BE TREATED FOR TERMITE PROTECTION.								
16.	ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE TO BEST QUALITY PRACTICES AND IN GENERAL SHOULD COMPLY WITH LOCAL STANDARDS SANS10400.								
17.	WHERE APPLICABLE AND INDICATED IN DRAWINGS CONCRETE SHALL BE MINIMUM C20.								
18.	THE INDICATED DIMENSION MAY SLIGHTLY VARY AS PER ACTUAL, OR AS NEEDED TO MEET MINIMUM ROOF INCLINATION ANGLE OF 6°.								
19.	THE INDICATED ROOF SHEET THICKNESS IS MINIMUM THICKNESS, HOWEVER AS PER ACTUAL THIS MAY INCREASE.								
20.	ALL EXTERNAL WALLS SHALL EXTEND TO FULL HEIGHT UPTO BOTTOM OF ROOF METALLIC PLATE TO ENSURE COMPLETE ENCLOSURE.								
21.	ALL INTERNAL WALLS SHALL EXTEND UPTO THE BOTTOM OF ROOF TRUSS BOTTOM CHORD.								
22.	PROVIDE 30mm MOVEMENT JOINT BETWEEN MASONRY WALL AND RC COLUMN. FILL JOINT WITH COMPRESSIBLE FILLER AND SEAL EXTERNALLY WITH FLEXIBLE SEALANT.								
23.	PROVIDE GALVANIZED/ STAINLESS STEEL PLATE TIES SPANNING THE JOINT. TIES SHALL HAVE A SLOTTED CONNECTION WITH WALL USING 40 mm LONG SLOTS AND BOLTS WITH WASHERS. PROVIDE TIES @ 450mm VERTICAL CENTRES. DO NOT OVERTIGHTEN BOLTS. DO NOT BRIDGE JOINT WITH MORTAR.								
24.	FIREWALL 220mm WALL TO BE TAKEN UP TO UNDERSIDE OF ROOF SHEETING.								
25.	FOR SETTING OUT OF THIS REFERENCE POINT REFER TO THE FENCE DRAWING.								
LEGENDS									
FFL : FINISHED FLOOR LEVEL		PAVED							
TOW : TOP OF WALL		COMPACTED FILL							
CL : FALSE CEILING LEVEL		BLINDING CONCRETE							
FPL : FINISHED PLATFORM LEVEL		BRICK MASONRY WALL SECTION							
TYP. : TYPICAL		BRICK MASONRY WALL ELEVATION							
PL : PLINTH LEVEL		SAND FILLING							
DPC : DAMP PROOF COURSE									
CONCRETE									
COMPACTED EARTH / PLATFORM LAYER									
REFERENCE DRAWINGS									
DRAWING TITLE					DRAWING NUMBER				
GENERAL LAYOUT OF PV AREA					NSI-MNA-00-ER-DWG-001				
ACCESS ROAD PLAN AND DETAILS					NSI-MNA-C1-EC-DWG-003				
INTERNAL ROAD PLAN AND DETAILS FOR PV AREA (BLOCKS 1 TO 48)					NSI-MNA-C1-EC-DWG-004				
INTERNAL ROAD PLAN AND DETAILS FOR PV AREA (BLOCKS 49 TO 79)					NSI-MNA-C1-EC-DWG-005				
FENCE & GATE LAYOUT FOR THE OVERALL PLANT					NSI-MNA-F1-EC-DWG-001				
FOUNDATION & STRUCTURAL PLAN & DETAILS FOR O&M BUILDING					NSI-MNA-C4-ES-DWG-020				
DRAINAGE LAYOUT AND DETAILS					NSI-MNA-C2-EC-DWG-008				
WATER SUPPLY LAYOUT FOR THE FACILITIES AREA					NSI-MNA-00-EC-DWG-002				
MECHANICAL SERVICES PLAN & DETAILS FOR O&M BUILDING					NSI-MNA-C4-EC-DWG-022				
O&M BUILDING AND WAREHOUSE EQUIPMENT LAYOUT					NSI-MNA-C4-EP-DLS-038				
CABLE ROUTING LAYOUT AND SECTION FOR O&M BUILDING					NSI-MNA-C4-EP-DLS-041				
EARTHING LAYOUT FOR O&M BUILDING AND WAREHOUSE					NSI-MNA-C4-EP-DLS-046				
LIGHTING AND POWER LAYOUT FOR O&M BUILDING					NSI-MNA-C4-EP-DLS-051				
LIGHTING AND SMALL POWER PANEL BOARD CIRCUIT SCH. FOR O&M BUILDING					NSI-MNA-C4-EP-SCH-056				



NOTES

1. FOR NOTES, LEGENDS & REFERENCE DRAWINGS REFER (NSI-MNA-C4-EA-DWG-019_SHEET- 02/11)

00	I	28-Apr-26	RHK	UMS	ZEE	ZAK	FOR REVIEW & APPROVAL
Rev.	Class	Date	Drwn.	Chkd.	Rvwd.	Aprd.	Description
CLIENT			OWNER ENGINEER			EPC CONTRACTOR	
Anthem			A-1			CNWE	
SIZE		PROJECT:					
A1		NOTSI 475MW SOLAR PHOTOVOLTAIC PROJECT					
SCALE		DRAWING TITLE:					
1:75		ARCHITECTURAL PLANS & DETAILS					
SHEET NO.		FOR O&M BUILDING					
03/11		(WORKING PLAN)					
PROFESSIONAL ENGINEER:			NAME		NUMBER		
			V.SIBOIBOI		202001487		
PROJECT	ISSUER	AREA	DISCIPLINE	TYPE	SEQUENCE	REV. NO.	
NSI	MNA	C4	EA	DWG	019	00	



FURNITURE LAYOUT PLAN

NOTES

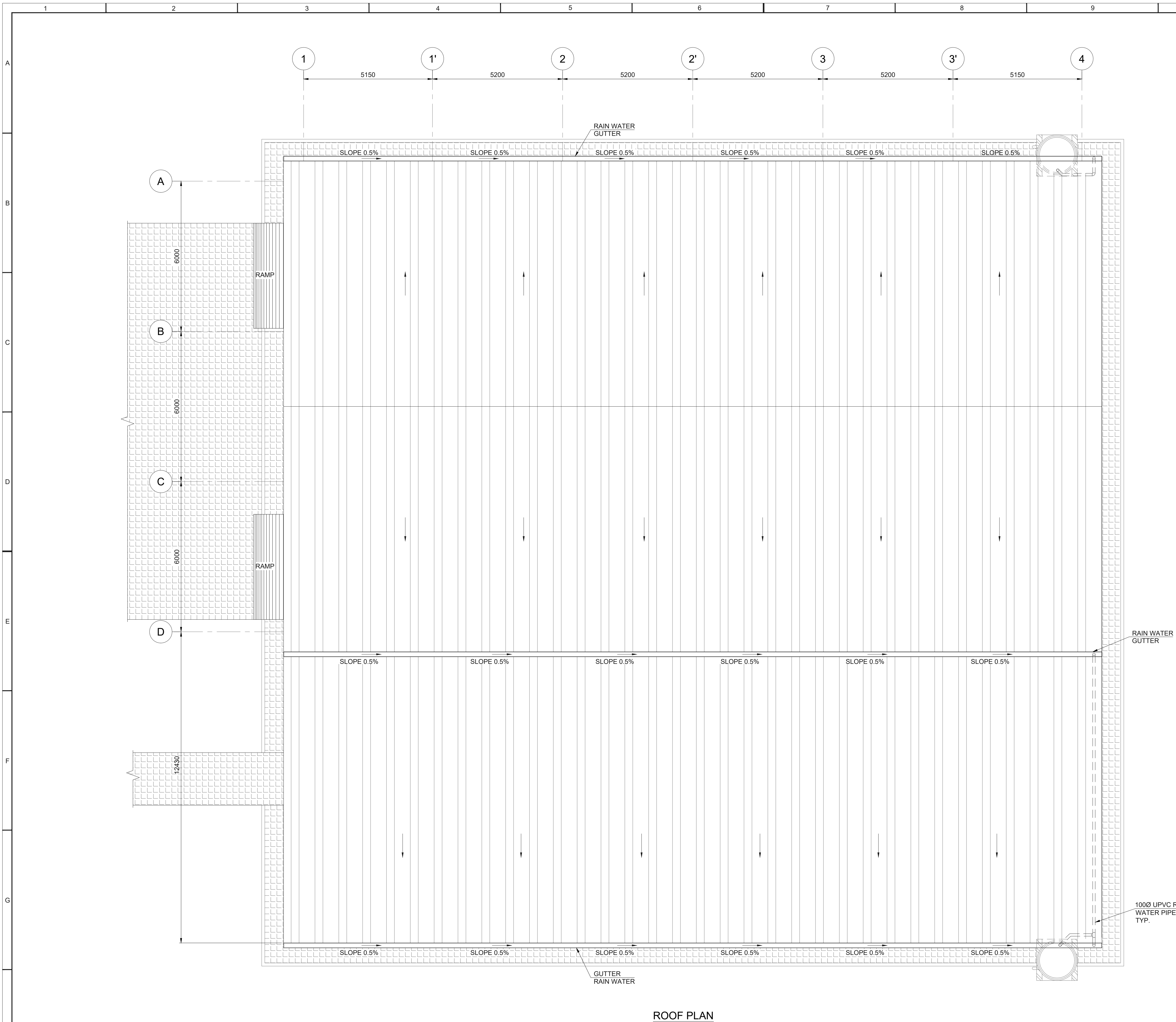
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Rev.	Class	Date	Drwn.	Chkd.	Rvwd.	Aprd.	Description				

CLIENT			OWNER ENGINEER			EPC CONTRACTOR		
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SIZE	PROJECT: NOTSI 475MW SOLAR PHOTOVOLTAIC PROJECT					
SCALE	DRAWING TITLE: ARCHITECTURAL PLANS & DETAILS FOR O&M BUILDING (FURNITURE LAYOUT PLAN)					
1:75						
SHEET NO.						
04/11						

PROFESSIONAL ENGINEER:		NAME V.SIBOIBOI			NUMBER 202001487	
PROJECT	ISSUER	AREA	DISCIPLINE	TYPE	SEQUENCE	REV. NO.
NSI	MNA	C4	EA	DWG	019	00



ROOF PLAN

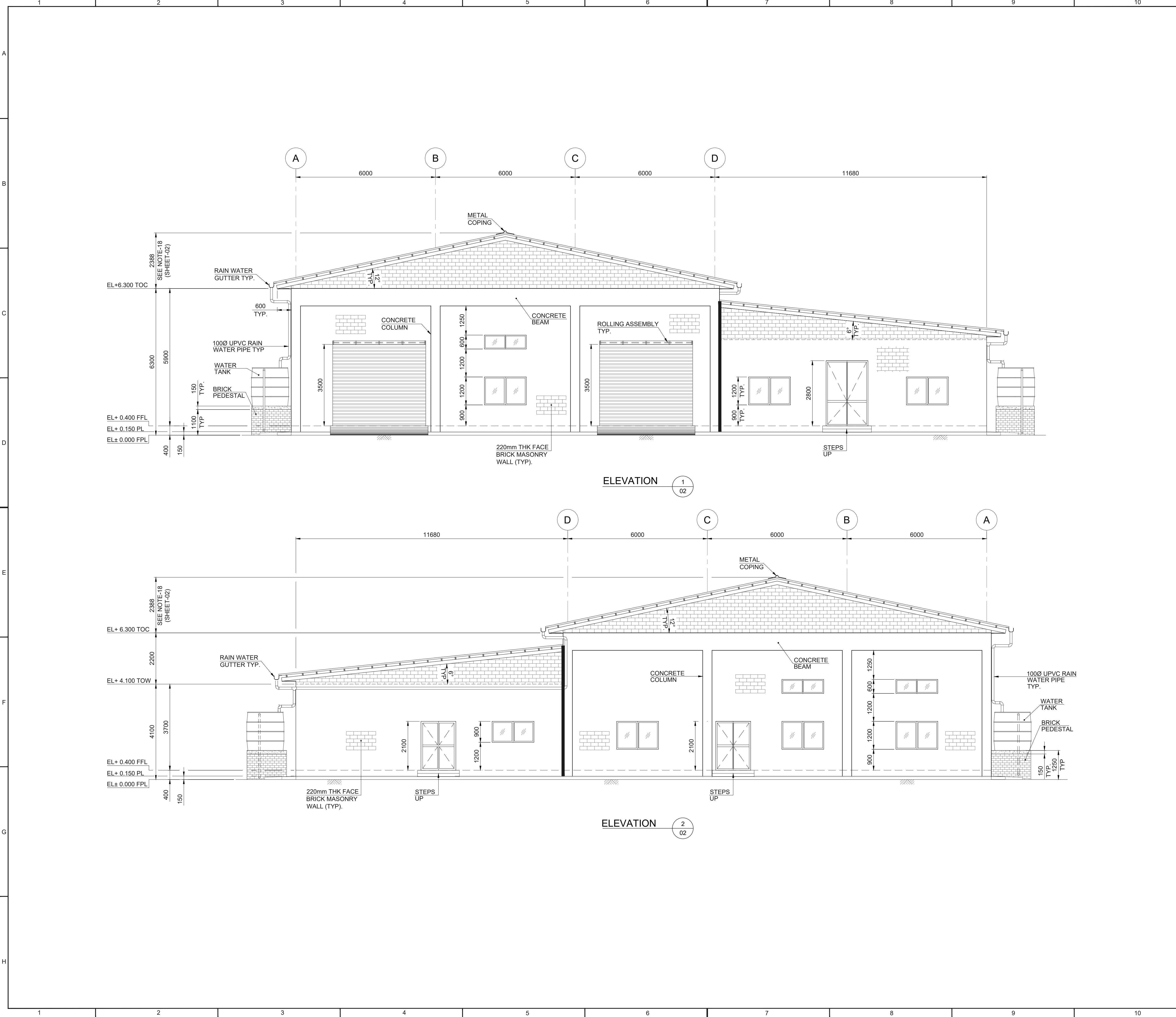
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Rev.	Class	Date	Drwn.	Chkd.	Rwrd.	Aprd.	Description	
CLIENT							OWNER ENGINEER	
							EPC CONTRACTOR	

 	 An ABL Group Company	 CNWE 中网电力有限公司 中国电力工程顾问集团西北电力设计股份有限公司
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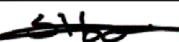
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A1	NOTSI 475MW SOLAR PHOTOVOLTAIC PROJECT
SCALE	DRAWING TITLE:
1:75	ARCHITECTURAL PLANS & DETAILS FOR O&M BUILDING (ROOF PLAN)
SHEET NO.	
05/11	

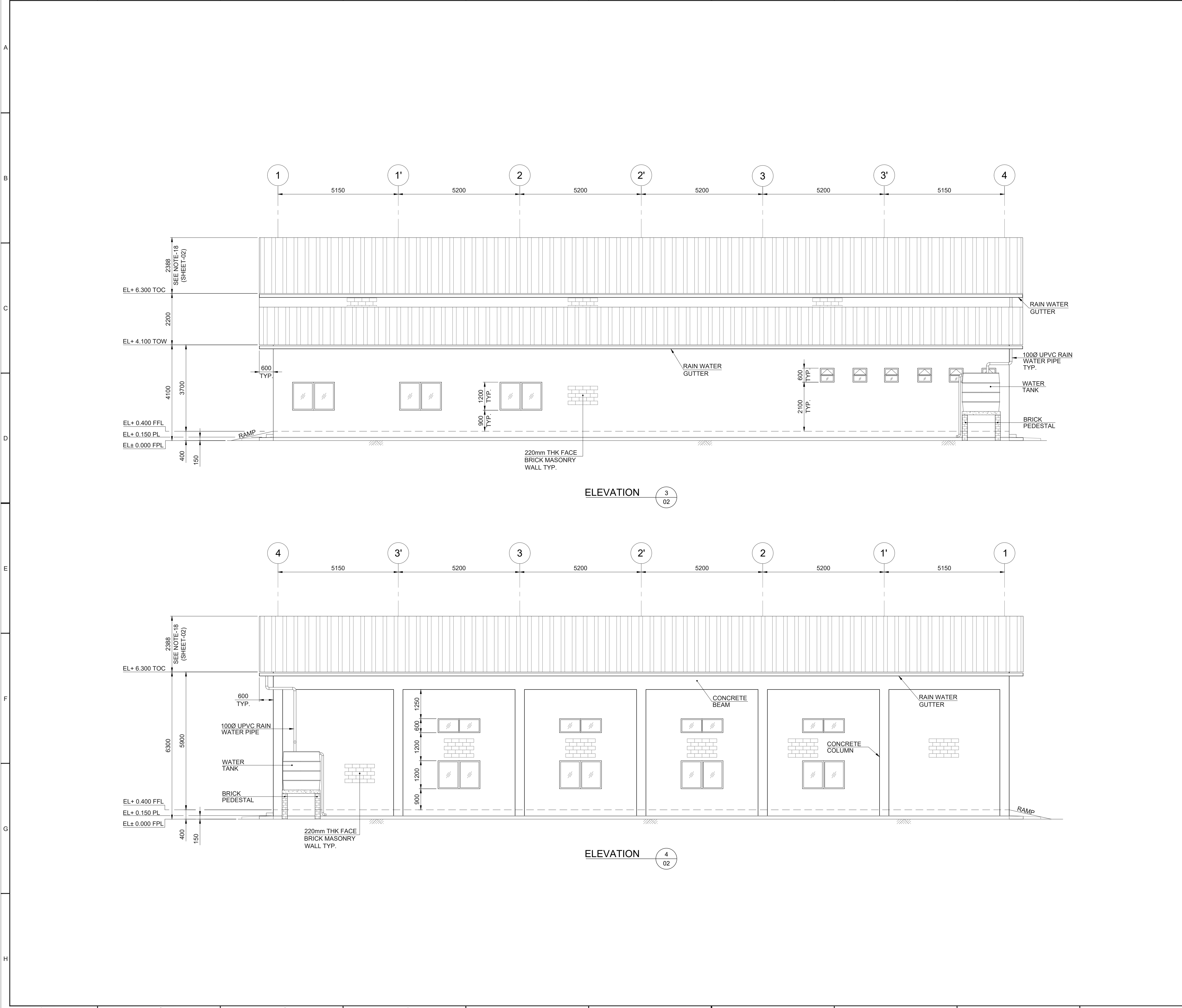
PROFESSIONAL ENGINEER:		NAME		NUMBER		
		V.SIBOIBOI 		202001487		
PROJECT	ISSUER	AREA	DISCIPLINE	TYPE	SEQUENCE	REV. NO.
NSI	MNA	C4	EA	DWG	019	00



NOTES

1. FOR NOTES, LEGENDS & REFERENCE DRAWINGS REFER (NSI-MNA-C4-EA-DWG-019_SHEET- 02/11)

00	I	28-Apr-26	RHK	UMS	ZEE	ZAK	FOR REVIEW & APPROVAL					
Rev.	Class	Date	Drwn.	Chkd.	Rvwd.	Aprd.	Description					
CLIENT			OWNER ENGINEER				EPC CONTRACTOR					
Anthem			 An ABL Group Company				 CHINA NUCLEAR WEAPONS ENGINEERING 中國電力工程顧問集團有限公司					
SIZE		PROJECT:										
A1		NOTSI 475MW SOLAR PHOTOVOLTAIC PROJECT										
SCALE		DRAWING TITLE:										
1:75		ARCHITECTURAL PLANS & DETAILS FOR O&M BUILDING (ELEVATIONS)										
SHEET NO.												
06/11												
PROFESSIONAL ENGINEER:			NAME				NUMBER					
			V.SIBOIBOI 				202001487					
PROJECT	ISSUER	AREA	DISCIPLINE			TYPE	SEQUENCE			REV. NO.		
NSI	MNA	C4	EA			DWG	019			00		



NOTES

1. FOR NOTES, LEGENDS & REFERENCE DRAWINGS REFER (NSI-MNA-C4-EA-DWG-019_SHEET- 02/11)

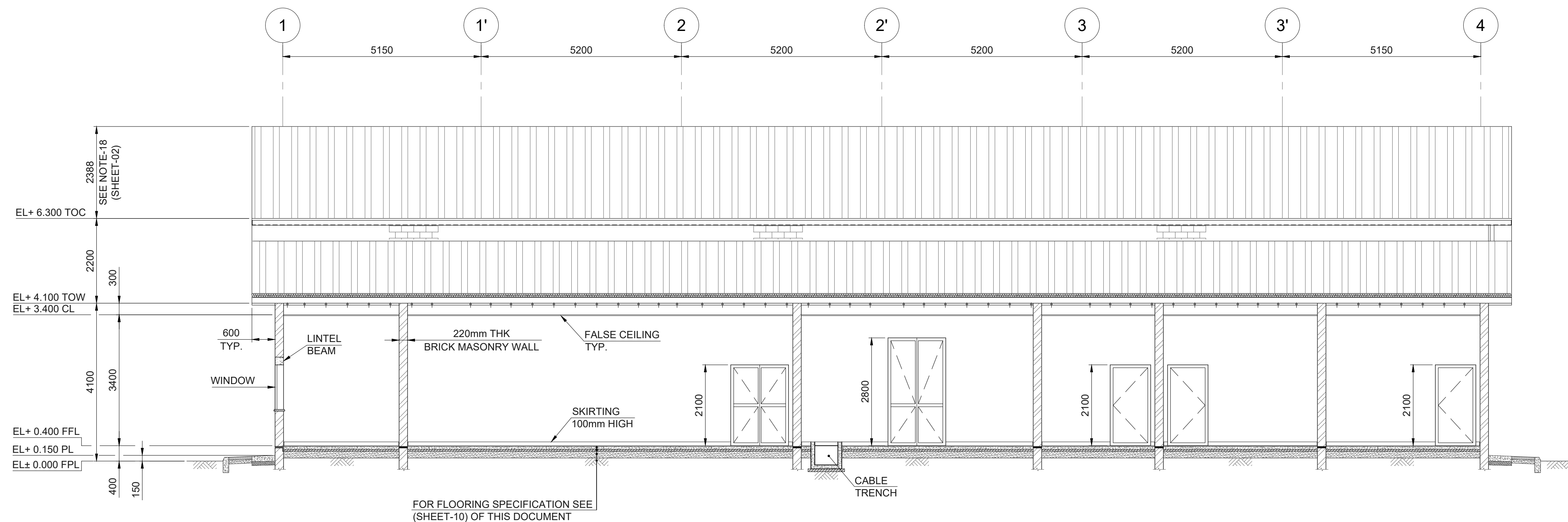
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Rev.	Class	Date	Drwn.	Chkd.	Rvwd.	Aprd.	Description

CLIENT		OWNER ENGINEER	EPC CONTRACTOR

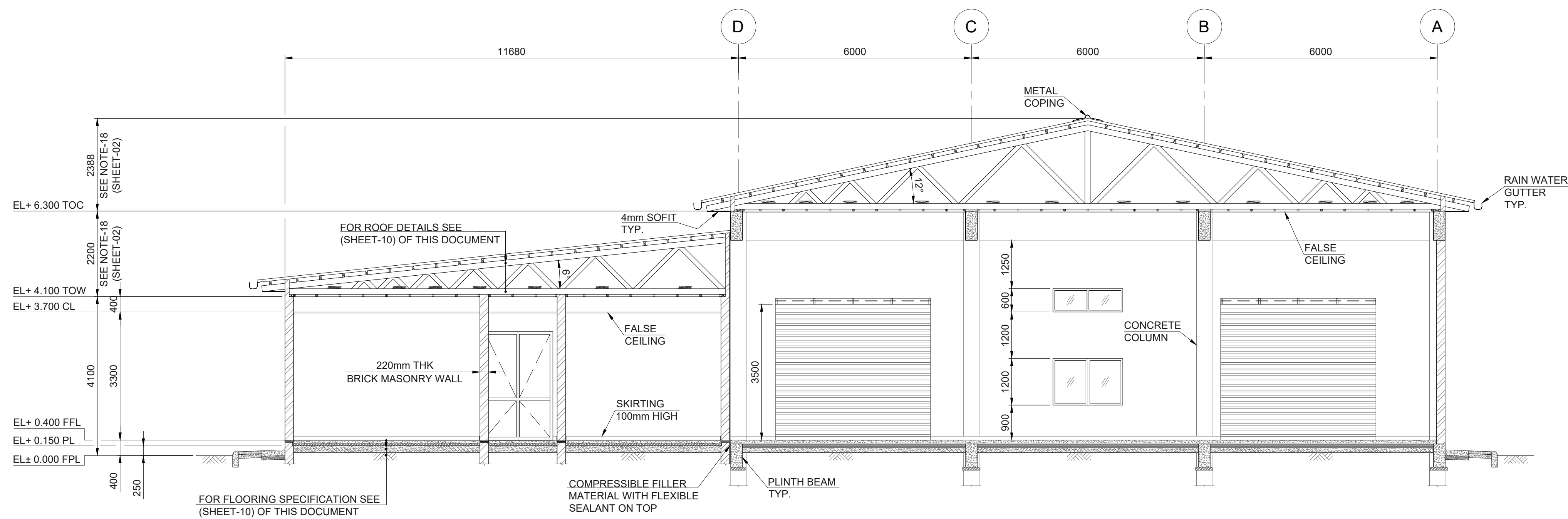
SIZE	PROJECT:					
A1	NOTSI 475MW SOLAR PHOTOVOLTAIC PROJECT					
SCALE	DRAWING TITLE:					
1:75	ARCHITECTURAL PLANS & DETAILS					
SHEET NO.	FOR O&M BUILDING					
07/11	(ELEVATIONS)					

PROFESSIONAL ENGINEER:		NAME		NUMBER	
		V.SIBOIBOI		202001487	

PROJECT	ISSUER	AREA	DISCIPLINE	TYPE	SEQUENCE	REV. NO.
NSI	MNA	C4	EA	DWG	019	00

SECTION

A
02



SECTION B
02

NOTES

1. FOR NOTES, LEGENDS & REFERENCE DRAWINGS REFER
(NSI-MNA-C4-EA-DWG-019_SHEET- 02/11)

[illegible]



NOTES

1. FOR NOTES, LEGENDS & REFERENCE DRAWINGS REFER
(NSI-MNA-C4-EA-DWG-019_SHEET- 02/11)

00	I	28-Apr-26	RHK	UMS	ZEE	ZAK	FOR REVIEW & APPROVAL
Rev.	Class	Date	Dwn.	Chkd.	Rwvd.	Aprd.	Description

CLIENT	OWNER ENGINEER	EPC CONTRACTOR
		

SIZE		PROJECT:						
A1		NOTSI 475MW SOLAR PHOTOVOLTAIC PROJECT						
SCALE		DRAWING TITLE:						
1:30		ARCHITECTURAL PLANS & DETAILS FOR O&M BUILDING (TYPICAL DETAILS)						
SHEET NO.								
09/11								
PROFESSIONAL ENGINEER:			NAME			NUMBER		
			V.SIBOIBOI 			202001487		
PROJECT	ISSUER	AREA	DISCIPLINE	TYPE	SEQUENCE	REV. NO.		
NSI	MNA	C4	EA	DWG	019	00		

1	2	3	4	5	6	7	8	9	10	11	12
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NOTES	
1.	FOR NOTES, LEGENDS & REFERENCE DRAWINGS REFER (NSI-MNA-C4-EA-DWG-019_SHEET- 02/11)

DOORS SCHEDULE

		DOORS DIMENSIONS		
ITEM:	SH-1	(D1)	(D2)	
FRAME TYPE:	STEEL	STEEL	STEEL	
LOCATION:	ENTRANCE WAREHOUSE	MAIN ENTRANCE	PASSAGE WAREHOUSE (EMERGENCY EXIT) (EMERGENCY EXIT)	
NUMBER:	02	01	02	
PANEL:	STEEL ROLLING SHUTTER	FIRE RATED STEEL	FIRE RATED STEEL	
OPENING TYPE:	ROLL UP SINGLE WING	IN SIDE DOUBLE WING	OUT SIDE DOUBLE WING	
LOCK TYPE:	-	KEY AND HANDLE	OPENING ARRANGEMENT LATCH & BOLTS WITH PUSH BAR	
ITEM:	(D3)	(D4)	(D5)	
FRAME TYPE:	STEEL	STEEL	ALUMINUM	
LOCATION:	WAREHOUSE HAZARDOUS WASTE STORAGE	OCC ROOM	PANEL ROOM	
NUMBER:	02	01	01	
PANEL:	STEEL	FIRE RATED STEEL	ALUMINUM LAMINATED	
OPENING TYPE:	IN SIDE DOUBLE WING	IN SIDE DOUBLE WING	IN SIDE DOUBLE WING	
LOCK TYPE:	KEY AND HANDLE	KEY AND HANDLE	KEY AND HANDLE	
ITEM:	(D6)	(D7)	(D8)	
FRAME TYPE:	ALUMINUM	SOLID WOODEN FRAME	SOLID WOODEN FRAME	
LOCATION:	DINING ROOM BOARD ROOM	LADIES TOILETS GENTS TOILET STORE OFFICE-1 OFFICE-2 KITCHEN	WASH ROOM SHOWER	
NUMBER:	02	07	06	
PANEL:	ALUMINUM LAMINATED	VARNISHED WOODEN PANEL	VARNISHED WOODEN PANEL 150mm HIGH ALUMINUM KICK PLATE	
OPENING TYPE:	IN SIDE DOUBLE WING	IN SIDE DOUBLE WING	IN SIDE DOUBLE WING	
LOCK TYPE:	KEY AND HANDLE	KEY AND HANDLE	KEY AND HANDLE	

WINDOWS SCHEDULE

WINDOW & VENTILATION DIMENSIONS			
ITEM:	(W1)	(W2)	(V1)
FRAME TYPE:	ALUMINUM	ALUMINUM	ALUMINUM
LOCATION:	WAREHOUSE OCC ROOM VISITOR AREA KITCHEN BOARD ROOM HAZARDOUS WASTE STORAGE	KITCHEN	WAREHOUSE
NUMBER:	13	1	08
PANEL:	CLEAR GLASS 5mm	CLEAR GLASS 5mm	CLEAR GLASS 5mm
OPENING TYPE:	SINGLE WING SLIDING WITH LOCK & HANDLE	SINGLE WING SLIDING WITH LOCK & HANDLE	TO OUT SIDE LOWER HALF FIXED PANEL UPPER HALF SINGLE SWING PANEL
GRATING TYPE:	12mm@125 SQUARE ROD STEEL	12mm@125 SQUARE ROD STEEL	12mm@125 SQUARE ROD STEEL
MOSQUITO NET:	MOSQUITO NET	MOSQUITO NET	MOSQUITO NET
ITEM:	(V2)		
FRAME TYPE:	ALUMINUM		
LOCATION:	WC SHOWER		
NUMBER:	06		
PANEL:	CLEAR GLASS 5mm		
OPENING TYPE:	TO OUT SIDE LOWER HALF FIXED PANEL UPPER HALF SINGLE SWING PANEL		
GRATING TYPE:	12mm@125 SQUARE ROD STEEL		
MOSQUITO NET:	MOSQUITO NET		

STEEL GRILL FOR WINDOW

[illegible]