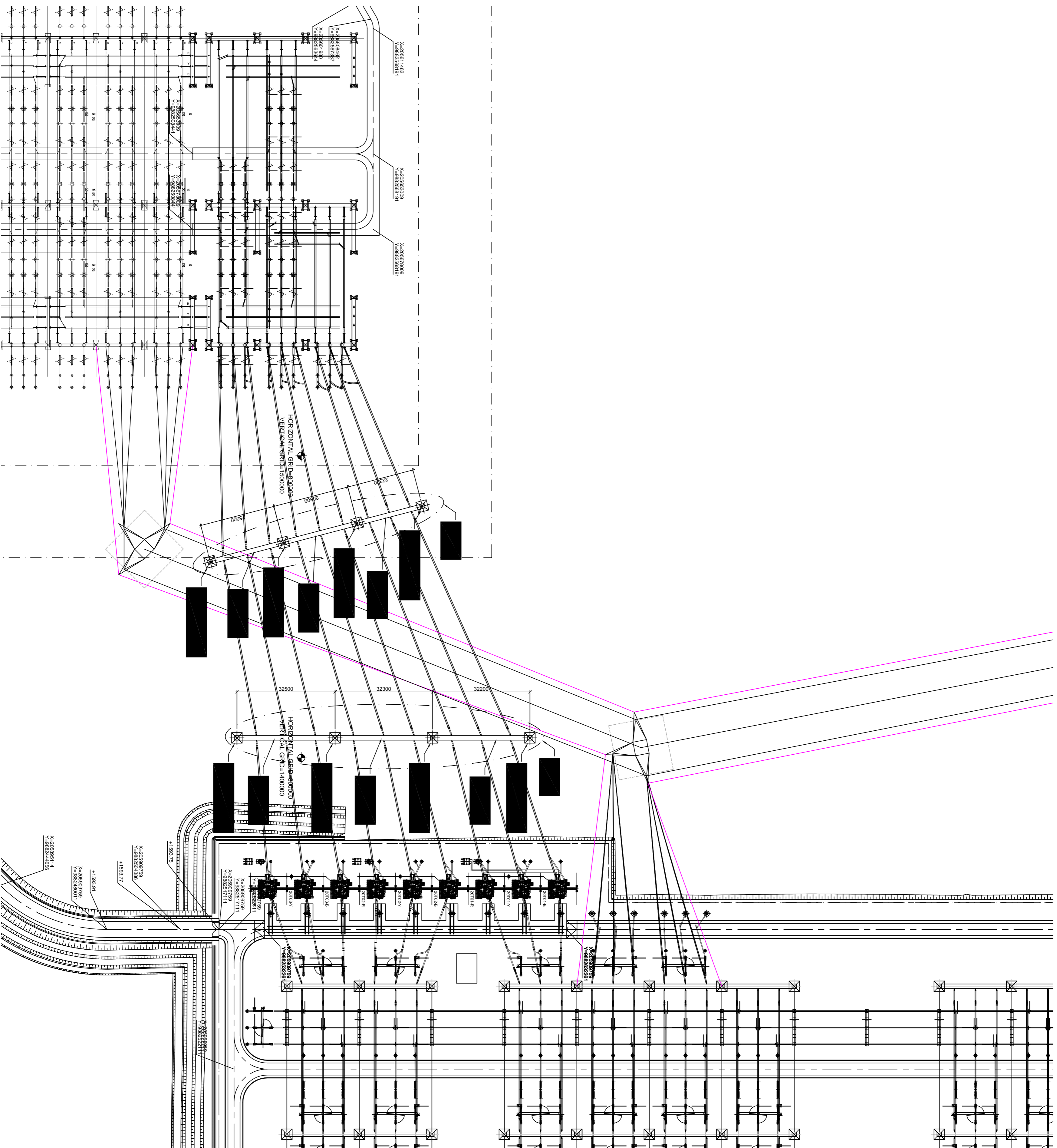
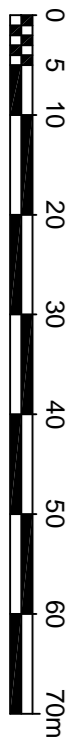


DESTINATION CONTROL STATEMENT
These items are controlled by the U.S. Government (when labeled with "ECGN" unequal to "N") and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Items labeled with "AL" unequal "N" are subject to European national export authorization. Items without label or with label "AL/N" or "ECGN/N" may require authorization from responsible authorities depending on the final end-user, or the destination.



GANTRIES LAYOUT.
SCALE: 1/750

SCALE 1:750



REFERENCE DRAWINGS

N-000063_E_C5_9808_S_BD
 N-000063_E_C5_9808_S_GAN_003
 N-000063_E_C5_9808_S_GAN_004

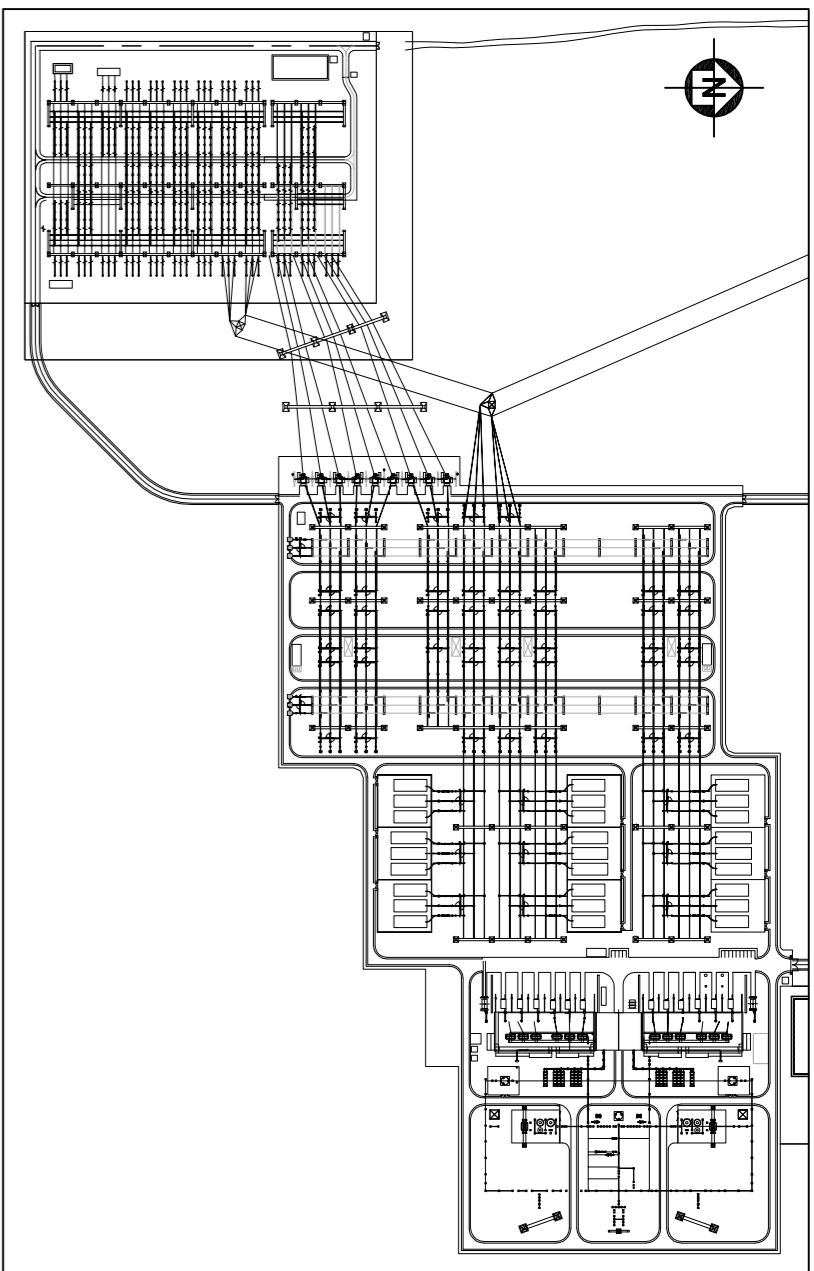
AC SWICHYARD - FOUNDATION PLAN VIEW

[illegible]

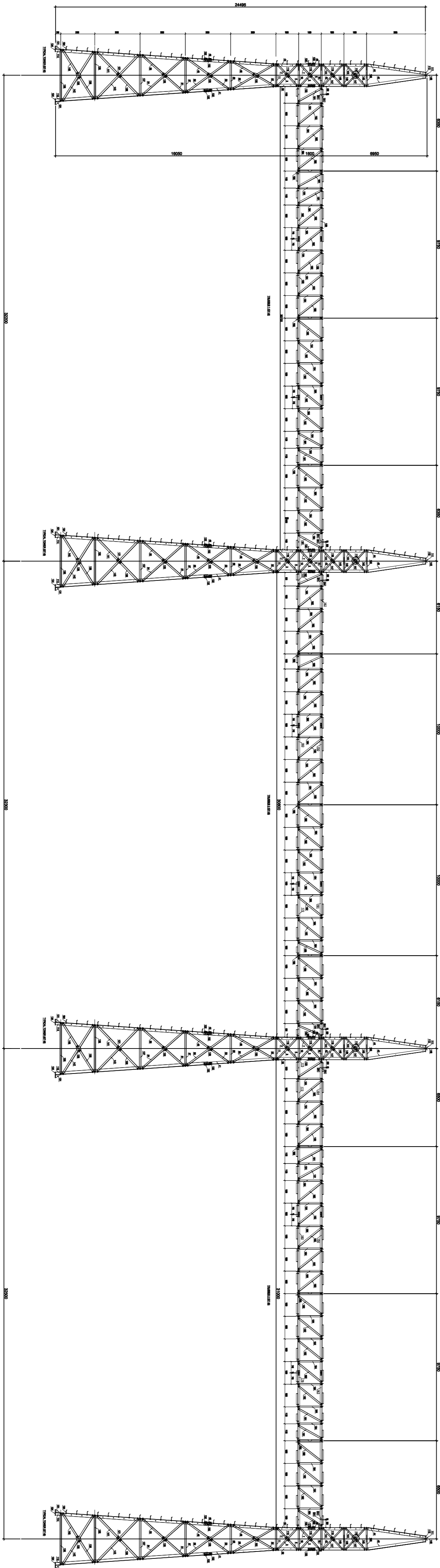
CONVERTER HALLS & CONTROL BUILDING FINISHED FLOOR IS AT ELEVATION
 20.000.
 ALL DIMENSIONS AND COORDINATES ARE IN MILLIMETERS, UNLESS NOTED
 OTHERWISE.
 ALL ELEVATIONS AND TOPOGRAPHIC LEVELS ARE IN METERS, UNLESS
 NOTED OTHERWISE.

GENERAL NOTES

PROJECT ELEVATION 40,000 CORRESPONDS TO ELEVATION 1593.90 m.a.s.l.
 PROJECT COORDINATE SYSTEM ORIGIN (HORIZONTAL GRID=1000000 ;
 VERTICAL GRID=1000000) IS AT UTM COORDINATES (206252959 ; 9892744361)
 UTM ZONE 37N DATUM ARC1960

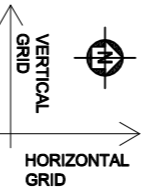


Sl. No.	Project Name	Client Name	Project Location	Project Type	Project Status	Project Manager	Project Start Date	Project End Date
1	Project A	Client A	Location A	Project Type A	Project Status A	Project Manager A	Project Start Date A	Project End Date A
2	Project B	Client B	Location B	Project Type B	Project Status B	Project Manager B	Project Start Date B	Project End Date B
3	Project C	Client C	Location C	Project Type C	Project Status C	Project Manager C	Project Start Date C	Project End Date C
4	Project D	Client D	Location D	Project Type D	Project Status D	Project Manager D	Project Start Date D	Project End Date D
5	Project E	Client E	Location E	Project Type E	Project Status E	Project Manager E	Project Start Date E	Project End Date E
6	Project F	Client F	Location F	Project Type F	Project Status F	Project Manager F	Project Start Date F	Project End Date F
7	Project G	Client G	Location G	Project Type G	Project Status G	Project Manager G	Project Start Date G	Project End Date G
8	Project H	Client H	Location H	Project Type H	Project Status H	Project Manager H	Project Start Date H	Project End Date H
9	Project I	Client I	Location I	Project Type I	Project Status I	Project Manager I	Project Start Date I	Project End Date I
10	Project J	Client J	Location J	Project Type J	Project Status J	Project Manager J	Project Start Date J	Project End Date J
11	Project K	Client K	Location K	Project Type K	Project Status K	Project Manager K	Project Start Date K	Project End Date K
12	Project L	Client L	Location L	Project Type L	Project Status L	Project Manager L	Project Start Date L	Project End Date L
13	Project M	Client M	Location M	Project Type M	Project Status M	Project Manager M	Project Start Date M	Project End Date M
14	Project N	Client N	Location N	Project Type N	Project Status N	Project Manager N	Project Start Date N	Project End Date N
15	Project O	Client O	Location O	Project Type O	Project Status O	Project Manager O	Project Start Date O	Project End Date O
16	Project P	Client P	Location P	Project Type P	Project Status P	Project Manager P	Project Start Date P	Project End Date P
17	Project Q	Client Q	Location Q	Project Type Q	Project Status Q	Project Manager Q	Project Start Date Q	Project End Date Q
18	Project R	Client R	Location R	Project Type R	Project Status R	Project Manager R	Project Start Date R	Project End Date R
19	Project S	Client S	Location S	Project Type S	Project Status S	Project Manager S	Project Start Date S	Project End Date S
20	Project T	Client T	Location T	Project Type T	Project Status T	Project Manager T	Project Start Date T	Project End Date T
21	Project U	Client U	Location U	Project Type U	Project Status U	Project Manager U	Project Start Date U	Project End Date U
22	Project V	Client V	Location V	Project Type V	Project Status V	Project Manager V	Project Start Date V	Project End Date V
23	Project W	Client W	Location W	Project Type W	Project Status W	Project Manager W	Project Start Date W	Project End Date W
24	Project X	Client X	Location X	Project Type X	Project Status X	Project Manager X	Project Start Date X	Project End Date X
25	Project Y	Client Y	Location Y	Project Type Y	Project Status Y	Project Manager Y	Project Start Date Y	Project End Date Y
26	Project Z	Client Z	Location Z	Project Type Z	Project Status Z	Project Manager Z	Project Start Date Z	Project End Date Z



GENERAL NOTES

PROJECT ELEVATION ±0.000 CORRESPONDS TO ELEVATION 1593.90 m a.s.l.
PROJECT COORDINATE SYSTEM ORIGIN (HORIZONTAL GRID=1000000;
VERTICAL GRID=1000000) IS AT UTM COORDINATES (206252959; 9882744361)
UTM ZONE 37N DATUM ARC1960



CONVERTER HALLS & CONTROL BUILDING FINISHED FLOOR IS AT ELEVATION \$0.000.
ALL DIMENSIONS AND COORDINATES ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE.
ALL ELEVATIONS AND TOPOGRAPHIC LEVELS ARE IN METERS, UNLESS NOTED OTHERWISE.

MATERIAL NOTES

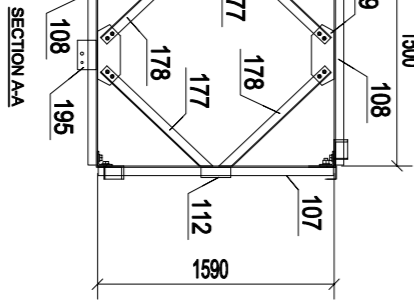
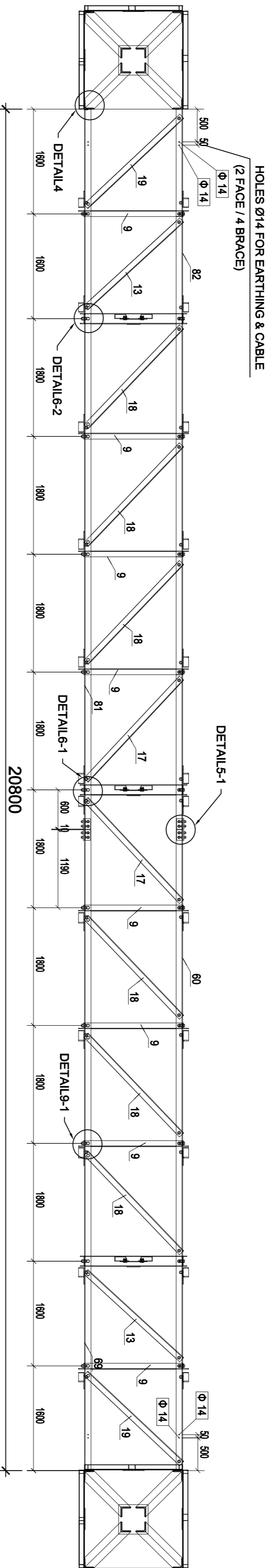
- [illegible]

REQUIREMENTS:
INITIALLY GRIT-BLASTED OR PICKLING IN A BATH.
Elements - 6mm to 10mm diam. 815 g/pc
Elements - 12mm to 19mm diam. 610g/pc
Elements - 20mm to 30mm diam. 610g/pc
Elements - 30mm to 38mm diam. 700g/pc

BOLTS, NUTS AND WASHERS SHALL BE HOT-DIP GALVANIZED AND SUBSEQUENTLY CENTRIFUGED. NUTS SHALL BE TAPPED UP TO 0.4mm OVERSIZE AFTER GALVANIZING AND THE THREADS OILED TO PREVENT THE NUTS TO BE FINGER-TURNED ON THE BOLT FOR THE FULL DEPTH OF THE NUT.

Rev.	Rev. Date	Modification	Created By	Approved By
00	2018-06-25	FIRST ISSUE	ZHIPING ZHANG	ZHILIA SONG
01	2018-10-08	ACCORDING TO COMMENTS	ZHIPING ZHANG	ZHILIA SONG
RO	2019-7-2	AS BUILT DRAWING	ZHIPING ZHANG	ZHILIA SONG

[illegible]



List of Bolts		
Grade	Profile	Q _T /Y
H58.8	M12*55	24
H58.8	M20*60	32
H58.8	M24*65	184

Double nuts, one Plain, washer, one Pc
resilient washer

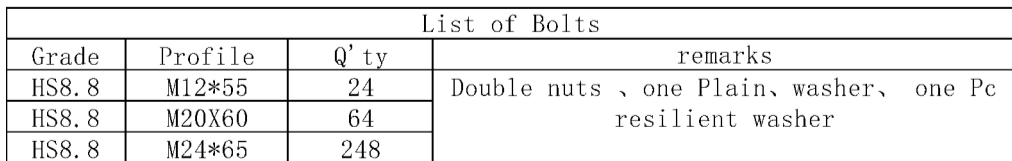
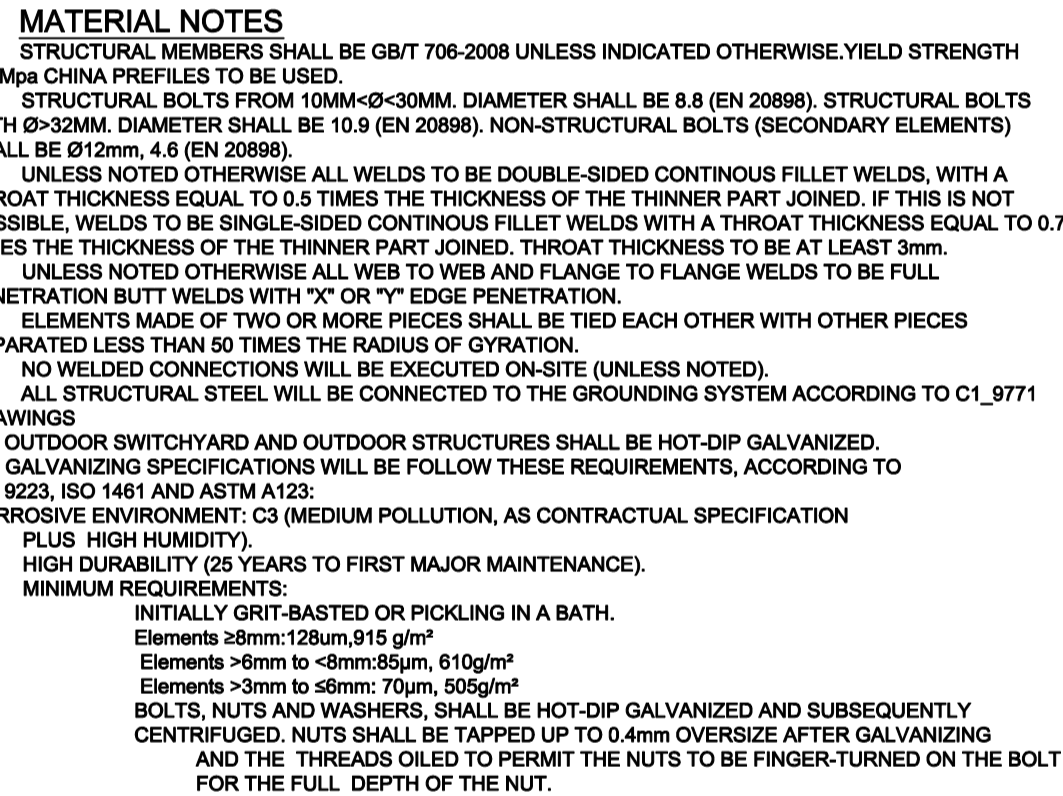
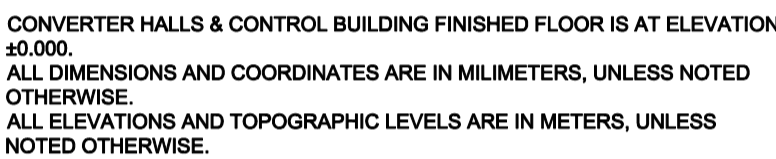
40.00 = 1563.90MMSL	AB	IFA = Issued for approval IFI = Issued for information IFC = Issued for construction	IFM = Issued for implementation (Change Input) IFM = Issued for manufacture AB = As built (Documentation)
RO 2019-7-2	AS BUILT DRAWING		ZHPING ZHANG ZHIHUA SONG
O1 2018-10-8	ACCORDING TO COMMENTS		ZHPING ZHANG ZHIHUA SONG
00 2018-06-25	FIRST ISSUE		ZHPING ZHANG ZHIHUA SONG

CONVERTER HALLS & CONTROL BUILDING FINISHED FLOOR IS AT ELEVATION \$0.000.
ALL DIMENSIONS AND COORDINATES ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE.
ALL ELEVATIONS AND TOPOGRAPHIC LEVELS ARE IN METERS, UNLESS NOTED OTHERWISE.

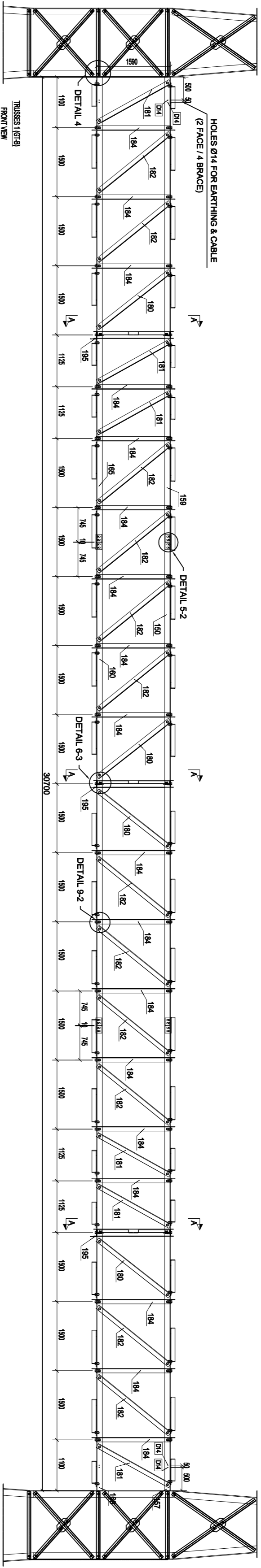
MATERIAL NOTES

1. STRUCTURAL MEMBERS SHALL BE GR70 UNLESS INDICATED OTHERWISE. WELD STRENGTH SHALL COMPLY PER AISC 360. WELDS SHALL BE USED TO JOIN ALL MEMBERS WITH A MINIMUM OF 3/8" DIA. (AISC 360B), 1/2" DIA. (AISC 360C), 3/4" DIA. (AISC 360D), 1" DIA. (AISC 360E), 1 1/2" DIA. (AISC 360F), 2" DIA. (AISC 360G), 2 1/2" DIA. (AISC 360H), 3" DIA. (AISC 360I), 3 1/2" DIA. (AISC 360J), 4" DIA. (AISC 360K), 4 1/2" DIA. (AISC 360L), 5" DIA. (AISC 360M), 5 1/2" DIA. (AISC 360N), 6" DIA. (AISC 360O), 6 1/2" DIA. (AISC 360P), 7" DIA. (AISC 360Q), 7 1/2" DIA. (AISC 360R), 8" DIA. (AISC 360S), 8 1/2" DIA. (AISC 360T), 9" DIA. (AISC 360U), 9 1/2" DIA. (AISC 360V), 10" DIA. (AISC 360W), 10 1/2" DIA. (AISC 360X), 11" DIA. (AISC 360Y), 11 1/2" DIA. (AISC 360Z), 12" DIA. (AISC 360AA), 12 1/2" DIA. (AISC 360AB), 13" DIA. (AISC 360AC), 13 1/2" DIA. (AISC 360AD), 14" DIA. (AISC 360AE), 14 1/2" DIA. (AISC 360AF), 15" DIA. (AISC 360AG), 15 1/2" DIA. (AISC 360AH), 16" DIA. (AISC 360AI), 16 1/2" DIA. (AISC 360AJ), 17" DIA. (AISC 360AK), 17 1/2" DIA. (AISC 360AL), 18" DIA. (AISC 360AM), 18 1/2" DIA. (AISC 360AN), 19" DIA. (AISC 360AO), 19 1/2" DIA. (AISC 360AP), 20" DIA. (AISC 360AQ), 20 1/2" DIA. (AISC 360AR), 21" DIA. (AISC 360AS), 21 1/2" DIA. (AISC 360AT), 22" DIA. (AISC 360AU), 22 1/2" DIA. (AISC 360AV), 23" DIA. (AISC 360AW), 23 1/2" DIA. (AISC 360AX), 24" DIA. (AISC 360AY), 24 1/2" DIA. (AISC 360AZ), 25" DIA. (AISC 360BA), 25 1/2" DIA. (AISC 360BB), 26" DIA. (AISC 360BC), 26 1/2" DIA. (AISC 360BD), 27" DIA. (AISC 360BE), 27 1/2" DIA. (AISC 360BF), 28" DIA. (AISC 360BG), 28 1/2" DIA. (AISC 360BH), 29" DIA. (AISC 360BI), 29 1/2" DIA. (AISC 360BJ), 30" DIA. (AISC 360BK), 30 1/2" DIA. (AISC 360BL), 31" DIA. (AISC 360BM), 31 1/2" DIA. (AISC 360BN), 32" DIA. (AISC 360BO), 32 1/2" DIA. (AISC 360BP), 33" DIA. (AISC 360BQ), 33 1/2" DIA. (AISC 360BR), 34" DIA. (AISC 360BS), 34 1/2" DIA. (AISC 360BT), 35" DIA. (AISC 360BU), 35 1/2" DIA. (AISC 360BV), 36" DIA. (AISC 360BW), 36 1/2" DIA. (AISC 360BX), 37" DIA. (AISC 360BY), 37 1/2" DIA. (AISC 360BZ), 38" DIA. (AISC 360CA), 38 1/2" DIA. (AISC 360CB), 39" DIA. (AISC 360CC), 39 1/2" DIA. (AISC 360CD), 40" DIA. (AISC 360CE), 40 1/2" DIA. (AISC 360CF), 41" DIA. (AISC 360CG), 41 1/2" DIA. (AISC 360CH), 42" DIA. (AISC 360CI), 42 1/2" DIA. (AISC 360CJ), 43" DIA. (AISC 360CK), 43 1/2" DIA. (AISC 360CL), 44" DIA. (AISC 360CM), 44 1/2" DIA. (AISC 360CN), 45" DIA. (AISC 360CO), 45 1/2" DIA. (AISC 360CP), 46" DIA. (AISC 360CQ), 46 1/2" DIA. (AISC 360CR), 47" DIA. (AISC 360CS), 47 1/2" DIA. (AISC 360CT), 48" DIA. (AISC 360CU), 48 1/2" DIA. (AISC 360CV), 49" DIA. (AISC 360CW), 49 1/2" DIA. (AISC 360CX), 50" DIA. (AISC 360CY), 50 1/2" DIA. (AISC 360CZ), 51" DIA. (AISC 360DA), 51 1/2" DIA. (AISC 360DB), 52" DIA. (AISC 360DC), 52 1/2" DIA. (AISC 360DD), 53" DIA. (AISC 360DE), 53 1/2" DIA. (AISC 360DF), 54" DIA. (AISC 360DG), 54 1/2" DIA. (AISC 360DH), 55" DIA. (AISC 360DI), 55 1/2" DIA. (AISC 360DJ), 56" DIA. (AISC 360DK), 56 1/2" DIA. (AISC 360DL), 57" DIA. (AISC 360DM), 57 1/2" DIA. (AISC 360DN), 58" DIA. (AISC 360DO), 58 1/2" DIA. (AISC 360DP), 59" DIA. (AISC 360DQ), 59 1/2" DIA. (AISC 360DR), 60" DIA. (AISC 360DS), 60 1/2" DIA. (AISC 360DT), 61" DIA. (AISC 360DU), 61 1/2" DIA. (AISC 360DV), 62" DIA. (AISC 360DW), 62 1/2" DIA. (AISC 360DX), 63" DIA. (AISC 360DY), 63 1/2" DIA. (AISC 360DZ), 64" DIA. (AISC 360EA), 64 1/2" DIA. (AISC 360EB), 65" DIA. (AISC 360EC), 65 1/2" DIA. (AISC 360ED), 66" DIA. (AISC 360EE), 66 1/2" DIA. (AISC 360EF), 67" DIA. (AISC 360EG), 67 1/2" DIA. (AISC 360EH), 68" DIA. (AISC 360EI), 68 1/2" DIA. (AISC 360EJ), 69" DIA. (AISC 360EK), 69 1/2" DIA. (AISC 360EL), 70" DIA. (AISC 360EM), 70 1/2" DIA. (AISC 360EN), 71" DIA. (AISC 360EO), 71 1/2" DIA. (AISC 360EP), 72" DIA. (AISC 360EQ), 72 1/2" DIA. (AISC 360ER), 73" DIA. (AISC 360ES), 73 1/2" DIA. (AISC 360ET), 74" DIA. (AISC 360EU), 74 1/2" DIA. (AISC 360EV), 75" DIA. (AISC 360EW), 75 1/2" DIA. (AISC 360EX), 76" DIA. (AISC 360EY), 76 1/2" DIA. (AISC 360EZ), 77" DIA. (AISC 360FA), 77 1/2" DIA. (AISC 360FB), 78" DIA. (AISC 360FC), 78 1/2" DIA. (AISC 360FD), 79" DIA. (AISC 360FE), 79 1/2" DIA. (AISC 360FF), 80" DIA. (AISC 360FG), 80 1/2" DIA. (AISC 360FH), 81" DIA. (AISC 360FI), 81 1/2" DIA. (AISC 360FJ), 82" DIA. (AISC 360FK), 82 1/2" DIA. (AISC 360FL), 83" DIA. (AISC 360FM), 83 1/2" DIA. (AISC 360FN), 84" DIA. (AISC 360FO), 84 1/2" DIA. (AISC 360FP), 85" DIA. (AISC 360FQ), 85 1/2" DIA. (AISC 360FR), 86" DIA. (AISC 360FS), 86 1/2" DIA. (AISC 360FT), 87" DIA. (AISC 360FU), 87 1/2" DIA. (AISC 360FV), 88" DIA. (AISC 360FW), 88 1/2" DIA. (AISC 360FX), 89" DIA. (AISC 360FY), 89 1/2" DIA. (AISC 360FZ), 90" DIA. (AISC 360GA), 90 1/2" DIA. (AISC 360GB), 91" DIA. (AISC 360GC), 91 1/2" DIA. (AISC 360GD), 92" DIA. (AISC 360GE), 92 1/2" DIA. (AISC 360GF), 93" DIA. (AISC 360GG), 93 1/2" DIA. (AISC 360GH), 94" DIA. (AISC 360GI), 94 1/2" DIA. (AISC 360GJ), 95" DIA. (AISC 360GK), 95 1/2" DIA. (AISC 360GL), 96" DIA. (AISC 360GM), 96 1/2" DIA. (AISC 360GN), 97" DIA. (AISC 360GO), 97 1/2" DIA. (AISC 360GP), 98" DIA. (AISC 360GQ), 98 1/2" DIA. (AISC 360GR), 99" DIA. (AISC 360GS), 99 1/2" DIA. (AISC 360GT), 100" DIA. (AISC 360GU), 100 1/2" DIA. (AISC 360GV), 101" DIA. (AISC 360GW), 101 1/2" DIA. (AISC 360GX), 102" DIA. (AISC 360GY), 102 1/2" DIA. (AISC 360GZ), 103" DIA. (AISC 360HA), 103 1/2" DIA. (AISC 360HB), 104" DIA. (AISC 360HC), 104 1/2" DIA. (AISC 360HD), 105" DIA. (AISC 360HE), 105 1/2" DIA. (AISC 360HF), 106" DIA. (AISC 360HG), 106 1/2" DIA. (AISC 360HH), 107" DIA. (AISC 360HI), 107 1/2" DIA. (AISC 360HJ), 108" DIA. (AISC 360HK), 108 1/2" DIA. (AISC 360HL), 109" DIA. (AISC 360HM), 109 1/2" DIA. (AISC 360HN), 110" DIA. (AISC 360HO), 110 1/2" DIA. (AISC 360HP), 111" DIA. (AISC 360HQ), 111 1/2" DIA. (AISC 360HR), 112" DIA. (AISC 360HS), 112 1/2" DIA. (AISC 360HT), 113" DIA. (AISC 360HU), 113 1/2" DIA. (AISC 360HV), 114" DIA. (AISC 360HW), 114 1/2" DIA. (AISC 360HX), 115" DIA. (AISC 360HY), 115 1/2" DIA. (AISC 360HZ), 116" DIA. (AISC 360IA), 116 1/2" DIA. (AISC 360IB), 117" DIA. (

Elements 36mm to 46mm: 18µm, 610µm²
 Elements 38mm to 50mm: 70µm, 500µm²
 BOLTS, NUTS AND WASHERS SHALL BE HOT-DIP GALVANIZED AND SUBSEQUENTLY CENTRIFUGED NUTS SHALL BE TAPPED UP TO 0.4mm OVERSIZE AFTER GALVANIZING AND THE THREADS OILED TO PERMIT THE NUTS TO BE FINGER-TURNED ON THE BOLT FOR THE FULL DEPTH OF THE NUT.



R 00 = 1593 SOMALIS		AB		IFA = Issued for approval IFI = Issued for information IFC = Issued for construction		IFM = Issued for implementation (Design Input) IFM = Issued for manufacture IFM = Issued for documentation	
R0	2019-02	AS BUILT DRAWING		ZHPING ZHANG		ZHIHUA SONG	
R0	2019-04	ACCORDING TO COMMENTS		ZHPING ZHANG		ZHIHUA SONG	
00	2019-06-25	FIRST ISSUE		ZHPING ZHANG		ZHIHUA SONG	
Rev.	Rev. Date	Modification		Created By		Approved By	
File Name (Path): N:\000063_E_C1_8862_S_GAN_003_WD_R0				HVCDC 500KV BIPOLAR 2100X1000 400KV AC,500KV DC			
KETRACO KENYA							
Project				Location Designation(s)			
Ethiopia - Kenya Power Systems Interconnection Project							
(Location)							
Suezra Converter Station							
Scale		Paper Size	Customer Document Number	Technical Classification:			
1:100		A1	EKPSP1_K1_C_00_0193_90	ECCN: N		AL: N	
Responsible Dept.		Team Reference	Document Type	Document Designation			
ING		DONGHUA WANG	LAYOUT/MATERIALS EQUIPMENT DRAWING	S_GAN_003_WD_003			
CCECC		ZHPING ZHANG	TECH. SUPPORT STRUCTURES	8862			
CCECC		Approved By	GANTRIES INTERCONNECTIONS TRUSSES 2 (GT-A)				
		ZHIHUA SONG		Rev.	Date of Issue	Language	Sheet
				R0	2019-07-02	EN	5/12

[illegible]

GENERAL NOTES:

PROJECT ELEVATION 10.00 CORRESPONDS TO ELEVATION 1988.90 M.A.S.L.

PROJECT COORDINATE SYSTEM ORIGIN (HORIZONTAL GRID=100000);

UTM ZONE 18N DATUM AUSTRA 680

ALL DIMENSIONS AND COORDINATES ARE IN METERS, UNLESS NOTED OTHERWISE.

VERTICAL CURVES ARE IN COORDINATES (2082529.97, 1982.14057)

NOTED OTHERWISE.

CONVERTER WALL'S CONTROL BUILDING FINISHED FLOOR IS AT ELEVATION 10.00.

ALL DIMENSIONS AND COORDINATES ARE IN MILLIMETERS, UNLESS NOTED

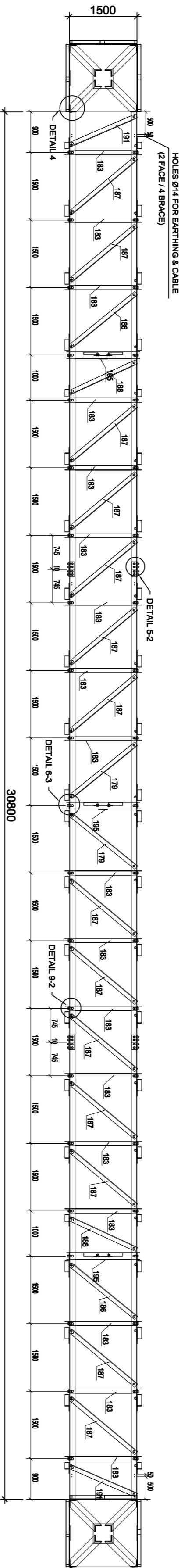
ALL ELEVATIONS AND TOPOGRAPHIC LEVELS ARE IN METERS, UNLESS

NOTED OTHERWISE.

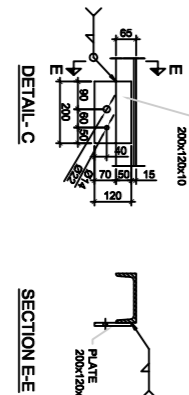
A north arrow pointing upwards, labeled "N". Below it are two perpendicular arrows: one pointing left labeled "VERTICAL GRID" and one pointing right labeled "HORIZONTAL GRID". The entire diagram is enclosed in a rectangular box.

- [illegible]

[illegible]



Grade	Profile	Q tip	Remarks
HSS 8	W20080	24	
HSS 5	W20080	64	found a lot of old plastic material, can be recycled
HSS 6	W21775	320	
HSS 6	W21770	24	

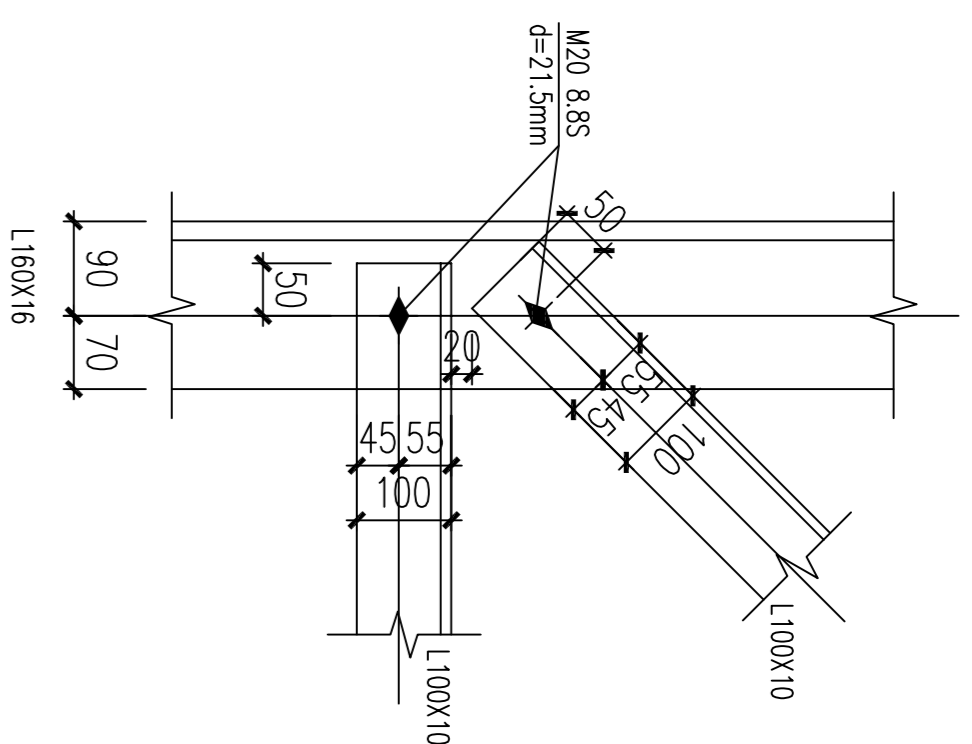


MATERIAL NOTES

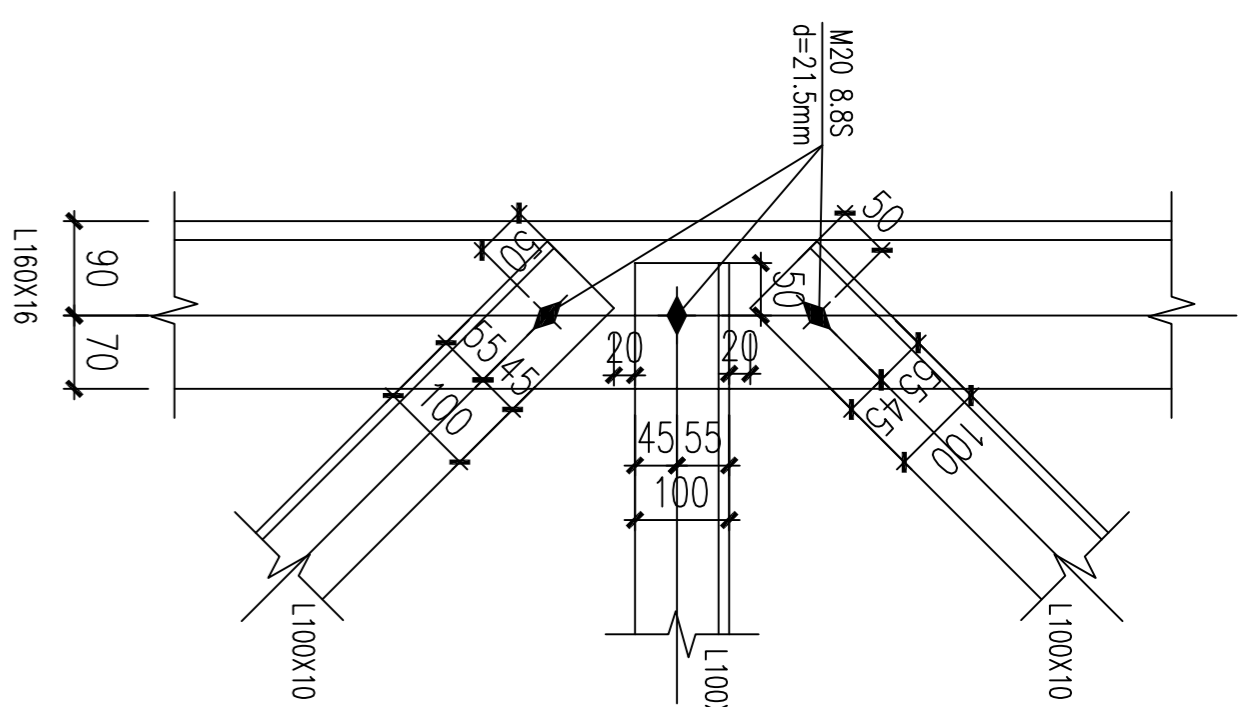
- [illegible]

Elements >6mm to <6mm: 85µm, 610µm²
Elements >3mm to <6mm: 70µm, 505µm²
BOLTS, NUTS AND WASHERS SHALL BE HOT-DIP GALVANIZED AND SUBSEQUENTLY CENTRIFUGED. THREADS UP TO 4mm OVERSIZE AFTER GALVANIZING AND THE THREADS OILED TO PERMIT THE NUTS TO BE FINGER-TURNED ON THE BOLT FOR THE FULL DEPTH OF THE NUT.

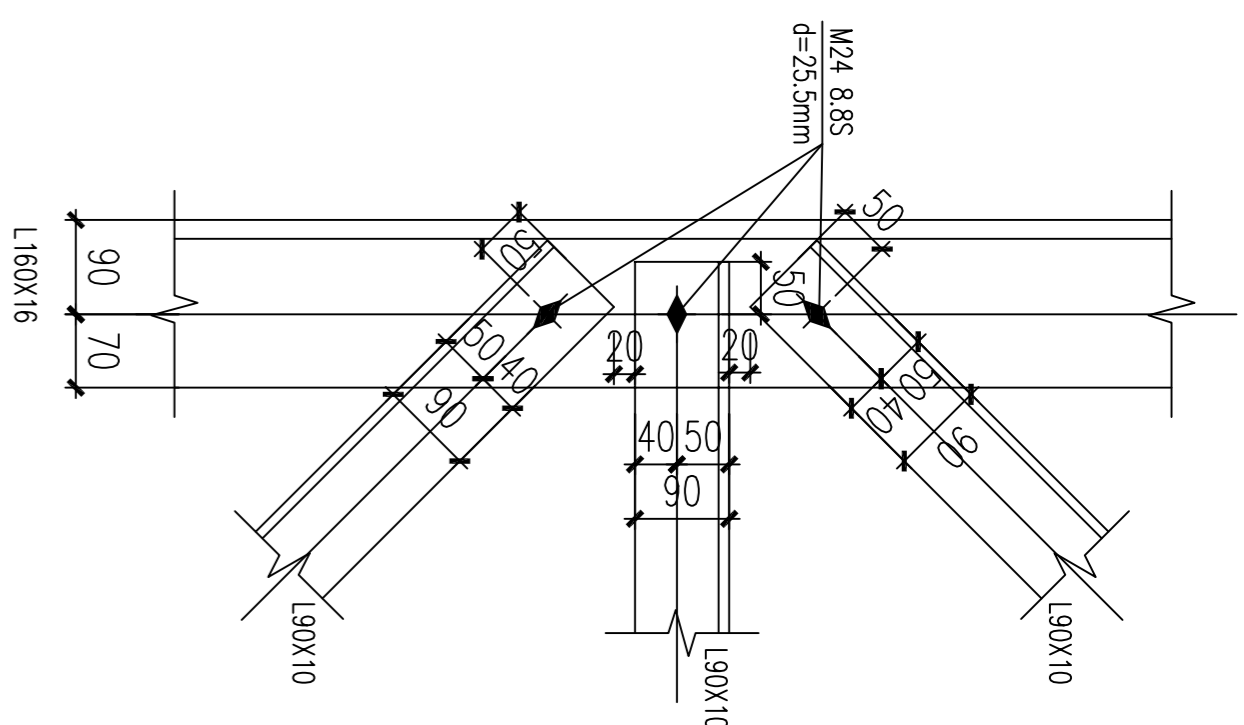
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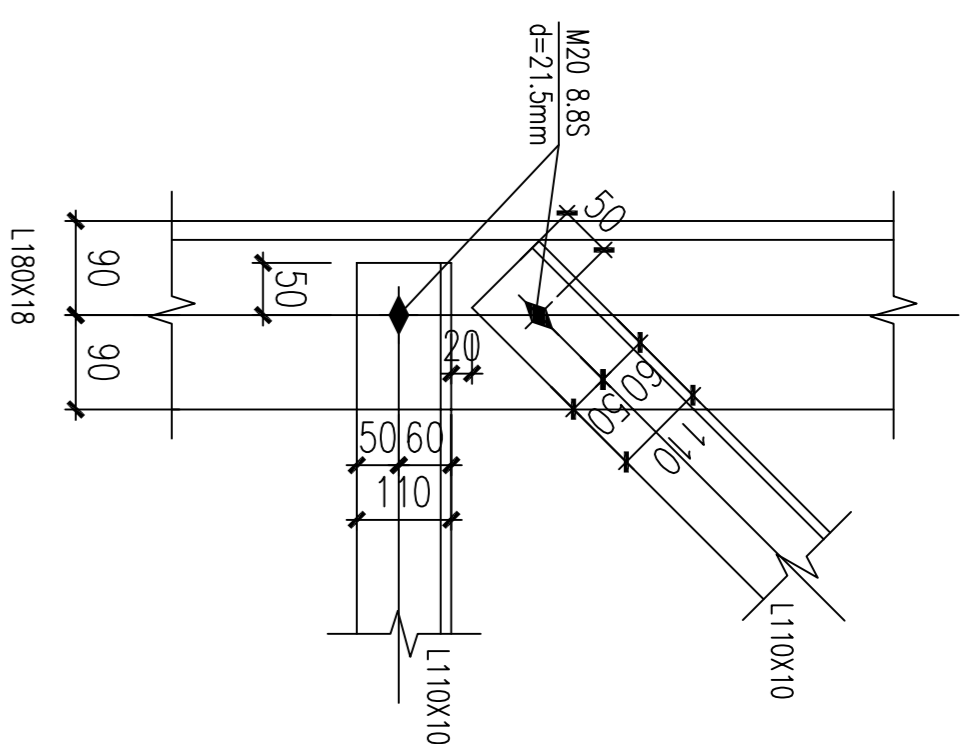
DETAIL 3-1



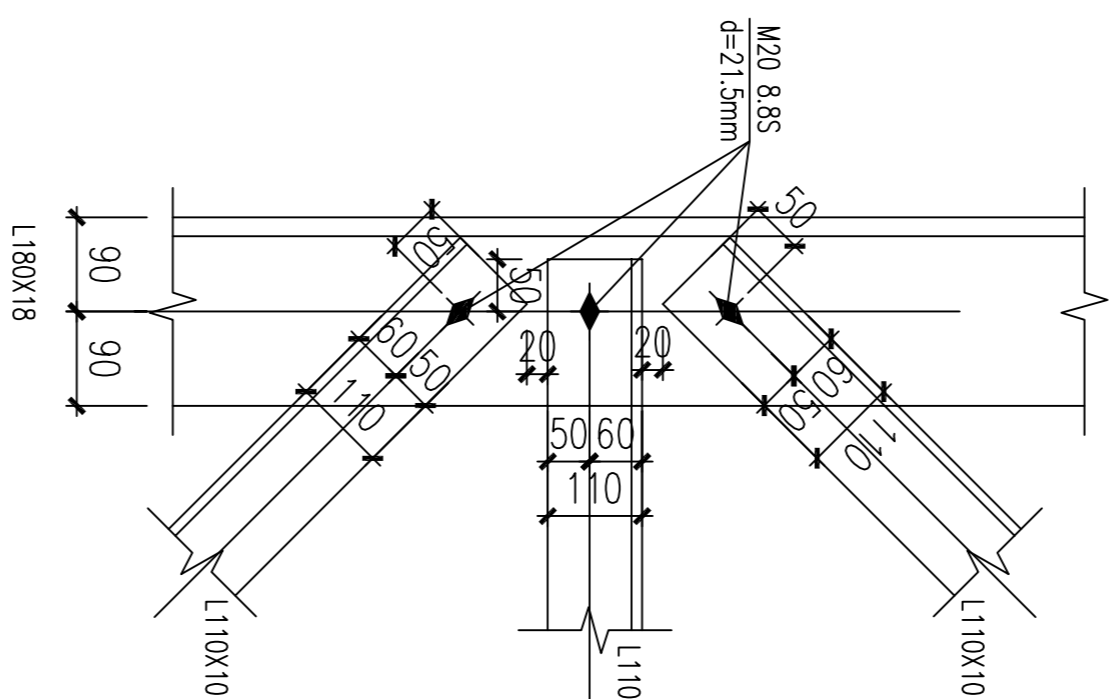
DETAIL 3-2



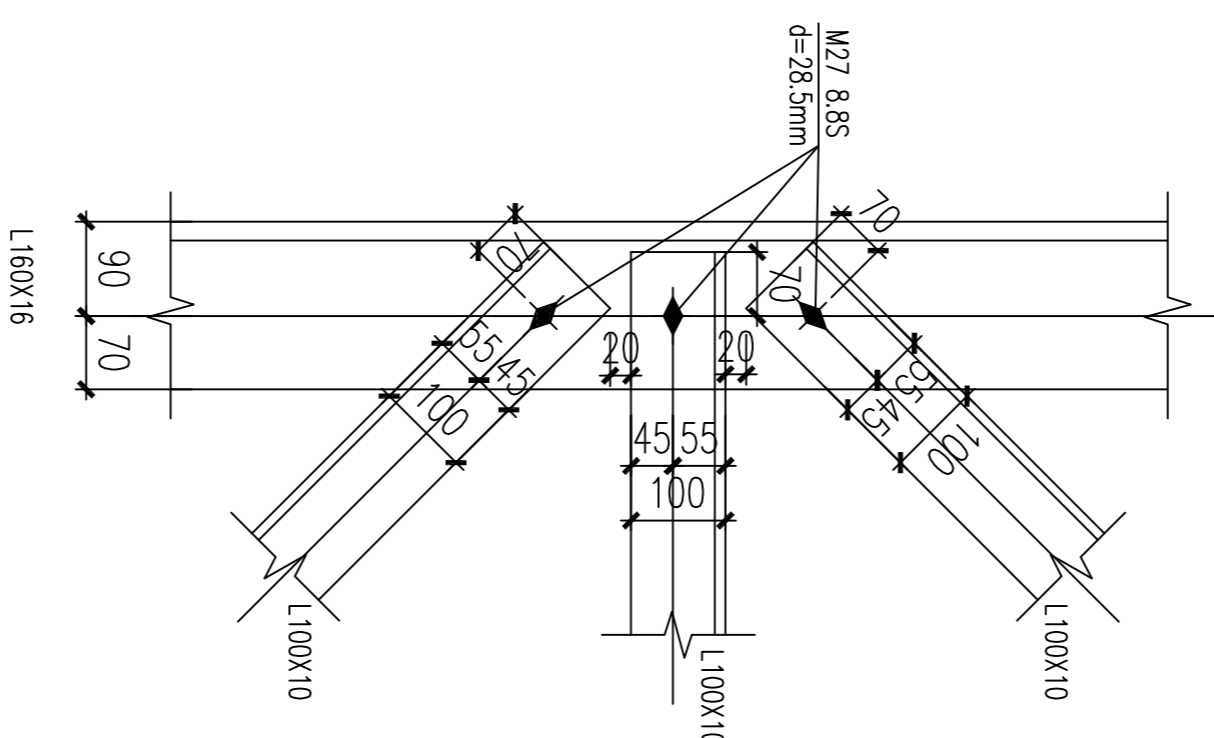
DETAIL 3-3



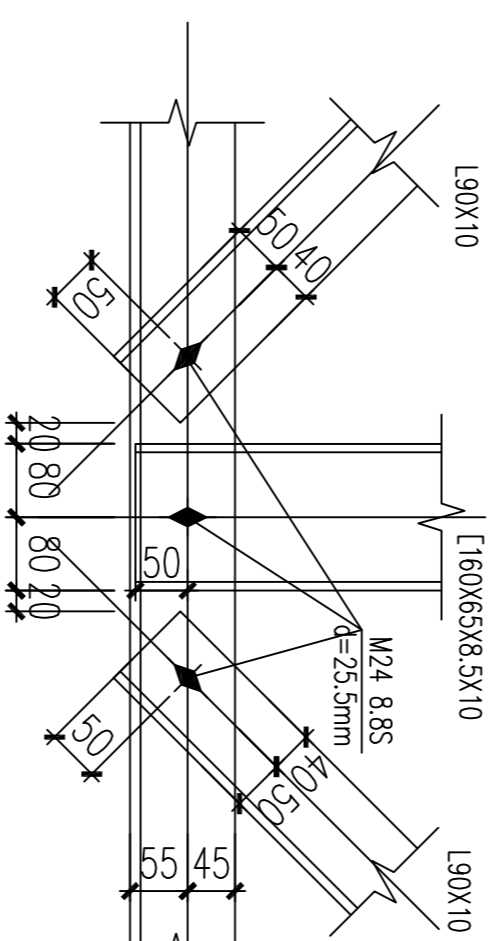
DETAIL 3-4



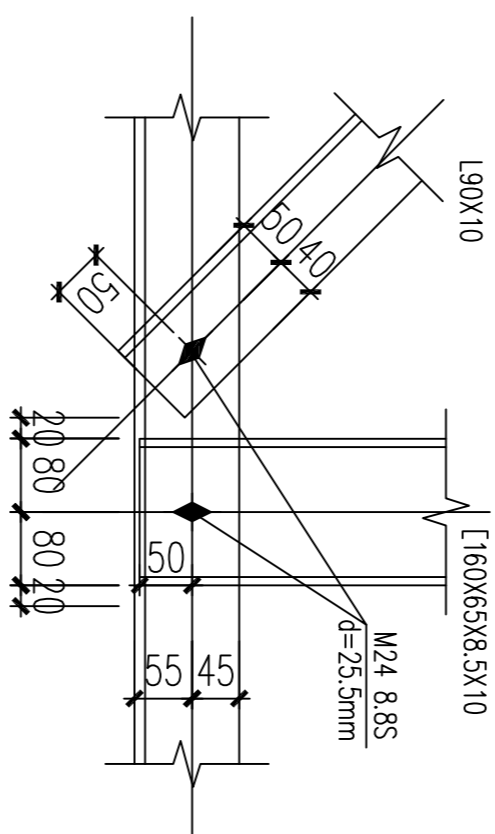
DETAIL 3-5



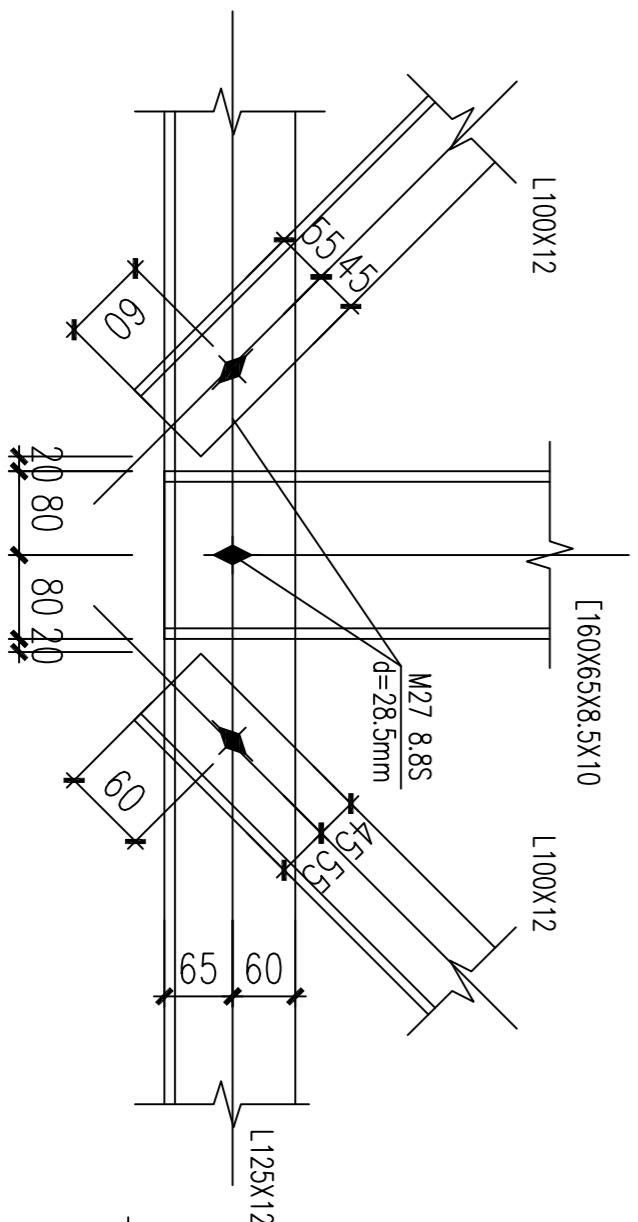
DETAIL 3-6



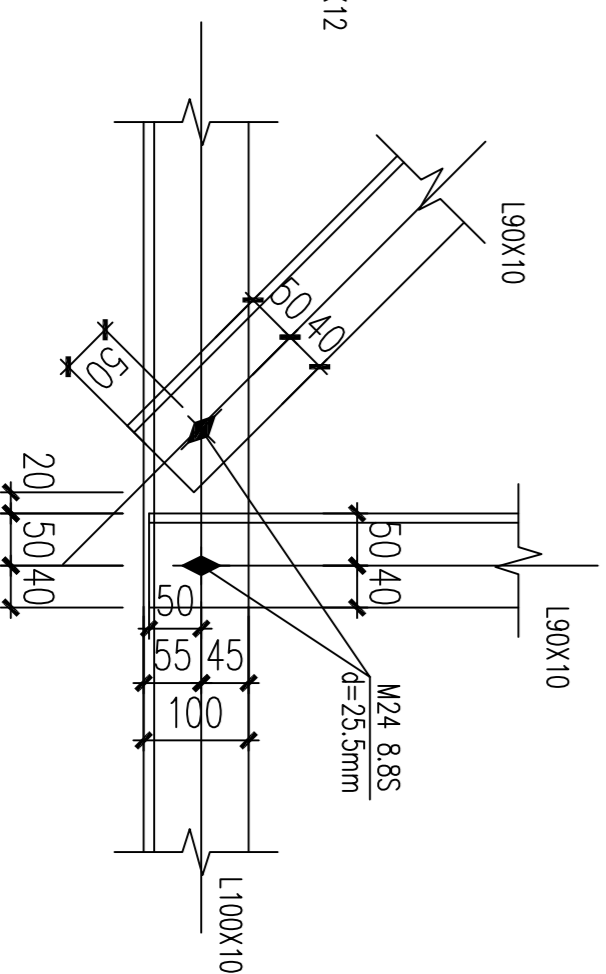
DETAIL 6-1



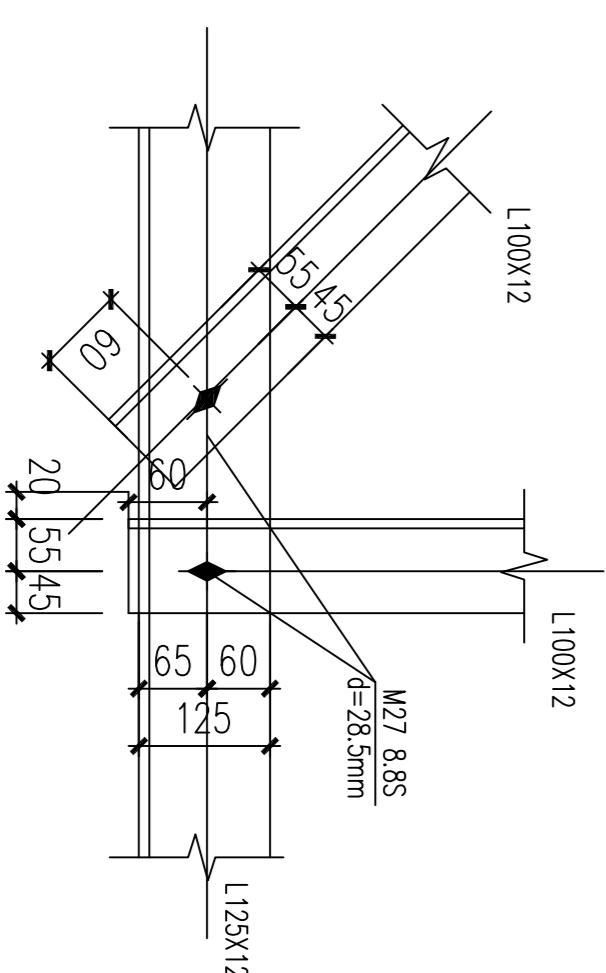
DETAIL 6-2



DETAIL 6-3



DETAIL 9-



DETAIL 9-2

GENERAL NOTES

PROJECT ELEVATION 20.000 CORRESPONDS TO ELEVATION 1593.90 m.a.s.l.
PROJECT COORDINATE SYSTEM ORIGIN (HORIZONTAL GRID=1000000;
VERTICAL GRID=1000000) IS AT UTM COORDINATES (206252959; 9882744361
UTM ZONE 37N DATUM ARC1960

CONVERTER HALLS & CONTROL BUILDING FINISHED FLOOR IS AT ELEVATION 30.000.
ALL DIMENSIONS AND COORDINATES ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE.
ALL ELEVATIONS AND TOPOGRAPHIC LEVELS ARE IN METERS, UNLESS NOTED OTHERWISE.

MATERIAL NOTES

1. STRUCTURAL MEMBERS SHALL BE PER 706-2008 UNLESS INDICATED OTHERWISE. YIELD STRENGTH 345MPa (50 KSI) SHALL BE USED.
2. STRUCTURAL BOLTS SHALL HAVE 40-30MM DIAMETER SHALL BE 8.8 (EN 10080). STRUCTURAL BOLT SHALL BE 602mm, 4.6 (EN 10080). NON-STRUCTURAL BOLT SHALL BE 602mm, 4.6 (EN 10080).
3. UNLESS NOTED OTHERWISE, ALL WEELS TO BE DOUBLE-SIDED CONTINUOUS FILLET WEELS, WITH A THROAT THICKNESS EQUAL TO 1/2 TIMES THE THICKNESS OF THE THINNER PART JOINED. IF THIS IS NOT TAKES THE THICKNESS OF THE THINNER PART JOINED, THROAT THICKNESS TO BE AT LEAST 3MM.
4. UNLESS NOTED OTHERWISE, ALL WEB TO WEB AND FLANGE TO FLANGE WEELS TO BE FULL PENETRATION BUTT WEELS WITH V OR X JOINTS IDENTIFIED EACH OTHER WITH OTHER PIECES.
5. UNLESS NOTED OTHERWISE, ALL WEELS SHALL BE FULL PENETRATION BUTT WEELS.
6. NO WEELDED CONNECTIONS WILL BE EXECUTED ON-SITE (UNLESS NOTED).
7. ALL STRUCTURAL STEEL WILL BE CONNECTED TO THE GROUNDING SYSTEM ACCORDING TO CT 97.
8. GROUNDING SWITCHWARD AND OUTDOOR SWITCHGEAR SHALL BE HOT-DIP GALVANIZED.
9. GALVANIZING SPECIFICATIONS WILL BE FOLLOW THESE REQUIREMENTS, AS CONTRACTUAL SPECIFICATION (HOT DIPPABLE, 25 YEARS TO FIRST MAJOR MAINTENANCE).
10. ANTIMONY REQUIREMENTS.
11. CORROSION PROTECTION: C3 MEDIO POLLUTION, AS CONTRACTUAL SPECIFICATION.
12. ISO 223, ISO 1461 AND ASTM A123.
13. ISO 223, ISO 1461 AND ASTM A123.

Elements - 2mm to 3mm, 70mm, 305mm
Elements - 2mm to 3mm, 70mm, 305mm
BOLTS, NUTS AND WASHERS, SHALL BE HOT-DIP GALVANIZED AND SUBSEQUENTLY CENTRIFUGED. NUTS SHALL BE TAPPED UP TO 10mm OVERSIZE AFTER GALVANIZING AND THE THREADS OILED TO PERMIT THE NUTS TO BE FINGER-TURNED ON THE BOLT FOR THE FULL DEPTH OF THE NUT.

[illegible]