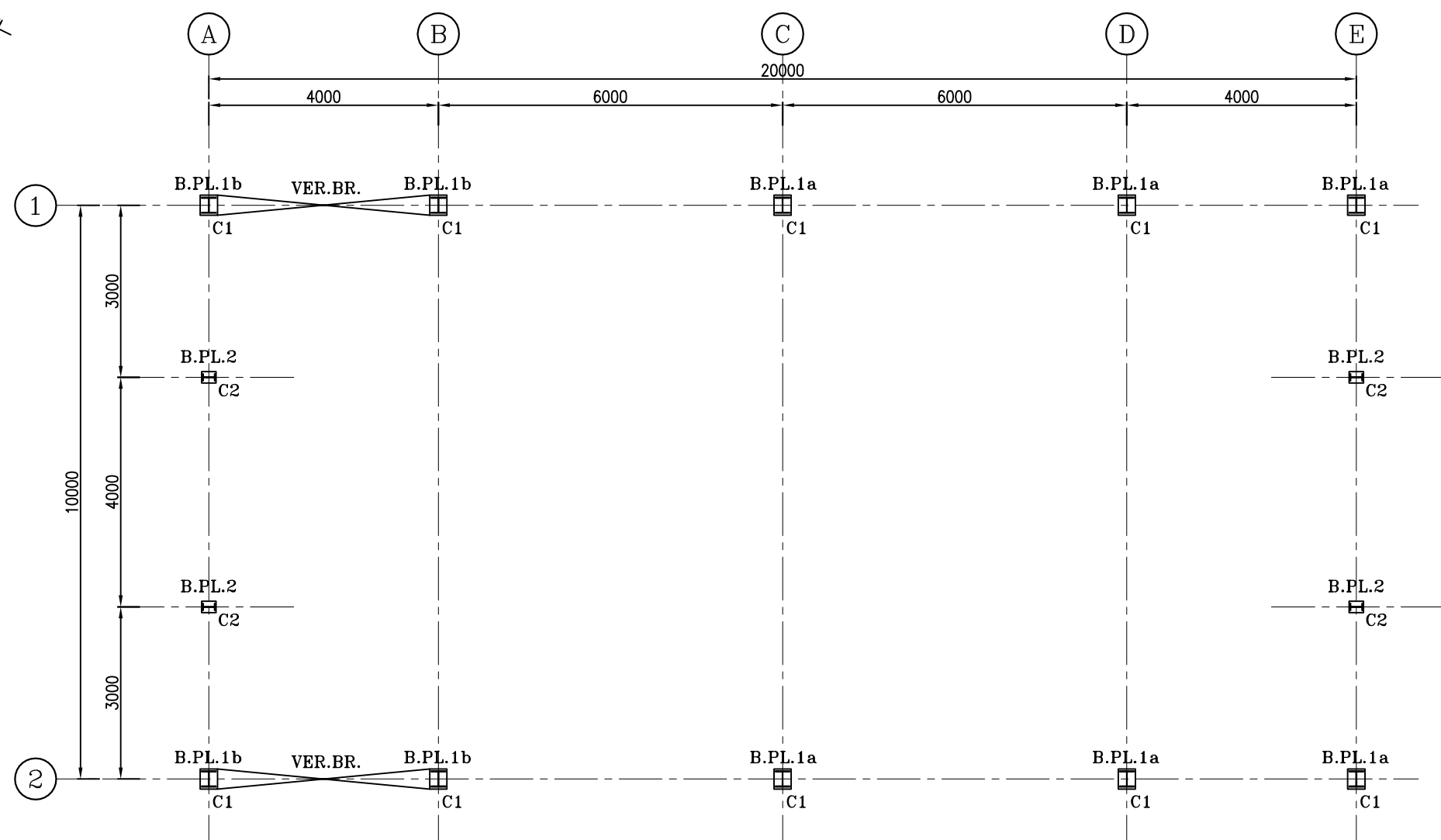




300

70 160 70

PL 350x300x20

350

110 130 110

4-T-F1-20-130-500

HOLE 40
FOR GROUT

1:10

4

BASE PLATE 1a

N=6

250

125 125

200

100 50

50

PL250x200x12

2-T-F1-20-130-500

BASE PLATE 2

1:10

6

N=4

The diagram illustrates the structural layout of the bridge deck, showing a rectangular grid with dimensions 20000mm by 10000mm. The layout is divided into four quadrants by a central horizontal and vertical axis. Key components and labels include:

- Reinforcement Bars:** T25 (top and bottom longitudinal bars), BOX 80x80x5 (cross-sections of reinforcement bars), and PE140 (vertical reinforcement bars).
- Structural Elements:** BAEM B1 (top and bottom horizontal beams), BAEM B2 (left and right vertical beams), and BAEM B3 (central vertical beam).
- Dimensions:** The overall width is 20000mm and the height is 10000mm. The grid is divided into four equal sections of 5000mm by 5000mm.
- Labels:** The diagram includes labels for reinforcement bars (T25, BOX 80x80x5, PE140) and structural elements (BAEM B1, BAEM B2, BAEM B3).

The drawing shows a roof truss system with a grid of columns labeled A, B, C, D, and E. The horizontal dimensions are 1000, 4000, 6000, 20000, 6000, 4000, and 1000. The vertical dimensions are 1000, 5000, 5000, and 1000. The truss members are labeled with numbers and fractions, such as 4/5 13 and 4/5 14. The drawing also includes annotations for SAGROD and PIPE members, such as #12 SAGROD and PIPE #40. The drawing is a technical drawing of a roof truss system, showing the layout of the truss members and the columns. The drawing includes dimensions, member labels, and annotations for SAGROD and PIPE members.

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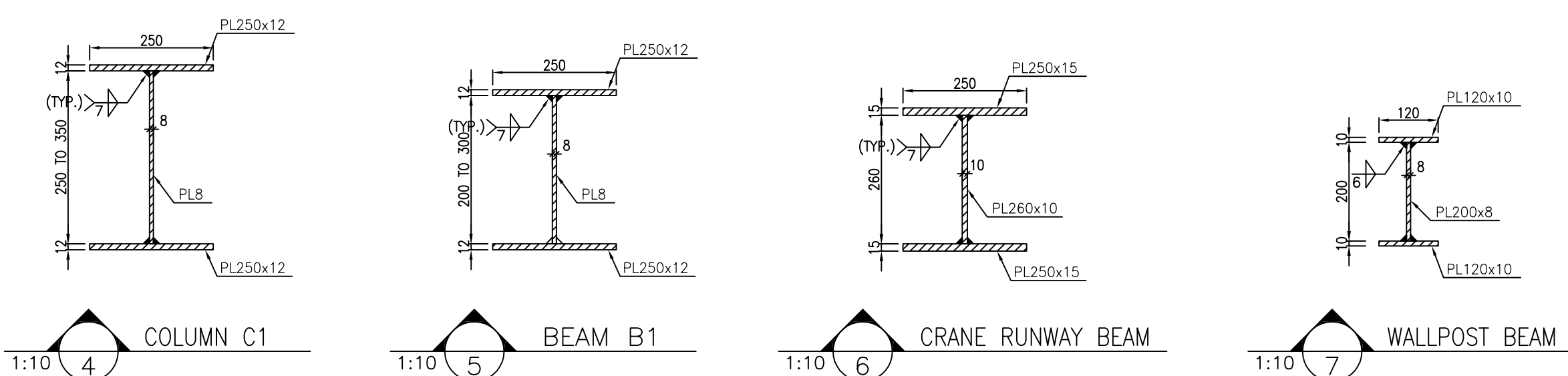
Technical drawing of a turnbuckle assembly. The assembly consists of a central turnbuckle with two threaded sections, each 200 units long. The turnbuckle is connected to two horizontal bars, each labeled "BRACING" and having a diameter of "ø25". The entire assembly is shown in a side view with dimension lines indicating the 200-unit lengths of the threaded sections.

Figure 1 is an elevation view of the test beam. The beam has a total length of 5990 mm, divided into three 1960 mm segments and a central 2000 mm segment. The cross-section is 180 mm high with 60 mm top and bottom flanges. It features 2#14 holes at various positions along the length. A 2' scale bar is shown on the right.

Diagram showing the elevation view of the bridge deck. Key dimensions include a total length of 4995, with segments of 15, 1960, 2000, and 1000. Vertical dimensions on the left show a total height of 80, with 40 and 60 segments. Vertical dimensions on the right show a total height of 180, with 60 and 22 segments. Reinforcement details include 4M12 BOLTS, 2#14 HOLES, and 2#14 HOLES. A note indicates 4M12 BOLTS and 2#14 HOLES.

D00	AUG.2023	IFC	R.BERLOUJE	M.PAKHARIAN	A.M.MOHSSEIN	***	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION							
PROJECT NO.:				971020			
EPC CONTRACTOR:   HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES				EPD/EPC CONTRACTOR (GC):  PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: STRUCTURAL DRAWING FOR FIRE WATER PUMP SHELTER							
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	
AS SHOWN	A1	BK-GCS-PEDCO-120-ST-DW-0066			1 OF 5	D00	

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REV.	DESCRIPTION	BY	DATE	BY	DATE				
		CHECKED			REV. APPR.				
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BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION									
DATE		SCALE		DRAWING BY		CHECKED BY		PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
APPROVED FOR CONSTRUCTION				BY:		DATE:			
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.		SHEET		REVISION	
053-073-9184	F	4	M	709203		1		DOO	



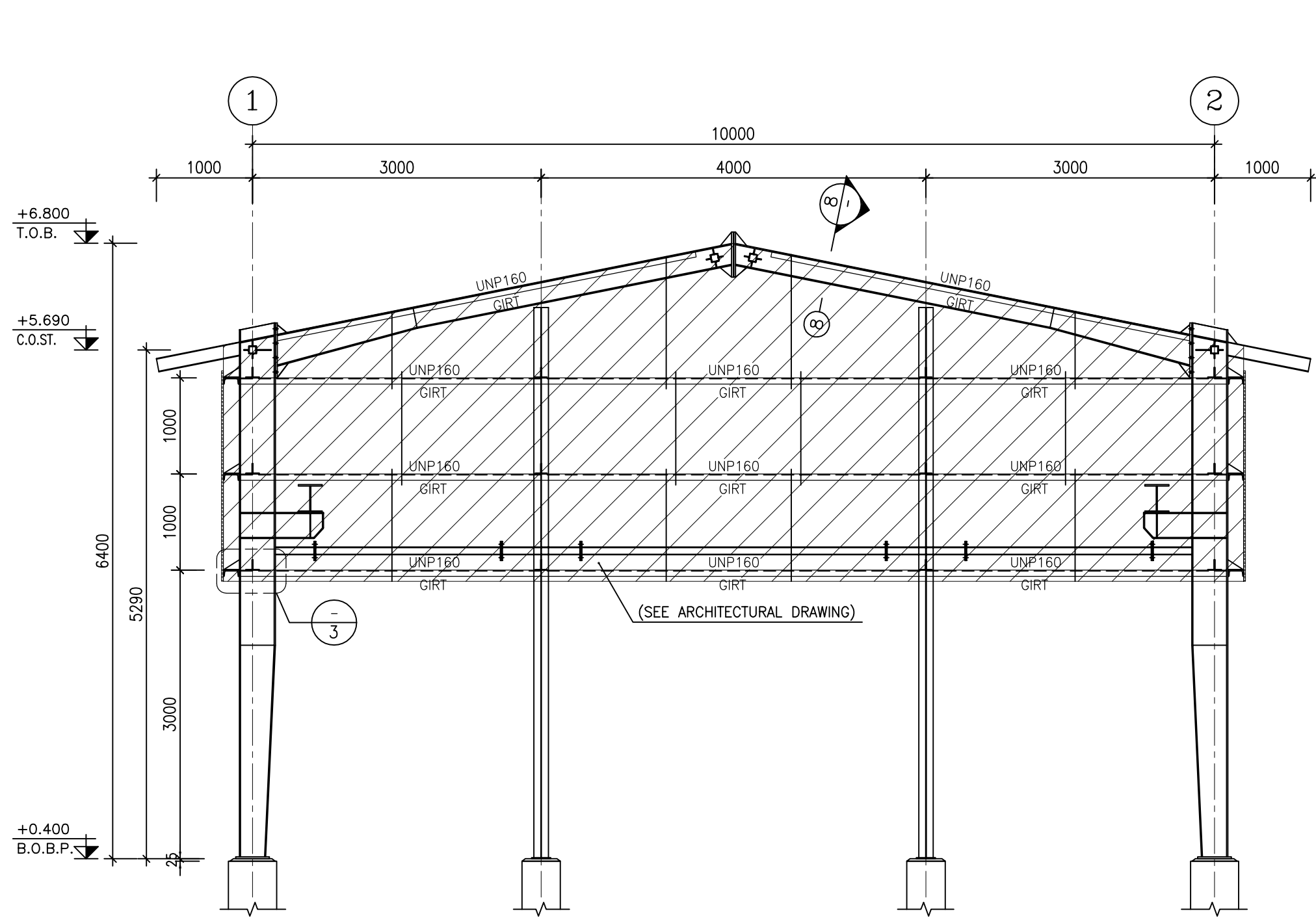
NOTES

- 1) ALL ELEVATIONS AND COORDINATES ARE IN "m" AND DIMENSIONS ARE IN "mm" UNLESS OTHERWISE NOTED.
- 2) ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 3) ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS:
"BK-GHRL-PEDCO-001-ST-SP-0001",28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 30 MPa(ON CYLINDRICAL SPECIMEN)
- 4) ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS:
"BK-GHRL-PEDCO-001-ST-SP-0001",28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa(ON CYLINDRICAL SPECIMEN)
- 5) CONCRETE COVER OVER BARS SHALL BE 75mm FOR FOUNDATION AND 50mm for CAST IN-SITU WALLS AND PEDESTALS.
- 6) REINFORCING BARS SHALL BE S400 ACCORDING TO :IS:R3132 AND INBQ9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
- 7) THE FIRST HOOP OF THE BEAM COLUMN OR PEDESTAL SHALL BE LOCATED NOT MORE THAN 50mm FROM THE FACE OF FOUNDATION.
- 8) REINFORCEMENT SHALL BE ADJUSTED LOCALLY TO SUIT THE RECESS OF ANCHOR BOLTS, HOLES AND OTHER EMBEDDED MATERIALS.
- 9) UNDERGROUND CONCRETE SHALL BE PROTECTED AND COATED ACCORDING TO RELEVANT SPECIFICATION.
- 10) PORTLAND CEMENT TYPE 2 SHALL BE USED FOR CONCRETE AND LEAN CONCRETE.
- 11) FILL MATERIAL SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (MODIFIED PROCTOR) METHOD.
- 12) FILL MATERIAL SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM

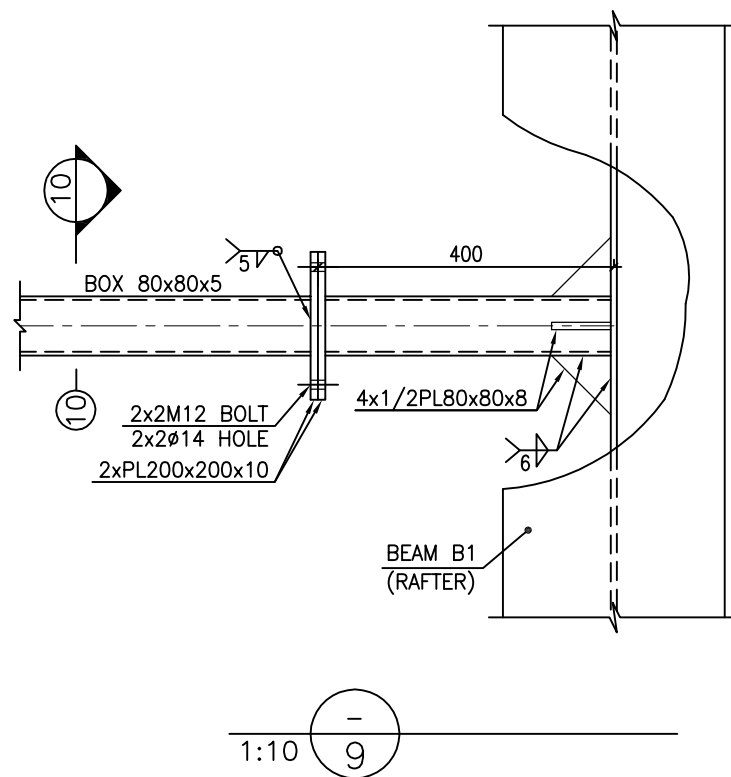
LEGEND		
F.G.L. : FINISH GROUND LEVEL		REINFORCED CONCRETE
T.O.G. : TOP OF GROUT		LEAN CONCRETE
T.O.F. : TOP OF FOUNDATION		GROUND
B.O.B.P. : BOTTOM OF BASEPLATE		
T.O.B. : TOP OF BEAM		
T.O.PED. : TOP OF PEDESTAL		
C.O.ST. : CENTER OF STRUT		

REFERENCE DRAWING	DRG. No.
CALCULATION NOTE FOR FIRE WATER PUMP SHELTER	BK-CGS-PEDCO-120-ST-CN-0009
FOUNDATION DRAWING FOR FIRE WATER PUMP SHELTER	BK-CGS-PEDCO-120-ST-DW-0065
ARCHITECTURE DRAWING FOR FIRE WATER PUMP SHELTER	BK-CGS-PEDCO-120-AR-DW-0006
STANDARD DRAWING FOR ANCHOR BOLTS	BK-GNARL-PEDCO-000-AR-DW-0002
GENERAL NOTE FOR STRUCTURES	BK-GNARL-PEDCO-000-ST-DW-0001
GENERAL NOTES-REINFORCED CONCRETE STRUCTURES	BK-GNARL-PEDCO-000-ST-DW-0012
SPECIFICATION FOR ERECTION OF STEEL STRUCTURES	BK-GNARL-PEDCO-000-ST-SP-0005
SPECIFICATION FOR FABRICATION OF STEEL STRUCTURES	BK-GNARL-PEDCO-000-ST-SP-0003
SPECIFICATION FOR STEEL STRUCTURAL WORK	BK-GNARL-PEDCO-000-ST-SP-0008
UNIT PLOT PLAN DRAWING	BK-CGS-PEDCO-120-PL-PR-0001
GEOTECHNICAL INVESTIGATION REPORT FOR COMPRESSOR STATION	BK-CGS-PEDCO-120-GT-RT-0001
SPECIFICATION FOR GROUTING	BK-GNARL-PEDCO-000-ST-SP-0004
SPECIFICATION FOR PAINTING	BK-GNARL-PEDCO-000-PI-SP-0006

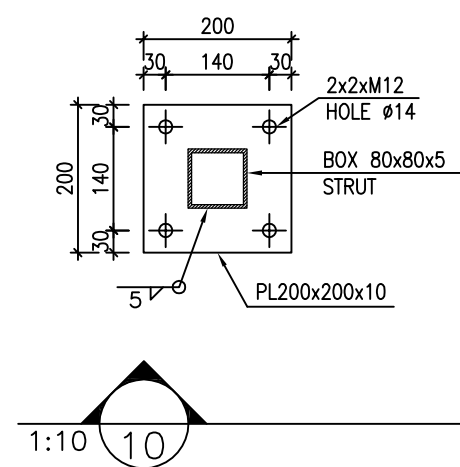
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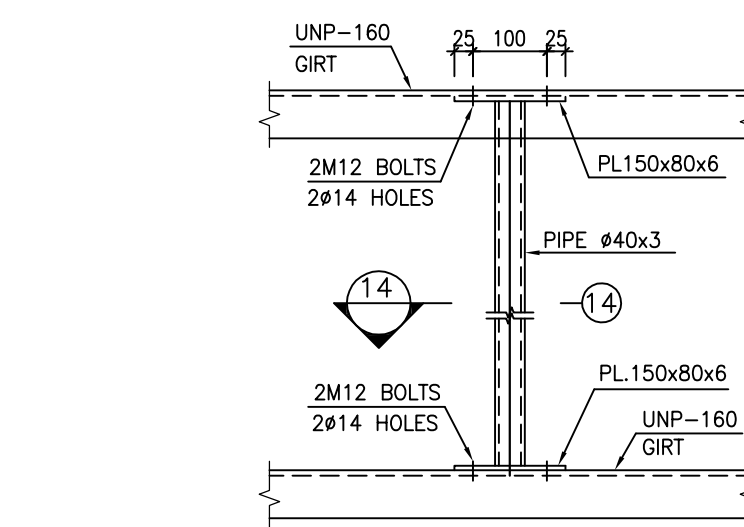
1:50 1 ELEVATION VIEW ON AXES "A&E"



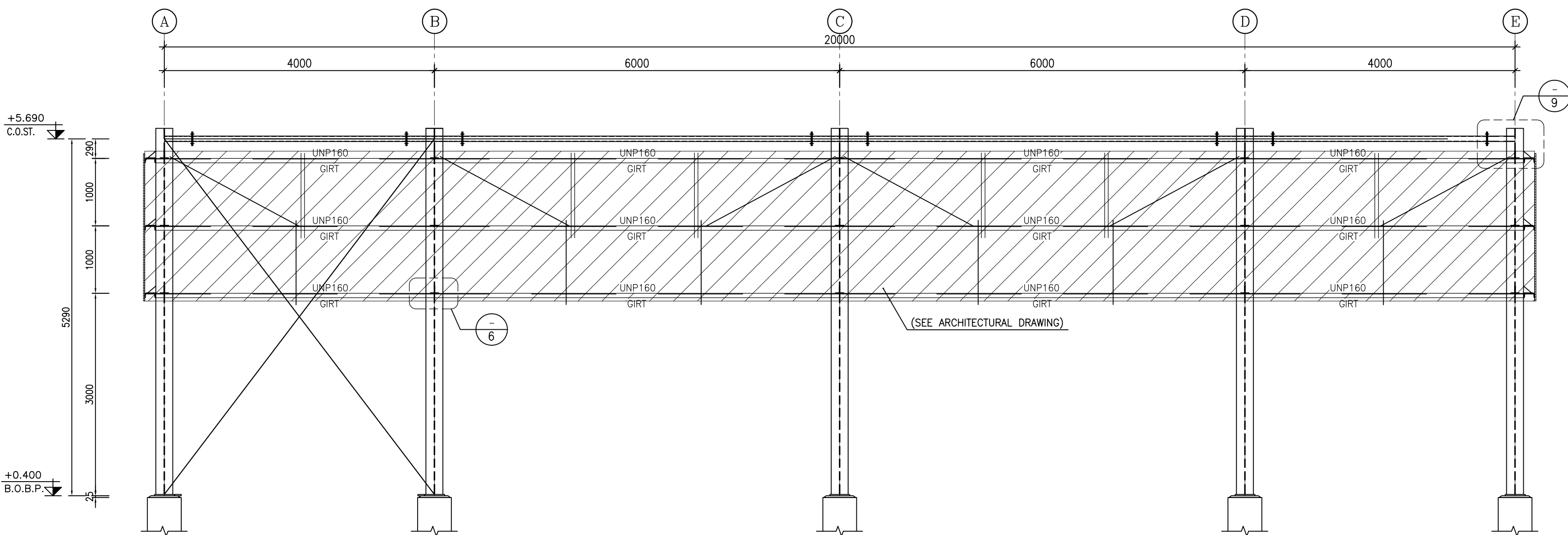
N.T.S. 11 TYP. SAGROD IN GIRT



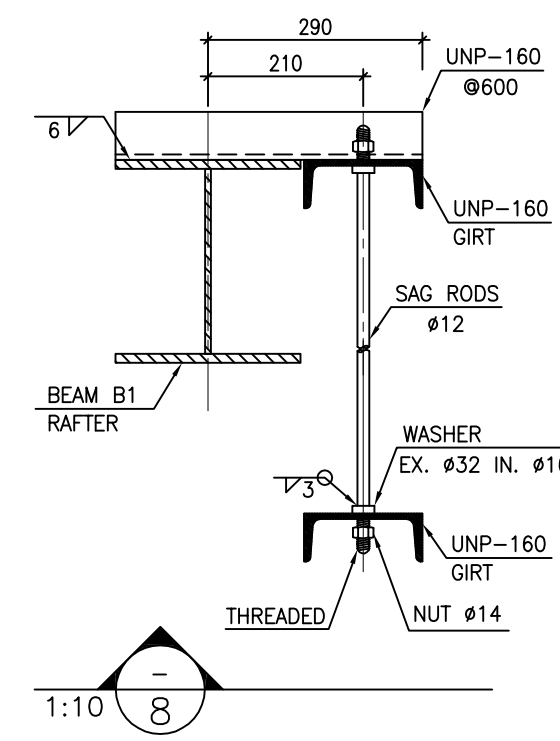
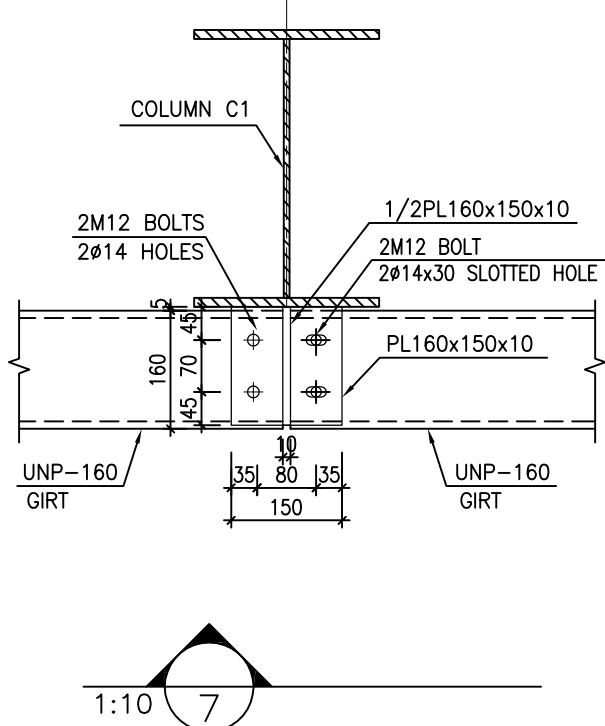
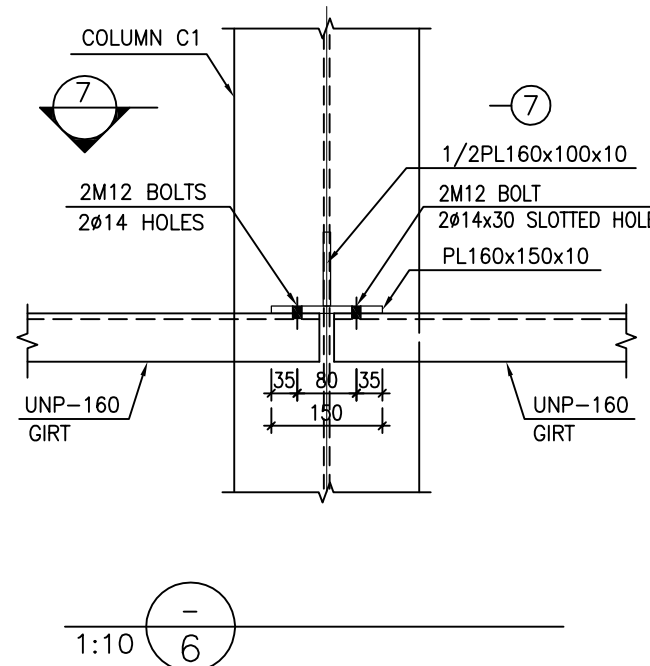
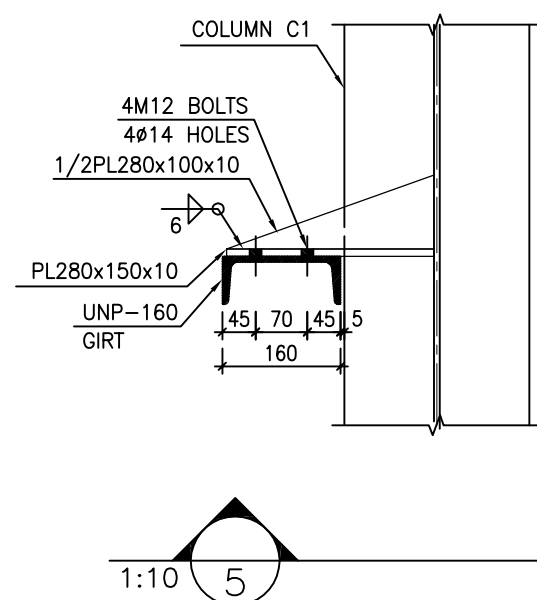
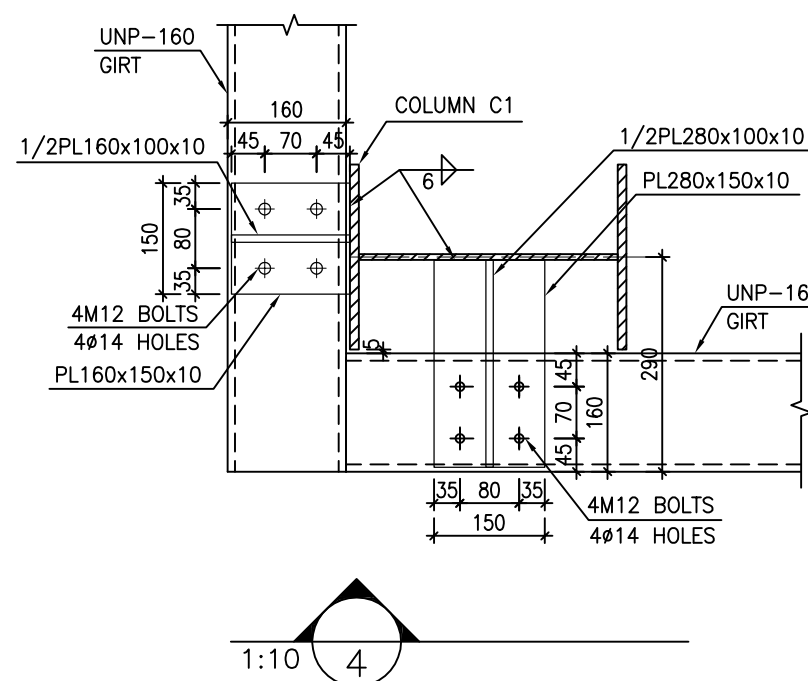
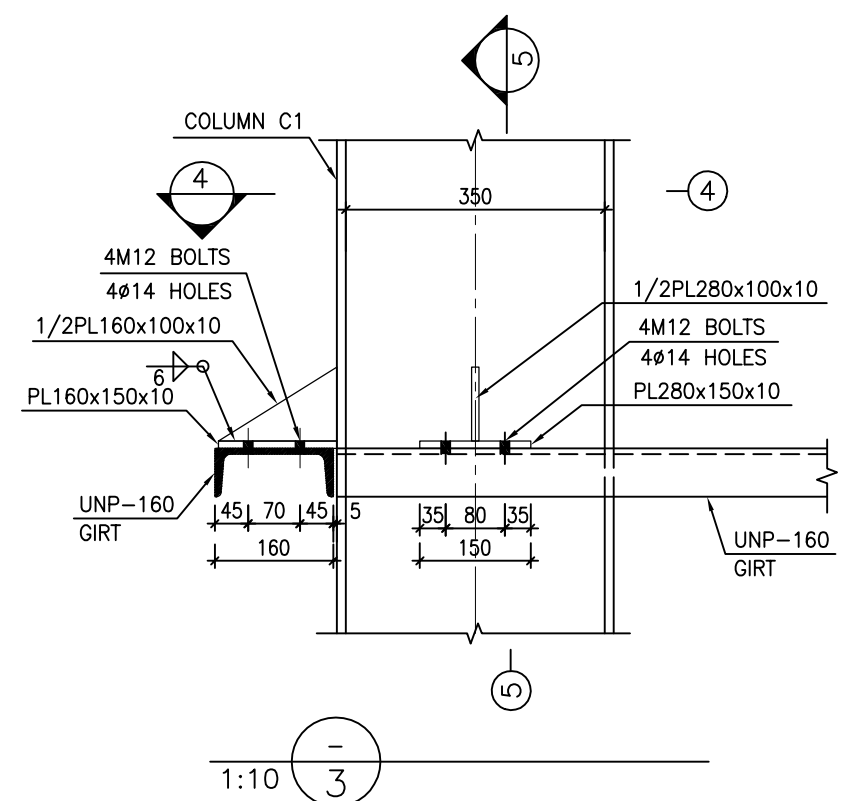
N.T.S. 12 TYP. SAGROD IN GIRT



1:10 13 TYP. PIPE TO GIRT CONNECTION DETAIL



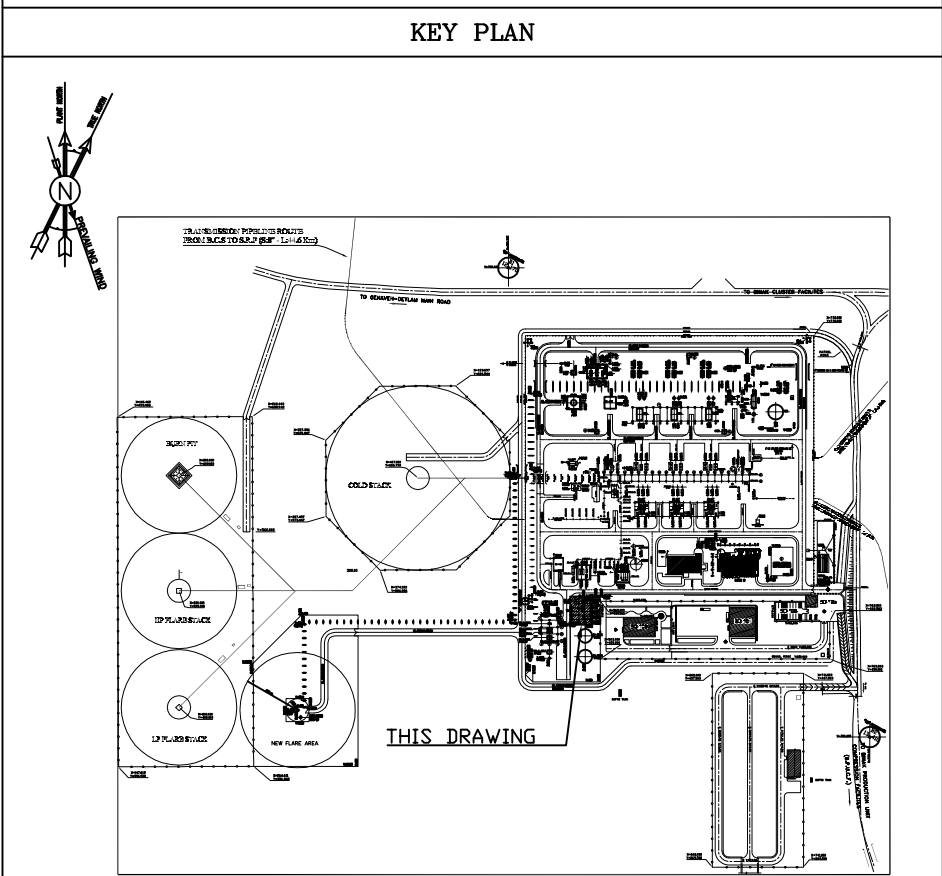
1:50 2 ELEVATION VIEW ON AXES "1&2"



- NOTES
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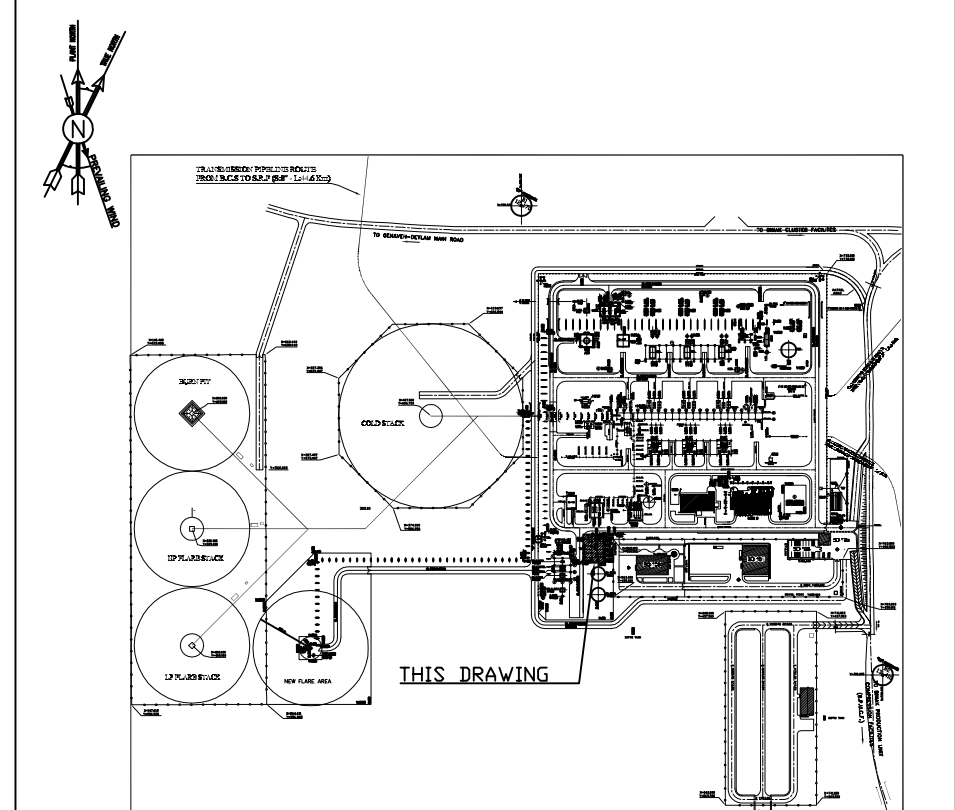
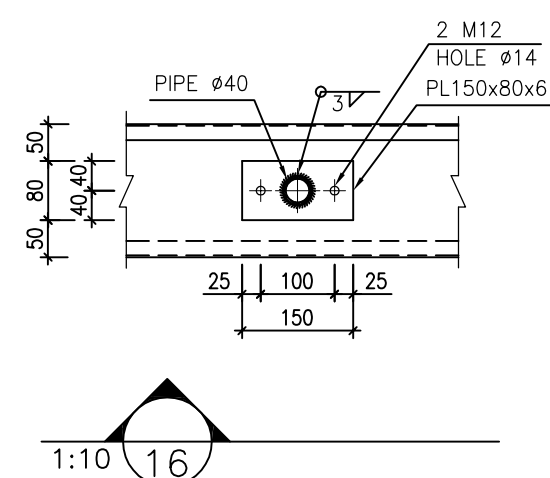
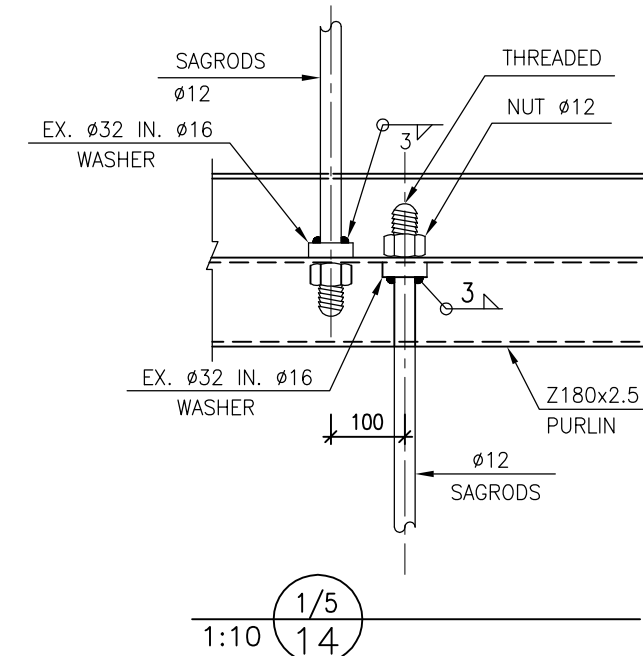
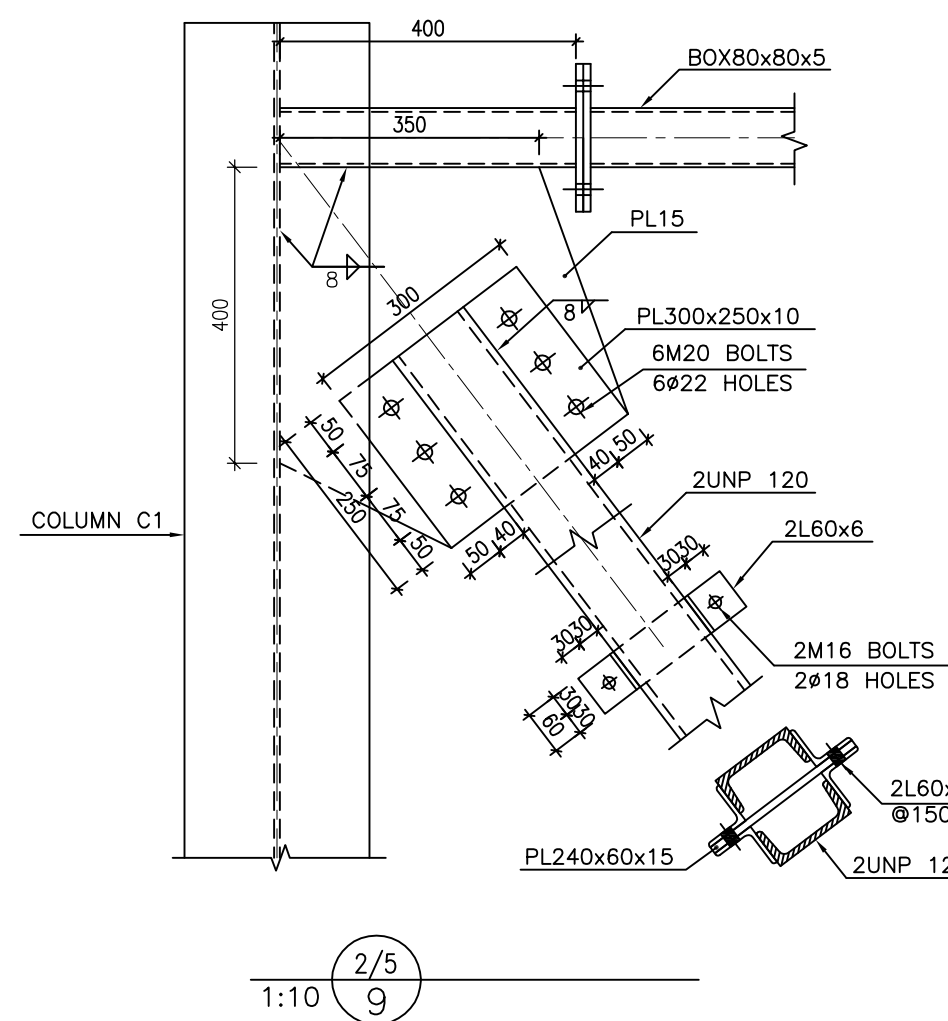
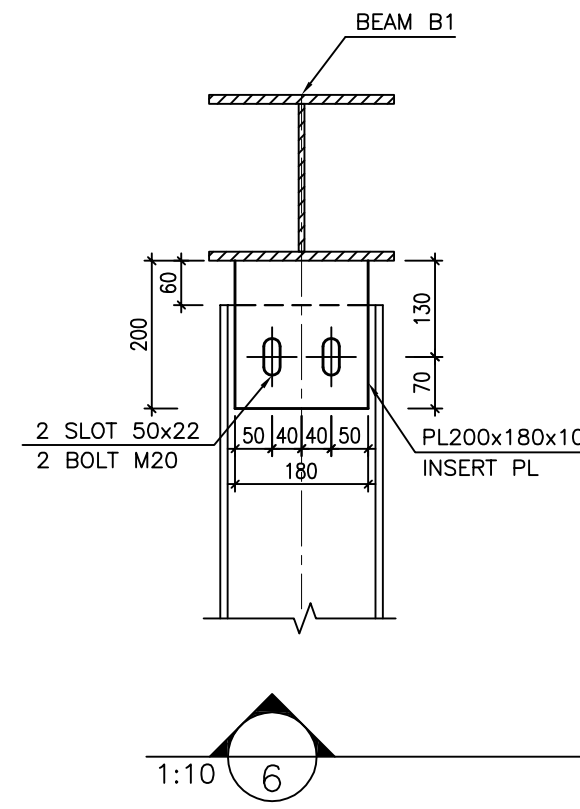
LEGEND	
F.G.L. : FINISH GROUND LEVEL	REINFORCED CONCRETE
T.O.G. : TOP OF GROUT	LEAN CONCRETE
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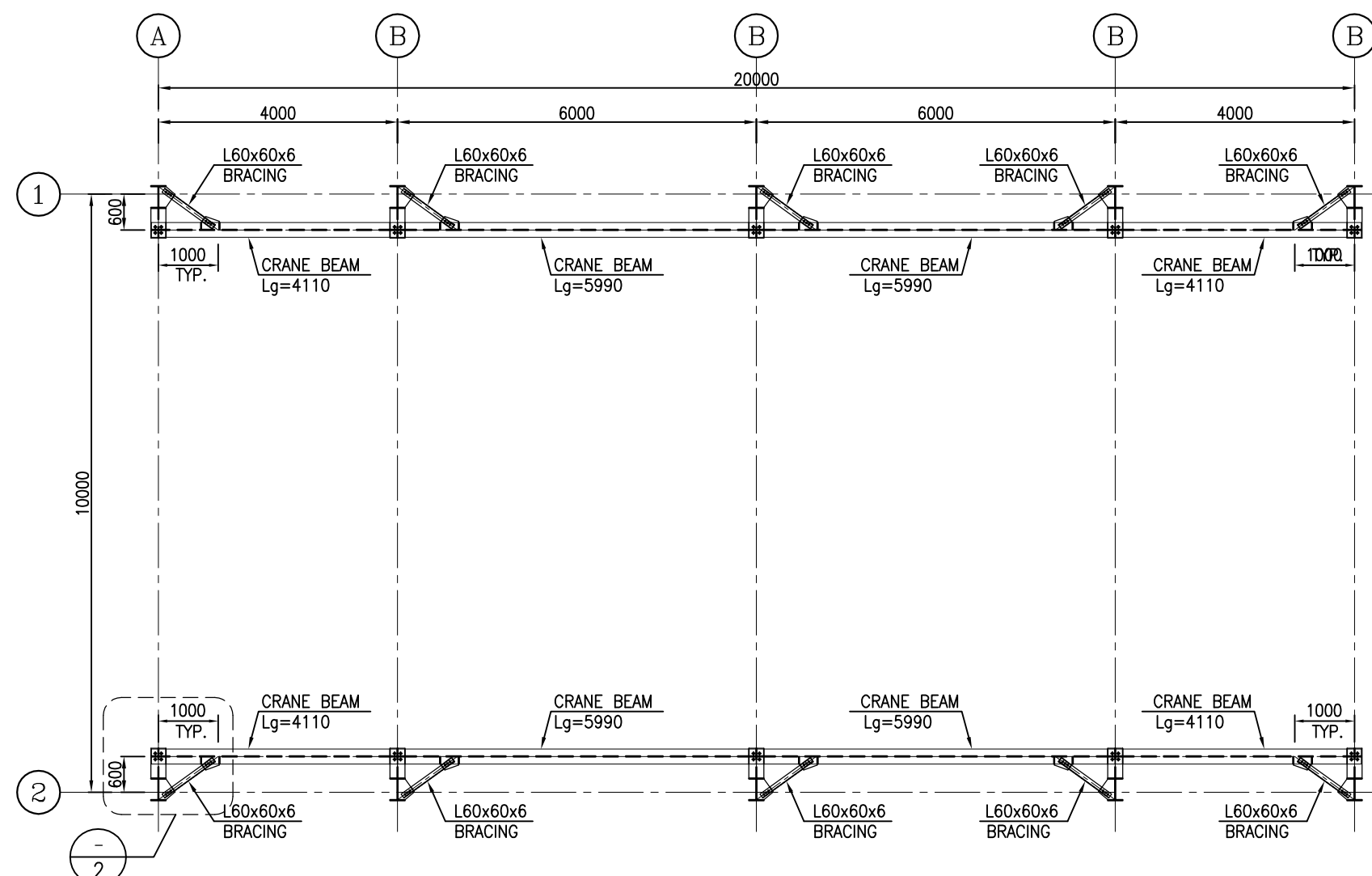
REFERENCE DRAWING	DRG. No.
CALCULATION NOTE FOR FIRE WATER PUMP SHELTER	BK-GCS-PEDCO-120-ST-CN-0009
FOUNDATION DRAWING FOR FIRE WATER PUMP SHELTER	BK-GCS-PEDCO-120-ST-DW-0085
ARCHITECTURAL DRAWING FOR FIRE WATER PUMP SHELTER	BK-GCS-PEDCO-120-AR-DW-0006
STANDARD DRAWING FOR ANCHOR BOLTS	BK-GNRL-PEDCO-000-ST-DW-0002
GENERAL NOTES-STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES-REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
SPECIFICATION FOR ERECTION OF STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-SP-0005
SPECIFICATION FOR FABRICATION OF STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-SP-0003
SPECIFICATION FOR STEEL STRUCTURAL WORK	BK-GNRL-PEDCO-000-ST-SP-0008
UNIT PLOT PLAN DRAWING	BK-GCS-PEDCO-120-PL-PY-0001
GEOTECHNICAL INVESTIGATION REPORT FOR COMPRESSOR STATION	BK-GCS-PEDCO-120-GT-RT-0001
SPECIFICATION FOR GROUTING	BK-GNRL-PEDCO-000-ST-SP-0004
SPECIFICATION FOR PAINTING	BK-GNRL-PEDCO-000-PI-SP-0006



D00	AUG.2023	IFC	R.BERLOUIE	M.PAKHARIAN	A.M.MOHSENI	**..**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: <i>BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION</i>						
PROJECT NO.:			971020			
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			  PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: <i>STRUCTURAL DRAWING FOR FIRE WATER PUMP SHELTER</i>						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
AS SHOWN	A1	BK-GCS-PEDCO-120-ST-DW-0066			3 OF 5	D00

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REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
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BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION			BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET
053-073-9184	F	4	M	709203	3
AS SHOWN			BK-GCS-PEDCO-120-ST-DW-0066		3 OF 5
DOO			DOO		

[illegible]



Technical drawing showing the connection of a crane runway beam to a column (C1) using a stiff plate (PL10) and bolts.

Key components and dimensions:

- CRANE RUNWAY BEAM**: The horizontal beam being connected.
- STIFF PL. THK. = 10**: The diagonal stiff plate with a thickness of 10 mm.
- BRACKET**: A vertical bracket on the column.
- L60x60x6**: The material specification for the bracket.
- PL10**: The material specification for the stiff plate.
- 3M20 BOLTS**: Bolts used for the connection.
- 3ø22 HOLES**: Holes for the bolts.
- Dimensions**:
 - Overall height of the column: 600 mm.
 - Height of the bracket: 125 mm.
 - Horizontal distance from the column face to the start of the stiff plate: 1000 mm.
 - Horizontal distance from the start of the stiff plate to the beam face: 300 mm.
 - Vertical distance from the column face to the bottom of the stiff plate: 500 mm.
 - Horizontal distance from the column face to the center of the bottom bolt: 50 mm.
 - Horizontal distance between the two bolt lines: 50 mm.
 - Horizontal distance from the center of the bottom bolt to the beam face: 50 mm.

Diagram illustrating the connection of a crane beam to a stiff plate (PL10) using bolts. The connection details include:

- CRANE BEAM
- STIFF PL. THK.=10
- 3M16 BOLTS
- 3ø18 HOLES
- L60x60x6
- PL10
- Dimensions: 100 (vertical offset), 50 (horizontal spacing between bolts)

100
60 40
125
600
125
200
100
50
PL200x100x10
PL350x120x10
PL500x250x10
PL350x120x10
PL350x120x10
PL350x120x10
PL250x200x10
2M16 BOLT
2ø18 HOLE
60 40
8
20
50
100
50
CRANE RUNWAY BEAM
+4.290
T.O.C.R.
2M16 BOLT
2ø18x40 SLOTTED HOLE
+4.000
T.O. BROCKET
PL150x250x10
CORBEL
PL250x120x8
PL250x8
PL135x250x10
PL400x250x10
C

Technical drawing of a crane runway beam connection. The drawing shows a side elevation of a beam-to-column joint. Key components include a PL 10 stiffener (10mm thick) at the top and bottom, a PL 500x250x10 stiffener on the side, and a PL 350x120x10 stiffener on the column. The beam is 600mm wide, and the column is 125mm wide. The connection is secured with 2M20 bolts (22mm hole) and 2M20 bolts (24mm slot hole). Dimensions include 125mm for the column width, 600mm for the beam width, and 125mm for the stiffener width. Vertical dimensions show a total height of 1000mm, with 75mm, 100mm, and 75mm segments. A crane runway beam is shown at the top right, and a crane wheel is indicated by a circle with 'L'.

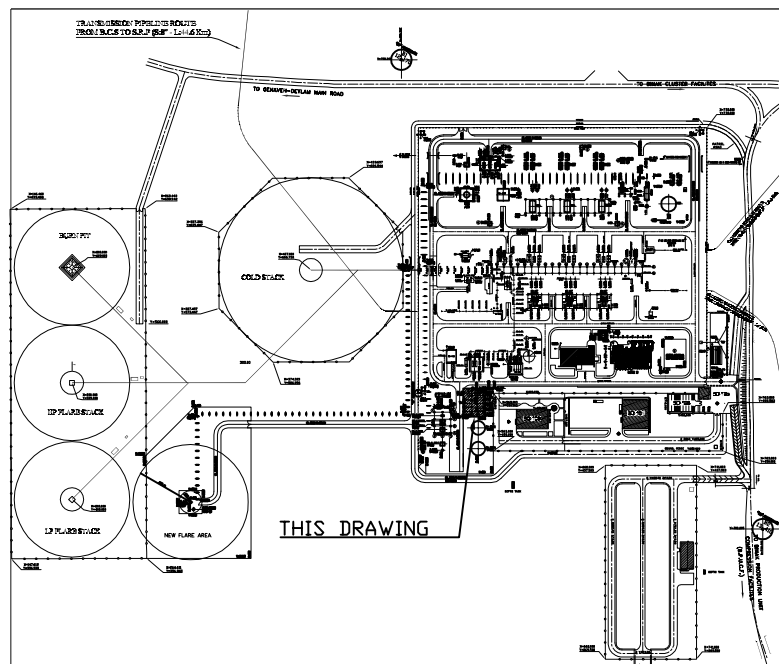
This diagram shows the elevation view of the crane runway beam connection. Key components and dimensions include:

- Crane Runway Beam:** The main horizontal member being connected.
- PL10 Stiffener (Ø1000):** Two vertical stiffeners are shown, one on each side of the column.
- 2M16 Bolt 2ø18x40 Slotted Hole:** Two bolts are shown at the top of the stiffeners, with a maximum spacing of 1000 mm.
- 2M20 Bolt 2ø22 HOLE:** Two bolts are shown at the bottom of the stiffeners, with a maximum spacing of 1000 mm.
- 2M20 Bolt 2ø22x50 Slotted Hole:** Two bolts are shown at the bottom of the stiffeners, with a maximum spacing of 1000 mm.
- Dimensions:**
 - Vertical dimensions: 50, 100, 200, 50, 100, 50.
 - Horizontal dimensions: 75, 100, 75.
 - Stiffener diameter: Ø1000.
 - Stiffener length: PL10 STIFFENER Ø1000.
 - Stiffener width: PL220x200x10.
- Other Labels:** CRANE RUNWAY BEAM, CORBEL, COLUMN C1.

Technical drawing illustrating the connection between a steel beam (rafter) and a purlin. The drawing shows a cross-section of the roof structure. The main components are labeled:

- Z180x2.5 PURLIN**: The upper horizontal member.
- φ12 SAG ROD**: The vertical rod connecting the purlin to the rafter.
- STEEL BEAM (RAFTER)**: The lower inclined member.

The drawing shows the sag rod passing through the purlin and the rafter, secured with nuts and washers. The rafter is labeled as a steel beam.

[illegible]