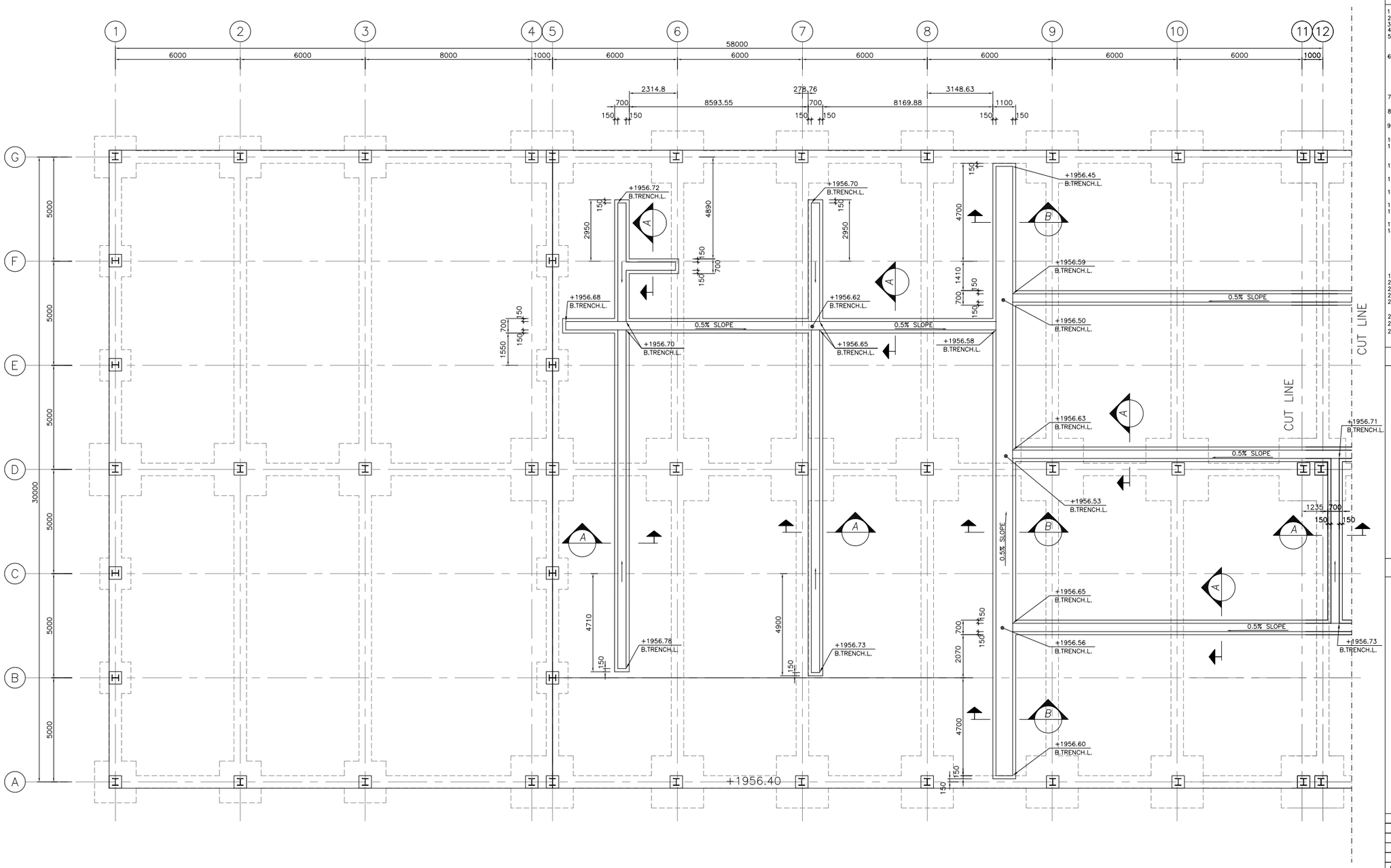


TRENCH FORMWORK PLAN

1:100 (1)

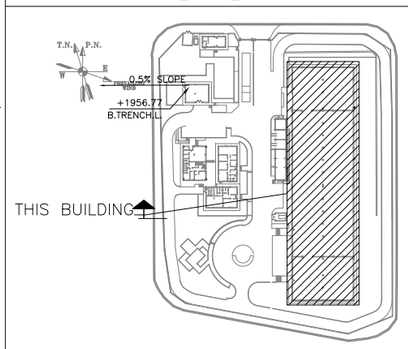
REFERENCE DRAWINGS	DWG. No.
GENERAL LAYOUT	1657-RN-D-0-CVDW-006
LANDSCAPING PLAN	1657-RN-D-0-CVDW-009
ARCHITECTURAL DRAWING	16457-PR-D-0-ARDW-002

NOTES

1. ±0.00=----
2. ALL DIMENSIONS ARE IN MILIMETERS UNLESS OTHERWISE NOTED.
3. ALL ELEVATIONS ARE IN METERS UNLESS OTHERWISE NOTED.
4. ALL WELDING SYMBOLS ARE BASED ON AWS-A2.4.
5. IN CASE OF ANY DEVIATION OBSERVED AT SITE REGARDING SOIL CONDITIONS COMPARED TO CONDITIONS STATED IN "GEOTECHNICAL INVESTIGATION REPORT ", CONTRACTOR SHALL INFORM CLIENT REPRESENTATIVE ON SITE BEFORE ANY FURTHER ACTION.
6. SOIL LAYERS UNDER THE FOUNDATION SHALL BE REPLACED WITH LEAN CONCRETE OR APPROVED BACKFILL WHERE:
   - WEATHERED, ORGANIC OR POOR SOIL LAYER IS ENCOUNTERED OR
   - WHERE BOTTOM OF FOUNDATION IS NOT PLACED ON COMPACTED NATURAL SOIL LEVEL OR
   - WHERE SOIL CONDITION ENCOUNTERED IS OTHER THAN WHAT IS SPECIFIED IN "GEOTECHNICAL INVESTIGATION REPORT"
7. COMPRESSIVE STRENGTH OF STANDARD CYLINDRICAL CONCRETE SPECIMENS SHALL BE 250 kg/cm2 DAYS, (f'c=250 kg/cm2)
8. STEEL REINFORCEMENT SHALL BE A-III TYPE WITH MINIMUM YIELD STRENGTH OF 4000 kg/cm MINIMUM ULTIMATE STRENGTH OF 6000 kg/cm
9. STRUCTURAL STEEL SHALL BE R-ST37 WITH MINIMUM YIELD STRENGTH OF 2400kg/cm ULTIMATE STRENGTH OF 3700kg/cm
10. REINFORCEMENT SHALL BE FREE FROM DENTS, RUST, OIL AND DIRT BEFORE PLACEMENT.
11. WHERE PARALLEL REINFORCEMENT IS PLACED IN TWO OR MORE LAYERS, THE BARS IN THE UPPER LAYERS SHALL BE PLACED DIRECTLY ABOVE THOSE IN THE BOTTOM LAYER WITH THE DISTANCE SPECIFIED ON THE DRAWINGS.
12. ALL CONCRETE WORKS SHALL MEET THE REQUIREMENTS SPECIFIED IN SPECIFICATION FOR CONCRETE WORKS TOGETHER WITH CHAPTER 9 OF IRAN'S NATIONAL BUILDING REGULATIONS (LATEST REVISION).
13. ALL INSERTS, SLEEVES AND EMBEDDED ITEMS IN CONCRETE SHALL BE CHECKED WITH RELEVANT MECHANICAL, ARCHITECTURAL AND ELECTRICAL DRAWINGS.
14. CLEAR REINFORCING COVERS ARE 75mm FOR FOUNDATIONS, 50mm FOR BEAMS, COLUMNS & WALLS AND 35mm FOR SLABS.
15. ALL REBARS SHALL BE BENT COLD.
16. CONCRETE SHALL BE POURED IN ONE CONTINUOUS OPERATION BETWEEN PRE-ESTABLISHED CONSTRUCTION JOINTS ACCORDING TO FORMWORK DRAWINGS.
17. CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THE FORMWORK DRAWINGS ARE NOT PERMITTED.
18. FOR CONSTRUCTION JOINTS:
   - CONCRETE SURFACES SHOULD BE CLEANED AND REMOVED FROM ADDITIONAL HIDEBOUND SLUSH.
   - OLD CONCRETE SURFACES SHOULD BE SERRATED AND LOOSE MATERIAL SHOULD BE REMOVED.
   - IMMEDIATELY BEFORE CONCRETING, ALL CONSTRUCTION JOINTS SURFACES, SHOULD BE DROWNED AND ADDITIONAL WATER SHOULD BE DRAINED.
19. JOINT FILLER SHALL CONFORM TO ASTM-D1752 OR ASTM-D1056.
20. WATER STOP SHALL CONFORM TO ISIRI-13277.
21. JOINT SEALANT SHALL CONFORM TO ASTM-D2240 AND ASTM-C719.
22. ALL JOINT SEALANT SHALL BE APPROVED BY THE OWNER REPRESENTATIVE.
23. AFTER COMPLETION OF CONCRETE WORKS AND BEFORE ANY BACKFILL, ALL SURFACES OF CONCRETE WORKS IN CONTACT WITH SOIL SHALL BE COATED WITH BITUMINOUS PRIMER.
24. THE CEMENT SHALL BE USED TYPE II.
25. ALL PLATE AND PIPE BURIED IN CONCRETE SHALL BE USED PREFABRICATED GALVANAIZED.
26. COMPRESSIVE STRENGTH OF LEAN CONCRETE SHOULD BE 100-150 kg/cm2

LEGEND

KEY PLAN



REV.	DATE	DESCRIPTION	DESIGN	DRAWN	CHECKED	APPROVED
00	2024.03.02	APPROVED FOR CONSTRUCTION	A.GORGIN	S.SADEGHI	A.JALALI	H.NAEINI
00	2024.01.28	ISSUE FOR REVIEW	A.GORGIN	S.SADEGHI	A.JALALI	H.NAEINI

Client:

Consultant & Contractor: PARMAN POOYESH CO.

Project:

IRANIAN MINES AND MINING INDUSTRIES DEVELOPMENT AND RENOATION ORGANIZATION
IRAN MINERALS PRODUCTION AND SUPPLY CO

ALIGOODARZ CALCIUM CARBONATE PAPER PRODUCTION PLANT PROJECT

Document TITLE:

TRENCH LAYOUT PLAN AND DETAILS

	DOCUMENT NUMBER	REV.	DATE	SIZE	SCALE	SHEET NO.
CLIENT	16457-PR-D-0-STDW-004	01	2024.02.03	A1	1/100	1 OF 05
CONTRACTOR/VENDOR						