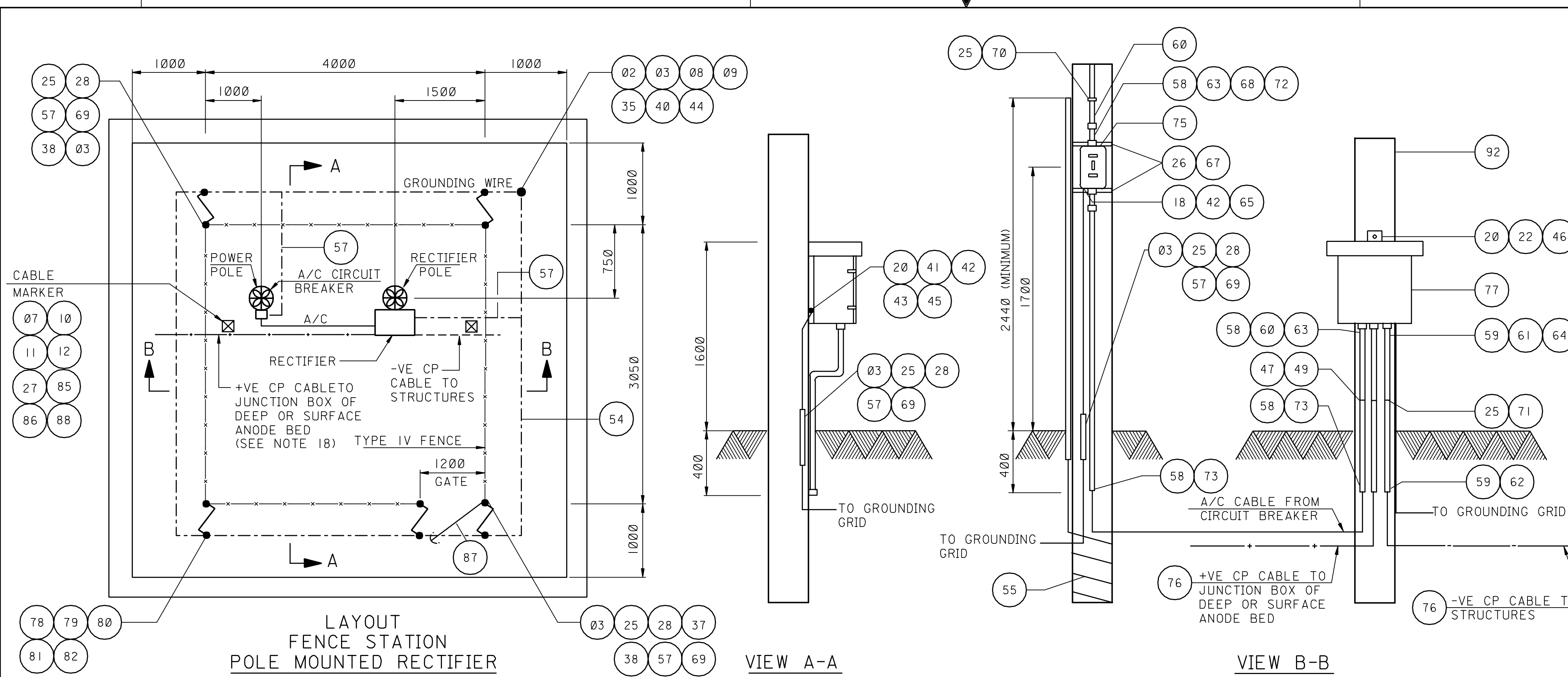
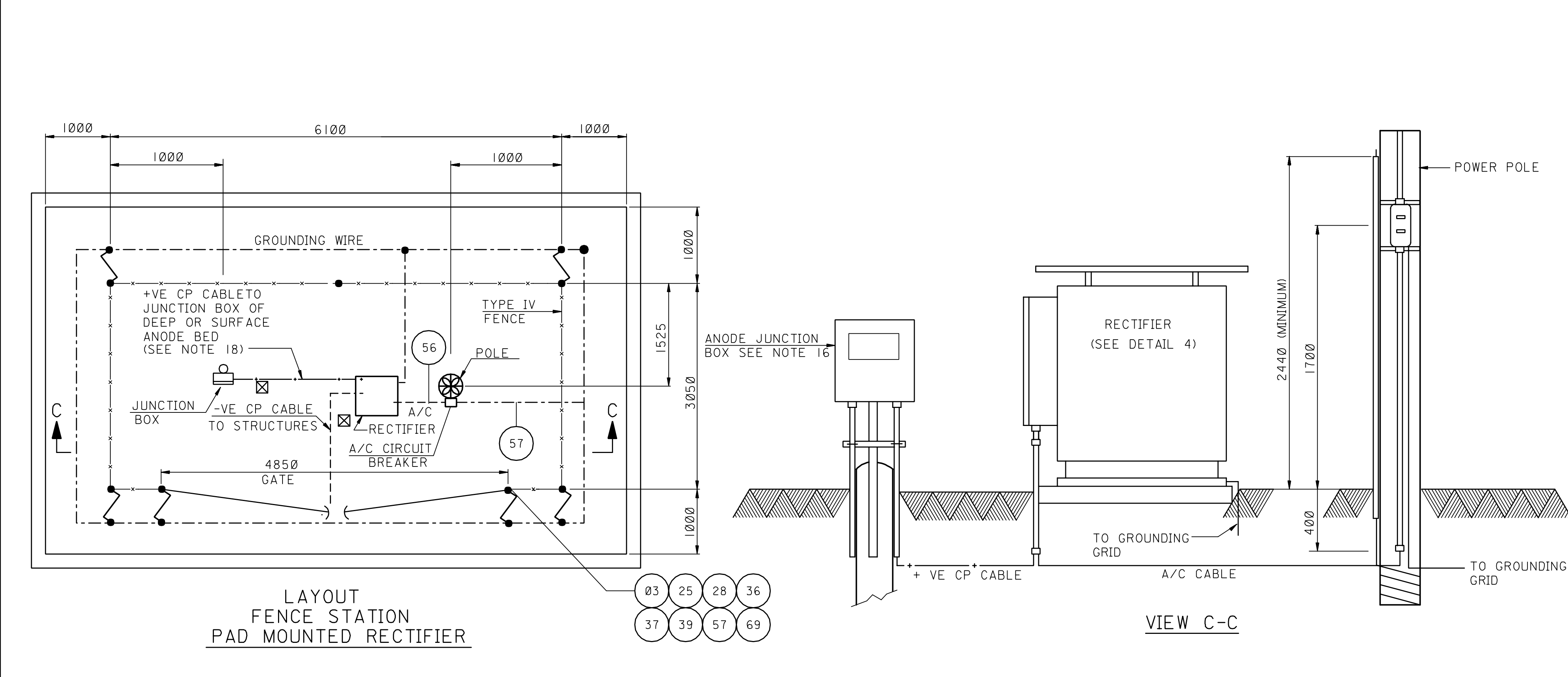




LAYOUT
FENCE STATION
POLE MOUNTED RECTIFIER

VIEW A-A

VIEW B-B



LAYOUT
FENCE STATION
PAD MOUNTED RECTIFIER

VIEW C-C

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- RECTIFIERS SHALL CONFORM TO 17-SAMSS-4 AND 17-SAMSS-5 LATEST REVISION.
- REINFORCED CONCRETE PAD FOUNDATION SHALL BE CONSTRUCTED FOR ALL RECTIFIERS IN ACCORDANCE WITH SAES-Q-001 AND 005.
- THE EXACT DIMENSIONS OF THE RECTIFIER PAD FOUNDATION SHALL BE DETERMINED BASED ON THE RECTIFIER SIZE PRIOR TO FABRICATION.
- ELEVATED STEEL FRAME SHALL BE USED WITH THE RECTIFIER PAD FOUNDATION AT DRIFTING SAND AREAS OR PER OPERATIONAL NEEDS. THE EXACT DIMENSIONS OF THE ELEVATED STEEL FRAME SHALL BE DETERMINED BASED ON THE RECTIFIER SIZE PRIOR TO FABRICATION.
- WHERE 2 OR MORE RECTIFIERS ARE LOCATED TOGETHER, A MINIMUM SEPARATION OF 1 METER BETWEEN RECTIFIER CASES SHALL BE MAINTAINED.
- TYPE-IV FENCES SHALL BE INSTALLED OUTSIDE FENCED AREAS. INSTALLATION SHALL BE IN ACCORDANCE TO STD. DWGS. NO. AE-036884, AC-036677, AA-036678, AB-036679 AND AC-036680.
- SIX (6) INCHES COMPACTED MARL PAD SHALL BE CONSTRUCTED ON GRADED AND COMPACTED SAND. CONCRETE FOOTING AND FOUNDATIONS TO EXTEND THREE (3) INCHES ABOVE MARL PAD.
- GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH SAES-P-III.
- FOR ADDITIONAL DETAILS ON THE GROUNDING OF GATE AND FENCE POSTS, REFER TO LIBRARY DRAWING DD-950022.

(NOTES CONTINUED ON SHEET 002)

REFERENCE DRAWINGS	
DWG. CONTROL FOR J.O.	
INSTALLN DETS DIRECT BURIED CABLE	AA-036675
12 TERMINAL JUNCTION BOX	AA-036275
20 TERMINAL JUNCTION BOX	AA-036347
MUNTG SUPP DETS FOR JUNCTN BOXES	AA-036540
SECURITY & GEN PURPOSE FENCING	AA-036677
SECURITY & GEN PURPOSE FENCING POST AND FABRIC DETAILS	AA-036678
SECURITY & GEN PURPOSE FENCING GATE DETAILS	AB-036679
SECURITY & GEN PURPOSE FENCING FOOTING DETAILS	AC-036680
LIST OF MATERIALS FOR SAUDI ARAMCO TYPE IV FENCING	AE-036884

SCALE: NONE

REVISION VALIDATION				
THIS REVISION NO. IS COVERED, FOR ALL APPROVAL AND CERTIFICATION REQUIREMENTS, PER SAEP-334, UNDER DRAWING COMPLETION CERTIFICATE NO: 714120-0104-02				
DESIGN CERTIFICATION (DESIGN AGENCY)	REVIEW FOR KEY DRAWINGS (SAUDI ARAMCO)	OTHER		
ENG. DATE: MAA/AAU APR04	CERTIFIED BY/DATE: HJZ/APR04	CONST. AGENCY/DATE	OPERATIONS/DATE	BY/DATE
REV. NO. DATE: 05 JAN04	REVISION DESCRIPTION: REDRAWN AND REVISED			
JOB ORDER/EWO NO.		THIS REVISION IS NOT TO BE USED FOR CONSTRUCTION UNTIL CERTIFIED AND DATED		

SAUDI ARABIAN OIL COMPANY

CATHODIC PROTECTION

ONSHORE RECTIFIER INSTALLATION DETAILS

STD. DWG. SAUDI ARABIA

PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	X	AB-036378	001	05

Saudi Aramco 2634 ENG. (09/03)
CADD-04