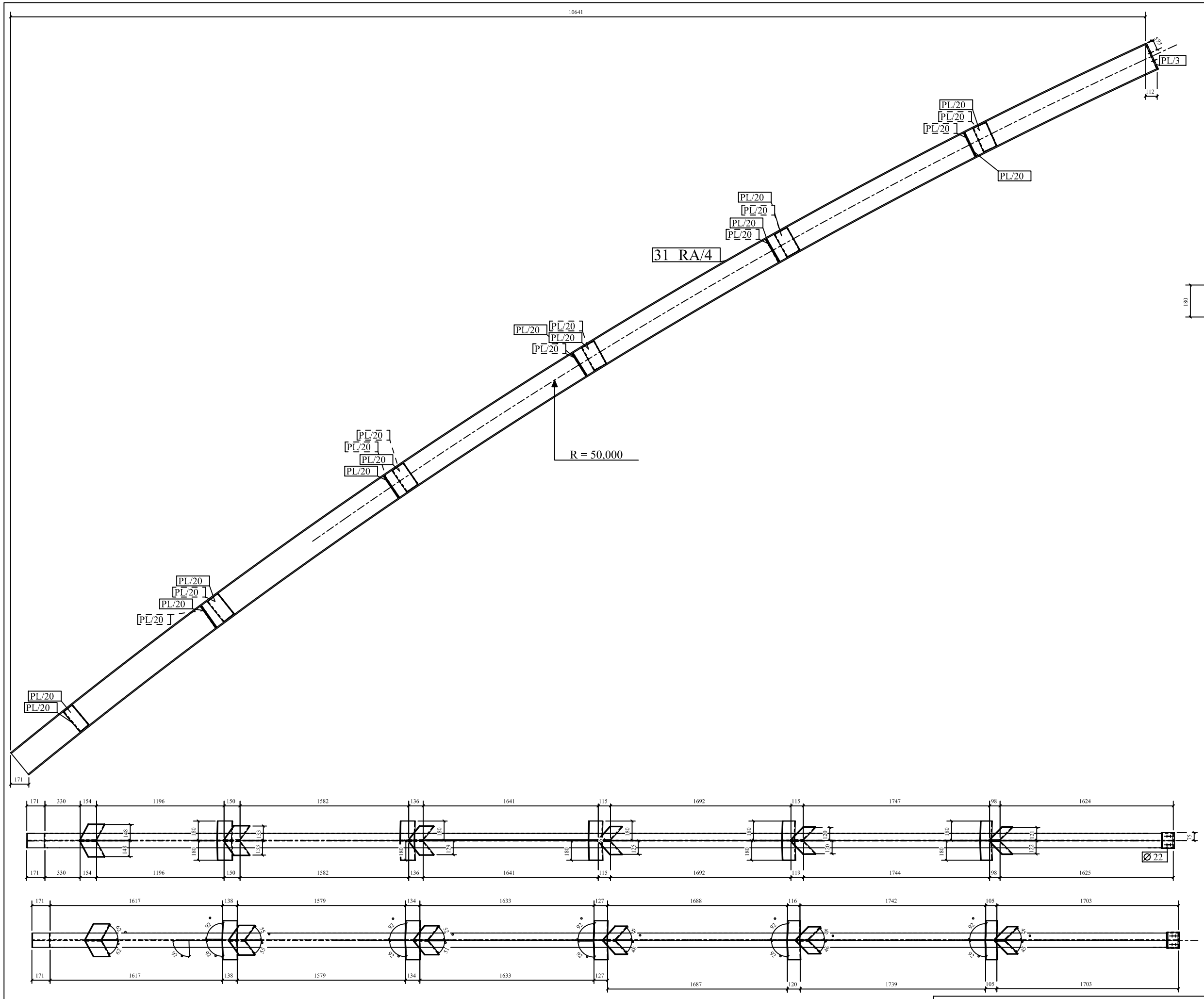
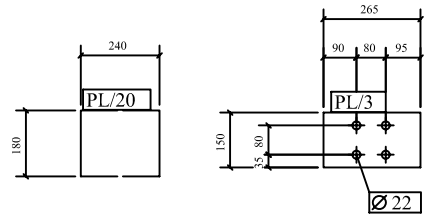
BOLT LIST FOR ASSEMBLY	RA/4	10	No. Required
Diam	Grade	Length	No.
20		55	4
(Total bolt one assembly X no of assembly)		Total	40





MATERIAL LIST FOR ONE ASSEMBLY MARKED				RA/4	10	No. Required
Mark	Size	No.	Length	Area	Weight	Total Area	Total Weight
31	IPE270	1	12547	13.062	452.09	13.062	452.09
PL/3	PL12*150	1	265	0.089	3.744	0.089	3.744
PL/20	PL8*180	22	240	0.093	2.713	2.049	59.685
(Total in one assembly)					Sub Total	15.200	515.52
(Total one assembly X no of assembly)					Total	151.99	5155.2

DISPOSITION:
- NO COMMENT
- COMMENTS AS MARKED. FABRICATION CAN PROCEED ACCORDINGLY. REVISED DOCT TO BE ISSUED AFTER FOR REVIEW OR AS FINAL CERTIFIED. HOWEVER FAGROS WILL CHECK THIS REVISED DOCUMENT FOR PROPER INCORPORATION.
- REJECTED DOCUMENT TO BE REISSUED.
- USE FOR INFORMATION ONLY.

SIGNATURE DATE

THIS REVIEW & COMMENTS DOES NOT ABROGATE THE CONTRACTOR OF THE RESPONSIBILITY FOR THE CORRECT DESIGN, MANUFACTURING AND OPERATION OF EQUIPMENT.

REV	DATE	DESCRIPTION	BY	CHECKED	APPROVED
0	12/04/2005	ISSUED FOR FABRICATION	M.H	LN	M.S.KH

OWNER: NATIONAL PETROCHEMICAL COMPANY
ZAGROS PETROCHEMICAL COMPLEX
شرکت پتروشیمی زاگرس

PROJECT: 4TH METHANOL PLANT

PETROCHEMICAL INDUSTRIES DESIGN & ENGINEERING COMPANY
شرکت طراحی و مهندسی صنایع پتروشیمی

mg engineering Lurgi

TITLE: ROOF STRUCTURE FOR TK-4501 A/B/C
RAFTER RA/4

PROVIDED BY: Sabz Engineering Company شرکت مهندسی سبز

SCALE: SHEET: OF
OWNER PROJECT NO.: 40404777
PEDEC PROJECT NO.: 1175
DRAWING NO.: SEC-PJ073-TK-4501-RA-04
REV. 0