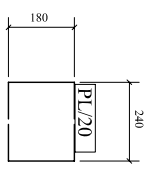
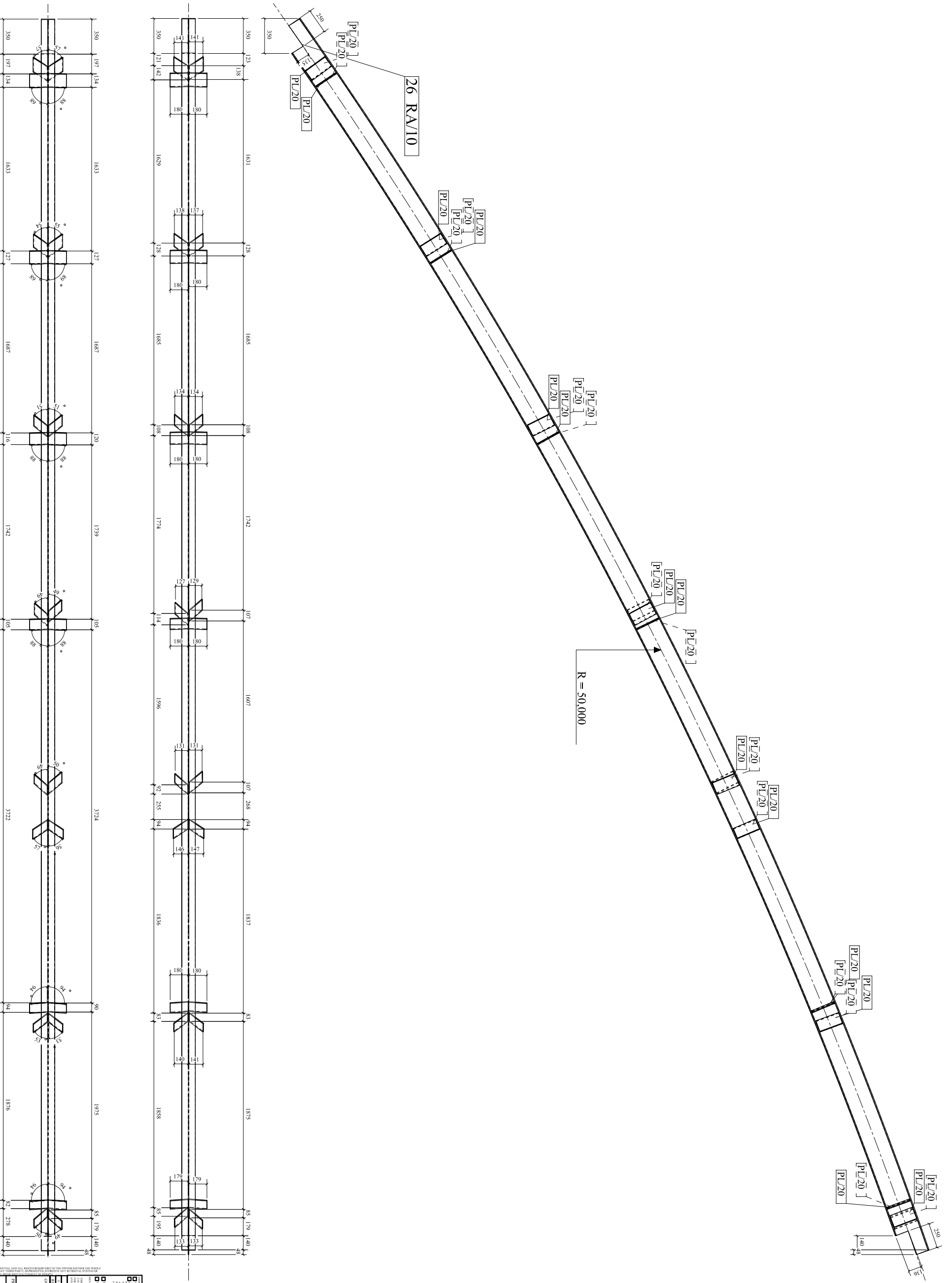


BOLT LIST FOR ASSEMBLY RA/10				
Diarm	Grade	Length	No.	No. Required
(Total bolt one assembly X no of assembly)				0



MATERIAL LIST FOR ONE ASSEMBLY MARKED

Mark	Size	No.	Length	Area	Weight	Total Area	Total Weight
26	IP270	1	1809	14.375	497.56	14.375	497.56
PL/20	PL 8*180	28	240	0.093	2.713	2.607	75.963
(Total in one assembly)					Sub Total	16.983	573.52
(Total one assembly X no of assembly)					Total	169.82	5735.2

REVISIONS

No.	Description	Date

APPROVED

PROJECT: 4TH METHANOL PLANT

CLIENT: NATIONAL PETROCHEMICAL COMPANY
ZAGROS PETROCHEMICAL COMPLEX

DESIGNER: RAFTER

SCALE: RA/10

DATE: 11/5

PROJECT NO.: SEC-P9071-K-4501-4A-10

my engineering

PROFESSIONAL ENGINEER