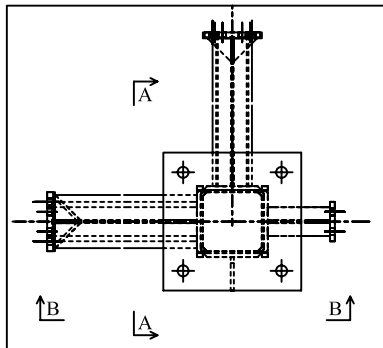
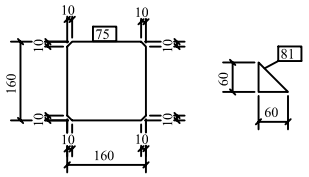
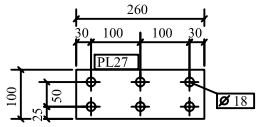
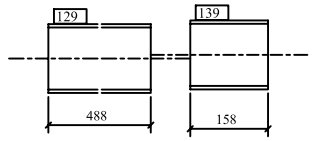
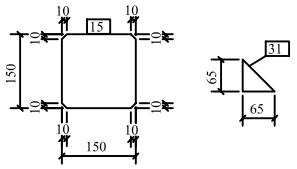
BOLT LIST FOR ASSEMBLY CO1			1 No. Required
Diam	Grade	Length	No.
16		50	12
16		60	8
(Total bolt one assembly X no of assembly)		Total	20

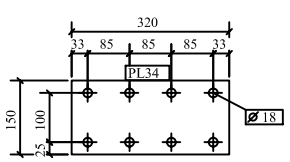


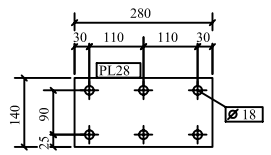


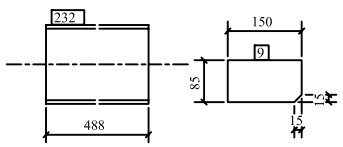


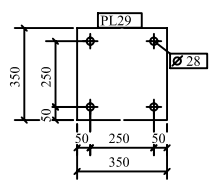


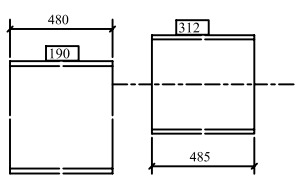


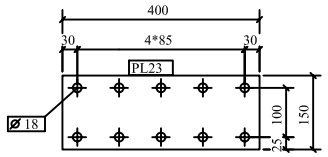


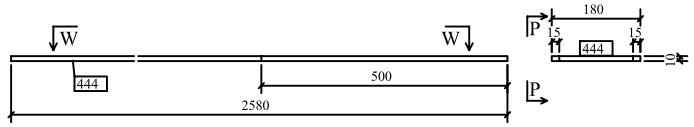




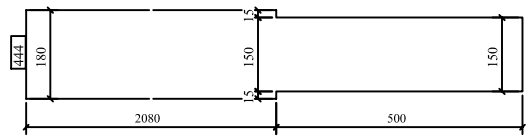






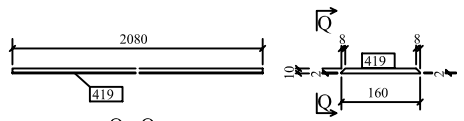


P - P

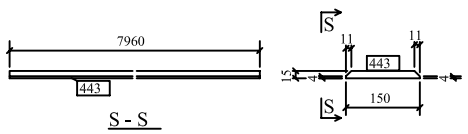


FOR MORE INFORMATION
SEE GENERAL 1

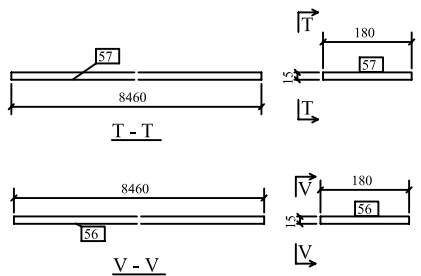
W - W



Q - Q

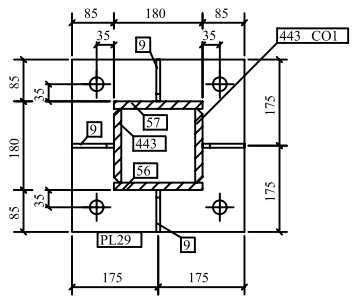


S - S

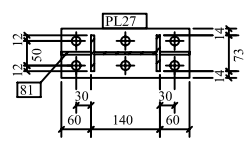


T - T

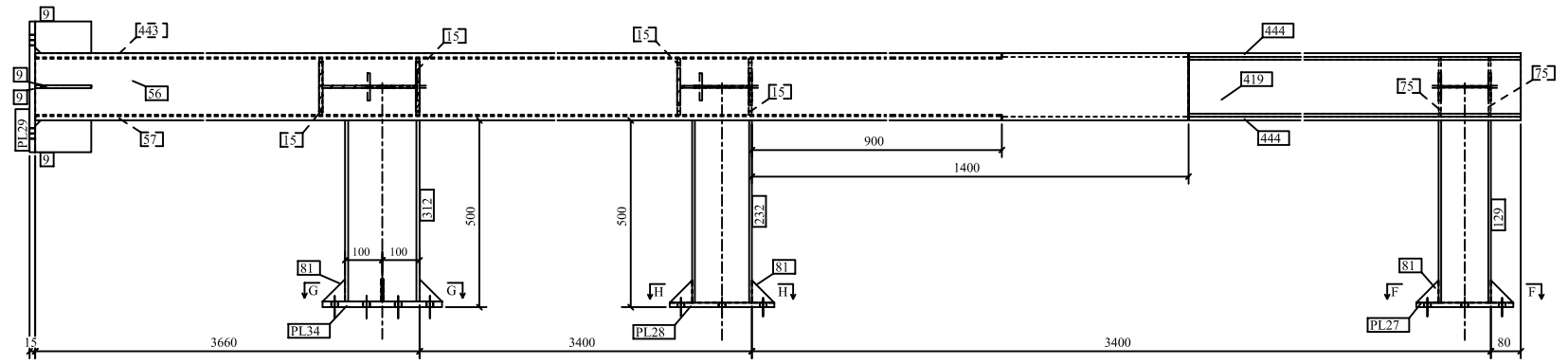
V - V



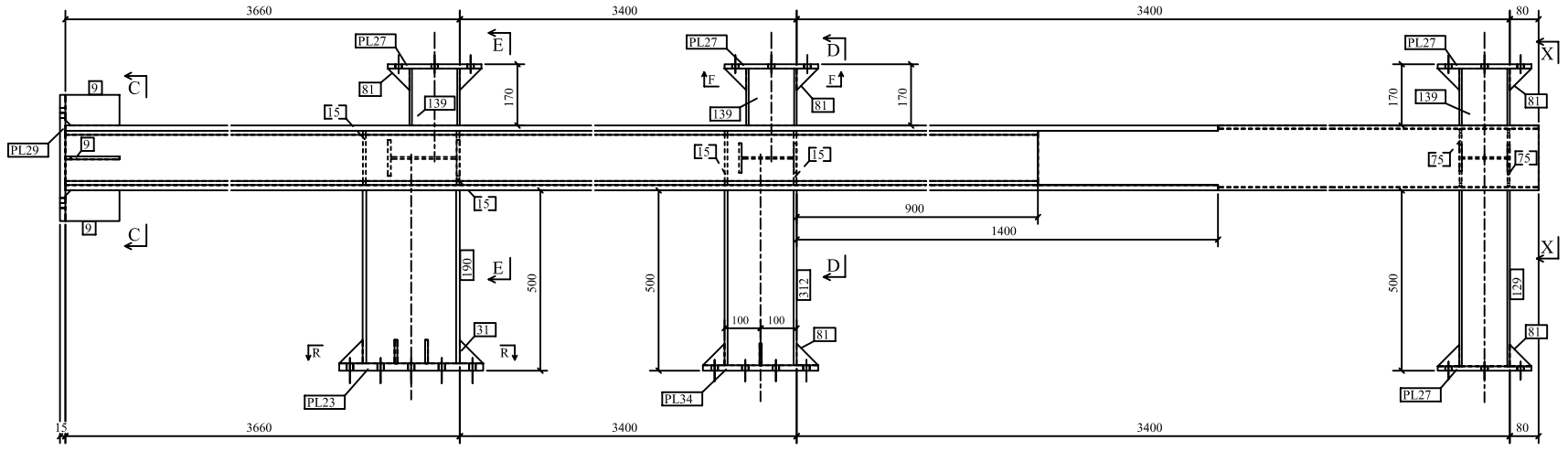
C - C



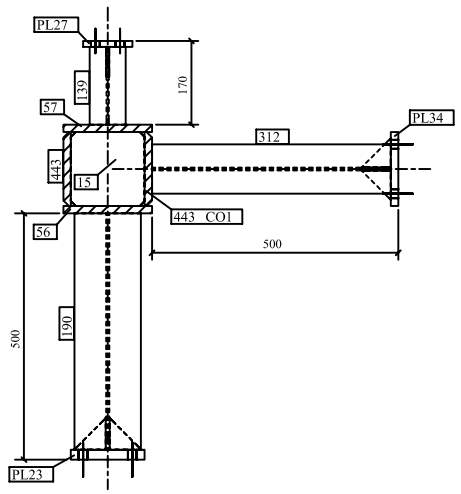
F - F



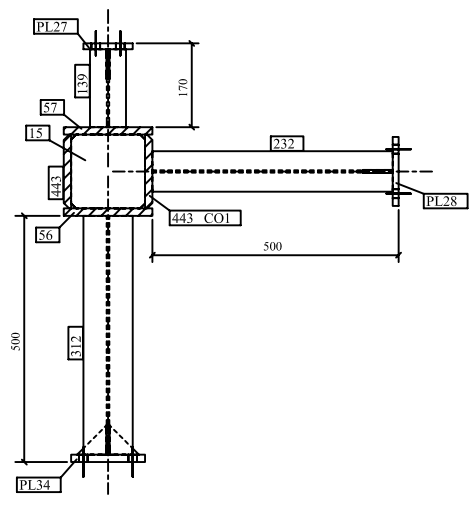
A - A



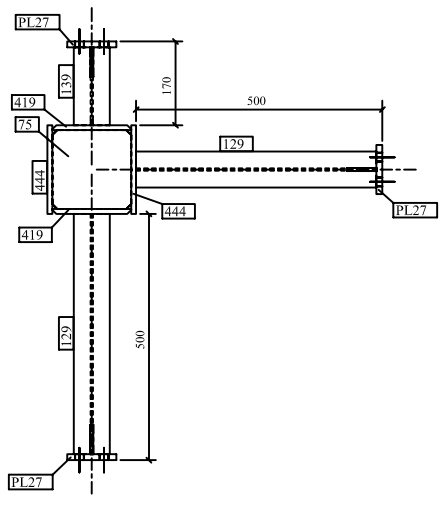
B - B



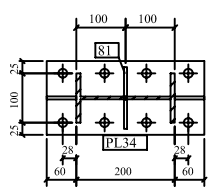
E - E



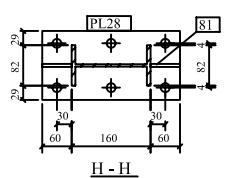
D - D



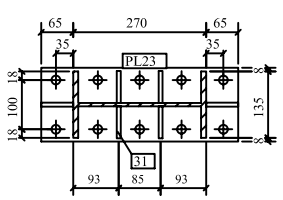
X - X



G - G



H - H



R - R

ALL HOLES ARE $_{0.0}$ mm UNLESS NOTED

MATERIAL LIST FOR ONE ASSEMBLY MARKED				CO1	1	No. Required
Mark	Size	No.	Length	Area	Weight	Total Area	Total Weight
9	PL8*55	4	150	0.029	0.794	0.116	3.175
15	PL8*150	4	150	0.049	1.400	0.197	5.602
31	PL8*65	6	65	0.006	0.133	0.036	0.796
56	PL8460*15	1	180	3.305	179.31	3.305	179.31
57	PL8460*15	1	180	3.305	179.31	3.305	179.31
75	PL6*160	2	160	0.054	1.196	0.109	2.393
81	PL6*60	20	60	0.005	0.085	0.097	1.696
129	IPE140	2	488	0.269	6.283	0.538	12.565
139	IPE140	3	158	0.087	2.034	0.261	6.102
190	IPE270	1	480	0.500	17.295	0.500	17.295
232	IPE160	1	488	0.304	7.696	0.304	7.696
312	IPE200	2	485	0.372	10.851	0.745	21.701
419	PL2080*10	2	160	0.691	25.080	1.382	50.160
443	PL7960*15	2	150	2.528	133.03	5.057	266.06
444	PL2550*10	2	180	0.954	35.278	1.908	70.556
PL23	PL20*150	1	400	0.142	9.420	0.142	9.420
PL27	PL12*100	5	260	0.061	2.449	0.303	12.246
PL28	PL12*140	1	280	0.088	3.693	0.088	3.693
PL29	PL15*350	1	350	0.266	14.424	0.266	14.424
PL34	PL15*150	2	320	0.110	5.652	0.220	11.304
(Total in one assembly)					Sub Total	18.878	875.50
(Total one assembly X no of assembly)					Total	18.878	875.50

REV.	ISSUE DATE	DESCRIPTION	DSN. BY	CHKD. BY	APPR. BY	APPR. BY
1	16/03/2005	GENERALLY REVISED	M.K.	I.N.	M.H.K.	
0	12/03/2005	ISSUED FOR FABRICATION	M.K.	I.N.	M.H.K.	

DISCIPLINE PROJ.

دیلاپس مکونی آقای موسوی و شرکا
ملاحدین کلاسمازندران

AMIR R. MIRSHAMI
STRUCTURAL DESIGN ENGINEER
امیر اسماعیل میر شامی
مهندس سازه‌سنجی

TITLE: COLUMN CO1

DRAWING NO.: SEC-P3072-CO-001-A1

SCALE :

SHEET 1 OF1

PROVIDER: SEC Sobut Engineering Company شرکت مهندسی سبز

VENDOR: