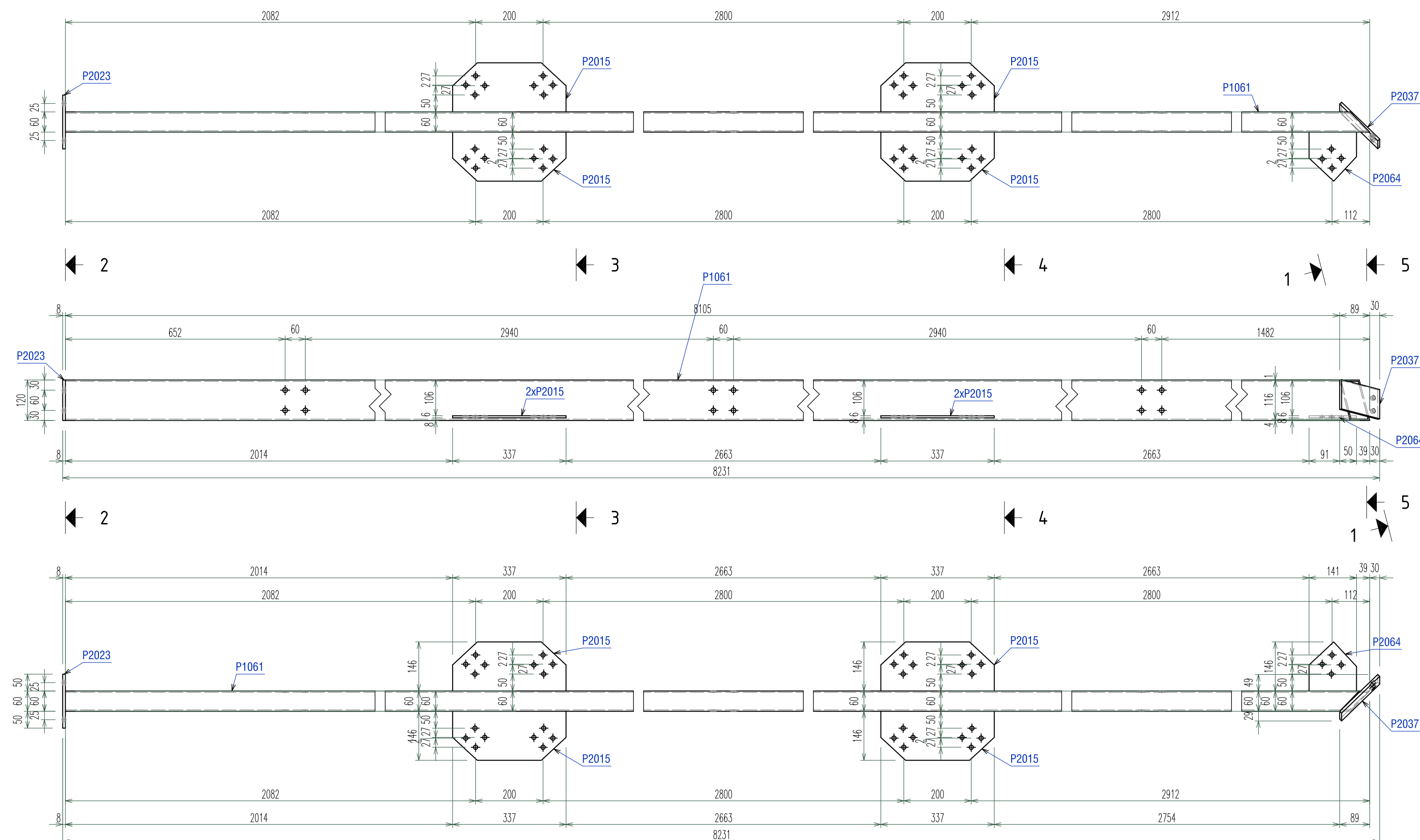


ASSEMBLY: **PA.56** RHS120x60x4
Qty.: 1 pcs.
Scale: 1:10



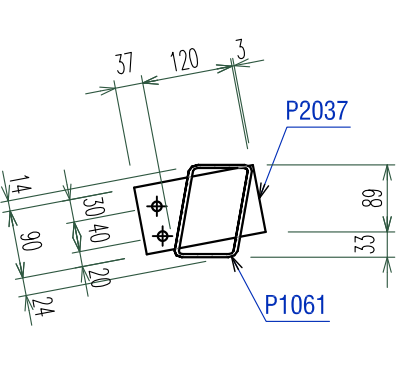
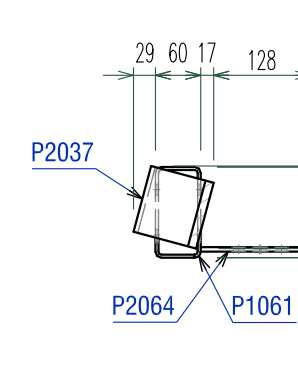
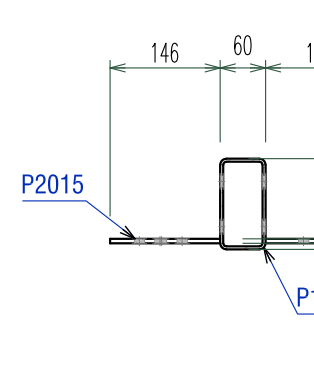
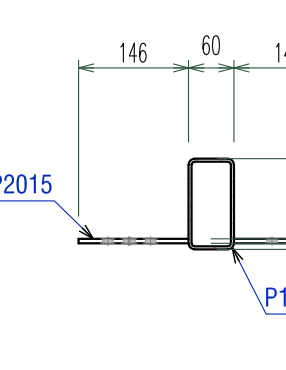
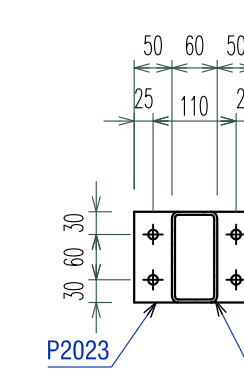
Sect. 2 - 2
Scale 1:10

Sect. 3 - 3
Scale 1:10

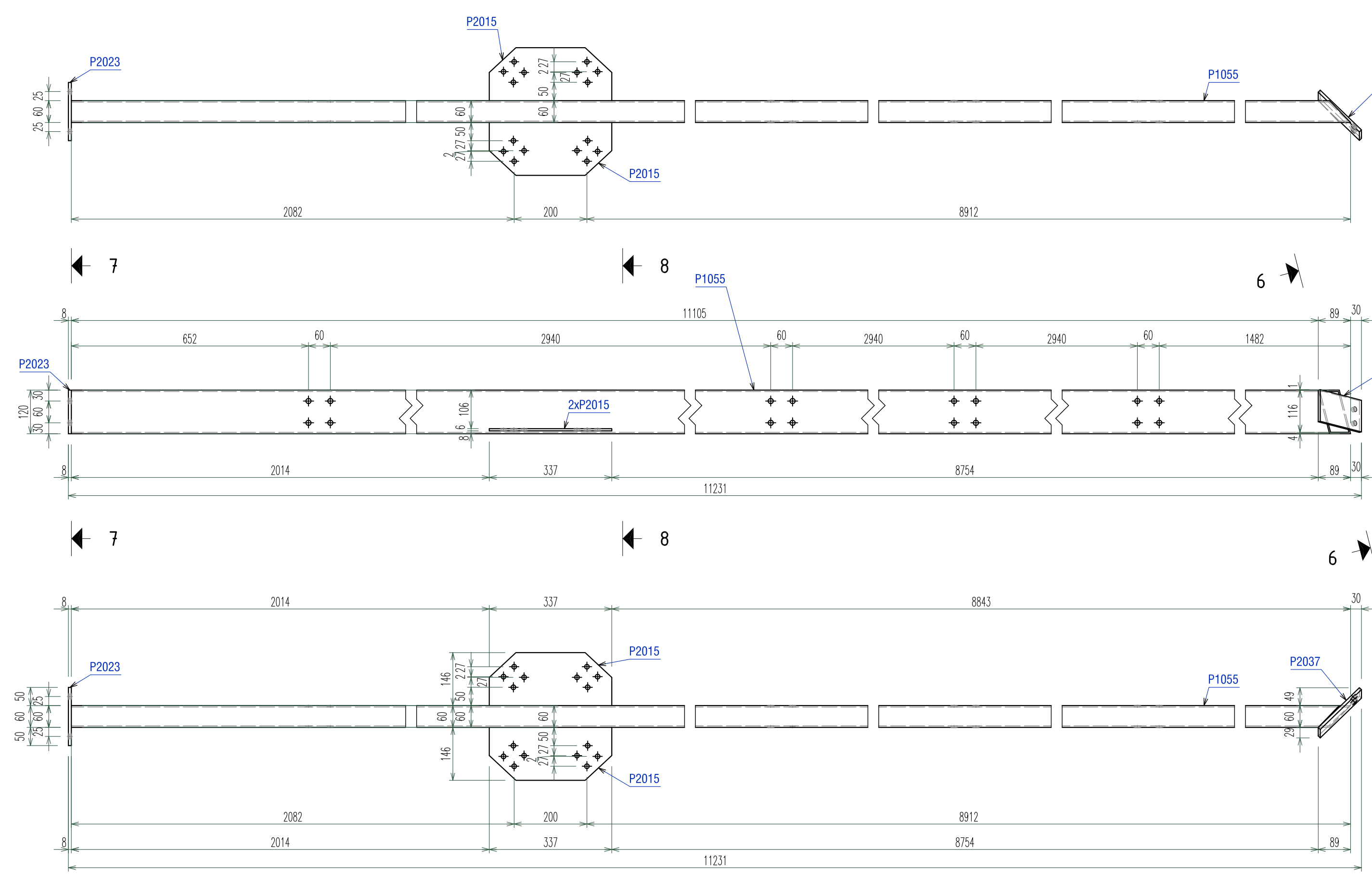
Sect. 4 - 4
Scale 1:10

Sect. 5 - 5
Scale 1:10

Sect. 1 - 1
Scale 1:10



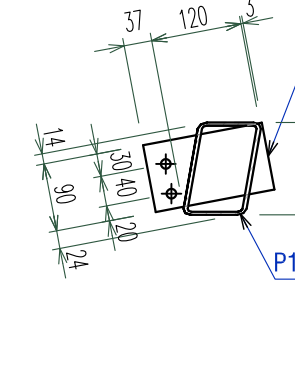
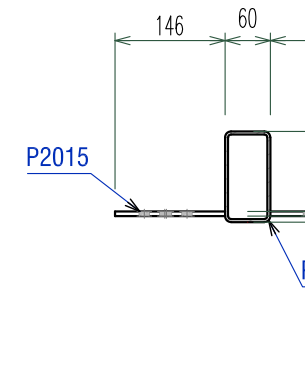
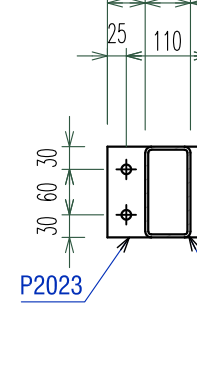
ASSEMBLY: **PA.57** RHS120x60x4
Qty.: 1 pcs.
Scale: 1:10



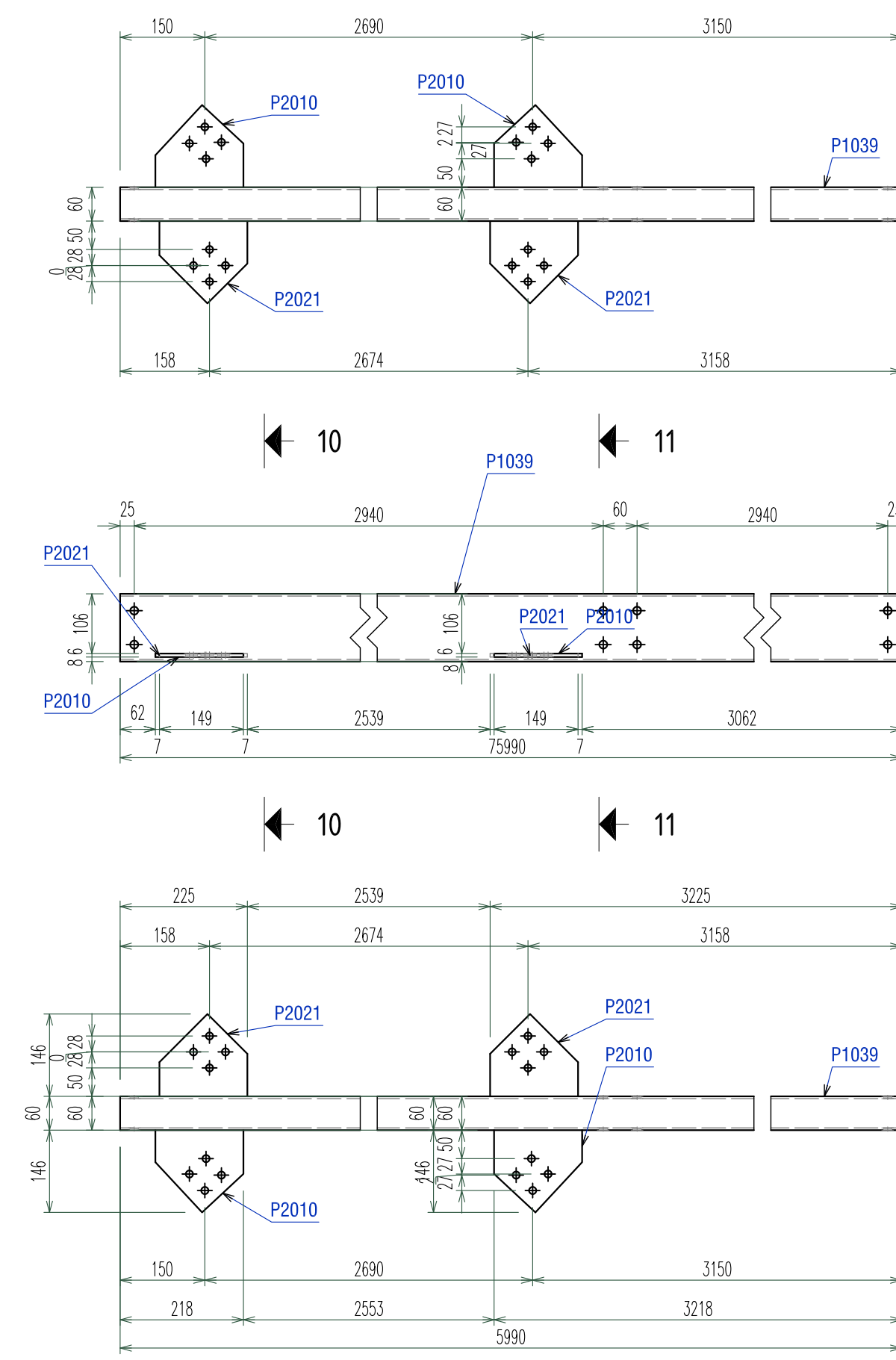
Sect. 7 - 7
Scale 1:10

Sect. 8 - 8
Scale 1:10

Sect. 6 - 6
Scale 1:10

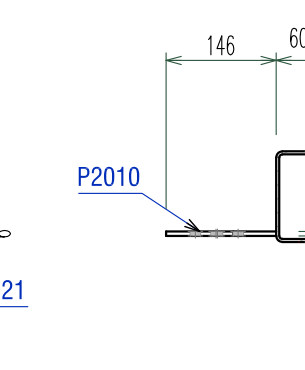
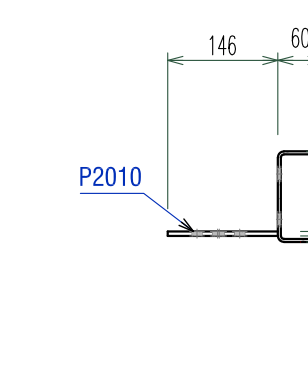


ASSEMBLY: **PA.59** RHS120x60x4
Qty.: 1 pcs.
Scale: 1:10

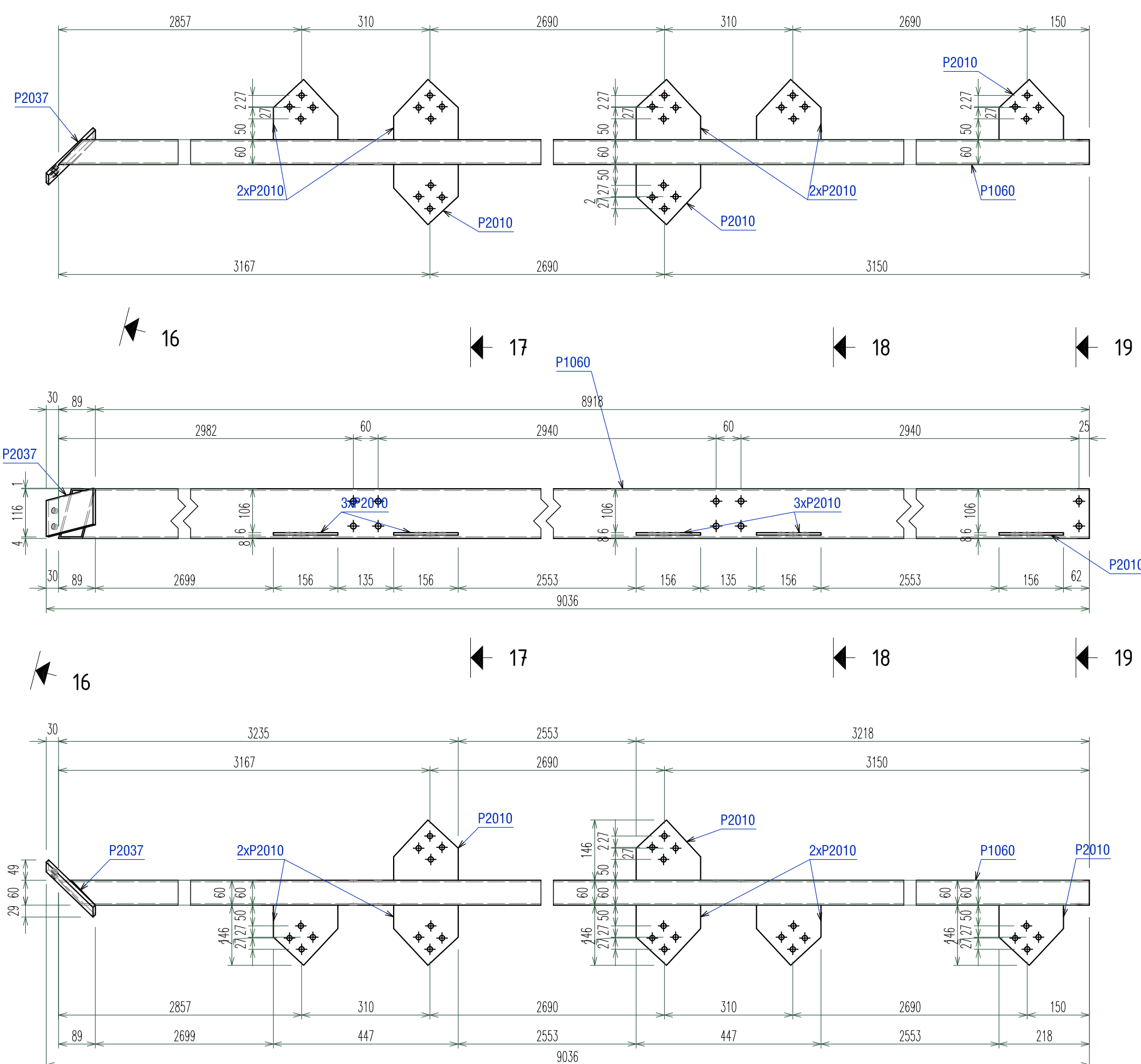


Sect. 10 - 10
Scale 1:10

Sect. 11 - 11
Scale 1:10



ASSEMBLY: **PA.62** RHS120x60x4
Qty.: 1 pcs.
Scale: 1:10

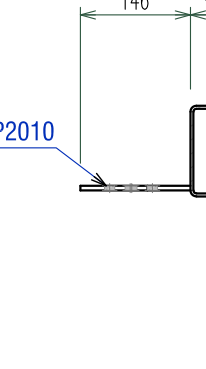
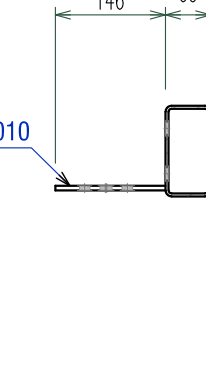
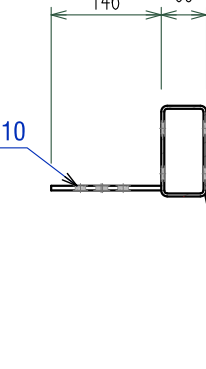
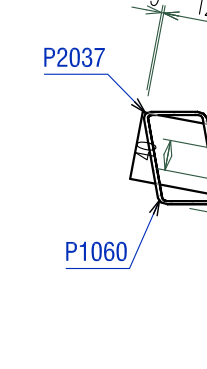


Sect. 16 - 16
Scale 1:10

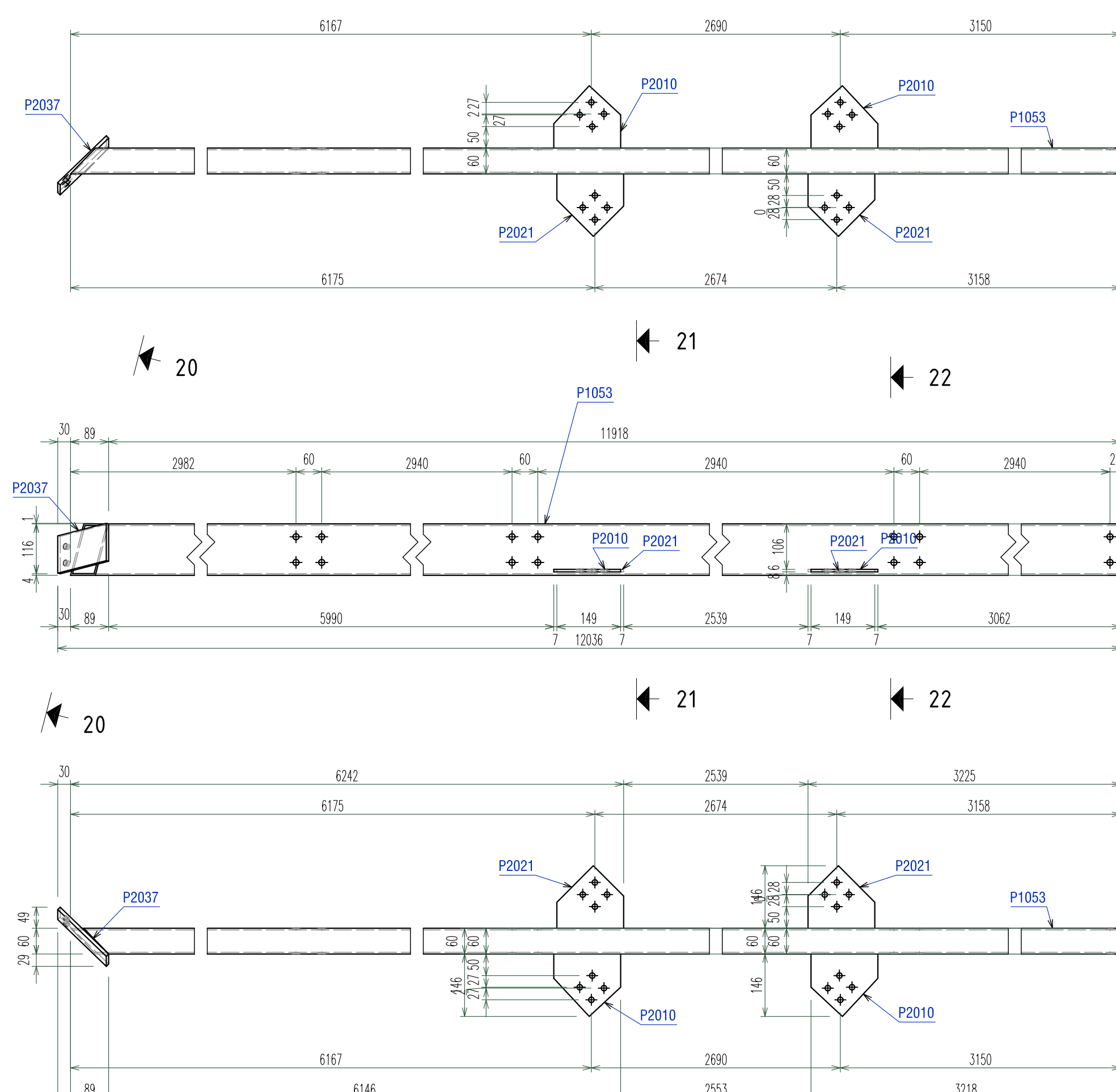
Sect. 17 - 17
Scale 1:10

Sect. 18 - 18
Scale 1:10

Sect. 19 - 19
Scale 1:10



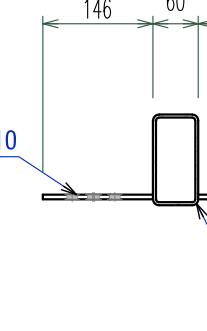
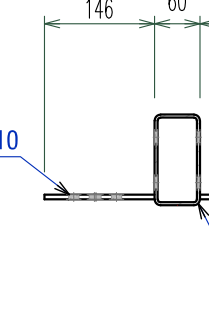
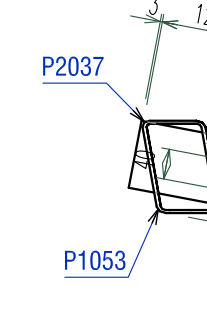
ASSEMBLY: **PA.63** RHS120x60x4
Qty.: 1 pcs.
Scale: 1:10



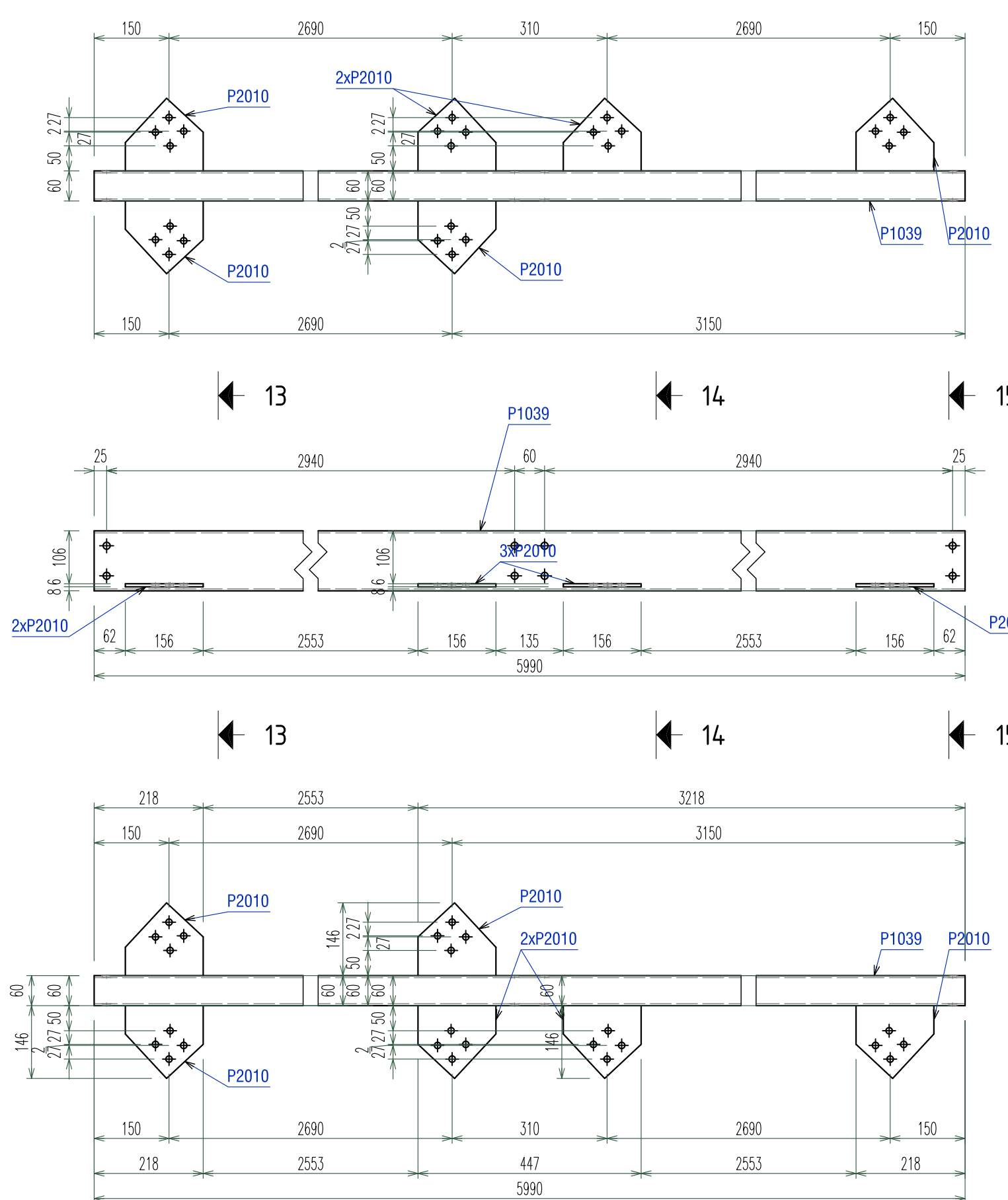
Sect. 20 - 20
Scale 1:10

Sect. 21 - 21
Scale 1:10

Sect. 22 - 22
Scale 1:10



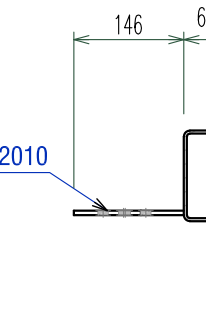
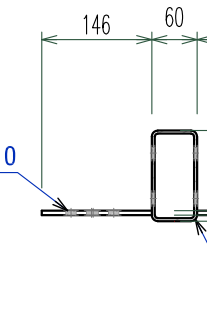
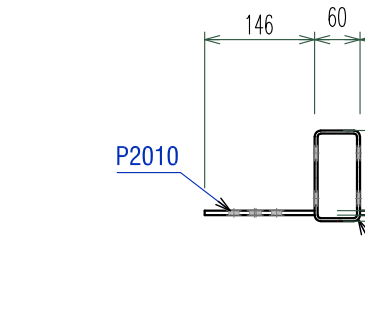
ASSEMBLY: **PA.61** RHS120x60x4
Qty.: 1 pcs.
Scale: 1:10



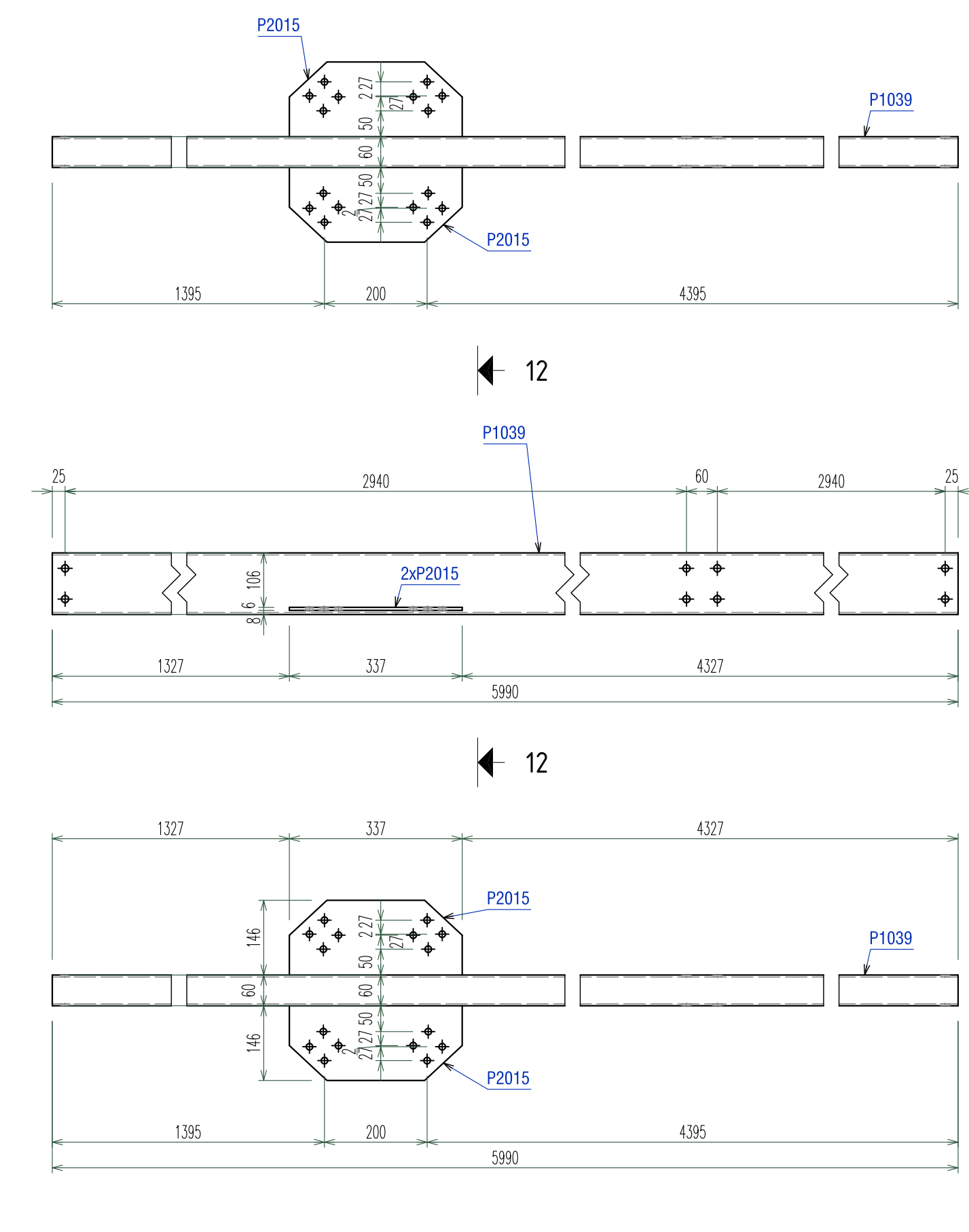
Sect. 13 - 13
Scale 1:10

Sect. 14 - 14
Scale 1:10

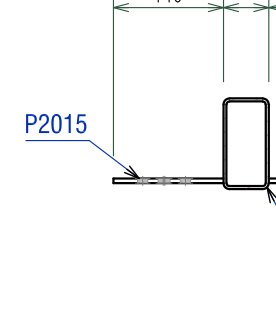
Sect. 15 - 15
Scale 1:10



ASSEMBLY: **PA.60** RHS120x60x4
Qty.: 1 pcs.
Scale: 1:10

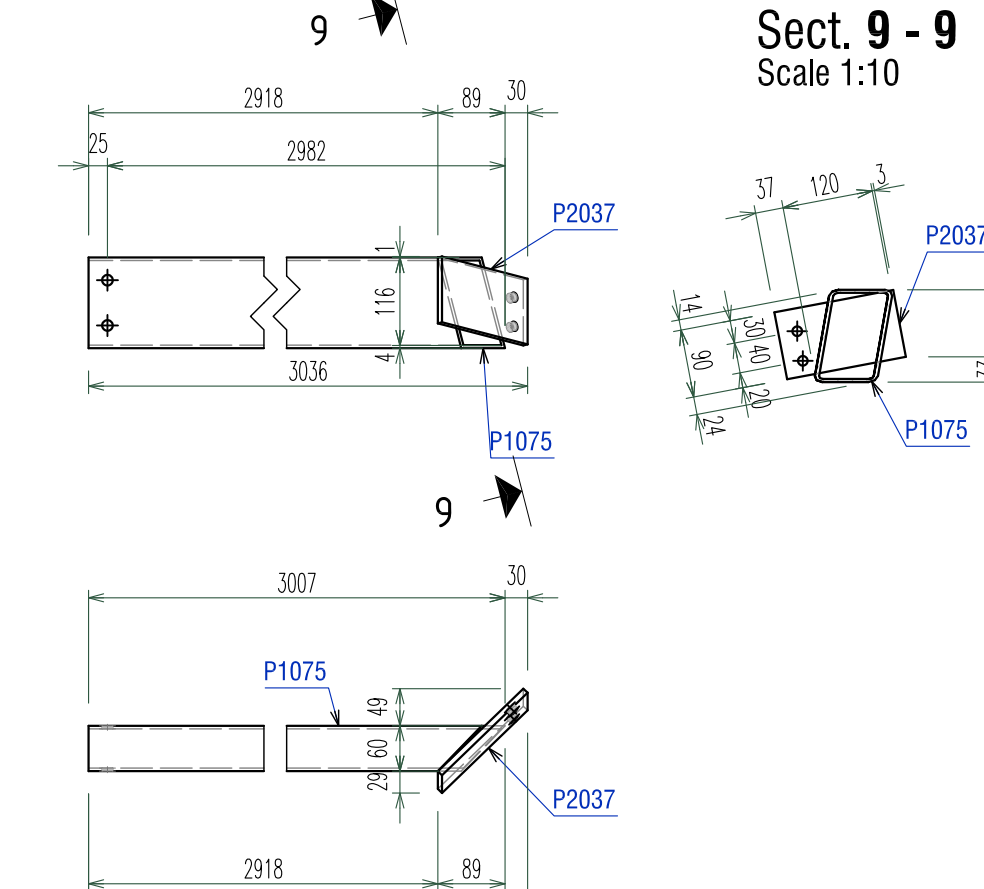


Sect. 12 - 12
Scale 1:10



Mark	Quantity	Description	Length	Grade	Part weight	Total weight
PA.56	1	RHS120x60x4				
P1061	1	RHS120x60x4	8184	S355	86.03	86.03
P2015	4	PL 6x146x337	337	S355	2.07	8.28
P2023	1	PL 6x120x160	160	S355	1.21	1.21
P2037	1	PL 6x90x160	160	S355	0.9	0.9
P2064	1	PL 6x141x146	146	S355	0.73	0.73
		One assembly weight:			97.17	97.17
PA.57	1	RHS120x60x4	11184	S355	117.53	117.53
P1055	1	RHS120x60x4	337	S355	2.07	4.15
P2015	2	PL 6x146x337	337	S355	2.07	4.15
P2023	1	PL 6x120x160	160	S355	1.21	1.21
P2037	1	PL 6x90x160	160	S355	0.9	0.9
		One assembly weight:			123.79	123.79
PA.58	1	RHS120x60x4	3007	S355	31.57	31.57
P1075	1	RHS120x60x4	160	S355	0.9	0.9
P2037	1	PL 6x90x160	160	S355	0.9	0.9
		One assembly weight:			32.47	32.47
PA.59	1	RHS120x60x4	5990	S355	62.89	62.89
P1039	1	RHS120x60x4	156	S355	0.78	1.56
P2010	2	PL 6x146x156	156	S355	0.78	1.56
		One assembly weight:			66.02	66.02
PA.60	1	RHS120x60x4	5990	S355	62.89	62.89
P1039	1	RHS120x60x4	156	S355	0.78	1.56
P2015	2	PL 6x146x337	337	S355	2.07	4.15
		One assembly weight:			67.04	67.04
PA.61	1	RHS120x60x4	5990	S355	62.89	62.89
P1039	1	RHS120x60x4	156	S355	0.78	1.56
P2010	6	PL 6x146x156	156	S355	0.78	4.67
		One assembly weight:			67.57	67.57
PA.62	1	RHS120x60x4	9007	S355	94.57	94.57
P1060	1	RHS120x60x4	160	S355	0.9	0.9
P2037	1	PL 6x90x160	160	S355	0.78	1.56
P2010	7	PL 6x146x156	156	S355	0.78	5.43
		One assembly weight:			100.92	100.92
PA.63	1	RHS120x60x4	12007	S355	126.07	126.07
P1053	1	RHS120x60x4	160	S355	0.9	0.9
P2037	1	PL 6x90x160	160	S355	0.78	1.56
P2021	2	PL 6x146x156	156	S355	0.78	1.56
P2010	2	PL 6x146x156	156	S355	0.78	1.56
		One assembly weight:			130.00	130.00
		Combined Total				685.07

ASSEMBLY: **PA.58** RHS120x60x4
Qty.: 1 pcs.
Scale: 1:10



Sect. 9 - 9
Scale 1:10

- NOTE CONFECTIE METALICA**
- Controlul tehnice de calitate vor respecta prevederile SR EN 1090-2. Executarea structurilor din otel si aluminiu. Partea 2: Contine tehnice pentru structuri de otel. Clasa de executie a structurilor metalice este S355.
 - Tolerantele la executie in cadrul a elementelor cu dimensiuni $L \le 5.00m - 0.50mm$ si $L > 5.00m - 1.00mm$.
 - Nivelul de acceptare pentru defectele sudate este "B" pentru cordoanele de sudura in adancime si "C" pentru cordoanele de sudura in relief, in conformitate cu normativul C160-1999.
 - Daca nu se specifica altfel in desene sudurile se vor executa cu grosimea egală cu 0.75 \times unde t_{min} reprezinta grosimea minima a elementelor care se sudaza, pe toata lungimea de contact a acestora.
 - Placile de capet se vor realiza cu sudura in adancime in K cu patrunere totala sau cu sudura in V cu redansuri radiale.
 - In cazul de control vizual se va face obligatoriu presamplarea topografic si se vor verifica dimensiunile ansamblului. Orice neconformitate de date sau de calitate va fi semnalata proiectantului. Constructorul este direct responsabil pentru asigurarea stabilitatii structurii pe durata montajului acesteia.
 - Toate cotele sunt date in mm, cu exceptia cotelor de relief care sunt date in m.
 - Protectia anticoroziva a structurilor metalice: cl. GP 121/1-2013. Clasa de coroziune: C2 - slab.
 - Pentru structuri deschise amplasate la nivelul expozitiei proiectantului se recomanda incalzirea termica. In cazul structurilor inchise termic, in elementele inchise se prevad obligatoriu grăuri de ventilare.

MATERIALE CONFECTIE METALICA / STEEL STRUCTURE MATERIALS:

TELEMET:	MATERIA:	STANDARD:
TITEL LAMINAT STRUCTURA METALICA	S355JR (W) / S355JRH (W)	SR EN 10025, SR EN 10210, SR EN 10210-2
Structura otel	S355GD (W) / S355GD (W)	SR EN 10162
ORGANE DE ASAMBLARE	DR 10.9 / cotari otel	SR EN 14399
Alte componente	DR 10.9 / cotari otel	EN ISO 6833
SURUBURI DE ANCHORAJ	S355JR 8.8 / cotari otel	SR EN 10913
Director de proiect	S355JR 8.8 / cotari otel	SR EN 10913

MOMENTE DE STRAGERE PENTRU ORGANELE DE ASAMBLARE

Nr.	Diametrul nominal	Grupa	MOMENT FINAL DE STRAGERE (Nm)	50%-70% DIN MOMENTUL nominal	Nr.	Diametrul nominal	Grupa	MOMENT FINAL DE STRAGERE (Nm)	50%-70% DIN MOMENTUL nominal
1	M12	10.9	100	50-70	5	M24	10.9	800	400-560
2	M16	10.9	250	125-175	6	M27	10.9	1250	625-875
3	M20	10.9	500	250-350	7	M30	10.9	1500	750-1050
4	M22	10.9	450	225-315					

LEGENDA DENUMIRI PROFIL SI TABLE / PROFILES & PLATES NAMES:

RHS, Th, RHO, Th.B, RHSB	- Teava patrată/mecanizată (Square/rectangular hollow section)
FL	- Plămadă (Flat bar)
L, LHP	- Canal (Single profile)
U, UNP, LUPE	- Profil U (Channel profile)
L, LPE, IPI	- Profil I (I profile)
HEA, HEB	- Profil I cu tală later (Wide flange I profile)
C, Z	- Profil C sau Z format la rece (Cold-rolled C or Z profile)
TL, PL	- Tabla groasă (Thick plate)
RD	- Bare din otel rotund (Round bar)

PROIECTANT GENERAL: **PR-EXPERT DESIGN**

PROIECT: **EXTINDEREA PE VERTICALA (MANSDARARE) SI DOTAREA A CLASII SCOLEI GIMNAZIALE MIRON COSTIN SI ADAPTAREA SISTEMULUI DE EDUCATIE LA EVOLUTIA TEHNOLOGICA**

PROIECTANT STRUCTURAL: **ALCO INGINERIE**

RESPONSABILITATE: **ING. COSTA HENACHEA**

PROIECTAT: **ING. COSTA HENACHEA**

DESEINAT: **ING. COSTA HENACHEA**

VERIFICAT: **ING. ION GILGHEA**

SCARA DE REDACTARE: **1:10**

DATA INTRODUCERII: **10/2023**

NUMER PLANSA: **RM-136**