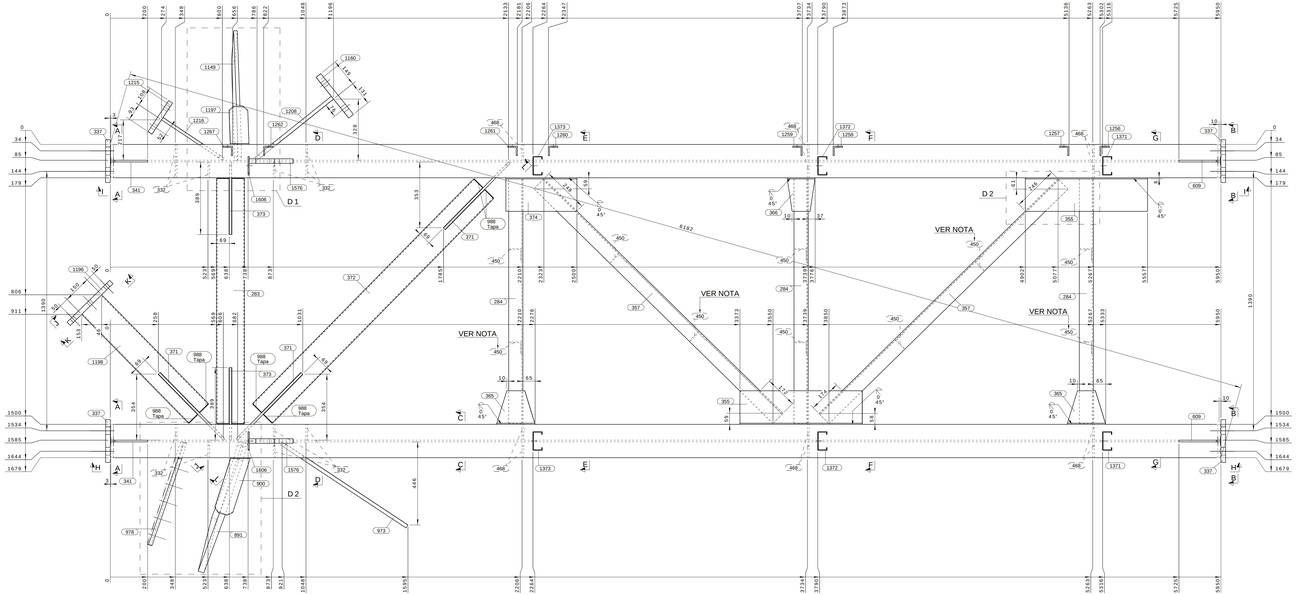
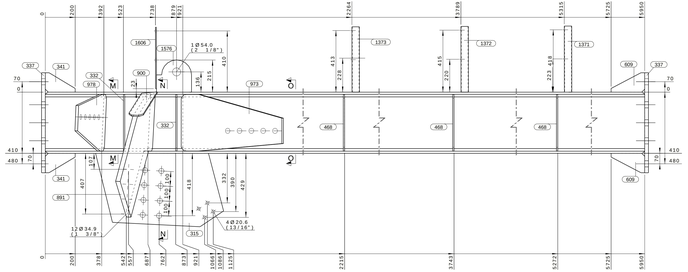
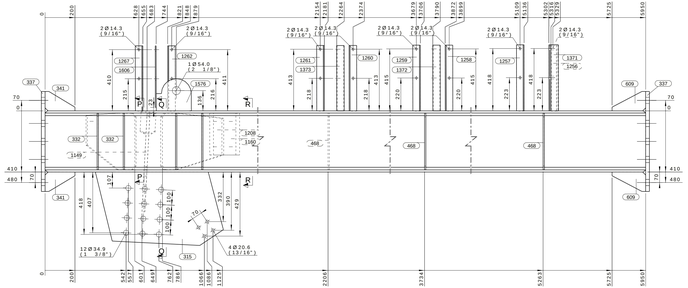


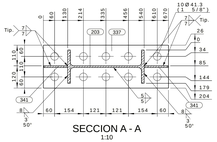
V. FRONTAL
1:10



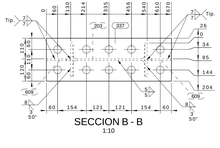
SECCION H - H
1:12.5



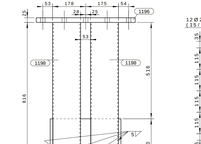
SECCION I - I
1:12.5



SECCION A - A
1:10

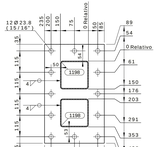


SECCION B - B
1:10

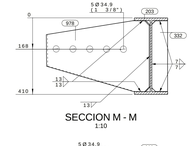


SECCION K - K
1:10

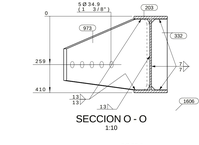
SECCION J - J
1:10



SECCION 1 - 1
1:10

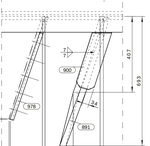


SECCION M - M
1:10

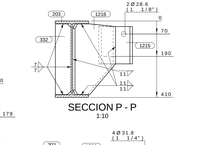


SECCION O - O
1:10

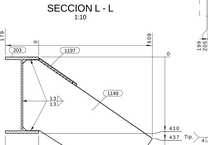
SECCION L - L
1:10



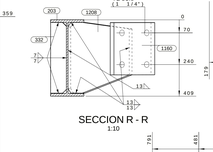
SECCION 2 - 2
1:10



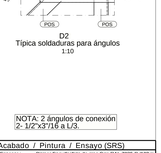
SECCION P - P
1:10



SECCION Q - Q
1:10



SECCION R - R
1:10



D2
Típica soldaduras para ángulos
1:10

NOTA: 2 ángulos de conexión
2- 1/2"x3"/16 a L/3.

PARA 4.5< F <15ngs - 4.5<fw < 15mm

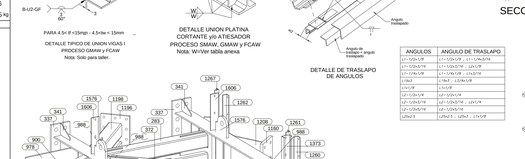
DETALLE TIPICO DE UNION VIGAS I
PROCESO GMAW y FCAW
Nota: Solo para taller.

DETALLE UNION PLATINA
CORTANTE y/o ATIESADOR
PROCESO SMAW, GMAW y FCAW
Nota: W=Ver tabla anexa

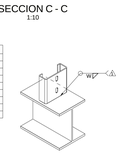
DETALLE DE TRASLAPO
DE ANGULOS

ANGULOS	ANGULO DE TRASLAPO
L1"×1¼×1/8	L1"×1¼×1/8
L1"×1½×5/16	L1"×1½×5/16 - L½"×3"
L1"×1¾×1/8	L1"×1¾×1/8 - L½"×3"
L¾x3	L¾x3 - L½"×3"
L¾×3/8	L¾×3/8
L2"×1½×1/4	L2"×1½×1/4
L2"×1½×5/16	L2"×1½×5/16 - L½"×3"
L2"×1½×3/8	L2"×1½×3/8
L2½x3	L2½x3 - L½"×3" - L½"×3"

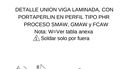
SECCION C - C
1:10



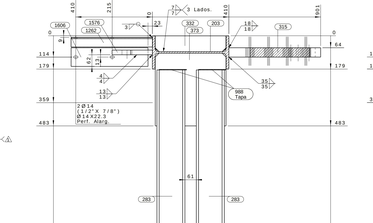
VISTA 3D



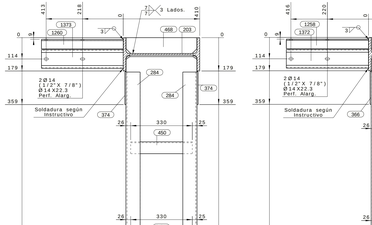
DETALLE UNION VIGA LAMINADA, CON
PORTAPERLIN EN PERFIL TIPO PHR
PROCESO SMAW, GMAW y FCAW
Nota: W=Ver tabla anexa
⚠ Soldar solo por fuera



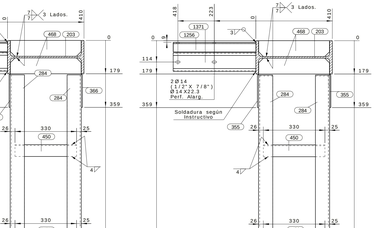
DETALLE UNION ENDPLATE VIGA I
PROCESO SMAW, GMAW y FCAW
Nota: W=Ver tabla anexa
⚠ Soldar primero por dentro
y luego sanear raiz por fuera



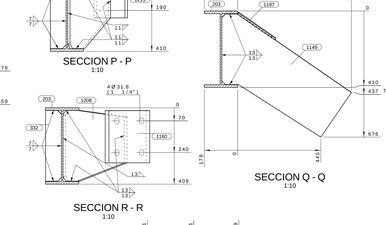
SECCION D - D
1:10



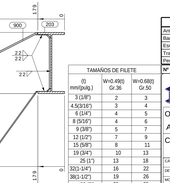
SECCION E - E
1:10



SECCION F - F
1:10



SECCION G - G
1:10



SECCION N - N
1:12.5

LISTA PARTES DE CONJUNTO

Conjunto: S9-22 Cantidad: 1 Long. (mm): 6206

Descripcion: ENSAMBLE DE CERCHA Peso, (Un): 2146.45 kg

PARTE	CUN	CANT	DESCRIPCION	LONG	P. UNIT	P. TOTAL	A. TOTAL	MATERIAL
203	2	2	W16X45	5950	400.78	801.55	17.850	ASTM A572 Gr 50
283	2	2	PTE 150X150X4	1312	24.38	48.77	1.533	ASTM A500 Gr C
284	6	6	L3X1/4	1311	9.56	57.37	2.368	ASTM A572 Gr 50
315	2	2	PL150*492	857	165.42	330.85	1.663	ASTM A572 Gr 50
332	11	11	PL9*85	379	2.28	25.03	0.789	ASTM A572 Gr 50
337	4	4	PL25*230	670	30.24	120.97	1.413	ASTM A572 Gr 50
341	4	4	PL9*130	200	1.84	7.36	0.154	ASTM A572 Gr 50
355	4	4	PL6*180	655	5.55	22.21	0.974	ASTM A572 Gr 50
357	4	4	L3X1/4	1794	13.09	52.34	2.161	ASTM A572 Gr 50
365	4	4	PL6*180	207	1.76	7.02	0.232	ASTM A572 Gr 50
366	2	2	PL6*148	196	1.37	2.74	0.095	ASTM A572 Gr 50
371	3	3	PL12*379	497	17.74	53.21	1.188	ASTM A572 Gr 50
372	2	2	PTE 150X150X4	1688	31.36	62.71	1.971	ASTM A500 Gr C
373	2	2	PL12*379	388	13.90	27.80	0.625	ASTM A572 Gr 50
374	2	2	PL6*180	381	3.23	6.45	0.285	ASTM A572 Gr 50
450	10	10	L2-1/2X3/16	330	1.51	15.05	0.625	ASTM A572 Gr 50
468	11	11	PL9*85	379	2.28	25.03	0.784	ASTM A572 Gr 50
609	4	4	PL9*130	225	2.07	8.28	0.171	ASTM A572 Gr 50
891	1	1	PL32*723	828	150.34	150.34	0.680	ASTM A572 Gr 50
900	1	1	PL9*100	383	2.56	2.56	0.076	ASTM A572 Gr 50
973	1	1	PL19*808	379	45.69	45.69	0.513	ASTM A572 Gr 50
978	1	1	PL19*581	381	33.00	33.00	0.369	ASTM A572 Gr 50
988	20	20	PL3*66	146	0.23	4.50	0.403	ASTM A36 Gr 36
1149	1	1	PL19*348	801	41.62	41.62	0.486	ASTM A572 Gr 50
1160	1	1	PL32*260	280	19.69	19.69	0.193	ASTM A572 Gr 50
1196	1	1	PL25*320	530	33.28	33.28	0.382	ASTM A572 Gr 50
1197	1	1	PL9*100	243	1.72	1.72	0.053	ASTM A572 Gr 50
1198	2	2	PTE 150X150X4	816	15.17	30.34	0.953	ASTM A500 Gr C
1208	1	1	PL19*525	379	29.70	29.70	0.375	ASTM A572 Gr 50
1215	1	1	PL25*200	200	7.85	7.85	0.100	ASTM A572 Gr 50
1216	1	1	PL13*392	379	17.51	17.51	0.272	ASTM A572 Gr 50
1256	1	1	L2X1/4	444	2.11	2.11	0.088	ASTM A572 Gr 50
1257	1	1	L2X1/4	444	2.11	2.11	0.088	ASTM A572 Gr 50
1258	1	1	L2X1/4	442	2.10	2.10	0.087	ASTM A572 Gr 50
1259	1	1	L2X1/4	442	2.10	2.10	0.087	ASTM A572 Gr 50
1260	1	1	L2X1/4	440	2.09	2.09	0.087	ASTM A572 Gr 50
1261	1	1	L2X1/4	440	2.09	2.09	0.087	ASTM A572 Gr 50
1262	1	1	L2X1/4	437	2.08	2.08	0.087	ASTM A572 Gr 50
1267	1	1	L2X1/4	437	2.08	2.08	0.087	ASTM A572 Gr 50
1371	2	2	PHR-C 100X50X3.0	443	2.24	4.48	0.376	ASTM A1011 Gr 50
1372	2	2	PHR-C 100X50X3.0	440	2.23	4.46	0.373	ASTM A1011 Gr 50
1373	2	2	PHR-C 100X50X3.0	439	2.22	4.43	0.371	ASTM A1011 Gr 50
1576	2	2	PL25*216	235	9.96	19.92	0.210	ASTM A572 Gr 50
1606	2	2	PL6*100	412	1.94	3.88	0.177	ASTM A36 Gr 36

PESO TOTAL DEL PLANO = 2146.45kg = 3 % DE SOLDADURAS = 2210.84 kg AREA TOTAL DEL PLANO = 42.142 m2

Acabado / Pintura / Ensayo (SRS)

Anticorrosivo / Espesor	Primer Epoxifosfato de zinc GALMA, 7039 P /100micras
Barrera / Espesor :	NO APLICA m
Esmalte / Espesor :	Esmalte Poliuretano negro RAL 9005 P /75micras
Tratamiento Superficial:	SSPC-SP10
Pertenece al Sistema de Resistencia Sísmica (SRS):	NO

Nº rev.	Descripción de Revisión	Tipo	Fecha	Revisó

TAMAÑOS DE FILETE		
(t) mm(pulg.)	W=0.49(t) Gr.36	W=0.66(t) Gr.50
3 (1/8")	2	3
4.5(3/16")	3	4
6 (1/4")	4	5
8 (5/16")	4	6
9 (3/8")	5	7
12 (1/2")	7	9
15 (5/8")	8	11
19 (3/4")	10	13
25 (1")	13	18
32(1-1/4")	17	22
38(1-1/2")	19	26
50 (2")	25	35
filete sencillo	W= t	
filete doble	W= t/ W= t/	

INHIERRO

OBRA 24032L

Arena Primavera

CONTIENE : ENSAMBLE DE CERCHA

CALCULO	Alexander Salazar	FECHA	18.11.2025
DETALLADO	Alexander Salazar	REVISADO EN	PEM
MODELO	Andres FAJ	ESCALA	INDICADAS
DIBUJO	Jhon Jairo O.	REVISO	REV. NUM.

PLANO N°: 24032LF64 S9-22

Hale Structures