

DAFTAR PUSTAKA

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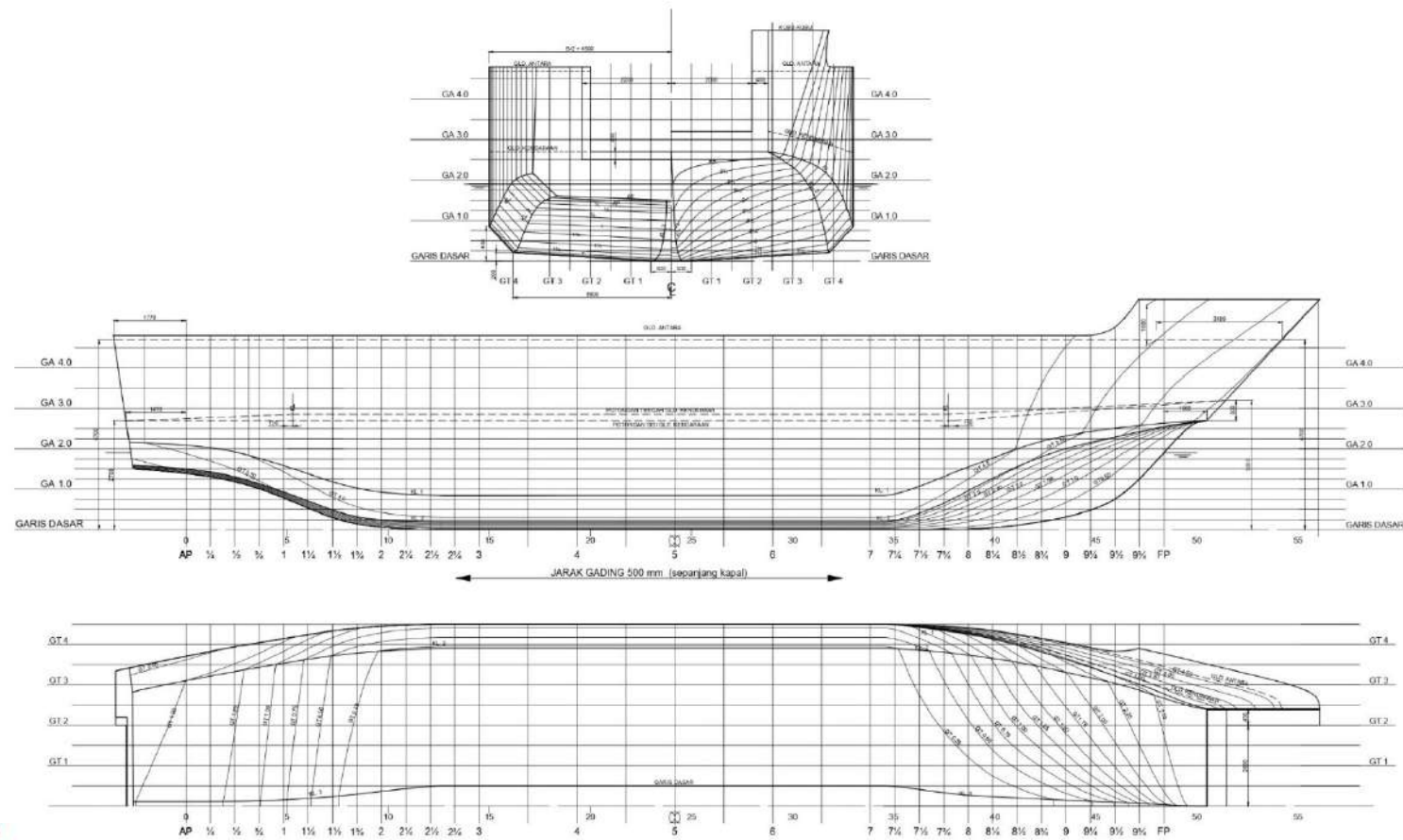


LAMPIRAN



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Lampiran 1 Gambar rencana garis

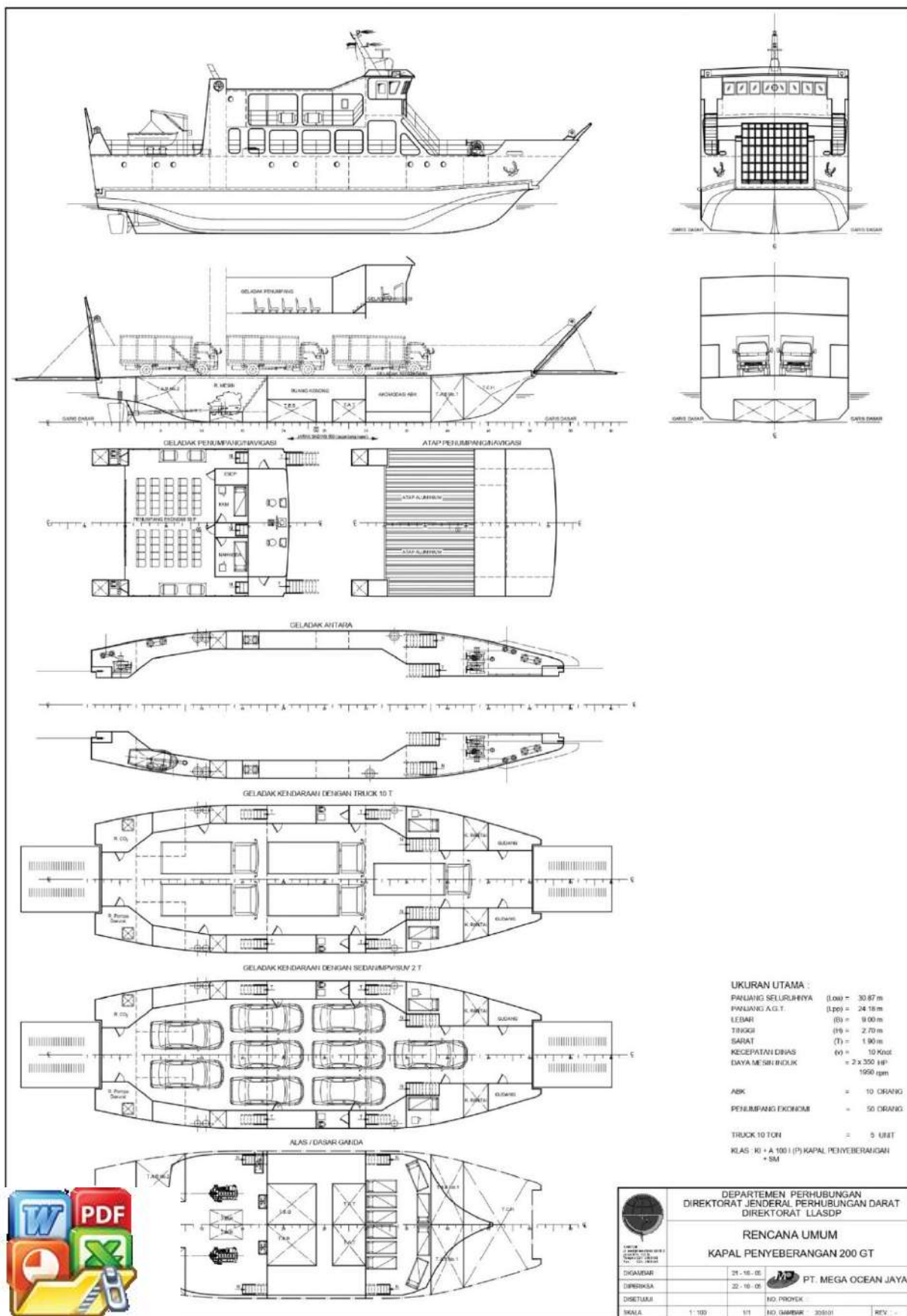


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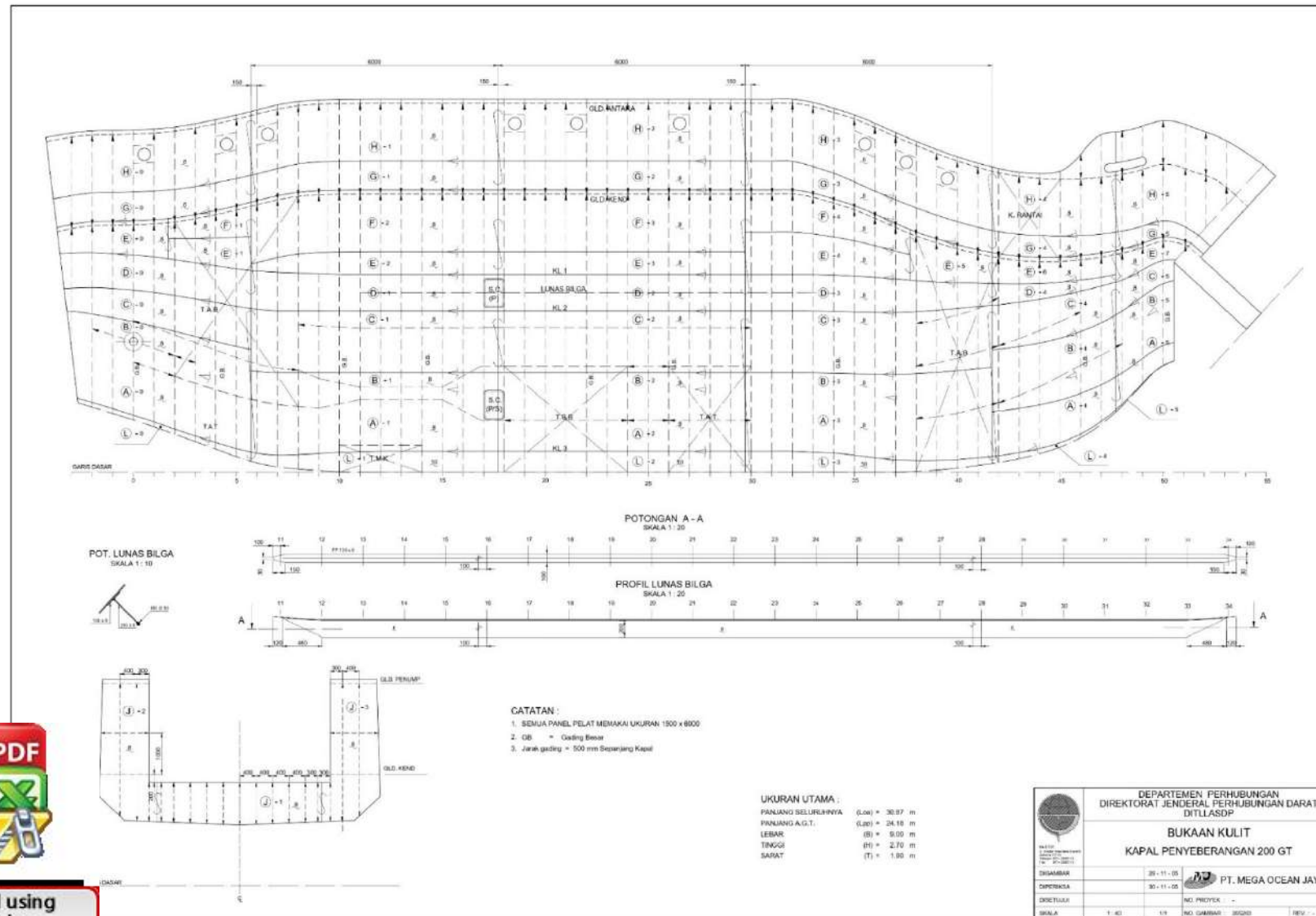
UKURAN UTAMA :
PANJANG SELURUHNYA (L_{tot}) = 30.87 m
PANJANG A.O.T. (L_{pp}) = 24.18 m
LEBAR (B) = 9.00 m
Tinggi (H) = 2.70 m
SARAI (T) = 1.00 m
SHEER HULLIN = 380 mm
SHEER BURTAH = 0 mm
CAMBER = 150 mm

DEPARTEMEN PERHUBUNGAN DIREKTORAT JENDERAL PERHUBUNGAN DARAT DITJLASDP			
RENCANA GARIS (STATION) KAPAL PENYEBERANGAN 200 GT			
DIGAMBAR	22-11-05	PT. MEGA OCEAN JAYA	
DIPERIKSA	23-11-05		
DIBETULI			
SKALA	1:50	1:1	NO GAMBAR : 205102 REV. 1

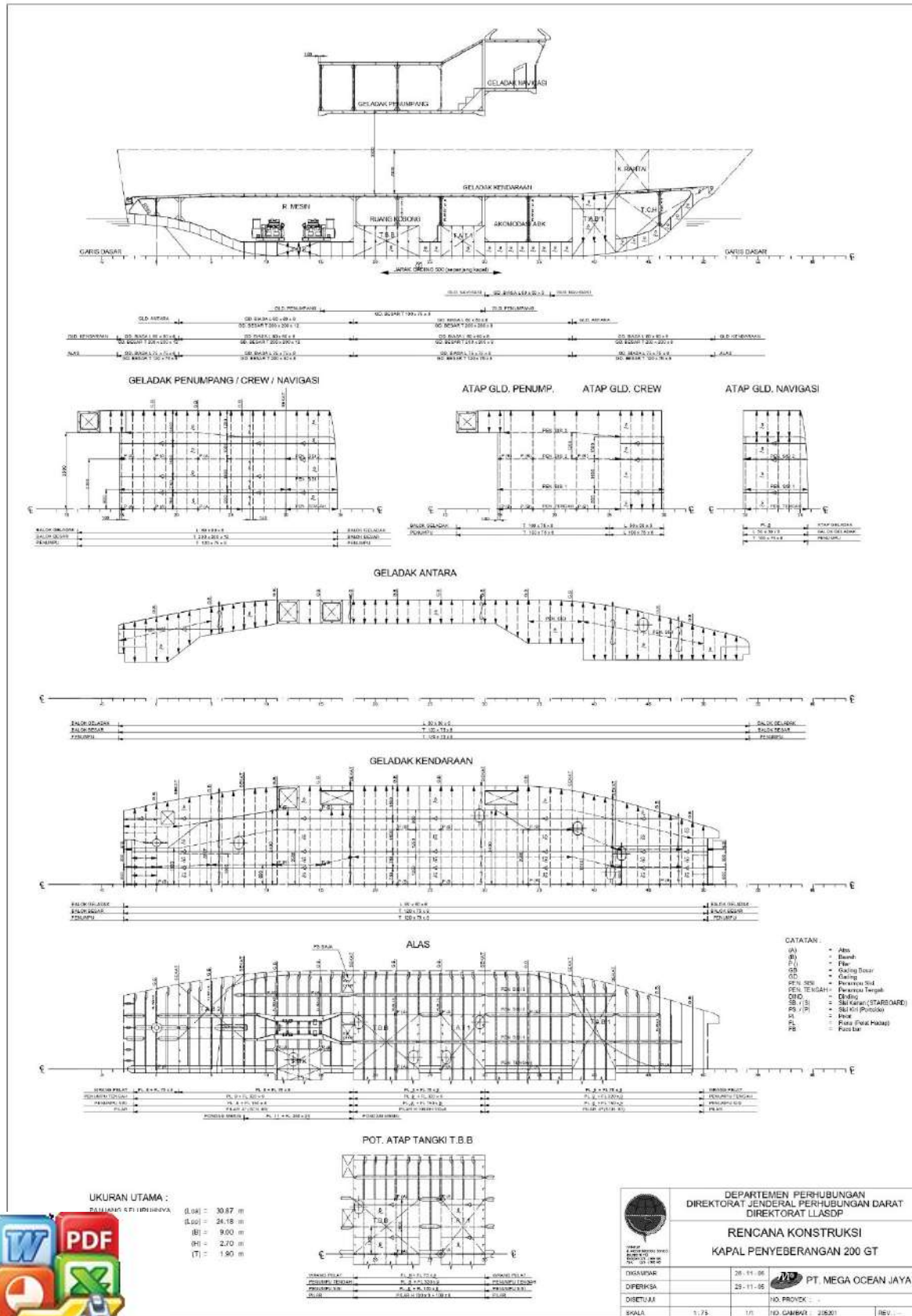
Lampiran 2 Gambar rencana umum



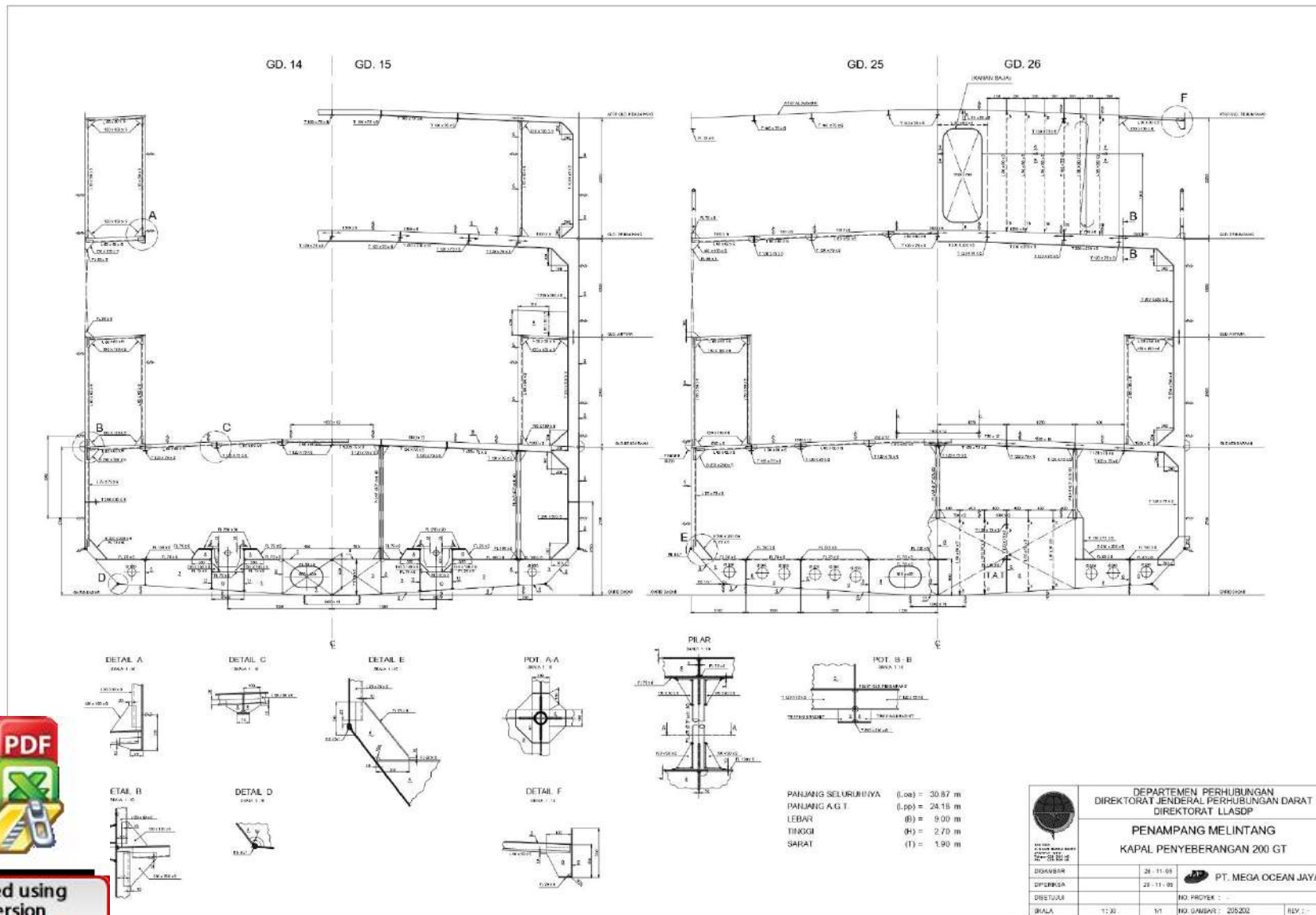
Lampiran 3 Gambar bukaan kulit



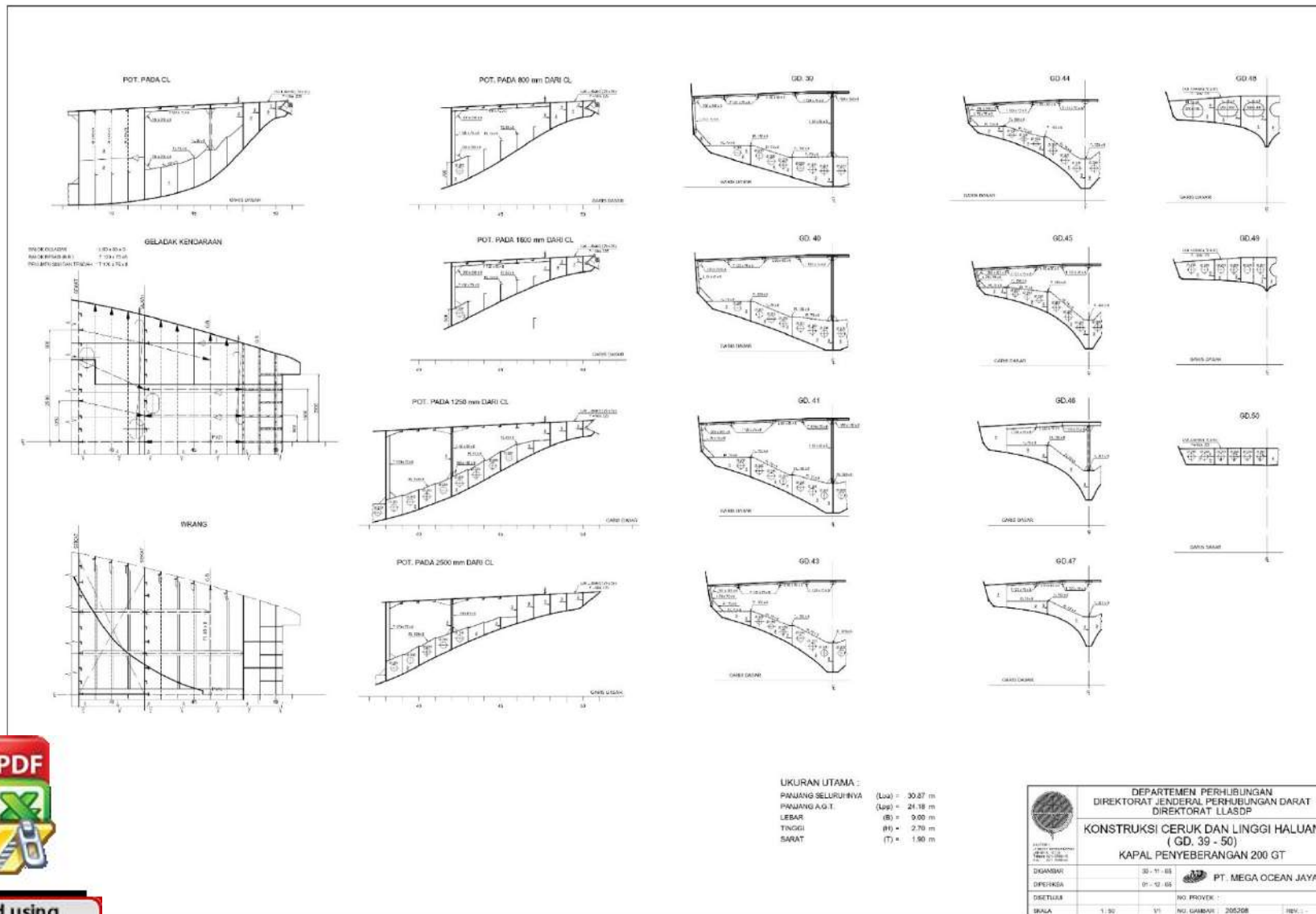
Lampiran 4 Gambar konstruksi memanjang kapal



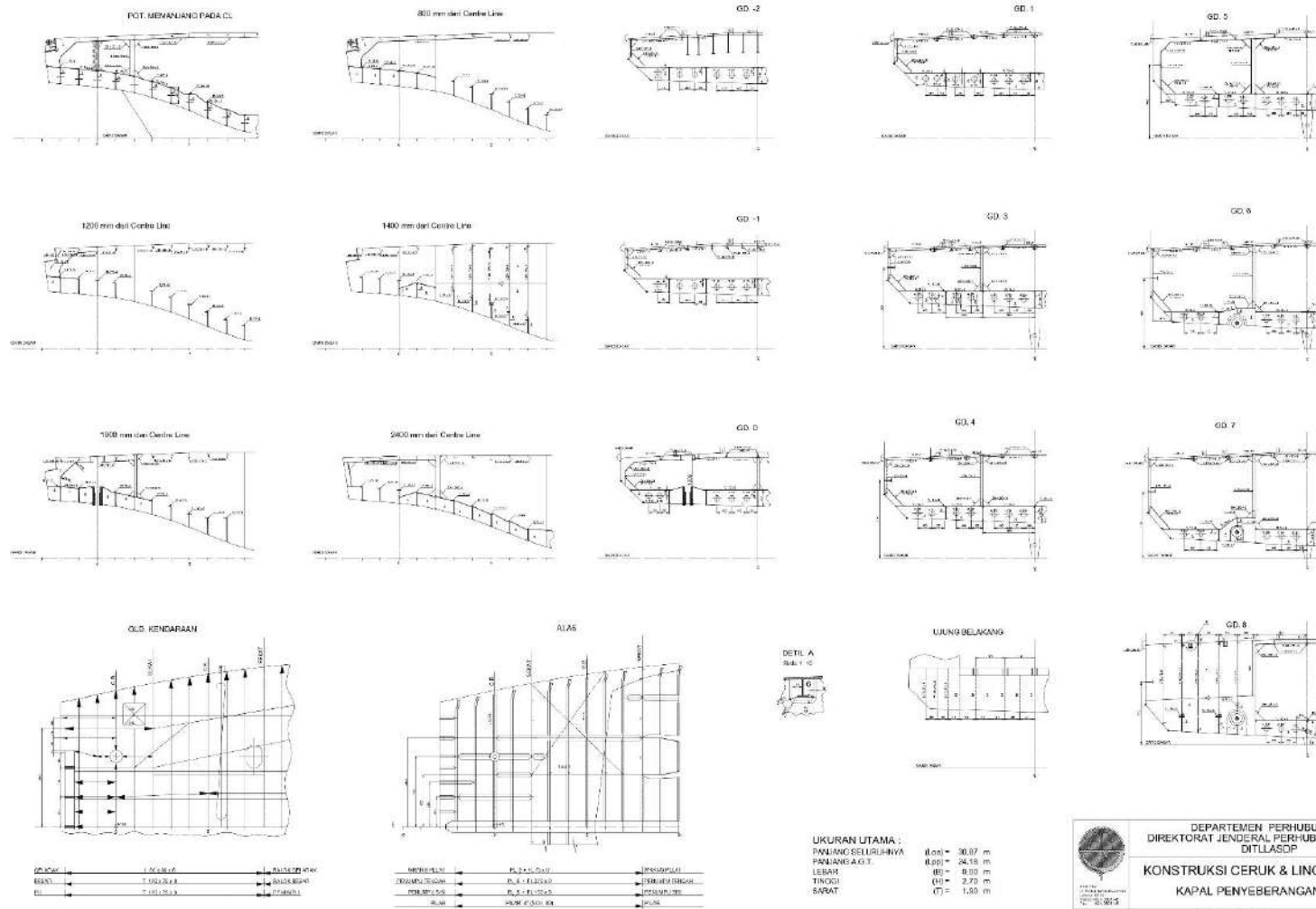
Lampiran 5 Gambar konstruksi tengah kapal



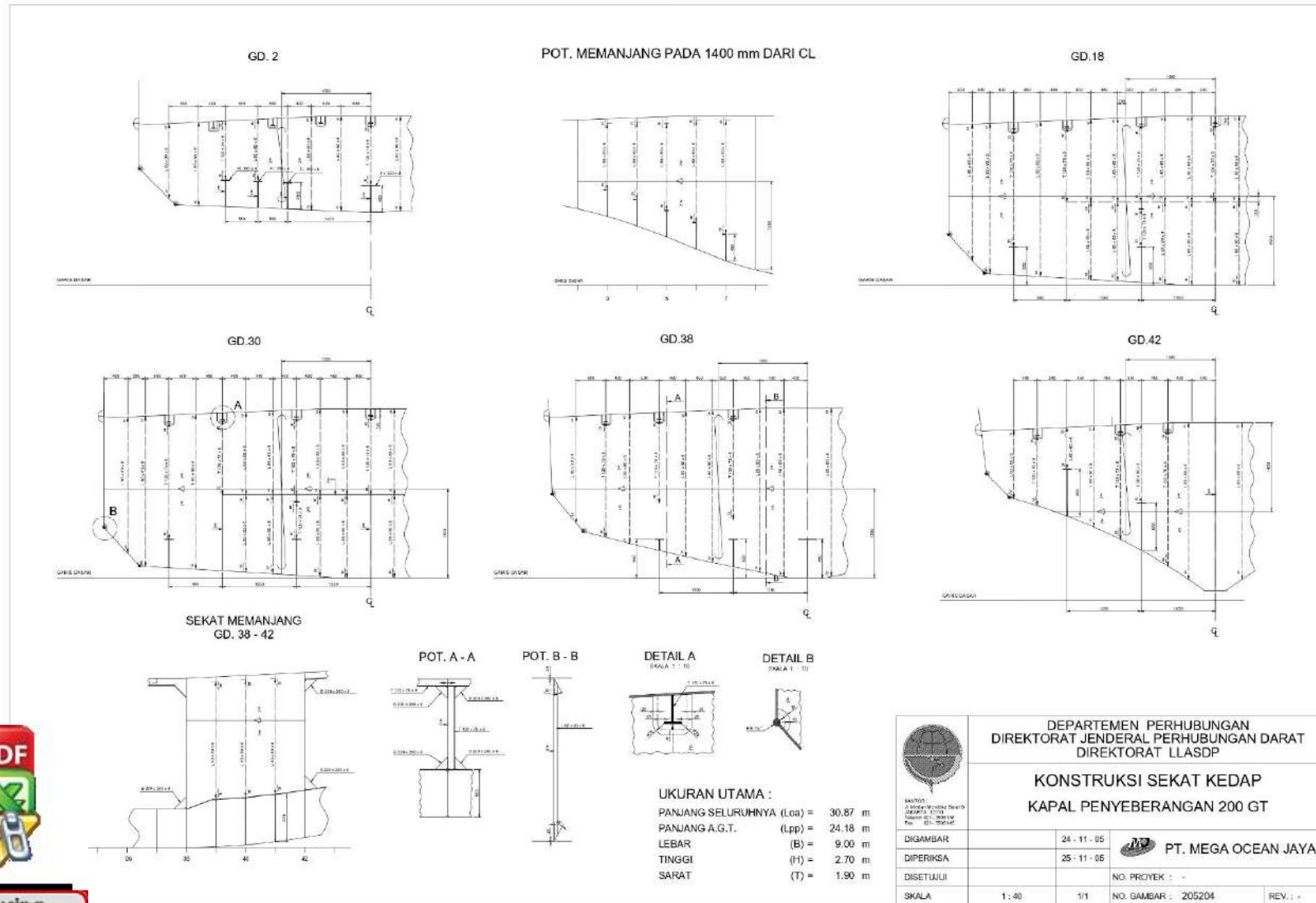
Lampiran 6 Gambar konstruksi ceruk dan linggi haluan



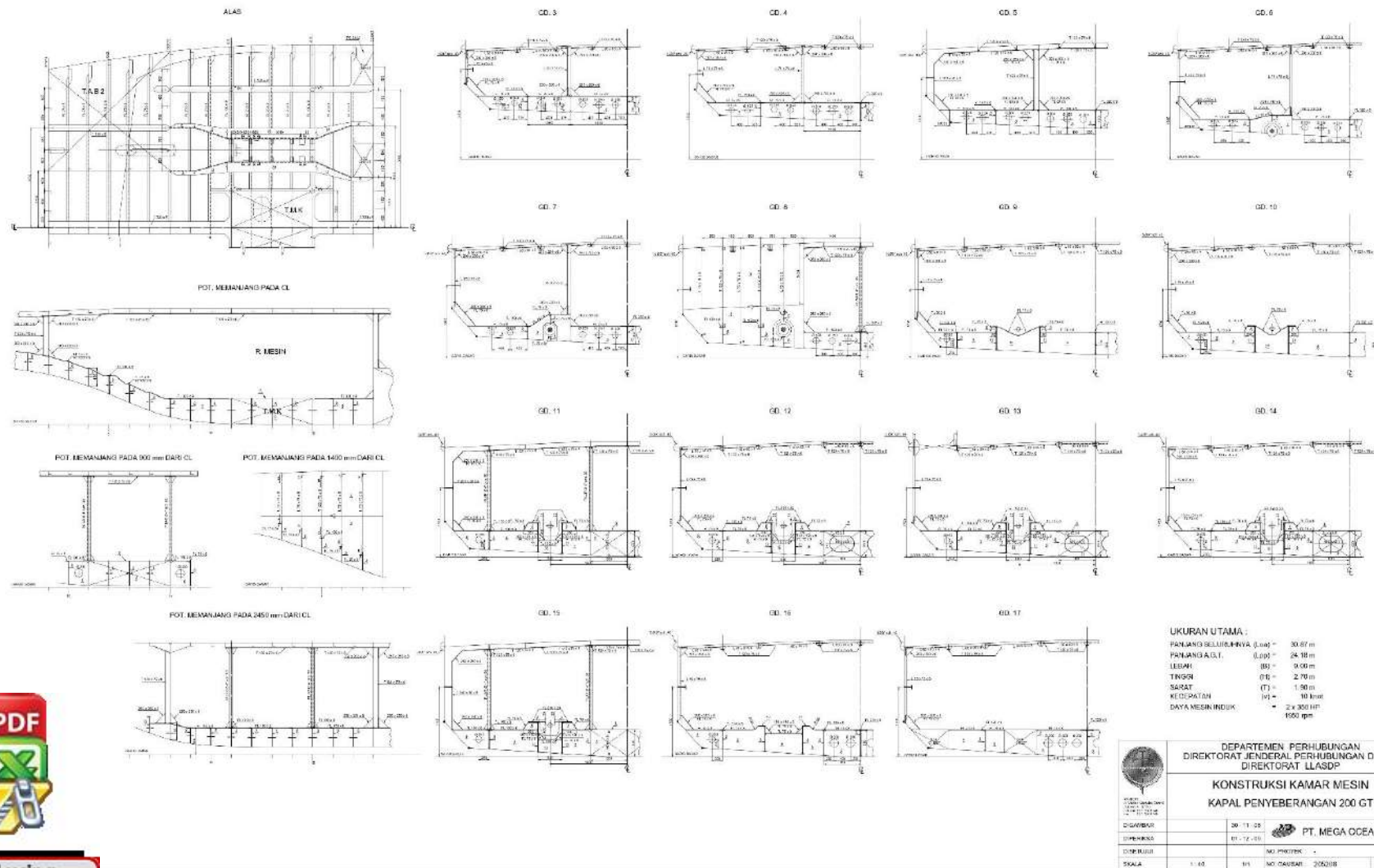
Lampiran 7 Gambar konstruksi ceruk dan linggi buritan



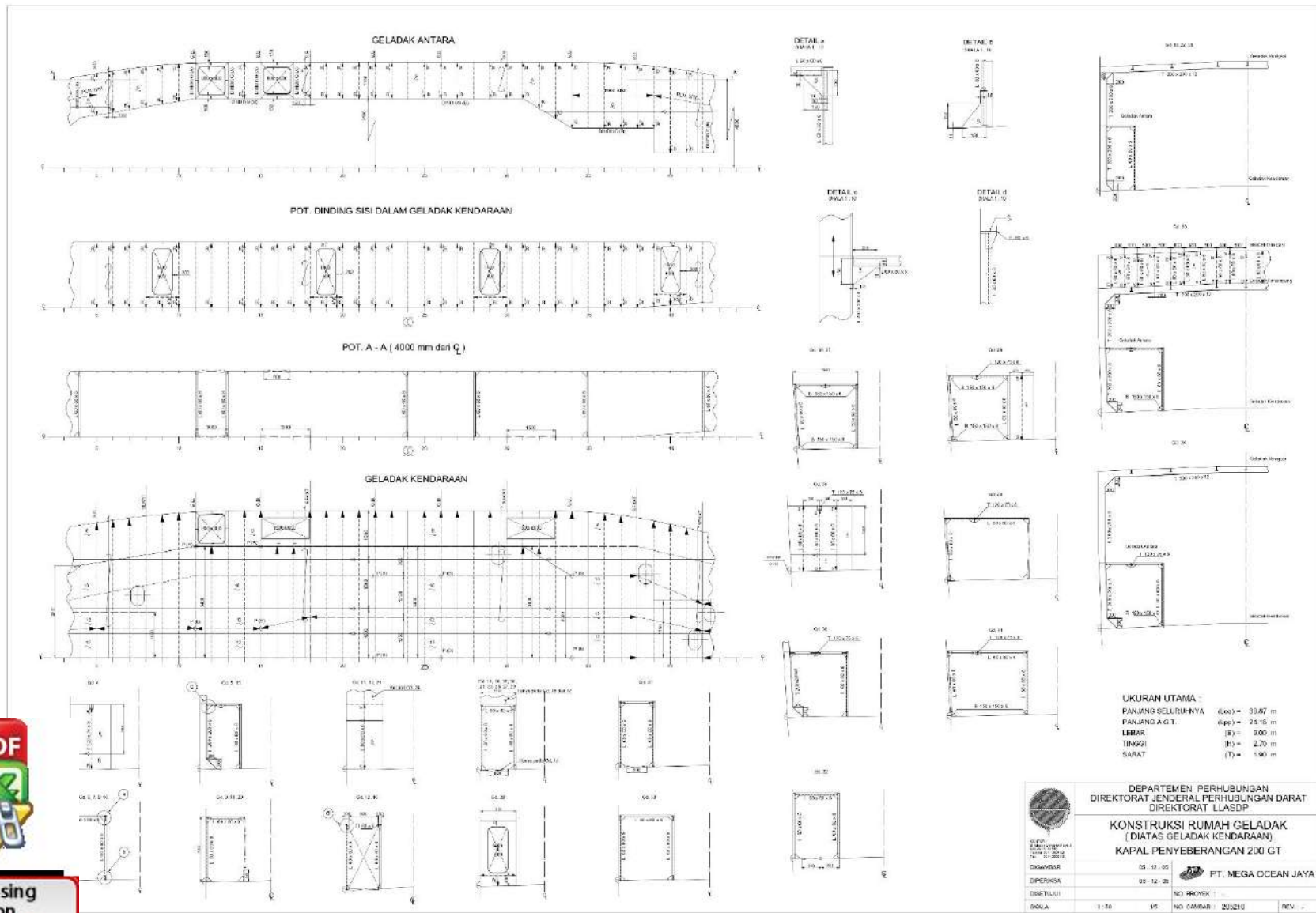
Lampiran 8 Gambar konstruksi sekat

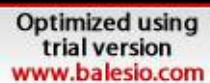


Lampiran 9 Gambar konstruksi kamar mesin

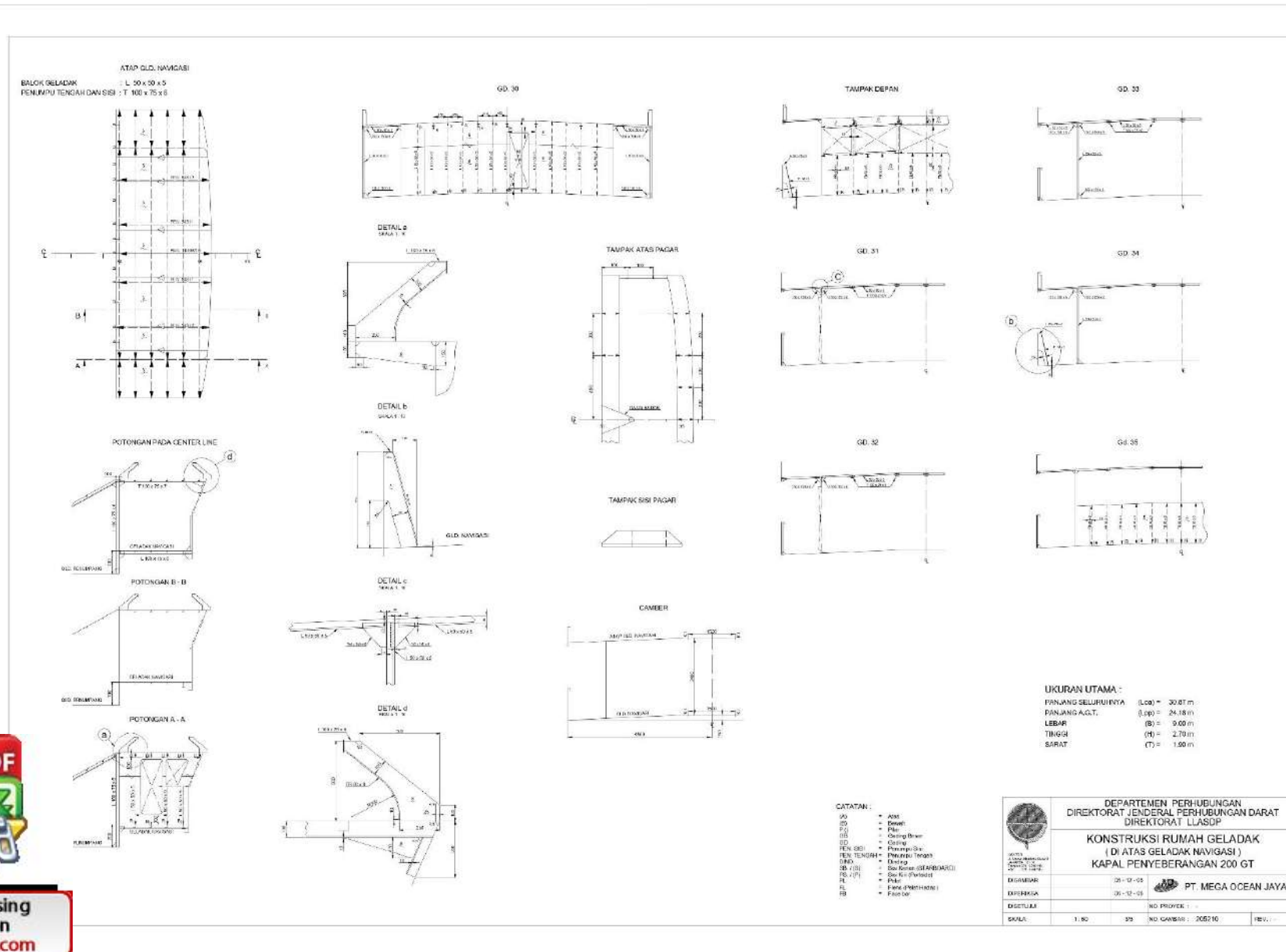


Lampiran 10 Gambar konstruksi rumah geladak – kendaraan

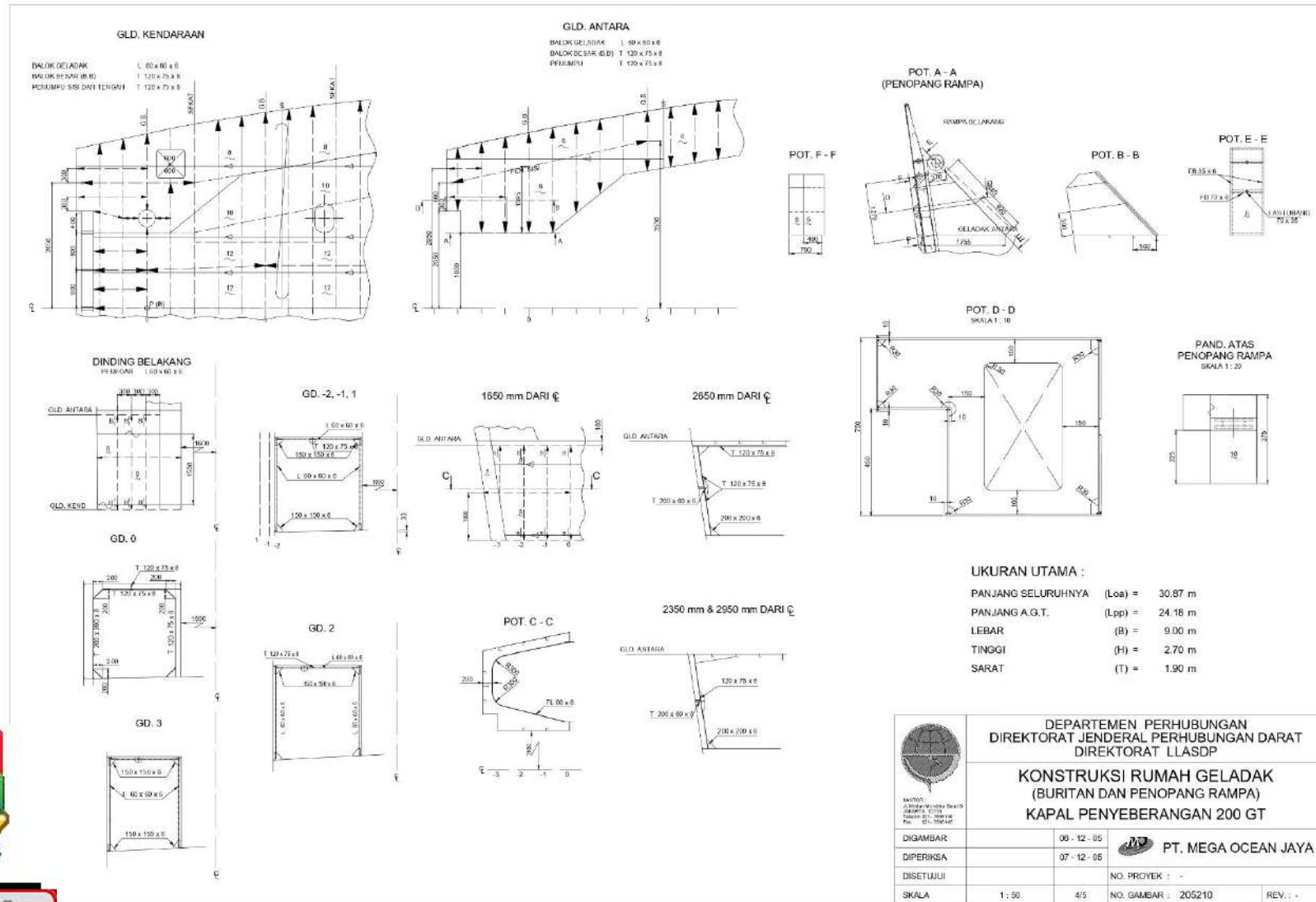




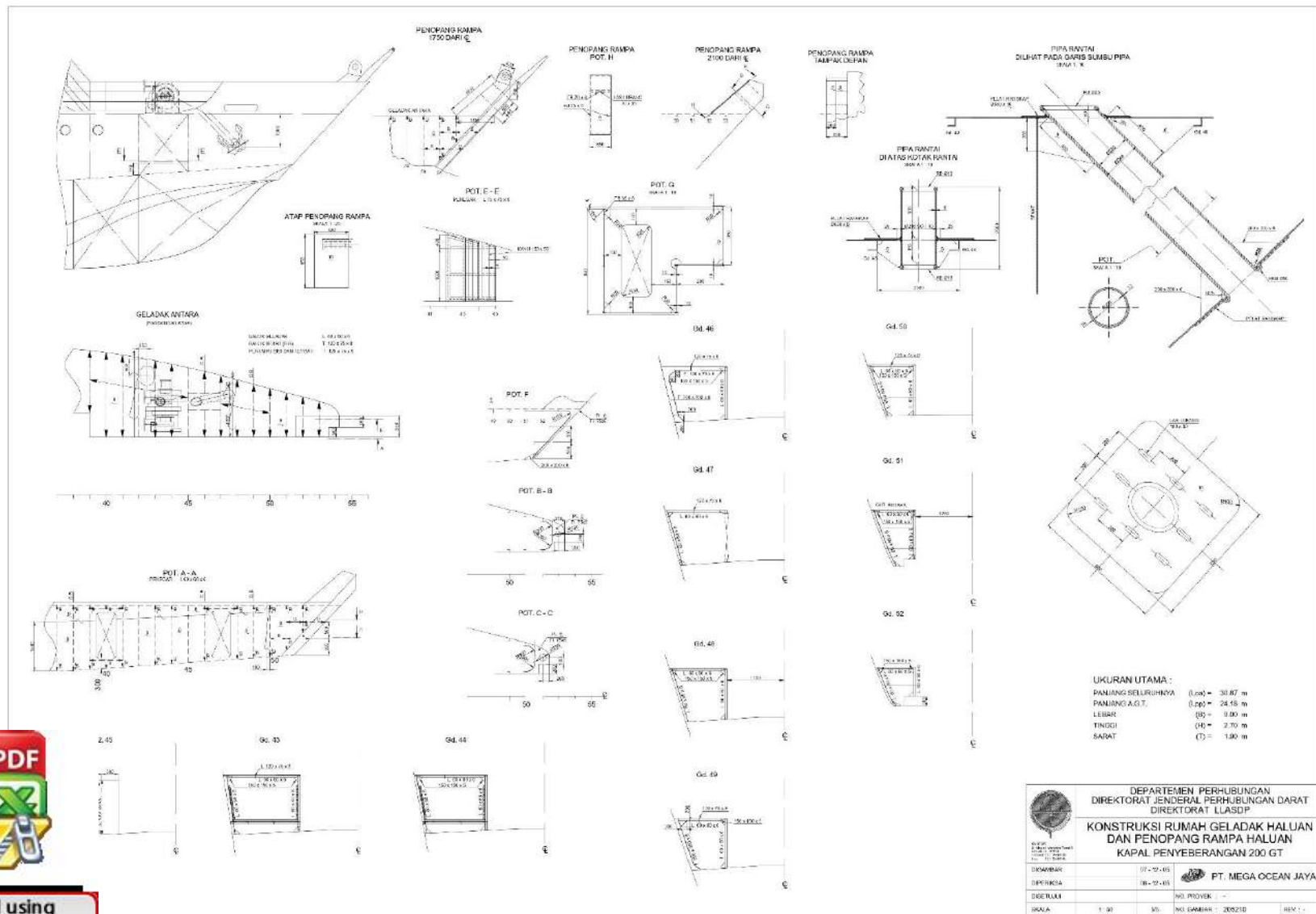
Lampiran 12 Gambar konstuksi rumah geladak – navigasi



Lampiran 13 Gambar konstruksi rumah geladak – buritan



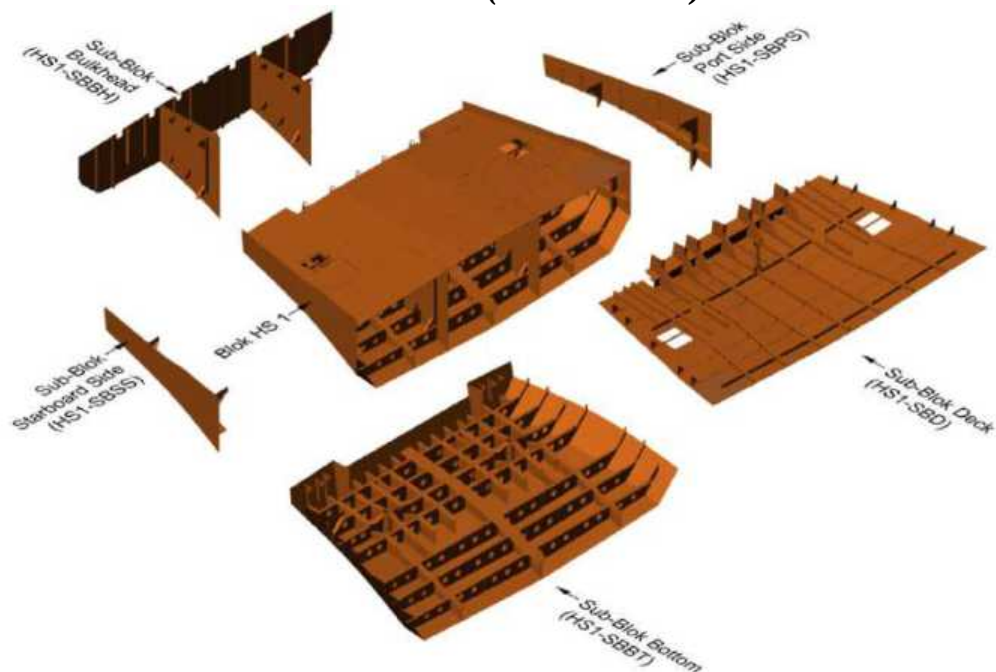
Lampiran 14 Gambar konstruksi rumah geladak – haluan



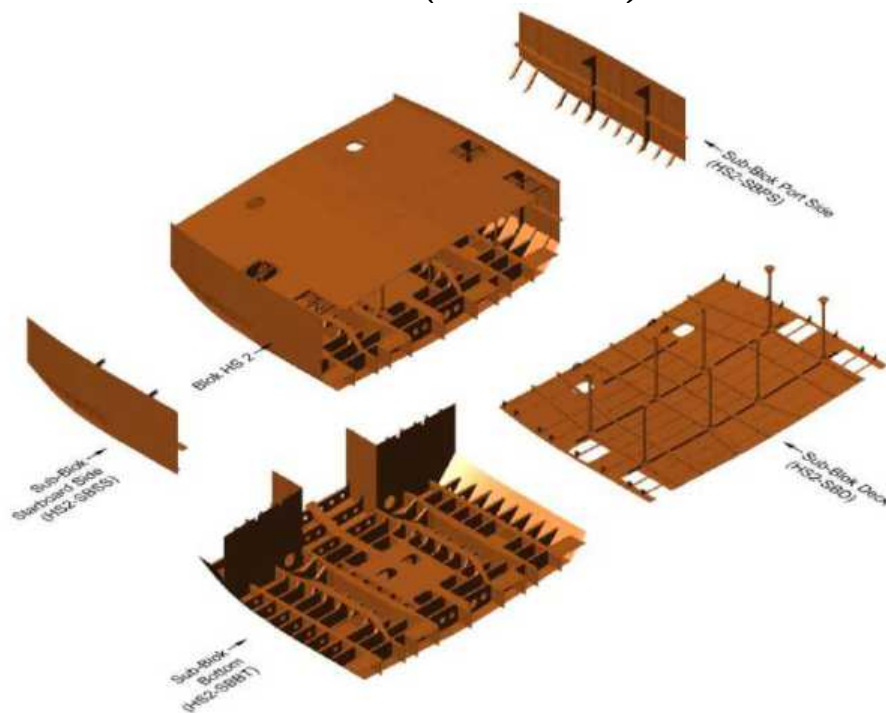
Lampiran 15 Pembagian sub-blok untuk setiap variasi desain blok

- Desain blok 20 ft

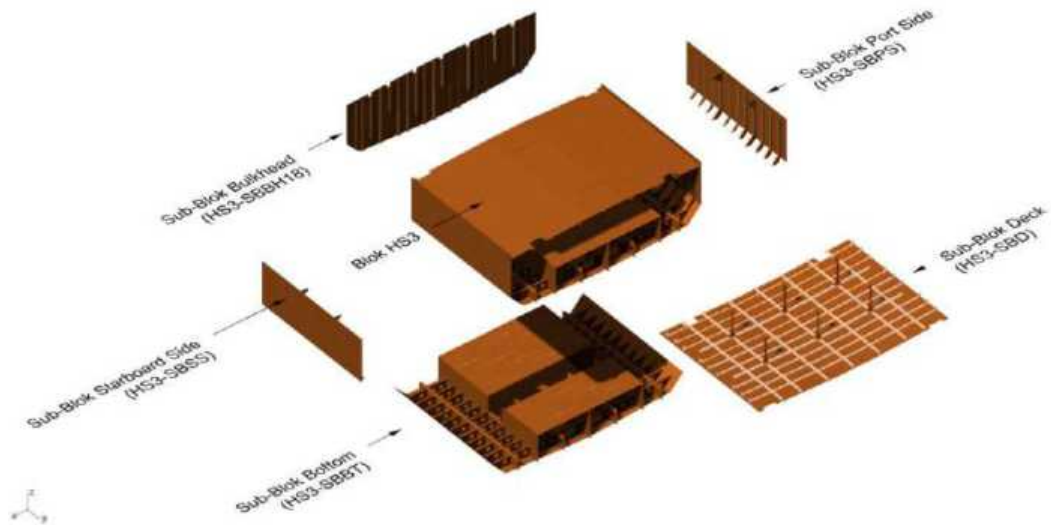
BLOK HS 1 (Hull Structure)



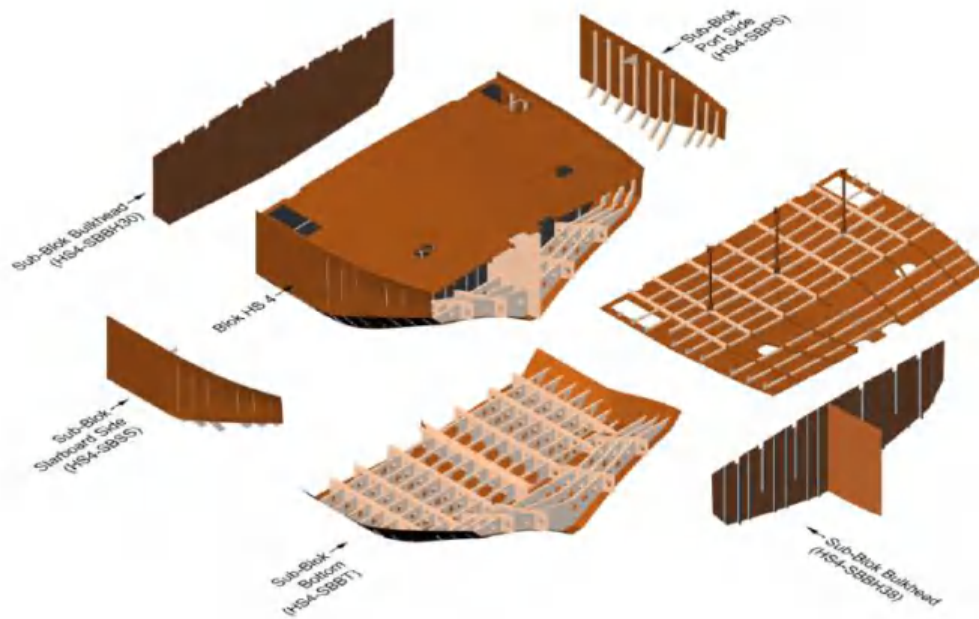
BLOK HS 2 (Hull Structure)



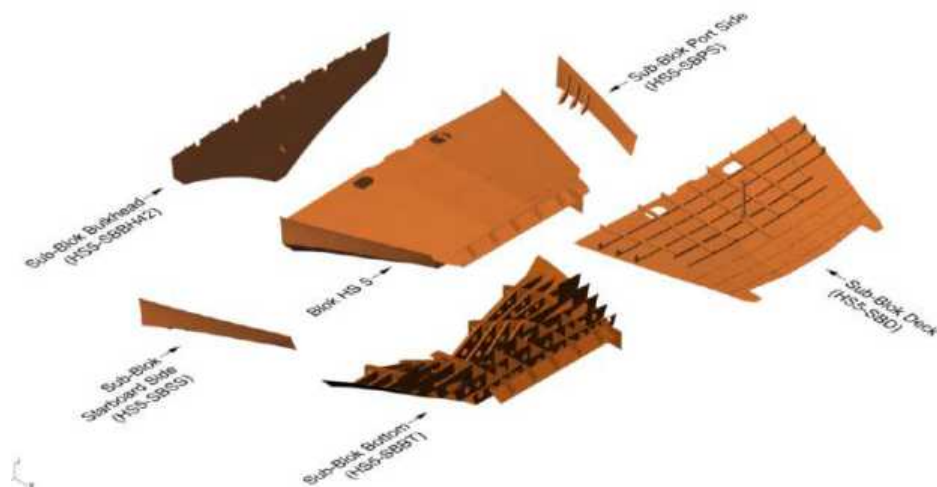
BLOK HS 3 (Hull Structure)



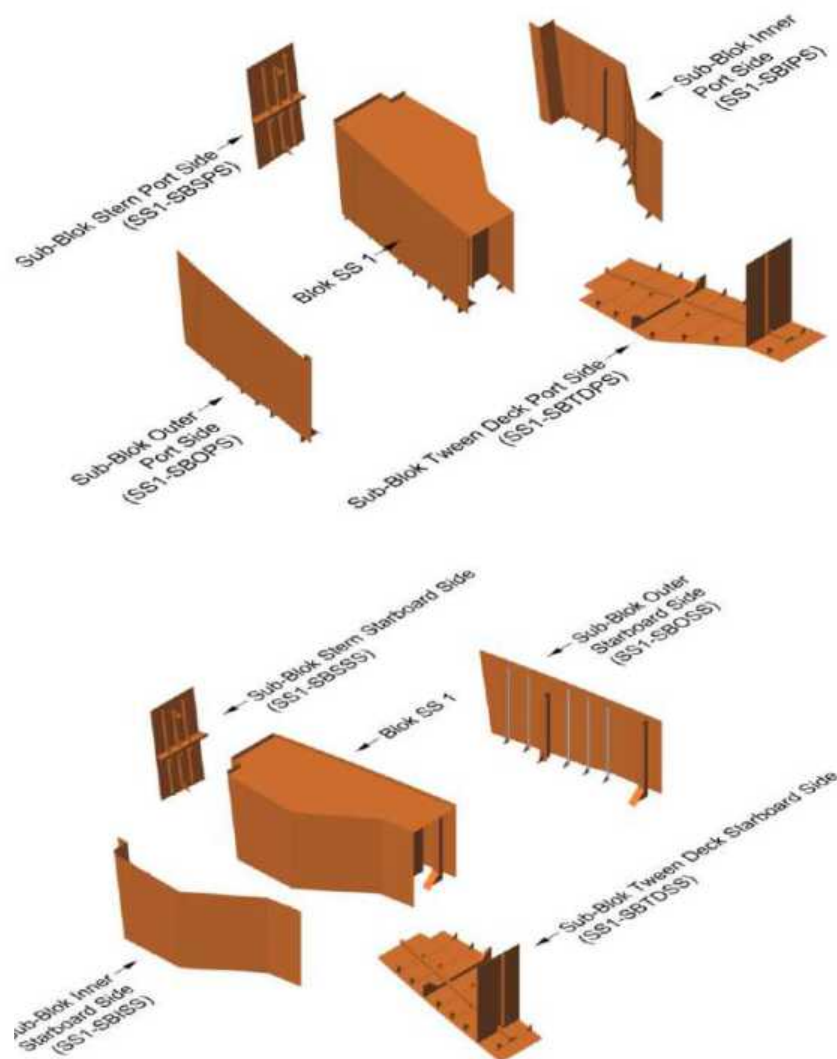
BLOK HS 4 (Hull Structure)



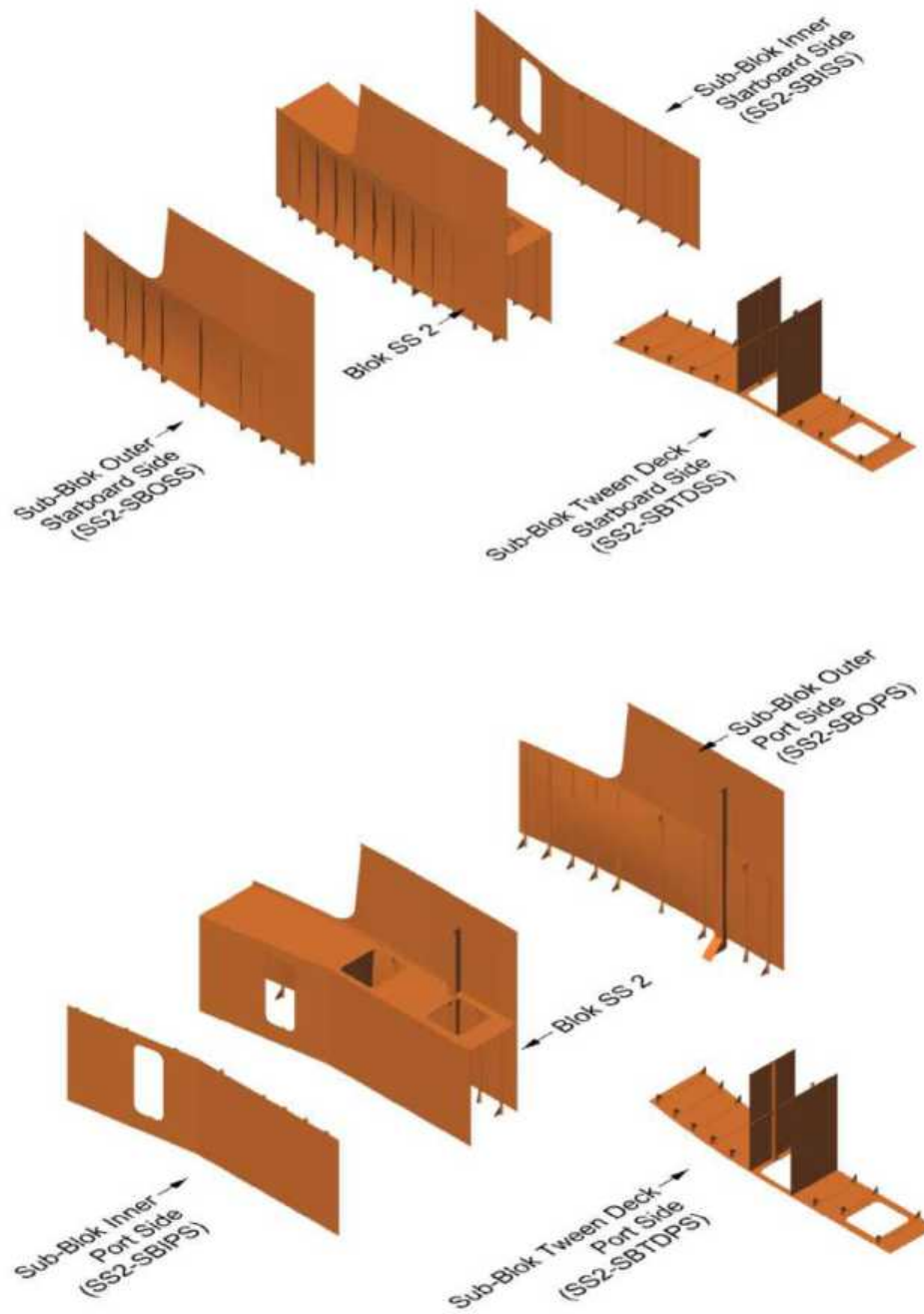
BLOK HS 5 (Hull Structure)



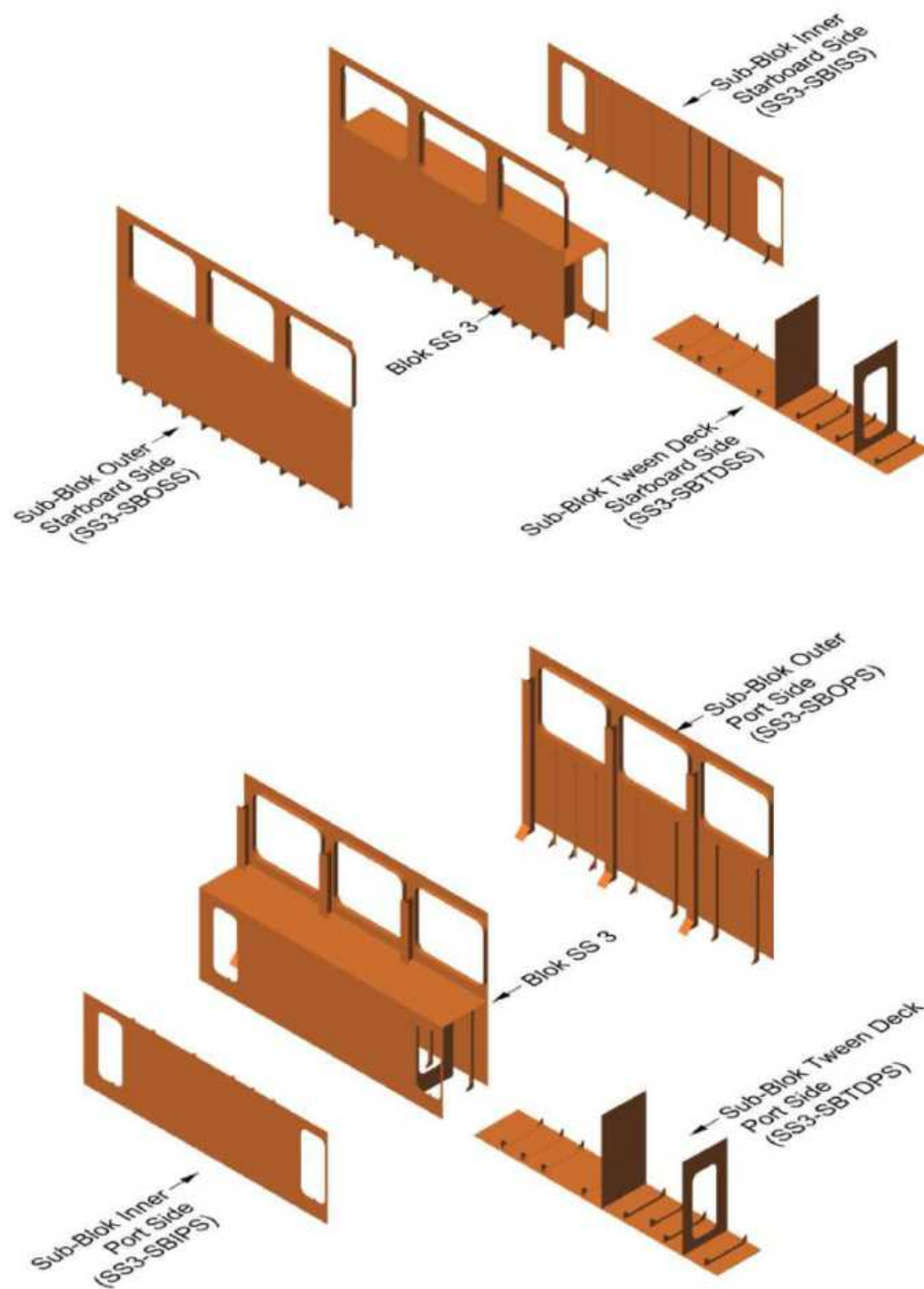
BLOK SS 1 (Super Structure)



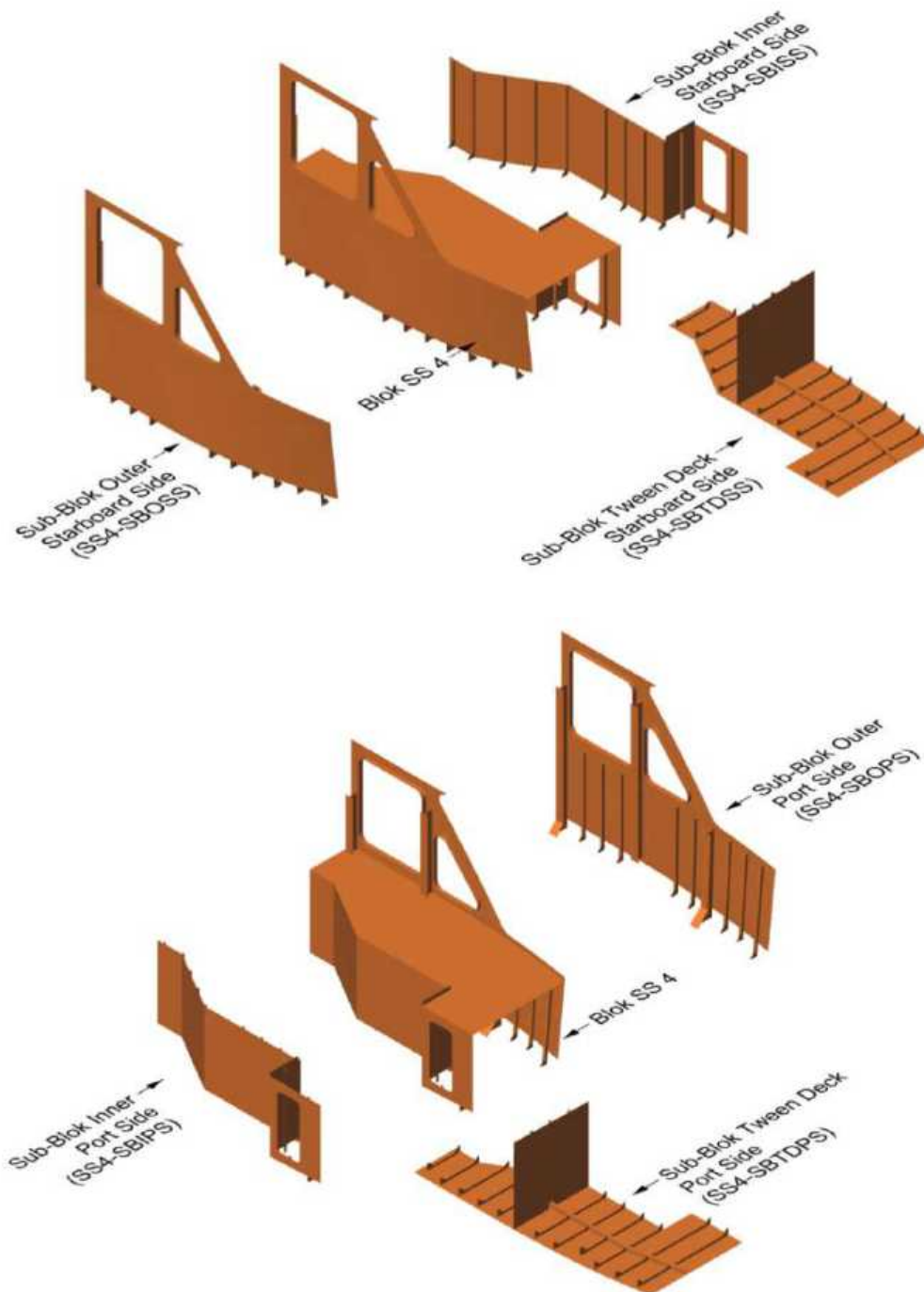
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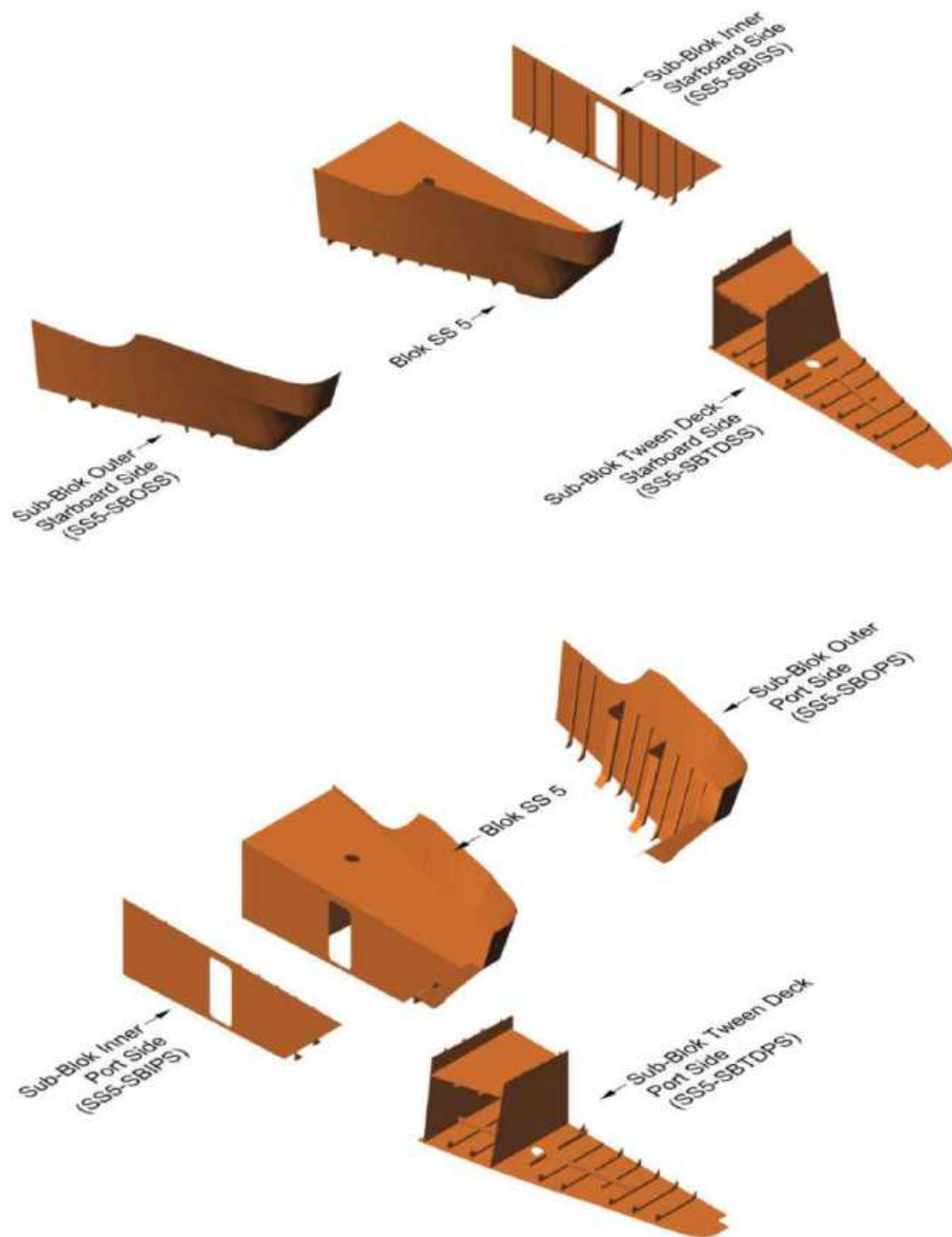
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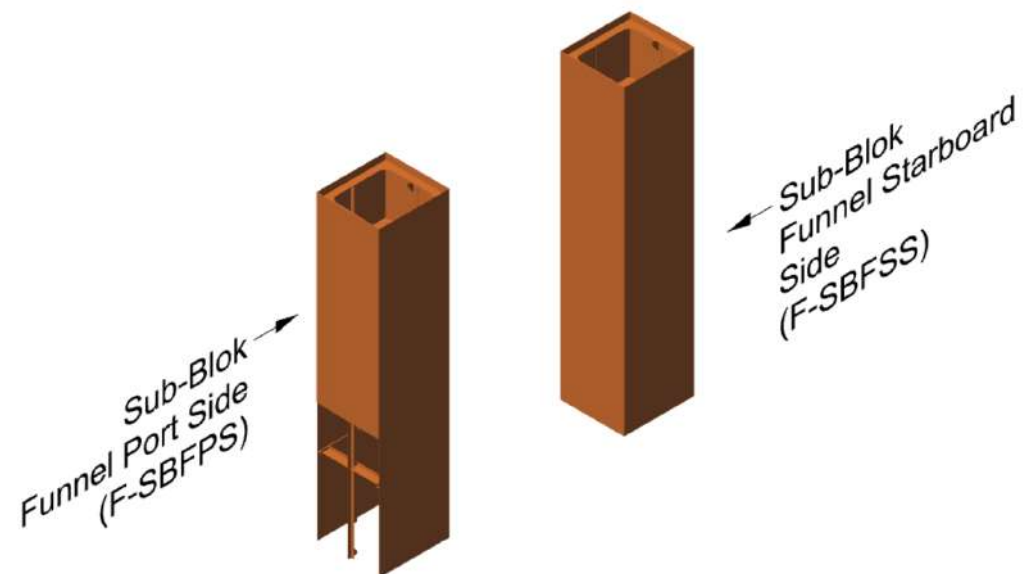
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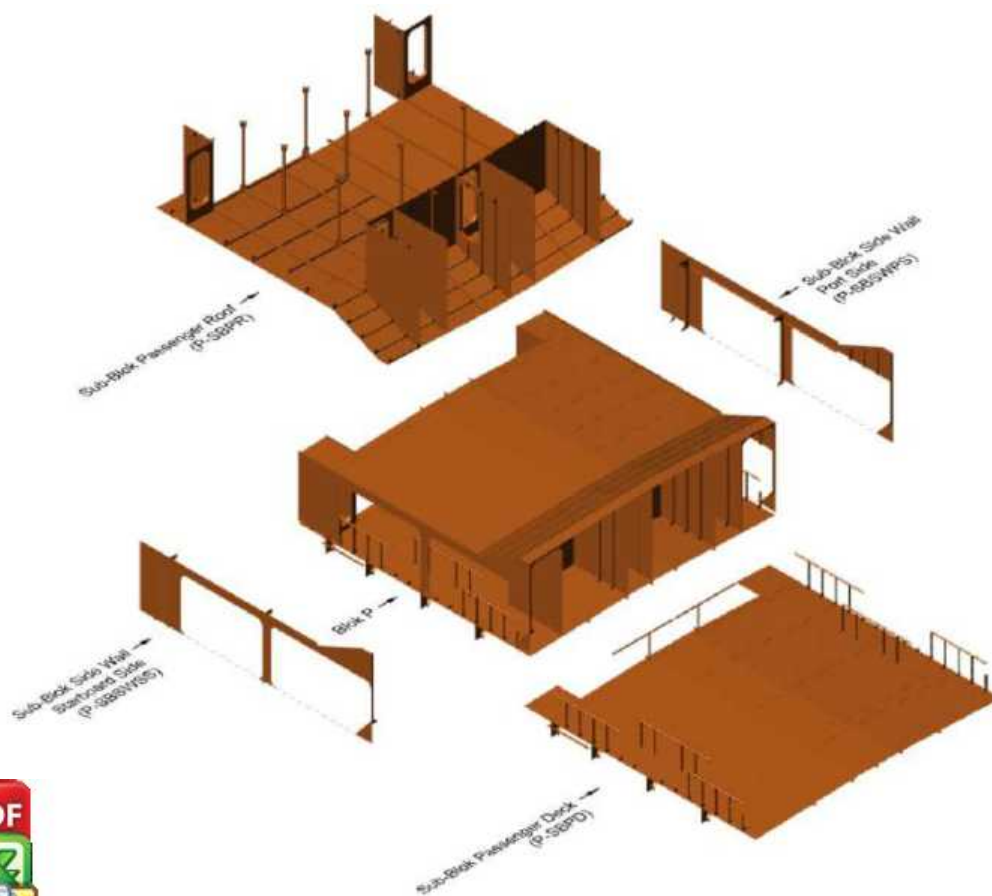
BLOK SS 5 (*Super Structure*)



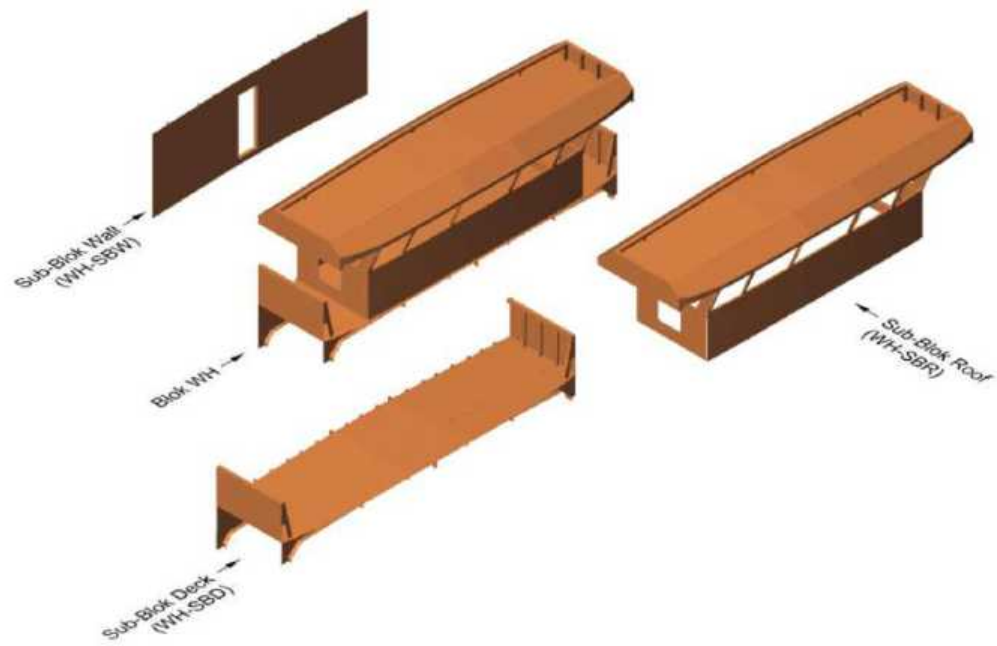
BLOK F (*Funnel*)



BLOK PD (*Passenger Deck*)

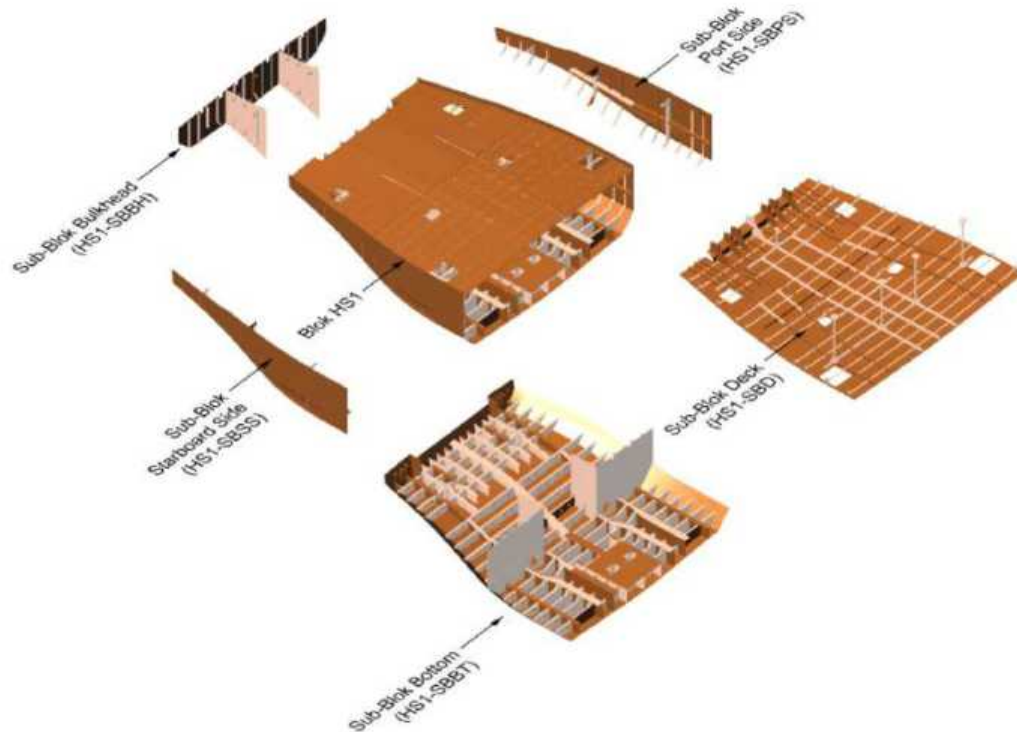


BLOK WH (Wheelhouse)

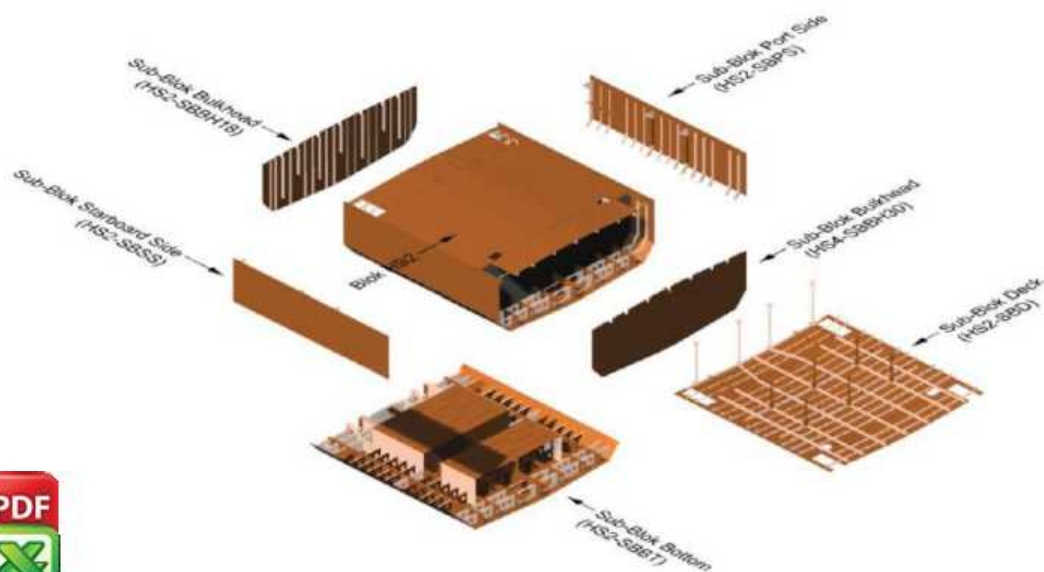


- Desain blok 30 ft

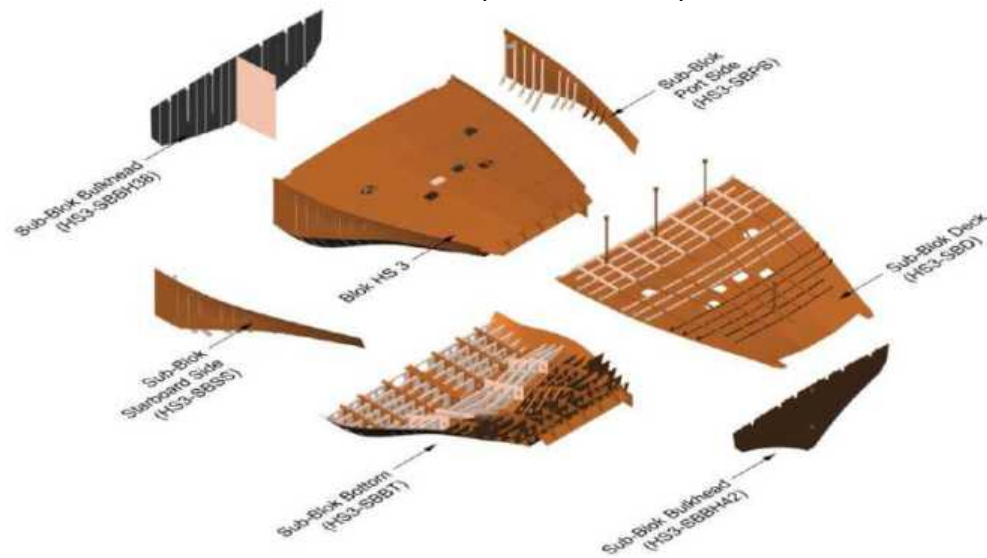
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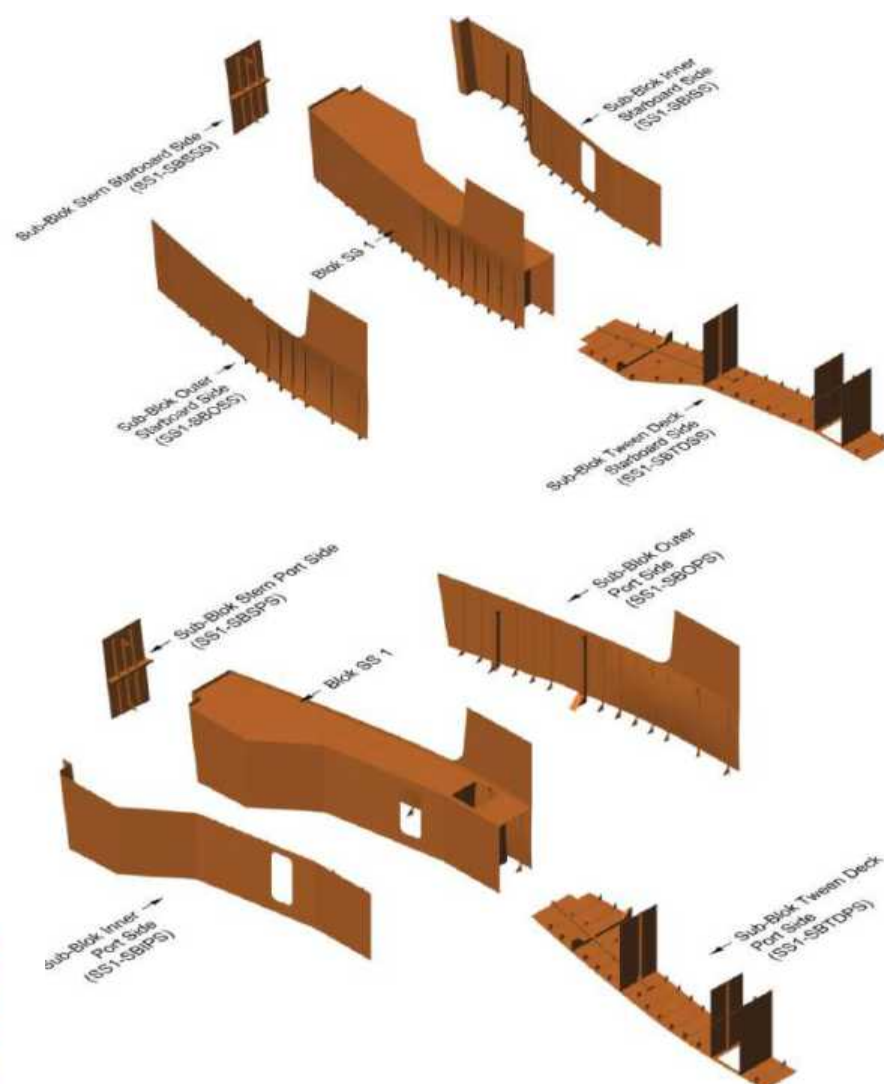
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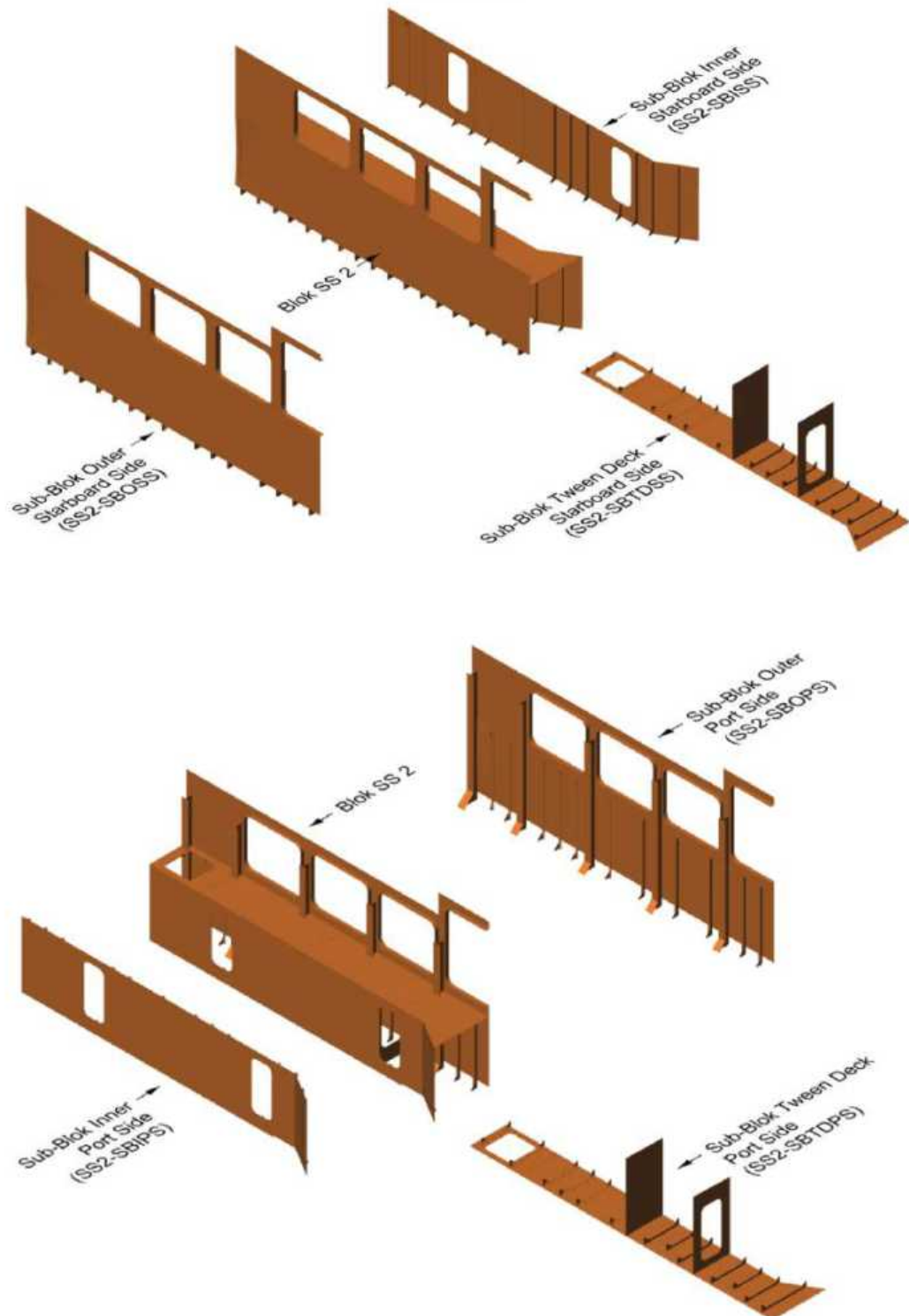
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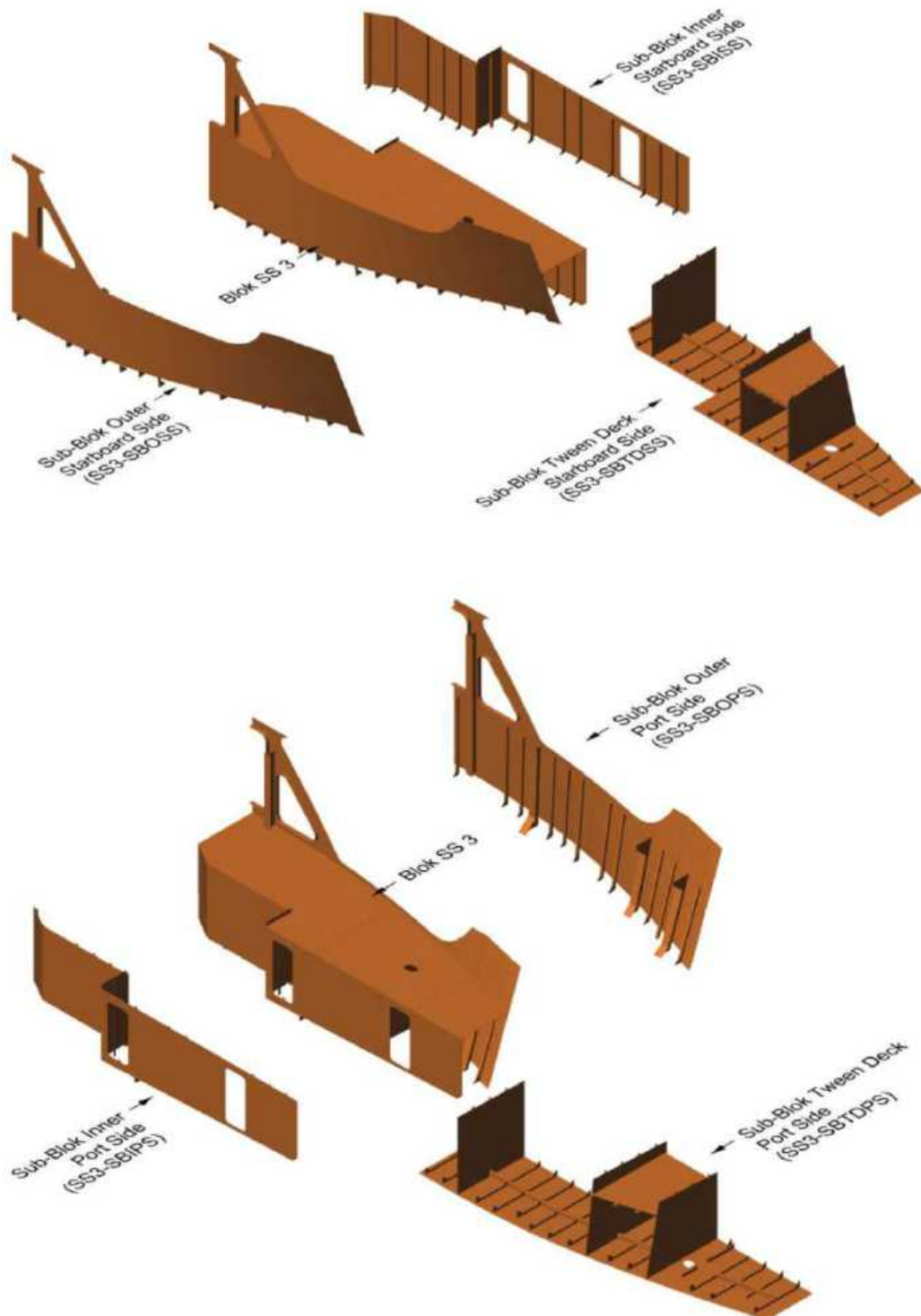
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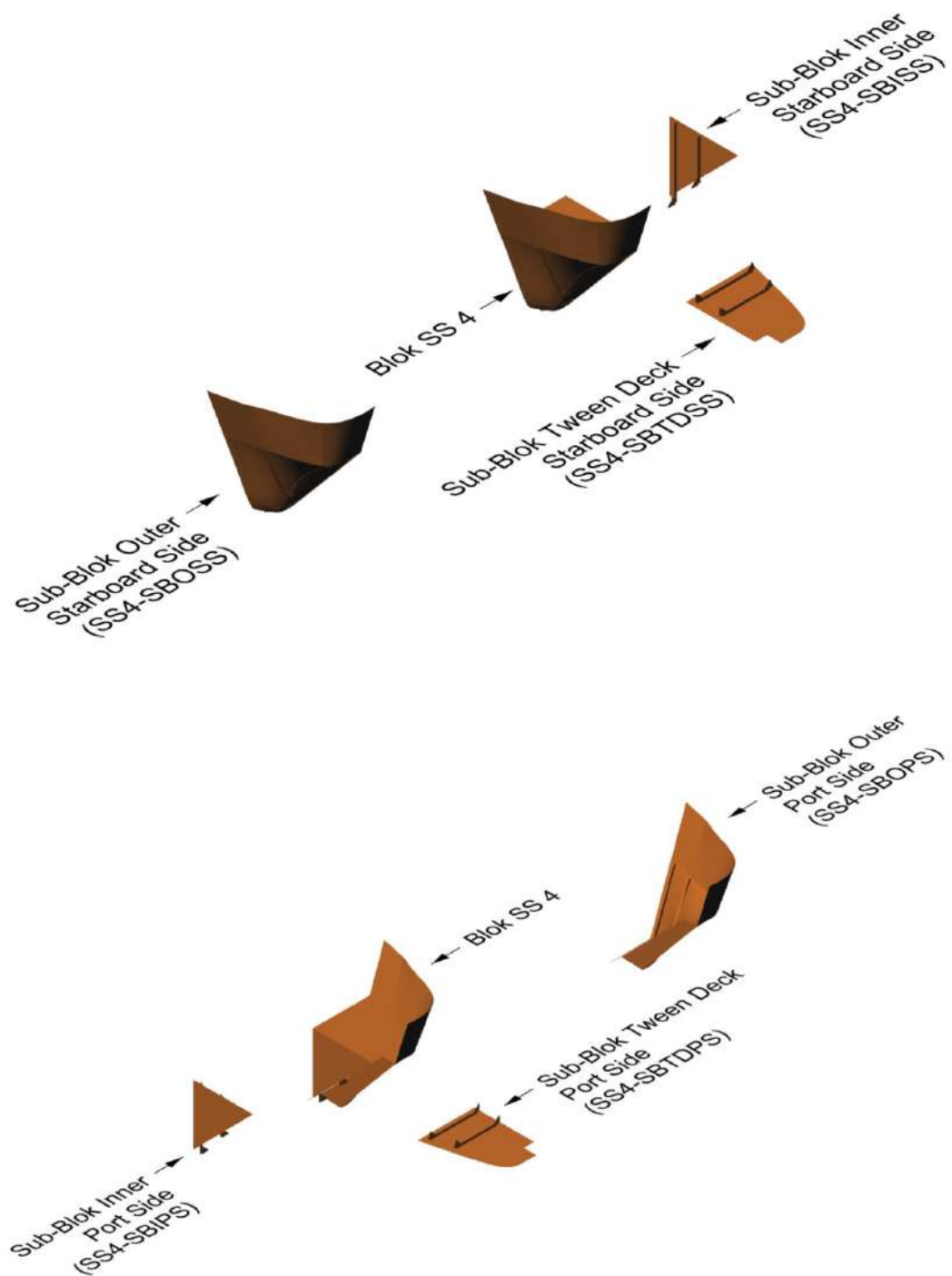


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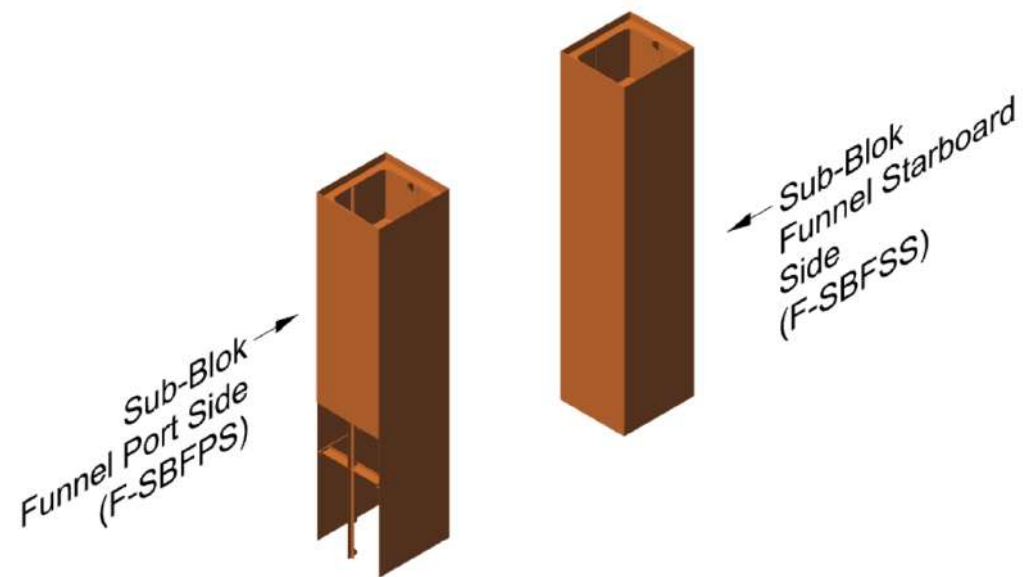


BLOK SS 3 (Super Structure)

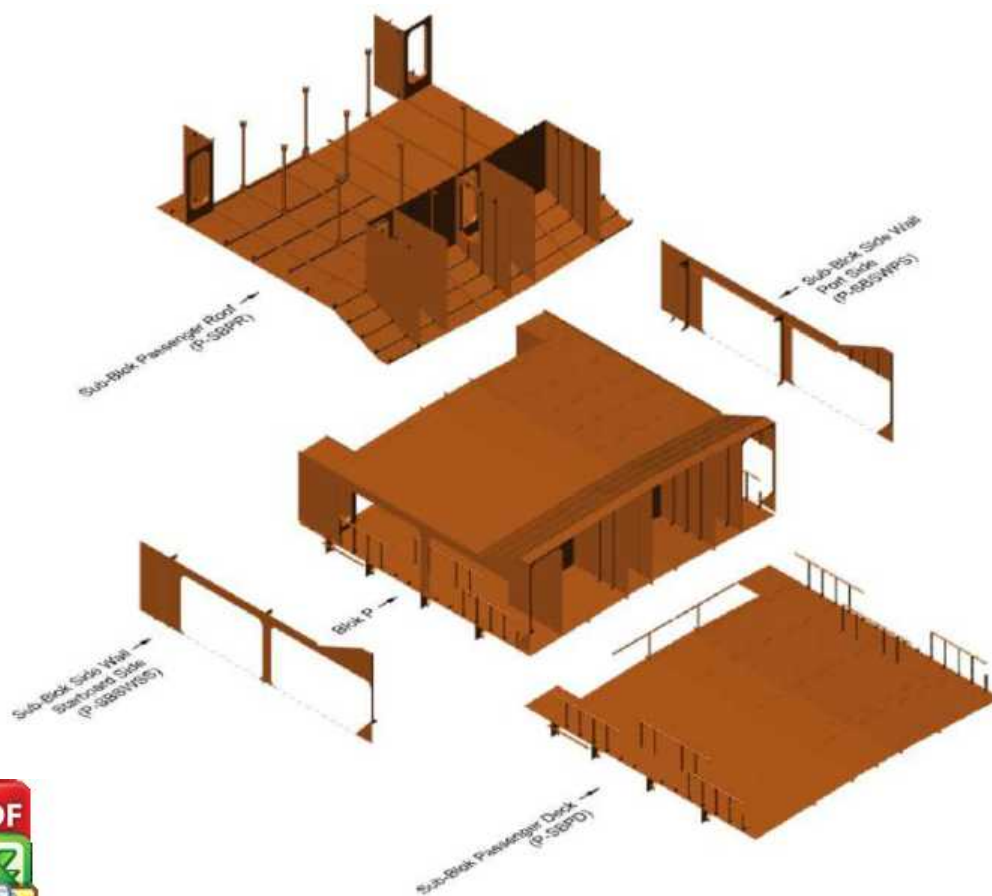


BLOK SS 4 (Super Structure)

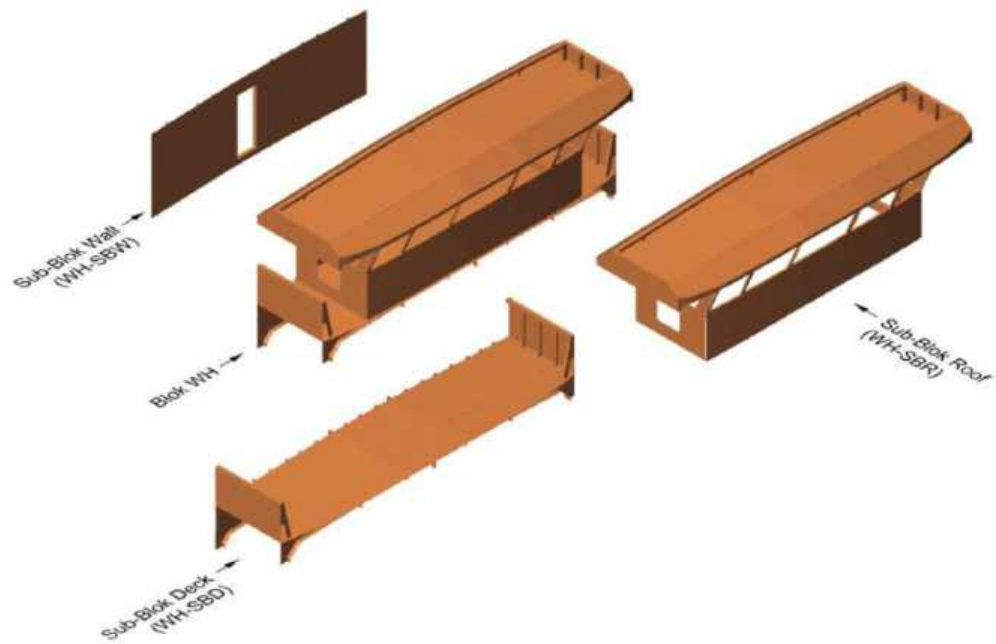
BLOK F (*Funnel*)



BLOK PD (*Passenger Deck*)



BLOK WH (Wheelhouse)



Lampiran 16 Perhitungan Berat Komponen Konstruksi

- Desain blok 20 ft

Berikut dibawah salah satu perhitungan berat komponen untuk blok HS 1

BLOK HS 1 (*Hull Structure*)

Item Komponen		Kode	Volume (mm ³)	Volume (m ³)	Berat (kg)	Berat (ton)
Sub-Blok <i>Bottom</i>		HS1-SBBT				
1	Center Girder	HS1-SBBT-CG-CF	12518217.80	0.01	98.27	0.10
2	Center Girder	HS1-SBBT-CG-CB	15725581.60	0.02	123.45	0.12
3	Side Girder	HS1-SBBT-SG-PS-1	1288710.56	0.00	10.12	0.01
4	Side Girder	HS1-SBBT-SG-SS-1	1288710.56	0.00	10.12	0.01
5	Side Girder	HS1-SBBT-SG-PS-2(1)	1288710.56	0.00	10.12	0.01
6	Side Girder	HS1-SBBT-SG-PS-2(2)	2149732.69	0.00	16.88	0.02
7	Side Girder	HS1-SBBT-SG-PS-2(3)	2182394.14	0.00	17.13	0.02
8	Side Girder	HS1-SBBT-SG-PS-2(4)	2068656.63	0.00	16.24	0.02
9	Side Girder	HS1-SBBT-SG-PS-2(5)	2146746.10	0.00	16.85	0.02
10	Side Girder	HS1-SBBT-SG-SS-2(1)	1288710.56	0.00	10.12	0.01
11	Side Girder	HS1-SBBT-SG-SS-2(2)	2149732.69	0.00	16.88	0.02
...						
Total =					4881.01	4.88



Sub-Blok Port Side		HS1-SBPS				
1	Main Frame	HS1-SBPS-MF4	794104.76	0.00	6.23	0.01
2	Main Frame	HS1-SBPS-MF3	673239.97	0.00	5.28	0.01
3	Main Frame	HS1-SBPS-MF1	442839.54	0.00	3.48	0.00
4	Main Frame	HS1-SBPS-MF(-1)	338631.18	0.00	2.66	0.00
5	Main Frame	HS1-SBPS-MF(-2)	300429.61	0.00	2.36	0.00
6	Web Frame	HS1-SBPS-WF0	1877514.43	0.00	14.74	0.01
7	Web Frame	HS1-SBPS-WF5	3415574.19	0.00	26.81	0.03
8	Bracket Main Frame	HS1-SBPS-BMF(-2)	654693.98	0.00	5.14	0.01
9	Bracket Main Frame	HS1-SBPS-BMF(-1)	689607.04	0.00	5.41	0.01
10	Bracket Main Frame	HS1-SBPS-BMF1	741160.56	0.00	5.82	0.01
11	Bracket Main Frame	HS1-SBPS-BMF3	735789.28	0.00	5.78	0.01
12	Bracket Main Frame	HS1-SBPS-BMF4	773134.63	0.00	6.07	0.01
13	Bracket Main Frame	HS1-SBPS-BWF0	679399.48	0.00	5.33	0.01
14	Bracket Main Frame	HS1-SBPS-BWF5	866109.87	0.00	6.80	0.01
15	Side Stringer	HS1-SBPS-SS	2862086.67	0.00	22.47	0.02
16	Side Plate	HS1-SBPS-SP	31150293.00	0.03	244.53	0.24
Total =					368.91	0.37

Sub-Blok Starboard Side		HS1-SBSS				
1	Main Frame	HS1-SBSS-MF4	794104.76	0.00	6.23	0.01
2	Main Frame	HS1-SBSS-MF3	673239.97	0.00	5.28	0.01
3	Main Frame	HS1-SBSS-MF1	442839.54	0.00	3.48	0.00
4	Main Frame	HS1-SBSS-MF(-1)	338631.18	0.00	2.66	0.00
5	Main Frame	HS1-SBSS-MF(-2)	300429.61	0.00	2.36	0.00
6	Web Frame	HS1-SBSS-WF0	1877514.43	0.00	14.74	0.01
7	Web Frame	HS1-SBSS-WF5	3415574.19	0.00	26.81	0.03
8	Bracket Main Frame	HS1-SBSS-BMF(-2)	654693.98	0.00	5.14	0.01
9	Bracket Main Frame	HS1-SBSS-BMF(-1)	689607.04	0.00	5.41	0.01
10	Bracket Main Frame	HS1-SBSS-BMF1	741160.56	0.00	5.82	0.01
11	Bracket Main Frame	HS1-SBSS-BMF3	735789.28	0.00	5.78	0.01
12	Bracket Main Frame	HS1-SBSS-BMF4	773134.63	0.00	6.07	0.01
Total =					368.91	0.37



Sub-Blok Deck		HS1-SBD				
1	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-1	267895.77	0.00	2.10	0.00
2	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-2	267983.31	0.00	2.10	0.00
3	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-3	268544.51	0.00	2.11	0.00
4	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-4	299536.60	0.00	2.35	0.00
5	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-5	169050.22	0.00	1.33	0.00
6	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-6	337057.85	0.00	2.65	0.00
7	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-7	165774.77	0.00	1.30	0.00
8	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-8	199977.55	0.00	1.57	0.00
9	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-9	311044.75	0.00	2.44	0.00
10	Transversal Deck Beam	HS1-SBD-TDB(-2)-SS-1	267895.77	0.00	2.10	0.00
...						
Total =					3565.03	3.57

Sub-Blok Bulkhead		HS1-SBBH				
1	Bulkhead Plate	HS1-SBBH-BP-C	35951480.00	0.04	282.22	0.28
2	Bulkhead Plate	HS1-SBBH-BP-PS	24244130.00	0.02	190.32	0.19
3	Bulkhead Plate	HS1-SBBH-BP-SS	24244130.00	0.02	190.32	0.19
4	Ballast Water Tank 2 Plate	HS1-SBBH-BWT2P-PS	26835255.50	0.03	210.66	0.21
5	Ballast Water Tank 2 Plate	HS1-SBBH-BWT2P-SS	26835255.50	0.03	210.66	0.21
6	Bulkhead Stiffener	HS1-SBBH-BS-C	1528655.35	0.00	12.00	0.01
7	Bulkhead Stiffener	HS1-SBBH-BS2-PS-1	1053232.00	0.00	8.27	0.01
8	Bulkhead Stiffener	HS1-SBBH-BS2-PS-2	1034224.50	0.00	8.12	0.01
9	Bulkhead Stiffener	HS1-SB BH-BS2-PS-3	743511.91	0.00	5.84	0.01
10	Bulkhead Stiffener	HS1-SBBH-BS2-PS-4	1398167.65	0.00	10.98	0.01
11	Bulkhead Stiffener	HS1-SBBH-BS2-PS-5	920617.72	0.00	7.23	0.01
12	Bulkhead Stiffener	HS1-SBBH-BS2-PS-6	821150.11	0.00	6.45	0.01
13	Bulkhead Stiffener	HS1-SBBH-BS2-SS-1	1053232.00	0.00	8.27	0.01
14	Bulkhead Stiffener	HS1-SBBH-BS2-SS-2	1034224.50	0.00	8.12	0.01
Total =					1317.52	1.32



Hasil akumulasi berat komponen tiap sub-blok pada blok HS 1, sebagai berikut.

No.	Kode	Nama Sub Blok	Jumlah Komponen	Berat (Kg)	Berat (Ton)
1	HS1-SBBT	Sub-Blok Bottom	114	4881.01	4.88
2	HS1-SBPS	Sub-Blok Port Side	16	368.91	0.37
3	HS1-SBSS	Sub-Blok Starboard Side	16	368.91	0.37
4	HS1-SBD	Sub-Blok Deck	181	3565.03	3.57
5	HS1-SBBH	Sub-Blok Bulkhead	60	1317.52	1.32
Total =			387	10501.38	10.50

- Desain blok 30 ft

Berikut dibawah salah satu perhitungan berat komponen untuk blok HS 1

BLOK HS 1 (Hull Structure)

Item Komponen		Kode	Volume (mm3)	Volume (m3)	Berat (kg)	Berat (ton)
Sub-Blok Bottom		HS1-SBBT				
1	Center Girder	HS1-SBBT-CG-CF	32136512.10	0.03	252.27	0.25
2	Center Girder	HS1-SBBT-CG-CB	15725581.60	0.02	123.45	0.12
3	Side Girder	HS1-SBBT-SG-PS-1	1288710.56	0.00	10.12	0.01
4	Side Girder	HS1-SBBT-SG-SS-1	1288710.56	0.00	10.12	0.01
5	Side Girder	HS1-SBBT-SG-PS-2(1)	1288710.56	0.00	10.12	0.01
6	Side Girder	HS1-SBBT-SG-PS-2(2)	2149732.69	0.00	16.88	0.02
7	Side Girder	HS1-SBBT-SG-PS-2(3)	2182394.14	0.00	17.13	0.02
8	Side Girder	HS1-SBBT-SG-PS-2(4)	2068656.63	0.00	16.24	0.02
9	Side Girder	HS1-SBBT-SG-PS-2(5)	2146746.10	0.00	16.85	0.02
Total =					13604.11	13.60



Sub-Blok Port Side		HS1-SBPS				
1	Main Frame	HS1-SBPS-MF4	794104.76	0.00	6.23	0.01
2	Main Frame	HS1-SBPS-MF3	673239.97	0.00	5.28	0.01
3	Main Frame	HS1-SBPS-MF1	442839.54	0.00	3.48	0.00
4	Main Frame	HS1-SBPS-MF(-1)	338631.18	0.00	2.66	0.00
5	Main Frame	HS1-SBPS-MF(-2)	300429.61	0.00	2.36	0.00
6	Main Frame	HS1-SBPS-MF6	1080563.17	0.00	8.48	0.01
7	Main Frame	HS1-SBPS-MF7	1223572.74	0.00	9.61	0.01
8	Main Frame	HS1-SBPS-MF9	1437966.14	0.00	11.29	0.01
9	Main Frame	HS1-SBPS-MF10	1494566.95	0.00	11.73	0.01
10	Main Frame	HS1-SBPS-MF12	1544698.12	0.00	12.13	0.01
11	Main Frame	HS1-SBPS-MF13	1547657.99	0.00	12.15	0.01
...						
Total =					1149.51	1.15

Sub-Blok Starboard Side		HS1-SBSS				
1	Main Frame	HS1-SBSS-MF4	794104.76	0.00	6.23	0.01
2	Main Frame	HS1-SBSS-MF3	673239.97	0.00	5.28	0.01
3	Main Frame	HS1-SBSS-MF1	442839.54	0.00	3.48	0.00
4	Main Frame	HS1-SBSS-MF(-1)	338631.18	0.00	2.66	0.00
5	Main Frame	HS1-SBSS-MF(-2)	300429.61	0.00	2.36	0.00
6	Main Frame	HS1-SBSS-MF6	1080563.17	0.00	8.48	0.01
7	Main Frame	HS1-SBSS-MF7	1223572.74	0.00	9.61	0.01
8	Main Frame	HS1-SBSS-MF9	1437966.14	0.00	11.29	0.01
9	Main Frame	HS1-SBSS-MF10	1494566.95	0.00	11.73	0.01
10	Main Frame	HS1-SBSS-MF12	1544698.12	0.00	12.13	0.01
Total =					1149.51	1.15



Sub-Blok <i>Deck</i>		HS1-SBD				
1	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-1	267895.77	0.00	2.10	0.00
2	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-2	267983.31	0.00	2.10	0.00
3	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-3	268544.51	0.00	2.11	0.00
4	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-4	299536.60	0.00	2.35	0.00
5	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-5	169050.22	0.00	1.33	0.00
6	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-6	337057.85	0.00	2.65	0.00
7	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-7	165774.77	0.00	1.30	0.00
8	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-8	199977.55	0.00	1.57	0.00
9	Transversal Deck Beam	HS1-SBD-TDB(-2)-PS-9	311044.75	0.00	2.44	0.00
10	Transversal Deck Beam	HS1-SBD-TDB(-2)-SS-1	267895.77	0.00	2.10	0.00
11	Transversal Deck Beam	HS1-SBD-TDB(-2)-SS-2	267983.31	0.00	2.10	0.00
...						
Total =					7681.94	7.68

Sub-Blok <i>Bulkhead</i>		HS1-SBBH				
1	Bulkhead Plate	HS1-SBBH-BP-C	35951480.00	0.04	282.22	0.28
2	Bulkhead Plate	HS1-SBBH-BP-PS	24244130.00	0.02	190.32	0.19
3	Bulkhead Plate	HS1-SBBH-BP-SS	24244130.00	0.02	190.32	0.19
4	Ballast Water Tank 2 Plate	HS1-SBBH-BWT2P-PS	26835255.50	0.03	210.66	0.21
5	Ballast Water Tank 2 Plate	HS1-SBBH-BWT2P-SS	26835255.50	0.03	210.66	0.21
6	Bulkhead Stiffener	HS1-SBBH-BS-C	1528655.35	0.00	12.00	0.01
7	Bulkhead Stiffener	HS1-SBBH-BS2-PS-1	1053232.00	0.00	8.27	0.01
8	Bulkhead Stiffener	HS1-SBBH-BS2-PS-2	1034224.50	0.00	8.12	0.01
9	Bulkhead Stiffener	HS1-SBBH-BS2-PS-3	743511.91	0.00	5.84	0.01
10	Bulkhead Stiffener	HS1-SBBH-BS2-PS-4	1398167.65	0.00	10.98	0.01
11	Bulkhead Stiffener	HS1-SBBH-BS2-PS-5	920617.72	0.00	7.23	0.01
...						
Total =					1317.52	1.32



Hasil akumulasi berat komponen tiap sub-blok pada blok HS 1, sebagai berikut.

No.	Kode	Nama Sub Blok	Jumlah Komponen	Berat (Kg)	Berat (Ton)
1	HS1-SBBT	Sub-Blok Bottom	271	13604.11	13.60
2	HS1-SBPS	Sub-Blok Port Side	36	1149.51	1.15
3	HS1-SBSS	Sub-Blok Starboard Side	36	1149.51	1.15
4	HS1-SBD	Sub-Blok Deck	393	7681.94	7.68
5	HS1-SBBH	Sub-Blok Bulkhead	60	1317.52	1.32
Total =			796	24902.59	24.90



Lampiran 17 Rencana pemotongan (*nesting plan*)

Panjang pelat yang digunakan adalah 20 dan 30 ft dengan lebar 5 ft.

Workable length atau panjang masih dapat digunakan dalam satuan mm.

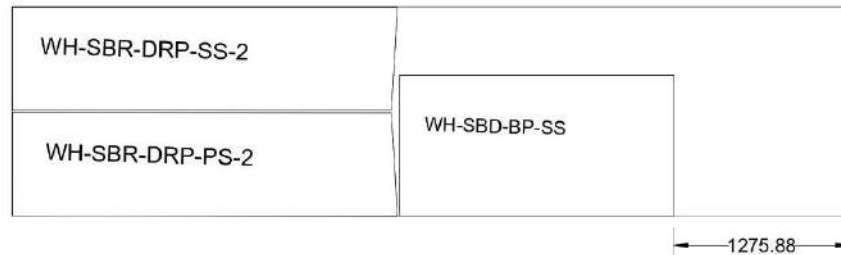
Panjang Pelat 20 ft



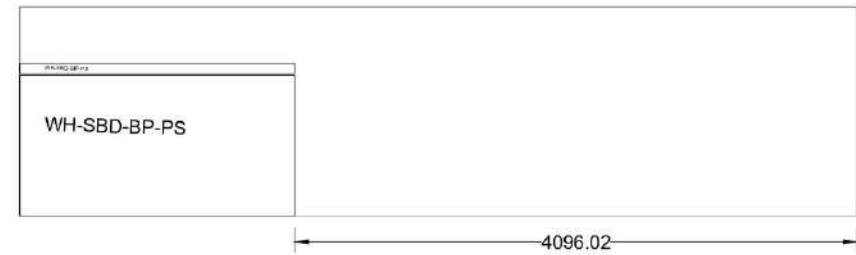
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trial version
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Pelat 5 mm

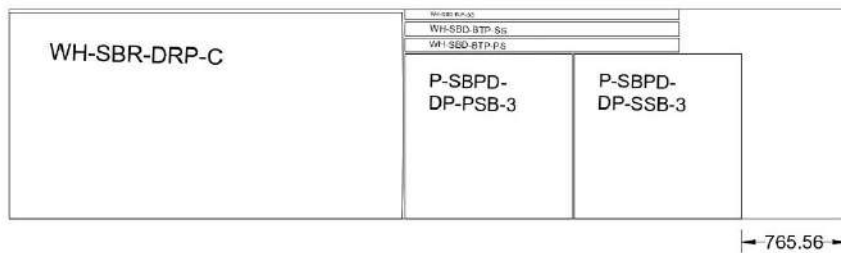
P5-01



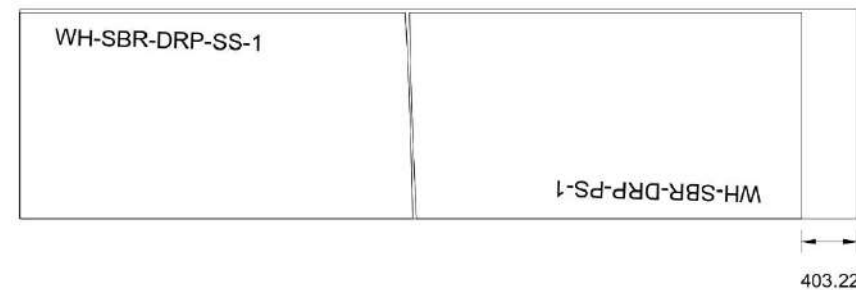
P5-02



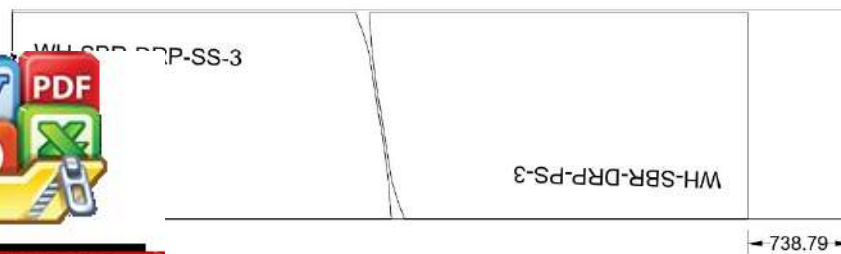
P5-03



P5-04

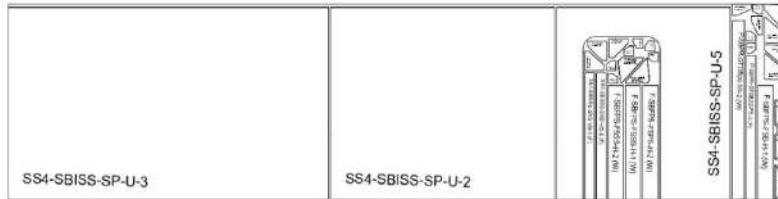


P5-05



Pelat 6 mm

P6-01



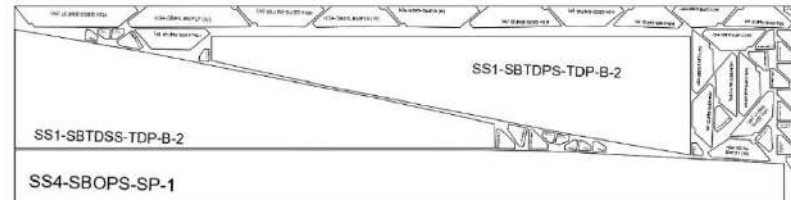
P6-05



P6-02



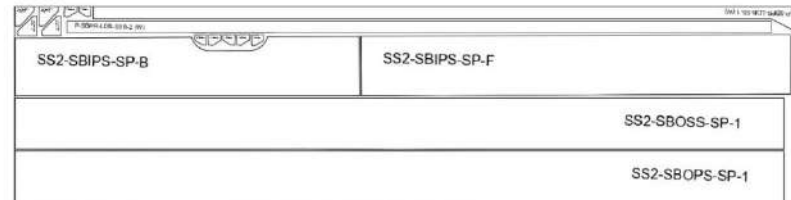
P6-06



P6-03



P6-07



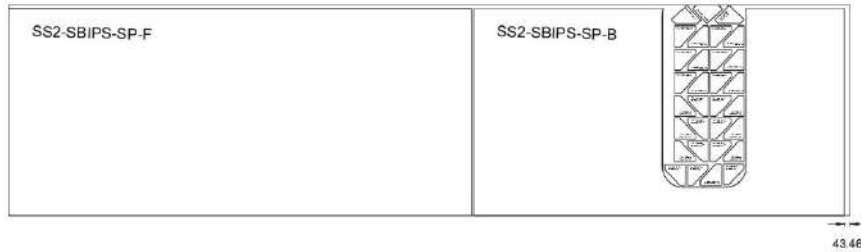
P6-04



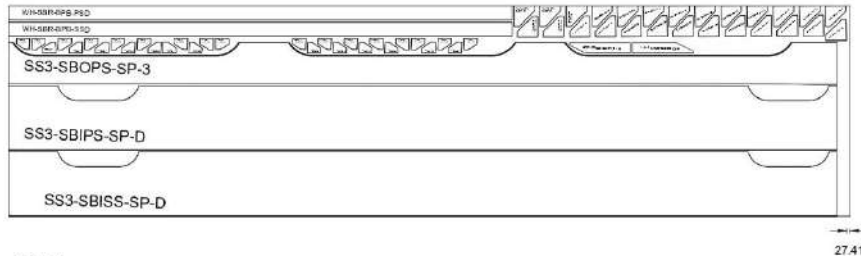
P6-08



P6-09



P6-10



P6-11



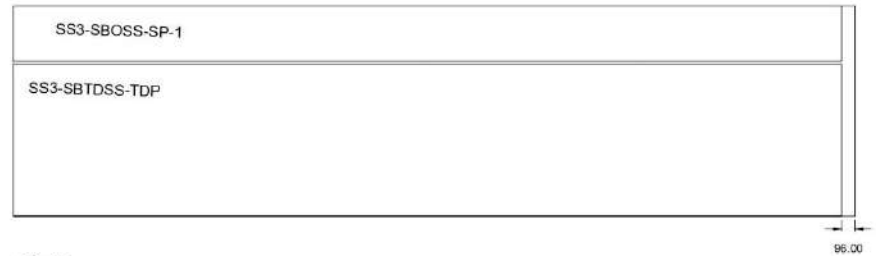
P6-12



P6-13



P6-14



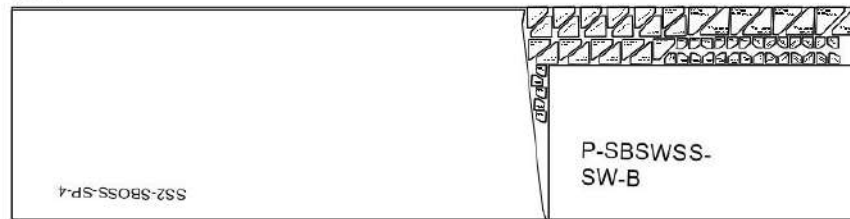
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P6-16



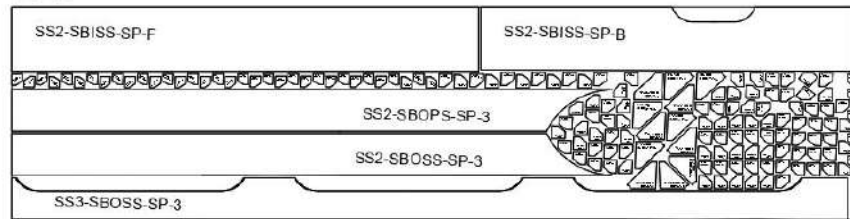
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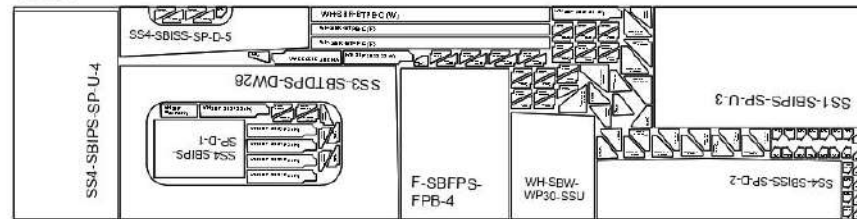
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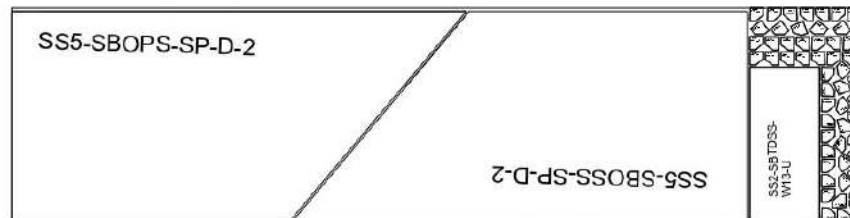
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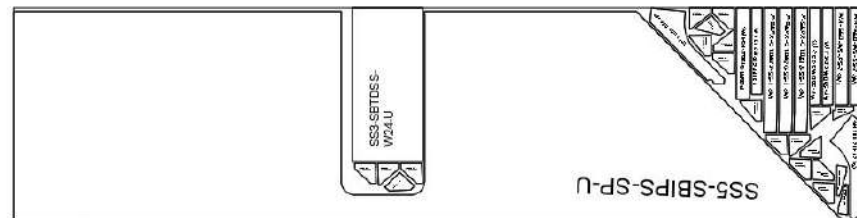
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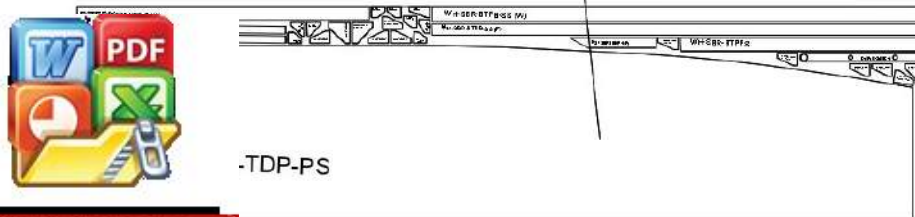
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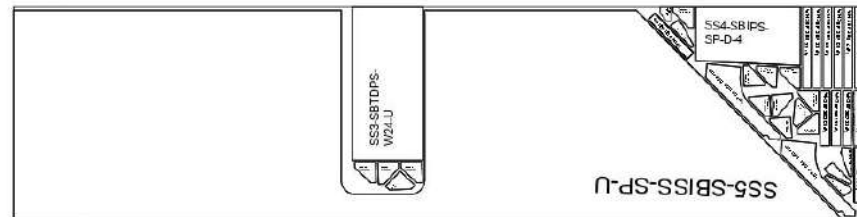
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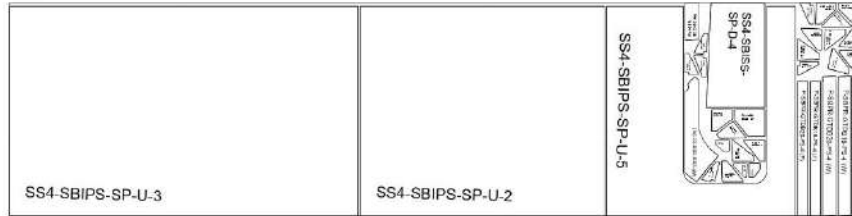
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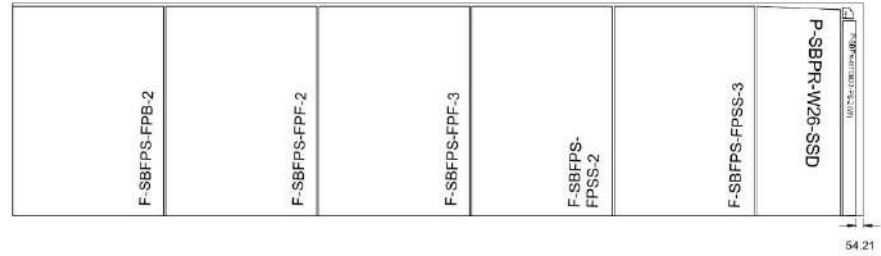
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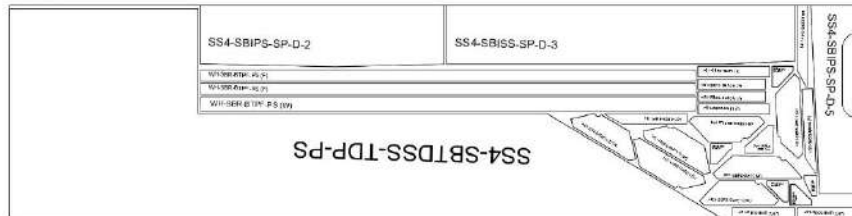
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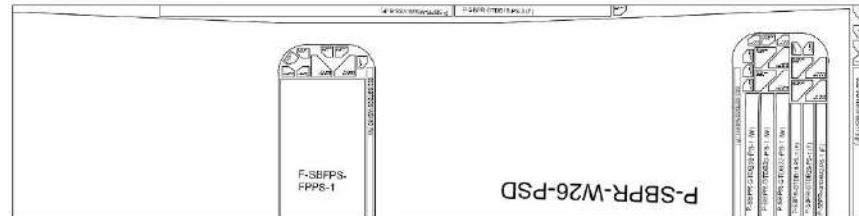
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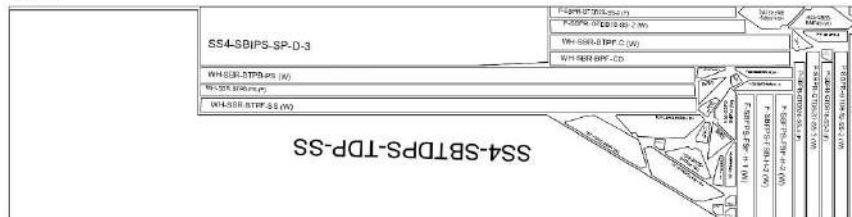
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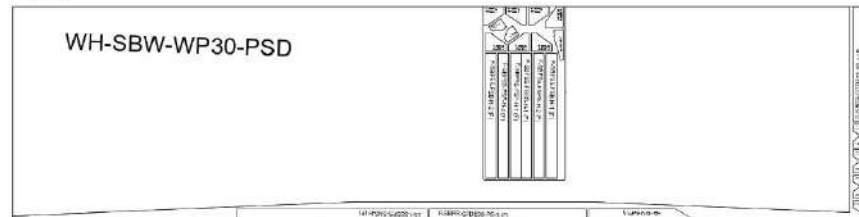
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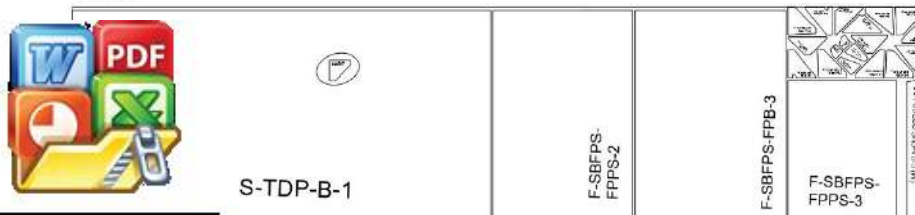
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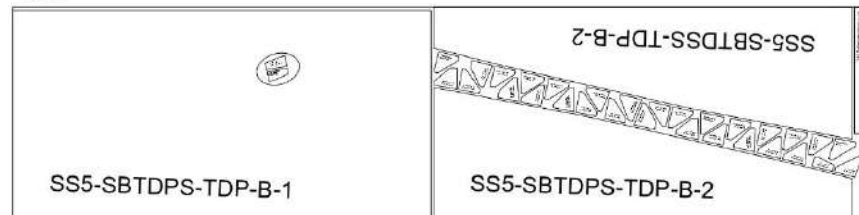
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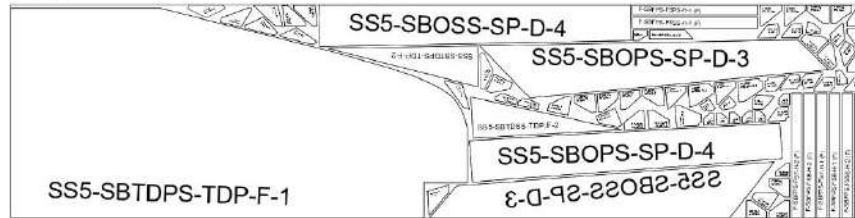
P6-28



P6-32



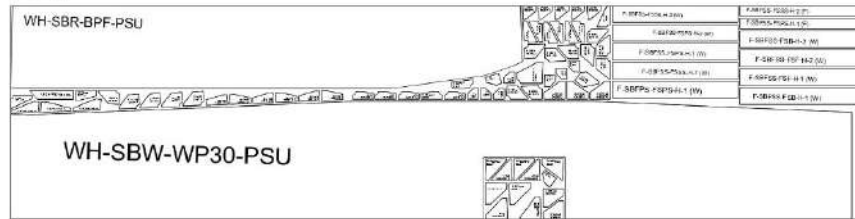
P6-33



P6-37



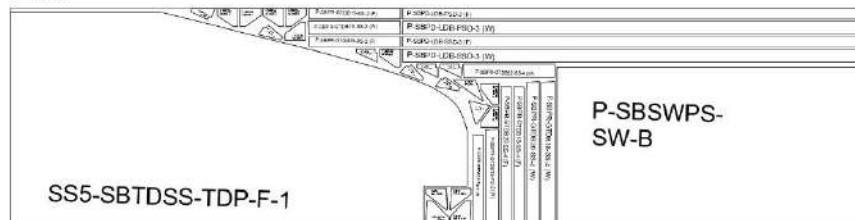
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P6-38



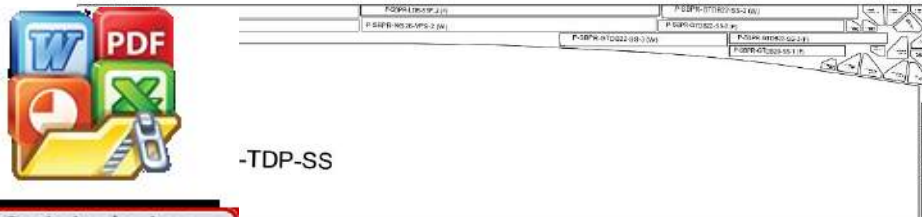
P6-35



P6-39



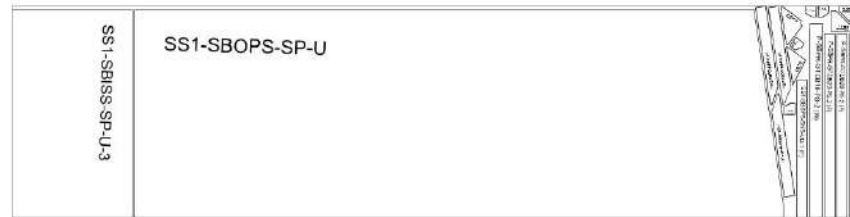
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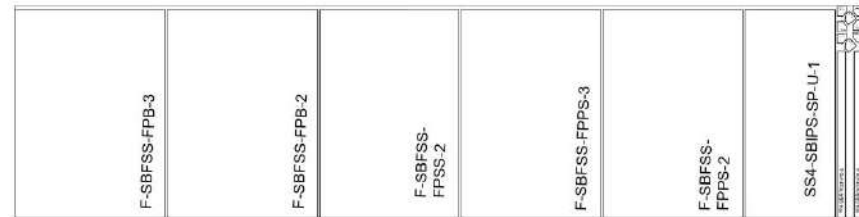
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P6-41



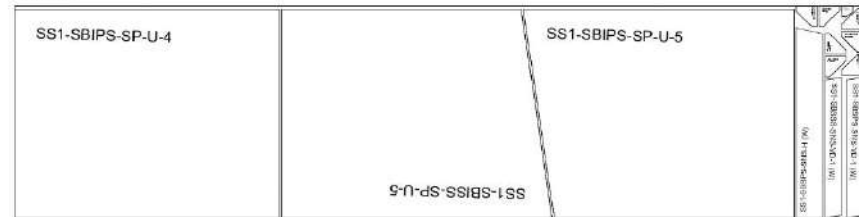
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P6-42



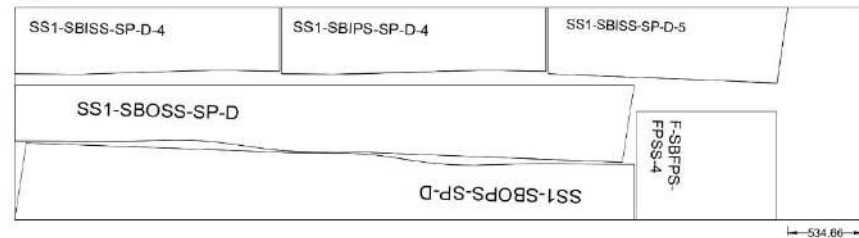
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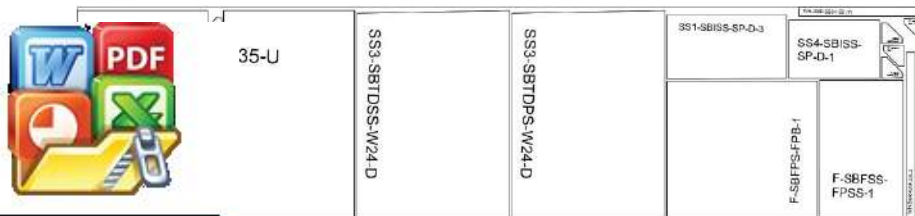
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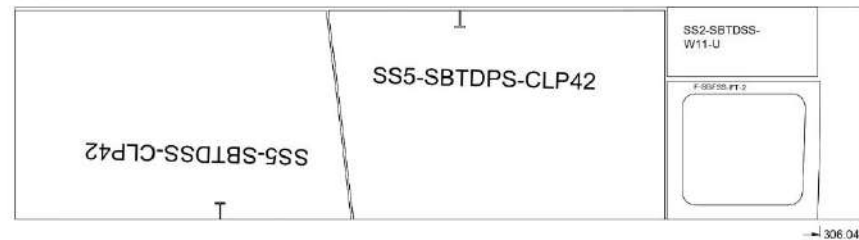
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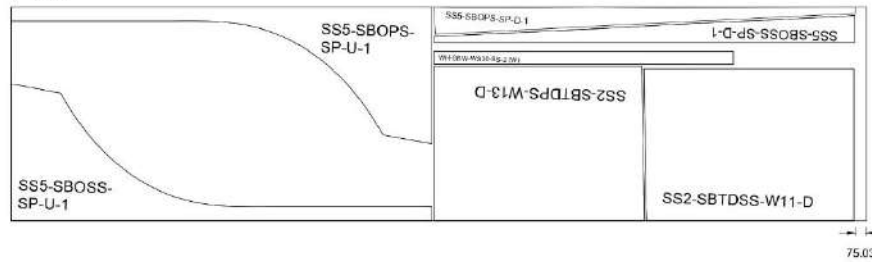
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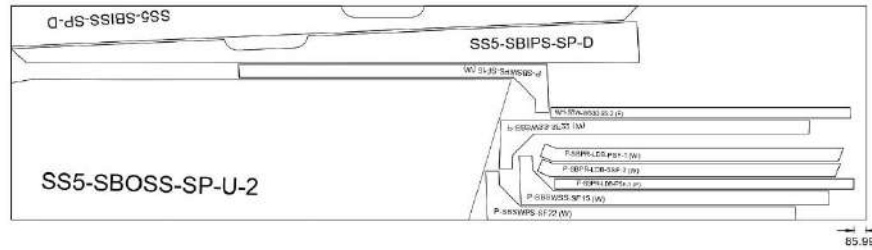
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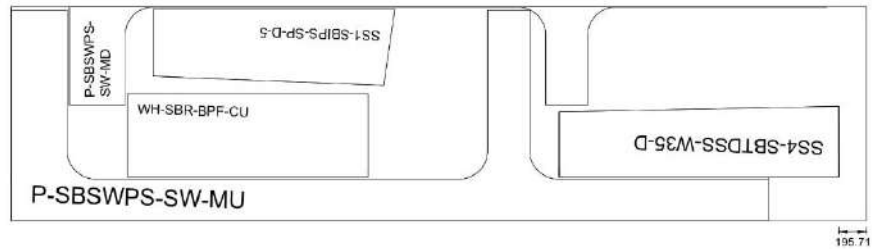
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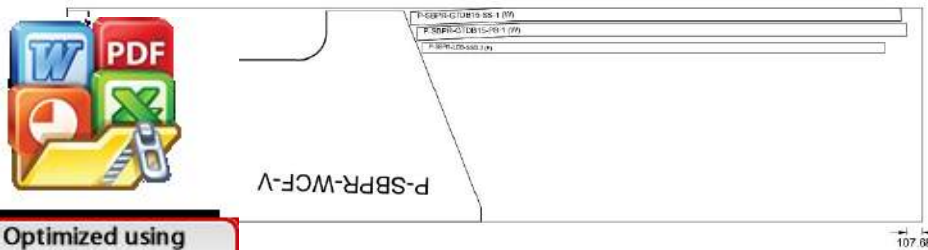
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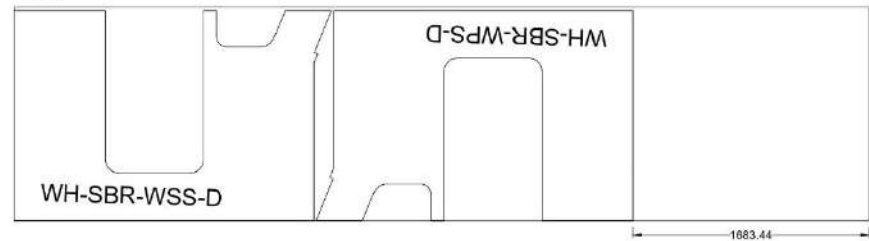
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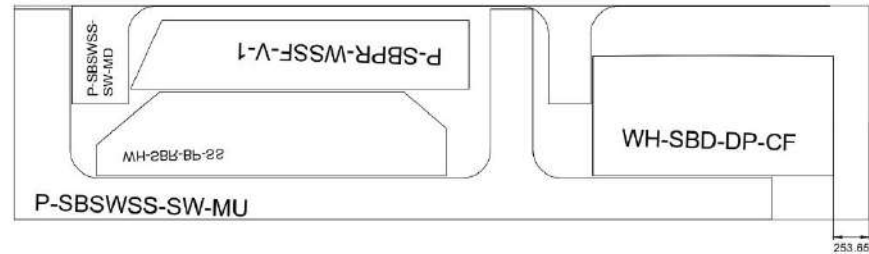
P6-52



P6-53



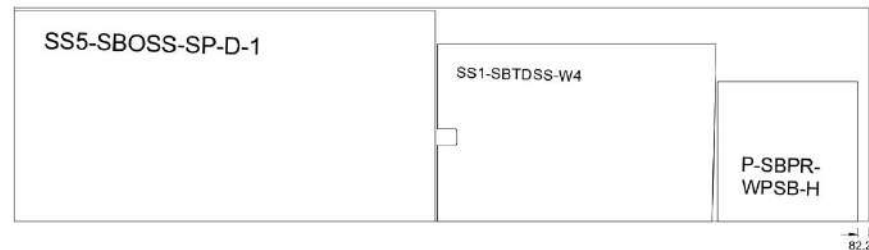
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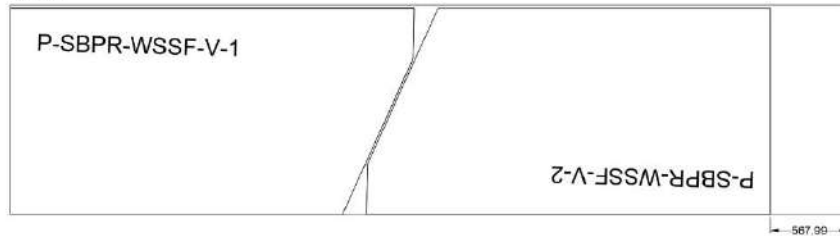
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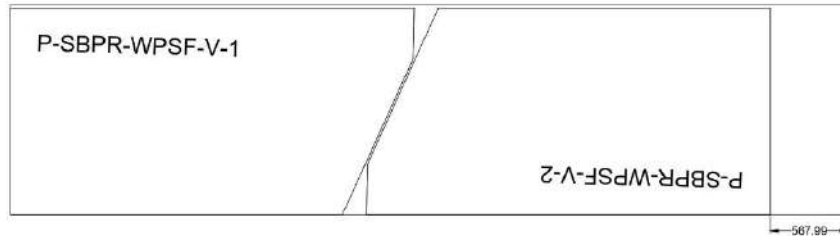
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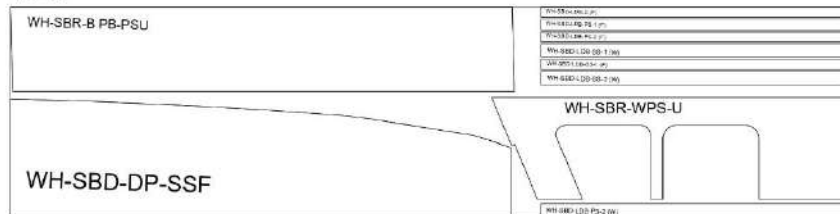
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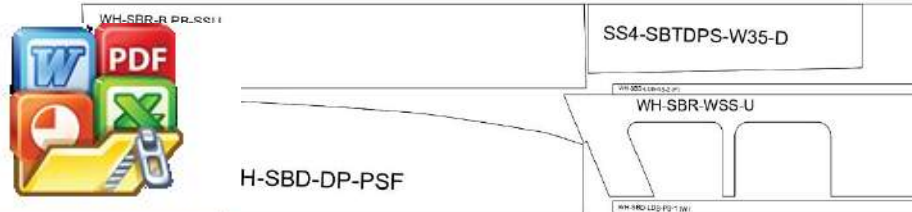
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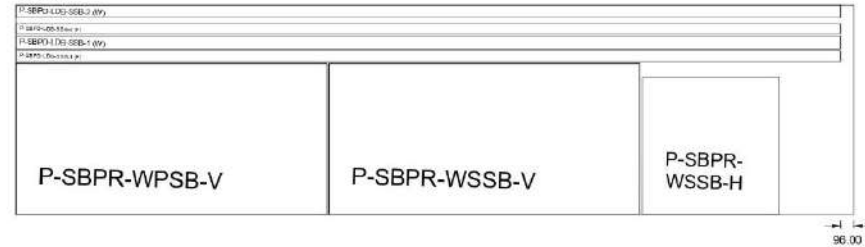
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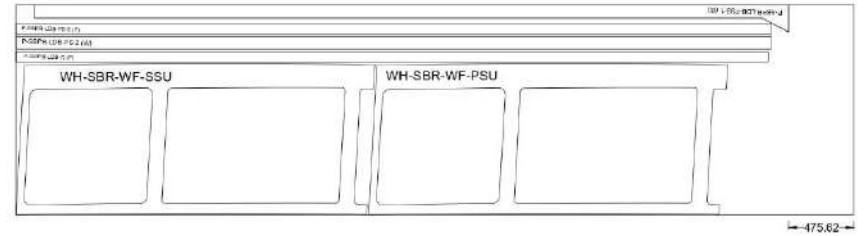
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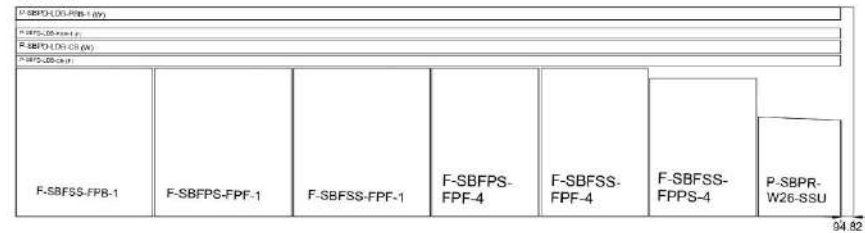
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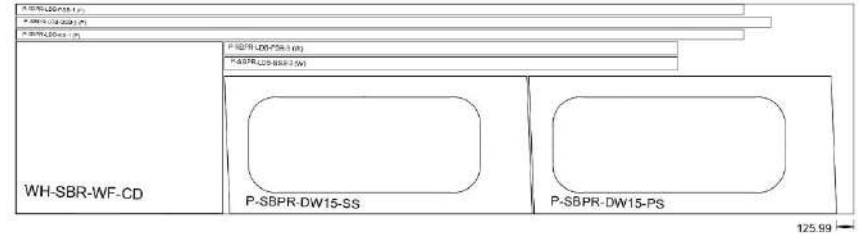
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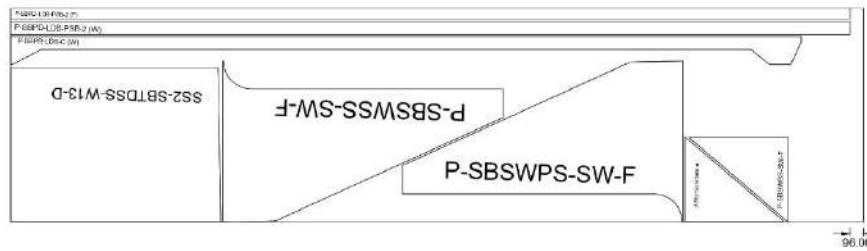
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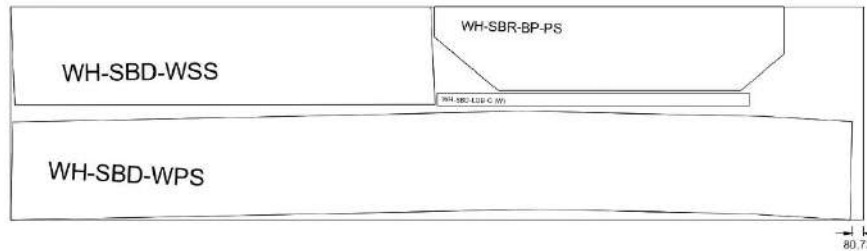
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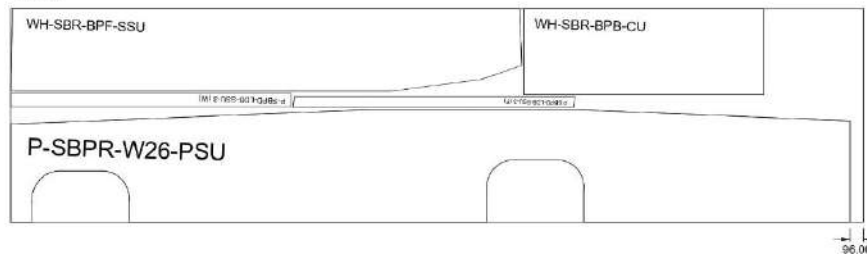
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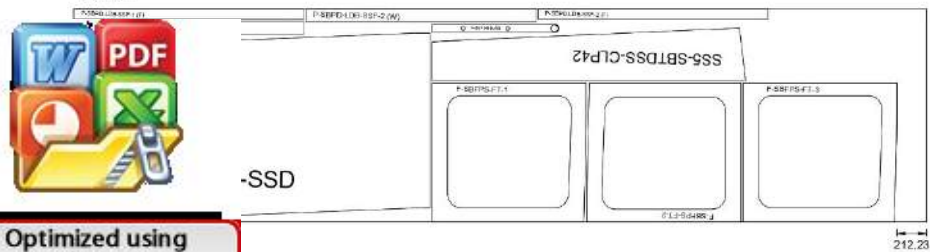
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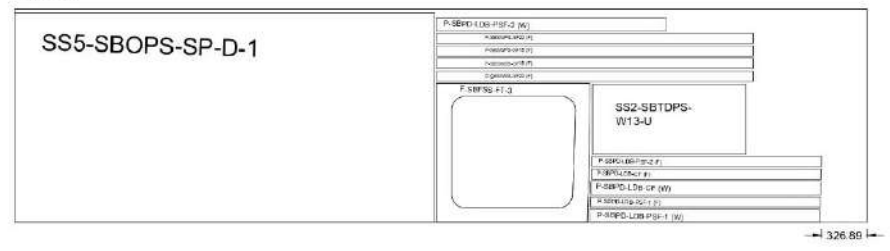
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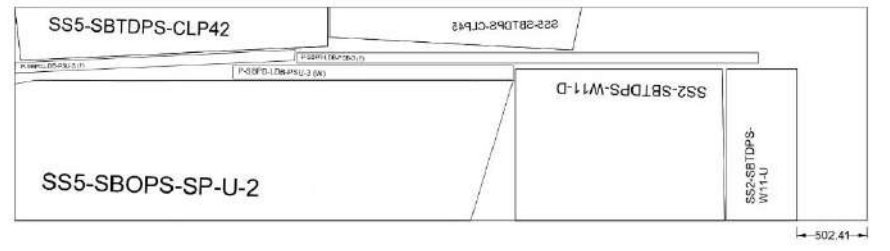
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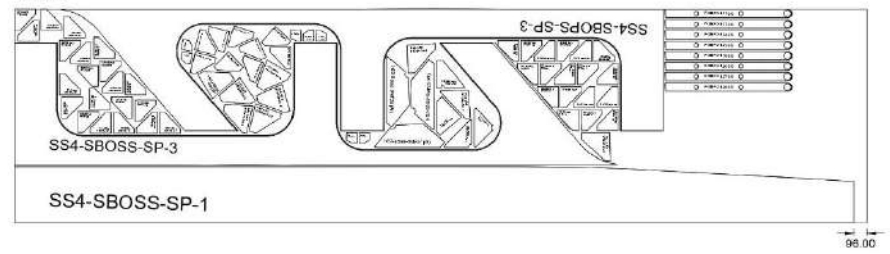
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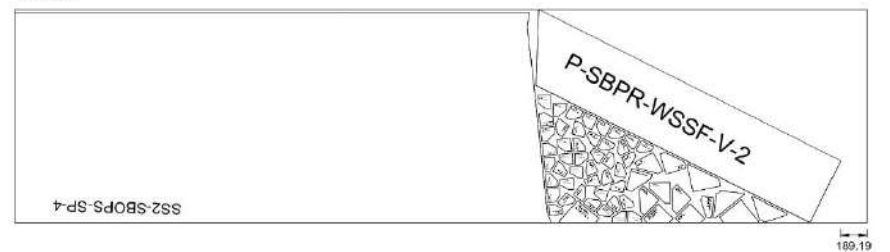
P6-70



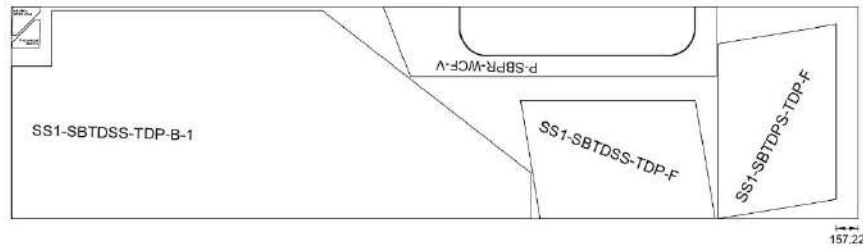
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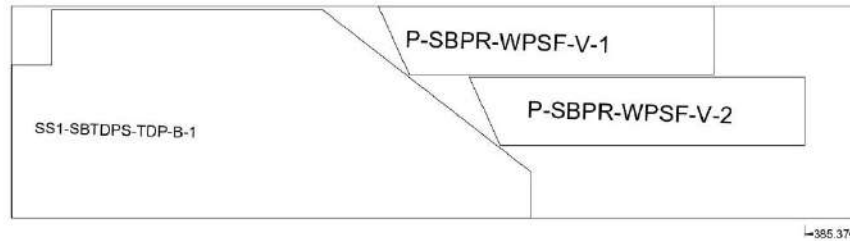
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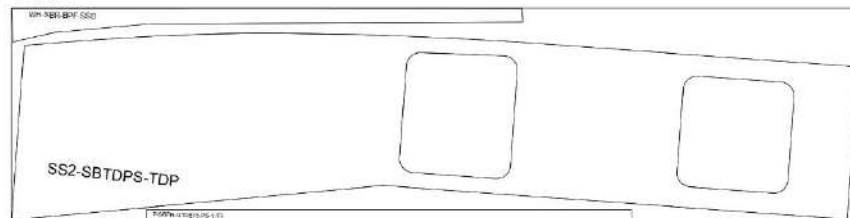
P6-73



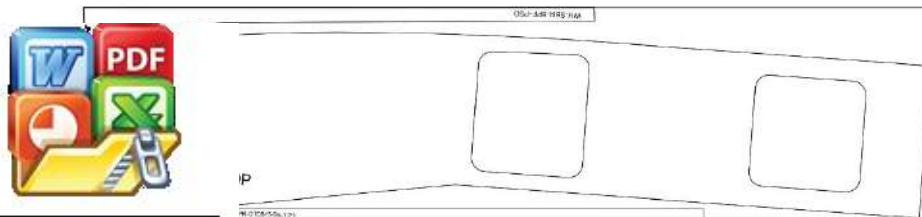
P6-74



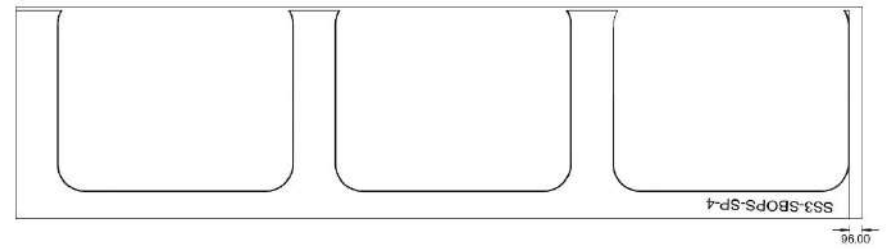
P6-75



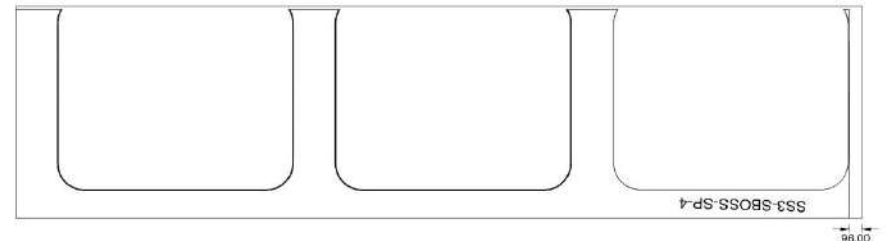
P6-76



P6-77



P6-78



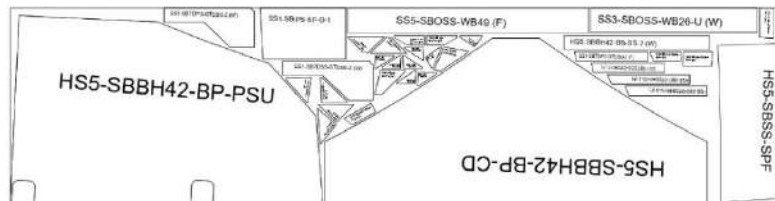
Pelat 7 mm

P7-01

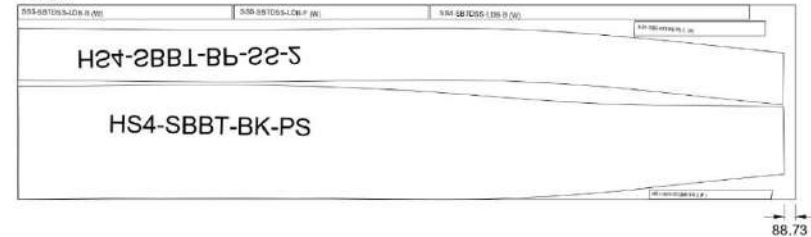


Pelat 8 mm

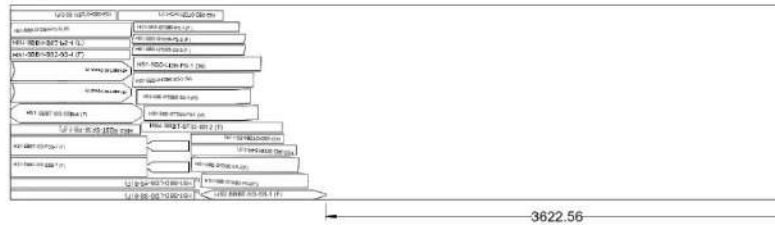
P8-01



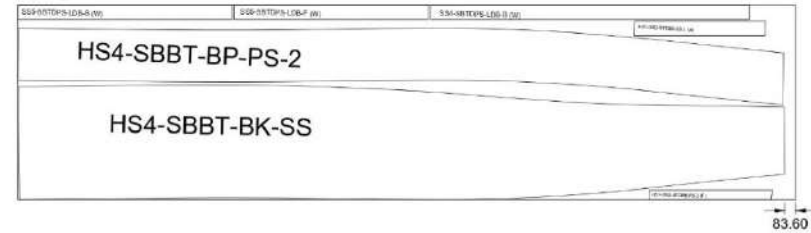
P8-05



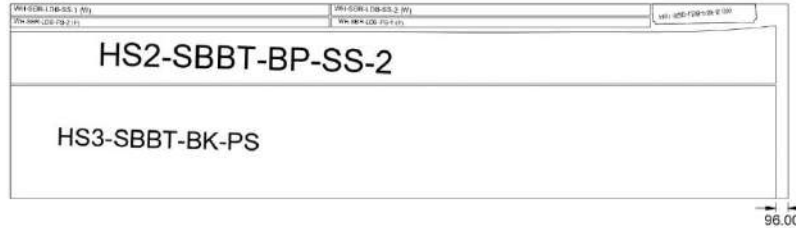
P8-02



P8-06



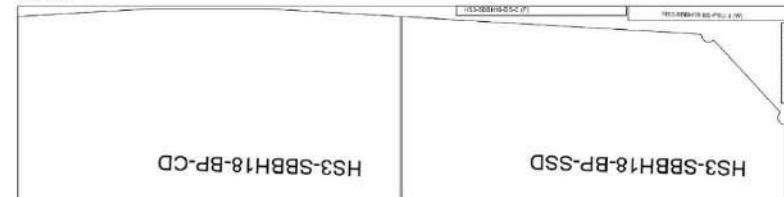
P8-03



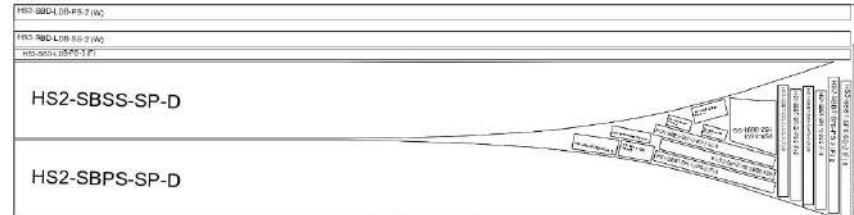
P8-07



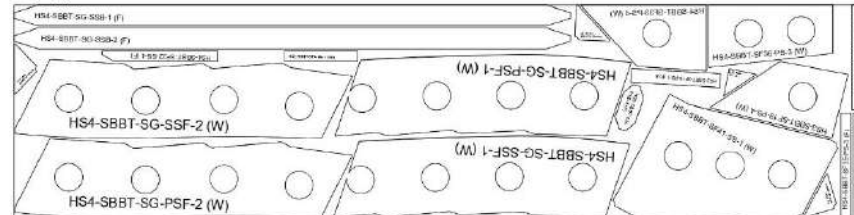
P8-08



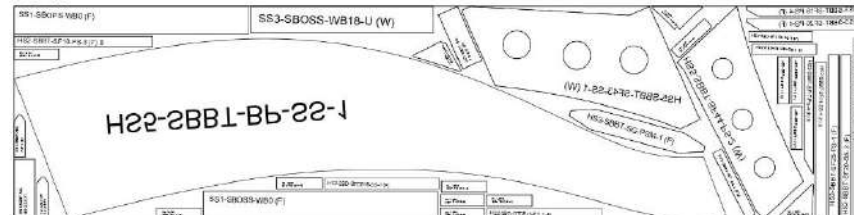
P8-17



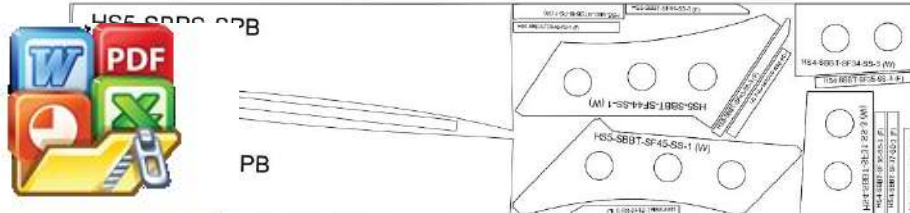
P8-18



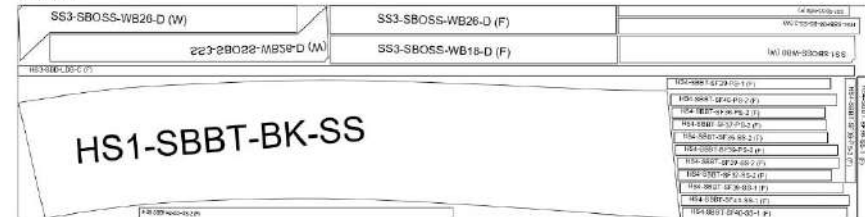
P8-19



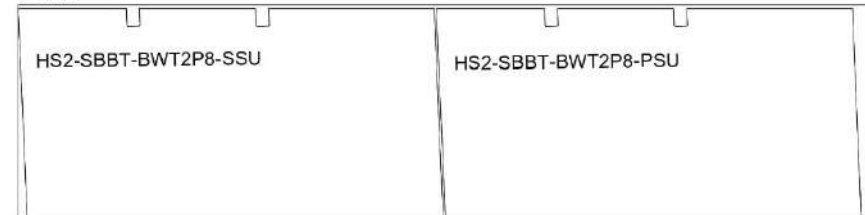
P8-20



P8-21

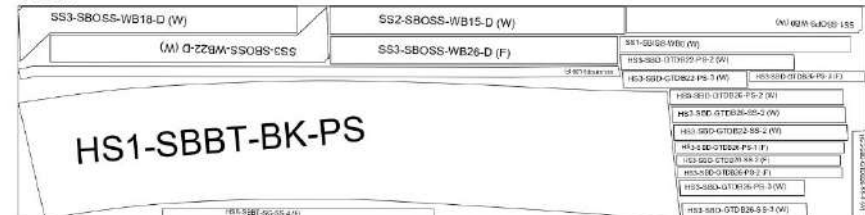


P8-22

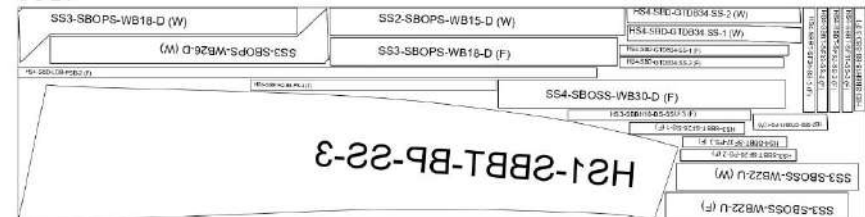


48.48

P8-23



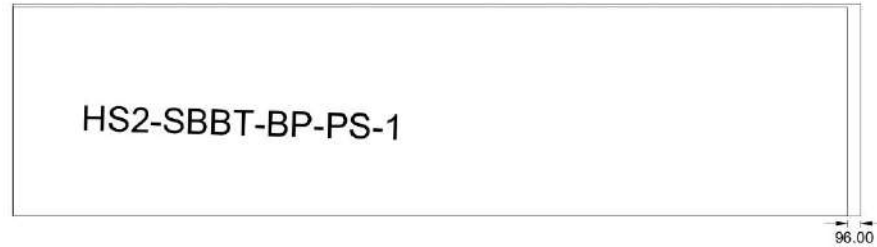
P8-24



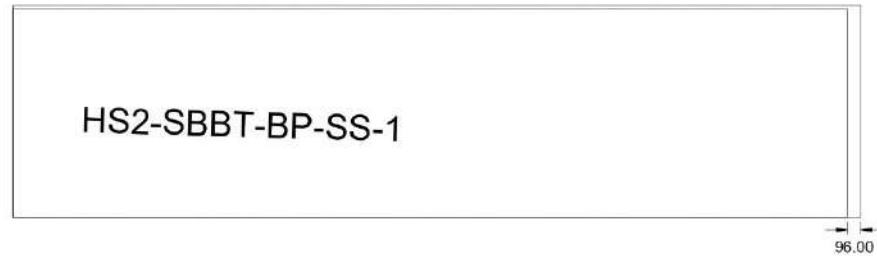
21.53



P8-25



P8-26



P8-27



P8-28



T-BP-SS-3

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P8-29



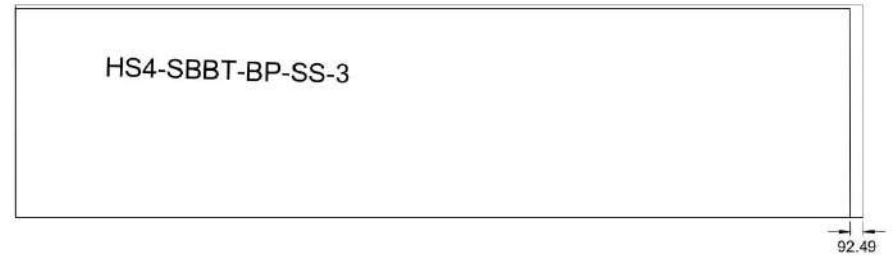
P8-30



P8-31



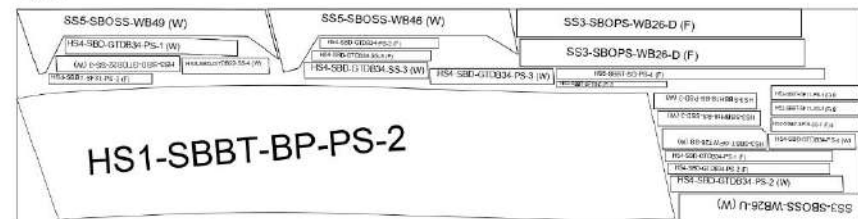
P8-32



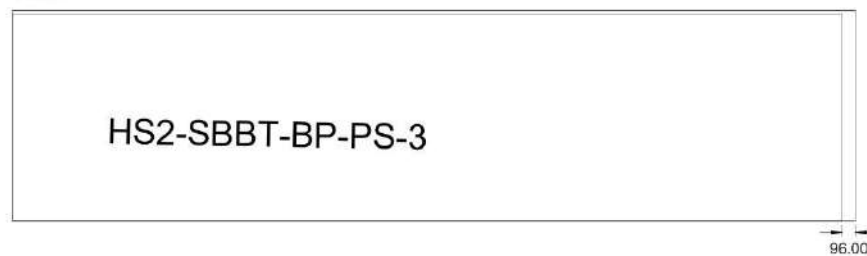
P8-33



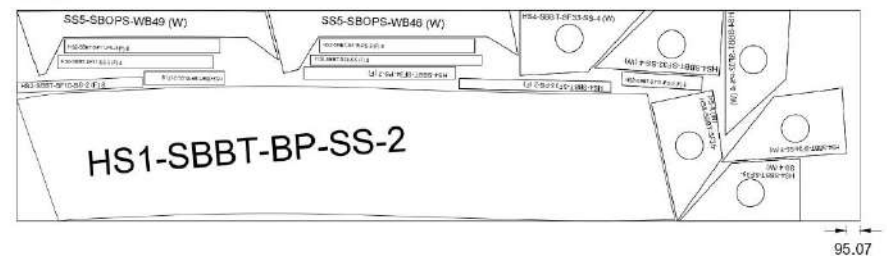
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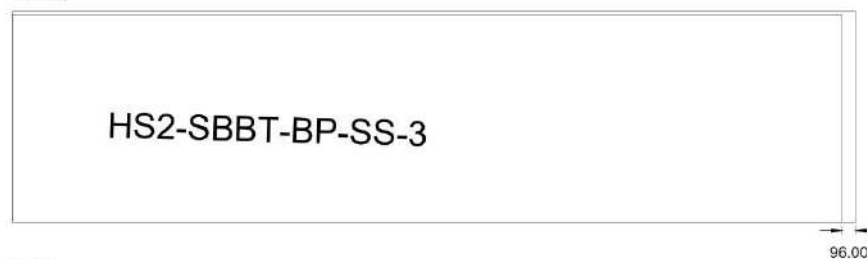
P8-34



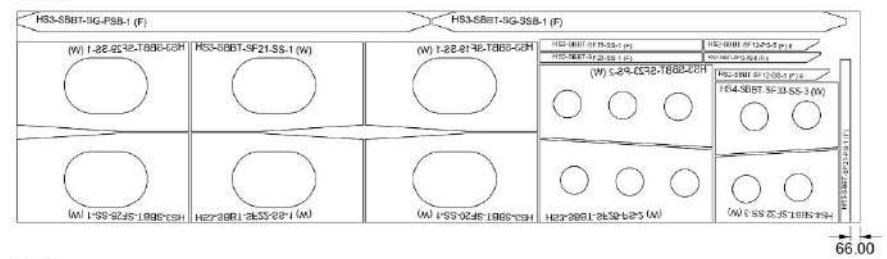
P8-38



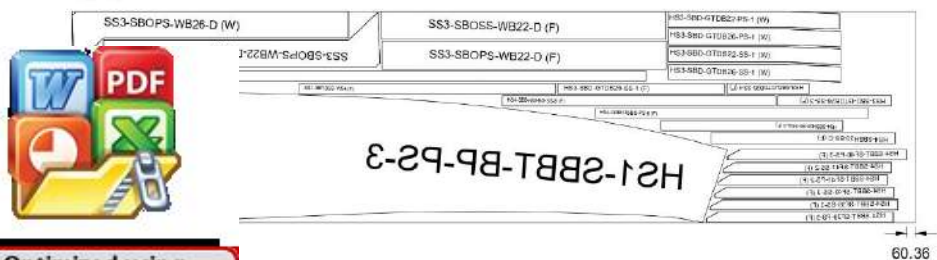
P8-35



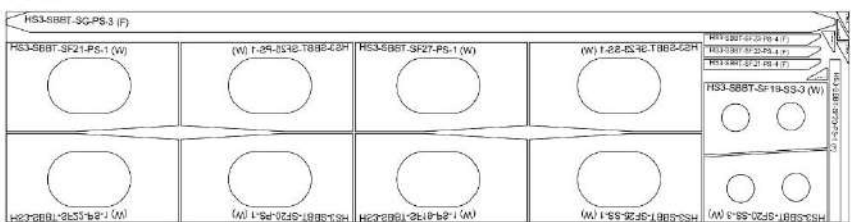
P8-39



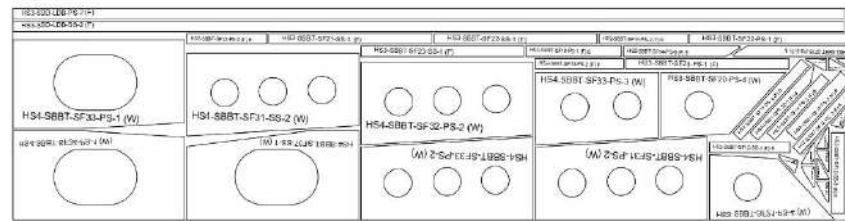
P8-36



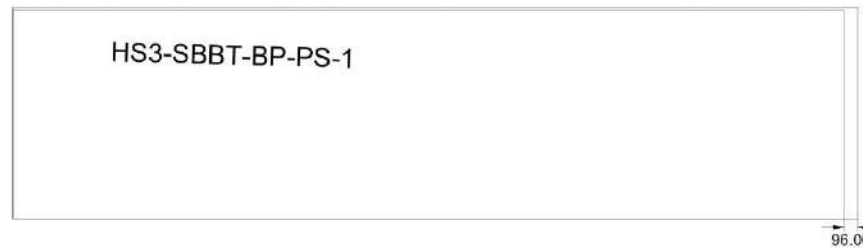
P8-40



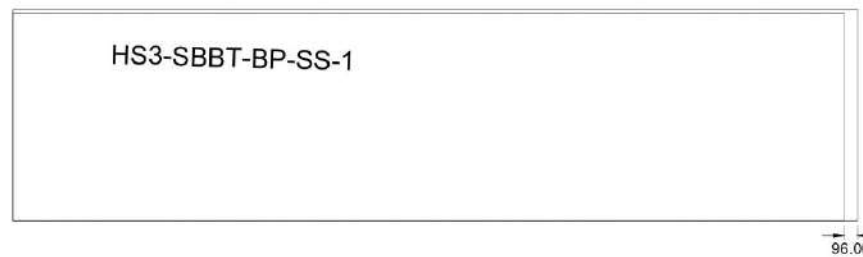
P8-41



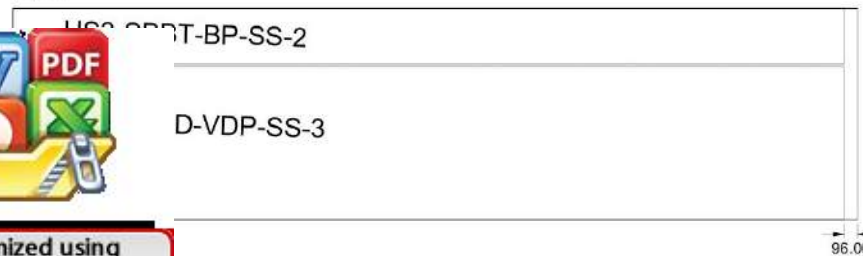
P8-42



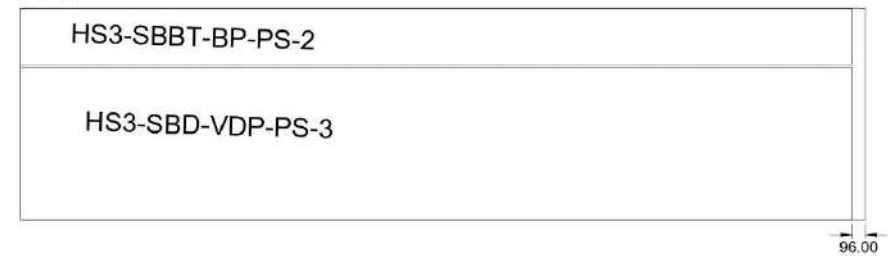
P8-43



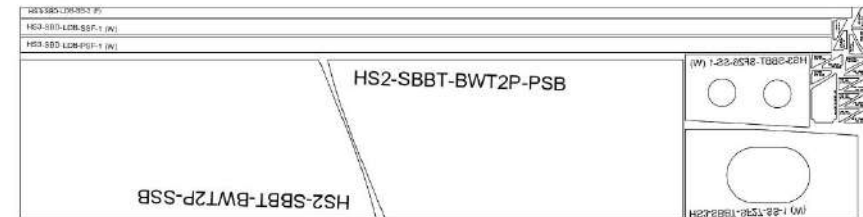
P8-44



P8-45



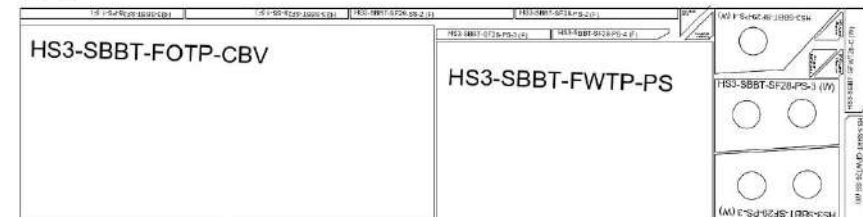
P8-46



P8-47



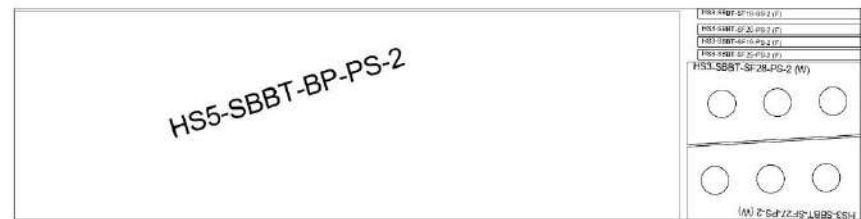
P8-48



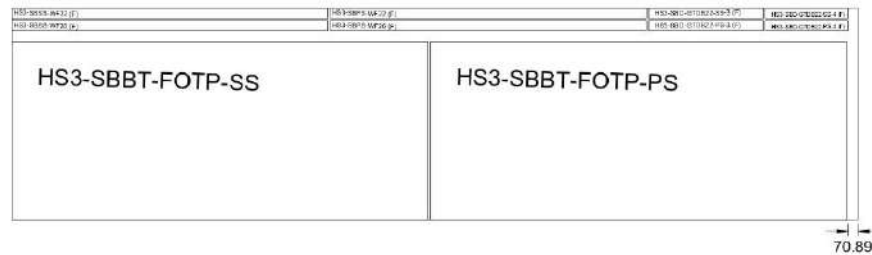
P8-49



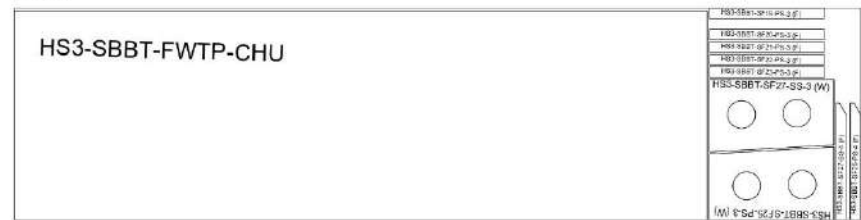
P8-53



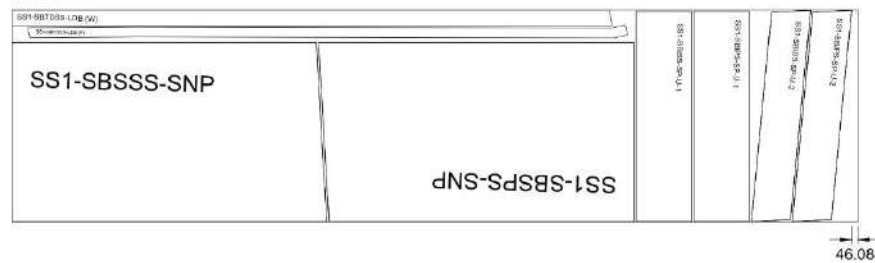
P8-50



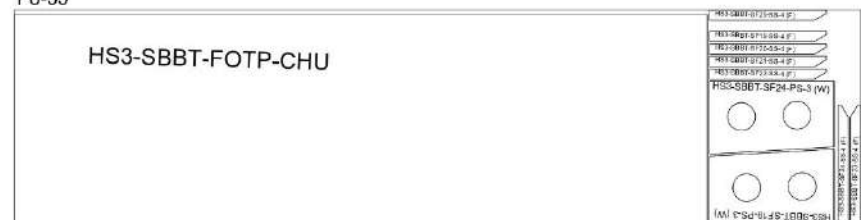
P8-54



P8-51



P8-55



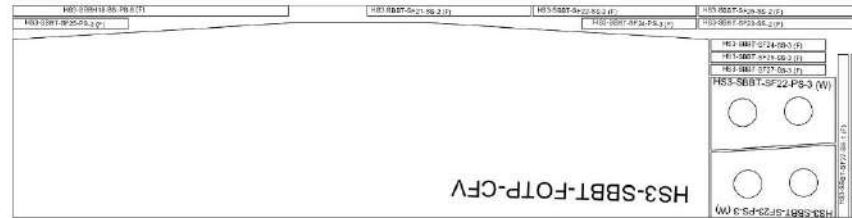
P8-52



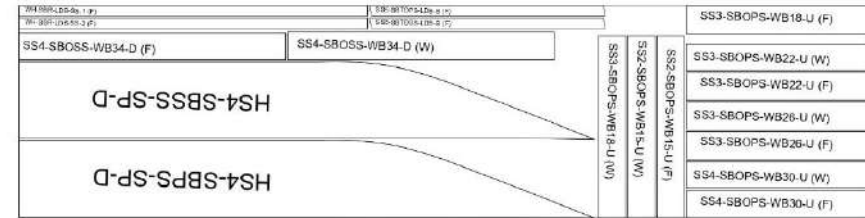
P8-56



P8-57



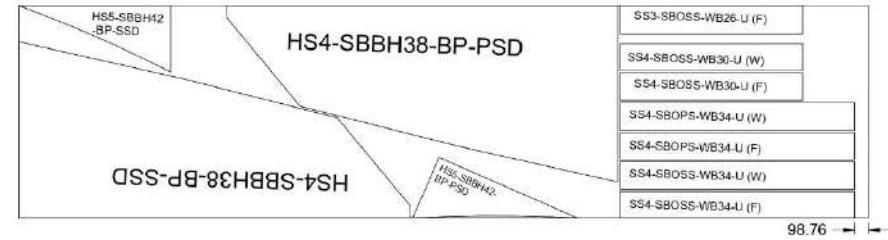
P8-61



P8-58



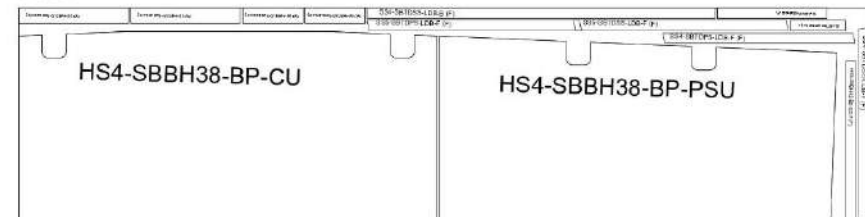
P8-62



P8-59



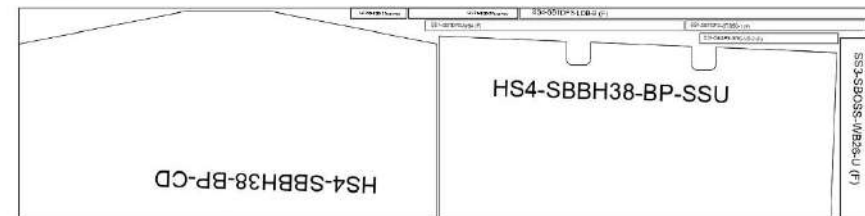
P8-63



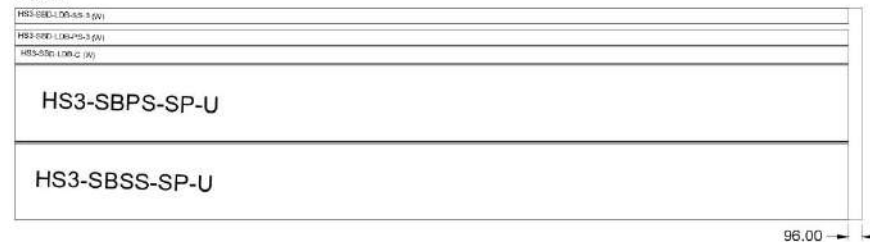
P8-60



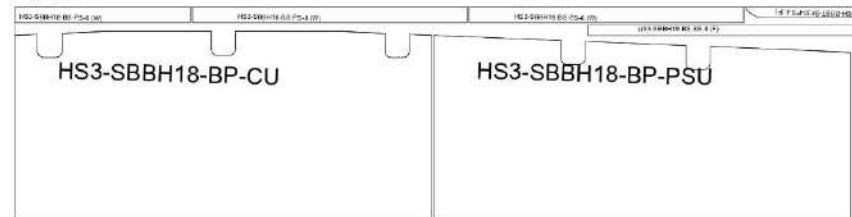
P8-64



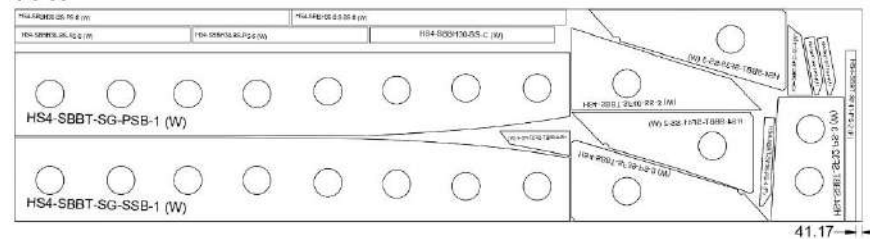
P8-81



P8-82



P8-83

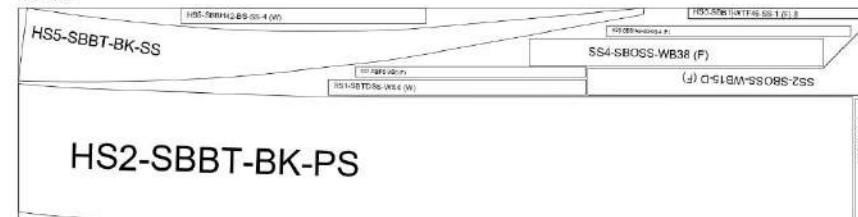


P8-84

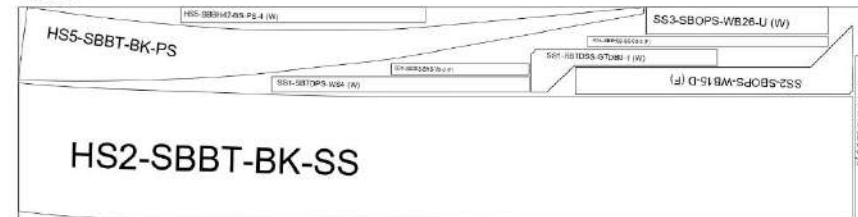


HS1-SBD-VDP-PS-3
HS1-SBD-VDP-SS-3

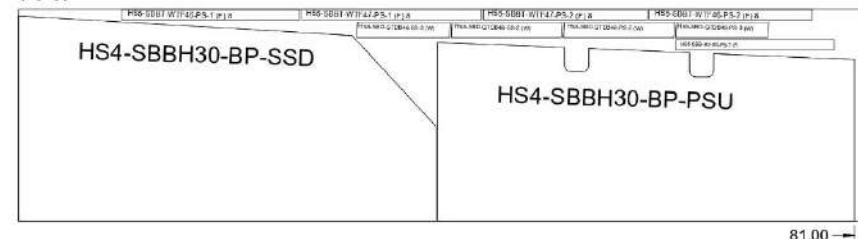
P8-85



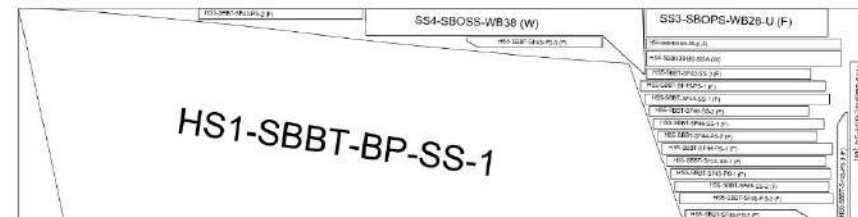
P8-86



P8-87



P8-88



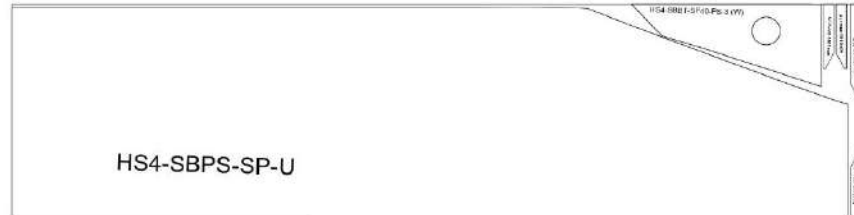
P8-89



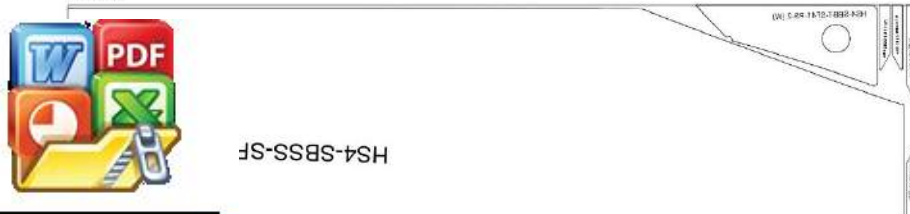
P8-90



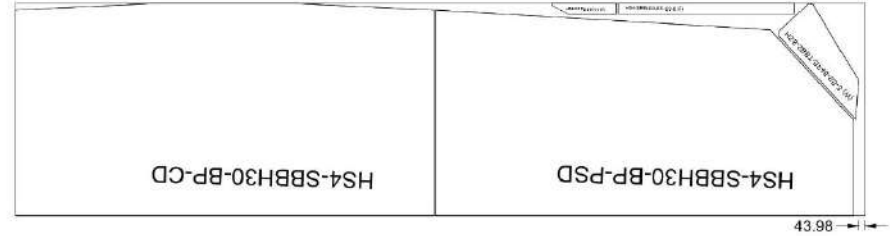
P8-91



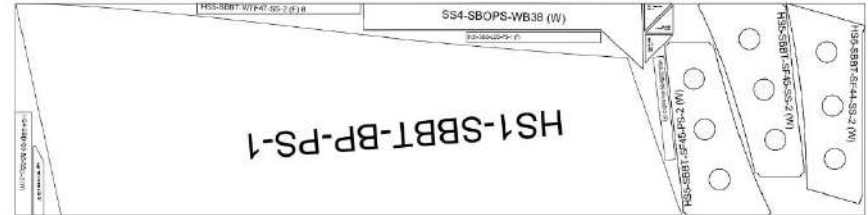
P8-92



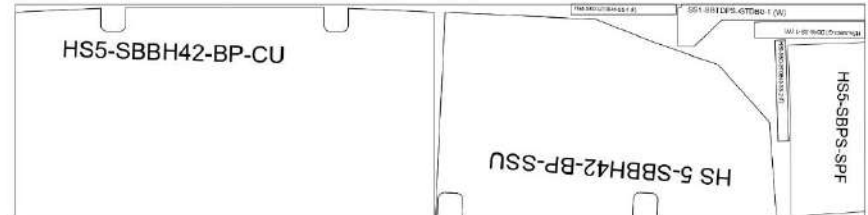
P8-93



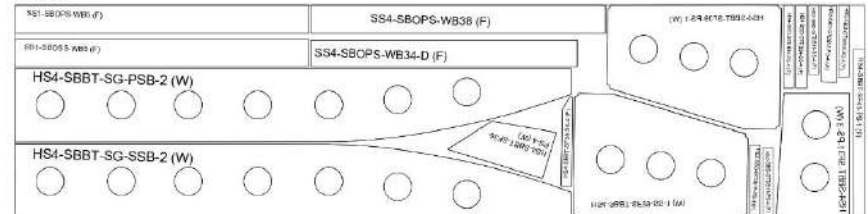
P8-94



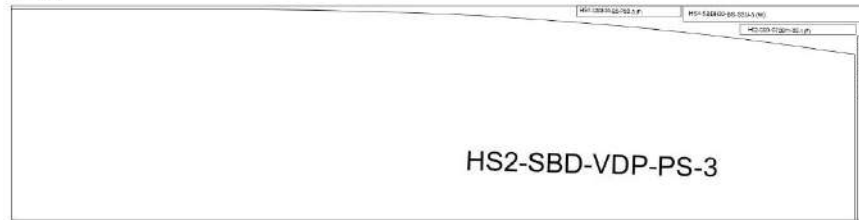
P8-95



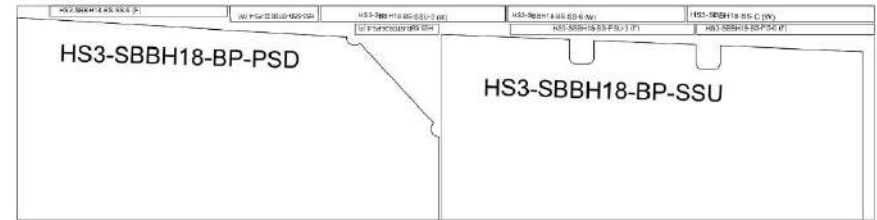
P8-96



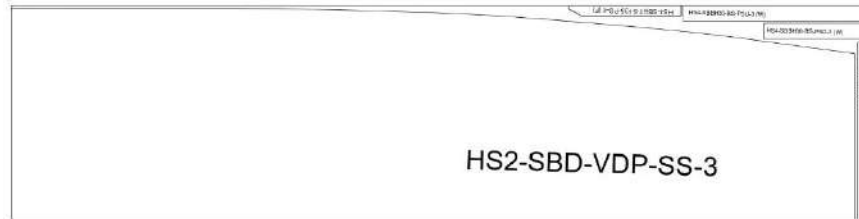
P8-97



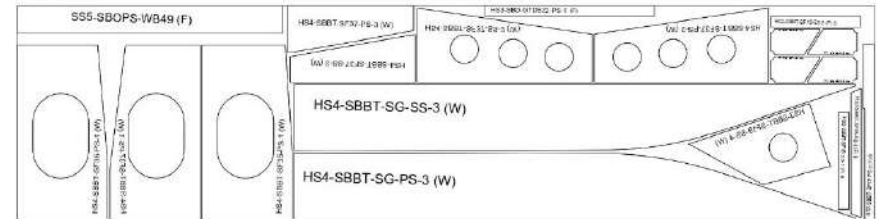
P8-101



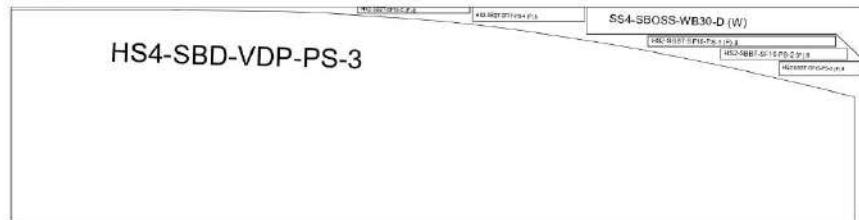
P8-98



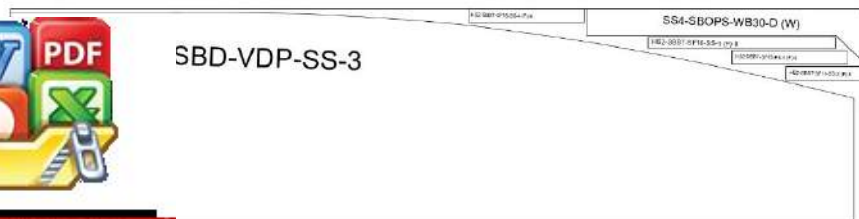
P8-102



P8-99

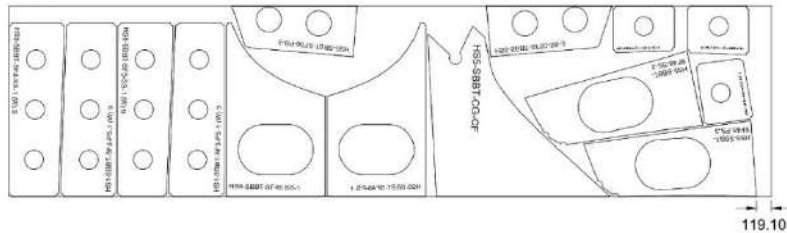


P8-100

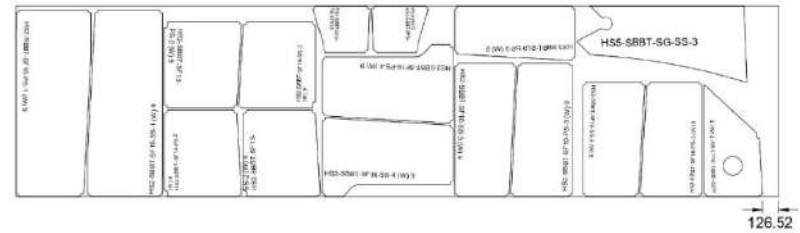


Pelat 9 mm

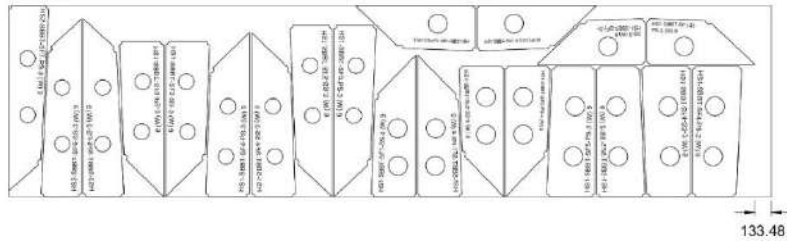
P9-01



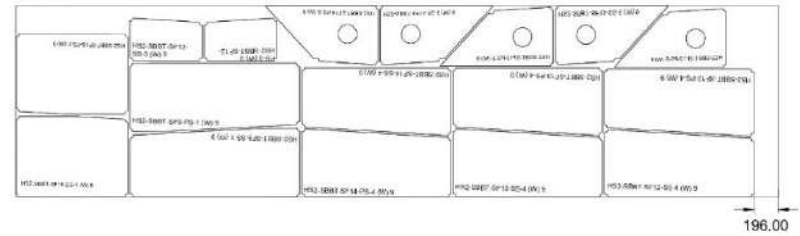
P9-05



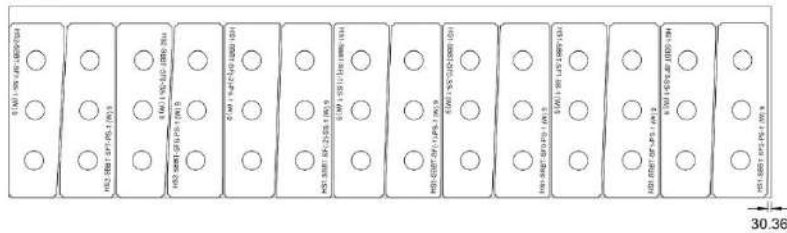
P9-02



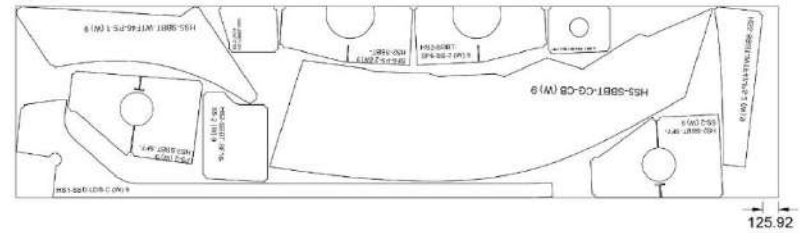
P9-06



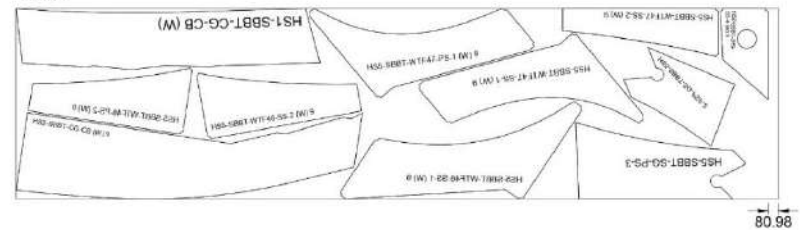
P9-03



P9-07

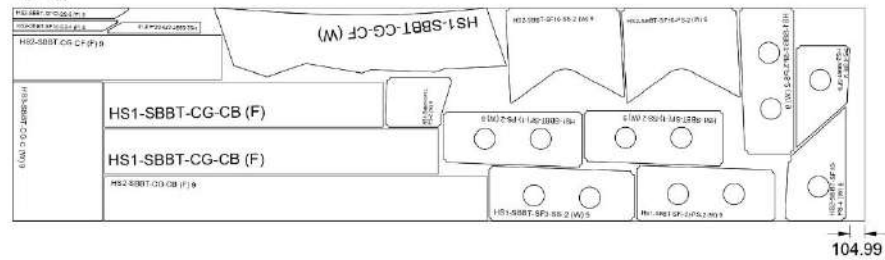


P9-08

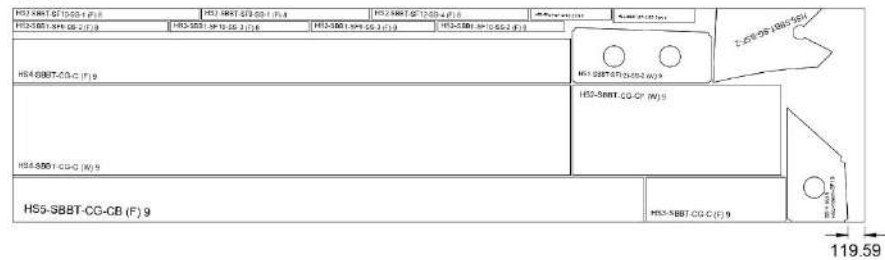


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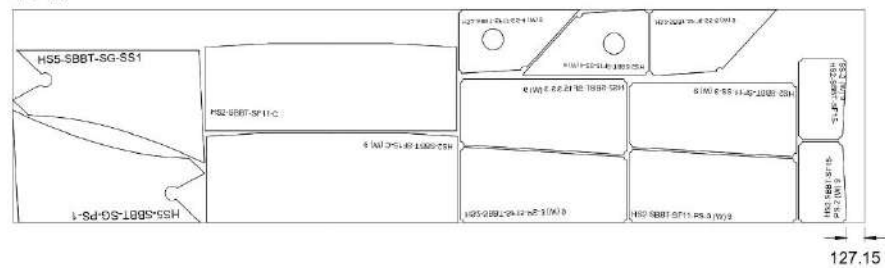
P9-09



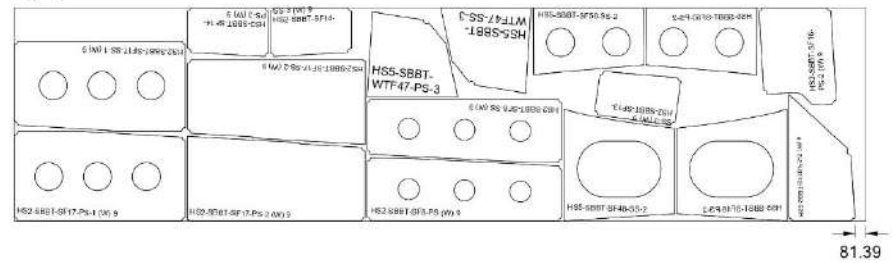
P9-10



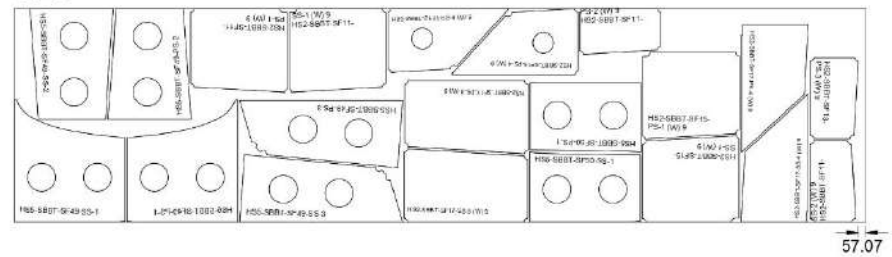
P9-11



P9-12

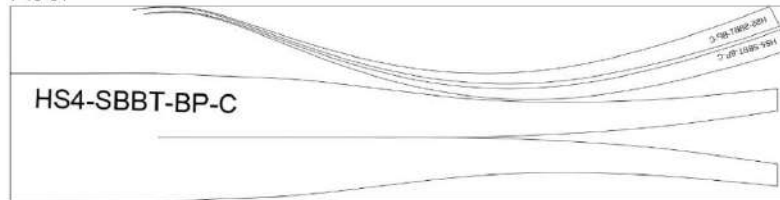


P9-13

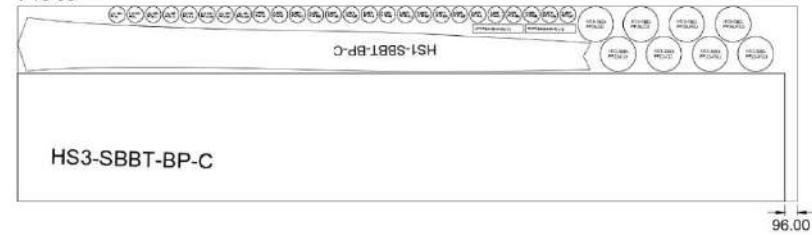


Pelat 10 mm

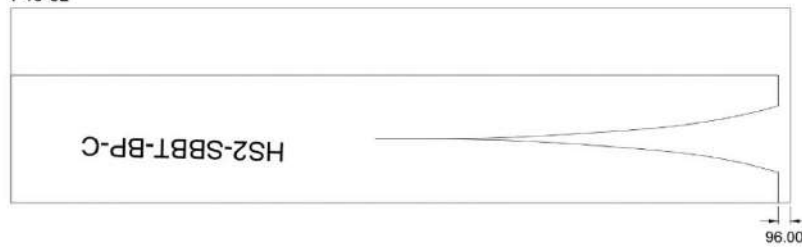
P10-01



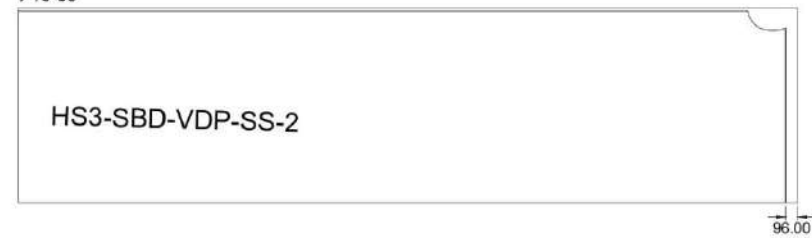
P10-05



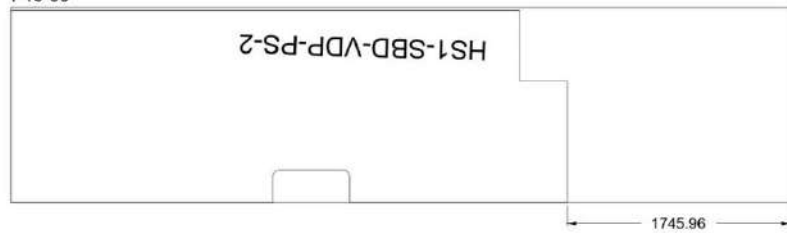
P10-02



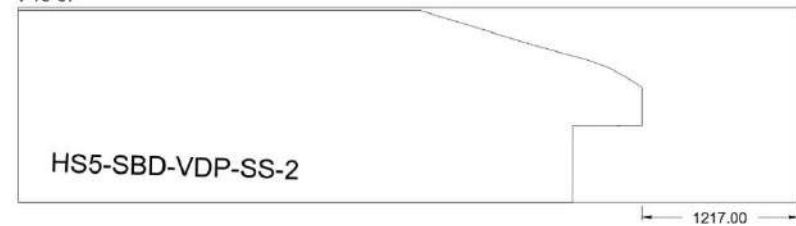
P10-06



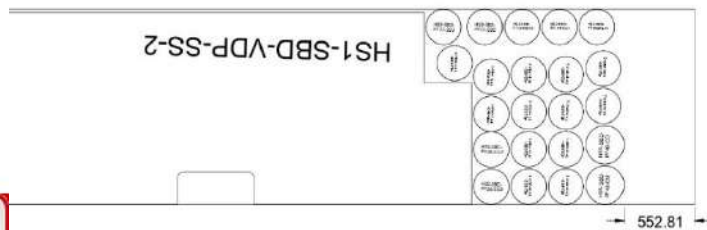
P10-03



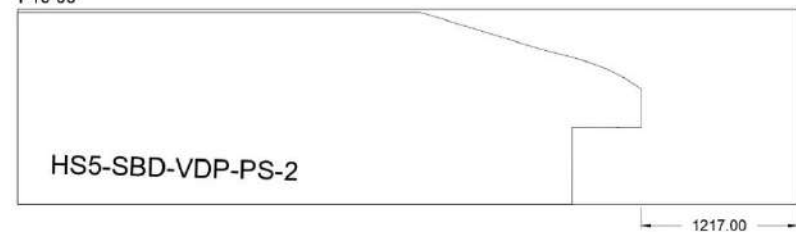
P10-07



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P10-08



P10-09

HS3-SBD-VDP-PS-2

95.99

P10-12

HS2-SBD-VDP-SS-2

96.00

P10-10

HS4-SBD-VDP-SS-2

96.00

P10-13

HS2-SBD-VDP-PS-2

96.00

P10-11

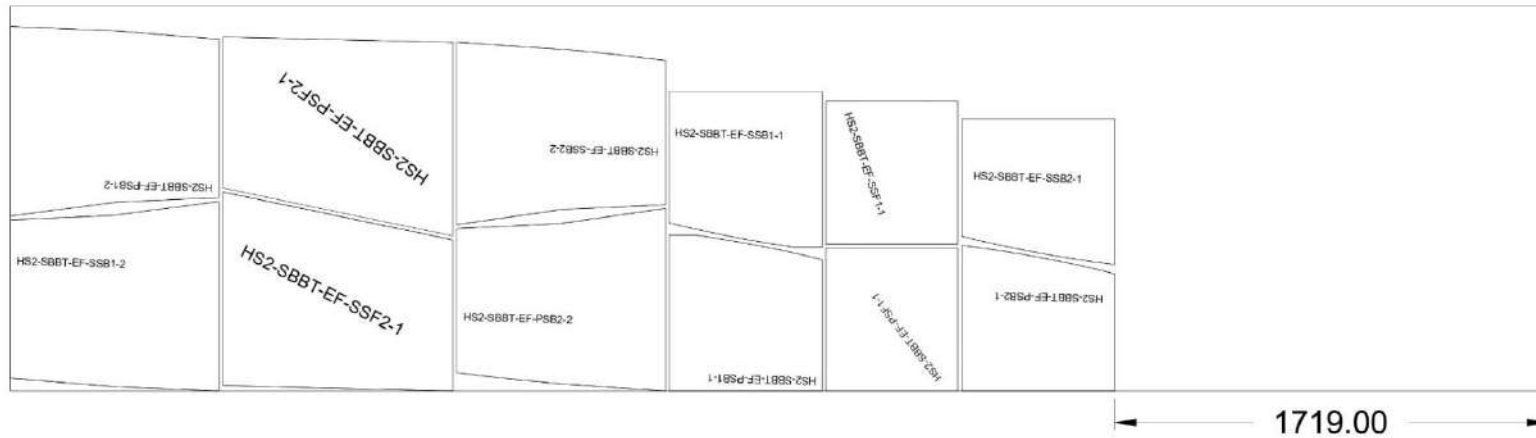
HS4-SBD-VDP-PS-2

96.00

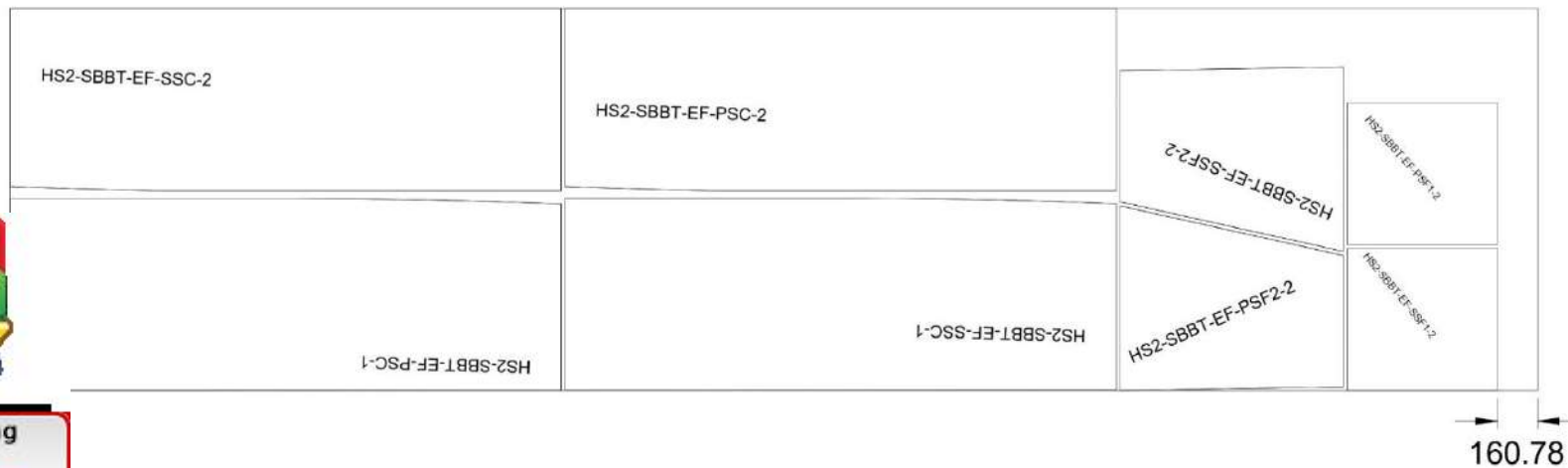


Pelat 11 mm

P11-01

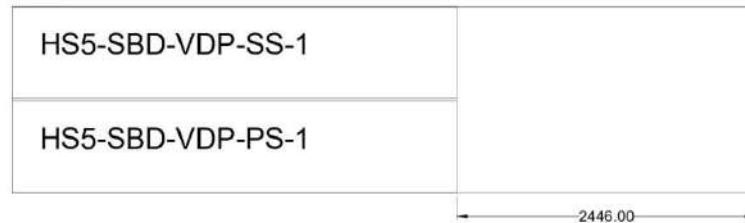


P11-02

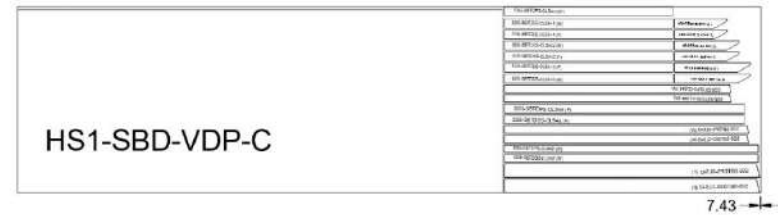


Pelat 12 mm

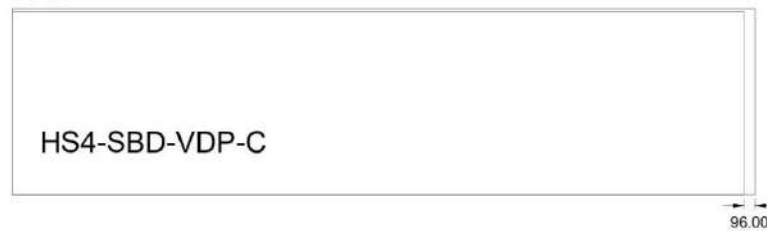
P12-01



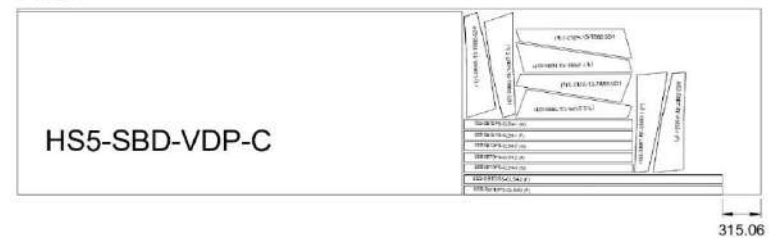
P12-05



P12-02



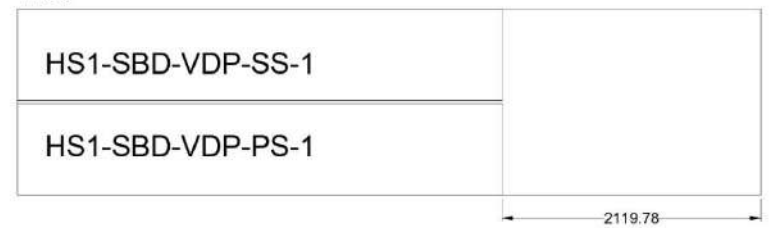
P12-06



P12-03



P12-07



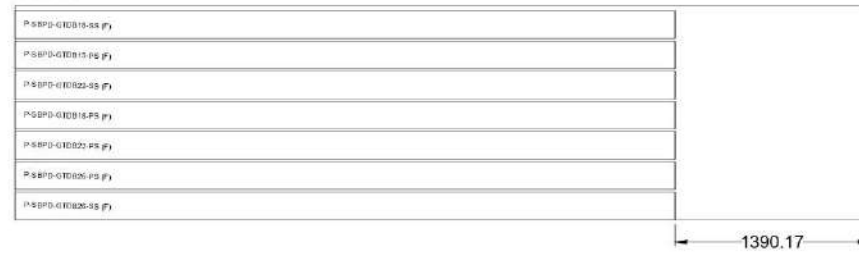
P12-04



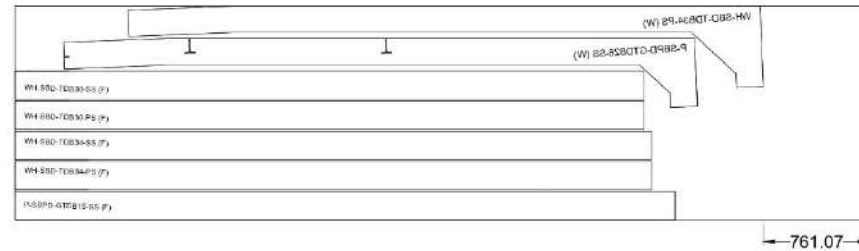
P12-08



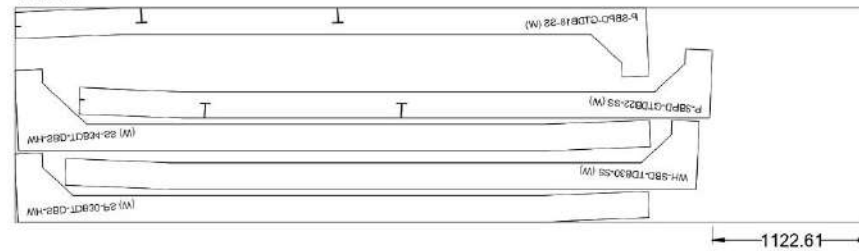
P12-09



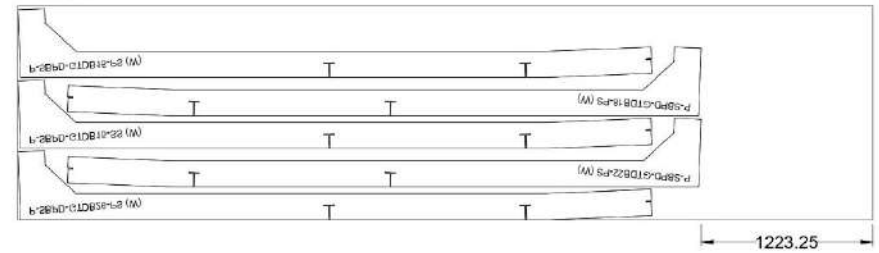
P12-10



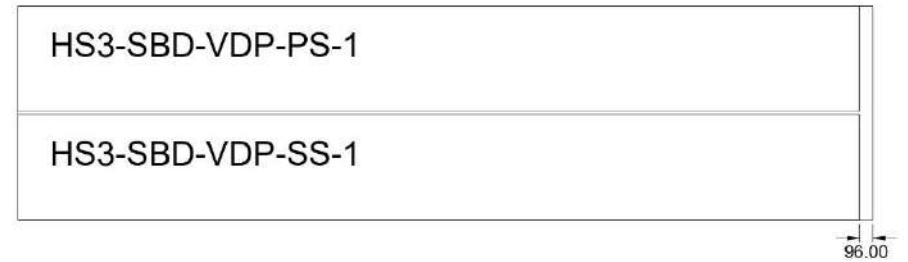
P12-11



P12-12



P12-13

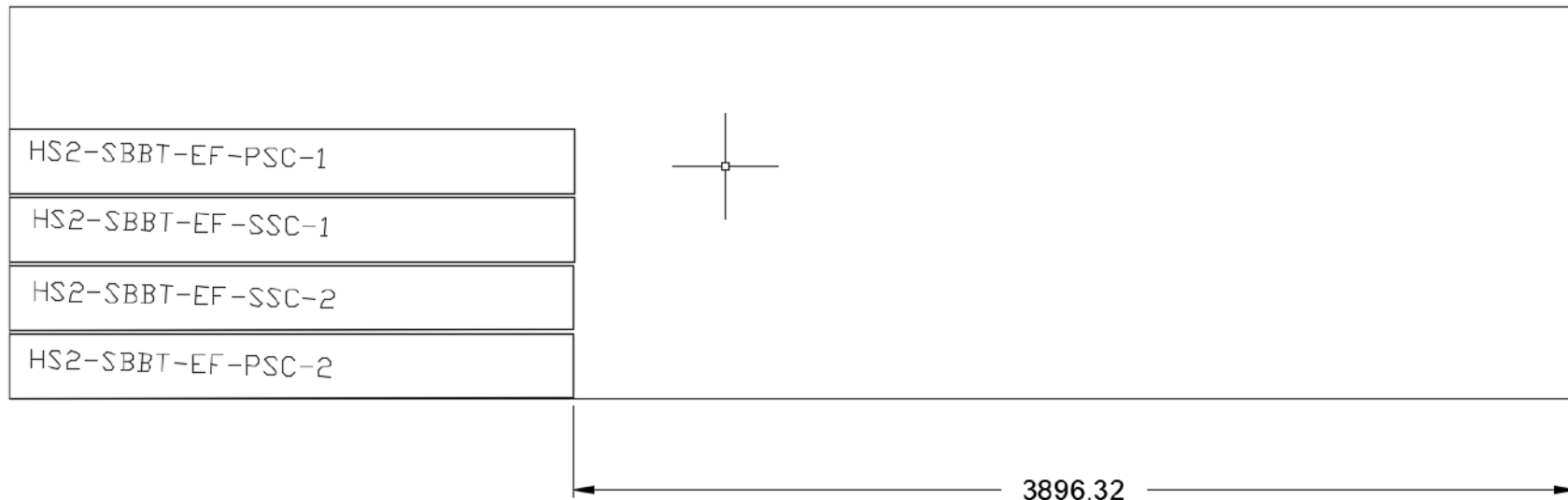


P12-14



Pelat 20 mm

P20-01



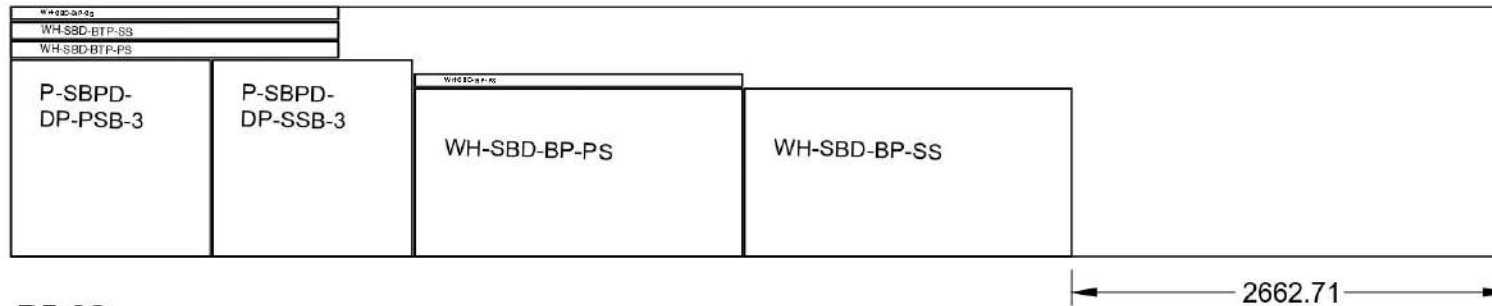
Panjang Pelat 30 ft



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Pelat 5 mm

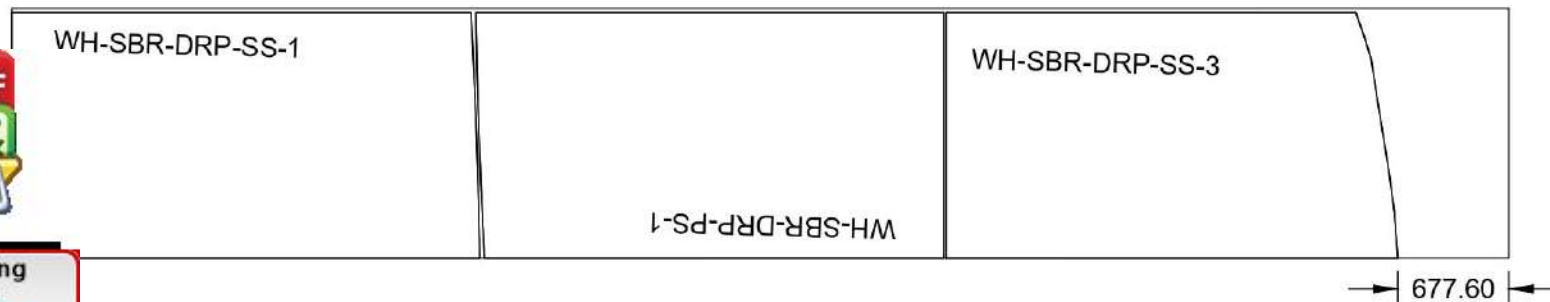
P5-01



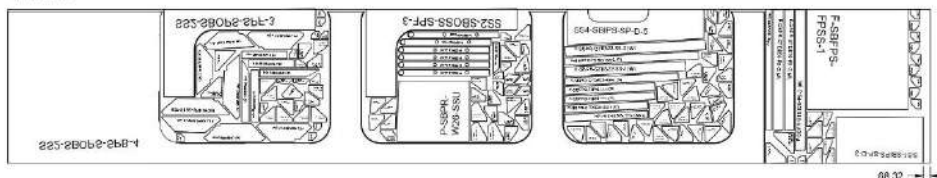
P5-02



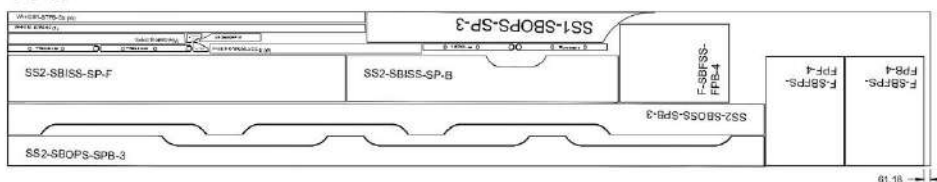
P5-03



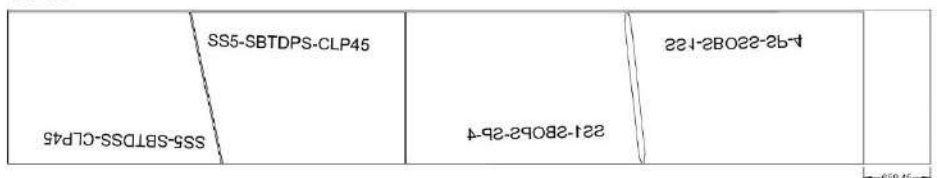
P6-09



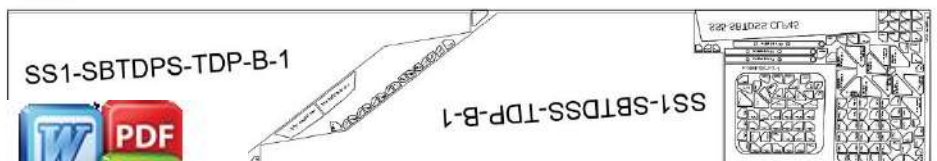
P6-10



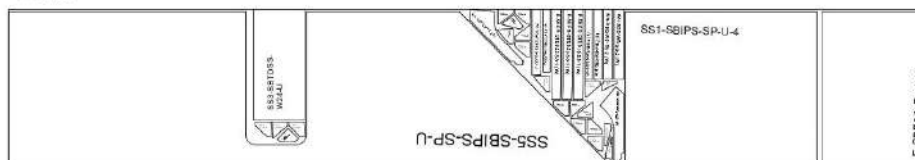
P6-11



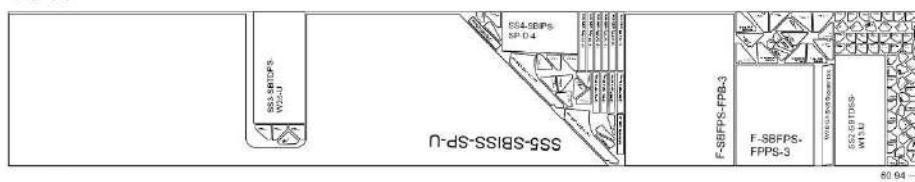
P6-12



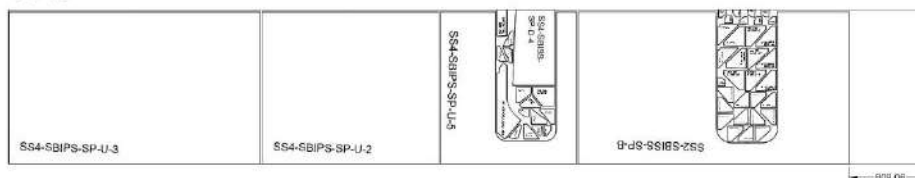
P6-13



P6-14



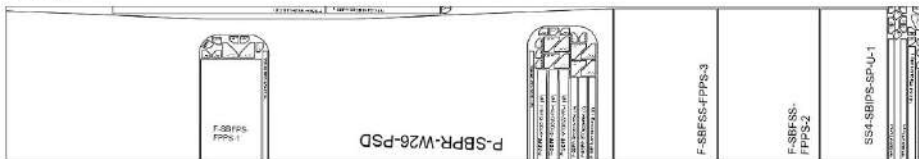
P6-15



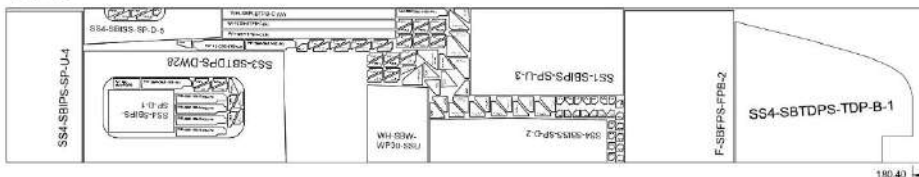
P6-16



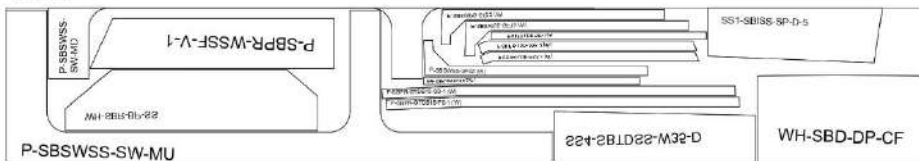
P6-17



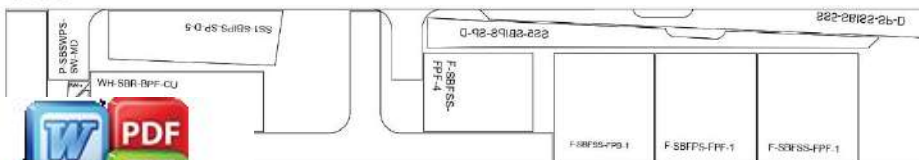
P6-18



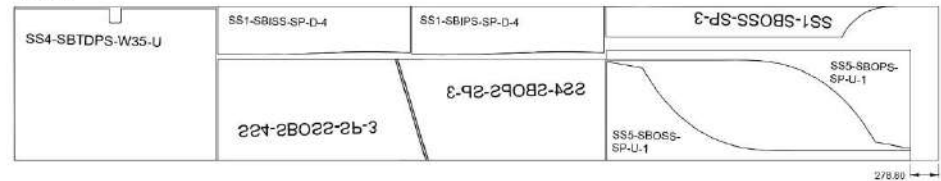
P6-19



P6-20



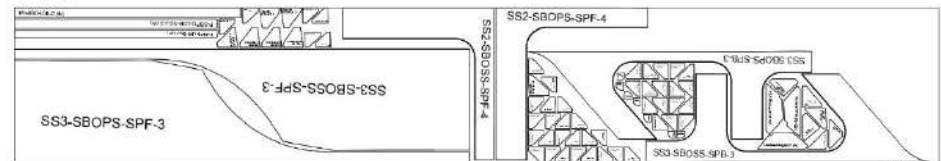
P6-21



P6-22



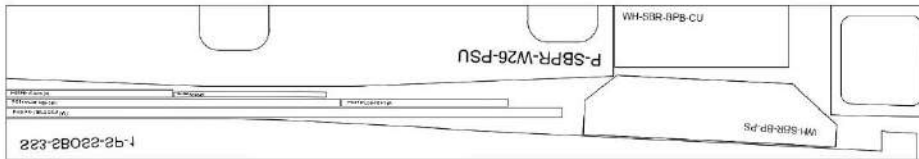
P6-23



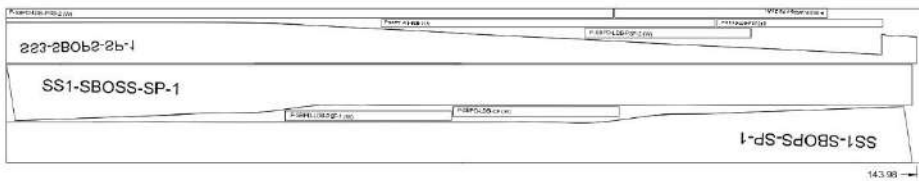
P6-24



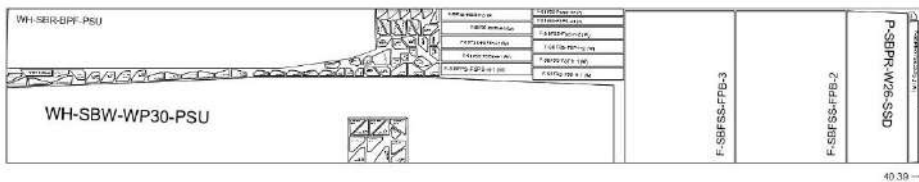
P6-25



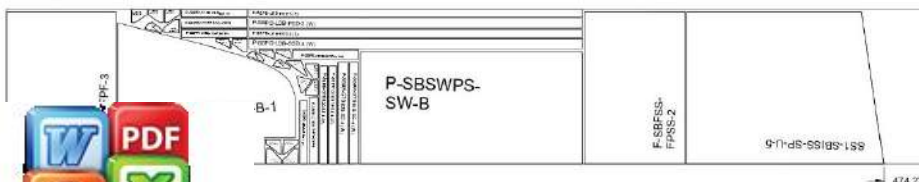
P6-26



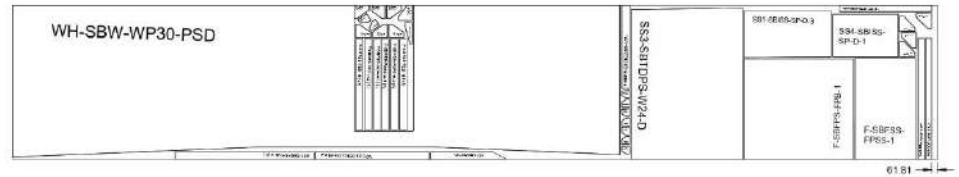
P6-27



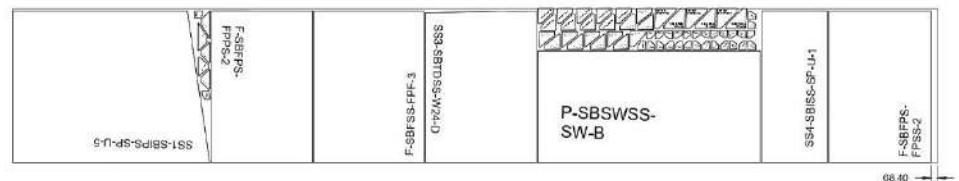
P6-28



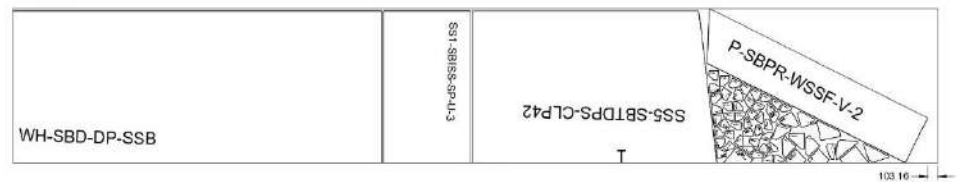
P6-29



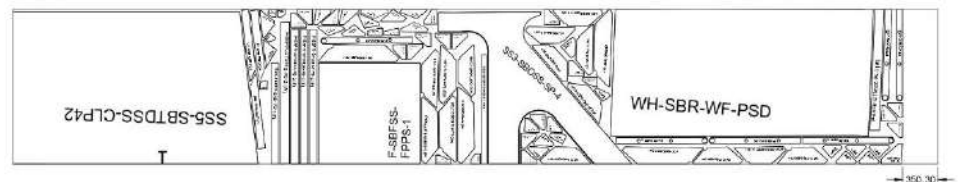
P6-30



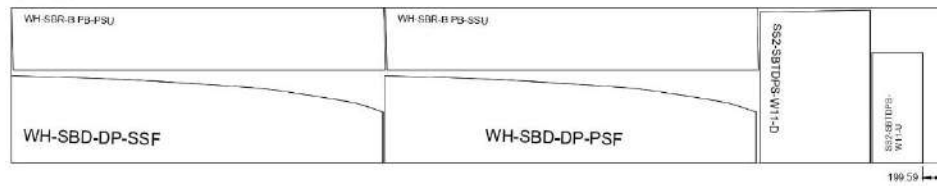
P6-31



P6-32



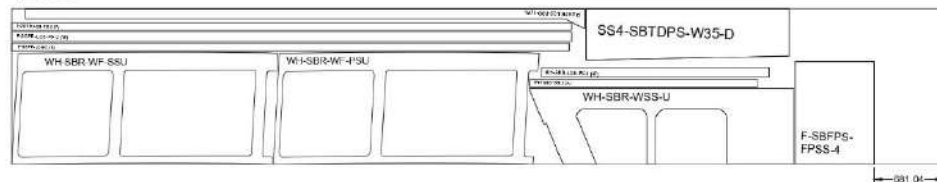
P6-33



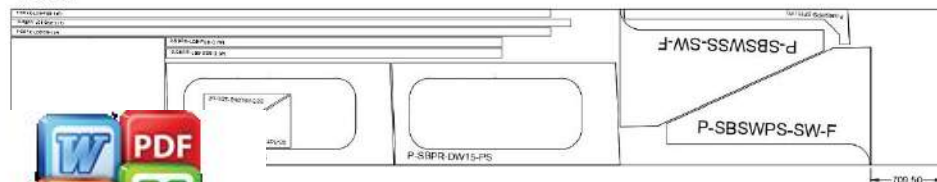
P6-34



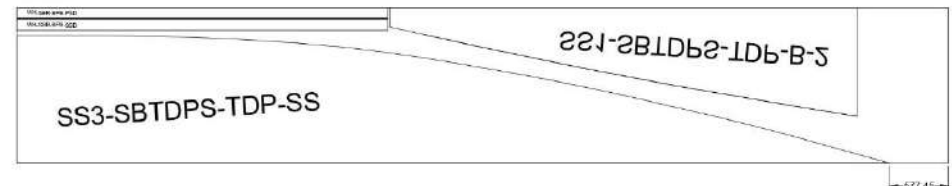
P6-35



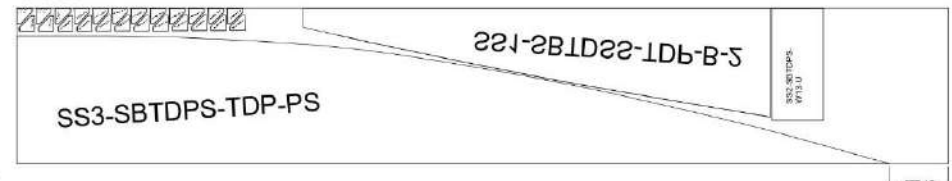
P6-36



P6-37



P6-38



P6-39



P6-40



P6-41



P6-42



P6-43



P6-44



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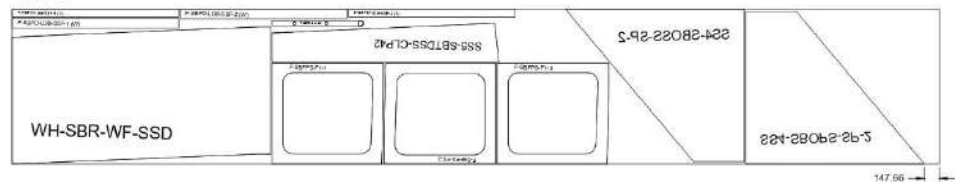
P6-45



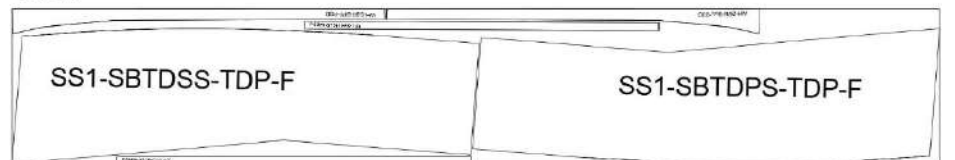
P6-46



P6-47



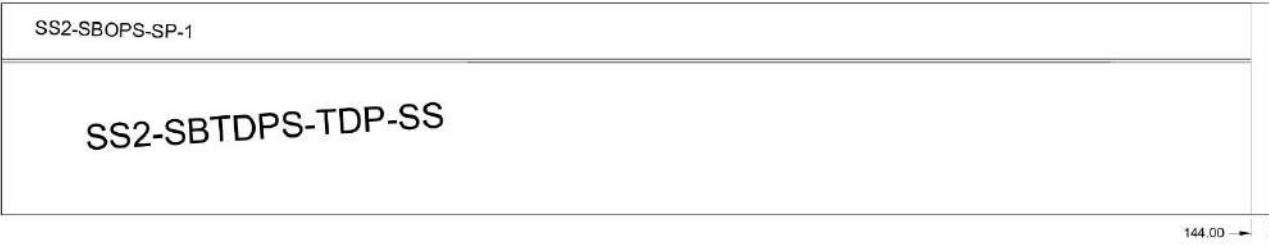
P6-48



P6-49



P6-50



P6-51

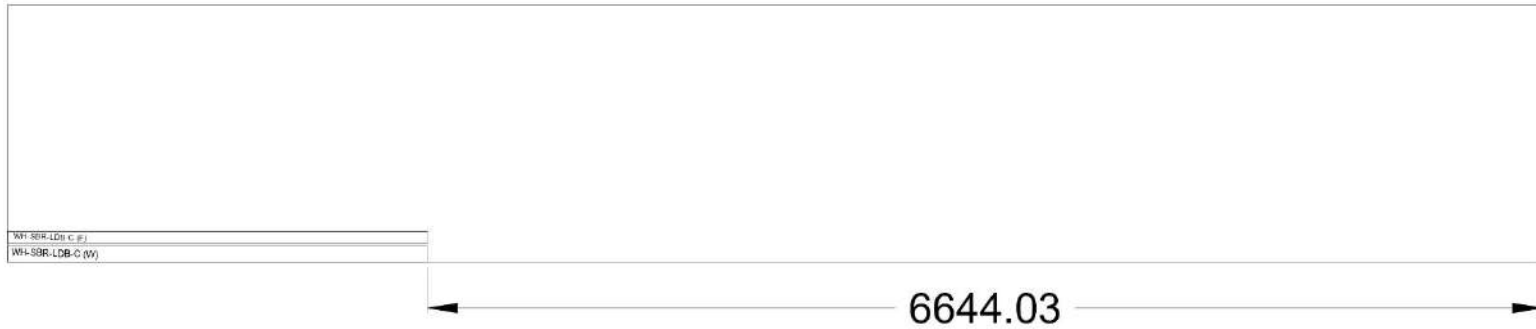


P6-52



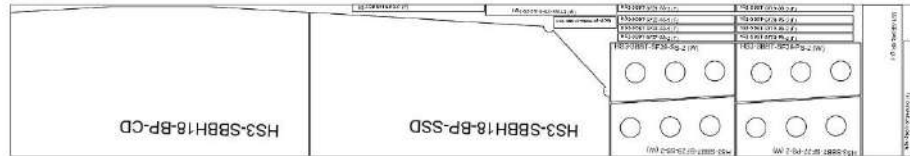
Pelat 7 mm

P7-01

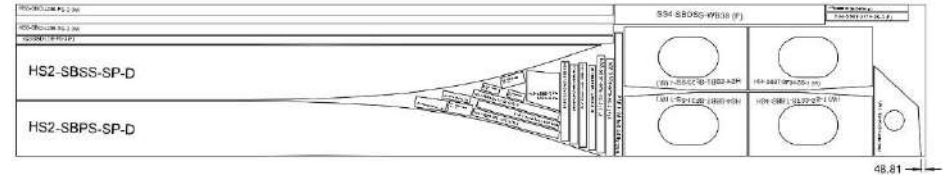


Pelat 8 mm

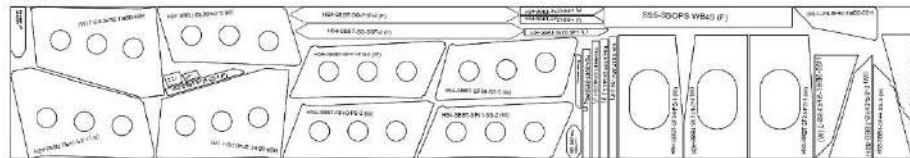
P8-01



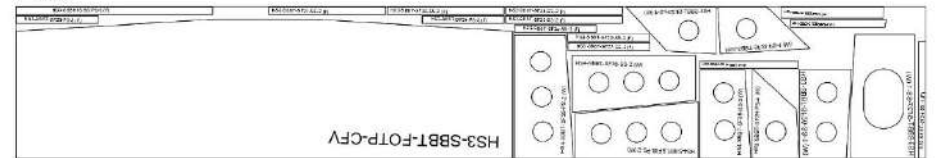
P8-05



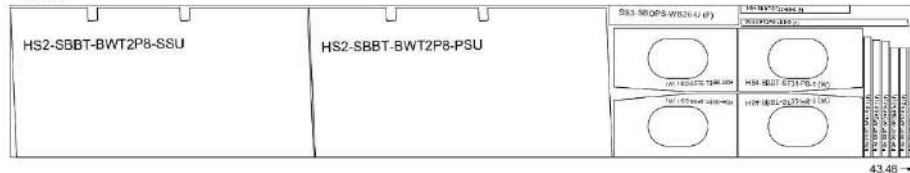
P8-02



P8-06



P8-03



P8-07



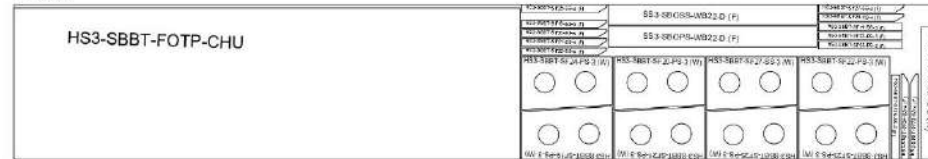
P8-04



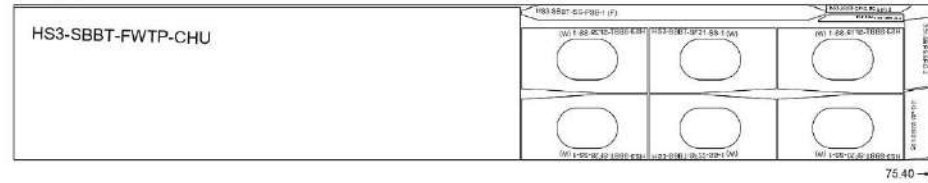
P8-08



P8-09



P8-10



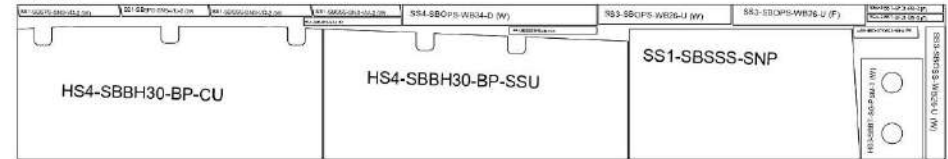
P8-11



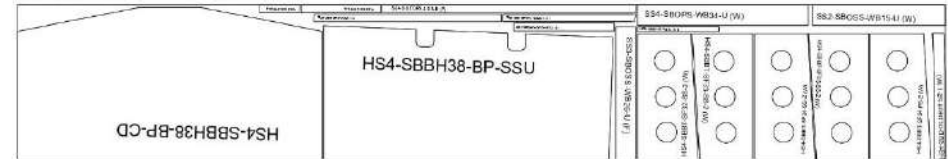
P8-12



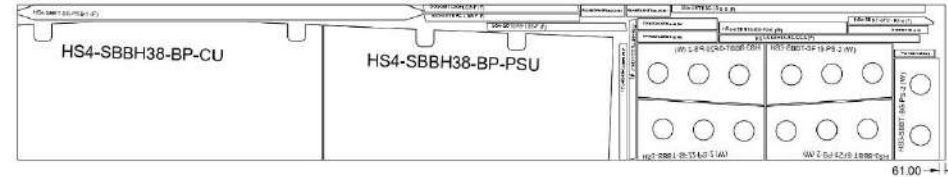
P8-13



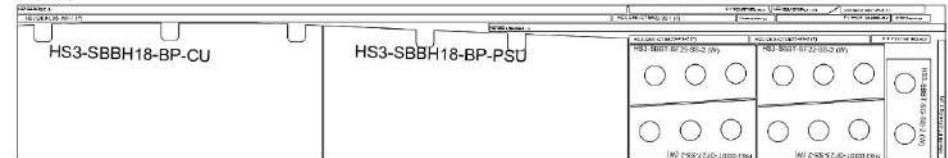
P8-14



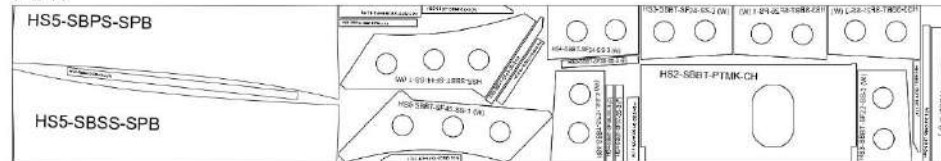
P8-15



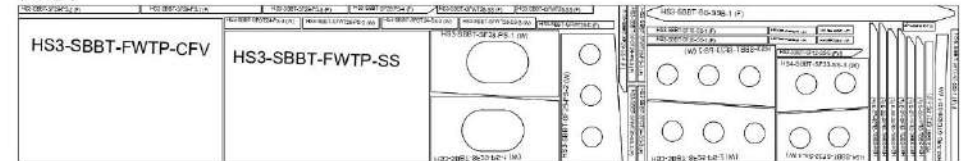
P8-16



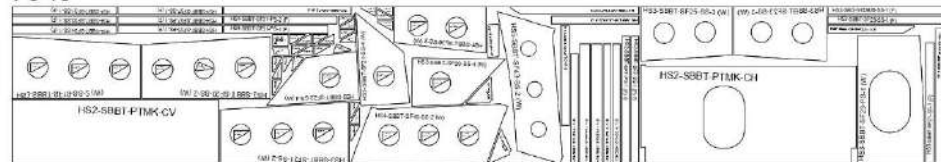
P8-17



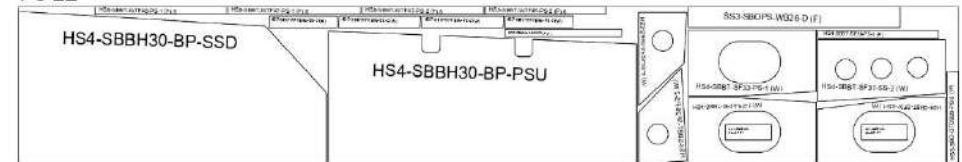
P8-21



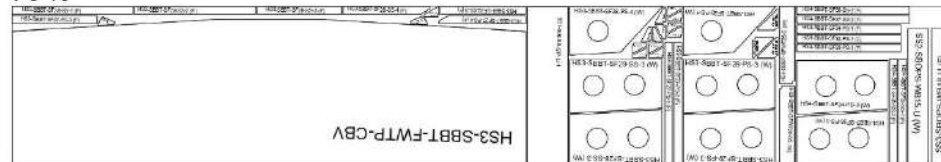
P8-18



P8-22



P8-19



P8-23



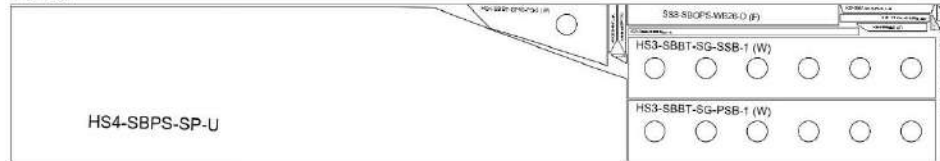
P8-20



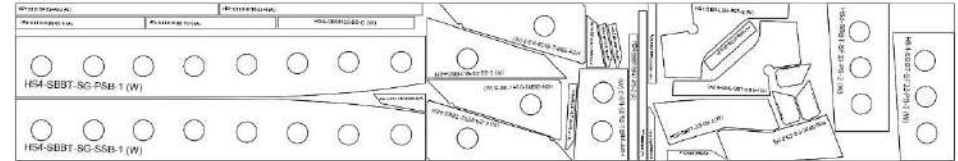
P8-24



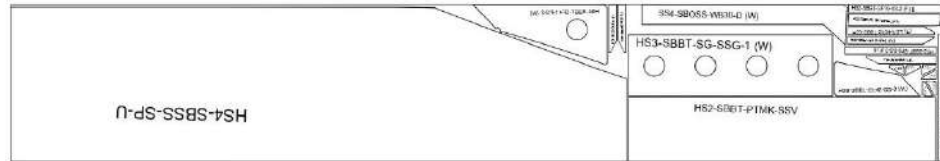
P8-25



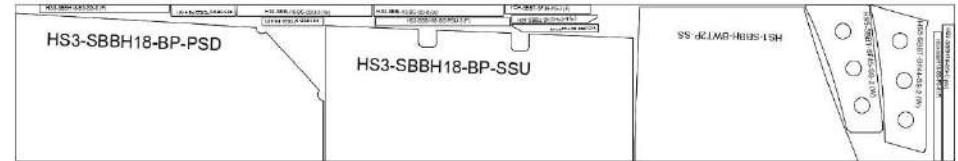
P8-29



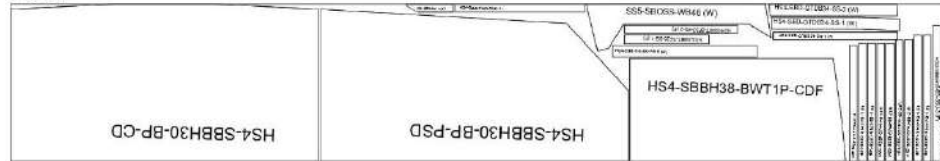
P8-26



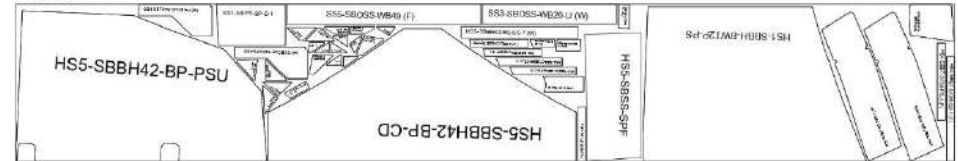
P8-30



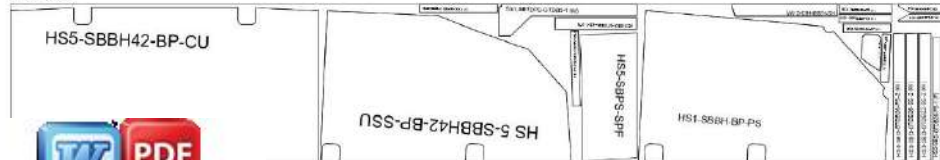
P8-27



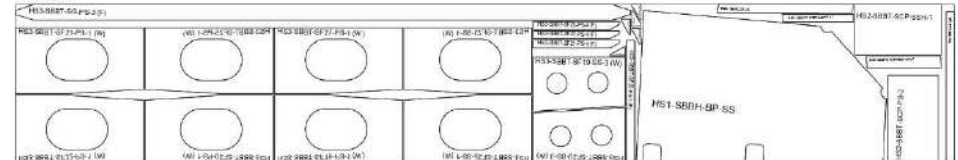
P8-31



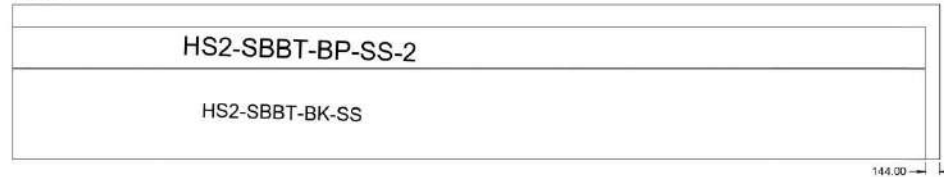
P8-28



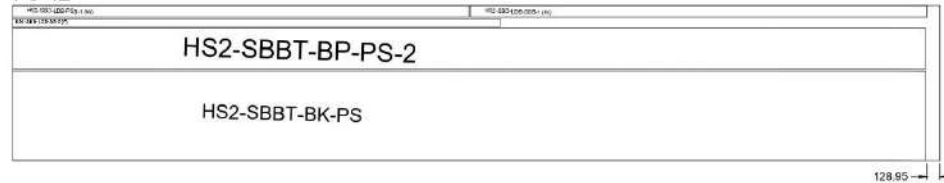
P8-32



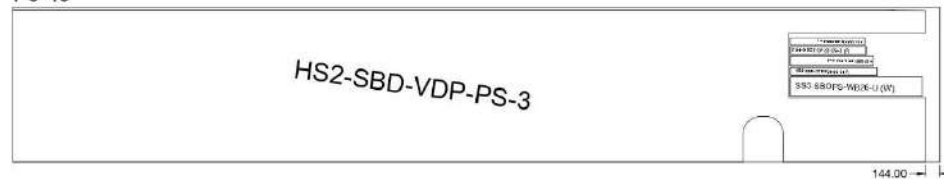
P8-41



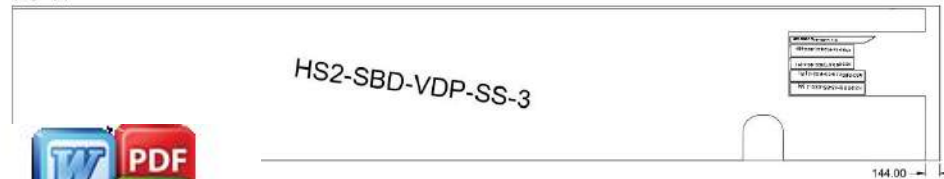
P8-42



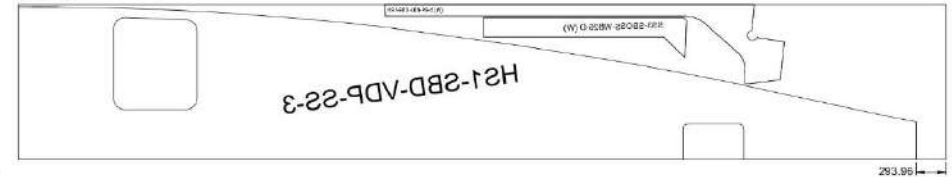
P8-43



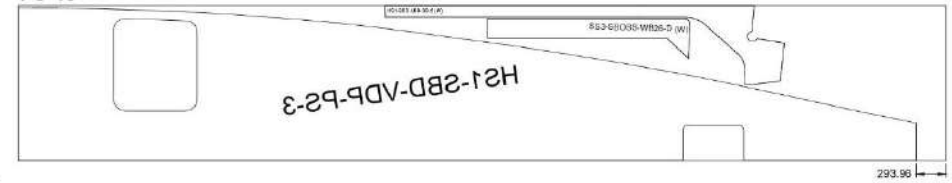
P8-44



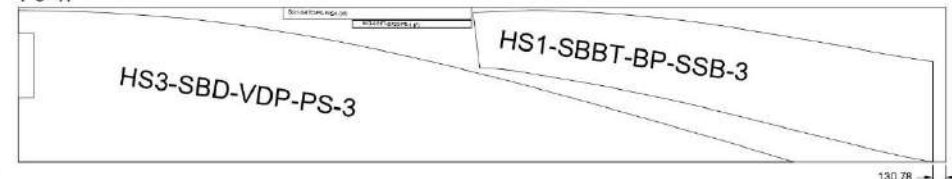
P8-45



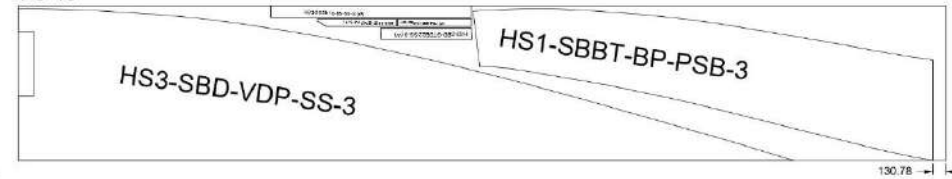
P8-46



P8-47



P8-48



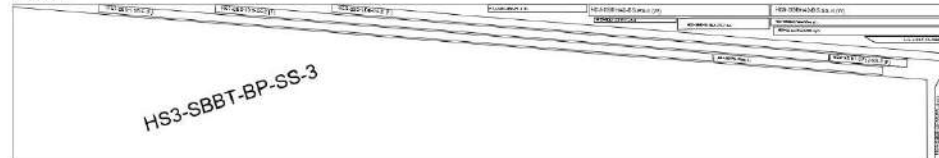
P8-49



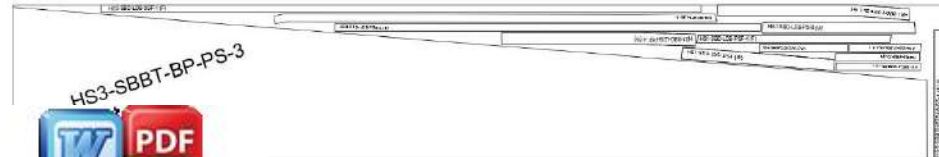
P8-50



P8-51

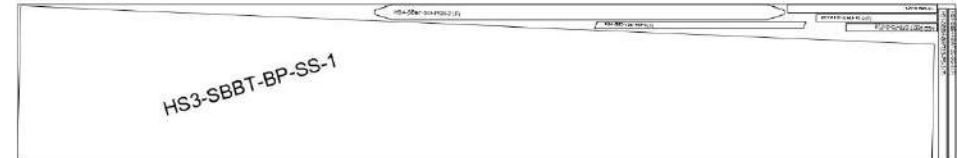


P8-52

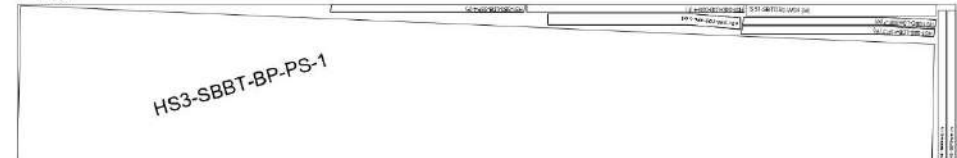


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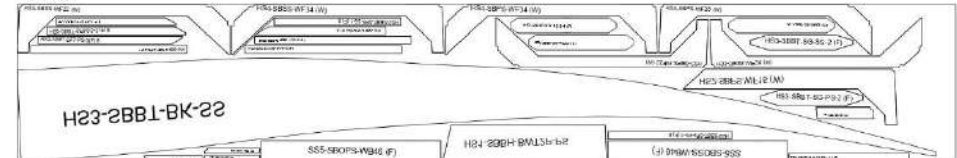
P8-53



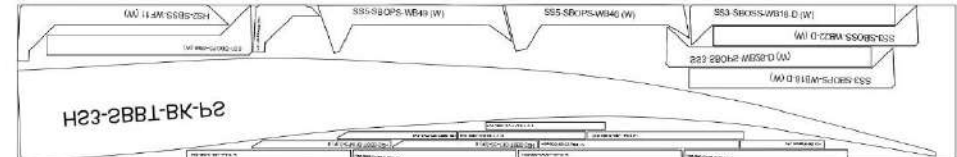
P8-54



P8-55



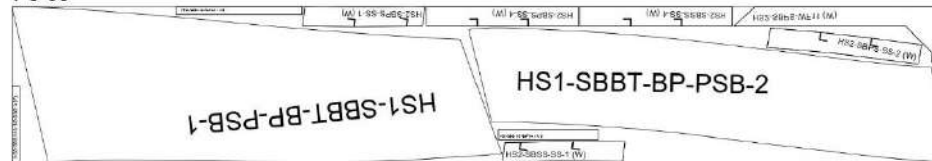
P8-56



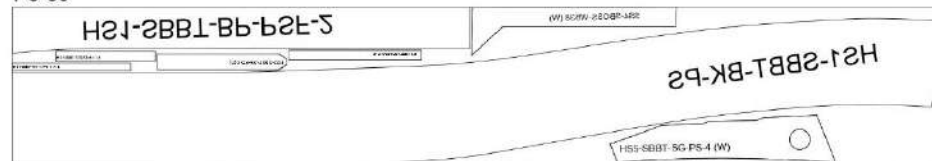
P8-57



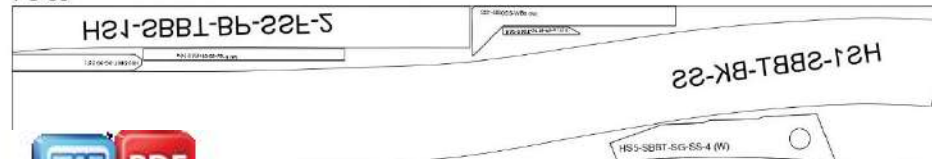
P8-58



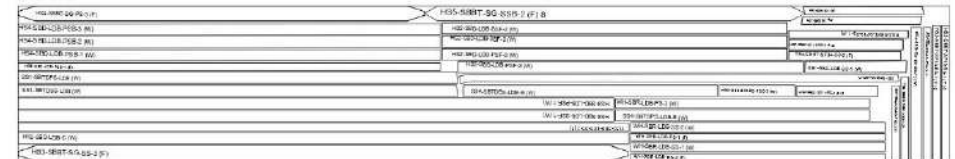
P8-59



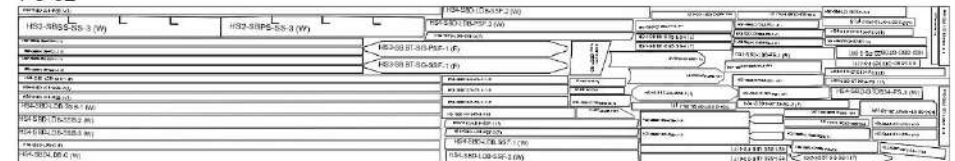
P8-60



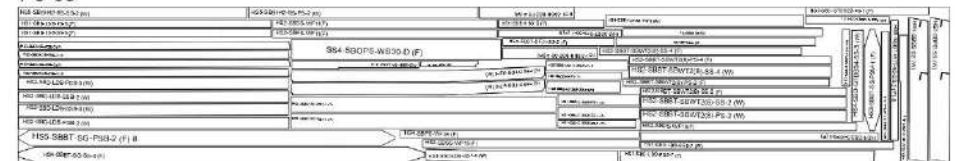
P8-61



P8-62



P8-63

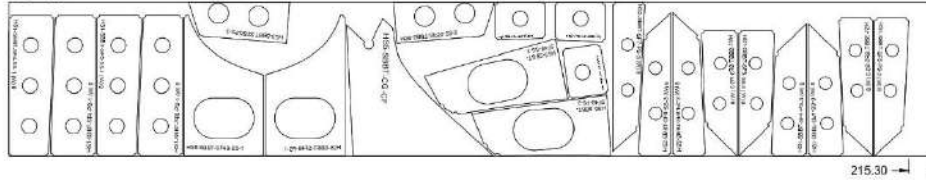


P8-64



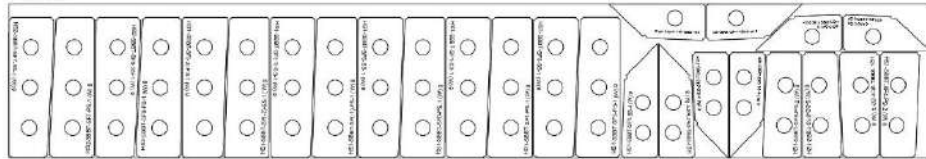
Pelat 9 mm

P9-01

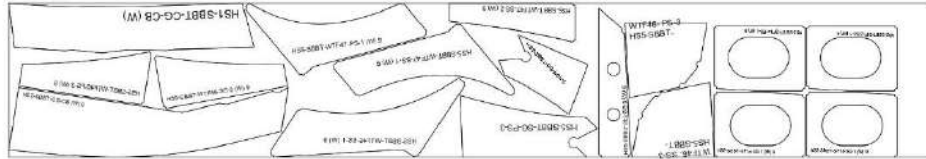


215.30

P9-02

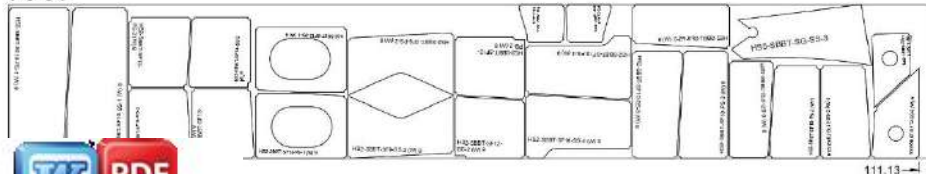


P9-03



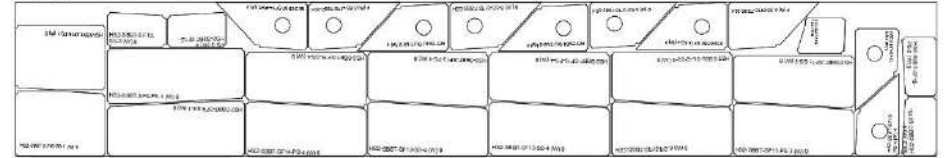
329.90

P9-04



111.13

P9-05



P9-06



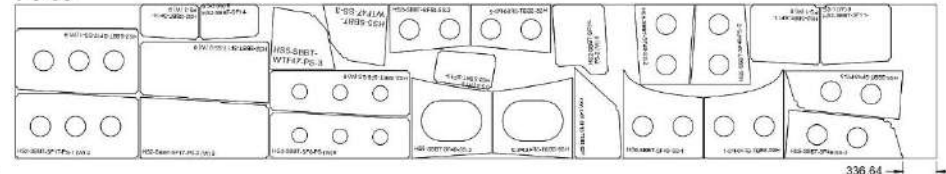
27.57

P9-07



135.02

P9-08

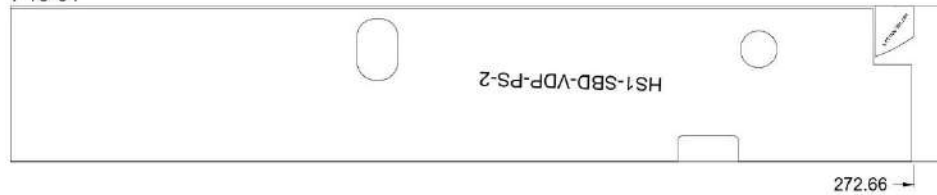


336.64

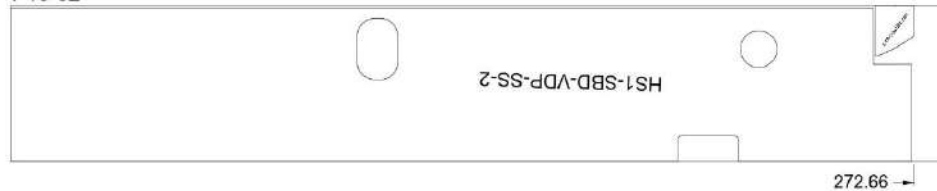


Pelat 10 mm

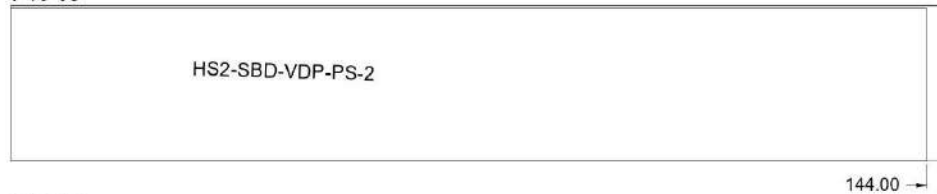
P10-01



P10-02



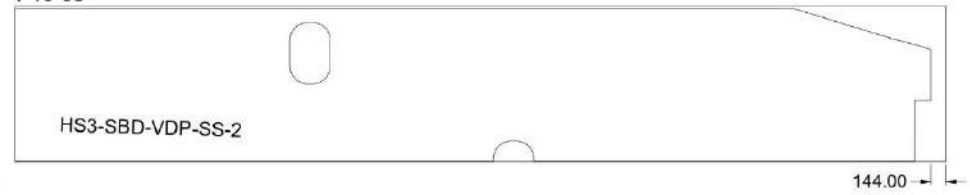
P10-03



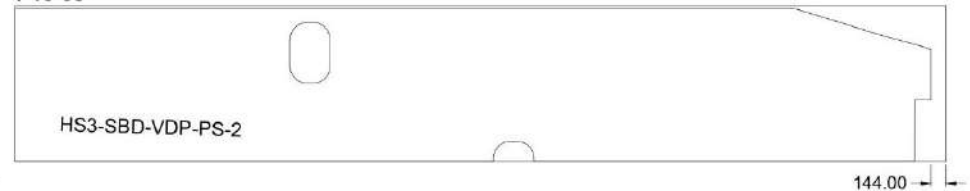
P10-04



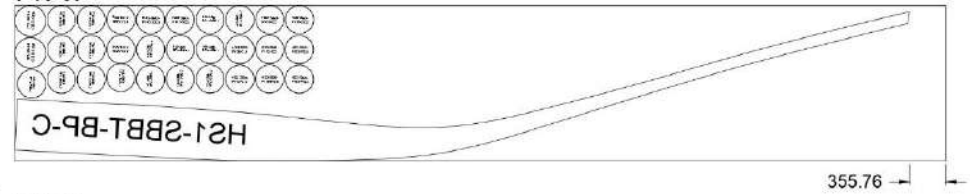
P10-05



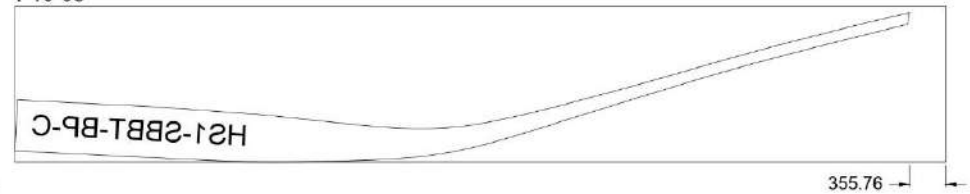
P10-06



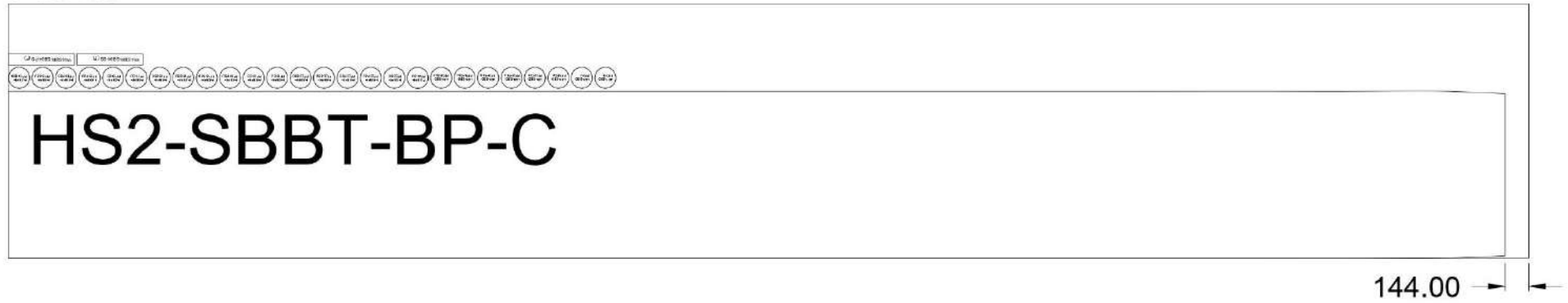
P10-07



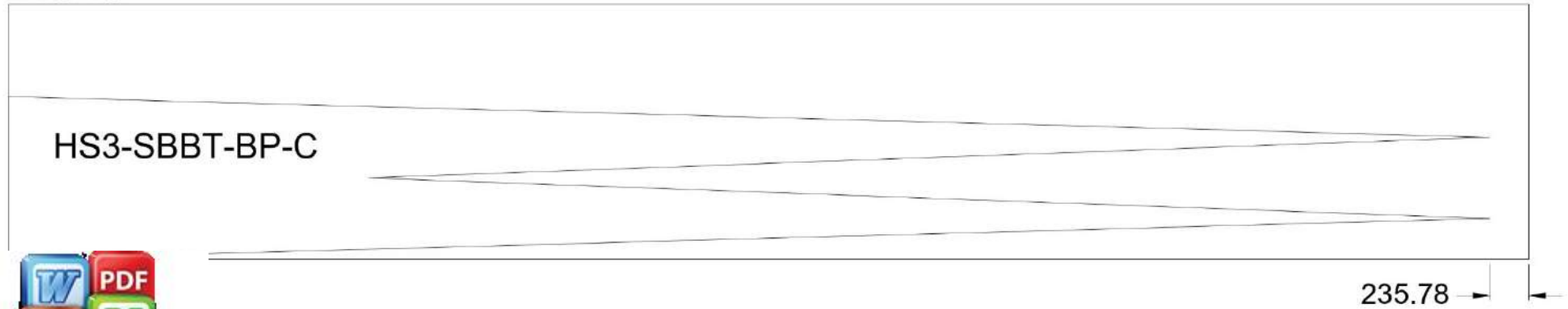
P10-08



P10-09



P10-10



Pelat 12 mm

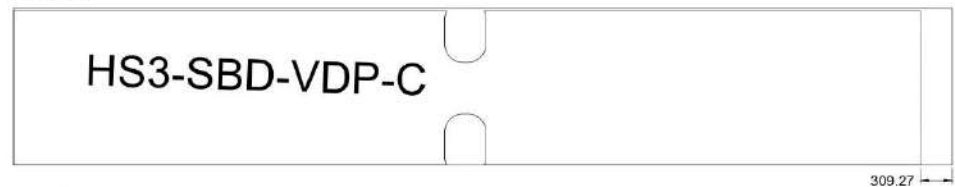
P12-01



P12-02



P12-03

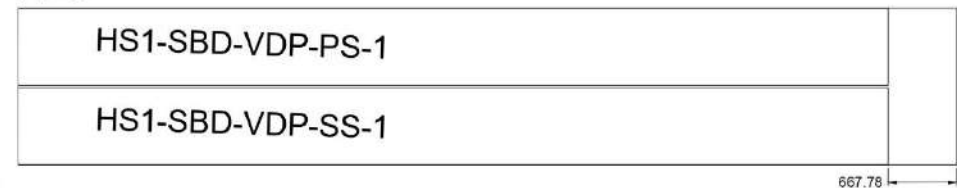


P12-04

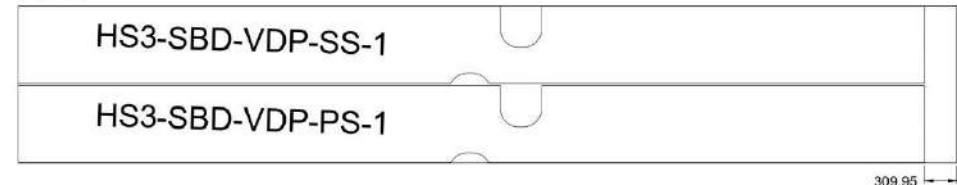


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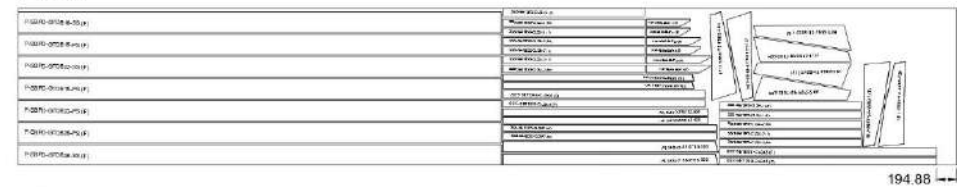
P12-05



P12-06



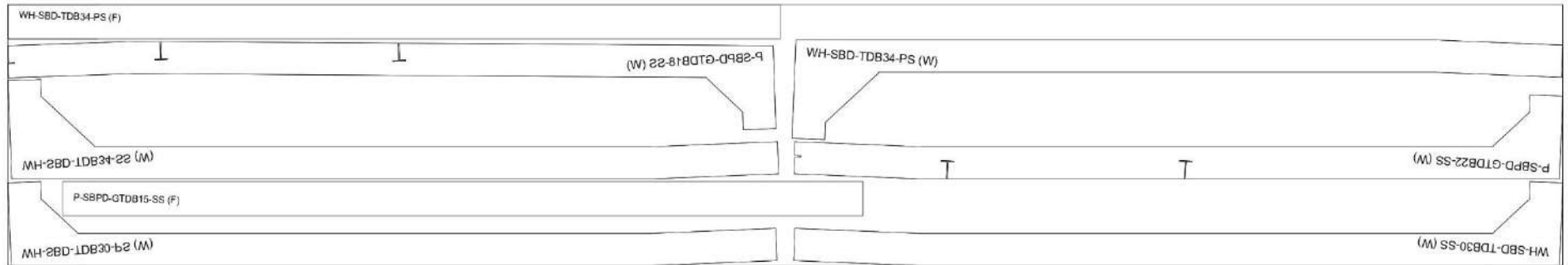
P12-07



P12-08



P12-09



Pelat 20 mm

P20-01

