

## 1 Cellular Beam & Castellated Beam

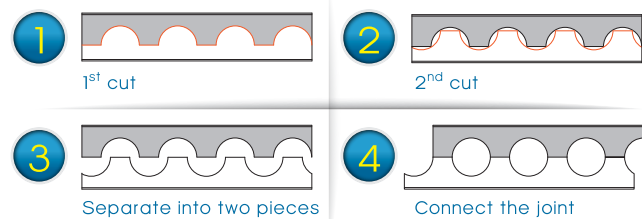


Cellular Beam



Castellated Beam

### Cutting & Welding @Factory



\*Remark : Customized design is available. Please provide drawing to discuss further

### Additional Services

- Coating with SYS PRIMERBOND
- Curved & Taper
- Filled Opening
- Fabrication with Bolted Connection



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## 2 BUILDING STRUCTURE

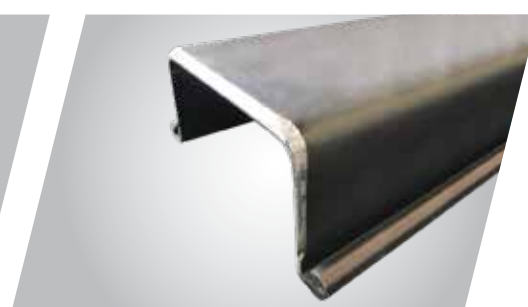


## 3 CUSTOMIZED FABRICATED STEEL

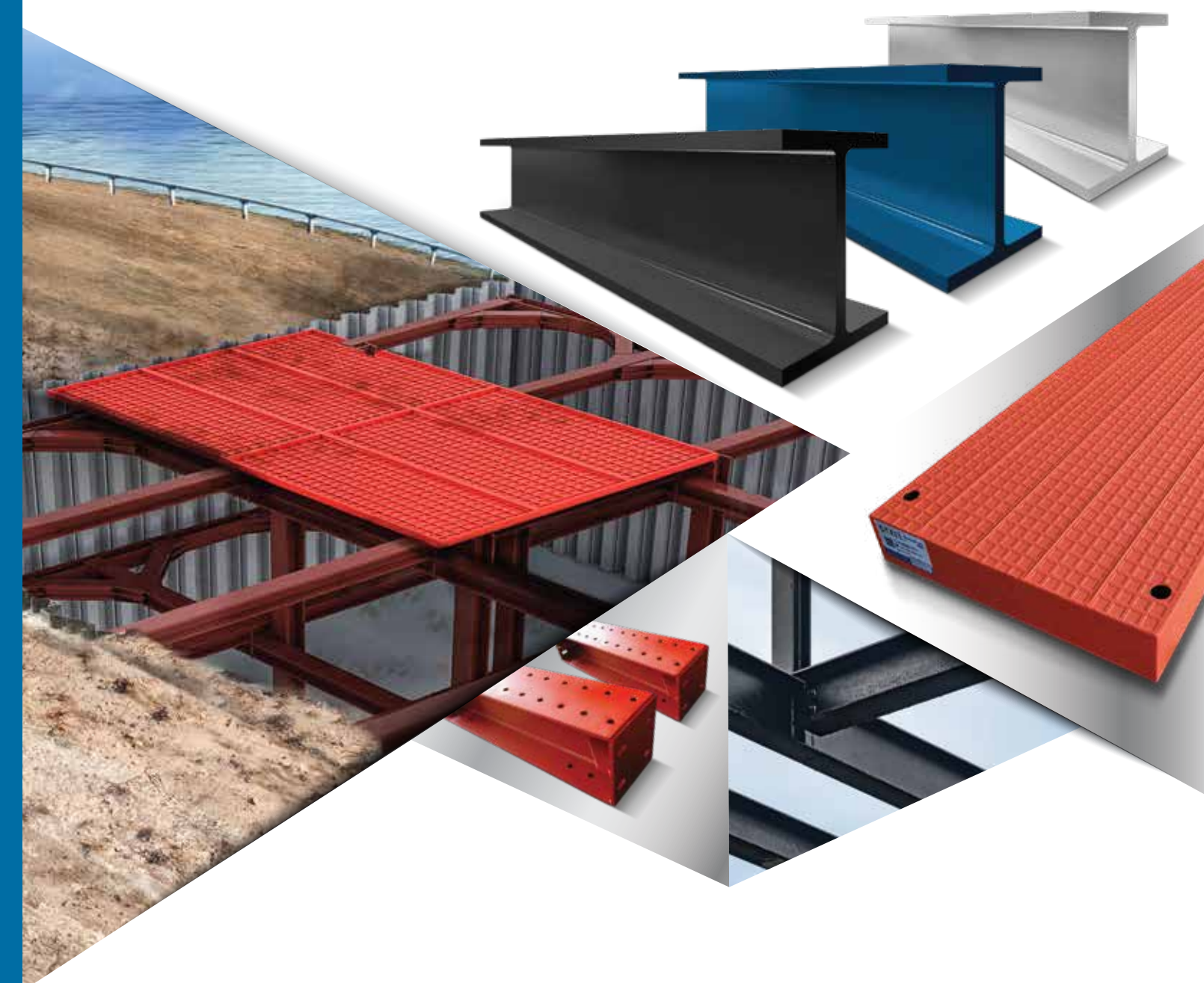
Stanchion



Bevelled Steel



www.syssteel.com



# STEEL SOLUTION PRODUCTS



1 COATED STEEL

SYS PRIMERBOND (Steel with Anti-Corrosion System)



**Standard Series**  
Surface Preparation : Blast cleaning Grade Sa2,5  
(Complying with ISO 8501-1 Standard)  
PRIMER PAINT : Special Alkyd  
: Dry Film Thickness (D.F.T.) 80 micron

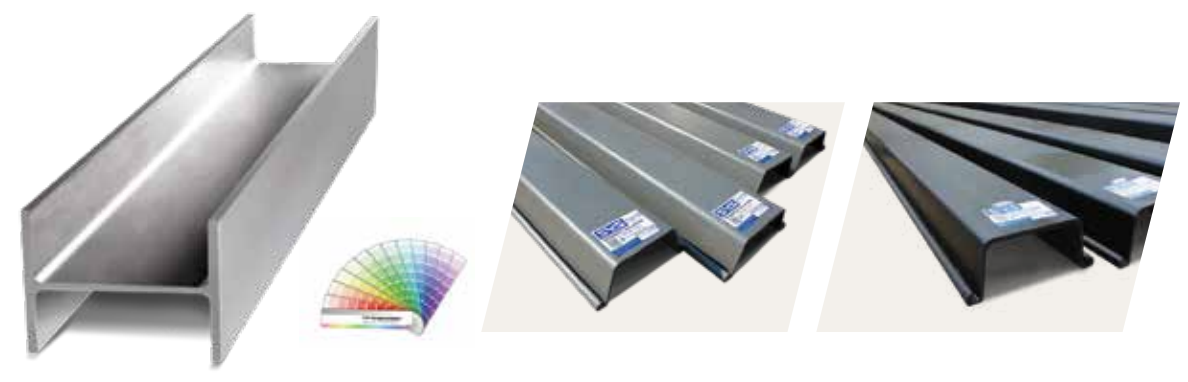
Premium Series

Surface Preparation : Blast cleaning Grade Sa2,5  
(Complying with ISO 8501-1 Standard)  
PRIMER PAINT : Epoxy  
: Dry Film Thickness (D.F.T.) 100 micron



CUSTOMIZED COATING (Coated for Rust Protection)

Surface preparation : Blast cleaning and coating with any painting



2 GALVANIZED STEEL



**Zinc Coating** : Coating Thickness 100 microns  
(Hot-Dip Galvanized) (Complying with ASTM A123 Standard)



1 STEEL DECK



Steel Deck 1.5 x 6.0 m.

Size : 1,5 x 6,0 x 0,25 m.  
Weight : 2,037 kg/Pc  
  
\*Remark : Customized design is available.  
Please provide drawing to discuss further

Steel Deck 1.0x3.0m.&1.0x2.0m.(With Grid Pattern Surface)

Product Specification : (Made from Checkered Beam)

Size	Checkered Beam	Weight/Pc
1,0x3,0x0,2 m.	CH 196x197x37,2 kg/m	626 kg
1,0x3,0x0,2 m.	CH 194x197x32,7 kg/m	558 kg
1,0x2,0x0,2 m.	CH 196x197x37,2 kg/m	426 kg
1,0x2,0x0,2 m.	CH 194x197x32,7 kg/m	381 kg



\*Available grade : SS400, SM490, S355JR and other

Research on SYS Standard Steel Deck

By CHULA ENGINEERING  
Foundation toward Innovation

Specimen	At deflection limit (L/360)		Approximated		At stress limit (0,5fy)		Approximated	
	Force at the midspan (kN)	Bending moment (kN-m)	Uniform load (kN/sq.m.)		Force at the midspan (kN)	Bending moment (kN-m)	Uniform load (kN/sq.m.)	
3,0-m-long Steel Deck	400	280	286		273	191	195	
6,0-m-long Steel Deck	394	571	91		252	365	58	

Steel Deck 1.0x3.0 m.



Steel Deck 1.5x6.0 m.



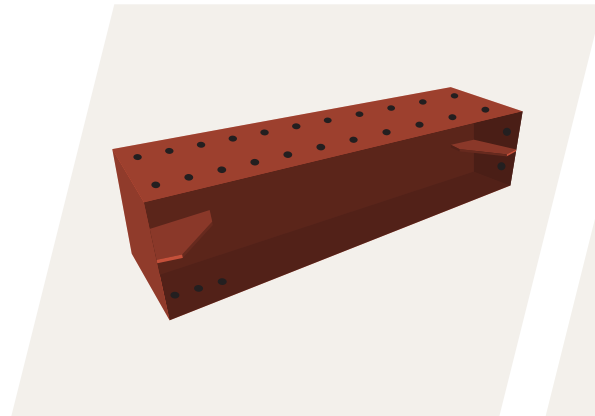
2 CHECKERED BEAM (With Grid Pattern Surface)

\*Available grade : SS400, SM490, S355JR and other

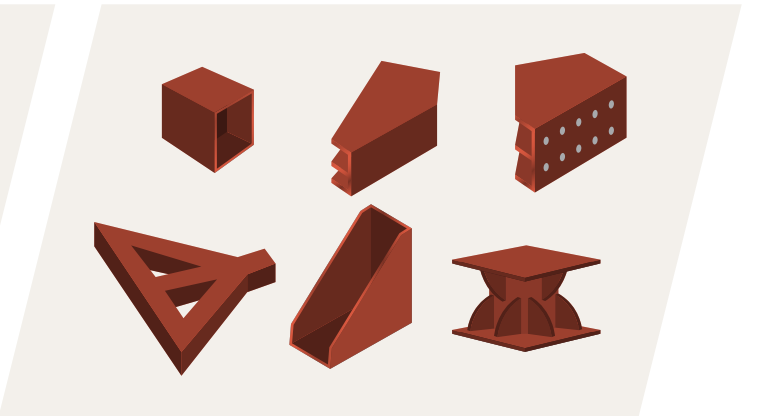
HxB	t <sub>1</sub>	t <sub>2</sub>	r	Area	Weight	I <sub>x</sub>	I <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	Z <sub>x</sub>	Z <sub>y</sub>
mmxmm	mm	mm	mm	cm <sup>2</sup>	kg/m	(cm <sup>4</sup> )	(cm <sup>4</sup> )	(cm)	(cm)	(cm <sup>3</sup> )	(cm <sup>3</sup> )
194x197	5	7	13	41,7	32,7	2,997	1,037	8,5	5	309	105
196x197	6	8	13	47,4	37,2	3,409	1,165	8,5	5	348	118

3 STRUT, WALE AND BRACING SYSTEM

Strut



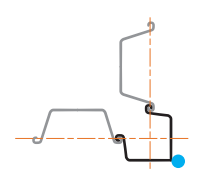
Bracing System



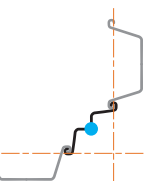
\*Remark : Customized design is available. Please provide drawing to discuss further

4 CORNER SHEET PILE (FABRICATED SHEET PILE)

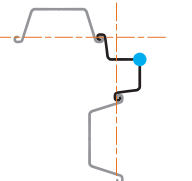
Corner SP Type A\*



Corner SP Type B



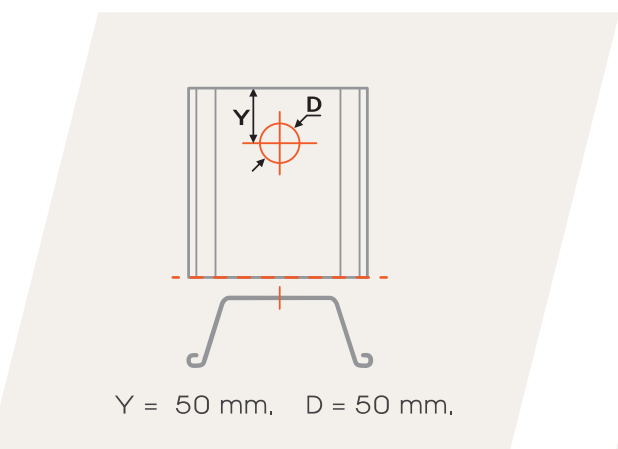
Corner SP Type C



\*Not available on SP-IV

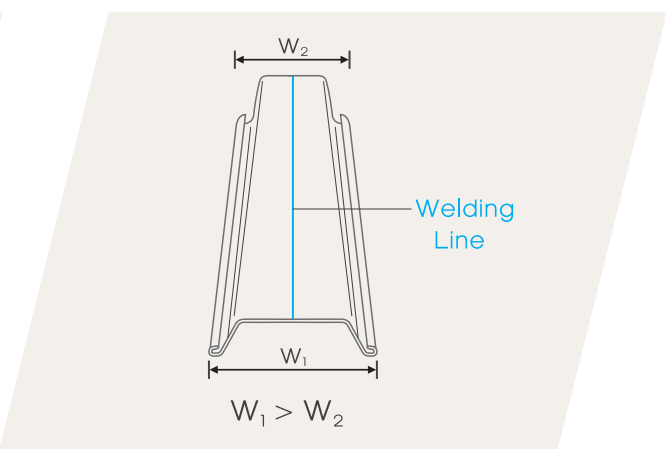
● = Welding Line

Sheet Pile with handing hole



Y = 50 mm, D = 50 mm.

Tapered Sheet Pile



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