Field Cage Component Receipt Inspection Checklist Aluminum Profiles Visual Inspection:

Inspection Results						
Datah Number	Number Satisfactory	ι	Jnsatisfactory Profiles			
Batch Number	Profiles	Number	Note			

Performed by:	Date:	

Dual Phase Field Cage Module Production QC Checklists I-Beams and Fiber Reinforced Plastic (FRP) Plates

Visual Receipt Inspection

I-	Visual	Crater	Chips	Expose	Groo	Reinforce	Scuffing	Inspect the
Beam/FRP	Inspection	or		d	ving	ment		polyurethan
ID	(Sat/Unsat)	Shrink		Reinfor		Distortion		e coating
		Mark		cement				
				-				

Visual Inspection – inspect material for cracks, fracture, delamination, dry fiber, burn or thermal decomposition, undercure (dull or bleached surface), flatness of surface/wrinkle depression. Material is rejected if any of these are found.

Crater or Shrink Mark - Satisfactory if part thickness is still within specification.

Chips – Satisfactory if <10mm long/wide, chips past surface veil are unsatisfactory.

Exposed Reinforcement – Satisfactory if < 11,1 mm from edge and < 25% of width of surface or <10% of circumference.

Grooving - Satisfactory if material thickness reduction <10% and groove width < 3.2mm.

Reinforcement Distortion – Satisfactory if fits within 76.2 mm (3") circle

Scuffing – Satisfactory if <30 cm long, <19 cm wide

Critical Dimension Measurements – Measured value within the 0.5mm tolerance compared to the drawing in reference 2

	Date:	
S/N		Calibration Due Date:
	 S/N	

Dual Phase Field Cage Module Production QC Checklists I-Beams and Fiber Reinforced Plastic (FRP) Plates Dimensional Inspection

I Beam/FRP ID	Drawing No.	Cross sectional Dimensions for Rods, Plates and Bars				
		Die Struck Dimension	Wall Thickness (Open Shape)	Thickness (Flat Sheets)		Wall Thickness (Closed Shape)
		+/-4% 0.094 (2.39 mm) max	+/-10% =/- 0.010 (0.25 mm)	0.125 (3.175 mm) and under +/-15% +/-0.010 (0.25 mm) min	Over 0.125 (3.175 mm) +/-10% +/-0.050 (1.27 mm) max	+/-20% =/-0.010 (0.25 mm) min
						<u> </u>

Performed by:		Date:
M&TE	S/N	Calibration Due Date:

Dual Phase Field Cage Module Production QC Checklists I-Beams and Fiber Reinforced Plastic (FRP) Plates Dimensional Inspection

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I Beam/FRP ID	Drawing No.		Length	6" I-beam Critical Dimension	
		Up to 8 ft (2.44 m) inclusive	the distance between the holes for the inter-sub- module connecting plates and the profile slots	Over 24 ft (7.32 m)	+/- 0.5mm
		+0.25, -0 (+6.35, - 0 mm)	+/- 0.5mm	+3, -0 (+76.2, -0 mm)	the distance between the holes for the inter-sub-module connecting plates and the profile slots

Performed by:	Date:			
M&TE	S/N	Calibration Due Date:		

Dual Phase Field Cage Module Production QC Checklists I-Beams and Fiber Reinforced Plastic (FRP) Plates Dimensional Inspection

	Difficultional inspection						
I-	Drawing No.	Straightness	Flatness	Flatness	Camber		
Beam/FRP			Standard Bars, Solid Shapes,	Standard hollow			
ID			Semi-hollow Shapes and Flat	shapes			
			Sheet				
		See Figure	See Figure 2/Table 5*	See Figure	See Figure		
		1/Table 3*		2/Table 6	3/Table 8		

Performed by:		Date: _	
M&TE	S/N		Calibration Due Date: