Quality – Structural Steelwork

Site Engineering Guide www.ajb-settingout.co.uk	Project Name:	
	Location of Inspection (Gridlines)	
Specification/Drawing Ref		

N°	Item	Tick	Initial: Notes or Issues to report
1	**Inspection of Prior to Starting Erection**		
1a	Carry out survey of Base Levels		
1b	Survey/Check position of holding down bolts and conditions		
1c	Bolt cones/bases clear of mud, debris and excess water		
1d	Control provided: - Gridlines on bases etc		
1e	Contractor aware of required tolerances (Greater than NSSS Black Book?)		
2	**Inspection after Handover for Inspection** Tolerances below taken from NSSS Black Book 5th Edition (Ensure preceding trades are working within these tolerances)		
2a	Check level of top of base plates +/- 5mm		
2b	Check deviation from grid at base +/- 10mm		
2c	Check Plumb Single Storey Column +/- Height/600 or ≤ 5mm (storey) Max +/- 25mm (base to eaves) Multi-Storey (up to 10 storeys) +/- height/600 or 5mm (storey height) +/- 50mm max total structure height		
2d	Alignment of perimeter columns relative parallel to grid at base or splice +/- 10mm		
2e	Check beam level relative to specified level +/- 10mm		
2f	Level at each end of beam +/- 5mm		
2g	Steel decking trim +/- 10mm from as-built gridline		
2h	Cross bracing as per drawing including any temporary bracing		
2i	Check fitting of all sag rods and sheeting rails		
2j	Check roof purlins and sheeting rails fitted		
2k	Check all connections are bolted and tightened as specified		
2l	Check for missing bolts		
2m	Check onsite cutting and welding as per specification and design		
3	**Final Handover Inspection**		
3a	When columns grouted tirfors can be removed		
3b	Check cleanliness of steelwork – Muddy?		
3c	Paint work: - Damaged during handling or erection Areas of repair acceptable		
3d	Check for missing bolts or bolts requiring tightening		

Guidance notes for completing this form:

- Attach/print General Arrangement on reverse of this form and mark items/areas applicable to this sheet
- Tick ALL items relevant for inspection, initial inspection stage when completed and infill notes as required
- Continue additional notes overleaf or on additional piece of paper if required
- Attached photographs if applicable If at all possible obtain a counter signature from the Resident Engineer/Clerk of Works/ Building Control prior to pouring

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