

Steel Structure Welding Inspection Checklist

Project Name:

Location:

Inspection Date:

Inspector Name:

Contractor:

1. Welding Material

Item	Check	Remarks
Welding electrodes or filler wire type	<input type="checkbox"/>	
Storage and handling conditions	<input type="checkbox"/>	
Batch and approval certificates available	<input type="checkbox"/>	

2. Joint Preparation

Item	Check	Remarks
Edge preparation as per drawings/specs	<input type="checkbox"/>	
Fit-up and alignment	<input type="checkbox"/>	
Cleaning of joint surfaces	<input type="checkbox"/>	

3. Welding Process

Item	Check	Remarks
Welder qualifications	<input type="checkbox"/>	
Welding parameters as per WPS	<input type="checkbox"/>	
Environmental conditions (wind, temp., humidity)	<input type="checkbox"/>	

4. Visual Inspection After Welding

Item	Acceptable	Remarks
Surface finish & profile	<input type="checkbox"/>	

No cracks, undercuts or overlaps	<input type="checkbox"/>	
Excess spatter removed	<input type="checkbox"/>	
Weld size and length as per drawing	<input type="checkbox"/>	

5. Non-Destructive Testing (if required)

Type	Required	Date Performed	Result	Remarks
Radiographic (RT)	<input type="checkbox"/>			
Ultrasonic (UT)	<input type="checkbox"/>			
Magnetic Particle (MT)	<input type="checkbox"/>			
Dye Penetrant (PT)	<input type="checkbox"/>			

Remarks / Comments

Date:

Inspector Signature: _____

Contractor Signature: _____
