

STANDARDIZATION AND DIGITIZATION OF VISUAL INSPECTION FOR SHIPBUILDING

NSRP SURFACE PREPARATION AND COATING (SSPC) PROJECT

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Project Update

- Group brainstorm at Megarust, April 2019
- Discussion completed at NASSCO SD, May 2019
- Project update meeting in Rhode Island, September 2019
- Developed QA Structural Steel Inspection for New Construction
- Working on QA Compartment Closeout Inspection
- Contract Completed

Next Up

- Collect feedback and reports from NNS and BAE
- Establish standardized lists between new build and repair, but respect need to configure by yard
- Additional inspections

**Not export controlled*



QA Structural Inspection, New Construction

Inspection ID:	Hull:	UBZ:	Location:	PC:	SOC:
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Part:	Inspection Date:	Start Time:	End Time:
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2mm Grind Vacuum FWAT

ACCEPT REJECT

Callout ID: _____

Attribute Code	Description	Occur	Defect PC	Defect SOC
FT.31.00	Notches			
FT.32.00	Slag			
FT.33.00	Gouges			
FT.34.00	Fabrication scars			
FT.35.00	Opposition is not correct.			
FT.36.00	Structure is unfair. Distortion is present.			
FT.37.00	Not assembled per drawing			
FT.38.00	Part not fit or parts missing.			
FT.40.00	Burns/Bevels Incomplete			
FT.42.00	Missing Rat Holes			
FT.43.00	Alignment			
FT.44.00	Additional NDT Required			
WL.31.00	Weld wraps are incomplete			
WL.32.00	Weld spatter is not removed			
WL.33.00	Weld contours are improper			
WL.34.00	Arc strikes are not ground			
WL.35.00	Linear discontinuities (weld cracks) are present			
WL.36.00	Porosity is present			
WL.37.00	Undercuts are present			
WL.38.00	End Melts			
WL.39.00	Corner Melts			
WL.40.00	Weld size incorrect			
WL.42.00	Base Metal Repair required			
WL.43.00	Structural welding is not complete			
WL.44.00	Incomplete fusion is present			
WL.46.00	Sharp edges not removed, not properly radius			

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Total Discrepancies 0



DEMO

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