

Location Designations:				Sketch/Description:
Pad-to-Tank (Designated with 'A' codes)				
Code	Description	Location	Inspect	
A1	Outboard sill pad-to-tank transverse weld	A & B-Ends	Full length of weld, including portion around corner of pad	
A2	Outboard sill pad longitudinal welds.	AR, AL, BR, BL	Full length of weld to termination at bottom reinforcement pad	
A3	Fillet weld in outboard sill pad-to-tank cutout.	A & B-Ends	Full length of weld. See note 1.	
A4	Sill pad longitudinal weld – outboard termination.	AR, AL, BR, BL	Last 6” of weld.	
A5	Second full transverse sill pad weld.	A & B-Ends	Full length of weld.	
A6	Inboard termination of sill pad longitudinal welds.	AR, AL, BR, BL	Last 6” of longitudinal portion of weld on both sides of end-points.	
A9	Bolster pad-to-tank transverse weld.	ARO, ARI, ALO, ALI, BRO, BRI, BLO, BLI	Full length of weld.	
A10	Top of body bolster pad longitudinal weld.	AR, AL, BR, BL	Full length of weld.	
A11	Inboard sill pad-to-tank transverse weld.	A & B-Ends	3” of weld on both sides of centerline pad.	
<p>NOTES:</p> <ol style="list-style-type: none"> Use the 3/4” diameter hole in the top of the draft sill (between the draft lugs) for the remote visual inspection of the A3 weld in the center of the nose bearing plate. Inspection required for any tank damaged or deformed by accident. <p>Use the “Generic Tank Head Brace” template for head brace defects. Use the “Generic Body Bolster” template for body bolster defects. Use the TCID “Record Shell/Sill Damage” button for:</p> <ul style="list-style-type: none"> All parent metal defects All structural defects outside the scope of these templates 				

Location Designations:			
Sill-to-Pad Welds (Designated with a 'B' code)			
Code	Description	Location	Inspect
B2	Outboard termination of longitudinal weld (outside of sill).	AR, AL, BR, BL	Last 6" of weld to termination.
B4	Inboard termination of longitudinal weld (outside of sill).	AR, AL, BR, BL	Last 6" of weld including any portion of weld that wraps around sill and connects with B44.
B7	Outboard Stub Sill Separator Plate Transverse Weld	Outboard A & B – ends	Full length of weld.
B9	Inboard Stub Sill Separator Plate Transverse Weld	Inboard A & B – ends	Full length of weld.
B22	Outboard termination of longitudinal weld (inside of sill).	AR, AL, BR, BL	Last 6" of weld.
B44	Inboard termination of longitudinal weld (inside of sill).	AR, AL, BR, BL	Last 6" of weld.

Use the "Generic Tank Head Brace" template for the head brace defects.

Use the "Generic Body Bolster" template for body bolster defects.

Use the TCID "Record Shell/Sill Damage" button for:

- All parent metal defects.
- All structural defects outside the scope of these templates.

The diagram illustrates a cross-section of a tank head brace assembly. It features a central horizontal longitudinal member with a vertical head brace at each end. A dashed blue rectangle highlights the central section of the longitudinal member. Callouts with arrows point to specific weld locations: B22 and B2 point to the outboard termination of longitudinal welds on the left; B7 and B9 point to transverse welds on the left; B4 and B44 point to the inboard termination of longitudinal welds on the right.