

VISUAL ASSESSMENT OF PSBD UNIT SN:		QCN:		DATE:	
ITEM NO	DESCRIPTION AND DRAWING NO.	PASS	FAIL	WHAT TO LOOK FOR	COMMENTS
1	601-ASI-001 - PORTABLE SHALLOW-BED BATCH DRYER				
2	601-ASI-001 - DRYING AIR SUPPLY UNIT ASSEMBLY				
2.1	602-ASI-001 - DRYING AIR SUPPLY UNIT BODY ASSEMBLY				
2.1.1	603-ASI-001 - DRYING AIR SUPPLY BODY SUBASSEMBLY			<p>Assembly - Ensure that removable HX cover creates a seal with the main body and that no gaps are visible. Finish</p> <p>- Check for proper paint coverage</p>	
2.1.2	603-ASI-002 - REMOVABLE HEAT EXCHANGER (HX) PANEL			<p>Assembly - Ensure that removable HX cover creates a seal with the main body and that no gaps are visible. Fit - Ensure that the engine can stow properly with the chimney collapsed. Finish -</p> <p>Check for proper paint coverage</p>	
2.1.3	603-ASI-003 - REMOVABLE HEAT EXCHANGER (HX)			<p>Fit - When looking from the rear and furnace sides, ensure that all the panels have parallel and equal spacings to ensure even air and exhaust flows. That there are no visible gaps between the body frame and the HX panels and that all the panels have been stitchwelded welded on the furnace side only.</p>	
2.1.4	604-ASI-002 - 18" PRIMARY FAN ASSEMBLY			<p>Fit - Ensure that all fan blades clears the scroll with a gap no more than 3/16 and does not mach contact anywhere front and back.</p> <p>Function - Ensure the blade angles are correct where the blade leading and trailing edges lines up with the hub edges. Ensure the blade direction is correct where the fan pushes air through the HX in a counter clockwise rotation.</p> <p>Finish - Check for proper paint coverage</p>	
2.1.5	604-ASI-003 - 18" PRIMARY FAN SUPPORT ASSEMBLY			<p>Assembly - Ensure that the main support member is installed with spring washers. Fit - Ensure that protective mesh is tight and does not touch the fan. Check that the bearing is installed with spring washers and that the zerk nipple is in place and that all the shaft grub screws are in place.</p> <p>Finish - Check for proper paint coverage</p>	
2.1.6	604-ASI-004 - AIRFLOW INDICATOR ASSEMBLY			<p>Fit - Ensure that airflow indicator fits freely into the receiving hold.</p> <p>Function - Check that it can swing freely with limited input. To be calibrated against a grainbed where an A 4 sheet of crisp paper float ever so gently on the grain bed.</p> <p>Finish - Check for proper paint coverage</p>	
2.1.7	605-ASI-001 - DRYER UNIT FRONT COVER ASSEMBLY			<p>Fit - Ensure that the panel seals properly on the main body. Check that the bearing is installed with spring washers and that the zerk nipple facing upwards and that all the shaft grub screws are in place. Finish -</p> <p>Check for proper paint coverage</p>	
2.1.8	605-ASI-002 - DRYER UNIT LEFT COVER ASSEMBLY			<p>Fit - Ensure that the panel seals properly on the main body.</p> <p>Finish - Check for proper paint coverage</p>	
2.1.9	605-ASI-003 - DRYER UNIT RIGHT COVER ASSEMBLY			<p>Fit - Ensure that the panel seals properly on the main body. Check that the bearing is installed with spring washers and that the zerk nipple faces upwards and that all the shaft grub screws are in place. Finish -</p> <p>Check for proper paint coverage</p>	
2.1.10	605-ASI-004 - DRYER UNIT CHIMNEY ASSEMBLY			<p>Fit - Ensure that chimney base seals properly on the main body.</p> <p>Function - Check that the chimney can collapse and that the catch works properly.</p> <p>Finish - Check for proper paint coverage</p>	
2.1.11	605-ASI-005 - DRYER UNIT MAIN FRAME ASSEMBLY			<p>Assembly - Ensure all welds have been treated to prevent a professional look. Finish</p> <p>- Check for proper paint coverage</p>	
2.1.12	605-ASI-006 - HX 18 IN PRIMARY FAN DIVIDER ASSEMBLY			<p>Assembly - Ensure the dividing plate between the scroll and the HX is in place.</p> <p>Finish - Check for proper paint coverage on the inside of the fan scroll.</p>	
2.1.13	605-ASI-007 - FURNACE HX DIVIDER ASSEMBLY			<p>Fit - Ensure that the vertical reinforcement is in place</p>	
2.1.14	605-ASI-008 - HX EXHAUST DIVIDER ASSEMBLY				
2.1.15	605-ASI-009 - FURNACE GRATE ASSEMBLY			<p>Fit - Ensure that no gaps larger than 3/4 exist anywhere in the assembly. Gaps should also be kept over 5/8. Ensure sufficient welding at all joints to withstand heat distortion.</p> <p>Material - Ensure the dividing plate is 14 gauge.</p>	
2.1.16	605-ASI-010 - 12 IN EXHAUST FAN SCROLL ASSEMBLY			<p>Fit - Ensure that all fan blades clears the scroll with a gap no more than 3/16. Ensure no gaps between the HX and exhaust sides.</p>	
2.1.17	605-ASI-011 - 12 IN EXHAUST FAN ASSEMBLY			<p>Fit - Ensure that all fan blades clears the scroll with a gap no more than 3/16 and does not protrude beyond the scroll edge at the front and back. Function -</p> <p>Ensure the blade angles are correct where the blade leading and trailing edges lines up with the hub edges. Ensure the blade direction is correct where the fan pushes air out the chimney in a counter clockwise rotation.</p>	
2.1.18	605-ASI-012 - DRYER UNIT BOTTOM COVER ASSEMBLY			<p>Finish - Check for proper paint coverage</p>	
2.1.19	606-ASI-001 - ASH CLEANOUT DOOR ASSEMBLY			<p>Fit - Ensure the the door creates a seal with the body and that the latch closes tightly Finish</p> <p>Check for proper paint coverage</p>	
2.1.20	606-ASI-002 - P 204 LUBRICATION EXTENSION			<p>Function - Ensure the bearing receives grease by looking through the HX</p>	

2.2	602-ASI-002 - PETROL ENGINE ASSEMBLY			Assembly - Ensure it is q 6.5 HP engine that idles around 1400 RPM. Bolts connections to include spring washers.	
2.2.1	603-ASI-005 - PETROL ENGINE MOUNTING BRACKET			Fit - Connecting pin fits in the receiveing angles and bracket snug but not too tight. Any excessive play will cause the engine to vibrate. Finish - Check for proper paint coverage	
2.3	602-ASI-003 - COB DRYING BASKET ASSEMBLY			Fit - Basket fits in the furnace grate and chimney snug but not too tight. Function - Ensure the lid hinges are far enough back so the lid can drop 2/0 Expended Metal - Check for proper welds and nothing snagging. Finish - Check for proper paint coverage and has wooden handles	
2.3.2	603-ASI-007 - COB DRYING BASKET FRAME			Fit - Legs fit in the furnace grate and chimney snug but not too tight.	
3	601-ASI-002 - SHALLOW-BED ASSEMBLY				
3.1	602-ASI-004 - SHALLOW-BED MAIN SUPPORT ASSEMBLY			Function - Confirm that the entire system fits and connect smoothly	
3.1.1	603-ASI-008 - SHALLOW-BED COLLAPSIBLE FRAME			Function - Confirm that frame only opens to 90 and that the pins and catches connect smoothly	
3.1.1.1	604-ASI-006 - SHALLOW-BED COLLAPSIBLE SUB FRAME 1			Sharp edges - Check for sharp edges or anything that can puncture the plenum. Finish - Check for proper paint coverage	
3.1.1.2	604-ASI-007 - SHALLOW-BED COLLAPSIBLE SUB FRAME 2			Sharp edges - Check for sharp edges or anything that can puncture the plenum. Finish - Check for proper paint coverage	
3.1.2	603-ASI-009 - SHALLOW-BED CENTER POST			Sharp corners - Check for sharp corners or anything that can puncture the plenum. Finish - Check for proper paint coverage	
3.1.3	603-ASI-010 - SHALLOW-BED COLLAPSIBLE PANEL			Fit - Snug but not too tight. Sharp corners - Check for sharp corners or anything that can puncture the plenum. Revisits - Ensure perimeter revisits are facing upward with center revisits downwards. Coffee Mesh - Check for damage and tightness. Finish - Check for proper paint coverage	
3.1.4	603-ASI-011 - SHALLOW-BED COLLAPSIBLE PANEL WITH OVERLAP			Fit - Snug but not too tight. Sharp corners - Check for sharp corners or anything that can puncture the plenum. Revisits - Ensure perimeter revisits are facing upward with center revisits downwards. Coffee Mesh - Check for damage and tightness. Finish - Check for proper paint coverage	
3.2	602-ASI-005 - SHALLOW-BED PLENUM ASSEMBLY			Fit - Snug but not too tight. Seams - Check for bad seams Reinforcement - Ensure proper reinforcement in all corners and center. Material - Make sure the proper material is used at the right locations.	
3.2.1	603-ASI-012 - SHALLOW-BED PLENUM STRAP			Function - Make sure it functions properly Material - Make sure it is cotton/leather/temperature resistant.	
3.3	602-ASI-006 - SHALLOW-BED RAINFLY ASSEMBLY			Fit - Snug but not too tight. Length - Reaches at least 4" below plenum sidewalls. Seams - Check for bad seams Reinforcement - Ensure proper reinforcement in all corners and center.	