



ITS Quality Checklist Backup Power Installation



Date:		Contract ID:		Financial Project ID:		Quality Inspector:	
Plan Sheet		MP		Sta.		Site Identification Name	
CONFORMED	NCR*	N/A	INSPECTION REQUIRED				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that the backup power generator (BPG) is set on vibration isolators per the approved plans and specifications and each isolator is bolted to the floor (pad), generator base bolted to isolator.				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that the BPG is installed with sufficient number of isolators so that the floor (pad) bearing pressure under each isolator is within the floor (pad) loading specification and that there is an equal number of isolators for equal share of floor weight distribution per the approved plans and specifications.				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that the installation of all connections between the BPG and all systems such as fuel lines, electrical connections, and engine exhaust system and air exhaust shroud, shall be flexible or per the approved plans and specifications.				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that all ITS devices supported by the BPG are electrically connected via an automatic or manual transfer switch as per the approved plans and specifications to ensure that they will continue to operate during a power failure.				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that the installation is neat, thermally and structurally tight without sag, neatly finished at all hangers or other penetrations per the approved plans and specifications.				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that the BPG is field tested by a start up technician that commissions the electrical and mechanical quality and operation of the BPG.				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that the BPG will attain proper voltage, frequency and will accept 100 percent block load within 10 seconds from a cold start after the closing of a single contact.				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If an Automatic Transfer Switch is part of the BPG, verify that phase, voltage, ampere rating, number of poles, withstand rating shall be as shown on the engineering plan design. The ampere rating shall be for 100 percent continuous load current.				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that the automatic transfer switch (ATS) is installed in accordance with the approved plans and specifications and is level and anchored to floor or wall.				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that the BPG is equipped with a disconnect by means of which the BPG and all protective devices and control apparatus are able to be disconnected entirely from the circuits supplied by the generator as required per NEC.				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Document all changes from the approved plans and specification to the as-built drawings.				
<p>*Complete and Attach a Nonconformance Report for all Nonconforming items noted.</p>							
QUALITY INSPECTOR			DATE			DOC CONTROL NO.	