IR-2 RIGGING PROCEDURE and JOB HAZARD ANALYSIS
FOR SPECIAL PURPOSE HANDLING FIXTURE
FWD LOWER CORNER BLOCK ADAPTOR

1.0 Loads:
   FWD Lower Corner Block Adaptor  181 lbs
   Fixture 344 lbs
   Total Load (excluding rigging)  525 lbs

2.0 Rigging Layout:
   Drawing number SK-HJK080104-8

3.0 Rigging Equipment:
   The 10 ton hoist shall support a 4-ft long sling of 2,000 lb minimum working load rating with a
   6.5 ton minimum capacity screw pin shackle. The 50 ton main hoist is not used for this
   operation.

4.0 Installation Procedure:
   Refer to drawing number SK-HJK080104-8. The fixture is designed such that the CGZ of the
   unloaded fixture is located at point A. Point B represents the CGZ of the combined fixture
   plus the FWD Lower Corner Block Adaptor weight.

   4.1 Connect the sling shackle to Point A on the fixture.
   4.2 Lift the fixture and position same to mate with the appropriate FWD Lower Corner Block
       Adaptor.
   4.3 Bolt the fixture to the FWD Lower Corner Block Adaptor.
   4.4 Move the sling from Point A on the fixture to Point B.
   4.5 Bring the fixture/adaptor assembly to the detector area.
   4.6 Position FWD Lower Corner Block Adaptor to mate with the appropriate FWD Lower
       Corner Block.
   4.7 Bolt the FWD Lower Corner Block Adaptor to the FWD Lower Corner Block.
   4.8 Lower the hoist slightly and move the rigging from Point B on the fixture to Point A on
       the fixture. The fixture will be cantilevered off of the FWD Lower Corner Block
       Adaptor at this time.
   4.9 Reposition the trolley over Point A on the fixture.
   4.10 Raise the hoist to remove the slack from the sling.
   4.11 Gently unbolt the fixture from the FWD Lower Corner Block Adaptor.
   4.12 Bring fixture to the IR-2 assembly area.
5.0 Removal Procedure:

5.1 Connect the sling shackle to Point A on the fixture.
5.2 Lift the fixture and bring the fixture to the detector area.
5.3 Position the fixture to mate with the appropriate FWD Lower Corner Block Adaptor.
5.4 Bolt the fixture to the FWD Lower Corner Block Adaptor.
5.5 Lower the hoist slightly and move the sling from Point A on the fixture to Point B. The fixture will be cantilevered off of the FWD Lower Corner Block Adaptor at this time.
5.6 Reposition the trolley over Point B on the fixture.
5.7 Raise the hoist to remove the slack from the sling.
5.8 Gently unbolt the FWD Lower Corner Block Adaptor from the FWD Lower Corner Block.
5.9 Take fixture/adaptor assembly back to IR-2 assembly area and set on dunnage.
5.10 Lower the hoist and move the sling from Point B on the fixture to Point A.
5.11 Take the fixture away.

6.0 Potential Hazards:

6.1 Crushed extremities.
6.2 Personnel in path of load movement or under load.
6.3 Unexpected load movement.
6.4 Operator error.
6.5 Equipment failure.

7.0 Hazard Controls:

7.1 Crane Operator shall be a SLAC-certified (EFD) rigger.
7.2 No one will be allowed under a suspended load or in the path of a load.
7.3 Strict controls of crane control box and rigging procedures.
7.4 Inspection of equipment prior to use.
7.5 Inspection of crane functions.
7.6 Current training of personnel.
7.7 Crane maintenance current.
7.8 Review of procedures with rigging personnel.
7.9 Appropriate use of personnel protection equipment.
7.10 Appropriate supervision of tasks.
7.11 Continuous safety oversight is preferred.
8.0 Field Observations and Comments:

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