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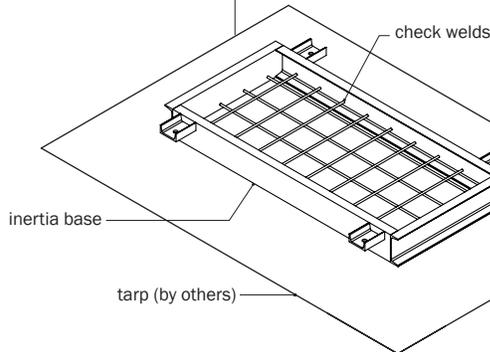
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File No.: INS-CIB-001
Supersedes: New

Date: 26 Apr 2013
Date: New

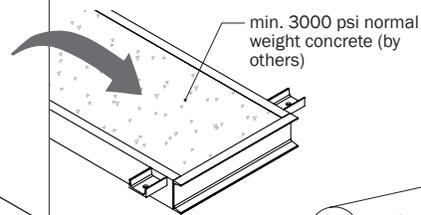
INSTRUCTIONS

1. Lay tarp (or polyethylene sheets or fiberboard) on a flat floor where the concrete will be poured and cured.

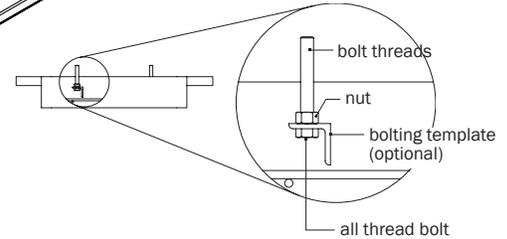


2. Place the inertia base on the tarp. Check rebar-to-perimeter channel welds, and repair those welds if necessary.

3. Pour 3000 psi normal weight concrete inside the inertia base unless otherwise specified in the submittal drawings. The concrete surface should be flat, smooth and level with the frame of the base.



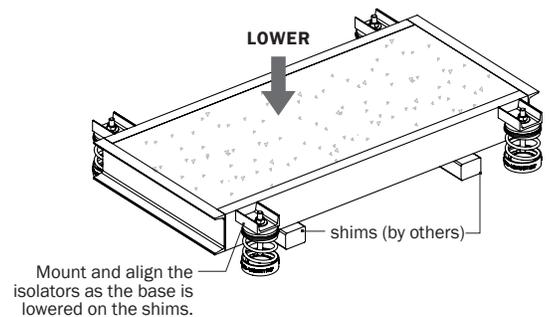
⚠ Install the equipment mounting bolts before pouring the concrete for the bases with bolting template option. Try to keep bolt threads as clean as possible while pouring the concrete.



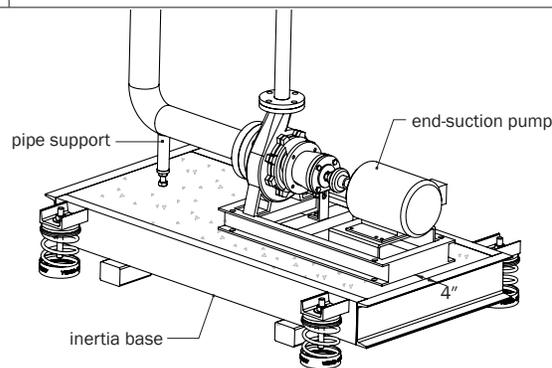
4. Once the concrete is fully dried and cured, lift the base either by floor jacks, a hoist or similar means. If the base is being lifted by a hoist mechanism where the height-saving brackets are used, make sure that the base is level at all times in order to prevent bracket failure.

5. Start lowering the inertia base on shims. See submittal drawings for required operating clearance from the floor. As the base is being lowered, make sure that the isolators are mounted to the brackets. As the base gets closer to sitting on the shims, align the isolators. Once all isolators are in proper position, completely lower the base on shims.

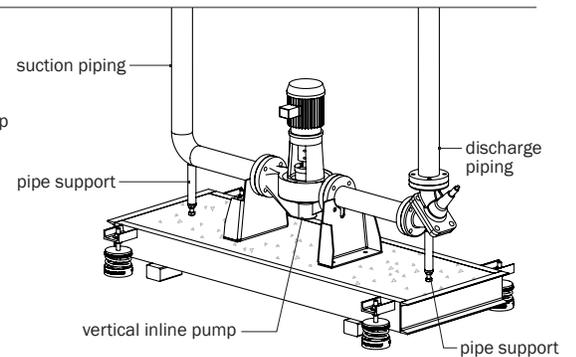
As a rule, use at least the same quantity of shims as isolator brackets and place them within the vicinity of the isolators.



6. Place and anchor the equipment on base either with post-installed anchors or by using the optional cast-in-place bolts. See seismic calculations for embedment and edge distance requirements on anchors. Make sure that the orientation of the equipment is in agreement with the submittal drawing (motor end, pump end, etc.)



⚠ The pump shaft centerline should align with the centerline of the base width when installed. For end suction pumps, leave about 4" clearance from the motor end of the skid in order to leave room on the other end of the inertia base for the suction piping support.



⚠ Position vertical inline pumps in such a way that the piping on both suction and discharge sides are supported on the inertia base. Ensure piping centerline aligns with the centerline of the base width.

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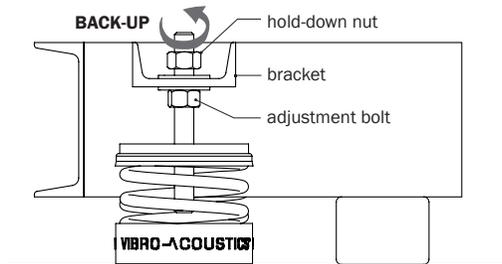
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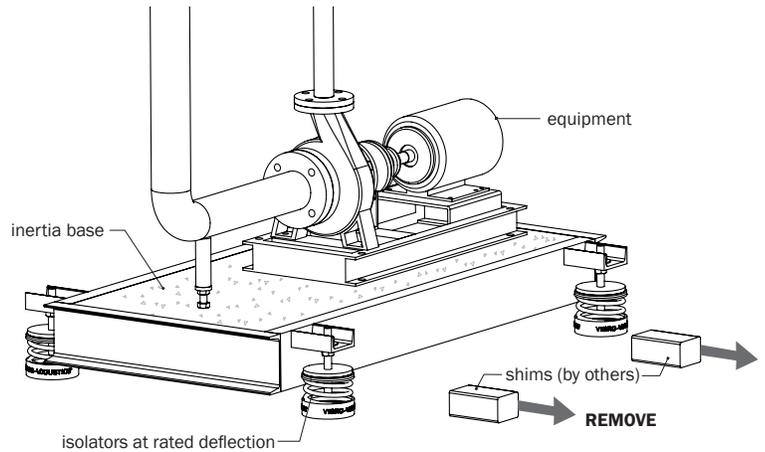
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INSTRUCTIONS

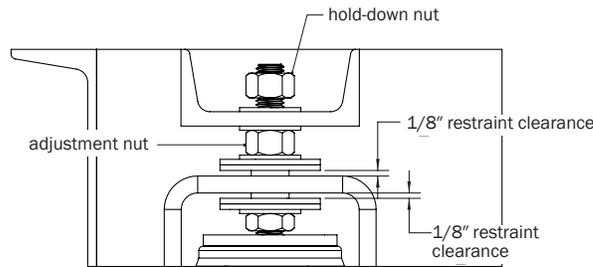
7. Back up the hold-down nut about a 1/4 of a turn. Adjust isolators. At this point, refer to the installation instructions of the isolator that is being used with the inertia base for further instructions on adjustment. Follow the isolator adjustment sequence below (Fig. 1).



8. As the base is lifted off the shims, stop adjusting. The shims can then be removed. Make sure that the inertia base is level.



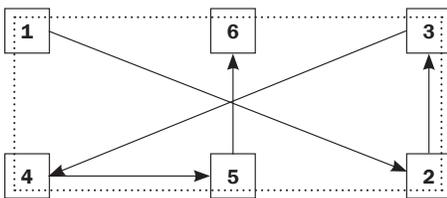
9. (For SFS isolators only) Check the restraint clearance with SFS isolators, and fine-adjust the springs until proper restraint clearance of 1/8" on each side of the housing is achieved.



10. Tighten the hold down nut for all isolators. Perform a final check for the base to see if it is level. Perform final adjustments if needed.

Installation complete.

Fig. 1. Isolator adjustment sequence example



Isolator adjustment sequence is similar for other quantities and configurations.