

INSTALLATION GUIDE IG# 521

OVERSIZE FRAME AND DOOR INSTALLATION

INSTALLATION INSTRUCTIONS WATERMARKOF OVERSIZED FRAMES (ACOUSTIC)

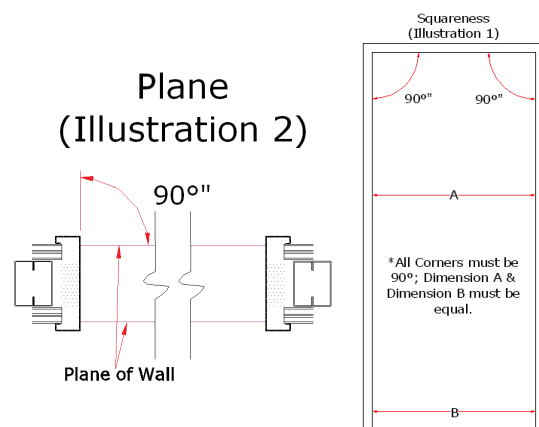
*The following recommendations and precautions are intended to ensure a quality installation of our products. *Please note that this is a general reference guide, and each installation is unique. Please contact Krieger with any installation specific questions for assistance*

Hollow metal doors and frames should be generally installed by qualified experienced journeyman carpenters. Frames must be installed (1) square, (2) plumb, (3) in plane, and (4) not twisted to achieve proper door alignment and seal contact. Check the diagonal dimensions and “cross string” the frame to ensure that jambs are set correctly. Anchor the frame securely to the walls utilizing all the anchor points. Acoustical frames must be filled with sound deadening material to achieve the required acoustical rating. We further recommend that caulking be applied to the frame return at the wall interface to ensure a good, continuous seal.

- 1) Locate frame components
- 2) This frame will require field assembly before installation. Special heavy-duty lifting equipment will be required for assembly and installation of these frames.
- 3) Lay out and assemble the four components (2 EA. Frame Legs, 1 EA head section, 1 EA sill section if applicable) remove the seal, cap, and retainer.

DO NOT PAINT THE NEOPRENE SEAL.

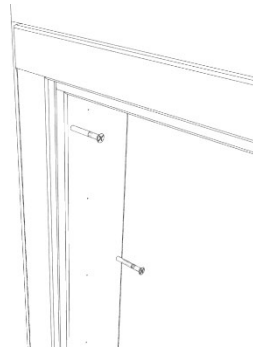
- 4) Connect the corners by aligning the reinforcing corner plates and installing the connecting bolts, tightening to secure.
- 5) Check the frame for square and plumb, check the diagonal dimensions and cross measure the frame. Once secured weld the frame corners per the welding directions on the shop drawings.
- 6) Fill frame with sound deadening material.
 - a) See applicable Installation Guides
 - i) <https://www.kriegerproducts.com/support/manuals/>
- 7) The frame must be installed square, plumb, and in plane to achieve proper door alignment. Stand assembled frame up by installing the lifting lugs in the pre-drilled and tapped holes. Check the diagonal dimensions and cross measure the framed door opening to ensure the frames are set correctly.



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- 8) Anchor the frame securely to the wall with anchor bolts per the size and quantity listed on the shop drawings.



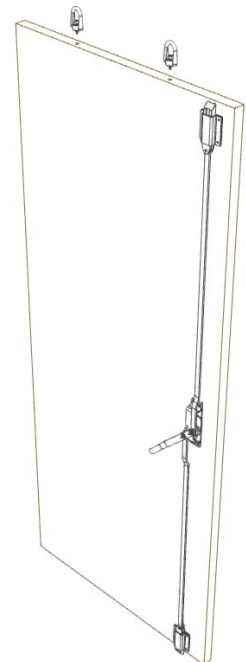
- 9) If your frame has an embed sill section, the sill will require that the concrete be poured in and around the sill component. Re-verify that the sill component is installed level and square to the opening. If applicable, shim under the component where required before installation of concrete into this area.
- 10) Confirm frames are set square, plumb, in plane and at the correct floor height.

11) INSTALLATION OF OVERSIZED DOORS (ACOUSTIC)

- 12) **CAUTION MUST BE USED DURING HANDLING.** Special heavy-duty equipment will be required for installation of these doors.

- a) If slings are used during installation, ensure the tension does not exceed the sling capacity.

- 13) Remove the dual cam lift door bottom by removing bolts found at the bottom of each door. Mark these items with the mark number (location) to be re-installed later.
- 14) Install the heavy-duty lifting brackets (2 ea. Provided) to one door and attach appropriately rated lifting cables or chains. When lifting these doors, it is helpful to place wooden skids (2" x 4" wooden studs) under the door. **DO NOT DRAG THE DOOR ON CONCRETE.** The skids will move along with the door as it is lifted vertically into the air.



- 15) Install the heavy-duty hinges onto the doors noting the grease fitting is on the bottom of the hinge. The intermediate (center hinge is a cam lift type and spreads open as it is rotated) hinge is also

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handed, and verification of its action should be made after its installation. The un-attached side of the hinge should move upwards as it is rotated to the open position.

- i) https://www.kriegerproducts.com/support/manuals/IG_522.pdf

- 16) Lift the door into the opening at near 90 degrees (perpendicular) to the frame and begin attachment of hinges to doors. It is helpful to use a large diameter screwdriver shaft, or punch to align the holes for bolt attachment. **DO NOT PRY DIRECTLY ON THE THREADED PORTION OF THE HOLES WITH THE TIP OF THE ALIGNMENT TOOL.** This may cause damage to the prepared threads

NOTE: ***DO NOT*** LIFT DOOR FROM THE BOTTOM, THIS PLACES STRAIN ON THE DOOR AND CAN CAUSE ALIGNMENT AND OPERATIONAL ISSUES.

- 17) Close the door and verify clearances. Minimal adjustments can be made to clearances by loosening and adjusting the door and re-tightening the hinge. Adjust appropriately until proper clearances have been achieved.
- 18) **DO NOT RE-INSTALL THE DOOR BOTTOMS UNTIL ALL CONSTRUCTION PHASES ARE COMPLETED.** Power cords, construction debris etc. will damage the door bottom seal. **DO NOT** wedge or allow these doors to be wedged open unless this bottom has been removed and the wedge does not encounter the door skin bottom edge.

- 19) Install required hardware to secure the opening. Instructions for each device will be individually packaged with the device. All holes are predrilled for ease of installation.

- 20) Astragals are shipped loose. The neoprene rubber is factory installed and not removable. Tape off rubber and paint exposed metal surfaces before installation of astragals. **DO NOT PAINT NEOPRENE RUBBER.**

