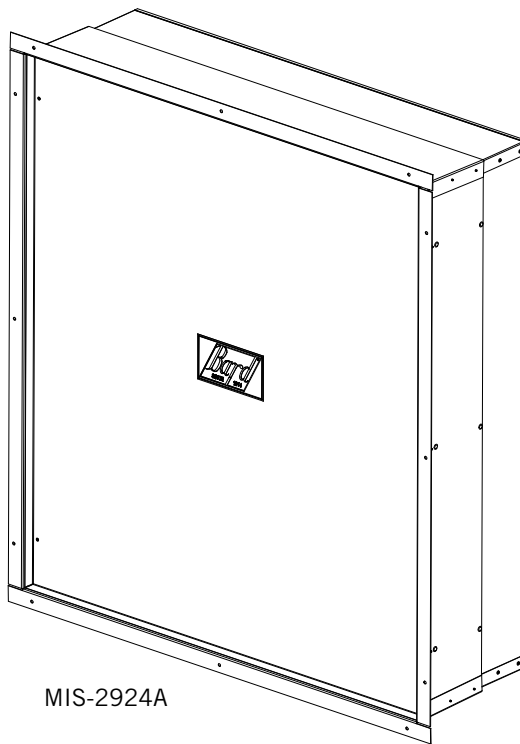

INSTALLATION INSTRUCTIONS

I-TEC WALL SLEEVE FOR 4" AND 6" LOUVERS

Model:
IWS-S01



MIS-2924A



Climate Control Solutions

Bard Manufacturing Company, Inc.
Bryan, Ohio 43506
www.bardhvac.com

Manual: 2100-632
Supersedes: **NEW**
Date: 3-18-15

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Getting Other Information and Publications

These publications can help you install the air conditioner or heat pump. You can usually find these at your local library or purchase them directly from the publisher. Be sure to consult current edition of each standard.

Standard for the InstallationANSI/NFPA 90A
of Air Conditioning and Ventilating Systems

Standard for Warm Air Heating.....ANSI/NFPA 90B
and Air Conditioning Systems

I-TEC Installation Instruction Manual... Bard/2100-549
(latest revision)

FOR MORE INFORMATION, CONTACT THESE PUBLISHERS:

ACCA **Air Conditioning Contractors of America**
1712 New Hampshire Avenue, NW
Washington, DC 20009
Telephone: (202) 483-9370
Fax: (202) 234-4721

ANSI **American National Standards Institute**
11 West Street, 13th Floor
New York, NY 10036
Telephone: (212) 642-4900
Fax: (212) 302-1286

ASHRAE **American Society of Heating,
Refrigerating, and Air Conditioning
Engineers, Inc.**
1791 Tullie Circle, N.E.
Atlanta, GA 30329-2305
Telephone: (404) 636-8400
Fax: (404) 321-5478

BARD **Bard Manufacturing Company, Inc.**
1914 Randolph Drive
Bryan, OH 43506
Telephone: (419) 636-1194
Fax: (419) 636-2640

INSTALLATION

SHIPPING DAMAGE

Upon receipt of equipment, the carton should be checked for external signs of shipping damage. If damage is found, the receiving party must contact the last carrier immediately, preferably in writing, requesting inspection by the carrier's agent.

GENERAL

These instructions explain the recommended method to install the wall sleeve. The equipment covered in this manual is to be installed by trained service and installation technicians.

These instructions and any instructions packaged with any separate equipment required to make the entire air conditioning system should be carefully read before beginning the installation.

While intended as a general recommended guide, these instructions do not supersede any national and/or local codes in any way. Authorities having jurisdiction should be consulted before the installation is made.

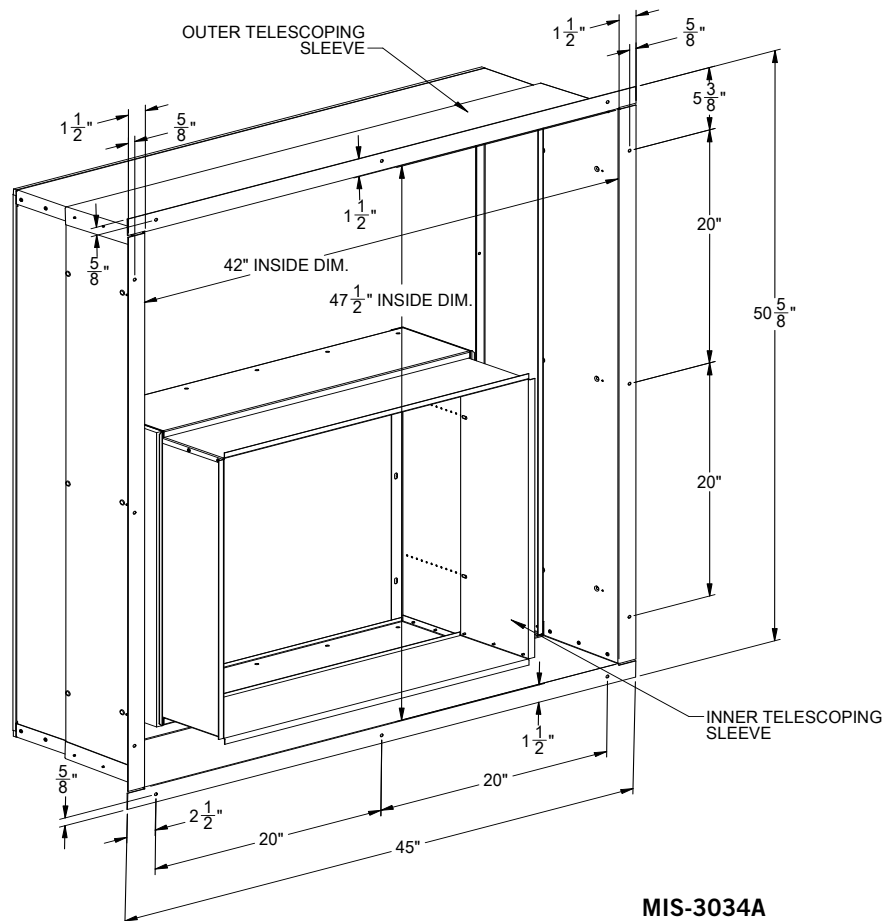
INSTALLATION – MASONRY CONSTRUCTION WALLS ONLY

This sleeve assembly is designed for special installation applications that require the louver and installation opening to be larger than 45" x 50-5/8" (see Figures 1 and 2). The field-supplied 4" to 6" deep louver design must include a block-off plate on the back side with an opening that has maximum dimensions of 42" x 47-1/2" and must be designed in such a way as to not allow air and water into the room area (see Figure 3).

First, attach field-supplied louver to wall opening per local building codes and instructions provided by louver manufacturer (see Figure 4 on page 6). Measure distance from the block-off plate on the louver to the inside wall surface. This distance plus 1/2" is needed to adjust sleeve assembly for installation (see Figure 2).

Remove inner and outer sleeve parts from packaging. Be sure to save parts bag and sleeve documentation.

FIGURE 1
Wall Sleeve Dimensions



MIS-3034A

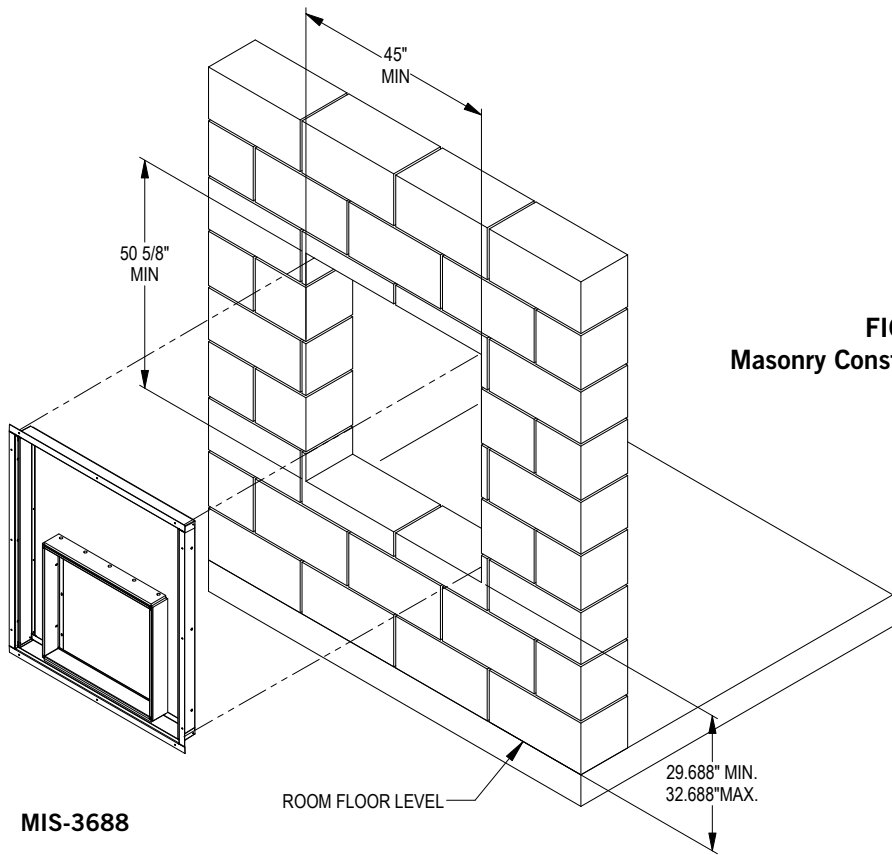


FIGURE 2
Masonry Construction Installation

MIS-3688

ROOM FLOOR LEVEL

29.688" MIN.
32.688" MAX.

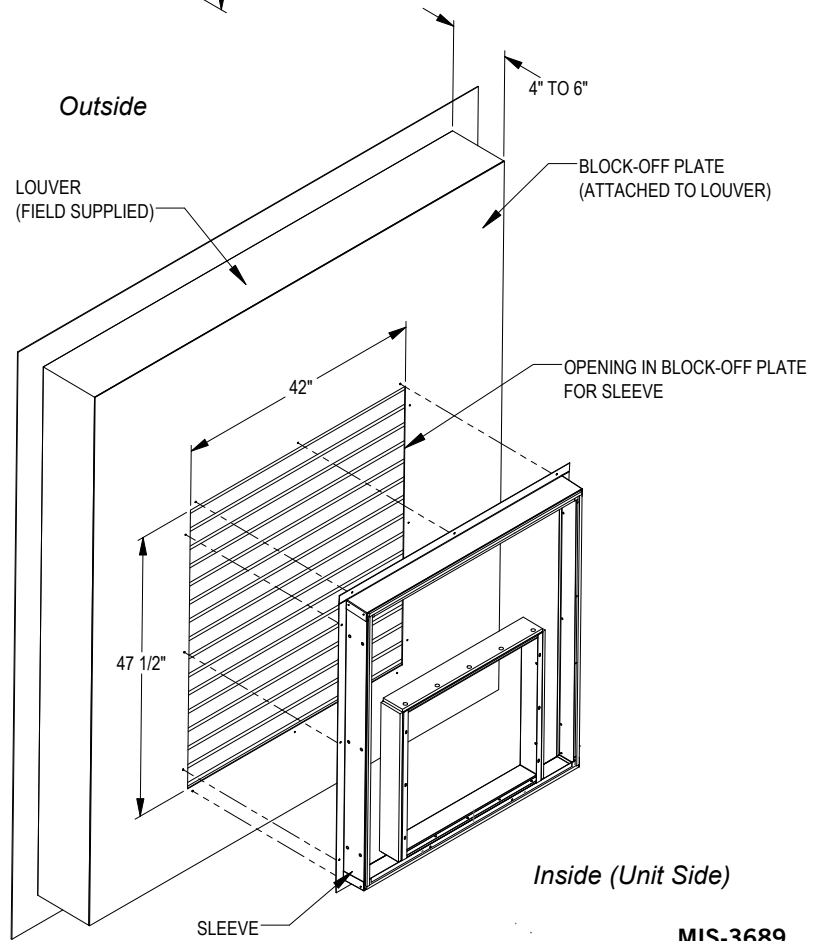


FIGURE 3
Sleeve Assembly Installation

Outside

LOUVER
(FIELD SUPPLIED)

4" TO 6"

BLOCK-OFF PLATE
(ATTACHED TO LOUVER)

OPENING IN BLOCK-OFF PLATE
FOR SLEEVE

42"

47 1/2"

Inside (Unit Side)

SLEEVE

MIS-3689

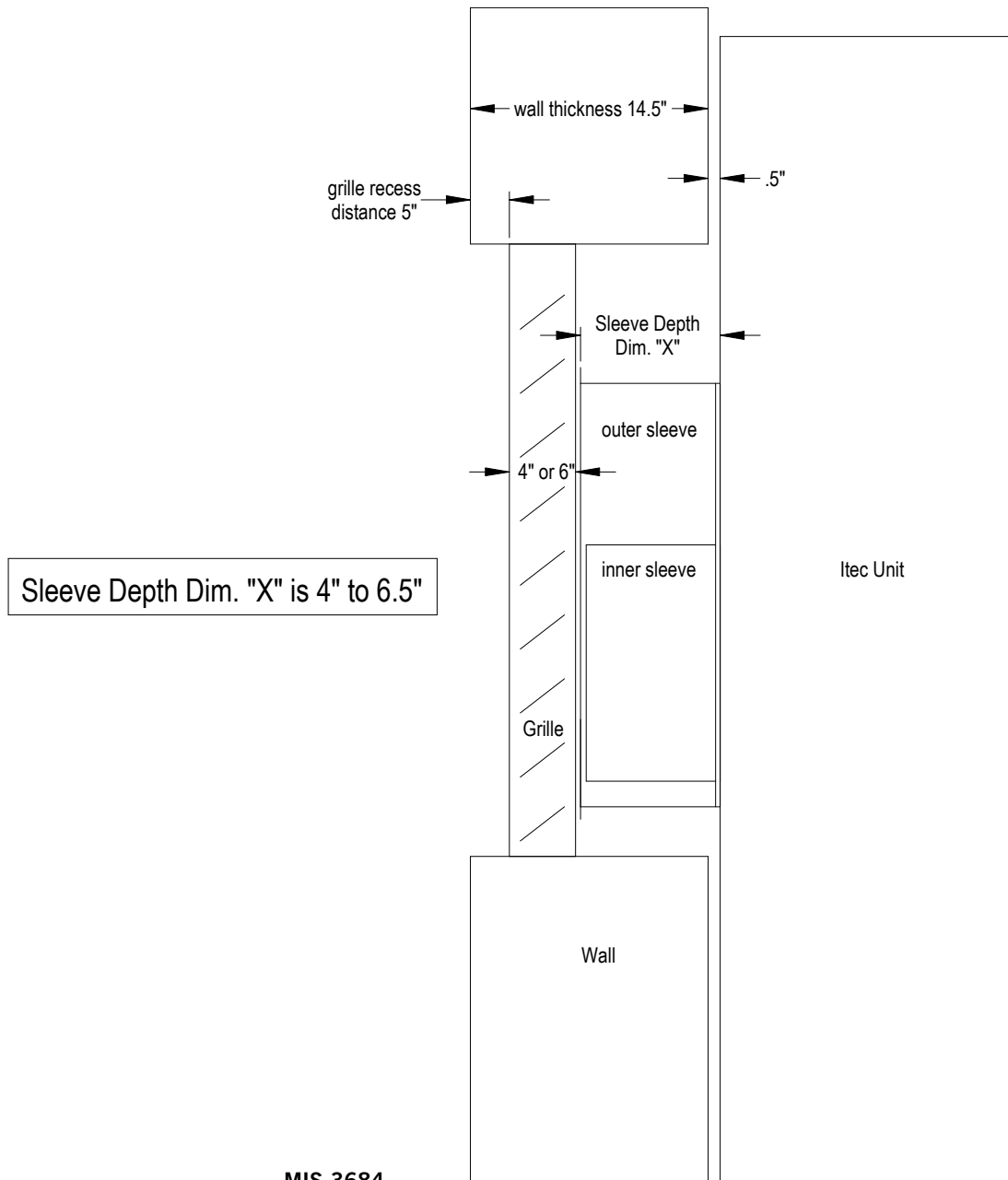
Outer Telescoping Intake Sleeve Assembly and Installation

The outer telescoping intake sleeve is used to bring intake outdoor air into the unit (see Figure 5). Start assembly by setting sleeve parts on a flat surface. Extend assembly until outer finish size is the depth distance measured between the louver block-off plate and the inner wall surface plus 1/2". Make sure assembly is square before attaching outer sleeve pieces using six (6) self-tapping 1/2" screws (supplied). Using the provided caulk, seal all four (4) seams between the

inner and outer parts of the assembly (see Figure 6 on page 8).

Next, measure distance from the bottom of the louver block-off plate opening to the floor. This is the distance needed from the inner bottom surface of the outer sleeve to floor level (see Figure 5). The distance needed to ensure proper sleeve location on the unit is 31" to 34". Using this dimension and centering the sleeve side-to-side on the unit, attach the sleeve to the I-TEC unit using twelve (12) supplied self-tapping 3/4" long screws (see Figure 6).

**FIGURE 4
Typical Installation**



MIS-3684

Inner Telescoping Exhaust Sleeve Assembly and Installation

The inner telescoping exhaust sleeve is used to direct condenser fan air out of the unit (see Figure 5). First, attach the inner exhaust sleeve to the I-TEC unit using six (6) 1/2" pointed sheet metal screws. Next, extend the inner frame of the exhaust sleeve until the outer surface is flush with the outer surface of the intake sleeve. Attach the inner frame of the exhaust sleeve to the outer portion using four (4) 1/2" pointed sheet metal screws (see Figure 6).

Sleeve and Louver Connection

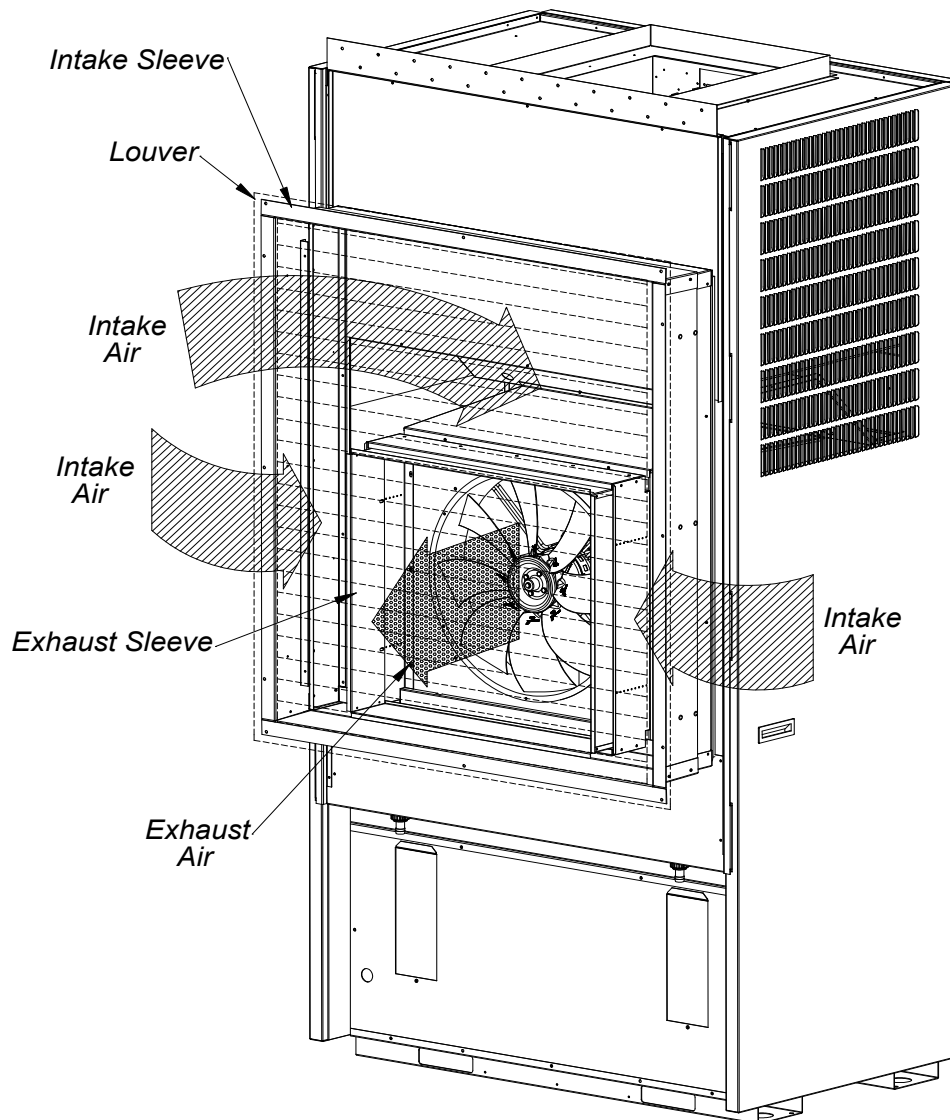
Slide I-TEC unit and sleeve assembly into place until outer sleeve surface touches the block-off plate of the

louver (see Figures 4 and 6). This connection should compress the foam gasket attached to the outer sleeve surface. Using field-supplied fasteners, attach the louver to the sleeve assembly.

Final Inspection

After installation is complete, inspect all elements of the sleeve and louver assembly. Caulk may be needed to ensure air and water does not infiltrate room. Extra insulation maybe be required per installation variations to prevent sweating caused from surfaces being exposed to outdoor air. As a final step, verify that water entering the sleeve area can drain out of the sleeve and exit the louver. Weep holes may need to be provided in louver to ensure proper rain water drainage.

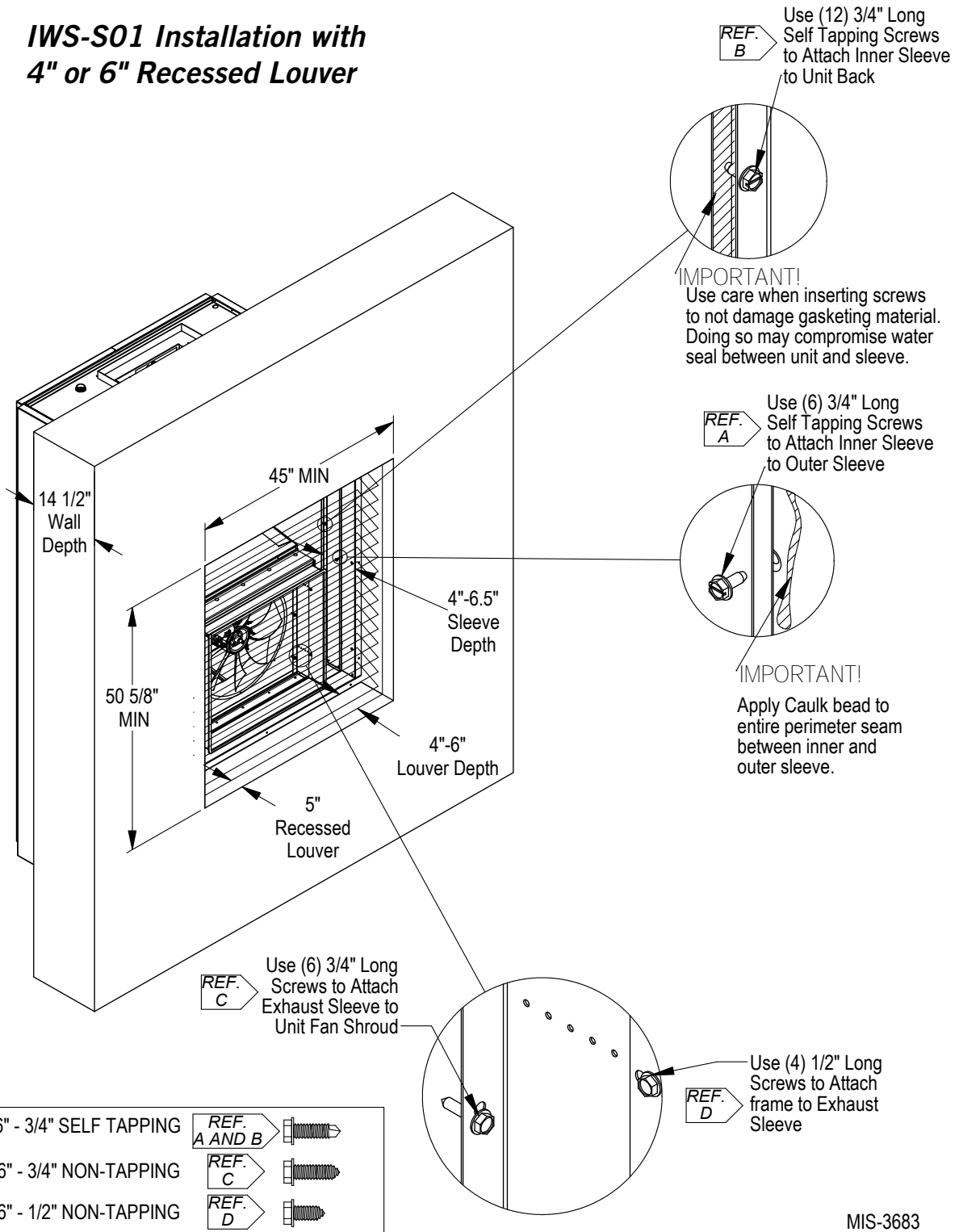
FIGURE 5
I-TEC and Wall Sleeve



MIS-3034A

FIGURE 6
Attachment of Wall Sleeve (Overview)

***IWS-S01 Installation with
4" or 6" Recessed Louver***



MIS-3683