

SERIES S1R & S2R ACCESS COVERS

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Storage, Handling, Installation & Maintenance Instructions

Limited Warranty

VENDOR DATA

HALLIDAY PRODUCTS, INC.

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MATERIAL DATA SHEET

Access Frames and Covers

Door leaf shall be ¼-in. thick 5086-H34* mill finish aluminum diamond pattern plate, reinforced with a ¼-in. aluminum flat bar to attain a 300 lb/ft² (1462 kg/m²) live load.

1. Frame members shall be ¼-in. thick 6005-T5 mill finish aluminum extrusion.
2. The following items shall be Type 316 Stainless Steel: hinges, hold-open arm and all attaching hardware.
3. Units shall carry a Lifetime Guarantee against defects in material and/or workmanship.

*5086-H34 has excellent resistance to corrosion--especially in a marine environment, good workability, weld ability, good finishing characteristics, and higher strength than 3003 or 5052.

Series S1R and S2R Access Covers

STANDARD FEATURES:

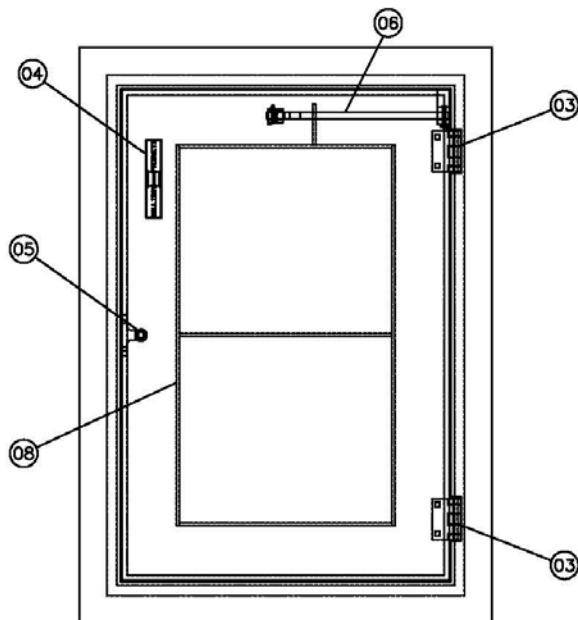
Auto-Lock T-316 stainless steel hold-open arms with release handle
T-316 stainless steel hinges and attaching hardware
Non-corrosive locking bars and handles
Single or double leaf construction
300 lb/ft² (1462 kg/m²) live load.
Lifetime guarantee

SPECIFICATION:

The S1R (single leaf) and S2R (double leaf) series access frames and covers as manufactured by Halliday Products, Inc. of Orlando, Florida shall have a ¼-in. thick one-piece, mill finish, extruded aluminum frame, incorporating a continuous concrete anchor. Door panel shall be ¼-in. aluminum diamond plate, reinforced to withstand a 300 lb/ft² (1462 kg/m²) live load. Door shall open to 90 degrees and automatically lock with a T-316 stainless steel hold-open arm with an aluminum release handle. Door shall close flush with the frame. Hinges and all fastening hardware shall be T316 stainless steel. Unit shall lock with a non-corrosive locking bar and have a non-corrosive handle. Unit shall carry a Lifetime guarantee against defects in material and/or workmanship.

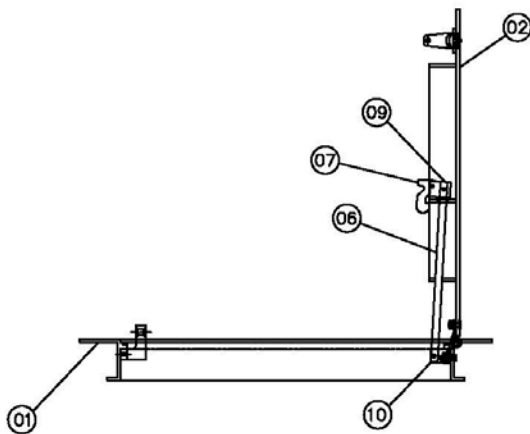


SERIES S1R ACCESS COVER

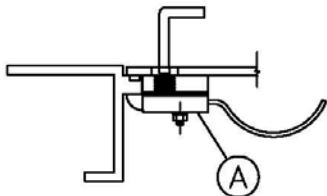
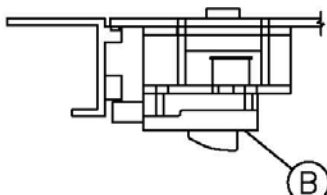
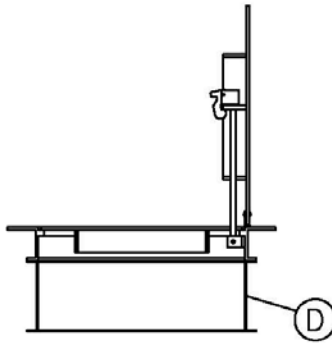
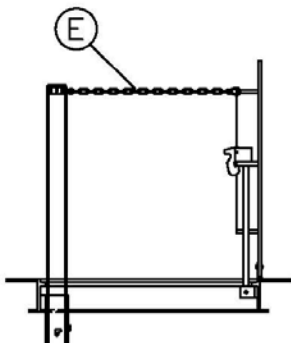
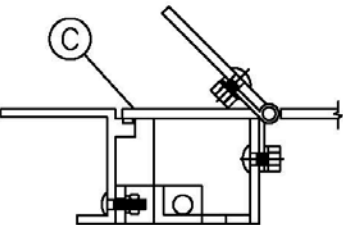
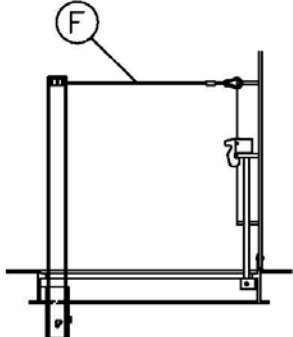
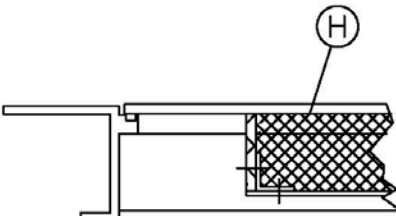
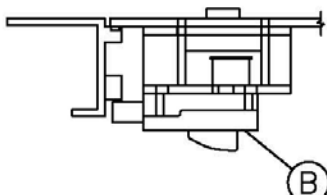
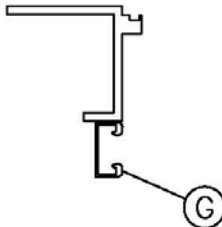
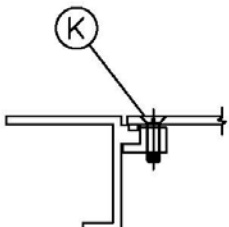
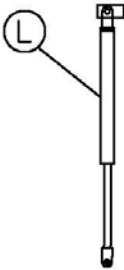
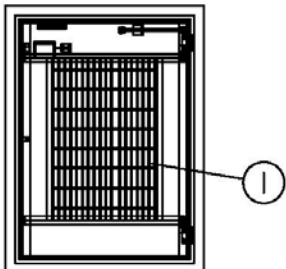
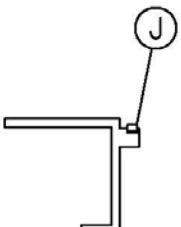
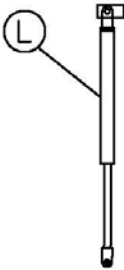


STANDARD COMPONENT PARTS

- ① FRAME EXTRUSION
- ② DIAMOND PLATE COVER
- ③ HINGES W/ HARDWARE
- ④ LIFTING HANDLE
- ⑤ PADLOCK BAR
- ⑥ HOLD-OPEN ARM
- ⑦ POSITIVE LOCKING LATCH
- ⑧ COVER REINFORCEMENT
- ⑨ UPPER CLEVIS ASSEMBLY
- ⑩ LOWER CLEVIS ASSEMBLY



S1R PARTS LIST - R0

	 SERIES S1R - OPTIONS <table><tr><td>(A) SLAM LOCK</td><td>(G) NUT RAIL</td></tr><tr><td>(B) KEYED CYLINDER LOCK</td><td>(H) INSULATION W/ CAPTIVE PAN</td></tr><tr><td>(C) RECESSED LOCK BOX</td><td>(I) PROTECTIVE GRATING</td></tr><tr><td>(D) SLAB SKIRTING</td><td>(J) GASKET</td></tr><tr><td>(E) SAFETY POST & CHAIN</td><td>(K) BOLT DOWN</td></tr><tr><td>(F) SAFETY POST & CABLE</td><td>(L) SPRING ASSIST</td></tr></table>			(A) SLAM LOCK	(G) NUT RAIL	(B) KEYED CYLINDER LOCK	(H) INSULATION W/ CAPTIVE PAN	(C) RECESSED LOCK BOX	(I) PROTECTIVE GRATING	(D) SLAB SKIRTING	(J) GASKET	(E) SAFETY POST & CHAIN	(K) BOLT DOWN	(F) SAFETY POST & CABLE	(L) SPRING ASSIST
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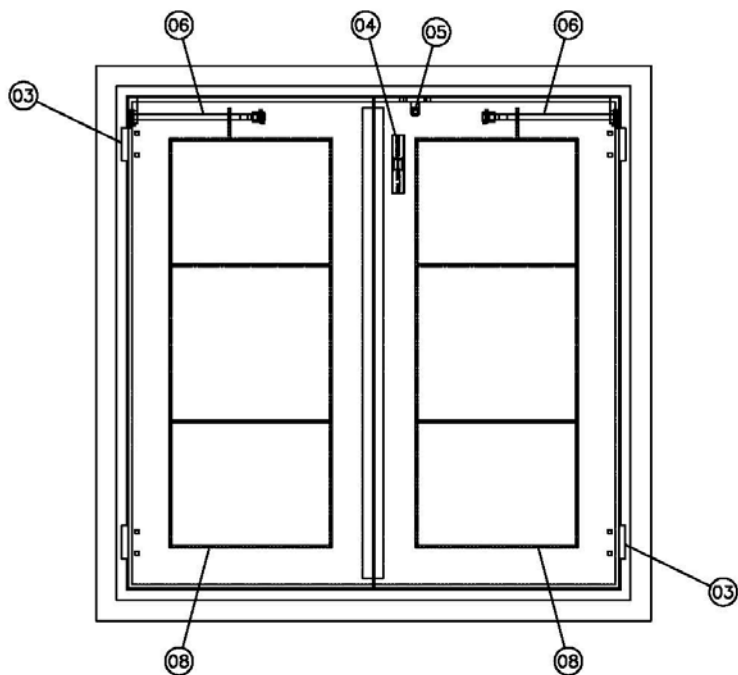
S1R OPTIONS LIST - R

S1R OPTIONS LIST - R0

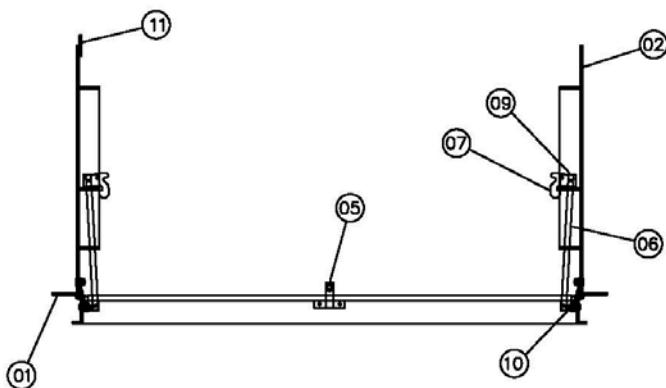


SERIES S2R ACCESS COVER

STANDARD COMPONENT PARTS



- ① FRAME EXTRUSION
- ② DIAMOND PLATE COVER
- ③ HINGES W/ HARDWARE
- ④ LIFTING HANDLE
- ⑤ PADLOCK BAR
- ⑥ HOLD-OPEN ARM
- ⑦ POSITIVE LOCKING LATCH
- ⑧ COVER REINFORCEMENT
- ⑨ UPPER CLEVIS ASSEMBLY
- ⑩ LOWER CLEVIS ASSEMBLY
- ⑪ ASTRAGAL



S2R PARTS LIST - R0

SERIES S2R - OPTIONS

(A) SLAM LOCK	(G) NUT RAIL
(B) KEYED CYLINDER LOCK	(H) INSULATION W/ CAPTIVE PAN
(C) RECESSED LOCK BOX	(I) PROTECTIVE GRATING
(D) SLAB SKIRTING	(J) GASKET
(E) SAFETY CHAIN	(K) BOLT DOWN
(F) SAFETY CABLE	(L) SPRING ASSIST

S2R OPTIONS LIST - R0

STORAGE, HANDLING, INSTALLATION and MAINTENANCE

STORAGE:

Prior to installation access covers should be stored in a dry area on the original shipping pallets.

HANDLING:

Standard practice precautions should be taken whenever handling or moving palletized access covers by forklift.

INSTALLATION:

For proper installation, Halliday Products, Inc. recommends the following:

1. Formwork must be flush to the inside of frame.
2. Secure unit to formwork using standard construction practices.
3. When pouring concrete, cover should be in the closed position.
4. Concrete to finish flush with top of unit framework.
5. Unit shall be left in framework for not less than 24 hours.
6. Clean all excess concrete from frame, over seat.

MAINTENANCE:

Because access covers manufactured by Halliday Products, Inc. are of all aluminum and stainless steel construction, they require minimal maintenance. For optimum product life the manufacturer recommends the following procedures be performed annually:

1. Apply graphite to the interior of all locking devices.
2. Apply a light coating of machine oil to all hinges and hardware.
3. Remove all debris from the cover seat and around hinges.
4. Check and tighten any loose hardware.
5. In the case of a channel frame model, remove loose debris from channel.



LIMITED WARRANTY

Halliday Products, Inc., a Florida Corporation ("Company") warrants to the original customer the aluminum access frame and cover will be free from defective material or faulty workmanship for the life of the unit. In the event of malfunction or other indication of failure attributable directly to defective material or faulty workmanship, Company will, upon receipt of a written notification from customer of such defective material or faulty workmanship, at its option and expense, repair or replace the defective frame and cover, or a component thereof, to whatever extent Company shall deem necessary to restore the frame and cover, or a component thereof, to proper operating condition. Company may replace the defective frame and cover, or a component thereof, with either a new or remanufactured, functionally equivalent frame and cover or component thereof at the Company's option. **THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER OR NOT STATUTORY, OR EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE EXCLUSIVE REMEDY FOR DEFECTIVE FRAME AND COVER SHALL BE ONLY IN CONTRACT, WHETHER OR NOT CAUSED BY A DEFECTIVE FRAME AND COVER, OR NEGLIGENCE. COMPANY'S LIABILITY FOR LOSS OR DAMAGES SHALL NOT EXCEED THE PRICE PAID BY CUSTOMER FOR THE FRAME AND COVER, REGARDLESS OF THE FORM OF ANY CLAIM. IN NO EVENT SHALL COMPANY BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, CONSEQUENTIAL, OR PUNITIVE DAMAGES WHATSOEVER RESULTING FROM ANY DEFECTIVE FRAME AND COVER OR COMPONENT THEREOF. IF MODIFICATION OR ALTERATION IS MADE TO THE FRAME AND COVER OR COMPONENT THEREOF BY OTHER THAN COMPANY AUTHORIZED PERSONS, OR IF IT IS INSTALLED IMPROPERLY, OR MISUSED, ABUSED AND/OR NEGLECTED, THIS LIMITED WARRANTY IS NULL AND VOID AND OF NO EFFECT. THIS LIMITED WARRANTY DOES NOT APPLY AND THE COMPANY WILL HAVE NO RESPONSIBILITY HEREUNDER FOR NORMAL WEAR AND TEAR.**

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