

April, 2020

PERFORMANCE LEVELS:

- BLAST 6.16 PSI CATEGORY I/HURRICANE 150 PSF AND 50 FPS
- BLAST 9.74 PSI CATEGORY II/HURRICANE 150 PSF AND 50 FPS
- OPTIONAL UL FIRE RATING UP TO 3 HOURS

DOOR: MIN. 2'8" X 6'8", MAX. 4'0" X 8'0" LEAF SIZE, 14 OR 12 GAUGE A60 GALVANNEALED FACE SHEETS, WITH STEEL STIFFENED AND FIBERGLASS CORE. 14 GAUGE TOP AND BOTTOM CHANNELS, WELDED TOP CAP.

SUGGESTED USE FOR COMBINATION HURRICANE AND BLAST PRODUCTS:

CRITICAL INFRASTRUCTURE, GOVERNMENT/MILITARY, PETRO CHEMICAL PLANTS, MUSEUMS, HURRICANE ENVIRONMENTS.

OPTIONAL FIRE RATING: UP TO AND INCLUDING 3 HRS. IN ACCORDANCE WITH UL 10B, UL 10C, AND NFPA 252.

LOCK: CORBIN RUSSWIN BL6600 SERIES OR SARGENT BL7300 SERIES

HINGES: SEE PAGE 174

CLOSERS: SEE PAGE 174

OPTIONAL HARDWARE & ACCESSORIES NOT PROVIDED BY CURRIES:

SEE PAGE 175

NOTES:

- 3/8" DOOR UNDERCUT
- 3/8" MAX. BETWEEN BOTTOM OF DOOR AND TOP OF STRIKE
- BOTTOM STRIKE MUST BE ATTACHED TO CONCRETE OR STRUCTURAL STEEL AND ALLOW BOTTOM BOLT TO PROPERLY ENGAGE STRIKE
- FLOORS MUST BE POURED LEVEL AND FRAMES MUST BE INSTALLED SQUARE AND PLUMB TO ALLOW DOORS TO FUNCTION PROPERLY
- DOORS AND FRAMES MUST BE ORDERED AT THE SAME TIME

SWING: THE COMBINATION OF BLAST AND HURRICANE RATED ASSEMBLIES MUST BE SEATED. SEATED IS DEFINED AS THE BLAST PRESSURE ACTING TO PUSH THE DOORS AGAINST THE STOPS.

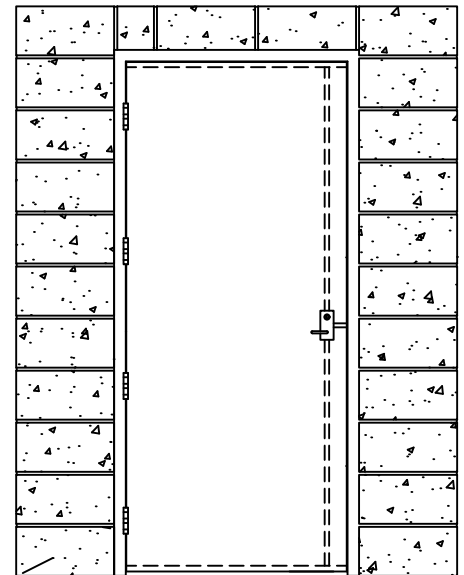
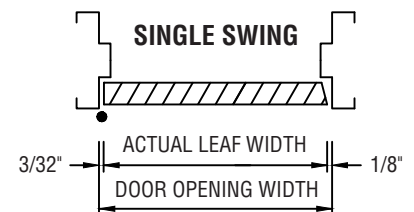
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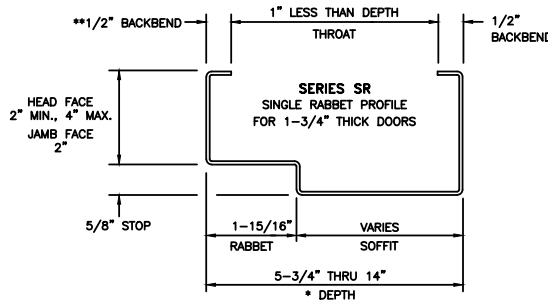
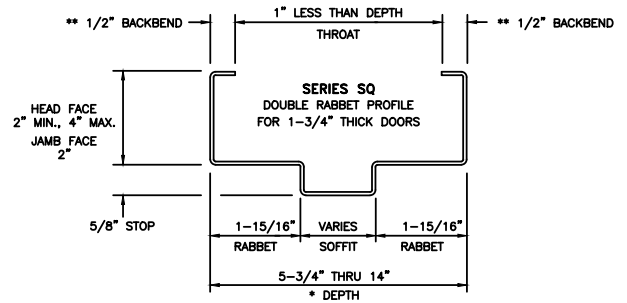
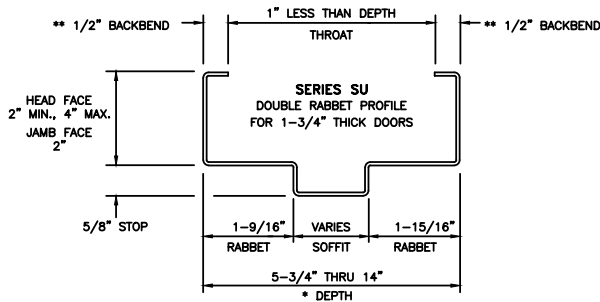
CORBIN RUSSWIN BL6600 & SARGENT BL7300 CONCEALED VERTICAL RODS, TOP & BOTTOM BOLTS, & MORTISE LOCK BODY CASSETTE MUST BE FACTORY INSTALLED IN A CURRIES MULTI-SOLUTION DOOR. ALL OTHER HARDWARE COMPONENTS ARE SHIPPED DIRECTLY FROM SARGENT OR CORBIN RUSSWIN & MUST BE INSTALLED BY A FACTORY TRAINED INSTALLER.

IMPORTANT: DO NOT REMOVE ANY HARDWARE BLOCKING OR FILLER PLATES IN DOOR & THE FRAME UNTIL THE MORTISE LOCK IS READY TO BE INSTALLED.

NOTE:

7'0" HEIGHTS & ABOVE (4) HINGES ARE REQUIRED WHEN USING BUTT HINGES BELOW 7'0" HEIGHTS (3) HINGES ARE REQUIRED WHEN USING BUTT HINGES

**HORIZONTAL SECTION**



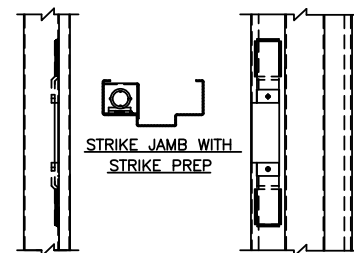
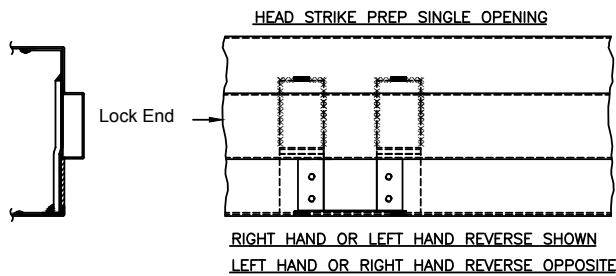
* FRAME DEPTHS AVAILABLE IN 1/8" INCREMENTS

** BACKBENDS FOR 5-3/4" DEPTH MAY BE 7/16", WHICH MEANS THE THROAT WOULD BE 4-7/8"

FRAMES REQUIRE FACTORY WELDED CORNERS

FRAMES ARE CONSTRUCTED OF 14 GAUGE A60 FOR BLAST UP TO 9.74 PSI CATEGORY II.
 FRAMES ARE CONSTRUCTED OF 12 GAUGE A60 FOR BLAST UP TO 6.16 CATEGORY I.

7'0" HEIGHTS AND ABOVE (4) HINGES ARE REQUIRED WHEN USING BUT HINGES.
 BELOW 7'0" HEIGHTS REQUIRE (3) HINGES WHEN USING BUTT HINGES.

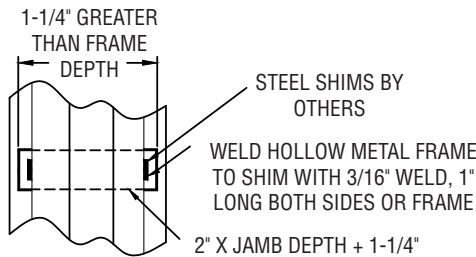
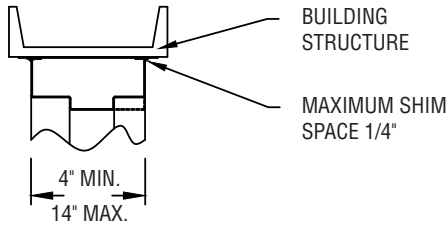


FOR FURTHER INFORMATION CALL: 218-828-6256

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ANCHORING BY WELDING TO BUILDING STRUCTURE

18 GAUGE MIN. - 1/4" MAX. THICK A-36 STEEL SHIMS CENTERED UNDER FRAME. WELD PERIMETER OF 5/8" X 2" X 5/8" ENDS OF SHIMS TO STRUCTURAL BUILDING MEMBER WITH FILLET WELDS SIZED AS FOLLOWS USING E6018 ELECTRODES. FILLET WELD SIZE SAME AS SHIM THICKNESS FOR 0.053" TO 0.125" SHIM THICKNESS. WELD SIZE 1/8" FOR 0.125" TO 1/4" SHIM THICKNESS.



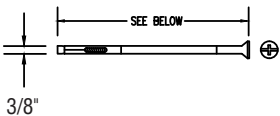
FRAME HEAD ANCHOR LOCATIONS

OPENING SIZE	ANCHOR TYPE	ANCHOR SPACING
SINGLE OPENINGS 2'8" X 6'8" THRU 4'0" X 8'0"	WELDING TO THE BUILDING STRUCTURE	MINIMUM OF 2 WELD LOCATIONS REQUIRED. LOCATIONS ARE 6" FROM EACH DOOR JAMB RABBET. MUST WELD ON BOTH FACES OF THE FRAME HEAD AND SILL AT EACH LOCATION.

JAMB ANCHOR LOCATIONS

OPENING SIZE	ANCHOR TYPE	ANCHOR SPACING
SINGLE OPENINGS 2'8" X 6'8" THRU 4'0" X 8'0"	WELDING TO THE BUILDING STRUCTURE	WELD LOCATIONS, MAXIMUM OF 12" FROM THE SILL, MAX. 10" FROM THE HEAD RABBET AND 24" MAX. ON CENTER. MUST WELD ON BOTH FACES OF THE FRAME AT EACH LOCATION.

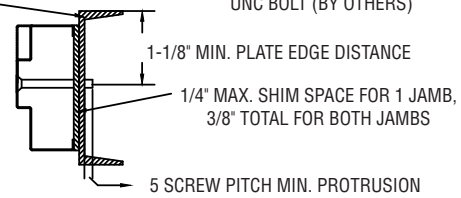
FRAMES ARE NOT REQUIRED TO BE GROUTED WHEN WELDED TO BUILDING STRUCTURE



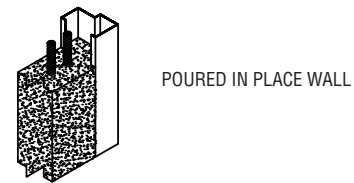
*FASTENERS ARE FLAT HEAD ZINC PLATED CARBON STEEL EXPANSION BOLTS FOR MASONRY FASTENER LENGTH 3/8" X 6" STEEL BOLT

1/4" MIN. STEEL (A36) EMBEDMENT PLATE OR HOST STRUCTURE

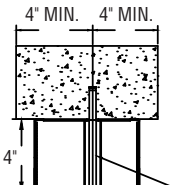
3/8" SMS/SELF DRILLING SCREW/ UNC BOLT (BY OTHERS)



SCREW ATTACHMENT THROUGH EXISTING EMBEDMENT PLATE PROVIDED THAT DRILLING THROUGH PLATE IS PERMISSIBLE AS VERIFIED BY OTHERS.



4" FACE FRAME HEAD ANCHORING

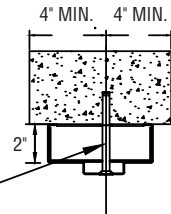


NOTE: MINIMUM PRECAST OR CMU WALL EDGE DISTANCE 4" TO CENTER OF BOT HOLE AT HEAD OR HEAD & JAMBS.

NOTE: 1-1/4" MINIMUM BOLT EMBEDMENT
3/8" EXPANSION BOLT (SHIPS LOOSE FOR FIELD INSTALLATION)

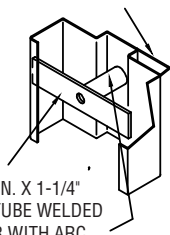
VINYL CAP PLUG
VINYL CAP PLUG (BAG OF 10) PART #6111049
VINYL CAP PLUG (BAG OF 100) PART #6111050 (SHIPS LOOSE FOR FIELD INSTALLATION)

2" FACE FRAME HEAD & JAMB ANCHORING

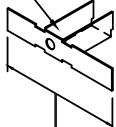


EXISTING OPENING - PIPE & PLATE
FRAME NOT REQUIRED TO BE GROUTED

ALTERNATE PROFILE



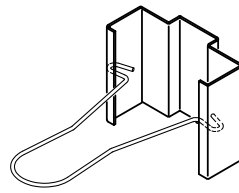
OPTIONAL 16 GA. ONE PEICE



TO SUIT FRAME DEPTH

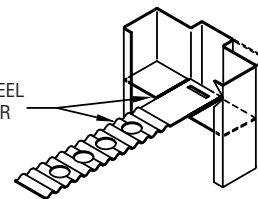
12 GA. MIN. X 1-1/4" PLATE & 1" TUBE WELDED TOGETHER WITH ARC WELDS OR 12 GA. X 1/2" X 1" CHANNEL MAY BE USED IN PLACE OF TUBE.

MASONRY - WIRE ANCHORS
MASONRY T ANCHORS
THE THROAT OF THE FRAME JAMBS MUST BE FULLY GROUTED WITH MIN. 1800 PSI GROUT.



7 GA. GALV. SNAP-IN ANCHOR

12 GA. GALV. STEEL STRAP ANCHOR



HEAD ANCHOR LOCATIONS

	OPENING SIZE	ANCHOR TYPE	ANCHOR SPACING
SINGLE OPENING	2'8" X 6'8" UP TO AND INCLUDING 4'0" X 8'0"	EXISTING WALL ANCHORS POWERS 3/8" LOCK-BOLT AS SLEEVE EXPANSION BOLT OR 3/8" SMS/SELF DRILLING SCREW/UNC BOLT	MINIMUM OF 2 ANCHORS REQUIRED. LCOATIONS ARE 6" FROM EACH DOR JAMB RABBET. WHEN ANCHORS ARE LOCATED IN THE DOOR RABBET, THE ANCHOR AT THE LOCK JAMB SIDE WILL BE LOCATED AT 9"

ANCHORS MAY BE INSTALLED THROUGH EXISTING EMBEDMENT PALTES, PROVIDED THAT DRILLING THROUGH EXISTING EMBEDMENT PLATES IS PERMISSIBLE AS VERIFIED BY OTHERS. ANY EXISTING EMBEDMENT PLATES SHALL BE DESIGNED AND VERIFIED BY OTHERS.

FRAMES ARE NOT REQUIRED TO BE GROUTED WHEN USING EXISTING WALL JAMB ANCHORS.

JAMB ANCHOR LOCATIONS

	OPENING SIZE	ANCHOR TYPE	ANCHOR SPACING
SINGLE OPENING	2'8" X 6'8" UP TO AND INCLUDING 3'0" X 7'0"	EXISTING WALL ANCHORS POWERS 3/8" LOCK-BOLT AS SLEEVE EXPANSION BOLT OR 3/8" SMS/SELF DRILLING SCREW/UNC BOLT	MAXIMUM OF 8" FROM THE SILL, MAXIMUM 4" FROM THE HEAD RABBET, AND 21" MAXIMUM ON CENTER
	GREATER THAN 3'0" X 7'0" AND UP TO AND INCLUDING 4'0" X 8'0"	EXISTING WALL ANCHORS POWERS 3/8" LOCK-BOLT AS SLEEVE EXPANSION BOLT OR 3/8" SMS/SELF DRILLING SCREW/UNC BOLT	MAXIMUM OF 8" FROM THE SILL, MAXIMUM 4" FROM THE HEAD RABBET, AND 18" MAXIMUM ON CENTER

FRAMES ARE REQUIRED TO BE GROUTED WHEN USING MASONRY T OR WIRE MASONRY WALL JAMB ANCHORS.

12 GAUGE MASONRY "T" JAMB ANCHOR LOCATIONS

	OPENING SIZE	ANCHOR TYPE	ANCHOR SPACING
SINGLE OPENING	2'8" X 6'8" UP TO AND INCLUDING 4'0" X 8'0"	12 GA. MASONRY ANCHORS	MAX. OF 8" FROM THE SILL, MAX. 6" FROM THE HEAD RABBET, AND 24" ON CENTER MAX.

WIRE MASONRY JAMB ANCHOR LOCATIONS

	OPENING SIZE	ANCHOR TYPE	ANCHOR SPACING
SINGLE OPENING	2'8" X 6'8" UP TO AND INCLUDING 3'0" X 7'0"	WIRE MASONRY ANCHORS	MAX. OF 12" FROM THE SILL, MAX. 10" FROM THE HEAD RABBET, AND 18" ON CENTER MAX.
	GREATER THAN 3'0" X 7'0" AND UP TO AND INCLUDING 4'0" X 8'0"	WIRE MASONRY ANCHOR	MAX. OF 12" FROM THE SILL, MAX. 10" FROM THE HEAD RABBET, AND 12" ON CENTER MAX.

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CONTINUOUS HINGES

- MARKAR HG305 CONTINUOUS HINGE
- MARKAR CONTINUOUS HINGES WITH OR WITHOUT EL OPTION

NOTE: A CONTINUOUS HINGE REQUIRES A CONTINUOUS HINGE REINFORCEMENT IN DOOR AND FRAME.

WIDE THROW CONTINUOUS HINGES

- MARKAR HG305WT10 WIDE THROW HINGE WITH OR WITHOUT EL OPTION
- MARKAR FM300WT WIDE THROW HINGE (WT10 THRU WT50) OUTSWING ONLY WITH OR WITHOUT EL OPTION

NOTE: A CONTINUOUS HINGE REQUIRES A CONTINUOUS HINGE REINFORCEMENT IN DOOR AND FRAME.

HEAVY WEIGHT STANDARD AND WIDE THROW FULL MORTISE BUTT HINGES

- MCKINNEY SP3786 (4-1/2" X 4-1/2" X .180 OR 5"X4-1/2" X .190)
- MCKINNEY SP3386 (4-1/2" X 4-1/2" X .180 OR 5"X4-1/2" X .190)
- MCKINNEY SP3386 AND SP3786 (4-1/2" X 5", 4-1/2" X 6", 4-1/2" X 7", 4-1/2" X 8", 5" X 4-1/2", 5" X 5", 5" X 6", 5" X 7" AND 5" X 8")
- MCKINNEY SP3386 AND SP3786 WITH OR WITHOUT QC OPTION
- MCKINNEY SP3386 AND SP3786 WITH OR WITHOUT NRP

DOOR CLOSERS

- CORBIN RUSSWIN DC8000 SERIES DOOR CLOSER (THRU-BOLT MOUNTING OF BODY TO DOOR ONLY)
- NORTON 7500 SERIES DOOR CLOSER (THRU-BOLT MOUNTING OF BODY TO DOOR ONLY)
- SARGENT 281 SERIES DOOR CLOSER (THRU-BOLT MOUNTING OF BODY TO DOOR ONLY)
- YALE 4400 SERIES DOOR CLOSER (THRU-BOLT MOUNTING OF BODY TO DOOR ONLY)

DOOR CLOSER/HOLDERS

- SARGENT 2409 CLOSER/HOLDER (THRU-BOLT MOUNTING OF BODY TO DOOR ONLY)
- SARGENT 351 EHT CLOSER/HOLDER (THRU-BOLT MOUNTING OF BODY TO DOOR ONLY)
- NORTON 7700PT ELECTRIC DOOR CLOSER (THRU-BOLT MOUNTING OF BODY TO DOOR ONLY)

OVERHEAD STOP/HOLDERS

- RIXSON 9 SERIES OVERHEAD STOP/HOLDER (THRU-BOLT MOUNTING OF BODY TO DOOR ONLY)

MECHANICAL HOLDERS

- ROCKWOOD 491S OR 494S MECHANICAL HOLDERS (THRU-BOLT MOUNTING OF BODY TO DOOR ONLY)

ELECTROMECHANICAL HOLDERS

- RIXSON 998/998M, 999M, 980M, 990M, 991M, 996M OR 997M ELECTROMECHANICAL HOLDERS (THRU-BOLT MOUNTING OF DOOR ARMATURE TO DOOR ONLY)
- SARGENT 1560, 1561 OR 1562 ELECTROMECHANICAL HOLDERS (THRU-BOLT MOUNTING OF CONTACT PLATE TO DOOR ONLY)

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PEMCO PERIMETER SEALS:

S773, 305 PERIMETER SEAL
 346 RAIN DRIP (THREAT SIDE MOUNTING ONLY)
 345 DOOR BOTTOM (THREAT SIDE MOUNTING ONLY)
 S771 ASTRAGAL OR S772 ASTRAGALS
 2715 THRESHOLD

ELECTRONIC POWER TRANSFER:

CEPT, HANCHETT ENTRY SYSTEMS, DBA SECURITRON MAGNALOCK CORP.

DOOR POSITION SWITCH:

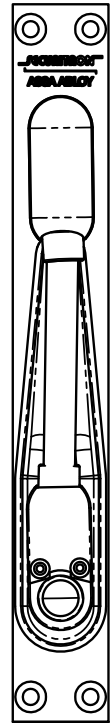
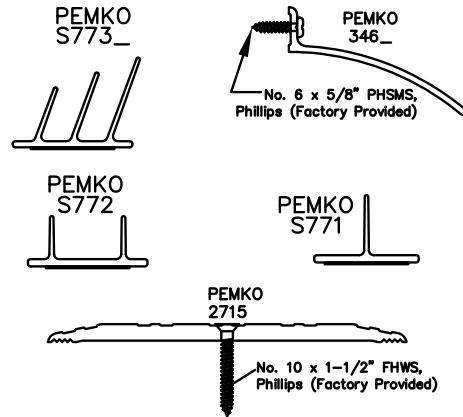
DPS-M, SECURITRON MAGNALOCK CORP.

KICK PLATE:

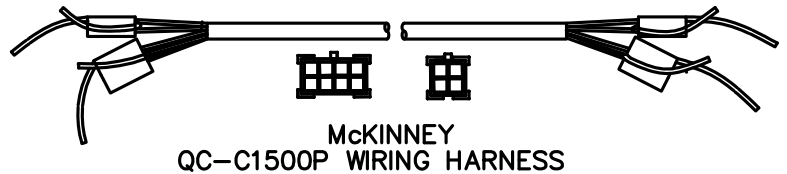
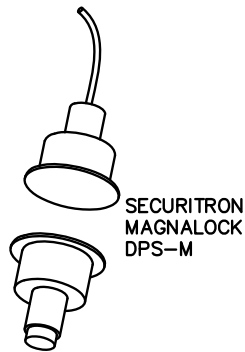
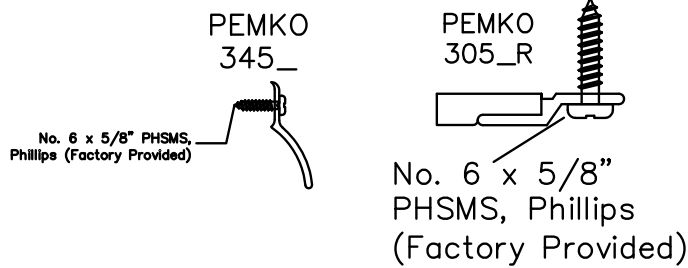
ROCKWOOD K1050 (MUST BE SCREW APPLIED FOR FIRE RATED ASSEMBLIES ON BLAST OR UNPROTECTED SIDE OF THE DOOR)

WIRE HARNESS:

QC-C1500P ELECTROLYNX WIRE HARNESS



H.E.S.
CEPT
FACE OF ONE SIDE



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