CENTER OF HOLE FOR 1/2" DIA. BOLT

1/2" DIA. x 1 1/2" LONG
HEAVY HEX BOLT, HEX NUT AND LOCKWASHER

SHIM WITH 1/8" THICK WASHER, TACK WELD TO FRAME

1/2" DIA. x 3" x 4" SLOTTED TAB

DOOR, 3/8" STEEL PLATE

1/4" STEEL PLATE
SEE HINGE PLATE DETAIL

HOLE FOR 1/2" DIA. BOLT

1/4" BEVEL ON CORNERS

SECTION B-B DOOR LATCH DETAIL

STUD - 3/8" x 4" LONG, WELD TO FRAME
FRAME - L 4 x 4 x 1/6

DOOR BRACE L 1/2 x 1/2 x 1/4

DOOR, 3/8" STEEL PLATE
1/4" STEEL PLATE
SEE HINGE PLATE DETAIL

HOLE FOR 1/2" DIA. BOLT

1/4" BEVEL ON CORNERS

SECTION A-A

HOLE AS SHOWN

UPSET THREADS AFTER HINGE ASSEMBLY

L 2 x 2 x 1/4 x 2" LONG.

DOOR FRAME

HINGE DETAILS

SIDE VIEW

FRONT VIEW

HINGE DETAIL

1" 11/2" 2" 4" 6" 8" DOOR FRAME

2"-6" DOOR
3"-2" DOOR FRAME

1"-6" DOOR

2'-8" DOOR FRAME

3'-2" DOOR FRAME

3'-2" OPENING

2'-0" OPENING

1'-4"

HINGE LOCATION

BARREL BOLT LOCATION

PADLOCK AS REQ'D

SEE DOOR LATCH DETAIL

SEE HINGE DETAILS

FRONT ELEVATION

APPROX. WEIGHT: 90 LBS.

BOLT CASE

3-SIDED

3-SIDED

3-SIDED SHIM

3/8" DOOR

DOOR FRAME

NOTES:

WELD PER SPEC. 2471.

DOOR AND FRAME TO BE FLAT AFTER FABRICATION.

GALVANIZE STRUCTURAL SHAPES AFTER FABRICATION PER SPEC. 3394.

GALVANIZE HARDWARE PER SPEC. 3392.

ALL MATERIAL ON THIS DETAIL TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS.

ALL STEEL TO BE 3306, UNLESS OTHERWISE NOTED.

DOOR TO BE LOCATED AWAY FROM TRAFFIC LANES.

1 DIMENSION TRANSVERSE TO G BRIDGE WHEN IN HORIZONTAL POSITION TO MINIMIZE EFFECT ON THE BOTTOM SLAB REINFORCEMENT.

2 4" BARREL BOLT (STANLEY NO. 1084 OR EQUAL)

3 HORIZONTAL POSITION ONLY

4 VERTICAL POSITION ONLY

5 BARREL BOLT - HORIZONTAL POSITION
LATCH PLATE & ANGLE - VERTICAL POSITION

APPROVED: NOVEMBER 22, 2002

STATE BRIDGE ENGINEER

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

INSPECTION DOOR
(IN VERTICAL OR HORIZONTAL POSITION)

REVISION
01-05-2017

DETAIL NO.
B942