This assembly is constructed and tested to conform with IJWA (USDOT - Federal Highways Administration) for approval as a member in the WSDOT Standard Specifications:
9-23.2.11 Testing Requirements,
9-24.2.3.16 Standard Duty Steves and Vials, and
9-25.2.15B Retract Security Locks for Standard Duty Concrete Association Boxes.

REV DESCRIPTION DATE INITIALS
RELEASE March 27, 2017 RV

A BOLT GUIDE - FLAT PATTERN
4 REQUIRED, 1/4" MILD STEEL

B STAINLESS STEEL (316) TOGGLE
4 REQUIRED, 316 SS

C BOLSTER - PLAN
4 REQUIRED, 1/4" MILD STEEL PLATE

D BOLSTER - ELEVATION
1/4" MILD STEEL BRAKE SHAPE

E TOGGLE/ANGLE PLACEMENT

NOTE: ALL MILD STEEL COMPONENTS PER ASTM A786. ALL STAINLESS STEEL HARDWARE TYPE 302.
ACTUATION BOLT - 3/8 -16 x 3 STAINLESS STEEL FLAT-HEAD SECURITY BOLT. UNIQUE SECURITY PATTERN FOR EACH CUSTOMER.

1/4" FILLET WELD TO UNDERSIDE OF LID PLATE (OUTSIDE AND TIPS ONLY)

INTERNAL NYLON FRICTION DEVICE (INTEGRAL ON BOLT)

BOLSTER/ ROTATION STOP

ACTUATION BOLT GUIDE

3/8 -16 STAINLESS STEEL THREADED LOCK NUT WITH 3/16 x 1/4" STAINLESS SET SCREW

STAINLESS STEEL (316) TOGGLE

1/4" PLUG WELD AT BOLSTER TO BOLT GUIDE, BOTH SIDES

1/4" X 3/4" ID x 3/8" ID COMpressible UREThANE FRICTION AND TENSION MEANS STAINLESS STEEL FLAT WASHER

APPROVED
Washington State Department of Transportation
HQ Traffic Operations Office
NOTE: ALL MILD STEEL COMPONENTS PER ASTM A786. ALL STAINLESS STEEL HARDWARE TYPE 302.

DATE: 3/30/2017

BY: [Signature]
NOTE: DIMENSIONS ARE FOR A TYPICAL PLATE. ALL PLATES ARE TO BE FIELD MEASURED FOR CUSTOM FIT. TYPICAL CLEARANCE 1/16", ALL SIDES.

3/8-16 MILD STEEL NUT WELDED TO UNDERSIDE OF JD FOR FIXED LIFTING DEVICE (3" 3/8-16 STAINLESS STEEL FLAT-HEAD BOLT WITH CUSTOM SECURITY PATTERN TO MATCH LOCKING DEVICES).

1/4-20 GROUND STUD WELDED TO UNDERSIDE OF PLATE

outside and ends of angle only as shown above

NOTE: ALL MILD STEEL COMPONENTS PER ASTM A786. ALL STAINLESS STEEL HARDWARE TYPE 302.

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
HQ TRAFFIC OPERATIONS OFFICE
BY:...
DATE: 3/30/2017

APPROVED
MARK J. SUYKAN
STATE OF WASHINGTON
PROFESSIONAL ENGINEER

CHECK REQUIRED SPECIFICATION
STANDARD
WSDOT/STATE CONTRACT NUMBER
GALVANIZED SLIPNUT
GALVANIZED DIAMOND PLATE
BLACK
STAINLESS SLIPNUT

REV. DESCRIPTION DATE INITIALS
- release March 27, 2017 RV

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This drawing is not to be used to manufacture or produced any components or parts. It is for informational and reference purposes only.

9-25.2(1) Testing Requirements,
9-25.2(3)(A) Standard Duty Boxes and Vaults,