

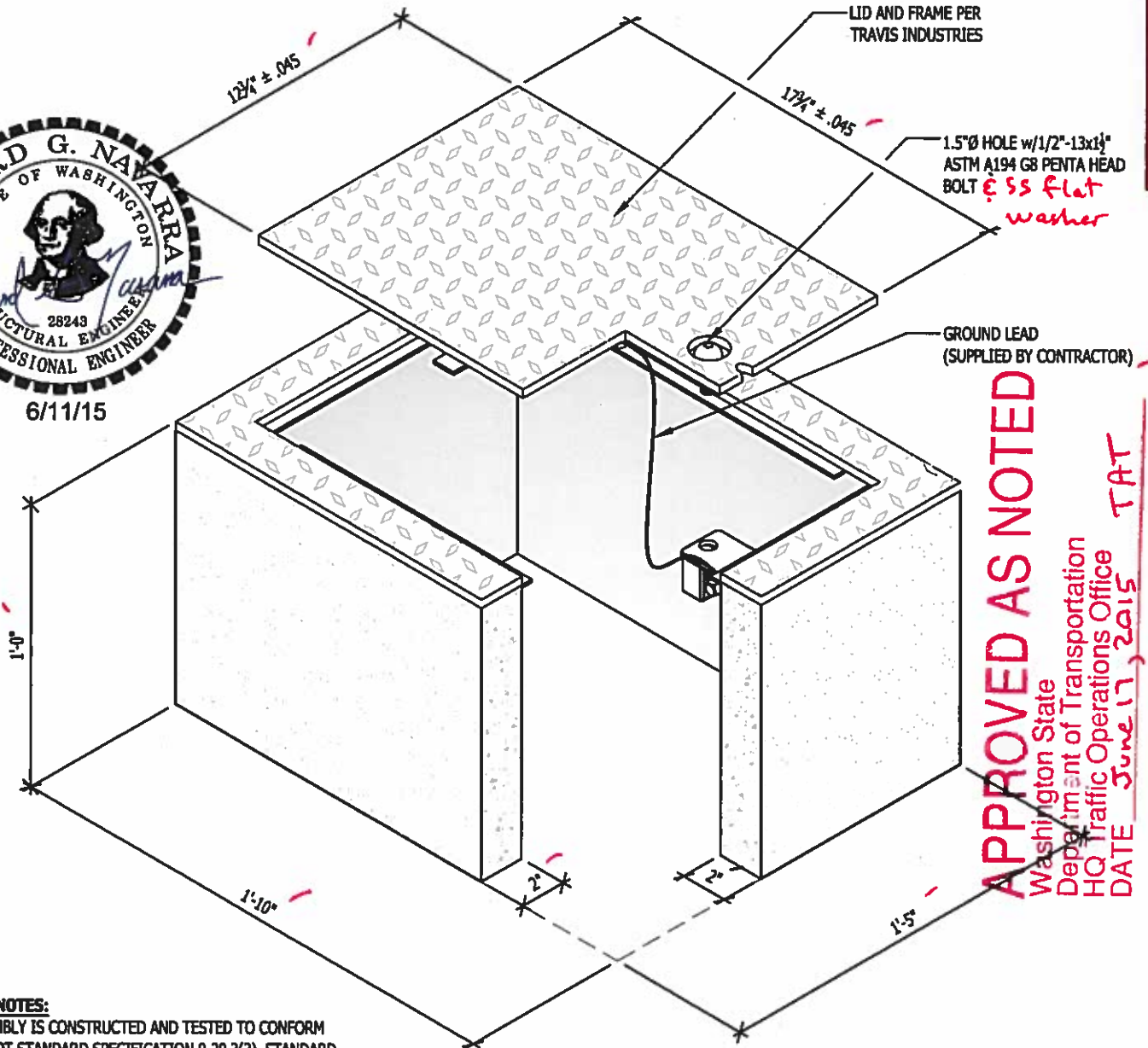
**CHECK REQUIRED SPECIFICATION**

STANDARD
WSDOT / STATE CONTRACT NUMBER _____
SLIPNOT
GALVANIZED DIAMOND PLATE
BLACK

**GENERAL NOTES:**  
 LID TO BE PER TRAVIS INDUSTRIES PRODUCT, PART NUMBERS:  
 700-00001 (DP) - DIAMOND PLATE *lid & frame shall be hot-dip galvanized per 9-29.2(1)A*  
 700-00031 (SN) - SLIPNOT  
 FRAME PART #  
 700-00003 (DP) - DIAMOND PLATE  
 700-00032 (SN) - SLIPNOT  
 CONCRETE w/FIBERMESH REINFORCING  
 f<sub>c</sub>=4000 psi @28 days



6/11/15



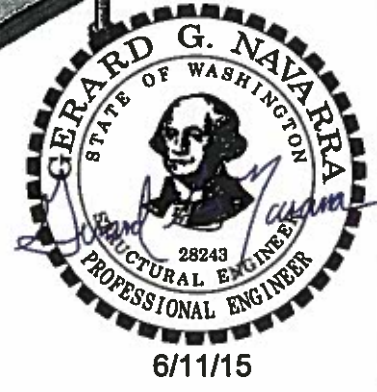
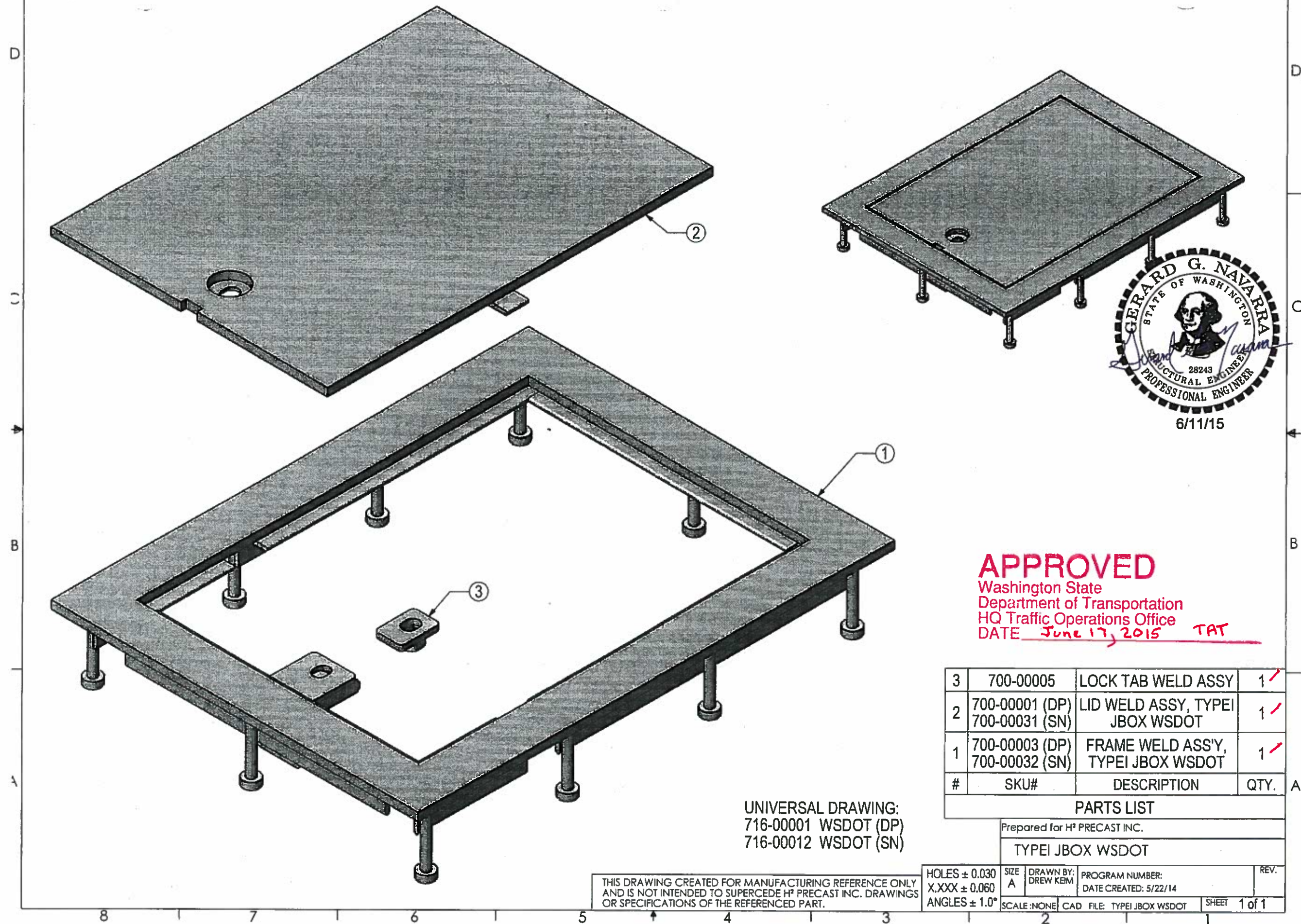
**GENERAL NOTES:**  
 THIS ASSEMBLY IS CONSTRUCTED AND TESTED TO CONFORM WITH WSDOT STANDARD SPECIFICATION 9-29.2(2), STANDARD DUTY JUNCTION BOXES

**APPROVED AS NOTED**  
 Washington State  
 Department of Transportation  
 HQ Traffic Operations Office  
 DATE June 17, 2015 TAT



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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.



**APPROVED**  
 Washington State  
 Department of Transportation  
 HQ Traffic Operations Office  
 DATE June 17, 2015 TAT

#	SKU#	DESCRIPTION	QTY.
3	700-00005	LOCK TAB WELD ASSY	1 ✓
2	700-00001 (DP) 700-00031 (SN)	LID WELD ASSY, TYPE I JBOX WSDOT	1 ✓
1	700-00003 (DP) 700-00032 (SN)	FRAME WELD ASS'Y, TYPE I JBOX WSDOT	1 ✓

**PARTS LIST**

UNIVERSAL DRAWING:  
 716-00001 WSDOT (DP)  
 716-00012 WSDOT (SN)

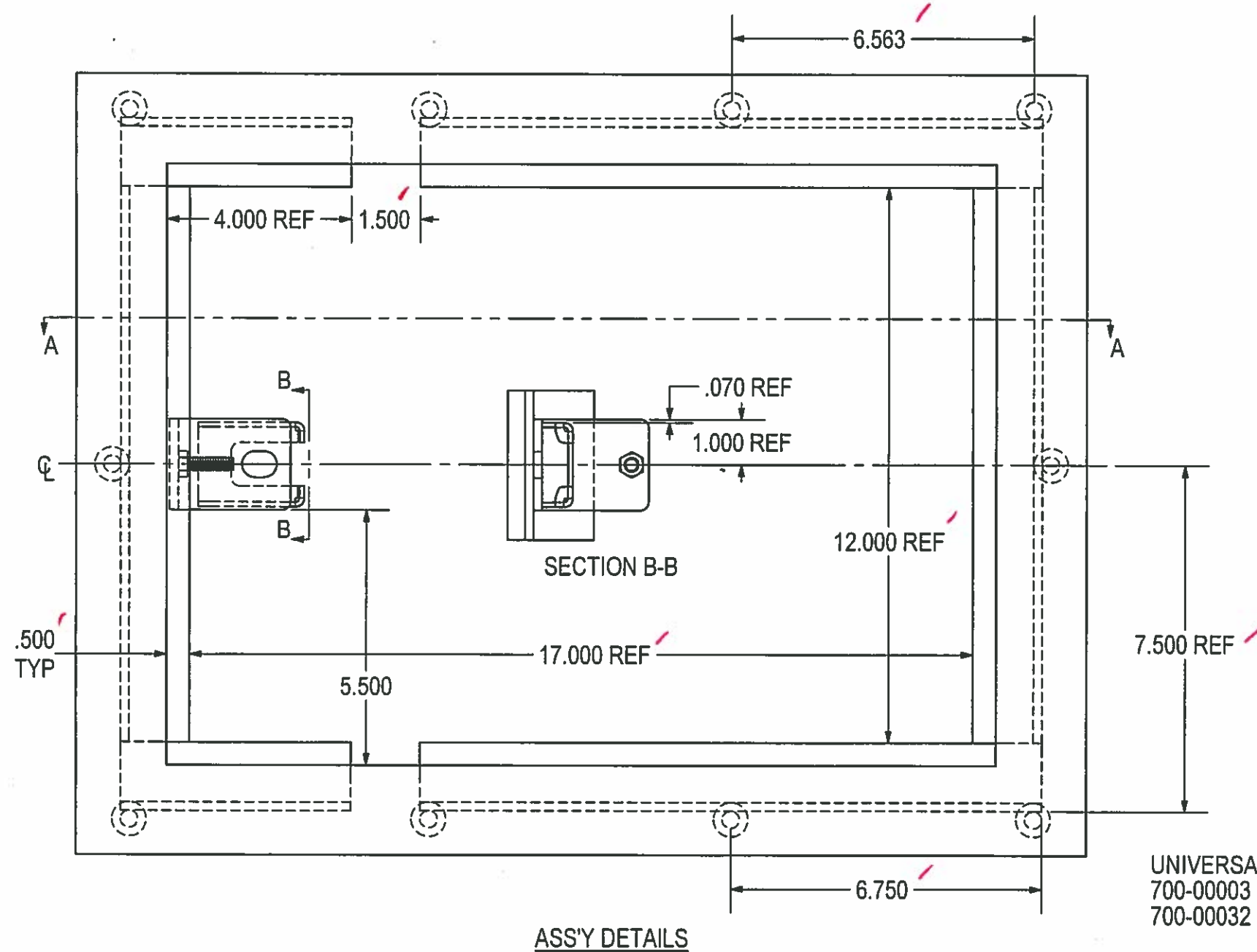
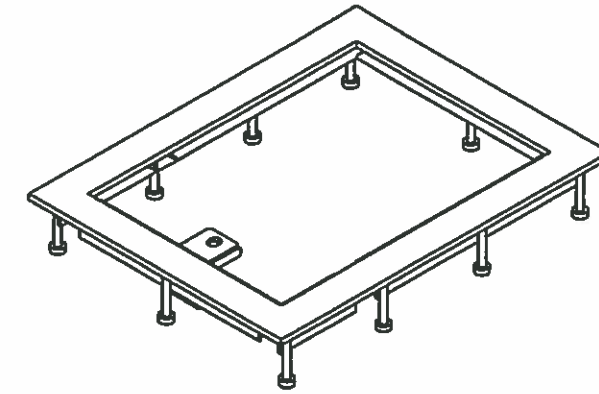
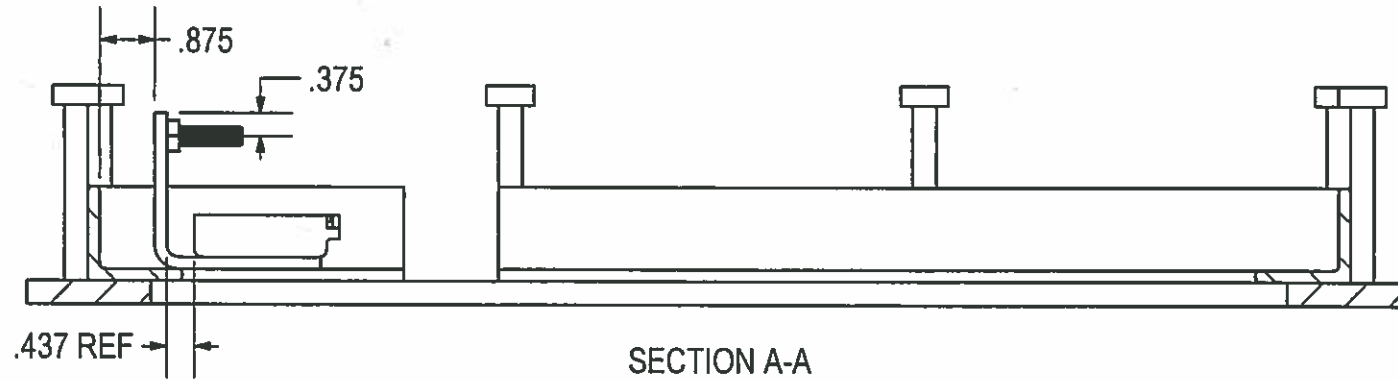
THIS DRAWING CREATED FOR MANUFACTURING REFERENCE ONLY AND IS NOT INTENDED TO SUPERCEDE H<sup>2</sup> PRECAST INC. DRAWINGS OR SPECIFICATIONS OF THE REFERENCED PART.

Prepared for H <sup>2</sup> PRECAST INC.	SIZE A	DRAWN BY: DREW KEM	PROGRAM NUMBER:	REV.
TYPE I JBOX WSDOT		DATE CREATED: 5/22/14		
HOLES ± 0.030	X.XXX ± 0.060	SCALE: NONE	CAD FILE: TYPE I JBOX WSDOT	SHEET 1 of 1
ANGLES ± 1.0°				

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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.

REV	DESCRIPTION	DATE	INITIALS
A	MODIFIED LATCH GUIDE & WELDING.	7/14	DK



**APPROVED**  
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 Department of Transportation  
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 DATE June 17, 2015 TAT

UNIVERSAL DRAWING:  
 700-00003 3/8"DP  
 700-00032 3/8"SN

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HOLES ± 0.030	SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER:	REV. A
X.XXX ± 0.060			DATE CREATED: 4/29/14	
ANGLES ± 1.0°	SCALE: NONE	CAD FILE: FRAME (A). TI JBOX WSDOT	SHEET 1 of 2	

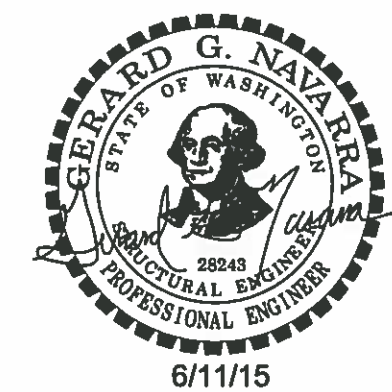
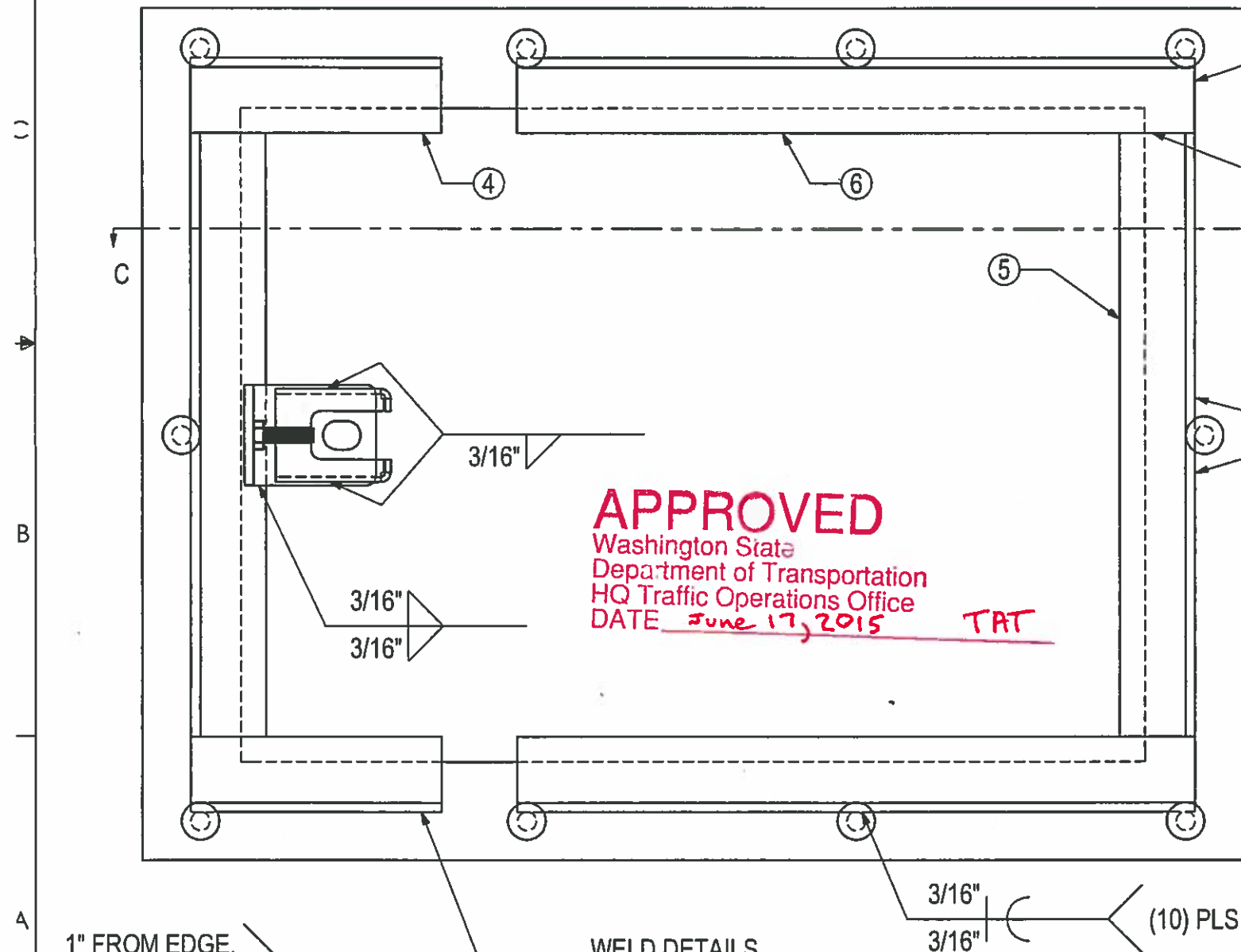
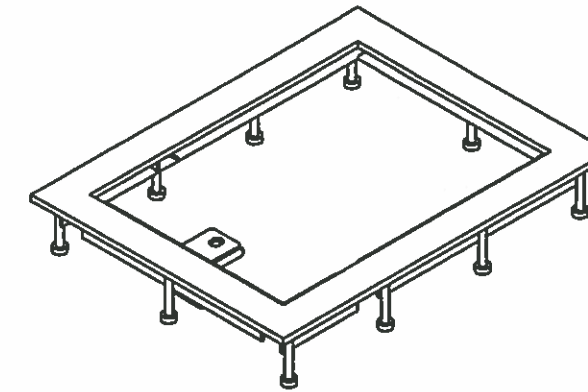
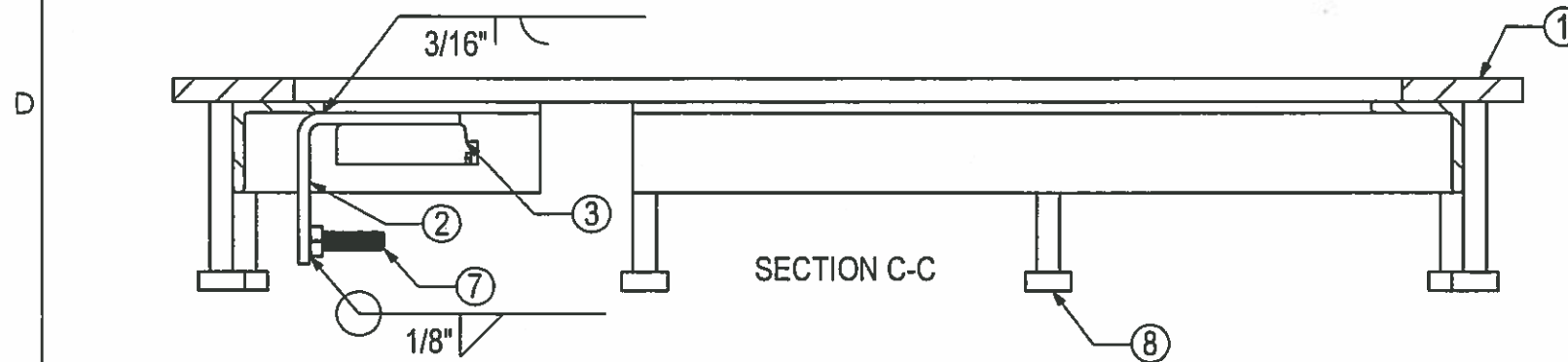
Prepared for H<sup>2</sup> PRECAST INC.  
**FRAME WELD ASS'Y, TYPE I JBOX WSDOT**



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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.

REV	DESCRIPTION	DATE	INITIALS
A	MODIFIED LATCH GUIDE & WELDING.	7/14	DK



**APPROVED**  
 Washington State  
 Department of Transportation  
 HQ Traffic Operations Office  
 DATE June 17, 2015 TAT

#	SKU#	DESCRIPTION	MATERIAL	QTY.
8	101-00575	WELD-STUD, 3/8x3-1/8	C1015	10
7	101-00271	Ø5/16-18X1" HHCS 316SS	316SS	1
6	211-02166	FRAME ANGLE, 1-1/2x1-1/2x3/16 x 13.500 LONG	A36HR	2
5	211-02165	FRAME ANGLE, 1-1/2x1-1/2x3/16 x 12.000 LONG	A36HR	2
4	211-02164	FRAME ANGLE, 1-1/2x1-1/2x3/16 x 5.000 LONG	A36HR	2
3	716-L004	LATCH GUIDE	A36HR	1
2	716-L001	LATCH HOUSING	A36HR	1
1	716-WSDOT101 716-S0028	FRAME, TYPE I J-BOX DP FRAME, TYPE I J-BOX SN	ASTM A786 FP	1

**PARTS LIST**

Prepared for H<sup>2</sup> PRECAST INC.  
**FRAME WELD ASS'Y, TYPE I JBOX WSDOT**

UNIVERSAL DRAWING:  
 700-00003 3/8"DP  
 700-00032 3/8"SN

THIS DRAWING CREATED FOR MANUFACTURING REFERENCE ONLY AND IS NOT INTENDED TO SUPERCEDE H<sup>2</sup> PRECAST INC. DRAWINGS OR SPECIFICATIONS OF THE REFERENCED PART.

Holes ± 0.030 X.XXX ± 0.060 Angles ± 1.0°	SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER: DATE CREATED: 4/29/14	REV. A
CAD FILE: FRAME (A), TI JBOX WSDOT				SHEET 2 of 2

1" FROM EDGE, (2) PLS  
 3/16" 1"

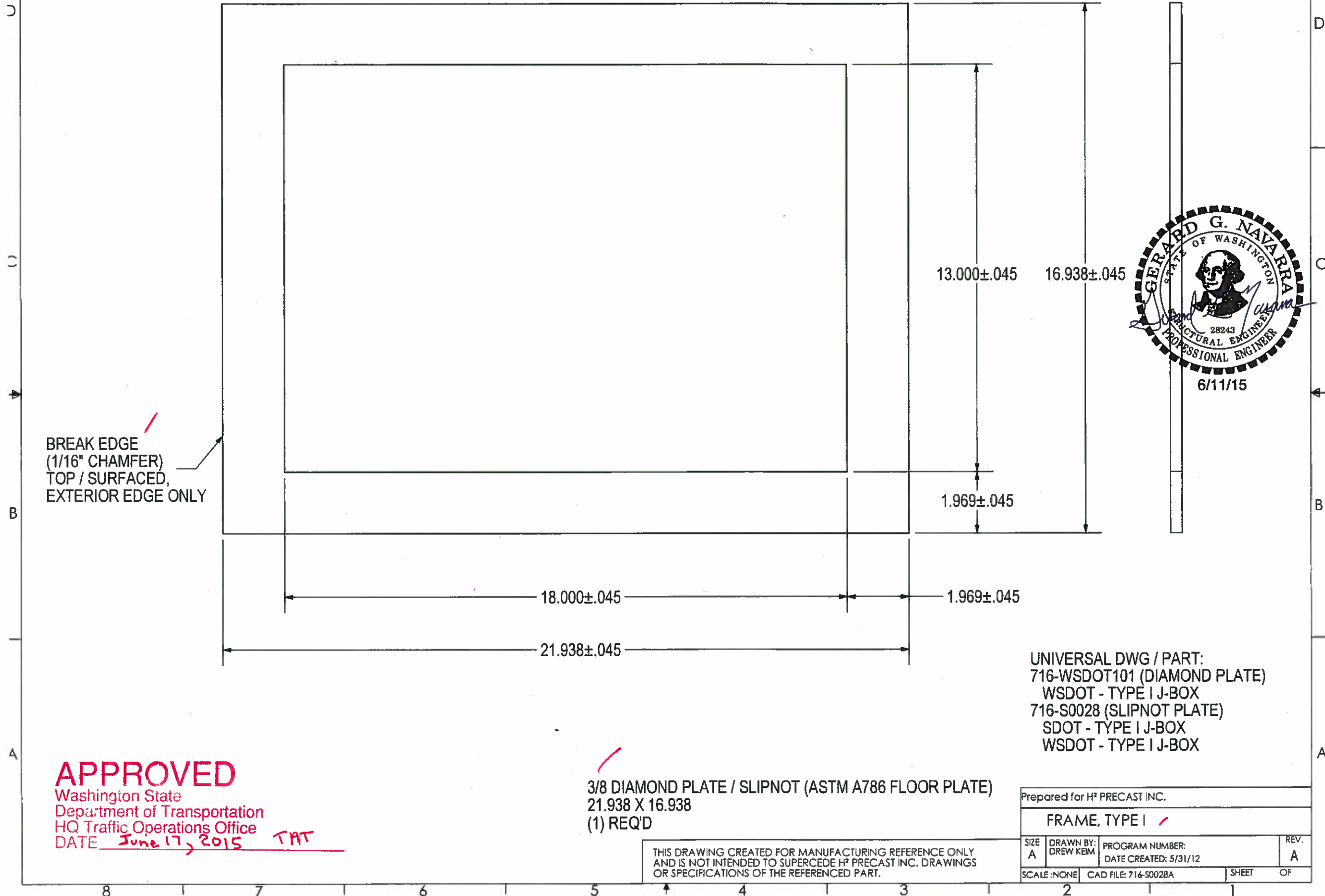
**WELD DETAILS**

3/16" 3/16" (10) PLS

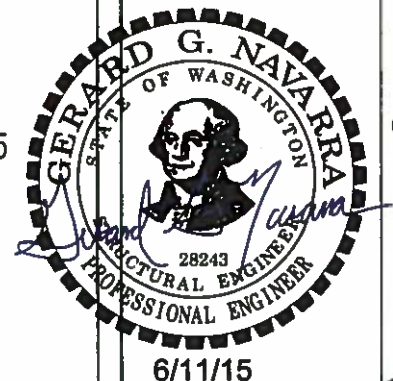
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF H<sup>2</sup> PRECAST INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF FM&M IS PROHIBITED.

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REV	DESCRIPTION	DATE	INITIALS
A	ADDED CHAMFER NOTE	7/14	DK



BREAK EDGE  
(1/16" CHAMFER)  
TOP / SURFACED,  
EXTERIOR EDGE ONLY



UNIVERSAL DWG / PART:  
716-WSDOT101 (DIAMOND PLATE)  
WSDOT - TYPE I J-BOX  
716-S0028 (SLIPNOT PLATE)  
SDOT - TYPE I J-BOX  
WSDOT - TYPE I J-BOX

**APPROVED**  
Washington State  
Department of Transportation  
HQ Traffic Operations Office  
DATE June 17, 2015 TAT

3/8 DIAMOND PLATE / SLIPNOT (ASTM A786 FLOOR PLATE)  
21.938 X 16.938  
(1) REQ'D

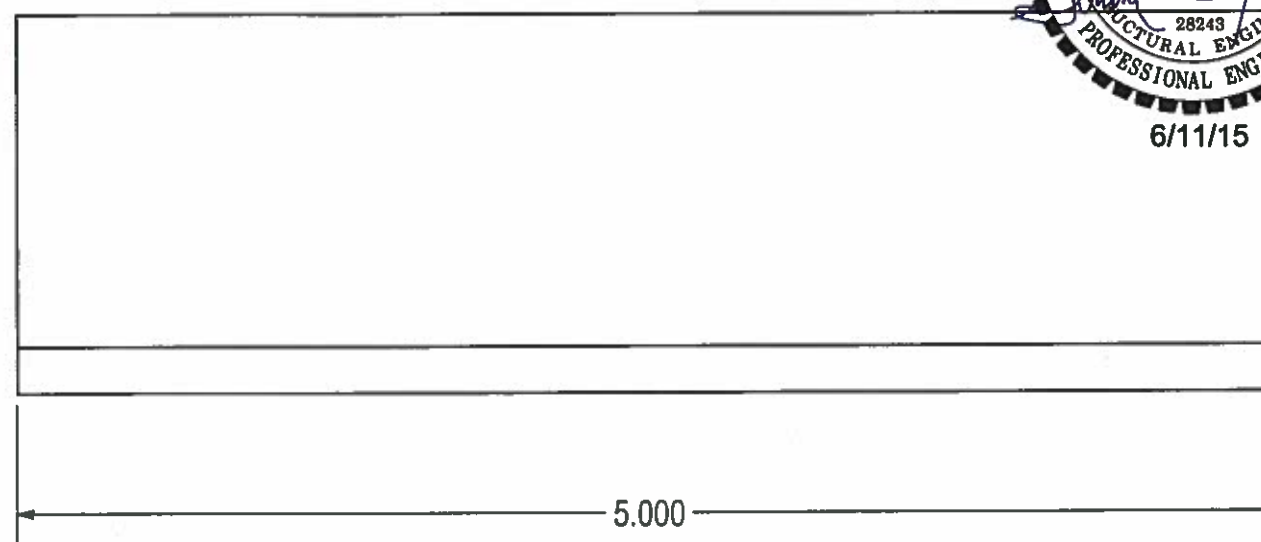
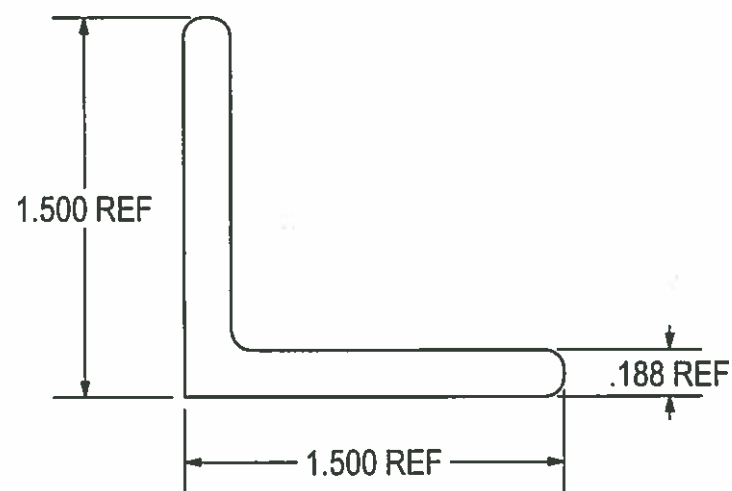
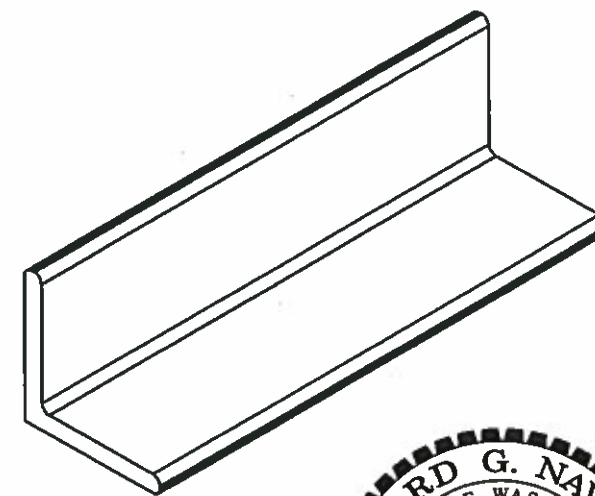
THIS DRAWING CREATED FOR MANUFACTURING REFERENCE ONLY  
AND IS NOT INTENDED TO SUPERCEDE H<sup>2</sup> PRECAST INC. DRAWINGS  
OR SPECIFICATIONS OF THE REFERENCED PART.

Prepared for H <sup>2</sup> PRECAST INC.			
FRAME, TYPE I			
SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER: DATE CREATED: 5/31/12	REV. A
SCALE: NONE	CAD FILE: 716-S0028A	SHEET	OF

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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.

REV	DESCRIPTION	DATE	INITIALS
A	3/16 THICKNESS WAS 1/4. UPDATED DESCRIPTION.	7/14	DK



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 HQ Traffic Operations Office  
 DATE June 17, 2015 TAT

ANGLE, 1-1/2 x 1-1/2 x 3/16 X 5.000 LONG  
 (2) REQ'D

Prepared for H <sup>2</sup> PRECAST INC.			
FRAME ANGLE, 1-1/2x1-1/2x3/16 x 5.000 LONG			
SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER: 211-02164	REV. A
HOLES ± 0.030 X.XXX ± 0.060 ANGLES ± 1.0°		DATE CREATED: 5/7/14	SHEET 1 of 1
SCALE: NONE CAD FILE 716-F0055A			

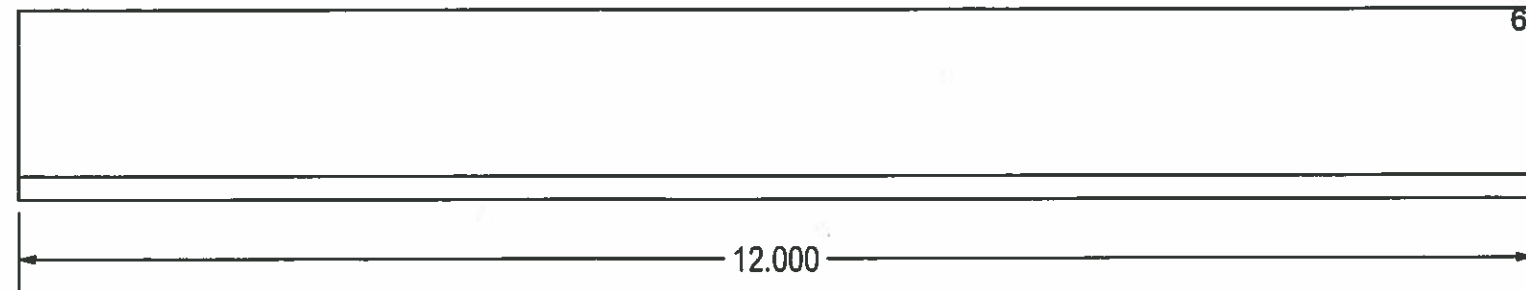
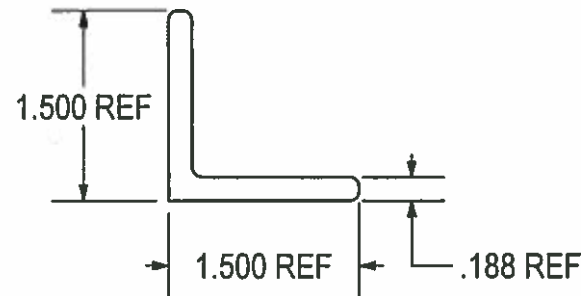
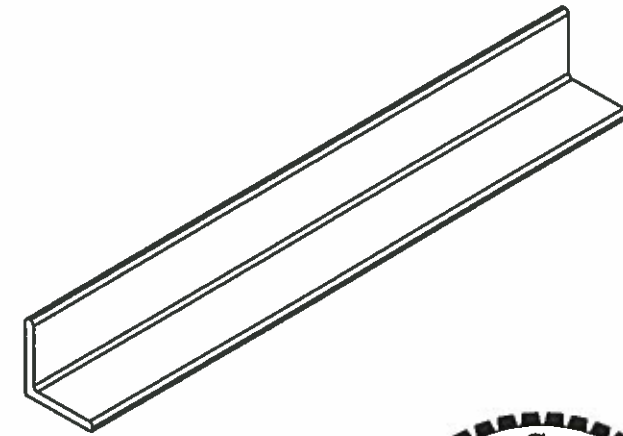
THIS DRAWING CREATED FOR MANUFACTURING REFERENCE ONLY AND IS NOT INTENDED TO SUPERCEDE H<sup>2</sup> PRECAST INC. DRAWINGS OR SPECIFICATIONS OF THE REFERENCED PART.

8 7 6 5 4 3 2 1

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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.

REV	DESCRIPTION	DATE	INITIALS
A	3/16 THICKNESS WAS 1/4. UPDATED DESCRIPTION.	7/14	DK



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 Washington State  
 Department of Transportation  
 HQ Traffic Operations Office  
 DATE June 17, 2015 TAT

ANGLE, 1-1/2 x 1-1/2 x 3/16 X 12.000 LONG  
 (2) REQ'D

Prepared for H<sup>2</sup> PRECAST INC.

FRAME ANGLE,  
 1-1/2x1-1/2x3/16 x 12.000 LONG

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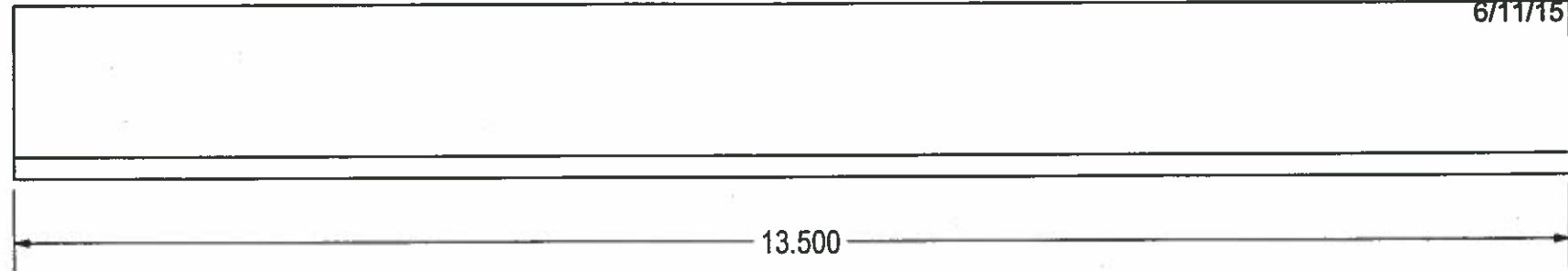
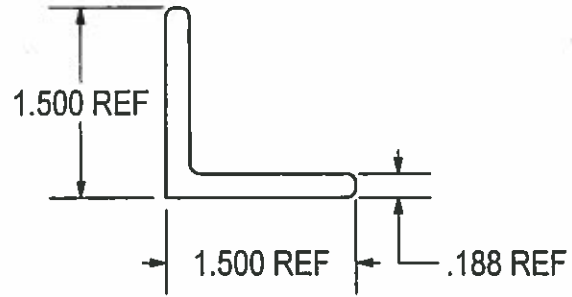
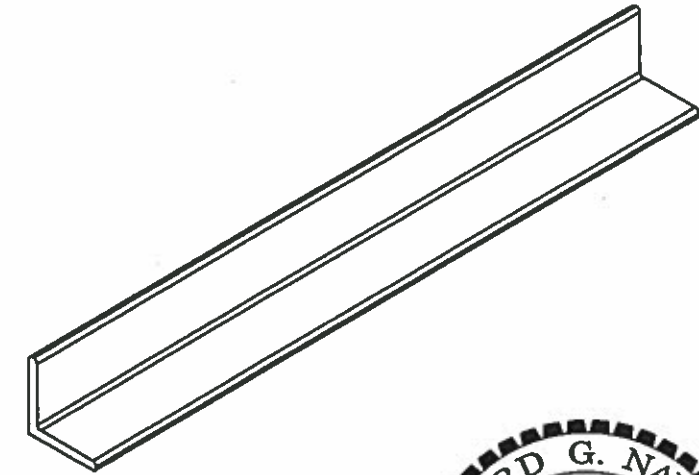
HOLES ± 0.030	SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER: 211-02165	REV. A
X.XXX ± 0.060			DATE CREATED: 5/7/14	
ANGLES ± 1.0°	SCALE: NONE	CAD FILE: 716-F0053A	SHEET 1 of 1	

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.

REV	DESCRIPTION	DATE	INITIALS
A	3/16 THICKNESS WAS 1/4. UPDATED DESCRIPTION.	7/14	DK



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 Washington State  
 Department of Transportation  
 HQ Traffic Operations Office  
 DATE June 17, 2015 TAT

3/16

ANGLE, 1-1/2 x 1-1/2 x 3/16 x 13.500 LONG  
 (2) REQ'D

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Prepared for H <sup>2</sup> PRECAST INC.			
FRAME ANGLE, 1-1/2x1-1/2x3/16 x 13.500 LONG			
HOLES ± 0.030	SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER: 211-02166
X.XXX ± 0.060		DATE CREATED: 5/7/14	REV. A
ANGLES ± 1.0°	SCALE: NONE	CAD FILE: 716-F0054A	SHEET 1 of 1

8 7 6 5 4 3 2 1

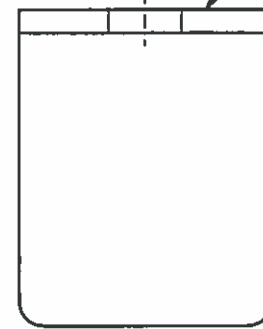
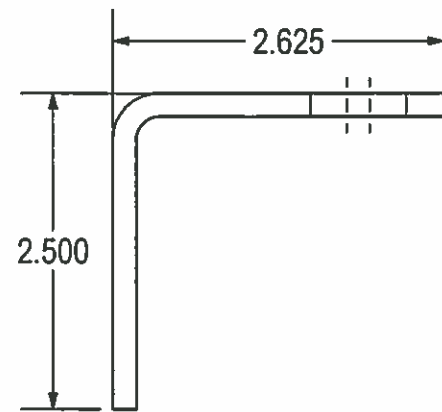


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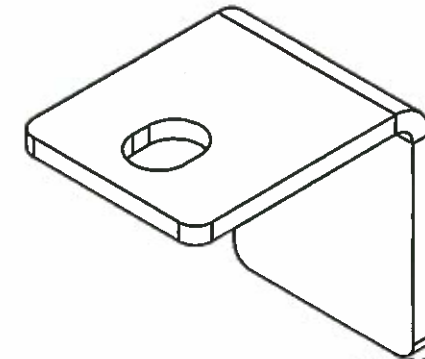
This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.

REV	DESCRIPTION	DATE	INITIALS
A	ADDED CHAMFER NOTE	7/14	DK

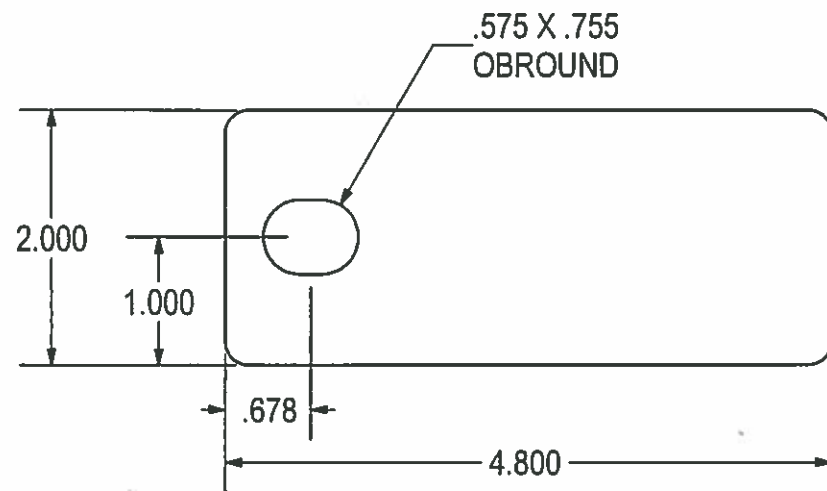
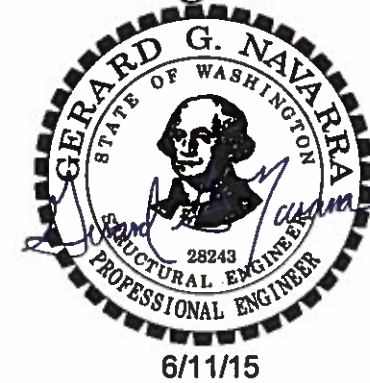
D  
C  
B  
A



BREAK EDGE  
(1/16" CHAMFER)  
TOP / EXTERIOR  
EDGES ONLY.  
(3X) EDGES.



FORMED DETAILS



FLAT PATTERN

**APPROVED**  
Washington State  
Department of Transportation  
HQ Traffic Operations Office  
DATE June 17, 2015 TAT

3/16HR - 4.800 X 2.000  
X = .325 @ 90° .188 R  
(1) REQ'D

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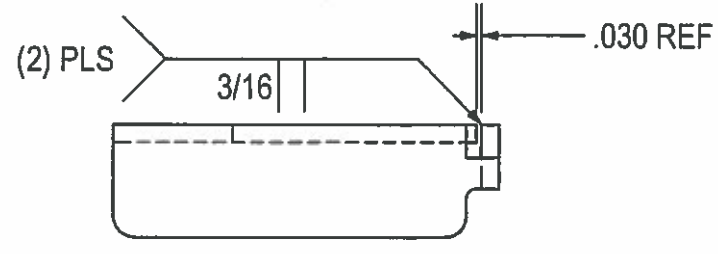
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X.XXX ± 0.060			DATE CREATED: 5/21/12	
ANGLES ± 1.0°	SCALE: NONE	CAD FILE 716-L001A	SHEET 1 of 1	

8 7 6 5 4 3 2 1

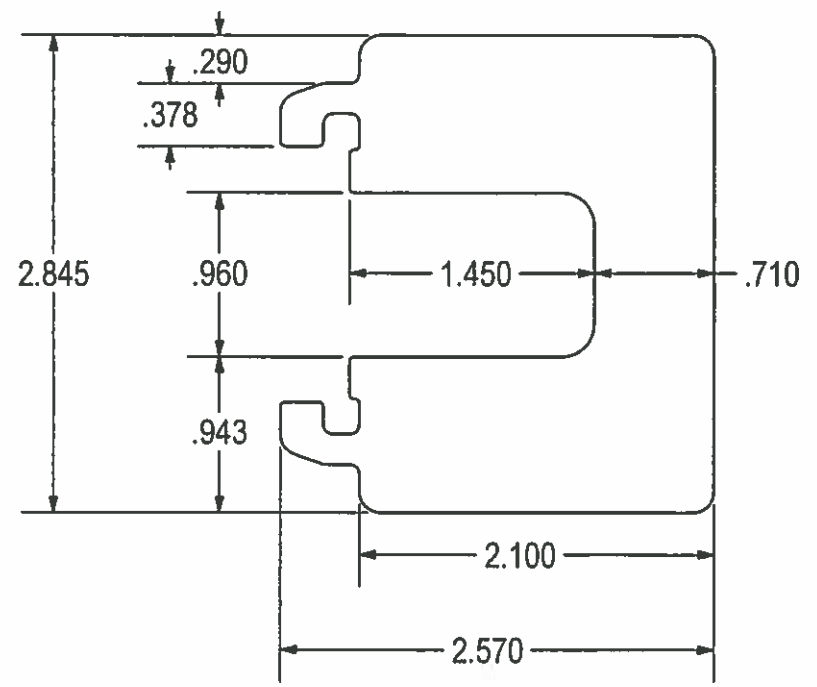
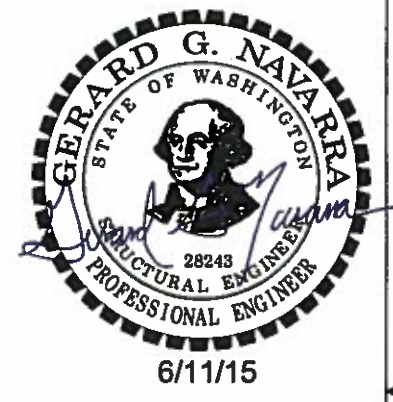
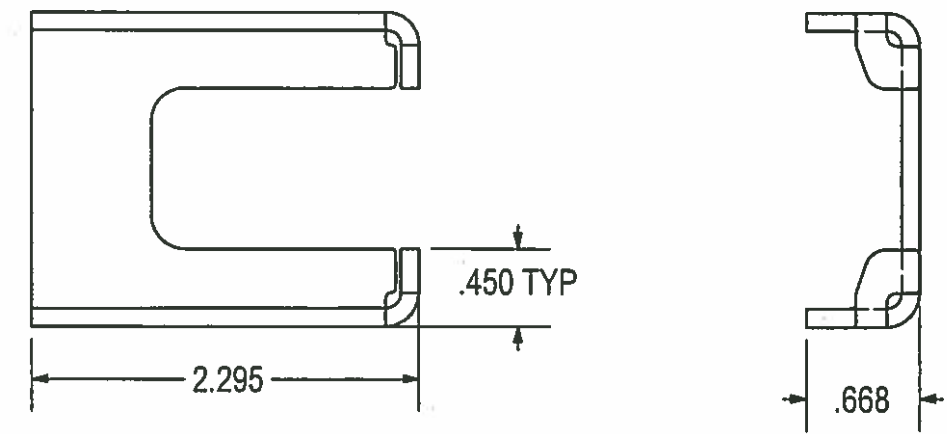
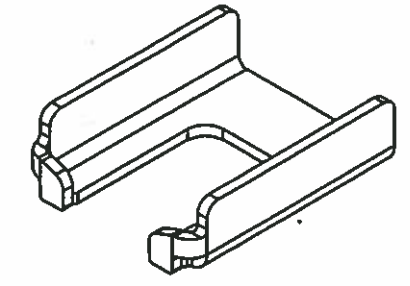
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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.

REV	DESCRIPTION	DATE	INITIALS
A	REDESIGNED. SHORTENED. ADDED SIDE FLANGES.	7/14	DK



FORMED DETAILS



FLAT PATTERN

12 GA HR - 3.095 X 2.570  
 X = .175 @ 90° .090 R  
 (1) REQ'D

**APPROVED**  
 Washington State  
 Department of Transportation  
 HQ Traffic Operations Office  
 DATE June 17, 2015 TAT

Prepared for H<sup>2</sup> PRECAST INC.

LATCH GUIDE

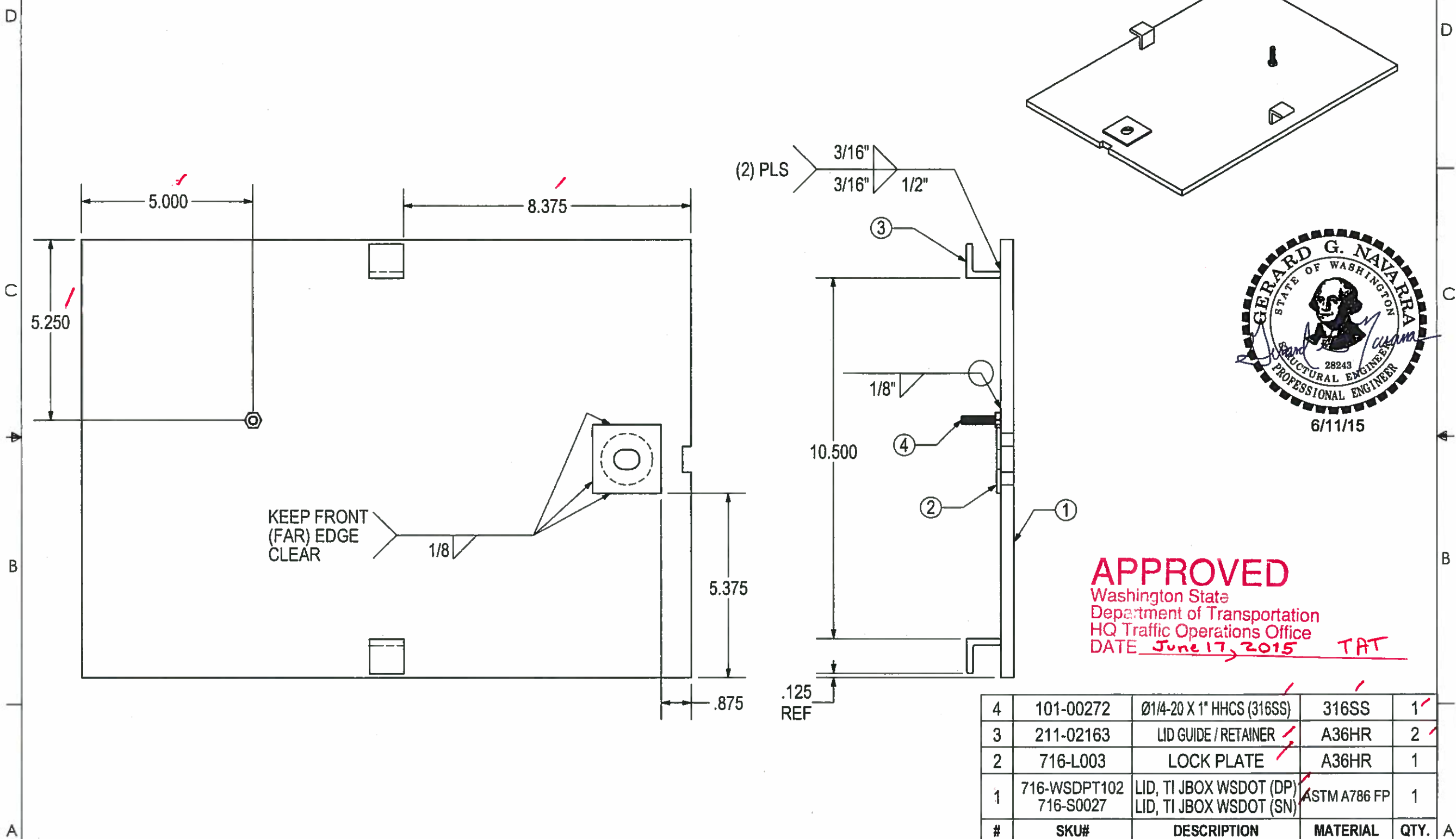
THIS DRAWING CREATED FOR MANUFACTURING REFERENCE ONLY AND IS NOT INTENDED TO SUPERCEDE H<sup>2</sup> PRECAST INC. DRAWINGS OR SPECIFICATIONS OF THE REFERENCED PART.

HOLES ± 0.030	SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER: 716-L004	REV. A
X.XXX ± 0.060			DATE CREATED: 5/21/12	
ANGLES ± 1.0°	SCALE: NONE	CAD FILE: 716-L004A	SHEET 1 of 1	

8 7 6 5 4 3 2 1

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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.



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 HQ Traffic Operations Office  
 DATE June 17, 2015 TAT

4	101-00272	Ø1/4-20 X 1" HHCS (316SS)	316SS	1
3	211-02163	LID GUIDE / RETAINER	A36HR	2
2	716-L003	LOCK PLATE	A36HR	1
1	716-WSDPT102 716-S0027	LID, TI JBOX WSDOT (DP) LID, TI JBOX WSDOT (SN)	ASTM A786 FP	1
#	SKU#	DESCRIPTION	MATERIAL	QTY.

**PARTS LIST**

UNIVERSAL DRAWING:  
 700-00001 WSDOT (DP)  
 700-00031 WSDOT (SN)

Prepared for H<sup>2</sup> PRECAST INC.  
**LID WELD ASSY, TYPE I JBOX WSDOT**  
 SIZE A  
 DRAWN BY: DREW KEIM  
 PROGRAM NUMBER: **700-00001 (DP)**  
 DATE CREATED: 4/28/14 **700-00031 (SN)**  
 SCALE: NONE  
 CAD FILE: LID, TI JBOX WSDOT  
 SHEET 1 of 1

THIS DRAWING CREATED FOR MANUFACTURING REFERENCE ONLY AND IS NOT INTENDED TO SUPERCEDE H<sup>2</sup> PRECAST INC. DRAWINGS OR SPECIFICATIONS OF THE REFERENCED PART.

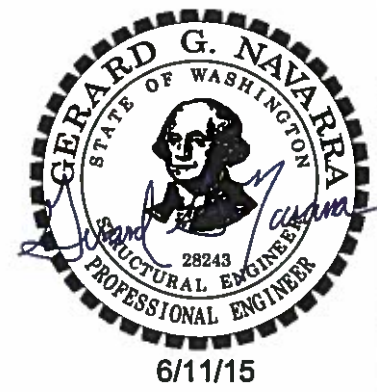
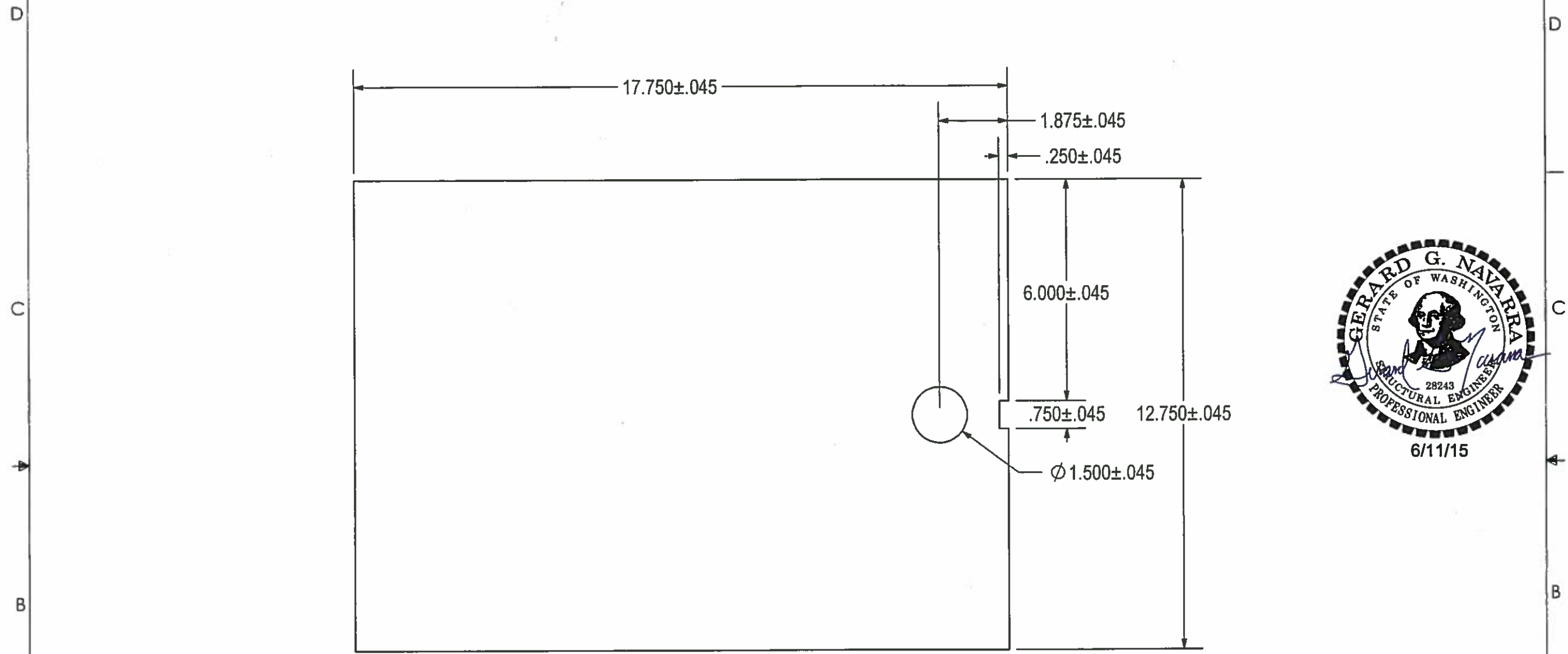
HOLES ± 0.030  
 X.XXX ± 0.060  
 ANGLES ± 1.0°



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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29 2(2), Standard Duty Junction Boxes.

REV	DESCRIPTION	DATE	INITIALS
A	MODIFIED LIFTING NOTCH. 3/4x1/4 RECT WAS 1/2x1/2 OBR.	7/14	DK



**APPROVED**  
 Washington State  
 Department of Transportation  
 HQ Traffic Operations Office  
 DATE June 17, 2015 TAT

3/8 DIAMOND PLATE / SLIPNOT (ASTM A786 FLOOR PLATE)  
 17.750 X 12.750  
 (1) REQ'D

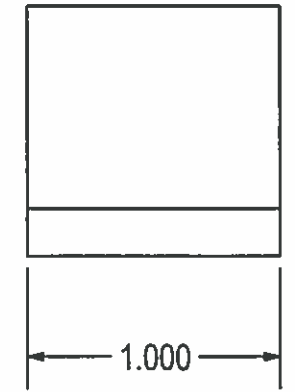
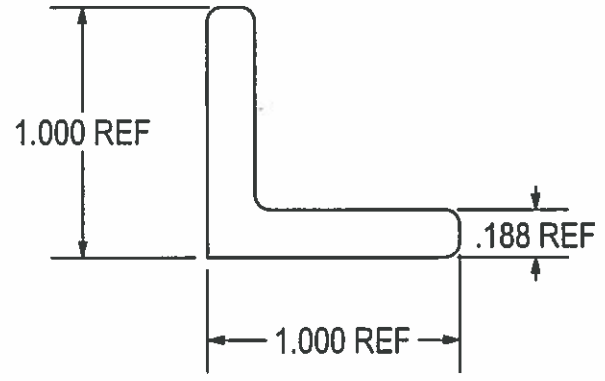
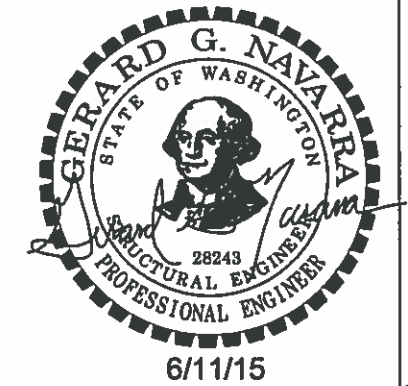
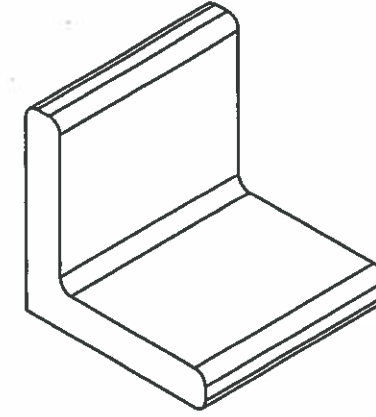
UNIVERSAL DWG:  
 716-WSDOT102 (DP)  
 716-S0027 (SN)

Prepared for H <sup>2</sup> PRECAST INC.			
DOOR W/ LOCK- WSDOT TYPE I J-BOX			
SIZE A	DRAWN BY: DREW KEW	PROGRAM NUMBER: DATE CREATED: 5/31/12	REV. A
SCALE: NONE	CAD FILE: 716-S0027A	SHEET	OF

THIS DRAWING CREATED FOR MANUFACTURING REFERENCE ONLY AND IS NOT INTENDED TO SUPERCEDE H<sup>2</sup> PRECAST INC. DRAWINGS OR SPECIFICATIONS OF THE REFERENCED PART.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF H<sup>2</sup> PRECAST INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF FM&M IS PROHIBITED.

This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.

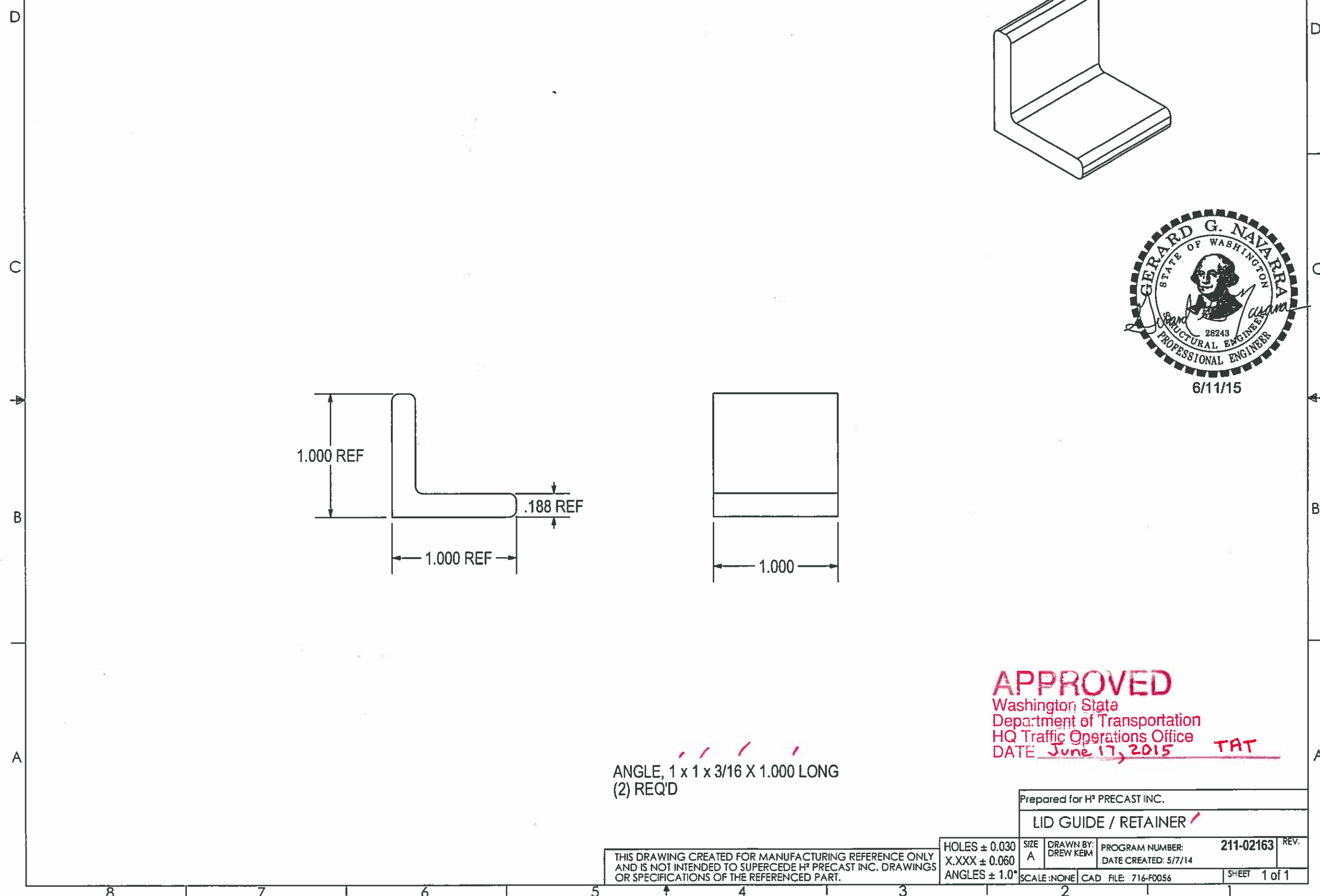


ANGLE, 1 x 1 x 3/16 X 1.000 LONG  
(2) REQ'D

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Washington State  
Department of Transportation  
HQ Traffic Operations Office  
DATE June 17, 2015 TAT

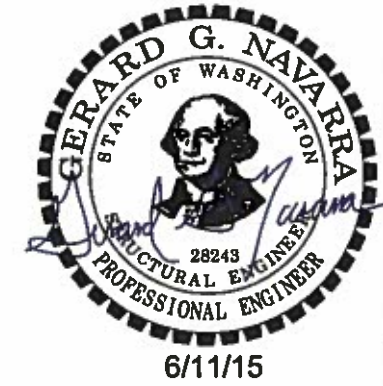
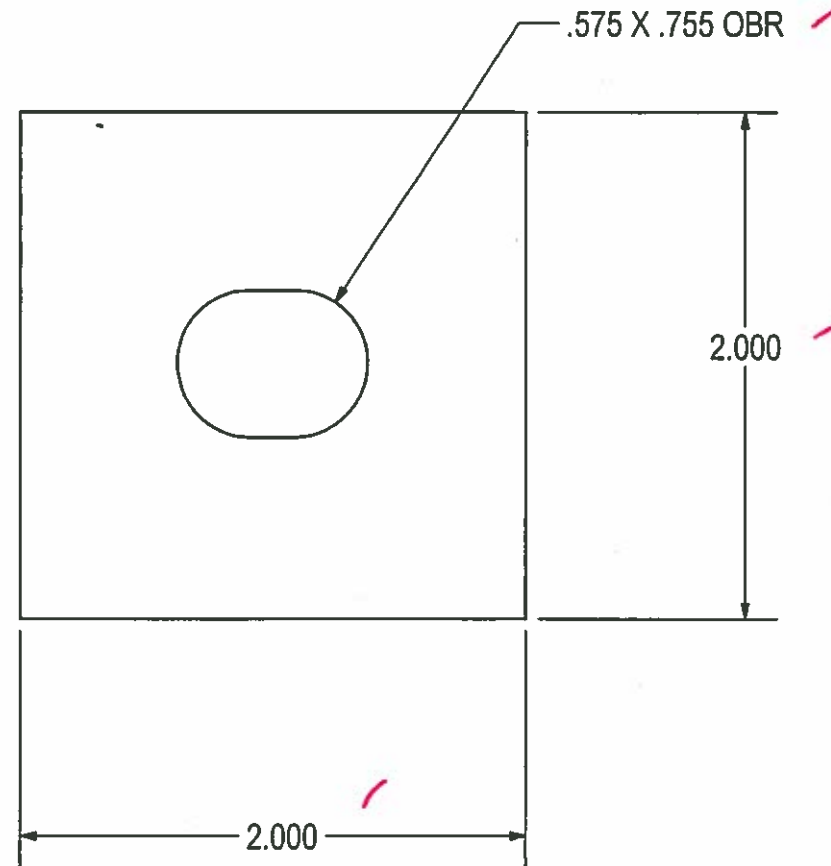
Prepared for H <sup>2</sup> PRECAST INC.			
LID GUIDE / RETAINER			
SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER: 211-02163	REV.
HOLES ± 0.030 X.XXX ± 0.060 ANGLES ± 1.0°		DATE CREATED: 5/7/14	
SCALE: NONE		CAD FILE: 716-F0056	SHEET 1 of 1

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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.



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DATE June 17, 2015 **TAT**

1/8 HR - 2.000 X 2.000  
(1) REQ'D

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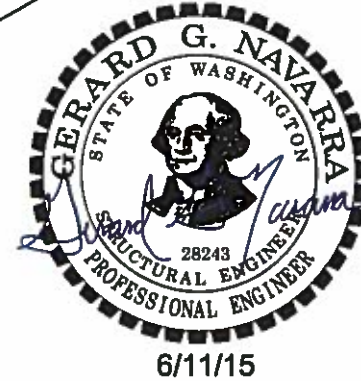
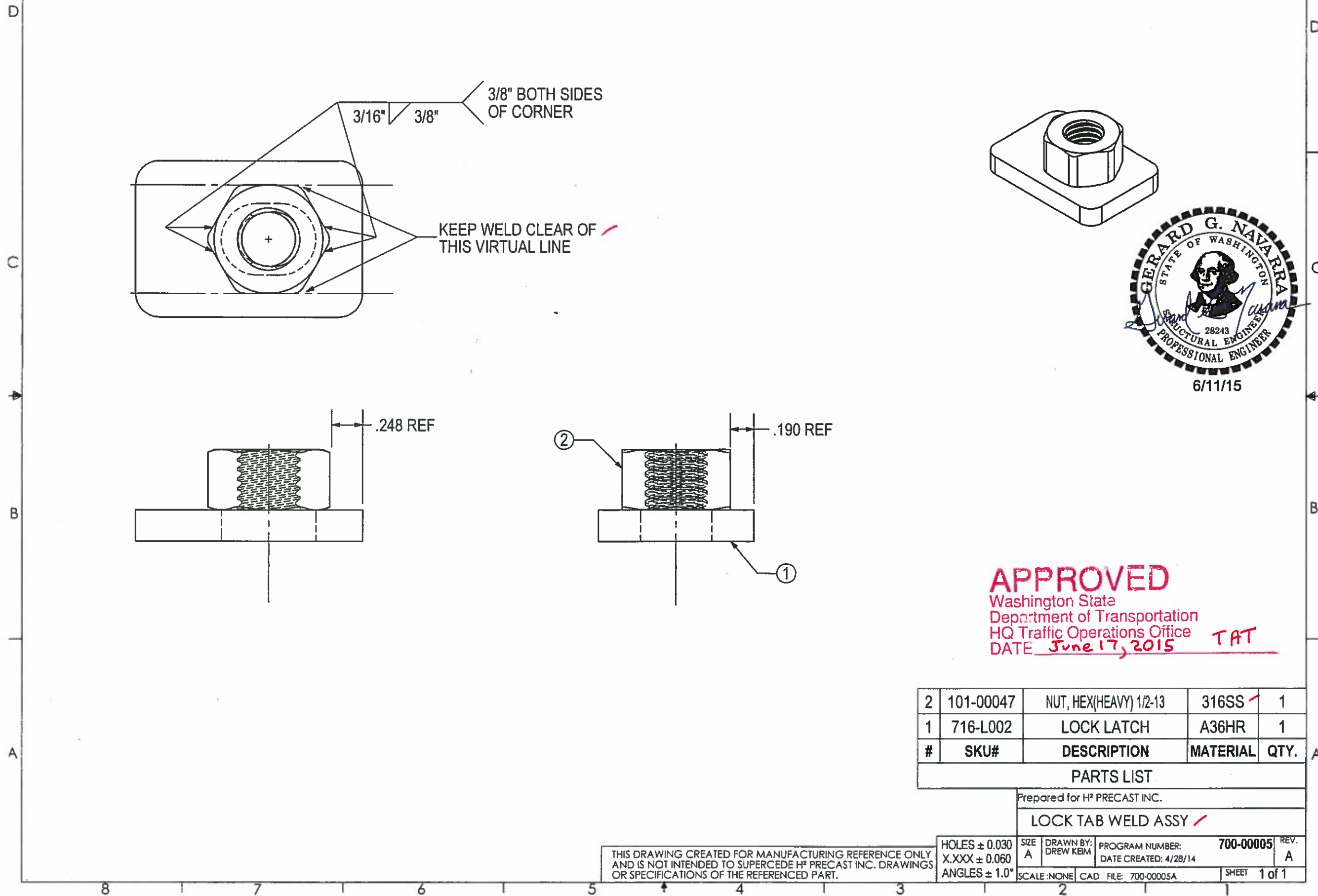
Prepared for H <sup>2</sup> PRECAST INC.			
LOCK PLATE ✓			
SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER: 716-L003	REV.
SCALE: NONE		DATE CREATED: 5/21/12	
CAD FILE: 716-L003		SHEET 1 of 1	



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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.

REV	DESCRIPTION	DATE	INITIALS
A	MODIFEID WELD NOTE. ADDED NOTE.	7/14	DK



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#	SKU#	DESCRIPTION	MATERIAL	QTY.
2	101-00047	NUT, HEX(HEAVY) 1/2-13	316SS ✓	1
1	716-L002	LOCK LATCH	A36HR	1

**PARTS LIST**

Prepared for H<sup>2</sup> PRECAST INC.

**LOCK TAB WELD ASSY ✓**

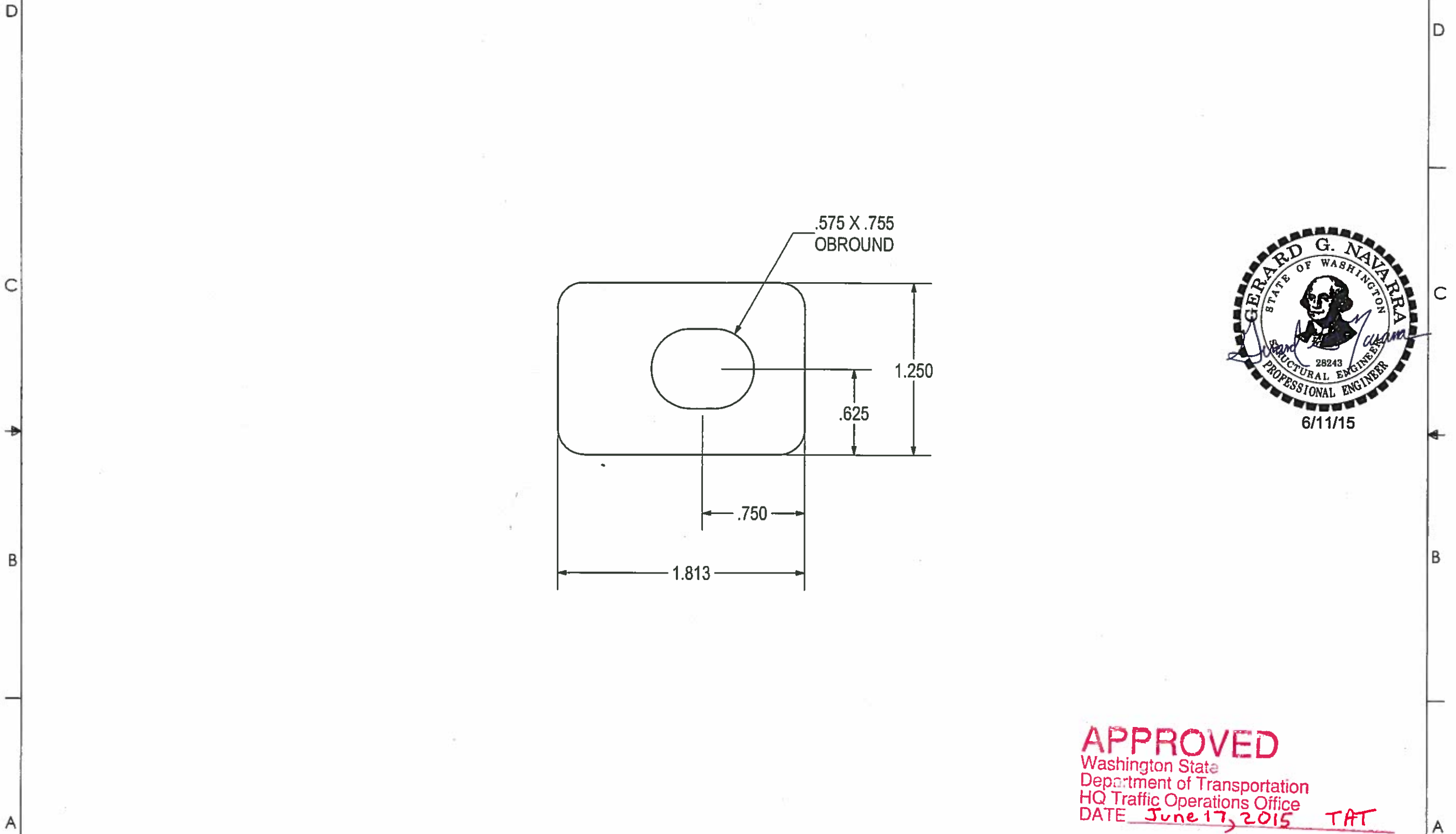
THIS DRAWING CREATED FOR MANUFACTURING REFERENCE ONLY AND IS NOT INTENDED TO SUPERCEDE H<sup>2</sup> PRECAST INC. DRAWINGS OR SPECIFICATIONS OF THE REFERENCED PART.

HOLES ± 0.030	SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER: 700-00005	REV. A
X.XXX ± 0.060			DATE CREATED: 4/28/14	
ANGLES ± 1.0°	SCALE: NONE	CAD FILE: 700-00005A	SHEET 1 of 1	

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This assembly is constructed and tested to conform with WSDOT Standard Specification 9-29.2(2), Standard Duty Junction Boxes.

REV	DESCRIPTION	DATE	INITIALS
A	1/4" HR WAS 3/8" HR	'14	DK



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1/4 HR - 1.813 X 1.250  
 (1) REQ'D

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Prepared for H <sup>2</sup> PRECAST INC.			
LOCK LATCH			
SIZE A	DRAWN BY: DREW KEIM	PROGRAM NUMBER: 716-L002	REV. A
HOLES ± 0.030 X.XXX ± 0.060 ANGLES ± 1.0°		DATE CREATED: 5/21/12	
SCALE: NONE		CAD FILE: 716-L002A	SHEET 1 of 1