NOTE:
PENTA HEAD BOLT IS RECESSED
MINIMUM ½" BELOW PLATE SURFACE.
PENTA HEAD BOLT TO BE LIBERALLY
COATED WITH ANTI-SEIZE COMPOUND.

WASHINGTON STATE
Department of Transportation
HQ Traffic Operations Office
DATE: July 30, 2012

PLAN VIEW

VIEW AA

VIEW BB

SHIPPING WEIGHT
32-247 COVER: 975 lbs
2-1/8 SPLIT PULLBOX BASE: 1,360 lbs
TOTAL: 2,335 lbs

STRUCTURAL NOTES
1. CONCRETE:
2. COMPRESSIVE STRENGTH FC = 4000 psi
3. AARHS: ASTM A-415 GRADE 60
4. DESIGN: AD-5/6-10 BUILDING CODE
5. LOADS:
   HEAVY DUTY LOADING: 40,000 lbf
   ATM C-857 "MINIMUM STRUCTURAL DESIGN LOADING FOR
   UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES"
   SEE TABLE FOR LESS THAN 2'-0" SOIL COVER
   100 psi LATERAL SOIL PRESSURE ABOVE WATER TABLE
   60 psi LATERAL SOIL PRESSURE BELOW WATER TABLE
   50 psi LIVE LOAD SURCHARGE
   NO LIVE LOAD SURCHARGE FOR SOIL COVER > 2'-0"
   TOP OF VAULT AT FINISHED GRADE
   WATER TABLE 2'-0" BELOW FINISHED GRADE (ASSUMED)

GENERAL NOTES
1. CUSTOMER TO VERIFY ALL VAULT FEATURES
2. DO ALL GROUTING & GASKETS OF VAULTS, HOLES & SEAMS
3. INSTALLING NON-SKID GRATING
4. INSTALL ALL ADJACENT LADDERS
5. DO ALL PAINTING

CUSTOMER:
WASHINGTON STATE DOT

CUSTOMER STANDARD PRODUCT
010-X034510-004

OLDCASTLE PRECAST
6192 W. Pacific Rim Blvd.
Question
Sacramento, CA 95834

OLDCASTLE PRECAST
12345 Falsa Way
San Diego, CA 92154

SOUTHERN CALIFORNIA DIVISION
7890 Saticoy Street
Van Nuys, CA 91406

WEST COAST DIVISION
21630 Fairmont Ave.
North Hollywood, CA 91606

INK/BLUEPRINT

REV 1
PLAN VIEW
LAYOUT (SHOWN AS POURED)

PLAN VIEW
REINFORCING (SHOWN AS POURED)

VIEW AA
SEE WELD DETAIL
SEE SHOP NOTES 5 & 6

R4 DETAIL
SEE NOTE 4

VIEW BB
R3 NOT SHOWN

BILL OF MATERIAL

<table>
<thead>
<tr>
<th>PART</th>
<th>QTY</th>
<th>UN</th>
<th>DESCRIPTION</th>
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</tr>
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<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>ea</td>
<td>Insert Loop For 3/4&quot;</td>
<td>010-5100000-000</td>
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<tr>
<td>2</td>
<td>4</td>
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<td>Insert Plastic Plug 3/4&quot; 1/4&quot;</td>
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<tr>
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<td>24&quot; x 4&quot; Flange Up - &quot;WDOOT-1&quot;</td>
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<tr>
<td>4</td>
<td>2</td>
<td>ea</td>
<td>1/4&quot; Ground w/ 3/16&quot; x 1/16&quot; Rod - Brass</td>
<td>010-5100333-000</td>
</tr>
<tr>
<td>0.13</td>
<td></td>
<td></td>
<td>Concrete Mix - SCC</td>
<td>010-5000000-000</td>
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<tr>
<td>1.01</td>
<td></td>
<td></td>
<td>Rebar #3 x 40&quot; ODGR</td>
<td>010-5500030-000</td>
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<tr>
<td>25.00</td>
<td></td>
<td></td>
<td>Wood &amp; Steel Forming Charge</td>
<td>010-9300050-000</td>
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SHOP NOTES
1. USE "25 COVER" STEEL FORM.
2. CONCRETE FINISH: BRONZ FINISH WITH MACHINED EDGES.
3. EASIY BLUE 
4. PLACE THROUGH HOLE IN FRAME, EAT.
5. MARK GROUND INSERTS "BOARD" IN 2" LETTERS WITH GREEN PAINT.

APPROVED
Washington State
Department of Transportation
HQ Traffic Operations Office
DATE July 30, 2012 TAT

REINFORCING CUT LIST

<table>
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<tr>
<th>PART</th>
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<td>4</td>
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<tr>
<td>RO</td>
<td>2</td>
<td>Rebar</td>
<td>3</td>
<td>3</td>
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<tr>
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<td>4</td>
<td>STR</td>
</tr>
<tr>
<td>RH</td>
<td>4</td>
<td>Rebar</td>
<td>1</td>
<td>4</td>
<td>BENT</td>
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23-24F HD COVER REPL - WSDOT
LAYOUT & REINFORCING DETAILS
CUSTOMER STANDARD PRODUCT
010-0020437-001
WSDOT ITS

PLAN VIEW

SECTION AA

GROUND PLATE

LATCH ASSEMBLY

RING HANDLE

SLIDING PLATE SURFACE

NON-SPRING ASSISTED HINGE ASSEMBLY

MARKED \"WSDOT ITS\"

2\" LETTERS CENTERED ON DOOR

STRUCTURAL NOTES

1. MATERIAL: ASTM A36 STRUCTURAL STEEL STANDARDS
2. ASSEMBLY: AND ITIL WELDING STANDARDS
3. COATING: ASTM A233 HOT-DIP GALVANIZING STANDARDS
4. LOADS: SUITABLE FOR ASH POT 1-20 WHEEL LOADERS

GENERAL NOTES

1. FRAMES AVAILABLE TO USE WITH THIS DOOR:
   2934020 (2X36-NSA FRAME)
2. OPTIONAL LETTERING FOR DOORS AS REQUESTED:
   WSDOT TS
   WSDOT LT
   WSDOT ENC
   WSDOT TEL
   WSDOT COMM

APPROVED
Washington State
Department of Transportation
HQ Traffic Operations Office
DATE July 30, 2013 TAT
PART No. 15

LAYOUT CUT LIST

<table>
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<td>15</td>
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<td>Snap Fit 72 x 120 x 3/16</td>
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SHOP NOTES

1. PLASMA PROGRAM NAME 2436-NS-NSA-P11
2. CUT w/Snap Fit Pattern UP
Plan View

Bill of Material

<table>
<thead>
<tr>
<th>ART# SPEC</th>
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<tr>
<td>A358</td>
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<td>Hinge Plate (1/4&quot;)</td>
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<tr>
<td>A001-55</td>
<td>3</td>
<td>1</td>
<td>ea</td>
<td>Strike Plate (11 gauge)</td>
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<tr>
<td>A566</td>
<td>1</td>
<td>17</td>
<td>lbs</td>
<td>Angle -1 1/2&quot; x 1 1/2&quot; x 3/16&quot;</td>
<td>010-5000-000</td>
</tr>
<tr>
<td>A123</td>
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<td>19</td>
<td>lbs</td>
<td>Galvanizing Per Lb.</td>
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</table>

Layout Cut List

<table>
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<tr>
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<td>Angle 1 -1 1/2&quot; x 1 1/2&quot; x 3/16&quot;</td>
<td>23 13/16</td>
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<td>5</td>
<td>1</td>
<td>Angle 1 -1 1/2&quot; x 1 1/2&quot; x 3/16&quot;</td>
<td>9 13/16</td>
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<tr>
<td>6</td>
<td>1</td>
<td>Angle 1 -1 1/2&quot; x 1 1/2&quot; x 3/16&quot;</td>
<td>9 13/16</td>
</tr>
</tbody>
</table>

Shop Notes

1. Overall dimensions have a maximum allowable tolerance of ±3/16.
2. All welds are 1/16" fillet welds, unless otherwise noted.
3. Grind all sharp edges.
4. Frame to be hot-dipped galvanized after fabrication.

Approved as Noted
Washington State
Department of Transportation
HQ Traffic Operations Office
DATE July 30, 2012 TAT
PART No. 5

PART No. 6

<table>
<thead>
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<tbody>
<tr>
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<td>Angle 1-1/2&quot; x 1-1/2&quot; x 3/16&quot;</td>
<td>35 1/2</td>
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<td>1</td>
<td>Angle 1-1/2&quot; x 1-1/2&quot; x 3/16&quot;</td>
<td>35 1/2</td>
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</tbody>
</table>
3" ENGRAVED LETTERING

3" DIA PICKHOLE

1" DIA

BOLTHOLES - 3 PLCS.
EQUALLY SPACED 120°
(FOR HEX HD BOLTS)
APART ON 23 1/16" B.C.
APART (SEE DETAIL)

Penta head S.S.

PLAN VIEW

FLAT AREA
FLUSH WITH TOP

CUSTOM LOGO
(WITH 1/4" FLAT FACE
LETTERING FLUSH)

LOGO DETAIL

BOTTOM VIEW

SECTION VIEW

2 1/2"

1/2"

25"

3/4"

8 3/4" TYP

3/4" DIA CORED HOLE
FOR GROUNDING

3/4" DIA

1 3/16" DIA

3/4" DIA

15/16"

BOLT HOLE DETAIL
(37112301 PIN CORES)

1 1/2"

6"

GROUND STRAP HOLE

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