416 lbs ASSEMBLED WEIGHT

31.77 sq-ft EXPOSED SURFACE AREA

FINISHING OF EXPOSED SURFACES:

COMMERCIAL BLAST CLEAN TO SSPC-SP6 STANDARD.
IMMEDIATELY PRIME WITH ONE COAT ONLY OF ZINC RICH PRIMER.
(AMERON DIMETCOAT 9HS, CARBOLINE CARBOZINC 11 OR EQUAL)
FOLLOW ALL MANUFACTURER'S APLICATION INSTRUCTIONS.
SPRAY EQUIPMENT SHOULD USE AGITATED PRESSURE POT TO
KEEP ZINC UNIFORMLY MIXED DURING APPLICATION.
OVERCOAT WITH ONE COAT ONLY OF WHITE SILOXANE EPOXY.
(AMERON PSX 700, CARBOLINE CARBOXANE 2000 OR EQUAL).

BACK SIDE OF 24-09-102 BOLT PLATE FINISHED WITH A PRIME
COAT ONLY, NO OVERCOAT REQUIRED.
SEE SHEET 2 FOR DETAIL.

### Table: Items and Notes

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QTY</th>
<th>PART NO.</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>24-09-101-A Bolt Plate 1/4 plt</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>24-09-102-A Bolt Plate 5/8 plt</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>24-09-103-A Stiffener 1/4 plt</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>24-09-104-A Stiffener Cap 1/4 plt</td>
<td></td>
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</tbody>
</table>

### Diagram:

- **Dimensional Tolerances:**
  - Linear: ±0.005
  - Angular: ±0.01

- **Break Sharp Edges:** 0.010 RAD ± 0.003
- Machined Surf Finish: ≤ 125 microinches

### Notes:

- **Weight:** 416 lbs
- **Exposed Surface Area:** 31.77 sq-ft
- **Revisions:** CARMA 6m Base, Leg Adaptor, Assembly

---

**University of California - Berkeley**

Tel: 510-642-5040    Fax: 510-642-3411

**REVISIONS**

<table>
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<th>REV</th>
<th>DESCRIPTION</th>
<th>ZONE</th>
<th>NAME</th>
<th>DATE</th>
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<td>A</td>
<td>RELEASED</td>
<td></td>
<td>M.C.F.</td>
<td>2004-12-22</td>
</tr>
</tbody>
</table>

**SCALE:**

- **DIMENSIONS ARE INCHES & DEGREES**
- **UNLESS OTHERWISE SPECIFIED**

**FINISH:**

- **MACHINED SURF:** ≤ 125 microinches
- **BREAK SHARP EDGES:** 0.010 RAD ± 0.003
- **MATERIAL:**
  - Break Sharp Edges: 0.010 RAD ± 0.003
  - Machined Surf: ≤ 125 microinches

** scale: 1" = X.XX FT**

---

**Drawing Information:**

- **NAME:** M.C. Fleming
- **DATE:** 2004-12-22
- **DRAWN:** M.C. Fleming
- **CHECKED:** M.C. Fleming
- **REV.:** A

**Zone:** A

**Weight:** 416 lbs

**Material:**

- **Break Sharp Edges:** 0.010 RAD ± 0.003
- **Machined Surf:** ≤ 125 microinches

---

**Revisions:**

- **A:** RELEASED

---

**Note:**

- THIS DRAWING IS THE PROPERTY OF AND CONTAINS CONFIDENTIAL INFORMATION PROPRIETARY TO THE UNIVERSITY OF CALIFORNIA AND SHALL BE USED ONLY FOR THE PURPOSE FOR WHICH IT WAS PROVIDED AND SHALL NOT BE REPRODUCED OR DISCLOSED TO OTHERS.
BOLT PLATE MUST REMAIN FLAT.
AN OPTION IS TO BOLT TWO PLATES
BACK TO BACK AND WELD TWO ASSEMBLIES
SIMULTANEOUSLY.

BACK SIDE OF 24-09-102 BOLT PLATE
FINISHED WITH A PRIME COAT ONLY,
NO OVERCOAT.

THESE FACES FLUSH
BOLT PLATE MUST REMAIN FLAT.
AN OPTION IS TO BOLT TWO PLATES
BACK TO BACK AND WELD TWO ASSEMBLIES
SIMULTANEOUSLY.
ALL TOUCHING EDGES
BOTH STIFFENERS

1/4

1/4

3/16

BOTH STIFFENERS

WELDS MUST SEAL ALL JOINTS AGAINST RAIN WATER INTRUSION

M. C. FLEMING
2004-12-22

CARMA 6m Base, Leg Adaptor, Assembly

RADIO ASTRONOMY LAB
University of California - Berkeley
Tel: 510-642-5040    Fax: 510-642-3411
ALL HOLES SYMMETRICAL TO $Q$
DRILLED HOLE LOCATIONS MUST BE TRUE POSITION WITHIN 1/32 TO MATCH EXISTING TELESCOPE FLANGES.

ALL HOLES SYMETRICAL TO

MAY WISH TO BEVEL ONE SIDE FOR WELD

0.010 RAD  0.003

MACHINED SURF FINISH  < 125 MICROINCH

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE INCHES & DEGREES
TOLERANCES:

M.C. FLEMING  2004-12-22

CARMA 6m Base, Leg Adaptor Bolt Plate

1 REQUIRED PER ASSEM
1/4"

11/16" DRILL THRU
DEBurr BOTH SIDES

REV. M.C. FLEMING 2004-12-22

RADIO ASTRONOMY LAB
University of California - Berkeley
Tel: 510-642-5040  Fax: 510-642-3411

MATERIAL: STEEL, A-36, 1/4" THICK BURNED

FINISH: MACHINED SURF FINISH < 125 MICROINCH

TOLERANCES:

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE INCHES & DEGREES

WHOLE & FRACTION
DECIMAL X.X
DECIMAL X.XX
DECIMAL X.XXX

LINEAR ANGLE
BREAK SHARP EDGES 0.010 RAD  0.003
MACHINED SURF FINISH < 125 MICROINCH

WEIGHT: 9.372 lbs

SCALE:

SIZE: 24-09-104 1 of 1

CARMA 6m Base, Leg Adaptor, Cap