<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>QTY.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>MATERIAL / VENDOR</th>
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<tr>
<td>1</td>
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<td>D020286-B</td>
<td>ACTUATION PLATE</td>
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<tr>
<td>2</td>
<td>1</td>
<td>D020285-B</td>
<td>ACTUATION PLATE</td>
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<td>3</td>
<td>1</td>
<td>D020289-A</td>
<td>BYPASS SPACER</td>
<td></td>
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<tr>
<td>4</td>
<td>1</td>
<td>D020288-A</td>
<td>BYPASS RESISTOR RING</td>
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<tr>
<td>5</td>
<td>1</td>
<td>D020289-A</td>
<td>BYPASS RESISTOR CAP</td>
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<td>1</td>
<td>D020359-B</td>
<td>ACTUATOR SMALL PIN VALVE ASSEMBLY</td>
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<td>D020359-B</td>
<td>SMALL ACTUATOR PLUG IN CAVITY</td>
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<tr>
<td>8</td>
<td>1</td>
<td>D020358</td>
<td>HEPI Actuator Plate Exploded View</td>
<td></td>
</tr>
</tbody>
</table>

TOLERANCES:
- .XX     0.020"  
- .XXX    0.005"  
- ANGULAR  30'  
- FINISH  
- SCALE: C

DRAWN: Hardham  
DRAWN DATE: 4/02  
CHECKED: Kern  
CHECKED DATE: 2/9/03  
CONSTRUCTED: Hammond  
CONSTRUCTED DATE: Fall’02  
REDRAWN: Spjeld  
REDRAWN DATE: 8/12/03  

FILE NAME/LOCATION: CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
DIMENSIONS ARE IN INCHES  
MATERIAL:  
SYSTEM:  
SUB-SYSTEM:  
PART NAME:  
REV: B  
DRAWN NO.: D020358  
DATE OF ISSUE: Fall’02  
DRAWING TREE:  
SHT. NO.: 3 / 43  

32 RMS unless noted  
1 Required for each actuator  
1-1 unless noted  
1-1 unless noted  
1-1 unless noted
NOTE: ENGRAVE D020285-B-(SN)
**Actuation Plate Small Pin Valve**  
*D020359-D-E Part 1*  
Mat'l: 17-4 PH  
(2) required

for use only on  
*D020365-B Manifold Assembly*

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**Actuation Plate Small Pin Valve**  
*D020359-D-E Part 1A*  
Mat'l: 17-4 PH  
(3) required

for use only on  
*D020358-B Resistor Stack Sub-Assembly*
Actuator Plate Plug
D020359-D-E Part 2
Mat'l: 304-L
(5) required

Broach for Standard 3/16 Allen Wrench Hex
.150 depth

Scallop for thumb screws approx. as shown with best shop Practice. Typ for both
Details D020359-2 & D020359-2A

DETAIL DD
SCALE 4:1

SECTION BJ-BJ
SCALE 2:1

CJ CJ
DD

3/8-24 thread
w/full thread relief

φ .60

φ .275

φ .60

φ .275

φ 1/4" thru

1/32" X 45.00°

3/8-24 thread
w/full thread relief

SECTION CJ-CJ
SCALE 2:1

Actuator Plate Plug
D020359-B-E Part 2A
Mat'l: 6061-T6
(5) required

Broach for Standard 3/16 Allen Wrench Hex
.150 depth

Scallop for thumb screws approx. as shown with best shop Practice. Typ for both
Details D020359-2 & D020359-2A

SECTION CJ-CJ
SCALE 2:1

CJ CJ
DD