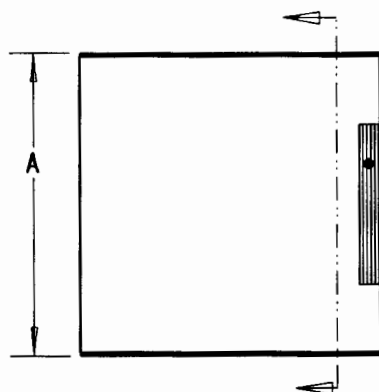
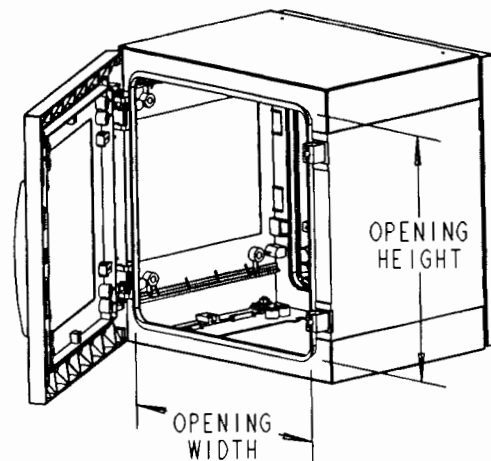
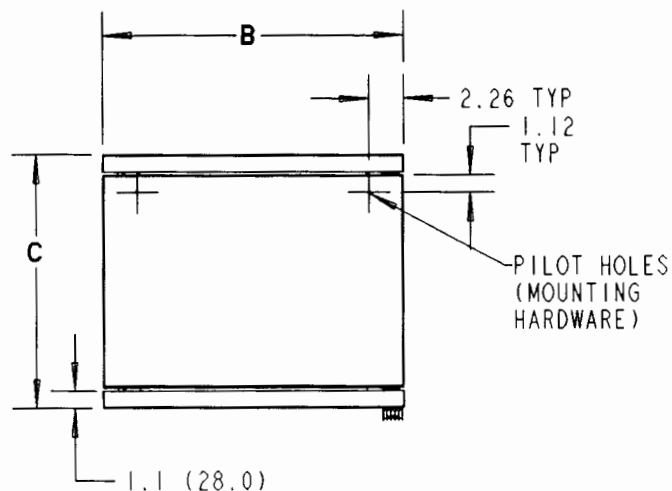


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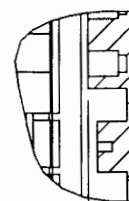
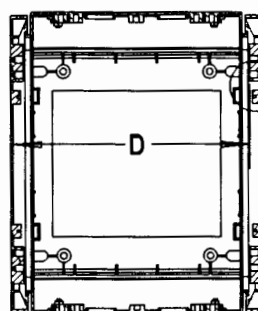


Gross Automation  
[www.grossautomation.com](http://www.grossautomation.com)

Call Toll Free:  
**800-349-5827**



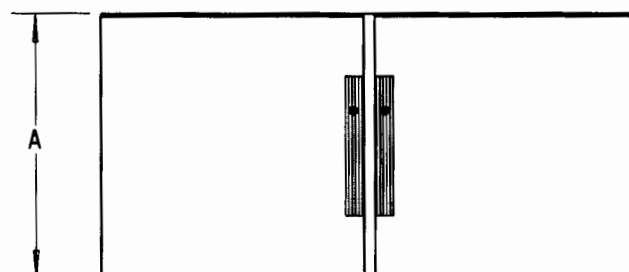
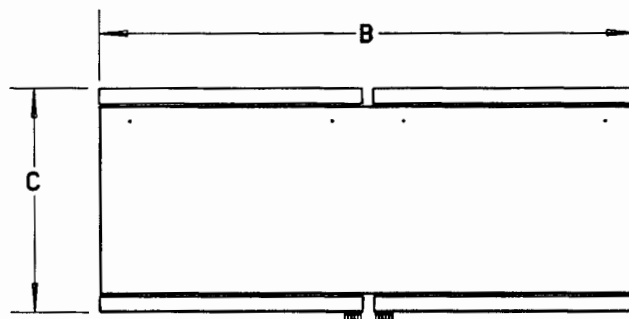
SEE DETAIL D



D  
REF  
DETAIL D  
SCALE 0.300

## SINGLE DOOR

## 2 DOOR



SEE SHEET 2 FOR CHARTED DIMENSIONS

|                                  |                                                                                                                                                                              |              |                    |                       |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|-----------------------|
| TITLE HIMEL HLS & HLA ENCLOSURES | DRN RG                                                                                                                                                                       | DATE 1/16/02 | PART NO: SEE CHART |                       |
| LAMSON & SESSIONS                | ALL DRAWINGS ARE THE PROPERTY OF LAMSON & SESSIONS AND SHALL NOT BE REPRODUCED IN ANY FORM WITHOUT LAMSON & SESSIONS' APPROVAL AND ARE TO BE PROMPTLY RETURNED UPON REQUEST. | APP.         | DATE               | DRAWING NO: AC04081   |
|                                  |                                                                                                                                                                              | EGH          | 1/17/02            | SHT. 1 OF 2<br>REV. C |

SEE SHEET 1 FOR DIMENSION LOCATIONS

**SINGLE DOOR**

| PART NUMBER | "A"<br>IN (mm) | "B"<br>IN (mm) | "C"<br>IN (mm) | "D"<br>IN (mm) | OPENING<br>HEIGHT x WIDTH<br>IN (mm) | BACKPLATE<br>PART NO. |
|-------------|----------------|----------------|----------------|----------------|--------------------------------------|-----------------------|
| HLS2020     | 19.7 (500)     | 19.7 (500)     | 12.6 (320)     | 11.6 (295)     | 15.9 (405) x 15.9 (405)              | L_2020BP              |
| HLA2020     | 19.7 (500)     | 19.7 (500)     | 16.5 (420)     | 15.5 (394)     | 15.9 (405) x 15.9 (405)              | L_2020BP              |
| HLS2030     | 19.7 (500)     | 19.7 (500)     | 12.6 (320)     | 11.6 (295)     | 15.9 (405) x 29.5 (750)              | L_2030BP              |
| HLS3020     | 29.5 (750)     | 19.7 (500)     | 12.6 (320)     | 11.6 (295)     | 25.8 (655) x 15.9 (405)              | L_3020BP              |
| HLS3030     | 29.5 (750)     | 29.5 (750)     | 12.6 (320)     | 11.6 (295)     | 25.8 (655) x 25.8 (655)              | L_3030BP              |
| HLS4020     | 39.4 (1000)    | 19.7 (500)     | 12.6 (320)     | 11.6 (295)     | 35.6 (905) x 15.9 (405)              | L_4020BP              |
| HLA3030     | 29.5 (750)     | 29.5 (750)     | 16.5 (420)     | 15.5 (394)     | 25.8 (655) x 25.8 (655)              | L_3030BP              |
| HLS4030     | 39.4 (1000)    | 29.5 (750)     | 12.6 (320)     | 11.6 (295)     | 35.6 (905) x 25.8 (655)              | L_4030BP              |
| HLA4030     | 39.4 (1000)    | 29.5 (750)     | 16.5 (420)     | 15.5 (394)     | 35.6 (905) x 25.8 (655)              | L_4030BP              |
| HLS5020     | 49.2 (1250)    | 19.7 (500)     | 12.6 (320)     | 11.6 (295)     | 45.5 (1155) x 15.9 (405)             | L_5020BP              |
| HLS5030     | 49.2 (1250)    | 29.5 (750)     | 12.6 (295)     | 11.6 (295)     | 45.5 (1155) x 25.8 (655)             | L_5030BP              |

**2 DOOR**

| PART NUMBER | "A"<br>IN (mm) | "B"<br>IN (mm) | "C"<br>IN (mm) | "D"<br>IN (mm) | OPENING<br>HEIGHT x WIDTH<br>IN (mm) | BACKPLATE<br>PART NO. |
|-------------|----------------|----------------|----------------|----------------|--------------------------------------|-----------------------|
| HLA30402    | 29.5 (750)     | 39.4 (1000)    | 16.5 (420)     | 15.5 (394)     | 25.8 (655) x 15.9 (405)              | L_30402BP             |
| HLA40402    | 39.4 (1000)    | 39.4 (1000)    | 16.5 (420)     | 15.5 (394)     | 35.6 (905) x 15.9 (405)              | L_40402BP             |
| HLA40502    | 39.4 (1000)    | 49.2 (1250)    | 16.5 (420)     | 15.5 (394)     | 35.6 (905) x 15.9 (405)              | L_40503BP             |
| HLA50402    | 49.2 (1250)    | 39.4 (1000)    | 16.5 (420)     | 15.5 (394)     | 45.5 (1155) x 15.9 (405)             | L_50402BP             |
| HLA60502    | 59.0 (1500)    | 49.2 (1250)    | 16.5 (420)     | 15.5 (394)     | 57.8 (1467) x 15.9 (405)             | L_60502BP             |
| HLS30402    | 29.5 (750)     | 39.4 (1000)    | 12.6 (320)     | 11.6 (295)     | 25.8 (655) x 15.9 (405)              | L_30402BP             |
| HLS40402    | 39.4 (1000)    | 39.4 (1000)    | 12.6 (320)     | 11.6 (295)     | 35.6 (905) x 15.9 (405)              | L_40402BP             |
| HLS40502    | 39.4 (1000)    | 49.2 (1250)    | 12.6 (320)     | 11.6 (295)     | 35.6 (905) x 15.9 (405)              | L_40503BP             |
| HLS50402    | 49.2 (1250)    | 39.4 (1000)    | 12.6 (320)     | 11.6 (295)     | 45.5 (1155) x 15.9 (405)             | L_50402BP             |

SUBSTITUTE "A" FOR METAL BACKPLATES; "P" FOR NON-METALLIC BACKPLATES

METAL BACKPLATE THICKNESS:  
SIZES 2020 & 2030 ARE .078[2mm]  
ALL OTHER SIZES ARE .098[2.5mm]

NON-METALLIC BACKPLATE THICKNESS:  
SIZES 2020 & 2030 ARE .157[4mm]  
ALL OTHER SIZES ARE .197[5mm]

|                                             |  |             |                  |                                              |                  |
|---------------------------------------------|--|-------------|------------------|----------------------------------------------|------------------|
| TITLE <b>HIMEL HLS &amp; HLA ENCLOSURES</b> |  | DRN<br>DPR  | DATE<br>12/17/02 | PART NO:<br><b>SEE CHART</b>                 | REV.<br><b>C</b> |
| <b>LAMSON &amp; SESSIONS</b>                |  | APP.<br>EGH | DATE<br>12/18/02 | DRAWING NO:<br><b>AC04081</b><br>SHT. 2 OF 2 |                  |

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