

D0900541_AdlIGO_AOS_Faraday Isolator Upper Blade-v2, PART PDM REV: X-004, DRAWING PDM REV: X-007

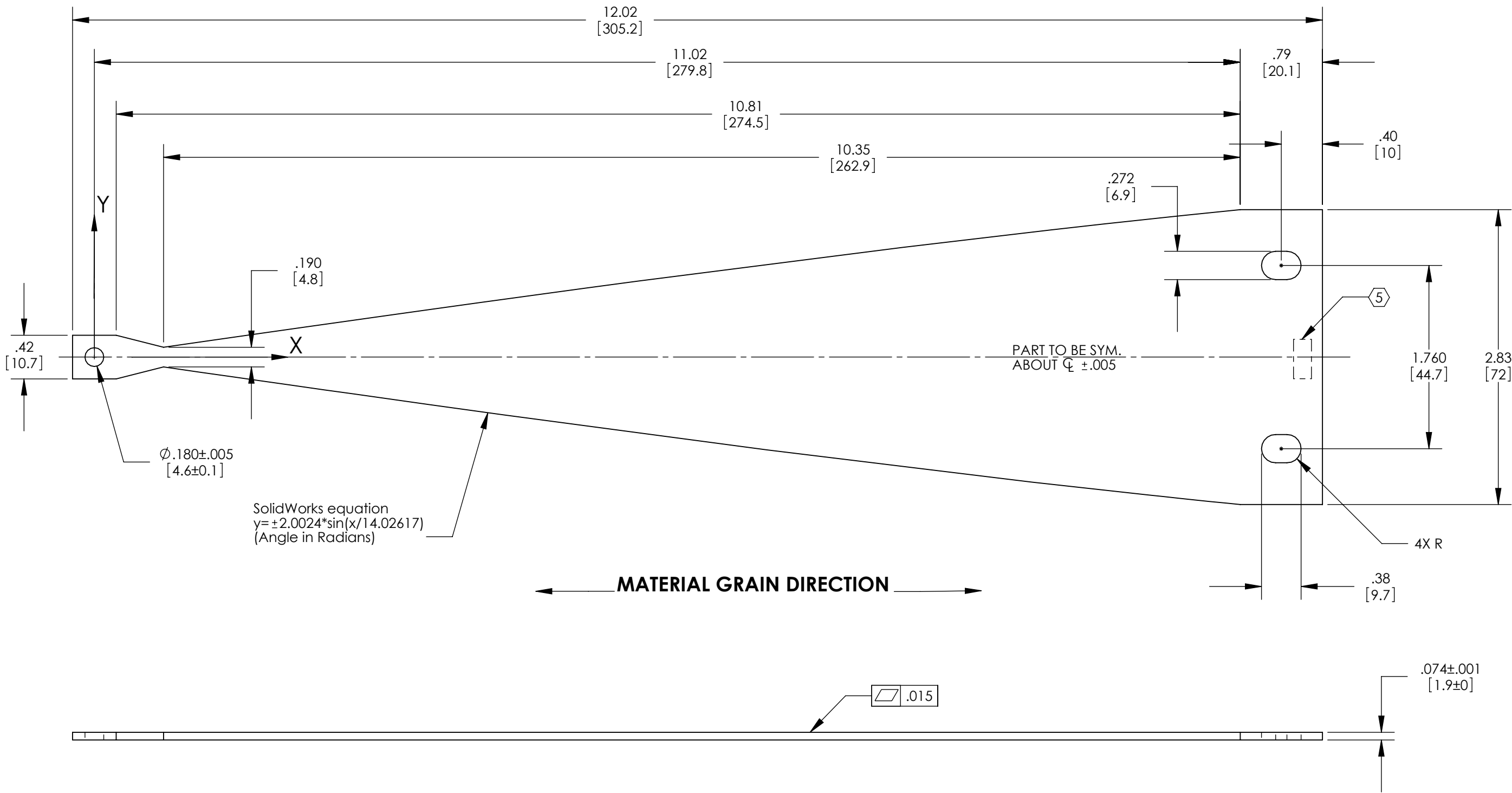
8 7 6 5 4 3 2 1

NOTES CONTINUED:
5. SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER AND REVISION ON NOTED SURFACE FOLLOWED ON THE NEXT LINE BY A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE .07" HIGH CHARACTERS. EXAMPLE: DXXXXXX-VY, S/N 001. A VIBRATORY TOOL MAY BE USED.

6. FABRICATE PER BLADE PROCESS SPECIFICATION, LIGO-E0900023-v9.

7. ELECTROPOLISH < 0.0005

| REV. | DATE | DCN # | DRAWING TREE # |
|------|-------------|----------|----------------|
| v1 | 14 Jul 2009 | E0900203 | |
| v2 | 01 Oct 2010 | | |



| NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) | | | | LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY | | PART NAME | |
|--|--|--|--|---|--|----------------|--|
| DIMENSIONS ARE IN INCHES. | | | | ADVANCED LIGO | | FI UPPER BLADE | |
| TOLERANCES: .XX ± .01 .XXX ± .005 | | | | SUB-SYSTEM AOS | | SIZE DWG. NO. | |
| ANGULAR ± .5° | | | | NEXT ASSY D0900570 | | B D0900541 | |
| MATERIAL MARAGING STEEL C250 | | | | FINISH 63 μinch | | REV. v2 | |
| | | | | DESIGNER N.Nguyen | | SCALE: 1:1 | |
| | | | | DRAFTER K. Mailand | | PROJECTION: | |
| | | | | CHECKER C. Torrie | | SHEET 1 OF 2 | |
| | | | | APPROVAL | | | |

8 7 6 5 4 3 2 1

D0900541_AcLIGO_AOS_D0900570_Faraday Isolator Upper Blade-v2, PART PDM REV: X-004, DRAWING PDM REV: X-007

8 7 6 5 4 3 2 1

D

D

C

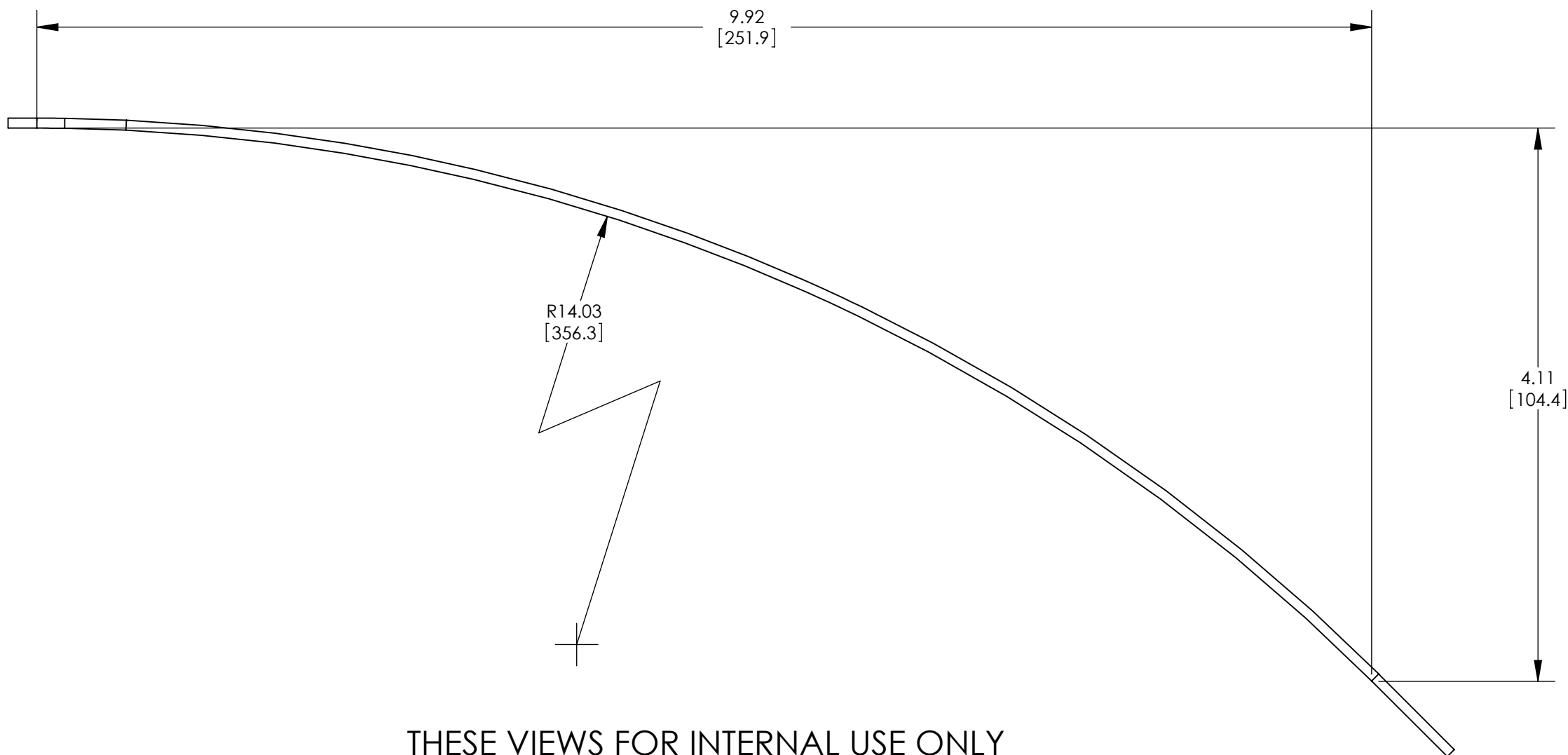
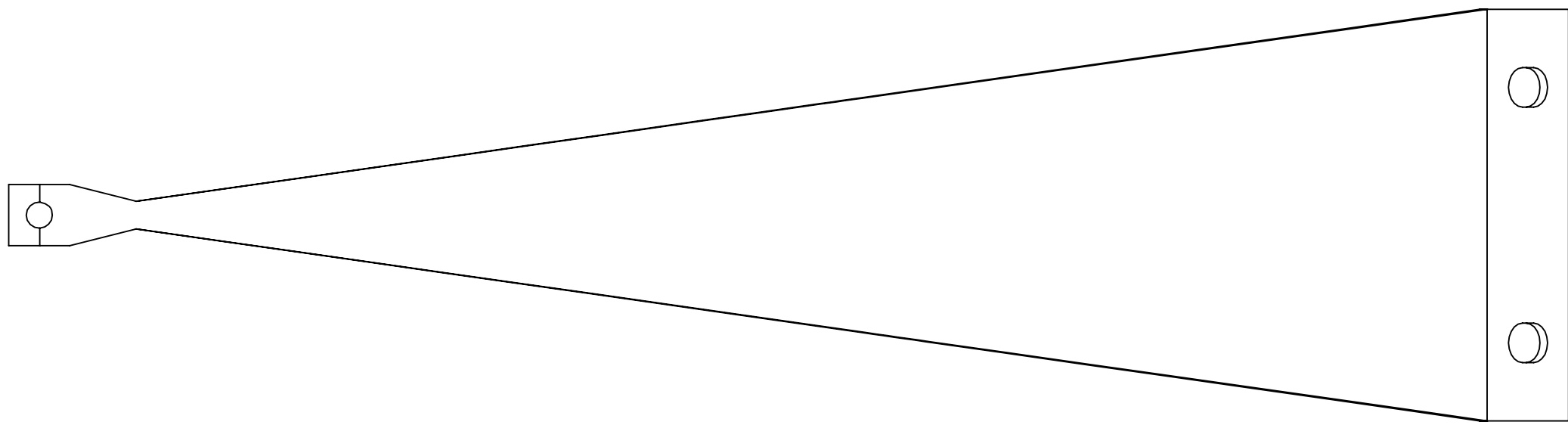
C

B



B

A

A



THESE VIEWS FOR INTERNAL USE ONLY

| | |
|---|----------------------|
|  CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY | |
| SIZE B | DWG. NO. D0900541 |
| SCALE: 1:2 | REV. v2 |
| PROJECTION:  | SHEET 2 OF 2 |

8 7 6 5 4 3 2 1