



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DCN No. E990405-00-D

SHEET 1 OF 1

DOCUMENT CHANGE NOTICE (DCN)

DOCUMENT No. (DOC-REV-GP. ID)	TITLE	NEW REV.
D990485-00-D	Stand, Little Beam Dumps	A
D990486-00-D	Glass Beam Dump, 3 x 3	A
D990487-00-D	Glass Beam Dump, 2 x 4	A
D990488-00-D	Glass Beam Dump, 3 x 6	A
D990489-00-D	Glass Beam Dump, 3.5 x 10	A

D990490-00-D Little Beam Dump Assemblies A

CHANGE DESCRIPTION (FROM/TO):

INITIAL RELEASE

*Electronically
 Submitted 11-9-99*

REASON FOR CHANGE: n/a

ACTION: Incorporate change Attach DCN to drawing(s) Other action (specify):

DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS)

DCN DISTRIBUTION (X=incl. docs)

- No hardware affected (record change only)
- List S/Ns which comply already:
- List S/Ns to be reworked or scrapped:
- List S/Ns to be built with this change:
- List S/Ns to be retested per this change:
-
-
-

Althouse	Barish	Coles
X Coyne	Lazarini	Lindquist
Raab	Sanders	Shoemaker
Stapfer	Tyler	Weiss
Whitcomb	Scislawicz	
Bork		Zucker
Barton		Mason
Camp		Jones
Fine		
X Romie		

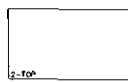
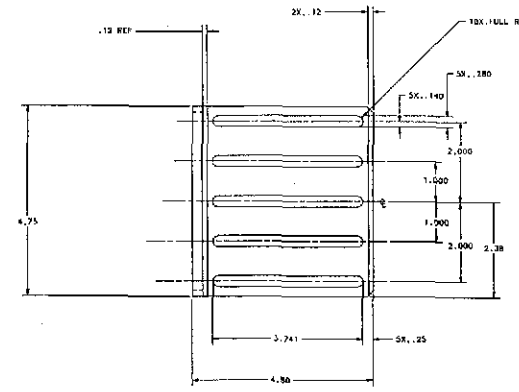
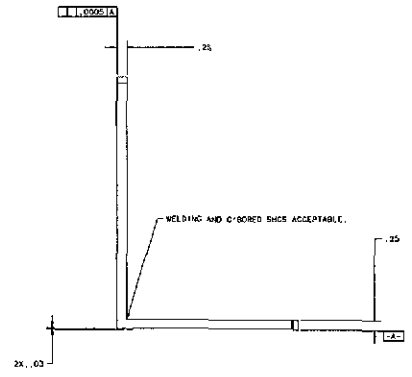
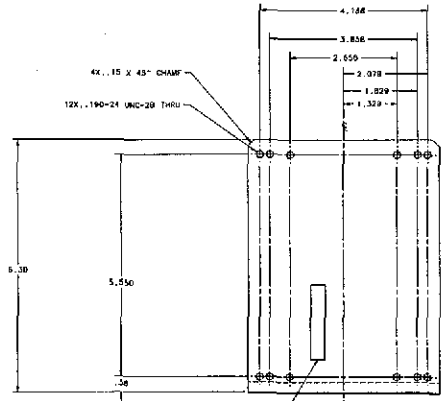
SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT? No Yes (If yes, enter Change Request number)

APPROVALS:	DATE	OTHER APPROVALS (specify)	DATE
ORIGINATOR: J. Romie <i>JHR</i>	11-9-99		
TASK LEADER: <i>J. Romie</i>	11-9-99		
GROUP LEADER: <i>Frank Jones</i>	11/9/99		
DCC RELEASE: <i>Frank Jones</i>	11-12-99		

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. CUTTING FLUIDS TO BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE, AND SILICONE. STEEL STAMP OR ENGRAVE THE DRAWING PART NUMBER ON NOTED FACE OF PART FOLLOWED BY *S/N* THEN A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS TO START AT 001 FOR FIRST PART AND PROCEED IN A CONSECUTIVE MANNER TO A MAXIMUM OF 999. FOR EACH SUCCEEDING PART PRODUCED USE 0 13 HIGH CHARACTERS. EXAMPLE: D990485-A S/N001

REVISIONS
 A. 1.00001A
 DATE: 8/99
 DRAWN BY: [blank]
 CHECKED BY: [blank]
 APPROVED BY: [blank]
 TITLE: [blank]
 PART NUMBER: D990485-11111M RELEASE



ELECTRONIC COPY

REV	DATE	BY	CHKD	APP'D
1.00001A	8/99	[blank]	[blank]	[blank]

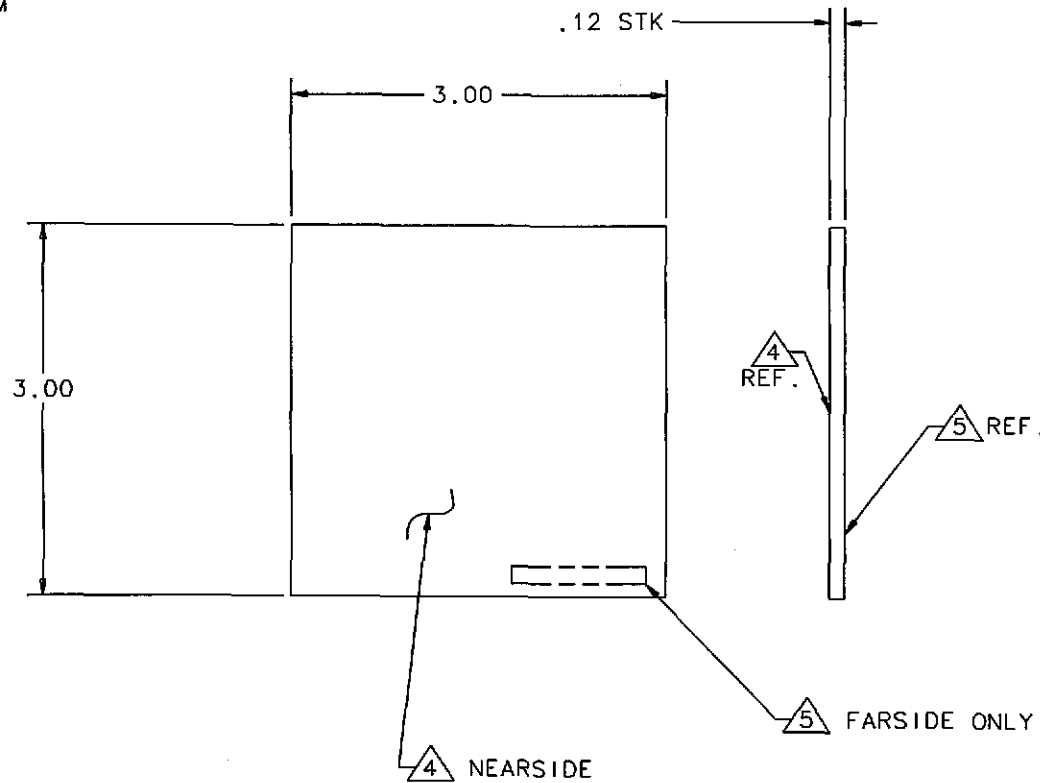
APPROVALS	DATE	TITLE
[Signature]	8/99	DESIGNER
[Signature]	8/99	CHECKER
[Signature]	8/99	APPROVER

PART NUMBER: D990485-11111M RELEASE TITLE: [blank] FILE NUMBER: [blank]	PART NAME: 8081-16 ALUM JIG PLATE, 1/4" THICK DATE: 8/99 DRAWN BY: [blank]	PROJECT: STANFORD LITTLE BEAM DUMPS PART NUMBER: D990485 SHEET: 1 OF 1
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NOTES: (UNLESS OTHERWISE SPECIFIED)

- 1 ALL ABRASIVE CUTTING TO BE DONE FROM NEAR SIDE.
- 2 GLASS TO BE COVERED BY VINYL MASK ON NEAR SIDE PRIOR TO START OF MACHINING.
- 3 MAKE FROM #12 WELDERS FILTER GLASS (SCHOT) .12" THICK
- 4 AR COAT ONE SIDE OF GLASS PLATE $R < 0.5\%$ FROM 600nm TO 1100nm.
- 5 ENGRAVE OR ETCH PART, WHERE NOTED, WITH DRAWING NUMBER FOLLOWED BY THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS TO START AT 001 AND PROCEED IN A CONSECUTIVE MANNER TO A MAXIMUM OF 999, IN ORDER PRODUCED.
EXAMPLE: D990XXX-A-001

REV	DATE	DRAWN BY	CHECKED	QCC	DCN/DESCRIPTION
A	11-9-99	J. Romie			E990405/INITIAL RELEASE



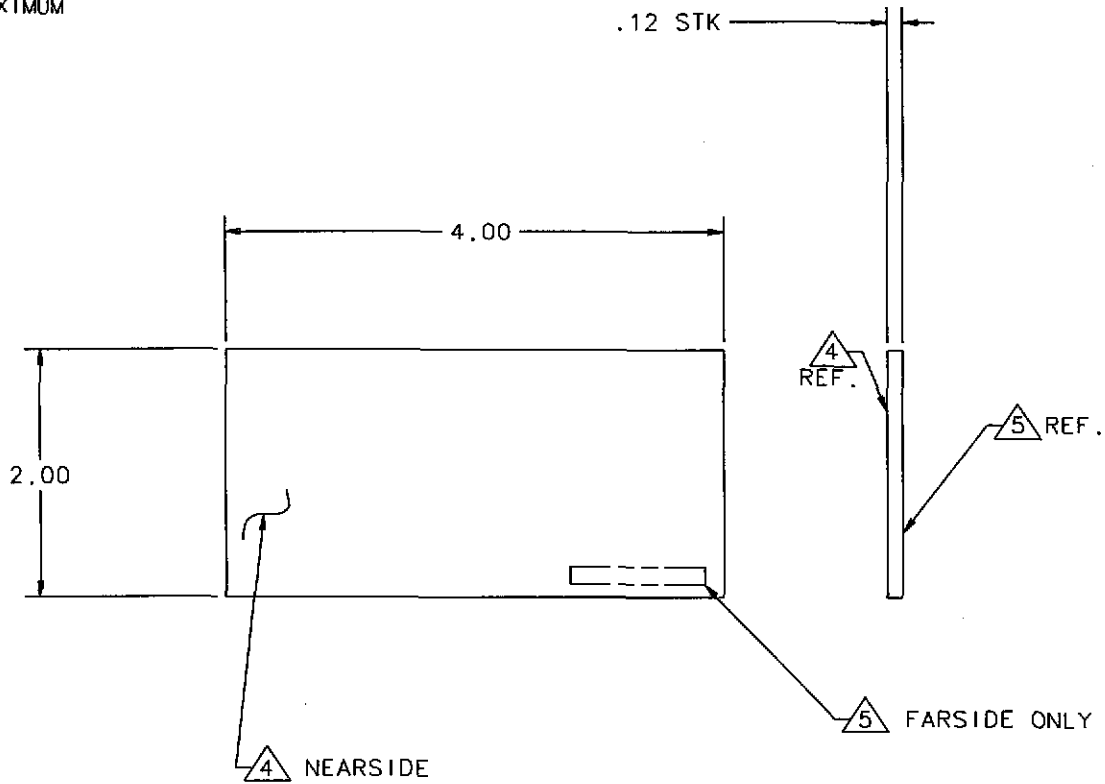
ELECTRONIC COPY

NEXT ASSEMBLY D990490
FILE LOCATION /Home/Doc/Docs/D990486.pdf

QTY REQD	FROM NO	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS		APPROVALS		DATE	
0.XX-+.00 -.03		DRAWN J. Romie		8/99	
DO NOT SCALE DRAWING		CHECKED		TITLE	
MATERIAL		SCALE		LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY GLASS BEAM DUMP, 3 x 3	
FINISH		SIZE		D990486	
		B		REV. A	
		SCALE 1/1		SHEET 1 OF 1	

- NOTES: (UNLESS OTHERWISE SPECIFIED)
- 1 ALL ABRASIVE CUTTING TO BE DONE FROM NEAR SIDE.
 - 2 GLASS TO BE COVERED BY VINYL MASK ON] NEAR SIDE PRIOR TO START OF MACHINING.
 - 3 MAKE FROM #12 WELDERS FILTER GLASS (SCHOT) .12" THICK
 - 4 AR COAT ONE SIDE OF GLASS PLATE $R < 0.5\mu$ FROM 600nm TO 1100nm.
 - 5 ENGRAVE OR ETCH PART, WHERE NOTED, WITH DRAWING NUMBER FOLLOWED BY THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS TO START AT 001 AND PROCEED IN A CONSECUTIVE MANNER TO A MAXIMUM OF 999, IN ORDER PRODUCED.
EXAMPLE: D990XXX-A-001

REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	11-9-99	J. Romie			E990405/INITIAL RELEASE



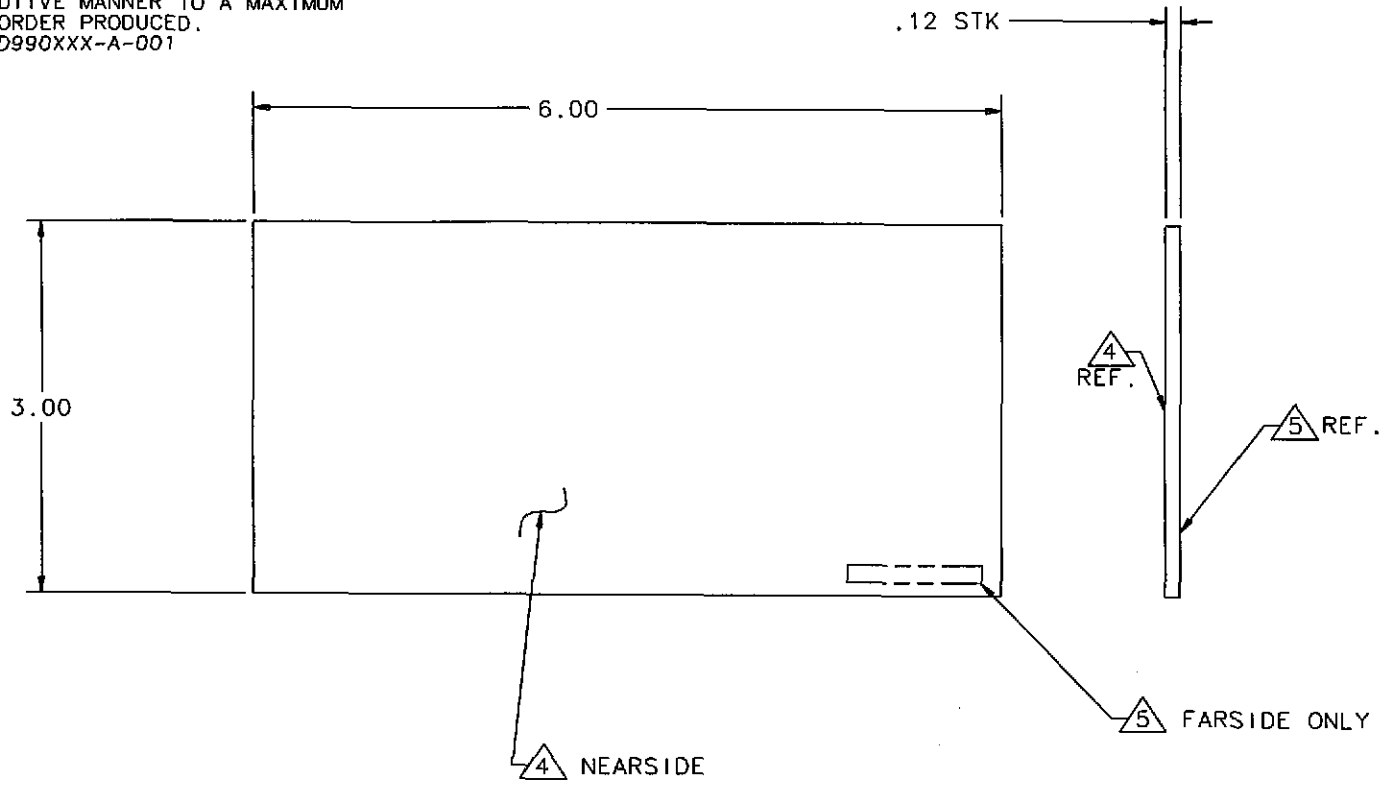
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PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:			APPROVALS	DATE	
FRACTIONS DECIMALS			DRAWN	J. Romie	8/99
0.XX = +.00			CHECKED		
-.03					
DO NOT SCALE DRAWING					
MATERIAL					
FINISH					
NEXT ASSEMBLY					
D990490					
FILE LOCATION					
/rnm/ssl/dcc/d990487.pdf					
			LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
			TITLE		
			GLASS BEAM DUMP, 2 x 4		
			SIZE		
			B		
			DWG NO. D990487		
			REV. A		
			SCALE 1/1		
			SHEET 1 OF 1		

NOTES: (UNLESS OTHERWISE SPECIFIED)

- 1 ALL ABRASIVE CUTTING TO BE DONE FROM NEAR SIDE.
- 2 GLASS TO BE COVERED BY VINYL MASK ON NEAR SIDE PRIOR TO START OF MACHINING.
- 3 MAKE FROM #12 WELDERS FILTER GLASS (SCHOT) .12" THICK
- 4 AR COAT ONE SIDE OF GLASS PLATE $R < 0.5\%$ FROM 600nm TO 1100nm.
- 5 ENGRAVE OR ETCH PART, WHERE NOTED, WITH DRAWING NUMBER FOLLOWED BY THREE DIGIT SERIAL NUMBER, SERIAL NUMBERS TO START AT 001 AND PROCEED IN A CONSECUTIVE MANNER TO A MAXIMUM OF 999, IN ORDER PRODUCED.
EXAMPLE: D990XXX-A-001

REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	11-9-99	J. Romie			E990405/INITIAL RELEASE



ELECTRONIC COPY

QTY REQD	FROM NO	PART OR IDENTIFYING NO	MANUFACTURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:			APPROVALS	DATE	
FRACTIONS DECIMALS			DRAWN	J. Romie	8/99
0.XX-.00			CHECKED		
.03			TITLE		
DO NOT SCALE DRAWING			LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
MATERIAL			GLASS BEAM DUMP, 3 x 6		
FINISH			SIZE	DCN NO.	REV.
/home/dcc/docs/D990405.pdf			B	D990488	A
			SCALE	SHEET 1 OF 1	
			1/1		

1

2

3

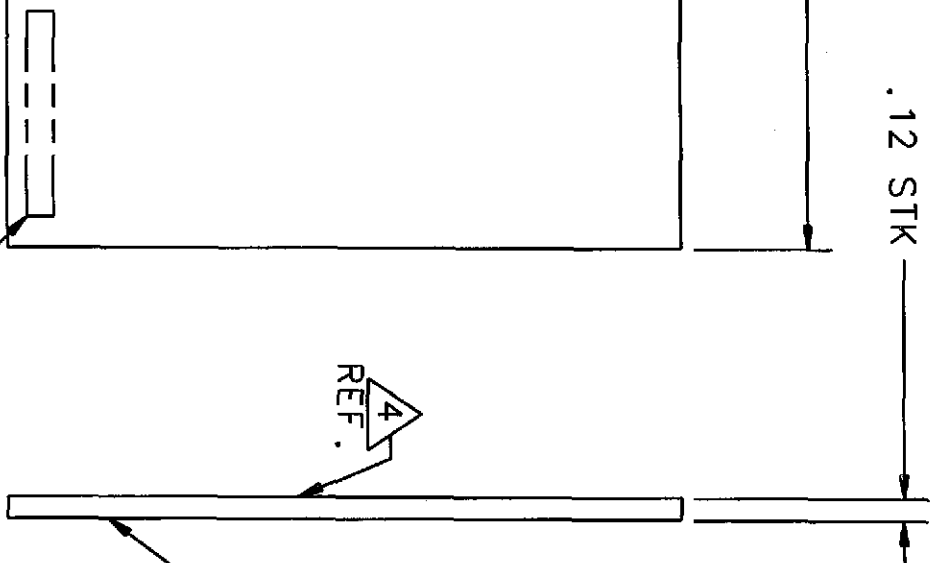
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REV	DATE	DRAWN BY	CHECKED	DCC	DCN/DESCRIPTION
A	11-9-99	J. Romie			E990405/INITIAL RELEASE

2

4

.12 STK



**ELECTRONIC
COPY**

5 FARSIDE ONLY

QTY	REQD	PSCM NO	PART OR IDENTIFYING NO	NAME/CLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO
PARTS LIST						

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS

0.XX-.+.00

APPROVALS	DATE
Checked J. Romie	8/99

DO NOT SCALE DRAWING

MATERIAL

FINISH



LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

TITLE
GLASS BEAM DUMP, 3.5 X 10

SIZE B DWG NO. D990489

SCALE 1/1 SHEET 1 OF 1

NEXT ASSEMBLY D990490

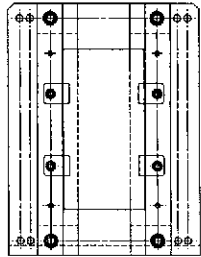
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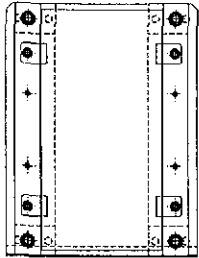
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NOTES: (UNLESS OTHERWISE SPECIFIED)

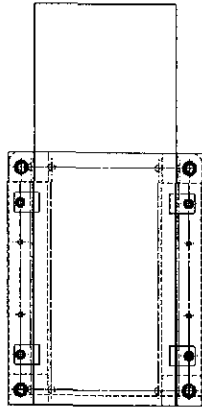
1. ANY OF THE PIECES OF GLASS,
ITEMS 4,5,6 AND 7 MAY BE USED
WITH THE SPECIFIED HARDWARE.



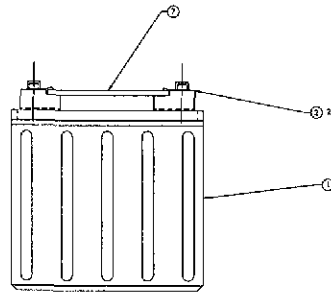
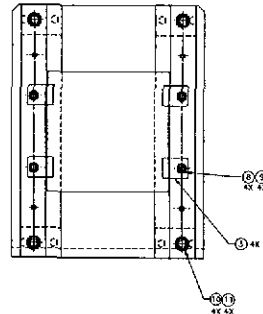
BEAM DUMP ASSEMBLY
WITH 2" X 4" GLASS



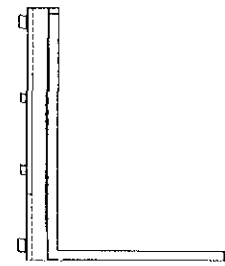
BEAM DUMP ASSEMBLY
WITH 3" X 6" GLASS



BEAM DUMP ASSEMBLY
WITH 3.5" X 10" GLASS



BEAM DUMP ASSEMBLY
WITH 3" X 3" GLASS



**ELECTRONIC
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ITEM NO.	DESCRIPTION	QTY	MATERIAL	UNIT PRICE	TOTAL PRICE
4	I-C COMPONENTS PERV-10	130	316 SS 1/4" OD, 0.125" THK W/ISO FL WAFR	STAINLESS STEEL	130
4	W/MASTER CARB PERV-040	110	710-24 X .15 LONG SICKS	STAINLESS STEEL	110
4	I-C COMPONENTS PERV-06	143	1/4" DIA 1/8" DIA 1/8" W/ISO FL WAFR	STAINLESS STEEL	143
4	W/MASTER CARB PERV-041	16	1/4" X .15 LONG SICKS	STAINLESS STEEL	16
3	D992485	3	GLASS BEAM DUMP, 3 X 3		7
REF	D992487	3	GLASS BEAM DUMP, 3 X 4		6
REF	D992488	3	GLASS BEAM DUMP, 3 X 6		5
REF	D992489	3	GLASS BEAM DUMP, 3.5 X 10		4
4	D992485	3	CLIP		3
3	D992484	3	STND, LITTLE BEAM DUMPS		3
1	D992485	1	STAND, LITTLE BEAM DUMPS		1

APPROVALS	DATE	BY

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
LITTLE BEAM DUMP ASSEMBLIES
D990490

FILE NUMBER: /how/arc/assy/D990490.dwg
 DATE: 5/2/99
 PAGE 1 OF 1