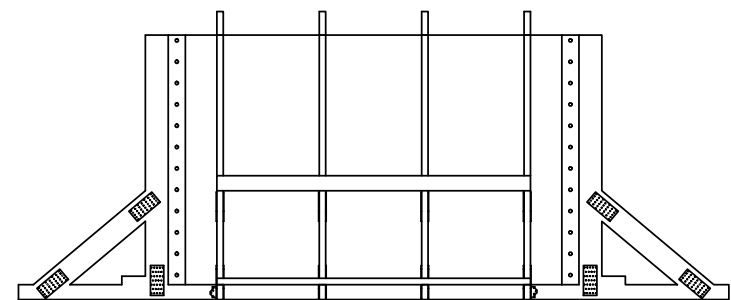
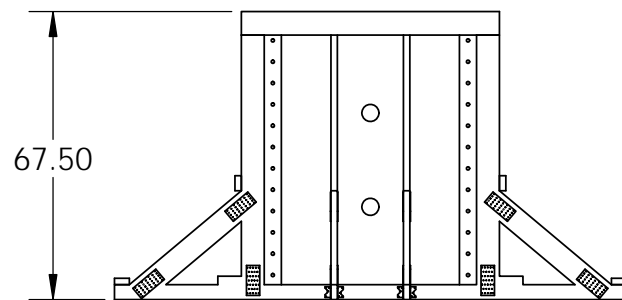


L-BRACKET 58.5" LONG (X4)



PROPRIETARY AND CONFIDENTIAL

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DIMENSIONS ARE IN INCHES
THIRD ANGLE PROJECTION

MATERIAL: VARIES

SOLAR ROCKS

DEFAULT TOLERANCES:

LINEAR:
X. \pm .25
X.X \pm .1
X.XX \pm .01
X.XXX \pm .002

ANGULAR:
X. \pm 2
X.X \pm 1
X.XX \pm 0 30'

DESCRIPTION: COMPLETE CHAMBER ASSEMBLY

CHECKED BY: XXXXXXXXXX

DATE: XX/XX/XX

DRAWN BY: JAKOB HEMPHILL

DATE: 2/25/2019

FILE NAME: (0-00) Full assembly.SLDPRT

**UNIVERSITY OF IDAHO
ME DEPARTMENT**

PART #: 0-00

QTY: 1

SCALE: 1:45


SHEET: 1 OF 15

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1-00	Inner cement lining assembly	1
2	2-00	Outer plywood structure assembly	1
4	3-00	Support structure assembly	1
5	4-00	Roofing structure assembly	1

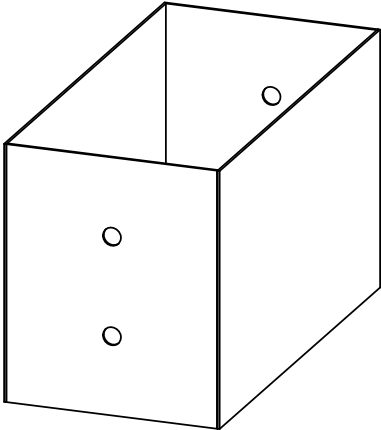
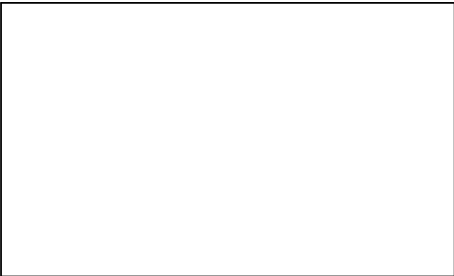
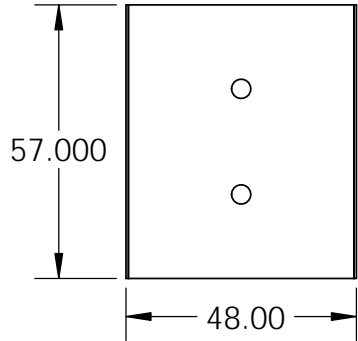
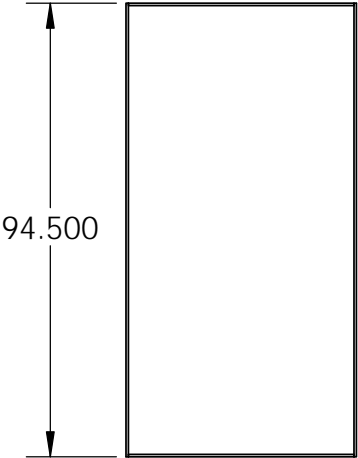
TOTAL PURCHASE LIST					
PART NO:	SUB-ASSEMBLY NO:	DESCRIPTION	PRICE PER UNIT	UNITS	TOTAL
001	1-00,4-00	CEMENT SHEETS (3'x5'x1/2")	12.49	14	174.86
002	2-00,4-00	CDX PLYWOOD SHEETS (4'x8'x3/4")	26.12	8	208.96
003	3-00	NO:2 2"X4"X10' BOARDS	3.52	7	24.64
004	3-00	NO:2 2"X4"X12' BOARDS	4.22	2	8.44
005	3-00	NO:2 2"X4"X14' BOARDS	4.82	2	9.64
006	3-00	NO:2 2"X6"X8' BOARDS	4.06	6	24.36
007	3-00	NO:2 2"X6"X10' BOARDS	5.07	9	45.63
008	0-00	L-BRACKETS 58.50" LONG	---	4	0
009	3-00	3-1/8"X7" TIE PLATE	1.16	73	84.68
010	3-00	Z-MAX FRAMING ANGLE	0.80	33	26.4
			TOTAL COST:		607.61


NOTE: DUE TO WIDE VARIETY OF QUANTITY, PRICE, AND PREFERENCE, FASTENERS SUCH AS NAILS AND SCREWS ARE NOT INCLUDED IN THIS PURCHASE LIST. PLEASE MAKE APPLICABLE CALCULATIONS TO DETERMINE QUANTITY AND TYPE OF FASTENERS DESIRED.

NOTE: TOTAL PURCHASE LIST CONTAINS EXTRA MATIERIAL IN CASE OF ERROR.

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MATERIAL: N/A					
DEFAULT TOLERANCES: LINEAR: X.±.25 X.X±.1 X.XX±.01 X.XXX±.002		DESCRIPTION: PARTS LIST CHECKED BY: XXXXXXXXXX DATE: XX/XX/XX		UNIVERSITY OF IDAHO ME DEPARTMENT	
ANGULAR: X.±.2 X.X±.1 X.XX±.0 30'		DRAWN BY: JAKOB HEMPHILL DATE: 2/25/2019		PART #:	0-00
FILE NAME: (0-00) Full assembly.SLDPR		SCALE: 1:45		QTY:	N/A
				SHEET: 2 OF 15	

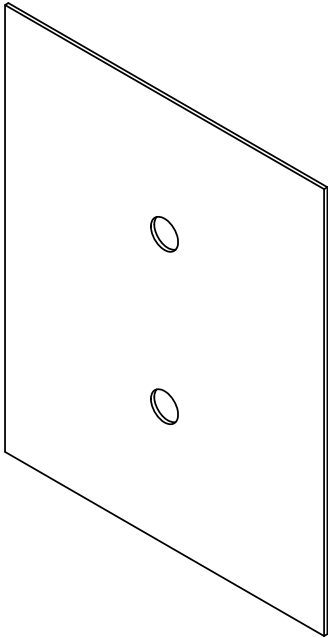
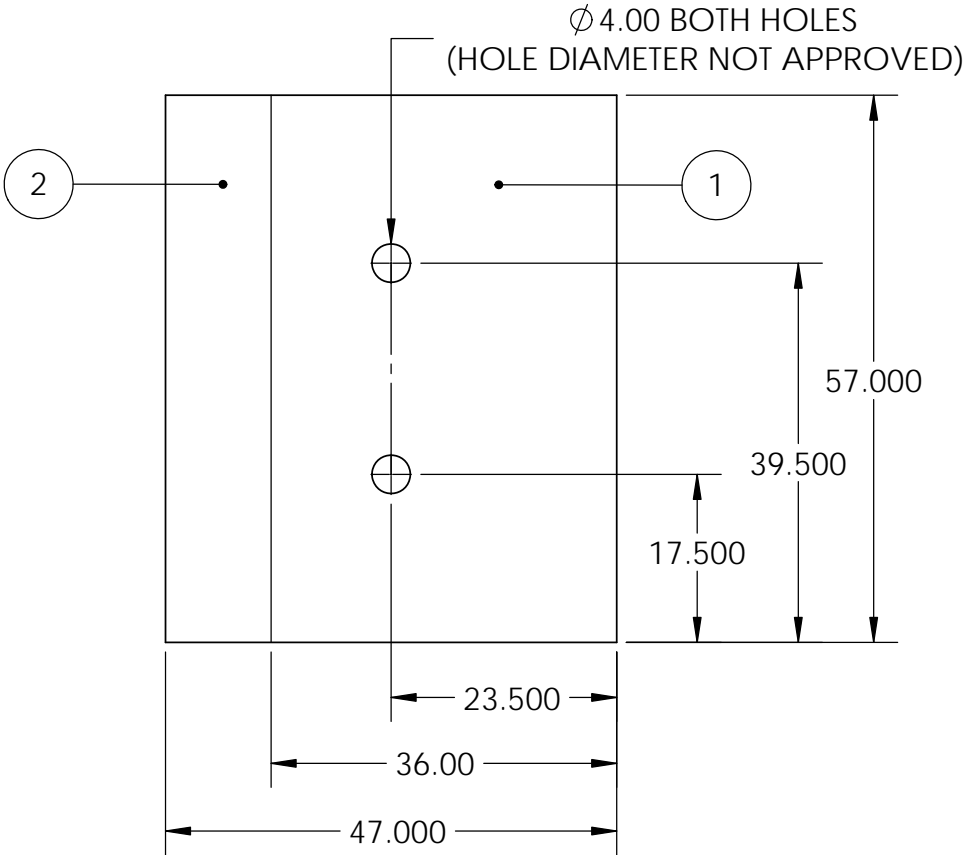
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1-01	cement board ends	2
2	1-02	cement board sides	2
3	1-03	cement board bottom	1




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		MATERIAL: CEMENT WALL BOARD			
DEFAULT TOLERANCES:		DESCRIPTION: INNER CEMENT INSULATION ASSEMBLY		<div>UNIVERSITY OF IDAHO</div> <div>ME DEPARTMENT</div>	
LINEAR: X. ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		CHECKED BY: XXXXXXXXXXXX DATE: XX/XX/XX DRAWN BY: JAKOB HEMPHILL DATE: 2/25/2019 FILE NAME: (0-00) Full assembly.SLDPRT			
ANGULAR: X. ± 2 X.X ± 1 X.XX ± 0.30'				PART #: 1-00	QTY: 1
				SCALE: 1:40	SHEET: 3 OF 15

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	001	cement board (3'X5'X1/2")	2

NOTE: BALOONS INDICATE THE BOARDS USED AND THE TOTAL NUMBER OF BOARDS .

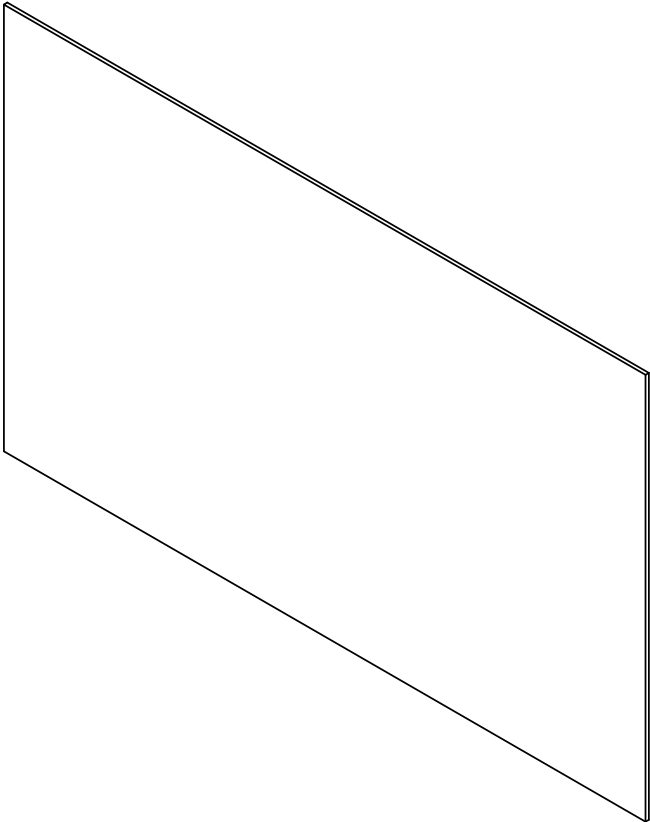
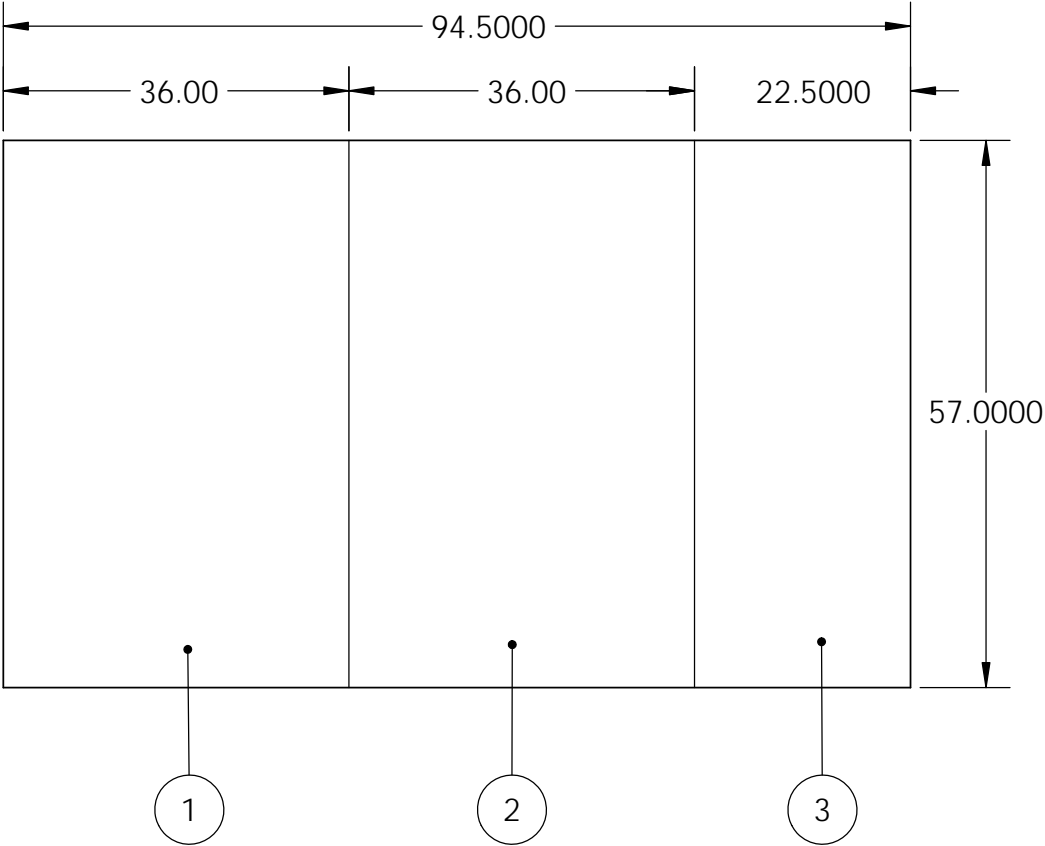


FOR CONSTRUCTION: TAKE TWO CEMENT BOARDS, CUT TO SIZE THEN DRILL PIPING HOLE IN CENTER. ATTACH EACH BAORD TO CORRECT LOCATION ON PLYWOOD BACKING.

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		MATERIAL: CEMENT BOARD			
DEFAULT TOLERANCES:		DESCRIPTION: INNER CEMENT INSULATION ENDS		<div>UNIVERSITY OF IDAHO</div> <div>ME DEPARTMENT</div>	
LINEAR: X.±.25 X.X±.1 X.XX±.01 X.XXX±.002		CHECKED BY: XXXXXXXXXXXX DATE: XX/XX/XX DRAWN BY: JAKOB HEMPHILL DATE: 2/25/2019 FILE NAME: (0-00) Full assembly.SLDPRT			
ANGULAR: X.±2 X.X±1 X.XX±0.30'				PART #: 1-01	QTY: 2
				SCALE: 1:20	SHEET: 4 OF 15

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	001	cement board (3'X5'X1/2")	2(1)

NOTE: BALOONS INDICATE THE BOARDS USED AND THE TOTAL NUMBER OF BOARDS.
 NUMBERS IN PARENTHESIS INDICATE MATERIAL USED FROM SPARE MATERIAL.

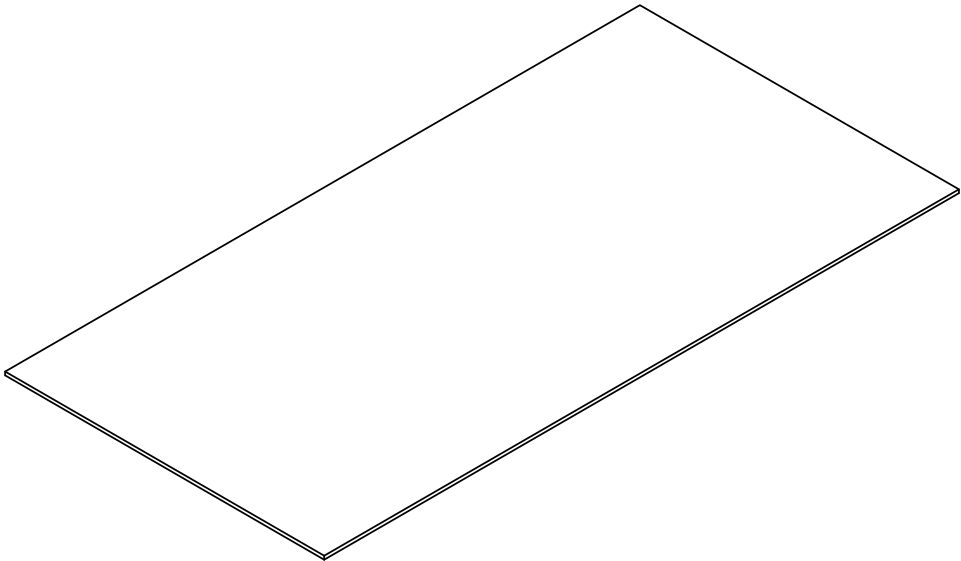
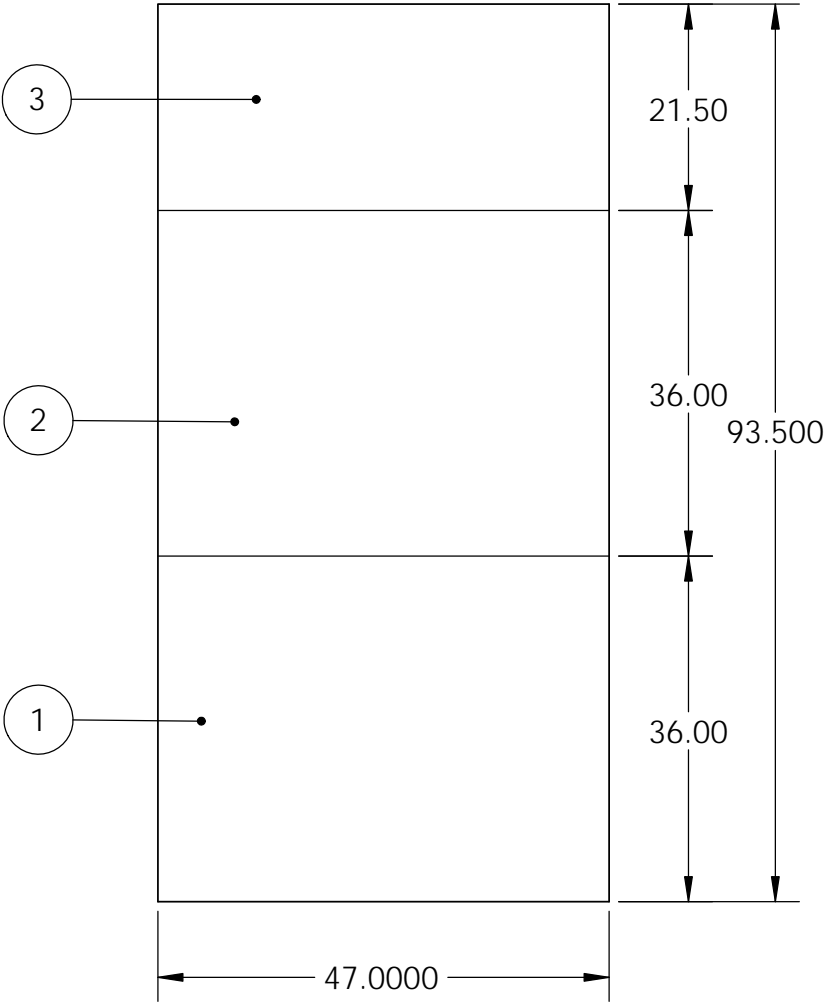


FOR CONSTRUCTION: CUT FIRST TWO BOARDS TO APPLICABLE SIZE. TAKE SPARE SECTION FROM END AND CUT TO SIZE. PLACE THE BOARDS IN CORRECT POSITIONS SHOWN ABOVE AND ATTACH TO APPLICABLE PLYWOOD BACKING.


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DEFAULT TOLERANCES: LINEAR: X ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		ANGLAR: X ± 2 X.X ± 1 X.XX ± 0.30°		MATERIAL: CEMENT BOARD	
DESCRIPTION: INNER CEMENT INSULATION SIDES		CHECKED BY: XXXXXXXXXX		DATE: XX/XX/XX	
DRAWN BY: JAKOB HEMPHILL		DATE: 2/25/2019		UNIVERSITY OF IDAHO ME DEPARTMENT	
FILE NAME: (0-00) Full assembly.SLDPR		SCALE: 1:20		PART #: 1-02 QTY: 2	
				SHEET: 5 OF 15	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	001	cement board (3'X5'X1/2")	3

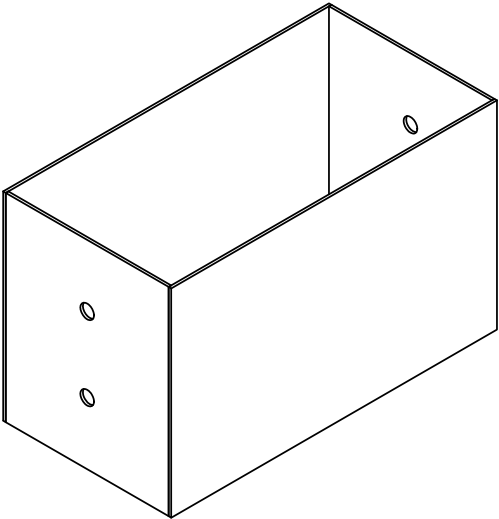
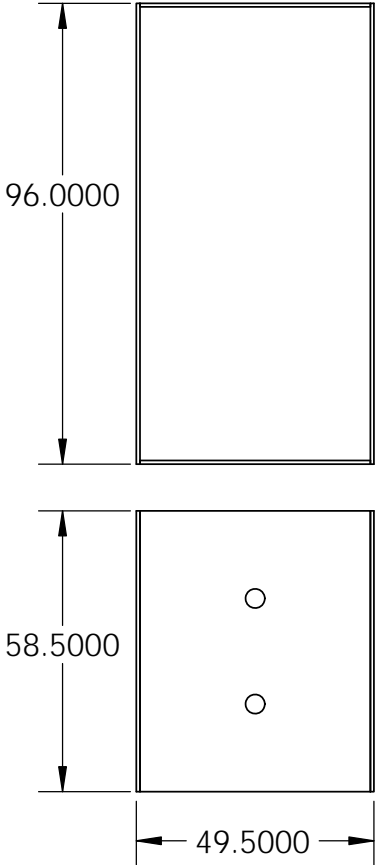
NOTE: BALOONS INDICATE THE BOARDS USED AND THE TOTAL NUMBER OF BOARDS .




FOR CONSTRUCTION: CUT THE THREE BOARDS TO APPLICABLE SIZE. PLACE THE BOARDS IN CORRECT POSITIONS SHOWN ABOVE AND ATTACH TO APPLICABLE PLYWOOD BACKING.

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MATERIAL: CEMENT BOARD					
DEFAULT TOLERANCES:		DESCRIPTION: INNER CEMENT INSULATION BOTTOM		<div>UNIVERSITY OF IDAHO</div> <div>ME DEPARTMENT</div>	
LINEAR: X.±.25 X.X±.1 X.XX±.01 X.XXX±.002		ANGULAR: X.±2 X.X±1 X.XX±0.30'			
CHECKED BY: XXXXXXXXXXXX		DATE: XX/XX/XX		PART #: 1-03	
DRAWN BY: JAKOB HEMPHILL		DATE: 2/25/2019		QTY: 2	
FILE NAME: (0-00) Full assembly.SLDPRT		SCALE: 1:20		SHEET: 6 OF 15	

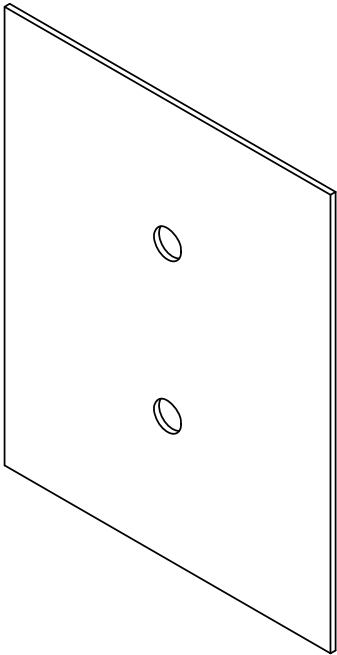
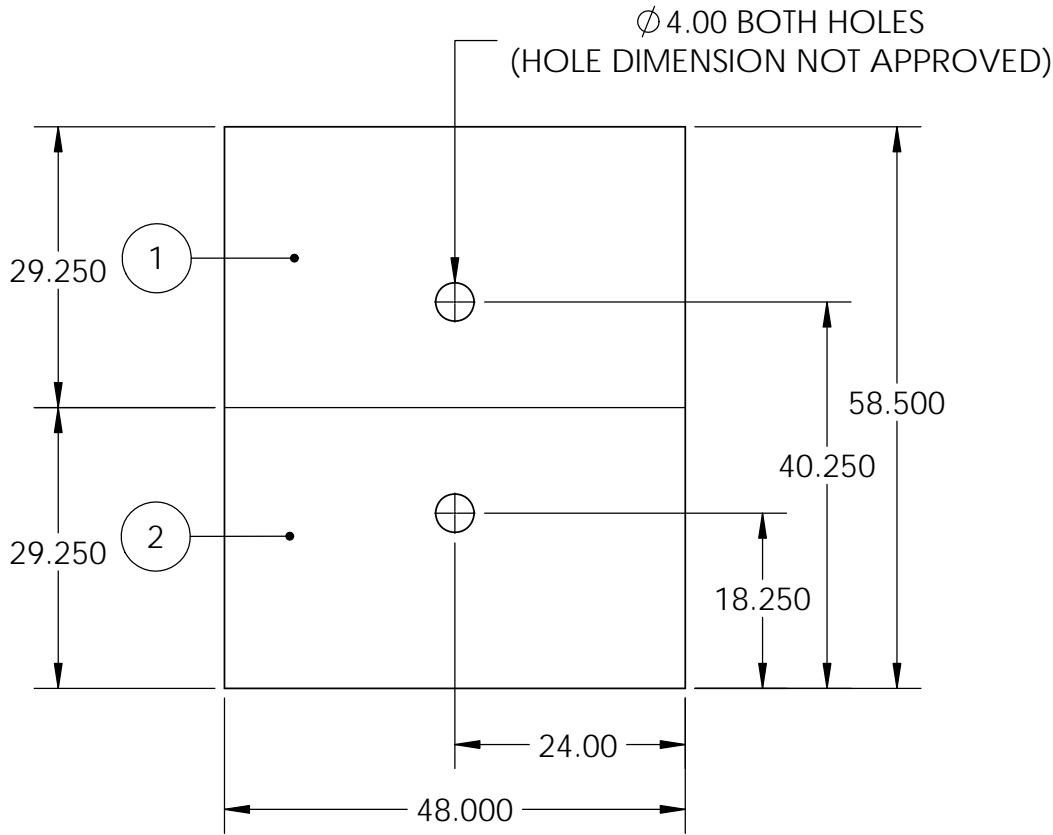
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2-01	plywood structure ends	2
2	2-02	plywood structure sides	2
3	2-03	plywood structure bottom	1



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		MATERIAL: CDX PLYWOOD			
DEFAULT TOLERANCES:		DESCRIPTION: OUTER PLYWOOD STRUCTURE		UNIVERSITY OF IDAHO ME DEPARTMENT	
<div>LINEAR: X. ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002</div>	<div>ANGULAR: X. ± 2 X.X ± 1 X.XX ± 0 30'</div>	CHECKED BY: XXXXXXXXXX	DATE: XX/XX/XX		
		DRAWN BY: JAKOB HEMPHILL	DATE: 2/25/2019	PART #: 2-00	QTY: 1
		FILE NAME: (0-00) Full assembly.SLDPRT		SCALE: 1:40	SHEET: 7 OF 15

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	002	CDX plywood sheet (4'X8'X3/8")	1

NOTE: BALOONS INDICATE THE BOARDS USED AND THE TOTAL NUMBER OF BOARDS .

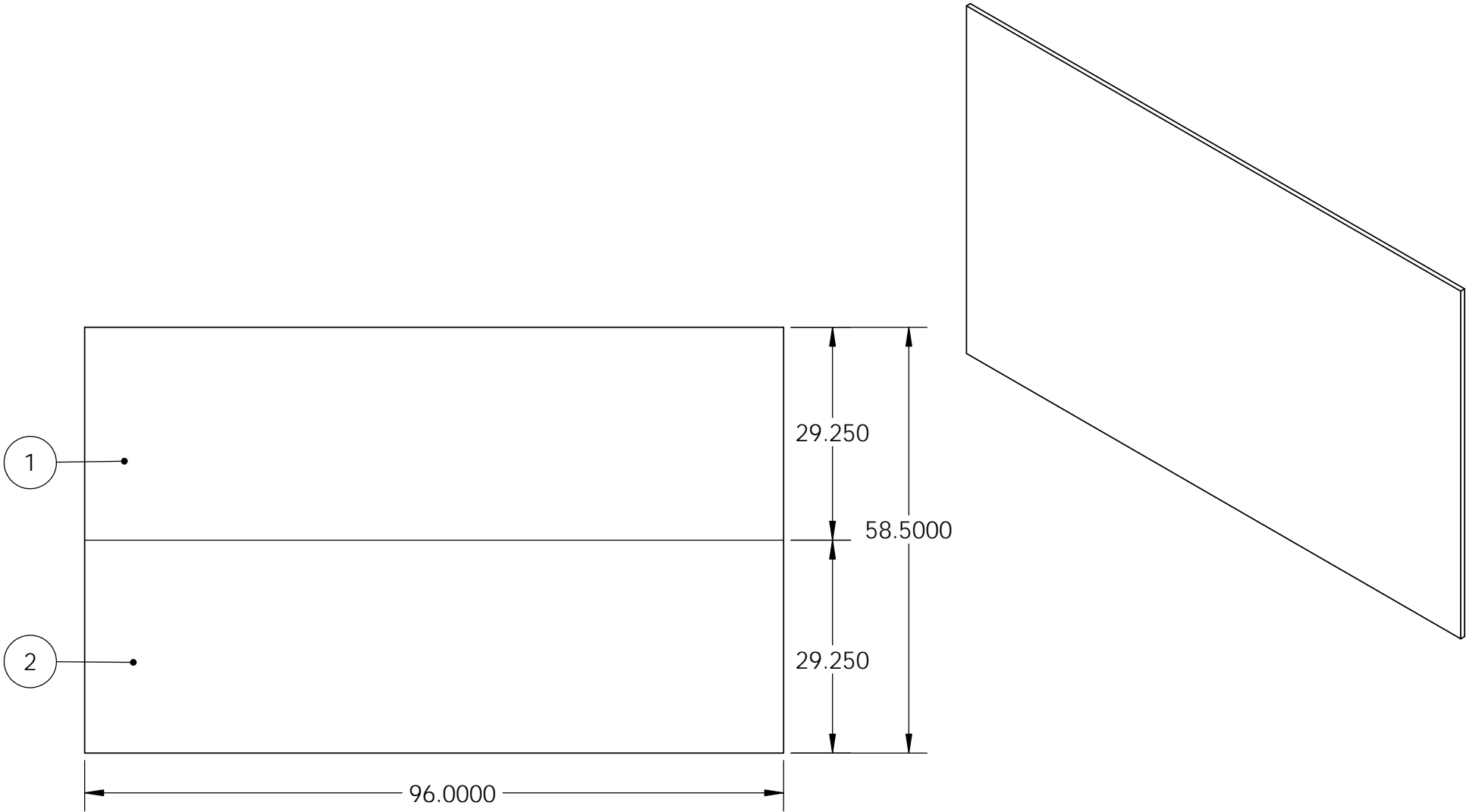


FOR CONSTRUCTION: TAKE ONE PLYWOOD BOARDS, CUT THE 29.25 DIMENSION FIRST THEN, THEN INTO 4 FT LENGTHS. DRILL CENTER HOLES. CUT SO THAT WOOD GRAIN IS ORIENTATED IN A HORIZONTAL FASHION. ATTACH EACH BAORD TO CORRECT LOCATION ON END STRUCTURE

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DEFAULT TOLERANCES: LINEAR: X.±.25 X.X±.1 X.XX±.01 X.XXX±.002		MATERIAL: CDX PLYWOOD		UNIVERSITY OF IDAHO ME DEPARTMENT	
DESCRIPTION: PLYWOOD SUPPORT STRUCTURE ENDS		CHECKED BY: XXXXXXXXXX		DATE: XX/XX/XX	
DRAWN BY: JAKOB HEMPHILL		DATE: 2/25/2019		PART #: 2-01	
FILE NAME: (0-00) Full assembly.SLDPRT		SCALE: 1:20		QTY: 2 SHEET: 8 OF 15	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	002	CDX plywood sheets (4'X8'X3/8")	2

NOTE: BALOONS INDICATE THE BOARDS USED AND THE TOTAL NUMBER OF BOARDS .

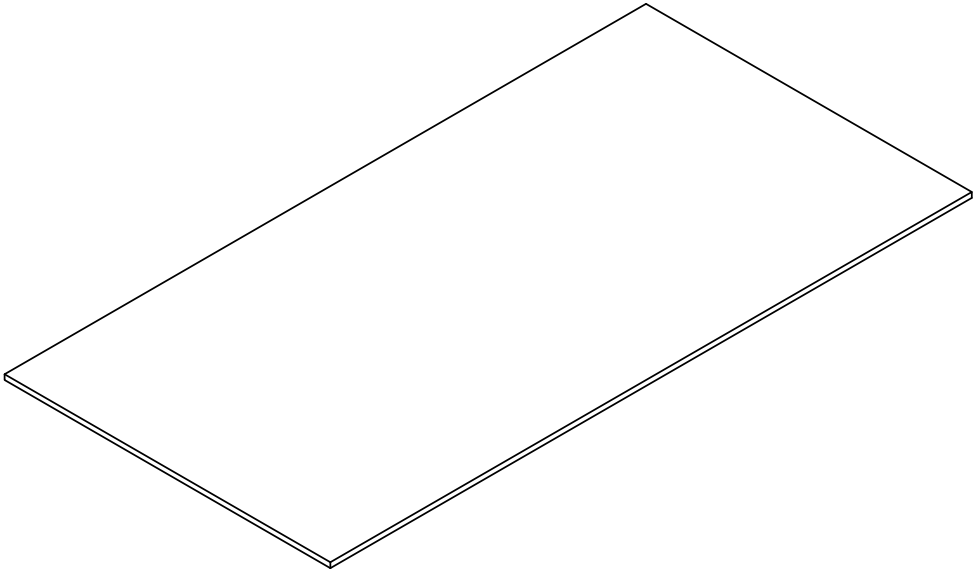
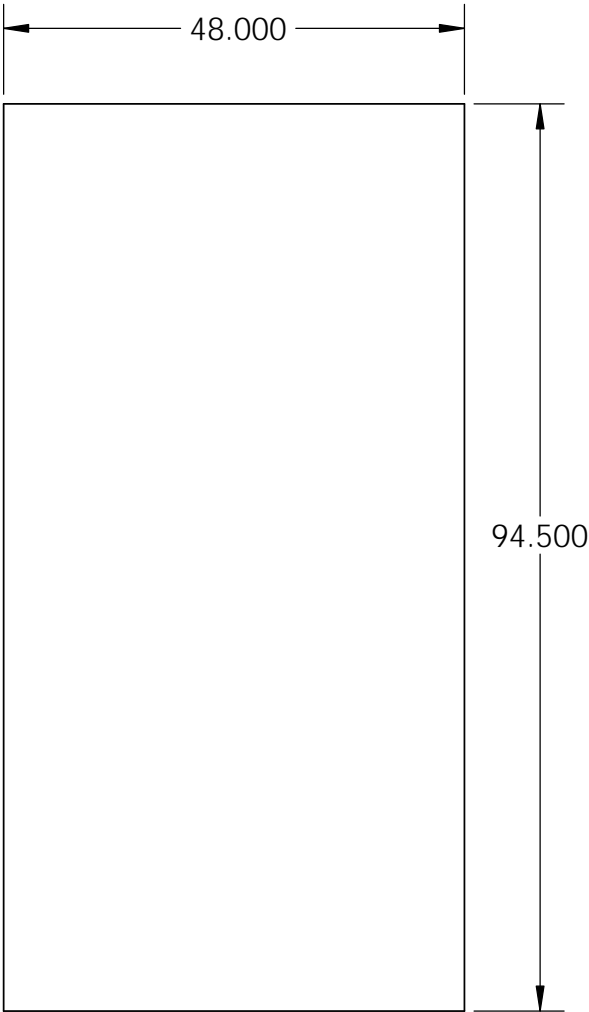


FOR CONSTRUCTION: TAKE TWO PLYWOOD BOARDS, CUT TO SIZE. CUT THE PLYWOOD TO SHAPE SO THAT WOOD GRAIN IS ORIENTATED IN A HORIZONTAL FASHION. ATTACH EACH BAORD TO CORRECT LOCATION ON SIDE STRUCTURE.


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MATERIAL: CDX PLYWOOD		DESCRIPTION: PLYWOOD SUPPORT STRUCTURE SIDES		UNIVERSITY OF IDAHO ME DEPARTMENT	
DEFAULT TOLERANCES: LINEAR: X.±.25 X.XX±.1 X.XX±.01 X.XXX±.002		ANGULAR: X.±.2 X.X±.1 X.XX±.0 30'		CHECKED BY: XXXXXXXXXX DATE: XX/XX/XX	
DRAWN BY: JAKOB HEMPHILL		DATE: 2/25/2019		PART #: 2-02 QTY: 2	
FILE NAME: (0-00) Full assembly.SLDPR		SCALE: 1:20		SHEET: 9 OF 15	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	002	CDX plywood sheets (4'X8'X3/8")	1

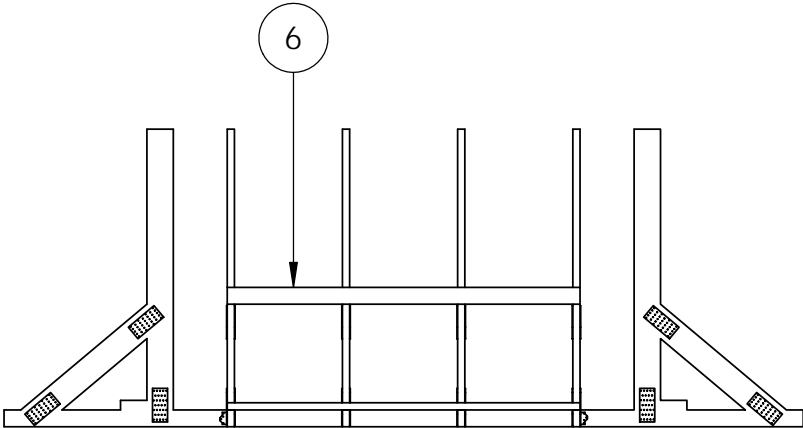
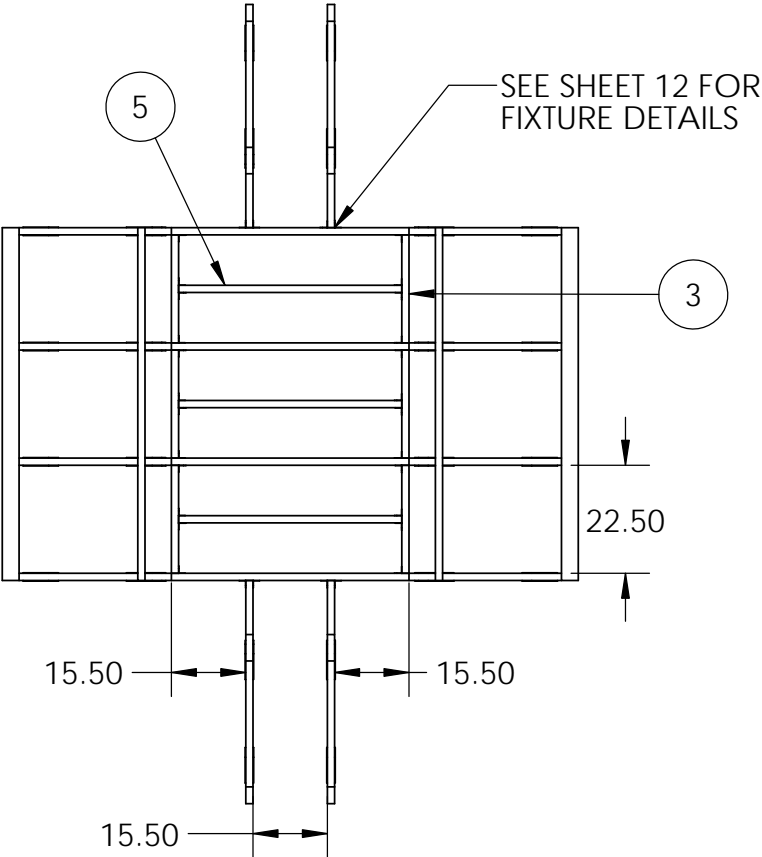
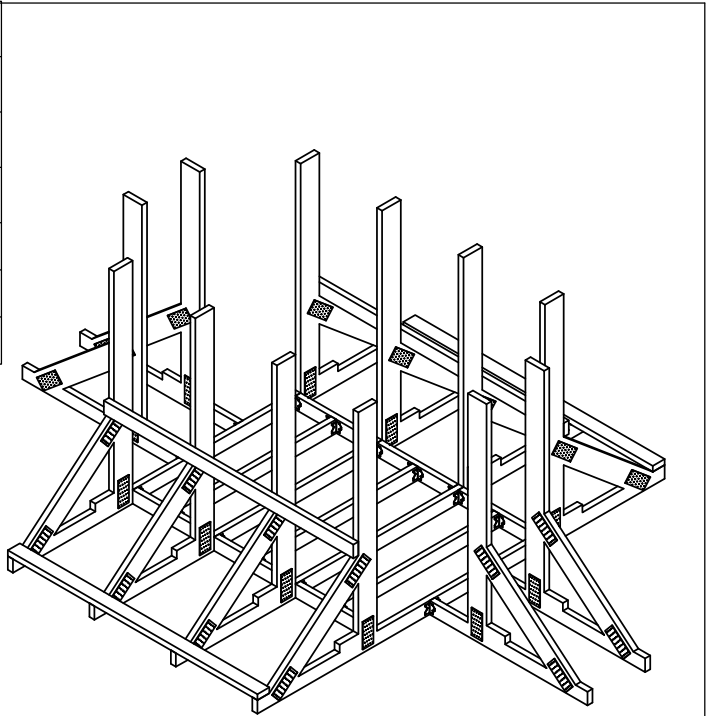
NOTE: BALOONS INDICATE THE BOARDS USED AND THE TOTAL NUMBER OF BOARDS .



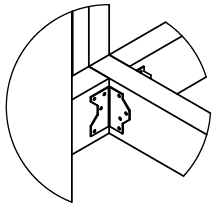
FOR CONSTRUCTION: TAKE TWO PLYWOOD BOARDS, CUT TO SIZE CUT THE PLYWOOD TO SHAPE SO THAT WOOD GRAIN IS ORIENTATED IN A HORIZONTAL FASHION. ATTACH EACH BAORD TO CORRECT LOCATION ON BASE STRUCTURE.

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		MATERIAL: CDX PLYWOOD					
<div>DEFAULT TOLERANCES:</div> <div><div>LINEAR: X ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002</div><div>ANGULAR: X ± 2 X.X ± 1 X.XX ± 0.30°</div></div>		<div>DESCRIPTION: PLYWOOD SUPPORT STRUCTURE BASE</div> <div><div>CHECKED BY: XXXXXXXXXXXX</div><div>DATE: XX/XX/XX</div><div>DRAWN BY: JAKOB HEMPHILL</div><div>DATE: 2/25/2019</div><div>FILE NAME: (0-00) Full assembly.SLDPRT</div></div>		<div>UNIVERSITY OF IDAHO</div> <div>ME DEPARTMENT</div>			
						PART #: 2-03	
				SCALE: 1:20		SHEET: 10 OF 15	

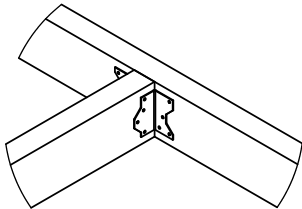
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	3-01	Side support assembly	4
2	3-02	End support assembly	4
3	004	Floor brace support (2"x4"x22.5")	6
4	010	Z-MAX Framing Angle	32
5	004	Floor horizontal Brace (2"x4"x46.50")	3
6	005	Side Horizontal Brace (2"x4"x73.5")	4



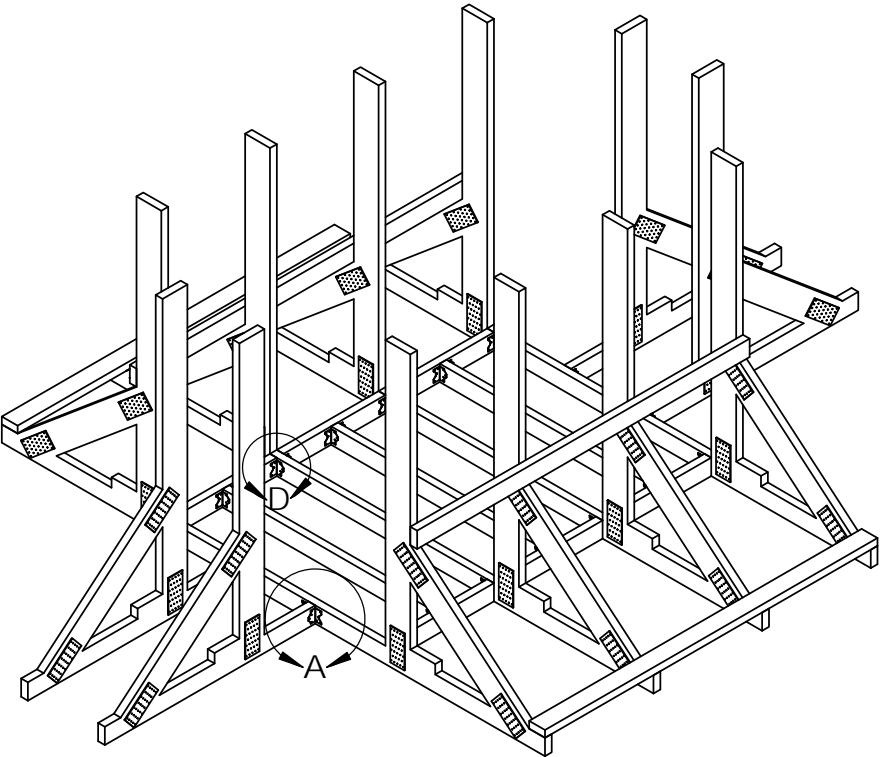
<div>PROPRIETARY AND CONFIDENTIAL</div> <div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF UNIVERSITY OF IDAHO, ME DEPARTMENT. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF UNIVERSITY OF IDAHO, ME DEPARTMENT IS PROHIBITED.</div>		<div>DIMENSIONS ARE IN INCHES</div> <div>THIRD ANGLE PROJECTION</div> <div>MATERIAL: VARIES</div>		<div>SOLAR ROCKS</div>	
<div>DEFAULT TOLERANCES:</div> <div>LINEAR: X.±.25 X.X±.1 X.XX±.01 X.XXX±.002</div> <div>ANGULAR: X.± 2 X.X± 1 X.XX± 0 30'</div>		<div>DESCRIPTION: SUPPORT STRUCTURE OVERVIEW</div> <div>CHECKED BY: XXXXXXXXXX</div> <div>DRAWN BY: JAKOB HEMPHILL</div> <div>FILE NAME: (0-00) Full assembly.SLDPRT</div>		<div>UNIVERSITY OF IDAHO ME DEPARTMENT</div> <div>PART #: 3-00</div> <div>SCALE: 1:40</div>	
		<div>DATE: XX/XX/XX</div> <div>DATE: 2/25/2019</div>		<div>QTY: 1</div> <div>SHEET: 11 OF 15</div>	



DETAIL D
SCALE 1 : 10
TYPICAL OF ALL CONNECTIONS

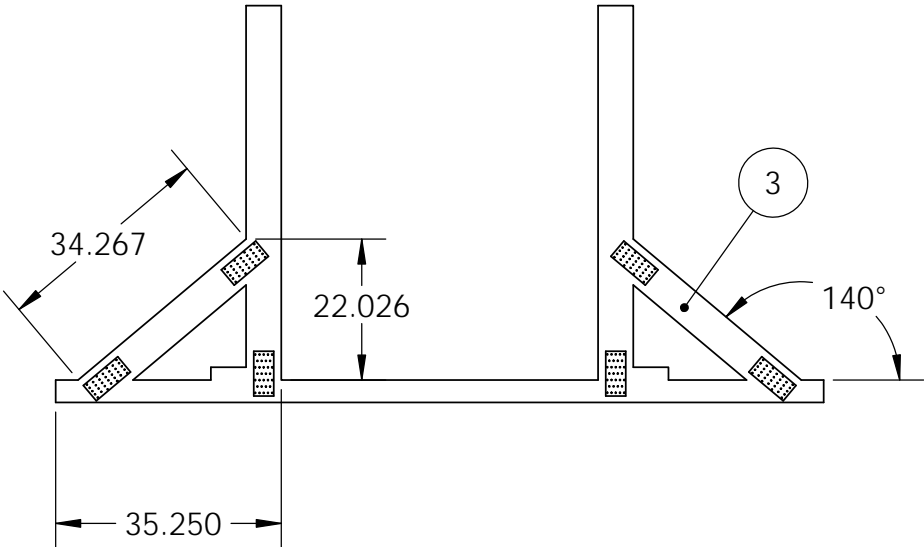
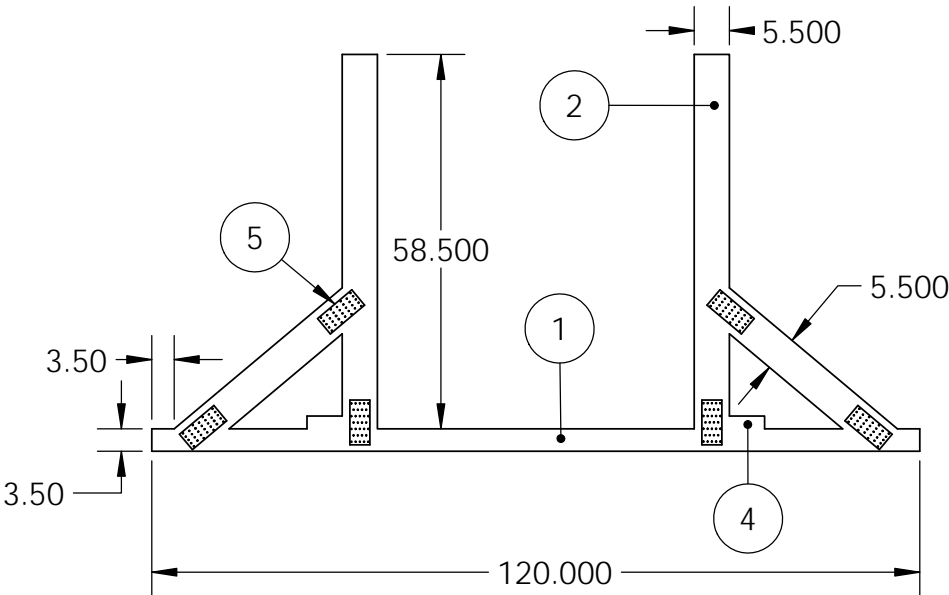
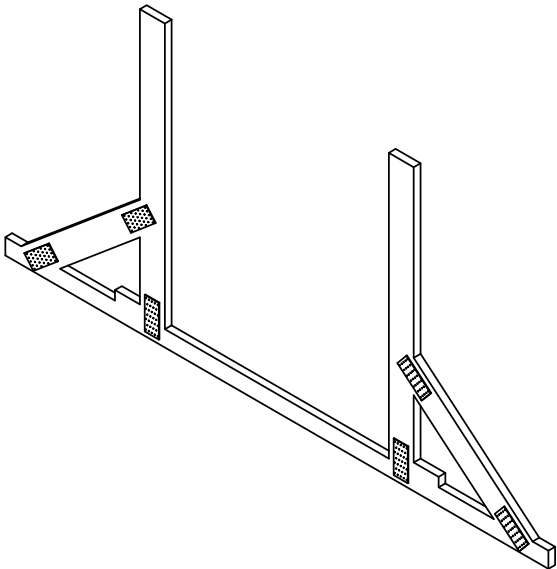


DETAIL A
SCALE 1 : 10
TYPICAL OF ALL CONNECTIONS



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		MATERIAL: VARIES		UNIVERSITY OF IDAHO ME DEPARTMENT	
DEFAULT TOLERANCES: LINEAR: X. ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		DESCRIPTION: SUB-FLOOR CONNECTIONS		PART #: N/A	
ANGULAR: X. ± 2 X.X ± 1 X.XX ± 0.30'		CHECKED BY: XXXXXXXXXX	DATE: XX/XX/XX	QTY: N/A	
FILE NAME: (0-00) Full assembly.SLDprt		DRAWN BY: JAKOB HEMPHILL		DATE: 2/25/2019	
		SCALE: 1:30		SHEET: 12 OF 15	

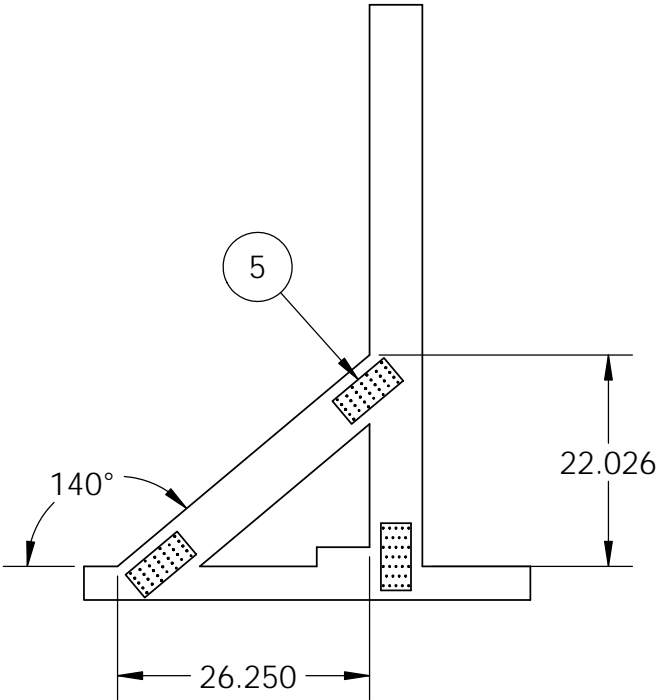
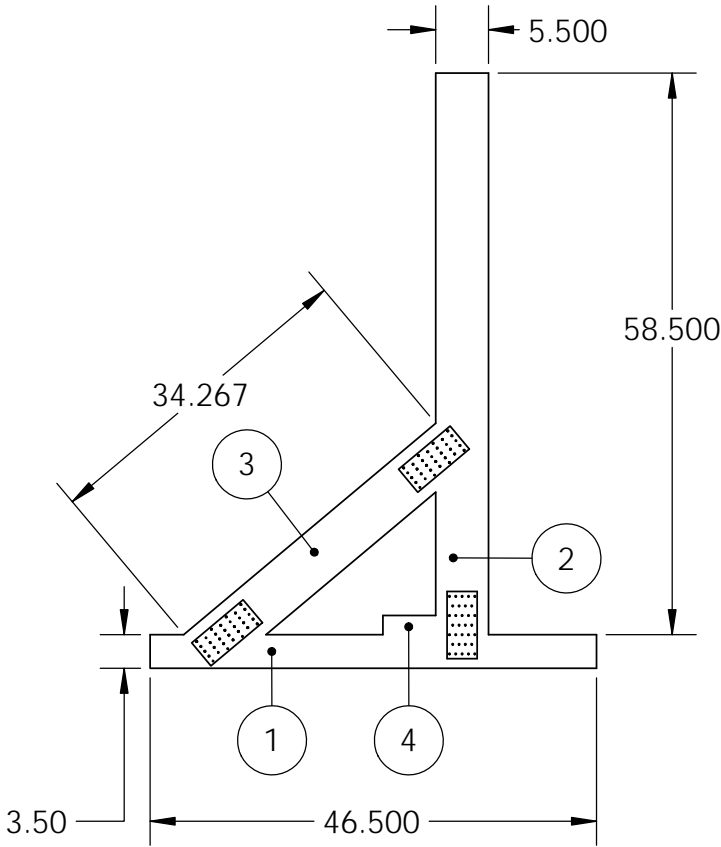
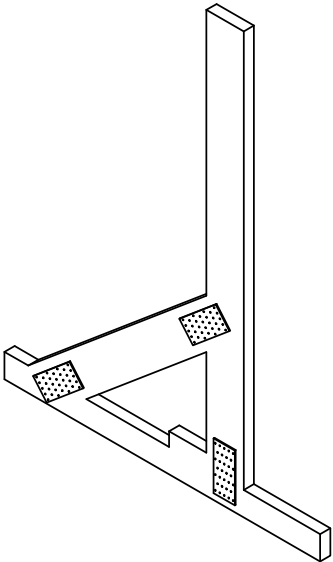
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	003	NO:2 2"X4"X10'	1
2	007	NO:2 2"X6"X58.5"	2
3	006	angled NO:2 2"X6"X38.397"	2
4	005	bracing stubs NO:2 2"X6"X2"	2
5	009	3-1/8"X7" TIE PLATE	12



FOR CONSTRUCTION: BUILD THE SKELETAL FRAMES FIRST. THEY WILL MAKE BUILDING THE CHAMBER INTERIORS EASIER. EACH BOARD IS ATTACHED TO THE BRACE USING THE APPLICABLE FITTINGS.

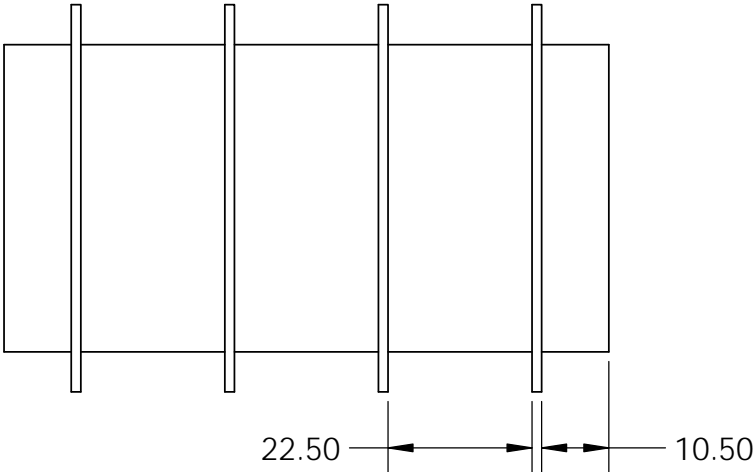
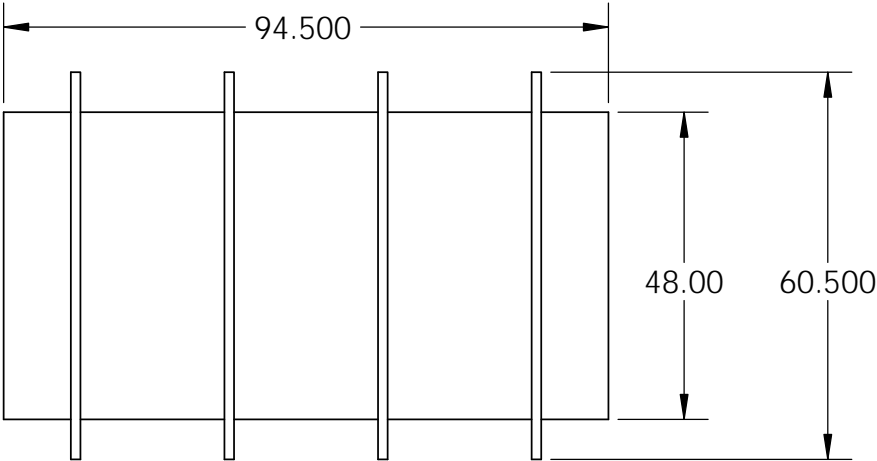
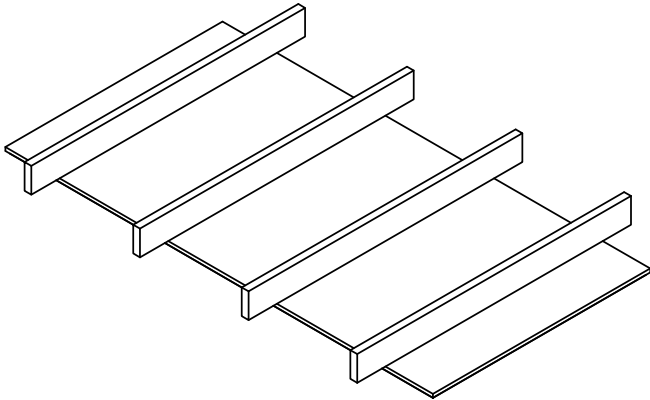
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		MATERIAL: NO:2 BOARDS		UNIVERSITY OF IDAHO ME DEPARTMENT	
DEFAULT TOLERANCES: LINEAR: X ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		DESCRIPTION: SIDE SUPPORT ASSEMBLY		PART #: 3-00	
ANGULAR: X ± 2 X.X ± 1 X.XX ± 0.30°		CHECKED BY: XXXXXXXXXXXX	DATE: XX/XX/XX	QTY: 6	
FILE NAME: (0-00) Full assembly.SLDPR		DRAWN BY: JAKOB HEMPHILL	DATE: 2/25/2019	SCALE: 1:30	
				SHEET: 13 OF 15	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	003	NO:2 2"X4"X53.125"	1
2	007	NO:2 2"X6"X58.500"	1
3	006	angled NO:2 2"X6"X38.320"	1
4	007	bracing stub NO:2 2"X6"X2"	1
5	009	3-1/8"X7" TIE PLATE	6




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		MATERIAL: NO:2 BOARDS		UNIVERSITY OF IDAHO ME DEPARTMENT	
DEFAULT TOLERANCES: LINEAR: X. ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		DESCRIPTION: END SUPPORT ASSEMBLY CHECKED BY: XXXXXXXXXXXX DATE: XX/XX/XX		PART #: 4-00 QTY: 4	
ANGULAR: X. ± 2 X.X ± 1 X.XX ± 0.30°		DRAWN BY: JAKOB HEMPHILL DATE: 2/25/2019		SCALE: 1:20 SHEET: 14 OF 15	
		FILE NAME: (0-00) Full assembly.SLDPR			

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	001	3'x5'x1/2" cement sheet	1
2	002	4'X8'X3/8" CDX plywood	1
3	007	NO:2 2"X6"X60.5" board	4



FOR CONSTRUCTION: CUT THE CEMENT BOARDS AND PLYWOOD BACKING TO APPLICABLE SIZE. ATTACH BOTH SIMULTANEOUSLY TO 2X6 SUPPORTS. MATCH 2X6 SUPPORT LOCATION TO CORRESPOND WITH THE VERTICAL SUPPORTS OF THE FRAME.

<div>PROPRIETARY AND CONFIDENTIAL</div> <div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF UNIVERSITY OF IDAHO, ME DEPARTMENT. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF UNIVERSITY OF IDAHO, ME DEPARTMENT IS PROHIBITED.</div>		<div>DIMENSIONS ARE IN INCHES</div> <div>THIRD ANGLE PROJECTION</div> <div></div>		<div>SOLAR ROCKS</div>	
MATERIAL: VARIES					
DEFAULT TOLERANCES:		DESCRIPTION: ROOFING ASSEMBLY		<div>UNIVERSITY OF IDAHO</div> <div>ME DEPARTMENT</div>	
LINEAR: X.±.25 X.X±.1 X.XX±.01 X.XXX±.002		ANGULAR: X.±2 X.X±1 X.XX±0.30'			
		CHECKED BY: XXXXXXXXXX	DATE: XX/XX/XX		
		DRAWN BY: JAKOB HEMPHILL	DATE: 1/29/2019	PART #: 5-00	QTY: 1
		FILE NAME: (0-00) Full assembly.SLDPR		SCALE: 1:30	SHEET: 15 OF 15