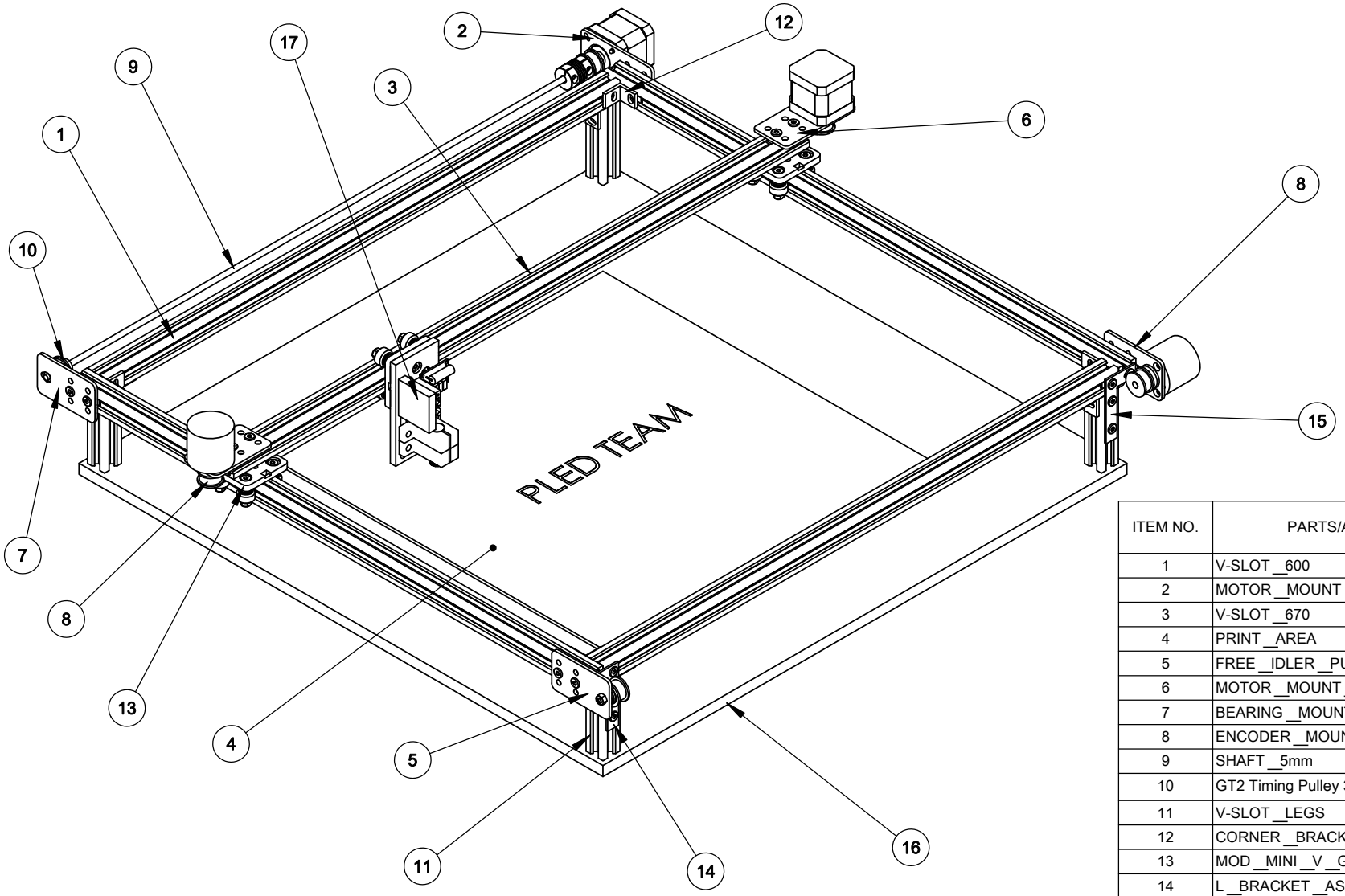

ITEM NO.	PARTS/ASSEMBLIES	QTY.
1	V-SLOT _600	4
2	MOTOR _MOUNT	1
3	V-SLOT _670	1
4	PRINT _AREA	1
5	FREE _IDLER _PULLEY	1
6	MOTOR _MOUNT _2	1
7	BEARING _MOUNT	1
8	ENCODER _MOUNT	2
9	SHAFT _5mm	1
10	GT2 Timing Pulley 30 Tooth	1
11	V-SLOT _LEGS	4
12	CORNER _BRACKETS	8
13	MOD _MINI _V _GANTRY _ASSEMBLY	2
14	L _BRACKET _ASSEMBLY	2
15	L _BRACKET _ASSEMBLY _REVERSE	2
16	BASE	1
17	LASER _ASSEMBLY	1

NOTE: ITEM 10 IS JUST A STANDARD PART SO WILL NOT BE SHOWN IN SUBSEQUENT ASSEMBLY FILES.

Mechanical & Aerospace ENGINEERING
UtahState University

PROJECT: PLED TEAM

SPECIFICATIONS AND TOLERANCES

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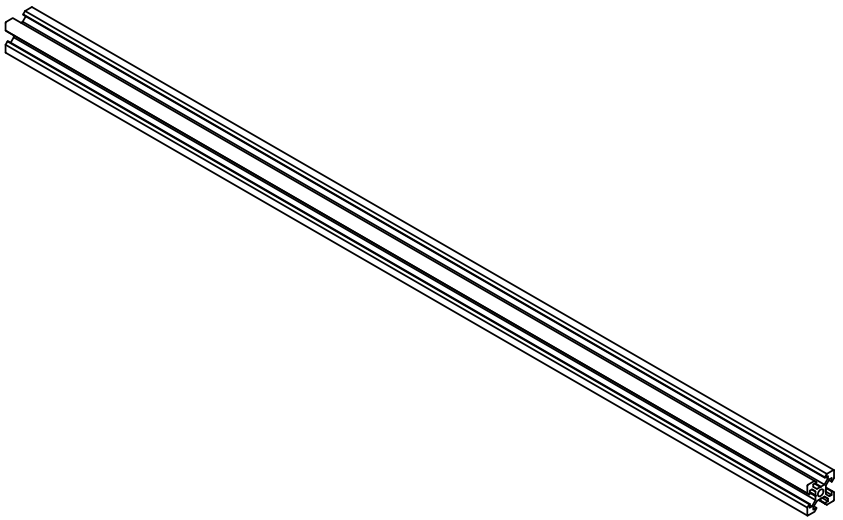
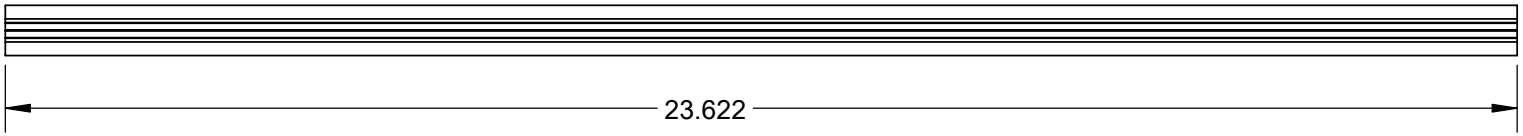
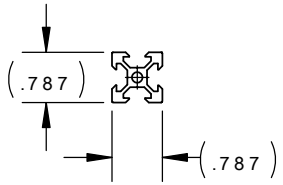
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: PLED TEAM GANTRY	DRAFTED BY: T.SHORTHILL	
PART/ASSEM NUMBER: -	CHECKED BY: Z.GARRARD	
MATERIAL: -	APPROVED BY: C.WOOD	
FINISH: -	DATE APPROVED: 4/26/2016	
	SHEET SCALE: 1:12	SHEET NUMBER: 1 of 1







ITEM NO.	PART NUMBER	QTY.
1	OPEN BUILDS: V-SLOT LINEAR RAIL	4

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DRAFTED BY: T.SHORTHILL
CHECKED BY: Z.GARRARD
APPROVED BY: C.WOOD
DATE APPROVED: 4/26/2016

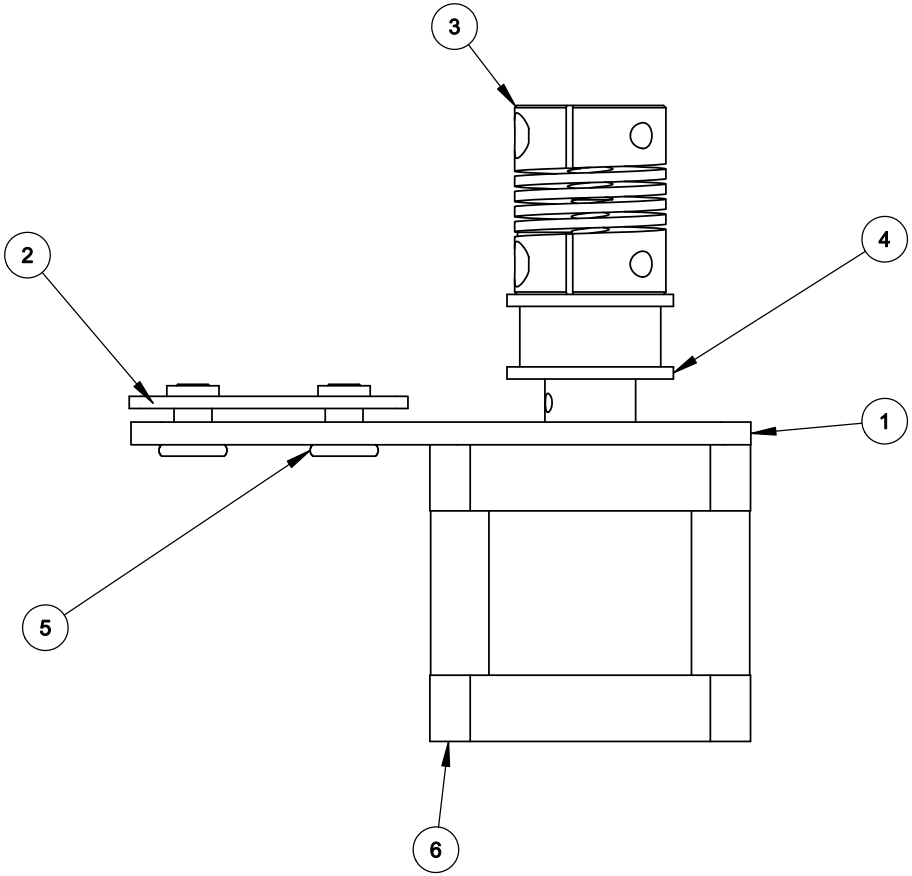
PART/ASSEM NAME: V-SLOT_600
PART/ASSEM NUMBER: -
MATERIAL: ALUMINUM
FINISH: BLACK ANODIZED

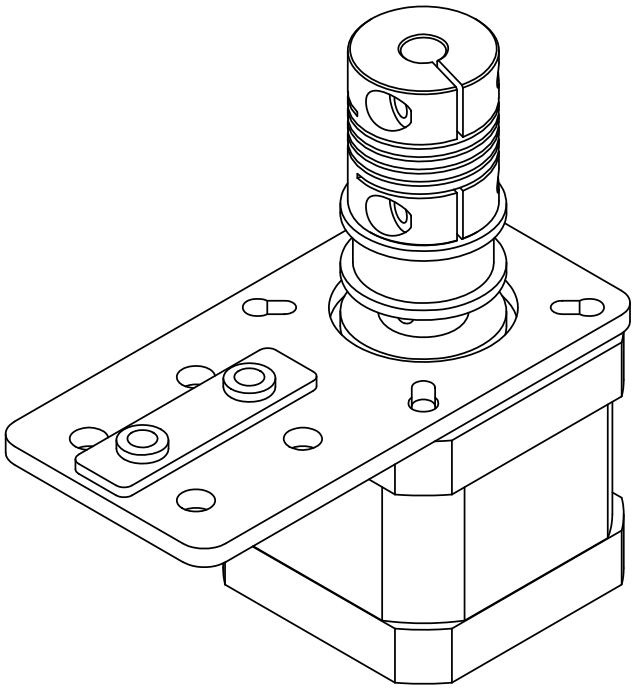
SHEET SCALE: 1:3
SHEET NUMBER: 1 of 1

SPECIFICATIONS AND TOLERANCES

UNLESS OTHERWISE NOTED
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches





ITEM NO.	PART NUMBER	QTY.
1	MOD__NEMA__17__MOUNT__PLATE	1
2	Double Tee Nut	1
3	Flexible Coupling 5mm x 6mm	1
4	GT2 Timing Pulley 30 Tooth	1
5	M5 x 8	2
6	NEMA__17__MOTOR	1

Mechanical & Aerospace ENGINEERING
UtahState University

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SPECIFICATIONS AND TOLERANCES

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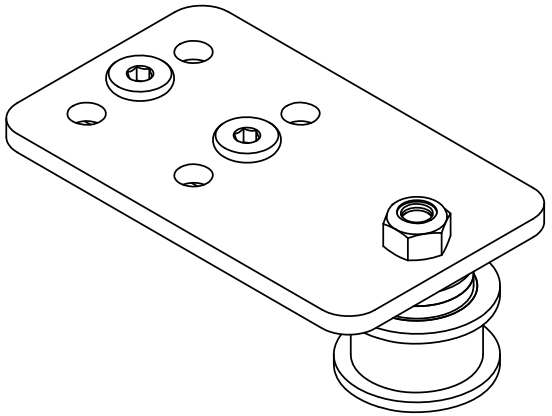
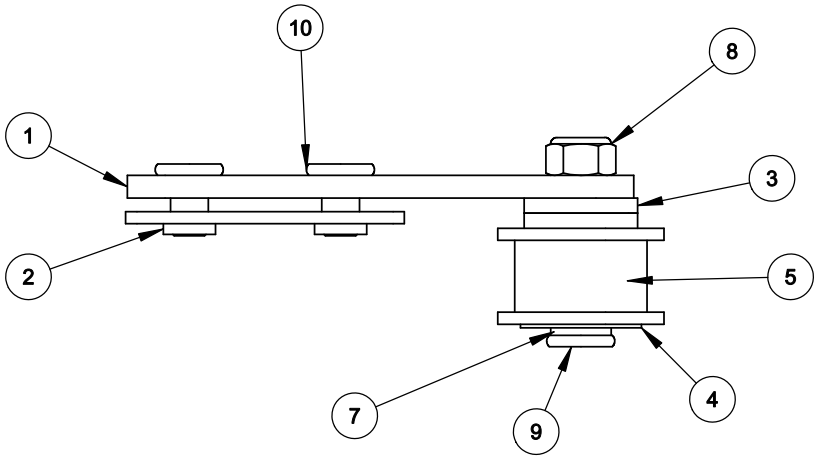
DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: MOTOR MOUNT
PART/ASSEM NUMBER: -
MATERIAL: -
FINISH: -

DRAFTED BY: T.SHORTHILL
CHECKED BY: Z.GARRARD
APPROVED BY: C.WOOD
DATE APPROVED: 4/26/2016
SHEET SCALE: 1:2
SHEET NUMBER: 1 of 1





ITEM NO.	PART NUMBER	QTY.
1	Idler Pulley Plate	1
2	Double Tee Nut	1
3	Slot Washer 15 x 5 x 2	2
4	Ball Bearing 5 x 16 x 5	2
5	Smooth Idler Pulley Wheel	1
6	Nylon Spacer 0.125in	1
7	Precision Shim 8 x 5 x 1	1
8	Nylon Insert Lock Nut M5	1
9	M5 x 25	1
10	M5 x 8	2

Mechanical & Aerospace ENGINEERING
UtahState University

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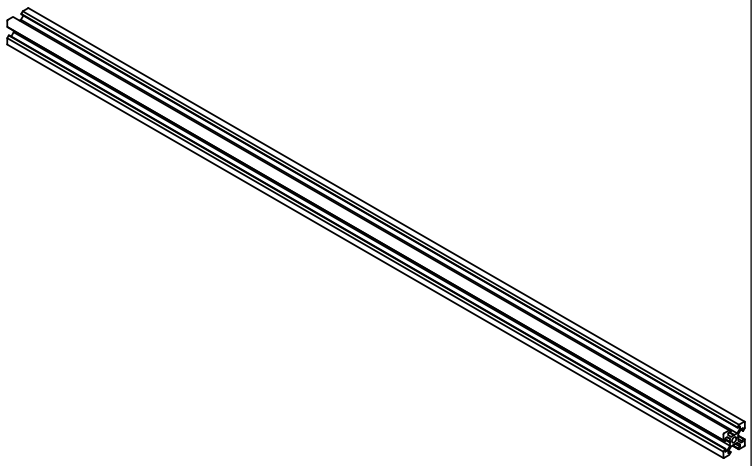
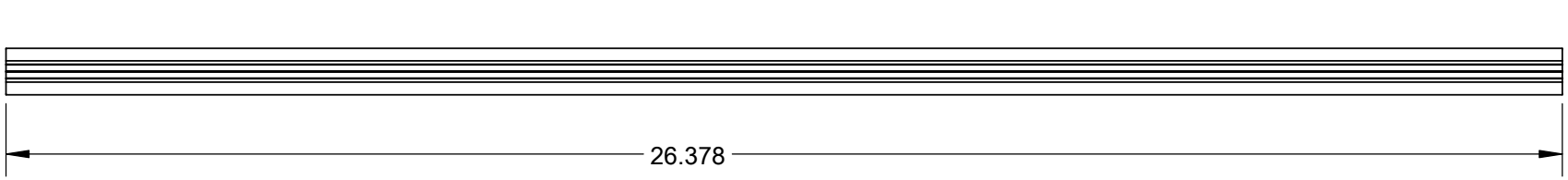
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

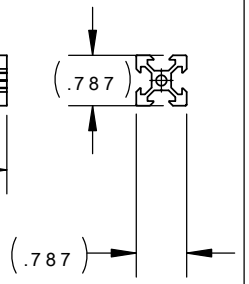
DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: FREE IDLER PULLY
PART/ASSEM NUMBER: -
MATERIAL: -
FINISH: -

DRAFTED BY: T.SHORTHILL
CHECKED BY: Z.GARRARD
APPROVED BY: C.WOOD
DATE APPROVED: 4/26/2016
SHEET SCALE: 1:1
SHEET NUMBER: 1 of 1







ITEM NO.	PART NUMBER	QTY.
1	OPEN BUILDS: V-SLOT LINEAR RAIL	1

Mechanical & Aerospace ENGINEERING
UtahState University

PROJECT:
PLED TEAM

SPECIFICATIONS AND TOLERANCES

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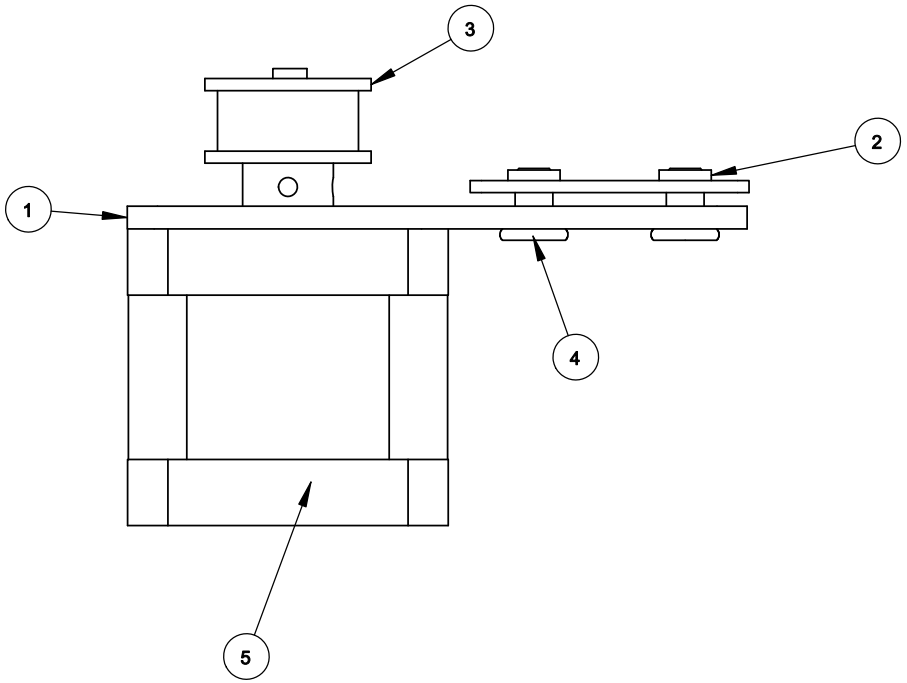
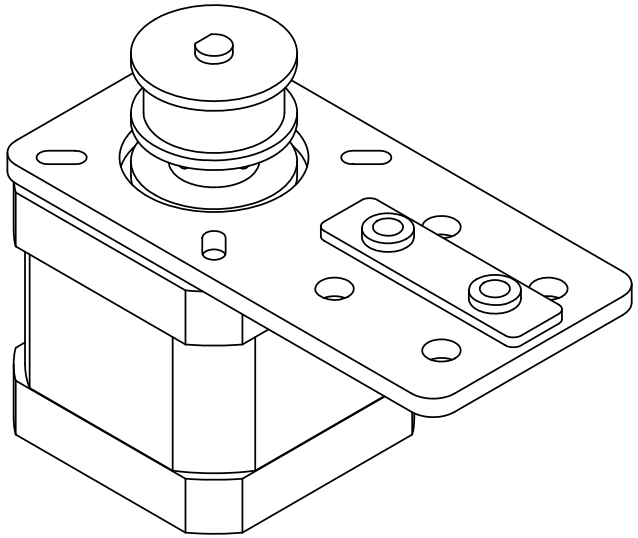
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: V-SLOT_670	**DRAFTED BY: T.SHORTHILL**	
PART/ASSEM NUMBER: -	**CHECKED BY: Z.GARRARD**	
MATERIAL: ALUMINUM	**APPROVED BY: C.WOOD**	
FINISH: BLACK ANODIZED	**DATE APPROVED: 4/26/2016**	
	SHEET SCALE: 1:8	**SHEET NUMBER: 1 of 1**





NOTE: M3 SOCKET HEAD CAP SCREWS REQUIRED FOR MOUNTING NEMA 17 MOTOR TO PLATE.

ITEM NO.	PART NUMBER	QTY.
1	Motor Mount Plate Nema 17	1
2	Double Tee Nut	1
3	GT2 Timing Pulley 30 Tooth	1
4	M5 x 8	2
5	NEMA _17 _MOTOR	1

Mechanical & Aerospace ENGINEERING
UtahState University

PROJECT: PLED TEAM

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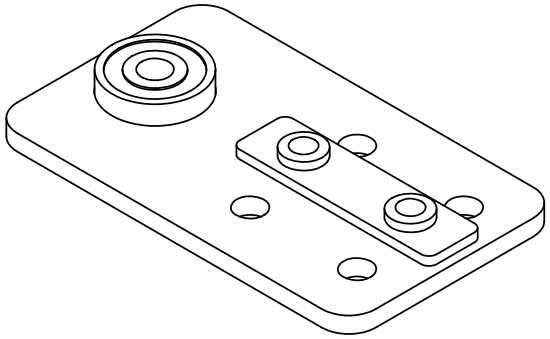
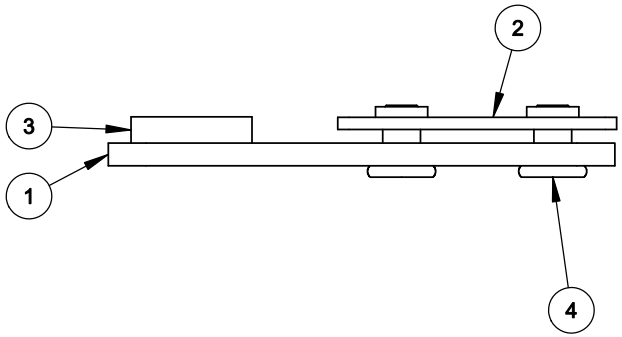
DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: MOTOR MOUNT 2	DRAFTED BY: T.SHORTHILL	
PART/ASSEM NUMBER: -	CHECKED BY: Z.GARRARD	
MATERIAL: -	APPROVED BY: C.WOOD	
FINISH: -	DATE APPROVED: 4/26/2016	
	SHEET SCALE: 1:2	SHEET NUMBER: 1 of 1





ITEM NO.	PART NUMBER	QTY.
1	BEARING _PLATE	1
2	Double Tee Nut	1
3	Ball Bearing 5 x 16 x 5	1
4	M5 x 8	2

Mechanical & Aerospace ENGINEERING
UtahState University

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PLED TEAM

SPECIFICATIONS AND TOLERANCES

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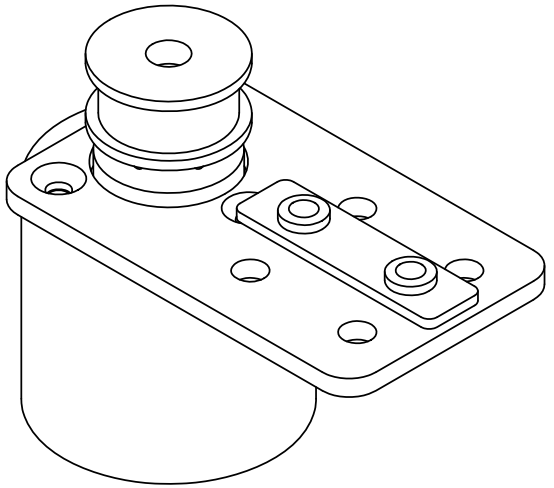
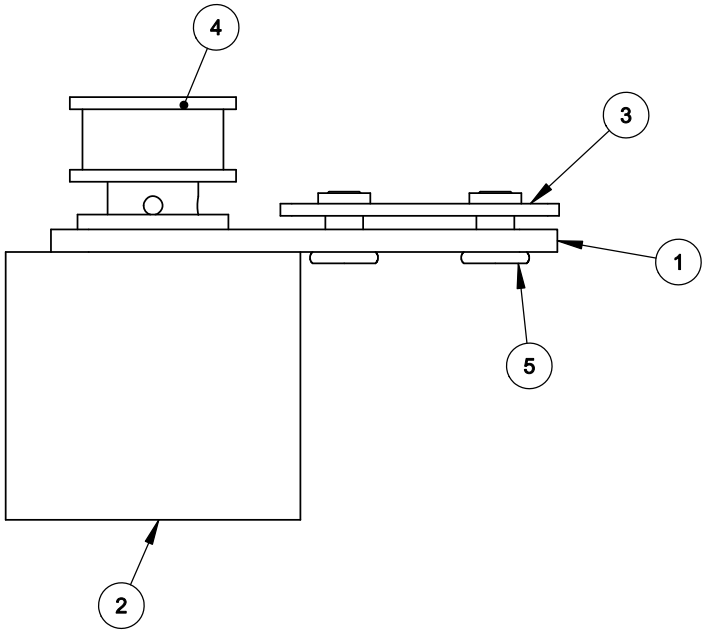
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: BEARING MOUNT
PART/ASSEM NUMBER: -
MATERIAL: -
FINISH: -

DRAFTED BY: T.SHORTHILL
CHECKED BY: Z.GARRARD
APPROVED BY: C.WOOD
DATE APPROVED: 4/26/2016
SHEET SCALE: 1:1
SHEET NUMBER: 1 of 1





ITEM NO.	PART NUMBER	QTY.
1	Encoder__Plate	1
2	ENCODER	1
3	Double Tee Nut	1
4	PULLEY__6MM	1
5	M5 x 8	2

NOTE: 3M FLAT HEAD SCREWS ARE NEEDED TO MOUNT ENCODER TO THE PLATE.

Mechanical & Aerospace ENGINEERING
UtahState University

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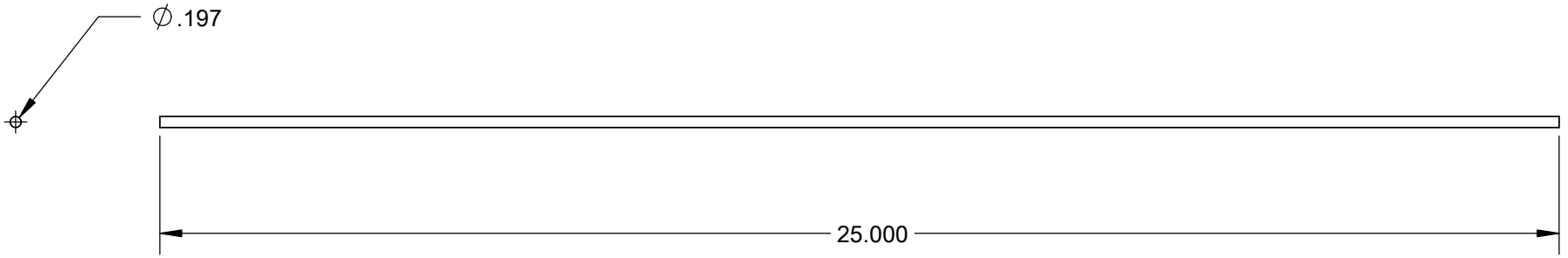
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X±.5, X.X±.1, X.XX±.03, X.XXX±.005
ANGULAR DIMENSIONS [degrees]: X±3, X.X±.5, X.XX±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: ENCODER MOUNT	**DRAFTED BY: T.SHORTHILL**	
PART/ASSEM NUMBER: -	**CHECKED BY: Z.GARRARD**	
MATERIAL: -	**APPROVED BY: C.WOOD**	
FINISH: -	**DATE APPROVED: 4/26/2016**	
	SHEET SCALE: 1:2	**SHEET NUMBER: 1 of 1**



NOTE: 5MM DIAMETER SHAFT

ITEM NO.	PART NUMBER	QTY.
1	SHAFT _5mm	1

Mechanical & Aerospace ENGINEERING
UtahState University

PROJECT:
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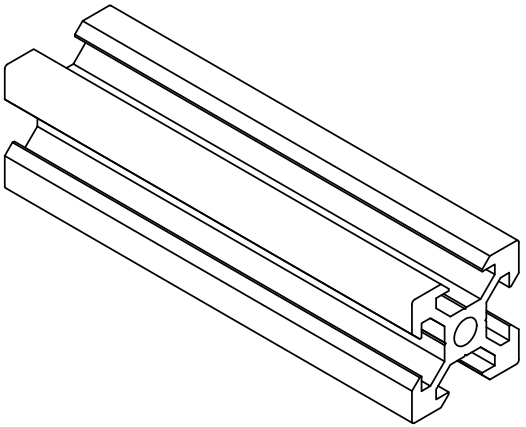
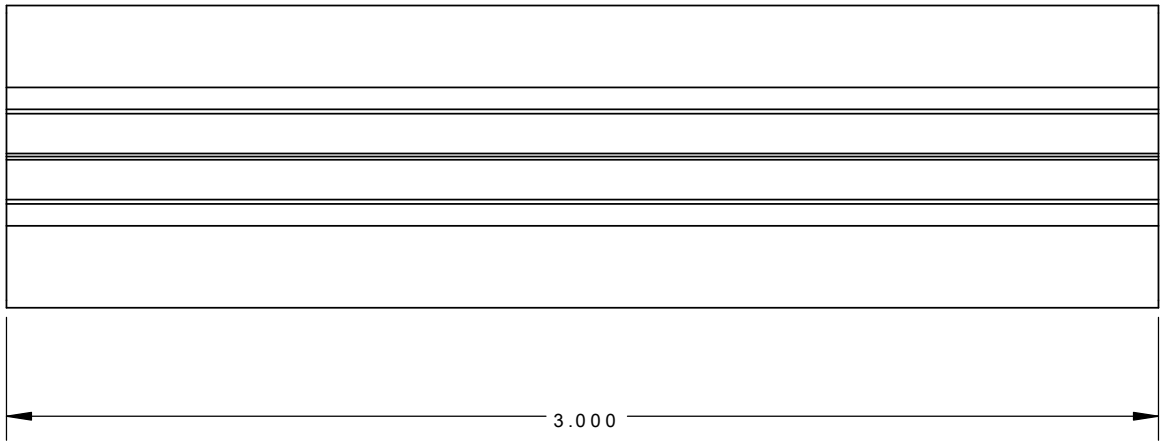
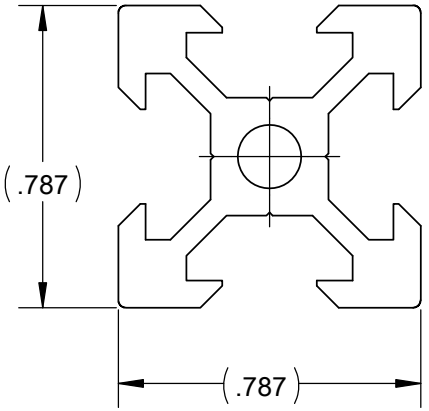
DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: SHAFT_5mm
PART/ASSEM NUMBER: -
MATERIAL: 316 STAINLESS (OR EQUIVALENT)
FINISH: -

DRAFTED BY: T.SHORTHILL
CHECKED BY: Z.GARRARD
APPROVED BY: C.WOOD
DATE APPROVED: 4/26/2016
SHEET SCALE: 1:8
SHEET NUMBER: 1 of 1







ITEM NO.	PART NUMBER	QTY.
1	OPEN BUILDS: V-SLOT LINEAR RAIL	4

Mechanical & Aerospace ENGINEERING
UtahState University

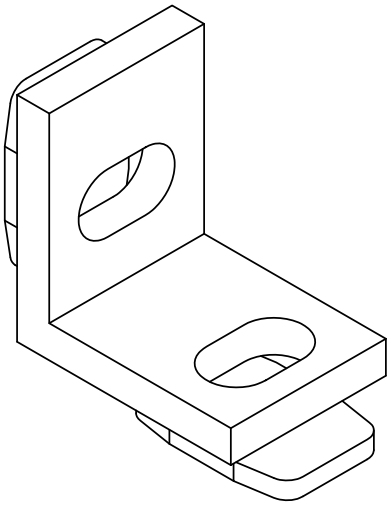
PROJECT:
PLED TEAM

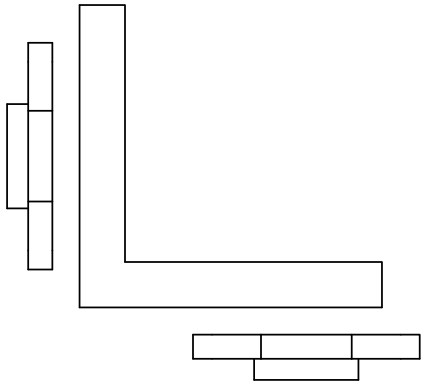
SPECIFICATIONS AND TOLERANCES

UNLESS OTHERWISE NOTED
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: V-SLOT_LEGS	**DRAFTED BY: T.SHORTHILL**
PART/ASSEM NUMBER: -	**CHECKED BY: Z.GARRARD**
MATERIAL: ALUMINUM	**APPROVED BY: C.WOOD**
FINISH: BLACK ANODIZED	**DATE APPROVED: 4/26/2016**
	SHEET SCALE: 2:1 / **SHEET NUMBER: 1 of 1**





NOTE: THESE ARE ASSEMBLED WITH M5 SCREWS 8-10 mm LENGTH

ITEM NO.	PART NUMBER	QTY.
1	L Bracket Single	1
2	Tee Nut	2

Mechanical & Aerospace ENGINEERING
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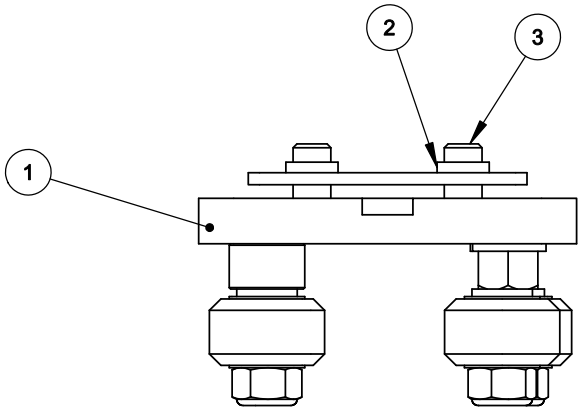
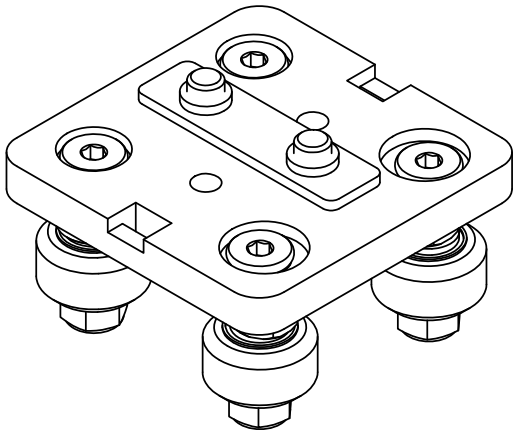
DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: CORNER BRACKET
PART/ASSEM NUMBER: -
MATERIAL: -
FINISH: -

DRAFTED BY: T.SHORTHILL
CHECKED BY: Z.GARRARD
APPROVED BY: C.WOOD
DATE APPROVED: 4/26/2016
SHEET SCALE: 2:1
SHEET NUMBER: 1 of 1





ITEM NO.	PART NUMBER	QTY.
1	MOD__MINI__V__GANTRY	1
2	Double Tee Nut	1
3	M5 x 10	2

Mechanical & Aerospace ENGINEERING
UtahState University

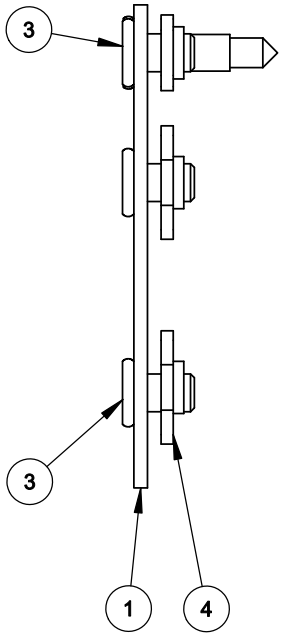
PROJECT:
PLED TEAM

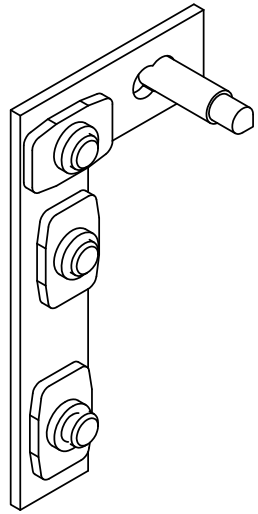
SPECIFICATIONS AND TOLERANCES

UNLESS OTHERWISE NOTED
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: MOD_MINI_V_GANTRY_ASSEMBLY	DRAFTED BY: T.SHORTHILL	
PART/ASSEM NUMBER: -	CHECKED BY: Z.GARRARD	
MATERIAL: -	APPROVED BY: C.WOOD	
FINISH: -	DATE APPROVED: 4/26/2016	
	SHEET SCALE: 1:1	SHEET NUMBER: 1 of 1





ITEM NO.	PART NUMBER	QTY.
1	ZINC PLATED STEEL 2.5 INCH L- BRACKET	1
2	Self Tapping Screw	1
3	M5 x 8	3
4	Tee Nut	3

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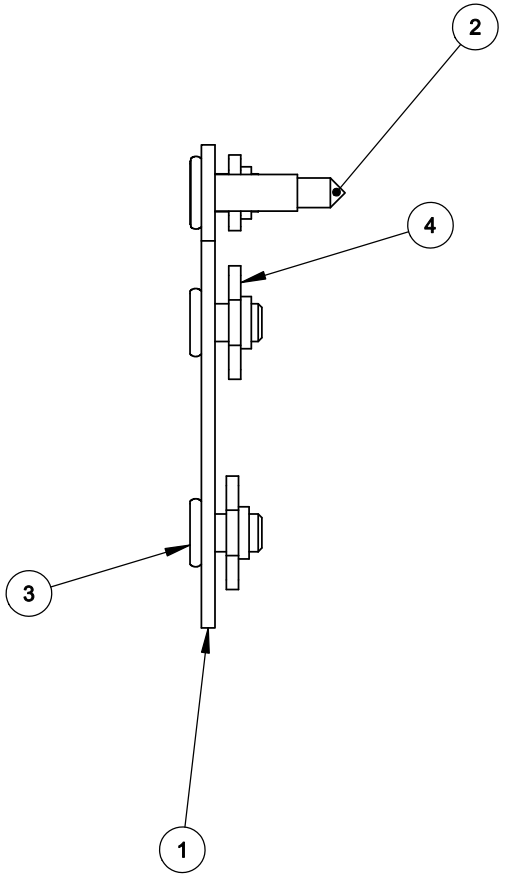
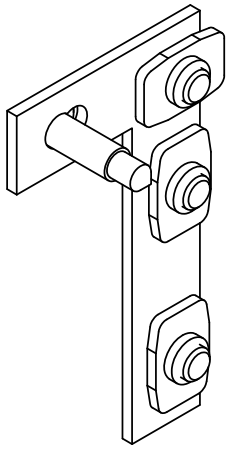
DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: L BRACKET ASSEMBLY
PART/ASSEM NUMBER: -
MATERIAL: -
FINISH: -

DRAFTED BY: T.SHORTHILL
CHECKED BY: Z.GARRARD
APPROVED BY: C.WOOD
DATE APPROVED: 4/26/2016
SHEET SCALE: 1:1
SHEET NUMBER: 1 of 1





ITEM NO.	PART NUMBER	QTY.
1	ZINC PLATED STEEL 2.5 INCH L- BRACKET	1
2	Self Tapping Screw	1
3	M5 x 8	3
4	Tee Nut	3

Mechanical & Aerospace ENGINEERING
UtahState University

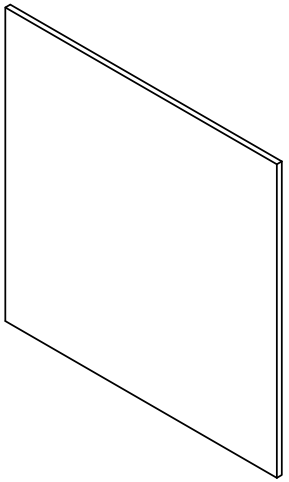
PROJECT: PLED TEAM

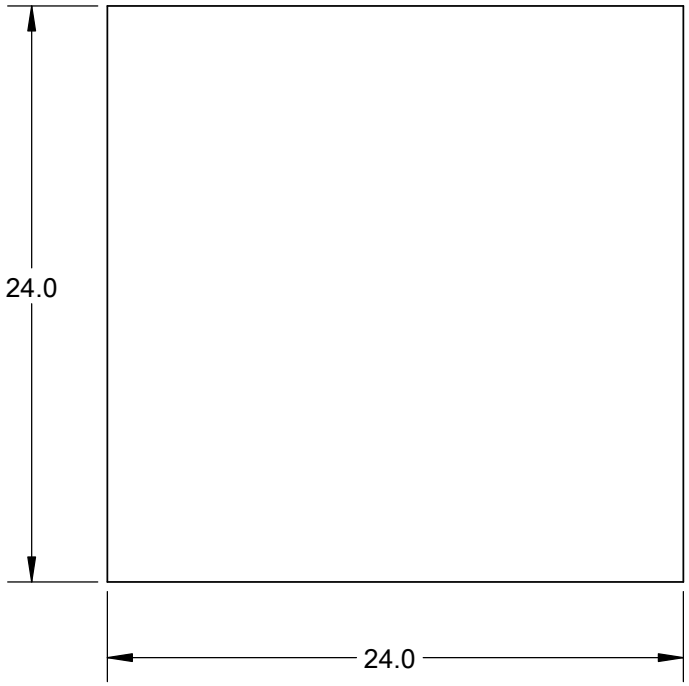
SPECIFICATIONS AND TOLERANCES

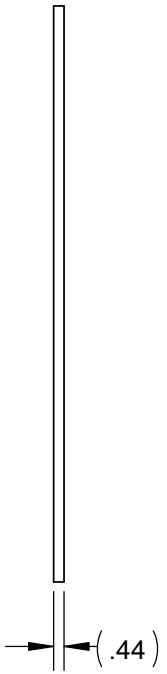
UNLESS OTHERWISE NOTED
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: L BRACKET ASSEMBLY REVERSE	**DRAFTED BY: T.SHORTHILL**	
PART/ASSEM NUMBER: -	**CHECKED BY: Z.GARRARD**	
MATERIAL: -	**APPROVED BY: C.WOOD**	
FINISH: -	**DATE APPROVED: 4/26/2016**	
	SHEET SCALE: 1:1	**SHEET NUMBER: 1 of 1**







ITEM NO.	PART NUMBER	QTY.
1	BASE	1

Mechanical & Aerospace ENGINEERING
UtahState University

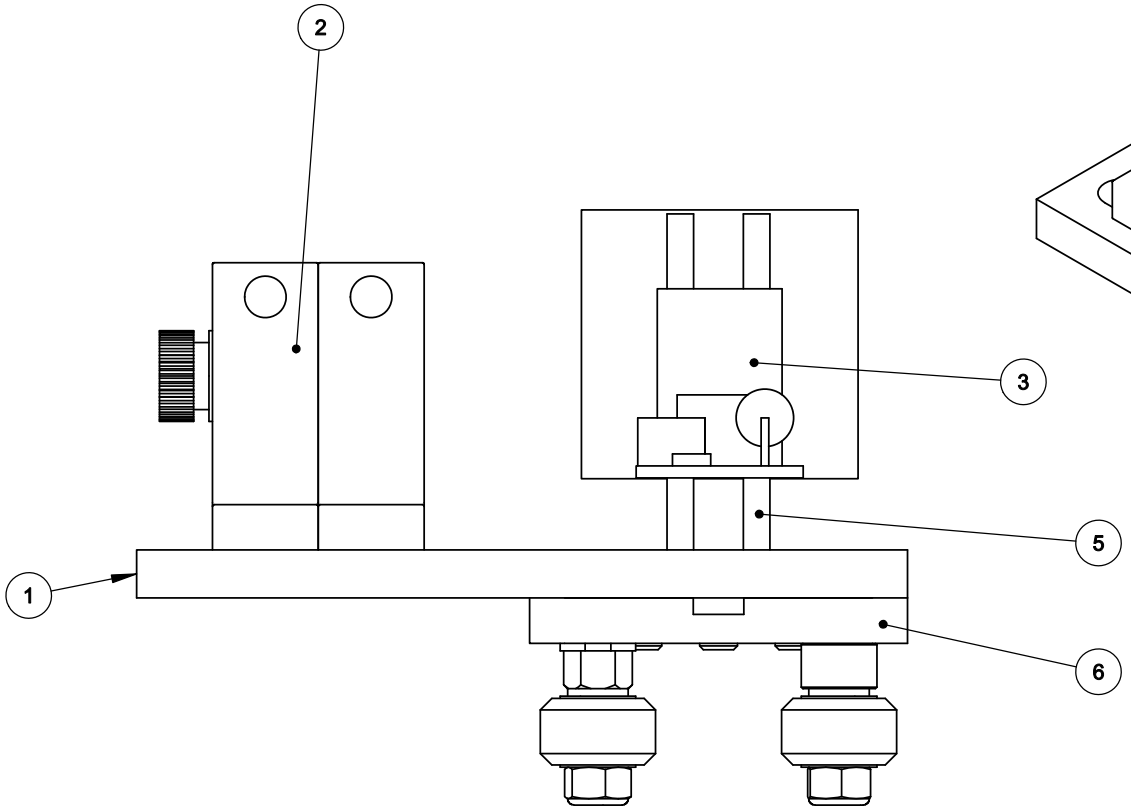
PROJECT:
PLED

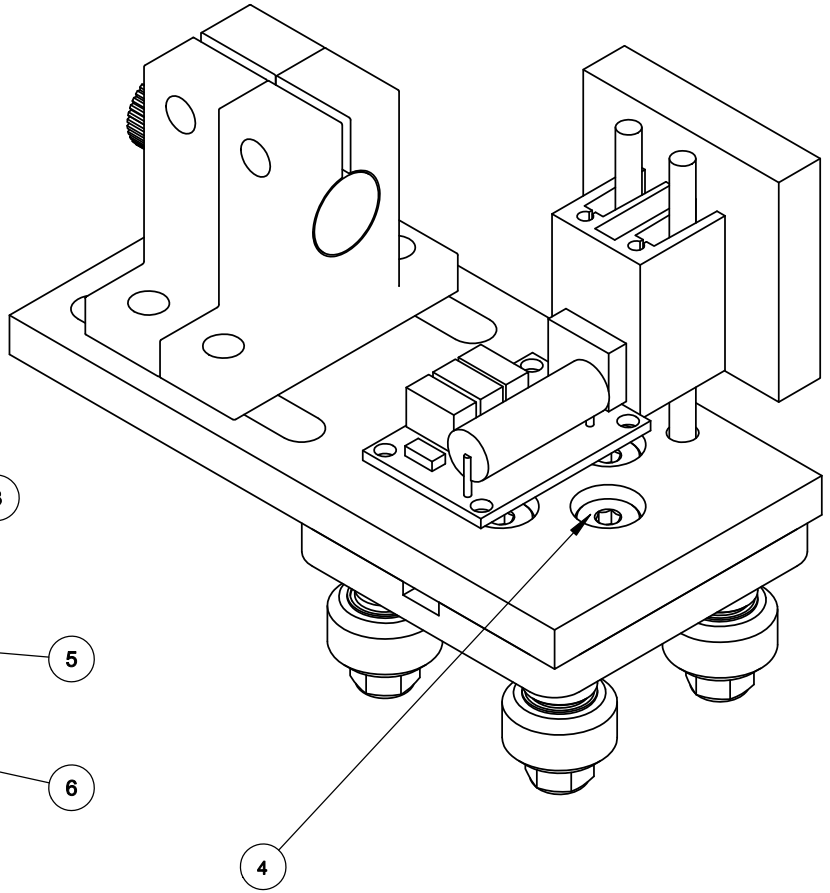
SPECIFICATIONS AND TOLERANCES

UNLESS OTHERWISE NOTED
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X ±.5, X.X ±.1, X.XX ±.03, X.XXX ±.005
ANGULAR DIMENSIONS [degrees]: X ±3, X.X ±.5, X.XX ±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: BASE	**DRAFTED BY: T. SHORTHILL**	
PART/ASSEM NUMBER: -	**CHECKED BY: Z. GARRARD**	
MATERIAL: OSB WOOD BOARD	**APPROVED BY: C. WOOD**	
FINISH: BLK SPRAY PAINT	**DATE APPROVED: 4/26/2016**	
	SHEET SCALE: 1:8	**SHEET NUMBER: 1 of 1**





ITEM NO.	PART NUMBER	QTY.
1	LASER__PLATE	1
2	FREAKIN__LASER__MOUNT	1
3	LASER__DRIVER__APPROXIMATE__MODEL	1
4	M5 x 10	4
5	6-32__2IN__FH__SCREW	2
6	MINI__V__GANTRY	1

NOTE: THE 6-32 SCREWS ARE MOUNTED TO PLATE BEFORE PLATE IS MOUNTED TO MINI-V GANTRY. ALSO THE LASER MUST BE MOUNTED TO PLATE BY 4X NUMBER 10 SCREWS NUTS AND WASHERS. FINALLY, LASER DRIVER IS MOUNTED BETWEEN TWO NUTS ON THE 6-32 SCREWS.

Mechanical & Aerospace ENGINEERING
UtahState University

PROJECT: PLED TEAM

SPECIFICATIONS AND TOLERANCES

UNLESS OTHERWISE NOTED
DRAWING ARE CREATED IN ACCORDANCE TO ASME Y14.5-2009

DEFAULT DIMENSIONAL TOLERANCES:
LINEAR DIMENSIONS [inches]: X±.5, X.X±.1, X.XX±.03, X.XXX±.005
ANGULAR DIMENSIONS [degrees]: X±3, X.X±.5, X.XX±.1
MINIMUM SURFACE FINISH: 1000 microinches

PART/ASSEM NAME: LASER ASSEMBLY	DRAFTED BY: T.SHORTHILL	
PART/ASSEM NUMBER: -	CHECKED BY: Z.GARRARD	
MATERIAL: -	APPROVED BY: C.WOOD	
FINISH: -	DATE APPROVED: 4/26/2016	
	SHEET SCALE: 1:2	SHEET NUMBER: 1 of 1

THIS SHEET INCLUDES THE TOTAL PARTS LIST. (PARTS ORDERED INCLUDE SUB-PARTS WHICH ARE ALSO INCLUDED IN THIS LIST. EXAMPLE: WE ORDERED A WHEEL BUT EACH WHEEL INCLUDED BEARINGS, SHIMS AND WASHERS.)

ITEM NO.	PART NUMBER	QTY.
1	V-SLOT_600	4
2	Motor Mount Plate Nema 17	1
3	Double Tee Nut	8
4	Flexible Coupling 5mm x 6mm	1
5	GT2 Timing Pulley 30 Tooth	3
6	MOD_NEMA_17_MOUNT_PLATE	1
7	NEMA_17_MOTOR	2
8	V-SLOT_670	1
9	PRINT_AREA	1
10	Idler Pulley Plate	1
11	Slot Washer 15 x 5 x 2	2
12	Ball Bearing 5 x 16 x 5	3
13	Smooth Idler Pulley Wheel	1
14	Nylon Spacer 0.125in	1
15	Precision Shim 8 x 5 x 1	25
16	Nylon Insert Lock Nut M5	13
17	M5 x 8	24
18	BEARING_PLATE	1
19	Encoder_Plate	2
20	ENCODER	2
21	PULLEY_6MM	2
22	M5 x 10	8
23	SHAFT_5mm	1
24	V-SLOT_LEGS	4
25	L Bracket Single	8
26	Tee Nut	28
27	M5 x 25	13
28	Delrin Mini V Wheel	12
29	Ball Bearing 5 x 10 x 4.2	24
30	Mini Eccentric Spacer 6mm	6
31	Aluminum Spacer 6mm	6
32	MOD_MINI_V_PLATE	2
33	ZINC PLATED STEEL 2.5 INCH L- BRACKET	4
34	Self Tapping Screw	4
35	BASE	1
36	LASER_PLATE	1
37	LASER_MOUNT	2
38	FREAKIN_LASER	1
39	LASER_DRIVER_APPROXIMATE_MODEL	1
40	6-32_2IN_FH_SCREW	2
41	Mini V Wheel Plate	1
42	M3 FLAT HEAD SCREWS (ENCODERS)	6
43	M3 SHC SCREW (MOTORS)	8
44	10-32 SCREWS (LASER MOUNT)	4
45	10-32 NUTS/ WASHERS	4
46	10-32 SELF TAPPING SCREWS 1 INCH LONG	4

THIS SHEET SHOWS ALL THE PARTS WITHIN EACH ITEM OR SUB-ASSEMBLY

ITEM NO.	PART NAME	QTY
1	V-SLOT_600	4
2	MOTOR_MOUNT	1
	MOD_NEMA_17_MOUNT_PLATE	1
	Double Tee Nut	1
	Flexible Coupling 5mm x 6mm	1
	GT2 Timing Pulley 30 Tooth	1
	M5 x 8	2
	NEMA_17_MOTOR	1
3	V-SLOT_670	1
4	PRINT_AREA	1
5	FREE_IDLER_PULLEY	1
	Idler Pulley Plate	1
	Double Tee Nut	1
	Slot Washer 15 x 5 x 2	2
	Ball Bearing 5 x 16 x 5	2
	Smooth Idler Pulley Wheel	1
	Nylon Spacer 0.125in	1
	Precision Shim 8 x 5 x 1	1
	Nylon Insert Lock Nut M5	1
	M5 x 25	1
	M5 x 8	2
6	MOTOR_MOUNT_2	1
	Motor Mount Plate Nema 17	1
	Double Tee Nut	1
	GT2 Timing Pulley 30 Tooth	1
	M5 x 8	2
	NEMA_17_MOTOR	1
7	BEARING_MOUNT	1
	BEARING_PLATE	1
	Double Tee Nut	1
	Ball Bearing 5 x 16 x 5	1
	M5 x 8	2
8	ENCODER_MOUNT	2
	Encoder_Plate	1
	ENCODER	1
	Double Tee Nut	1
	PULLEY_6MM	1
	M5 x 8	2
9	SHAFT_5mm	1
10	GT2 Timing Pulley 30 Tooth	1
11	V-SLOT_LEGS	4
12	CORNER_BRACKETS	8
	L Bracket Single	1
	Tee Nut	2
13	MOD_MINI_V_GANTRY_ASSEMBLY	2
	MOD_MINI_V_GANTRY	1
	M5 x 25	4
	Delrin Mini V Wheel	2
	Delrin Mini V Wheel	1
	Ball Bearing 5 x 10 x 4.2	2
	Precision Shim 8 x 5 x 1	2

	Nylon Insert Lock Nut M5	1
	Aluminum Spacer 6mm	1
	Delrin Mini V Wheel	2
	Delrin Mini V Wheel	1
	Ball Bearing 5 x 10 x 4.2	2
	Precision Shim 8 x 5 x 1	2
	Nylon Insert Lock Nut M5	1
	Mini Eccentric Spacer 6mm	1
	MOD_MINI_V_PLATE	1
	Double Tee Nut	1
	M5 x 10	2
14	L_BRACKET_ASSEMBLY	2
	ZINC PLATED STEEL 2.5 INCH L- BRACKET	1
	Self Tapping Screw	1
	Tee Nut	3
	M5 x 8	3
15	L_BRACKET_ASSEMBLY_REVERSE	2
	ZINC PLATED STEEL 2.5 INCH L- BRACKET	1
	Self Tapping Screw	1
	Tee Nut	3
	M5 x 8	3
16	BASE	1
17	LASER_ASSEMBLY	1
	LASER_PLATE	1
	FREAKIN_LASER_MOUNT	1
	LASER_MOUNT	2
	FREAKIN_LASER	1
	LASER_DRIVER_APPROXIMATE_MODEL	1
	6-32_2IN_FH_SCREW	2
	MINI_V_GANTRY	1
	M5 x 25	4
	Mini V Wheel Plate	1
	Delrin Mini V Wheel	2
	Delrin Mini V Wheel	1
	Ball Bearing 5 x 10 x 4.2	2
	Precision Shim 8 x 5 x 1	2
	Nylon Insert Lock Nut M5	1
	Aluminum Spacer 6mm	1
	Delrin Mini V Wheel	2
	Delrin Mini V Wheel	1
	Ball Bearing 5 x 10 x 4.2	2
	Precision Shim 8 x 5 x 1	2
	Nylon Insert Lock Nut M5	1
	Mini Eccentric Spacer 6mm	1
	M5 x 10	4