

PARTS LIST				
NO.	DESCRIPTION	P/N	WEIGHT	QTY
P1	PART -1 FABRICATED STATIC BASE PLATE	N/A	3.375 oz	1
PA	PART -A PURCHASED TURNTABLE	6031K16	3.1 oz	1
FS	FASTENER PURCHASED S/S #6-32 x 1/4" SOCKET HEX	N/A	N/A	8
FS	FASTENER PURCHASED S/S #6-32 x 3/8" SOCKET HEX	N/A	N/A	4
P2	PART -2 FABRICATED PAN BASE PLATE	N/A	3.057 oz	1
PB	PART -B PURCHASED SERVO PLATE	575112	0.2 oz	1
PC	PART -C PURCHASED SERVO SHAFT HUB	525123	0.35 oz	1
PD	PART -D PURCHASED #6-32 x ??" LONG ROUND STANDOFF	??	N/A	4
FS	FASTENER PURCHASED S/S #6-32 x 3/8" SOCKET HEX	N/A	N/A	8
P3	PART -3 FABRICATED PAN BASE UPRIGHT	N/A	2.586 oz	2
PE	PART -E PURCHASED 90° BEAM BLOCKS	585600	N/A	8
FS	FASTENER PURCHASED S/S #6-32 x 3/8" SOCKET HEX	N/A	N/A	16
P4	PART -4 FABRICATED STATIC CRADLE BASE	N/A	4.301 oz	1
PF	PART -F PURCHASED 90° BEAM BLOCKS	585600	N/A	4
FS	FASTENER PURCHASED S/S #6-32 x 3/8" SOCKET HEX	N/A	N/A	8
P5	PART -5 FABRICATED STATIC CRADLE UPRIGHT	N/A	2.189 oz	1
PG	PART -G PURCHASED SERVO MOUNT ASSEMBLY W/ HUB	637112	1.3 oz	1
PH	PART -H PURCHASED #6-32 x ??" LONG ROUND STANDOFF	??	N/A	4
FS	FASTENER PURCHASED S/S #6-32 x ??" SOCKET HEX	N/A	N/A	??
P6	PART -6 FABRICATED STATIC CRADLE UPRIGHT	N/A	2.507 oz	1
PI	PART -C PURCHASED SWIVEL HUB	545364	0.40 oz	1
FS	FASTENER PURCHASED S/S #6-32 x 3/8" SOCKET HEX	N/A	N/A	8
P7	PART -7 FABRICATED TILT CRADLE BASE	N/A	4.046 oz	1
PF	PART -D PURCHASED 90° BEAM BLOCKS	585600	N/A	4
FS	FASTENER PURCHASED S/S #6-32 x 3/8" SOCKET HEX	N/A	N/A	8
P8	PART -8 FABRICATED TILT CRADLE UPRIGHT	N/A	1.637 oz	2
FS	FASTENER PURCHASED S/S #6-32 x 3/8" SOCKET HEX	N/A	N/A	4
TOTAL			1 lb 13 oz	

PROJECT	PAN-TILT MOUNT
DATE	2015-03-29
DRAWING SCALE	1:1
DRAWN BY	B. TINGEY
APPROVED BY	K. TINGEY
ASSEMBLY -1	
SHEET	1 OF 9

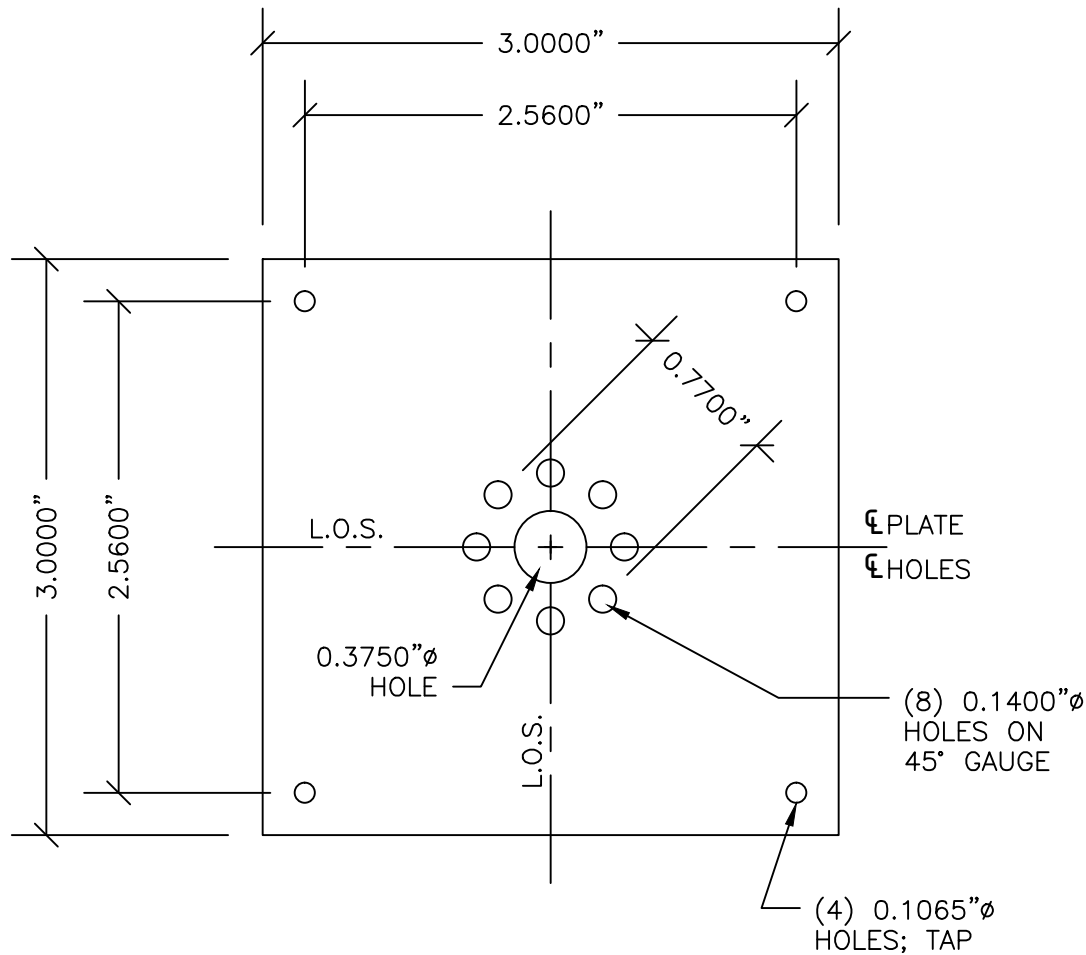
ASSEMBLY -1 PAN-TILT MOUNT

SCALE: N.T.S.

UNITS: INCHES, TOLERANCE: 0.0001"
 MATERIAL: 0.2500" THICK, ALUMINUM

FASTENERS: #6-32 MACHINE SCREWS
 0.1400"Ø - THROUGH BOLT
 0.1065"Ø - TAPPED

L.O.S - LINE OF SYMMETRY



P1 **PART -1**
BASE PLATE - STATIC
 REF ASSEMBLY -1
 SCALE: 1:1

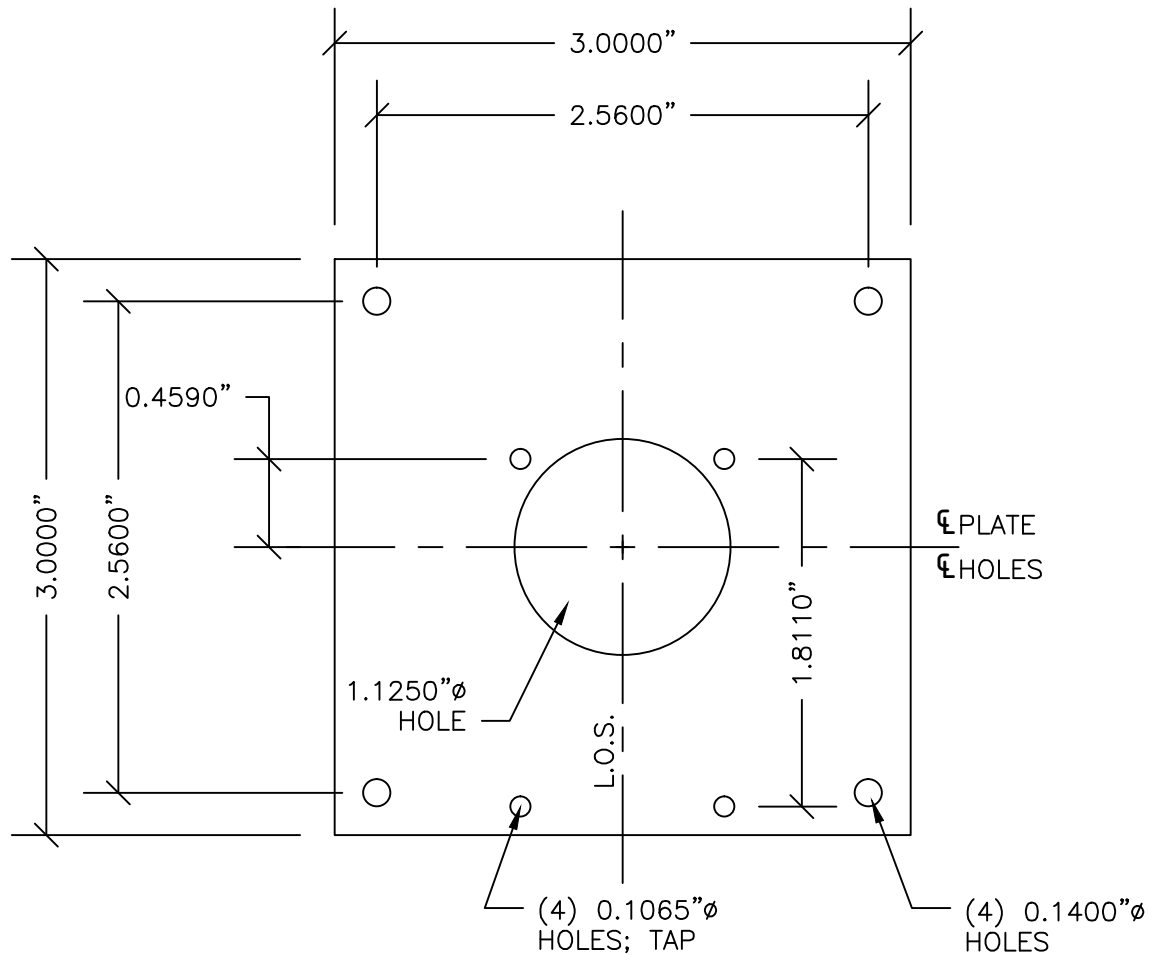
PROJECT	PAN-TILT MOUNT
DATE	2015-03-29
DRAWING SCALE	1:1
DRAWN BY	B. TINGEY
APPROVED BY	K. TINGEY
PART -1	
SHEET	2 OF 9

C:\USERS\TINGEY\DOCUMENTS\MY ADEPT WORKAREA\KYLE.DWG
PLOTTED: 4/4/2016 1:28:18 PM, BY: BRETT TINGEY PLOTSTYLE: NCRW.STB, PROJECT STATUS: -----

UNITS: INCHES, TOLERANCE: 0.0001"
MATERIAL: 0.2500" THICK, ALUMINUM

FASTENERS: #6-32 MACHINE SCREWS
0.1400"Ø - THROUGH BOLT
0.1065"Ø - TAPPED

L.O.S - LINE OF SYMMETRY

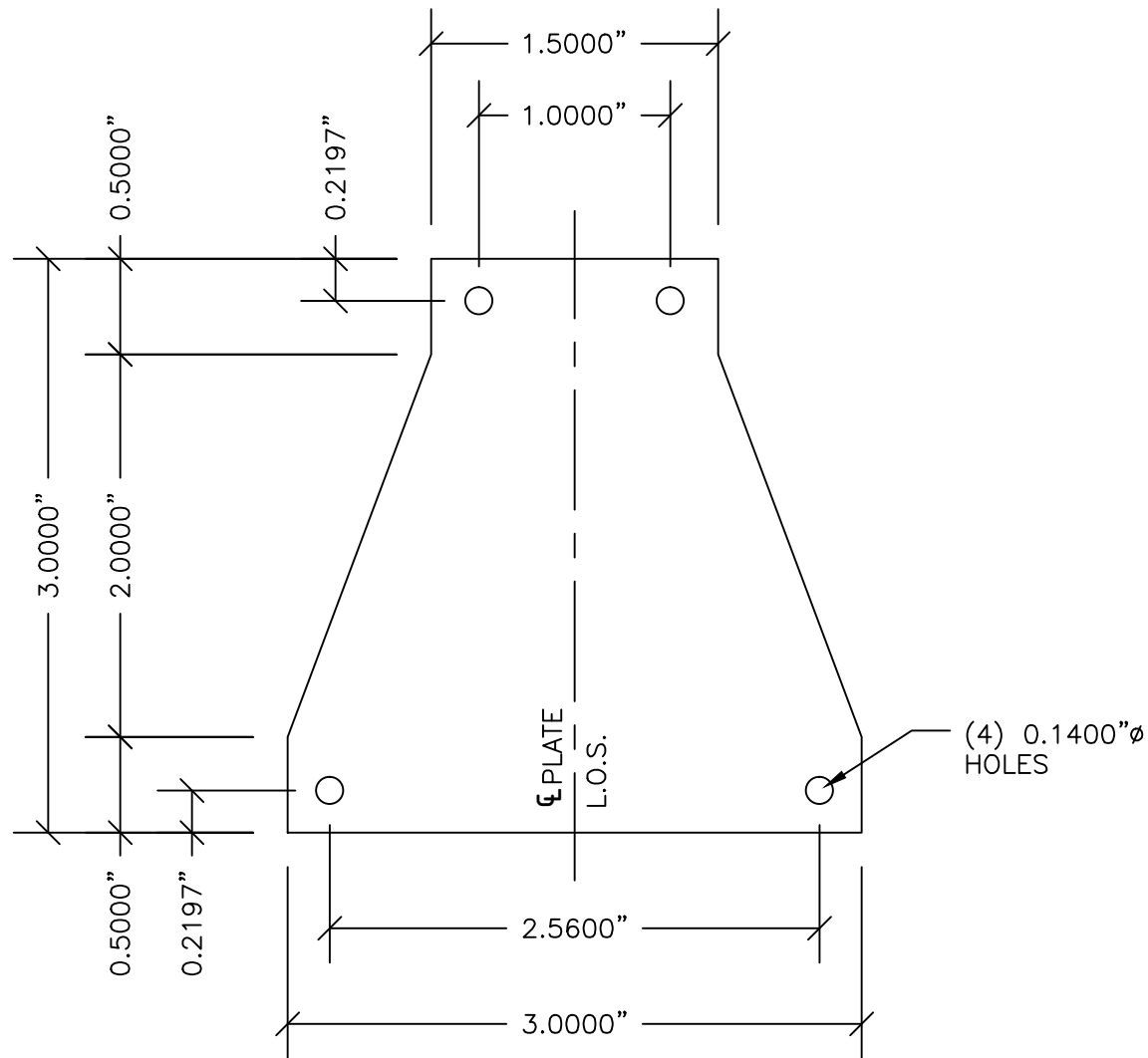


PART -2 P2 BASE PLATE - PAN

REF ASSEMBLY -1
SCALE: 1:1

PROJECT	PAN-TILT MOUNT
DATE	2015-03-29
DRAWING SCALE	1:1
DRAWN BY	B. TINGEY
APPROVED BY	K. TINGEY
PART -2	
SHEET	3 OF 9

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UNITS: INCHES, TOLERANCE: 0.0001"
MATERIAL: 0.2500" THICK, ALUMINUM

FASTENERS: #6-32 MACHINE SCREWS
0.1400"φ - THROUGH BOLT
0.1065"φ - TAPPED

L.O.S - LINE OF SYMMETRY

P3 PART -3 BASE UPRIGHT - TYPICAL FOR (2)

REF ASSEMBLY -1
SCALE: 1:1

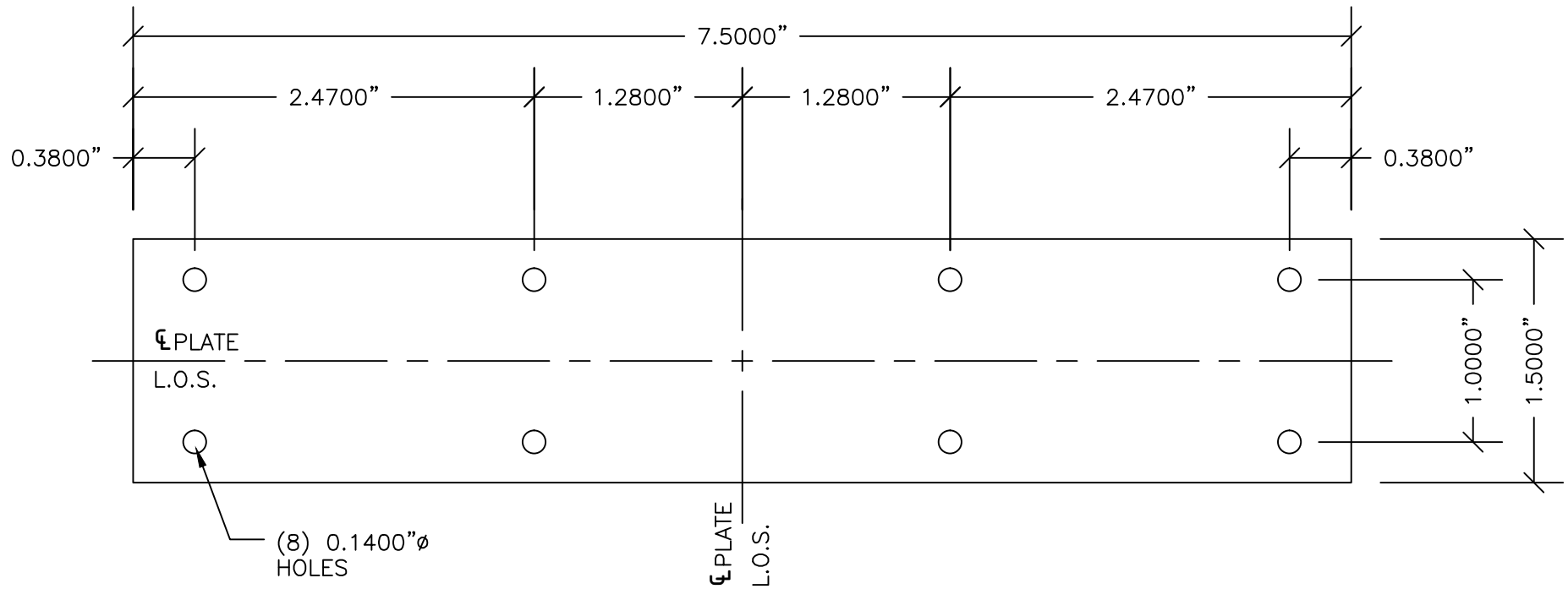
PROJECT	PAN-TILT MOUNT
DATE	2015-03-29
DRAWING SCALE	1:1
DRAWN BY	B. TINGEY
APPROVED BY	K. TINGEY
PART -3	
SHEET	4 OF 9

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MATERIAL: 0.2500" THICK, ALUMINUM

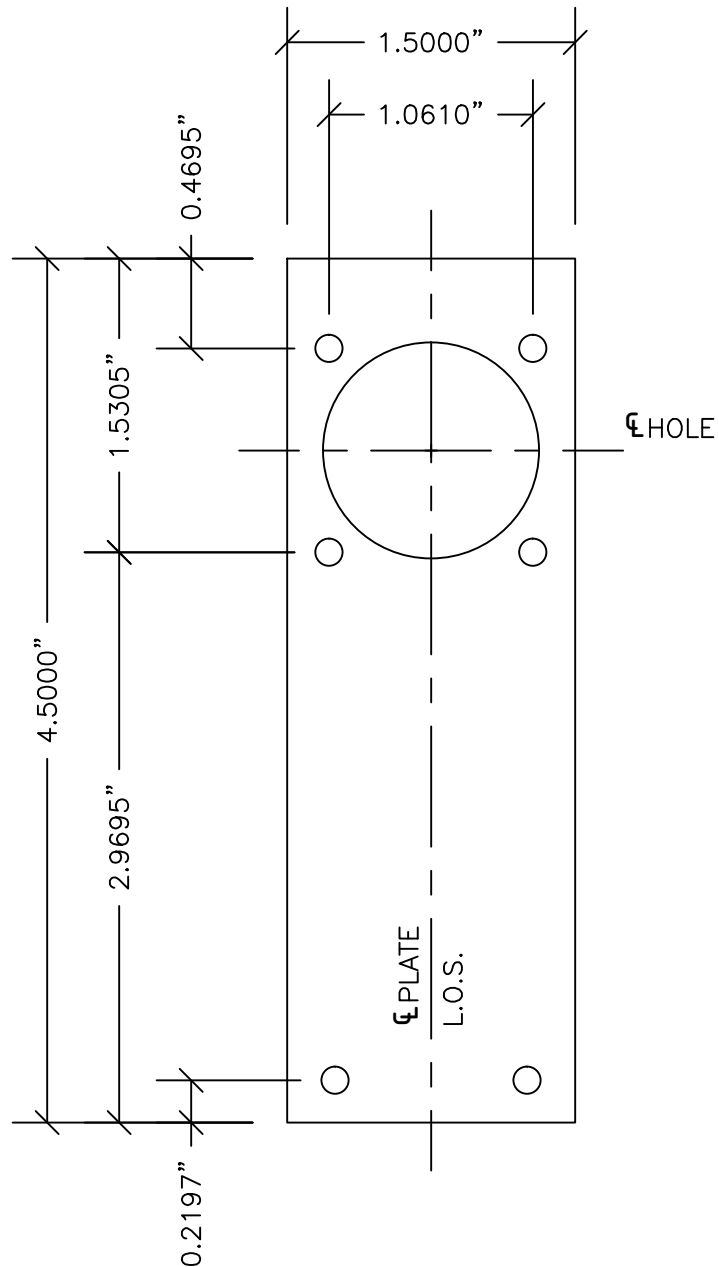
FASTENERS: #6-32 MACHINE SCREWS
0.1400"Ø - THROUGH BOLT
0.1065"Ø - TAPPED

L.O.S - LINE OF SYMMETRY



PART -4
P4 CRADLE BASE - STATIC
REF ASSEMBLY -1
SCALE: 1:1

PROJECT	PAN-TILT MOUNT
DATE	2015-03-29
DRAWING SCALE	1:1
DRAWN BY	B. TINGEY
APPROVED BY	K. TINGEY
PART -4	
SHEET	5 OF 9



UNITS: INCHES, TOLERANCE: 0.0001"
 MATERIAL: 0.2500" THICK, ALUMINUM

FASTENERS: #6-32 MACHINE SCREWS
 0.1400"Ø - THROUGH BOLT
 0.1065"Ø - TAPPED

L.O.S - LINE OF SYMMETRY

P5 PART -5 CRADLE UPRIGHT - STATIC

REF ASSEMBLY -1
 SCALE: 1:1

PROJECT	PAN-TILT MOUNT
DATE	2015-03-29
DRAWING SCALE	1:1
DRAWN BY	B. TINGEY
APPROVED BY	K. TINGEY
PART -5	
SHEET	6 OF 9



REF ASSEMBLY -1
SCALE: 1:1

L.O.S – LINE OF SYMMETRY

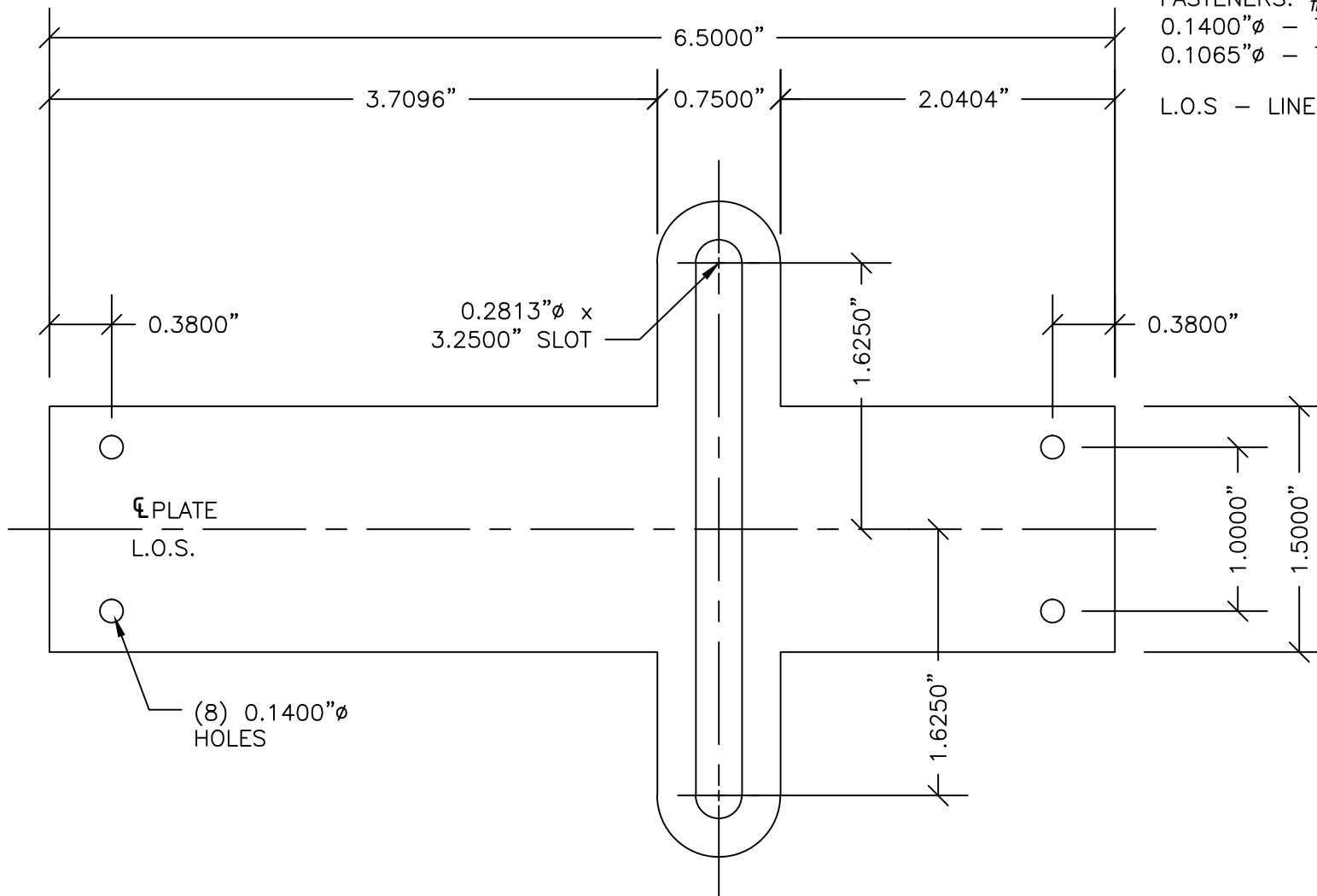
PROJECT	PAN-TILT MOUNT
DATE	2015-03-29
DRAWING SCALE	1:1
DRAWN BY	B. TINGEY
APPROVED BY	K. TINGEY
<h1 style="text-align: center;">PART -6</h1>	
<h2 style="text-align: center;">SHEET 7 OF 9</h2>	

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PLOTTED: 4/4/2016 1:28:49 PM, BY: BRETT TINGEY PLOTSTYLE: NCRW.STB, PROJECT STATUS: -----

UNITS: INCHES, TOLERANCE: 0.0001"
MATERIAL: 0.2500" THICK, ALUMINUM

FASTENERS: #6-32 MACHINE SCREWS
0.1400"Ø - THROUGH BOLT
0.1065"Ø - TAPPED

L.O.S - LINE OF SYMMETRY



PART -7

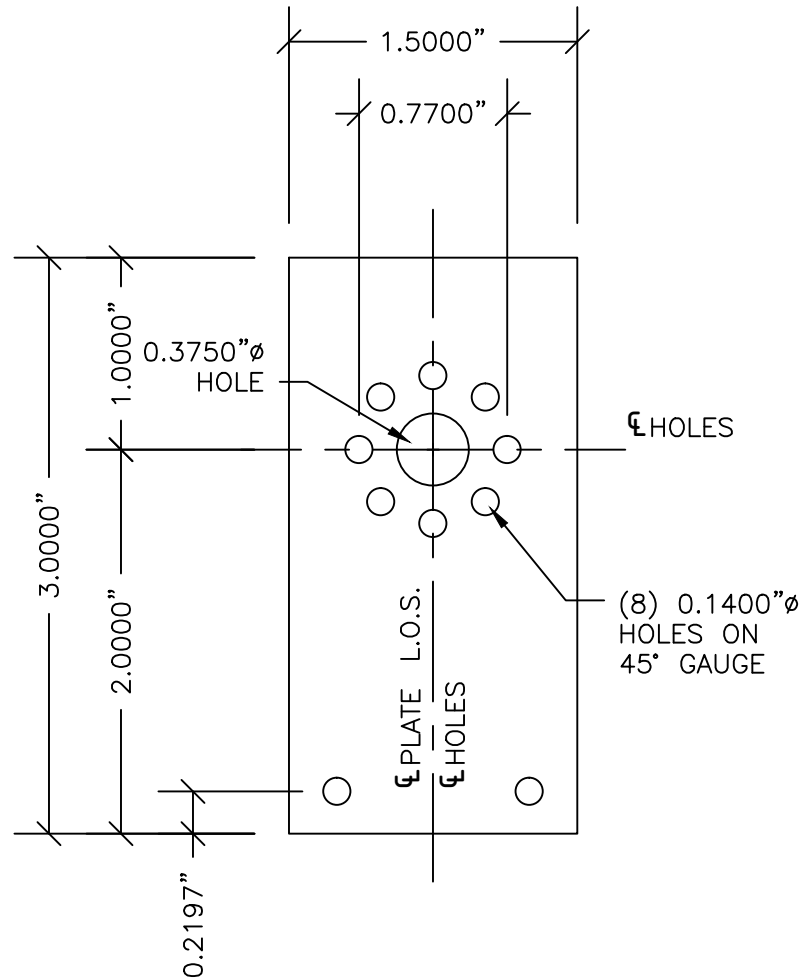
P7 CRADLE BASE - TILT

REF ASSEMBLY -1
SCALE: 1:1

PROJECT	PAN-TILT MOUNT
DATE	2015-03-29
DRAWING SCALE	1:1
DRAWN BY	B. TINGEY
APPROVED BY	K. TINGEY
PART -7	
SHEET	8 OF 9

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PLOTTED: 4/4/2016 1:29:55 PM, BY: BRETT TINGEY PLOTSTYLE: NCRW.STB, PROJECT STATUS: -----

P8 **PART -8**
CRADLE UPRIGHT - TILT
REF ASSEMBLY -1
SCALE: 1:1



UNITS: INCHES, TOLERANCE: 0.0001"
MATERIAL: 0.2500" THICK, ALUMINUM

FASTENERS: #6-32 MACHINE SCREWS
0.1400" ϕ - THROUGH BOLT
0.1065" ϕ - TAPPED

L.O.S - LINE OF SYMMETRY

PROJECT	PAN-TILT MOUNT
DATE	2015-03-29
DRAWING SCALE	1:1
DRAWN BY	B. TINGEY
APPROVED BY	K. TINGEY
PART -8	
SHEET	9 OF 9