

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/31	W. SOOHOO

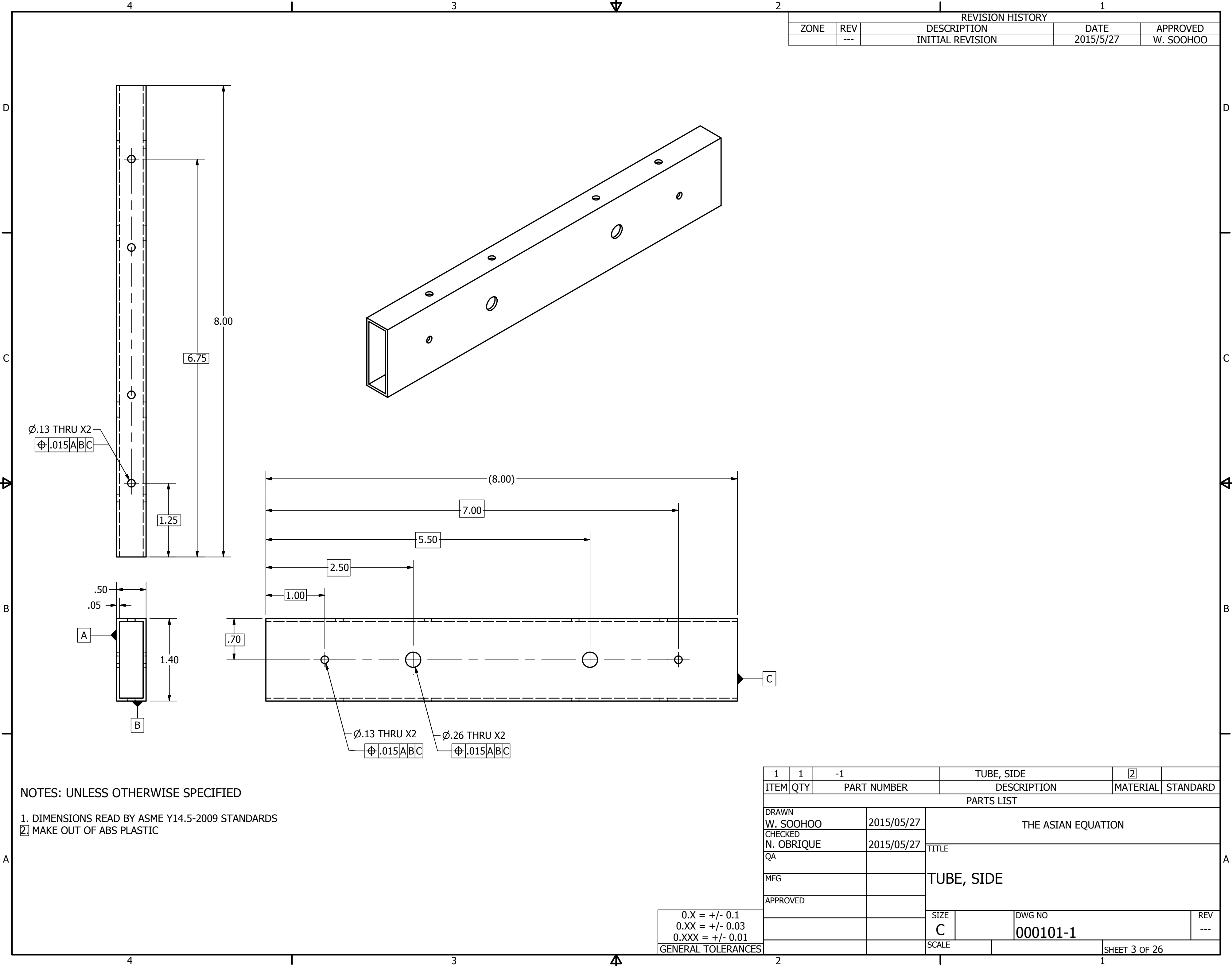
NOTES: UNLESS OTHERWISE SPECIFIED

1. DIMENSIONS READ BY ASME Y14.5-2009 STANDARDS  
2. MAKE OUT OF ABS PLASTIC

0.X = +/- 0.1
0.XX = +/- 0.03
0.XXX = +/- 0.01
GENERAL TOLERANCES

12	4	000110	MOUNT, MOTOR
11	4	000109	MOTOR
10	4	000108	AXLE, HEX
9	4	000107	COLLAR
8	16	000106	NUT
7	8	000105-2	SCREW, LONG
6	8	000105-1	SCREW, SHORT
5	4	000104	WHEEL
4	1	000103	PLATE, BASE
3	4	000102	BRACKET, L
2	2	000101-2	TUBE, FRONT
1	2	000101-1	TUBE, SIDE
ITEM	QTY	PART NUMBER	DESCRIPTION

PARTS LIST				
DRAWN	2015/05/31	THE ASIAN EQUATION		
W. SOOHOO				
CHECKED				
C. ROSALES	2015/05/31			
QA		BASE, DRIVE		
MFG				
APPROVED				
		SIZE	DWG NO	REV
		C	000100	---
		SCALE	SHEET 2 OF 26	



REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/27	W. SOOHOO

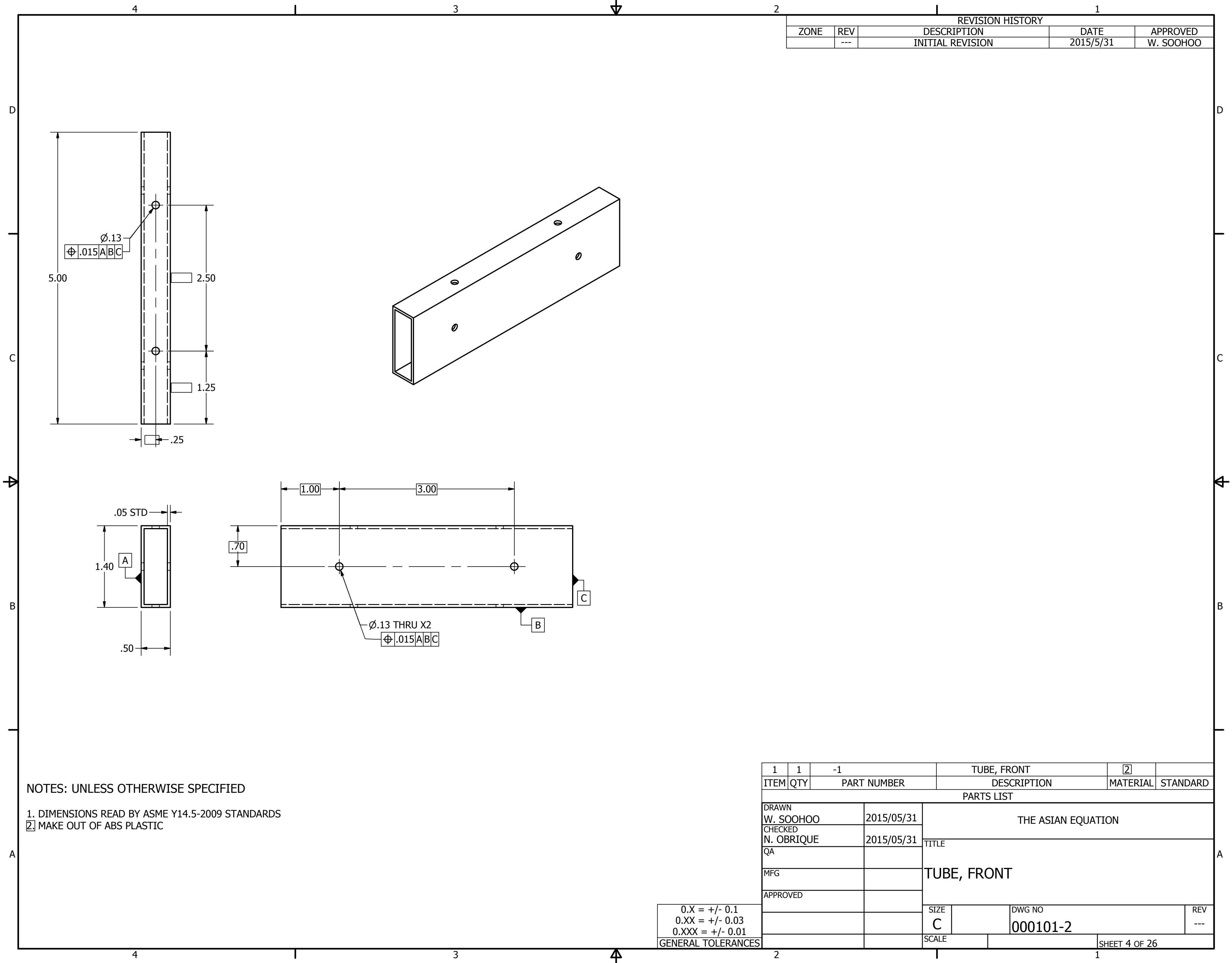
1	1	-1	TUBE, SIDE		2	
ITEM	QTY	PART NUMBER	DESCRIPTION		MATERIAL	STANDARD
PARTS LIST						
DRAWN		2015/05/27	THE ASIAN EQUATION			
W. SOOHOO						
CHECKED		2015/05/27	TITLE			
N. OBRIQUE						
QA			TUBE, SIDE			
MFG						
APPROVED			DWG NO			
			SIZE	000101-1		REV
			C			---
			SCALE			SHEET 3 OF 26

NOTES: UNLESS OTHERWISE SPECIFIED

- 1. DIMENSIONS READ BY ASME Y14.5-2009 STANDARDS
- 2. MAKE OUT OF ABS PLASTIC

0.X = +/- 0.1  
0.XX = +/- 0.03  
0.XXX = +/- 0.01

GENERAL TOLERANCES



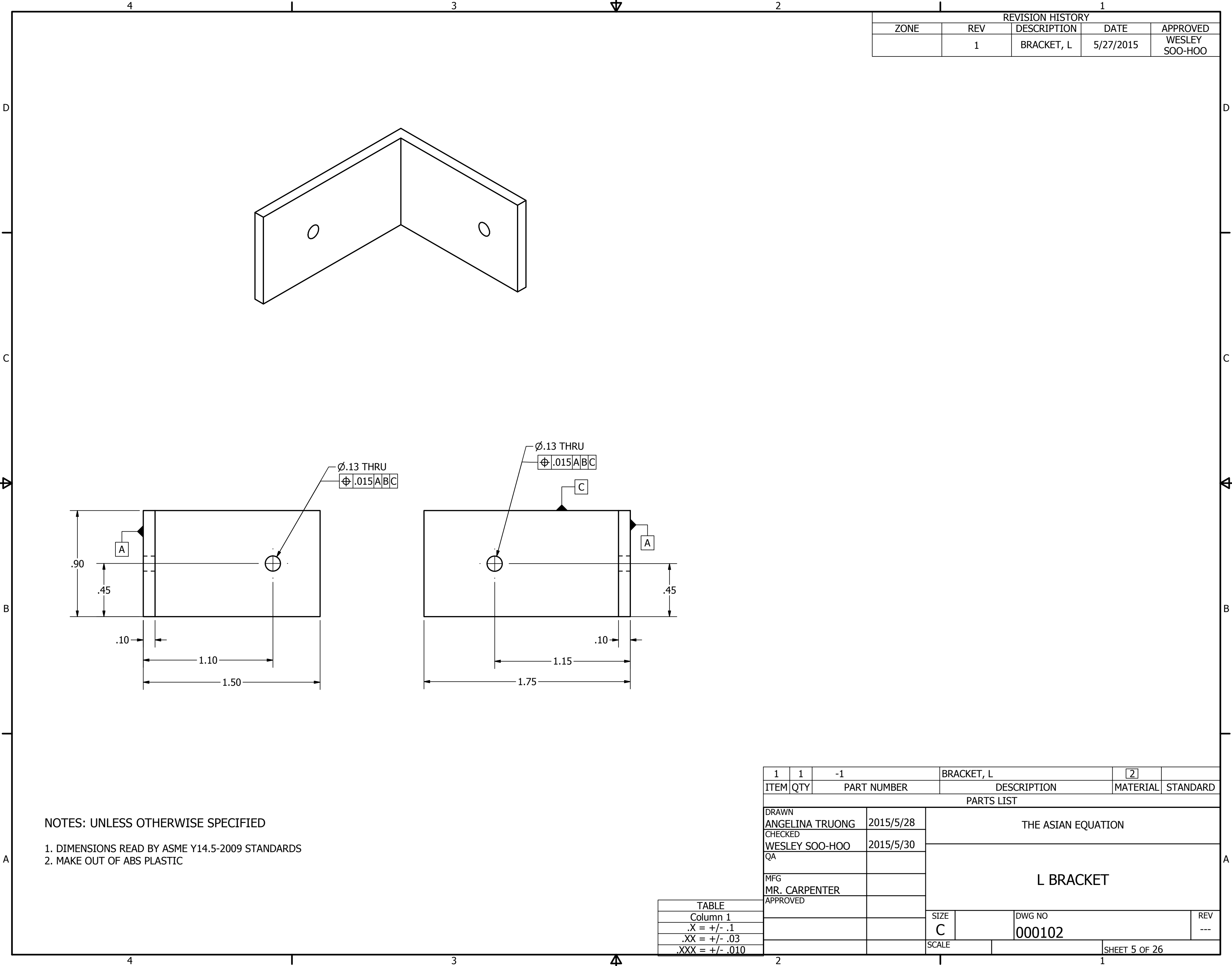
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/31	W. SOOHOO

NOTES: UNLESS OTHERWISE SPECIFIED

- 1. DIMENSIONS READ BY ASME Y14.5-2009 STANDARDS
- 2. MAKE OUT OF ABS PLASTIC

0.X = +/- 0.1
0.XX = +/- 0.03
0.XXX = +/- 0.01
GENERAL TOLERANCES

1	1	-1	TUBE, FRONT			2	
ITEM	QTY	PART NUMBER	DESCRIPTION			MATERIAL	STANDARD
PARTS LIST							
DRAWN		2015/05/31		THE ASIAN EQUATION			
W. SOOHOO							
CHECKED		2015/05/31		TUBE, FRONT			
N. OBRIQUE							
QA							
MFG							
APPROVED							
				SIZE	DWG NO		REV
				C	000101-2		---
				SCALE		SHEET 4 OF 26	



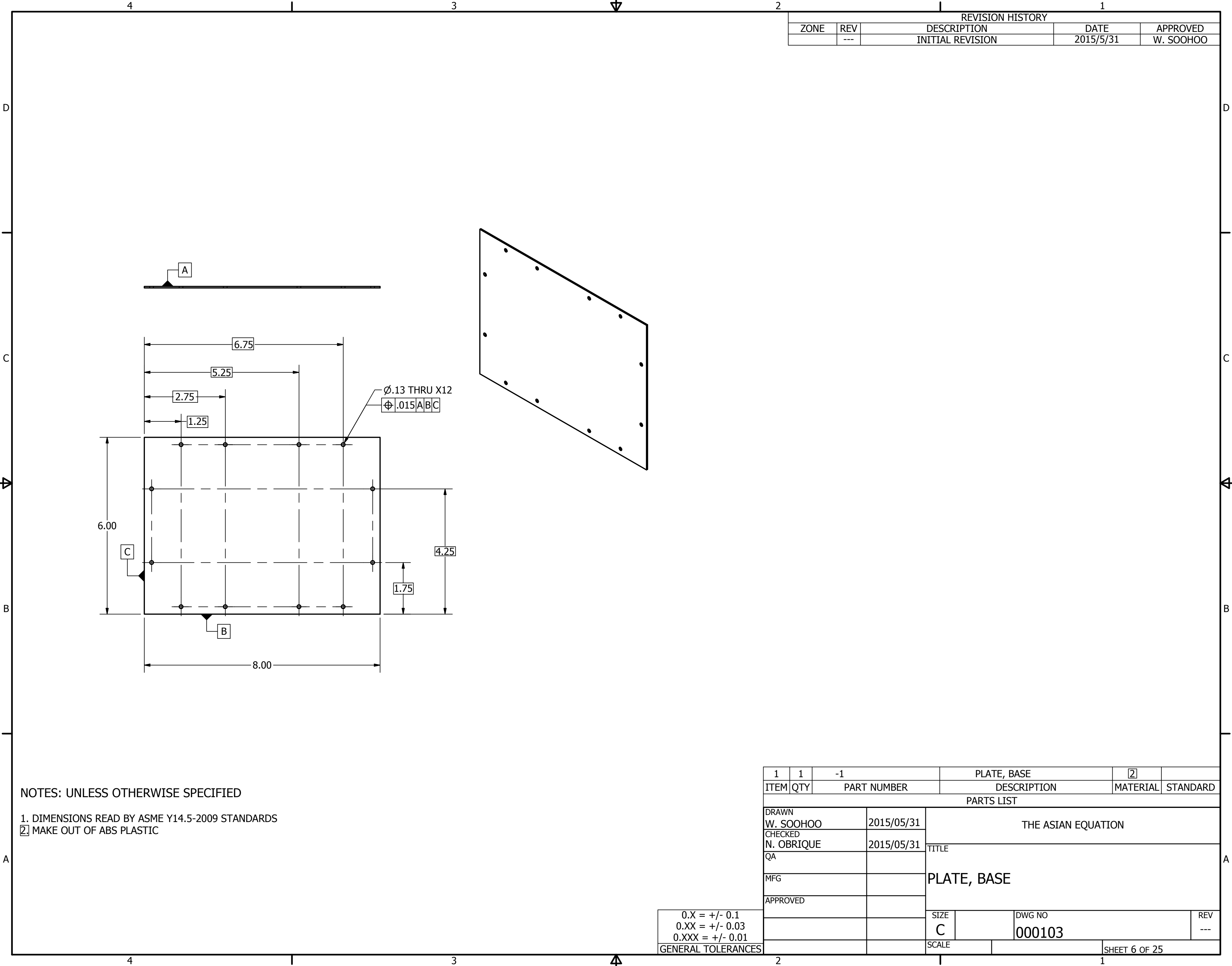
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	BRACKET, L	5/27/2015	WESLEY SOO-HOO

NOTES: UNLESS OTHERWISE SPECIFIED

- DIMENSIONS READ BY ASME Y14.5-2009 STANDARDS
- MAKE OUT OF ABS PLASTIC

TABLE
Column 1
.X = +/- .1
.XX = +/- .03
.XXX = +/- .010

1	1	-1	BRACKET, L		2	
ITEM	QTY	PART NUMBER	DESCRIPTION		MATERIAL	STANDARD
PARTS LIST						
DRAWN		2015/5/28	THE ASIAN EQUATION			
ANGELINA TRUONG						
CHECKED		2015/5/30	L BRACKET			
WESLEY SOO-HOO						
QA						
MFG						
MR. CARPENTER						
APPROVED						
			SIZE		DWG NO	REV
			C		000102	---
			SCALE			SHEET 5 OF 26



REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/31	W. SOOHOO

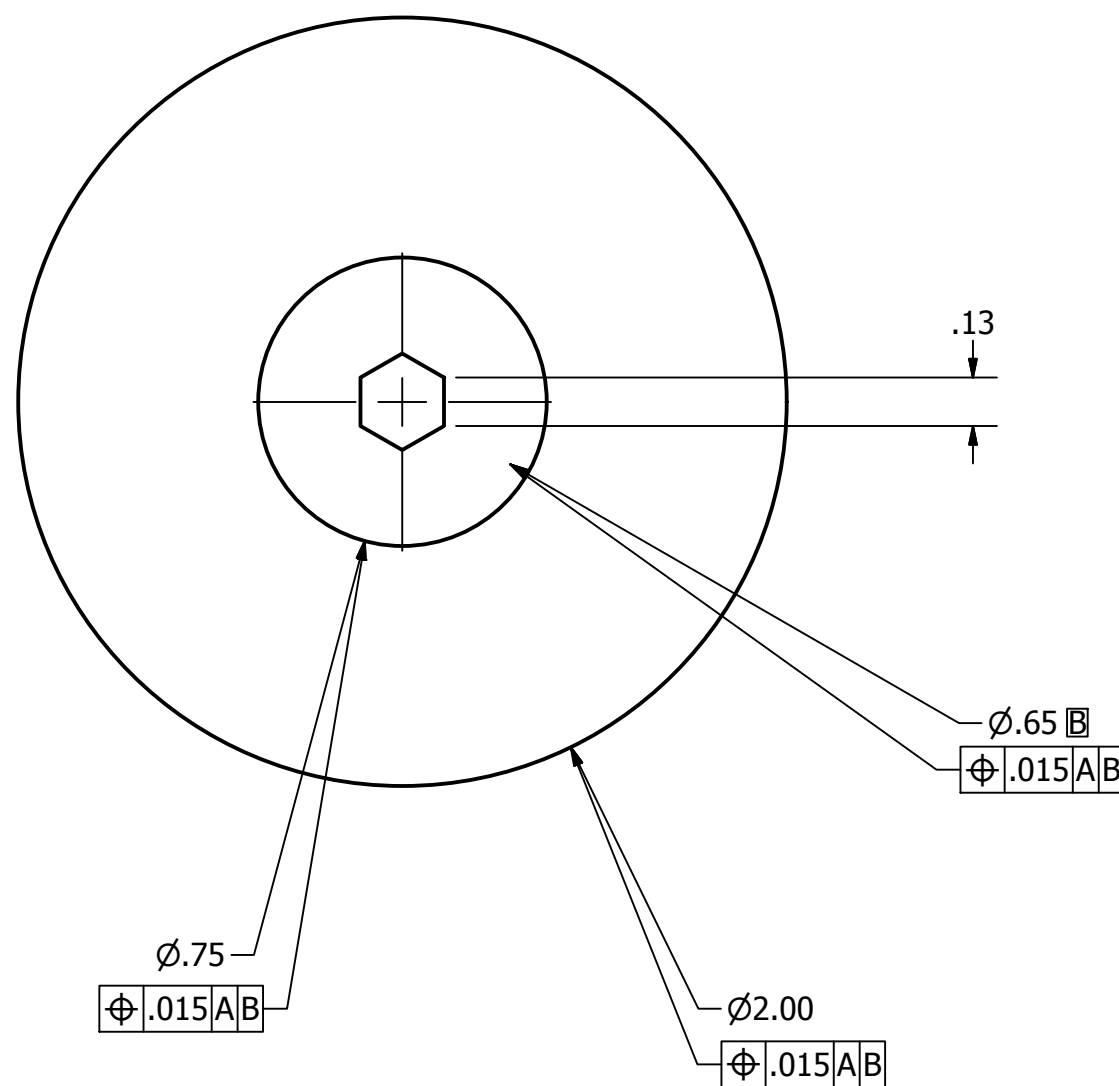
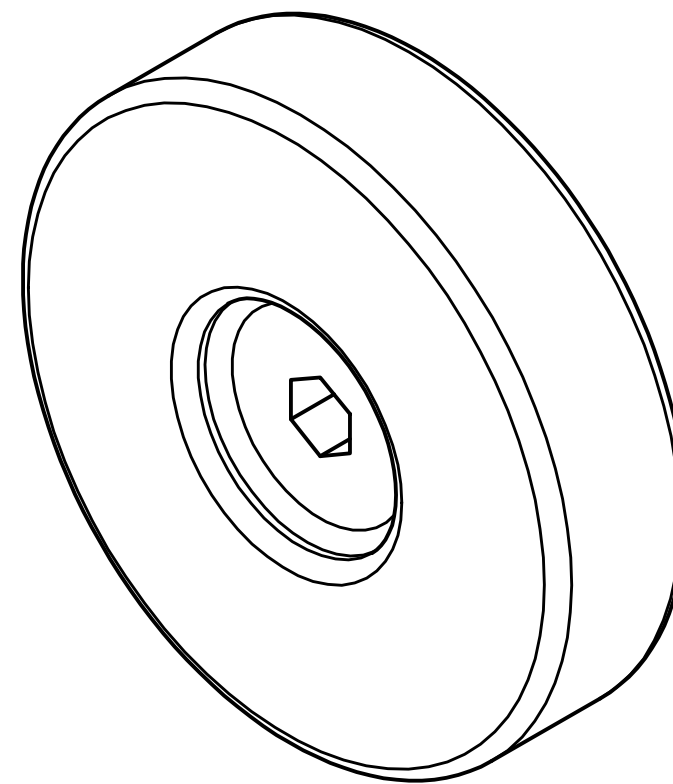
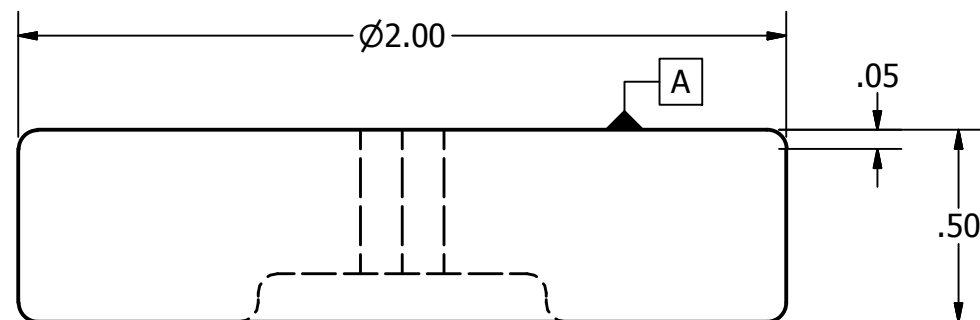
NOTES: UNLESS OTHERWISE SPECIFIED

- DIMENSIONS READ BY ASME Y14.5-2009 STANDARDS
- MAKE OUT OF ABS PLASTIC

0.X = +/- 0.1
0.XX = +/- 0.03
0.XXX = +/- 0.01
GENERAL TOLERANCES

1	1	-1	PLATE, BASE		2	
ITEM	QTY	PART NUMBER	DESCRIPTION		MATERIAL	STANDARD
PARTS LIST						
DRAWN		2015/05/31	THE ASIAN EQUATION			
W. SOOHOO						
CHECKED						
N. OBRIQUE		2015/05/31				
QA			TITLE			
MFG						
APPROVED						
			PLATE, BASE			
			SIZE	DWG NO		REV
			C	000103		---
			SCALE		SHEET 6 OF 25	

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	INITIAL REVISION	5/29/2015	A. TRUONG

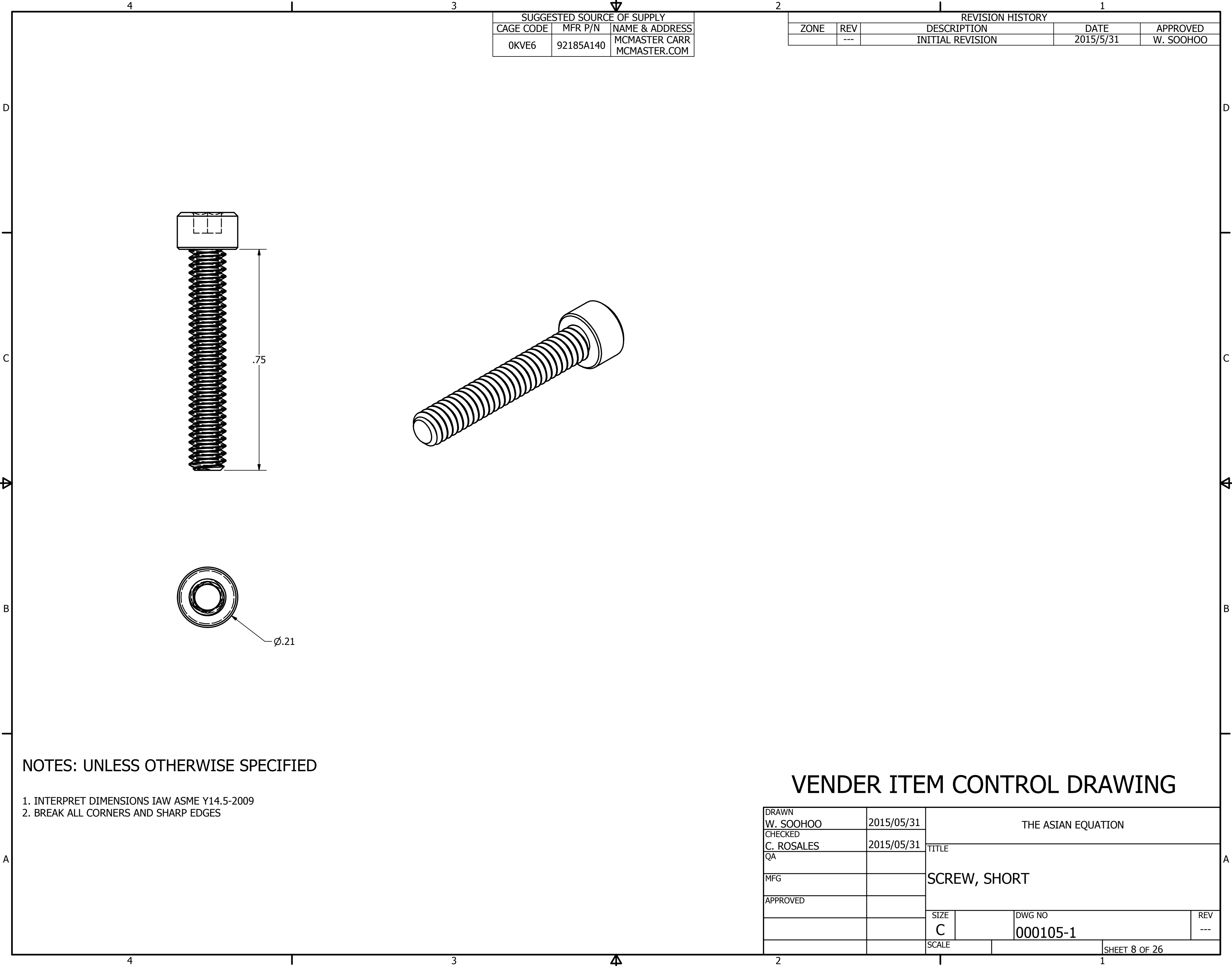


NOTES: UNLESS OTHERWISE SPECIFIED

1. DIMENSIONS READ BY ASME Y14.5-2009 STANDARDS
2. MAKE OUT OF ABS PLASTIC
3. ALL FILLETS ARE R0.05

1	1	-1	WHEEL			2	
ITEM	QTY	PART NUMBER	DESCRIPTION			MATERIAL	STANDARD
PARTS LIST							
DRAWN ANGELINA TRUONG		2015/5/29	THE ASIAN EQUATION   TITLE   WHEEL				
CHECKED WESLEY SOO-HOO		2015/5/29					
QA							
MFG							
APPROVED							
			SIZE C	DWG NO 000104			REV ---
			SCALE			SHEET 7 OF 26	

TABLE
Column 1
.X = +/- .1
.XX = +/- .03
.XXX = +/- .010



SUGGESTED SOURCE OF SUPPLY		
CAGE CODE	MFR P/N	NAME & ADDRESS
0KVE6	92185A140	MCMaster CARR MCMaster.COM

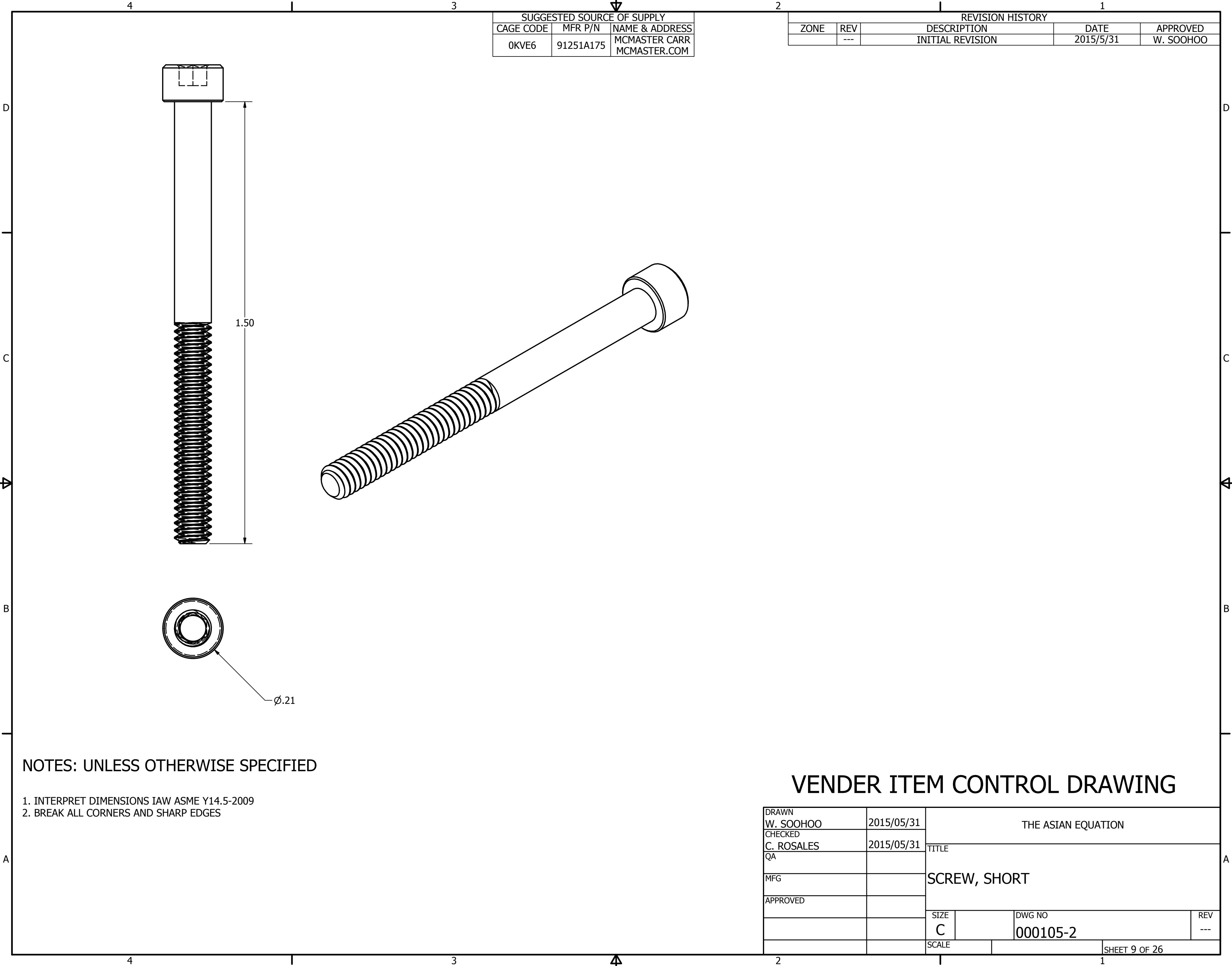
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/31	W. SOOHOO

NOTES: UNLESS OTHERWISE SPECIFIED

- 1. INTERPRET DIMENSIONS IAW ASME Y14.5-2009
- 2. BREAK ALL CORNERS AND SHARP EDGES

VENDER ITEM CONTROL DRAWING

DRAWN W. SOOHOO	2015/05/31	THE ASIAN EQUATION		
CHECKED C. ROSALES	2015/05/31	TITLE		
QA		SCREW, SHORT		
MFG				
APPROVED				
		SIZE C	DWG NO 000105-1	REV ---
		SCALE	SHEET 8 OF 26	



SUGGESTED SOURCE OF SUPPLY		
CAGE CODE	MFR P/N	NAME & ADDRESS
0KVE6	91251A175	MCMaster CARR MCMaster.COM

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/31	W. SOOHOO

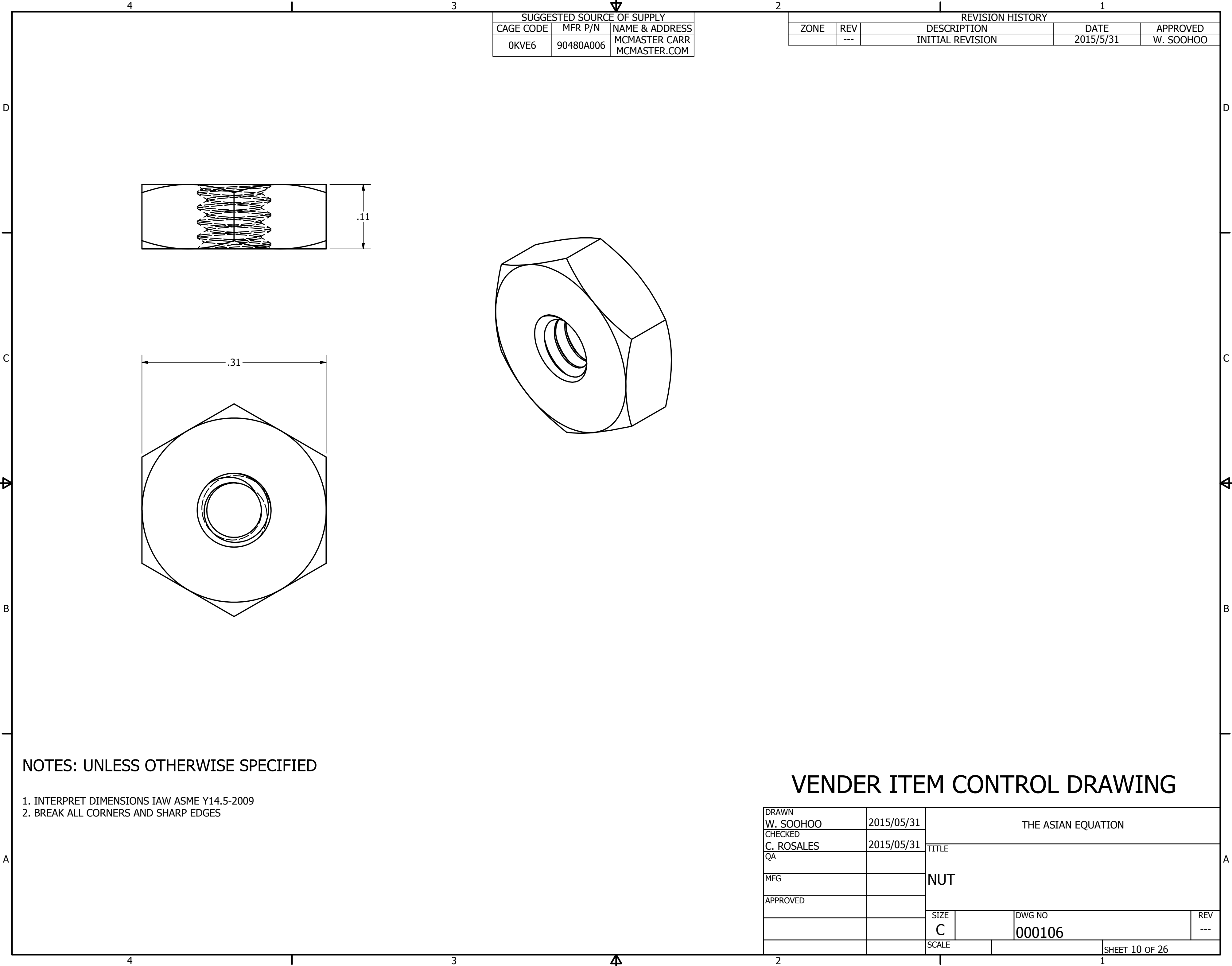
NOTES: UNLESS OTHERWISE SPECIFIED

- 1. INTERPRET DIMENSIONS IAW ASME Y14.5-2009
- 2. BREAK ALL CORNERS AND SHARP EDGES

VENDER ITEM CONTROL DRAWING

DRAWN W. SOOHOO	2015/05/31	THE ASIAN EQUATION		
CHECKED C. ROSALES	2015/05/31	TITLE		
QA		SCREW, SHORT		
MFG				
APPROVED				
		SIZE C	DWG NO 000105-2	REV ---
		SCALE	SHEET 9 OF 26	





SUGGESTED SOURCE OF SUPPLY		
CAGE CODE	MFR P/N	NAME & ADDRESS
0KVE6	90480A006	MCMASTER CARR MCMASTER.COM

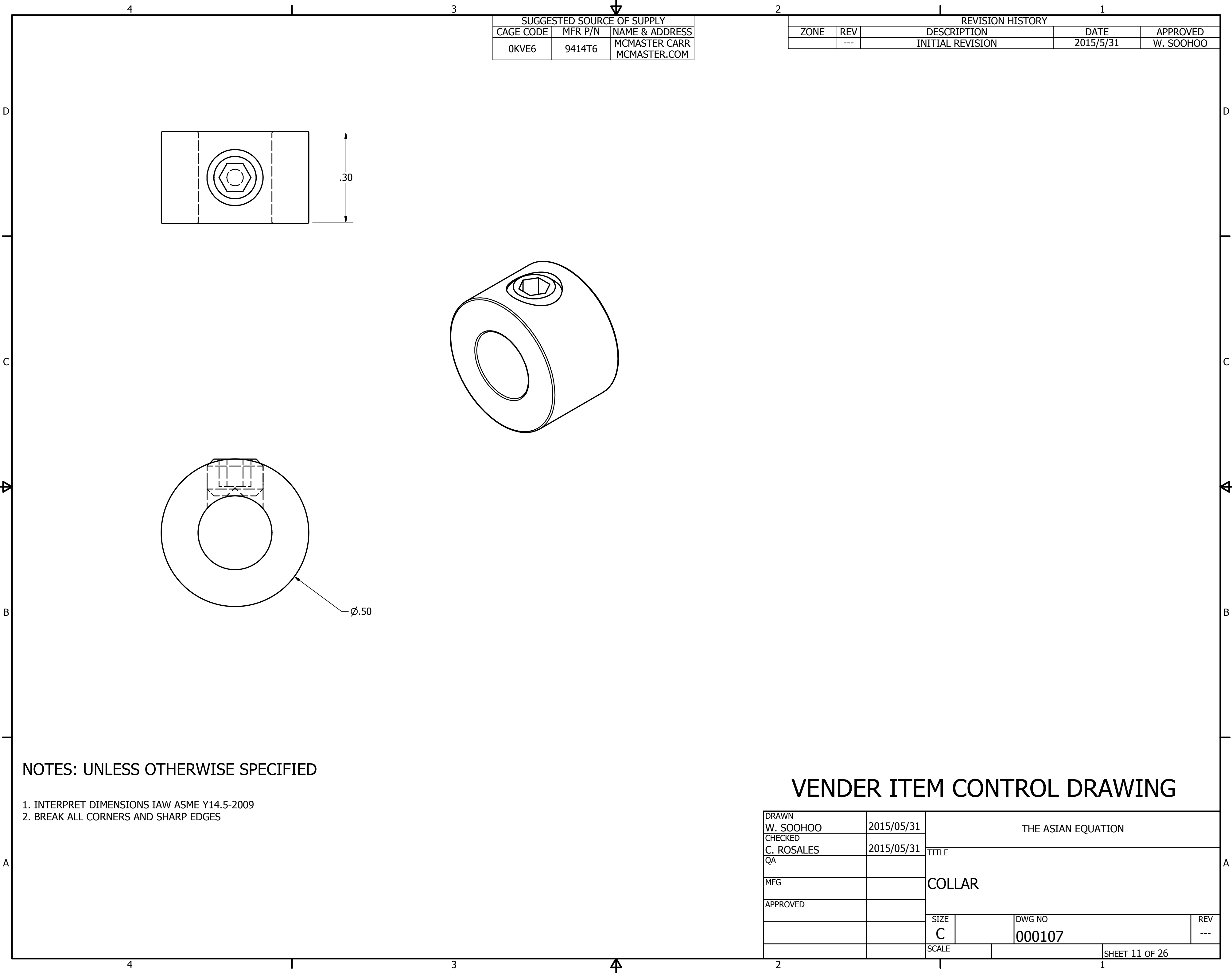
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/31	W. SOOHOO

NOTES: UNLESS OTHERWISE SPECIFIED

- 1. INTERPRET DIMENSIONS IAW ASME Y14.5-2009
- 2. BREAK ALL CORNERS AND SHARP EDGES

VENDER ITEM CONTROL DRAWING

DRAWN	W. SOOHOO	2015/05/31	THE ASIAN EQUATION		
CHECKED	C. ROSALES	2015/05/31			
QA			NUT		
MFG					
APPROVED					
			SIZE		DWG NO
			C		000106
			SCALE		SHEET 10 OF 26



SUGGESTED SOURCE OF SUPPLY		
CAGE CODE	MFR P/N	NAME & ADDRESS
0KVE6	9414T6	MCMaster CARR MCMaster.COM

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/31	W. SOOHOO

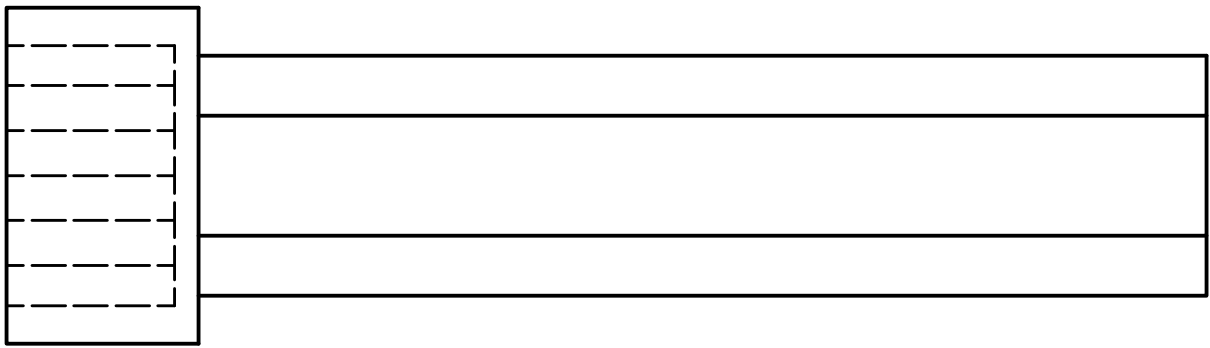
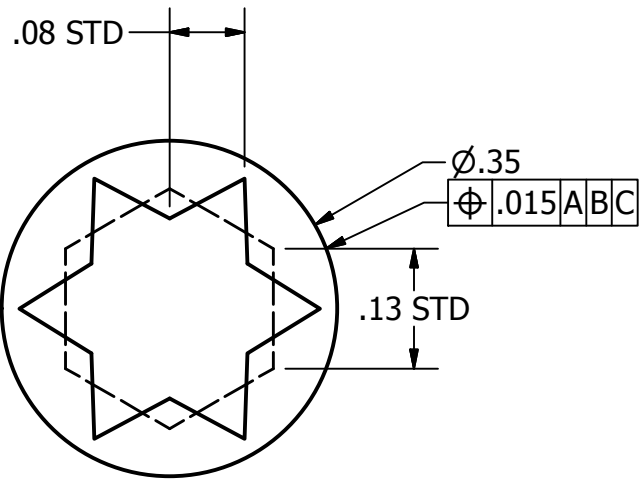
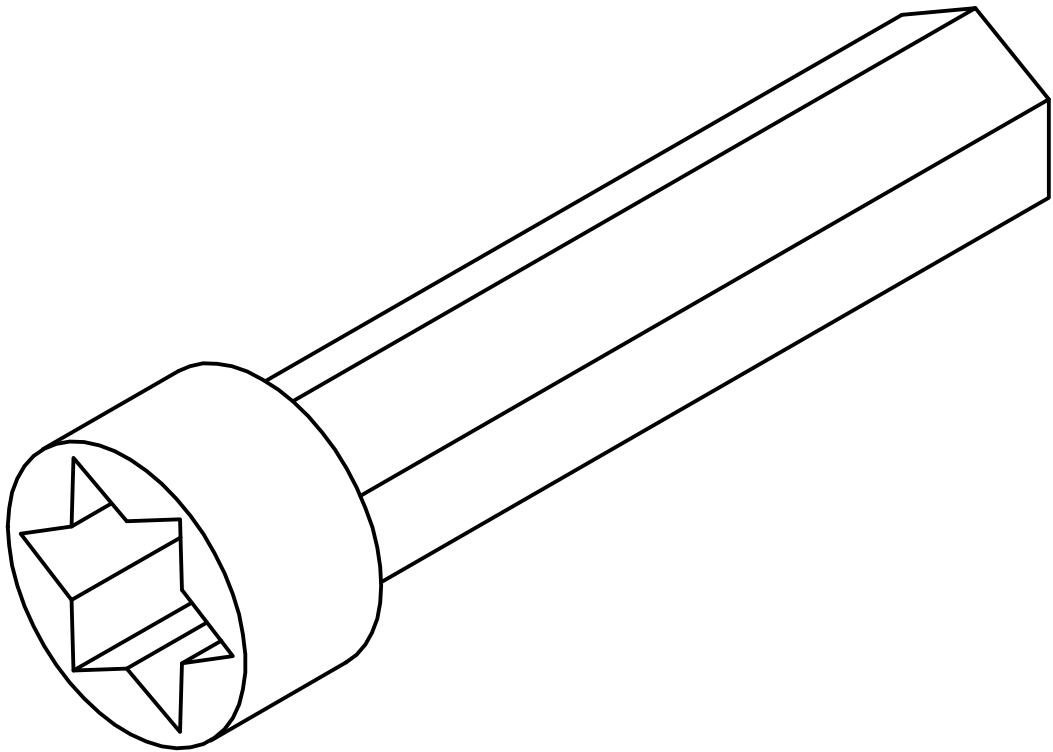
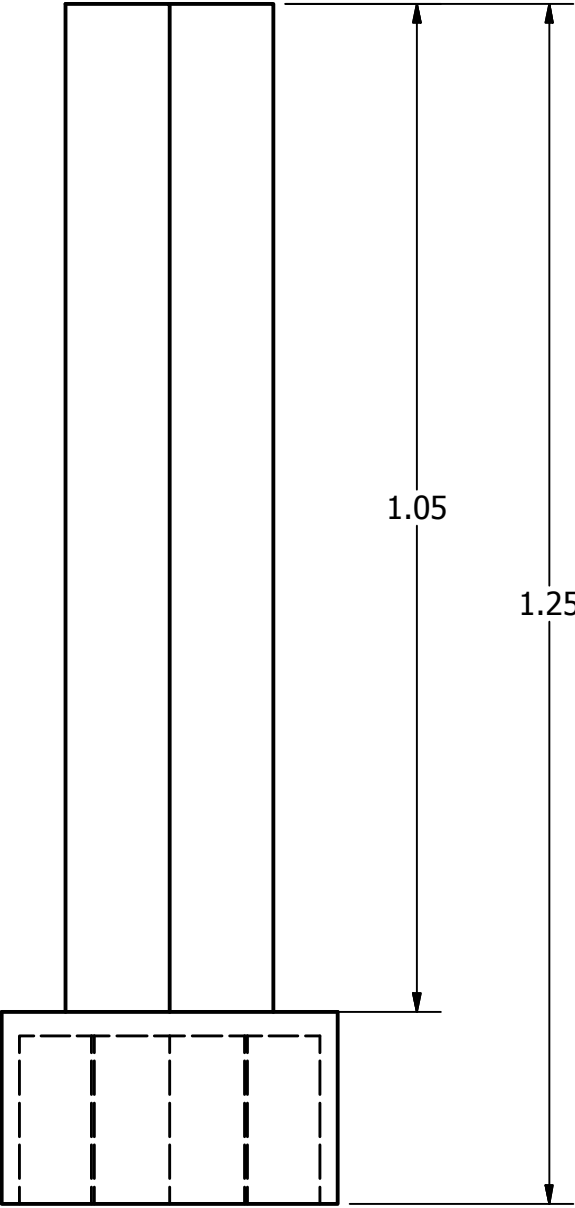
NOTES: UNLESS OTHERWISE SPECIFIED

- 1. INTERPRET DIMENSIONS IAW ASME Y14.5-2009
- 2. BREAK ALL CORNERS AND SHARP EDGES

VENDER ITEM CONTROL DRAWING

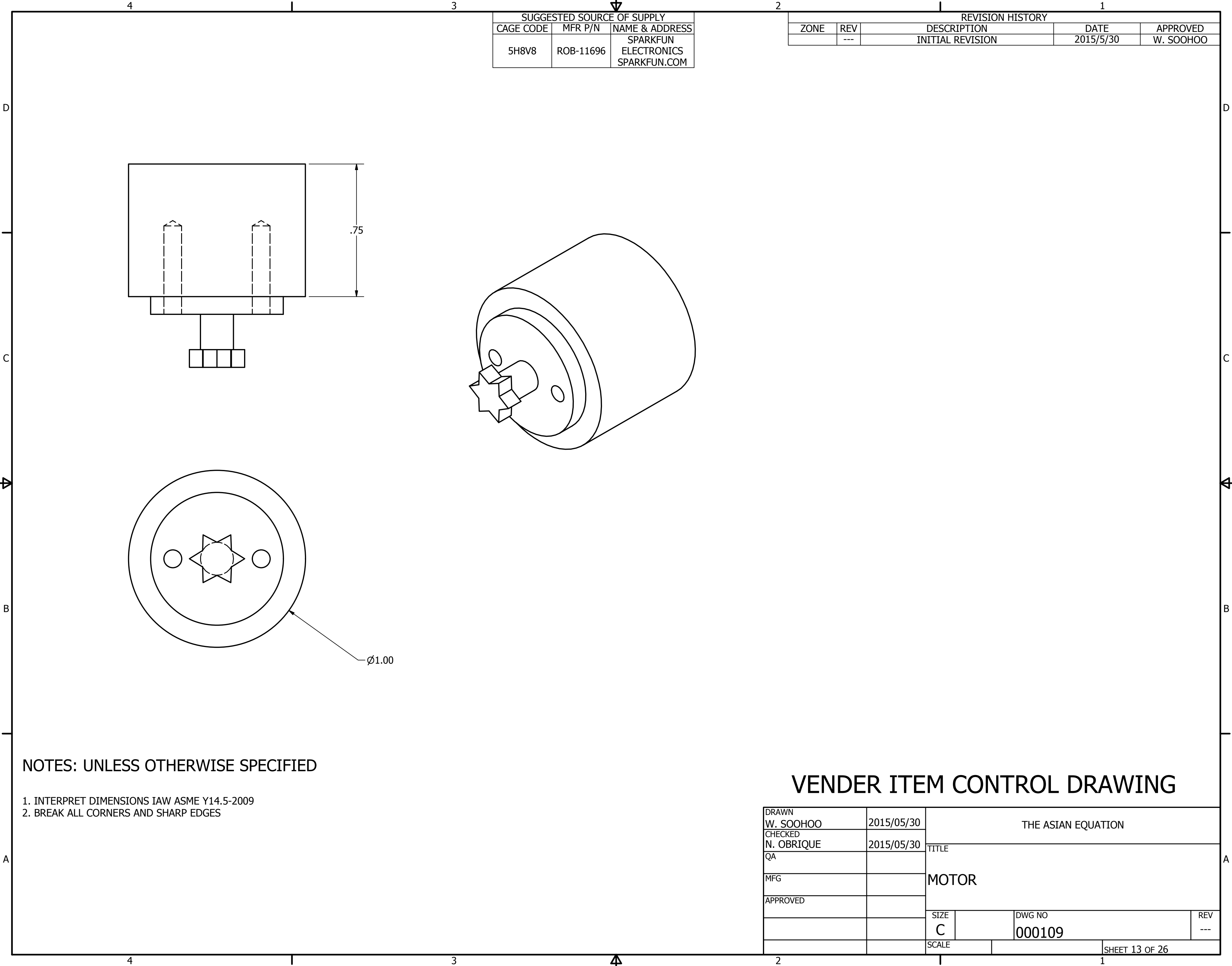
DRAWN W. SOOHOO	2015/05/31	THE ASIAN EQUATION		
CHECKED C. ROSALES	2015/05/31	TITLE		
QA		COLLAR		
MFG				
APPROVED				
		SIZE C	DWG NO 000107	REV ---
		SCALE	SHEET 11 OF 26	

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/30	W. SOOHOO



NOTES: UNLESS OTHERWISE SPECIFIED  
1. INTERPRET DIMENSIONS AND TOLERANCING IAW ASME Y14.5-2009.  
2. MAKE FROM 1.75' THK 6061-T6 ALUMINUM ALLOY PLATE.  
3. BREAK ALL CORNERS AND SHARP EDGES.  
4. DIMENSIONS APPLY AFTER PLATING.

DRAWN N. OBRIQUE	2015/5/30	CAMS IED		
CHECKED W. SOOHOO	2015/5/30	TITLE		
QA		HEX AXLE		
MFG				
APPROVED				
		SIZE C	DWG NO 000108	REV ---
		SCALE	SHEET 12 OF 26	



SUGGESTED SOURCE OF SUPPLY		
CAGE CODE	MFR P/N	NAME & ADDRESS
5H8V8	ROB-11696	SPARKFUN ELECTRONICS SPARKFUN.COM

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/30	W. SOOHOO

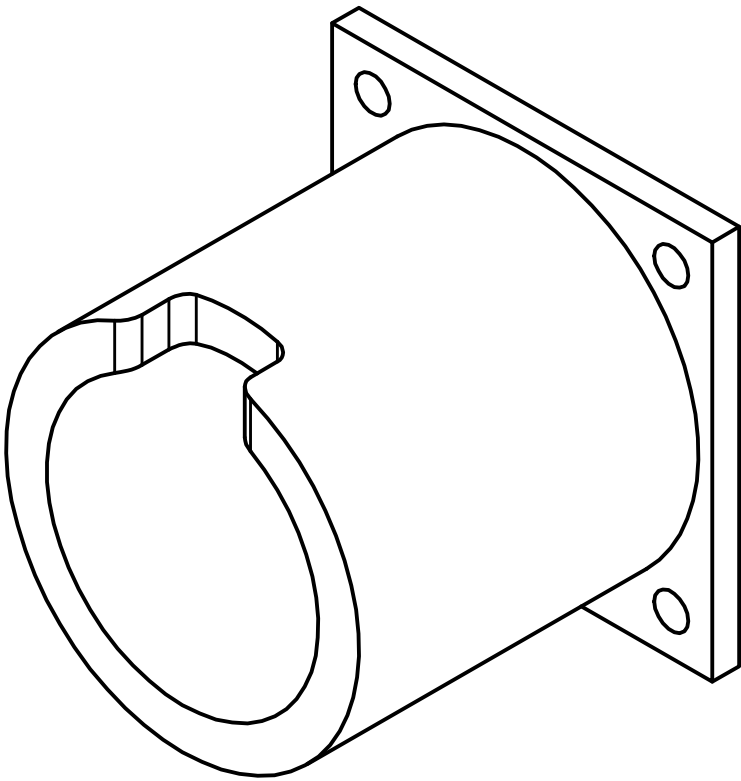
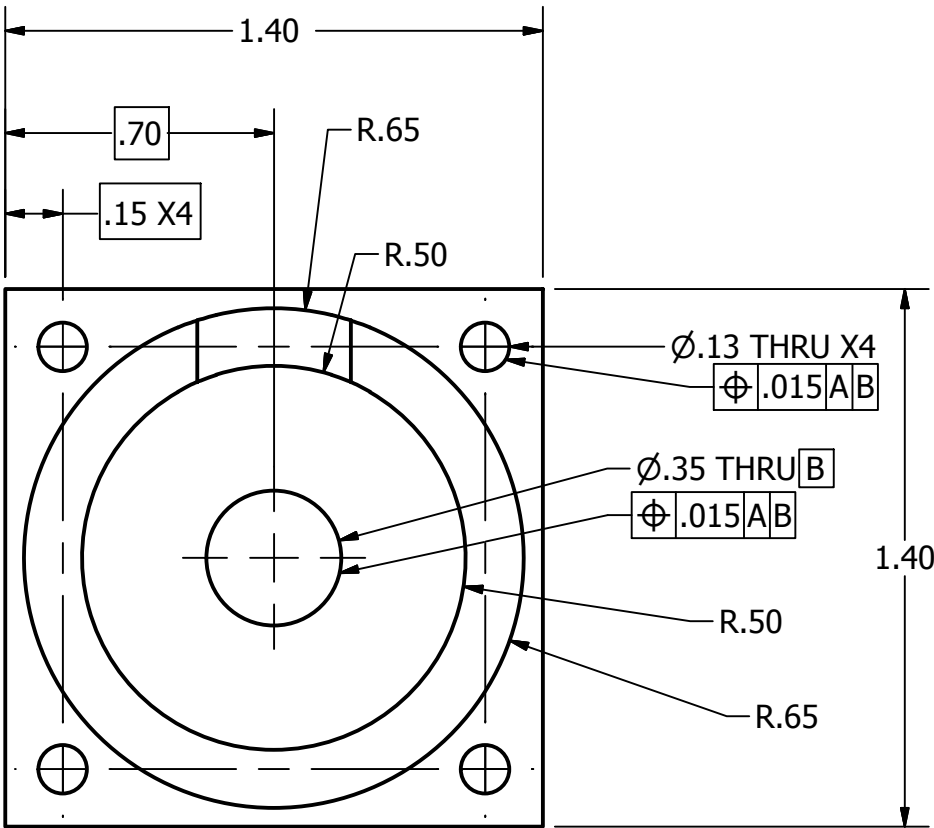
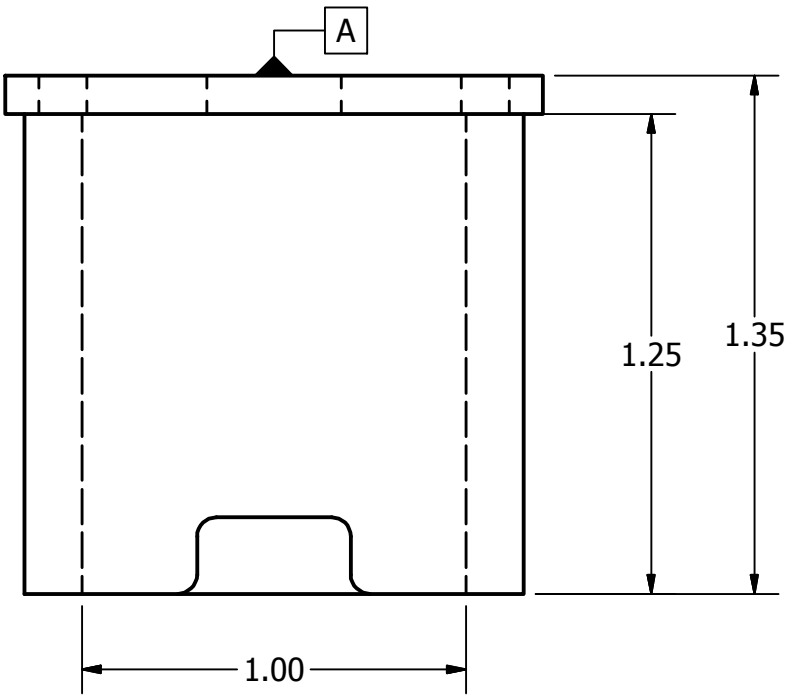
NOTES: UNLESS OTHERWISE SPECIFIED

- 1. INTERPRET DIMENSIONS IAW ASME Y14.5-2009
- 2. BREAK ALL CORNERS AND SHARP EDGES

VENDER ITEM CONTROL DRAWING

DRAWN	W. SOOHOO	2015/05/30	THE ASIAN EQUATION		
CHECKED	N. OBRIQUE	2015/05/30	TITLE		
QA			MOTOR		
MFG					
APPROVED					
			SIZE	DWG NO	REV
			C	000109	---
			SCALE	SHEET 13 OF 26	

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	---	INITIAL REVISION	2015/5/30	W. SOOHOO



- NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONS AND TOLERANCING IAW ASME Y14.5-2009.
  2. MAKE FROM 1.75' THK 6061-T6 ALUMINUM ALLOY PLATE.
  3. BREAK ALL CORNERS AND SHARP EDGES.
  4. DIMENSIONS APPLY AFTER PLATING.

GENERAL TOLERANCES	
.X	+/- .1
.XX	+/- .03
.XXX	+/- .010

DRAWN N. OBRIQUE	2015/5/30	CAMS IED		
CHECKED W. SOOHOO	2015/5/30	TITLE		
QA		MOUNT, MOTOR		
MFG				
APPROVED				
		SIZE C	DWG NO 000110	REV ---
		SCALE	SHEET 14 OF 26	