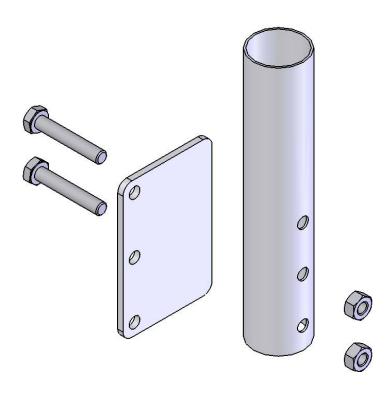


DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	# aa2	PART NAI	ME: Right Armre Assembly	est Bracket
MATERIAL: 1018 Carbon Steel				
FINISH: Powder Coat	PROJECT TITLE: India Wheelchair			
AUTHOR: Emily Zipfel	Human Engineering Research Lab			
PRINCIPAL INVESTIGATOR: Dr. Rory Cooper		SCALE:1:1	DATE: March 1, 2004	SHEET 1 OF 1



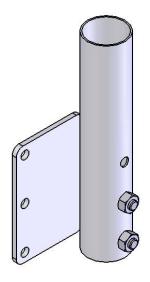
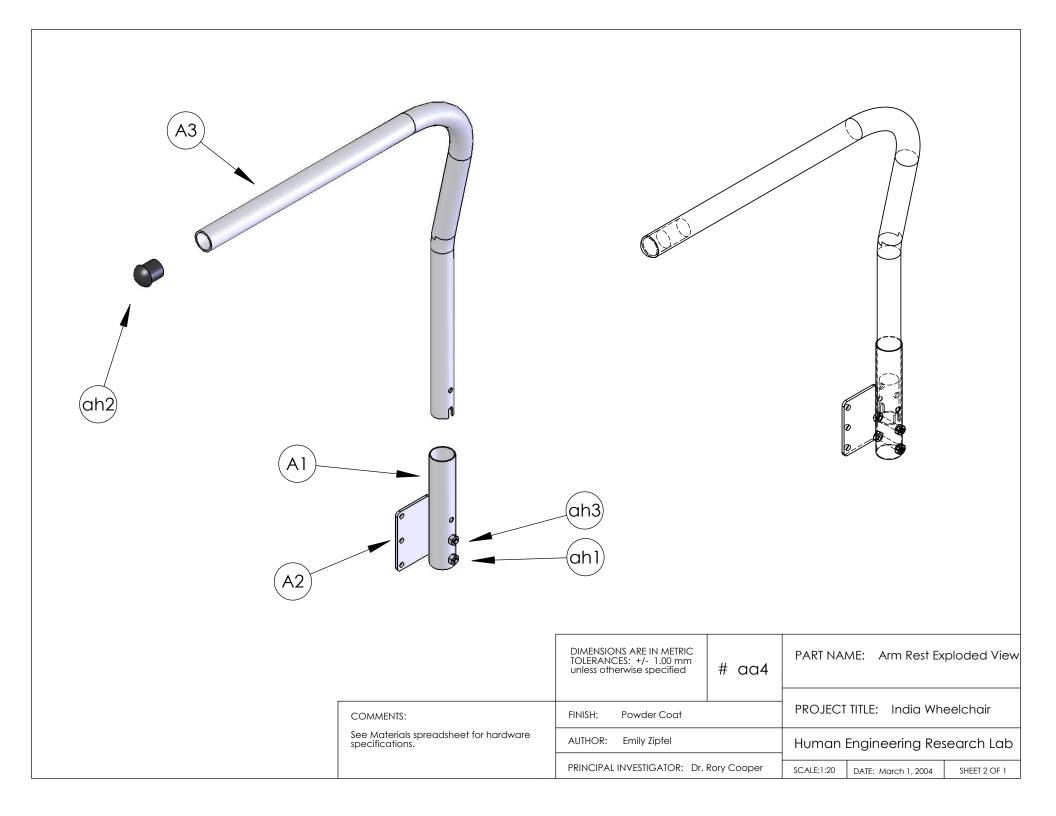
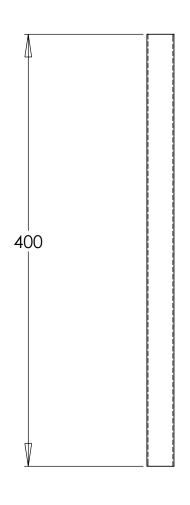


Plate welded to tube

	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	# aa3	PART NA	ME: Armrest Bra	cket Exploded
	MATERIAL: 1018 Carbon Steel				
COMMENTS:	FINISH: Powder Coat	PROJECT	TITLE: India Who	eelchair	
Use 6 mm, 35 mm long & nylon locknuts	AUTHOR: Emily Zipfel		Human	Engineering Res	search Lab
	PRINCIPAL INVESTIGATOR: Dr.	Rory Cooper	SCALE:1:5	DATE: March 1, 2004	SHEET 2 OF 1

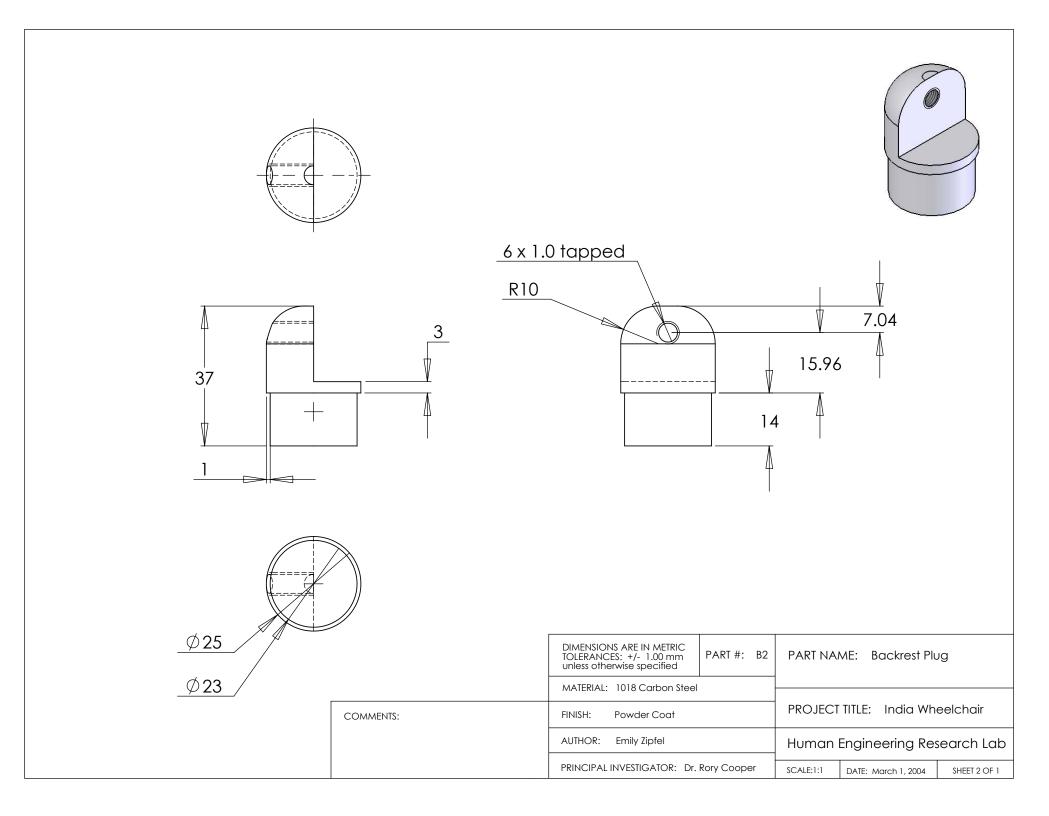


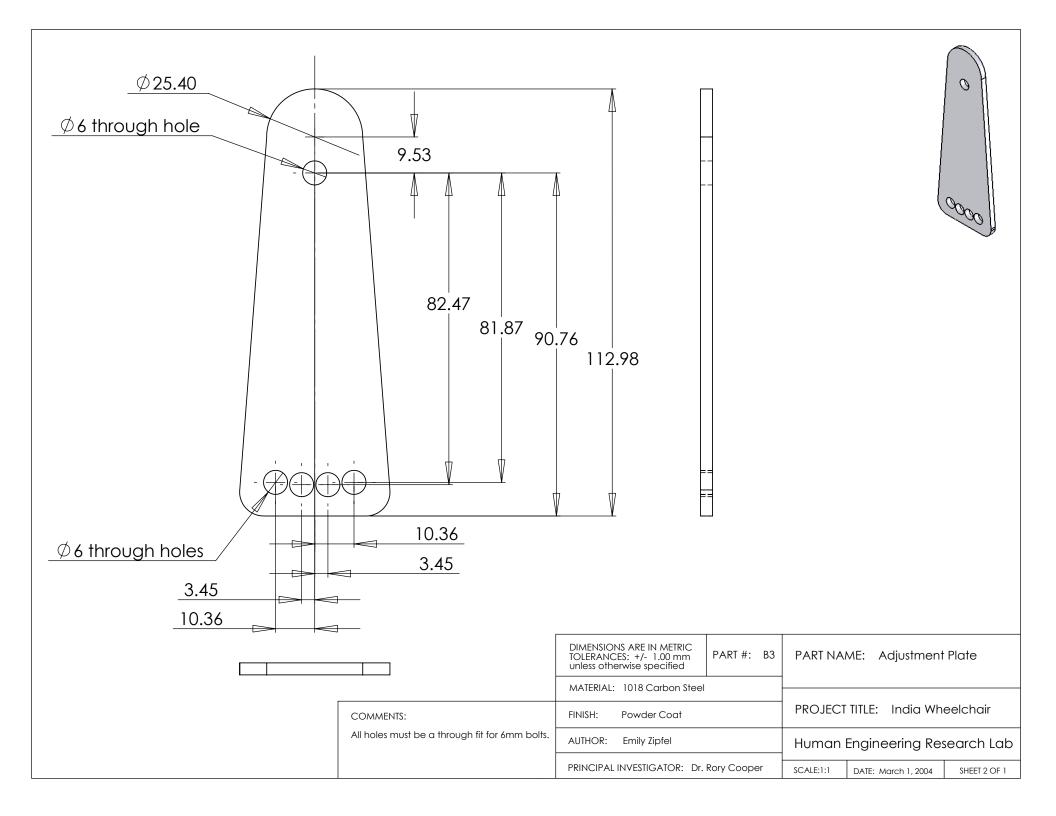


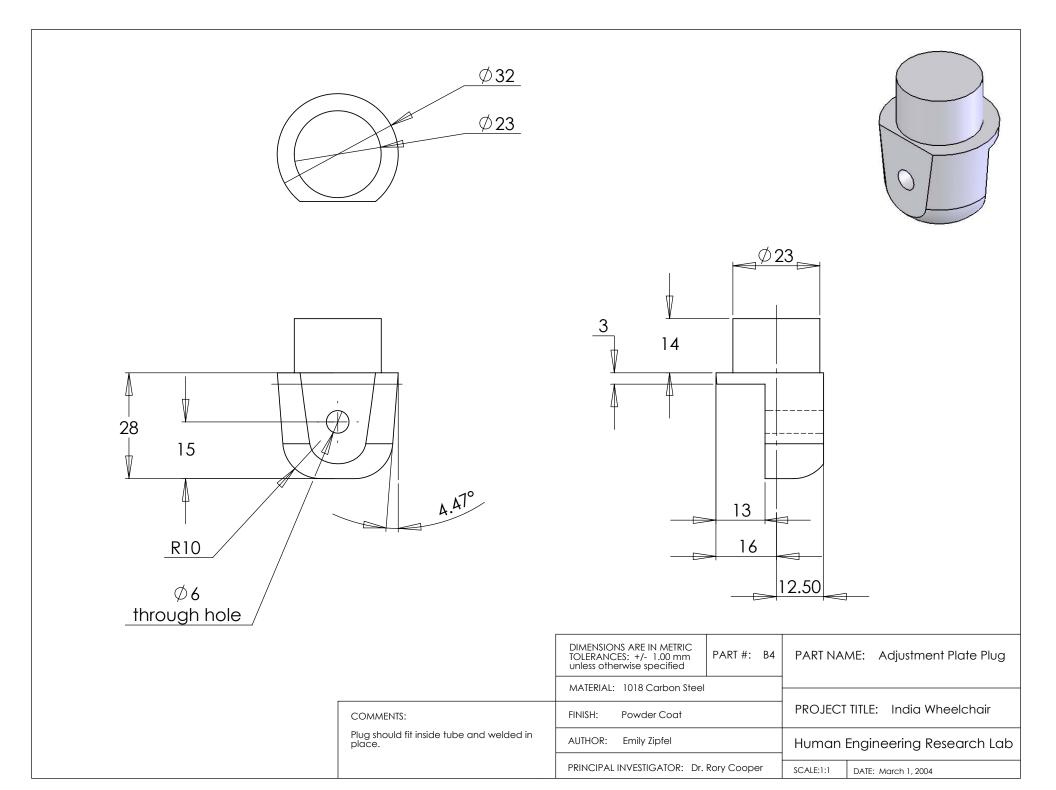
 $\propto$  25 wall thickness: 1 .0

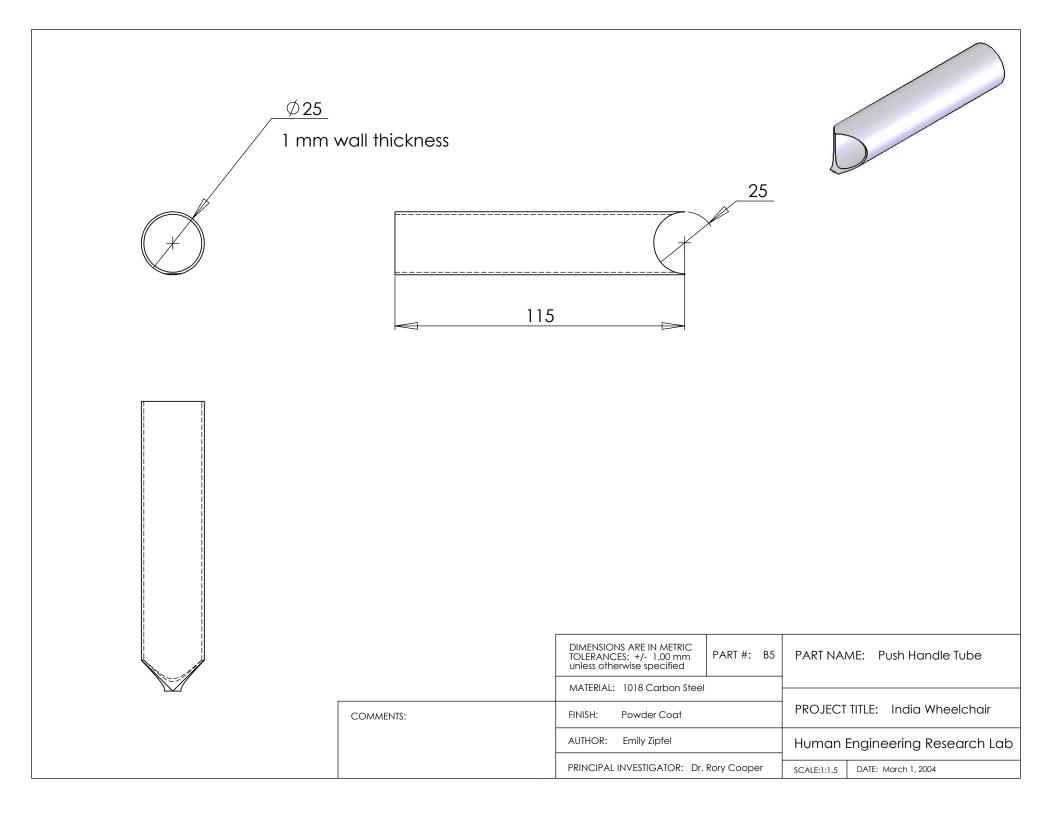


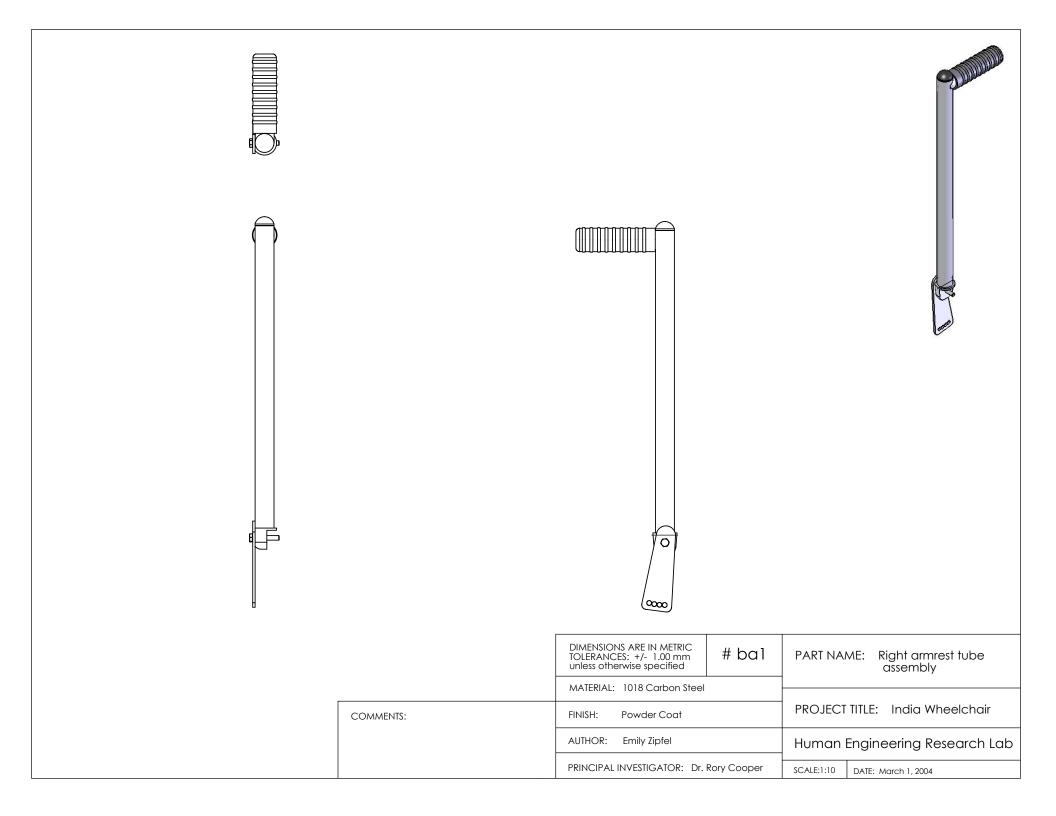
DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	PART#: B1	PART NAI	ME: Back Rest T	ube
MATERIAL: 1018 Carbon Steel				
			TITLE: India Wh	eelchair
FINISH: Powder Coat		TROJECT TITLE. THAIR WHECHTIAN		
AUTHOR: Emily Zipfel		Human Engineering Research Lab		search Lab
PRINCIPAL INVESTIGATOR: Dr. Rory Cooper		SCALE:1:3	DATE: March 1, 2004	SHEET 2 OF 1
	, .	00/ KEE.11.0	DAIL. Maich 1, 2004	JIILLI Z OI I

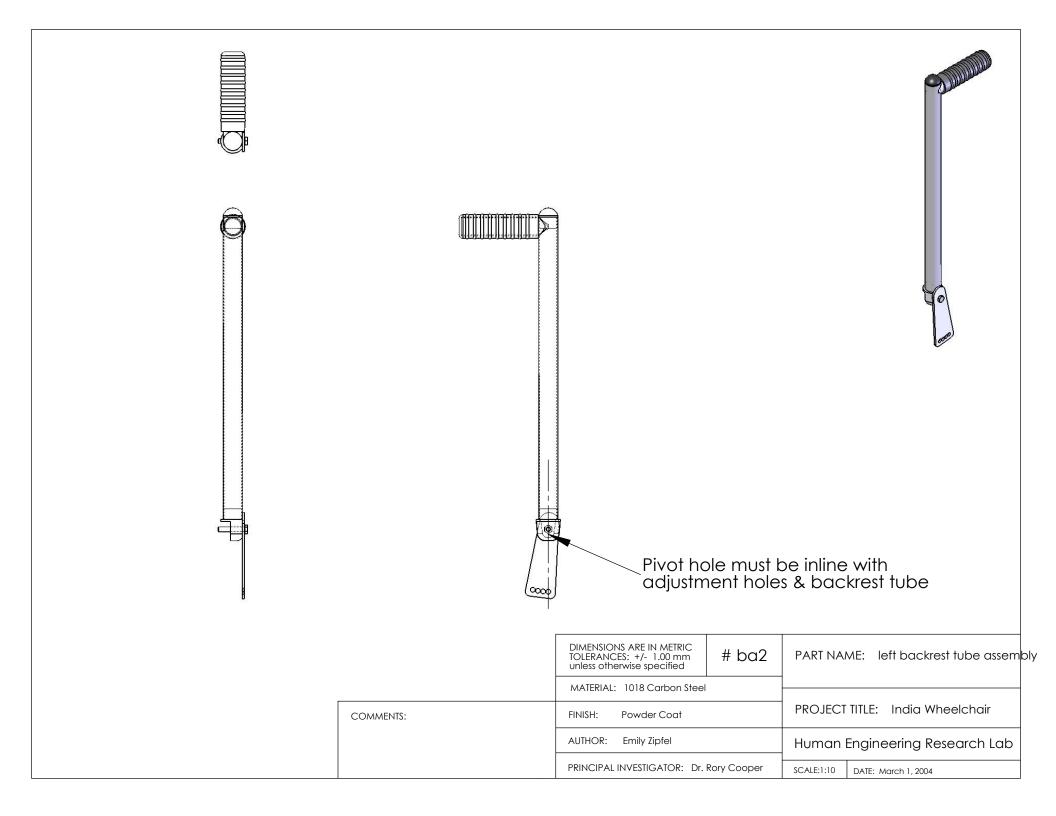


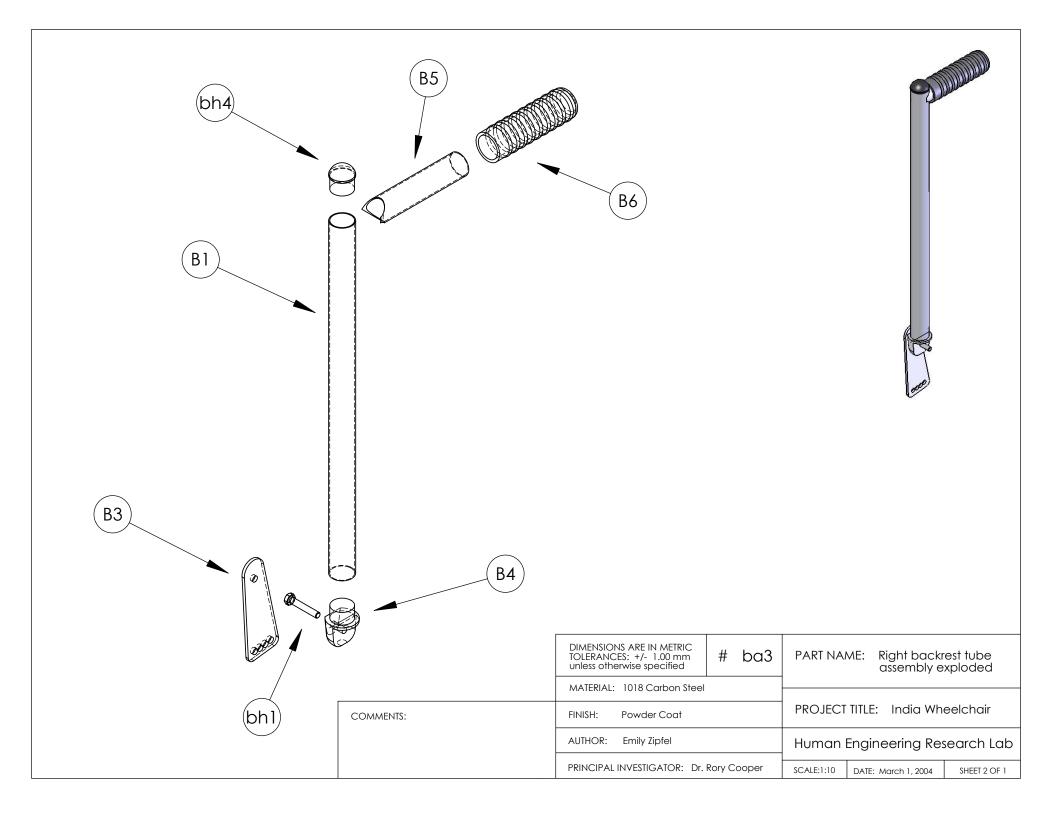


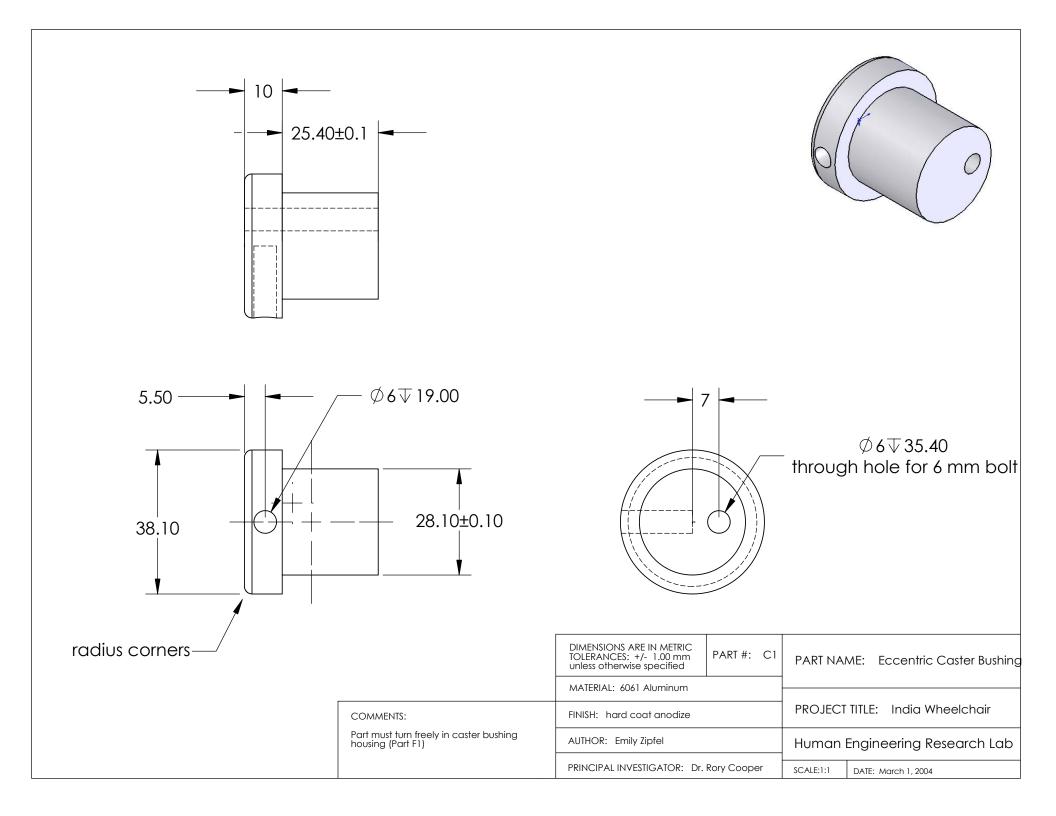


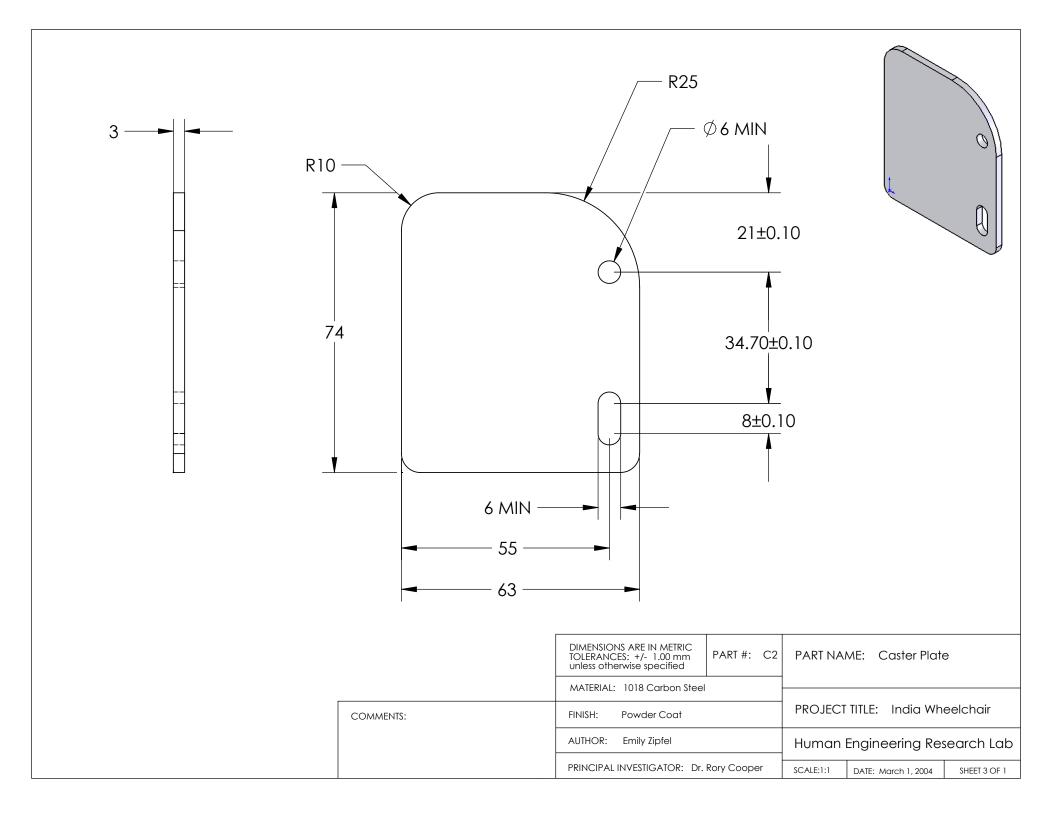


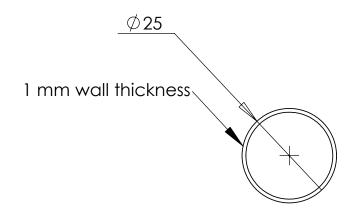


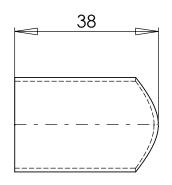




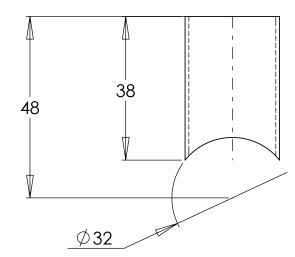




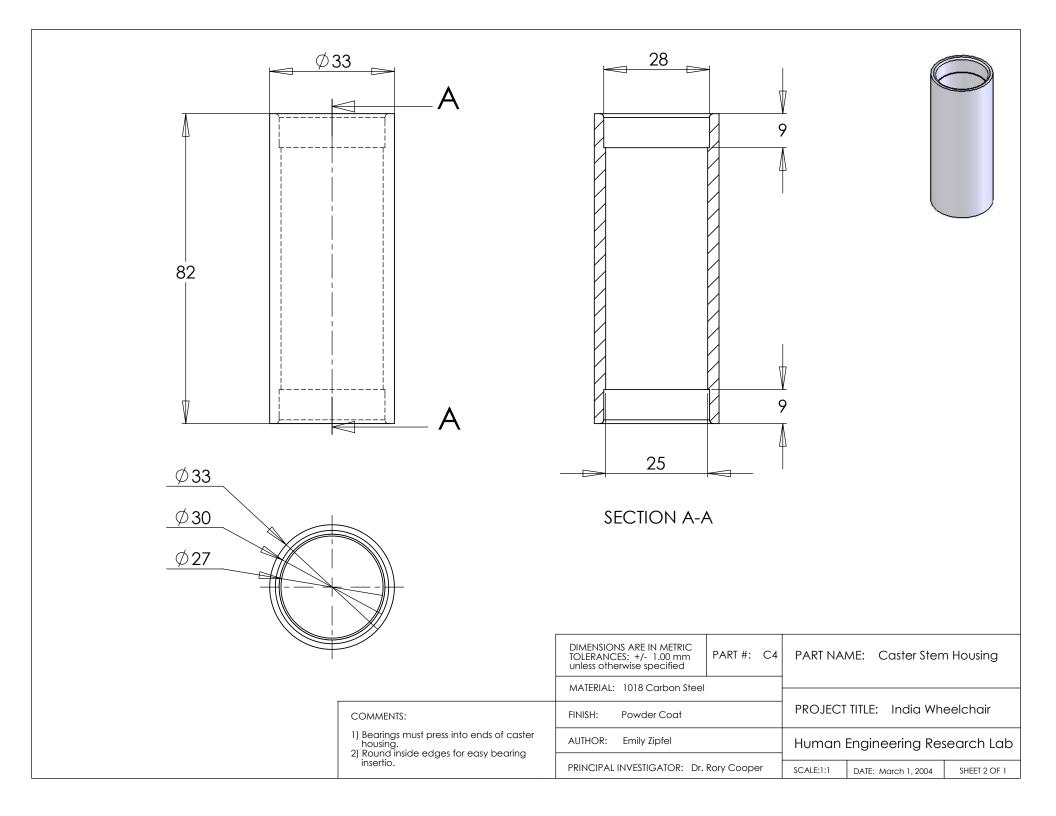


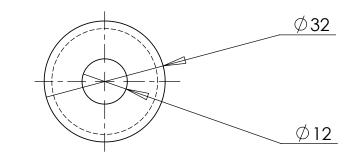




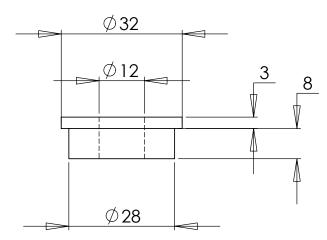


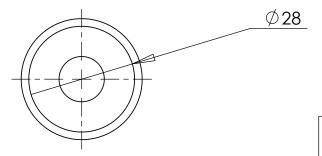
DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	PART#: (	C3	PART NA	ΛE:	Caster Plate	e Standoff
MATERIAL: 1018 Carbon Steel						
FINISH: Powder Coat			PROJECT	TITLE	: India Wh	eelchair
AUTHOR: Emily Zipfel			Human I	Engi	neering Res	search Lab
PRINCIPAL INVESTIGATOR: Dr. Rory Cooper			SCALE-1-1	DATE	. Marab 1 2004	SHEET 2 OF 1



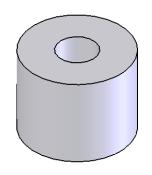


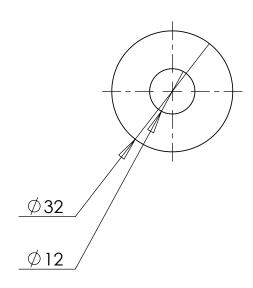


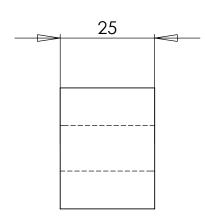




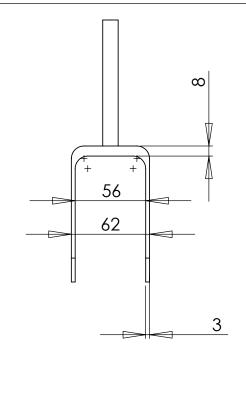
DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	PART #: C5	PART NAI	ME: Caster Bushing	
MATERIAL: Bronze				
FINISH: NA		PROJECT TITLE: India Wheelchair		
AUTHOR: Emily Zipfel		Human I	Engineering Research Lab	
PRINCIPAL INVESTIGATOR: Dr. F	Rory Cooper	SCALE:1:1	DATE: March 1, 2004	

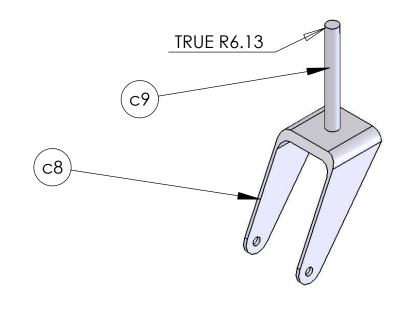


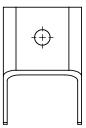


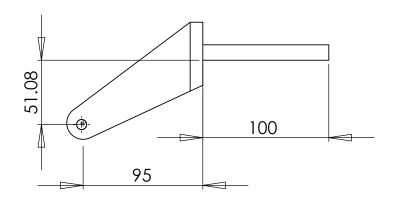


	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified PART #:	PART NAME: Caster Stem Spacer
	MATERIAL: 1018 Carbon Steel	
COMMENTS:	FINISH: Powder Coat	PROJECT TITLE: India Wheelchair
	AUTHOR: Emily Zipfel	Human Engineering Research Lab
	PRINCIPAL INVESTIGATOR: Dr. Rory Cooper	SCALE:1:1 DATE: March 1, 2004 SHEET 2 OF 1

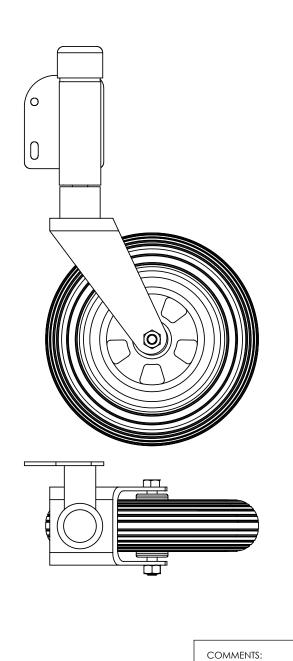


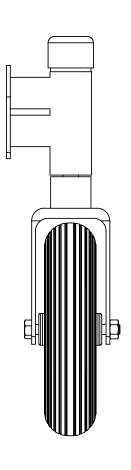


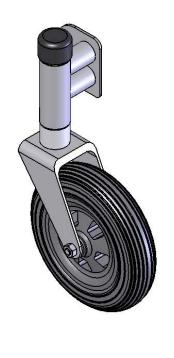




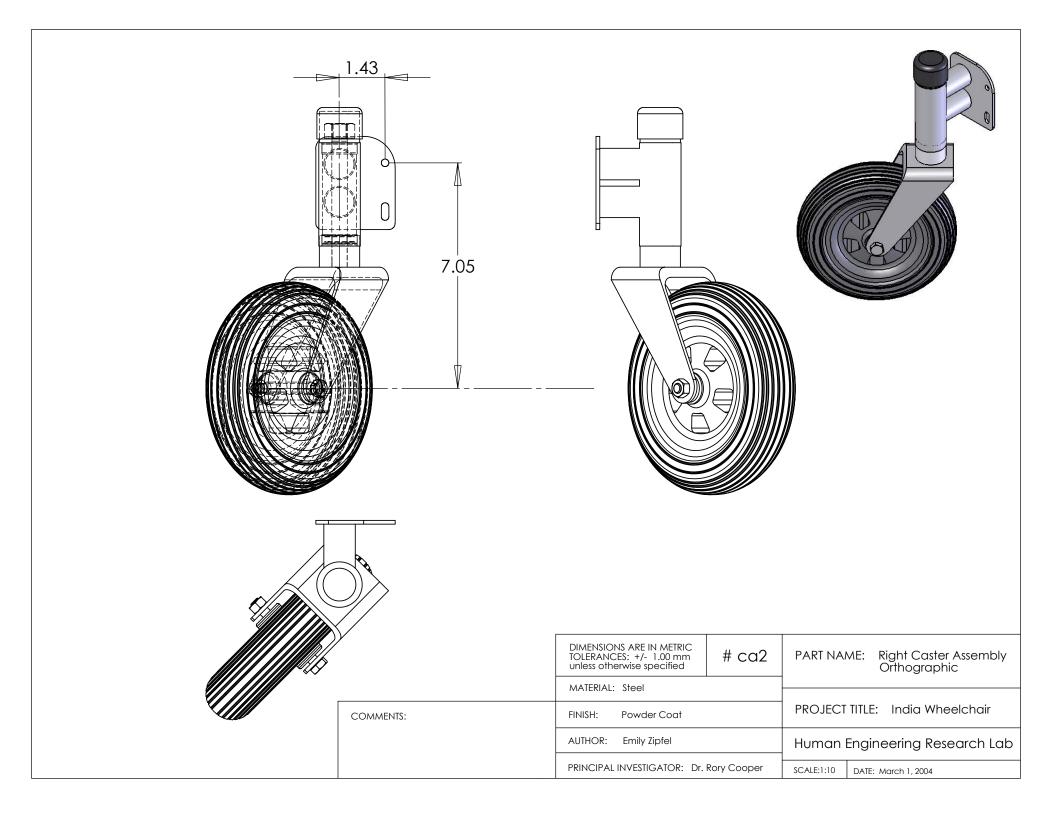
	DIMENSIONS ARE IN INCHES Part #: C8 TOLERANCES: +/- 0.001	PART NAME:
	TOLERANCES. 17- 0.001	Caster Fork
	MATERIAL: 1018 Carbon Steel	PROJECT TITLE:
COMMENTS:	FINISH: Powder Coat	India Wheelchair
part made on wire EDM	AUTHORS: Emily Zipfel	Human Engineering Research Lab
	PRINCIPAL INVESTIGATOR: Dr. Rory Cooper	SCALE:3 SHEET 1 OF 1

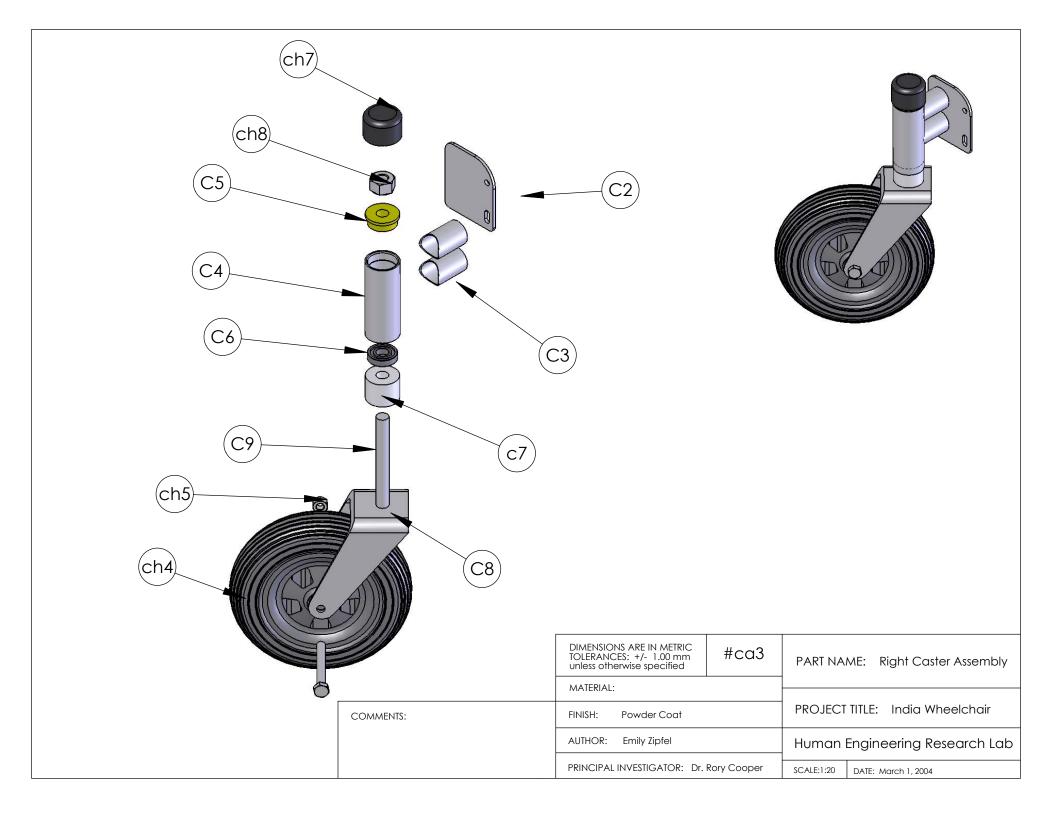




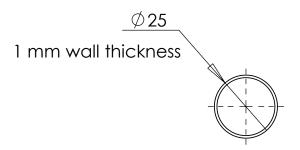


DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified # Cal		PART NAI	ME: Left Caster Assembly	
MATERIAL:				
FINISH: Powder Coat		PROJECT TITLE: India Wheelchair		
AUTHOR: Emily Zipfel		Human Engineering Research Lab		
PRINCIPAL INVESTIGATOR: Dr. Rory Cooper		SCALE:1:5	DATE: March 1, 2004	

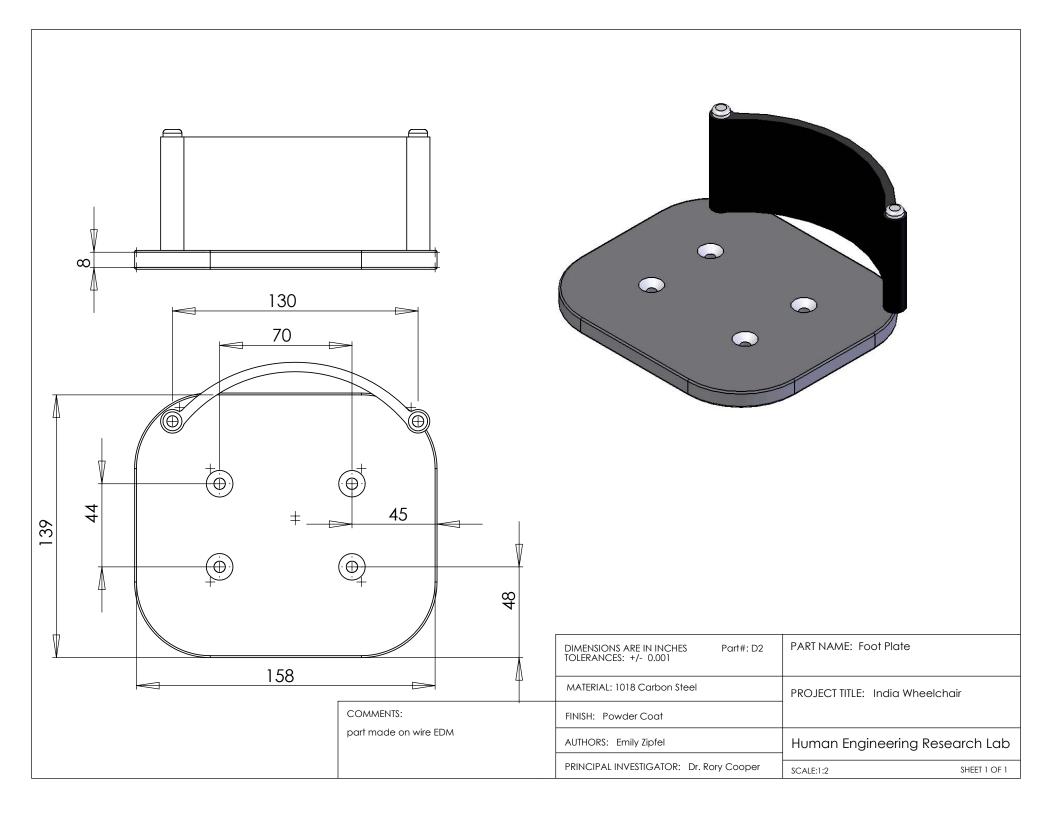


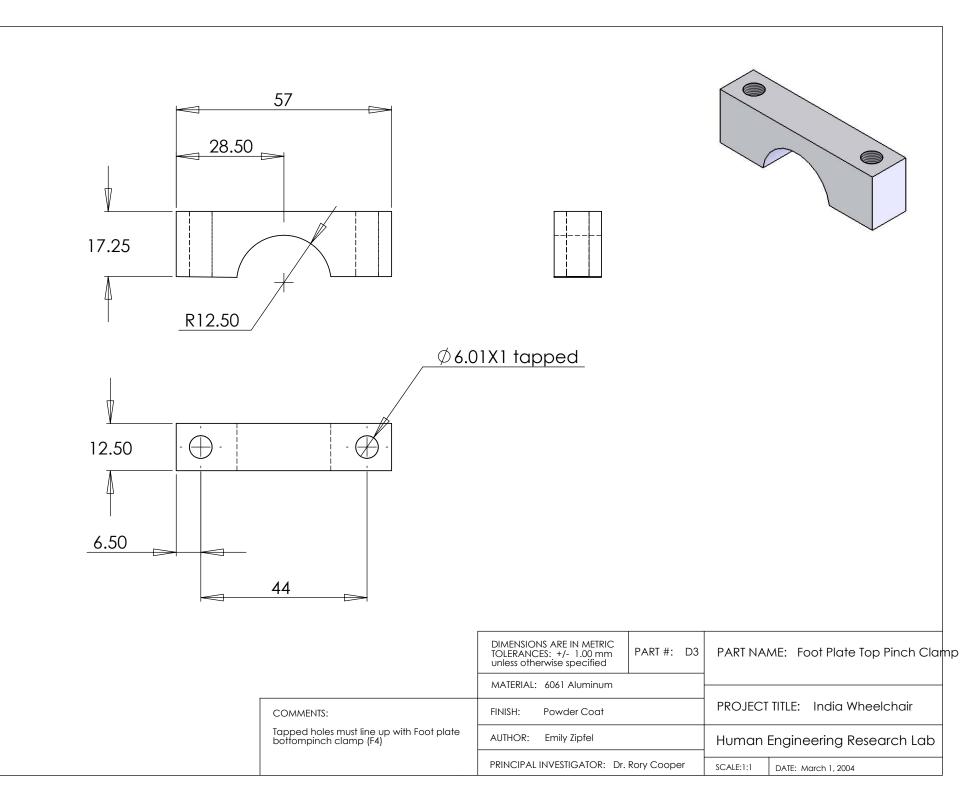


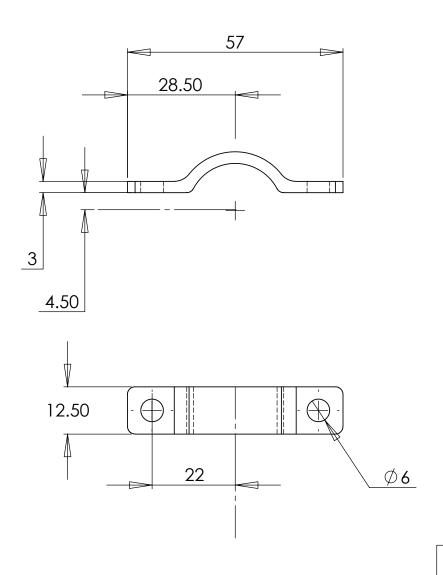




	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	PART #: D1	PART NA	ME: Foot Plate 1	ube
	MATERIAL: 1018 Carbon tube				
COMMENTS:	FINISH: Powder Coat	PROJEC1	TITLE: India Wh	eelchair	
	AUTHOR: Emily Zipfel	Human	Engineering Res	search Lab	
	PRINCIPAL INVESTIGATOR: Dr.	SCALE:1:2	DATE: March 1, 2004	SHEET 2 OF 1	



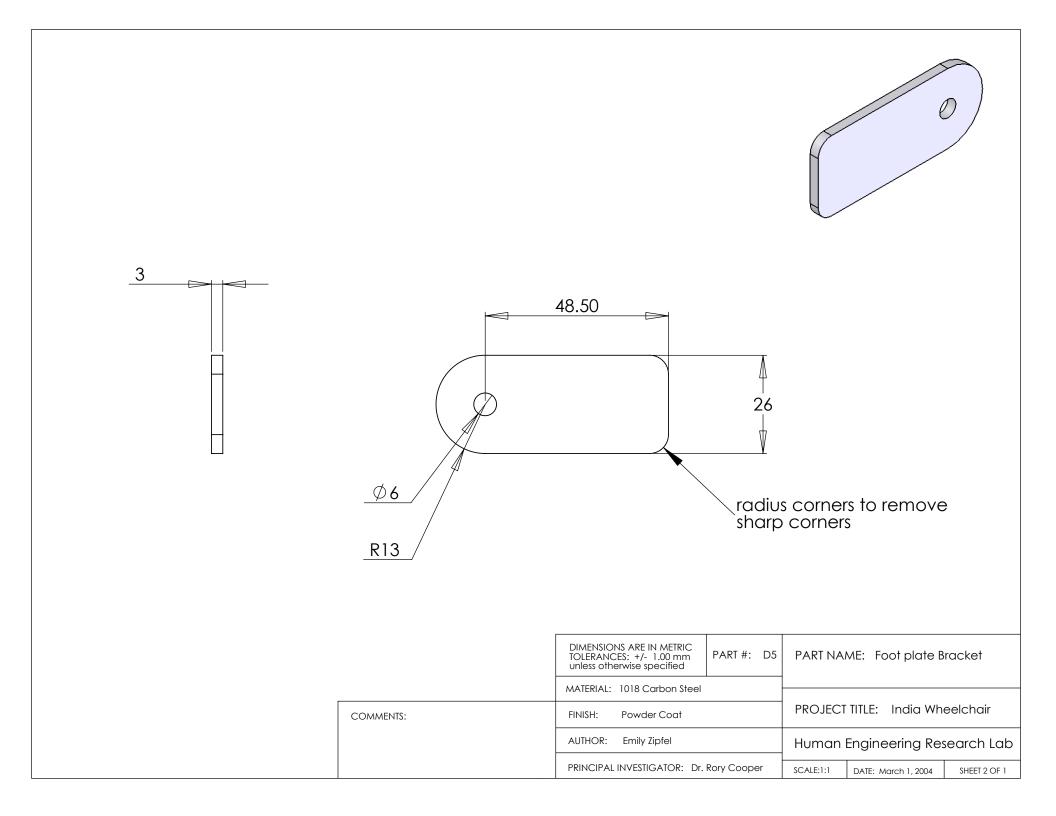


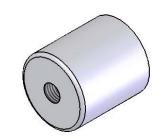


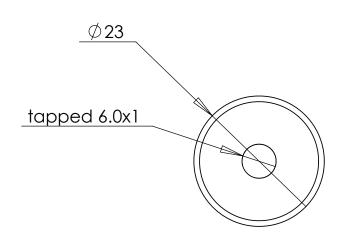


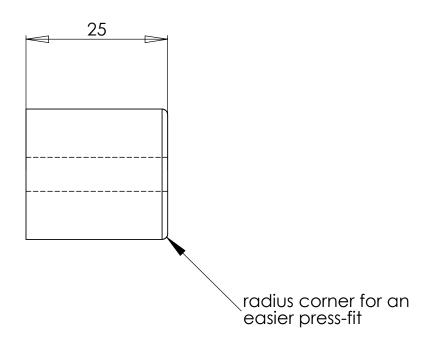


DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified PART #: D4	PART NAME: Foot Plate Bottom Pinch Clamp			
MATERIAL: 1018 Carbon Steel				
FINISH: Powder Coat	PROJECT TITLE: India Wheelchair			
AUTHOR: Emily Zipfel	Human Engineering Research Lab			
PRINCIPAL INVESTIGATOR: Dr. Rory Cooper	SCALE:2:1 DATE: March 1, 2004			

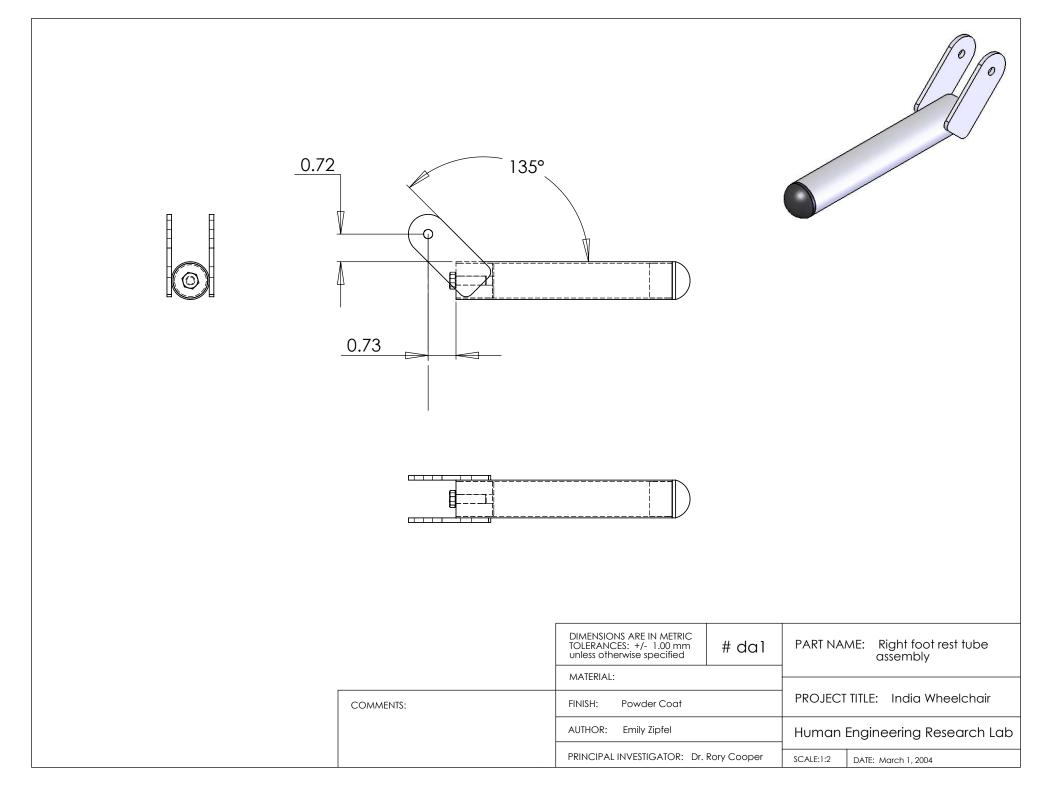


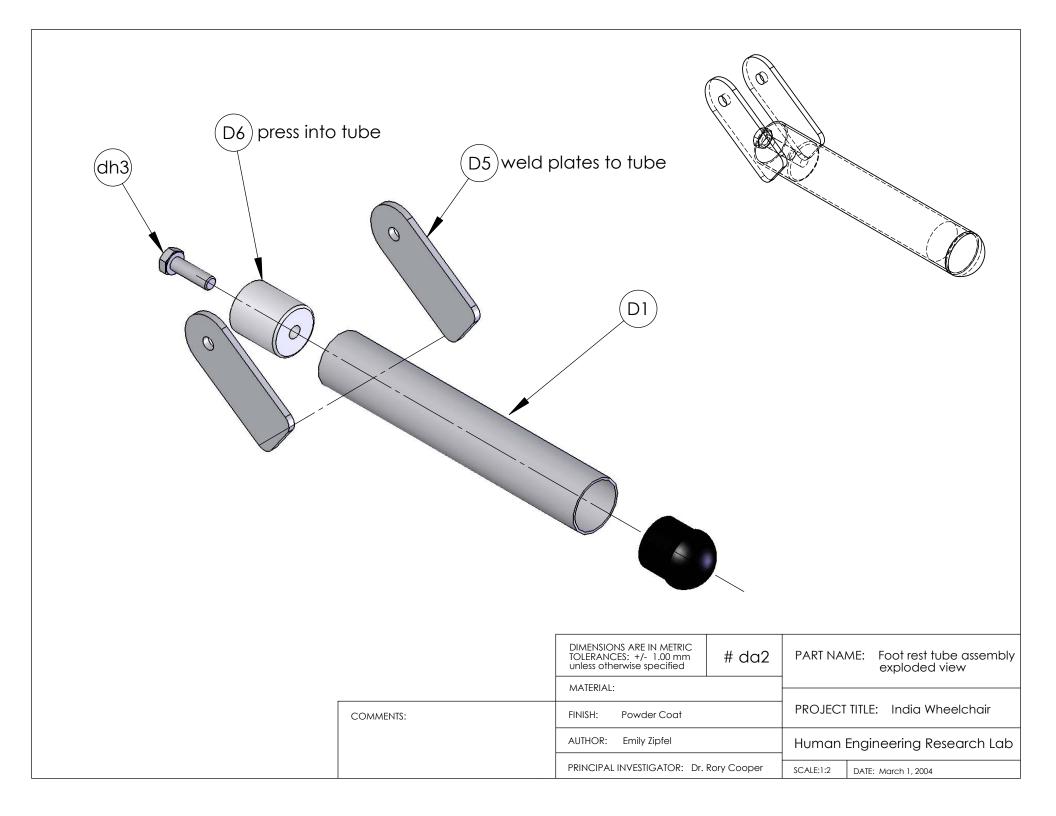


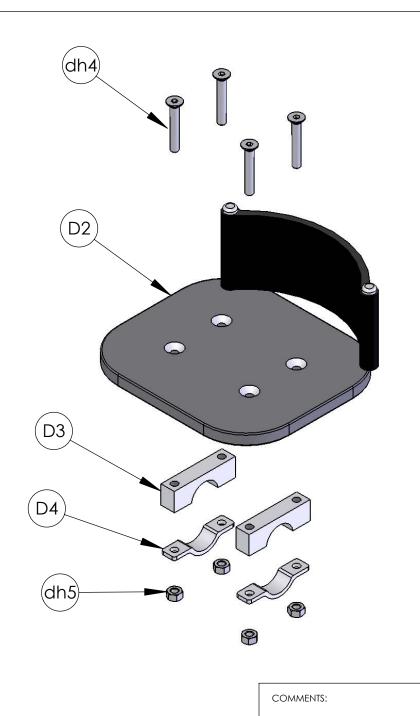


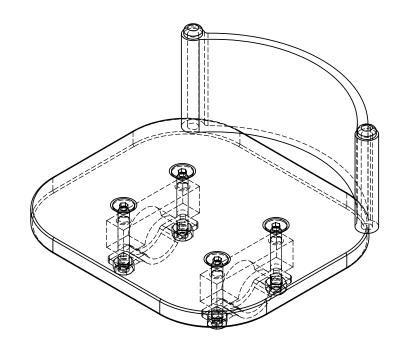


	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	PART NAME: foot plate tube plug
	MATERIAL: 6061 Aluminum	
COMMENTS:	FINISH: Powder Coat	PROJECT TITLE: India Wheelchair
plug must press fit into foot plate tube (F1)	AUTHOR: Emily Zipfel	Human Engineering Research Lab
	PRINCIPAL INVESTIGATOR: Dr. Rory Cooper	SCALE:2:1 DATE: March 1, 2004

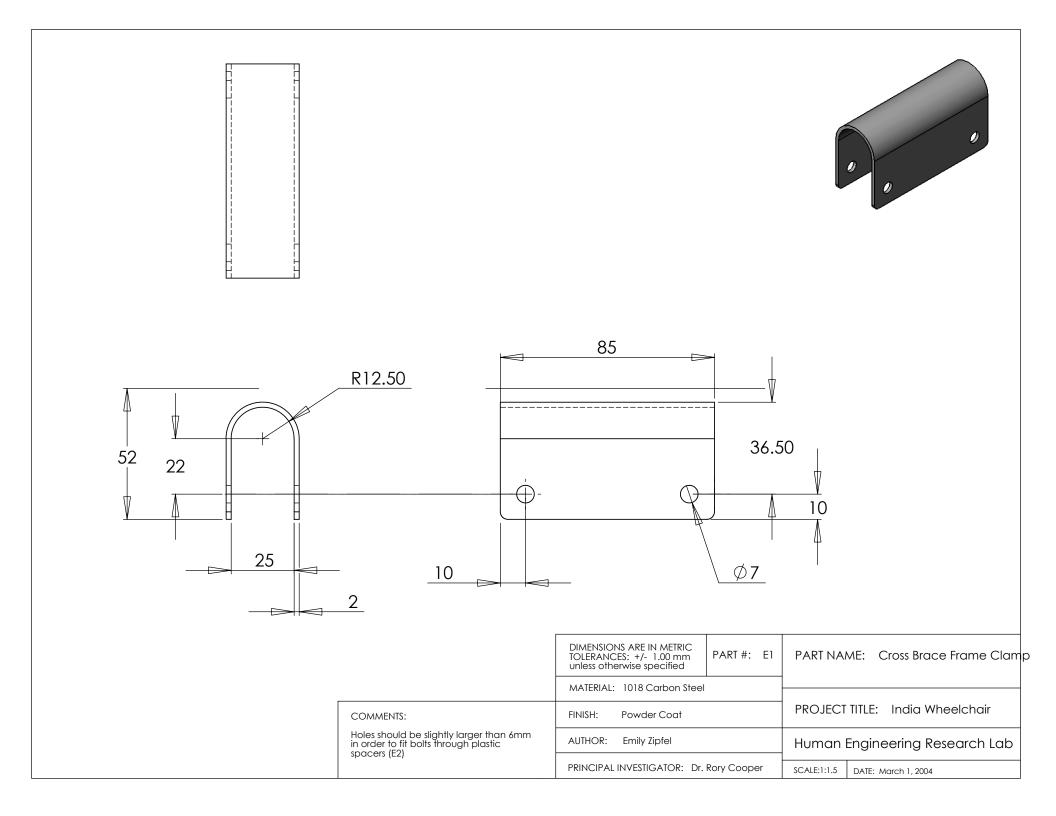


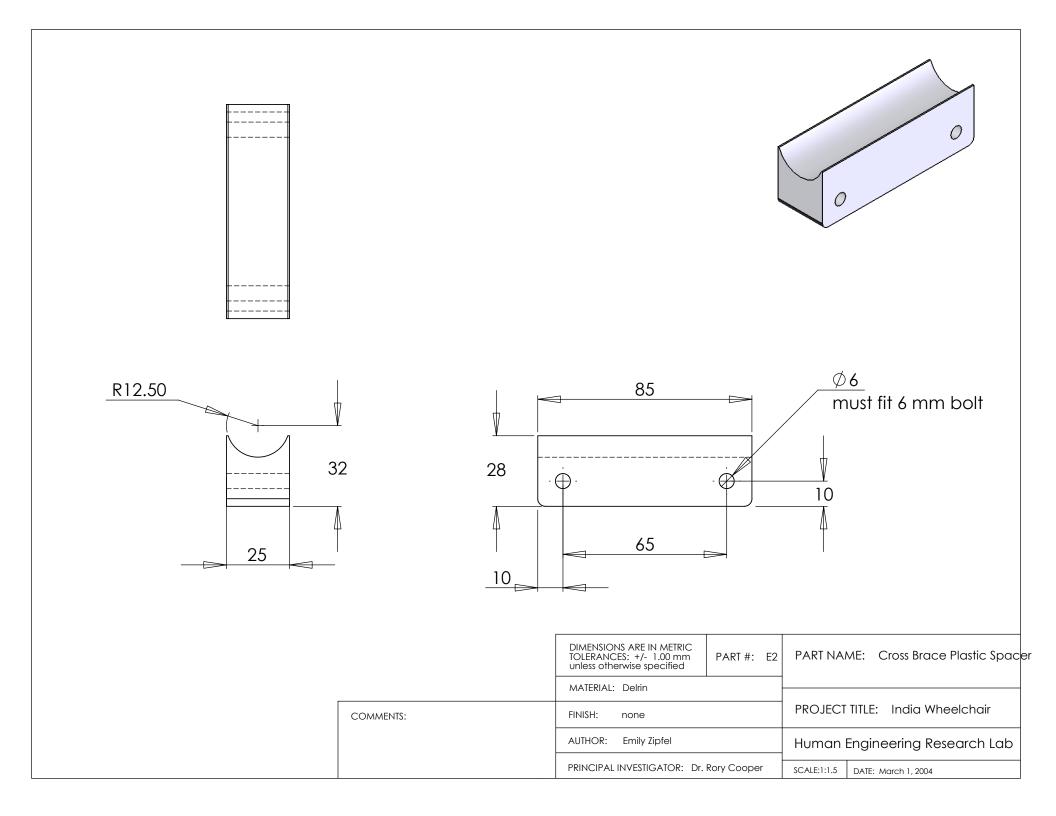


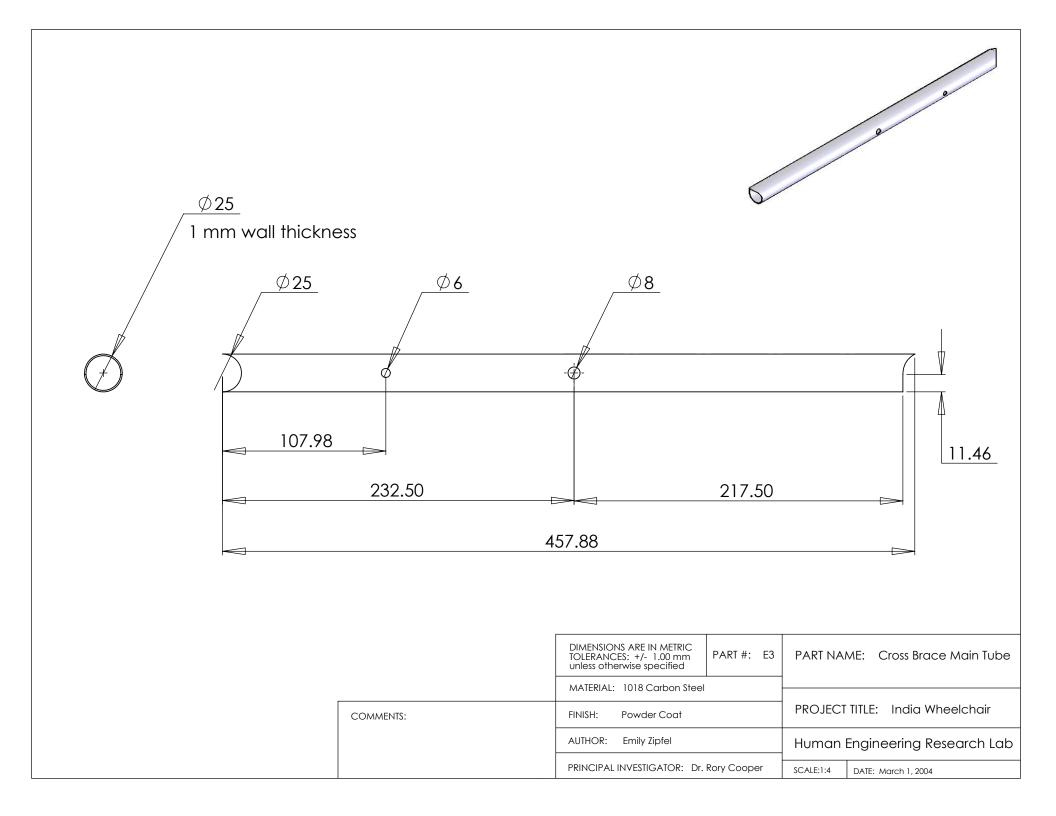


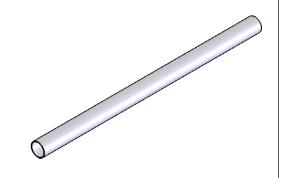


DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	# da3	PART NAME: Eccentric Caster Bushin Housing				
MATERIAL:						
FINISH: Powder Coat		PROJECT	PROJECT TITLE: India Wheelchair			
AUTHOR: Emily Zipfel		Human Engineering Research Lab				
PRINCIPAL INVESTIGATOR: Dr.	Rory Cooper	SCALE:1:5	DATE: March 1, 2004			

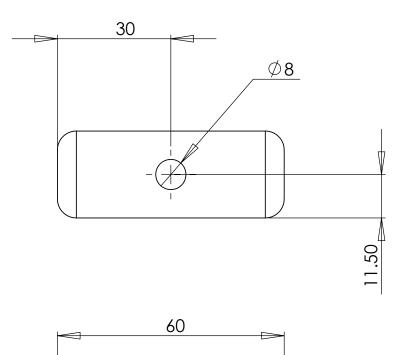


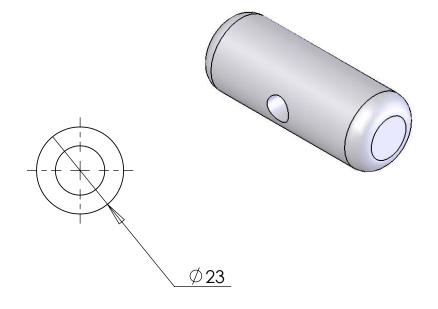






	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified PART #: E4		PART NA	ME: Cross Brace	e Seat Tube
	MATERIAL: 1018 Carbon Steel				
COMMENTS:	FINISH: Powder Coat	PROJEC'	T TITLE: India Wh	eelchair	
	AUTHOR: Emily Zipfel	Human	Engineering Re	search Lab	
	PRINCIPAL INVESTIGATOR: Dr.	SCALE:1:3	DATE: March 1, 2004	SHEET 2 OF 1	

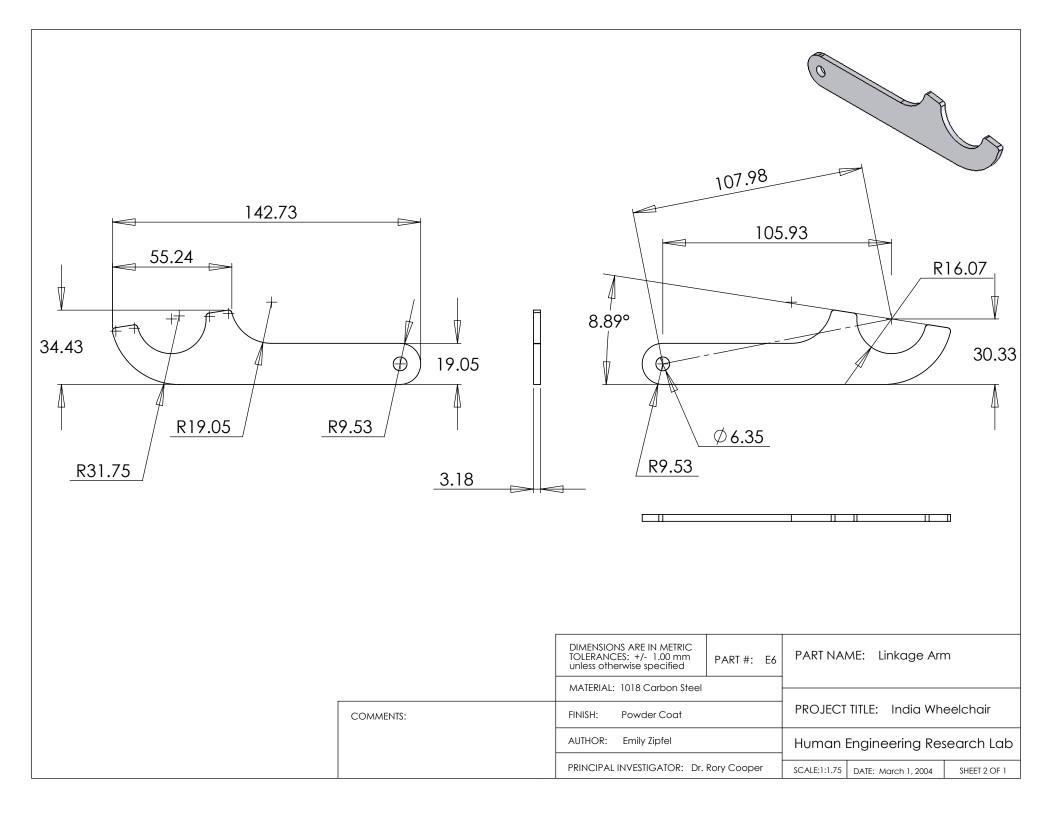


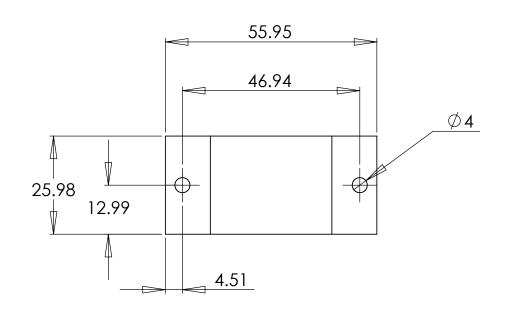


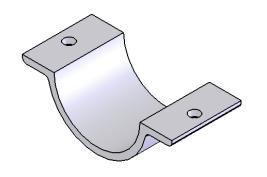
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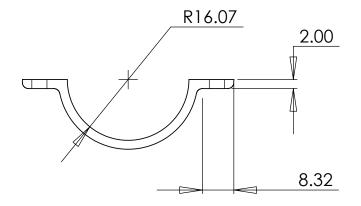
COMMENTS:

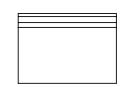
DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	PART#: E5	PART NA <i>l</i>	ME: Cross Brace	e Pivot Plug
MATERIAL: 6064 Solid Aluminu	m			
			TITLE: India Wh	oolobair
FINISH:		PROJECT	IIILE: India wr	leeichair
AUTHOR: Emily Zipfel	Human I	Engineering Re	search Lab	
PRINCIPAL INVESTIGATOR: Dr.	SCALE:1:1	DATE: March 1, 2004	SHEET 2 OF 1	



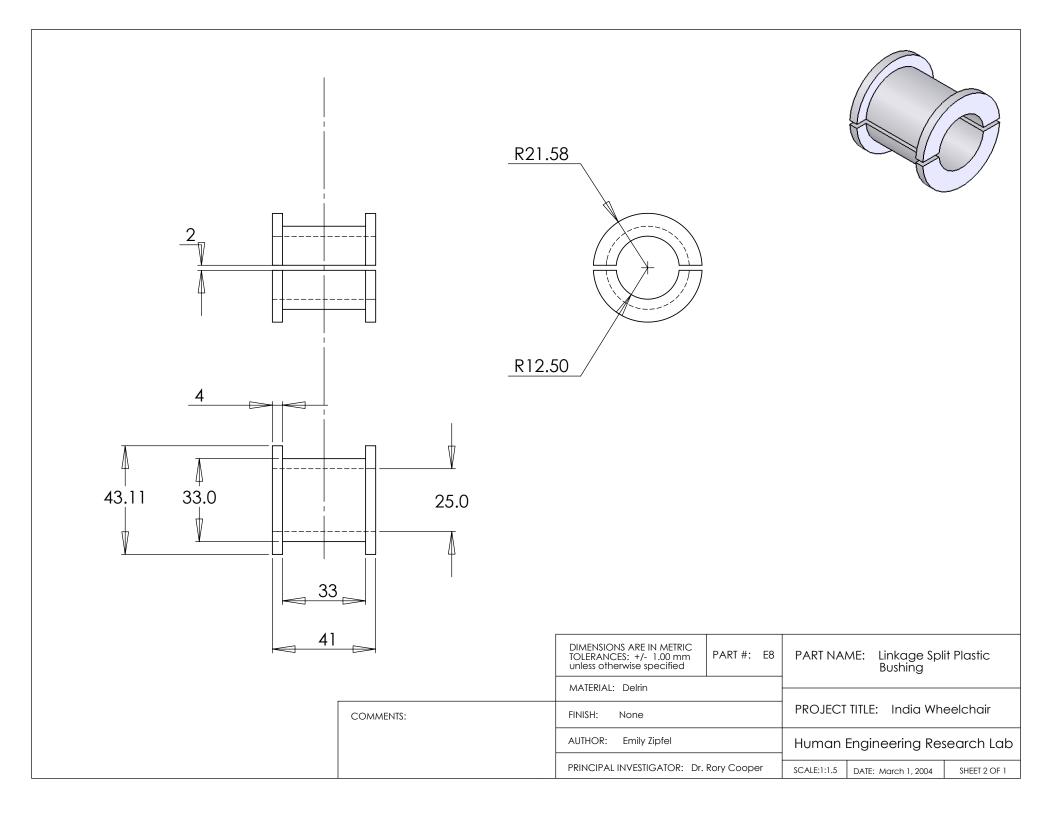


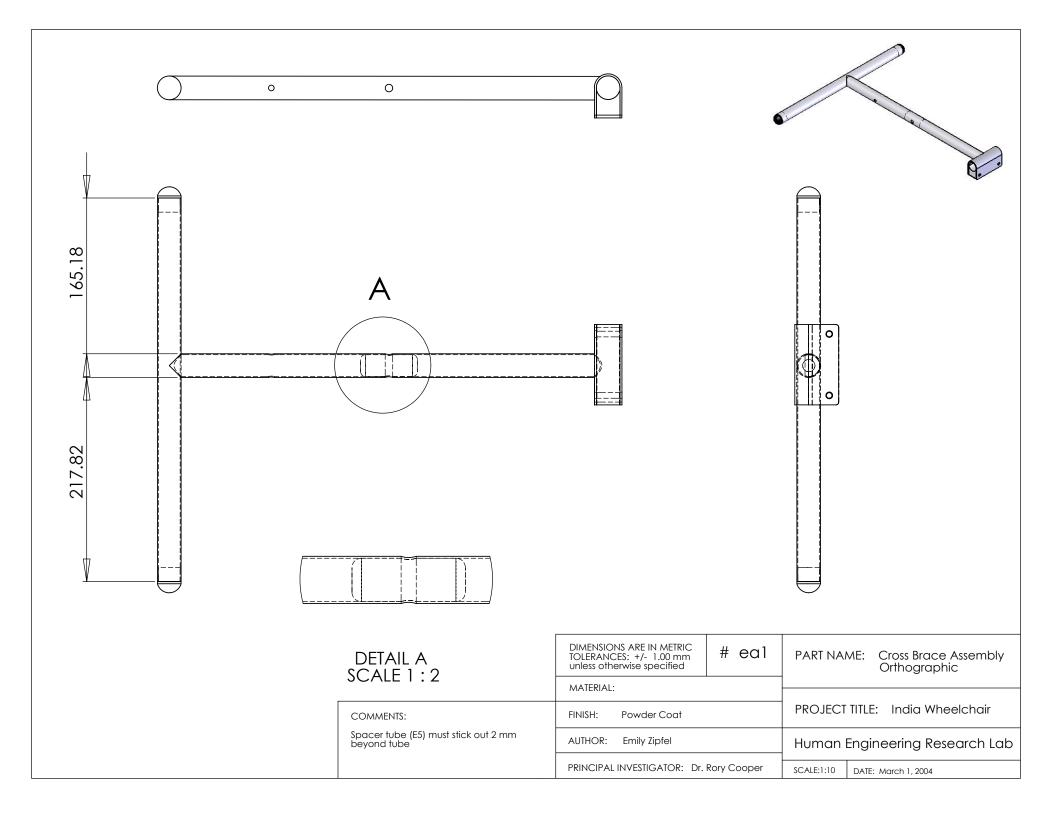


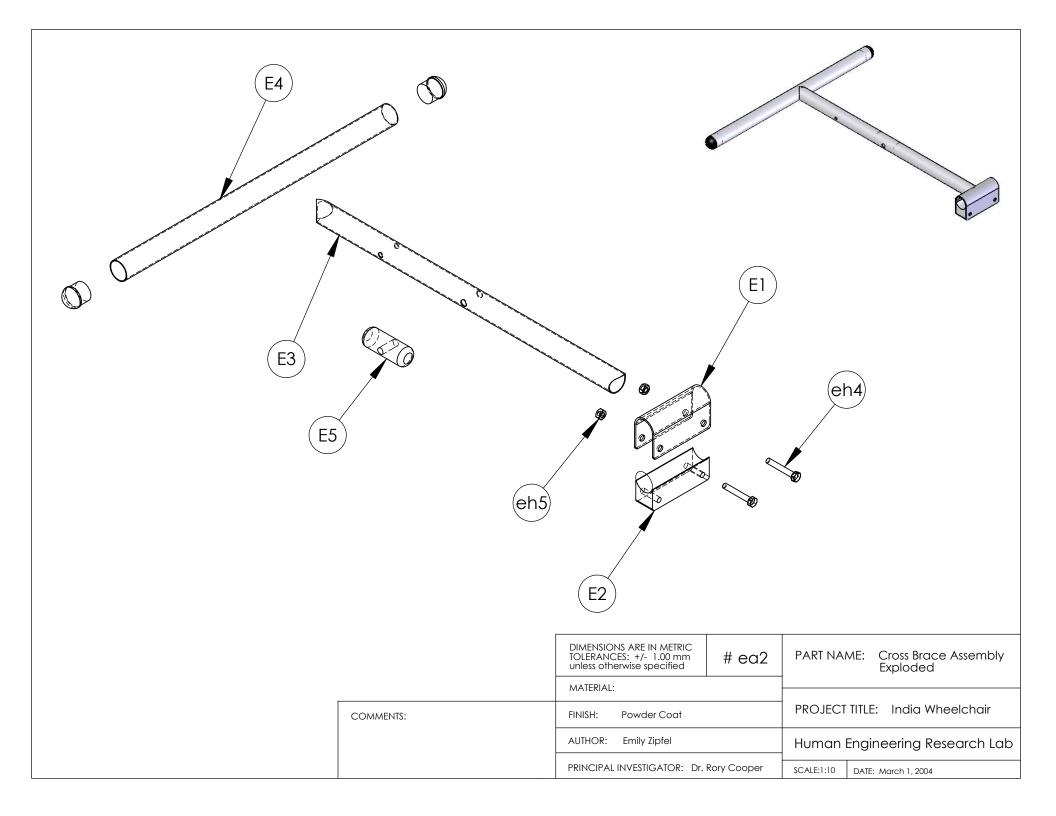


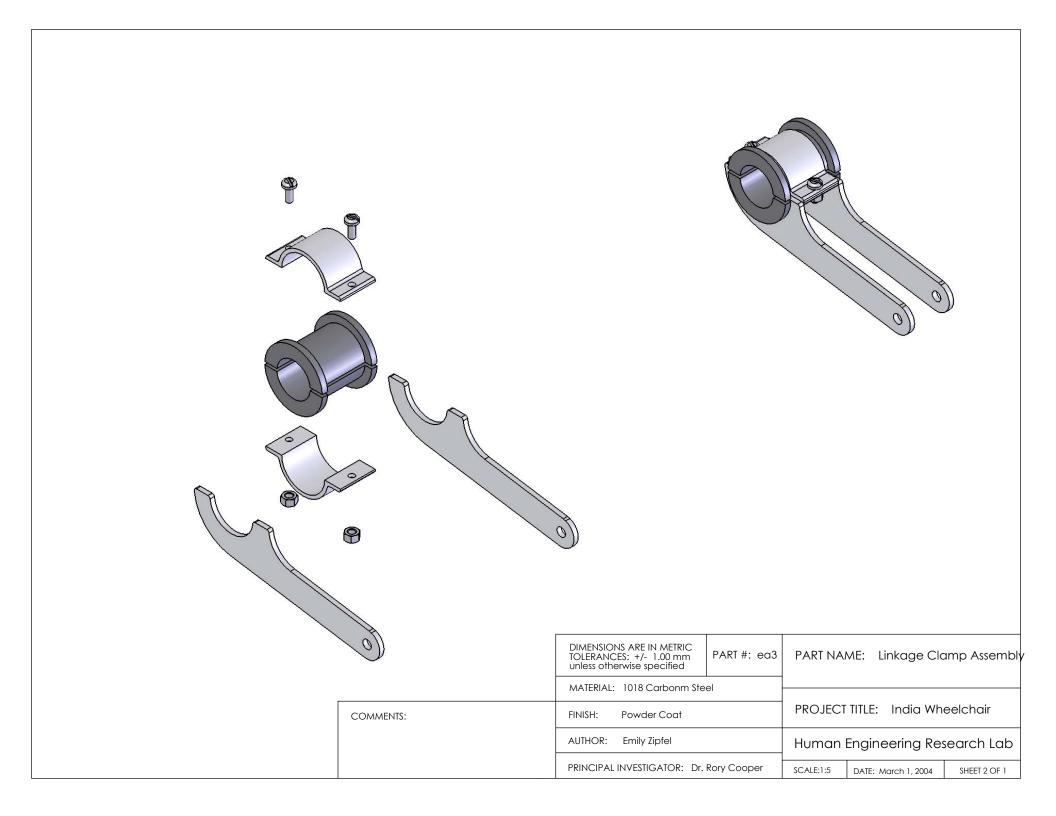


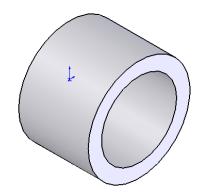
	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified PART #: E7	PART NAME: Linkage Clamp
	MATERIAL: 1018 Carbon Steel	
COMMENTS:	FINISH: Powder Coat	PROJECT TITLE: India Wheelchair
	AUTHOR: Emily Zipfel	Human Engineering Research Lab
	PRINCIPAL INVESTIGATOR: Dr. Rory Cooper	SCALE:1:1 DATE: March 1, 2004

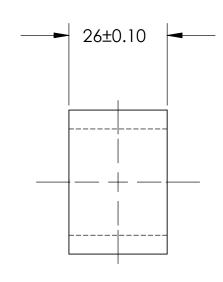


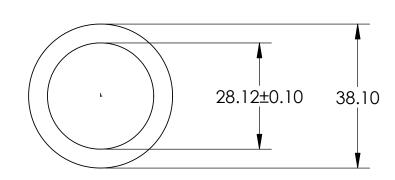




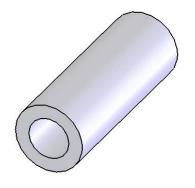


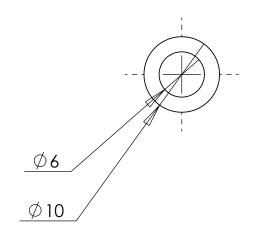


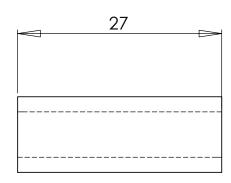




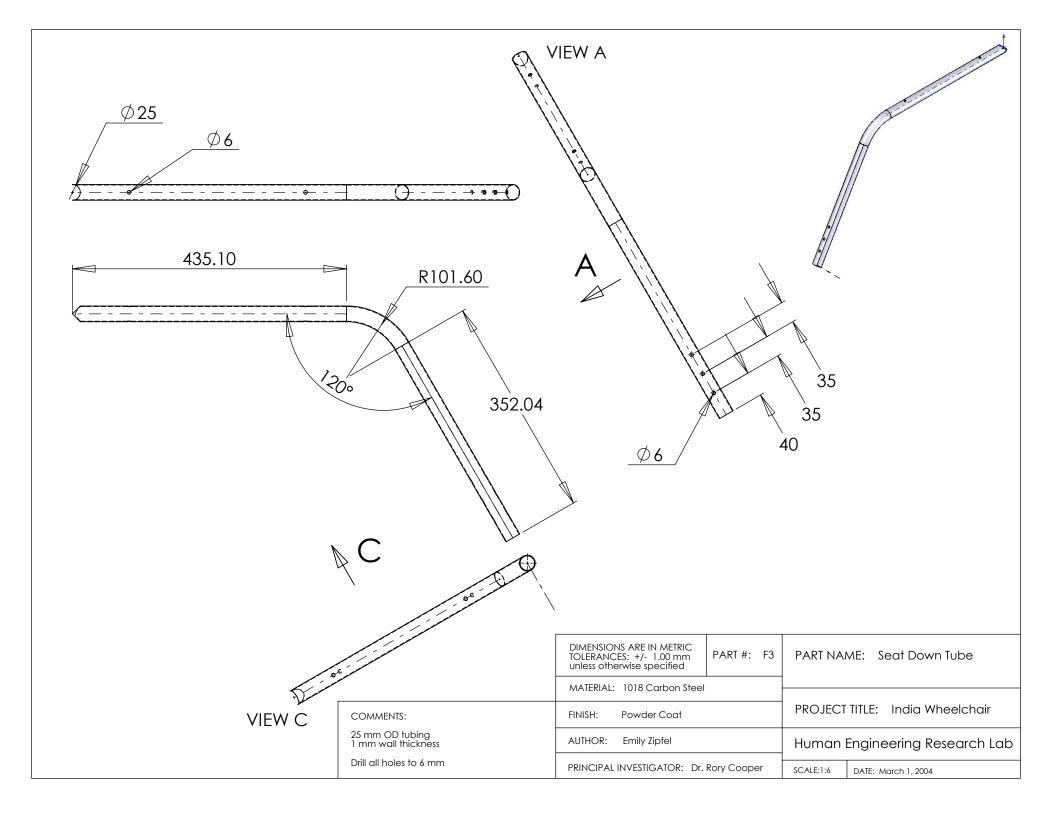
	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	PART #: F1	PART NA	ME: Eccentric Caster Bushing Housing
	MATERIAL: 1018 Carbon Steel			
COMMENTS:	FINISH: Powder Coat		PROJECT	TITLE: India Wheelchair
	AUTHOR: Emily Zipfel		Human	Engineering Research Lab
	PRINCIPAL INVESTIGATOR: Dr.	Rory Cooper	SCALE:1:1	DATE: March 1, 2004

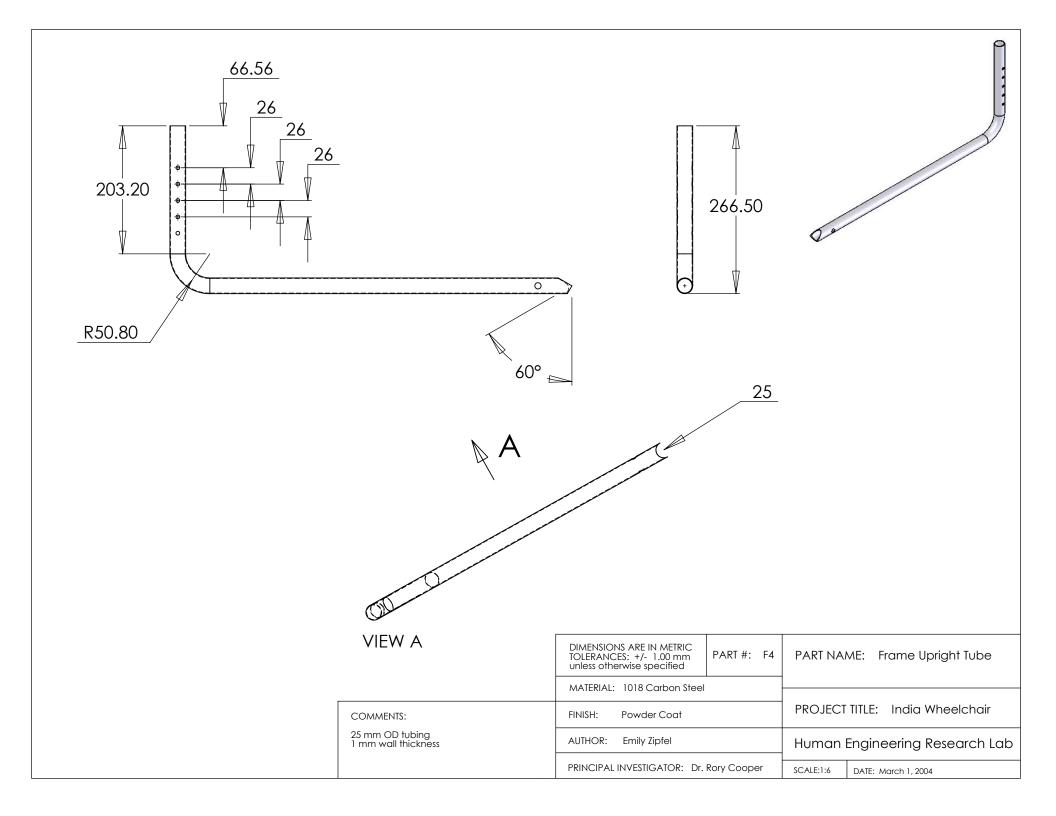


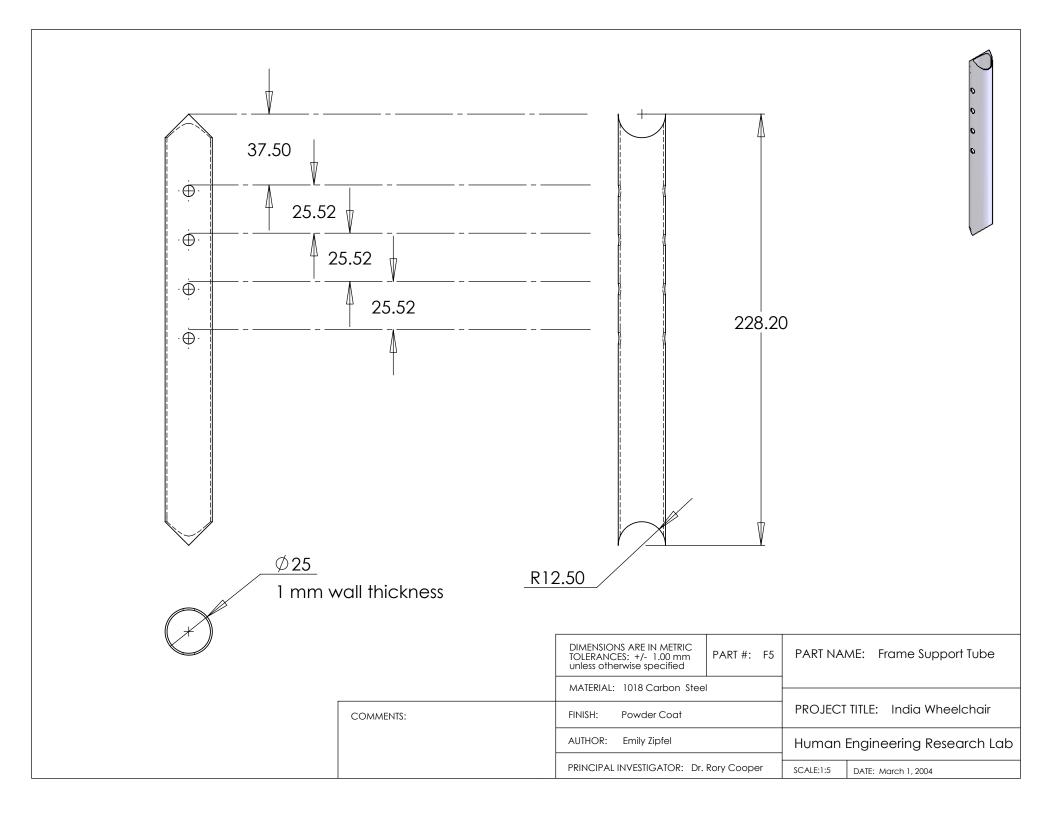


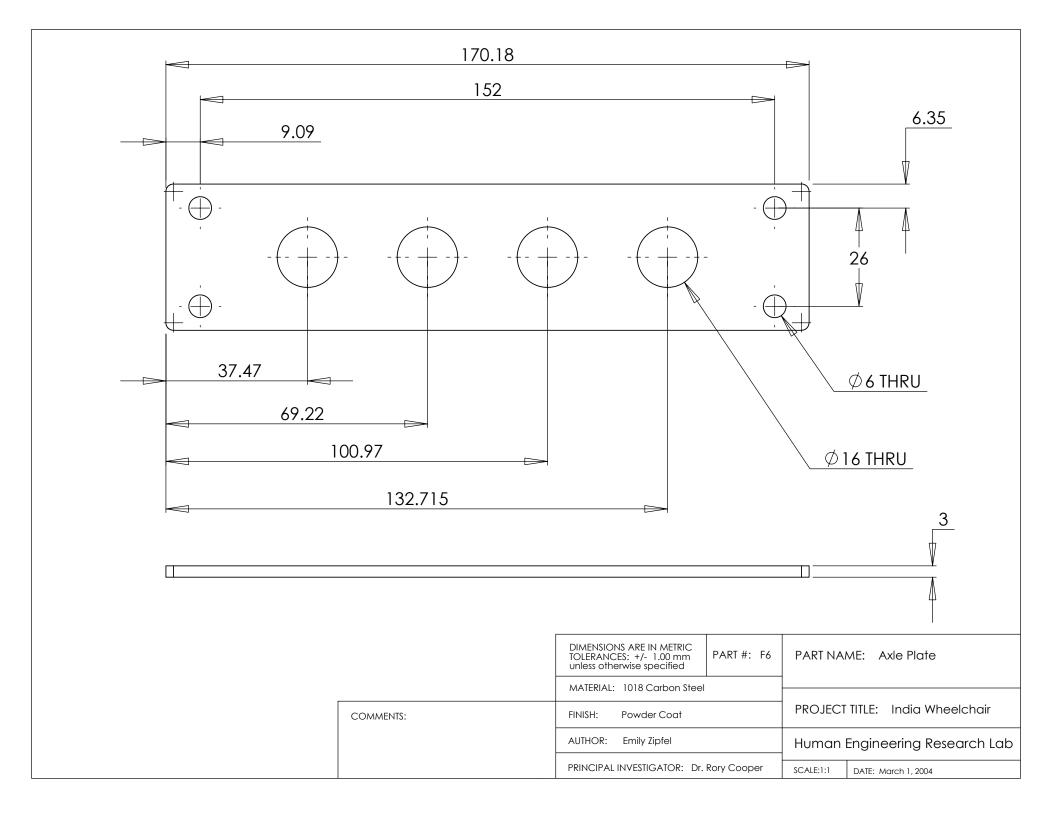


	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	PART #: F2	PART NA	ME: Caster Adjustment Spacer Tube
	MATERIAL: 1018 Carbon Steel			
COMMENTS:	FINISH: Powder Coat		PROJEC1	TITLE: India Wheelchair
	AUTHOR: Emily Zipfel		Human	Engineering Research Lab
	PRINCIPAL INVESTIGATOR: Dr.	Rory Cooper	SCALE:2:1	DATE: March 1, 2004

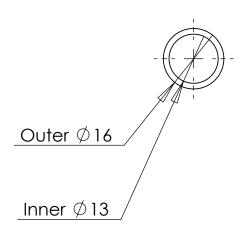


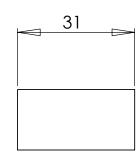




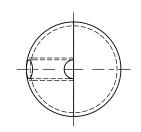


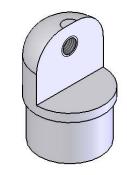


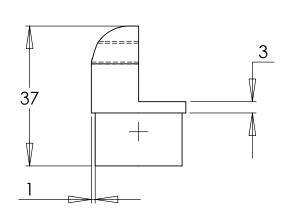


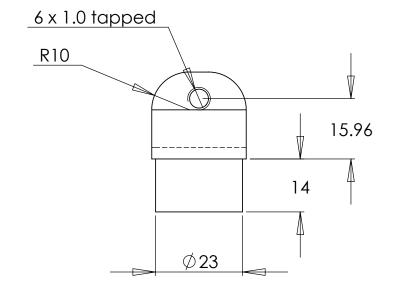


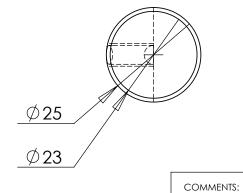
	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	PART #: F7	PART NA	ME:	Axle Plate Spacer Tube
	MATERIAL: 1018 Carbon Steel				
COMMENTS:	FINISH: Powder Coat		PROJECT	TITLE	: India Wheelchair
	AUTHOR: Emily Zipfel	Human	Engi	neering Research Lab	
	PRINCIPAL INVESTIGATOR: Dr.	SCALE:1:1	DATE	: March 1, 2004	



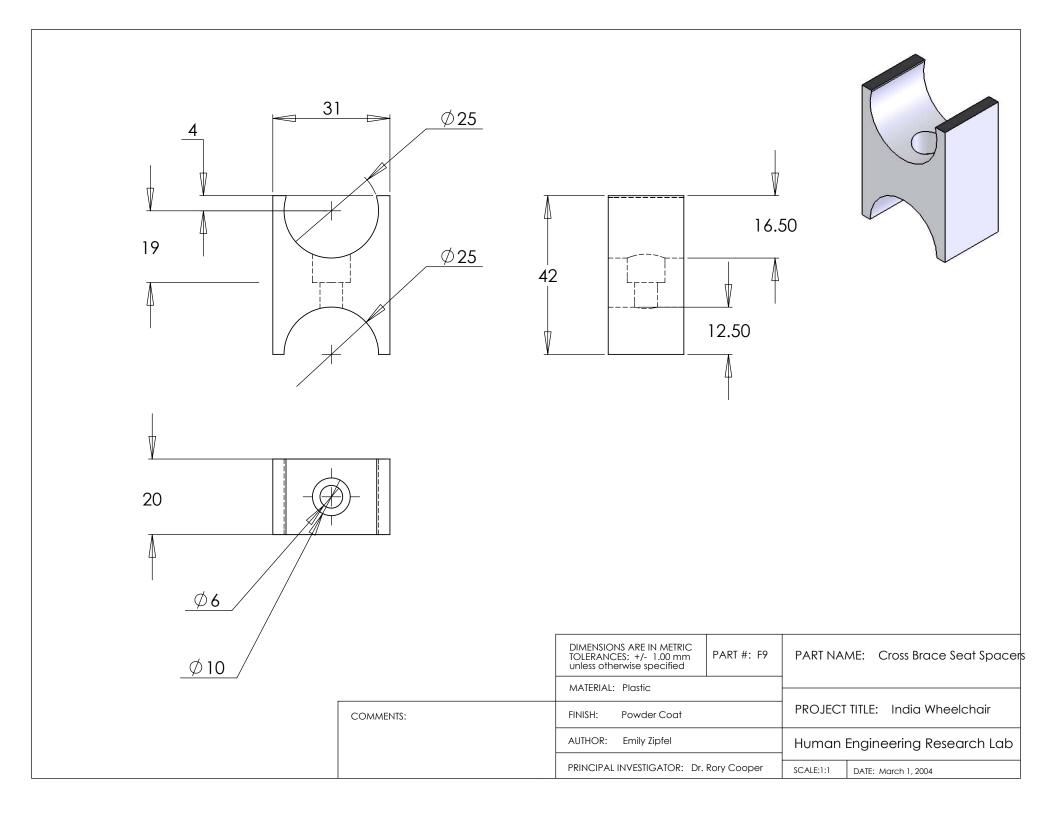


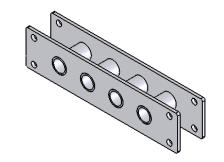


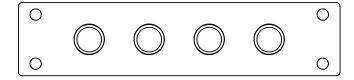




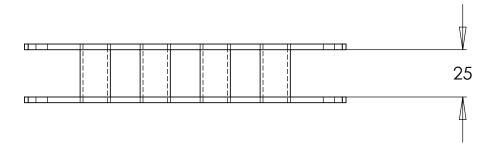
DIMENSIONS ARE II TOLERANCES: +/- unless otherwise sp	1.00 mm PART	#: F8	PART NAI	ΛE:	Back Rest Frame Pivot Pl	лg
MATERIAL: 1018 C	arbon Steel					
FINISH: Powde		PROJECT TITLE: India Wheelchair				
AUTHOR: Emily Z		Human Engineering Research Lab				
PRINCIPAL INVESTIG	oper	SCALE:1:1	DATE:	March 1, 2004		



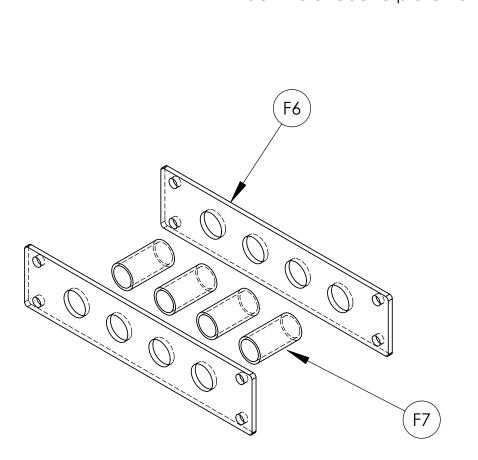


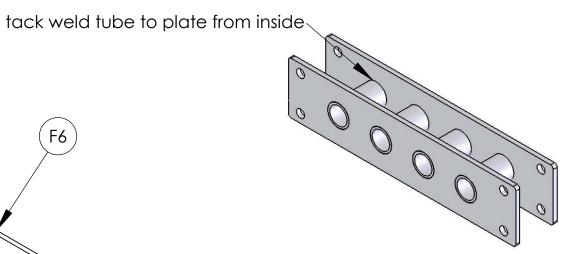






	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified		#: fa1	PART NAME:		AE: Eccentric Caster Bushir Housing	
	MATERIAL: 1018 Carbon Steel						
COMMENTS:	FINISH: Powder Coat			PROJECT	TITLE	: India Wheelchair	
	AUTHOR: Emil	ly Zipfel		Human	Engi	neering Research Lab	
	PRINCIPAL INVESTIGATOR: Dr. Rory Cooper			SCALE:1:2	DATE	: March 1, 2004	





	DIMENSIONS ARE IN METRIC TOLERANCES: +/- 1.00 mm unless otherwise specified	# fa2	PART NA	ME: Axle Plate Assembly Exploded
	MATERIAL: 1018 Carbon Steel			
COMMENTS:	FINISH: Powder Coat		PROJECT	TITLE: India Wheelchair
	AUTHOR: Emily Zipfel		Human	Engineering Research Lab
	PRINCIPAL INVESTIGATOR: Dr.	Rory Cooper	SCALE:1:2	DATE: March 1, 2004

