



AfricaRice

Upland rice weeder

(CFAMA, Madagascar*)



** Centre de Formation et d'Application du Machinisme Agricole, Antsirabe, Madagascar. Technical drawings made by Godfrey Mwinama, CAMARTEC, Tanzania (2016)*

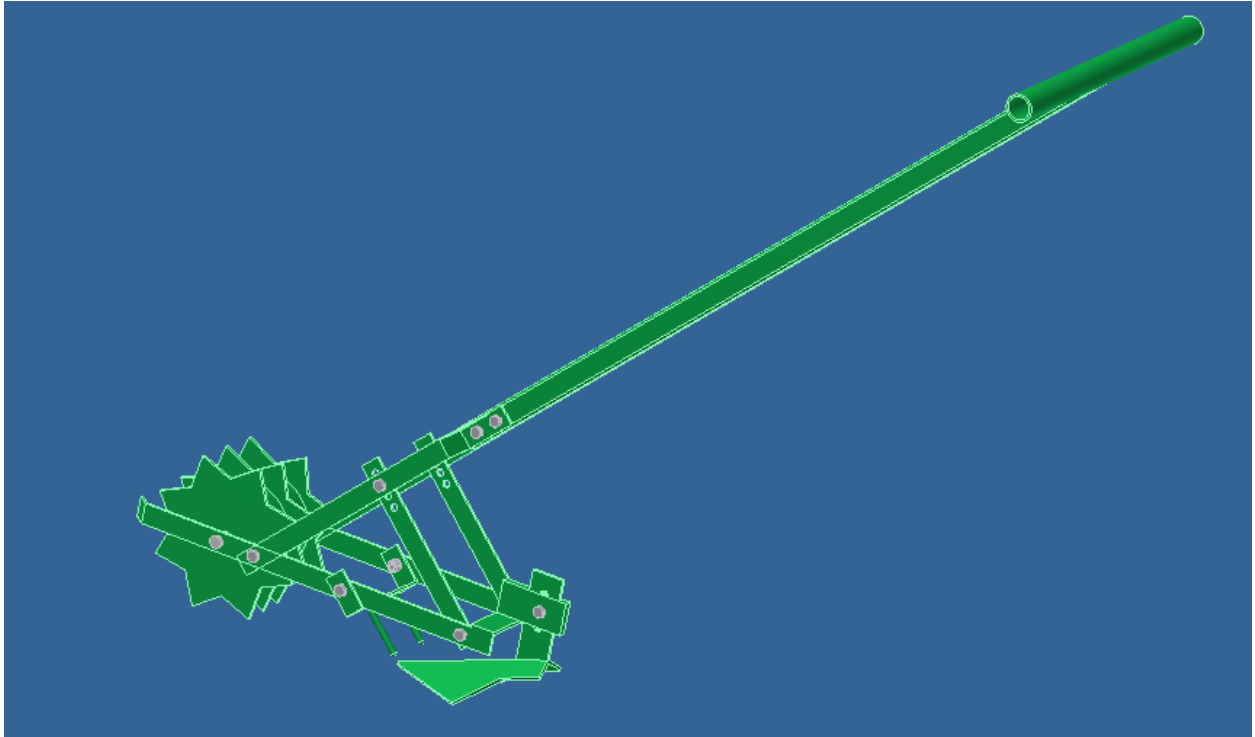


Figure 1: Pictorial view of weeder assembly

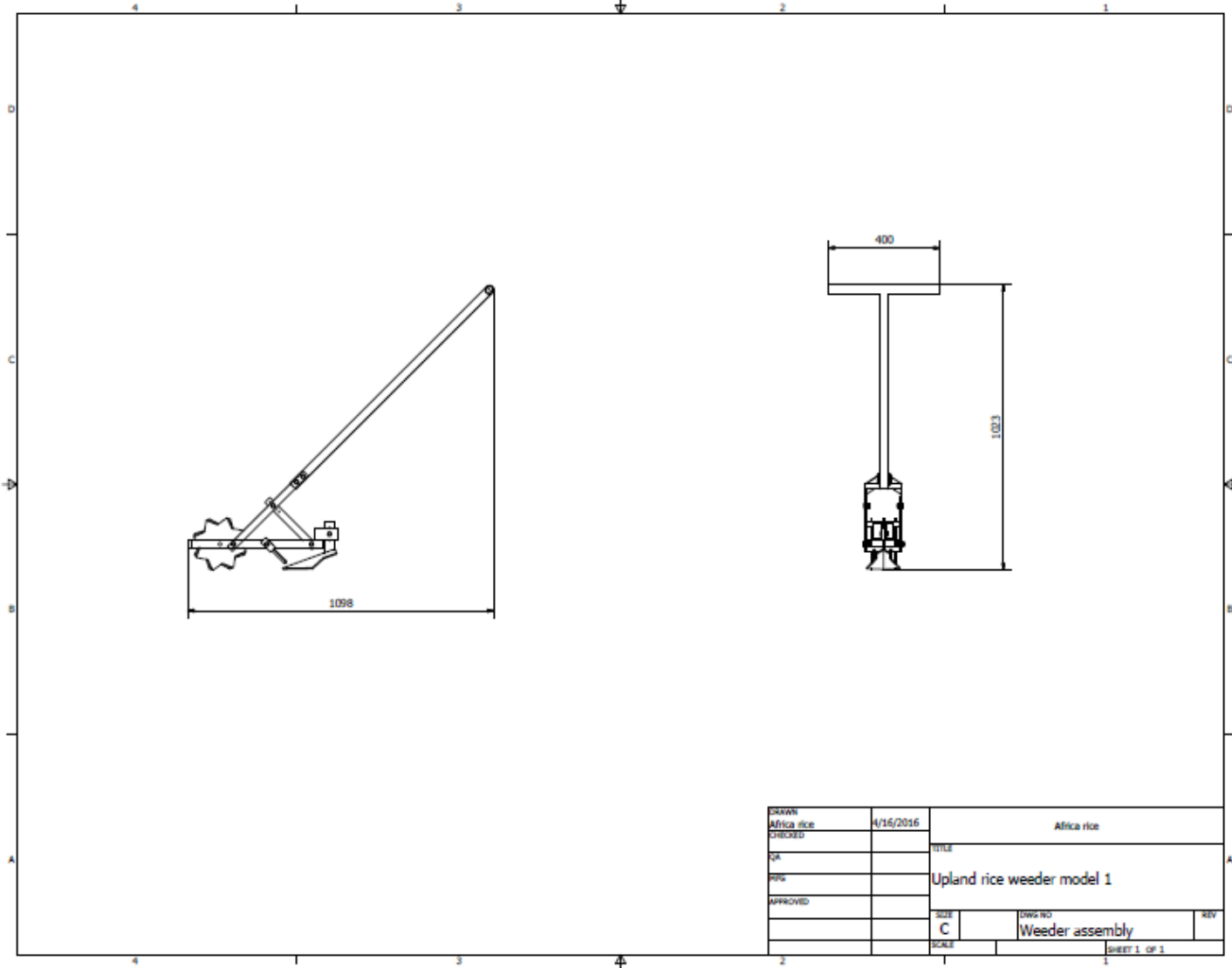


Figure 2: Technical drawing of weeder assembly

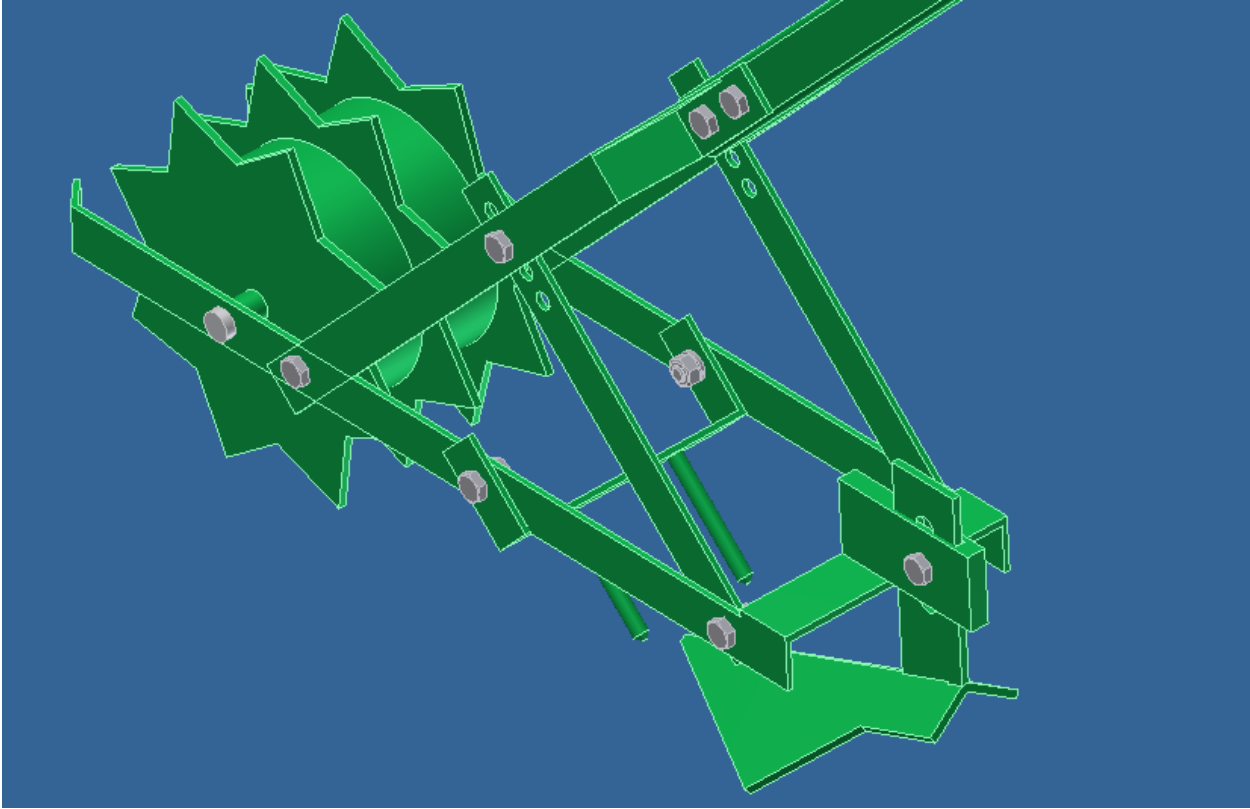
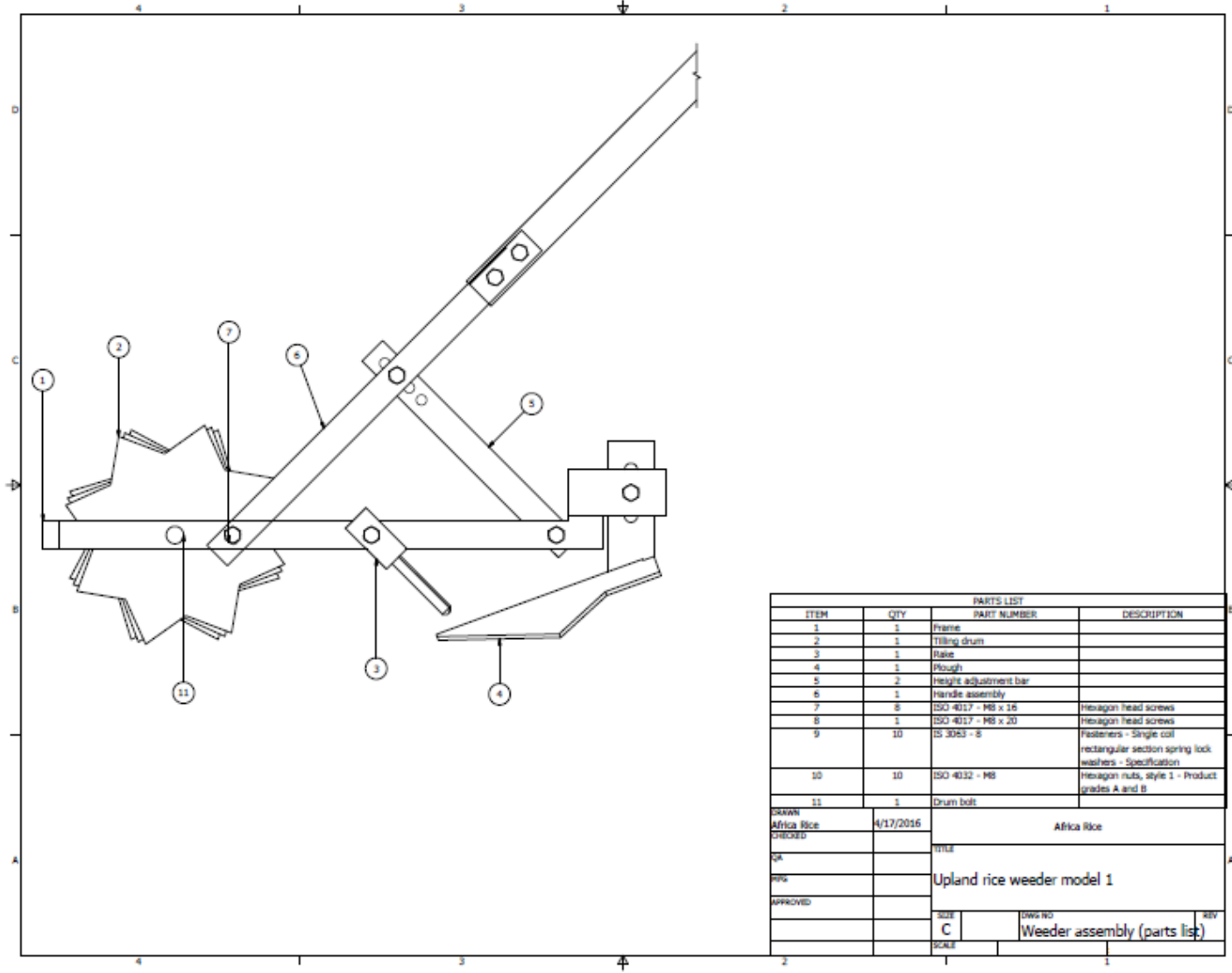


Figure 3: Pictorial view of weeder assembly (Handle incomplete)



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1		Frame
2	1		Tilting drum
3	1		Rake
4	1		Ptough
5	2		Height adjustment bar
6	1		Handle assembly
7	8	ISO 4017 - M8 x 16	Hexagon head screws
8	1	ISO 4017 - M8 x 20	Hexagon head screws
9	10	IS 3053 - 8	Fasteners - Single coil rectangular section spring lock washers - Specification
10	10	ISO 4032 - M8	Hexagon nuts, style 1 - Product grades A and B
11	1		Drum bolt
DRAWN	Africa Rice		
CHECKED	4/17/2016		
QA	TITLE		
REV	Upland rice weeder model 1		
APPROVED	SCALE	DATE	REV
	C	Weeder assembly (parts list)	

Figure 4: Weeder assembly showing some part list

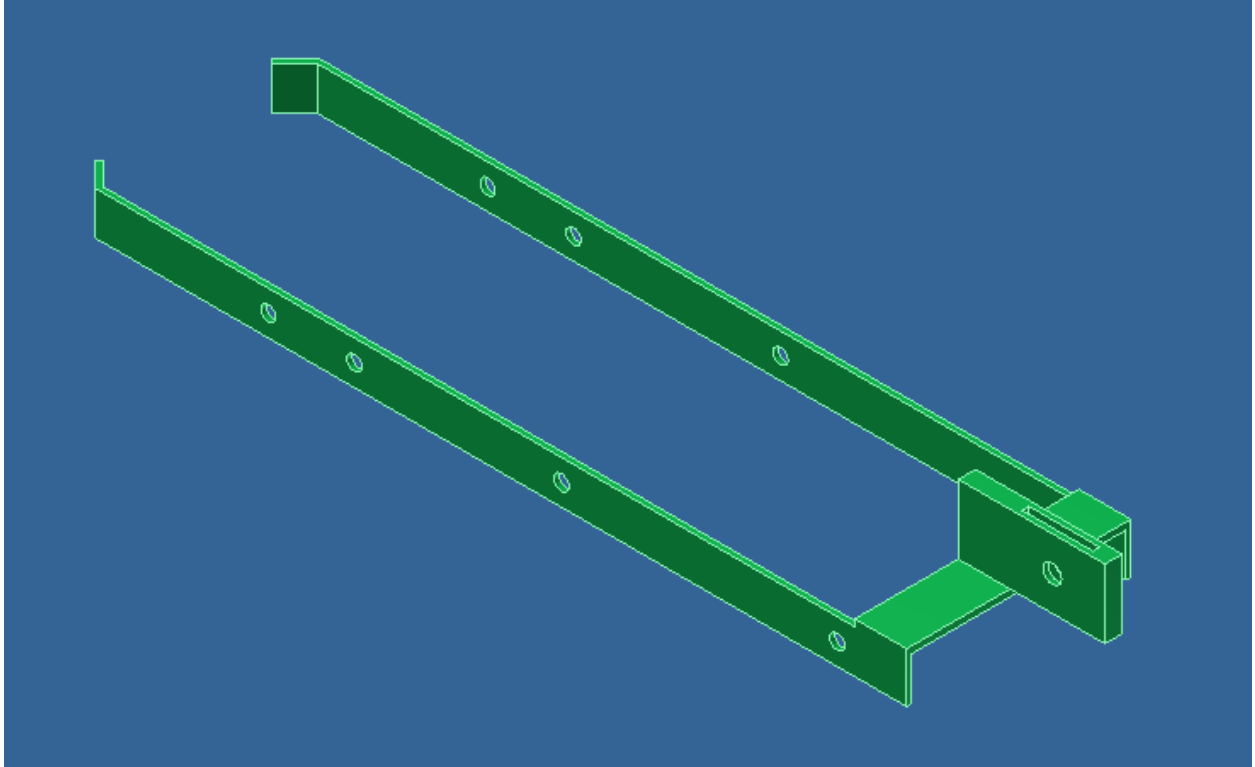


Figure 5: Pictorial view of weeder frame

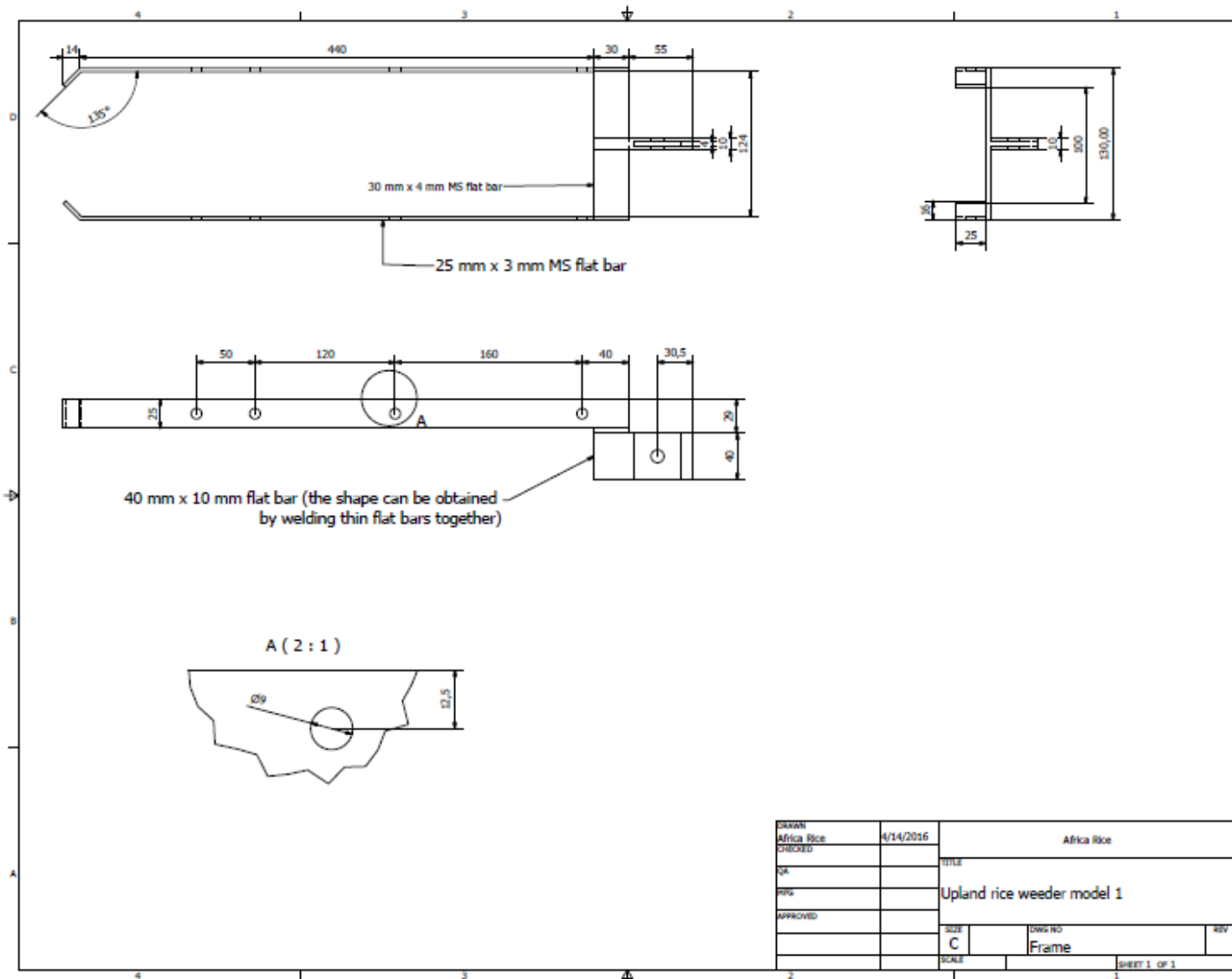


Figure 6: Technical drawing of weeder frame

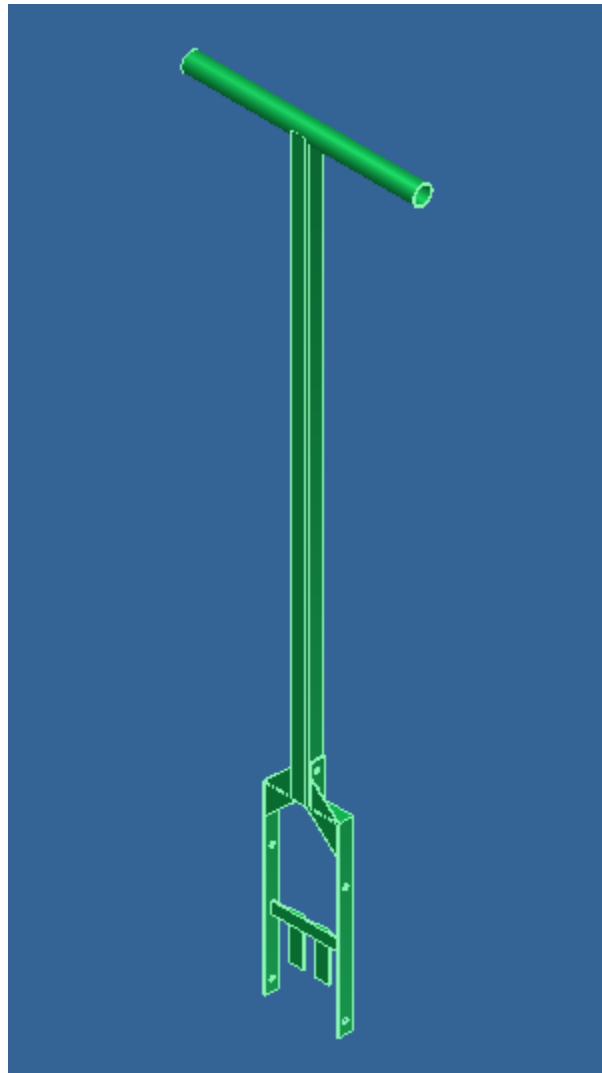


Figure 7: Pictorial view of handle assembly

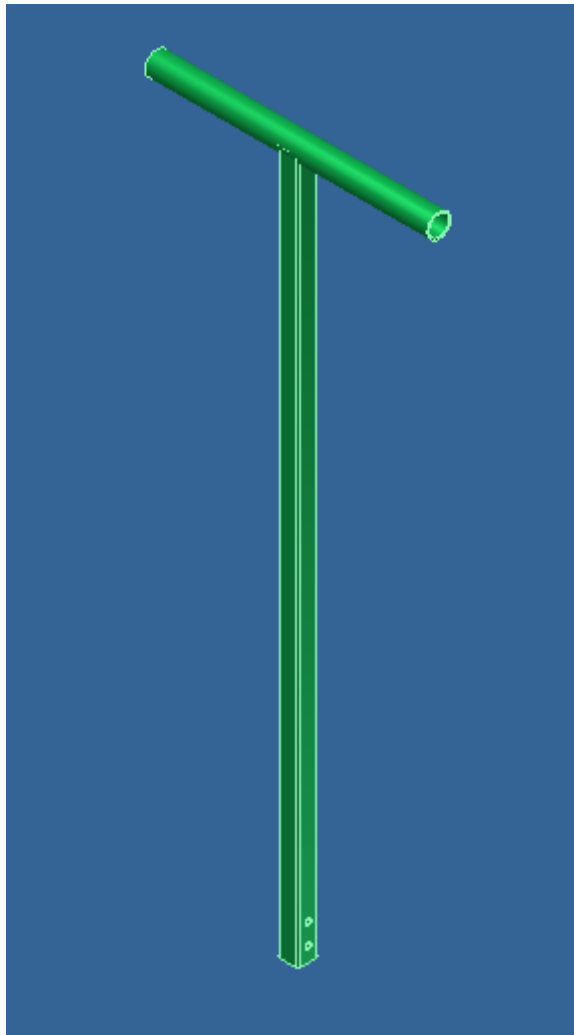


Figure 8: Pictorial view of weeder handle

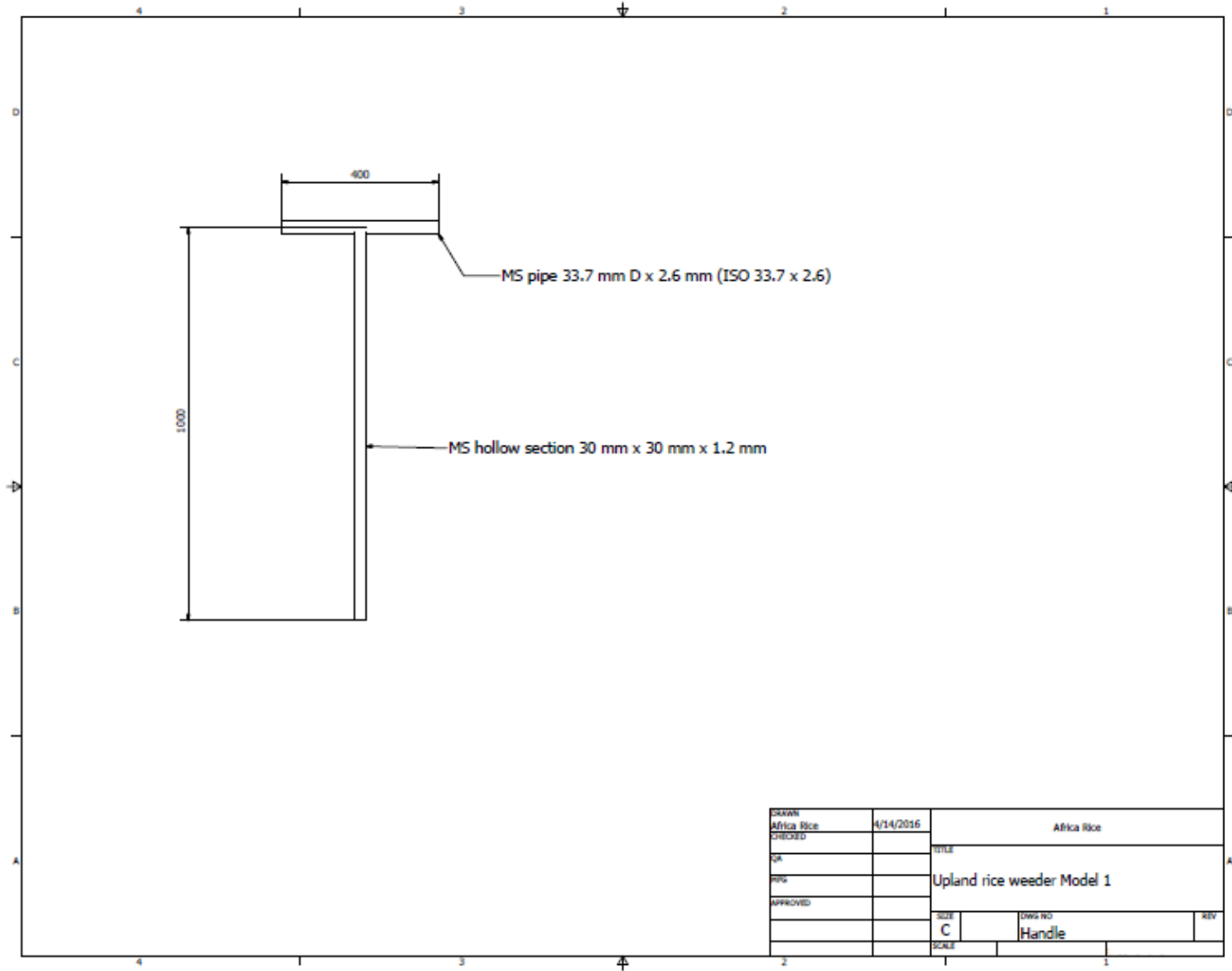


Figure 9: Technical drawing of weeder handle

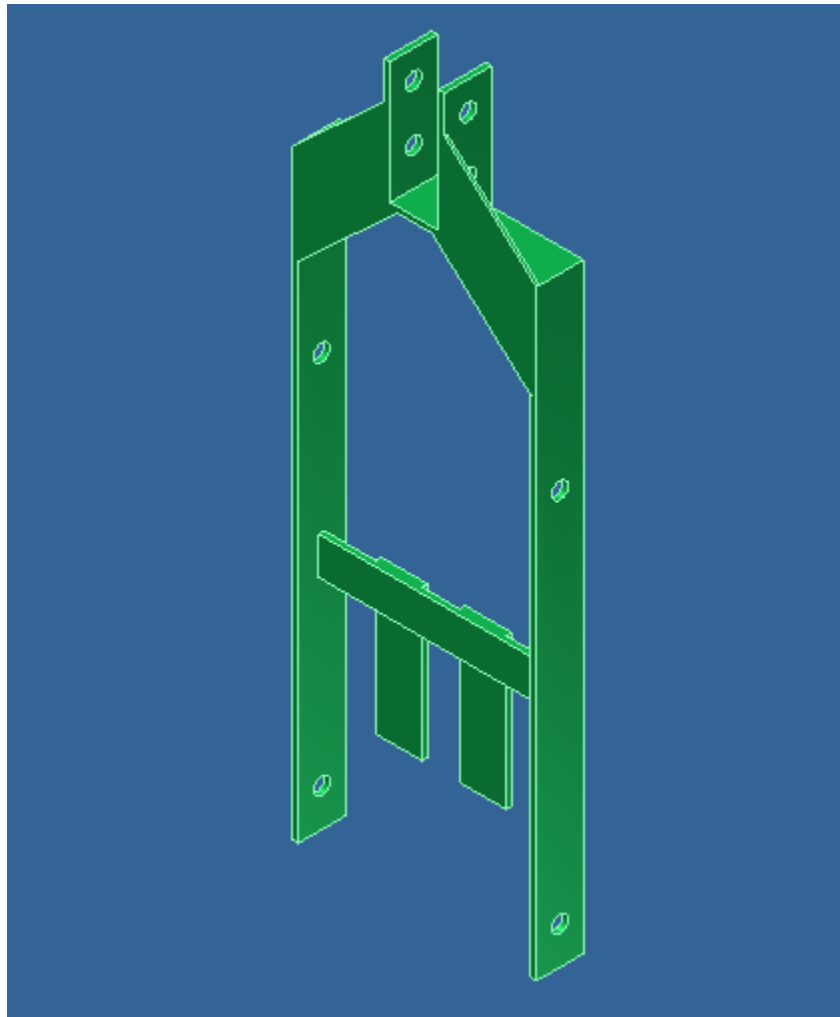


Figure 10: Pictorial view of weeder handle support

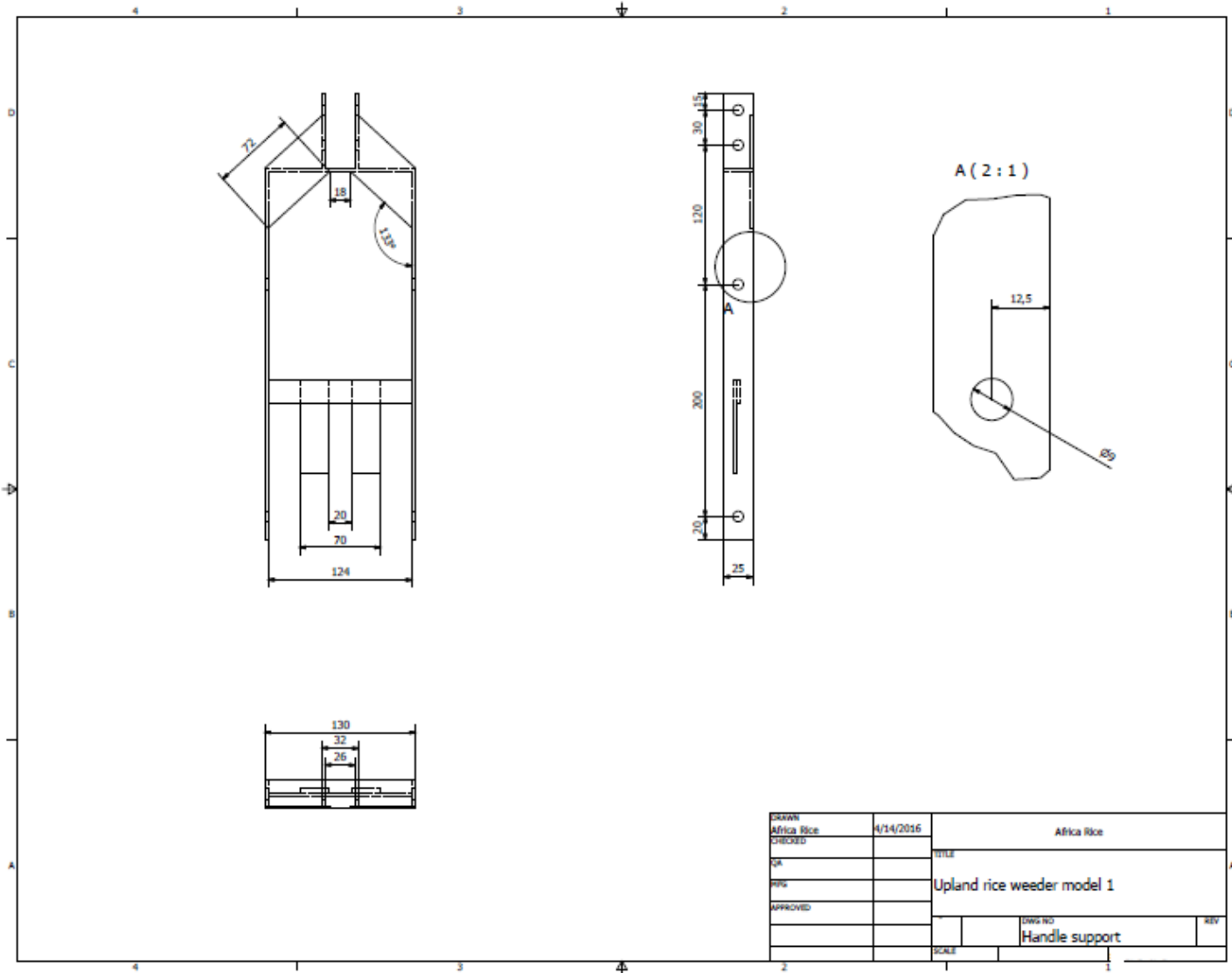


Figure 11: Technical drawing of weeder handle support

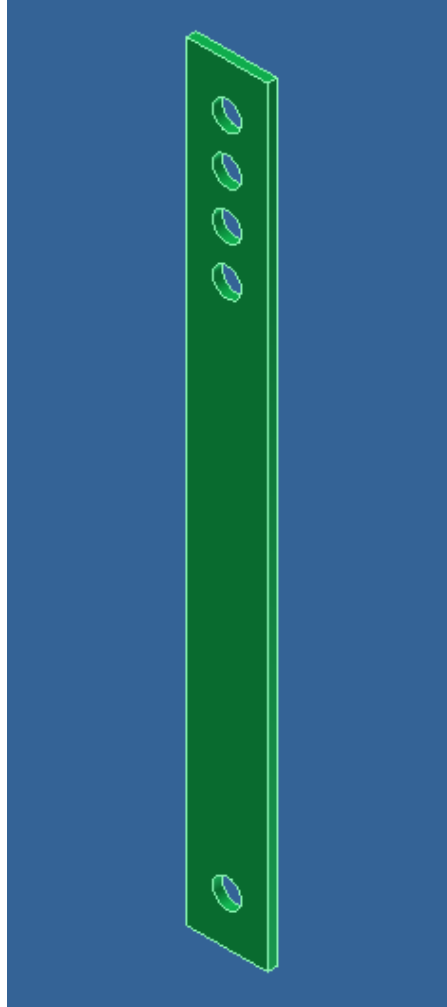


Figure 12: Pictorial view of height adjustment bar

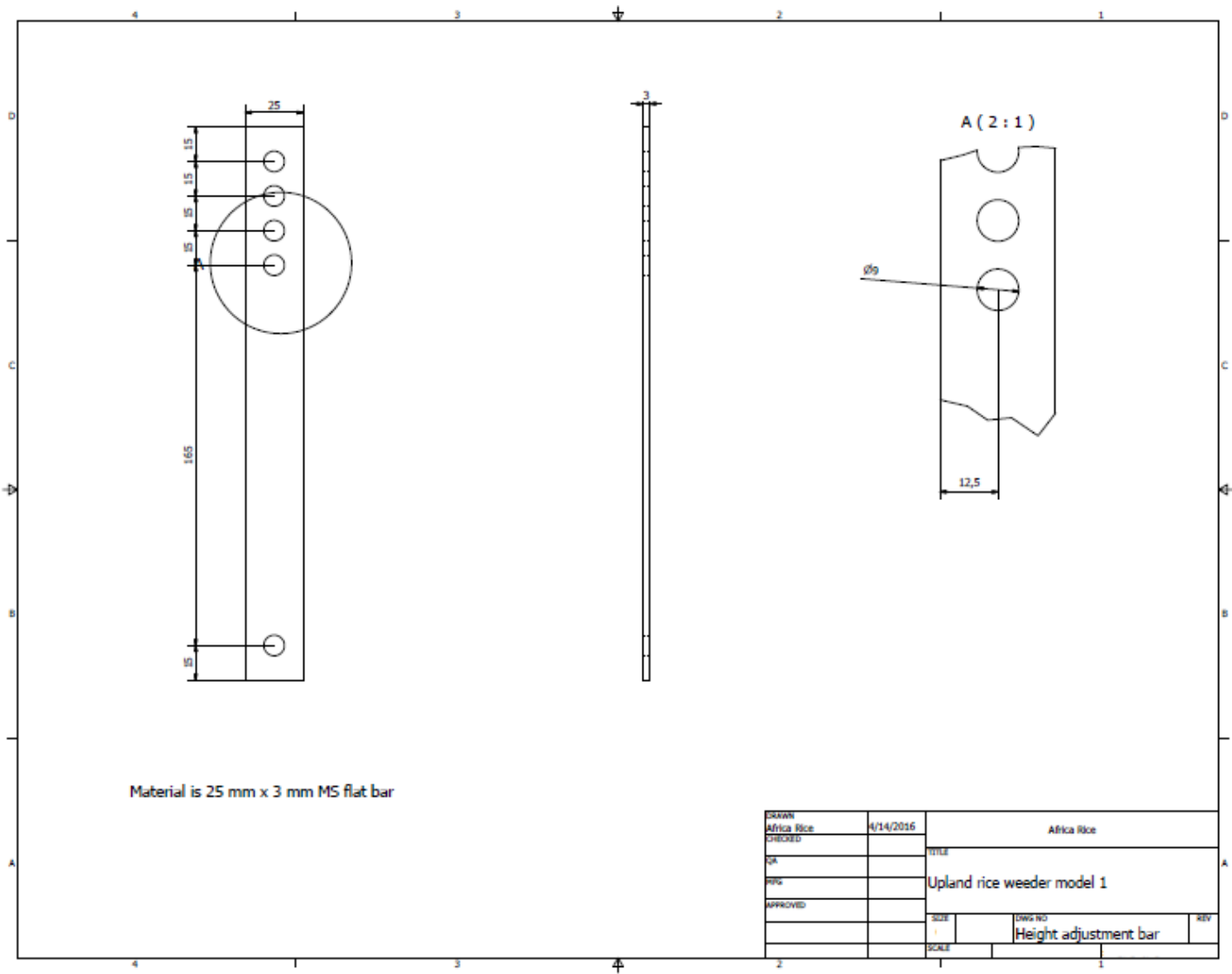


Figure 13: Technical drawing of height adjustment bar

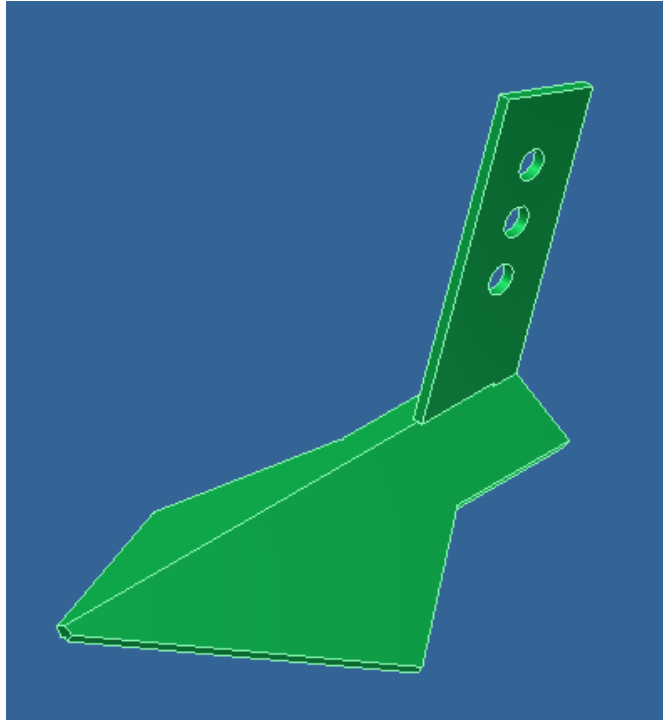
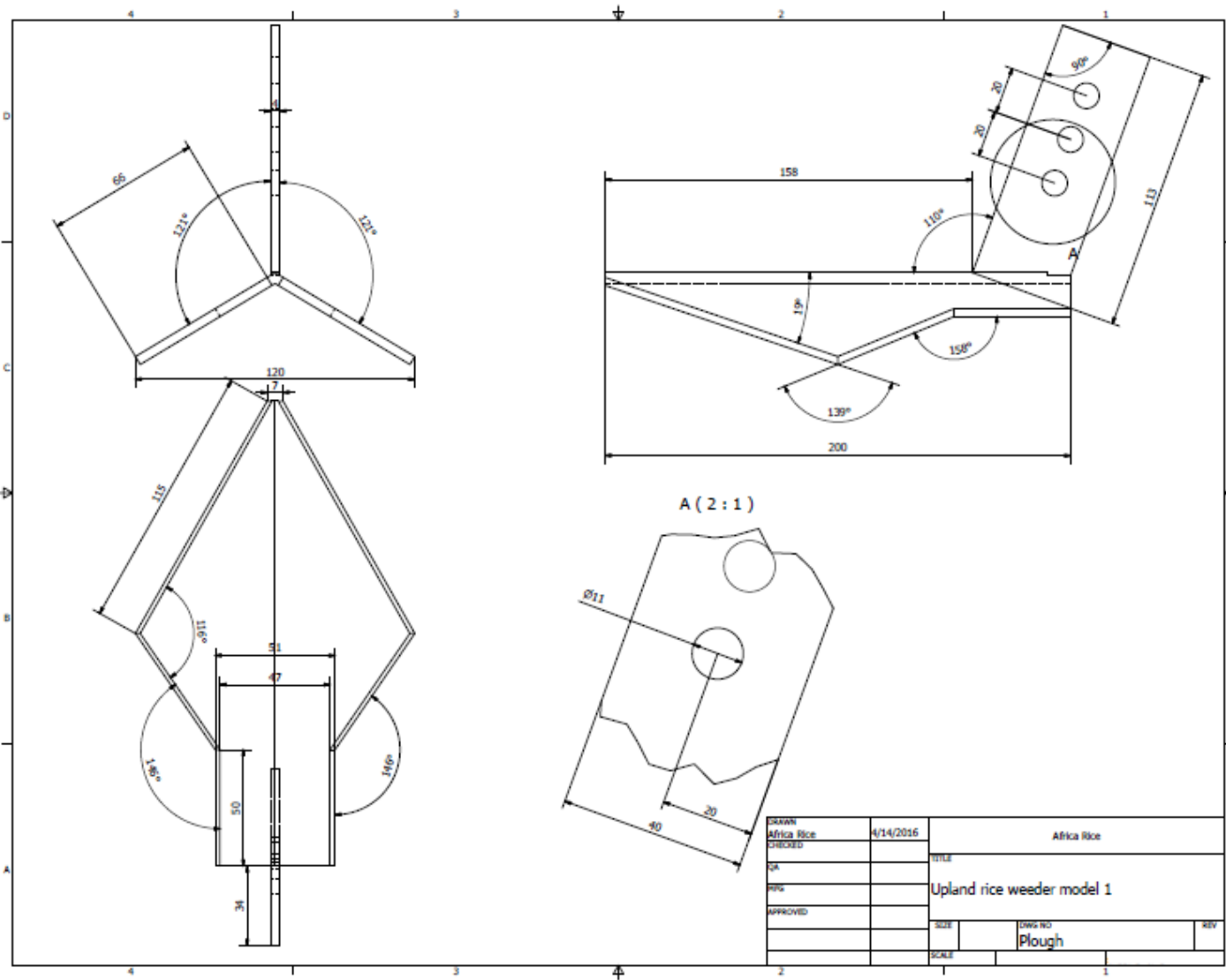


Figure 14: Pictorial view of Plough



DESIGNER	Africa Rice	DATE	4/14/2016	DRAWING NO.		Africa Rice	
CHECKED				TITLE			
QA				Upland rice weeder model 1			
FIG				SIZE	DWG NO		REV
APPROVED				Plough			
				SCALE			

Figure 15: Technical drawing of plough

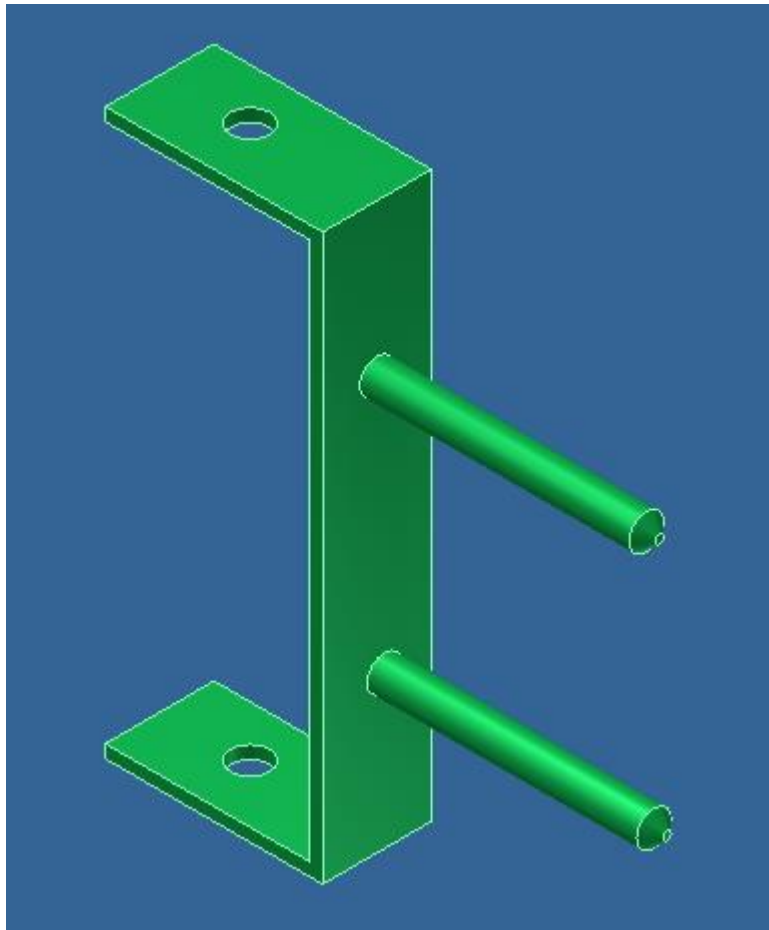


Figure 16: Pictorial view of rake

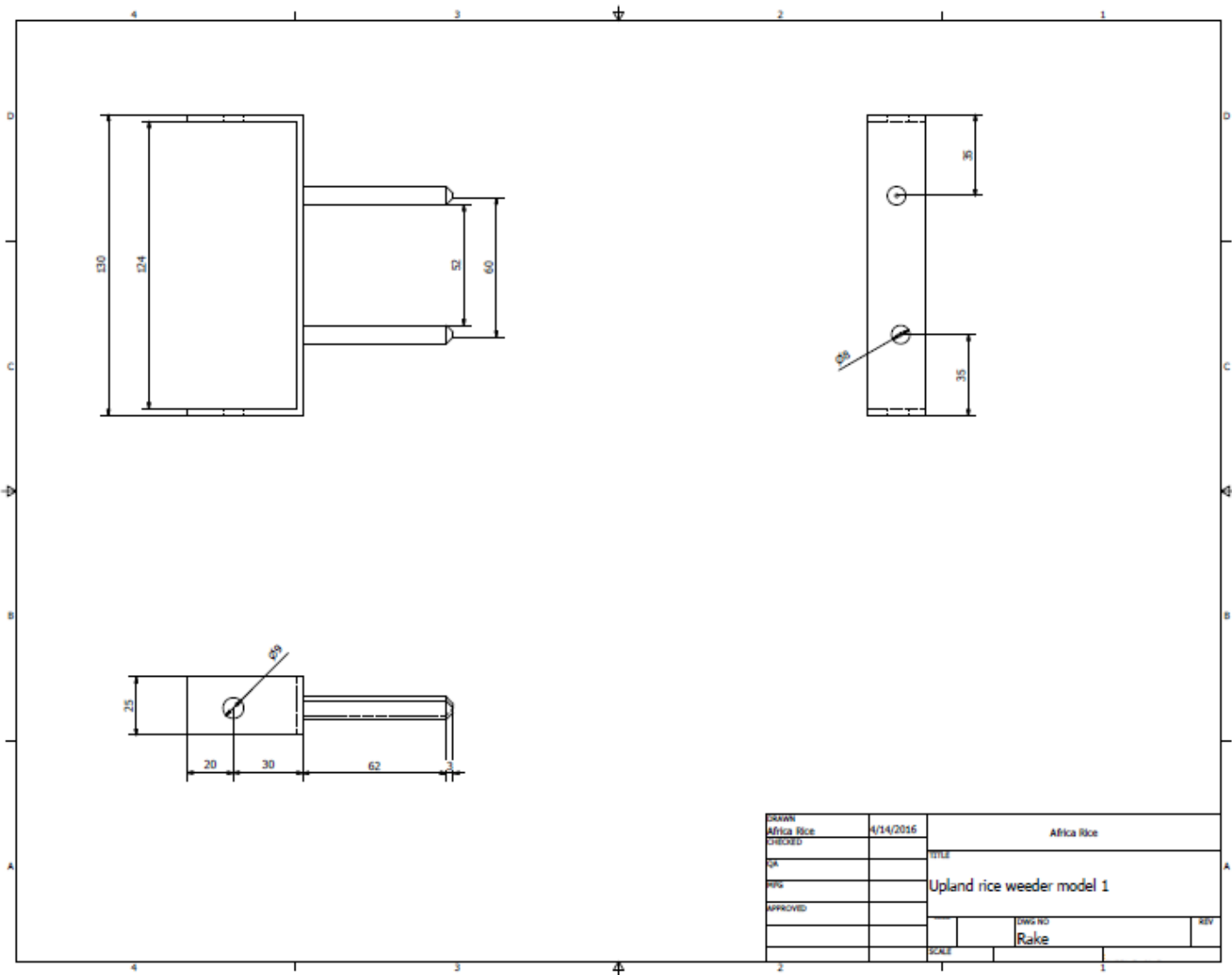


Figure 17: Technical drawing of rake

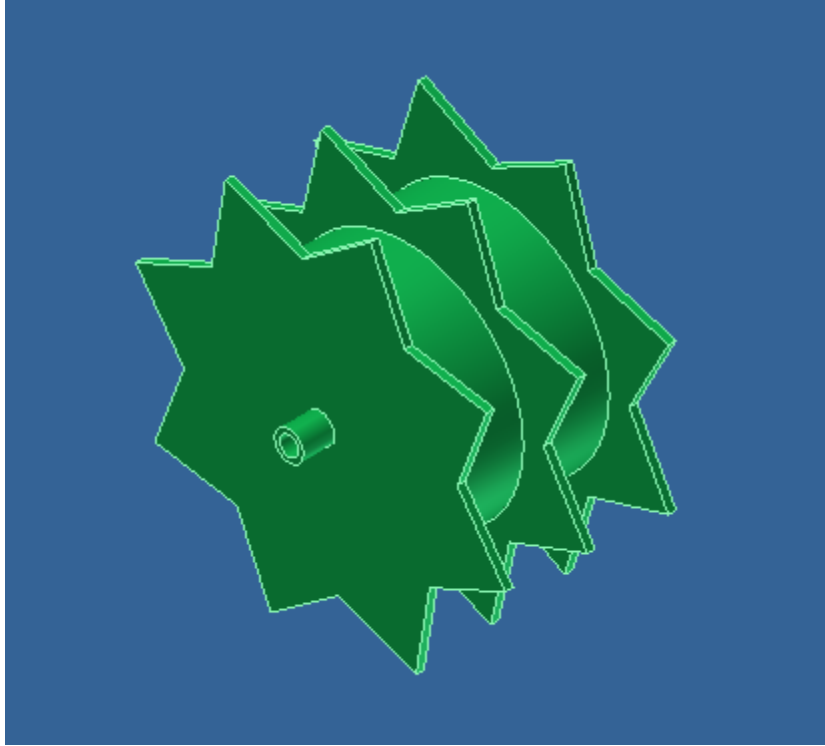


Figure 18: Pictorial view of tilling drum

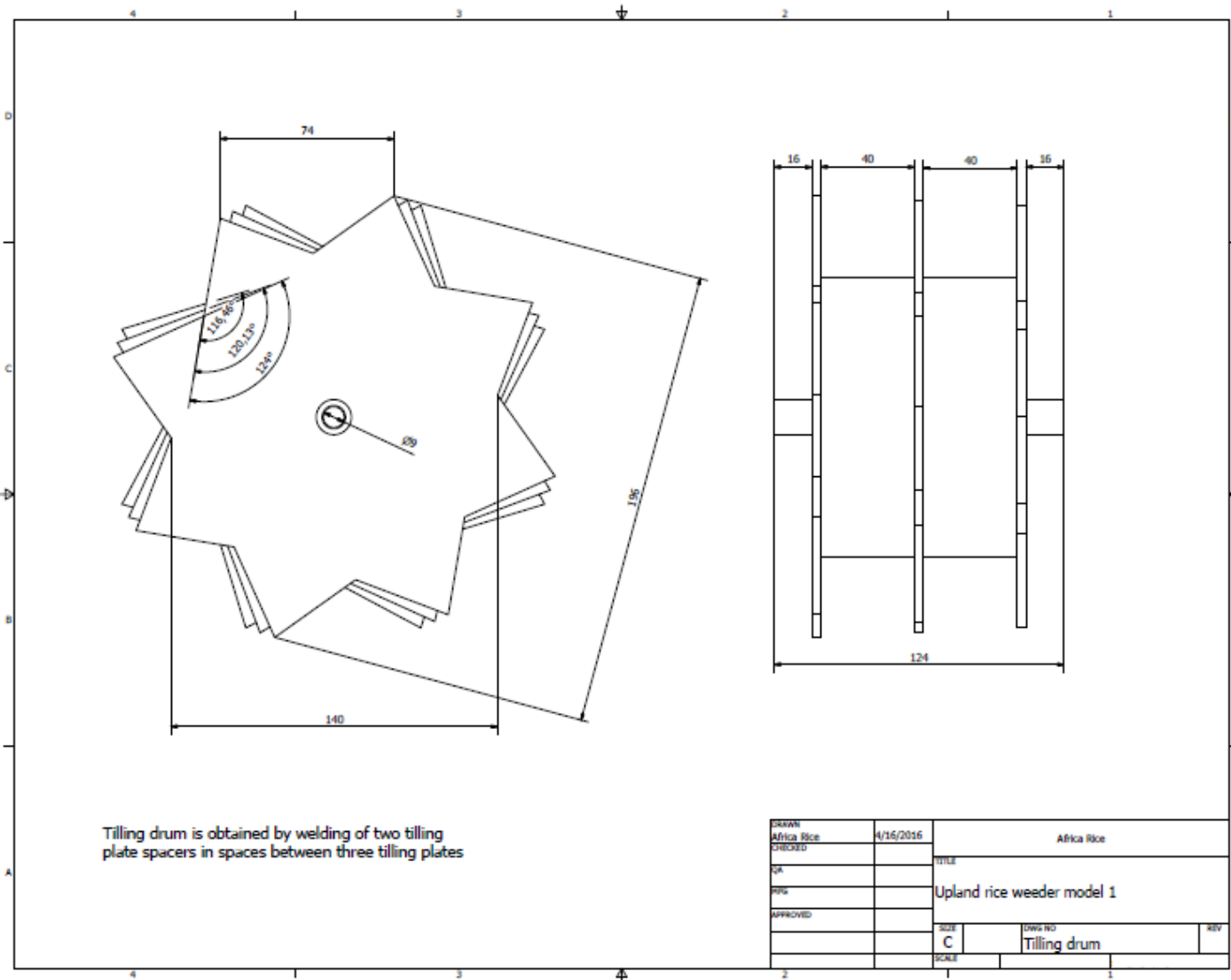


Figure 19: Technical drawing of tilling drum

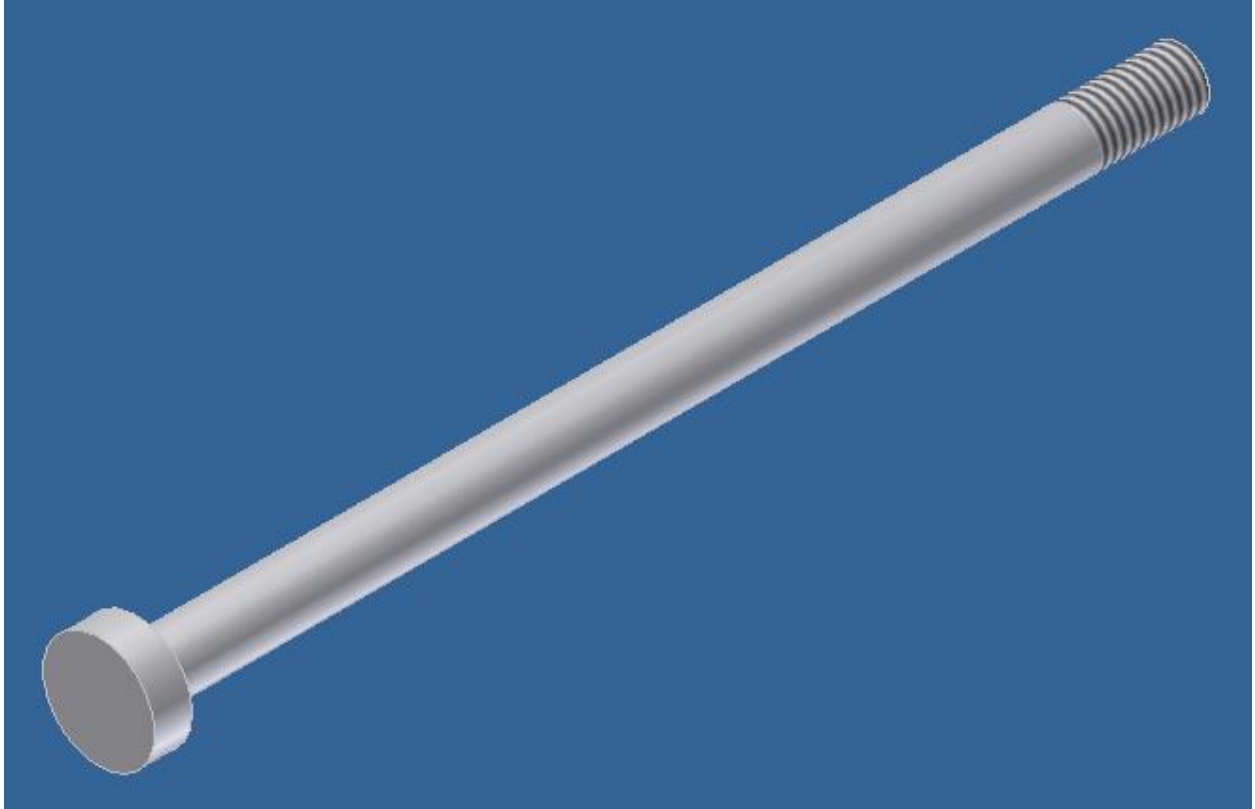


Figure 20: Pictorial view of tilling drum center bolt

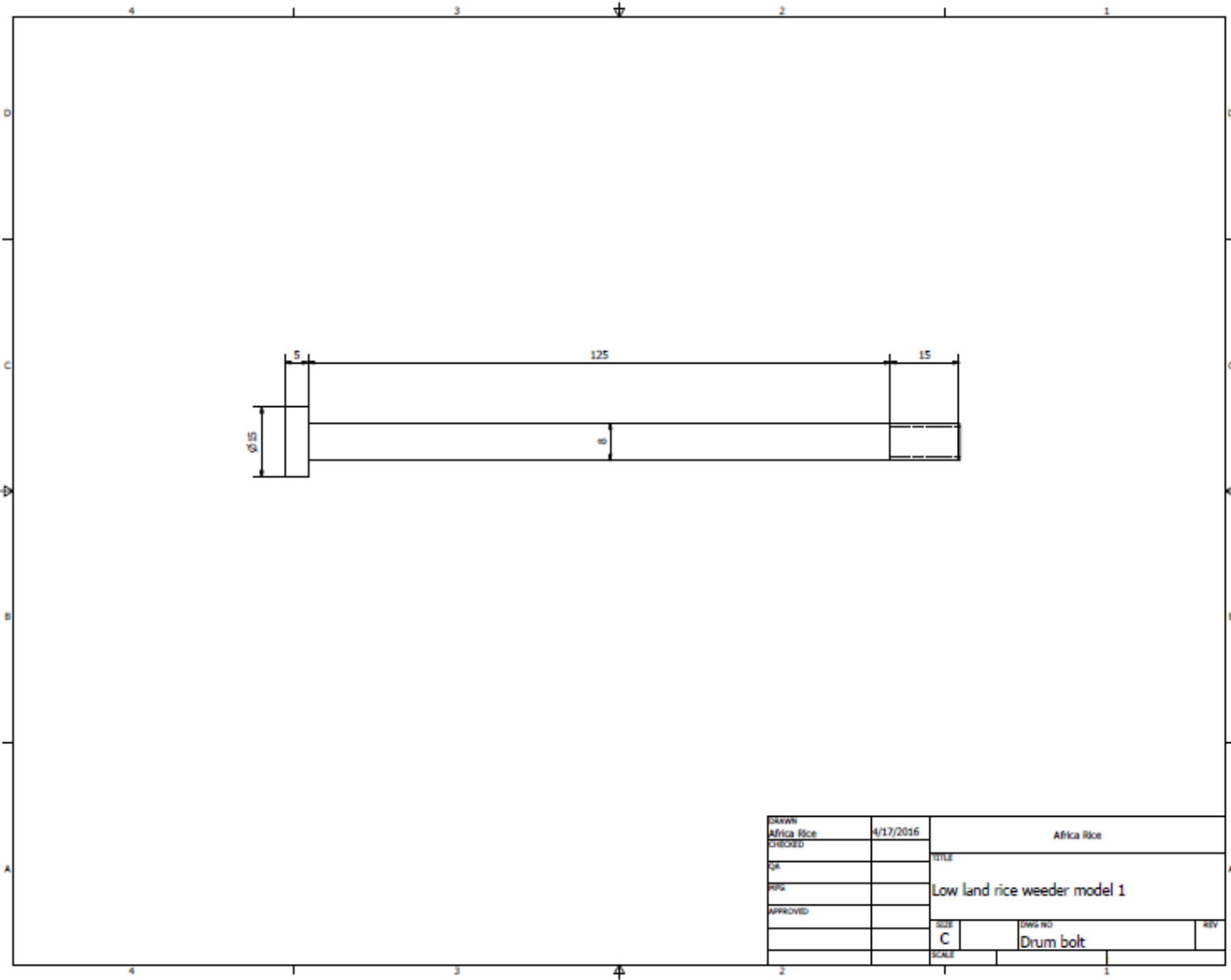


Figure 21: Tilling drum center bolt

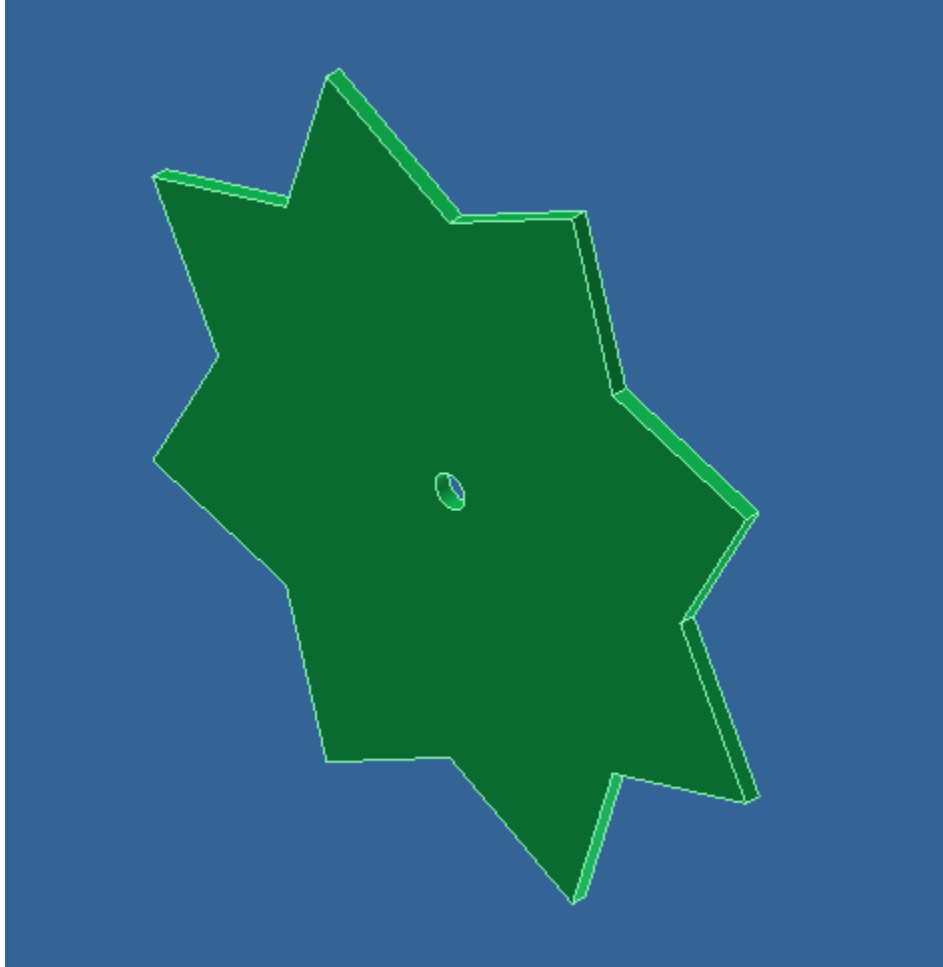


Figure 22: Pictorial view of tiling plate

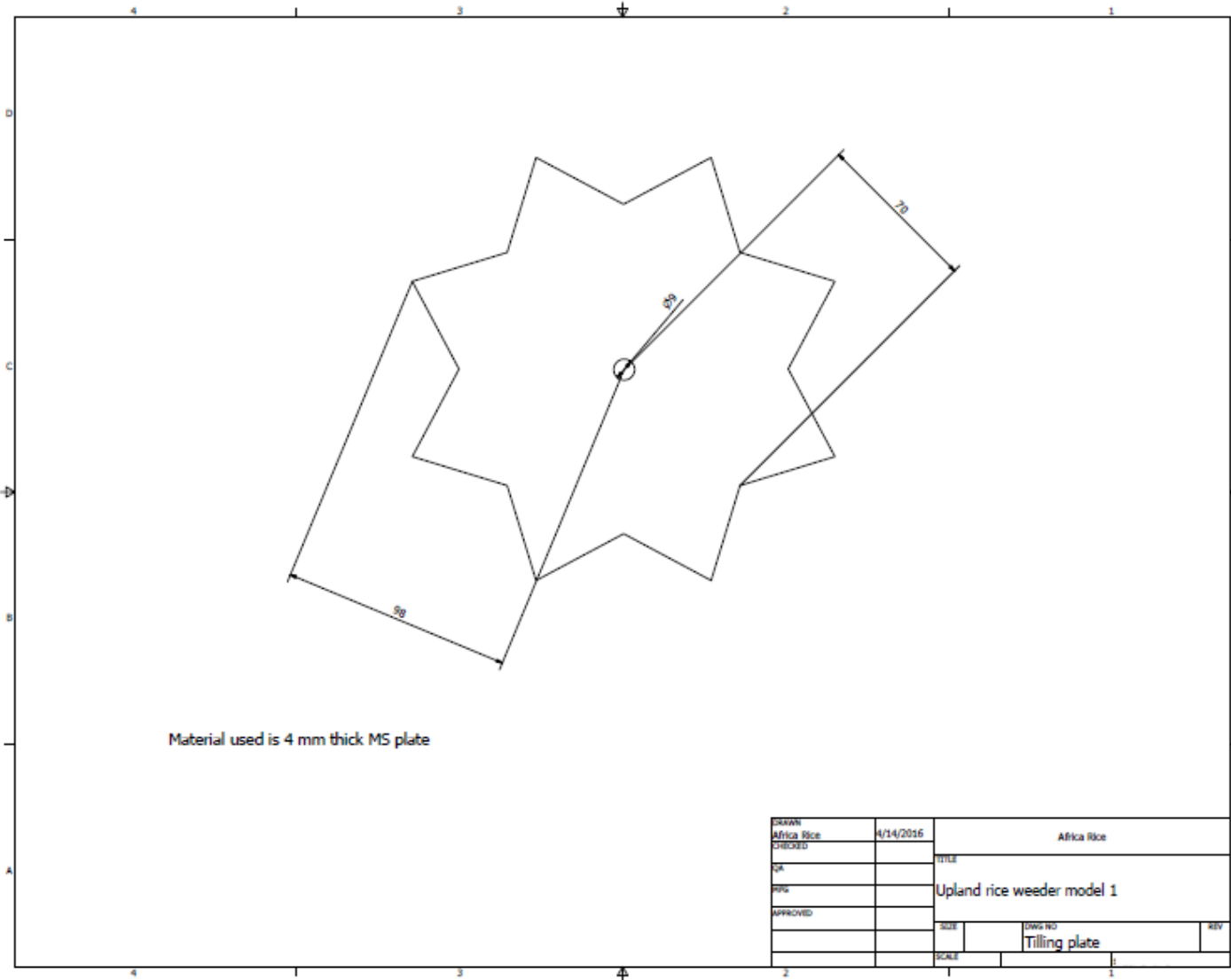


Figure 23: Technical drawing of tilling plate

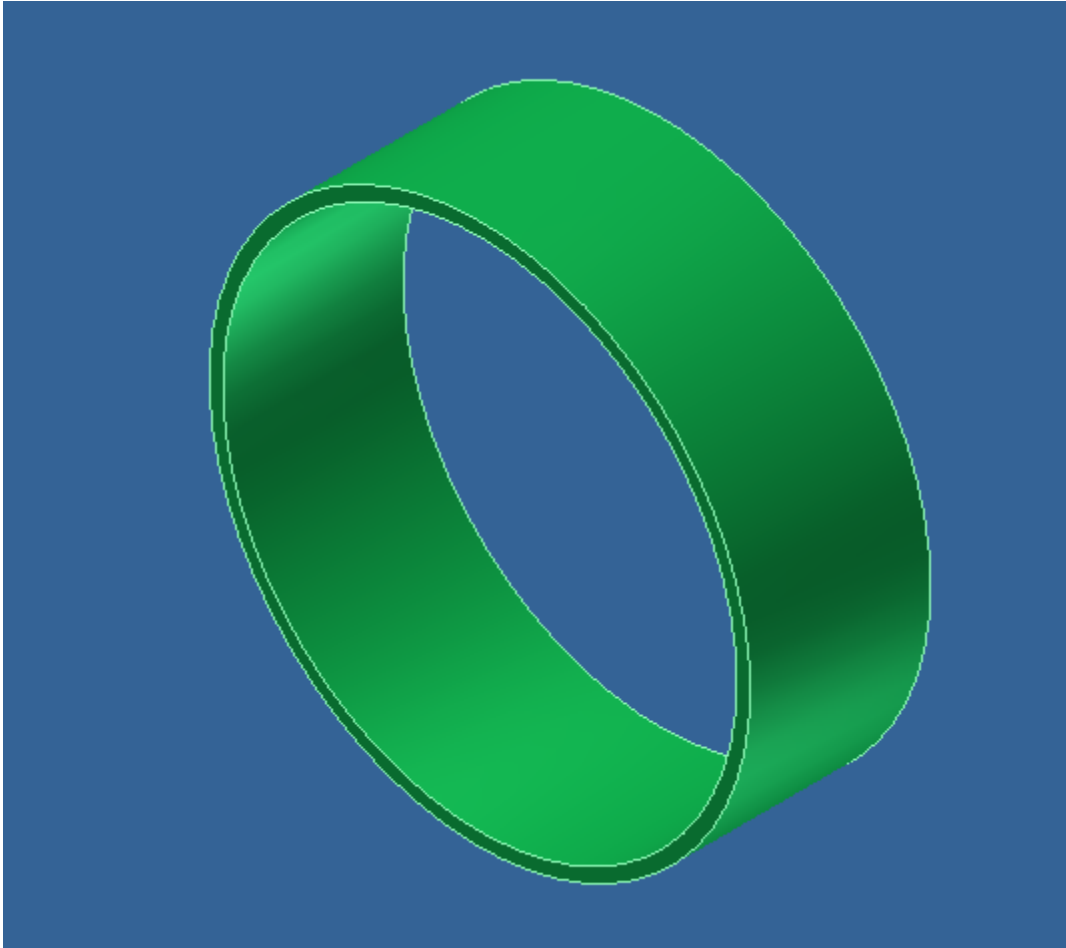


Figure 24: Pictorial view of tilling plate spacer

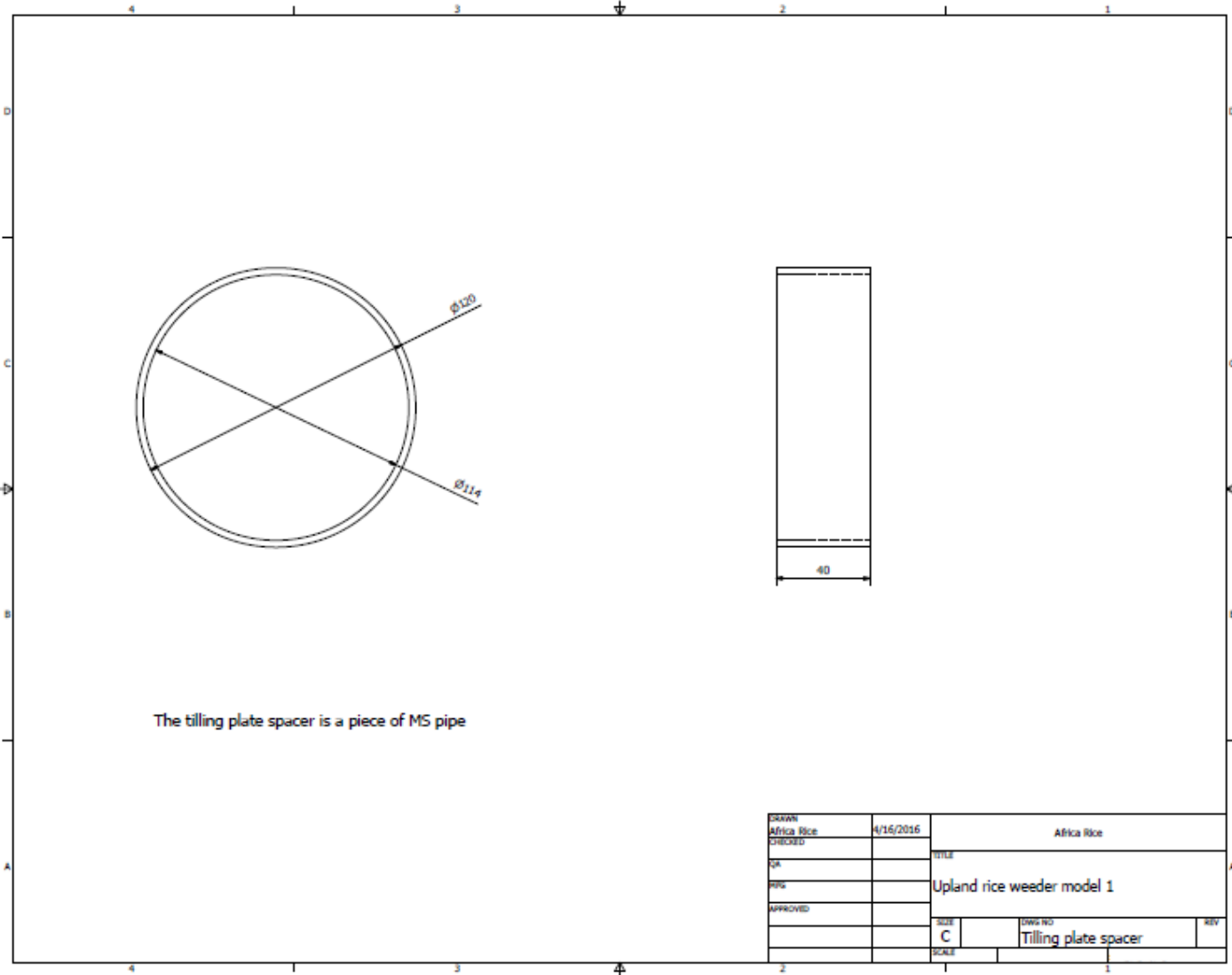


Figure 25: Technical drawing of tilling plate spacer