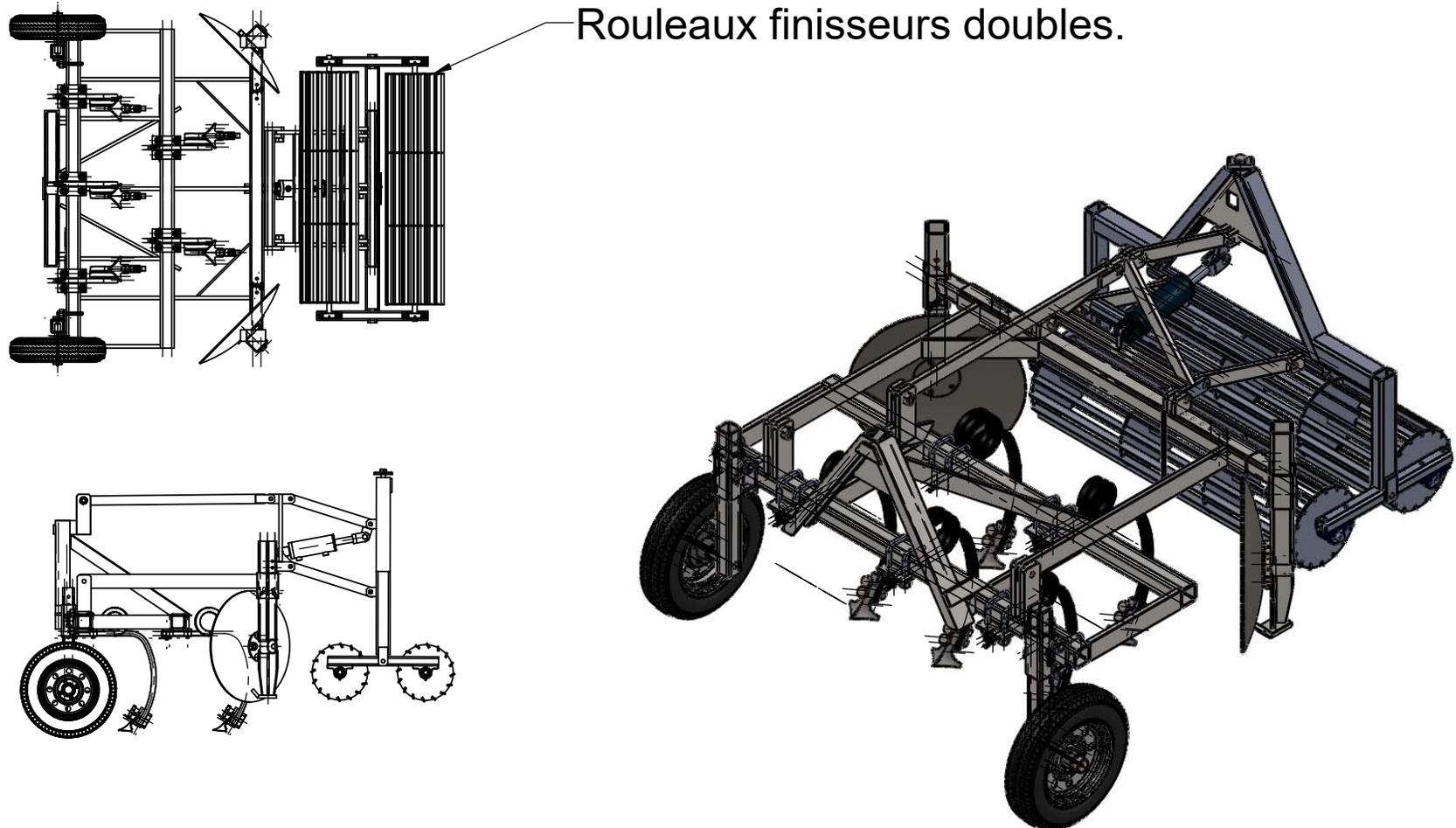
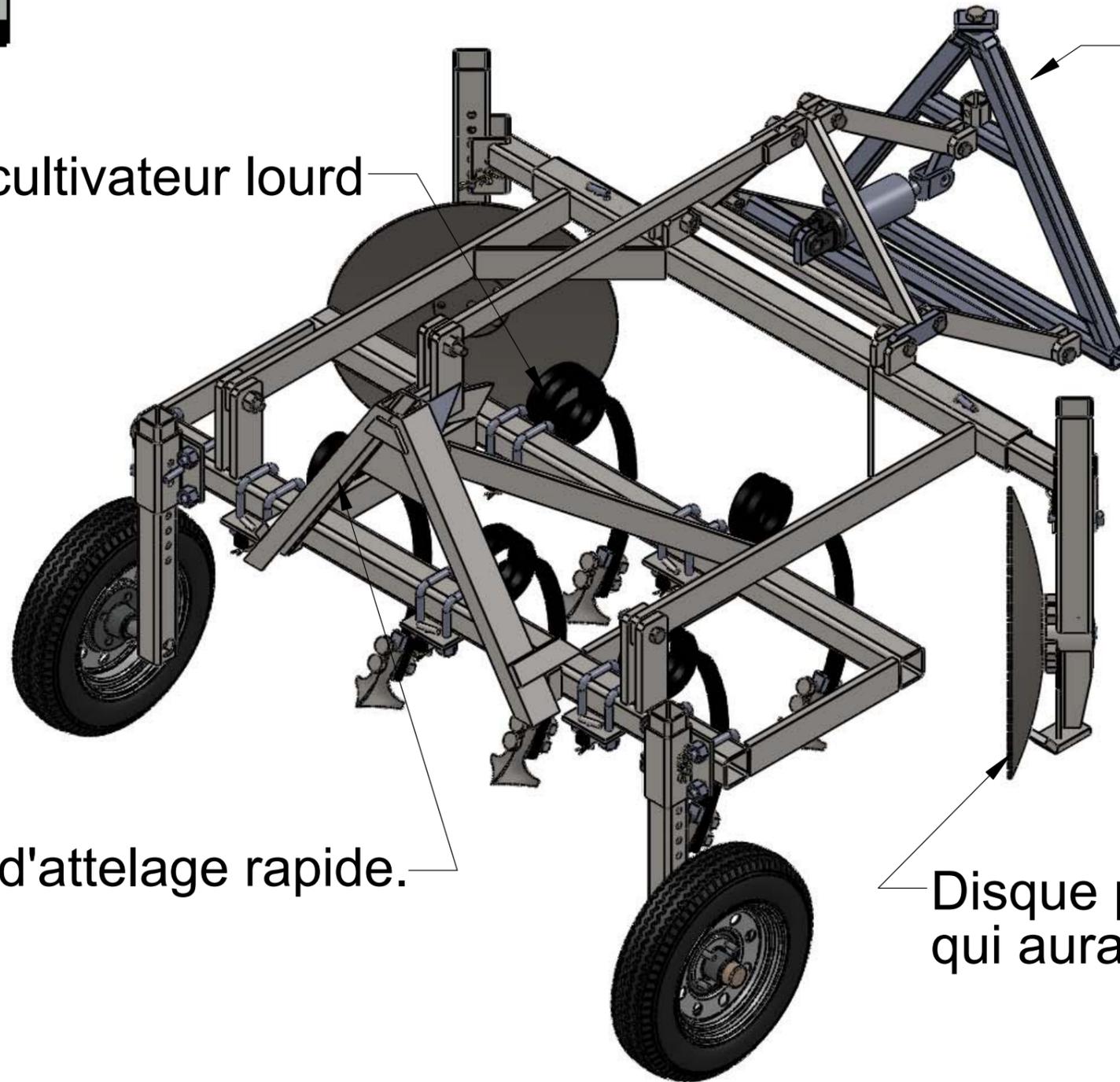


Date	2016/10/30		
Version	1		
Outil	Accessoire de cultibutte - rouleaux de finition		

Une réalisation des départements de Production horticole et de Fabrication de structures métalliques.



Dents de cultivateur lourd



Attache d'outils arrières interchangeables

Triangle d'attelage rapide.

Disque pour remonter la terre qui aurait déboulé de la planche.

Roue de jauge, permettant de régler la profondeur de travail jusqu'à 30 cm. sous les allées.

Le Cultibutte porte outil:  
Une idée originale de  
L'atelier paysan.

Version Québécoise dessinée par:  
Alain Robitaille

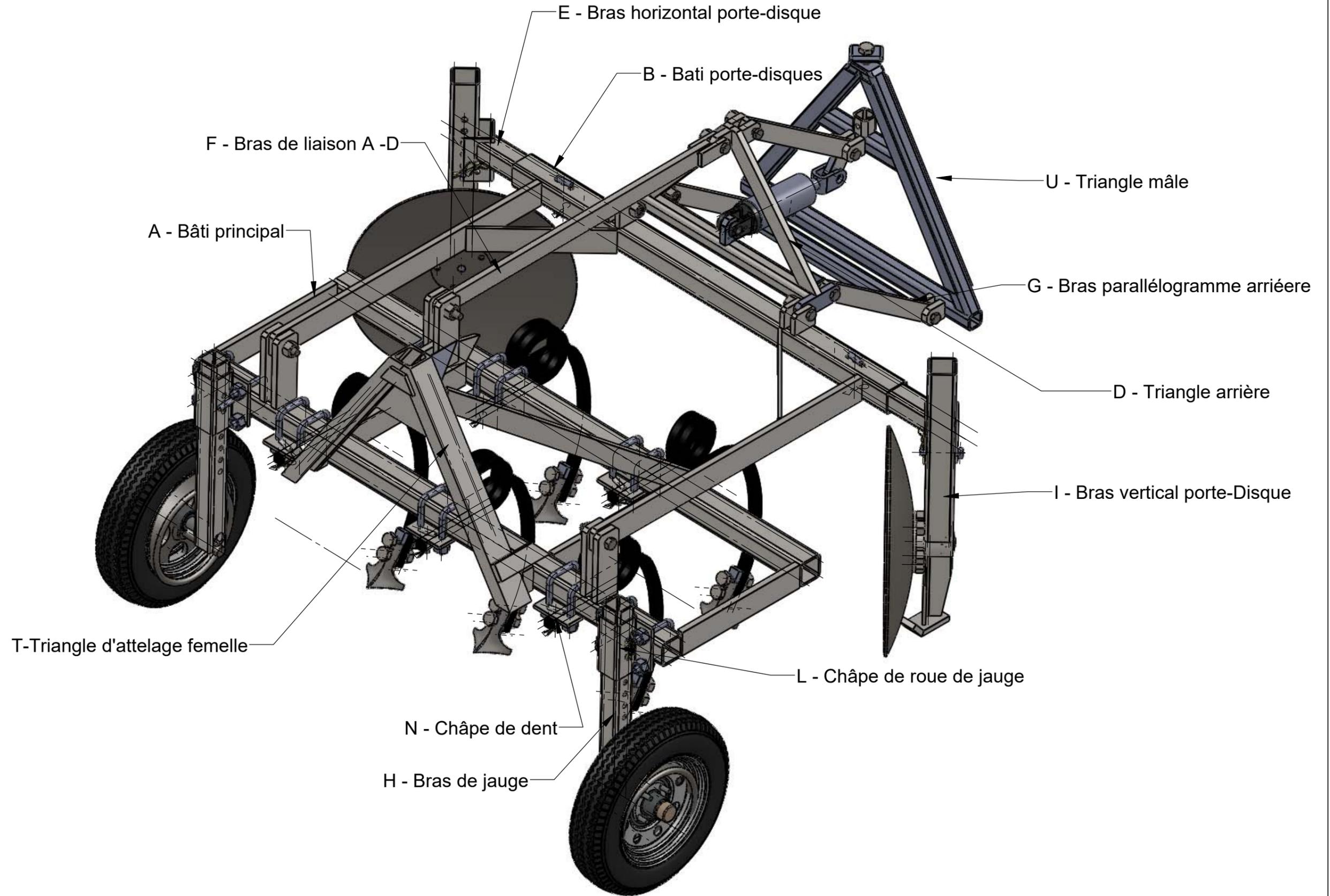
Modèle: janvier 2019

**L'atelier  
paysan**

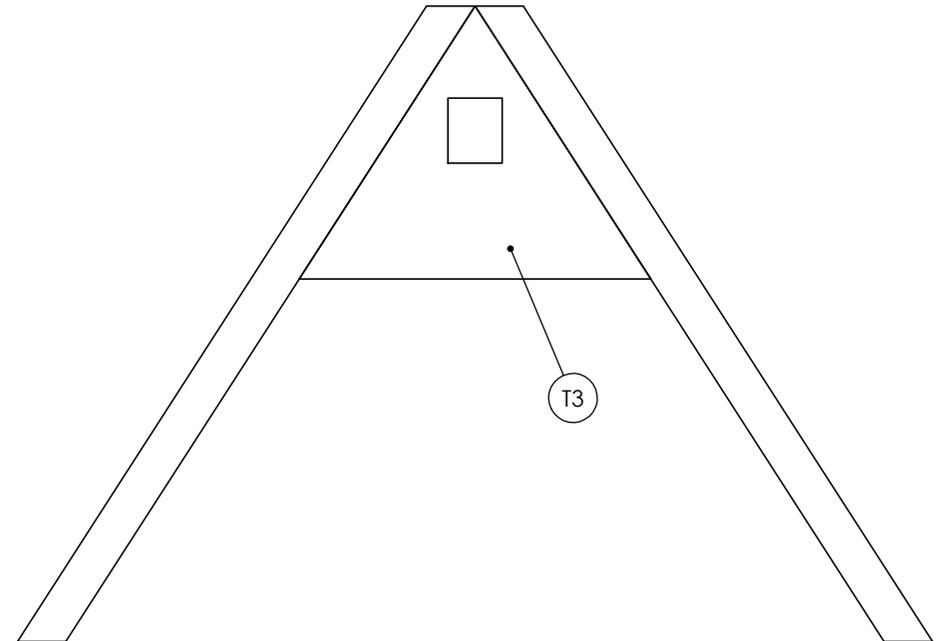
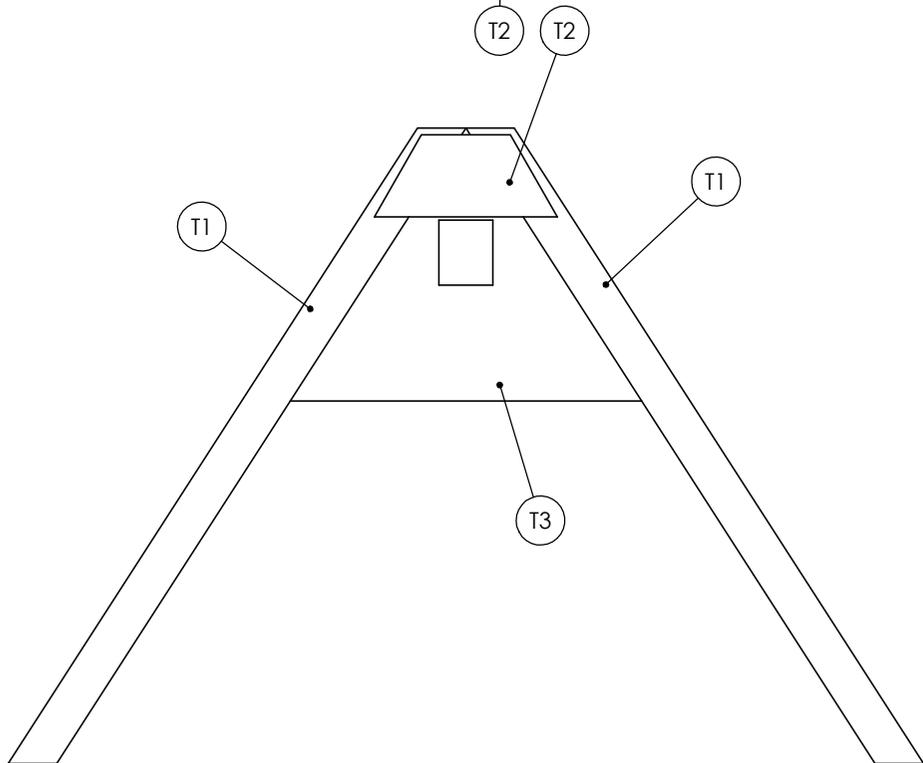
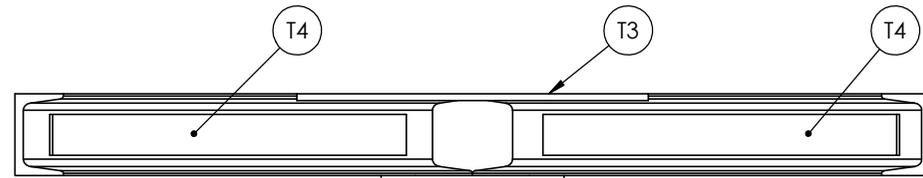
Date	2	Février 2019			 ÉCOLE PROFESSIONNELLE DE SAINT-HYACINTHE
Version		Québec 2	COMMISSION SCOLAIRE DE SAINT-HYACINTHE		
Outil	Cultibutte	Partie	Cultibutte porte outils	Qté	1

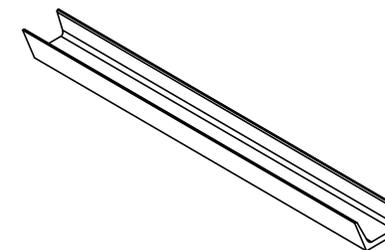
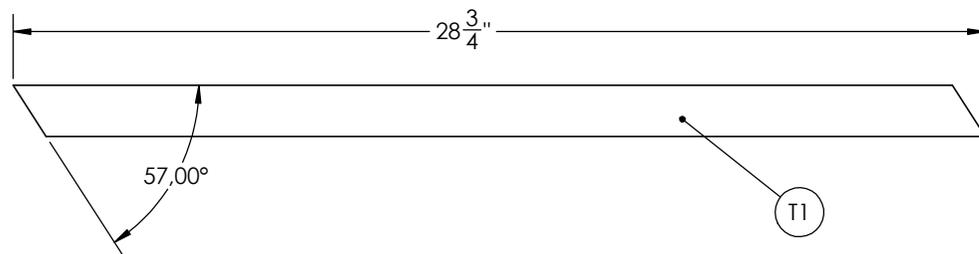


## Nomenclature des parties du cultibutte porte outils

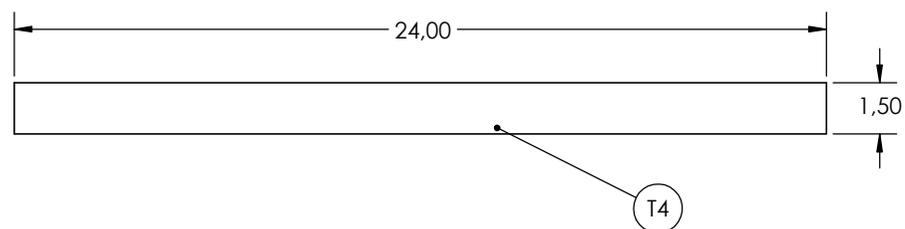


NUMERO DE PIECE	DESCRIPTION	QTE
T1	Profilé en C 3X5 X 28 3/4" <sup>3</sup>	2
T2	Fer plat 3" X 3/8" X 6 3/4"	1
T3	Fer plat 10" X 1/4"	1
T4	Plat 1 1/2" X 1/8" X 24"	2





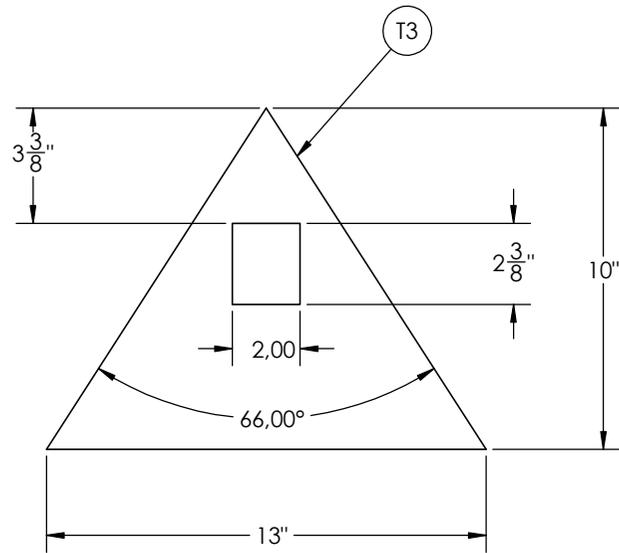
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T1	Profil en C 3X5 X 28 3/4"	2



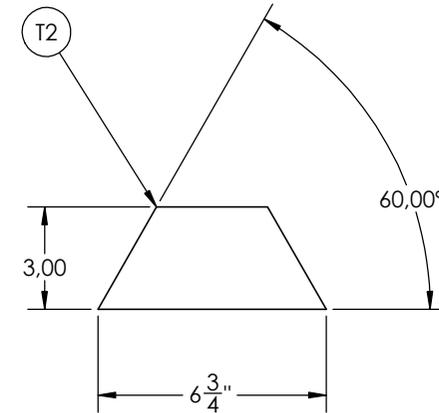
NUMERO DE PIECE	DESCRIPTION	QTE
T4	Plat 1 1/2" X 1/8" X 24"	2

Date	2016/01/05		
Version	5		
Outil			

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	T3	Fer plat 10" X 1/4"	1



NUMERO DE PIECE	DESCRIPTION	QTE
T2	Fer plat 3" X 3/8" X 6 3/4"	1



Outil

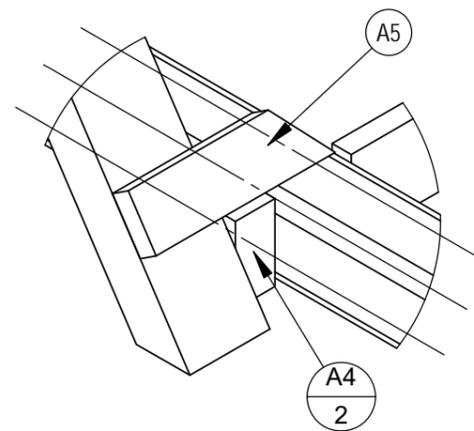
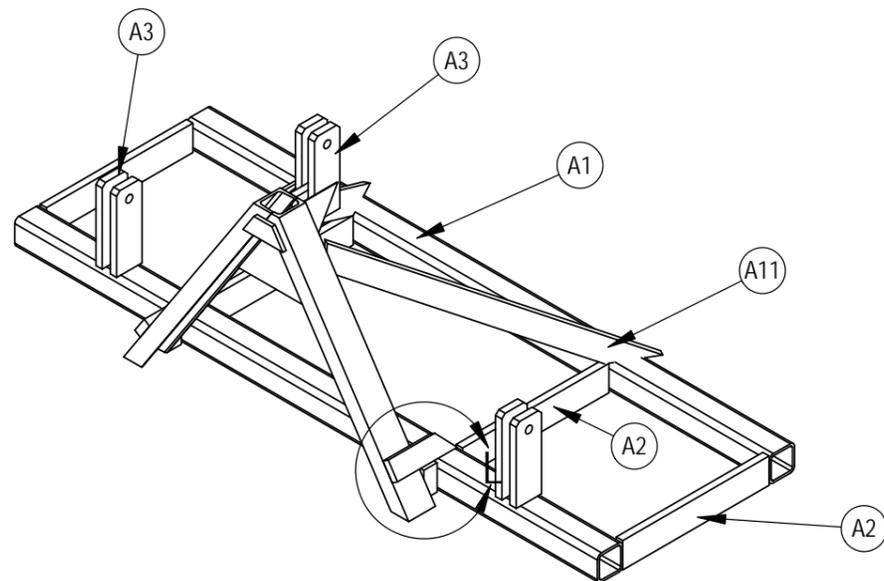
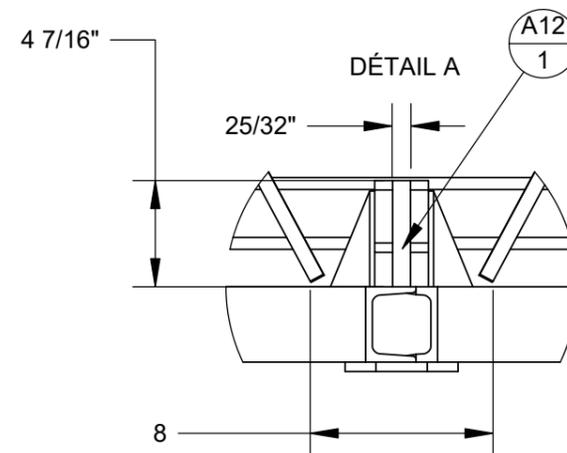
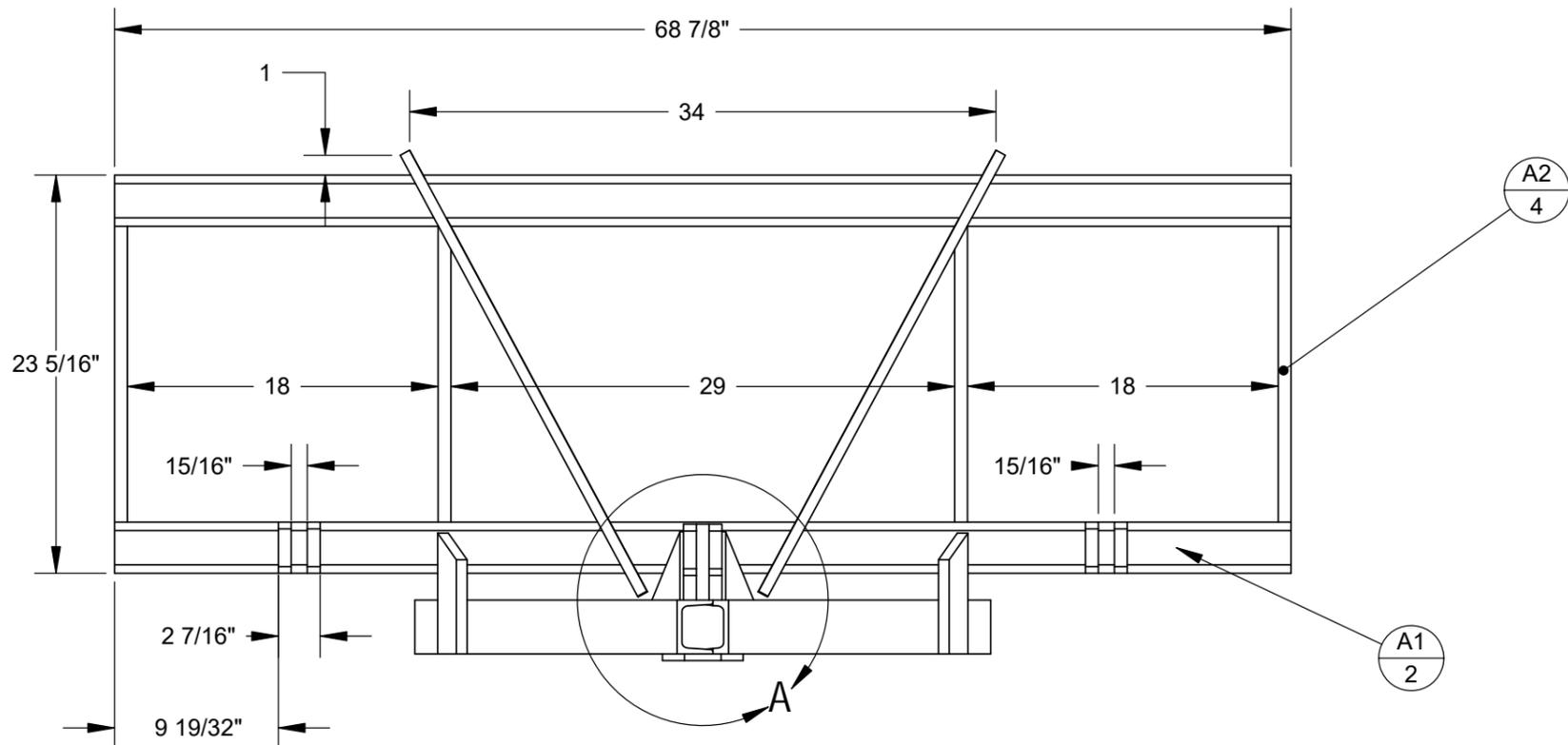
Cultibutte

Pièce

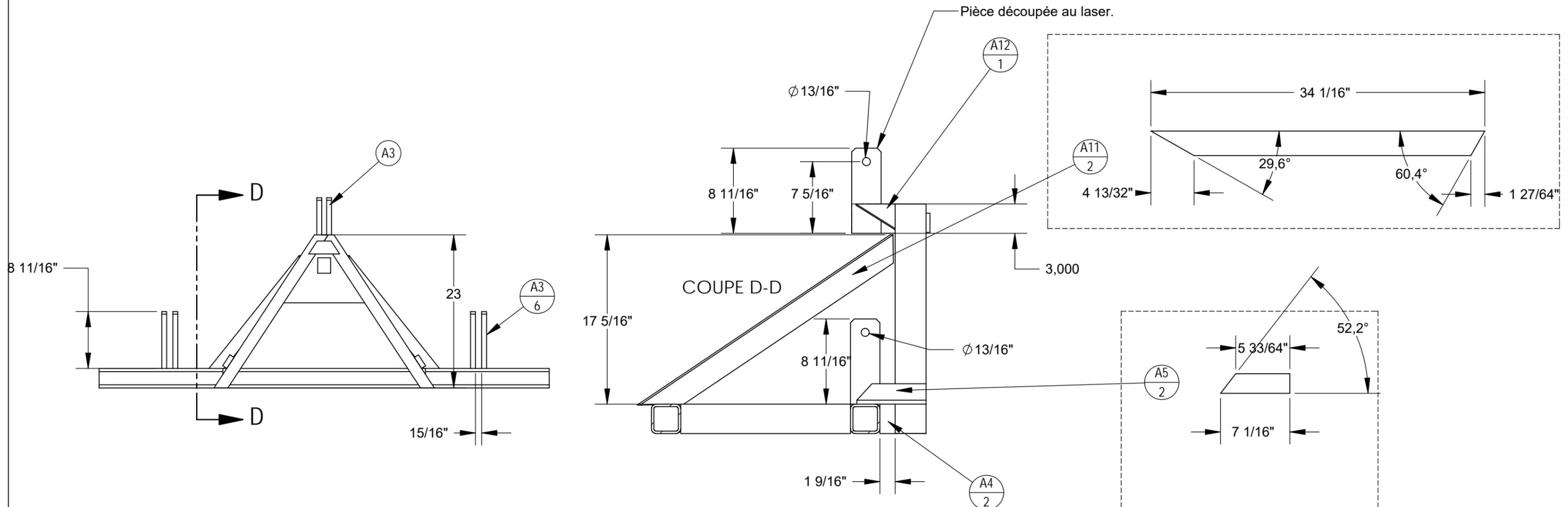
A - Bâti principal

Qté

1

DÉTAIL L  
ECHELLE 1 : 5

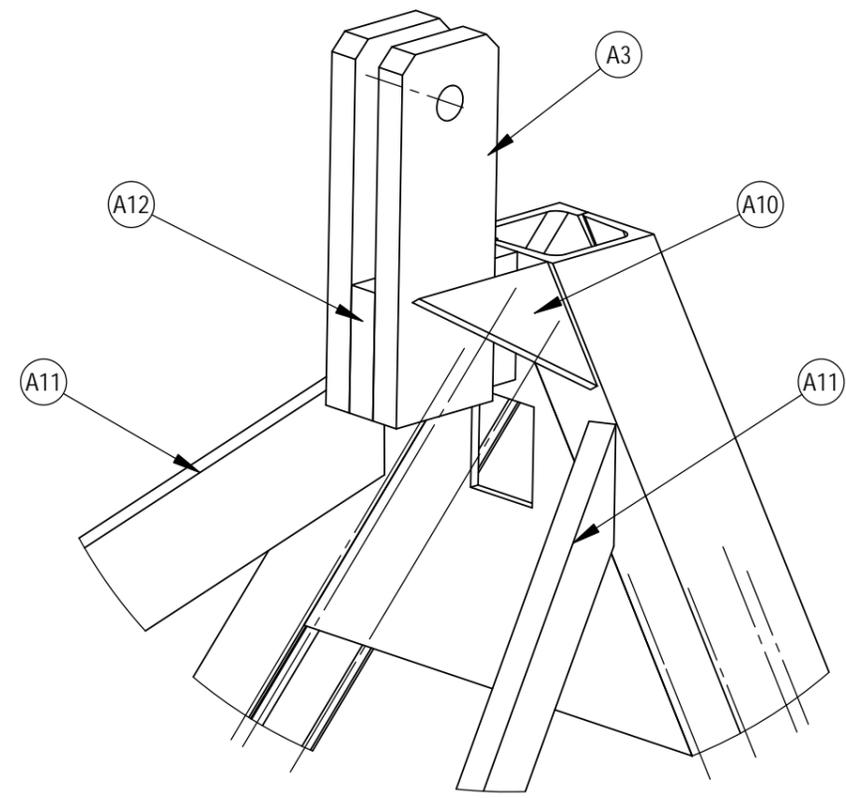
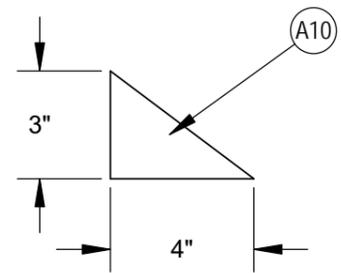
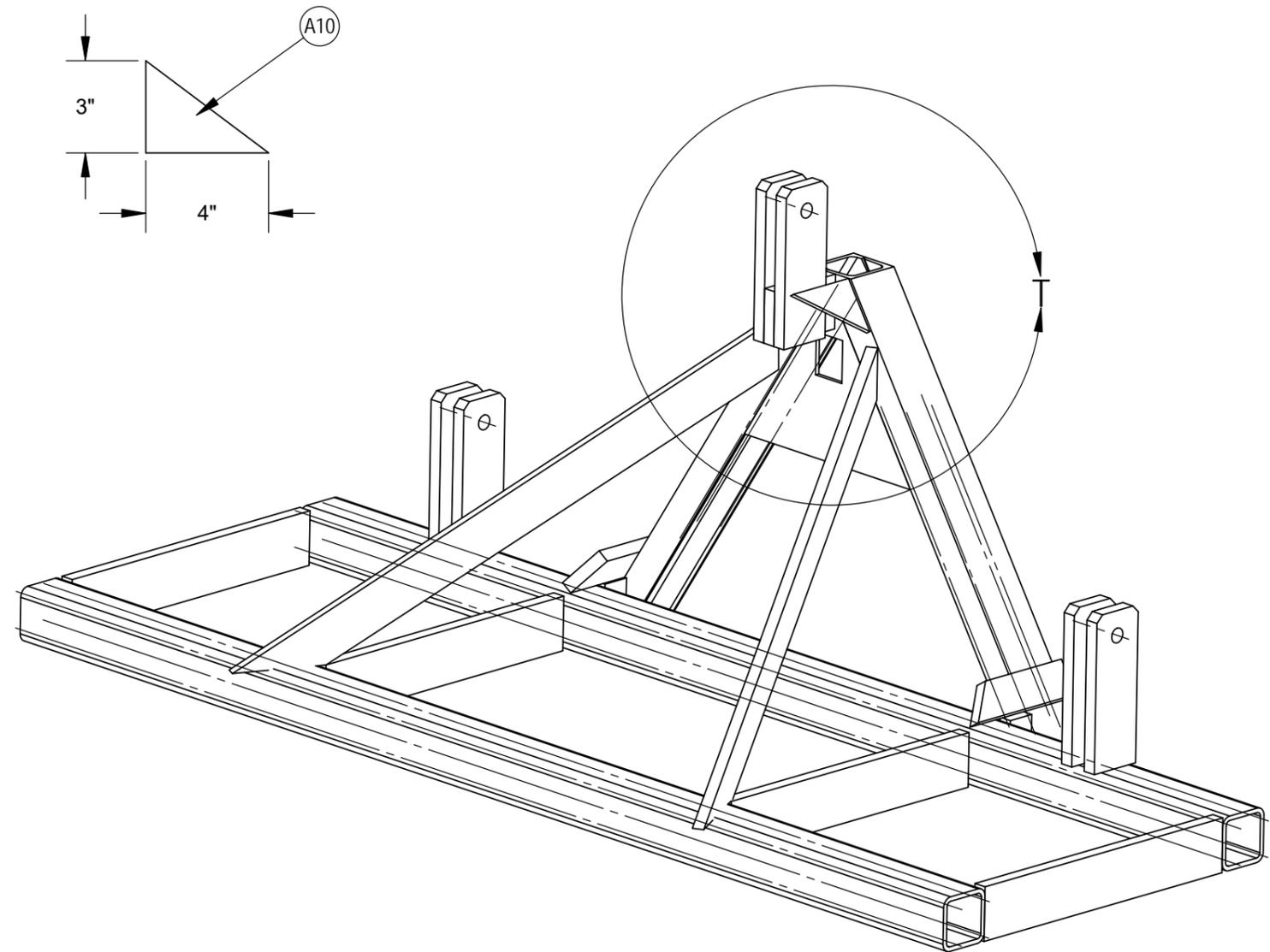
N°	Profil	Longueur	Qté
A1	tube carre 3,000 x 0,250	68.875	2
A2	plat 3,000 x 0,750	17.3125	4
A3	plat 3,000 x 0,750	8.6875	6
A4	plat 3,000 x 0,750	1.5625	2
A5	plat 2,000 x 0,750	7.0625	2
A11	plat 2,500 x 0,625	34.0625	2
A12	plat 3,000 x 0,750	4.4375	1
A10	plaque 1/4"	4	2



N°	Profil	Longueur	Qté
A1	tube carre 3,000 x 0,250	68.875	2
A2	plat 3,000 x 0,750	17.3125	4
A3	plat 3,000 x 0,750	8.6875	6
A4	plat 3,000 x 0,750	1.5625	2
A5	plat 2,000 x 0,750	7.0625	2
A11	plat 2,500 x 0,625	34.0625	2
A12	plat 3,000 x 0,750	4.4375	1
A10	plaque 1/4"	4	2

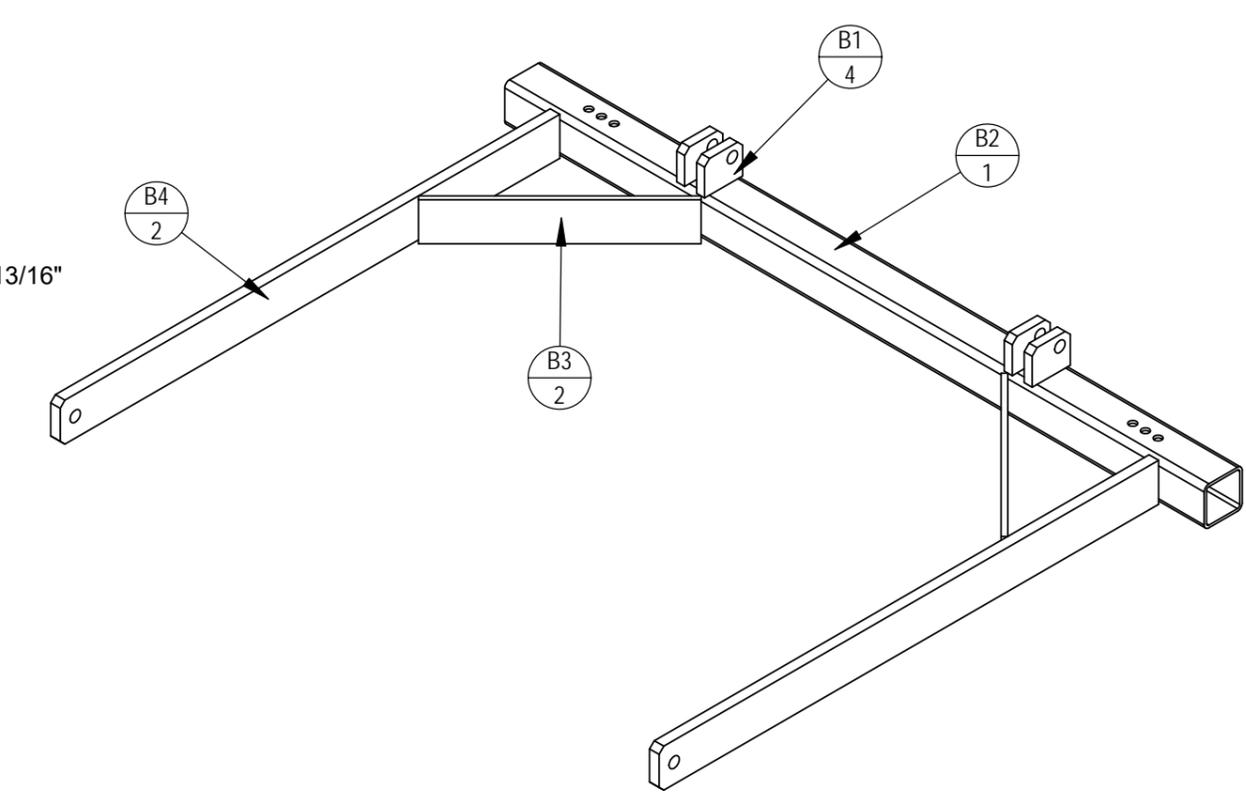
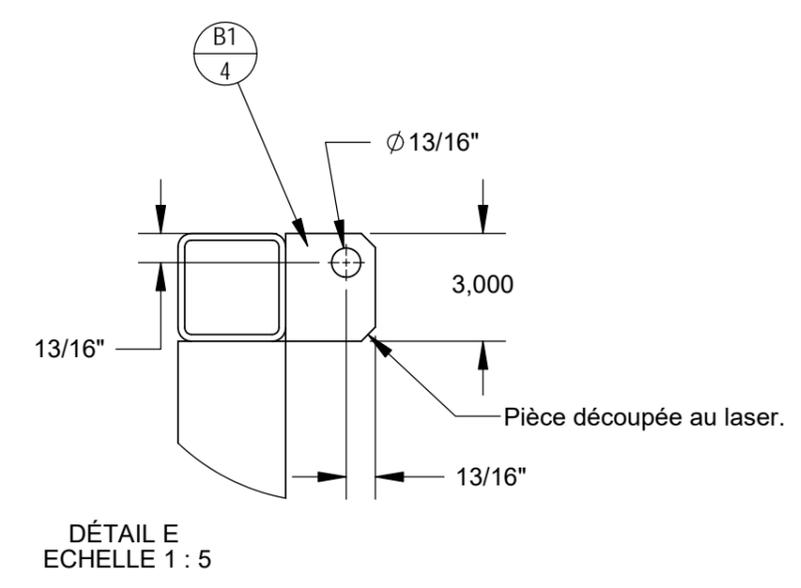
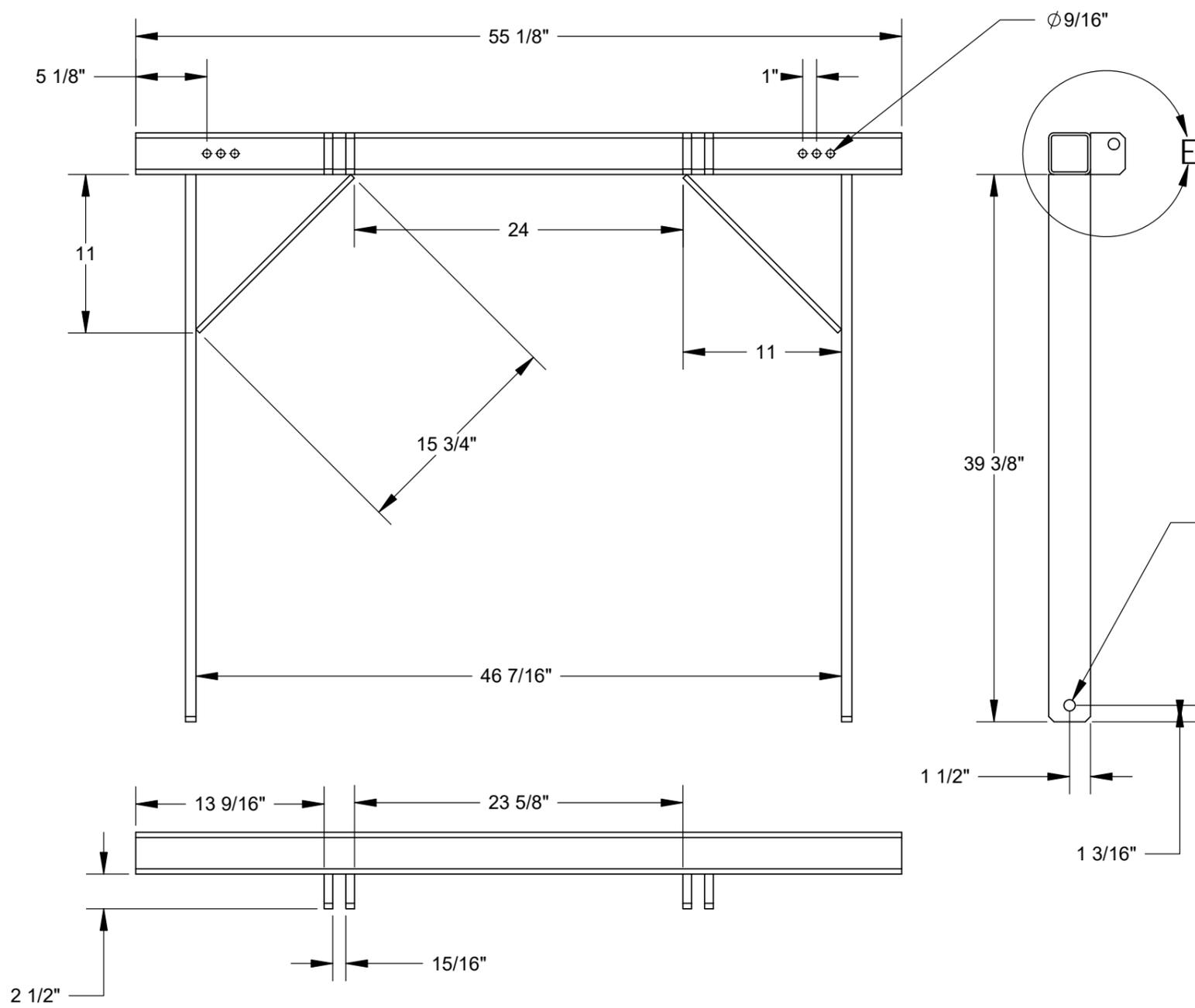
Date	8				
Version					
Outil	Cultibutte	Pièce	<b>A - Bâti principal</b>	Qté	1

### Position des pièces A3, A10 et A12.



DÉTAIL T  
ECHELLE 1 : 4

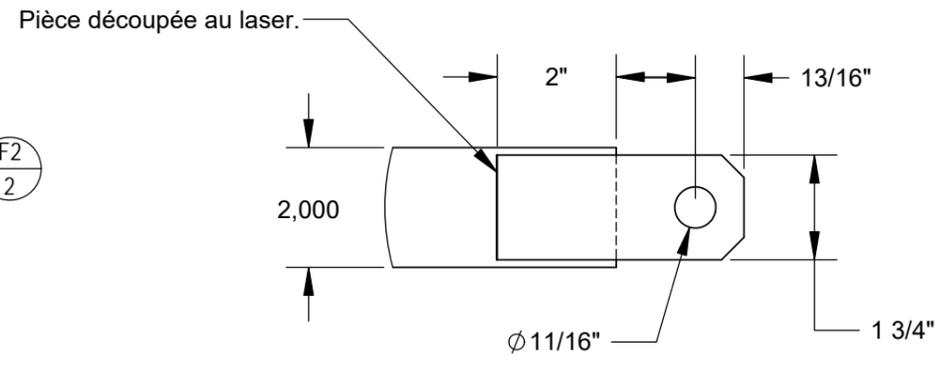
Date	9 janvier 2015	  	
Version	Québec 1	Pièce	<b>B - Bâti porte-disque</b>
Outil	Cultibutte	Qté	<b>1</b>



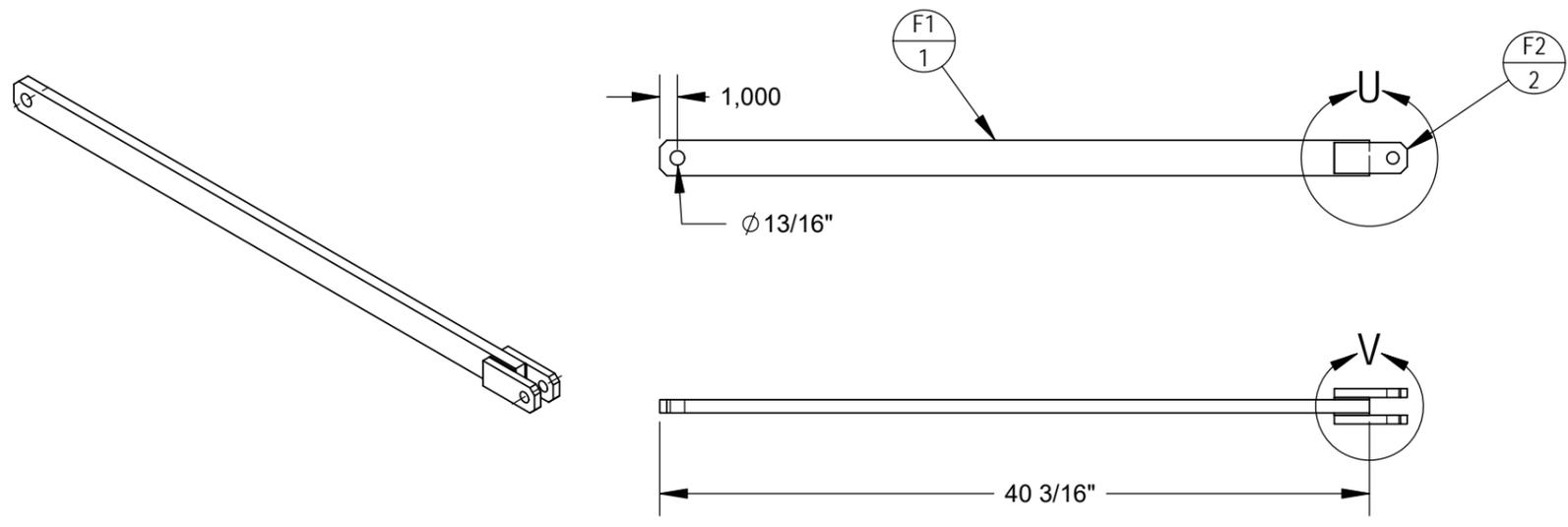
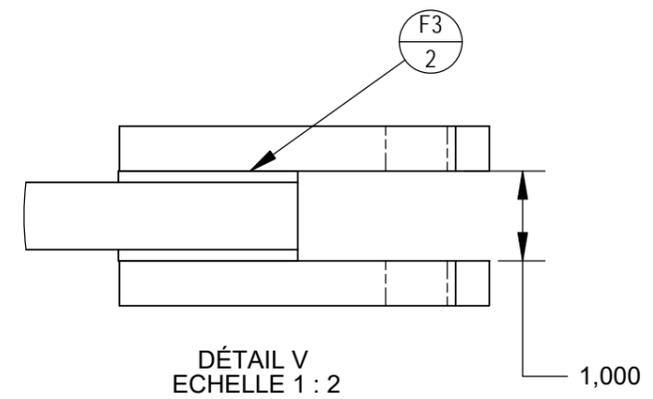
N°	Profil	Longueur	Qté
B1	plat 2,500 x 0,625	3	4
B2	tube carre 3,000 x 0,188	55.125	1
B3	plat 3,000 x 0,375	15.75	2
B4	plat 3,000 x 0,750	39.375	2

Outil	Cultibutte	Pièce	<b>F - Bras de liaison A - D</b>	Qté	1
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DÉTAIL U  
ECHELLE 1 : 3



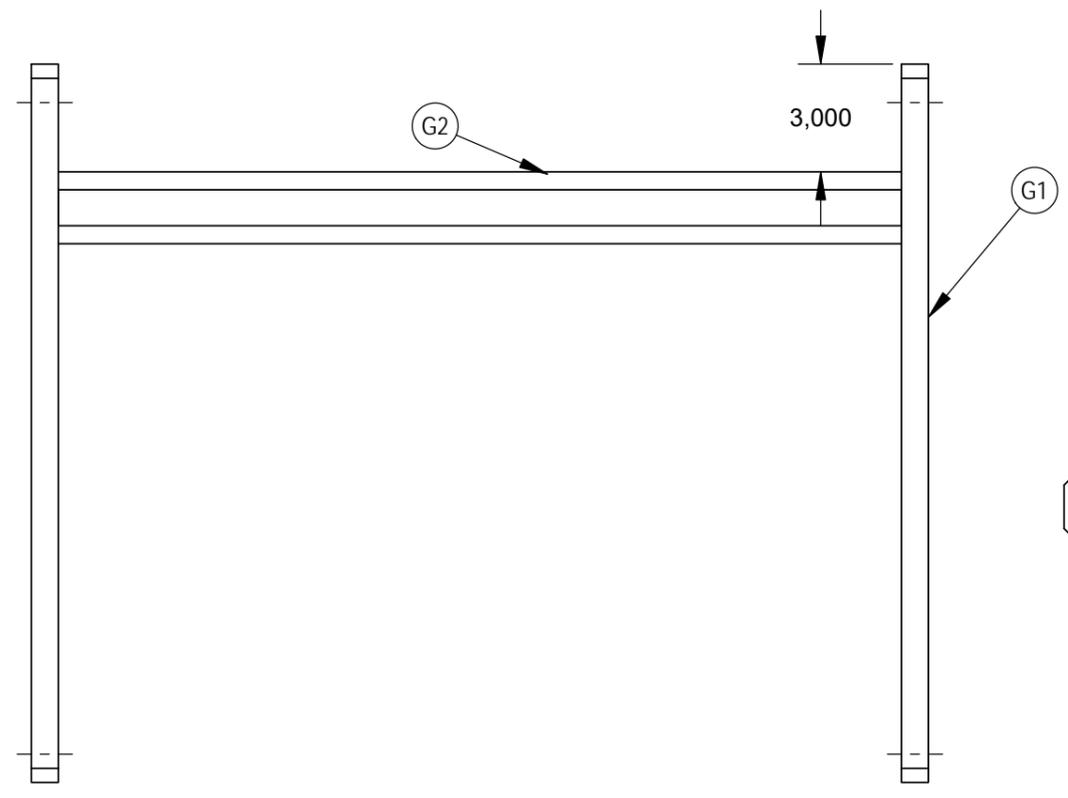
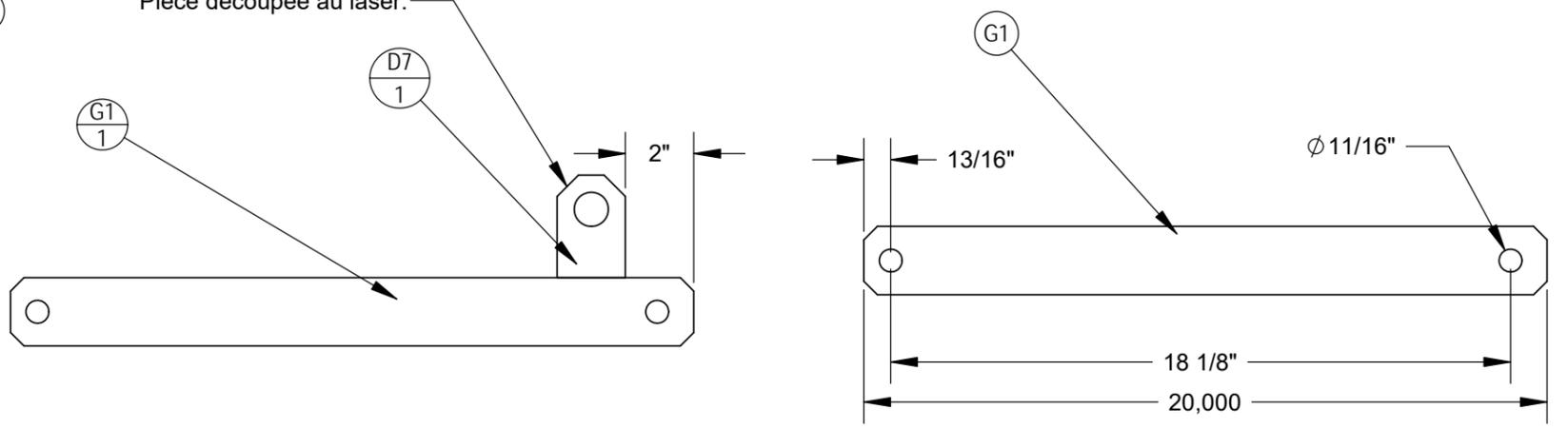
DÉTAIL V  
ECHELLE 1 : 2



N°	Profil	mm	Longueur	Qté
F1	plat 2,000 x 0,750	1020	40.1875	1
F3	plat 1,750 x 0,125	50	2	2
F2	plat 1,750 x 0,500	105	4.125	2

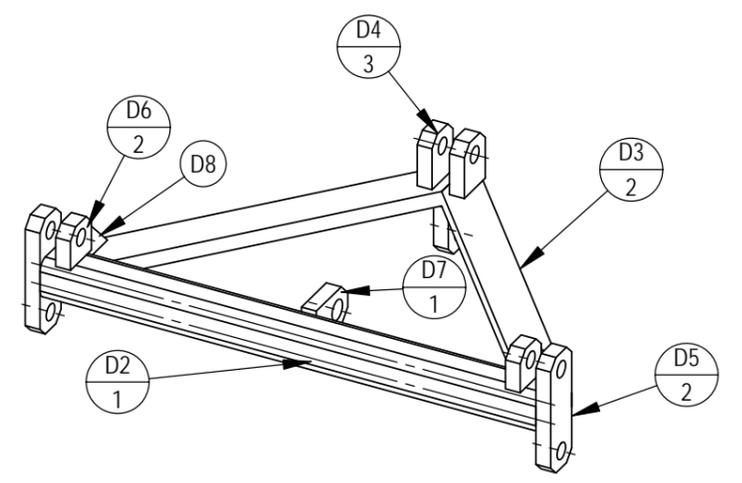
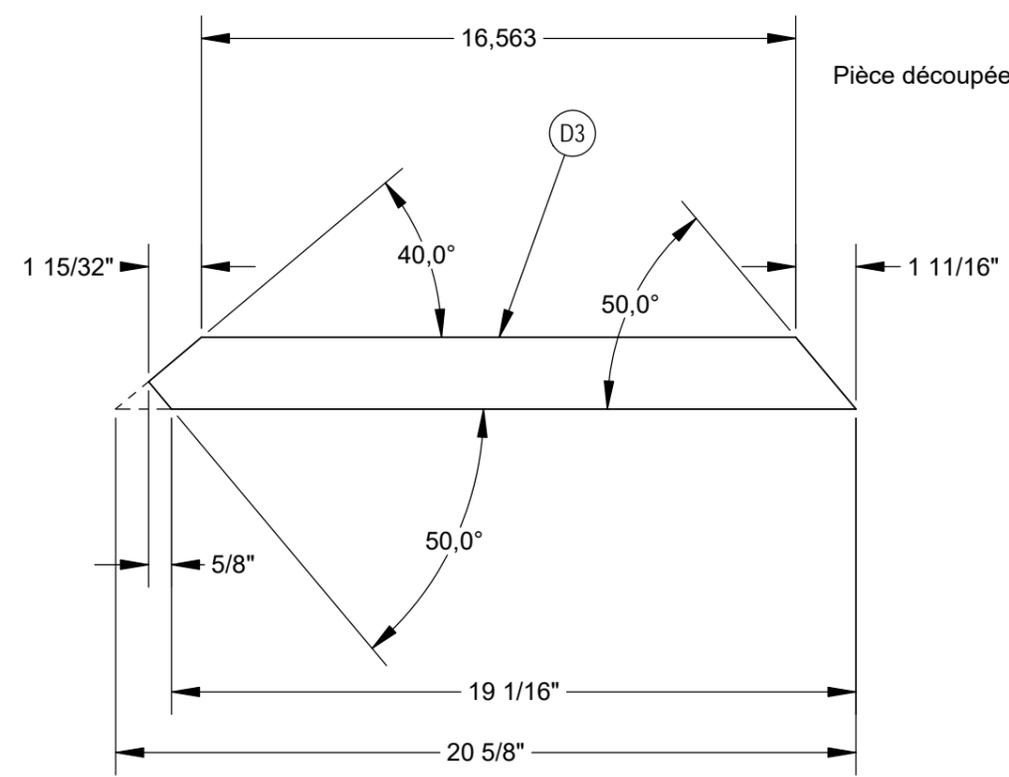
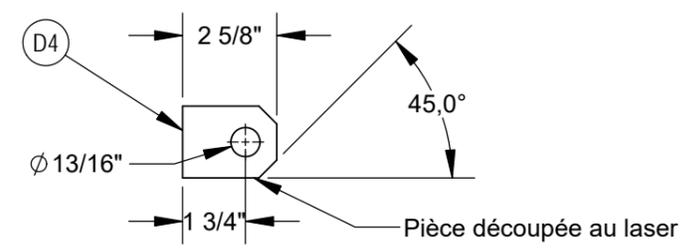
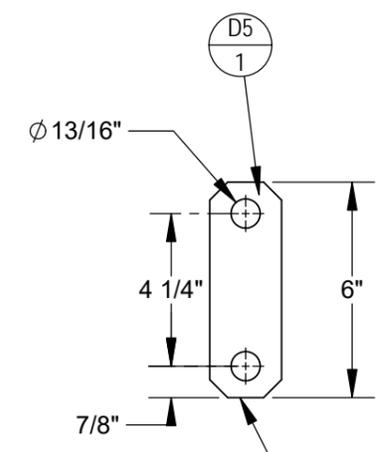
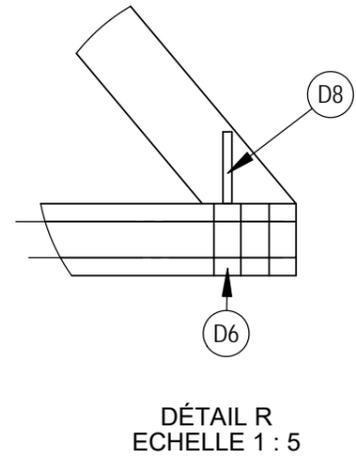
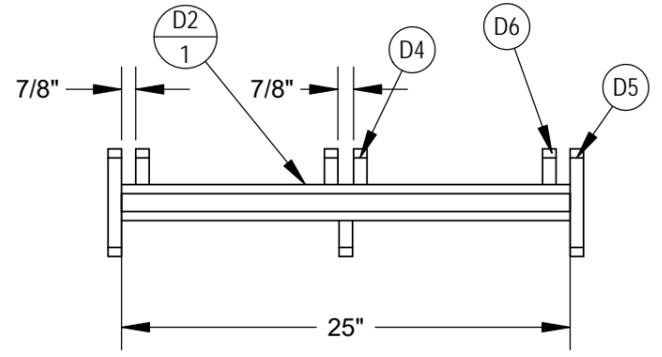
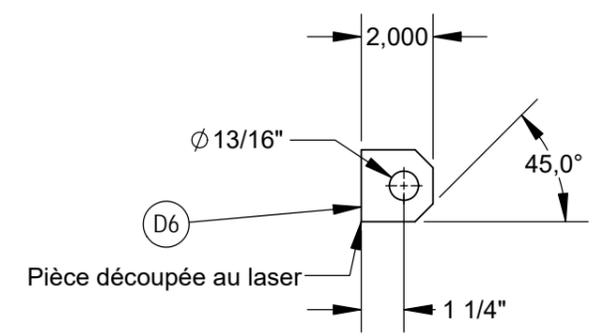
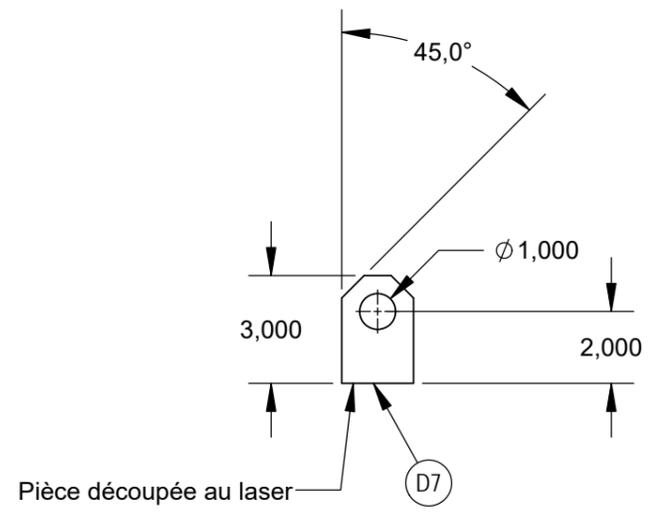
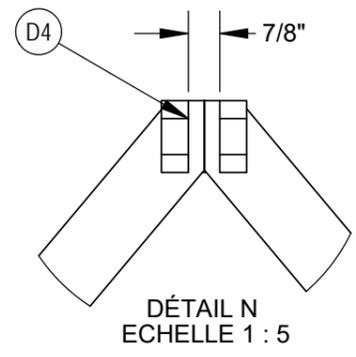
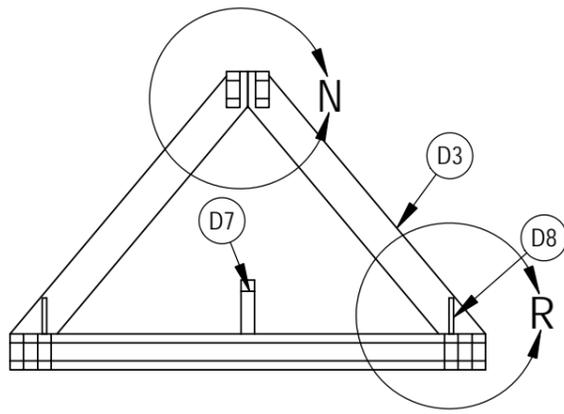
Outil	Cultibutte	Pièce	<b>G - Bras parallélogramme arrière</b>	Qté	3
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Pièce découpée au laser.



N°	Désignation	Longueur	Qté
G1	Fer plat 2 x 0,75	20	3
D7	Fer plat 2 X 0,75	3	1
G2	Tube carré 2 X 1/8"	23 1/2	2

Outil	Cultibutte	Pièce	<b>D - triangle arrière</b>	Qté	1
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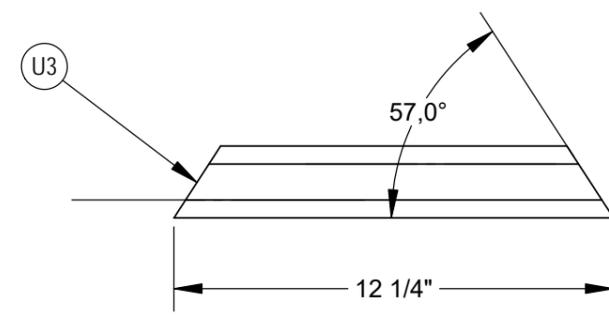
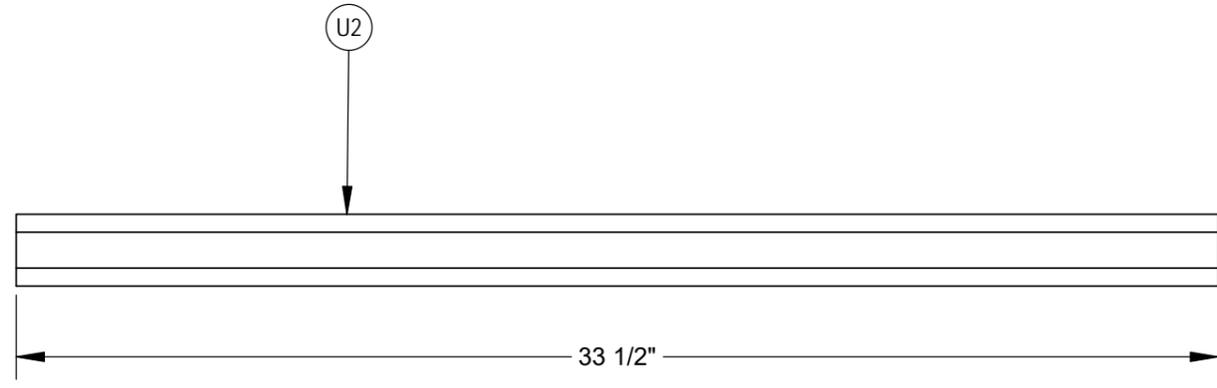
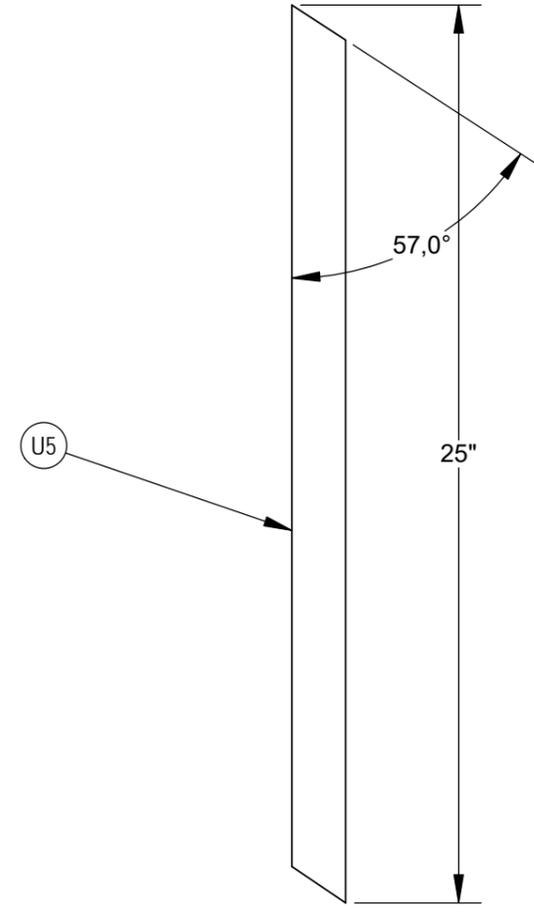
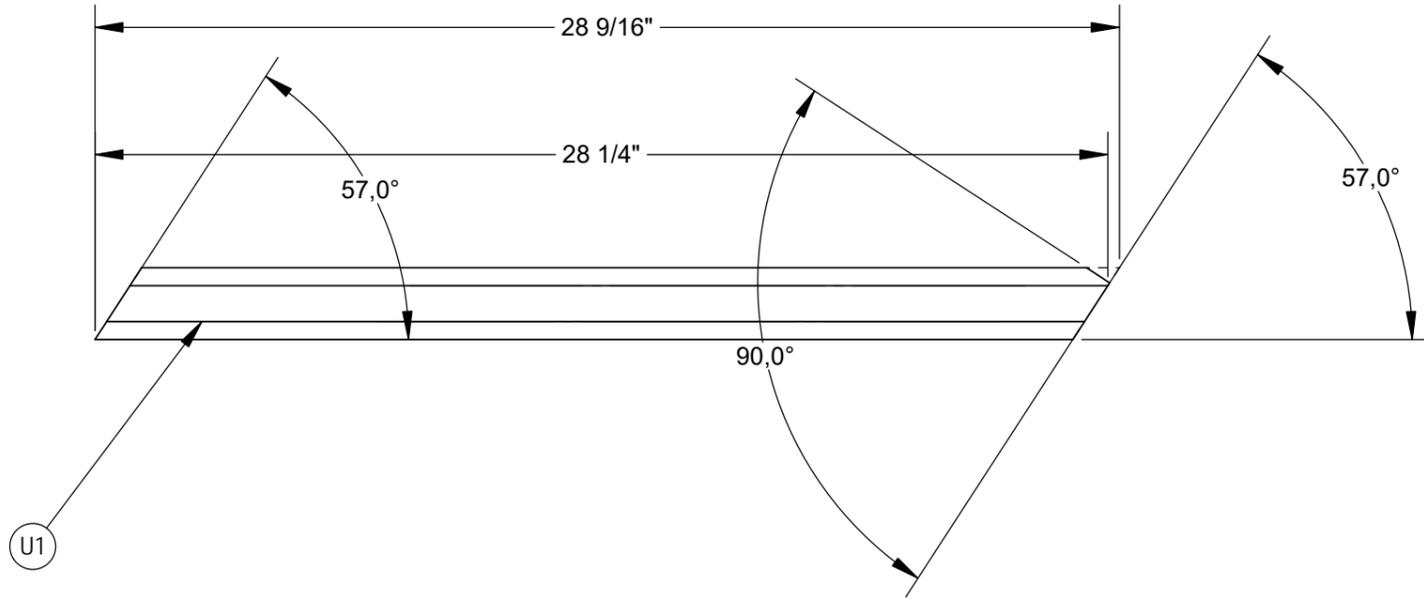


N°	Profil	Longueur	Qté
D2	Tube carré 2 X 1/4	25	1
D3	plat 2,000 x 0,750	20.5/8	2
D4	plat 2,000 x 0,750	2.5/8	3
D5	plat 2,000 X 0,750	6	2
D6	plat 2,500 x 0,750	2	2
D7	plat 2,000 X 0,750	3	1
D8	Fer plat 1/4"	2"	2

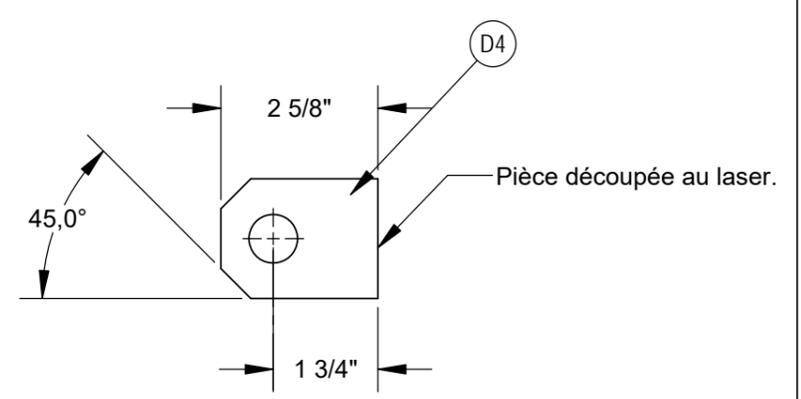
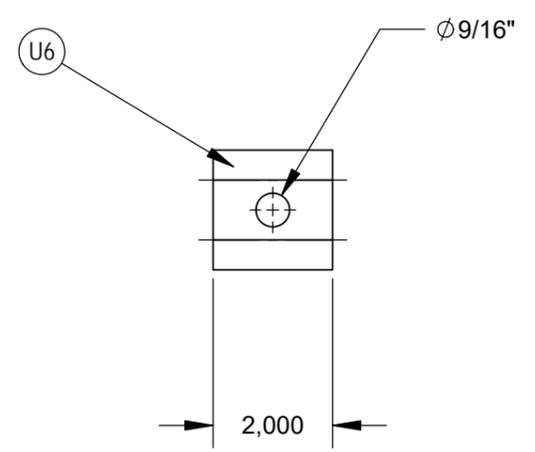
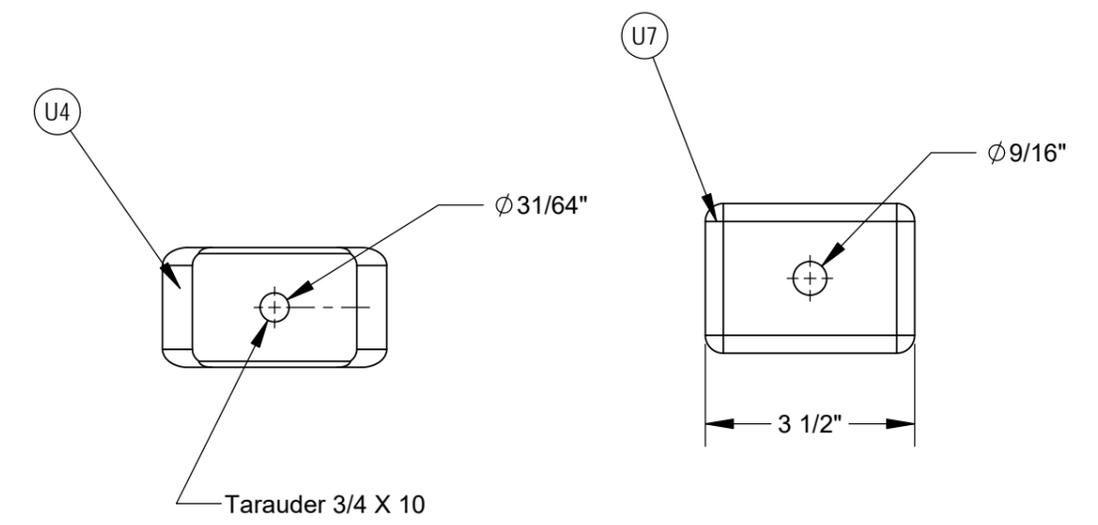
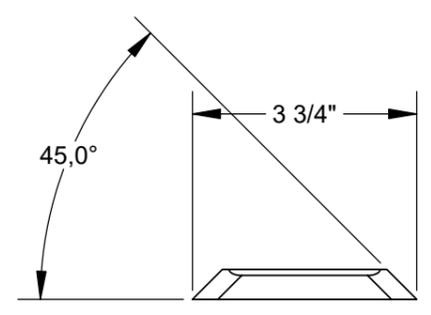
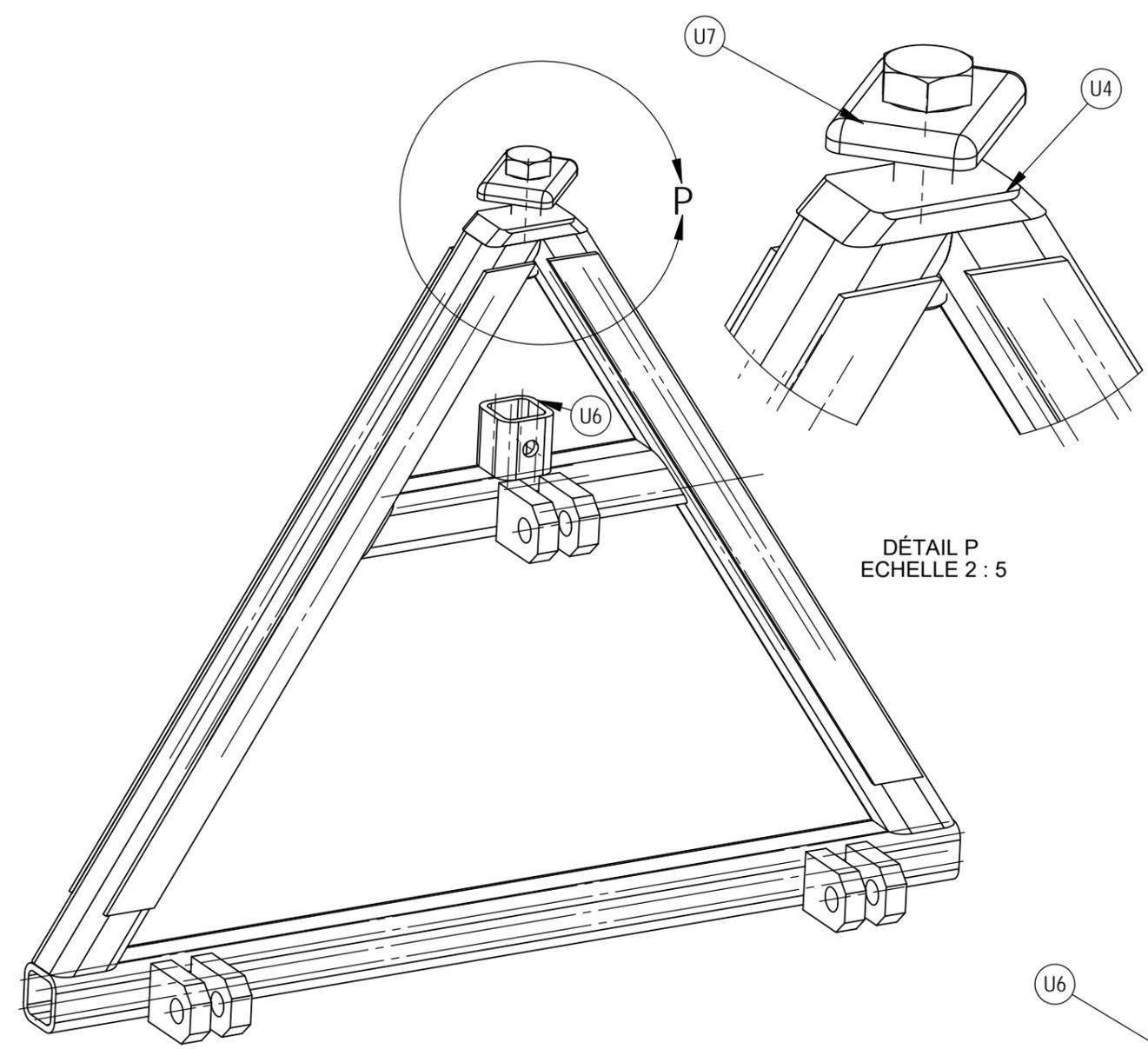


# Pièce U1, U2, U3, U5.

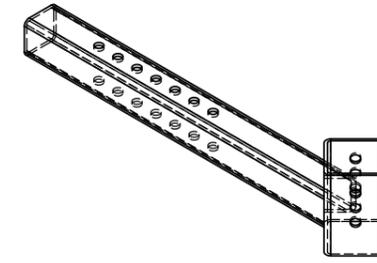
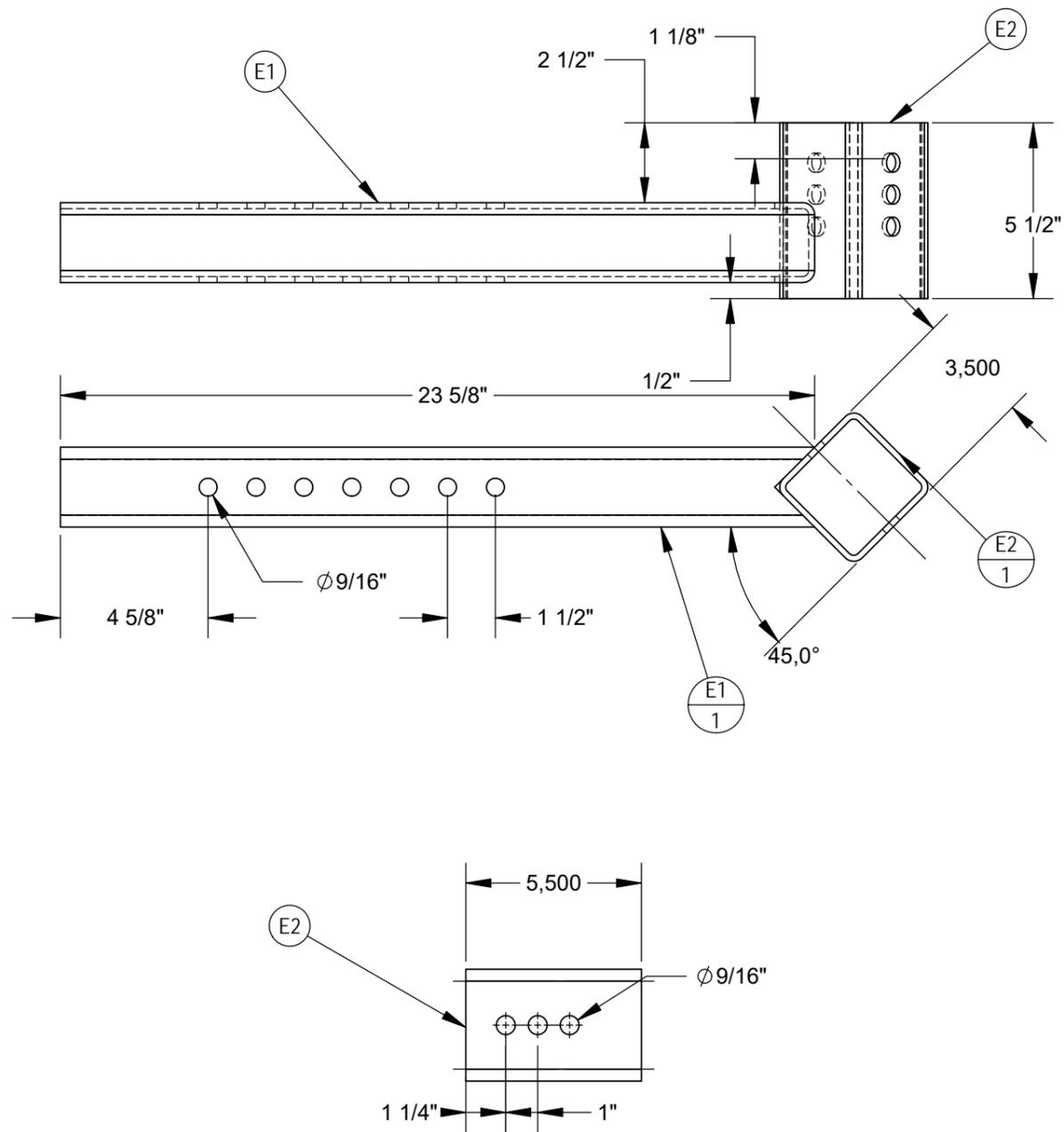
Outil	Cultibutte	Pièce	U Triangle Mâle	Qté	1
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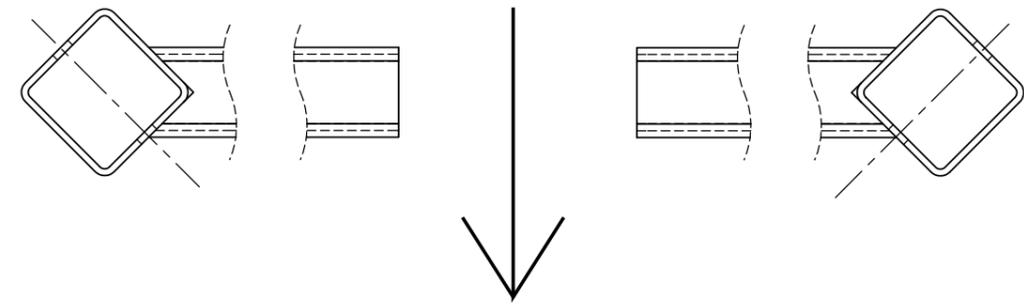
Outil	Cultibutte	Pièce	U Triangle Mâle	Qté	1
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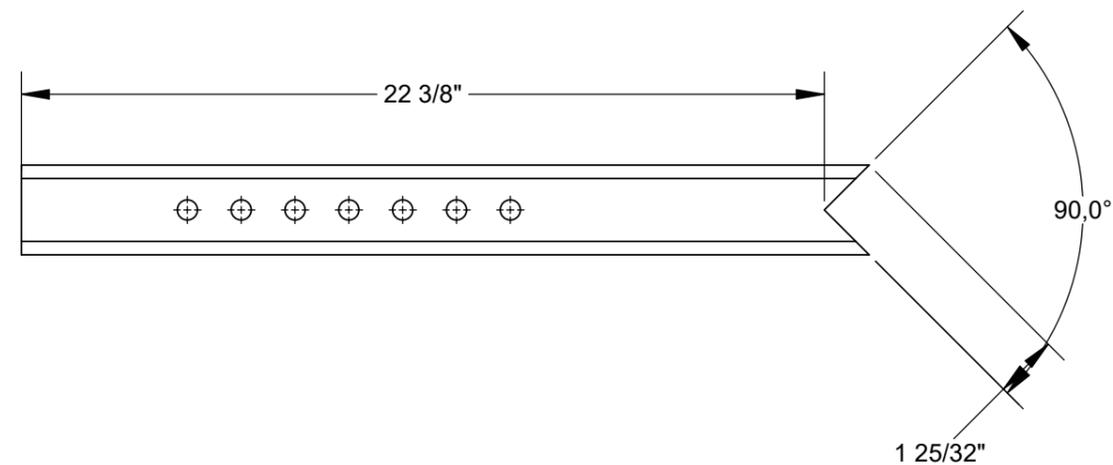
Outil	Cultibutte	Pièce	E - Bras horizontal porte-disque	Qté	2
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Attention : prendre en compte la symétrie des bras de disque gauche et droit pour réaliser l'assemblage de E1 et E2



sens d'avancement de l'outil

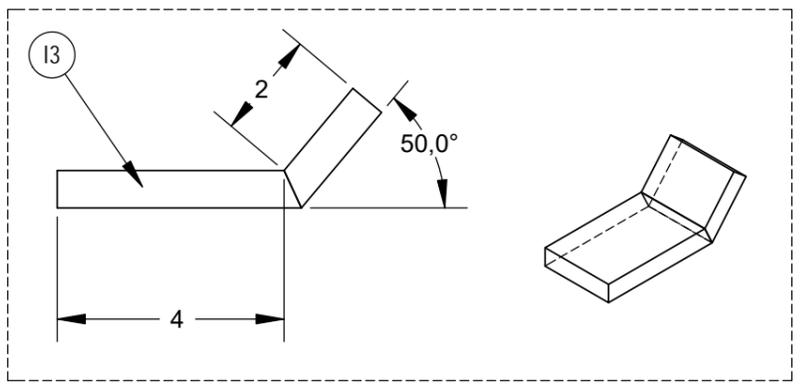
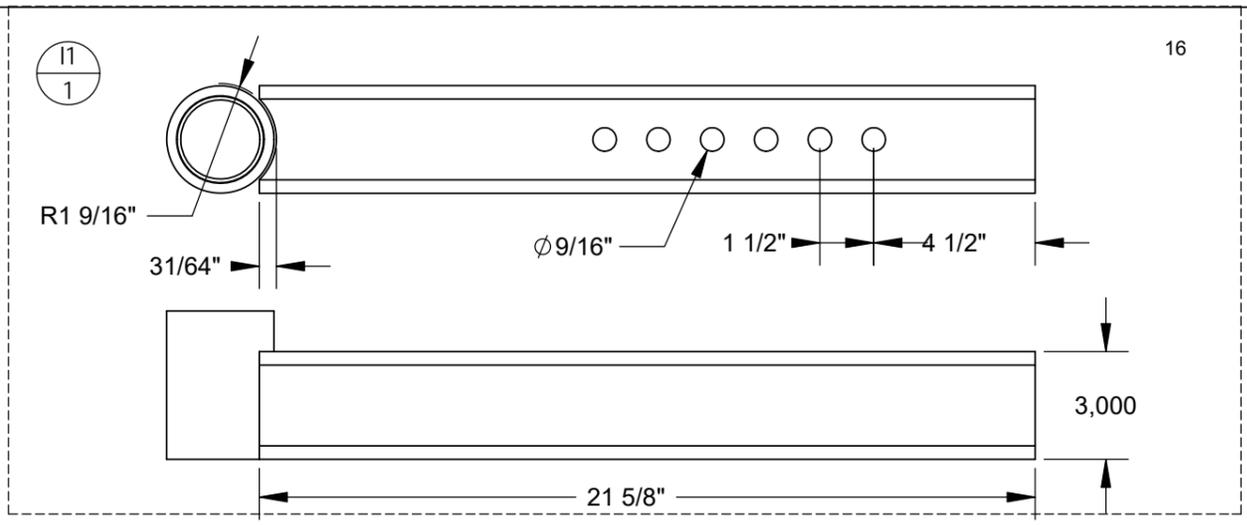
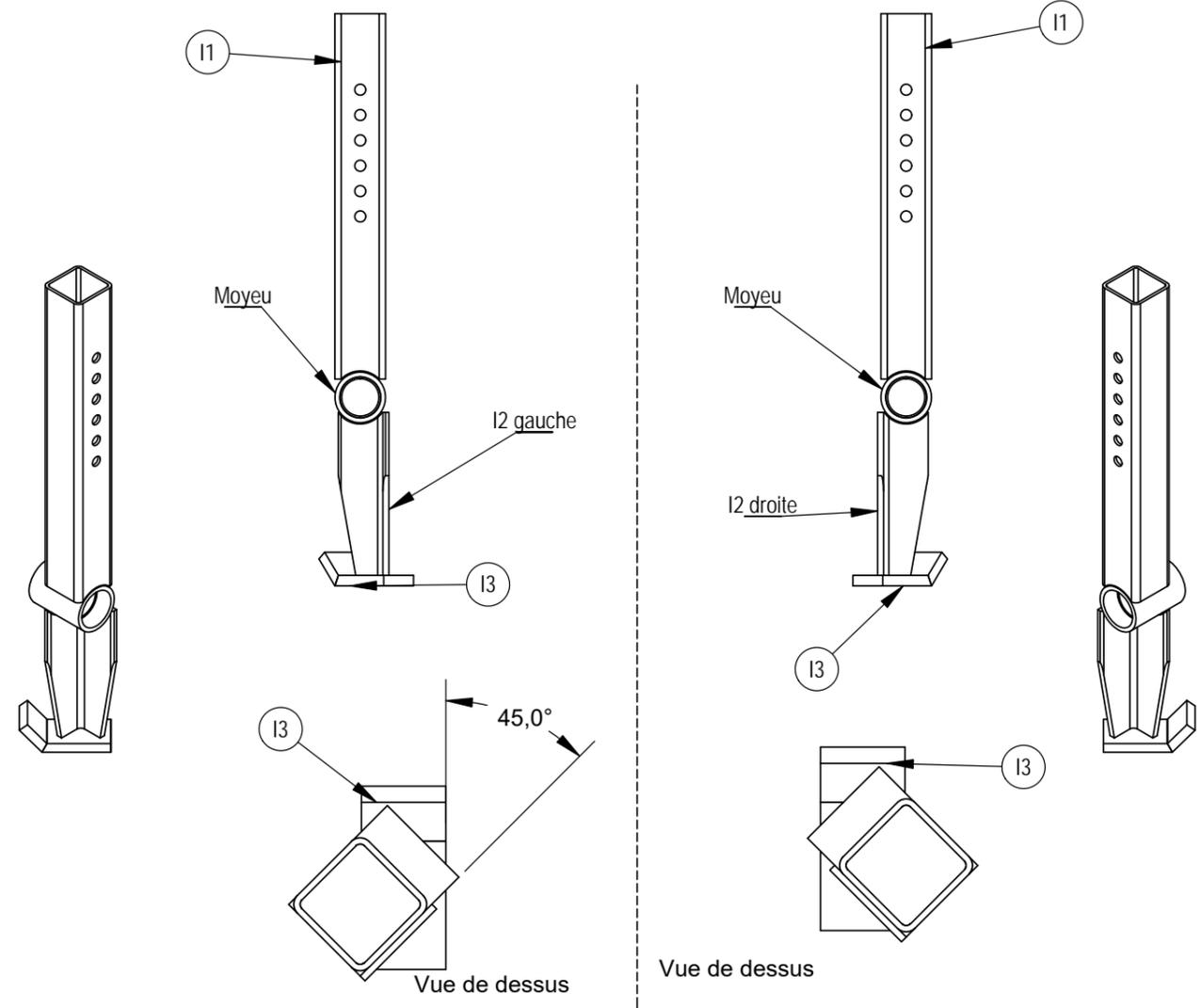


N°	Profil	Longueur	Qté
E1	tube carre 2,500 x 0,188	23.625	2
E2	tube carre 3,500 x 0,188	5.5	2

Date	16	  	
Version			
Outil	Cultibutte	Pièce	I - Bras verticaux porte-disques
		Qté	2

Bras gauche

Bras droit



**ATTENTION !**  
La découpe des cornières I2 et le positionnement des sabots I3 sont différents pour les versions gauche et droite

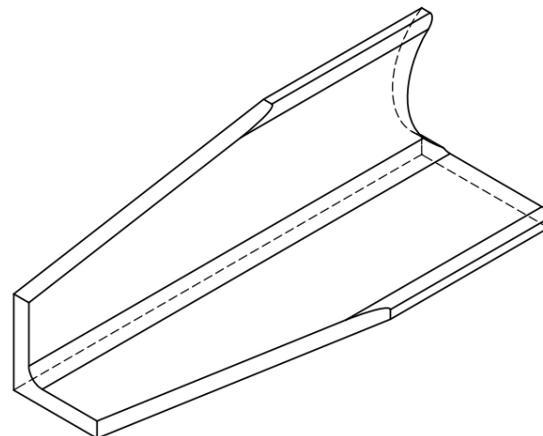
N°	Profil	Longueur	Qté
I1	tube carre 3,000 x 0,188	21.625	2
Moyeu			2
I2	Cornière 3 X 3	9 5/8	2
I3	plat 2,500 x 0,625	6	2



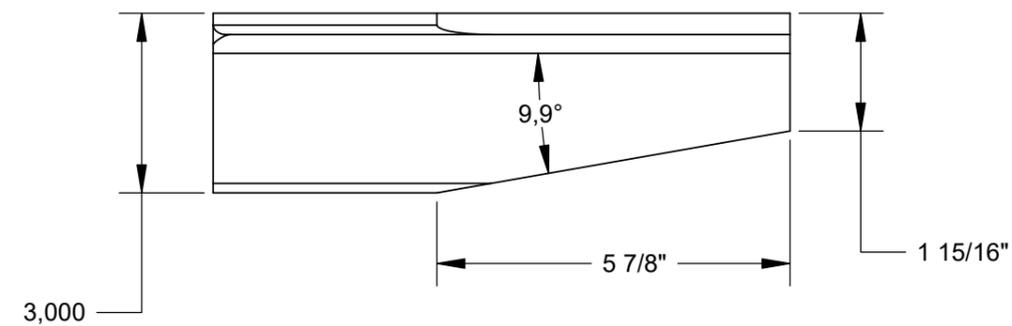
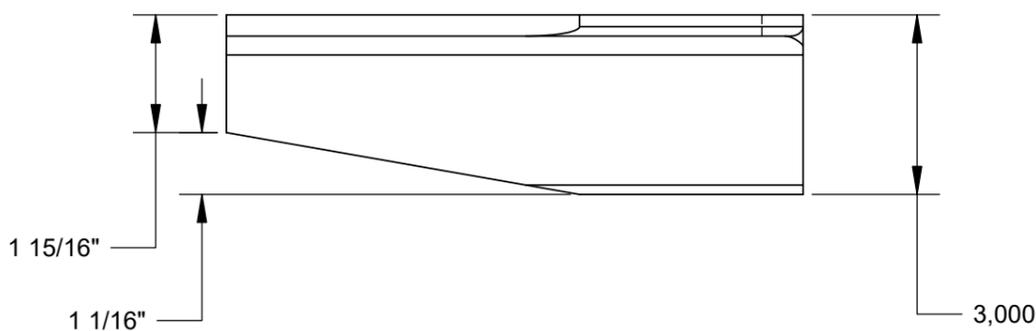
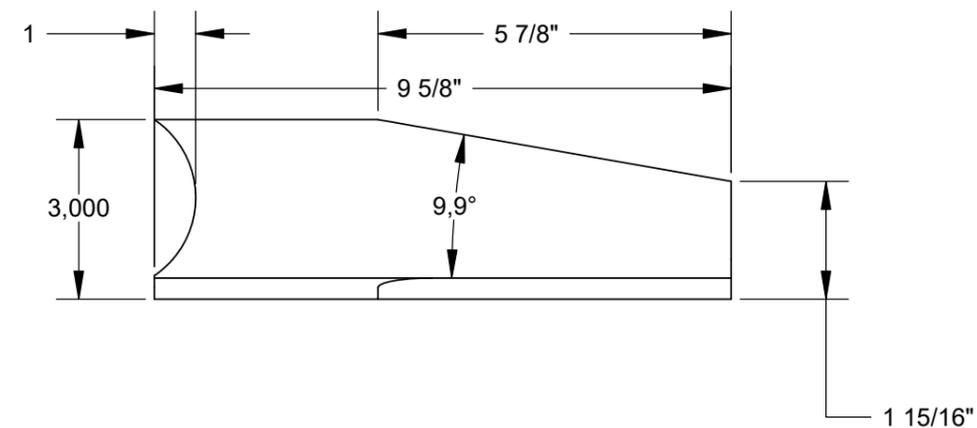
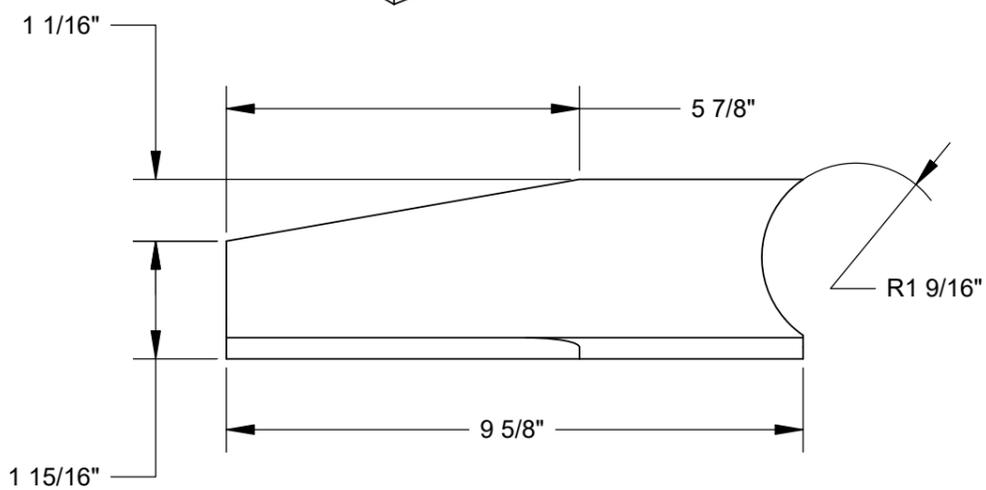
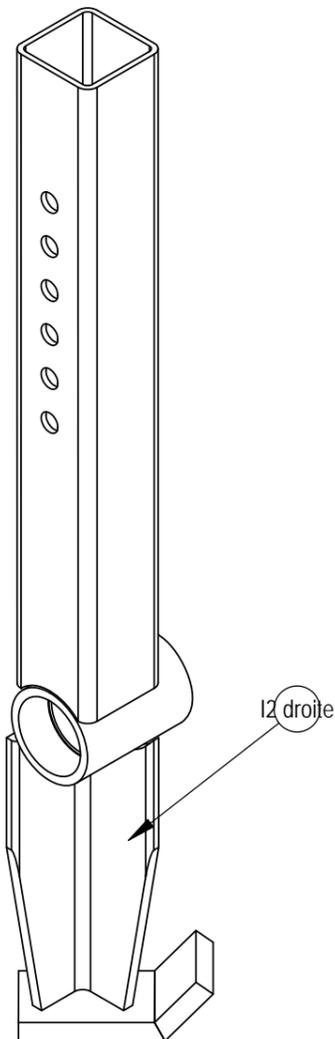
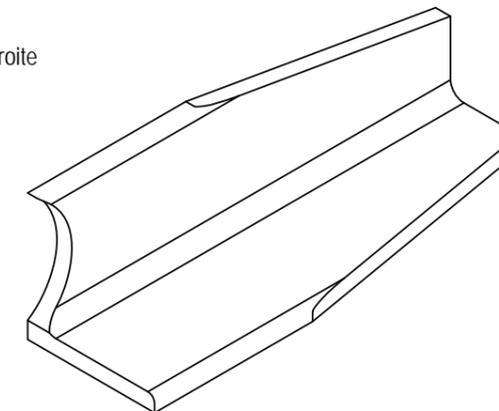
Outil	Cultibutte	Pièce	I - Bras verticaux porte-disques	Qté	2
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**ATTENTION !**  
La découpe des cornières I2 et le positionnement des sabots I3 sont différents pour les versions gauche et droite

I2 gauche



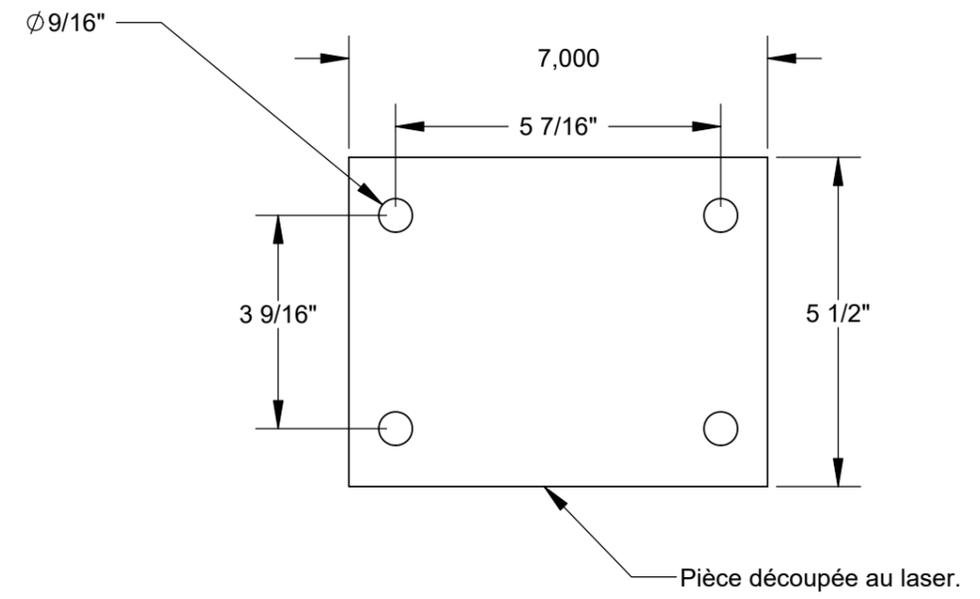
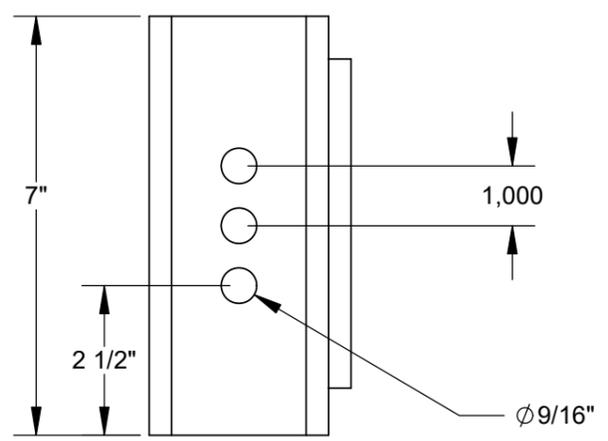
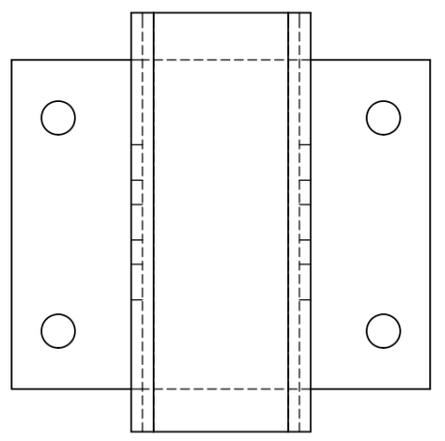
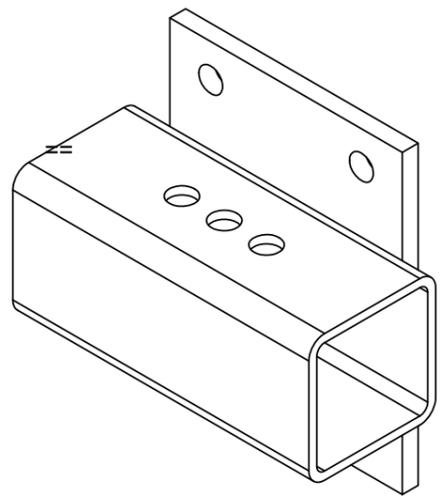
I2 droite



N°	Profil	Longueur	Qté
I2 droite	Cornière 3 X 3	9 5/8	1
I2 gauche	Cornière 3 X 3	9 5/8	1



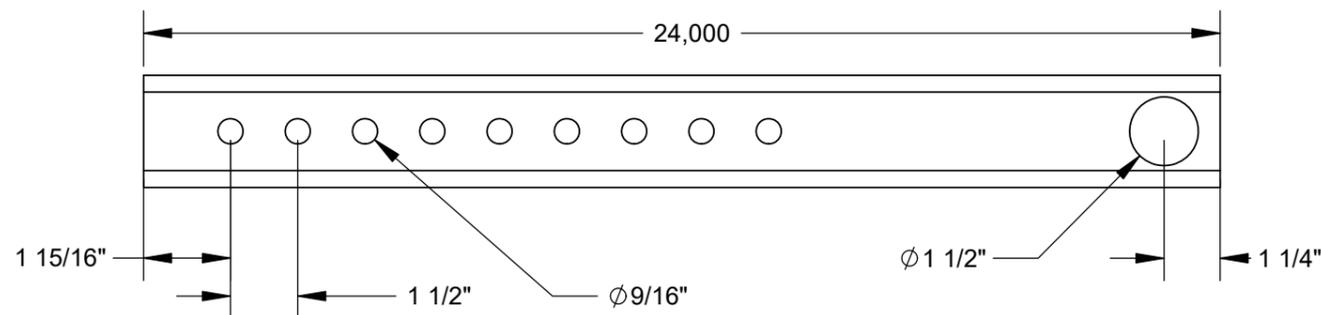
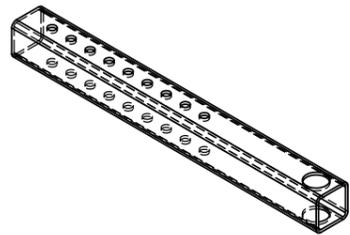
Outil	Cultibutte	Pièce	L - Châpe de roue de jauge	Qté	2
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N°	Profil	Longueur	Qté
L1	tube carre 3,000 x 0,188	7	2
L2	plat 7,000 x 0,375	5.5	2

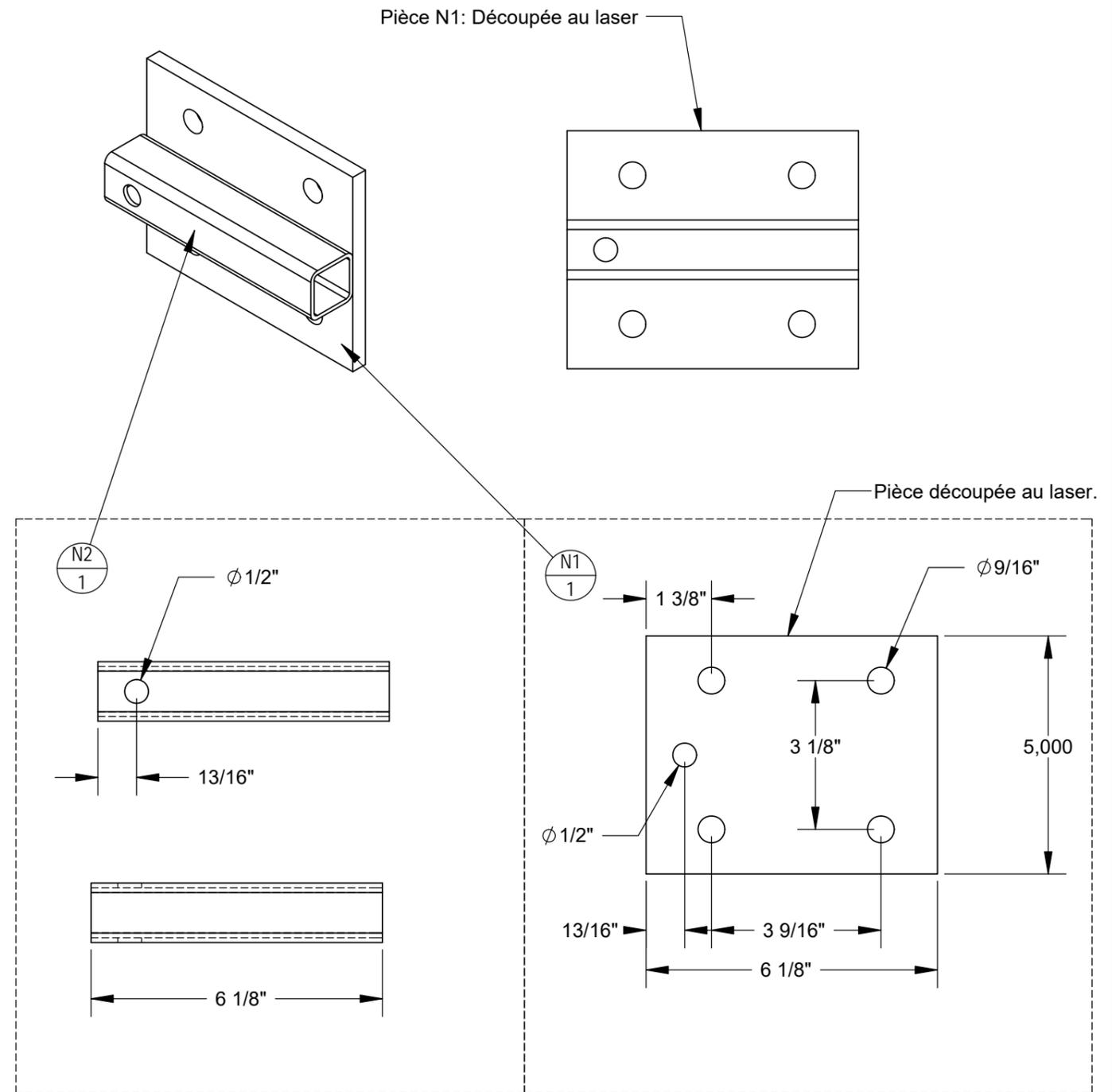


Date	19	  			
Version					
Outil	Cultibutte	Pièce	H - Bras de jauge	Qté	2



N°	Profil	mm	Longueur	Qté
H1	tube carre 2,500 x 0,188	600	24	2

Outil	Cultibutte	Pièce	N - Châpes de dent	Qté	19	5
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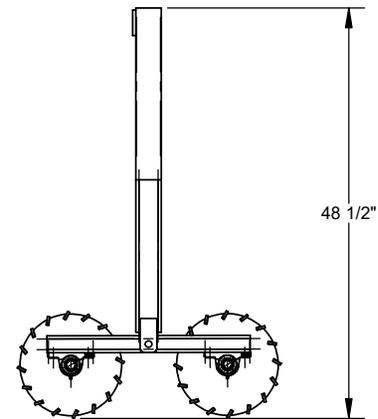
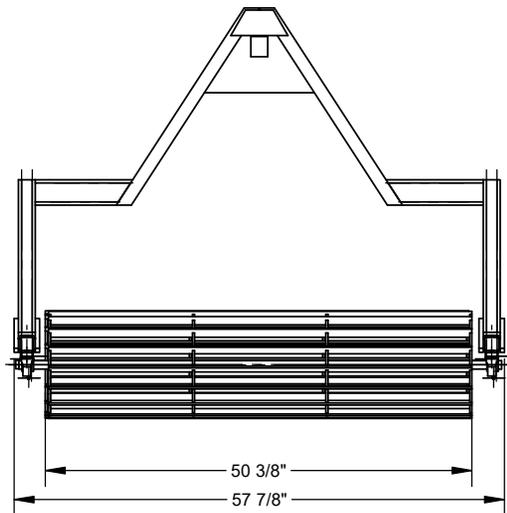
N°	Profil	Longueur	Qté
N1	plat 5,000 x 3/8	6.125	5
N2	tube carre 1,1/4 x 1/8	6.125	5



Date	2017/10/31		
Version	1		
Outil	Accessoire de cultibutte - rouleaux de finition		

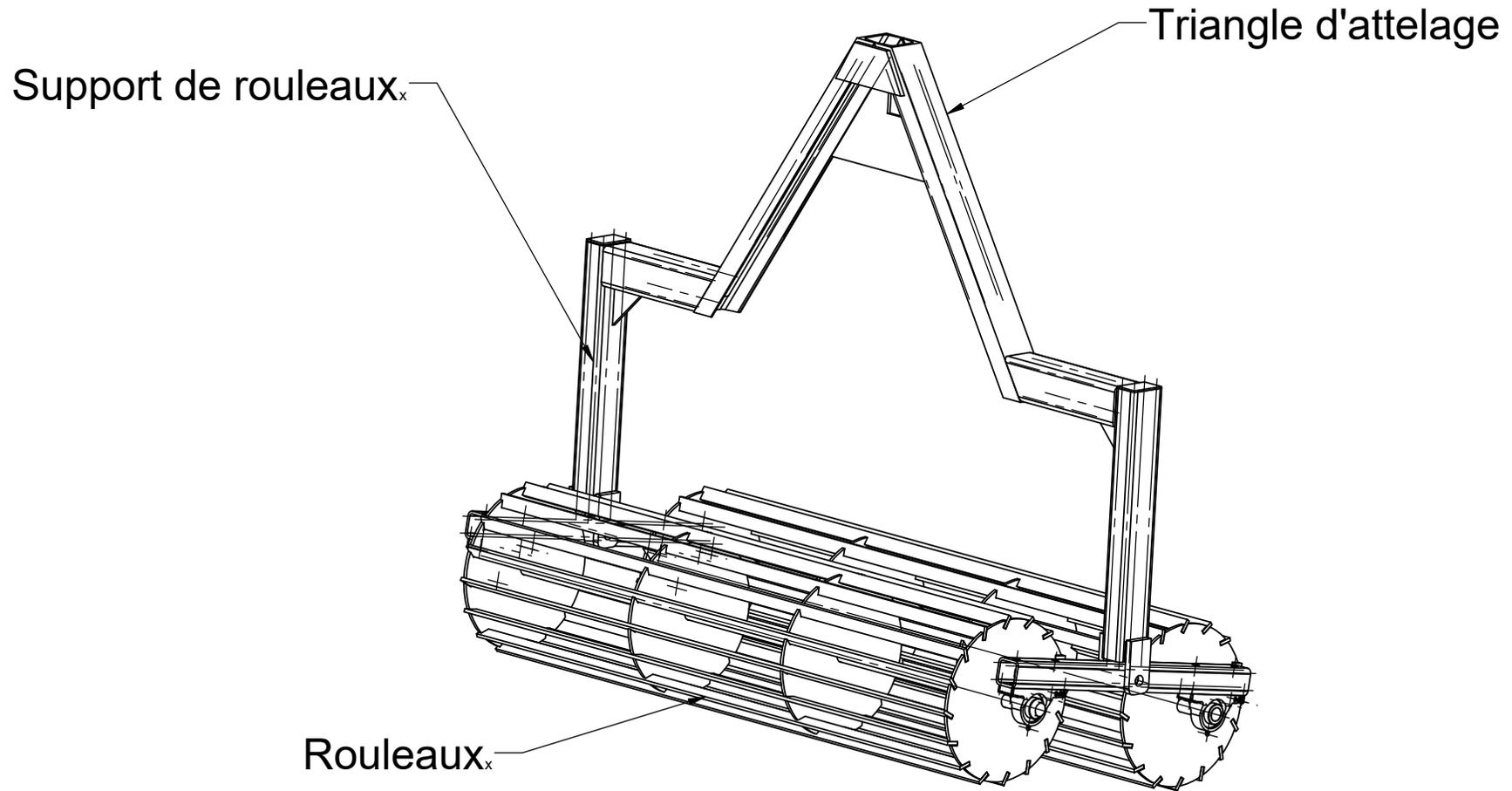


Support de rouleaux dimension:



Date	2016/10/30	<b>l'atelier paysan</b>  <b>CAPÉ</b> 	<b>EPSH</b> ÉCOLE PROFESSIONNELLE DE SAINT-HYACINTHE COMMISSION SCOLAIRE DE SAINT-HYACINTHE
Version	1		
Outil	Accessoire de cultibutte - rouleaux de finition		

Présentation:

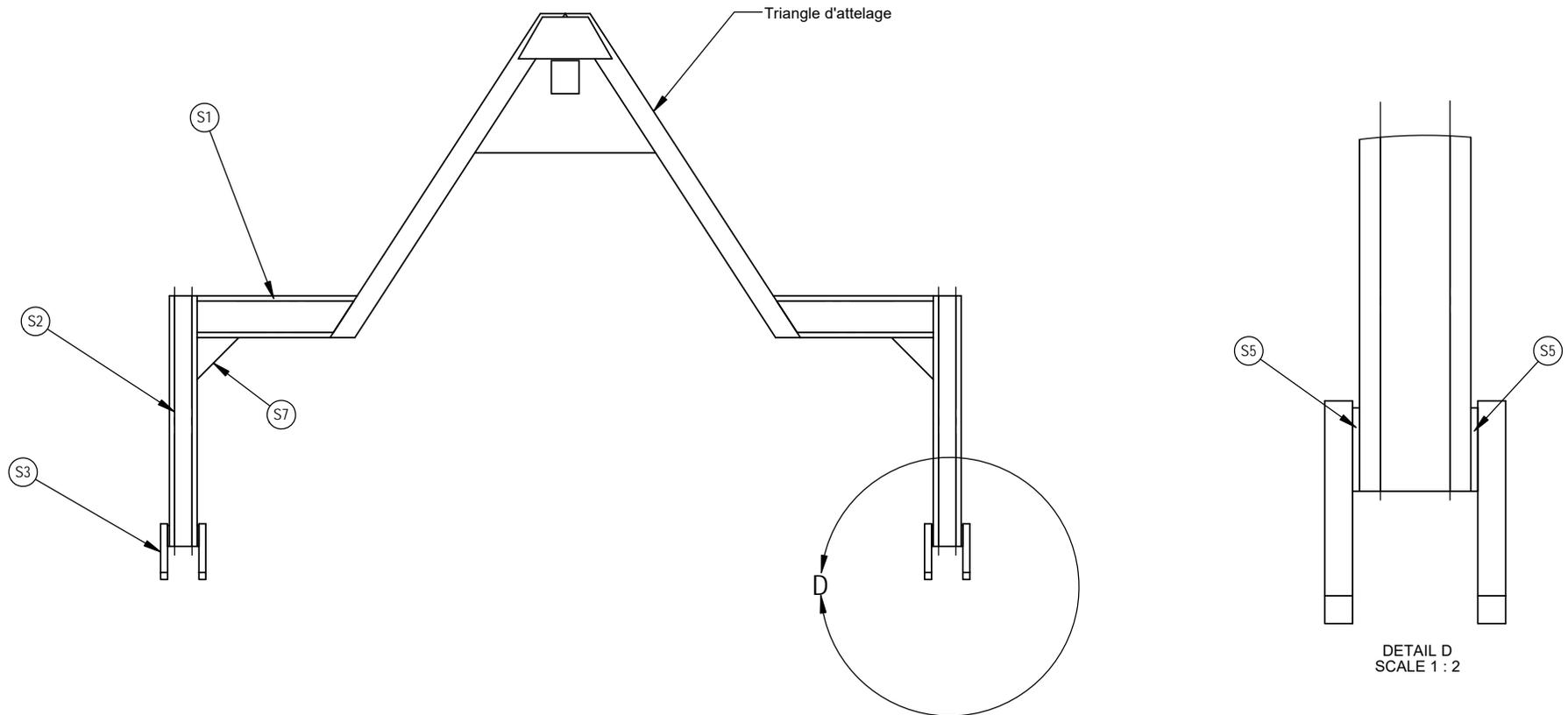


Date 2017/10/15

Version 1

Outil Accessoire de cultibutte - rouleaux de finition

# Support de rouleaux, nomenclature :

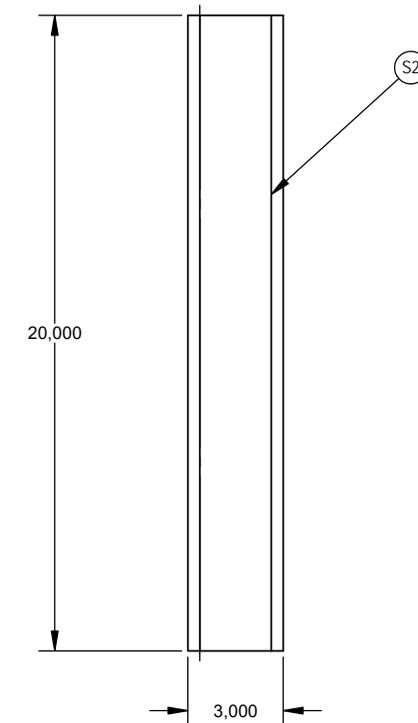
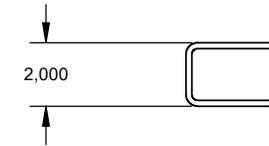
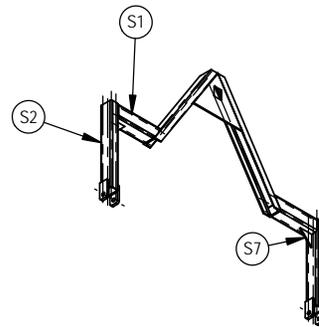
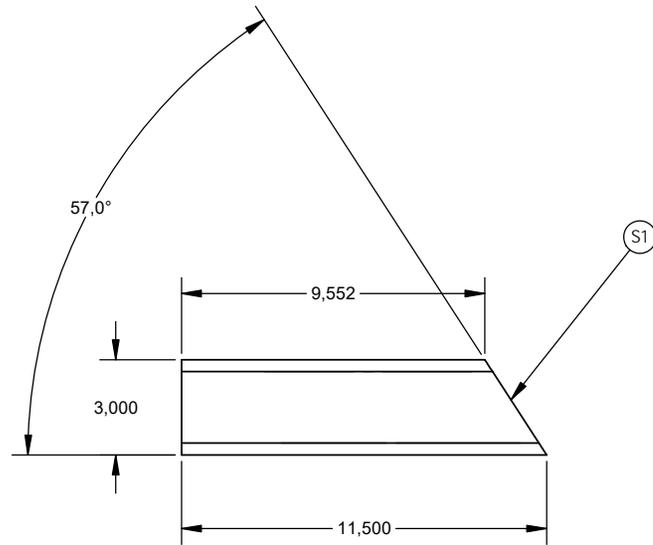


NUMERO DE PIECE	DESCRIPTION	QTE
triangle impérial femelle		1
S1	TUBE CARRÉ 3" x 3" x 3/16"	2
S2	TUBE CARRÉ 3" x 2" x 3/16"	2
S3	FER PLAT 2" x 1/2"	4
S5	FER PLAT 2" x 1/8"	4
S7	Plaque 1/4"	2

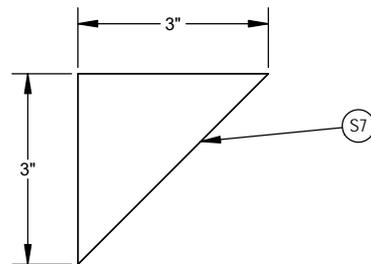
Date	2017/10/15		
Version	1		
Outil	Accessoire de cultibutte - rouleaux de finition		



## Support de rouleaux, pièces S1, S2 et S7:



NUMÉRO DE PIÈCE	DESCRIPTION	QUANTITÉ
S2	TUBE CARRÉ 3" x 3" x 3/16"	2



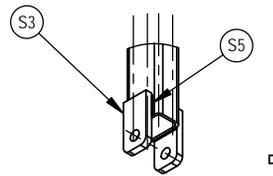
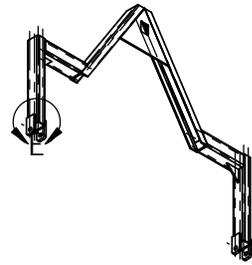
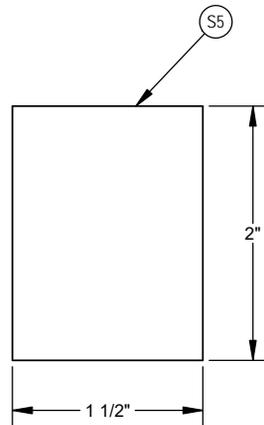
NUMERO DE PIECE	DESCRIPTION	QTE
S7	Plaque 1/4"	2

NUMÉRO DE PIÈCE	DESCRIPTION	QUANTITÉ
S2	TUBE RECTANGLE 2" x 3" x 3/16"	2

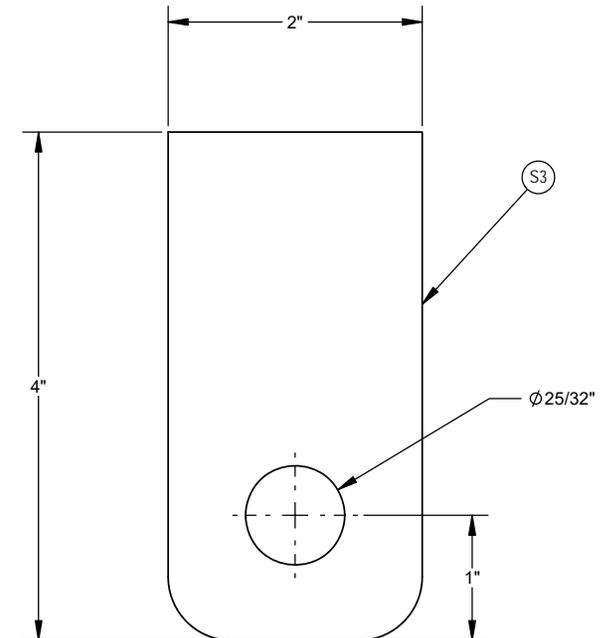
Date	2016/10/30		
Version	1		
Outil	Accessoire de cultibutte - rouleaux de finition		



## Support de rouleaux. pièces S3 et S5:



DETAIL E  
SCALE 1 : 8



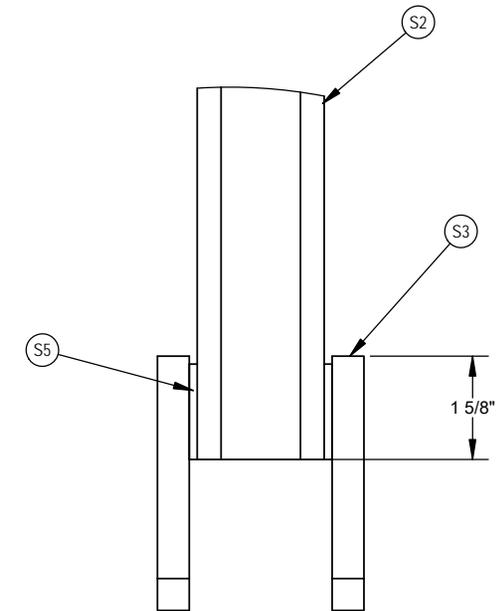
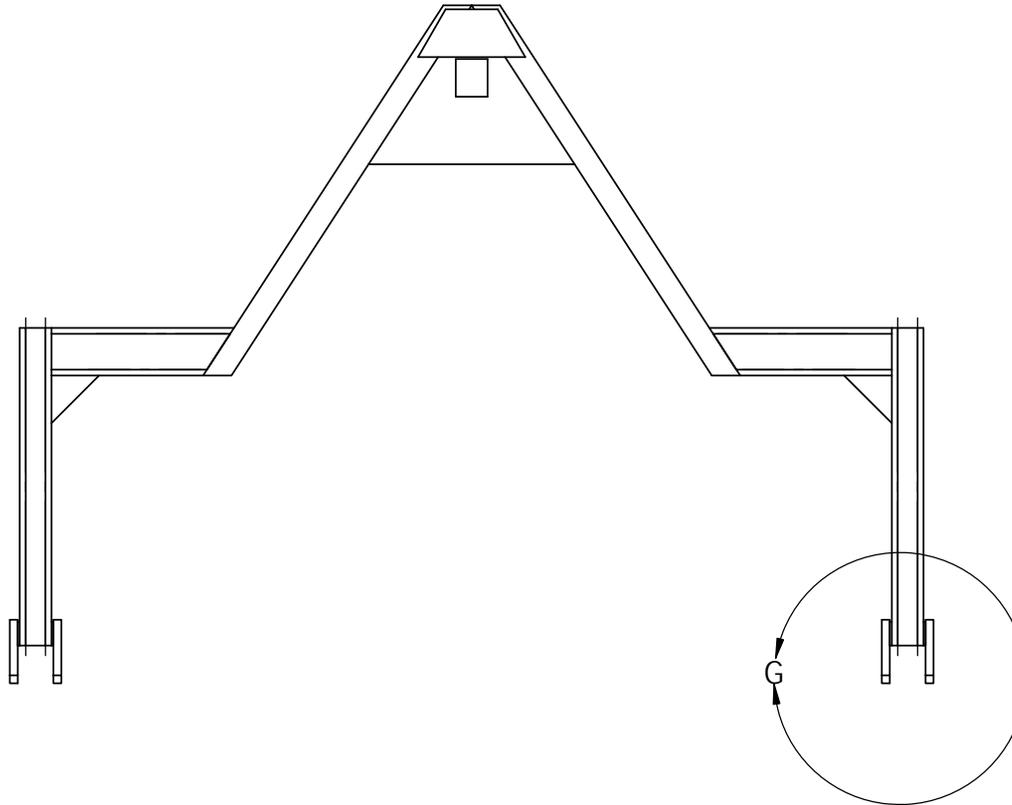
NUMERO DE PIECE	DESCRIPTION	QTE
S5	FER PLAT 2" x 1/8"	4

NUMÉRO DE PIÈCE	DESCRIPTION	QUANTITÉ
S3	Fer plat 2" X 1/2"	4

Date	2016/10/30		
Version	1		
Outil	Cultibutte - Rouleau de finition double:		



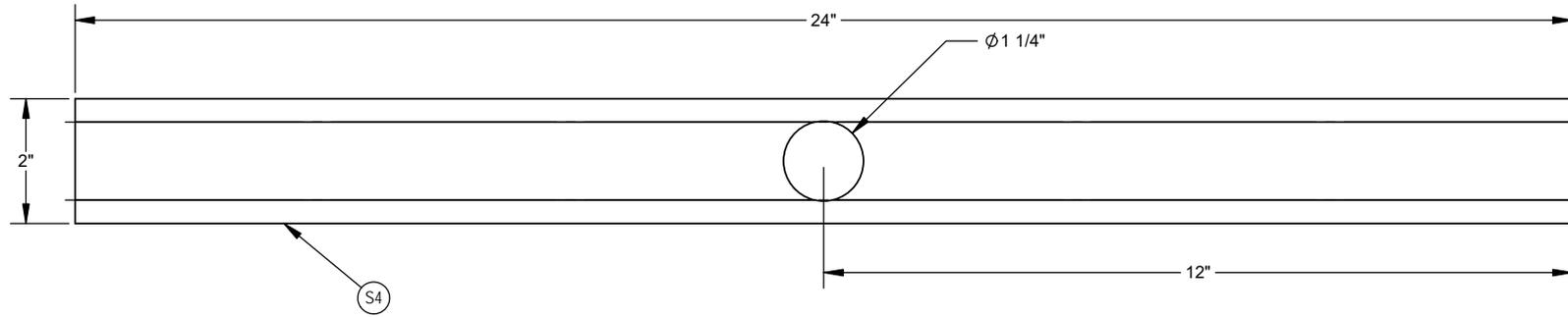
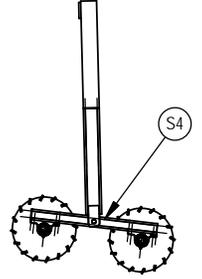
## Support de rouleaux. Position des pièces S2, S3 et S5:



DETAIL G  
SCALE 1 : 2

Date	2016/10/30	
Version	1	
Outil	Accessoire de cultibutte - rouleaux de finition	

## Support de rouleaux. pièces S4:

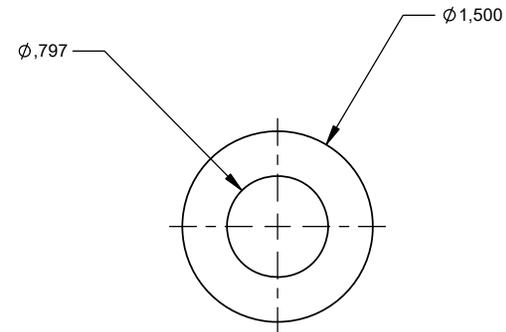
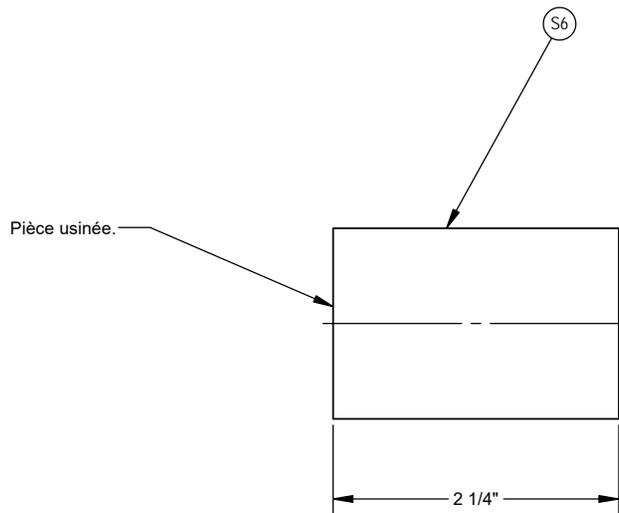


NUMÉRO DE PIÈCE	DESCRIPTION	QUANTITÉ
S4	Tube carré 2" X 3/16"	2

Date	2016/10/30		
Version	1		
Outil	Accessoire de cultibutte - rouleaux de finition		

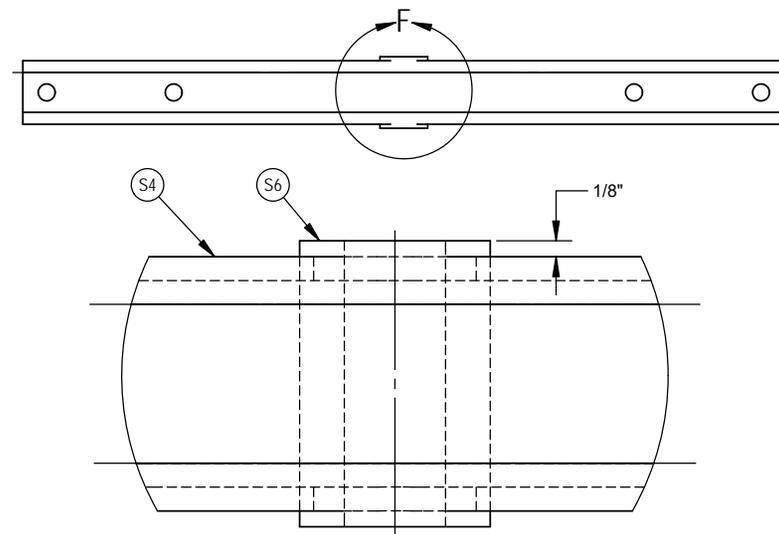
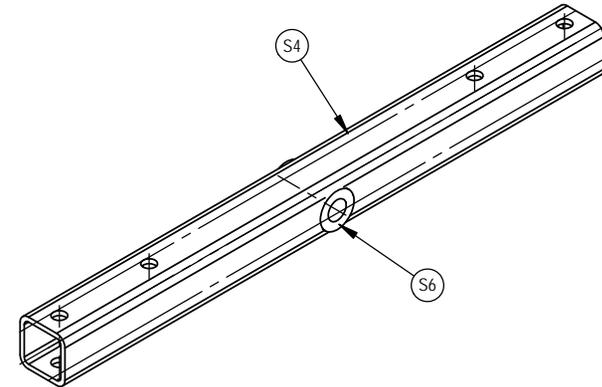


## Support de rouleaux, pièce S6 - manchon de support de rouleaux:



Date	2016/10/30	  
Version	1	
Outil	Accessoire de cultibutte - rouleaux de finitions	

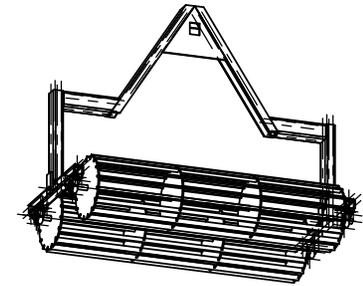
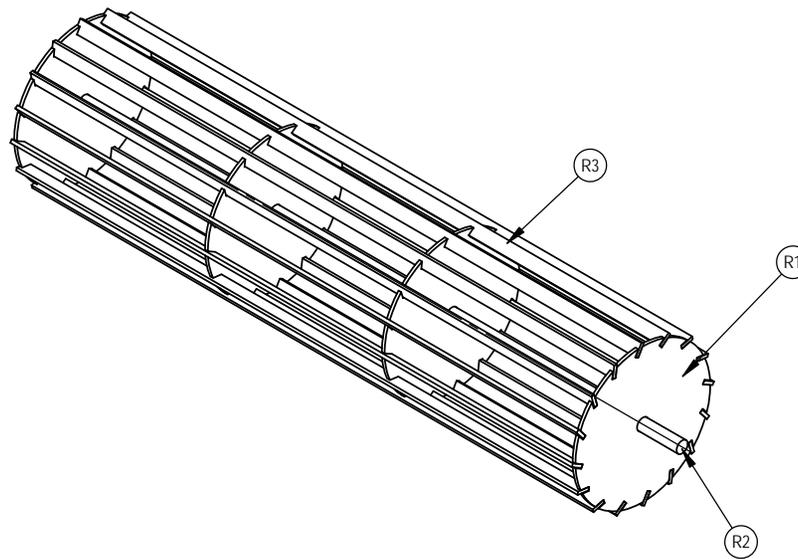
## Position de l'apiece S6, manchon usiné



DETAIL F  
SCALE 1 : 1

Date	2017/10/30	  
Version	1	
Outil	Accessoire de cultibutte - rouleaux de finition	

## Rouleau, nomenclature :



No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	R2	ÉTIRÉ ROND 1"	1
2	R1	Acier 1/4"	4
3	R3	FER PLAT 1/4"	16

Date 2017/10/30



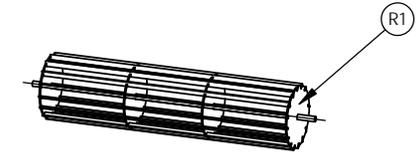
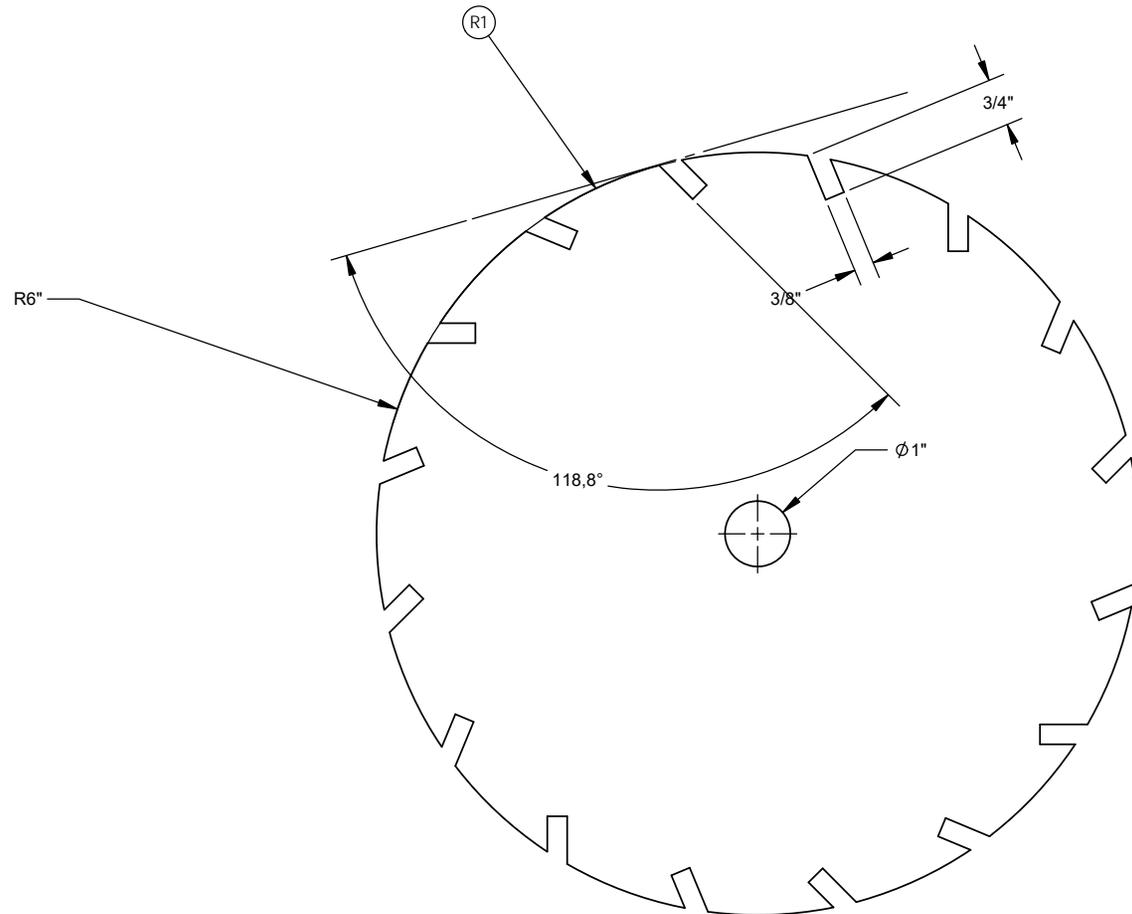
EP SH ÉCOLE PROFESSIONNELLE DE  
SAINT-HYACINTHE  
COMMISSION SCOLAIRE DE SAINT-HYACINTHE

## Rouleau, pièce R1



Version 1

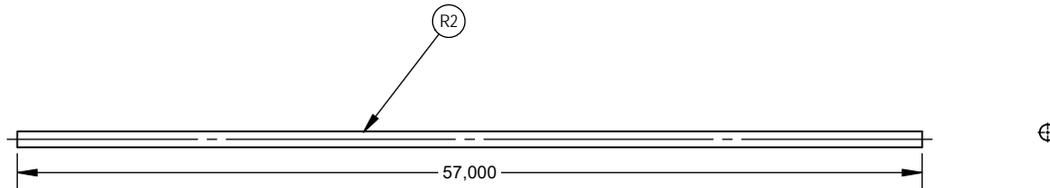
Outil Accessoire de cultibutte - rouleaux de finition



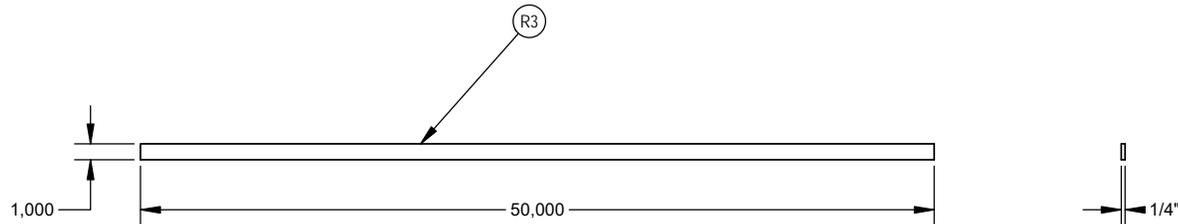
NUMÉRO DE PIÈCE	DESCRIPTION	QUANTITÉ
R1	plaque 5/16" découpe laser	8

Date	2017/10/30		
Version	1		
Outil	Accessoire de cultibutte - rouleaux de finitions		

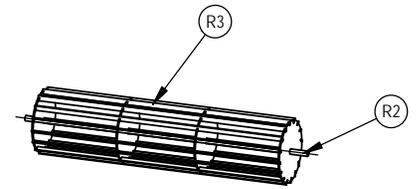
## Rouleau, pièce R2 et R3:



NUMÉRO DE PIÈCE	DESCRIPTION	QUANTITÉ
R2	Toge ronde 1"	2

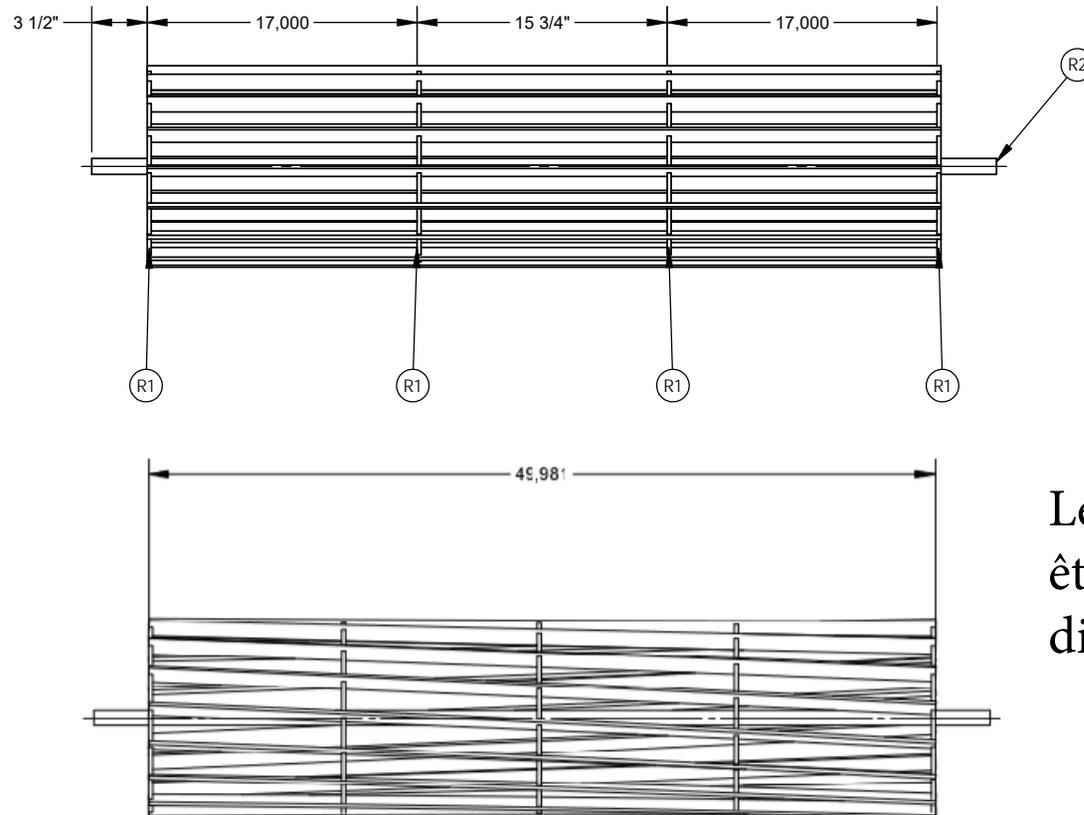


NUMÉRO DE PIÈCE	DESCRIPTION	QUANTITÉ
R3	Fer plat 1" X 1/4"	16



Date	2017/10/30	   ÉCOLE PROFESSIONNELLE DE SAINT-HYACINTHE COMMISSION SCOLAIRE DE SAINT-HYACINTHE
Version	1	
Outil	Accessoire de cultibutte - rouleaux de finition	

## Rouleau, position des pièces R1 et R2:



Les pièces R3 peuvent être positionnées en diagonales.