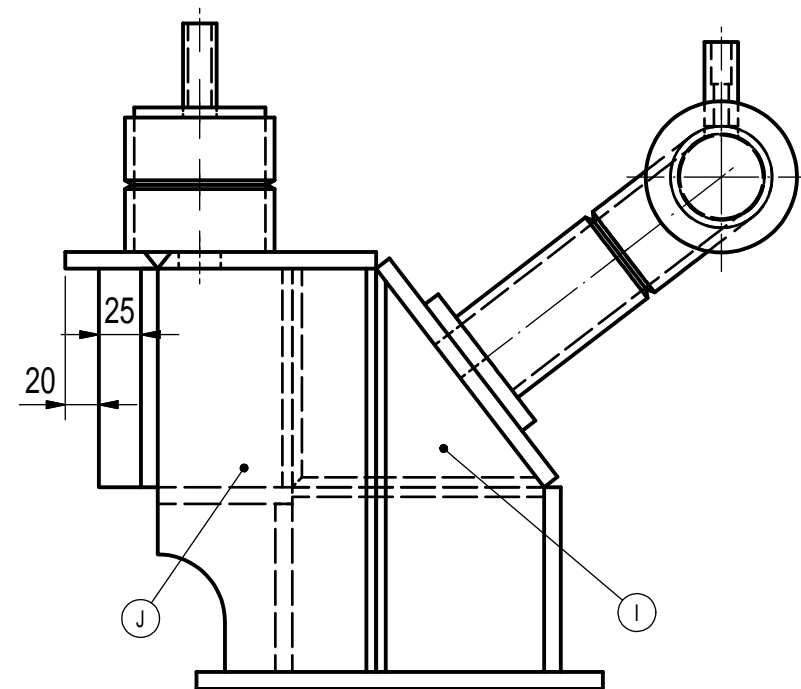
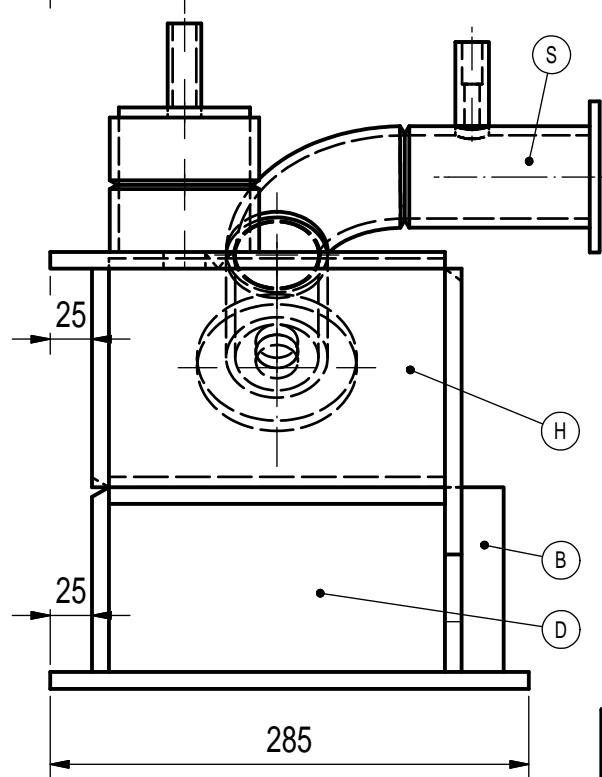
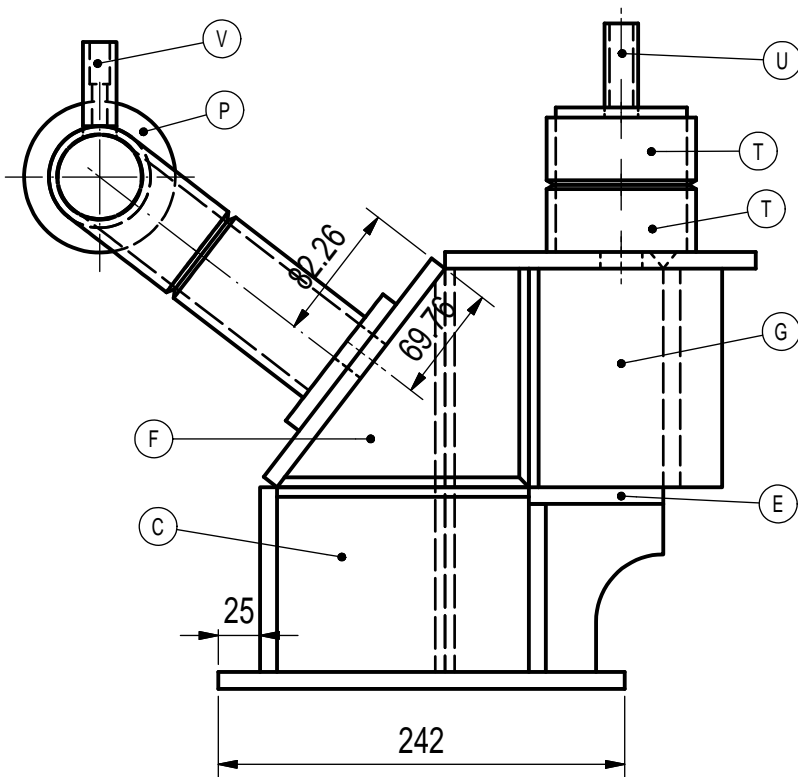
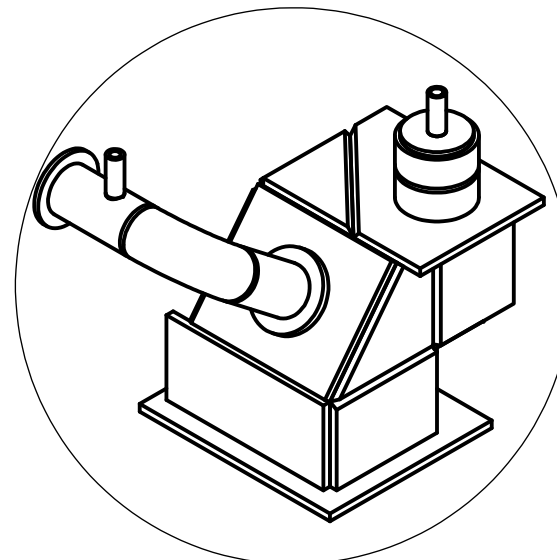
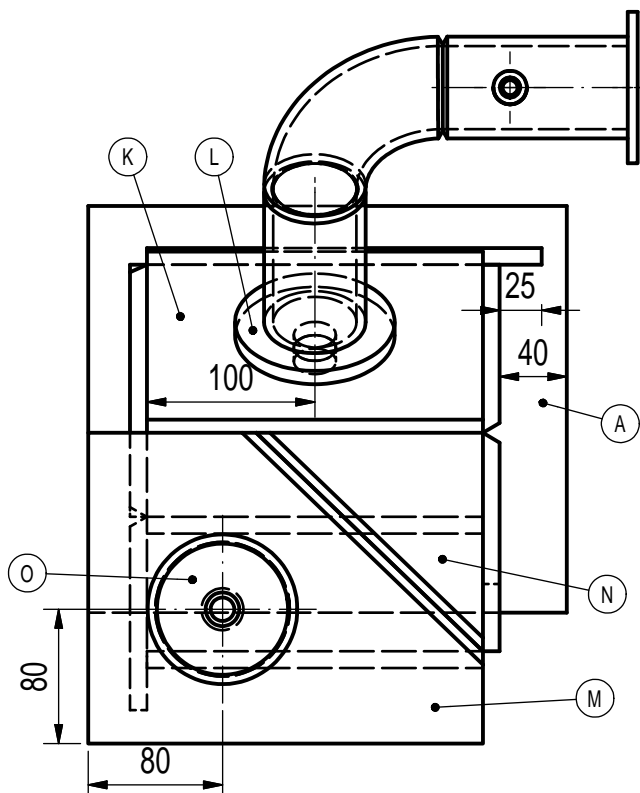
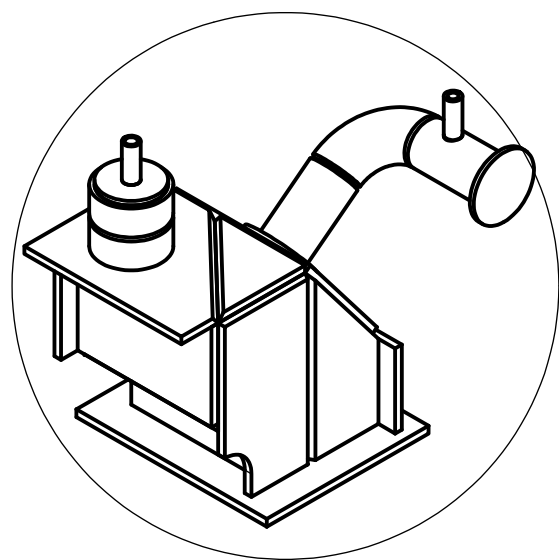


WELDING PROCESSES	
ISO 4063	AWS A3.0
111	SMAW
135	GMAW
136	FCAW-G
141	GTAW





# INSTRUCTIONS :

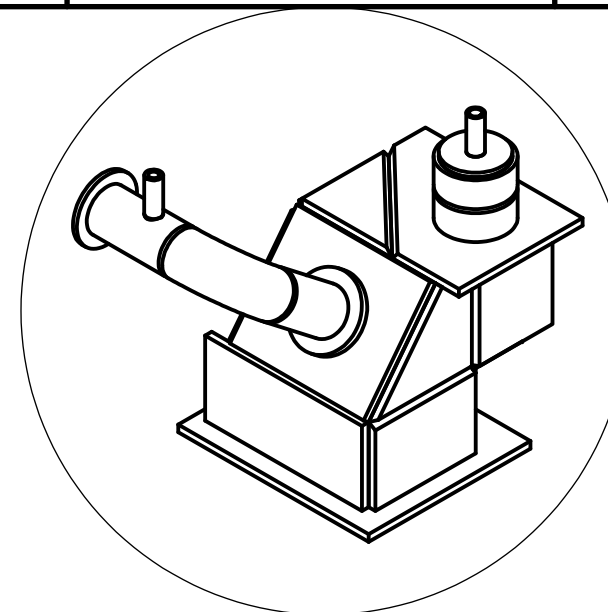
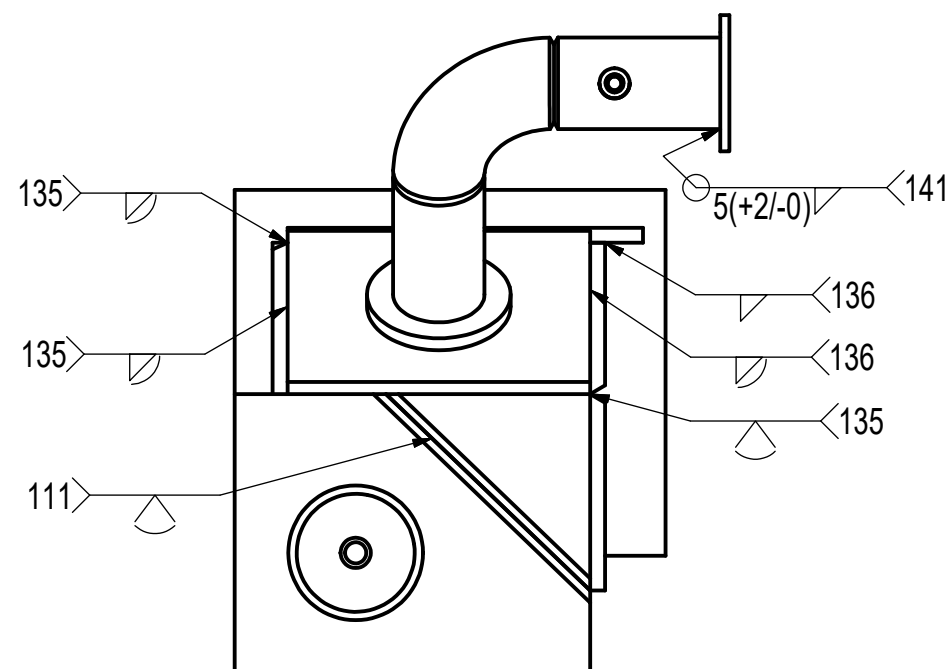
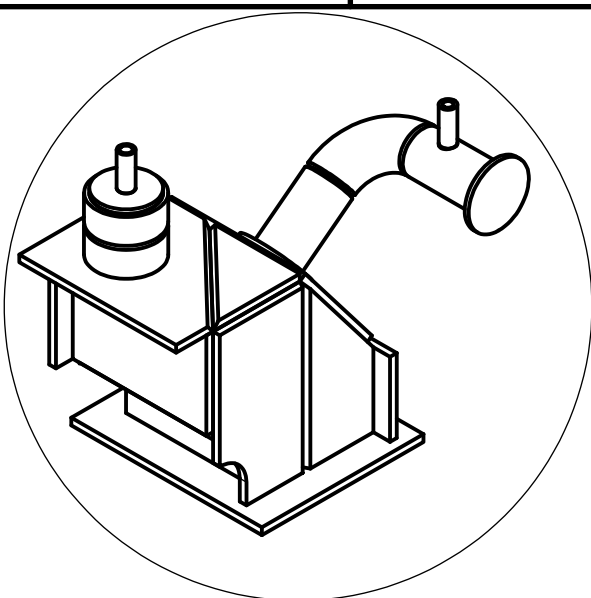
1. TACK WELD THE VESSEL SHOWN AND COMPLETELY SEAL ALL JOINTS USING THE WELDING PROCESSES LISTED.
2. ALL TACK WELDS SHALL BE ON THE OUTSIDE OF VESSEL WITH MAX. 15 mm IN LENGTH.
3. ALL WELDING TO CARRY OUT WITH BASE PLATE "A" IN THE FLAT POSITION.
4. ALL FILLET WELDS UNLESS NOTED OTHERWISE TO HAVE A LEG LENGTH OF 10 mm(+2.0/-0)
5. NO GRINDING TO TAKE PLACE AFTER THE FINAL CAP PASS HAS BEEN MADE.
6. SLAG REMOVAL AND POST CLEANING OF THE WELDS SHALL BE MADE USING WIRE BRUSH.

NOTE: ALL DIMENSTIONS IN MILLIMETRE

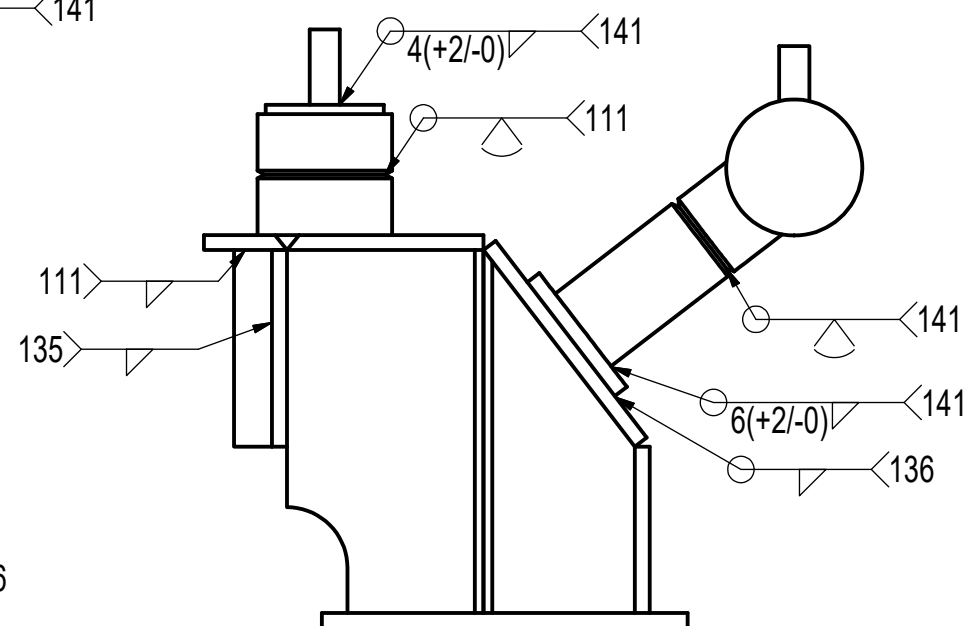
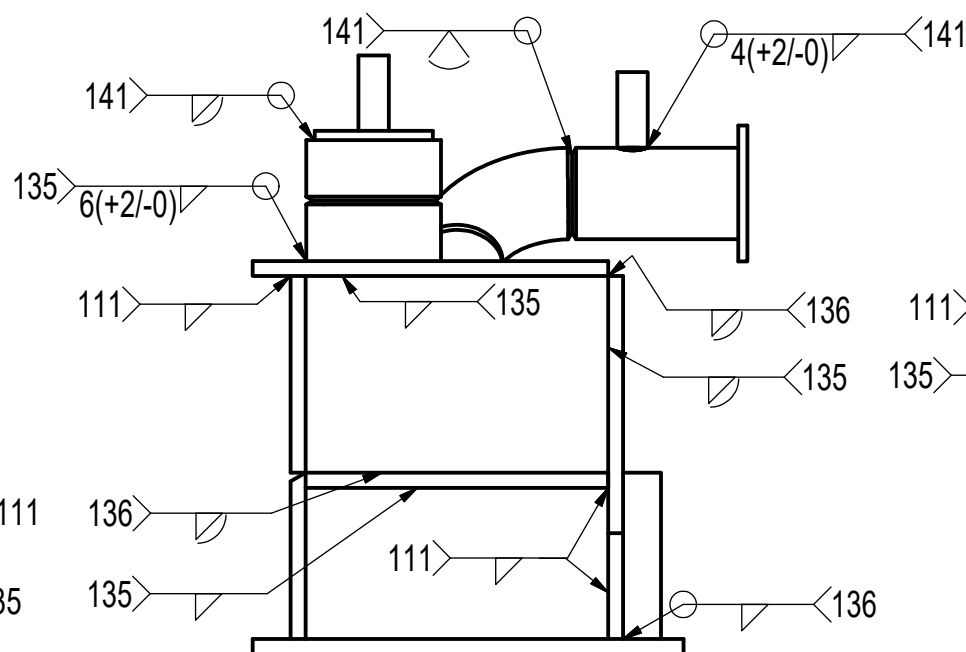
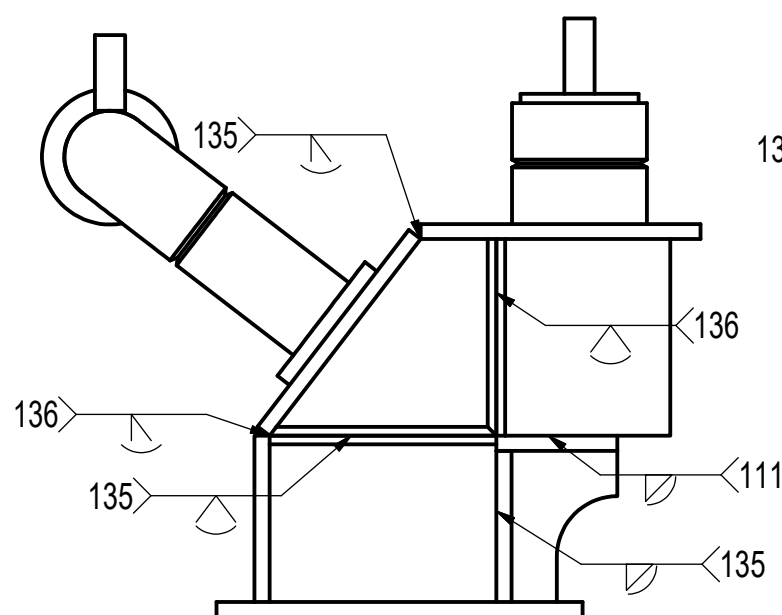
Module 2  
Provincial Skills Canada Competition  
Post-Secondary Welding



Skill: 10. 焊接, Welding, Schweißen, Soudage				OR	
Scale: N. T. S	Date: 12. Aug. 2019	Paper: A3			
Drawn/Designed by: Chih-Peng Chen TW			Drawing No: WSC2021_TP10_TW_PV_ASSEMBLY_ISO A		
Description: Pressure Vessel-ASSEMBLY			Rev:		Page:
			Appd:		Sign:



WELDING PROCESSES	
ISO 4063	AWS A3.0
111	SMAW
135	GMAW
136	FCAW-G
141	GTAW





# INSTRUCTIONS :

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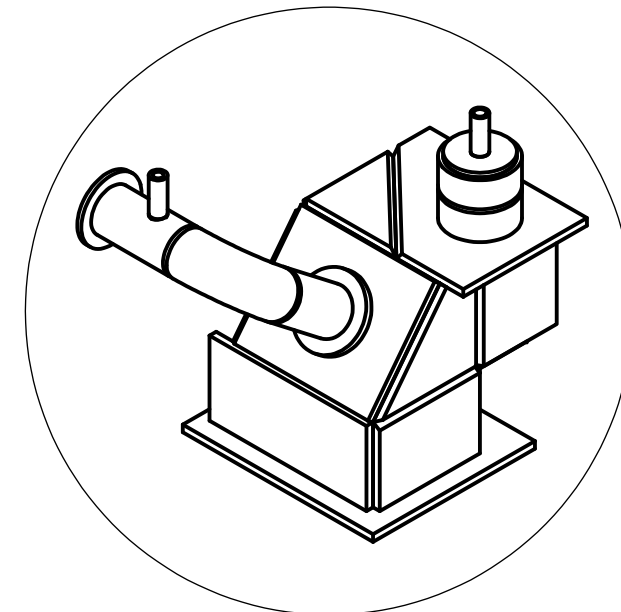
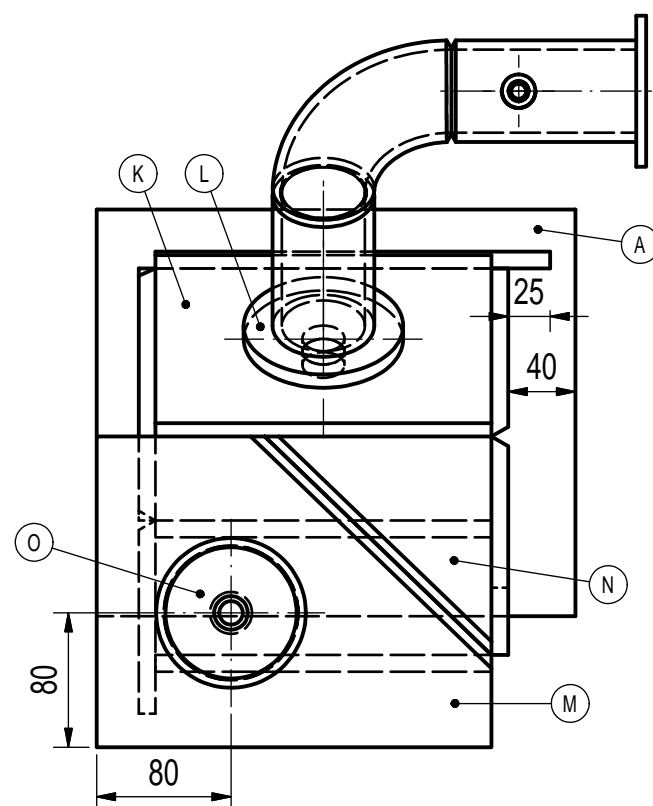
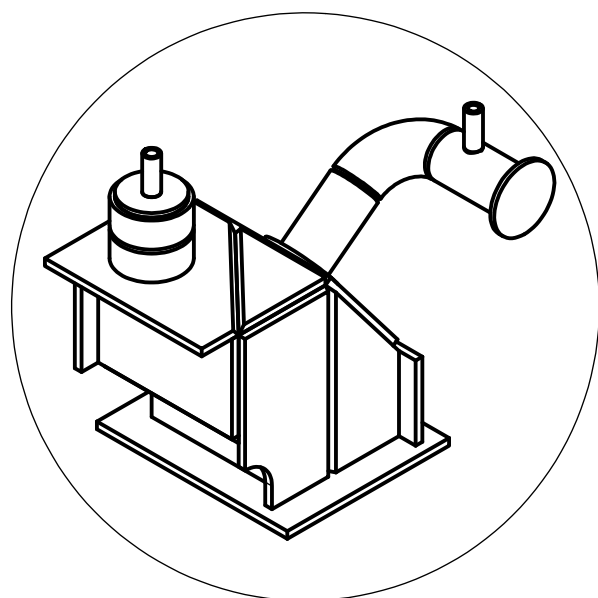
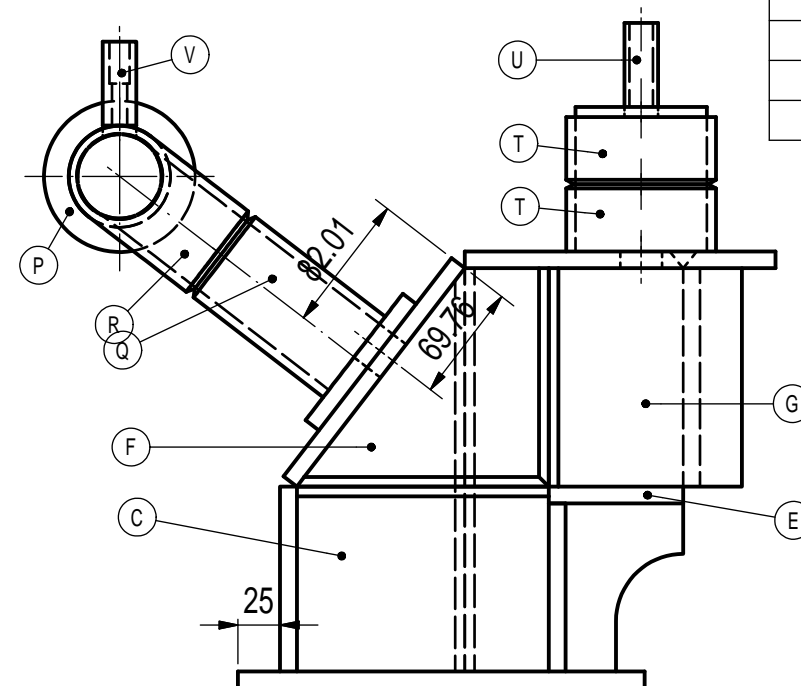
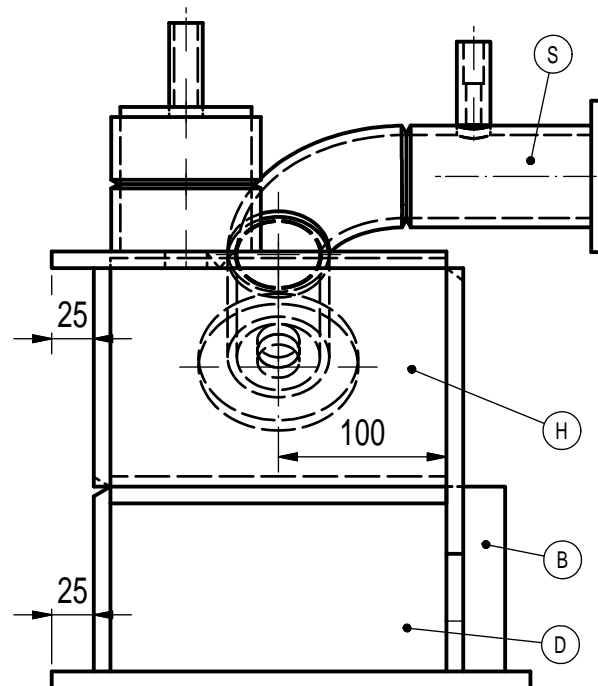
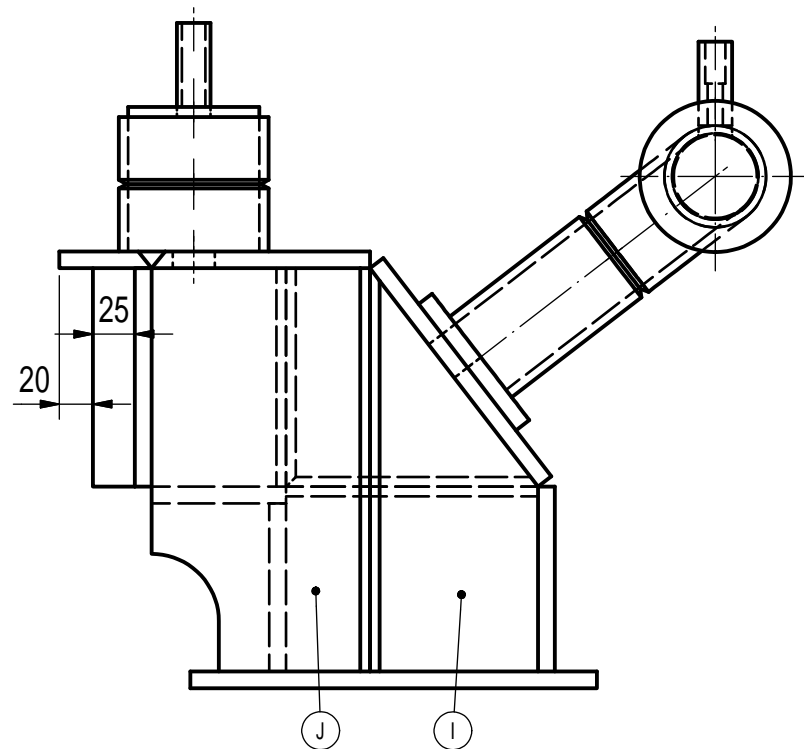
NOTE: ALL DIMENSTIONS IN MILLIMETRE

Module 2  
Provincial Skills Canada Competition  
Post-Secondary Welding



Skill: 10. 焊接, Welding, Schweißen, Soudage				OR	
Scale: N. T. S	Date: 31. Aug. 2021	Paper: A3			
Drawn/Designed by: Chih-Peng Chen TW			Drawing No: WSC2021_TP10_TW_PV_SYMBOLS_ISO A		
Description: Pressure Vessel-SYMBOLS			Rev: 1	Page:	
			Appd:	Sign:	

WELDING PROCESSES	
ISO 4063	AWS A3.0
111	SMAW
135	GMAW
136	FCAW-G
141	GTAW





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NOTE: ALL DIMENSTIONS IN MILLIMETRE

Module 2  
Provincial Skills Canada Competition  
Post-Secondary Welding



Skill: 10. 焊接, Welding, Schweißen, Soudage				OR	
Scale: N. T. S	Date: 12. Aug. 2019	Paper: A3			
Drawn/Designed by: Chih-Peng Chen TW			Drawing No: WSC2021_TP10_TW_PV_ASSEMBLY_ISO E		
Description: Pressure Vessel-ASSEMBLY			Rev:		Page:
			Appd:		Sign:

WELDING PROCESSES	
ISO 4063	AWS A3.0
111	SMAW
135	GMAW
136	FCAW-G
141	GTAW

A

B

C

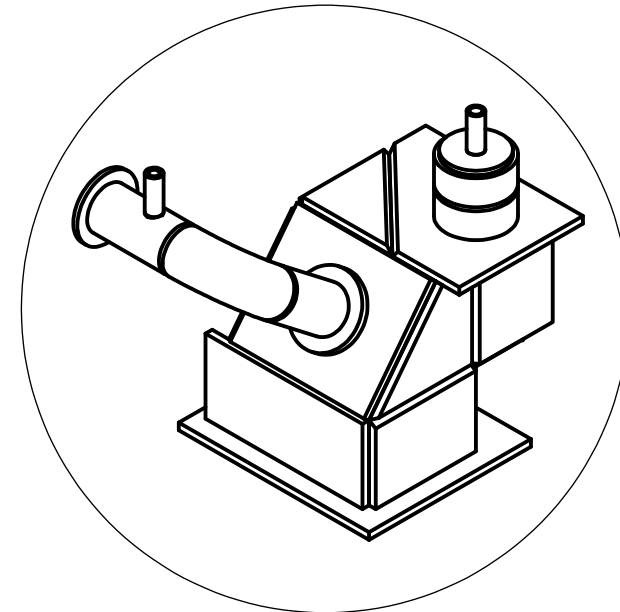
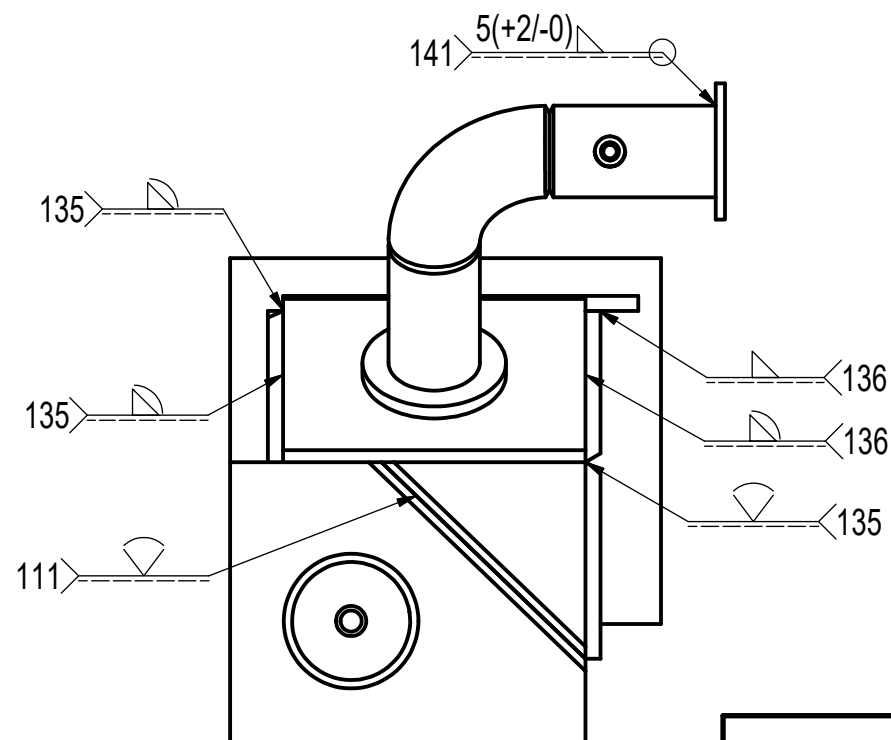
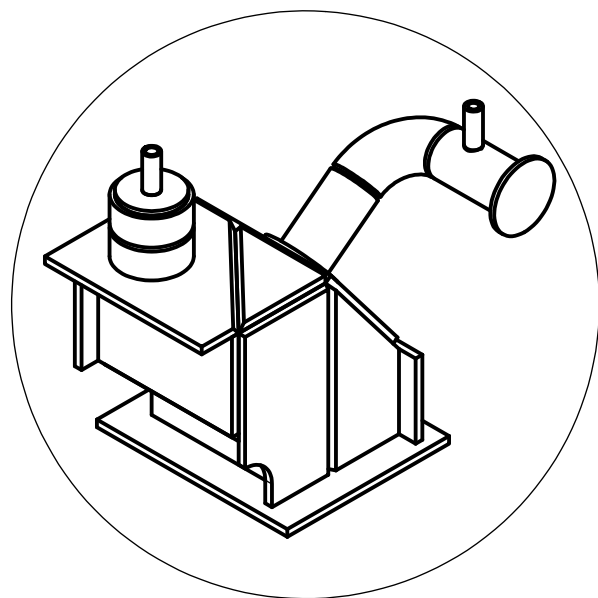
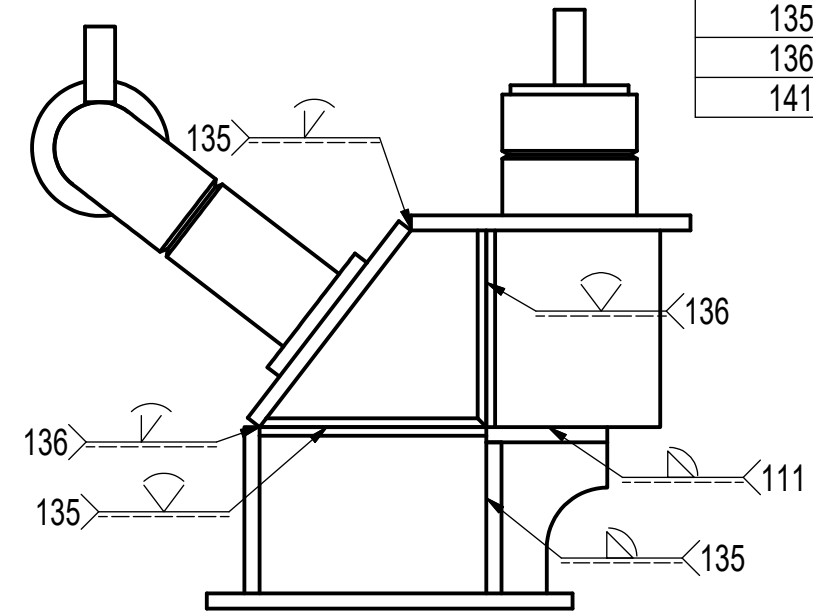
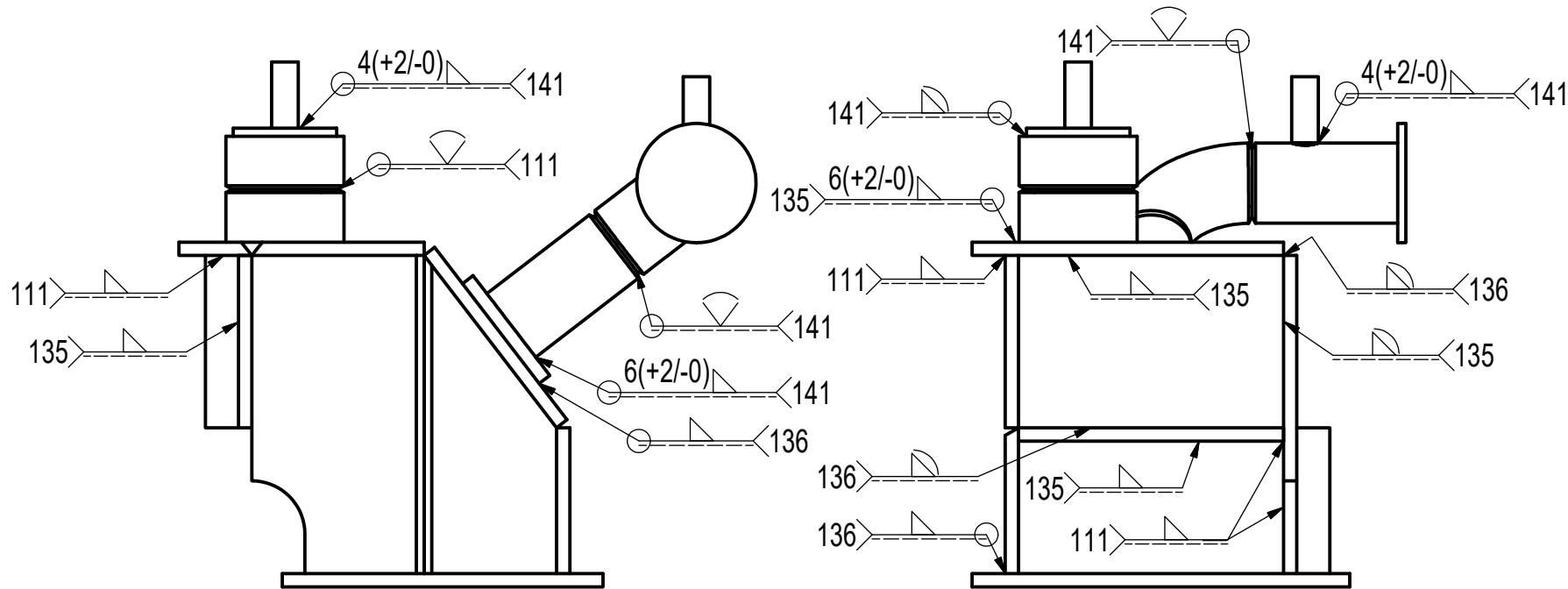
D

A

B

C

D



### INSTRUCTIONS :

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NOTE: ALL DIMENSTIONS IN MILLIMETRE

Module 2  
Provincial Skills Canada Competition  
Post-Secondary Welding



Skill: 10. 焊接, Welding, Schweißen, Soudage

Scale: N. T. S

Date: 31. Aug. 2021

Paper: A3



OR



Drawn/Designed by: Chih-Peng Chen TW

Drawing No: WSC2021\_TP10\_TW\_PV\_SYMBOLS\_ISO E

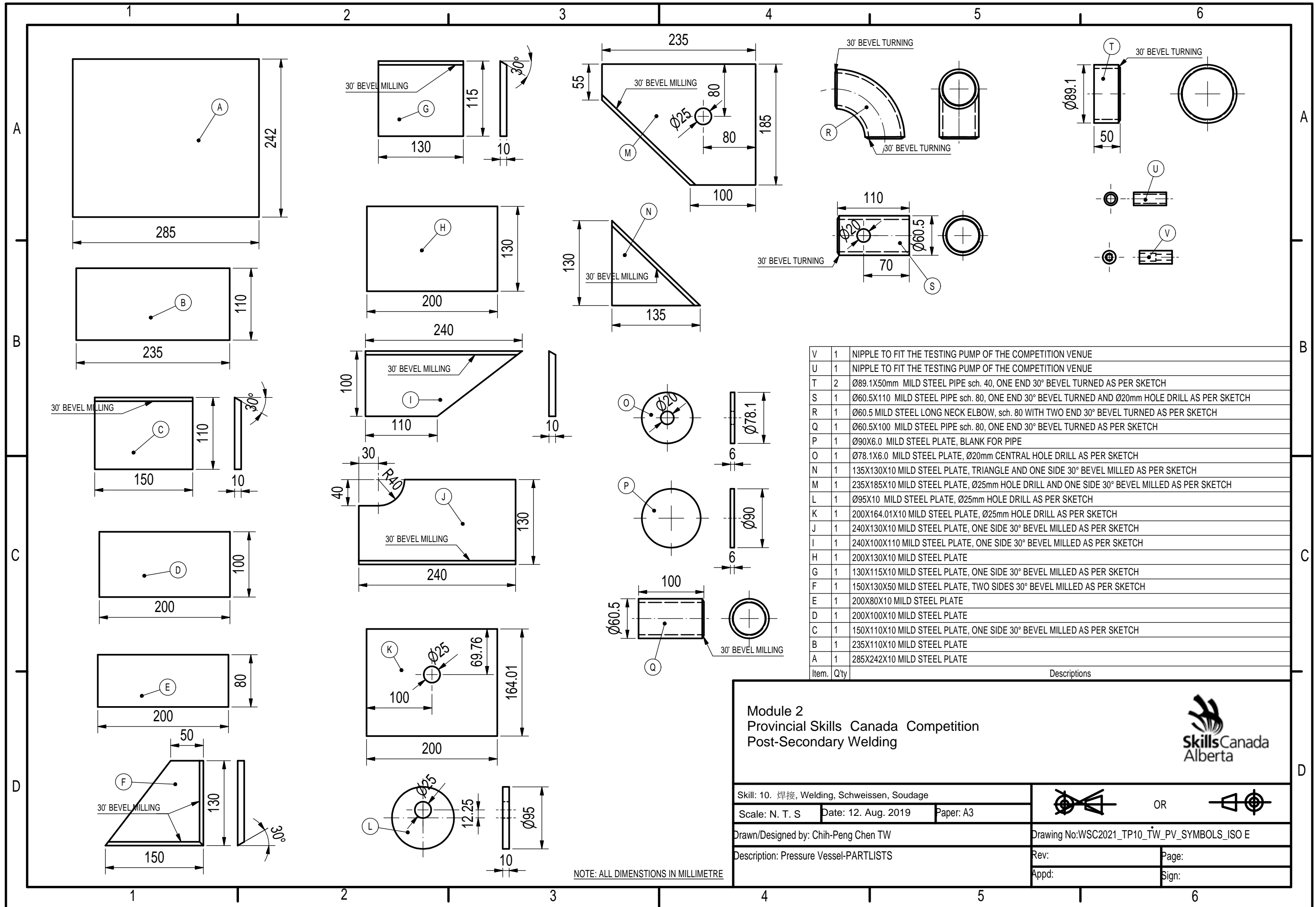
Description: Pressure Vessel-SYMBOLS

Rev: 1

Page:

Appd:

Sign:



NOTE: ALL DIMENSTIONS IN MILLIMETRE

V	1	NIPPLE TO FIT THE TESTING PUMP OF THE COMPETITION VENUE
U	1	NIPPLE TO FIT THE TESTING PUMP OF THE COMPETITION VENUE
T	2	Ø89.1X50mm MILD STEEL PIPE sch. 40, ONE END 30° BEVEL TURNED AS PER SKETCH
S	1	Ø60.5X110 MILD STEEL PIPE sch. 80, ONE END 30° BEVEL TURNED AND Ø20mm HOLE DRILL AS PER SKETCH
R	1	Ø60.5 MILD STEEL LONG NECK ELBOW, sch. 80 WITH TWO END 30° BEVEL TURNED AS PER SKETCH
Q	1	Ø60.5X100 MILD STEEL PIPE sch. 80, ONE END 30° BEVEL TURNED AS PER SKETCH
P	1	Ø90X6.0 MILD STEEL PLATE, BLANK FOR PIPE
O	1	Ø78.1X6.0 MILD STEEL PLATE, Ø20mm CENTRAL HOLE DRILL AS PER SKETCH
N	1	135X130X10 MILD STEEL PLATE, TRIANGLE AND ONE SIDE 30° BEVEL MILLED AS PER SKETCH
M	1	235X185X10 MILD STEEL PLATE, Ø25mm HOLE DRILL AND ONE SIDE 30° BEVEL MILLED AS PER SKETCH
L	1	Ø95X10 MILD STEEL PLATE, Ø25mm HOLE DRILL AS PER SKETCH
K	1	200X164.01X10 MILD STEEL PLATE, Ø25mm HOLE DRILL AS PER SKETCH
J	1	240X130X10 MILD STEEL PLATE, ONE SIDE 30° BEVEL MILLED AS PER SKETCH
I	1	240X100X110 MILD STEEL PLATE, ONE SIDE 30° BEVEL MILLED AS PER SKETCH
H	1	200X130X10 MILD STEEL PLATE
G	1	130X115X10 MILD STEEL PLATE, ONE SIDE 30° BEVEL MILLED AS PER SKETCH
F	1	150X130X50 MILD STEEL PLATE, TWO SIDES 30° BEVEL MILLED AS PER SKETCH
E	1	200X80X10 MILD STEEL PLATE
D	1	200X100X10 MILD STEEL PLATE
C	1	150X110X10 MILD STEEL PLATE, ONE SIDE 30° BEVEL MILLED AS PER SKETCH
B	1	235X110X10 MILD STEEL PLATE
A	1	285X242X10 MILD STEEL PLATE
Item.	Qty	Descriptions

Module 2  
Provincial Skills Canada Competition  
Post-Secondary Welding



Skill: 10. 焊接, Welding, Schweißen, Soudage	OR	
Scale: N. T. S	Date: 12. Aug. 2019	Paper: A3
Drawn/Designed by: Chih-Peng Chen TW	Drawing No: WSC2021_TP10_TW_PV_SYMBOLS_ISO E	
Description: Pressure Vessel-PARTLISTS	Rev:	Page:
	Appd:	Sign: