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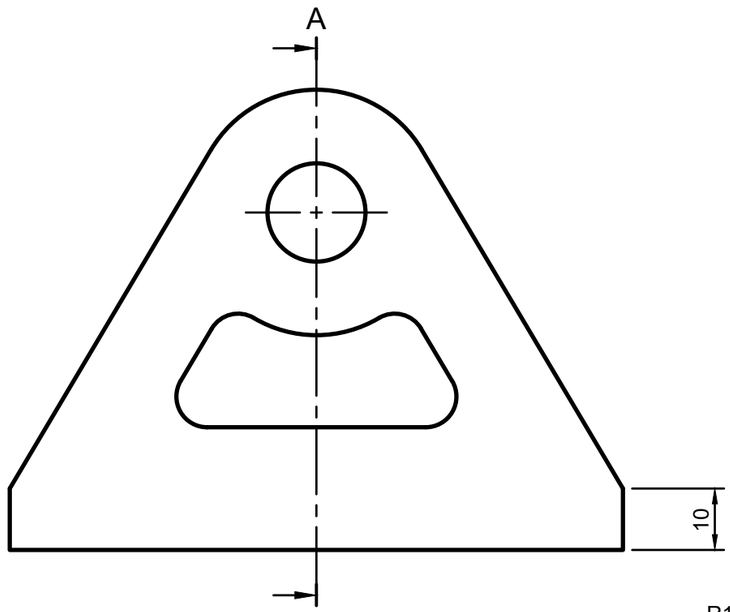
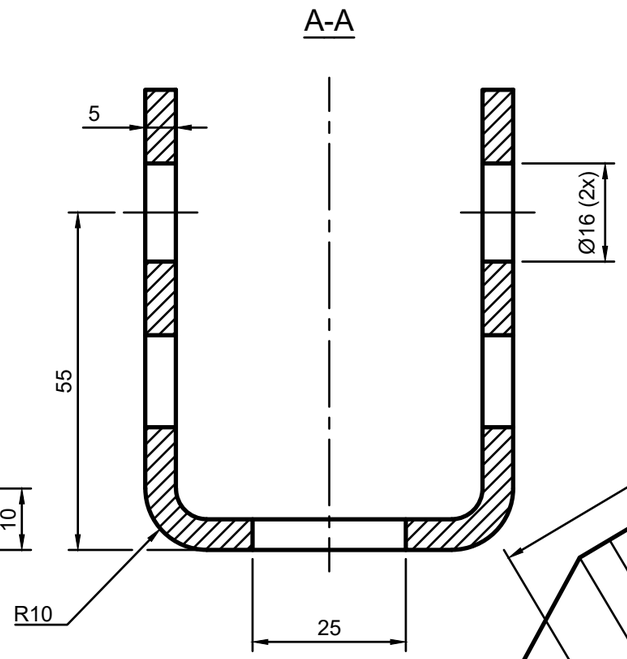
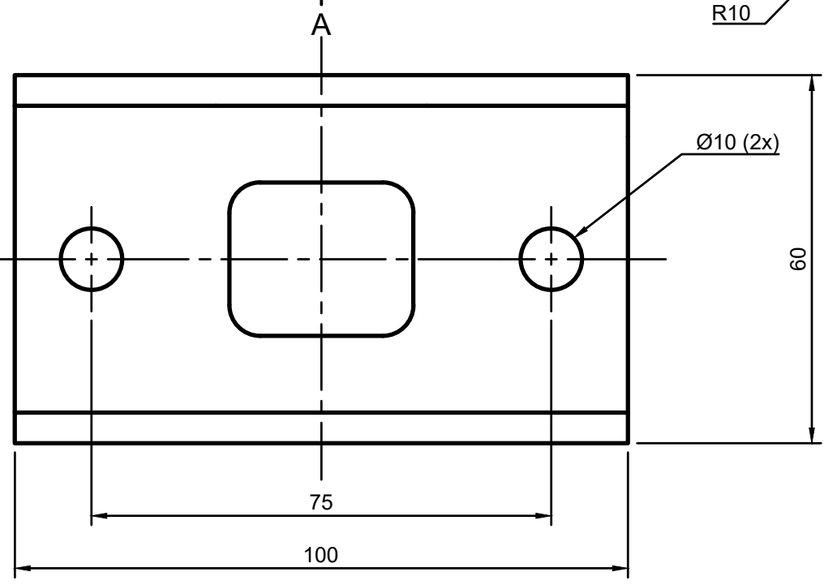
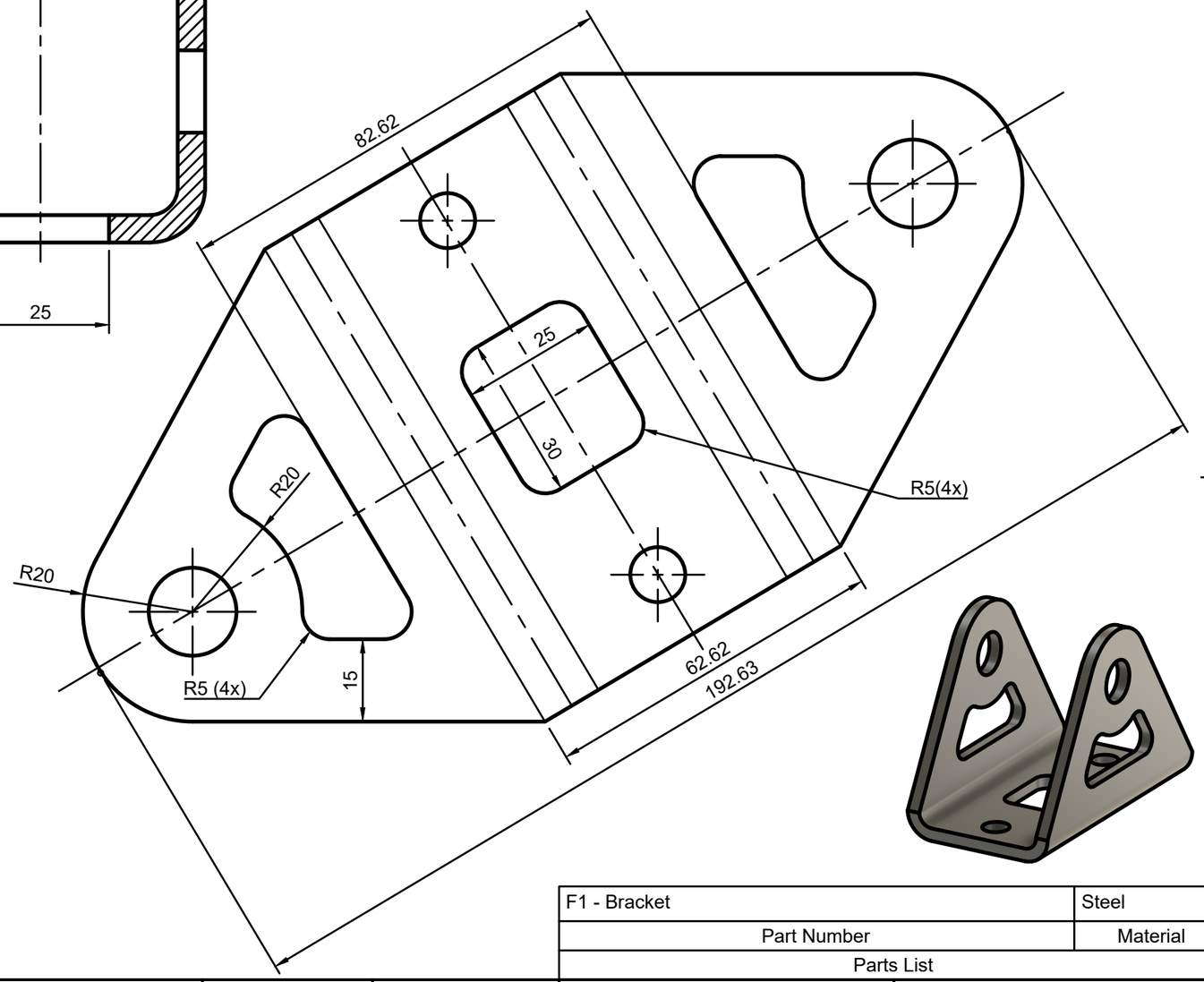
Revision history			
Rev.	Description	Created by	Rev. date







Circular holes drilled after bending.
All other cut outs after bending.



SHEET METAL RULES

- In this design
  - **Steel (mm)**
    - Thickness: 5.00 mm
    - K Factor: 0.44
    - Miter/rip/seam gap: 5.00 mm
    - Bend Conditions
      - Bend radius: 5.00 mm
      - Relief shape: Straight
      - Relief width: 5.00 mm
      - Relief depth: 2.50 mm
      - Relief remnant: 10.00 mm
    - Corner Conditions
      - 2 Bend Intersection
        - Relief shape: Trim to Bend
        - Relief size: 20.00 mm
        - Relief placement: Intersection
      - 3 Bend Intersection
        - Relief shape: Round with Radius
        - Relief radius: 5.00 mm
- Library

General Tolerances		
Weld constr. ISO 5817 Class C	Castings ISO 8062 CT12	Threads ISO 965 6H/6g
Linear and angular dimensions		
Machined with cutting tools (does not include sawing)	ISO 2768-1-m	
Machined with non cutting tools (includes sawing)	ISO 2768-1-v	
Broken edges and angular dimensions	ISO 2768-1-c	

School subject: CAD1/CAD2	Scale: 1:1
PERSTORP TEKNISKA GYMNASIUM	
First angle projection	

F1 - Bracket	Steel
Part Number	Material
Parts List	
Created by: Jorgen Nilsson	Approved by:
Document type: FUSION 360 Drawing	Approved date:
Title: F1 - Bracket Sheet metal exercise	DWG No.: PG-24217
Rev.: 0 / Date of issue: 2024-10-21 / Sheet: 1/1	

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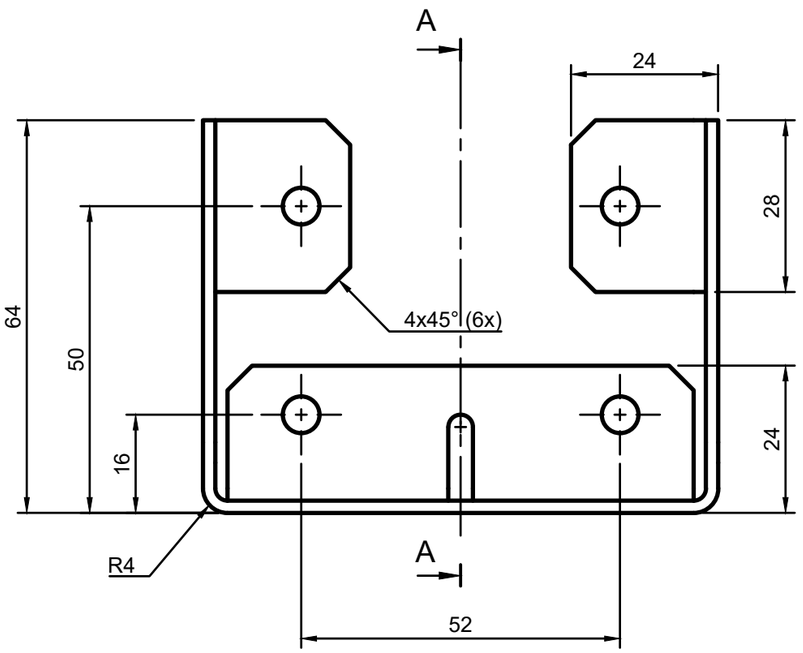
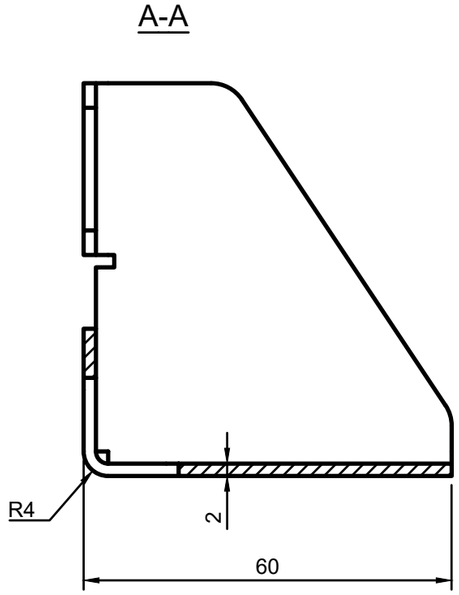
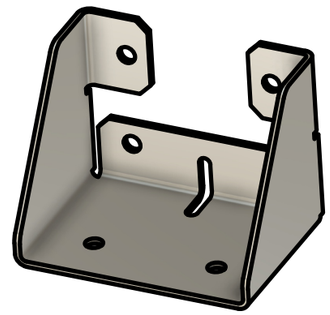
Revision history			
Rev.	Description	Created by	Rev. date

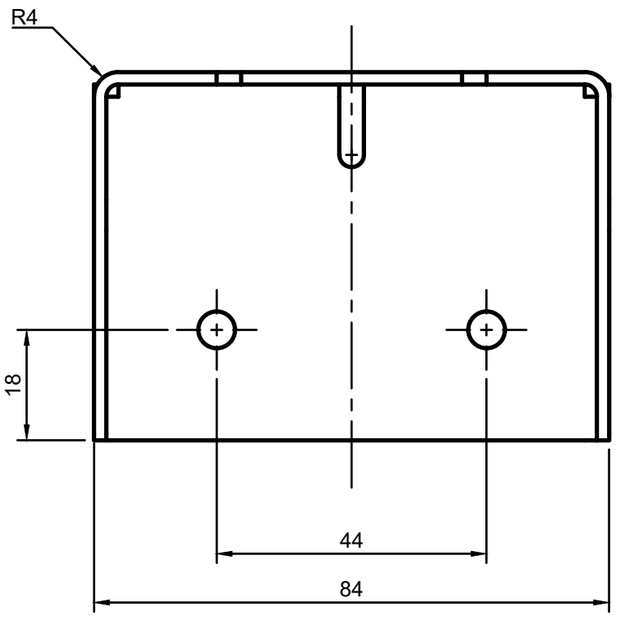


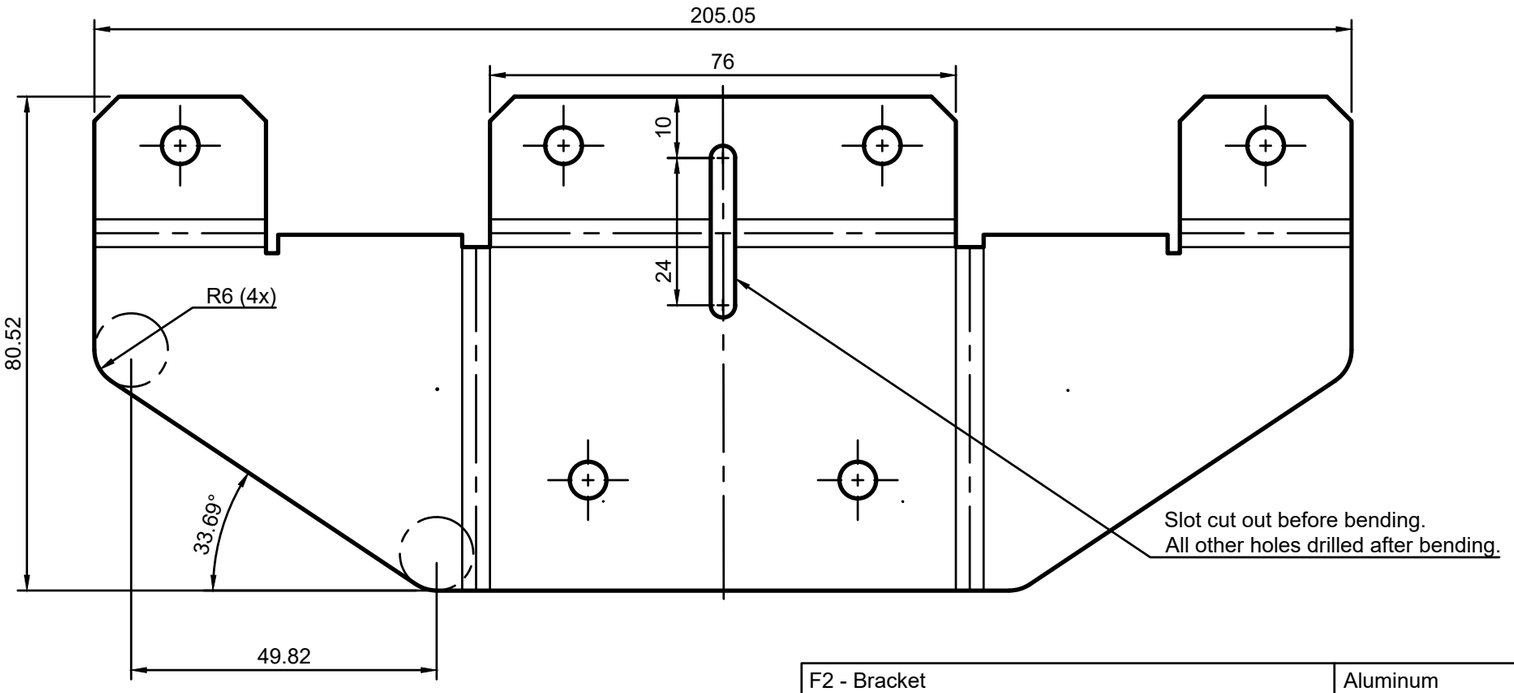


SHEET METAL RULES

- In this design
  - **Aluminum 2mm**
    - Thickness 2.00 mm
    - K Factor 0.44
    - Miter/rip/seam gap 0.40 mm
    - Bend Conditions
      - Bend radius 2.00 mm
      - Relief shape Round
      - Relief width 2.00 mm
      - Relief depth 1.00 mm
      - Relief remnant 4.00 mm
    - Corner Conditions
      - 2 Bend Intersection
        - Relief shape Round
        - Relief size 8.00 mm
        - Relief placement Intersection
      - 3 Bend Intersection
        - Relief shape Full Round
        - Relief radius 2.00 mm
- Library







General Tolerances		
Weld constr. ISO 5817 Class C	Castings ISO 8062 CT12	Threads ISO 965 6H/6g
Linear and angular dimensions		
Machined with cutting tools (does not include sawing)	ISO 2768-1-m	
Machined with non cutting tools (includes sawing)	ISO 2768-1-v	
Broken edges and angular dimensions	ISO 2768-1-c	

School subject	CAD1/CAD2
Scale	1:1
	PERSTORP TEKNISKA GYMNASIUM
First angle projection	

F2 - Bracket	Aluminum
Part Number	Material
Parts List	
Created by: Jorgen Nilsson	Approved by:
Document type: FUSION 360 Drawing	Approved date:
Title: F2 - Shelf Sheet metal exercise	DWG No.: PG-24219
Rev.: 0	Date of issue: 2024-10-23
Sheet: 1/1	

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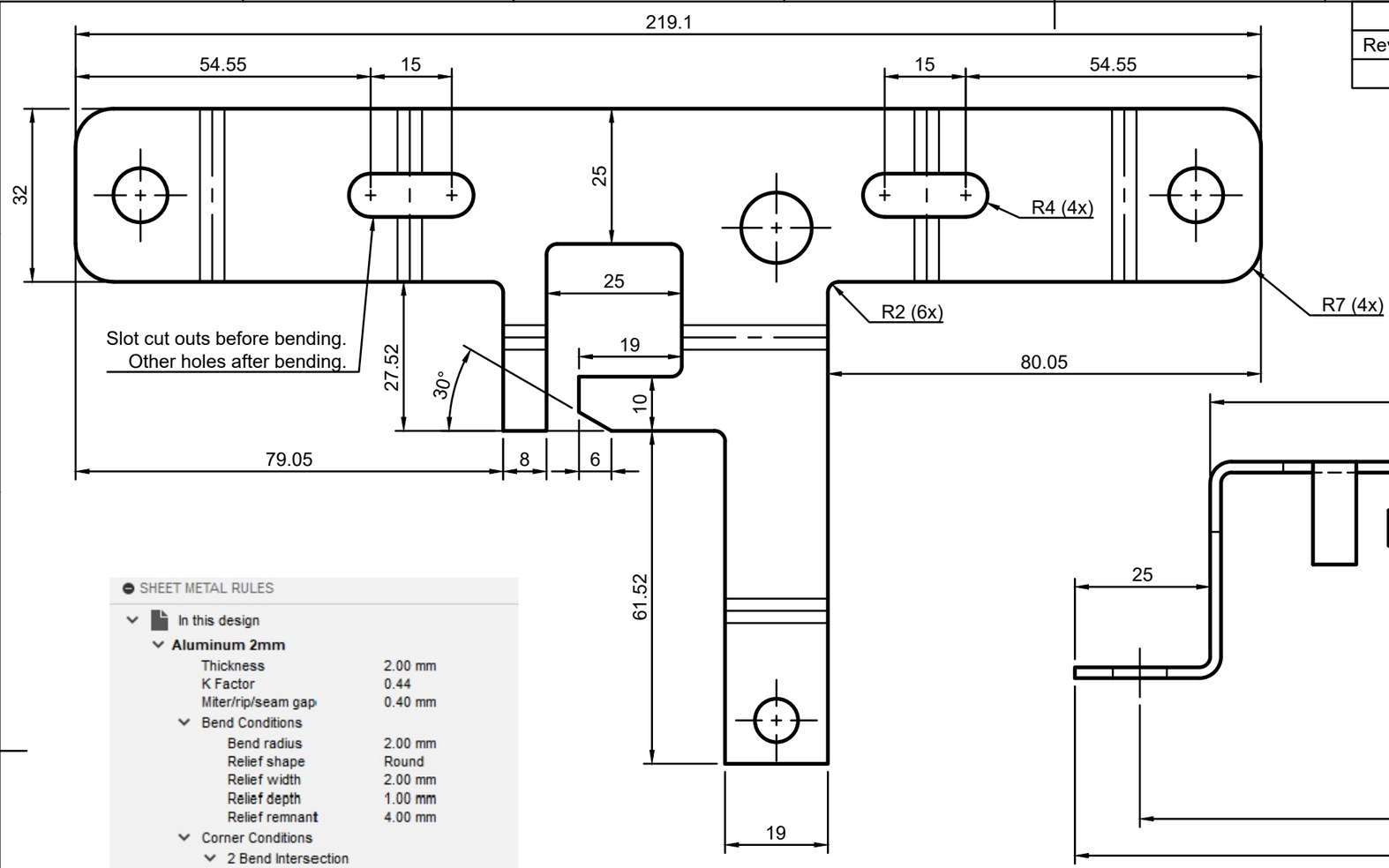
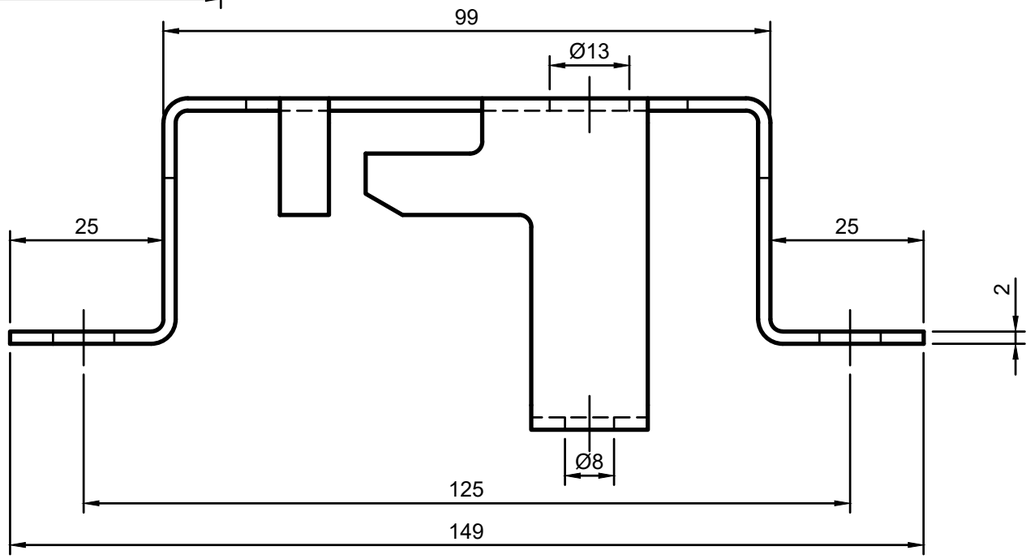
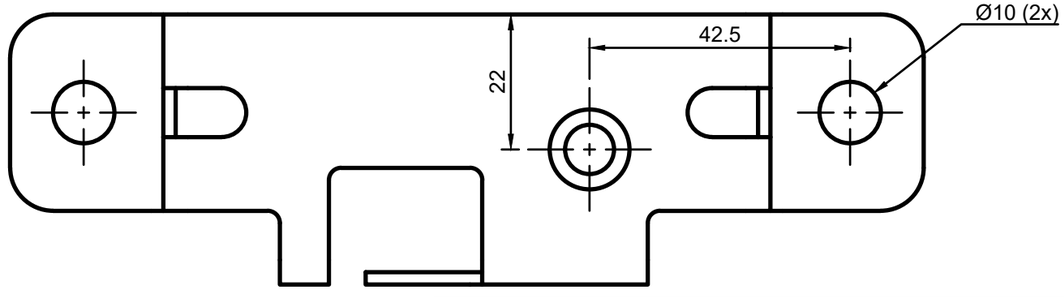
Revision history			
Rev.	Description	Created by	Rev. date

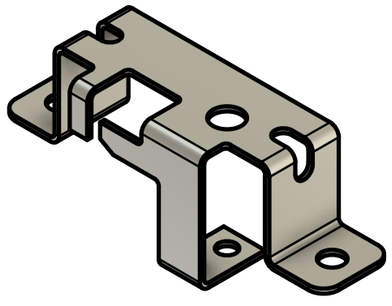






SHEET METAL RULES

- In this design
  - **Aluminum 2mm**
    - Thickness: 2.00 mm
    - K Factor: 0.44
    - Miter/rip/seam gap: 0.40 mm
    - Bend Conditions
      - Bend radius: 2.00 mm
      - Relief shape: Round
      - Relief width: 2.00 mm
      - Relief depth: 1.00 mm
      - Relief remnant: 4.00 mm
    - Corner Conditions
      - 2 Bend Intersection
        - Relief shape: Round
        - Relief size: 8.00 mm
        - Relief placement: Intersection
      - 3 Bend Intersection
        - Relief shape: Full Round
        - Relief radius: 2.00 mm
- Library



Item	Part Number	Material
1	F3 - Safety Clip	Aluminum

Parts List

General Tolerances		
Weld constr. ISO 5817 Class C	Castings ISO 8062 CT12	Threads ISO 965 6H/6g
Linear and angular dimensions		
Machined with cutting tools (does not include sawing)	ISO 2768-1-m	
Machined with non cutting tools (includes sawing)	ISO 2768-1-v	
Broken edges and angular dimensions	ISO 2768-1-c	

School subject: CAD1/CAD2	Scale: 1:1
PERSTORP TEKNISKA GYMNASIUM	
First angle projection	
Created by: Jorgen Nilsson	Approved by:
Document type: FUSION 360 Drawing	Approved date:
Title: F3 - Safety Clip Sheet metal exercise	DWG No.: PG-24220
	Rev.: 0 / Date of issue: 2024-10-31 / Sheet: 1/1

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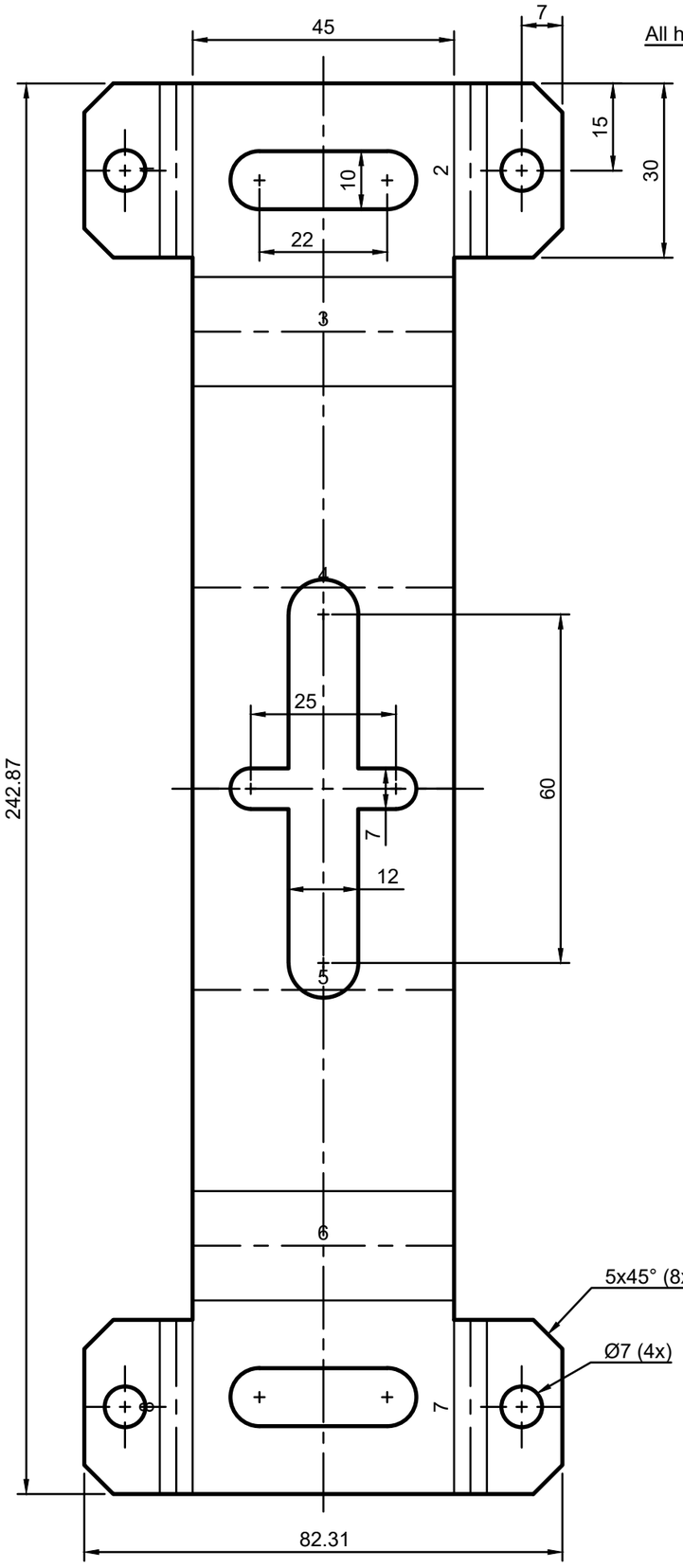
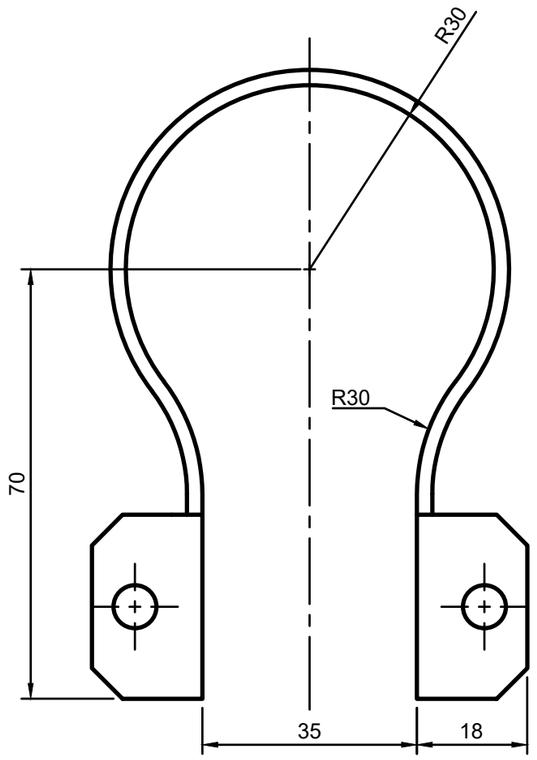
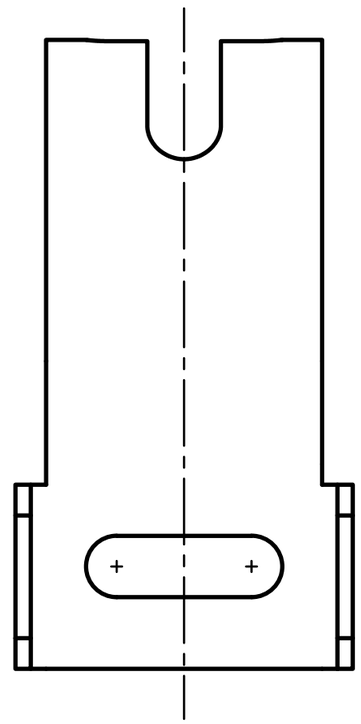
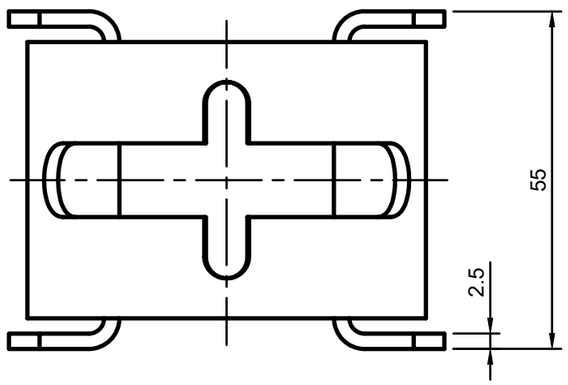
All holes cut before bending.

Revision history			
Rev.	Description	Created by	Rev. date



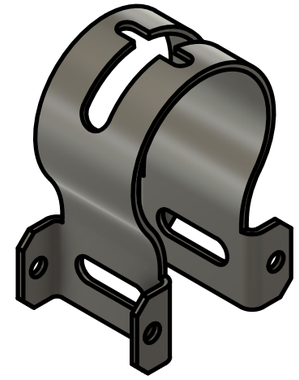






SHEET METAL RULES

- In this design
  - **Steel (mm)**
    - Thickness: 2.50 mm
    - K Factor: 0.44
    - Miter/rip/seam gap: 2.50 mm
    - Bend Conditions
      - Bend radius: 2.50 mm
      - Relief shape: Straight
      - Relief width: 2.50 mm
      - Relief depth: 1.25 mm
      - Relief remnant: 5.00 mm
    - Corner Conditions
      - 2 Bend Intersection
        - Relief shape: Trim to Bend
        - Relief size: 10.00 mm
        - Relief placement: Intersection
      - 3 Bend Intersection
        - Relief shape: Round with Radius
        - Relief radius: 2.50 mm
  - Library



General Tolerances		
Weld constr. ISO 5817 Class C	Castings ISO 8062 CT12	Threads ISO 965 6H/6g
Linear and angular dimensions		
Machined with cutting tools (does not include sawing)	ISO 2768-1-m	
Machined with non cutting tools (includes sawing)	ISO 2768-1-v	
Broken edges and angular dimensions	ISO 2768-1-c	

School subject	Scale
CAD1/CAD2	1:1

PERSTORP TEKNISKA GYMNASIUM

First angle projection

Item	Part Number	Material
1	Clamp ring	Steel

Parts List

Created by: Jorgen Nilsson	Approved by:
Document type: FUSION 360 Drawing	Approved date:
Title: F4 - Clamp ring Sheet metal exercise	DWG No.: PG-24221
	Rev.: 0 / Date of issue: 2024-11-02 / Sheet: 1/1

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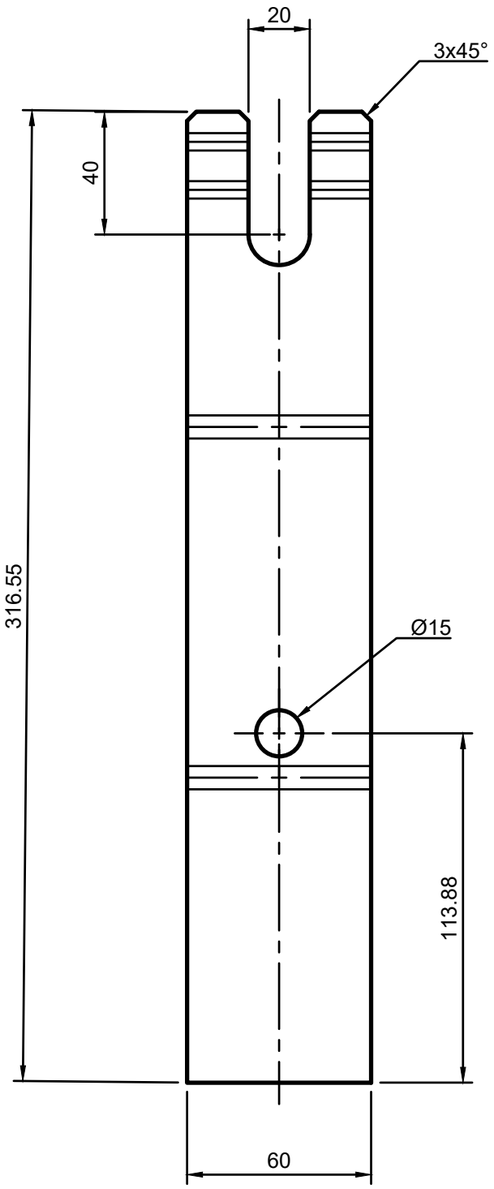
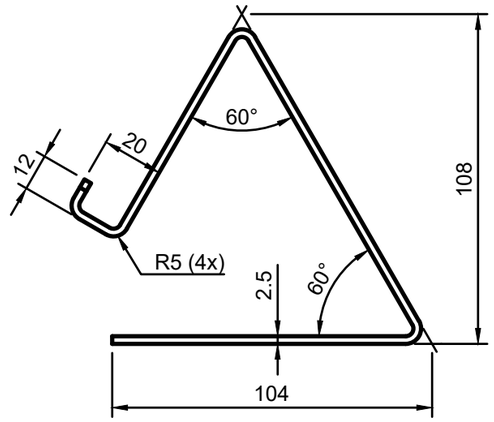
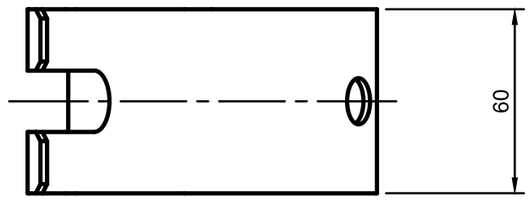
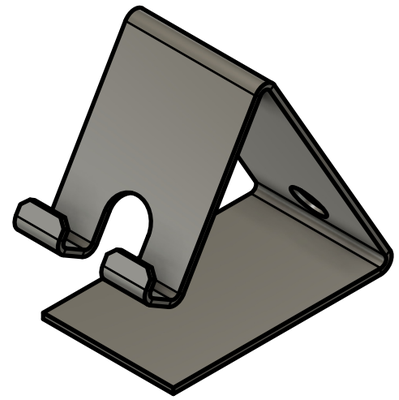
Revision history			
Rev.	Description	Created by	Rev. date









SHEET METAL RULES

- In this design
  - **Steel (mm)**
    - Thickness: 2.50 mm
    - K Factor: 0.44
    - Miter/rip/seam gap: 2.50 mm
  - Bend Conditions
    - Bend radius: 2.50 mm
    - Relief shape: Straight
    - Relief width: 2.50 mm
    - Relief depth: 1.25 mm
    - Relief remnant: 5.00 mm
  - Corner Conditions
    - 2 Bend Intersection
      - Relief shape: Trim to Bend
      - Relief size: 10.00 mm
      - Relief placement: Intersection
    - 3 Bend Intersection
      - Relief shape: Round with Radius
      - Relief radius: 2.50 mm
- Library

General Tolerances		
Weld constr. ISO 5817 Class C	Castings ISO 8062 CT12	Threads ISO 965 6H/6g
Linear and angular dimensions		
Machined with cutting tools (does not include sawing)	ISO 2768-1-m	
Machined with non cutting tools (includes sawing)	ISO 2768-1-v	
Broken edges and angular dimensions	ISO 2768-1-c	

School subject: CAD1/CAD2	Scale: 1:2	Created by: Jorgen Nilsson	Approved by:
PERSTORP TEKNISKA GYMNASIUM		Document type: FUSION 360 Drawing	Approved date:
First angle projection		Title: F5 - Phone stand Sheet metal exercise	DWG No.: PG-24222
			Rev.: 0 / Date of issue: 2024-11-02 / Sheet: 1/1

Item	Part Number	Material
1	F5 - Phone stand	Steel

Parts List