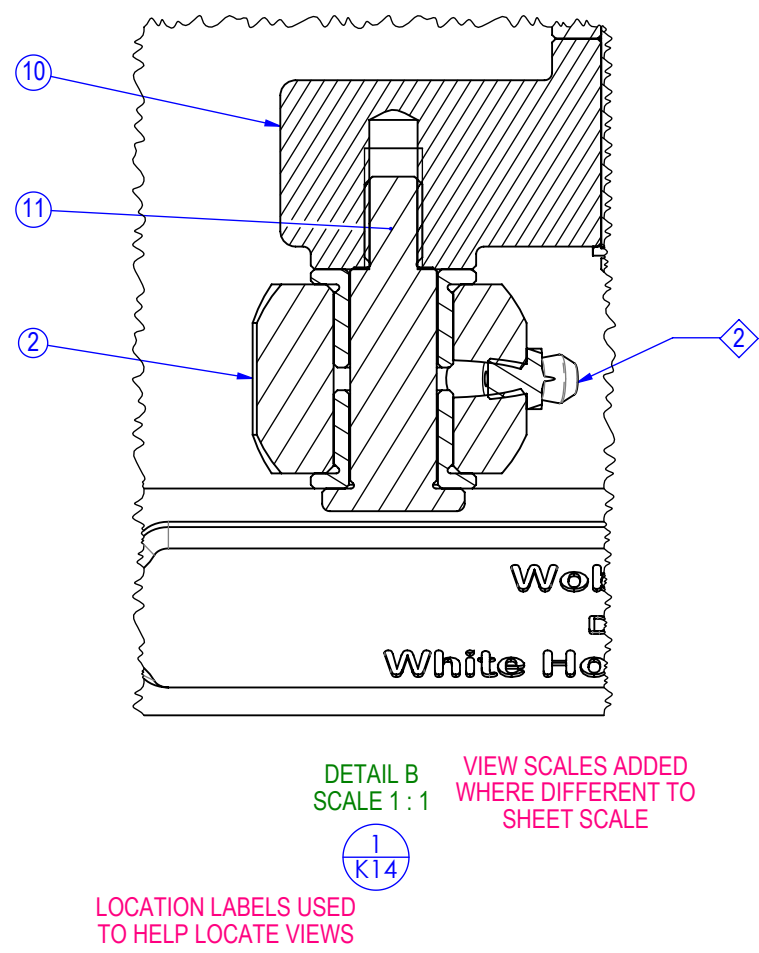
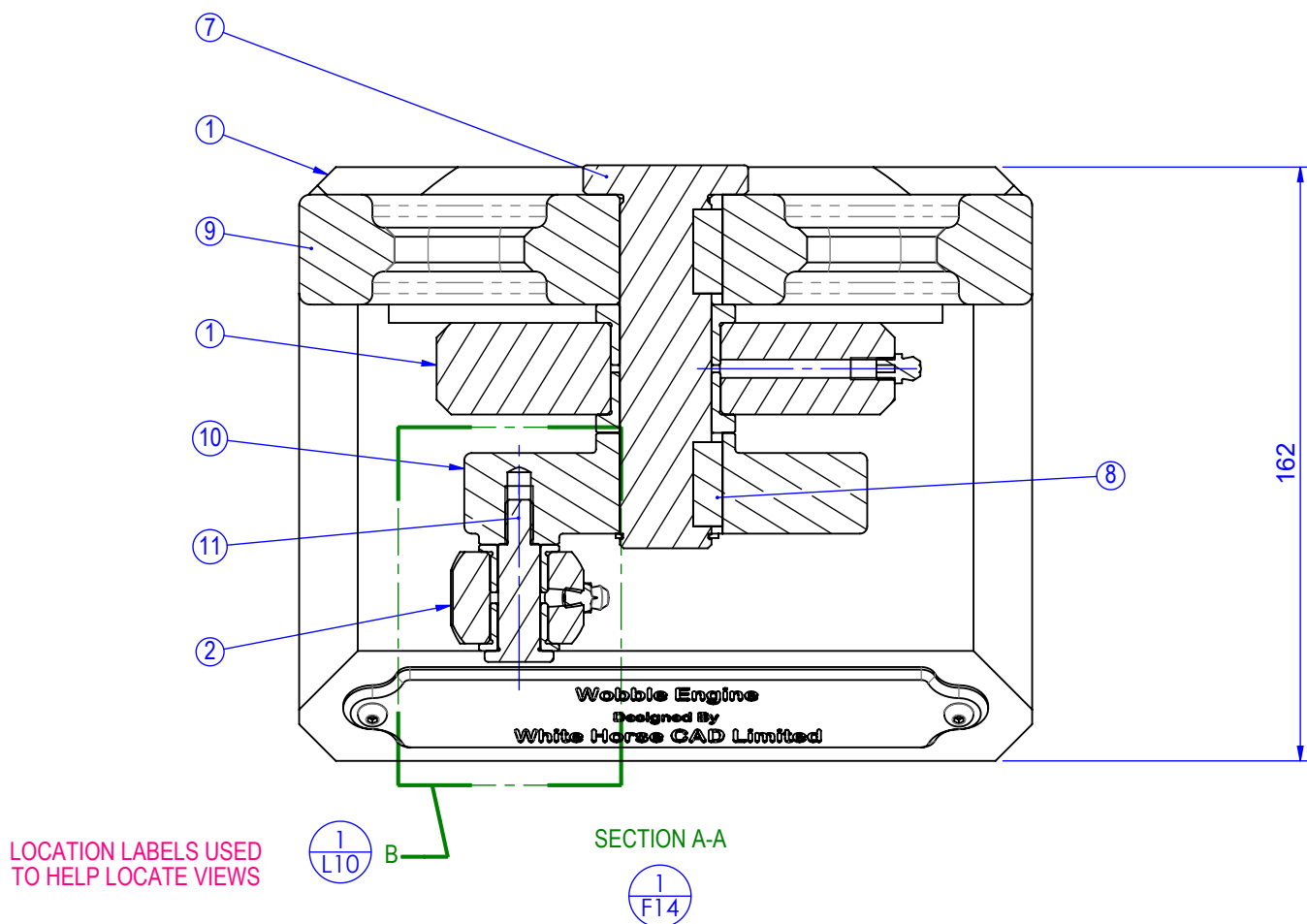


REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN	APPROVED
1	FIRST ISSUE	20-OCT-2021	WHC	TB
2	TOLERANCE ADDED TO HEIGHT	28-OCT-2021	WHC	TB

REVISION TABLE ADDED TO PAGE ONE OF EVERY DRAWING. COLUMNS CAN BE OMITTED OR ADDED AS REQUIRED. FOR EXAMPLE ECN, ZONE ETC.

REVISION CONTROLLED UPDATES WILL BE INDICATED ON THE DRAWING SHEET USING A HEXAGON BALLOON WITH THE REVISION NUMBER
SEE DIMENSION IF LOCATION F16



WHC DRAWING SYSTEM NOTES

1. IF YOU HAVE YOUR OWN SOLIDWORKS DRAWING TEMPLATE AND DRAWING STANDARD WE ARE MORE THAN HAPPY TO USE IT.
2. IF YOU DO NOT HAVE YOUR OWN DRAWING TEMPLATE OR STANDARD WE WILL CREATE ONE FOR YOU BASED ON THIS TEMPLATE (FREE OF CHARGE).
3. IF YOU REQUIRE A BESPOKE TEMPLATE AND DRAWING STANDARD CREATING THIS WILL BE INVOICED AT COST
4. INFORMATION INDICATED WITH THIS FLAG NOTE WILL BE ADDED TO THE PART OR ASSEMBLY MODEL AND IS AUTOMATICALLY POPULATED IN THE DRAWING

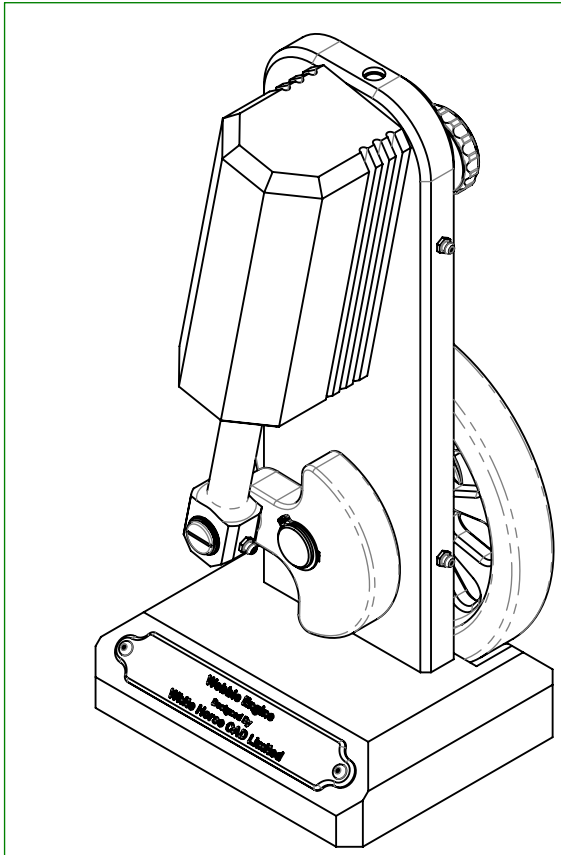
BOM's CAN CONTAIN AS LITTLE OR AS MUCH INFORMATION AS REQUIRED. FOR EXAMPLE WE CAN INCLUDE WEIGHT, FINISH, VENDOR, VENDOR PART NUMBER ETC.

ALL BOM INFORMATION IS PARAMETRICALLY LINKED TO THE PART OR ASSEMBLY

STANDARD PARTS CAN BE ASSIGNED A PART NUMBER TO SUIT OR LEFT BLANK IF REQUIRED

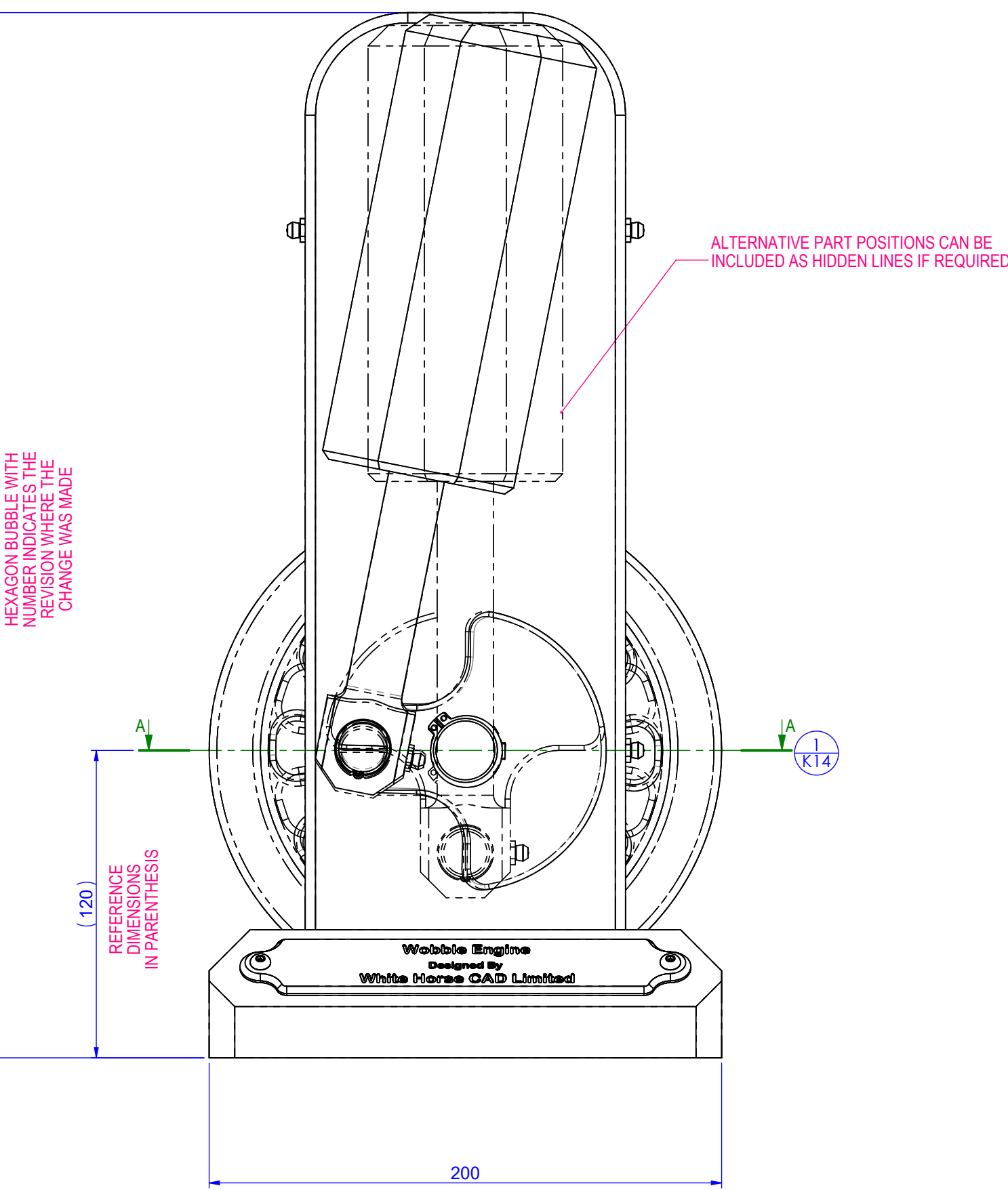
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	P9999-13001	BASE SUB ASSEMBLY	SEE PART DRAWINGS	1
2	P9999-12001	PISTON ASSEMBLY	SEE PART DRAWINGS	1
3	P9999-111101	PISTON BLOCK	EN8 (CARBON STEEL)	1
4	P9999-111102	PISTON BLOCK STUD	EN24T (CARBON STEEL)	1
5	P9999-111103	PISTON BLOCK WASHER	MILD STEEL	1
6	P9999-111104	ADJUSTING NUT	BRASS	1
7	P9999-111105	MAIN SHAFT	EN24T (CARBON STEEL)	1
8	P9999-111106	KEY	EN8 (CARBON STEEL)	2
9	P9999-111107	FLYWHEEL	EN8 (CARBON STEEL)	1
10	P9999-111108	COUNTERBALANCE	EN8 (CARBON STEEL)	1
11	P9999-111109	CONNECTING SCREW	EN24T (CARBON STEEL)	1
12	-	SPRING: 28.5Ø OD 3.5Ø WIRE 38mm FREE LENGTH	STEEL	1
13	-	25mm CIRCLIP	STEEL	1

SOME VIEWS MAY BE BOXED FOR CLARITY

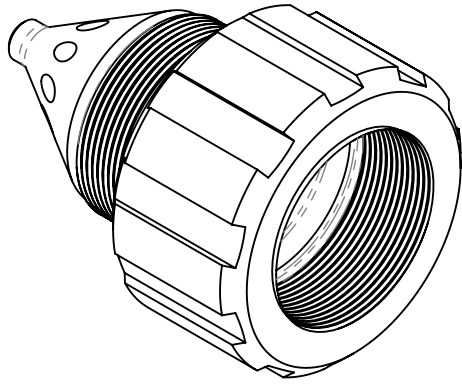


Isometric View
Scale: 1:4

VIEW SCALES ADDED WHERE DIFFERENT TO SHEET SCALE

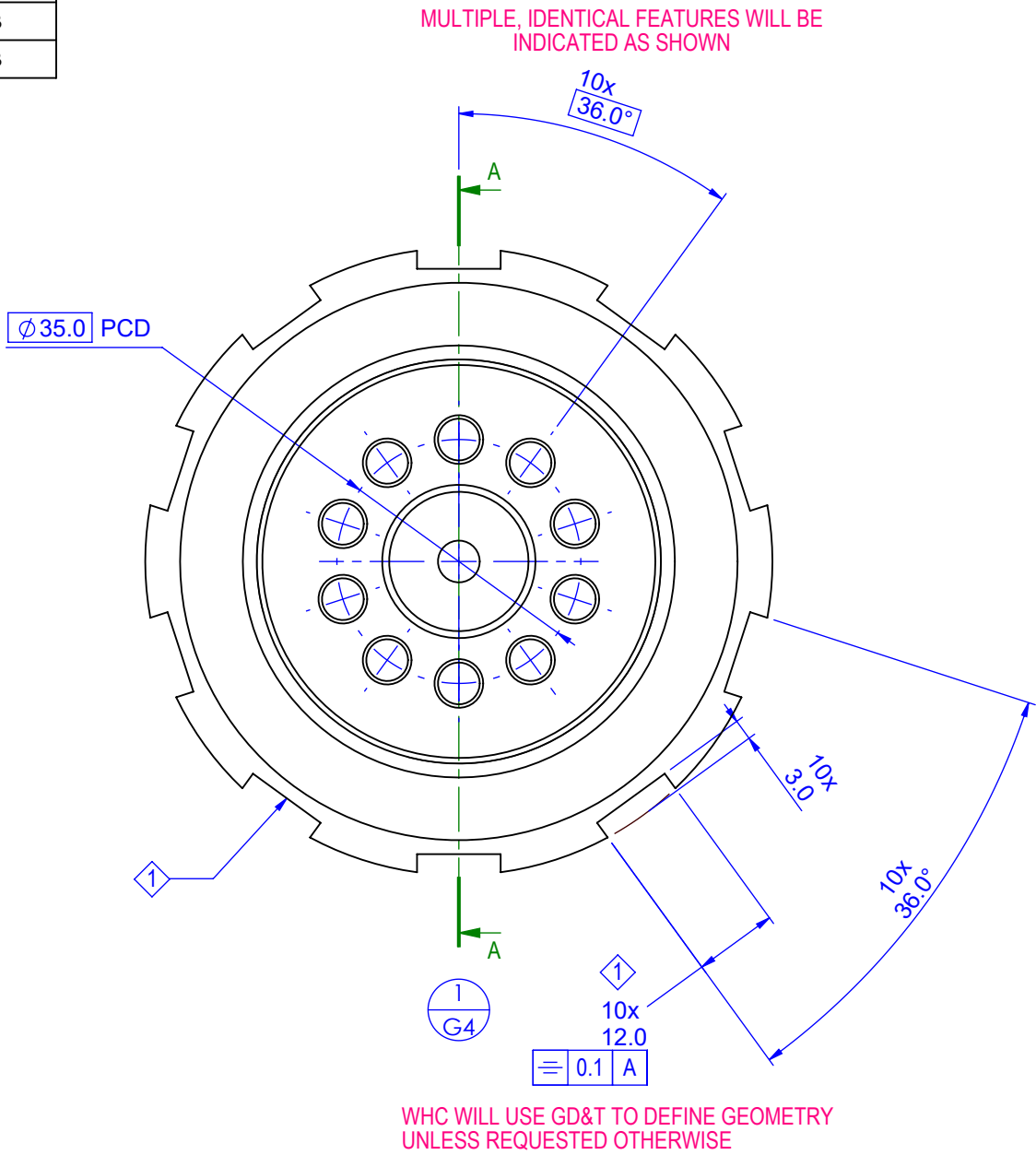


REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN	APPROVED
1	FIRST ISSUE	30-OCT-2020	WHC	TB
2	UPDATED DRAWING STANDARD	28-OCT-2021	WHC	TB

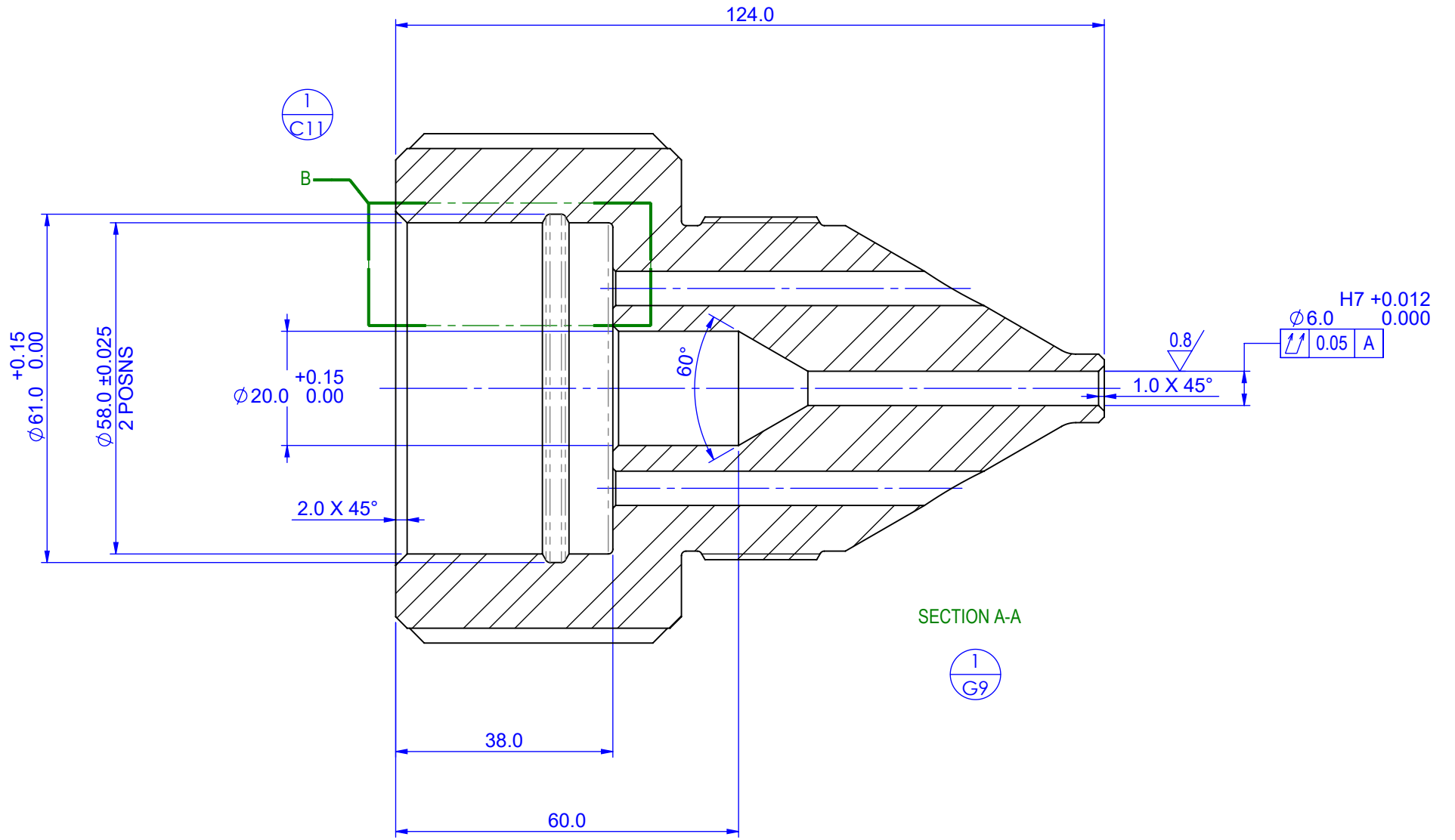


Isometric View
Scale: 1:2

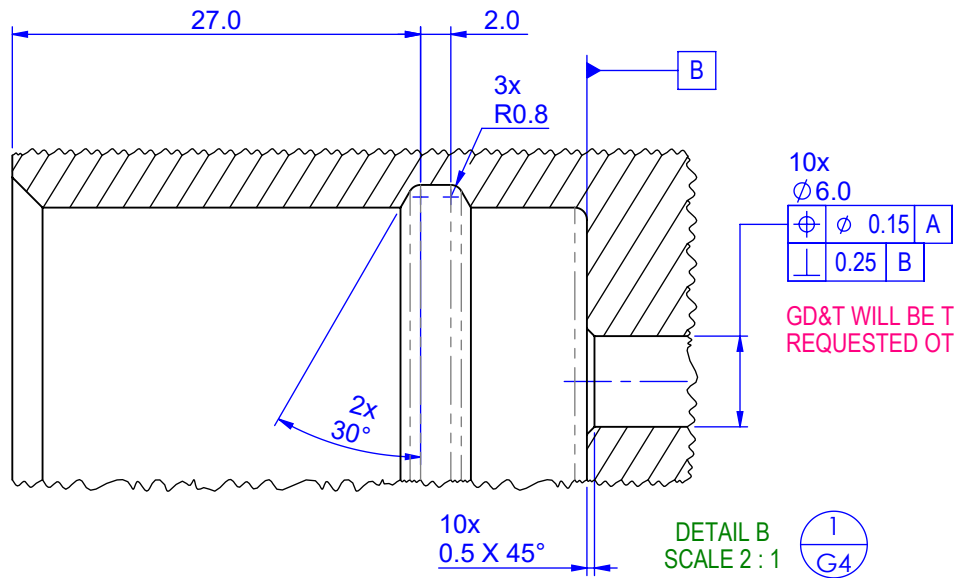
INTERNAL AND EXTERNAL THREADS CAN BE
MODELLED ON COMPONENTS FOR MORE
REALISTIC ISOMETRIC VIEWS IF REQUESTED



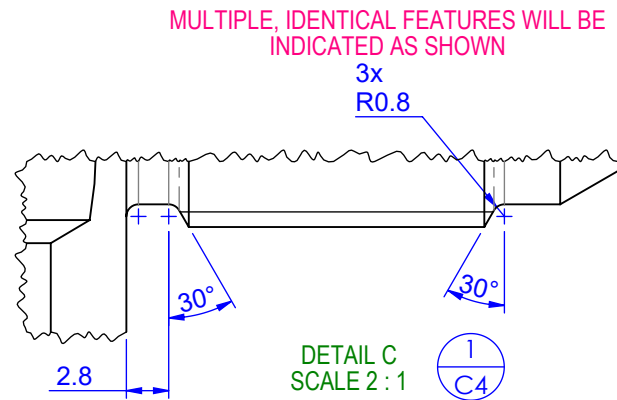
WHC WILL USE GD&T TO DEFINE GEOMETRY
UNLESS REQUESTED OTHERWISE



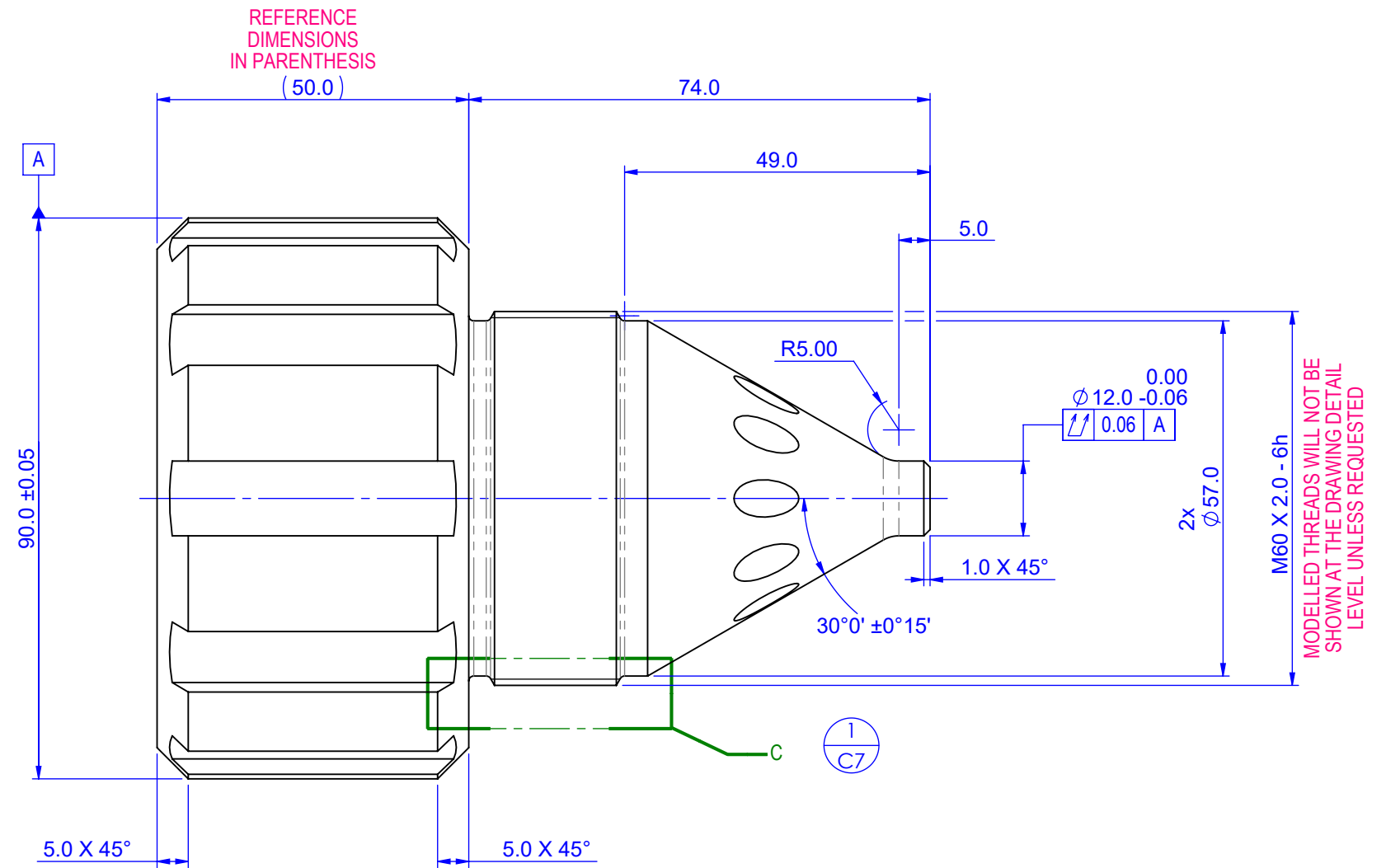
SECTION A-A



DETAIL B
SCALE 2:1



DETAIL C
SCALE 2:1



MODELLED THREADS WILL NOT BE
SHOWN AT THE DRAWING DETAIL
LEVEL UNLESS REQUESTED

FLAG NOTES USED TO INDICATE RELEVANT NOTES

NOTE

- 1 ALIGNMENT WITH HOLES NOT REQUIRED
2 MANUFACTURE USING STEP FILE OF SAME REVISION: P9999-20001 REV 2

WHC RECOMMENDS REFERRING THE
MANUFACTURER TO A 3D FILE FOR ALL NON
CRITICAL FEATURES IN A COMPONENT.

IN THIS CASE WHC MAY NOT DIMENSION AND
TOLERANCE EVERY FEATURE

FEATURES SIZES FROM A 3D FILE WILL REVERT
TO UNSPECIFIED DIMENSION TEXT IN TITLE
BLOCK

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www.whitehorsecad.com



Material: **Stainless Steel 316L**

Material Standard: (If Required)

1.4404

Finish:

As Machined

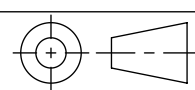
Project:

WHC EXAMPLES

Title:

HIGH PRESSUE CONNECTOR

THIRD
ANGLE
PROJECTION



Unspecified Dimensions
Linear: $\pm 0.1\text{mm}$
Angular: $\pm 0.5^\circ$
Other: $\pm 0.1\text{mm}$

Drawing Number

P9999-20001

All Dimensions in mm

DO NOT SCALE

Paper Size

A2

Scale

1:1

Sheet

1 of 1

Rev

2

Name

WHC

Drawn

TB

Checked

TB

Approved

TB

Date

28-Oct-2021

Date

28-Oct-2021

Date

28-Oct-2021

Date

28-Oct-2021

Weight

2.32Kg

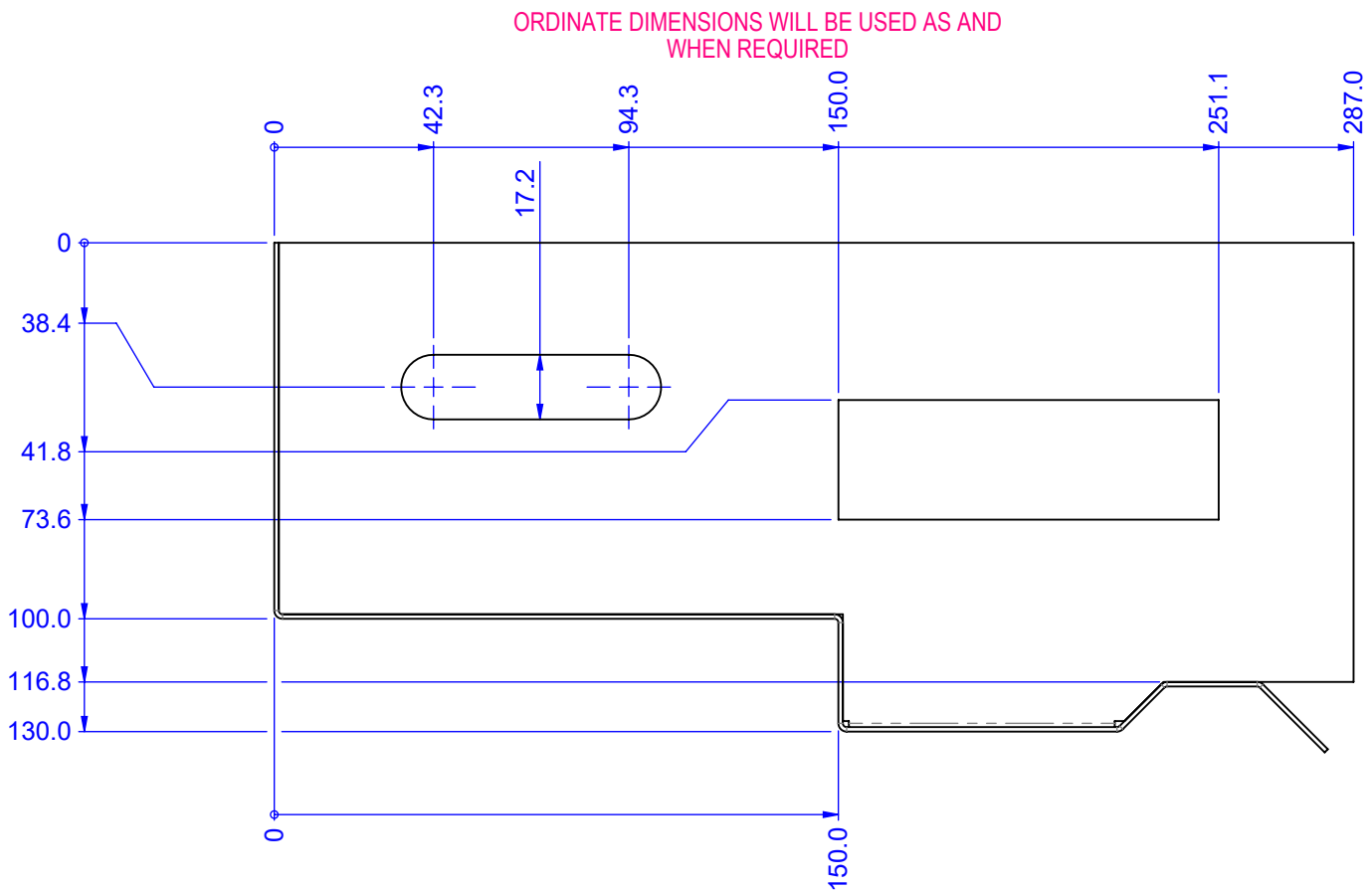
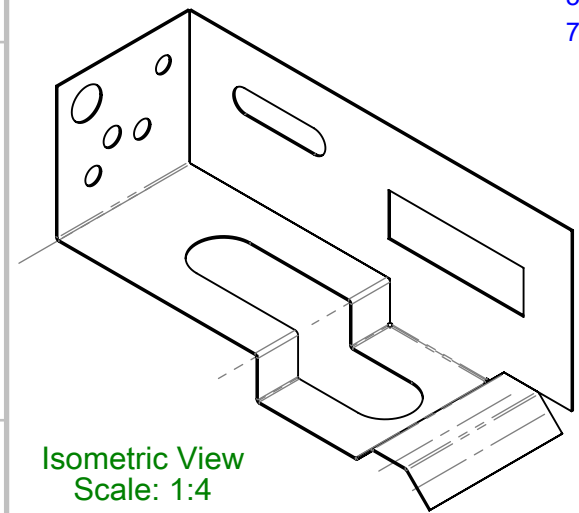
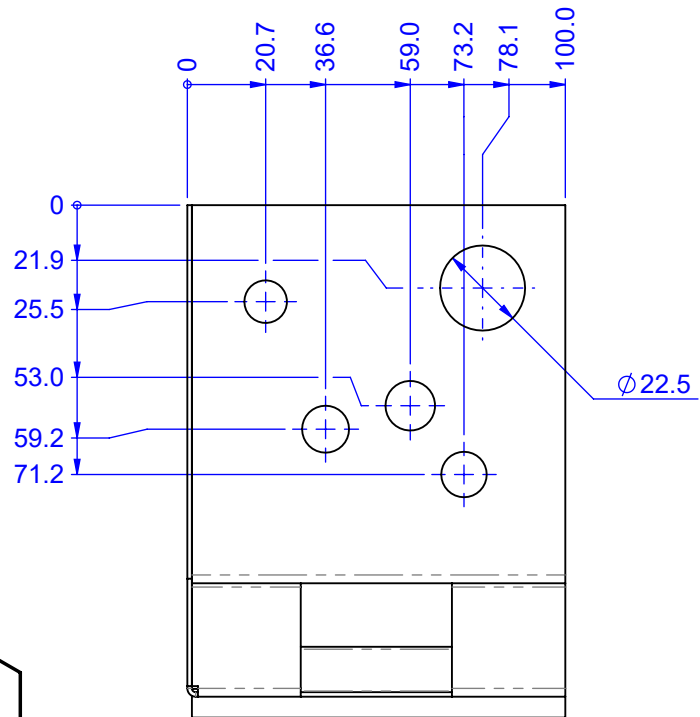
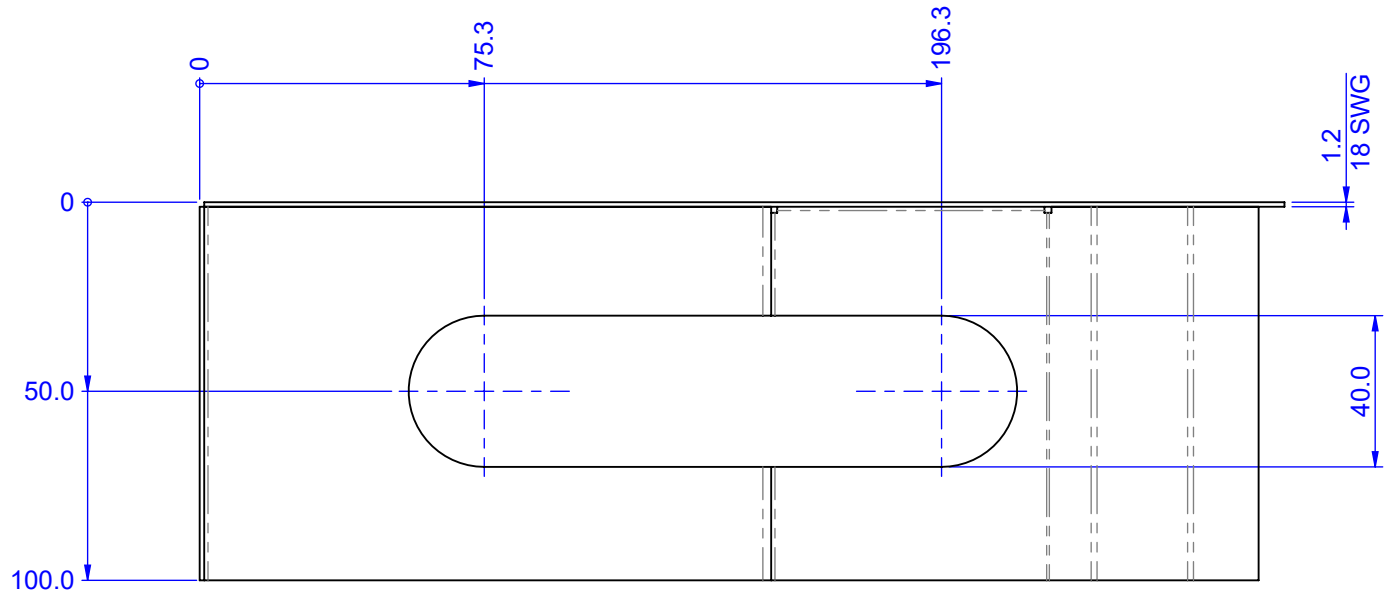
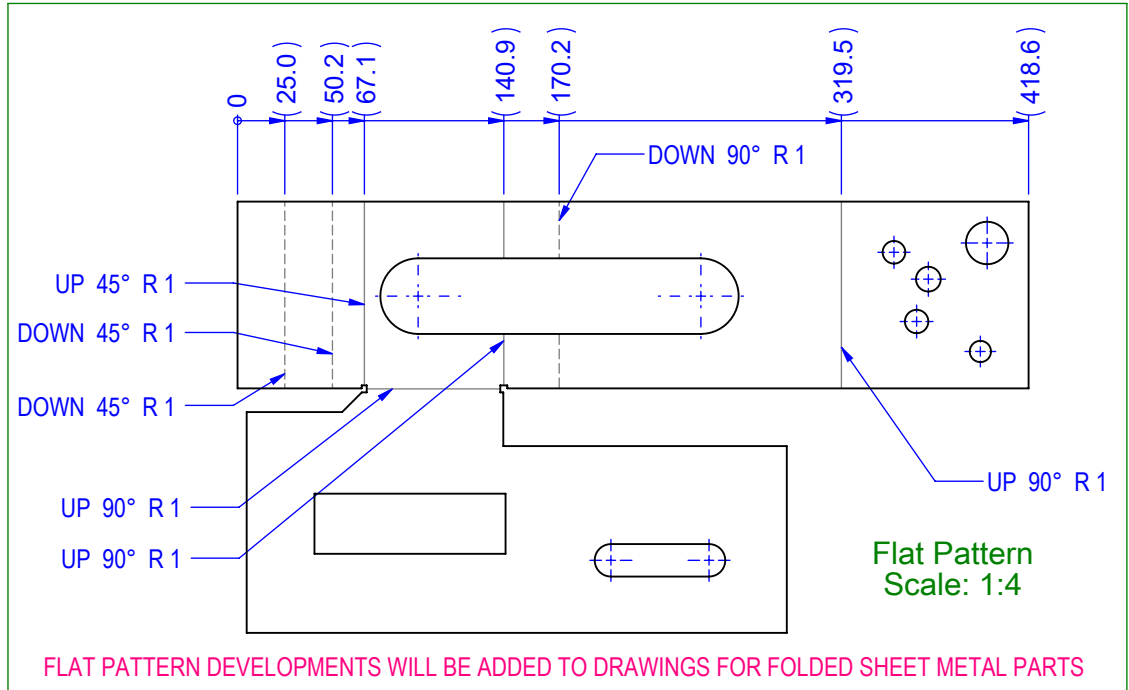
Surface Finish:

General: (Ra) 1.6 μm

REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN	APPROVED
1	FIRST ISSUE	28-OCT-2021	WHC	TB

NOTE
1. MANUFACTURE USING STEP FILE OF SAME REVISION: P9999-20002 REV 1

WHC RECOMMENDS REFERRING THE
MANUFACTURER TO A 3D FILE FOR ALL NON
CRITICAL FEATURES IN A COMPONENT.



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Material: CR4 Mild Steel

Material Standard: (If Required)
N/A

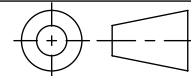
Finish:
N/A

Project: WHC Examples
Title: Cover

All Dimensions in mm
DO NOT SCALE

Unspecified Dimensions
Linear: $\pm 0.1\text{mm}$
Angular: $\pm 0.5^\circ$
Other: $\pm 0.1\text{mm}$

THIRD
ANGLE
PROJECTION



Drawing Number
P9999-20002

Paper Size
A3

Scale
1:2

Sheet
1 of 1

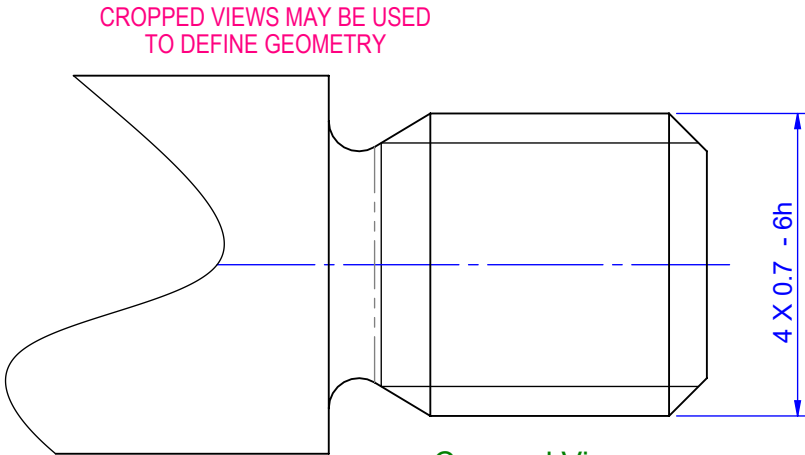
Rev
1

	Name	Date
Drawn	WHC	28-Oct-2021
Checked	TB	28-Oct-2021
Approved	TB	28-Oct-2021

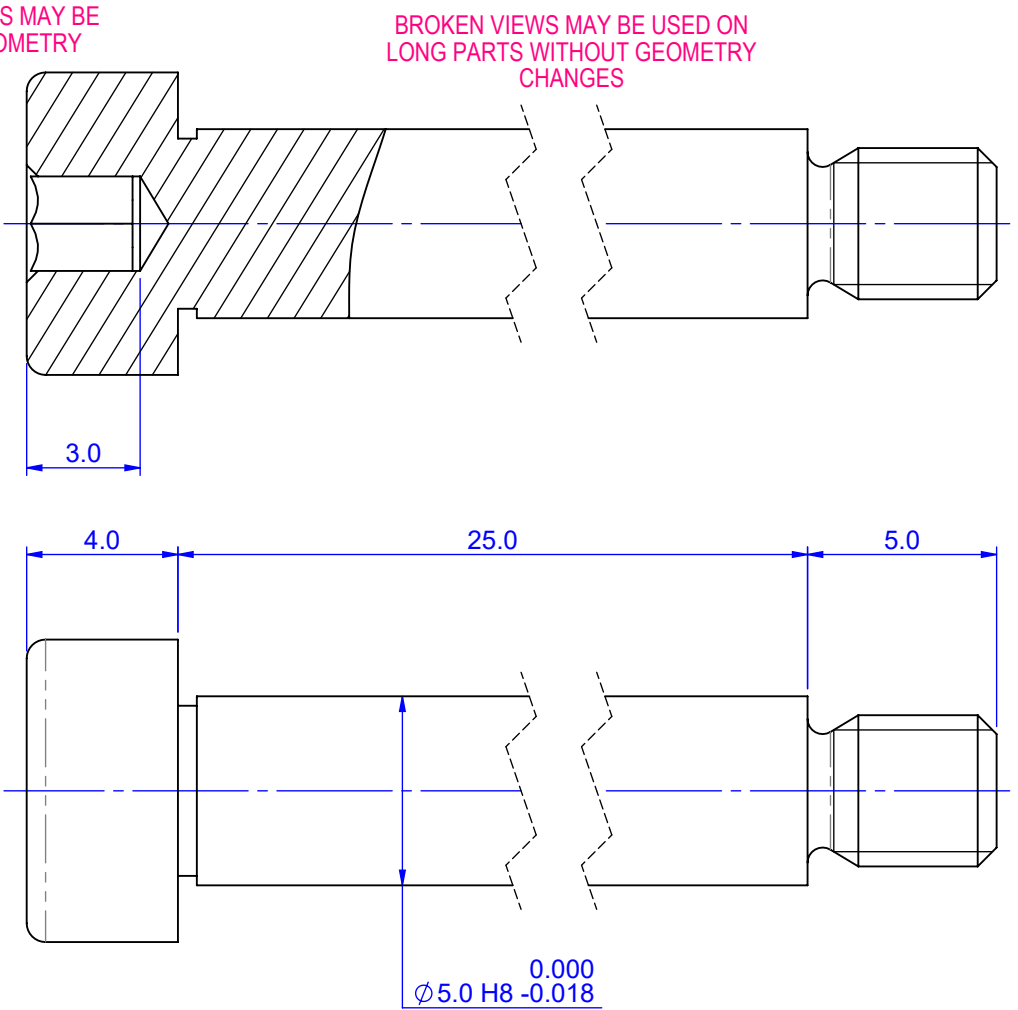
Weight
566.79g

Surface Finish:
General: (Ra) 1.6 μm

REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN	APPROVED
1	FIRST ISSUE	28-OCT-2021	WHC	TB



Cropped View
Scale: 10:1





0.000
Ø5.0 H8 -0.018

TEXT POSITION MAY BE
ROTATED TO ASSIST
PLACEMENT

THE SAME TEXT SIZE IS USED ACROSS ALL
DRAWING SHEET SIZES (A4 - A1) SO THAT IS
IT EASY TO READ WHEN PRINTED AT THE
CORRECT SIZE.

A1 DRAWINGS PRINTED ON A4 WILL BE
DIFFICULT TO READ

White Horse CAD Ltd Design Rights 2021 Tel: +44 (0) 1373 801 803 www.whitehorsecad.com		Material: Stainless Steel 316 A4		Project:		Drawing Number		Scale	Rev		Name	Date	Weight
				Title: M4 X 25 Shoulder Bolt		M4-SHB-003		5:1	1	Drawn	WHC	28-Oct-2021	5.82g
		Material Standard: (If Required)	Finish:	All Dimensions in mm DO NOT SCALE	Unspecified Dimensions Linear: ±0.1mm Angular: ±0.5° Other: ±0.1mm	THIRD ANGLE PROJECTION		Paper Size A4	Sheet 1 of 1	Checked	TB	28-Oct-2021	Surface Finish: General: (Ra) 1.6 µm
										Approved	TB	28-Oct-2021	