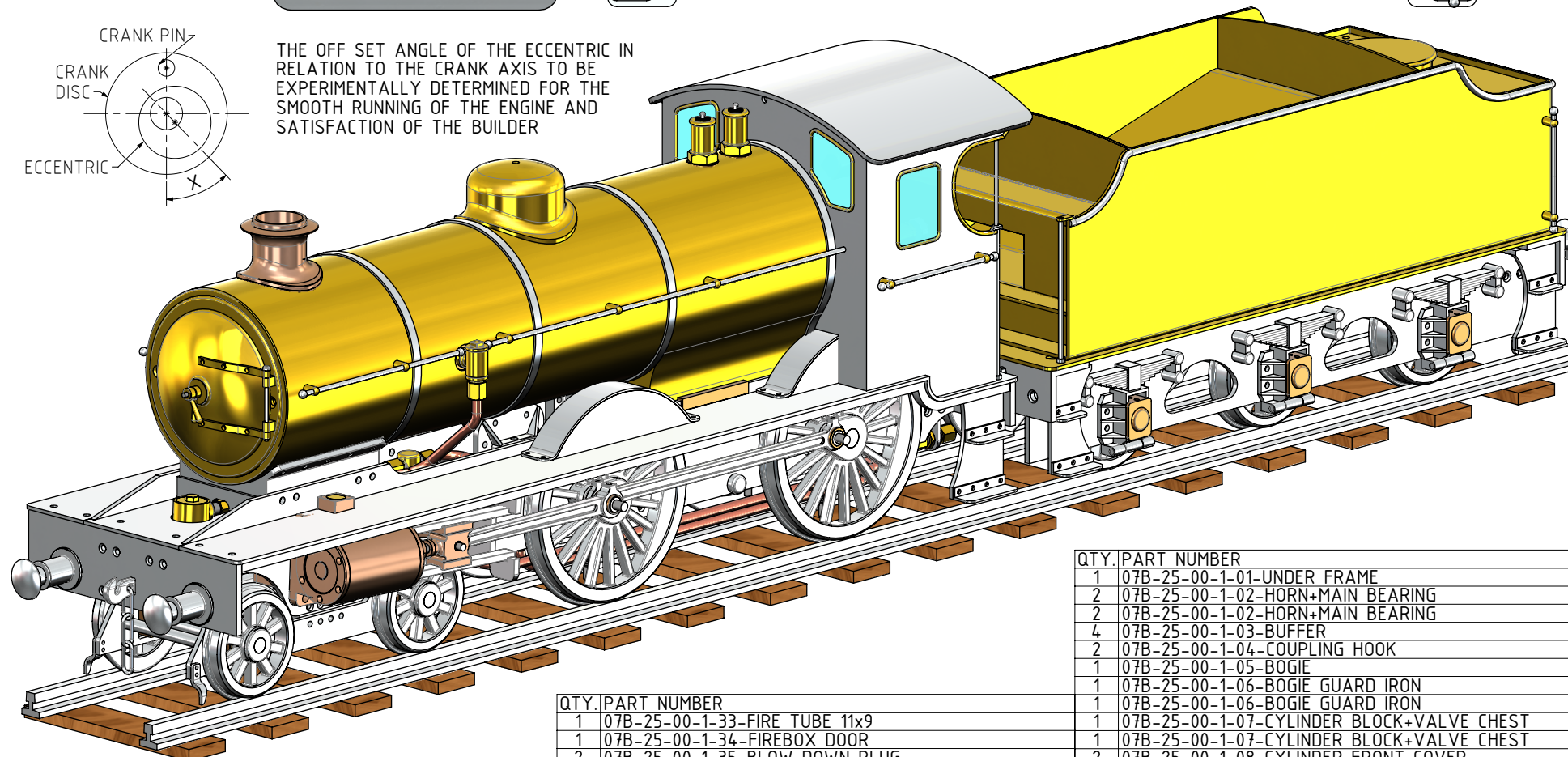


THE OFF SET ANGLE OF THE ECCENTRIC IN RELATION TO THE CRANK AXIS TO BE EXPERIMENTALLY DETERMINED FOR THE SMOOTH RUNNING OF THE ENGINE AND SATISFACTION OF THE BUILDER



**IMPORTANT NOTE:**  
BEFORE STARTING: IT IS STRONGLY ADVISED THAT THE BOILER AS SHOWN ON THESE DRAWINGS SHOULD BE INSPECTED BY AN AUTHORISED PROFESSIONAL ENGINEER AND THE WORKING AND MAXIMUM BOILER PRESSURE TO BE CALCULATED. MAKE SURE THE BOILER FULLY COMPLIES WITH THE LOCAL RULES AND REGULATIONS OF MODEL BOILERS. A COMPLIANCE AND SAFETY/TEST CERTIFICATE SHOULD BE OBTAINED.

DUE TO THE LACK OF INFORMATION ON THE ORIGINAL DRAWING(S), SUCH AS VIEWS, DIMENSIONS, SECTIONS ETC AND/OR CLARITY OF COMPONENTS, OMITTED PARTS/COMPONENTS, SOME OF THE COMPONENTS MIGHT NOT BE AS CONSTRUCTED ORIGINALLY OR AS THE ORIGINAL DESIGNER INTENDED

QTY.	PART NUMBER
1	07B-25-00-1-56-BLOWER PIPE
1	07B-25-00-1-56-SIDE BOILER N.R.V WATER FEED PIPE
1	07B-25-00-1-57-MECH.PUMP WATER FEED PIPE
1	07B-25-00-1-58-FROM M.P. TO N.R. BRANCH VALVE
1	07B-25-00-1-59-HAND PUMP FEED PIPE
1	07B-25-00-1-60-TENDER M.P. FEED PIPE
1	07B-25-00-1-61-HAND PUMP
1	07B-25-00-1-62-TENDER HAND PUMP DISCHARGE PIPE
2	07B-25-00-2-01-BOGIE WHEEL SET
3	07B-25-00-2-02-TENDER WHEEL SET
1	07B-25-00-2-03-LOCO WHEEL SET
1	07B-25-00-2-03-LOCO WHEEL SET
2	07B-25-00-2-04-COUPLING ROD
2	07B-25-00-2-05-PISTON+CROSSHEAD
1	07B-25-00-2-06-CON-ROD
1	07B-25-00-2-06-CON-ROD
2	07B-25-00-2-07-SLIDE VALVE
1	07B-25-00-2-08-MECH. PUMP ECCENTRIC SHEAVE
1	07B-25-00-2-09-MECH. PUMP PLUNGER
1	07B-25-00-2-10-MECH.PUMP ECCENTRIC STRAP
2	07B-25-00-2-11-STOP COLLAR
2	07B-25-00-2-12-SLIDE VALVE ECCENTRIC SHEAVE
2	07B-25-00-2-13-SLIDE VALVE ECCENTRIC STRAP
1	07B-25-00-M64mm-RAIL

QTY.	PART NUMBER
1	07B-25-00-1-33-FIRE TUBE 11x9
1	07B-25-00-1-34-FIREBOX DOOR
2	07B-25-00-1-35-BLOW DOWN PLUG
5	07B-25-00-1-36-NIPPLE M6x4+NUT
1	07B-25-00-1-37-SMOKE BOX
1	07B-25-00-1-38-PETTICOAT PIPE
1	07B-25-00-1-39-CHIMNEY
1	07B-25-00-1-40-RUNNING BOARD
1	07B-25-00-1-40-RUNNING BOARD
1	07B-25-00-1-41-FRONT FOOTPLATE
1	07B-25-00-1-42-REAR FOOTPLATE
1	07B-25-00-1-43-ASHPAN+GRATE
1	07B-25-00-1-44-DRIVERS CABIN
1	07B-25-00-1-45-BOILER CLADDING
1	07B-25-00-1-46-STEAM DOME
1	07B-25-00-1-47-BOILER HAND RAIL
1	07B-25-00-1-47-BOILER HAND RAIL
1	07B-25-00-1-48-CABIN STEP
1	07B-25-00-1-48-CABIN STEP
2	07B-25-00-1-49-CABIN SIDE HAND RAIL
1	07B-25-00-1-50-TENDER UNDER FRAME
6	07B-25-00-1-51-TENDER LEAFSPRING+HORN
1	07B-25-00-1-52-COAL+WATER BUNKER
2	07B-25-00-1-53-TENDER STEP
2	07B-25-00-1-53-TENDER STEP
2	07B-25-00-1-54-TENDER SIDE HAND RAIL
1	07B-25-00-1-55-TENDER GUARD IRON
1	07B-25-00-1-55-TENDER GUARD IRON

QTY.	PART NUMBER
1	07B-25-00-1-01-UNDER FRAME
2	07B-25-00-1-02-HORN+MAIN BEARING
2	07B-25-00-1-02-HORN+MAIN BEARING
4	07B-25-00-1-03-BUFFER
2	07B-25-00-1-04-COUPLING HOOK
1	07B-25-00-1-05-BOGIE
1	07B-25-00-1-06-BOGIE GUARD IRON
1	07B-25-00-1-06-BOGIE GUARD IRON
1	07B-25-00-1-07-CYLINDER BLOCK+VALVE CHEST
1	07B-25-00-1-07-CYLINDER BLOCK+VALVE CHEST
2	07B-25-00-1-08-CYLINDER FRONT COVER
2	07B-25-00-1-09-CYLINDER REAR COVER
1	07B-25-00-1-10-MOTION BRACKET
1	07B-25-00-1-10-MOTION BRACKET
1	07B-25-00-1-11-EXHAUST PIPES
1	07B-25-00-1-12-CYLINDER STEAM INLET PIPE
1	07B-25-00-1-13-SMOKEBOX SADDLE
1	07B-25-00-1-14-DIPLACEMENT LUBRICATOR
1	07B-25-00-1-15-BOILER
6	07B-25-00-1-16-BUSH M6x9x11
4	07B-25-00-1-17-BUSH M8x11x13
1	07B-25-00-1-18-DOME BUSH D10x18x20
1	07B-25-00-1-19-BLOWER NIPPLE
1	07B-25-00-1-20-SOLID LONGITUDINAL STAY
1	07B-25-00-1-21-BLOWER VALVE
2	07B-25-00-1-22-SAFETY VALVE
1	07B-25-00-1-23-STEAM MANIFOLD
2	07B-25-00-1-24-NON RETURN VALVE
23	07B-25-00-1-25-M6x4 PIPE NUT
1	07B-25-00-1-26-NON RETURN BRANCH VALVE
1	07B-25-00-1-27-WATER LEVEL GAUGE
1	07B-25-00-1-28-REGULATOR
1	07B-25-00-1-29-SUPER HEATER CONNECTION BOX
1	07B-25-00-1-30-FIRE BOX
6	07B-25-00-1-31-FIRE TUBE 9.5x8
1	07B-25-00-1-32-FIRE TUBE 19x17

NOTES: THE ORIGINAL DRAWINGS AND ARTICLES WERE DOWNLOADED AROUND 15 YEARS AGO. THE DESIGN AND ORGINAL DRAWINGS WERE BY MARTIN EVANS, AND PUBLISHED IN "MODEL MECHANICS" MAGAZINE FROM 1979 AND 1980

TITLE  
A COAL FIRED 4-4-0 STEAM LOCOMOTIVE CALLED "EAGLE" FOR 2.5"/64mm GAUGE

DRAWING CONTENTS  
GENERAL ARRANGEMENT, ISOMETRIC VIEW, BILL OF MATERIAL, NOTES

PROJECT No 07B-25-00  
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PROJECTION  
DATE OCTOBER 2024  
SHEET: 02 OF 11  
JDWDS  
MODEL SCALE: 1:22.5  
DWG SCALE: 1:1 @A3 OR AS SHOWN  
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A3 No:07B-25-00-SHT02

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