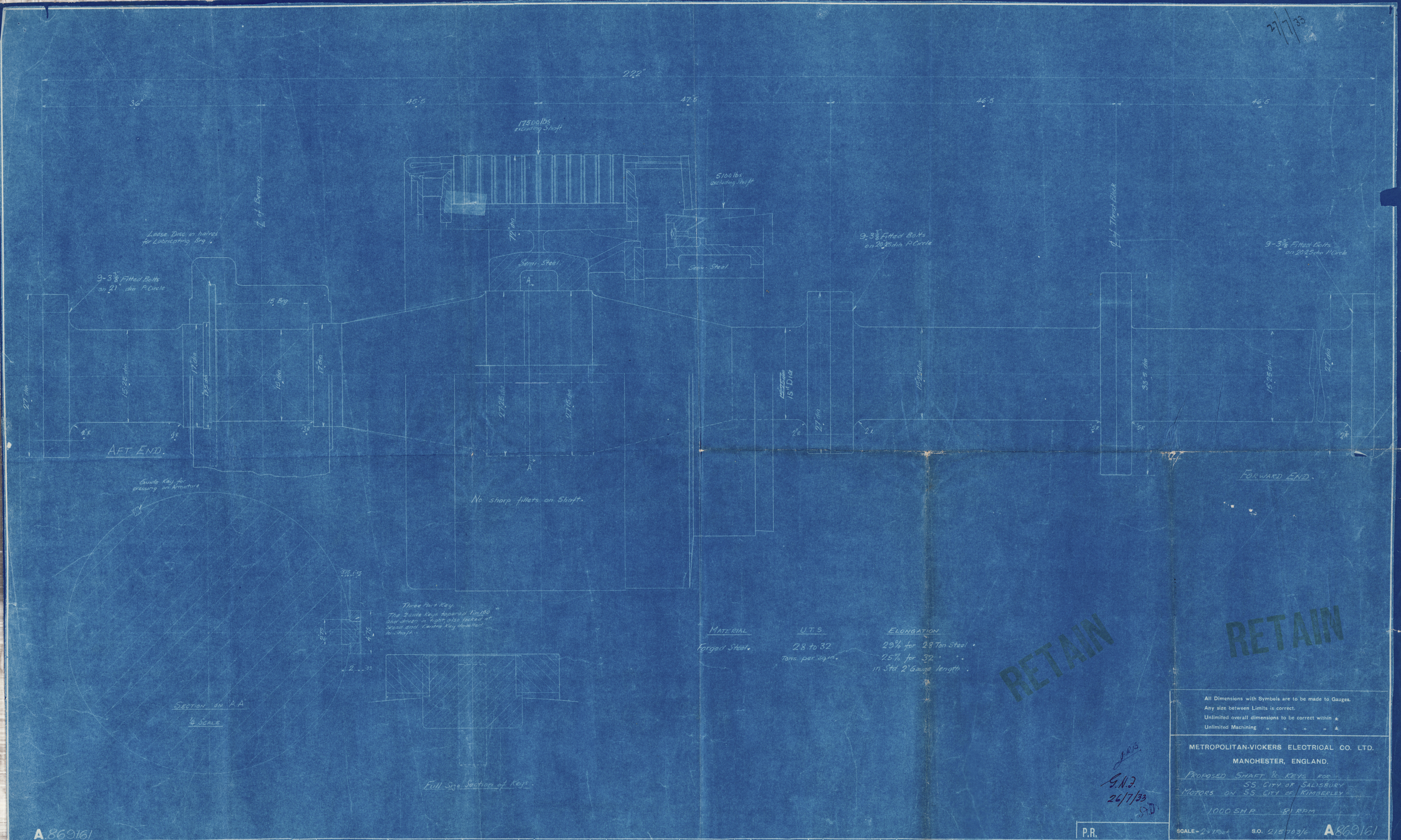

27/7/33
222"
36"
45.5
47.5
46.5
46.5
17500 lbs excluding Shaft
5100 lbs excluding Shaft
℄ of Bearing
Loose Disc in halves for Lubricating Brg.
9-3 3/8" Fitted Bolts on 21" dia P. Circle
9-3 3/8" Fitted Bolts on 20.25 dia P. Circle
9-3 3/8" Fitted Bolts on 20.25 dia P. Circle
Semi-Steel
Semi-Steel
℄ of Thrust Block
15" Brg.
15" Dia
27" dia
15.25 dia
17" dia
17.5 dia
15" dia
27.25 dia
27.75 dia
33.5 dia
AFT END.
FORWARD END.
No sharp fillets on Shaft.
Guide Key for pressing on Armature
Three Part Key
The 2 side keys tapered 1 in 100 and driven in tight, also locked at broad end. Centre Key dowelled to Shaft.
Section on A.A.
1/4 Scale
Full Size Section of Keys.
MATERIAL
Forged Steel.
U.T.S.
28 to 32
Tons per sq. in.
ELONGATION
29% for 28 Ton Steel.
25% for 32 " "
in Std 2" Gauge length.
RETAIN
RETAIN
All Dimensions with Symbols are to be made to Gauges.
Any size between Limits is correct.
Unlimited overall dimensions to be correct within ±
Unlimited Machining " " " " ±
METROPOLITAN-VICKERS ELECTRICAL CO. LTD.
MANCHESTER, ENGLAND.
PROPOSED SHAFT & KEYS FOR
SS CITY OF SALISBURY
MOTORS ON SS CITY OF KIMBERLEY
1000 SHP 81 RPM
SCALE - 2" = 1 Foot
S.O. 215703/6
A869161
P.R.
G.N.J.
26/7/33
A869161
1
Date 27-5-33
Checked
Drg. Appd.
Design Appd.
2
Date 24-7-33
Checked
Drg. Appd.
Design Appd.
Drawing Issued by
Plant D.O.
Dia of Arm Shaft adjacent to Thrust Shaft was 15.25 Dia