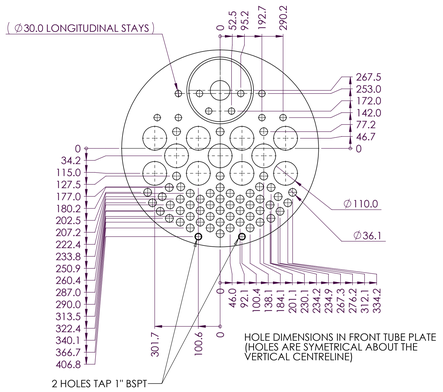
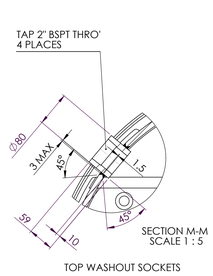
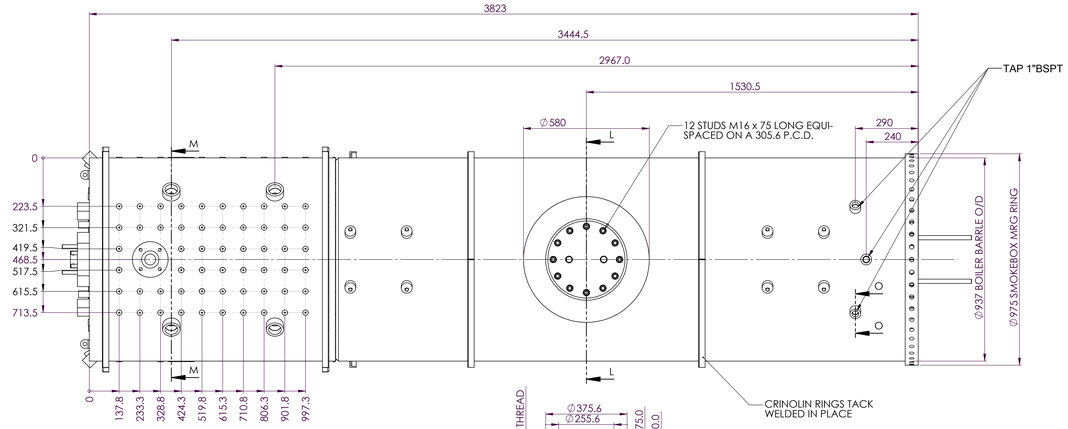
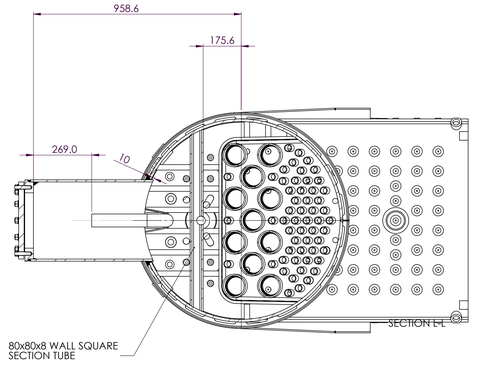
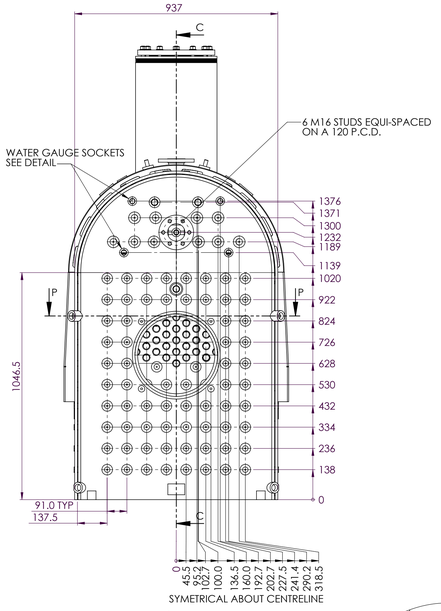
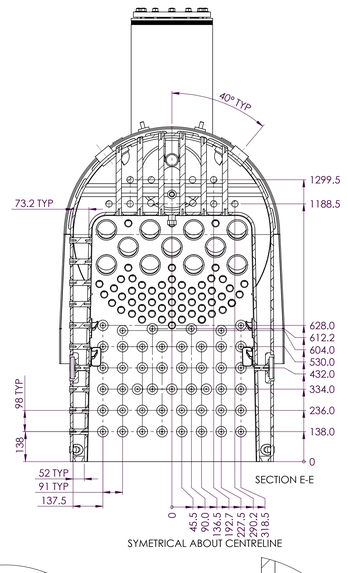


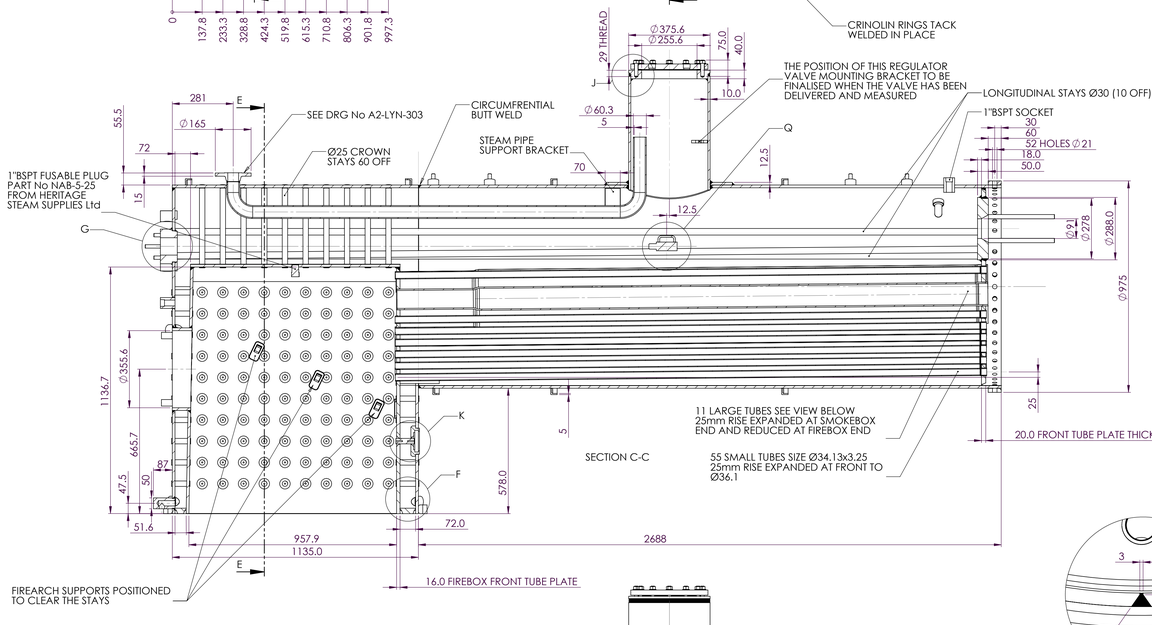



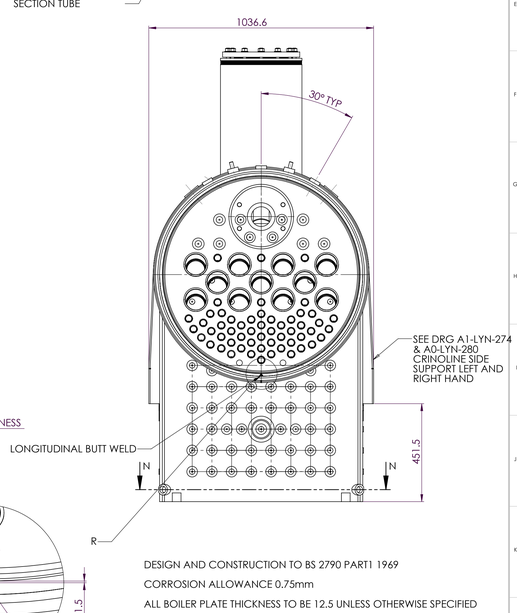



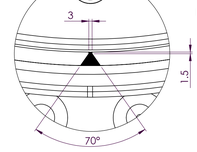



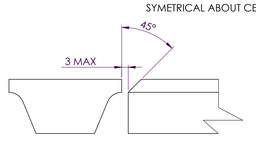



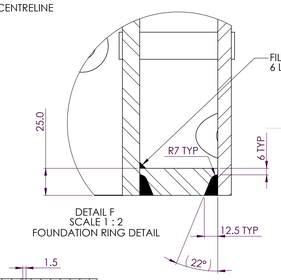



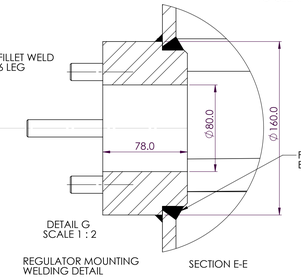



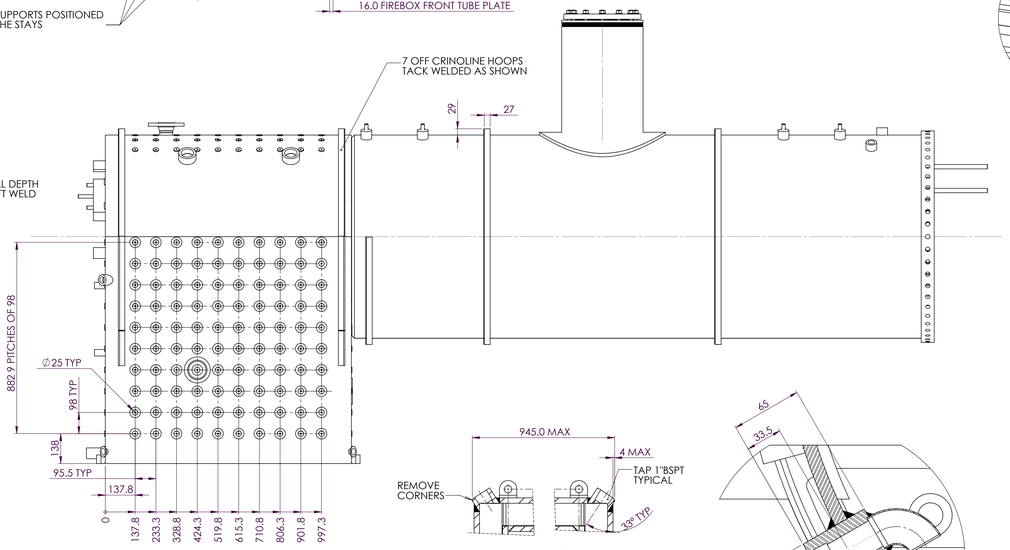



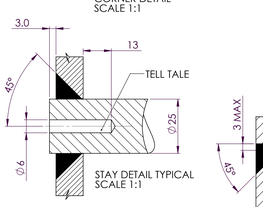



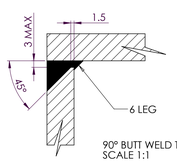



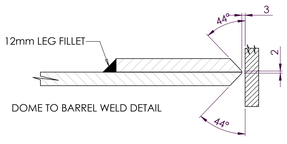



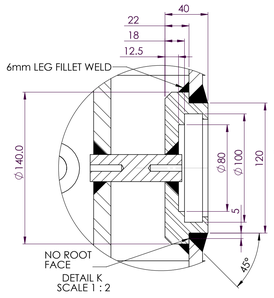



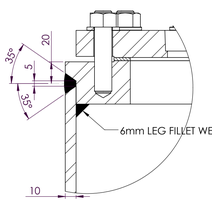



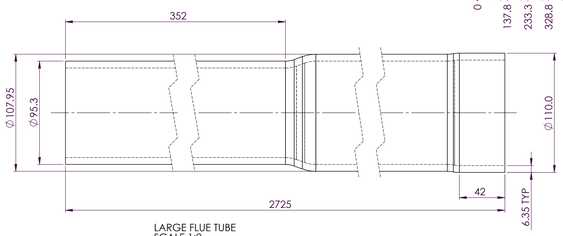



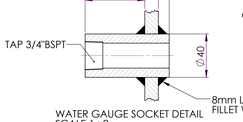



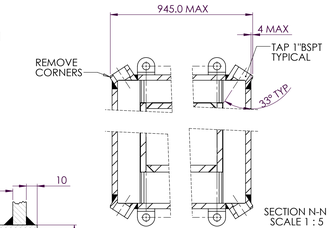

TYPICAL WELD DETAIL FOR REGULATOR MOUNTING, BOILER MOUNTING (SHOWN) AND HEADER MOUNTING

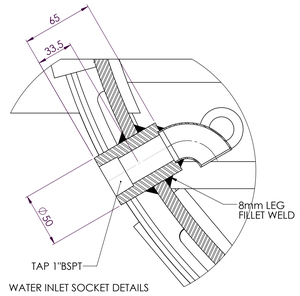
NOTE: BOILER MOUNTING DIMENSIONS ARE SIMILAR FOR FRONT AND SIDE MOUNTINGS

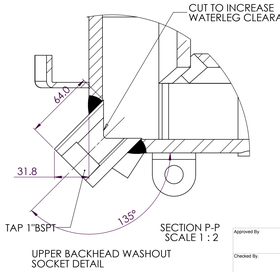


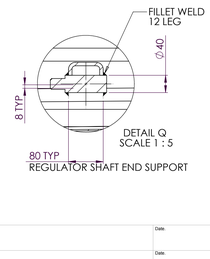




DESIGN AND CONSTRUCTION TO BS 2790 PART1 1969

CORROSION ALLOWANCE 0.75mm

ALL BOILER PLATE THICKNESS TO BE 12.5 UNLESS OTHERWISE SPECIFIED

WELDING TO BSEN 287-15614-1

ALL FILLET WELDS ARE 6mm LEG UNLESS OTHERWISE STATED

| | |
|---|---|
| DESIGN PRESSURE | 250PSI - 17.2BAR |
| HYDRAULIC TEST PRESSURE | 375PSI - 25.9BAR |

NDT

| | |
|---|---|
| LONGITUDINAL BUTT WELD | 100% UTS 100% MPI |
| CIRCUMFRENTIAL BUTT WELD | 50% UTS 100% MPI |
| ALL PRINCIPAL 90° BUTT WELDS | 25% UTS 100%MPI |

MATERIAL LIST

| | |
|---|---|
| BARREL | BS1501/151/161 - 430B |
| DOME | BS1501/151/161 - 430B |
| OUTER WRAPPER | BS1501/151/161 - 430B |
| BACKHEAD | BS1501/151/161 - 430B |
| THROAT PLATE | BS1501/151/161 - 430B |
| TUBE PLATES | BS1501/151/161 - 430B |
| FIREBOX WRAPPER | BS1501/151/161 - 430B |
| FIREBOX RING PLATE | BS1501/151/161 - 430B |
| DOME FLG | BS1501/151/161 - 430B |
| DOME COVER PLATE | BS1501/151/161 - 430B |
| STAYS | BS970 PT1 070M20 |
| SOCKETS | BS970 PT1 070M20 |
| REGULATOR HOUSING | BS970 PT1 070M20 |
| TURRET SEATING | BS970 PT1 070M20 |
| FOUNDATION RING | BS970 PT1 070M20 |
| DOOR MTG BOSS | BS970 PT1 070M20 |
| SAND BOX MTG BOSS | BS970 PT1 070M20 |
| STUDS | BS970 PT1 080M40 |
| FIRE TUBES | EN10305-4 DIN 2445/2.E235+N, OR DIN2391/C.ST37.4 NBK |
| FLUE TUBES | EN10216-1CIP235GH |

WEIGHT = 2602.99 kg

**Bennett Boilers Ltd**
Gass Close, Isleport Business Park
Highbridge, Somerset. TA9 4JT
Tel: 01278 792255
Fax: 01278 794939
Email: enquiries@bennettboilersltd.co.uk

All dimensions are in mm unless otherwise stated.
No dec pl : ± 0.5mm
1 dec pl : ± 0.2mm
2 dec pl : ± 0.1mm
3 dec pl : ± 0.05mm
angular : ± 0.2°
DO NOT SCALE

3rd Angle

| | | | | |
|---|---|---|---|---|
| Approved By: | | | Date: | |
| Checked By: | | | Date: | |
| Drawn By: | Mike Nelson | Model Name: A0-LYN-002 | 26/01/2011 | Scale: 1:10 |
| Material: - | | Title: | | |
| Finish: - | | Drg No: A0-LYN-002 | | Sheet size, Sheet number: A0 1 of 1 |