

# THE FURNACE EXCHANGE




Unit IA, Newhaven Enterprise Centre, Denton Island, Newhaven, East Sussex, BN9 9BA

## THE COLT SC750 FURNACE

A range of recycling furnaces to produce high value ingots from scrap. Supplied complete, fully refractory lined with high temperature side flue afterburner and chimney.

Full back up service for commissioning and training is available.



MODEL	Chamber Internal Size			OUTPUT INGOTS PER DAY	
	L	W	H	AVERAGE	SEMI CLEAN
SC750	1220	915	610	750 Kgs	1000Kgs



Where applicable, monitoring instrumentation is available.

DO NOT SCALE - IF IN DOUBT ASK

THIRD ANGLE PROJECTION

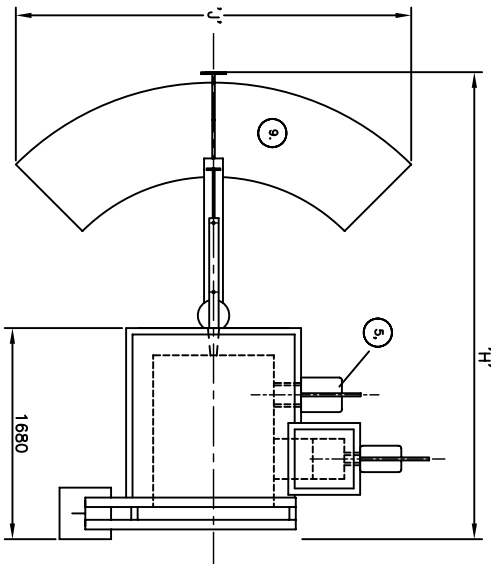
ISS

MODIFICATION

DATE

COLT SC	750	1000
A	610	762
B	915	1067
C	1220	1524
D	2950	3105
E	4400	4750
F	3990	4150
G	8000	8000
H	3650	4000
J	3650	4000

PLAN VIEW

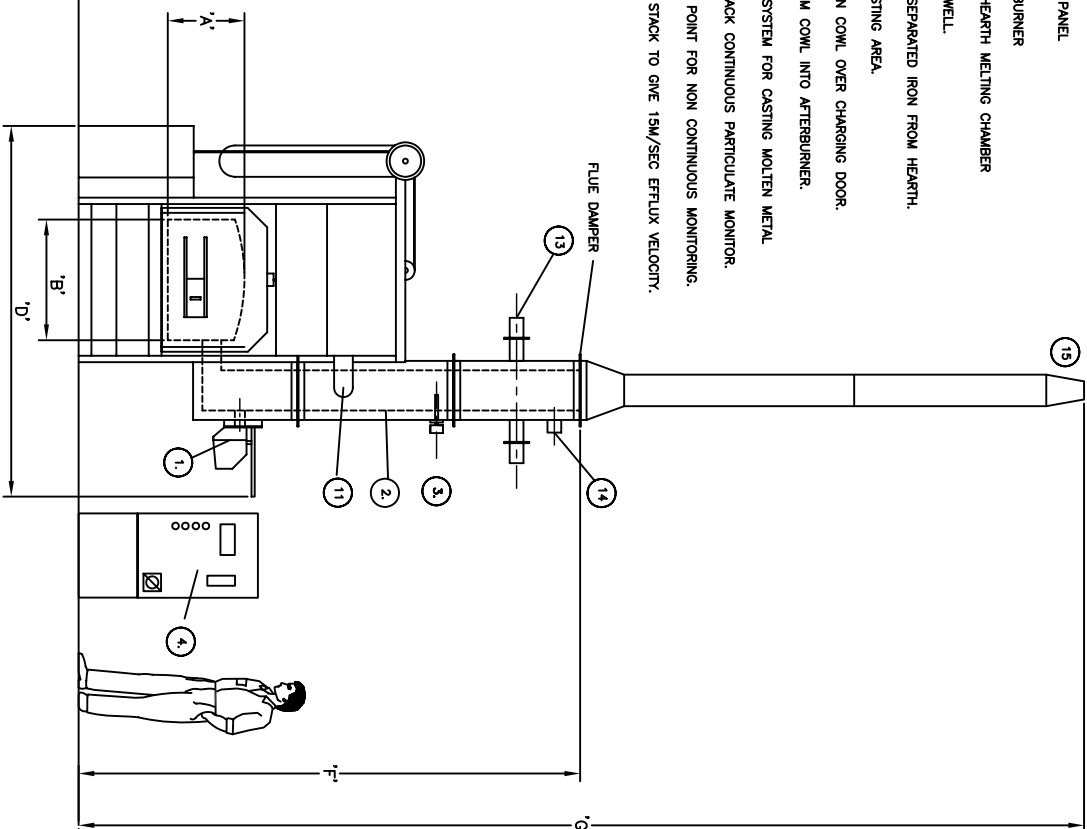
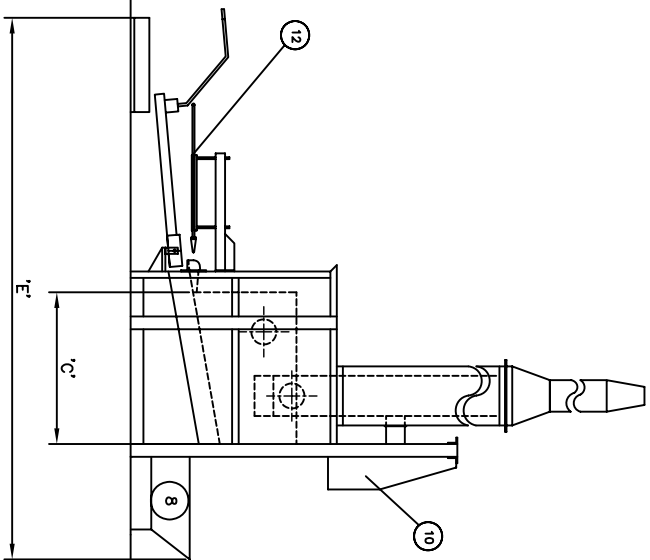
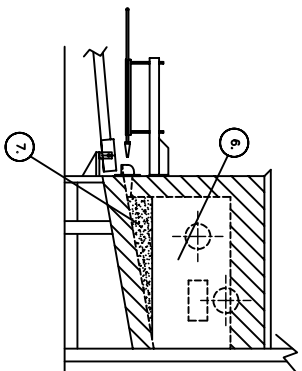


- KEY:
- 1 AFTERBURNER BURNER
  - 2 AFTERBURNER CHAMBER 2 SECS RETENTION.
  - 3 THERMOCOUPLE
  - 4 CONTROL PANEL
  - 5 MELTING BURNER
  - 6 SLOPING HEARTH MELTING CHAMBER
  - 7 HOLDING WELL
  - 8 BIN FOR SEPARATED IRON FROM HEARTH.
  - 9 INGOT CASTING AREA.
  - 10 EXTRACTION COWL OVER CHARGING DOOR.
  - 11 DUCT FROM COWL INTO AFTERBURNER.
  - 12 TAP OUT SYSTEM FOR CASTING MOLTEN METAL
  - 13 CROSS STACK CONTINUOUS PARTICULATE MONITOR.
  - 14 SAMPLING POINT FOR NON CONTINUOUS MONITORING.
  - 15 CONE ON STACK TO GIVE 15M/SEC EFFLUX VELOCITY.

NOTE:

STANDARD STACK HEIGHT SHOWN MINIMUM 8M FROM GROUND.  
FINAL STACK HEIGHT CALCULATED TO SUIT ACTUAL BUILDING AND SITE CONDITIONS.

SECTION THROUGH MELTING HEARTH  
SHOWING HOLDING WELL



ALL DIMENSIONS PROVISIONAL ONLY

THIS DRG USED ON  
THE FOLLOWING  
ASSEMBLIES

DRN DATE  
18.12.2008

CHNO SCALE

SURFACE FINISH

TOL CLASS

PROTECTIVE FINISH

MATERIAL

No OFF

DRG No

3002944

REMOVE ALL SHARP EDGES UNLESS OTHERWISE STATED

FILE NAME

ACAD

THE FURNACE EXCHANGE  
ROY HALL COMBUSTION LTD.  
56 WELLINGTON ROAD, DENTON  
NEWMARVEN, EAST SUSSEX BN9 0RH  
TEL/FAX: 01273 517119

TITLE  
SC750+1000 2 SEC VERTICAL AFTERBURNER