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MALONE
mechanical services engineers

SOUTH TYNESIDE DISTRICT HOSPITAL NEW ENERGY CENTRE

TECHNICAL SUBMISSION

Date: 06/06/2018

Number: TS 021 Rev A

For: Approval/ Comment

Description: Jeremias Flue Wind Shield Drawing

3314-3 P1

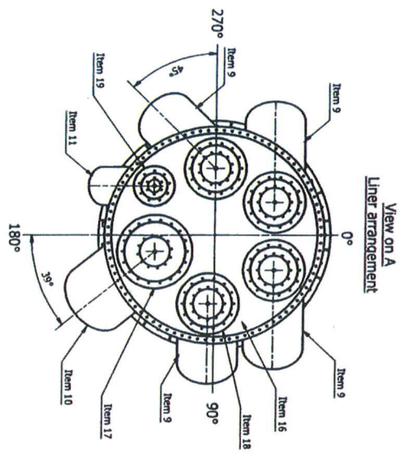
3314-4 P1

Branch Height Revision

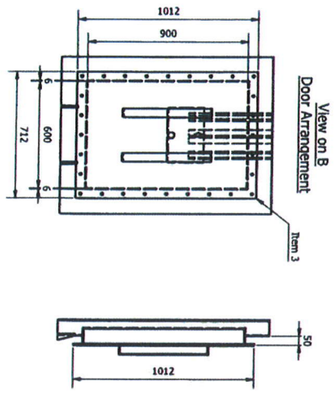
SOUTH TYNESIDE COUNCIL
25 JUL 2018
AREA PLANNING

ST0732/18 COND

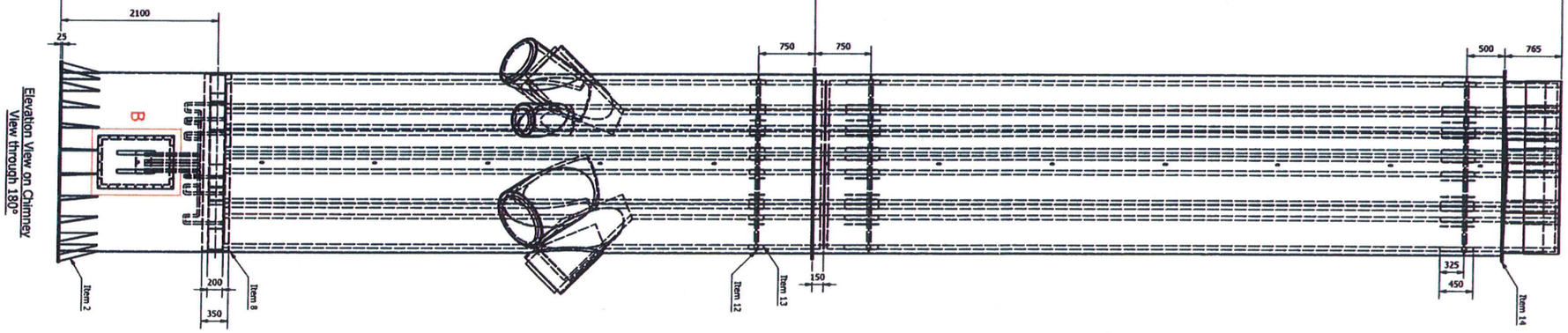
REF. NO	DESCRIPTION TABLE Description	Quantity
1	25mm S275 JR Steel Baseplate Baseplate O/D 2700mm Baseplate I/D 2350mm Baseplate PCD 2550mm	1
2	10mm Thick S275 JR Steel Chimney Gusset Dimensions according to calculations	24
3	6mm S275 JR Steel Access Door 900x600 Inside dimensions for access 1012x712mm Door plate	1
4	Drain Box 1inch BSP boss External drainage by others	1
5	200x90 S275 JR Parallel Flat Channel For liner support	6
6	350x10mm Thick S275 Steel Support band	1
7	1inch NB Drain Pipe	6
8	6mm Thick S275 JR Steel Chimney structural shell Shell O/D 2400mm	2
9	2mm Thick 304 Stainless Steel Liner with 50mm Lamella Insulation Liner I/D 550mm	4
10	2mm Thick 304 Stainless Steel Liner with 50mm Lamella Insulation Liner I/D 700mm	1
11	2mm Thick 304 Stainless Steel Liner with 50mm Lamella Insulation Liner I/D 300mm	1
12	6mm Thick S275 Steel Guide Plate with 50x6mm bar	3
13	6mm Thick 304 Stainless Steel Slider Plate 200x60mm	24
14	12mm S275 JR Steel Windshield Flange Flange O/D 2562mm Flange I/D 2402mm Flange PCD 2480mm	4
15	6mm Thick 304 Stainless Steel Slider Plate 450x60mm	48
16	6mm Thick S275 50mm Domed Top Cap Top Cap O/D 2400mm	1
17	6mm Thick Flanged 304 Stainless Steel Downstand Suitble for 700mm I/D Liner	1
18	6mm Thick Flanged 304 Stainless Steel Downstand Suitble for 550mm I/D Liner	4
19	6mm Thick Flanged 304 Stainless Steel Downstand Suitble for 300mm I/D Liner	1
20	INTERNAL: 'V-Spar Type Fall Arrest ladder system over the full height of the chimney. (in centre of the windshield)	
21	INTERNAL: Standard polycarbonate bulkhead lights every 3 meters	



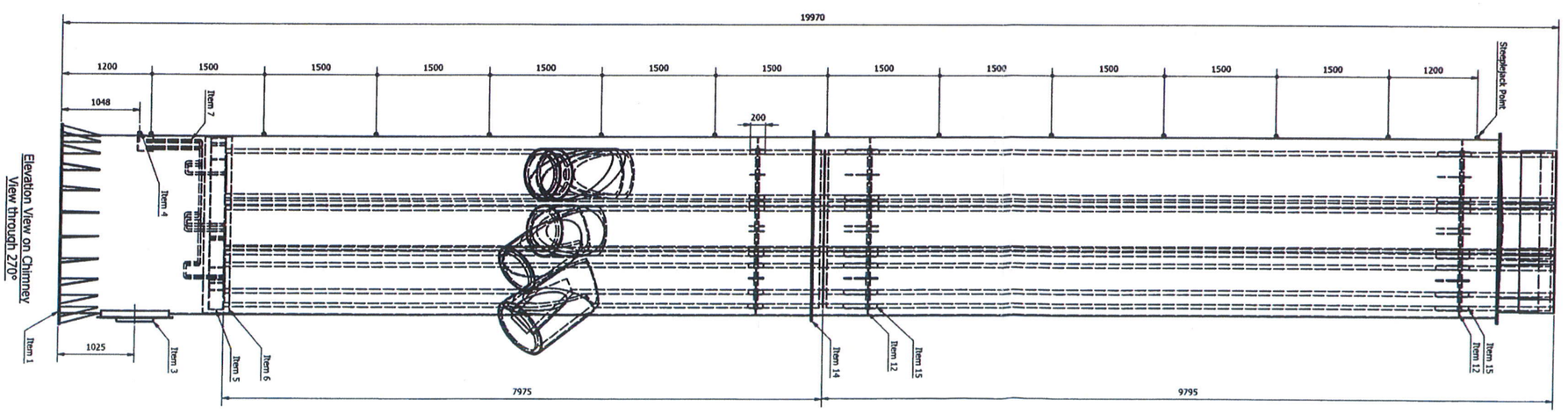
View on A
Liner arrangement



View on B
Door Arrangement



Elevation View on Chimney
View through 180°



Elevation View on Chimney
View through 270°

IF IN DOUBT ASK

MANUFACTURED TO EXECUTION CLASS LEVEL:
2

CONTRACT EXCLUSIONS
All builders work - Internal/External

All scaffolding and/or access equipment over 3 metres in height to be supplied by the client at the time of installation.

If the flashing/s are to be supplied by JEREMIAS UK LTD, All roof openings and weather by the clients roofing contractor at the time of installation. If storm collar is removed after our visit, and found to leak at a later date, we shall not be held responsible.

JEREMIAS UK LTD accept no responsibility for any services or fittings installed between our site survey and installations which obstruct the flue run, the suppoers or installation access.

JEREMIAS UK LTD are not responsible for any electrical wiring to our installed equipment.

Any notes contained on this drawing concerning removal of pipes, cable trays ect. must be adhered to prior to our installation.

Pipework from drain points.

Foundation Loads (Non-Factored)
Overturning Moment - 1137.872 kNm
Windshear at base 69.729 kN
Approximate self weight - 16541.329kg OR 162.270 kN

SOUTH TYNESIDE COUNCIL
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AREA PLANNING
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A1

No.	Revision	Date	
P-1	Branch Height Revision	5/6/18	AP

Project: South Tyneside Hospital Chimney

Drawing Title: Chimney Overview GA

Customer: H Malone and Sons

Site Address: Harton Ln, South Shields, NE34 0PL

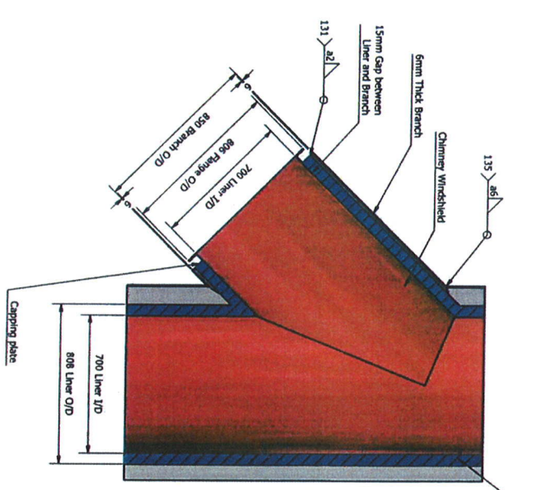
Welding check	Dimension Check	Final Sign off

Date	Drawn By	
5/6/2018	A.P	PRELIMINARY ✕ FOR APPROVAL CONSTRUCTION AS INSTALLED

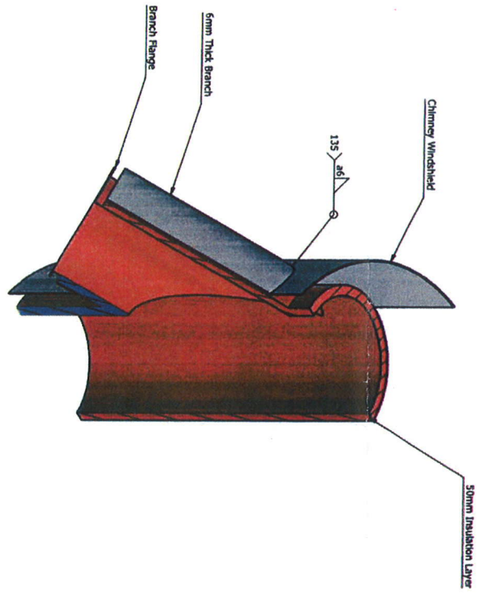
Drawing No	Revision	Scale
3314-3	P-1	Do Not Scale

Tolerance Level: Execution Class 2
Execution Class 2: +/- 3mm
Execution Class 3: +/- 2mm
Non-Execution Class: +/- 5mm

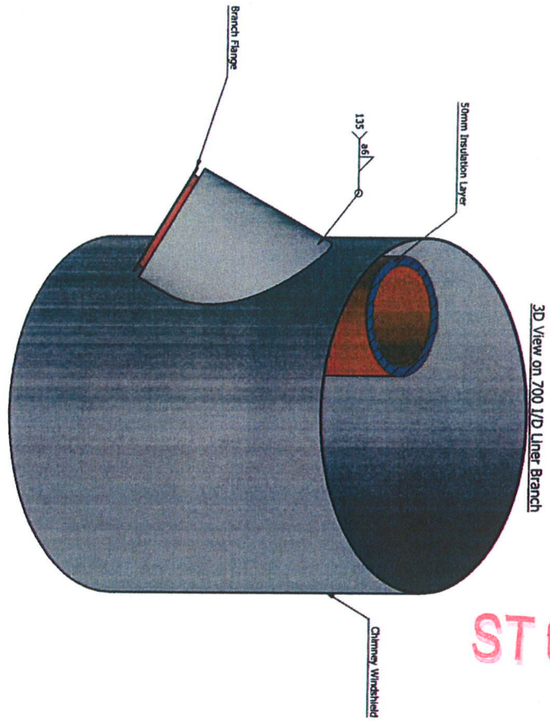
chimney systems
HETAS



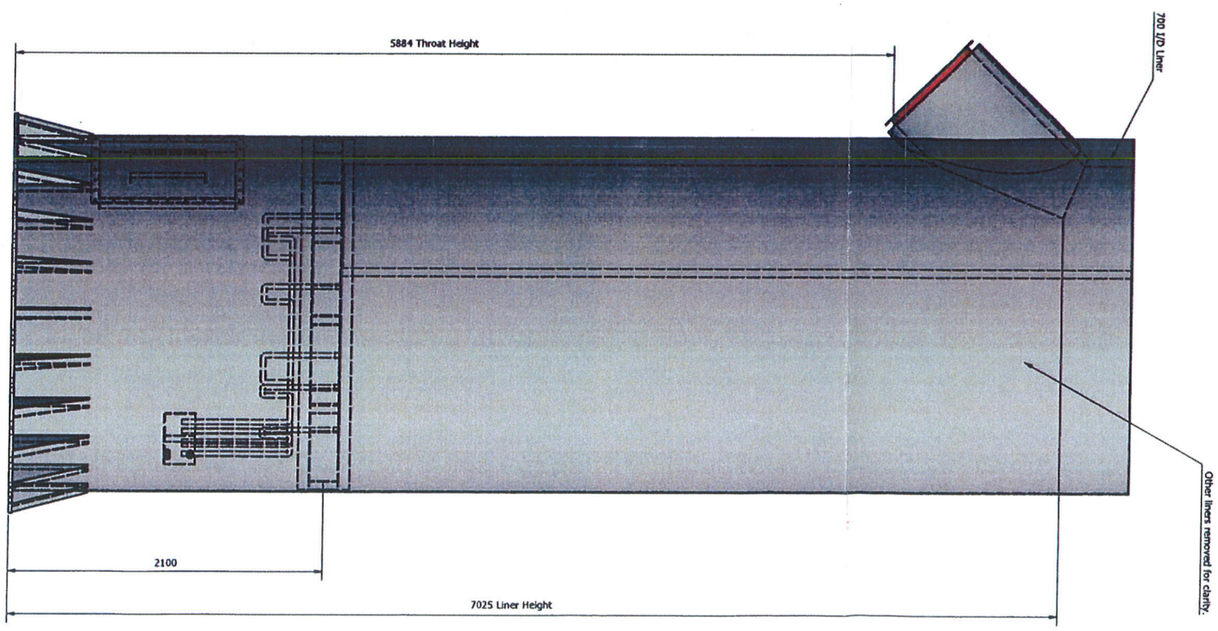
Section view on 700 I/D Liner
Colour indicative only



3D Section View on 700 I/D Liner Branch



3D View on 700 I/D Liner Branch



IF IN DOUBT ASK

MANUFACTURED TO EXECUTION CLASS LEVEL:
2

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Pipework from drain points.

Foundation Loads (Non-Factored)

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Windshear at base 69.729 kN
Approximate self weight - 16541.329kg OR 162.270 kN

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AREA PLANNING

ST0732/18COND

No.	Revision	Date	Drn
P-1	Branch Height Revision	5/6/18	AP

Project: South Tyneside Hospital Chimney

Drawing Title: Branch Detail Drawing

Customer: H Malone and Sons

Site Address: Harton Ln, South Shields, NE34 0PL

Welding check	Dimension Check	Final Sign off

Date	Drawn By	
5/6/2018	A.P	PRELIMINARY ✕ / FOR APPROVAL / CONSTRUCTION / AS INSTALLED

Drawing No	Revision	Scale
3314-4	P-1	Do Not Scale

Tolerance Level: Execution Class 2
Execution Class 2: +/- 3mm
Execution Class 3: +/- 2mm
Non-Execution Class: +/- 5mm

chimney systems
HETAS