

GENERAL

- G1 THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND ANY WRITTEN INSTRUCTIONS ISSUED DURING THE COURSE OF THE CONTRACT. DISCREPANCIES SHALL BE REFERRED TO THE ENGINEER FOR DECISION BEFORE PROCEEDING WITH WORK.
- G2 DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
- G3 SUBSTITUTES WILL NOT BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
- G4 DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART OF THE STRUCTURE SHALL BE OVERSTRESSED AS A RESULT OF THE CONSTRUCTION PROCEDURE. TEMPORARY WORKS Eg ALL PROPPING, FORMWORK, NEEDLING AND PROPPING AND ALL HANDLING OPERATIONS SHALL BE THE RESPONSIBILITY OF THE BUILDER. WHERE THESE ACTIVITIES ARE MORE THAN ROUTINE CONVENTIONAL PRACTICE, THE BUILDER SHALL ENGAGE A RBP ENGINEER TO PROVIDE A CERTIFIED DESIGN FOR REVIEW BY THIS OFFICE PRIOR TO PERFORMING THIS WORK.
- G5 MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
- THE SPECIFICATION,
 - THE CURRENT REVISION OF ALL RELEVANT SAA CODES,
 - THE REQUIREMENTS OF THE VICTORIA BUILDING REGULATIONS,
 - THE BUILDING CODE OF AUSTRALIA,
 - LOCAL AUTHORITIES AND THE PROVISIONS OF THE CURRENT HEALTH AND OCCUPATIONAL HEALTH AND SAFETY ACT.
- G6 UNLESS NOTED OTHERWISE ON A PARTICULAR DRAWING THESE NOTES SHALL APPLY.
- G7 THE FOLLOWING DESIGN LIVE LOADS HAVE BEEN ADOPTED FOR THIS PROJECT:
- CHIMNEY BASE 5.0 kPa.
ROOF (1.8/A + 0.12) or 0.25 kPa.
- G8 WIND LOADING
IMPORTANCE LEVEL -
TERRAIN CATEGORY -
ANNUAL PROBABILITY OF EXCEEDENCE:
STRENGTH LIMIT STATE DESIGN - 1 in 1000
SITE GUST WIND SPEEDS:
STRENGTH LIMIT STATE DESIGN -44.2m/s for 0 to 10m
-49.2m/s for 10 to 27m
- G9 EARTHQUAKE LOADING
ANNUAL PROBABILITY OF EXCEEDENCE:
STRENGTH LIMIT STATE DESIGN - 1 in 1000
EARTHQUAKE DESIGN CATEGORY - II
- G10 CONTRACTORS SHALL ENSURE THAT LOCATIONS OF ALL UNDERGROUND SERVICES ARE IDENTIFIED PRIOR TO COMMENCEMENT OF WORKS AND EXCAVATIONS.
- G11 SITE DRAINAGE SHALL BE MANAGED BY THE BUILDER DURING CONSTRUCTION TO PREVENT EROSION OF BATTERS AND PONDING OF WATER AROUND AND AGAINST FOOTINGS ETC.

G12 CONTRACTOR TO ORGANISE INSPECTIONS BY OUR OFFICE OF PROGRESS WORKS PARTICULARLY BRICKWORK REMEDIATION & SHAFT REBUILD

BRICKWORK

GENERAL

ALL REPAIRS TO EXISTING BRICKWORK TO BE IN ACCORDANCE WITH AS3700 UNLESS OTHERWISE SPECIFIED. ONLY BRICKLAYERS WITH DEMONSTRATED COMPETENCY IN THE RESTORATION AND REPAIR OF HISTORIC BRICKWORK SHALL BE EMPLOYED ON THE PROJECT. THE AIM OF THE REPLACEMENT/REPAIR WORK INVOLVES THE MINIMAL INTERVENTION AND REPLACEMENT, AND MAXIMUM RETENTION OF ORIGINAL.

MATERIALS

ALL NEW BRICKS TO BE SECOND HAND SOLID BRICKS FOM SIMILAR AGED CONSTRUCTION. ANY NEW BRICKS PERMITTED ARE TO BE TESTED FOR SALT CONTENT AND MAY BE REJECTED ON THIS BASIS DEPENDING ON SALT CONTENT. TESTING TO BE CARRIED OUT BY SHARP & HOWELLS P/L - 9850 9722. CONTRACTOR TO ALLOW IN PRICING FOR COSTS OF TESTING IF BRICKS TO BE IMPORTED.

MORTAR FOR REPOINTING & FOR REBUILT BRICKWORK TO BE "COURSE STUFF" PREMIXED LIME SAND MORTAR AVAILABLE FROM WESTOX (BARRIE COOPER 02 9774 4100 OR www.westox.com), WHICH IS MADE FROM THE FOLLOWING INGREDIENTS:

PART A - 1 LIME PUTTY (MATURED APPROX 1 MONTH) TO 3 SAND (TRIPLE WASHED SYDNEY COARSE SAND TO OBTAIN GOOD PERMEABILITY).
PART B - SLAG CEMENT OR META KAOLIN (POZZOLANIC ADDITIVE - APPROX. 1/20 BY VOLUME TO LIME).

EXECUTION

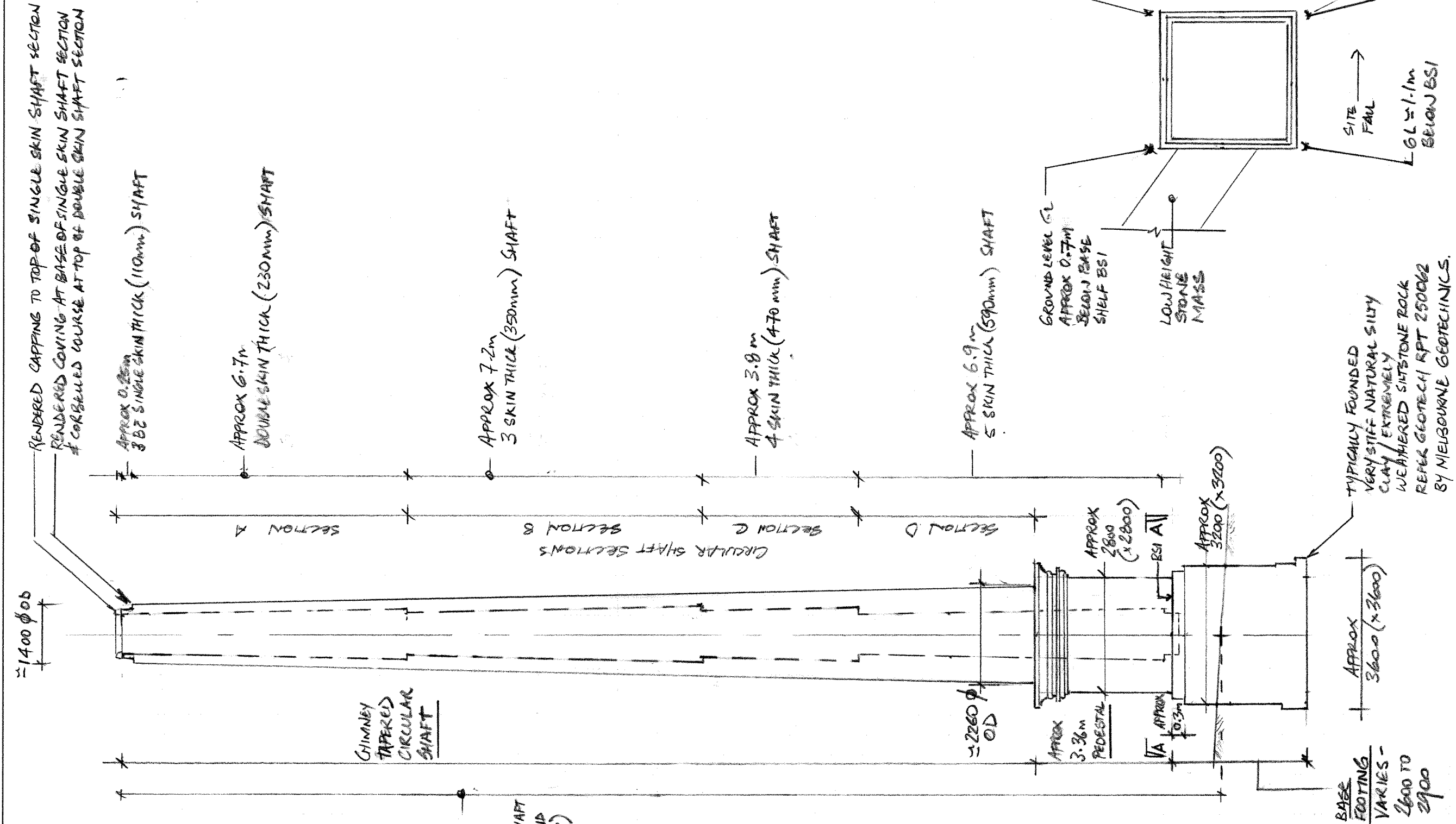
ALL BRICKWORK REPAIRS TO BE CARRIED OUT IN ACCORDANCE WITH RECOGNISED TRADE BEST PRACTICE. SAMPLE OF NEW BRICKWORK AND REPAIR BRICKWORK TO BE PREPARED FOR APPROVAL BY CLIENT AND SUPERINTENDENT. EVIDENCE OF MORTAR MIX TO BE PROVIDED. CONTRACTOR TO ALLOW FOR COST OF TESTING BY BMRL TO CONFIRM MIX USED IF REQUIRED. PART A & PART B TO BE MIXED THE DAY BEFORE USE & LEFT OVERNIGHT. NOTE MIXING TO BE DONE IN PRESCRIBED QUANTITIES AND IS TO BE DONE TO ENSURE THOROUGH COMPRESSION AND BEATING. ROTARY DRUM MIXERS ARE NOT RECOMMENDED AS THEY CANNOT PROVIDE COMPRESSION. MIX THEN TO BE KNOCKED UP PRIOR TO USE ON DAY OF USE. THE CONTRACTOR SHALL NOT DEVIATE FROM THE APPROVED MATERIALS AND METHODS SPECIFIED IN THIS SPECIFICATION, EXCEPT WITH THE EXPRESS APPROVAL OF THE SUPERINTENDENT.

IMPORTANT NOTES FOR MORTAR, RENDER & PLASTER MIXES.

- * NORMAL PORTLAND CEMENT OR ADMIXTURES ARE NOT TO BE USED IN ANY OF THE MIXES UNDER ANY CIRCUMSTANCES.
- * ALL MIX RATIOS BY VOLUME AND TO BE MEASURED WITH A MEASURING DEVICE (eg., VOLUME MARKED BUCKET NOT SHOVELS).
- * CAUTION TO BE USED IN WORKING WITH LIME PUTTY (SLAKED LIME) - OPERATORS SHOULD USE GOGGLES & PROTECTIVE CLOTHING INCLUDING GLOVES.
- * LOCAL SAND TO BE TRIPLE WASHED WITH FRESH WATER ON EACH WASHING.
- * WATER TO BE CLEAN FRESH DRINKING WATER FREE OF ANY IMPURITIES THAT WOULD REACT WITH THE LIME & THE MIX PROPORTIONS.
- * ANY DAMP OR SALTS FOUND IN THE WALL TO BE INVESTIGATED AND TESTED PRIOR TO APPLICATION OF LIME: SAND MORTAR, RENDER & PLASTERS.

Issue	Date	Description	Job	Date	Scale
A		NOT ISSUED	BEEHIVE COMPANY GOLD MINE CHIMNEY MALDON REMEDIATION WORKS STAGE I	MAY 25	
B	29/5/25	FOR TENDER & BP APPLICATION		Designed JS	Drawn JS
			Title	Job No 7755	Drawing No S101
			GENERAL NOTES		

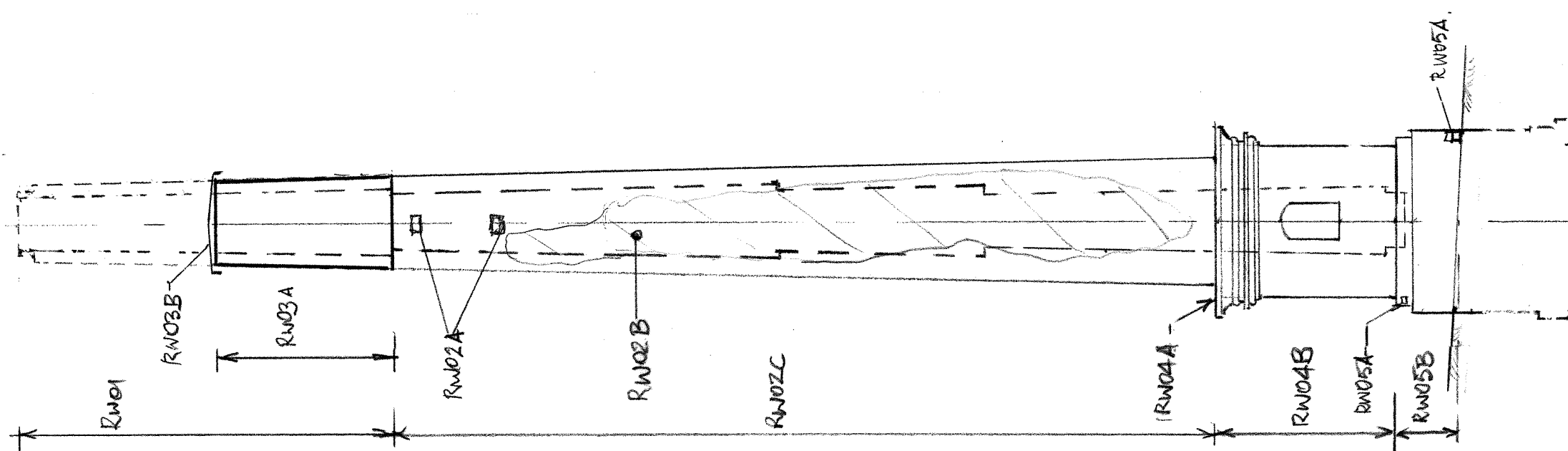
APPROX
26.6m
TOP OF
110mm SHAFT
TO GROUND
(6TH FLOOR)



SOUTH ELEVATION

PLAN SECTION A-A

Issue	Date	Description	Job	Date	Scale
A	27/5/25	FOR REVIEW	BEEHIVE COMPANY GOLD MINE CHIMNEY MALDON REMEDIAL WORKS STAGE I	MAY 25	1:100
B	29/5/25	FOR TENDER & BP APPLICATION		Designed JS	Drawn JS
			Title	Job No 7755	Drawing No 5201
			EXISTING ARRANGEMENT & DIMENSIONS		

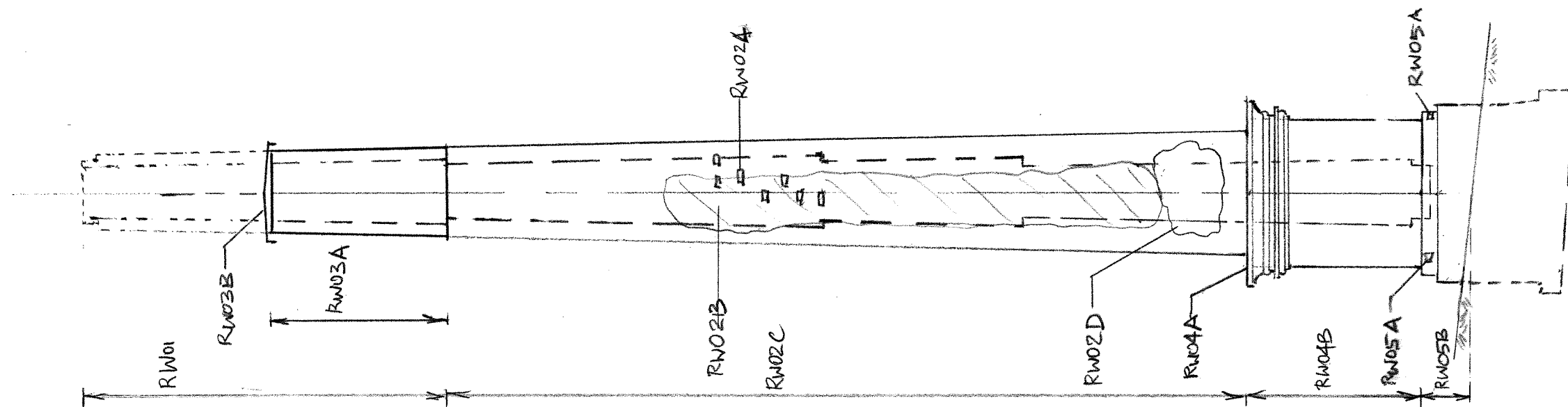


SOUTH ELEVATION

Issue	Date	Description
A	27/5/25	FOR REVIEW
B	29/5/25	FOR TENDER & BP APPLICATION

Job	BEEHIVE COMPANY GOLD MINE CHIMNEY MALDON REMEDIAL WORKS STAGE I
Title	SOUTH ELEVATION

Date	MAY 25	Scale	1:100
Designed	JS	Drawn	JS
Job No	7755	Drawing No	S301

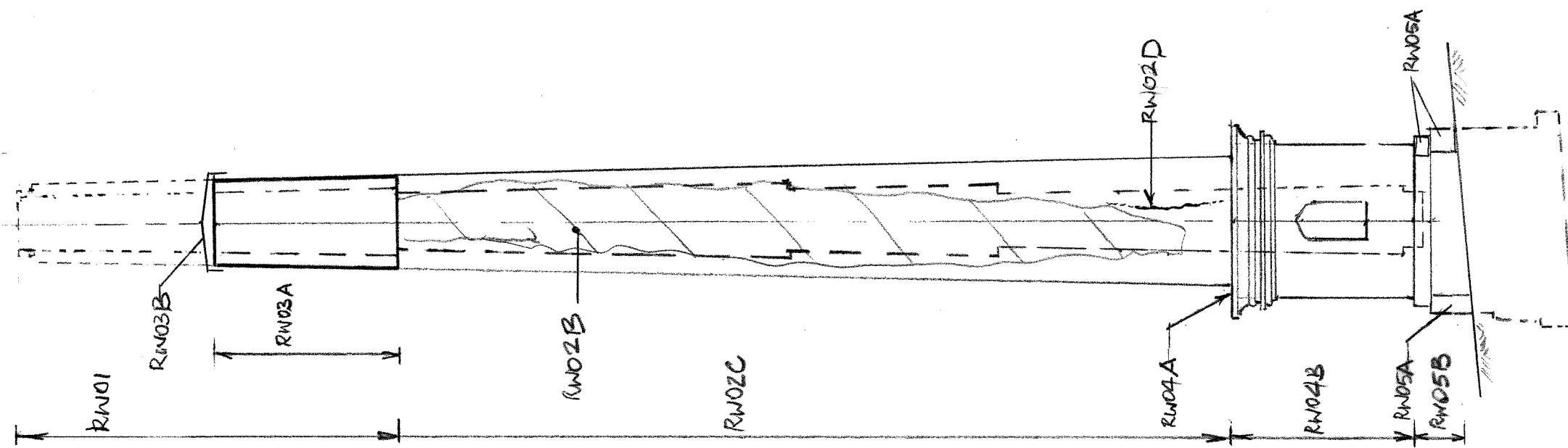


WEST ELEVATION

Issue	Date	Description
A	27/5/25	FOR REVIEW
B	29/5/25	FOR TENDER & BP APPLICATION

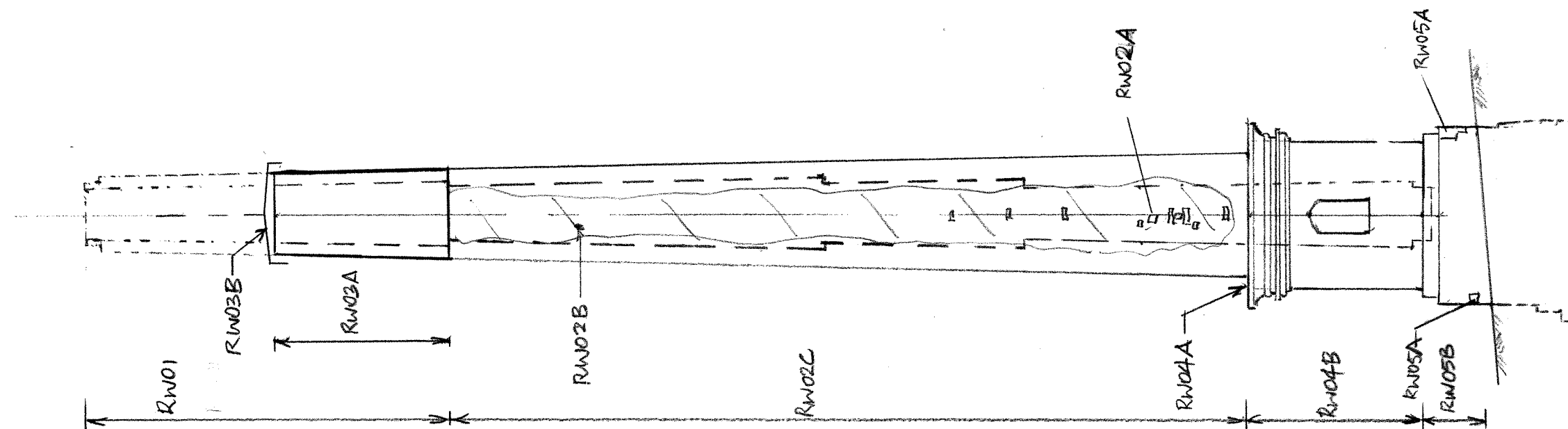
Job	BEEHIVE COMPANY GOLD MINE CHIMNEY MALDON REMEDIAL WORKS STAGE I
Title	WEST ELEVATION

Date	MAY 25	Scale	1:100
Designed	JS	Drawn	JS
Job No	7755	Drawing No	S302



NORTH ELEVATION

Issue	Date	Description	Job	Date	Scale
A	27/5/25	FOR REVIEW		MAY 25	1:100
B	29/5/25	FOR TENDER & BP APPLICATION	BEEHIVE COMPANY GOLD MINE CHIMNEY MALDON REMEDIAL WORKS STAGE I	Designed JS	Drawn JS
				Job No 7755	Drawing No S303
			Title	NORTH ELEVATION	



EAST ELEVATION

Issue	Date	Description
A	27/5/25	FOR REVIEW
B	29/5/25	FOR TENDER & BP APPLICATION

Job	BEEHIVE COMPANY GOLD MINE CHIMNEY MALDON REMEDIAL WORKS STAGE I
Title	EAST ELEVATION

Date	MAY 25	Scale	1:100
Designed	JS	Drawn	JS
Job No	7155	Drawing No	5304

REMEDIAL WORKS SCHEDULE

TYPE DESCRIPTION DETAIL

RW01 DEMOLISH TOP APPROX 7 METRES OF CHIMNEY SHAFT
DOWN TO STEP CHANGE IN SHAFT WALL THICKNESS 230 TO 350MM.
SALVAGE & CLEAN BRICKS FOR REUSE.

RW02 A FILL IN HOLES IN BRICKWORK

B INVESTIGATE / TEST GREY COLORED PREVIOUS REPAIR MORTAR
IF CEMENT RICH - REMOVE & REPOINT.
DEPTH OF PREVIOUS REPAIR MORTAR APPEARS TO BE APPROX 10 TO 20mm

C REPOINT BRICKWORK TO SHAFT'S RETAINED BRICKWORK

D CRACK STITCH VERTICAL CRACKING: REFER DETAIL S402

RW03 A REBUILD APPROX 3.5 METRES OF CHIMNEY SHAFT
TO 23 METRES MAX ABOVE GROUND LEVEL MEASURED ON
SOUTH ELEVATION, IN 230mm BRICKWORK - BOND PATTERN
TO MATCH EXISTING CHIMNEY SHAFT BRICKWORK.

B PROVIDE METAL CAPPING TO 'WHOLE OF SHAFT'. NOTE
CAPPING TO BE TIED DOWN TO NEW BRICKWORK. REFER DETAIL S402

RW04 A CLEAN & PREPARE TOP SURFACE OF UPPER CORNICE TO
PEDESTAL & PROVIDE WEATHERSTRUCK RENDER
COATING FROM SHAFT TO EDGE OF CORNICE

B INVESTIGATE PEDESTAL'S RENDER COATING COMPOSITION
(LAYERS & MIX) TO INFORM RENDER REPAIR TOP COAT

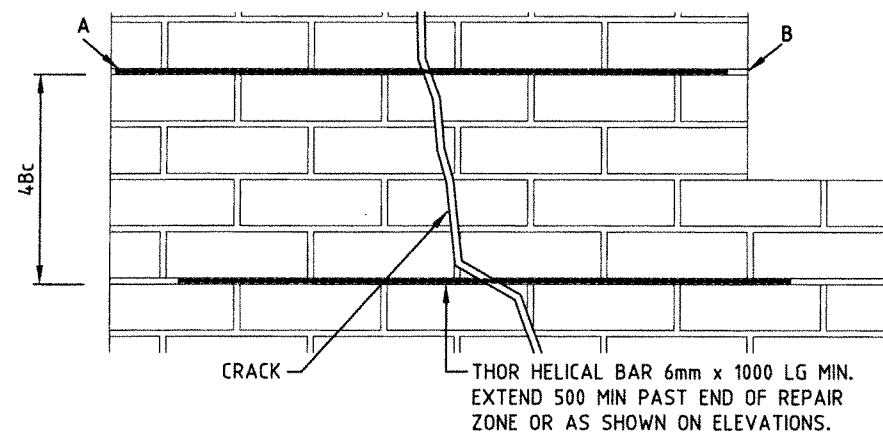
RW05 A FILL IN HOLES IN THE BASE'S BRICKWORK & STONWORK

B REPAIR ALL MORTAR BETWEEN THE BASE'S BRICKS
AND STONES

NOTES

1. REPOINTING MORTAR TO BE 1:3 LIME SAND MORTAR
REFER EXISTING MORTAR COMPOSITION TEST RPT NO 25-0208
BY SHARP & HOWELLS 26/5/25
2. FOR REPOINTING - TENDERERS TO PROVIDE
SEPARATE PRICING AS FOLLOWS:
 - MAXIMUM WORK WHICH INCLUDES REMOVAL OF
ALL PREVIOUS MORTAR REPOINTING AND PREPARATION
OF ENTIRE RETAINED SHAFT SECTIONS B, C & D
(REFER S201) FOR FULL REPOINTING OF BRICKWORK.
TOTAL SURFACE AREA FOR SECTIONS B, C, D = 100 SQ. METRES
 - MINIMUM WORK WHICH INCLUDES RETENTION OF
ALL PREVIOUS MORTAR REPOINTING AND PREPARATION
OF AREAS TO RETAINED SHAFT SECTIONS B, C, & D
REQUIRING REPOINTING / MORTAR REPAIRS ONLY.
TOTAL EST. SURFACE AREA = 33 SQ. METRES
3. TENDERERS TO ALLOW PROVISIONAL SUM OF \$5000 + GST
FOR ANY MORTAR & RENDER COMPOSITION TESTING.
4. FOR CRACK STITCHING, TENDERERS TO ALLOW FOR
10 METRES (10 NO. x 1 METRE LONG) STAINLESS STEEL
TWISTED HELIFIX BARS.

Issue	Date	Description	Job	Date	Scale
A	27/5/25	FOR REVIEW	BEEHIVE COMPANY GOLD MINE CHIMNEY MALDON REMEDIAL WORKS STAGE I	MAY 25	
B	29/5/25	FOR TENDER & BP APPLICATION		Designed JS	Drawn JS
			Title	Job No	Drawing No
			REMEDIAL WORKS SCHEDULE	7755	S401



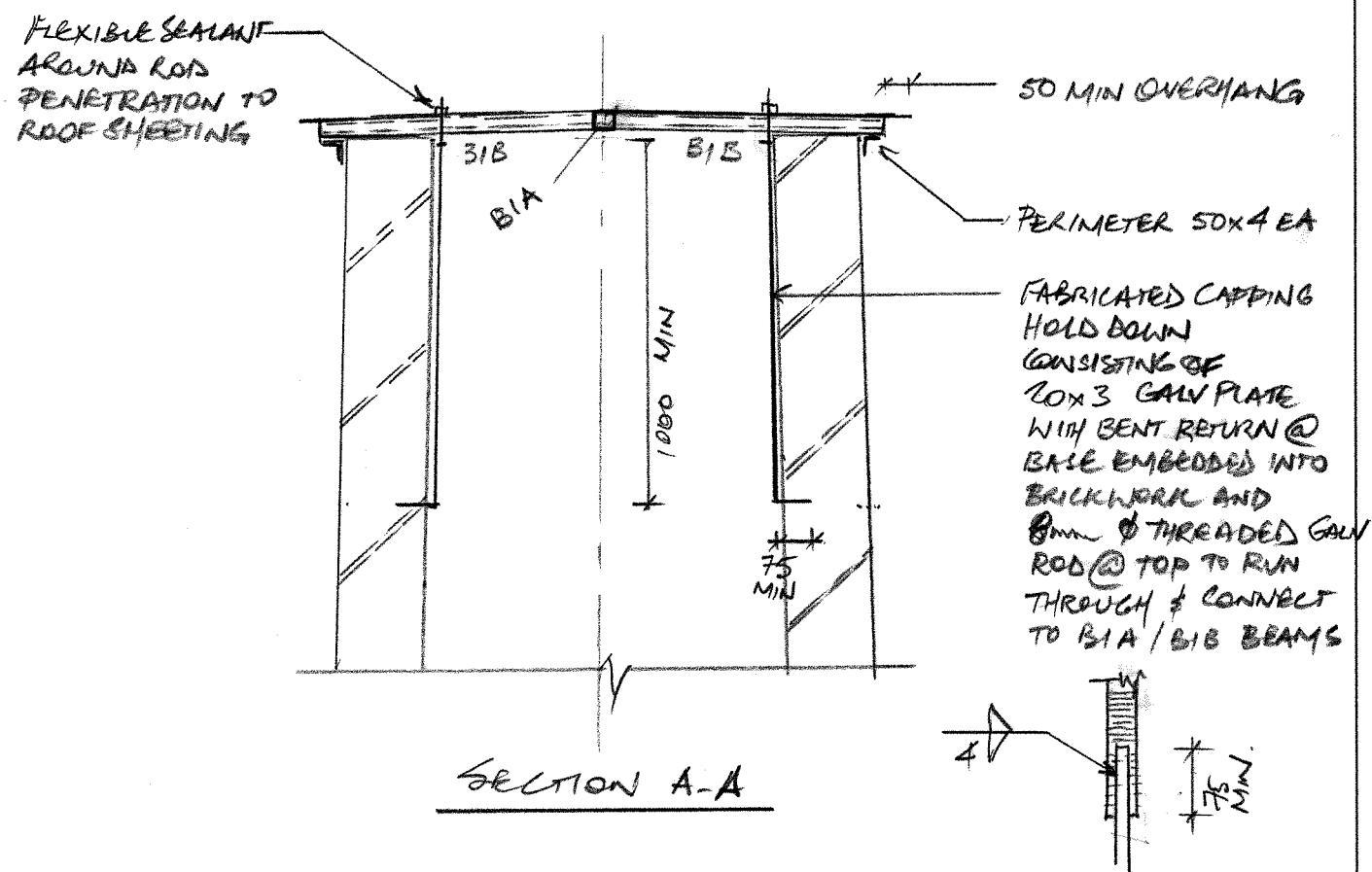
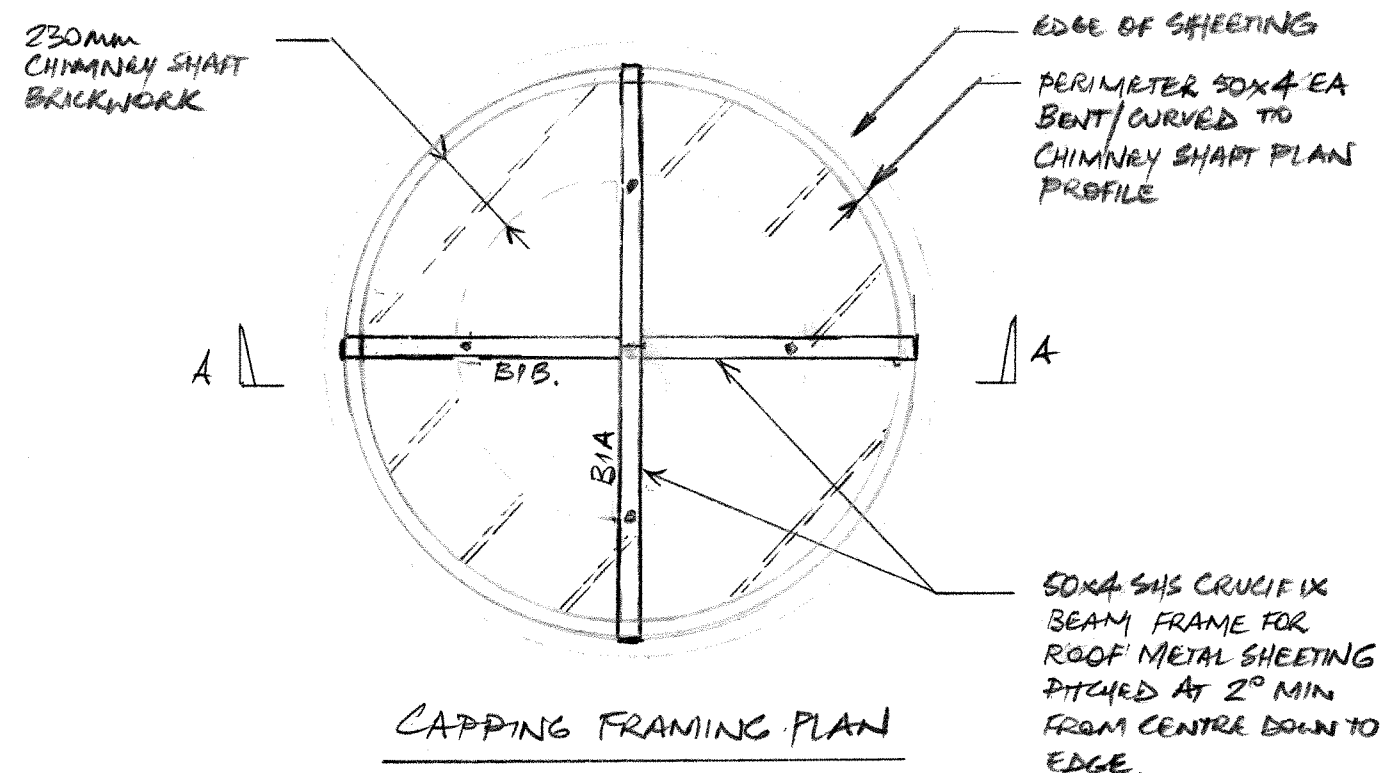
INSTALLATION PROCEDURE

- (1) RAKE OUT OR CUT SLOTS INTO HORIZONTAL MORTAR JOINT TO SPECIFIED DEPTH AND AT REQUIRED VERTICAL SPACING.
- (2) VACUUM OUT THE SLOTS AND THOROUGHLY FLUSH WITH WATER.
- (3) USING A FLATTENED GROUT NOZZLE INSERT A BEAD OF 'D4' CEMENTITIOUS GROUT INTO THE BACK OF THE SLOT.
- (4) PUSH THE THOR HELICAL (GRADE 304 STAINLESS STEEL) ROD INTO THE GROUT TO OBTAIN GOOD COVERAGE.
- (5) INSERT ANOTHER BEAD OF CEMENTITIOUS GROUT OVER THE EXPOSED ROD & IRON INTO THE SLOT USING THE FINGER TROWEL TO PROVIDE A REBATED FINISH.
- (6) IMMEDIATELY POINT UP OR FILL THE JOINT WITH 1:2:9 MORTAR MIX OR AS SPECIFIED.
- (7) REFER ALSO TO THOR HELICAL SPECIFICATION FOR CRACK STITCHING REPAIRS.

NOTE:

- UNLESS SPECIFIED OTHERWISE THE FOLLOWING CRITERIA ARE TO BE USED.
- (a) DEPTH OF SLOT TO BE 30mm FOR SINGLE SKIN BRICKWORK & 45mm FOR 230mm BRICKWORK.
 - (b) INSTALL TIES UNDER HEADER COURSES IF POSSIBLE.
 - (c) HELICAL ROD IS TO EXTEND A MINIMUM OF 500mm EACH SIDE OF CRACK.
 - (d) NORMAL VERTICAL SPACING IS 345mm (4 BRICK COURSES) U.N.O.
 - (e) WHERE A CRACK IS WITHIN 500mm OF THE END OF WALL (AS PER 'A' ABOVE) THE HELICAL ROD IS TO CONTINUE FOR AT LEAST 100mm AROUND THE CORNER & FIXED INTO THE ADJOINING WALL.
 - (f) WHERE A CRACK IS WITHIN 500mm OF AN OPENING (AS PER 'B' ABOVE) THE HELICAL ROD IS TO BE BENT BACK AND FIXED INTO THE REVEAL.

CRACK STITCHING - GENERAL



Issue	Date	Description	Job	Date	Scale
A		NOT ISSUED	BEEHIVE COMPANY GOLD MINE CHIMNEY NIALDON REMEDIAL WORKS STAGE I	MAY 25	AS NOTED
B	29/5/25	FOR TENDER & BP APPLICATION		Designed JS	Drawn JS
			Title DETAILS & SECTIONS	Job No 7755	Drawing No 5402