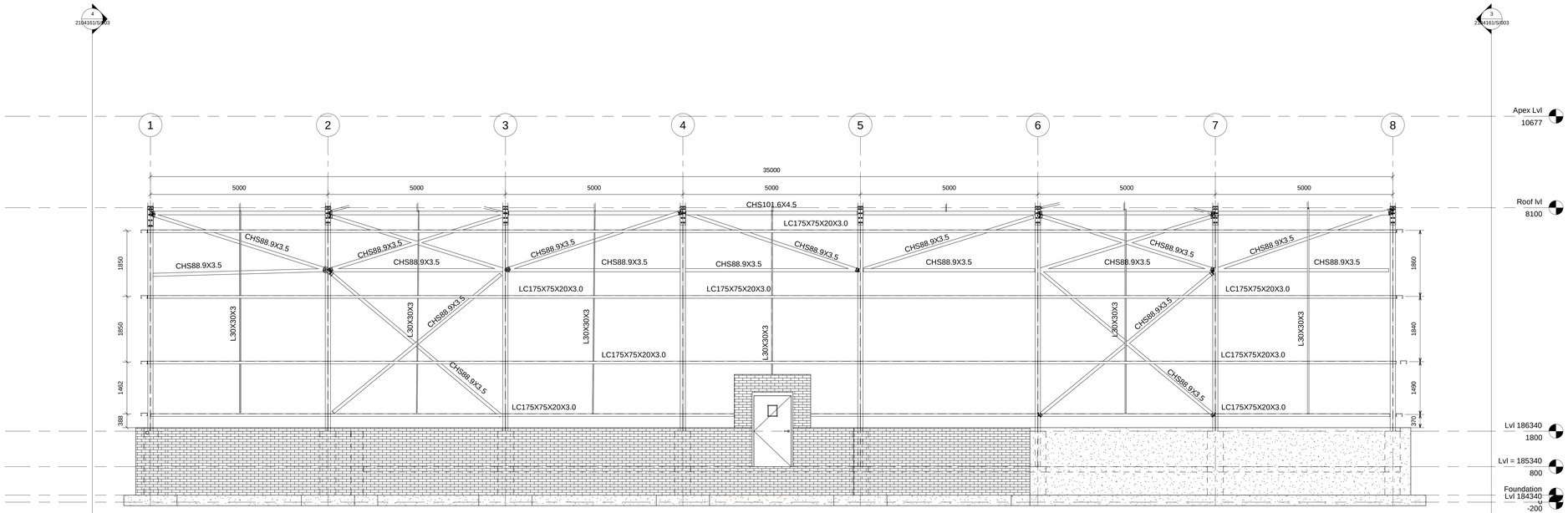
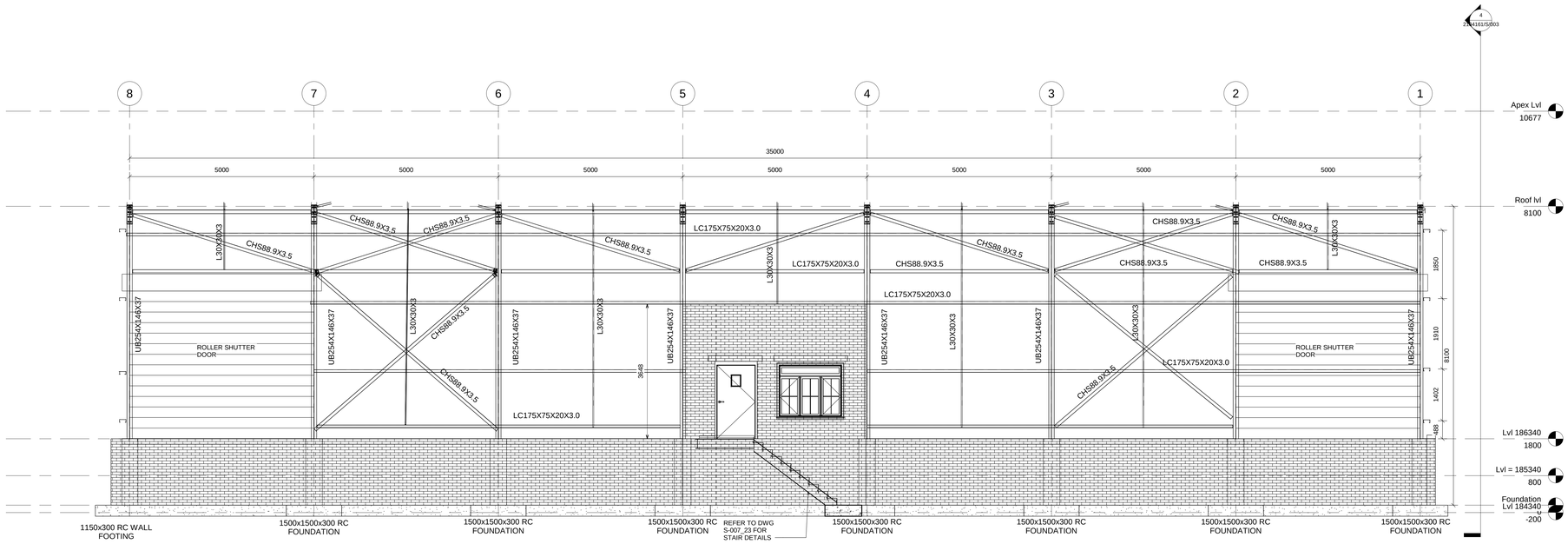


SECTIONAL ELEVATION 1
SCALE: 1:50



SECTIONAL ELEVATION 2
SCALE: 1:50

LEGEND

Column Section=254x146x37 I-Section

Rafter Section = 254x146x37 I-Section

Purlin Section =175x175x20x3.0 CFLC

Girt Section =175x175x20x3.5 CFLC

Sag Bar Section= 30x30x3 RSA +4mm Endplate with 1M10 (8.8) Bolt.

Roof Bracing Section = 48.4x3.5 CHS

Side Bracing Section = 88.9x3.5 CHS

Horizontal Strut Between Columns= 101.6mm Dia x4.5mm THICK CHS.

Gable Column Section = 152x152x37 UC

Knee Bracing Section = 50x50x3 RSA

Eave Beam Section = 101.6x4.5 CHS

Gable End Trimmer = 60x60x4 RSA

GENERAL NOTES:

FOR COMPLETE STRUCTURAL NOTES REFER TO DRAWING NR: 2104161-S-000

1. THIS SET OF DRAWINGS IS TO BE READ IN CONJUNCTION WITH THE RELEVANT DRAWINGS FROM OTHER DISCPLINES AND ANY DISCREPANCIES BETWEEN THEM SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

2. NO SCALING OF DIMENSIONS IS PERMITTED ON THESE DRAWINGS, ONLY WRITTEN DIMENSIONS WHICH, UNLESS NOTED OTHERWISE(u.n.o), ARE GIVEN IN MILLIMETERS, MAY BE DEEMED CORRECT. IF ANY DIMENSION SEEMS DOUBTFUL, THE ENGINEER SHALL BE CONSULTED.

3. ALL EXISTING DIMENSIONS ARE TO BE CHECKED ON SITE AND CORRELATED WITH THE CIVIL ENGINEER'S DRAWINGS BY THE CONTRACTOR. ANY DISCREPANCIES OR VARIATIONS FROM THE DRAWINGS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. NO WORK SHALL COMMENCE NOR ANY MATERIAL BE ORDERED UNTIL THE ENGINEER IS NOTIFIED ACCORDINGLY.

4. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL MATERIAL SHALL COMPLY AND ALL WORKMANSHIP SHALL BE EXECUTED IN STRICT ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS SHOWN ON THESE DRAWINGS, THE LATEST REVISION OF SANS 10400,SANS 2001,THE NATIONAL BUILDING REGULATIONS (NBR) AND THE LATEST EDITIONS OF THE RELEVANT SANS CODES OF PRACTICE AND STANDARD METHODS. IRRESPECTIVE OF WHETHER THE ENGINEER HAS INSPECTED THE WORKS ON SITE OR NOT. WHERE A SABS CODE HAS BEEN REPLACED BY A SANS CODE IT IS DEEMED THAT THE LATEST VERSION OF THE RELEVANT CODE IS APPLICABLE.

5. ALL WATERPROOFING DETAILS TO BE IN CONJUNCTION WITH THE ENGINEER'S SPECIFICATIONS AND INSTRUCTIONS, U.N.O.

6.ALL BRICKWORK SETTING OUT TO BE DONE ACCORDING TO THE ENGINEER'S DRAWINGS.

7.ALL CONCRETE SETTING OUT TO BE DONE ACCORDING TO THE ENGINEER'S DRAWINGS.

8. NO SERVICES SHOWN ON DRAWINGS.

9.STEEL MANUFACTURER AND TIMBER ROOF DESIGN AND SUPPLY CONTRACTOR.TO SUBMIT DRAWINGS TO THE ENGINEER FOR APPROVAL BEFORE COMMENCING WITH MANUFACTURING.

STEEL NOTES:

1.	REFER TO DRG. 210\421-S-000 FOR GENERAL NOTES AND SPECIFICATIONS.
2.	THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT's DRAWINGS, DETAILS & SPECIFICATIONS.
3.	ANY DISCREPANCY TO BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
4.	STEEL FABRICATOR TO DO SITE MEASUREMENTS BEFORE COMMENCING FABRICATION.
6.	SHOP DRAWINGS TO BE SUBMITTED FOR DESIGN INTENT APPROVAL PRIOR TO ANY MANUFACTURE
7.	THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING 210\161-S-005.
8.	ALL SETTING-OUT TO ENGINEER'S DRAWINGS.
9.	PROVIDE 6mm CAPPING PLT's ATOP ALL VERTICAL SUPPORT MEMBERS U.N.O.
10.	NEUTRAL AXES OF ALL CONNECTING MEMBERS INTERSECT U.N.O.
11.	ALL STEEL TO BE S 355 JR. ALL PLATES TO BE MIN. 350W
12.	SEE GENERAL NOTES FOR SPECIFICATION ON FIXING OF STEEL MEMBERS TO CONCRETE.
13.	ALL BOLTS TO BE GRADE 8.8 BOLTS U.N.O.
14.	6mm FILLET WELDS ALL-ROUND U.N.O.
15.	ALL STEEL AND FIXINGS TO BE HOT DIPPED GALVANIZED TO SANS -121
16	NO ELCTROPLATED FIXINGS WILL BE ACCEPTED

FOR TENDER

Rev	Issued by	Description	Date
B	SM	ISSUED FOR TENDER	26/04/2022
A	SM	ISSUED FOR INFORMATION	31/03/2022

Client/Employer

LANGEBERG
MUNISIPALITEIT · MUNICIPALITY · MASIPALA
PEOPLE AT THE CENTRE OF DEVELOPMENT

ELEMENT Consulting Engineers
A FIFTH DIMENSION TO ENGINEERING
Block C, Oxford Gate, 54 Oxford Street, Durbanville, 7550,
P.O. Box 1142, 7551
Tel: +27 21 975 1718
Fax: +27 21 976 8495
E-Mail: info@elceng.co.za

Project

ASHTON
MATERIAL RECOVERY
FACILITY

Plan Description

NORTH AND SOUTH
SECTIONAL ELEVATION

Designed	SM	Scale	AS SHOWN
Drawn	SM	Date	26/04/2022
Checked	JLR 202101796	Approved	MD 980143

Contract No. 2104161 — Drawing Size A0

Drawing No. 2104161-S-004 — Revision B

COPYRIGHT IS VESTED IN
ELEMENT CONSULTING ENGINEERS (PTY) LTD
IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978).