

- NOTE:
REFER TO DRAWING:
- 31319-S21 FOR SECTIONS D & E
 - 31319-S24 FOR SECTIONS C & F
 - 31319-S25 FOR SECTION B1
 - 31319-S26 FOR SECTION B2
 - 31319-S14 & S27 FOR STRUCTURAL STEEL DETAILS

Architect's Notes: Please allow for the following columns to be painted at first floor level

- F5 / FB
- F5 / FC
- F5 / FG
- F5 / FH
- F5 / FI
- F5 / FK
- F5 / FL
- F3 / FG
- F3 / FH
- F3 / FK
- F3 / FL
- 10.F2 / FH

Paint Specification: (See 31309-S27 SH 3 OF 3)

MEMBER SCHEDULE		
MARK	SECTION	COMMENTS
SC1	203/203/80	COLUMN
SC2	152/152/97	STUB COLUMN
B1	254/146/43	BEAM
H1	400/178/67	HIP RAFTER
H2	254/178/43	HIP RAFTER
R1	254/146/43	RAFTER
R2	400/178/67	RAFTER
R3	400/178/67	RAFTER
P1	150/75/20/2.5	PURLINS
P2	125/65/20/3.0	PURLINS
FR	100/100/9.2	FALSE RAFTER
BR	70/70/9.2	ROOF BRACING
BR1	101/62.5/9.2	ROOF BRACING

REVISIONS		
Rev.	Date	Description
01	18-11-2024	D.J.P.
CONSTRUCTION		

PLEASE READ THOROUGHLY!!!!

GENERAL NOTES:

- All work to be carried out in accordance with the latest issue of SANS 1200 unless noted otherwise.
- All setting out to Architect's details.
- Piles, pile caps, ground beams, footings, and columns are central on grid lines unless shown otherwise.
- Contractor to check all dimensions and levels prior to commencing work on site, and any discrepancies to be reported to the Engineer immediately.

- CONCRETE NOTES:
- Binding concrete to be placed below all pile caps, ground beams, and footings and shall be a minimum of 50mm thick.
 - Concrete mix design to SANS 10100. Design loads from SANS 10160 and Client's specification.
 - Concrete mix designs to be submitted to Engineer for approval prior to commencement of work. Only Engineer-approved admixtures to be used.
 - Foundations designed for a bearing pressure of 80kPa. Refer to DRENNAN MAUD (PTY) LTD Report Ref. 22649P.
 - All concrete to have a minimum compressive strength at 28 days as follows:
 - Blinding: 15 MPa / 25mm
 - Foundations: 25 MPa / 25mm
 - Columns: 30 MPa / 19mm
 - Surface Beds: 25 MPa / 19mm
 - Suspended Slabs & Beams: 30 MPa / 19mm
 - Concrete cover to main reinforcement:
 - Foundations: 50 mm
 - Columns: 30 mm
 - Surface Beds: 50 mm
 - Suspended Slabs & Beams: 30 mm
 - All concrete work, including formwork stripping times and propping, to SANS 1200-G8.
 - Formwork classification:
 - Concealed surfaces: Rough
 - Exposed surfaces (unless otherwise shown): Smooth (off-shutter) to Grade II tolerances.
 - Exposed surfaces (where specified by architect): Smooth-special to SANS 2001-CC1:4.3.1.8 Table 1.Degree of accuracy: Table 11.
 - All sharp edges to concrete to have 25mm chamfers.
 - Uniformed surface finishes as follows:
 - Surface Beds: Power-floated
 - Suspended Slabs: Power-floated
 - All services and sleeves to be positioned prior to concrete pour. No in situ concrete to be cast without prior approval from the Engineer.
 - The positions of all construction joints not shown on the drawings are to be discussed with and approved by the Engineer.

- REFER TO DRAWING 3119-S20 - GENERAL NOTES
- STEEL NOTES:
- Contractor to check all dimensions on site prior to fabrication. Any discrepancies to be reported to the Engineer immediately.
 - No steelwork is to be fabricated prior to the Engineer's approval of shop drawings.
 - Steelwork grades shall be as follows:
 - Hot rolled sections: Grade S355JR to EN10025-2
 - Hot rolled angles 50x50 and under and cold rolled open sections: Grade "CQ" (Commercial Quality steel to SANS 10162)
 - Hot formed hollow sections: Grade 355W to SANS 657-1.
 - All hot rolled steelwork to be painted in accordance with the project specification.
 - All cold rolled steelwork to be hot dip galvanized to SANS 121 and treated with a suitable degreasing agent.
 - The ends of all tubular and hollow sections are to be sealed with nominal thickness plates and continuous fillet welds unless shown otherwise.
 - All gusset and end plates to be 10mm unless shown otherwise.
 - Unless shown otherwise, purins and girts shall be continuous over at least two spans.
 - All welds to be full strength U.O.N.
 - Welding shall be performed by a certified welder in accordance with the requirements laid down in the latest issue of SANS 10044.
 - Welds shall be firm continuous fillet welds with ET/XXX Electrodes unless shown otherwise.
 - Unless shown otherwise, all bolts shall be M16 Grade 4.8 to SABS 135.
 - Exposed ends of holding-down bolts shall be protected from damage during and after placement of concrete.
 - The Contractor shall provide and leave in place until permanent bracing elements are constructed, such temporary bracing as is necessary to stabilise the structure during erection.

REFER TO DRAWING 3119-S20 - GENERAL NOTES

IF IN DOUBT, ASK!!

HEALTH DEPARTMENT SIGNATURES

DEPUTY DIRECTOR GENERAL: _____

HEAD OFFICE PROGRAMME / SERVICE: _____

DISTRICT MANAGER: _____

CEO MANAGER OF THE FACILITY: _____

DOH PROJECT MANAGER: _____

IMPLEMENTING AGENT PROJECT MANAGER: _____

PROFESSIONAL SERVICE PROVIDER:

Name: **S. Boyce (Pr. Eng. 20160768)**

Date: **04/10/2024**

Signature: _____

Consultant:

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 **health** Department: Health PROVINCE OF KWAZULU-NATAL

 **KWAZULU-NATAL PROVINCE** PUBLIC WORKS REPUBLIC OF SOUTH AFRICA

SOUTHERN REGION

Project: **DEPARTMENT OF HEALTH PORT SHEPSTONE HOSPITAL NEW PSYCHIATRIC WARD**

Drawing description: **STRUCTURAL STEEL SECTIONAL ELEVATIONS**

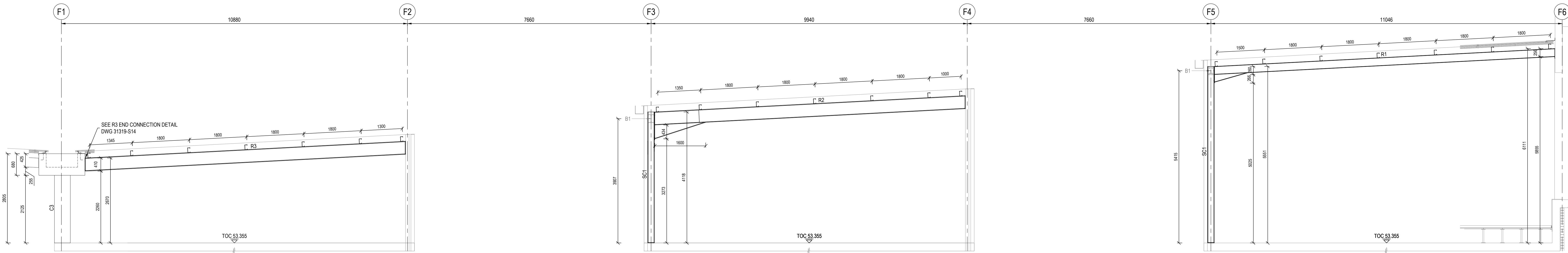
Drawn: L.B.U./D.J.P. Date: 27-06-2024

Scale/s: As shown

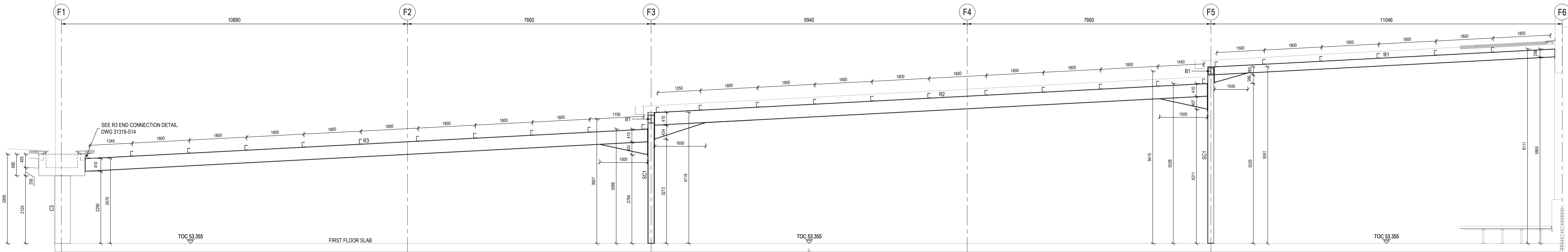
Consultant Drawing number: **31319-S27 SH1of3** Rev. C0

Drawing number: **WIMS 044 044 / S / 27 SH1of3 / C0**

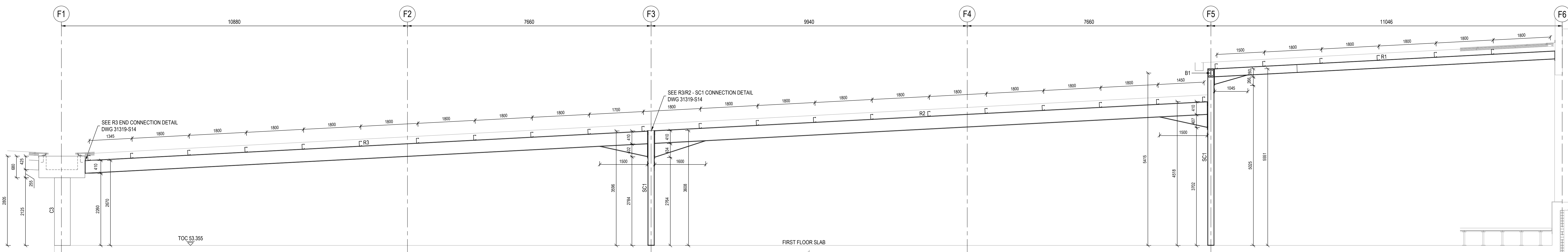
Stamped by Health Plans Approval Committee



SECTIONAL ELEVATION ON GRID FA
SCALE 1:50



SECTIONAL ELEVATION ON GRID FB & FC
SCALE 1:50



SECTIONAL ELEVATION GRID FD
SCALE 1:50