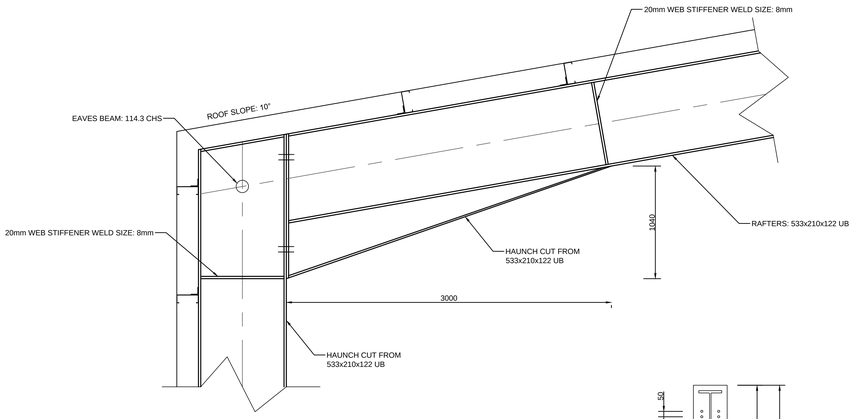
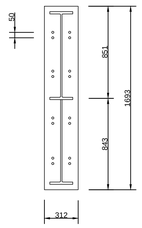
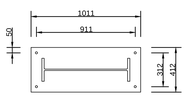
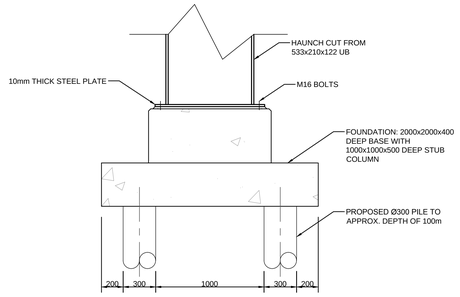
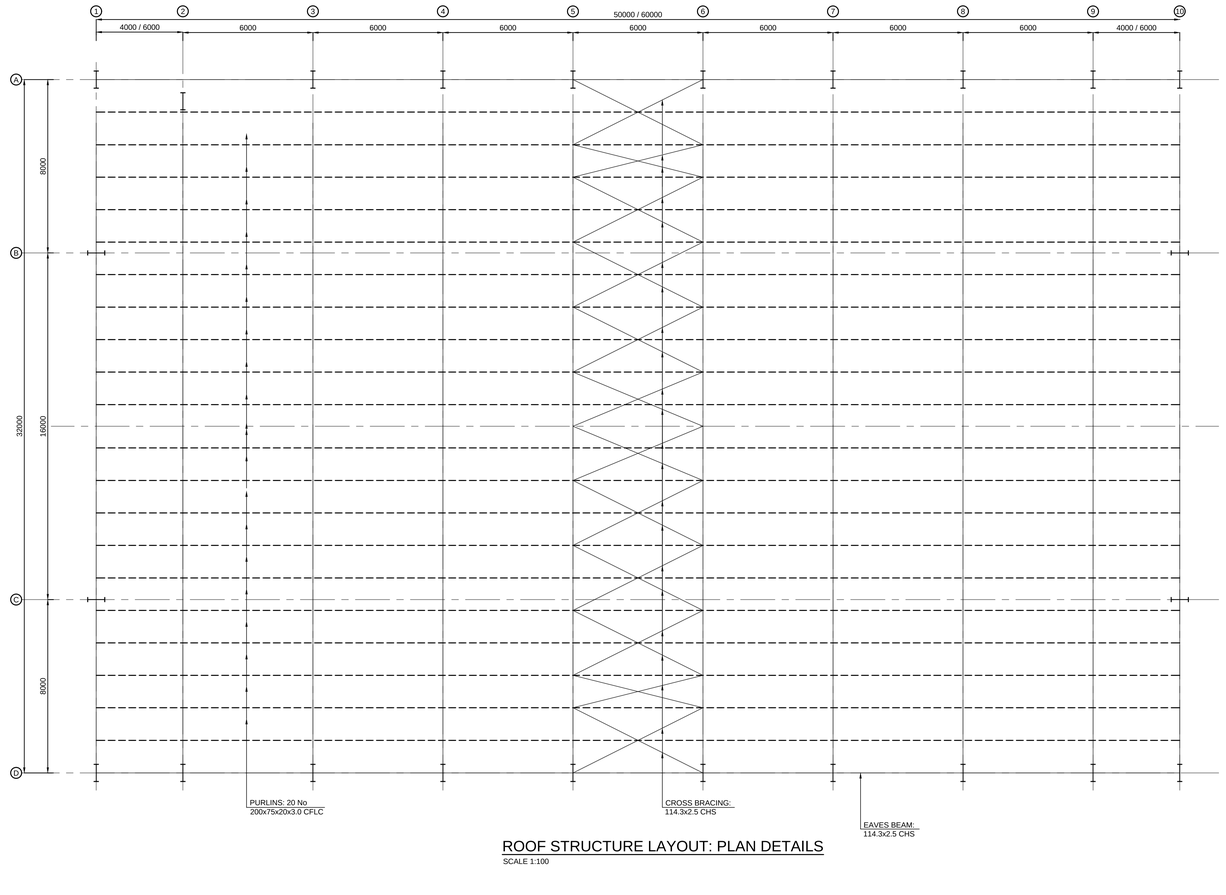




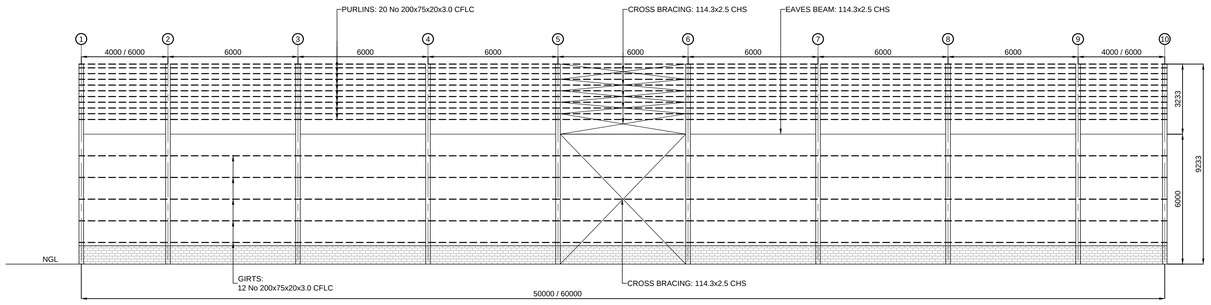




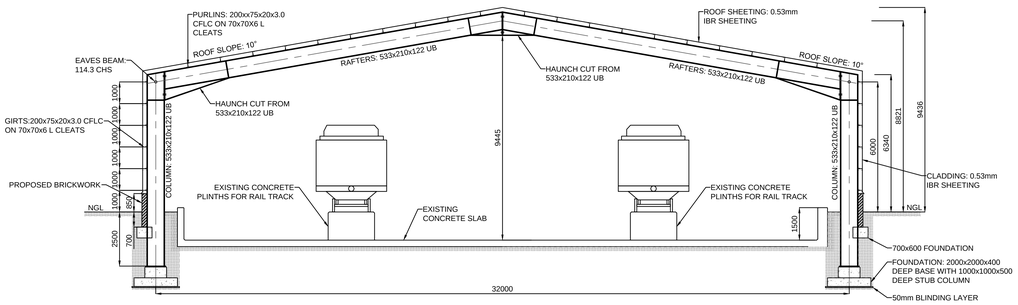
FOUNDATION DETAIL
SCALE 1:50



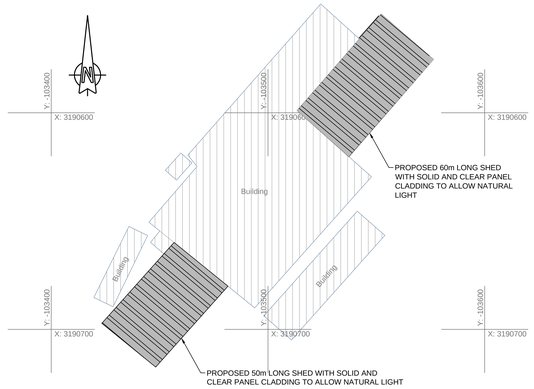
ROOF STRUCTURE LAYOUT: PLAN DETAILS
SCALE 1:100



COUPLING AND UNCOUPLING STRUCTURE: SIDE ELEVATION DETAILS
SCALE 1:100



COUPLING AND UNCOUPLING STRUCTURE: SECTION DETAILS
SCALE 1:100



KEY PLAN
SCALE 1:1000

DRG. No.	REFERENCE DRAWINGS

NOTES IN RESPECT OF S A STANDARD CODE OF PRACTICE FOR THE APPLICATION OF THE NATIONAL BUILDING REGULATIONS, SANS 10400

PROJECT CONSTRUCTION NOTES

1. CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. REFER TO ANT DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORKS.
3. OBTAIN ENGINEER'S WRITTEN AUTHORISATION FOR ALL AMENDMENTS PRIOR TO COMMENCEMENT OF WORKS.

STRUCTURAL STEEL

1. ALL STEELWORK TO BE MANUFACTURED IN ACCORDANCE WITH SANS 1200H
2. ALL STRUCTURAL DRAWINGS TO BE READ IN CONJUNCTION WITH OTHER RELEVANT DRAWINGS
3. ALL STEELWORK TO BE MANUFACTURED FROM GRADE 300W STEEL UNLESS OTHERWISE NOTED.
4. ANCHOR BOLTS TO BE INSTALLED IN ACCORDANCE WITH STEEL MANUFACTURERS APPROVED ANCHOR BOLT LAYOUT DRAWING.
5. ALL PLATES TO BE 5MM THICK UNLESS OTHERWISE NOTED.
6. ALL FILLET WELDS TO BE 6MM CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
7. ALL BOLTED CONNECTIONS TO HAVE A MINIMUM OF M16 GRADE 8.8 CHROMATE PASSIVATED ELECTRO-GALVANISED BOLTS, UNLESS OTHERWISE NOTED.
8. ALL BASE PLATES TO BE CAULKED WITH HIGHLY 1:1 SEMI-DRYSAND: CEMENT GROUT.
9. PURLINS AND SHEETING RAILS TO BE TO BE CONTINUOUS OVER A MINIMUM OF TWO BAYS UNLESS OTHERWISE NOTES.
10. THE PURLINS ARE TO HAVE 35MM LONG SLOTED HOLES AT MOVEMENT JOINTS AND THE NUTS ARE TO BE FINGER TIGHT WITH LOCK NUTS. THE SLOTTED HOLES ARE TO BE ON THE SIDE IN WHICH "MOVEMENT JOINT" IS WRITTEN.

ANTI-CORROSIVE TREATMENT

1. GALVANISING
2. *ALL LIPPED CHANNELS TO BE HOT DIP GALVANISED TO SANS ISO 1461:1999
3. *ERECTION BOLTS ARE TO BE DEGREASED PRIOR TO ERECTION AND TO BE PAINTED TO THE ABOVE SPECIFICATION AFTER ERECTION.
4. *ALL GALVANISING TO BE SOURCED FROM AN APPROVED DIPS MANUFACTURER AND TO BE APPLIED IN ACCORDANCE WITH THE MANUFATURER'S SPECIFICATION.

*NOTE
PREPARATION FOR A DUPLEX SYSTEM CONCERNS THE PREPARATION OF THE HOT DIPPED GAVANISED SURFACE TO ACCEPT THE SUBSEQUENT COATINGS. TWO FORMS OF SURFACE PREPARATIONS ARE RECOMMENDED:

- CHEMICAL CLEANING WITH GALVANISED IRON CLEANER.
- SWEEP BLASTING (MICRO-BLAST), BUT NOT SHOT BLASTING.

REV	DESCRIPTION	DATE	REV BY	CHKD
A	ISSUED FOR TENDER	SEP 2020	MM	XD

DESIGNED	X. DUBAZANE, PrEng	
DRAWN	M. MTHEMBU	
CHECKED	F. KAMBA, PrEng	

APPROVED :
PROJ. PRINCIPAL: X DUBAZANE, PrEng
SIGNATURE : .....
DATE : .....

CLIENT:
TRANSNET ENGINEERING
311 Solomon Mahlangu Drive
Rossburgh
Durban
4001

CONSULTANT:
Zelda Consulting Engineers
405 Jabu Ndlovu Street
Pietermaritzburg Tel: 033 332 0902
3201 Fax: 086 471 3609
Email: info@zeldagoup.co.za

PROJECT/DRAWING TITLE
COUPLING AND UNCOUPLING STRUCTURES AT SOUTH DUNES WAGONS MAINTENANCE DEPOT, RICHARDS BAY

GENERAL ARRANGEMENT AND DETAILS

SCALE	SHEET
AS_SHOWN	1OF1
CONTRACT No. TE20-14223	PROJECT No. TE-SDN-001
DRAWING No. TE-SDN-001-1	REV A

DRAWING SIZE : A0