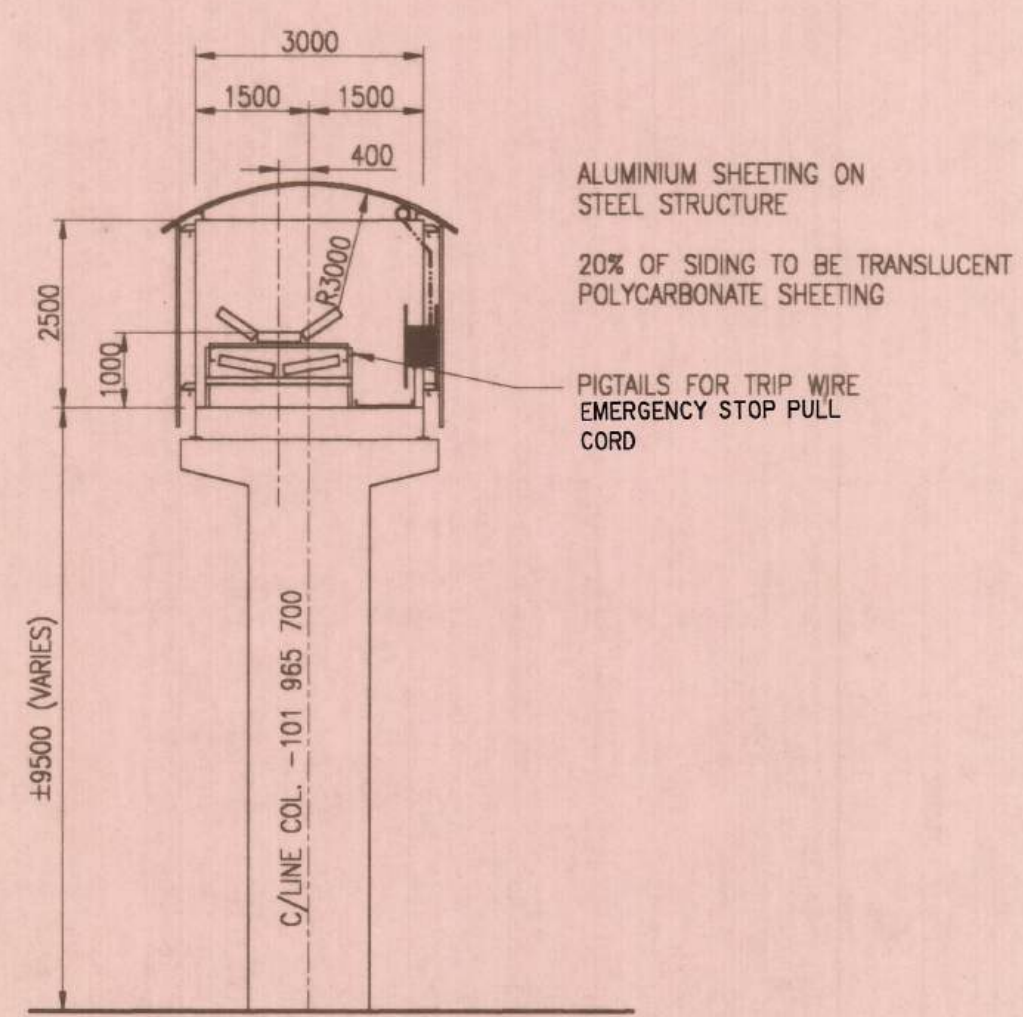
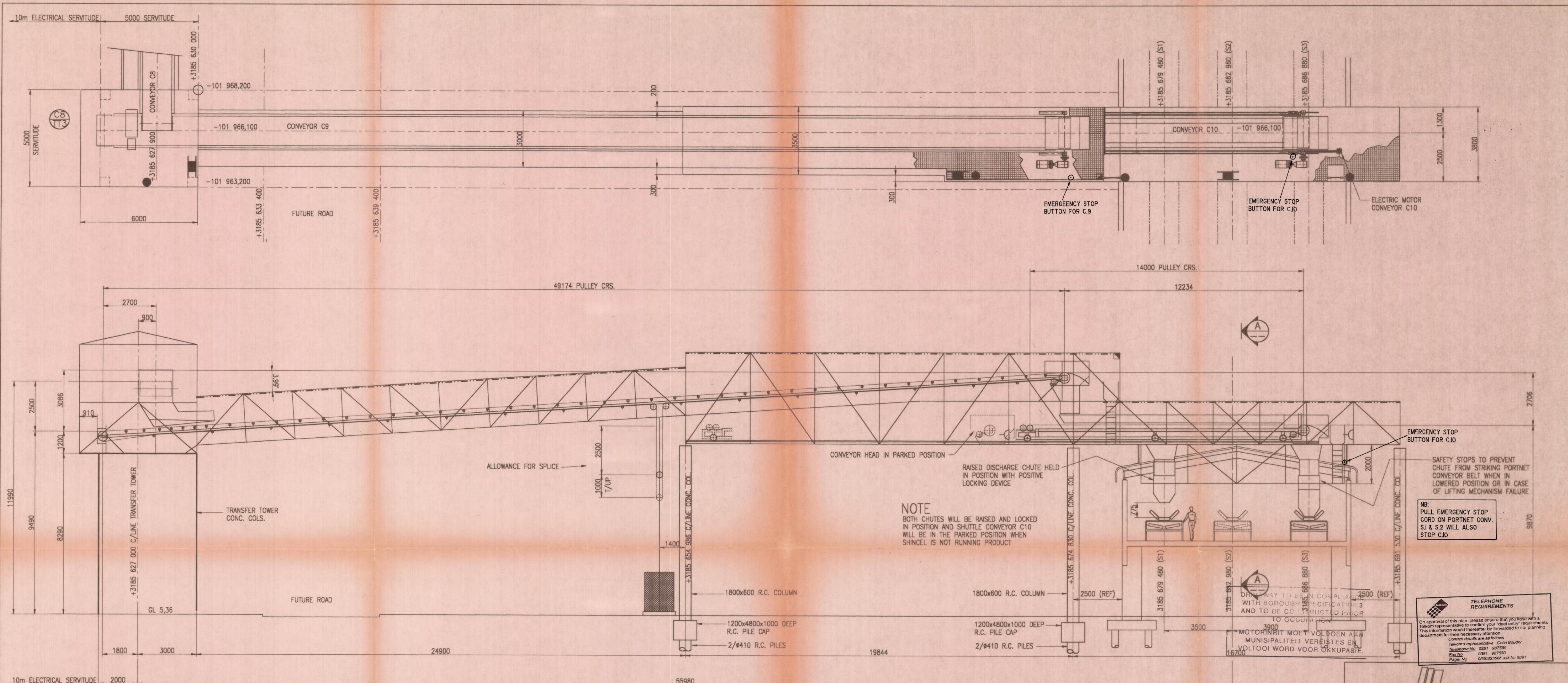
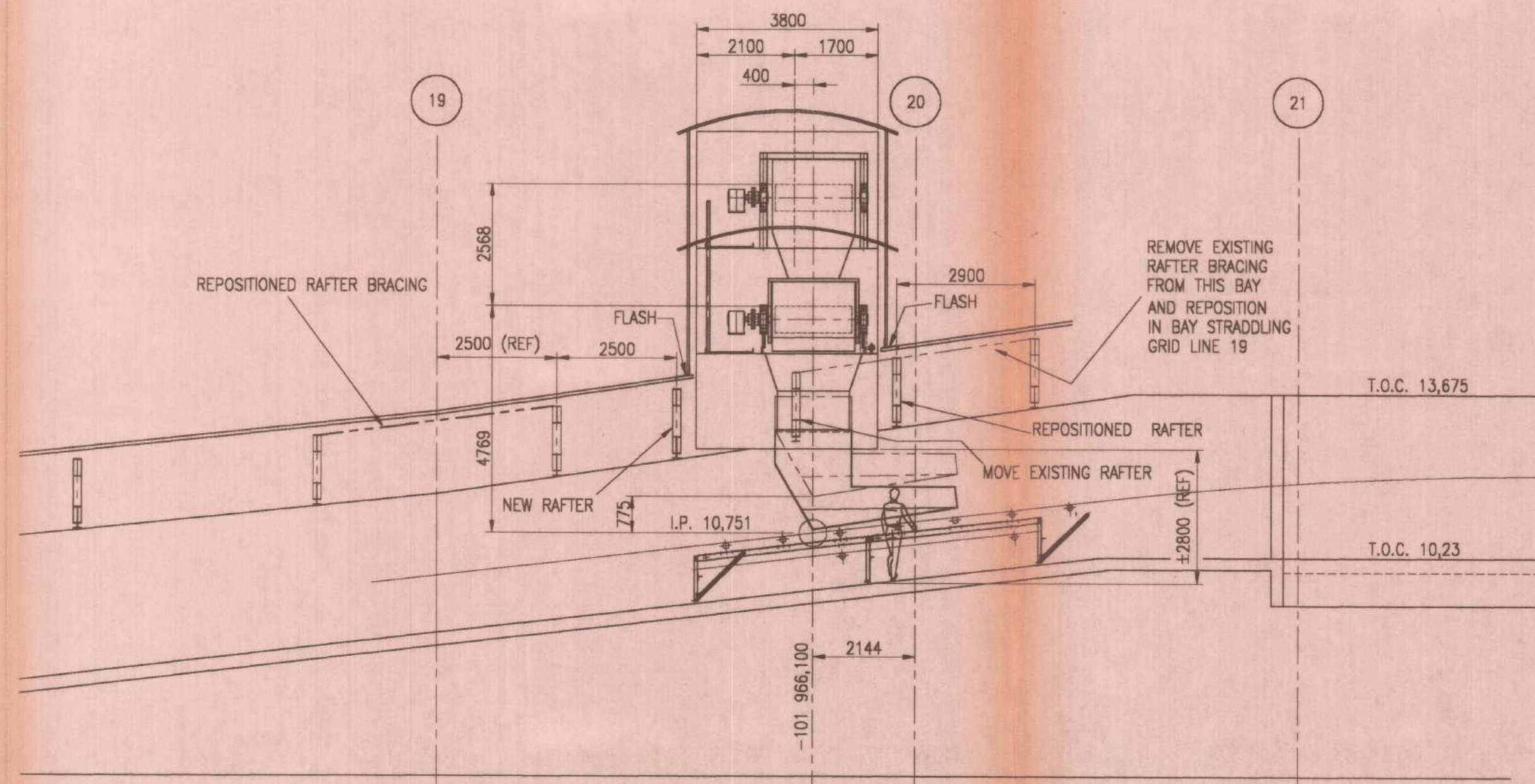




TYPICAL SECTION THROUGH GANTRY



CONVEYOR C.9
AREA 186,86 sqm

CONVEYOR C.10
AREA 53,20 sqm

LEGEND

● 9kg PORTABLE FIRE EXTINGUISHER

— 30m FIRE HOSE REEL

SIGNAGE IN ACCORDANCE WITH SABS 0400 T OCCUPANCY CLASS D4

ALLE WERK MOET VOLDOEN AAN DIE WET OP NASIONALE BOUWREGULASIES EN BOUWSTANDAARDE (WET NO. 103 VAN 1977)

ALL WORK TO COMPLY WITH NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT (ACT 103 OF 1977)

SEWER TO COMPLY WITH NATIONAL SEWER SYSTEM REGULATIONS WITH NBRI REQUIREMENTS.

Shinigel

WOODCHIP PLANT

RICHARDS BAY HARBOUR
CONVEYOR C9 & C10

BUILDING PLAN SUBMISSION
AND FIRE PROTECTION

REVISIONS	WYSIGINGS
Date	
By	
2022/09/01	
1999-08-18	
By	
W. J. VAN DER MERWE	

MUNISIPALITEIT RICHARDSBAY
BOUWSEKTOER

GOEDGEKOR / APPROVED

1999-11-08

BUILDING INSPECTORATE
BOROUGH OF RICHARDS BAY

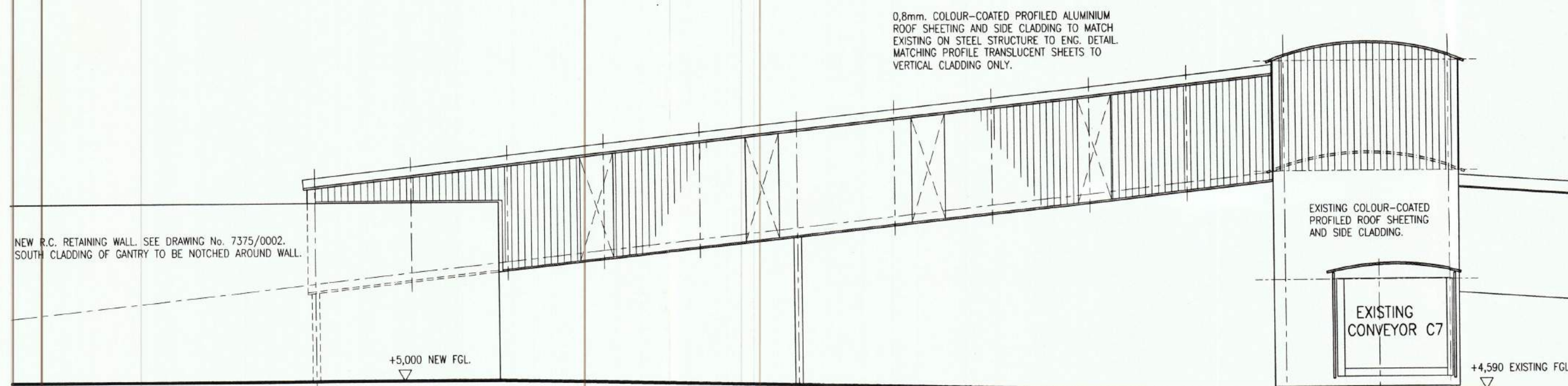
Scott Wilson Chrystal
CONSULTING CIVIL AND STRUCTURAL ENGINEERS & PLANNERS

56 Anglers Road, Meerensee : P O Box 189, Richards Bay 3900
Telephone (0351) 753 1213 : Fax no. (0351) 753 2030

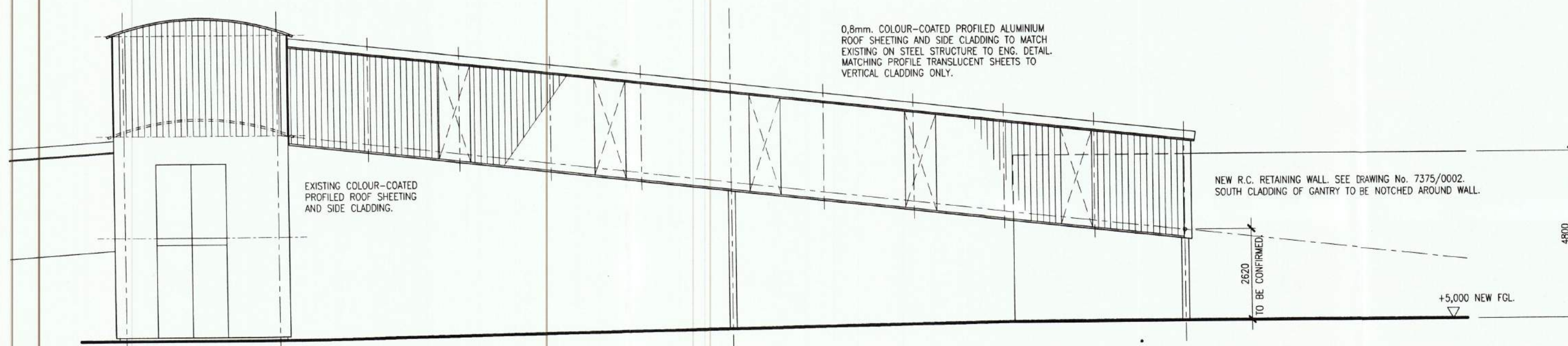
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Drawn:	Date:	1:100
Checked:		
Project number	Drawing number	Revision
RB827	827-B-219	

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED AND ONLY WRITTEN DIMENSIONS SHALL BE USED

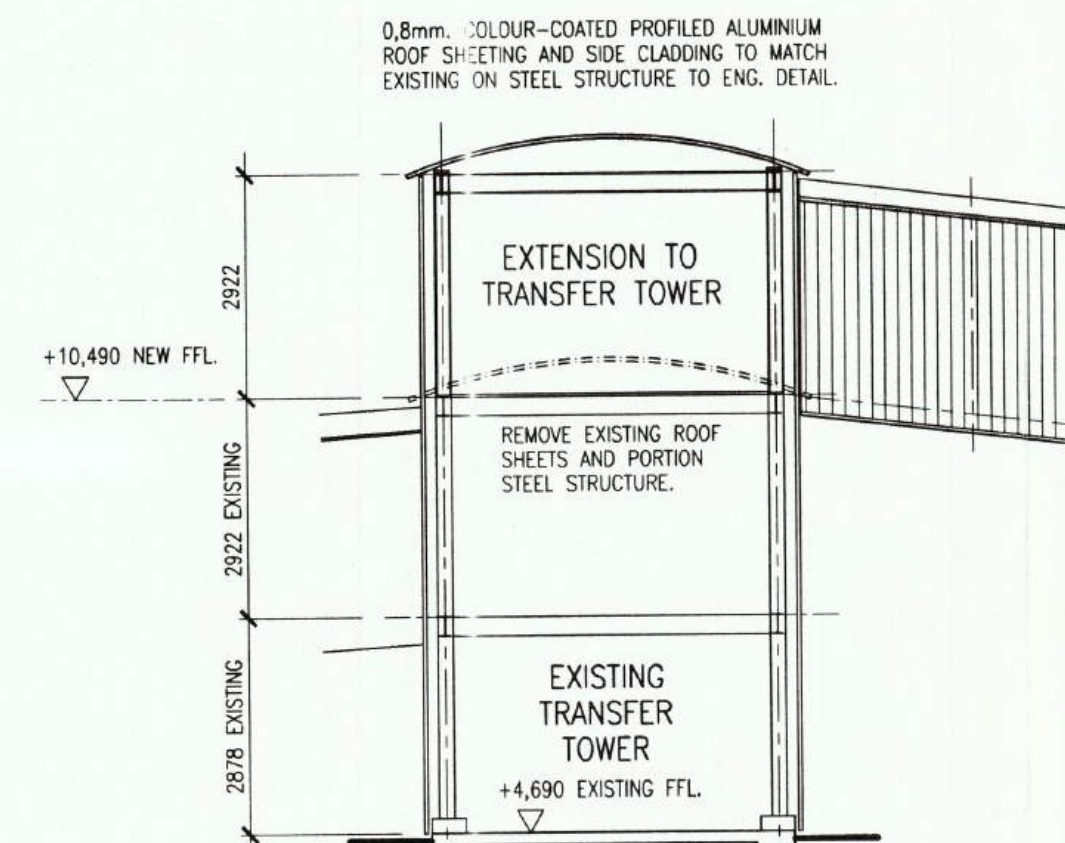
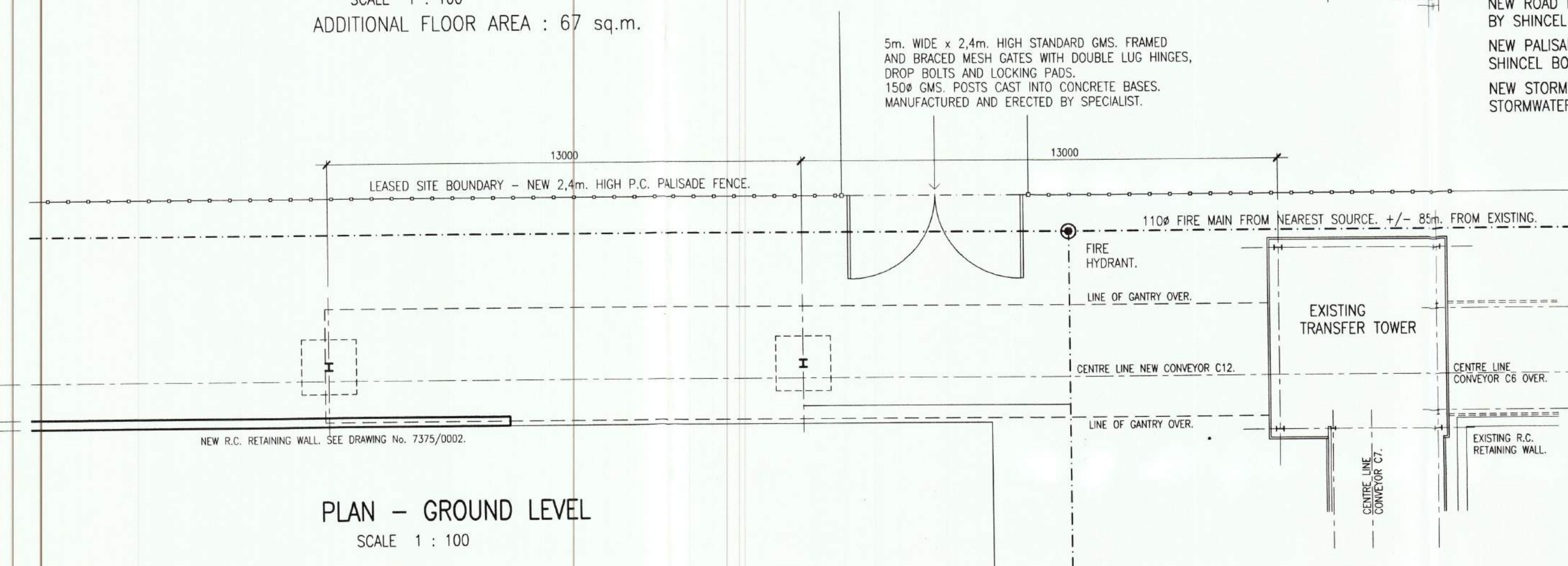
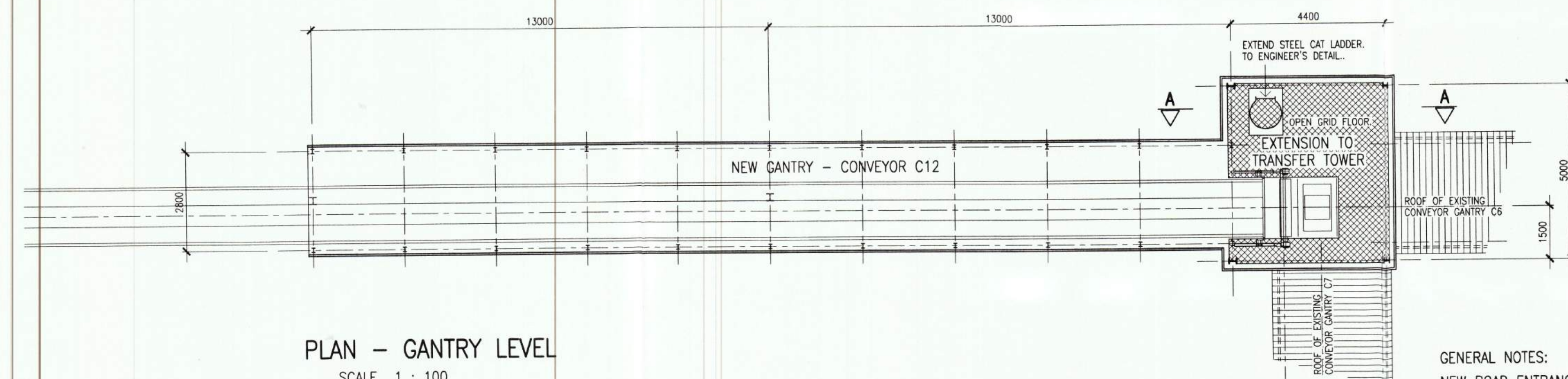
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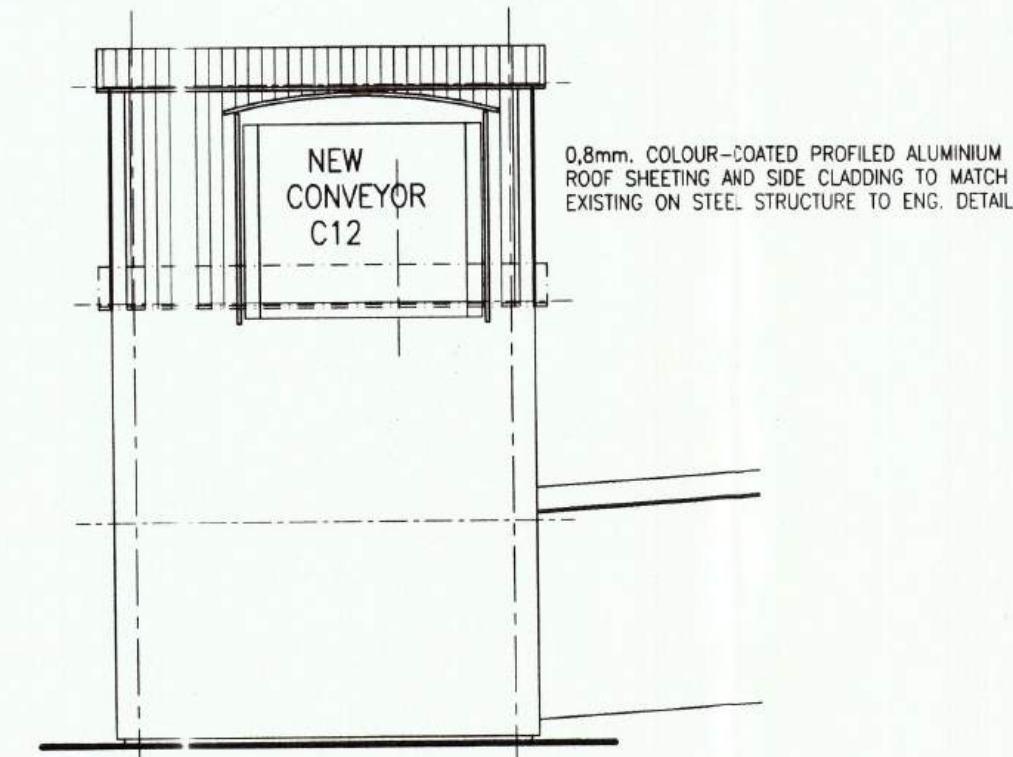
SOUTH ELEVATION



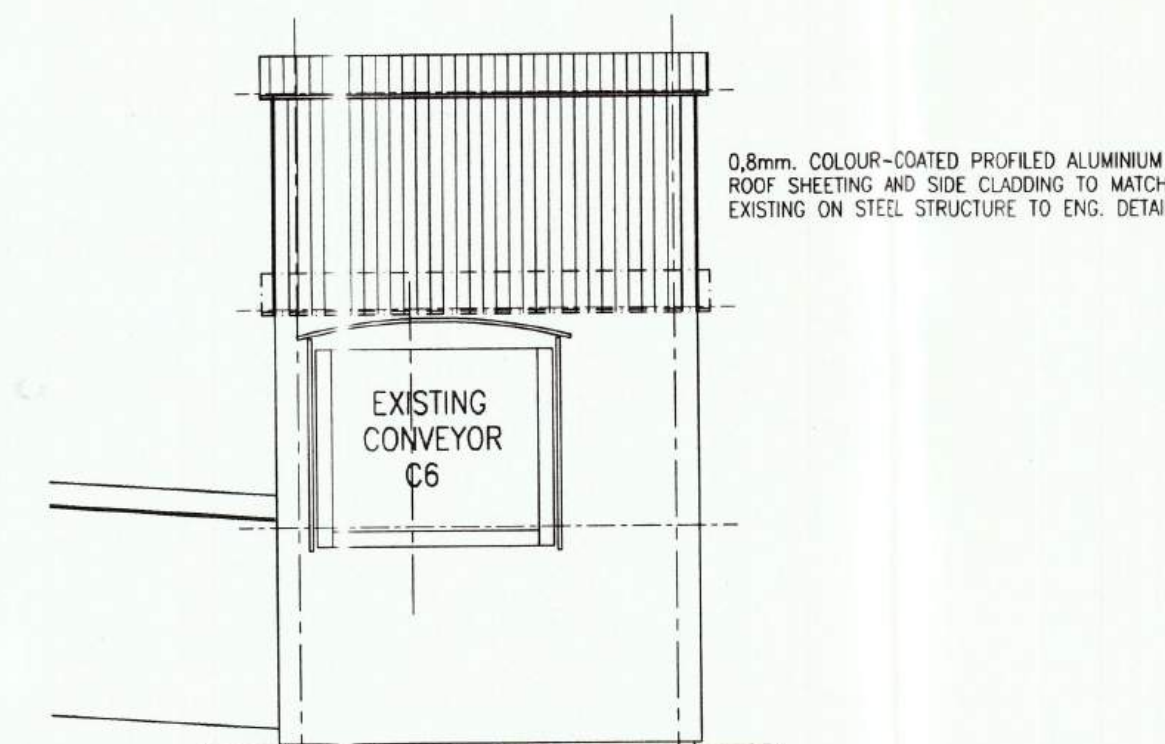
NORTH ELEVATION



SECTION A-A



WEST ELEVATION



EAST ELEVATION

GENERAL NOTES:

NEW ROAD ENTRANCE TO BE CONSTRUCTED BY SHINCEL TO PORT AUTHORITY SPECIFICATION.

NEW PALISADE FENCE TO BE WITHIN THE SHINCEL BOUNDARY.

NEW STORMWATER TO BE PIPED TO EXISTING STORMWATER CHANNEL.

GENERAL NOTES :

- ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY BUILDING WORK COMMENCES. THIS DRAWING IS NOT TO BE SCALED. ANY DISCREPANCIES TO BE REFERRED TO THE ENGINEER OR ARCHITECT.
- ANY TRADE OR PRODUCT NAME STATED TO READ SIMILAR OR APPROVED.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, SCHEDULES AND SPECIFICATIONS, INCLUDING ENGINEERS DETAILS RELATING TO THIS PROJECT.
- ALL BUILDING WORK AND MATERIALS ARE TO COMPLY WITH SABS.0400-1990.
- ALL REINFORCED CONCRETE FOUNDATIONS, COLUMNS, SLABS AND BEAMS ARE TO ENGINEER'S DETAIL.
- ALL STRUCTURAL STEEL CONSTRUCTION IS TO ENGINEERS DETAIL.

FIRE NOTES :

- FIRE STABILITY OF STRUCTURAL ELEMENTS OR COMPONENTS TO COMPLY WITH PART IT7 OF SABS.0400-1990.
- FIRE HYDRANTS PROVIDED TO COMPLY WITH PART IT35 OF SABS.0400-1990.
- FIRE HOSE REELS PROVIDED TO COMPLY WITH PART IT34 OF SABS.0400-1990.
- FIRE EXTINGUISHERS PROVIDED TO COMPLY WITH PART IT37 OF SABS.0400-1990.
- SIGNAGE PROVIDED TO COMPLY WITH PART IT29 AND 32 OF SABS.0400-1990.
- WATER RETENTION FOR FIRE FIGHTING EQUIPMENT TO COMPLY WITH PART W OF SABS.0400-1990.
- ROOF ASSEMBLIES AND COVERINGS OF THE BUILDING TO COMPLY WITH PART 12 OF SABS.0400-1990.

DRAWING OFFICE COPY

19 JAN 2003

PORT AUTHORITY REQUIREMENTS ADDED FOR APPROVAL

Revision Details

Drawing Number	0003	Revision	B
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Shingel
WOODCHIP PLANT

RICHARDS BAY HARBOUR

Drawing Title

EXTENSION TO EXISTING WOODCHIP PLANT

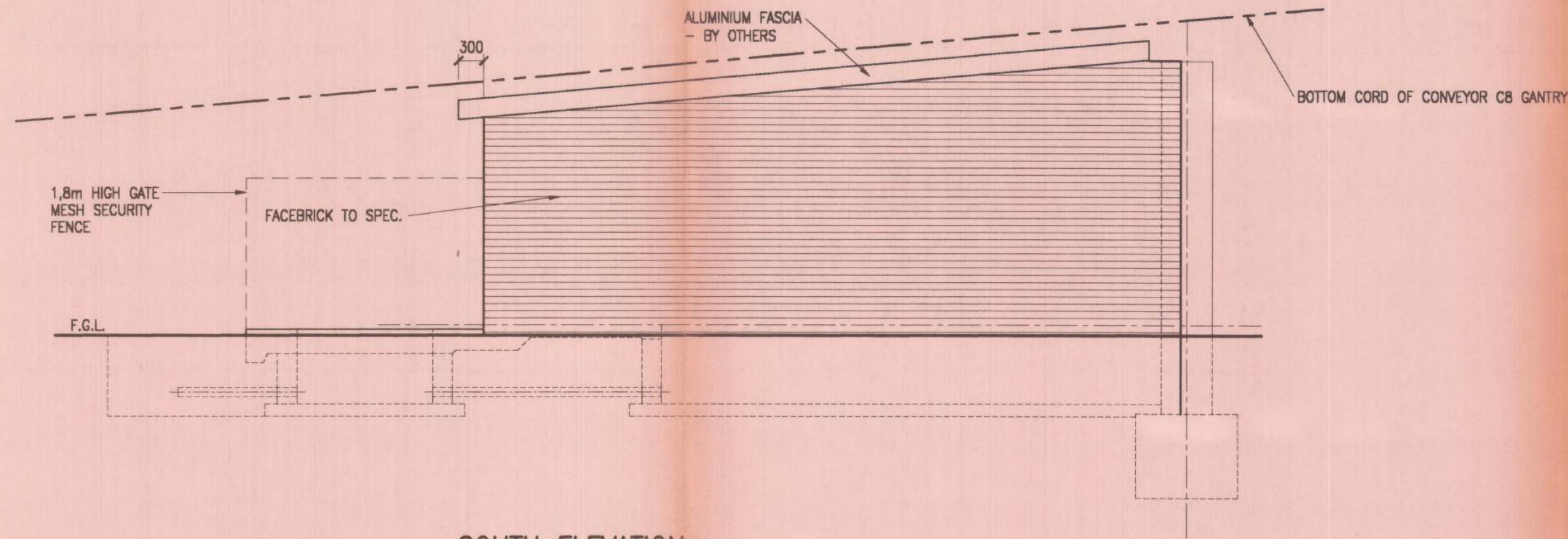
PLAN SECTION AND ELEVATION TRANSFER TOWER EXTENSION

Scale at A0 1 IN 100

Drn	REH	Designed	H.McG.	Appd
Chk		Tech Chk	Det Chk	Date
				15.11.2002

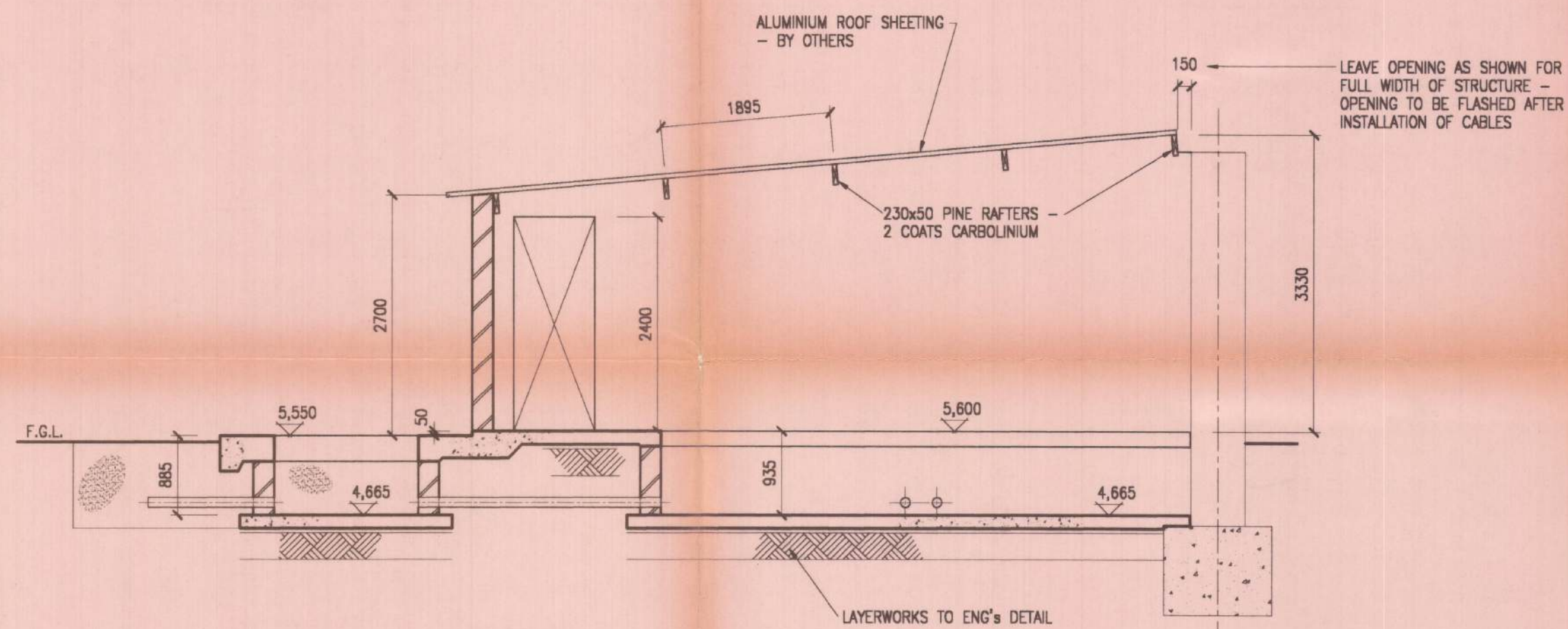
SIVEST SA (PTY) LTD
4. Pencarrow Crescent
La Lucia Ridge Office Estate
Umhlanga Rocks 4320
South Africa
Tel +2731 5662201
Fax +2731 5662371
email: info@sivest.co.za

SIVEST



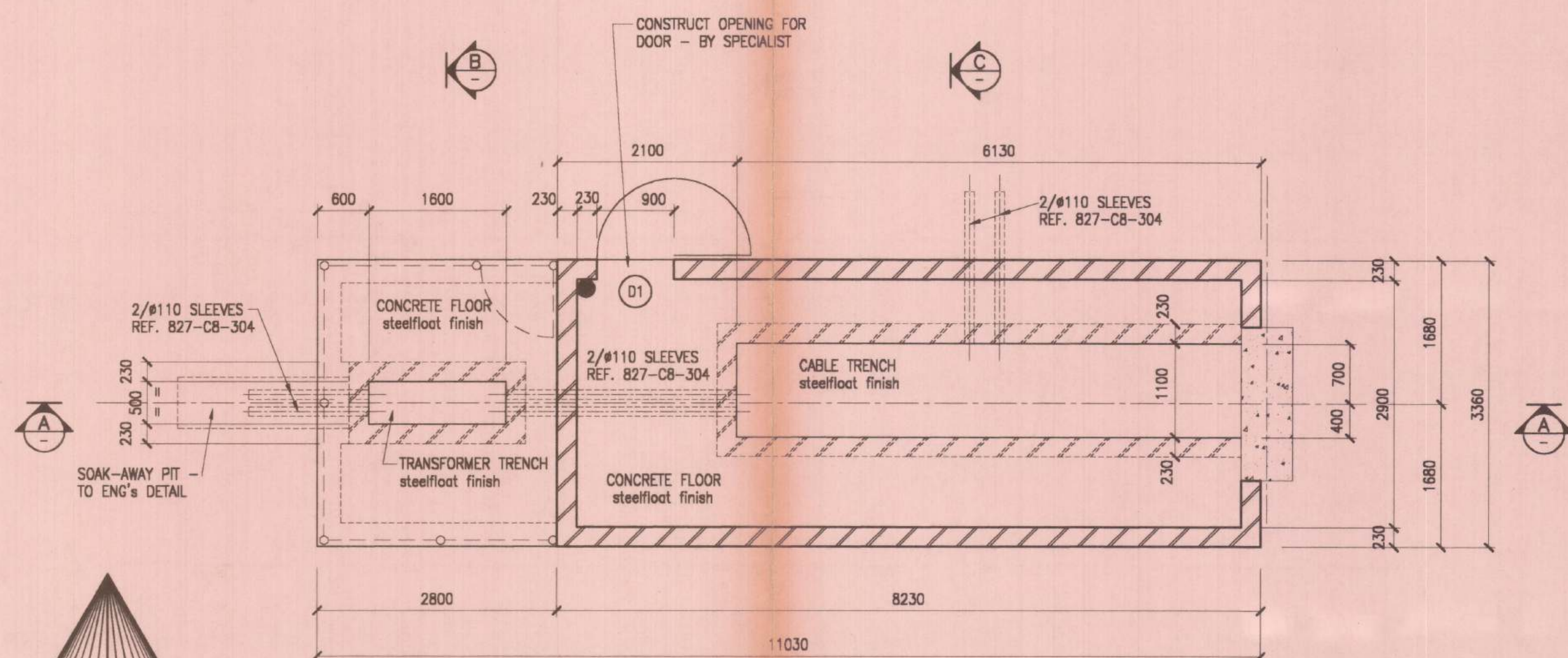
SOUTH ELEVATION :

SCALE 1:50



SECTION A-A :

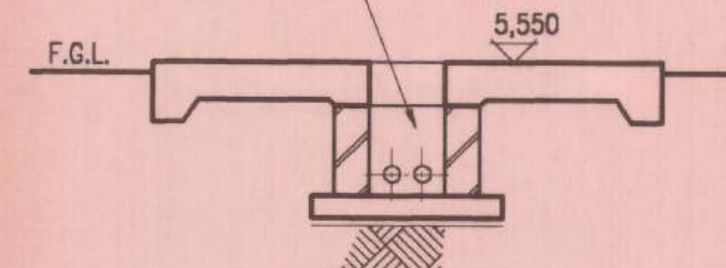
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LAYOUT :

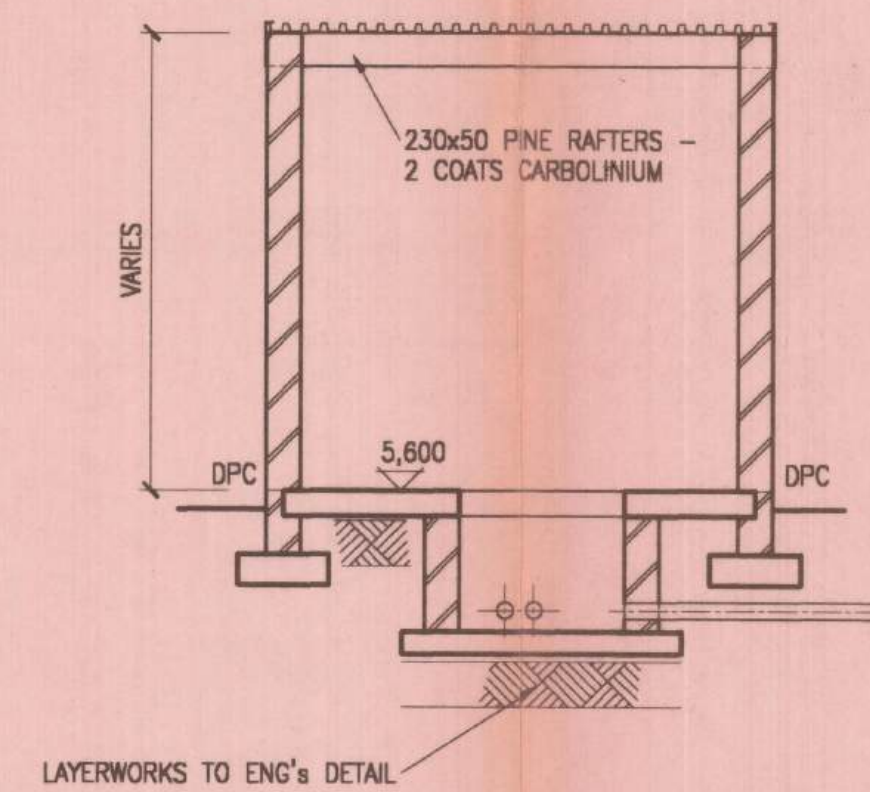
SCALE 1:50

CABLE TRENCH TO TRANSFORMER
TO BE FILLED WITH STONE ONCE
CABLES HAVE BEEN INSTALLED &
SEALED - TO ENG'S DETAIL



SECTION B-B :

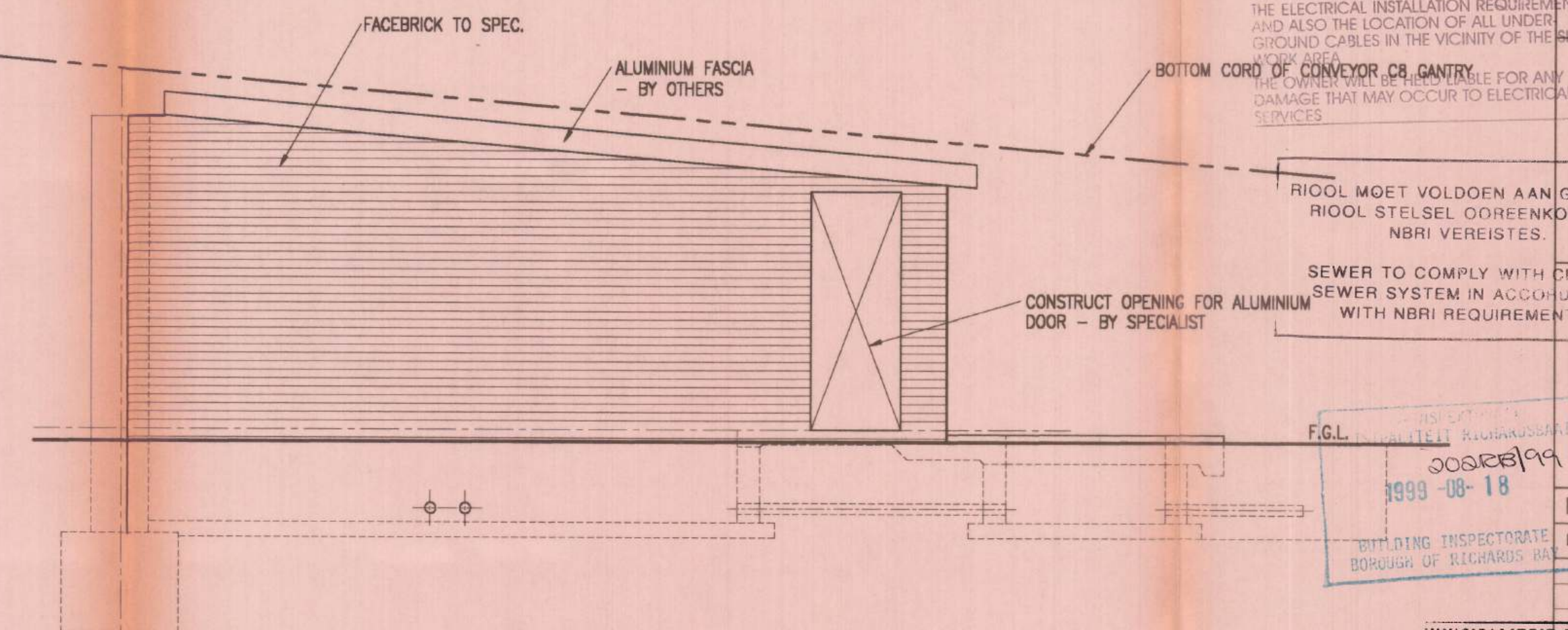
SCALE 1:50



SECTION C-C :

SCALE 1:50

FOR DETAILS OF CONCRETE
FOUNDATIONS & FLOOR SLABS,
REF. ENG'S DRG. 827-C8-304.



NORTH ELEVATION :

SCALE 1:50

NOTES :

1. ALL WORKMANSHIP & MATERIALS TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS.
2. INTERNAL WALLS - 10mm CEMENT PLASTER, ONE FILLER COAT & 2 COATS APPROVED ACRYLIC P.V.A.
3. DOOR D1 - 900W x 2400H ALUMINIUM DOOR & FRAME WITH PARLIMENT HINGES & APPROVED LOCKING DEVICE.
4. ALL CONCRETE WORK TO ENGINEERS DETAILS.

MCC2

AREA

37,06 sqm

LEGEND

- 9kg DCP PORTABLE FIRE EXTINGUISHER
- 30m FIRE HOSE REEL

SIGNAGE IN ACCORDANCE WITH SABS 0400 T OCCUPANCY CLASS D3

Shingel
WOODCHIP
TREESHED PLANT

RICHARDS BAY HARBOUR

CONVEYOR C8

MOTOR CONTROL CENTRE No. 2

DRIVEWAY TO BE IN COMPLIANCE WITH BOROUGH SPECIFICATIONS AND TO BE CONSTRUCTED PRIOR TO OCCUPATION.

MOTORING MOET VOLDOEN AAN VOLTTOOI WORD VOOR OKKUPASIE.

BUILDING PLAN SUBMISSION AND FIRE PROTECTION

HARDS BAY ELECTRICITY DEPARTMENT
BEFORE COMMENCING WORK PLEASE CONTACT THE ELECTRICITY DEPARTMENT TO ESTABLISH THE ELECTRICAL INSTALLATION REQUIREMENTS AND ALSO THE LOCATION OF ALL UNDERGROUND CABLES IN THE VICINITY OF THE WORK AREA.
THE OWNER WILL BE RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO ELECTRICAL SERVICES.

RIOOL MOET VOLDOEN AAN RIOOL STELSEL OOREENKOMSTIG NBRI VEREISTES.

SEWER TO COMPLY WITH CLOSED SEWER SYSTEM IN ACCORDANCE WITH NBRI REQUIREMENTS.

F.G.L.

1999-08-18

BUILDING INSPECTORATE
BOROUGH OF RICHARDS BAY

1999-08-18

BUILDING INSPECTORATE
BOROUGH OF RICHARDS BAY

1999-08-18

BUILDING INSPECTORATE
BOROUGH OF RICHARDS BAY

1999-08-18

BUILDING INSPECTORATE
BOROUGH OF RICHARDS BAY

1999-08-18

BUILDING INSPECTORATE
BOROUGH OF RICHARDS BAY

1999-08-18

BUILDING INSPECTORATE
BOROUGH OF RICHARDS BAY

ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

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ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

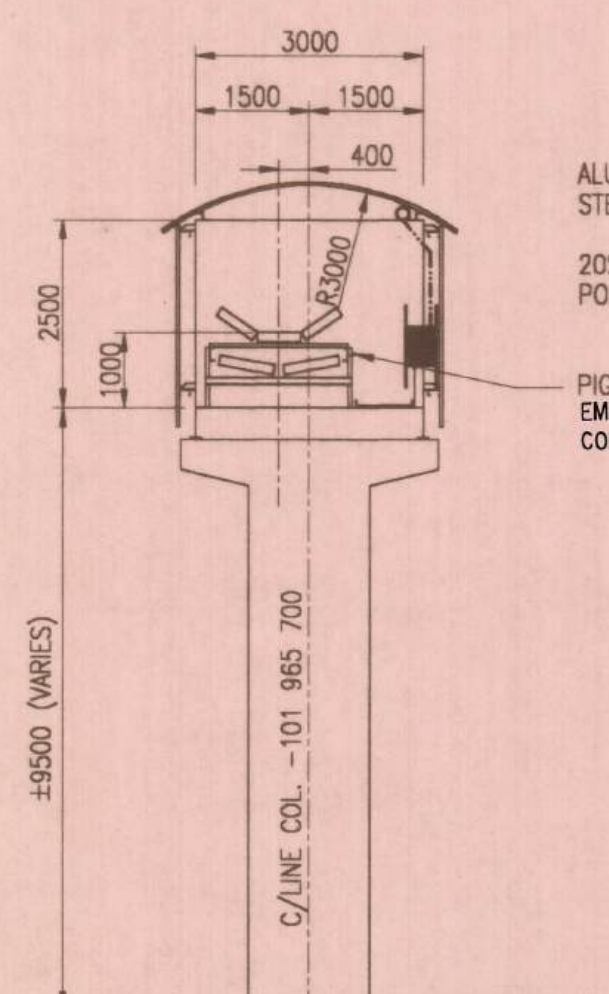
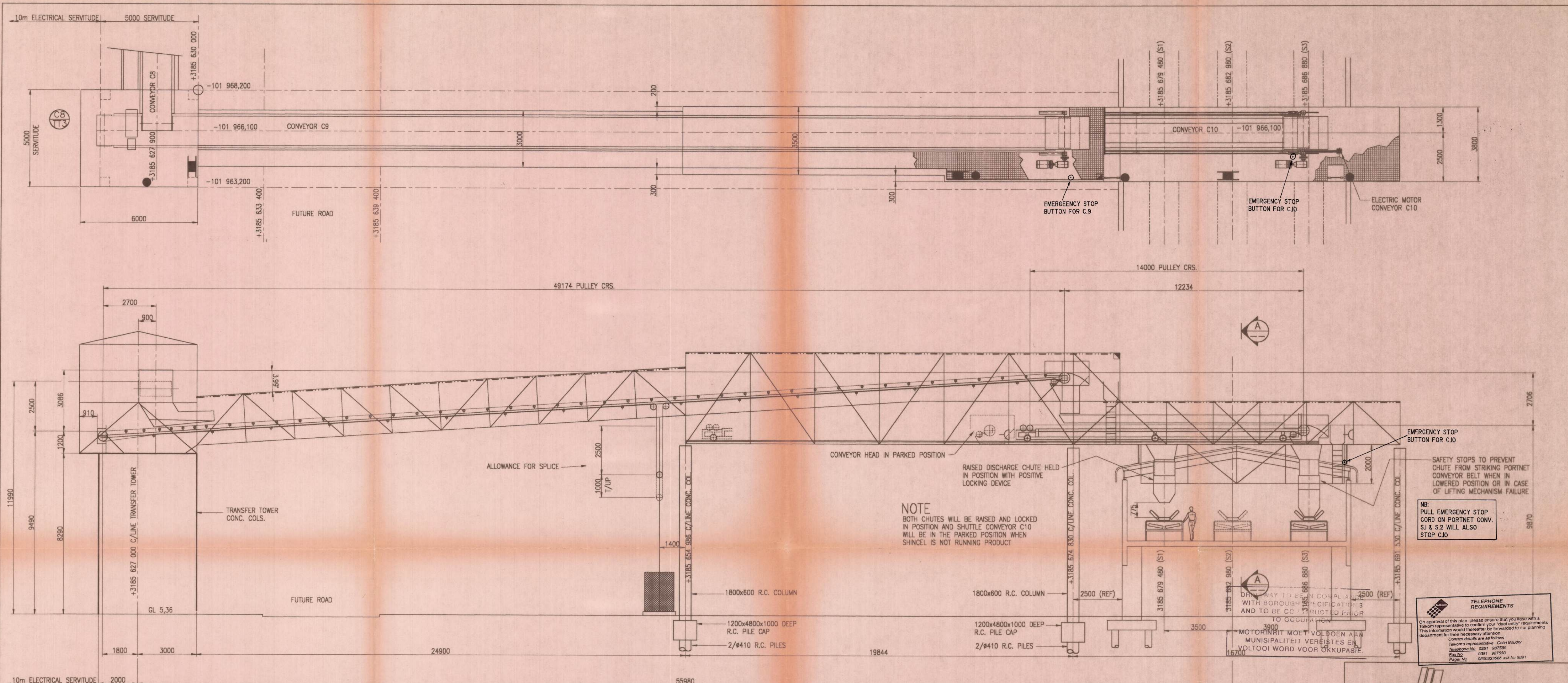
ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

ALLE WERK MOET VOLDOEN AAN WET OP HOUWERKSTELLINGS VEREISTES (WET NO. 103 VAN 1977)

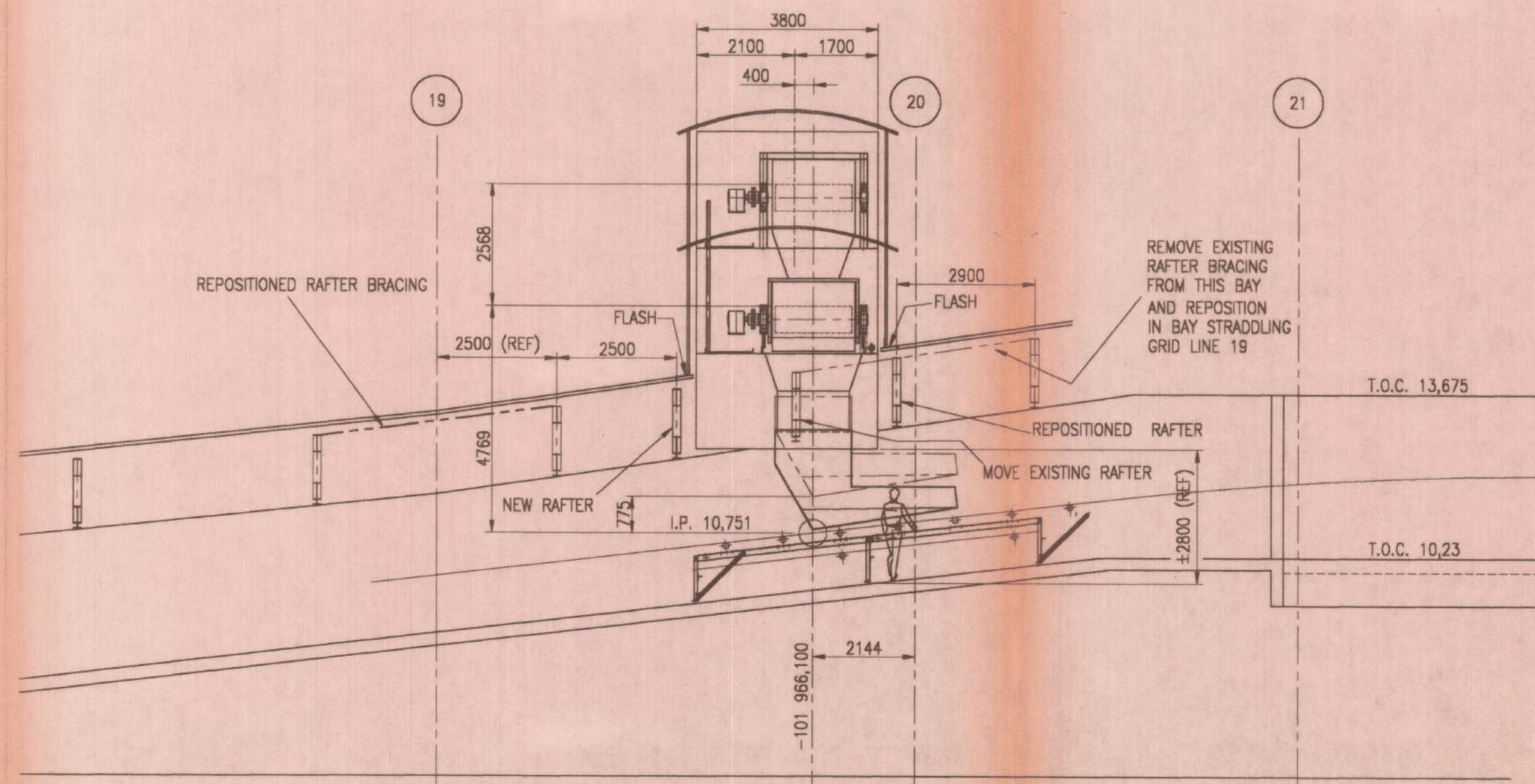


Scott Wilson Chrystal
CONSULTING CIVIL AND STRUCTURAL ENGINEERS & PLANNERS
66 Anglers Road, Meersensee : P.O. Box 189, Richards Bay 3900
Telephone (0351) 753 1213 : Fax no. (0351) 753 2030

Designed:	Approved:	Scales:
Drawn:	Date:	1 : 50
Checked:		
Project number	Drawing number	Revision
RB827	827-B-226	



TYPICAL SECTION THROUGH GANTRY



CONVEYOR C.9
AREA 186,86 sqm

CONVEYOR C.10
AREA 53,20 sqm

LEGEND

● 9kg PORTABLE FIRE EXTINGUISHER

— 30m FIRE HOSE REEL

SIGNAGE IN ACCORDANCE WITH SABS 0400 T OCCUPANCY CLASS D4

ALLE WERK MOET VOLDOEN AAN DIE WET OP NASIONALE BOUWREGULASIES EN BOUWSTANDAARDE (WET NO. 103 VAN 1977)

ALL WORK TO COMPLY WITH NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT (ACT 103 OF 1977)

SEWER TO COMPLY WITH NATIONAL SEWER SYSTEM REGULATIONS WITH NBRI REQUIREMENTS.

Shinigel

WOODCHIP PLANT

RICHARDS BAY HARBOUR
CONVEYOR C9 & C10

BUILDING PLAN SUBMISSION
AND FIRE PROTECTION

REVISIONS	WYSIGINGS
Date	
By	
2022/09/01	
1999-08-18	
By	
W. J. VAN DER MERWE	

THE OWNER WILL BE HELD LIABLE FOR ANY DAMAGE THAT MAY OCCUR DURING THE CONSTRUCTION OF THE WORK AREA

MUNISIPALITEIT RICHARDSBAAL
BOUWSEKTOER
GOEDGEKOR / APPROVED
1999-11-08

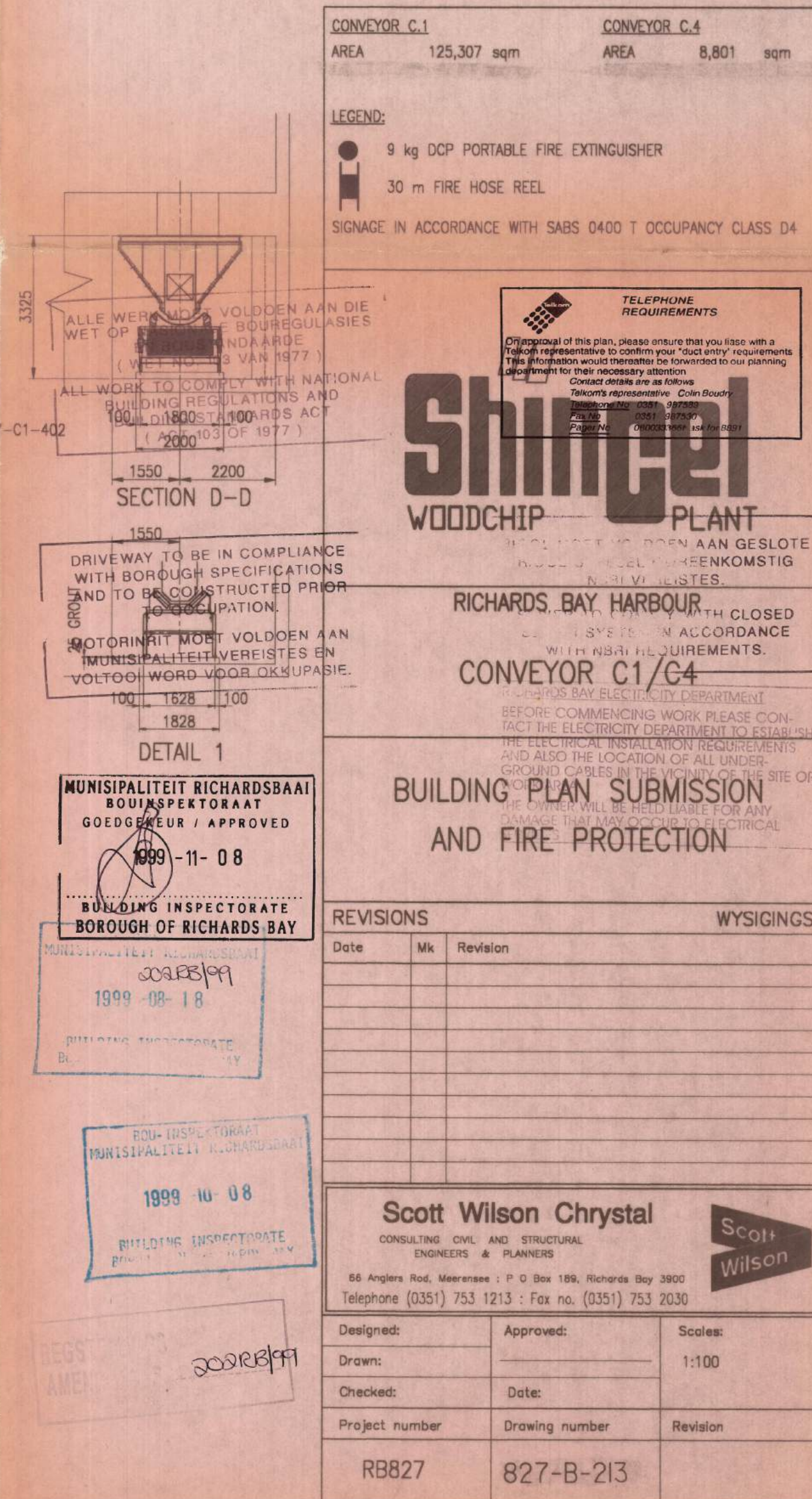
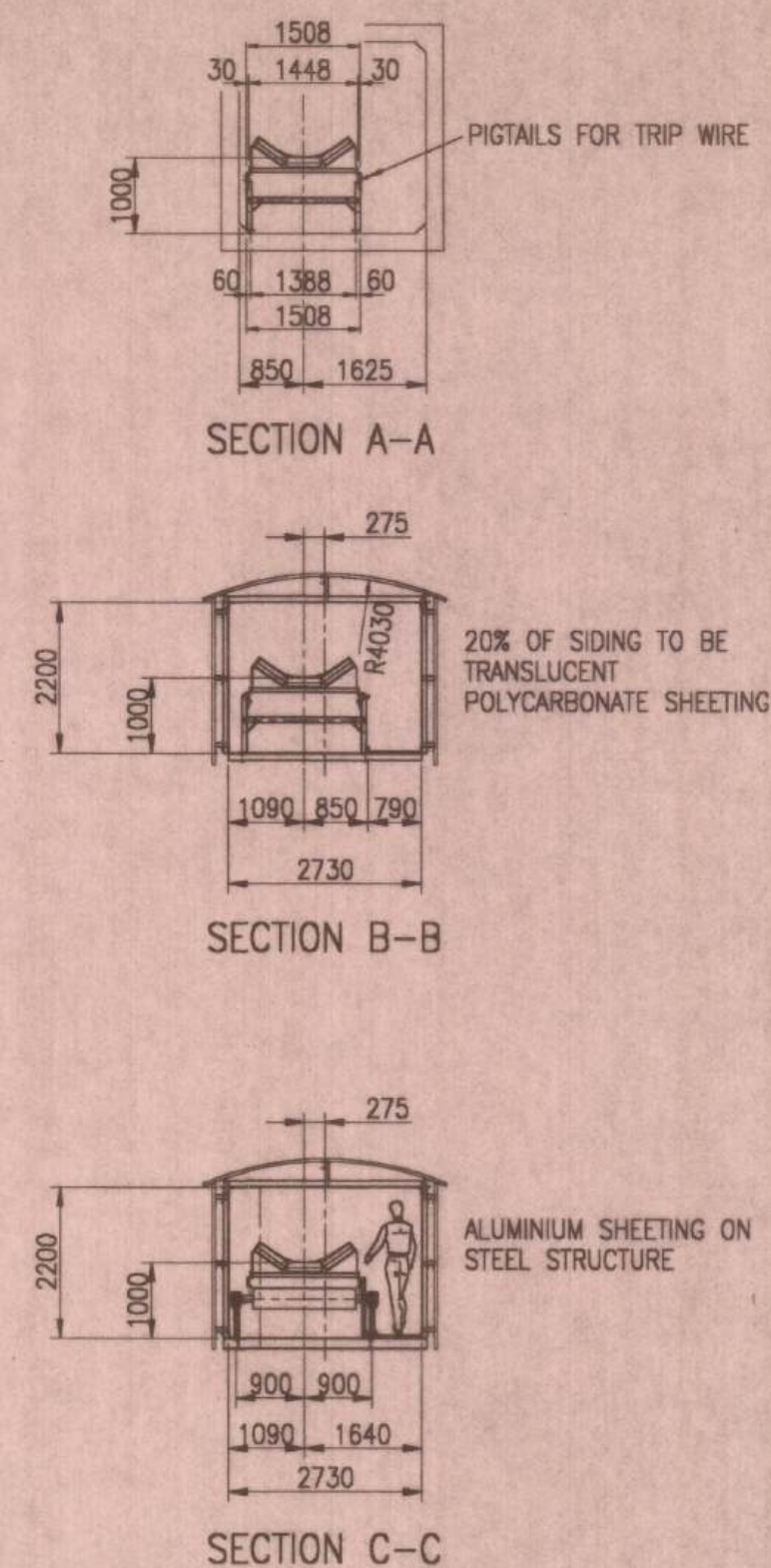
Scott Wilson Chrystal

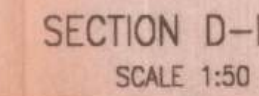
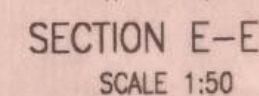
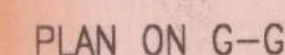
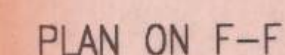
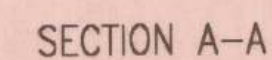
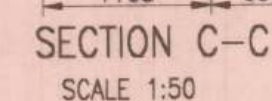
CONSULTING CIVIL AND STRUCTURAL ENGINEERS & PLANNERS

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Project number	Drawing number	Revision
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Drawn:		1:100
Checked:	Date:	
Project number	Drawing number	Revision
RB827	827-B-214	

NOTES

ELEVATION
SCALE 1 : 200

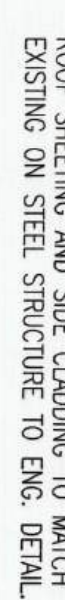
ADDITIONAL FLOOR AREA : 943 sq.m

SCALE 1 : 200

1500 QMS. PUSIS CAST INTO CONCRETE BASE
MANUFACTURED AND ERECTED BY SPECIALIST.

[illegible]

1. FIRE STABILITY OF STRUCTURAL ELEMENTS OR COMPONENTS TO COMPLY WITH PART 717 OF SABS-040-1990.
2. FIRE ASSEMBLIES PROVIDED TO COMPLY WITH PART 714 OF SABS-040-1990.
3. FIRE ENDOWMENTS PROVIDED TO COMPLY WITH PART 713 OF SABS-040-1990.
4. FIRE EXTINGUISHERS PROVIDED TO COMPLY WITH PART 712 OF SABS-040-1990.
5. STORAGE PROVIDED TO COMPLY WITH PART 713 AND 712 OF SABS-040-1990.
6. WATER RETICULATION FOR FIRE FIGHTING EQUIPMENT TO COMPLY WITH PART 7 OF SABS-040-1990.
7. ROOF ASSEMBLIES AND JOINTS OF THE BUILDING TO COMPLY WITH PART 717 OF SABS-040-1990.
8. SMOKE CONTROL TO COMPLY WITH PART 714 OF SABS-040-1990.



NEW CHIP PILE B
AREA - 14800 sqm

FRAMED AND FIXED INTO MANHOLE
BENEATH GRATING, TO DETAIL.

1500 GMS. POSTS CAST INTO CONCRETE BASES.
MANUFACTURED AND ERECTED BY SPECIALIST.

- PHASE II EXTENSION

SITE LAYOUT

TOTAL ADDITIONAL FLOOR AREA : 965 sq.m

TYPICAL CROSS

SCALE 1 : 200

FORMED AND FIXED INTO MANHOLE
BENEATH GRATING. TO DETAIL.

SUB-BASE TO ENG. SPECIFICATION.

TO ENGINEER'S DETAIL.

—

2.4m. HIGH PALISADE
P.C. SECURITY FENCE

RICHARDS BAY HARBOUR



Shingel
WOODCHIP PLANT

WOODCHIP PLANT

PLAN SECTION AND ELEVATION

Scale at AO
1 IN 200 AND 1 IN 500

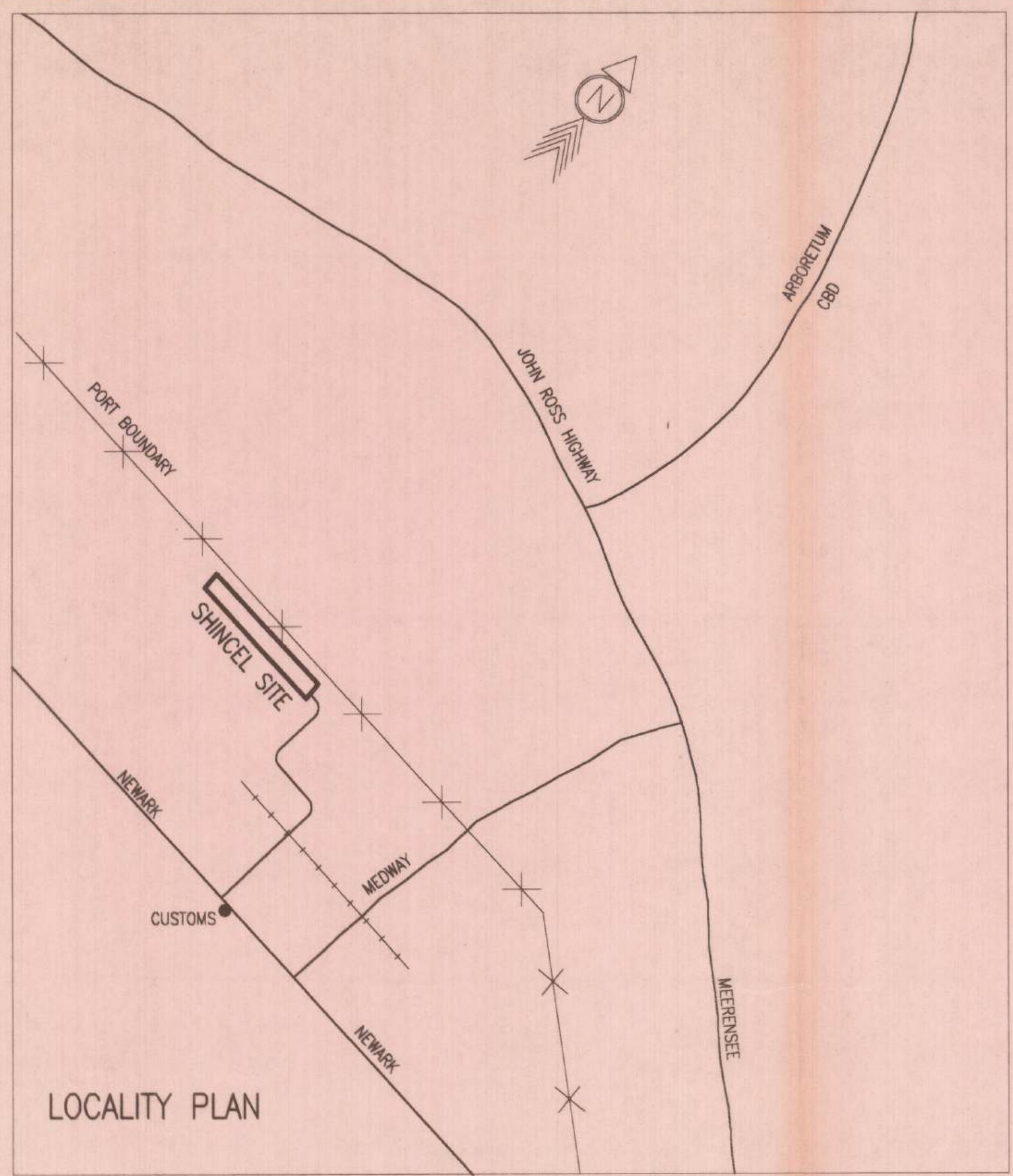
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1	200	1

REC'D	H.M.C.G.	
Chk	Tech Chk	Det Chk

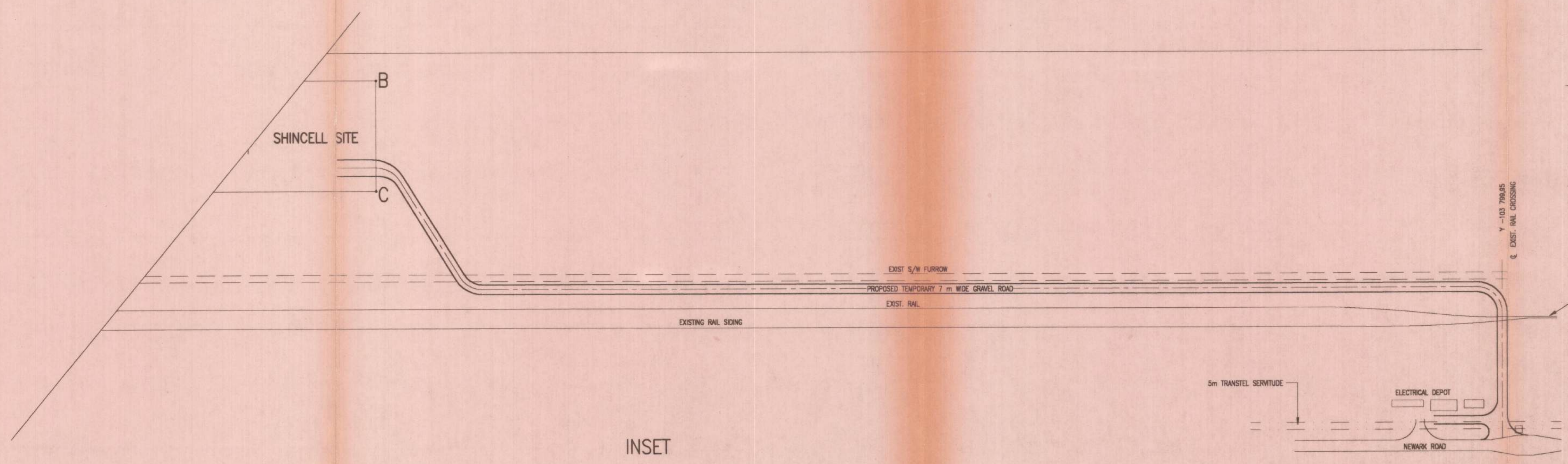
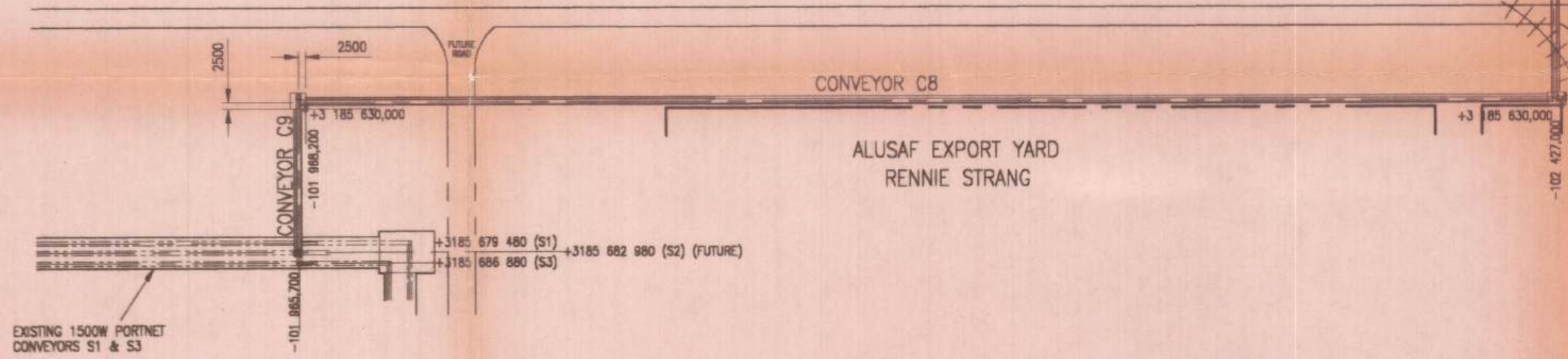
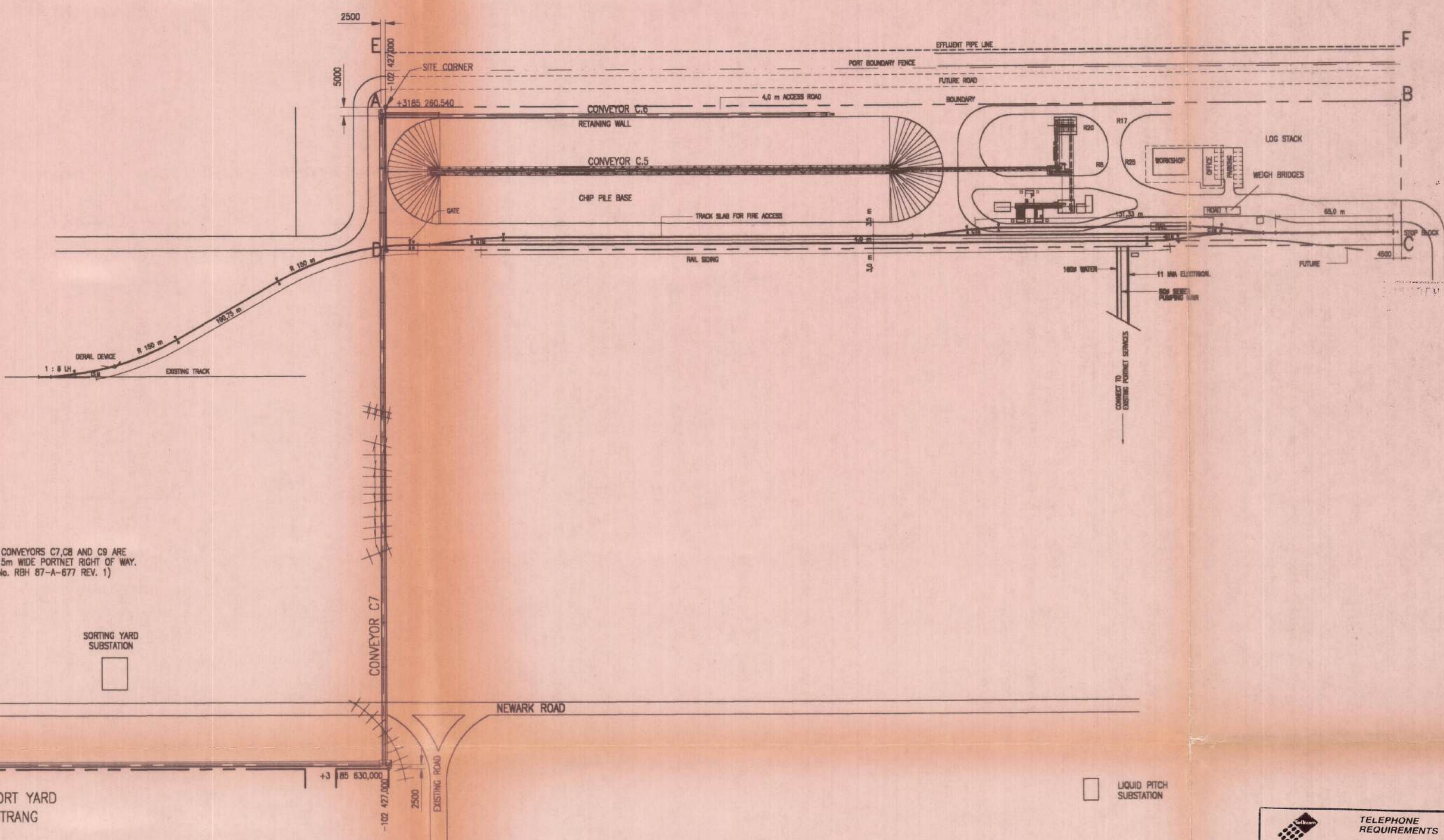
SINVEST SA (PTY) LTD
4 Pandorow Crescent
La Lucia Ridge Office Estate

Umlhlongo Rocks 4320
South Africa

Tel +2731 5662201
Fax +2731 5662371
email: info@silvest.co.za



NB
CENTERLINE OF CONVEYORS C7, C8 AND C9 ARE
ON CENTER OF 5m WIDE PORTNET RIGHT OF WAY.
(REF. DRAWING No. RBH 87-A-677 REV. 1)



CO-ORDINATES			
	Y	X	
A	102 427, 000	3 185 260, 540	
B	102 889, 500	3 185 260, 540	
C	102 889, 500	3 185 340, 540	
D	102 427, 000	3 185 340, 540	

(PORTNET DRAWING No.'s RBH 87-A-677 LEASE SITE AND
RBH 87-A-713 SHIPLOADING CONVEYORS, HAVE REFERENCE)

DRAWING REFERENCE:

827-B-200	PLANT LAYOUT
827-B-213	CONVEYOR C.1 & C.4
827-B-214	CONVEYOR C.2 & C.3
827-B-215	CONVEYOR C.5
827-B-216	CONVEYOR C.6
827-B-217	CONVEYOR C.7
827-B-218	CONVEYOR C.8
827-B-219	CONVEYOR C.9 & C.10
827-B-220	CHIPPER BUILDING
827-B-221	SCREEN BUILDING
827-B-222	RECHIPPER BUILDING
827-B-223	TRANSFER TOWER TT.1
827-B-224	TRANSFER TOWER TT.2
827-B-225	TRANSFER TOWER TT.3
827-B-226	CONVEYOR C.8 MOTOR CONTROL CENTRE No.2

TELEPHONE REQUIREMENTS
On approval of this plan, please ensure that you liaise with a
Telecom representative to confirm your "duct entry" requirements.
The information would thereafter be forwarded to our planning
department for their necessary attention.
Contact details are as follows:
Telecom's representative: Colin Boucay
Telephone No. (0351) 987500
Fax No. (0351) 987530
E-mail No. 987500@telecom.co.za

ALLE WERK MOET VOLDOEN AAN DE
WET OP NASIONALE BOUREGULASIES
EN BOUSTANDAARDE
(WET NO. 103 VAN 1977)
ALL WORK TO COMPLY WITH NATIONAL
BUILDING REGULATIONS AND
BUILDING STANDARDS ACT
(ACT 103 OF 1977)

RIOOL MOET VOLDOEN AAN GESLOTEN
RIOOL STELSEL OOREENKOMSTIG
NBRI VEREISTES.
SEWER TO COMPLY WITH CLOSED
SEWER SYSTEM IN ACCORDANCE
WITH NBRI REQUIREMENTS.

Shincell
WOODCHIP PLANT
DRIVEWAY TO BE IN COMPLIANCE
WITH BOROUGH SPECIFICATIONS
AND TO BE COMPLETED PRIOR
TO OCCUPATION.
MOTORHORNEL MOET VOLDOEN AAN
MUNISIPALE VEREISTES EN
TOEGELIJD WORD MOET OKKUPASIE.

MUNISIPALITEIT RICHARDSBAAI
BOUWINSPEKTORAAT
GOEDGEKEUR / APPROVED
1999-08-08
REVISIONS
BUILDING INSPECTORATE
BOROUGH OF RICHARDS BAY

RICHARDS BAY HARBOUR
SITE LAYOUT
RICHARDS BAY ELECTRICITY DEPARTMENT
BEFORE COMMENCING WORK
OBTAIN THE ELECTRICITY DEPARTMENT'S
AND ALSO THE LOCATION OF ALL UNDERGROUND
CABLES IN THE VICINITY OF THE SITE OR
WORK AREA.
THE OWNER WILL BE HELD LIABLE FOR ANY
DAMAGE THAT MAY OCCUR TO ELECTRICAL
SERVICES.

2 No. ELECTRIFIED
RAIL LINES

1999-08-18

Scott Wilson Chrystal
CONSULTING CIVIL AND STRUCTURAL
ENGINEERS & PLANNERS
56 Anders Road, Meerkorpoort : P.O. Box 189, Richards Bay 3900
Telephone (0351) 753 1213 : Fax no. (0351) 753 2030

Designed:	Approved:	Scales:
Drawn:	Date:	1:2000
Checked:		
Project number	Drawing number	Revision
RB827	827/G/02	

