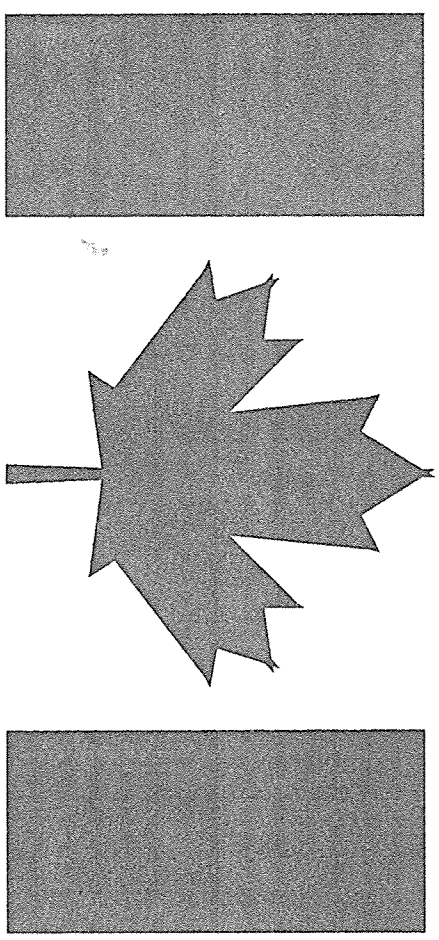




Public Works and
Government Services
Canada

Architectural and
Engineering Services
Atlantic Region

PIERHEAD
RECONSTRUCTION
PUBLIC WHARF
ST. ANDREWS
CHARLOTTE COUNTY, NEW BRUNSWICK

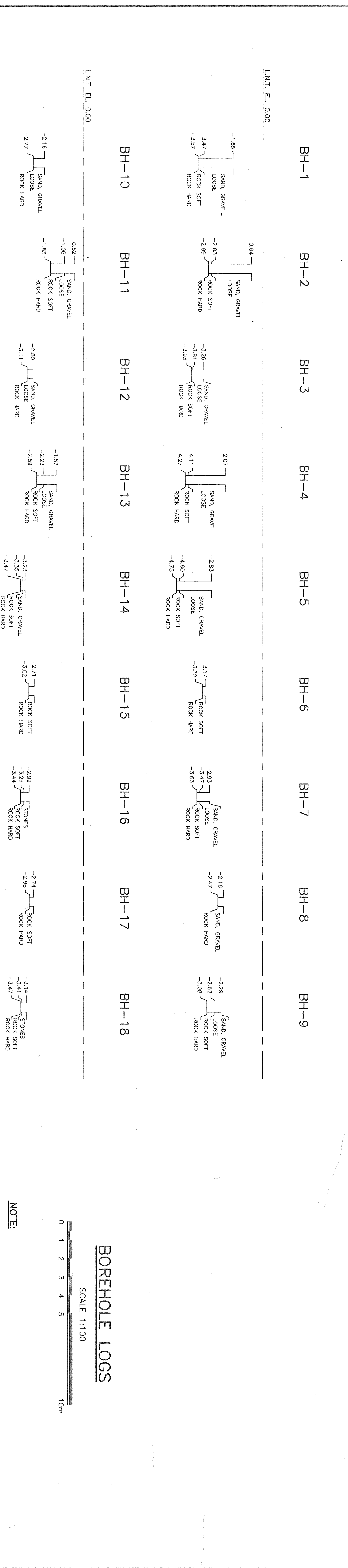
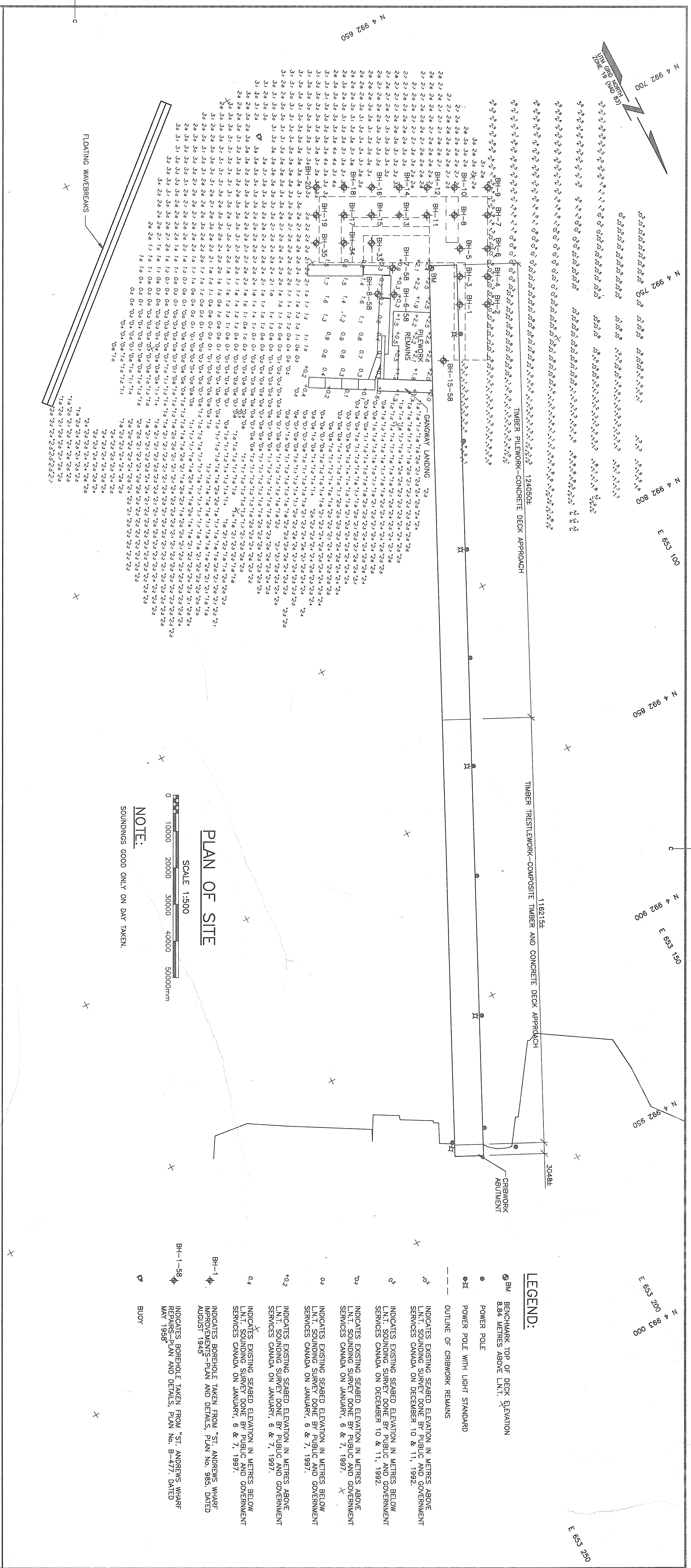
PROJECT NO. 659533

Travaux publics et
Services gouvernementaux
Canada

Services d'architecture
et de génie
Region Atlantique

DRAWING LIST

DRAWING NO.	TITLE	DATE
1 OF 10	PLAN OF SITE & BOREHOLE LOGS	JANUARY / 1997
2 OF 10	PLAN OF DEMOLITION & SECTIONS	JANUARY / 1997
3 OF 10	PLAN OF NEW WORK & SECTIONS	JANUARY / 1997
4 OF 10	PLAN OF NEW PIERHEAD & ELEVATIONS	JANUARY / 1997
5 OF 10	CONCRETE DETAILS	JANUARY / 1997
6 OF 10	CONCRETE & MISCELLANEOUS DETAILS	JANUARY / 1997
7 OF 10	MISCELLANEOUS DETAILS	JANUARY / 1997
8 OF 10	NEW FLOAT #1 PLAN & DETAILS	JANUARY / 1997
9 OF 10	NEW FLOAT #2 PLAN & DETAILS	JANUARY / 1997
10 OF 10	NEW FLOAT #3 PLAN & DETAILS	JANUARY / 1997
E1 OF 2	ELECTRICAL PLAN	JANUARY / 1997
E2 OF 2	ELECTRICAL DETAILS	JANUARY / 1997



ANY INFORMATION PERTAINING TO SOILS AND ALL BOREHOLE DATA ARE FURNISHED BY THE ENGINEER AS A MATTER OF INFORMATION ONLY. BOREHOLE DATA IS NOT TO BE INTERPRETED AS DESCRIPTIVE OF CONDITIONS AT LOCATIONS OTHER THAN THOSE DESCRIBED BY THE BOREHOLES THEMSELVES.

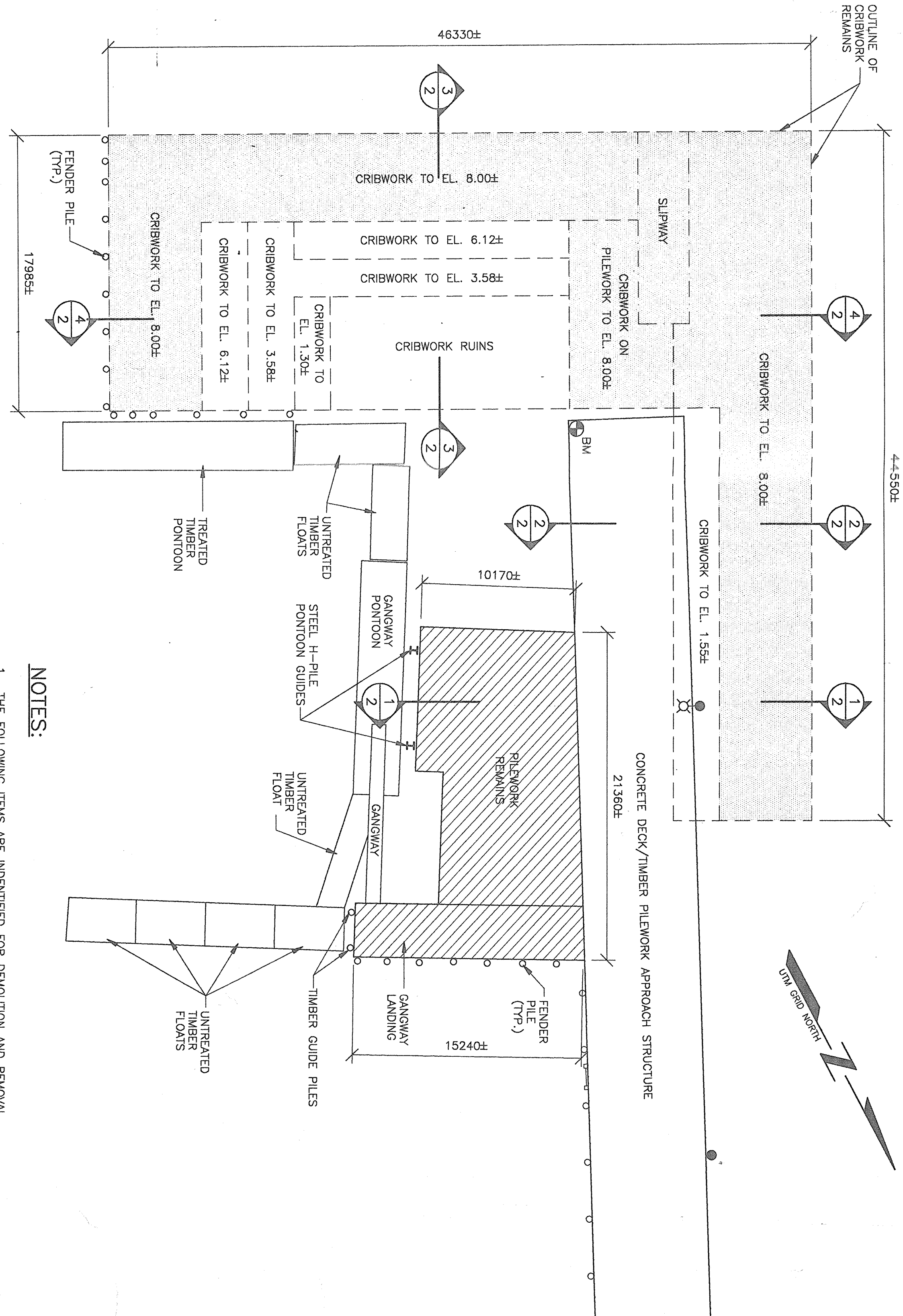
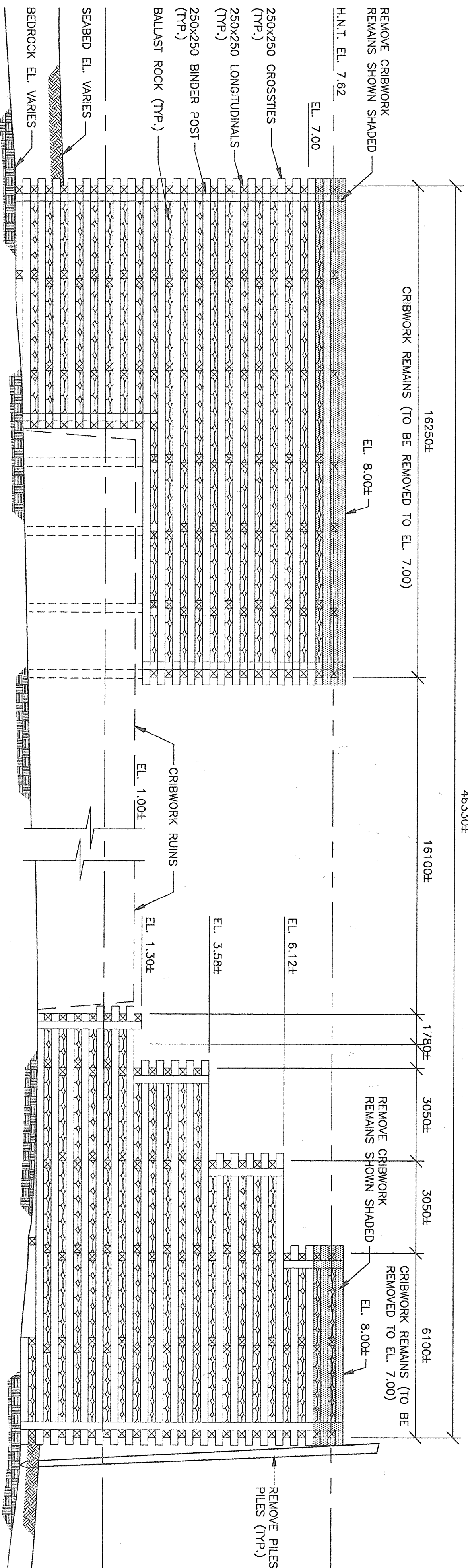
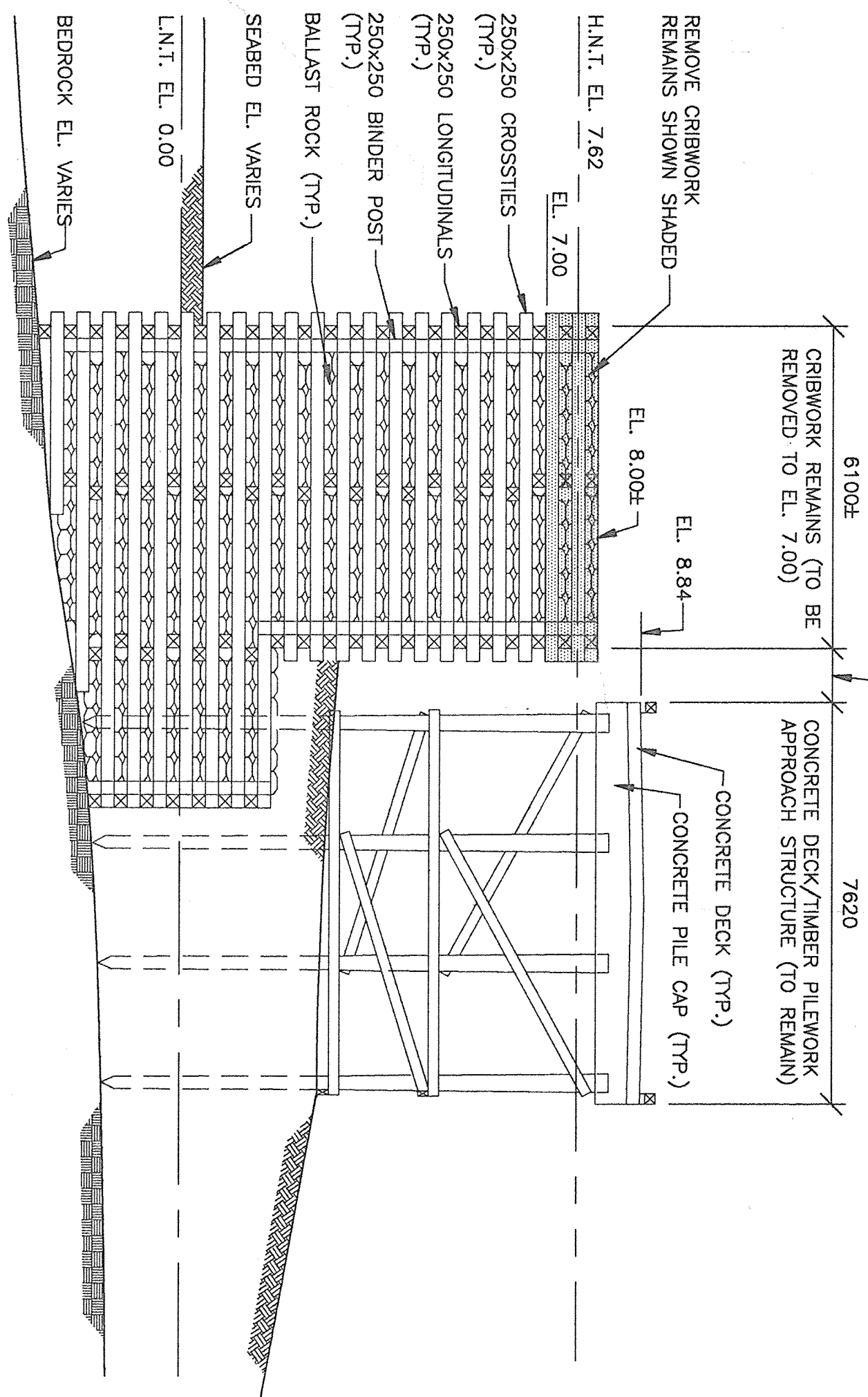
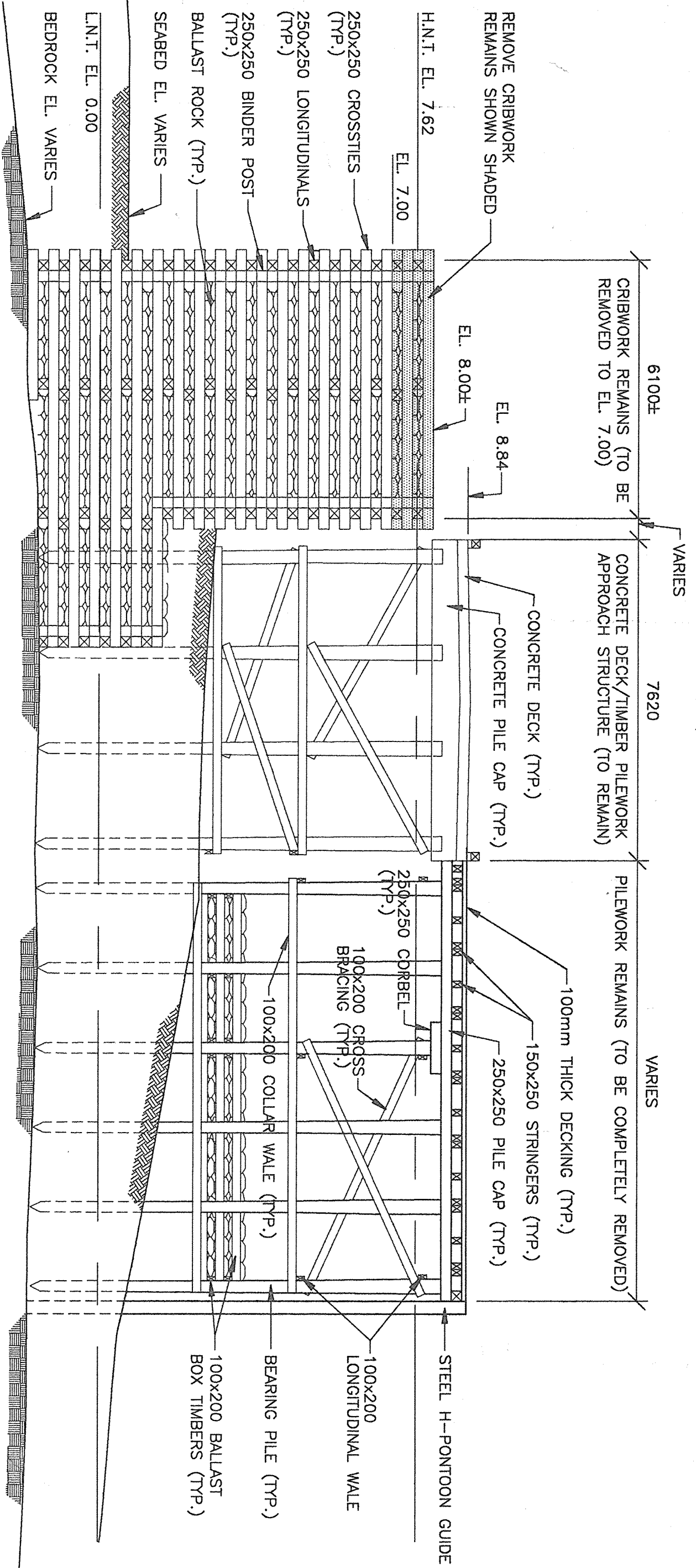
project	PIERHEAD RECONSTRUCTION PUBLIC WHARF ST. ANDREWS CHARLOTTE CO., NB.	desain	
drawing no.	PLAN OF SITE & BOREHOLE LOGS	date	
drawn	<i>W. A. D. 1-1-77</i>	desain	
checked	D. ORAM	date	
approved	<i>W. A. D. 1-1-77</i>	approved	
issued	JAN. 1997	submitted	
project number	659553	no. du projet	
project manager	Administrateur de projet TRCOC	no. du projet	
drawing no.	1 OF 10	no. du dessin	

revisions			

Project PIERHEAD RECONSTRUCTION PUBLIC WHARF ST. ANDREWS CHARLOTTE CO., N.B.	Project A A A
drawing PLAN OF DEMOLITION & SECTIONS	Project A A A

designed E. L.	checked D. ORAM
drawn D. ORAM	designed JAN. 1997
date JAN. 1997	approved JAN. 1997

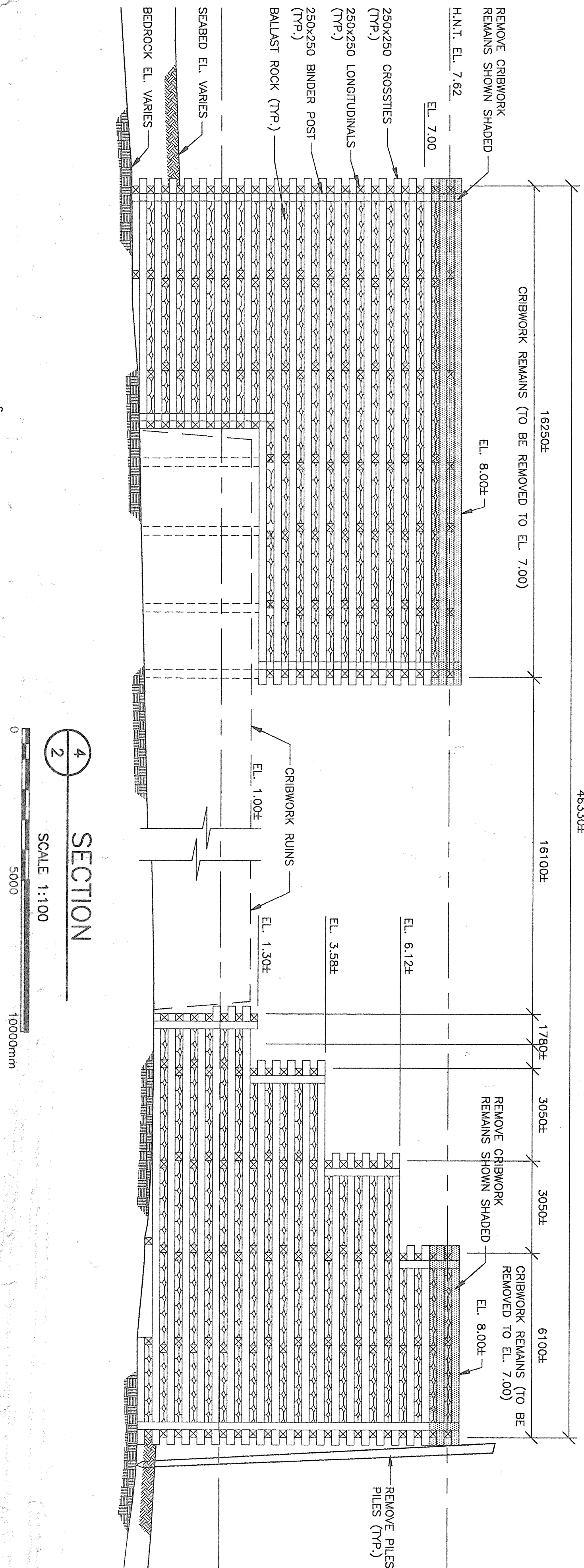
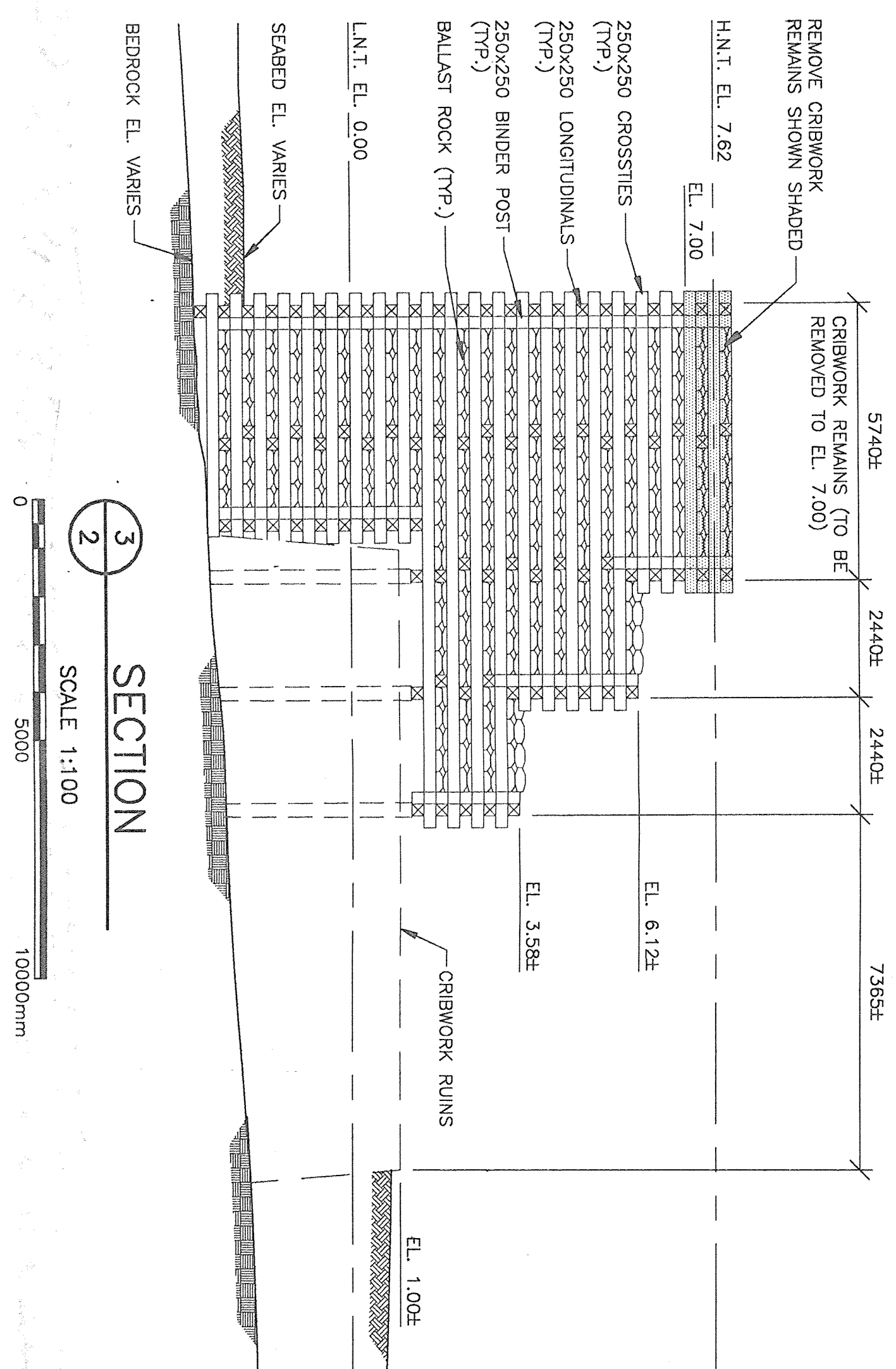
date JAN. 1997	checked JAN. 1997
drawn JAN. 1997	designed JAN. 1997
approved JAN. 1997	approved JAN. 1997



NOTES:

- THE FOLLOWING ITEMS ARE IDENTIFIED FOR DEMOLITION AND REMOVAL.
 - 1.1 PILEWORK REMAINS INCLUDING WHEELGUARD, CHOCKS, FENDER PILES, DECKING, STRINGERS, PILE CAPS, CORBELS, BEARING PILES, BRACING, BALLAST BOX TIMBERS, BALLAST, TIMBER GUIDE PILES AND HANDRAILS.
 - 1.2 CRIBWORK REMAINS TO ELEVATIONS INDICATED INCLUDING CRIBWORK CROSSSTIES, LONGITUDINALS, BINDER POSTS AND BALLAST.
 - 1.3 TIMBER WHEELGUARD, CHOCKS AND BLOCKING ON CONCRETE DECK/TIMBER PILEWORK APPROACH STRUCTURE WHERE NEW WORK MATCHES EXISTING.
 - 1.4 STEEL H-PILE PONTON GUIDES, FASTENINGS AND CABLES.
 - 1.5 FENDERS PILES AND SUPPORT TIMBERS ON CRIBWORK REMAINS.
 - 1.6 GANGWAY WHEEL, GUIDES, STEEL YOKES AND TIMBER YOKE SUPPORTS ON THE GANGWAY PONTON.
- THE FOLLOWING ITEMS ARE IDENTIFIED FOR REMOVAL AND REUSE IN NEW WORK.
 - 2.1 GANGWAY PONTON (AS EXISTING FLOAT #1 IN NEW WORK), TREATED TIMBER PONTON (AS EXISTING FLOAT #2 IN NEW WORK), AND UNTREATED TIMBER FLOATS.
- THE GANGWAY IS TO BE REMOVED AND STORED AT A LOCATION TO BE DESIGNATED BY THE ENGINEER. THE GANGWAY PONTON IS TO BE REMOVED AND RELOCATED TO THE GANGWAY PONTON. THE GANGWAY PONTON IS TO BE REMOVED AND RELOCATED TO THE GANGWAY PONTON. THE GANGWAY PONTON IS TO BE REMOVED AND RELOCATED TO THE GANGWAY PONTON.
- POWER POLES AND POWER POLES WITH LIGHT STANDARDS ON APPROACH STRUCTURE TO BE REMOVED AND TURNED OVER TO THE TOWN OF ST. ANDREWS, CONTRACTOR TO DELIVER THESE ITEMS TO THE TOWN OF ST. ANDREWS PUBLIC WORKS STORAGE.

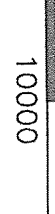
- LEGEND
- INDICATES CRIBWORK REMAINS TO BE REMOVED TO ELEVATION 7.00
 - INDICATES PILEWORK REMAINS TO BE COMPLETELY REMOVED





- MEDICAL

- ## FLATS



AA-



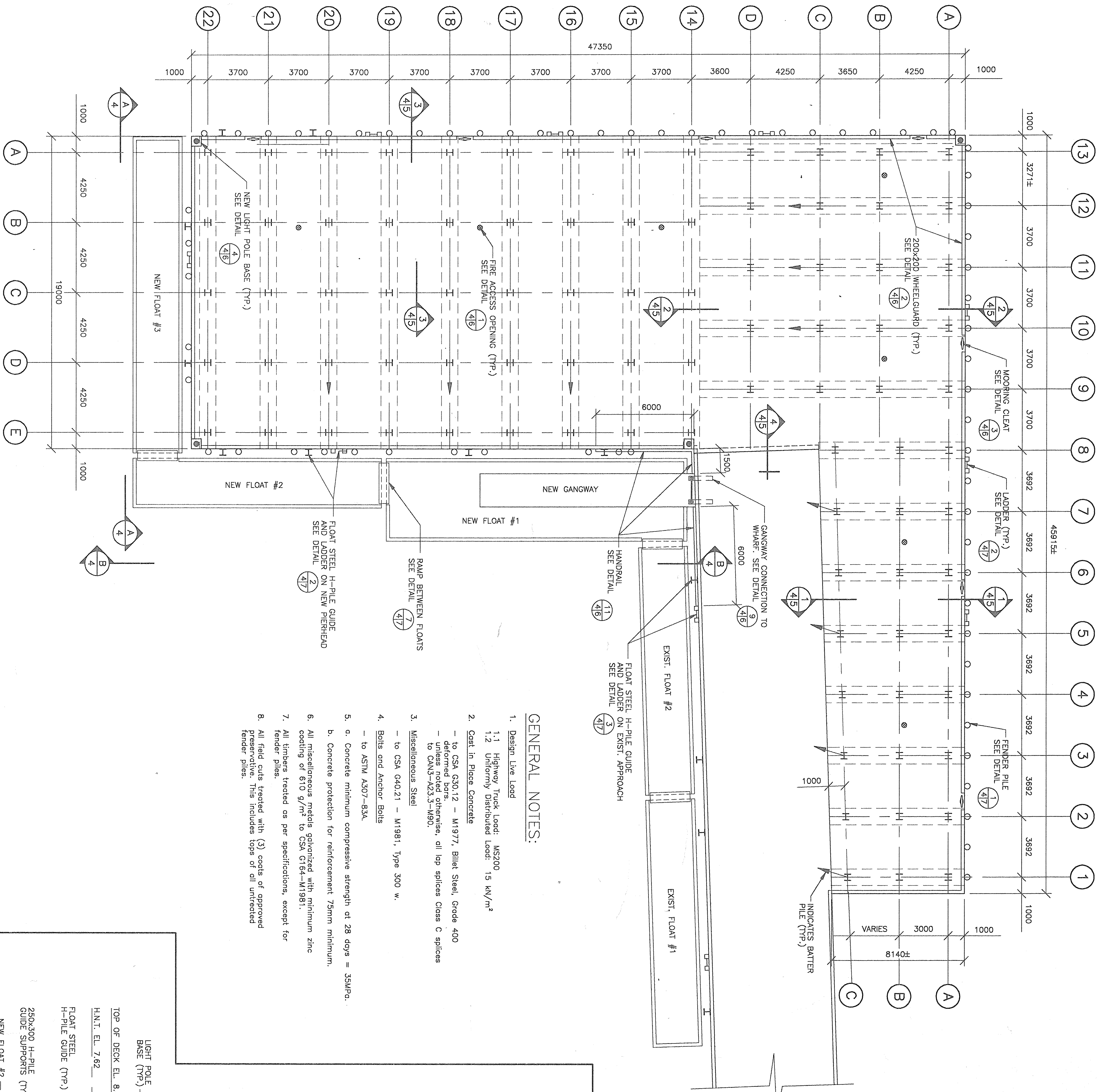
3



3

HP BEARING PILE SCHEDULE

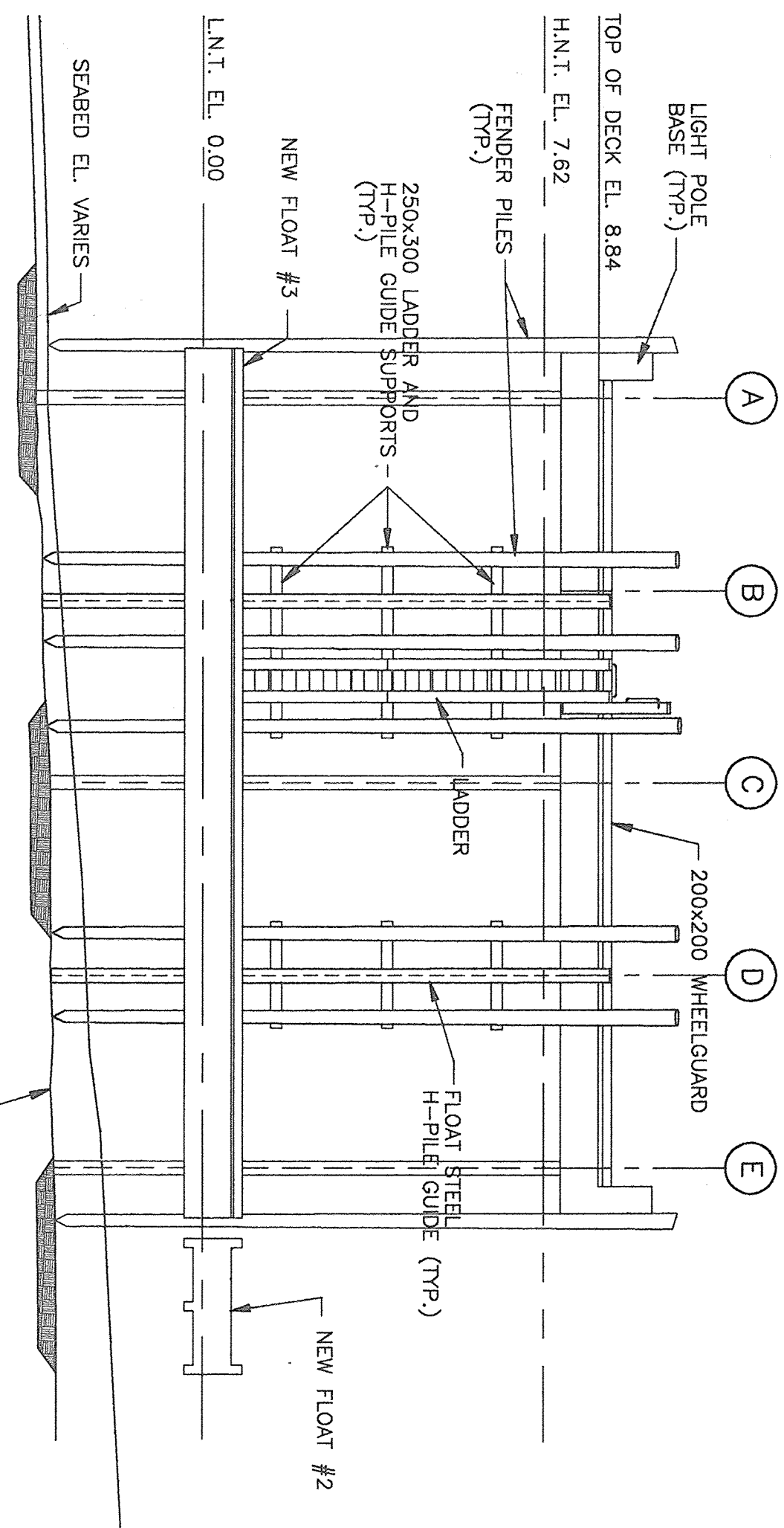
PILE SURF. ELEV. IN WORK	ESTIMATED LENGTH PLACED IN WORK USF 25mm	PILE SURF. ELEV. IN WORK	ESTIMATED LENGTH PLACED IN WORK USF 25mm	PILE SURF. ELEV. IN WORK	ESTIMATED LENGTH PLACED IN WORK USF 25mm
1A 11.0m	114	11A 12.5m	184	11A 12.5m	184
1B 11.0m	118	11B 12.5m	188	11B 11.8m	
1C 11.0m	118	11C 11.8m	188	11C 11.8m	
2A 11.0m	110	12.2m	180	11.0m	
2B 11.0m	128	12.5m	198	11.0m	
2C 11.0m	128	11.9m	194	12.2m	
3A 11.0m	120	11.6m	198	11.9m	
3B 11.0m	120	11.6m	198	11.6m	
3C 11.0m	134	12.2m	190	11.0m	
4A 11.6m	138	11.9m	198	11.0m	
4B 11.6m	138	11.9m	198	12.2m	
4C 10.4m	130	12.2m	204	11.8m	
5A 11.9m	144	11.9m	200	11.6m	
5B 11.6m	148	11.8m	208	11.6m	
5C 11.6m	148	11.8m	208	11.0m	
6A 12.2m	140	12.5m	214	11.6m	
6B 11.9m	148	11.8m	218	11.9m	
6C 12.5m	158	12.2m	210	11.6m	
7A 12.5m	158	11.8m	210	11.6m	
7B 11.9m	150	11.9m	224	12.5m	
7C 11.9m	150	11.8m	228	11.9m	
8A 12.8m	164	12.2m	220	12.5m	
8B 12.8m	168	11.6m	220	12.5m	
8C 12.5m	168	11.6m	228	12.5m	
8D 12.5m	168	11.0m			
8E 12.5m	174	12.2m			
9D 12.5m	178	11.8m			
10A 12.5m	170	11.0m			
10B 12.5m	170	11.0m			
10C 12.5m	170	11.0m			
10D 12.5m	170	11.0m			
10E 12.5m	170	11.0m			
10F 12.5m	170	11.0m			
10G 12.5m	170	11.0m			
10H 12.5m	170	11.0m			
10I 12.5m	170	11.0m			
10J 12.5m	170	11.0m			
10K 12.5m	170	11.0m			
10L 12.5m	170	11.0m			
10M 12.5m	170	11.0m			
10N 12.5m	170	11.0m			
10O 12.5m	170	11.0m			
10P 12.5m	170	11.0m			
10Q 12.5m	170	11.0m			
10R 12.5m	170	11.0m			
10S 12.5m	170	11.0m			
10T 12.5m	170	11.0m			
10U 12.5m	170	11.0m			
10V 12.5m	170	11.0m			
10W 12.5m	170	11.0m			
10X 12.5m	170	11.0m			
10Y 12.5m	170	11.0m			
10Z 12.5m	170	11.0m			



GENERAL NOTES:

- Design Live Load
1.1 Highway Truck Load: MS200
1.2 Uniformly Distributed Load: 15 kN/m²
- Cost in Place Concrete
- to CSA G30.12 - M1977, Billet Steel, Grade 400
- deformed bars, all lap splices Class C splices
to CAN3-A23.3-M90.
- Miscellaneous Steel
- to CSA G40.21 - M1981, Type 300 W.
- to ASTM A307-83A.
4. Bolts and Anchor Bolts
- to ASTM A307-83A.
5. a. Concrete minimum compressive strength at 28 days = 35MPa.
b. Concrete protection for reinforcement 75mm minimum.
6. All miscellaneous metals galvanized with minimum zinc
coating of 610 g/m² to CSA G164-M1981.
7. All timbers treated as per specifications, except for
fender piles.
8. All field cuts treated with (3) coats of approved
fender piles. This includes tops of all untreated
fender piles.

ELEVATION



PLAN OF NEW PIERHEAD



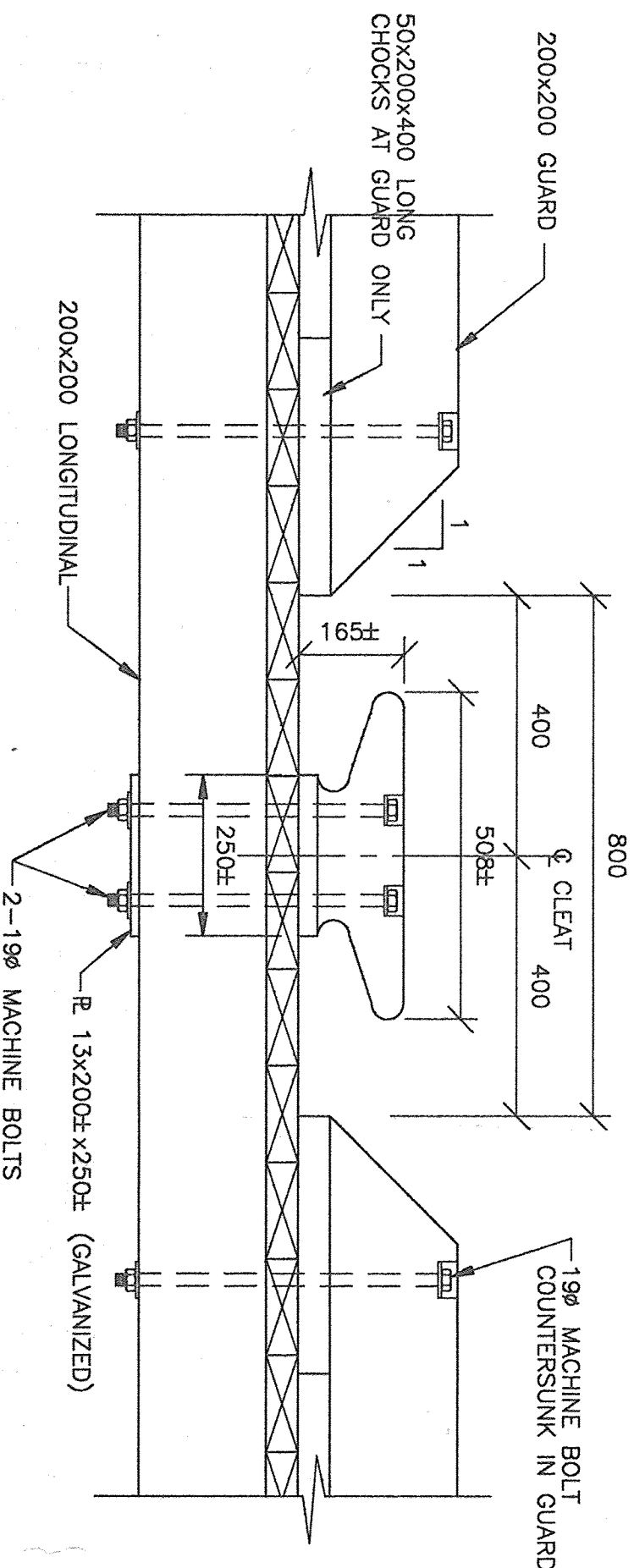
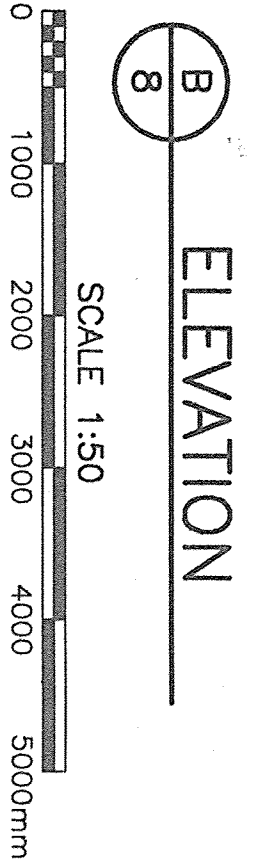
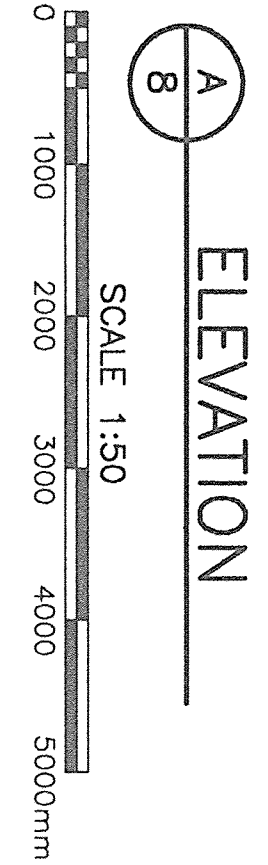
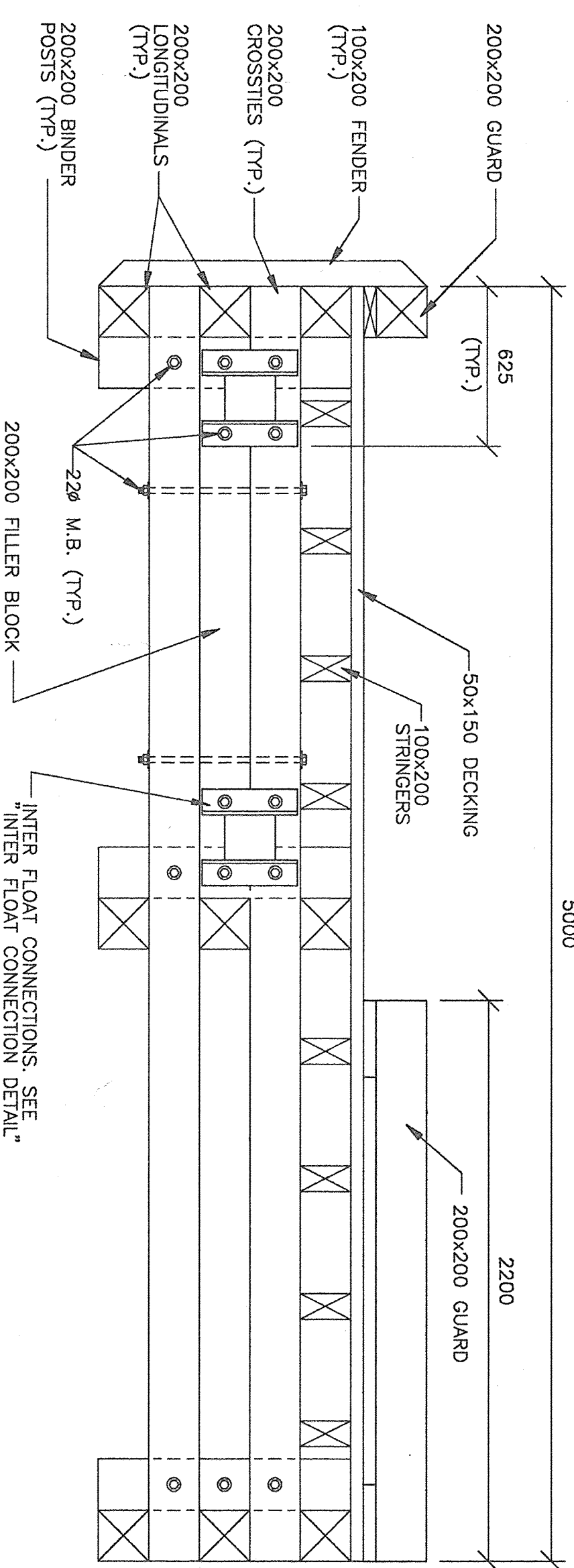
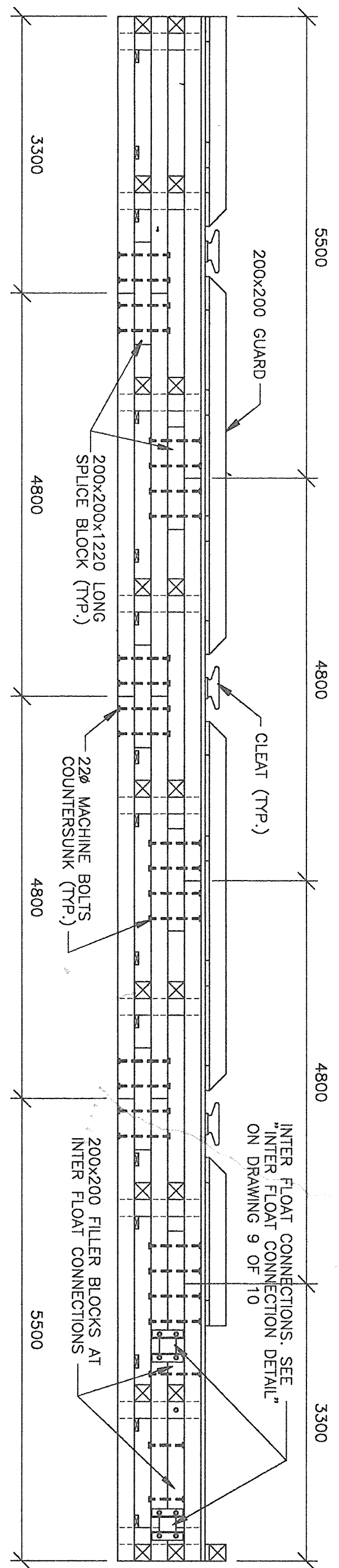
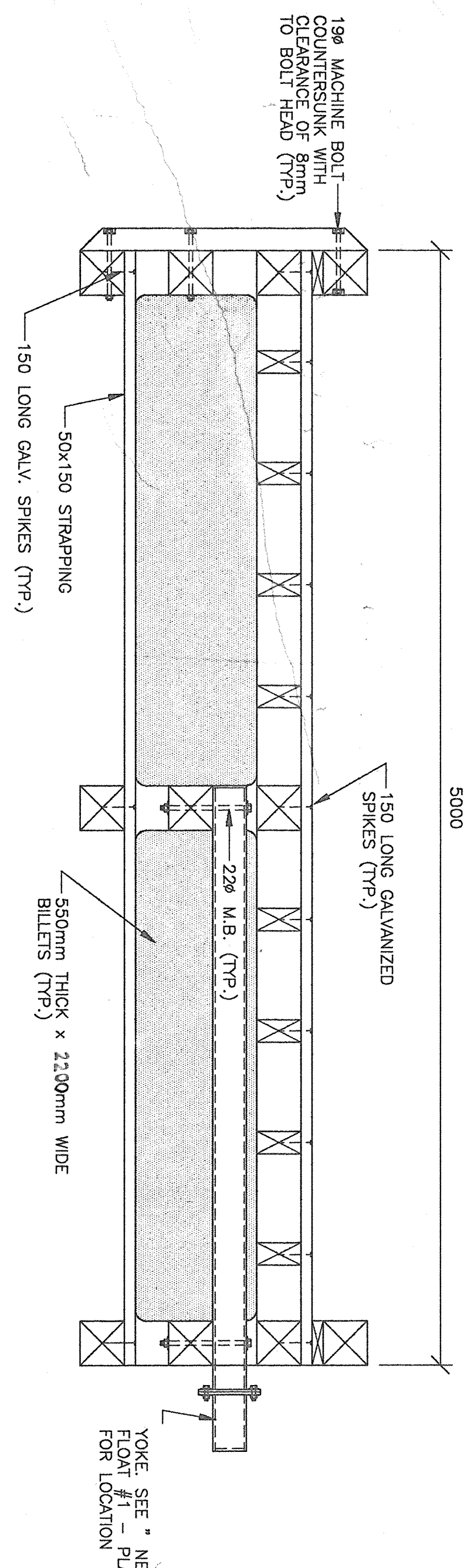
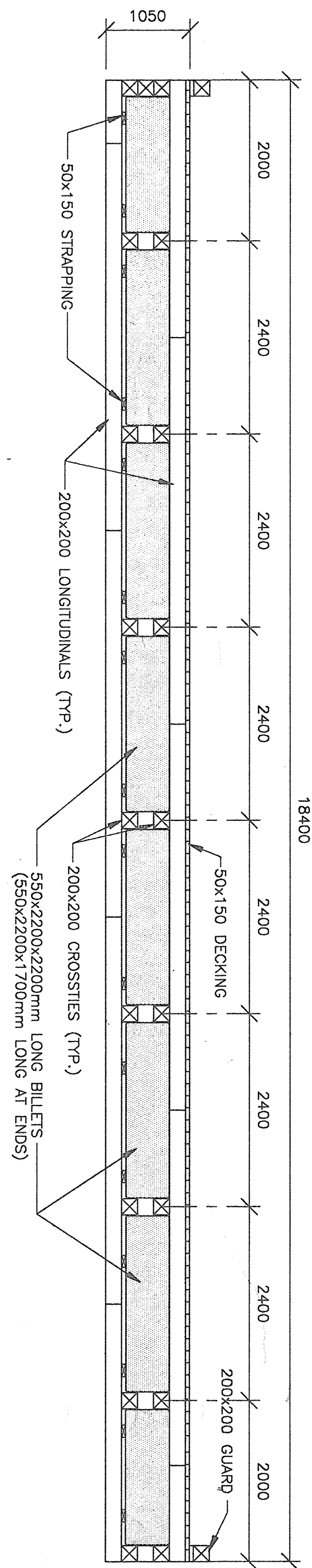
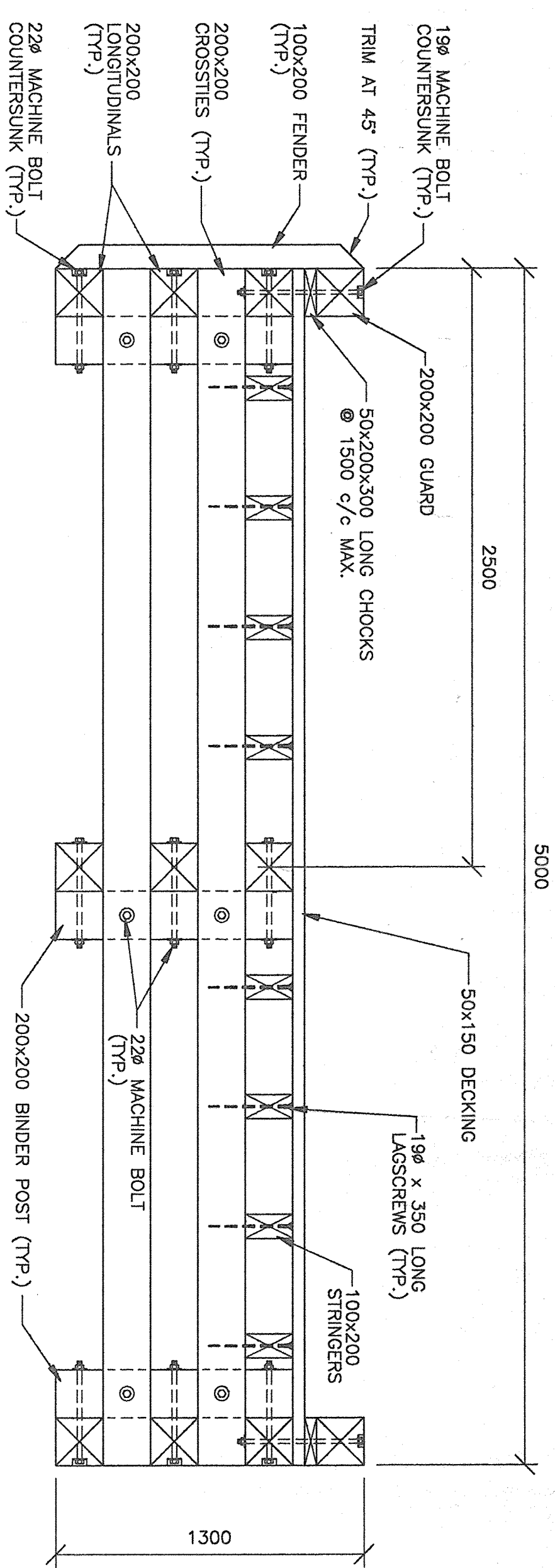
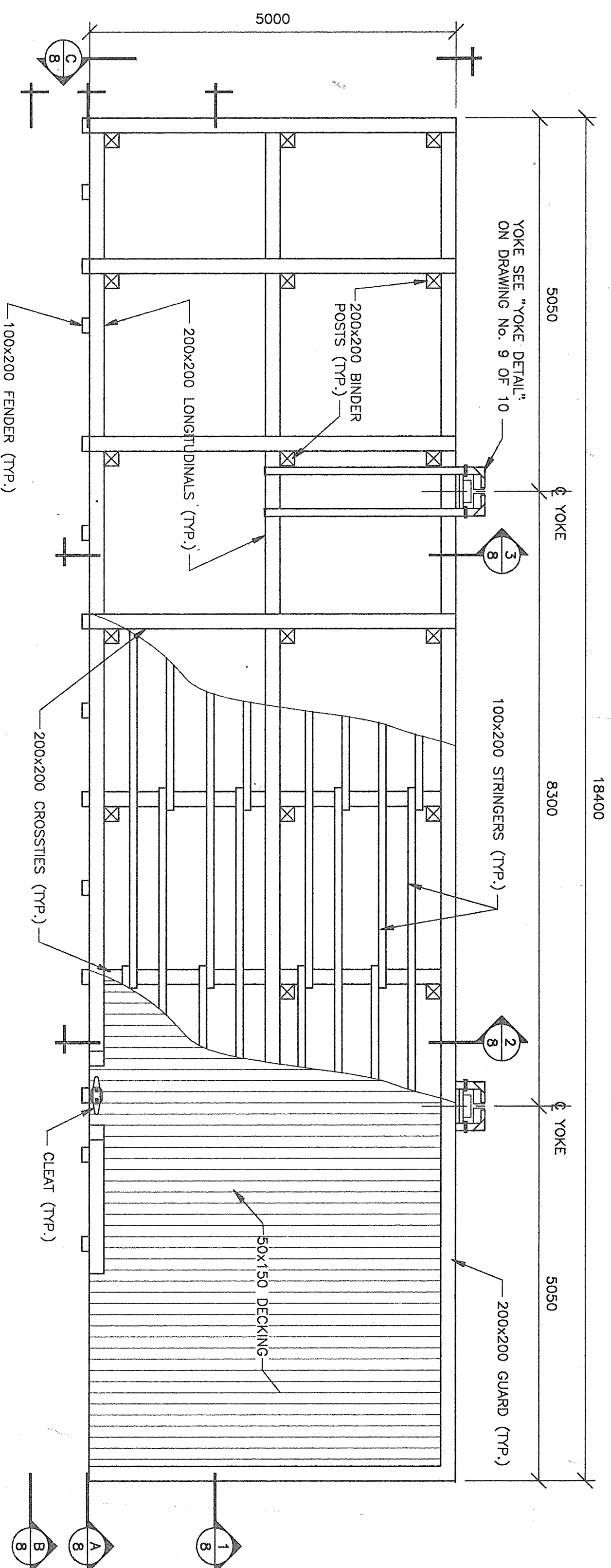
ELEVATION



Project: **PIERHEAD
RECONSTRUCTION
PUBLIC WHARF
ST. ANDREWS
CHARLOTTE CO., N.B.**

Plan of new pierhead
AND ELEVATIONS

Drawn by: **J. DORAN**
Date: **JAN. 1997**
Approved by: **J. DORAN**
Date: **JAN. 1997**
Project number: **659533**
Drawing no.: **4 OF 10**

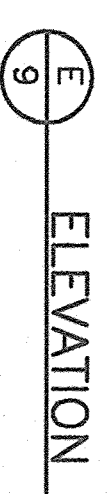
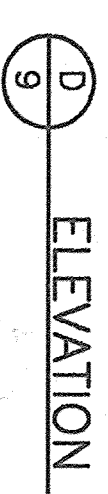
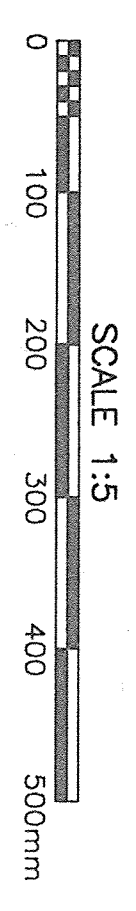
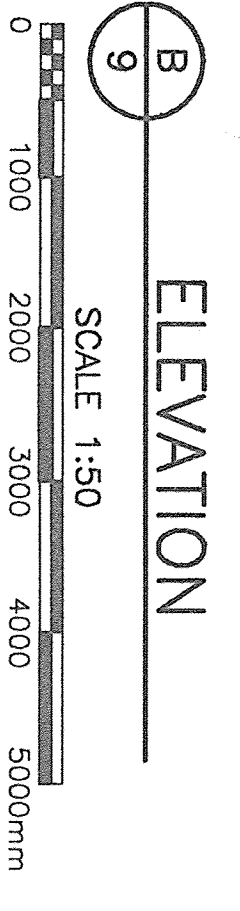
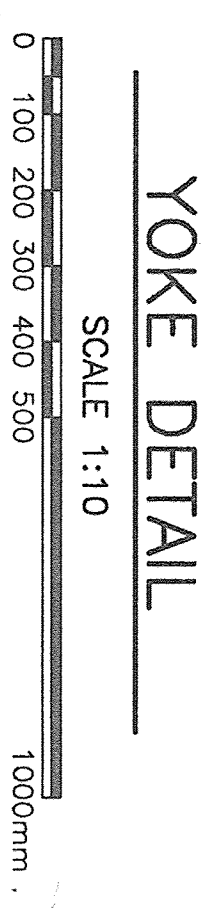
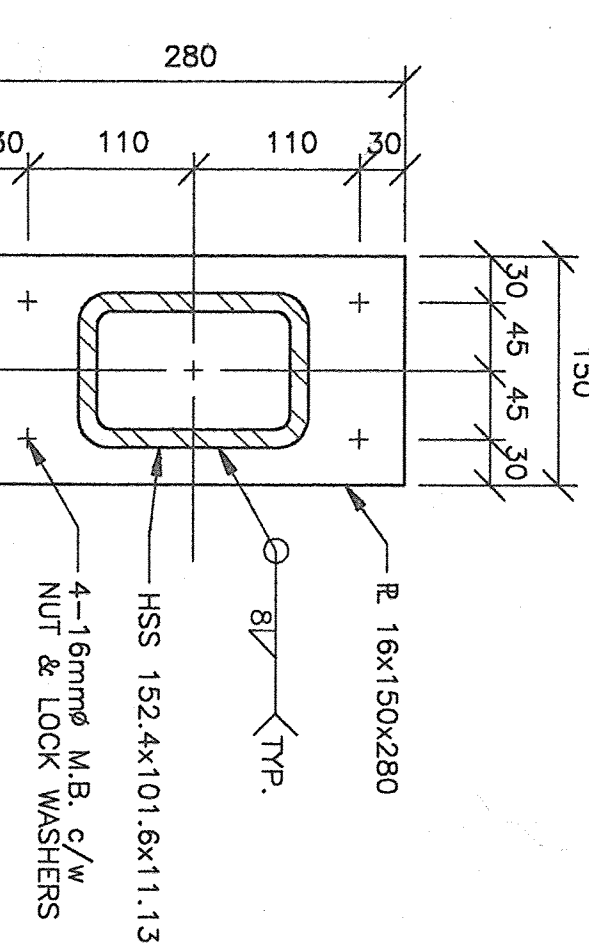
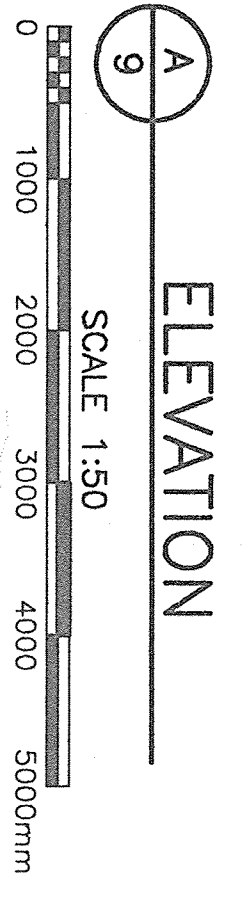
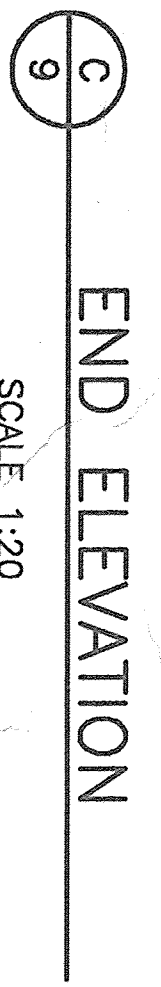
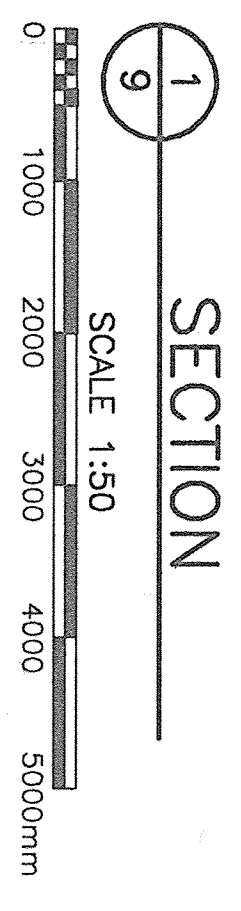
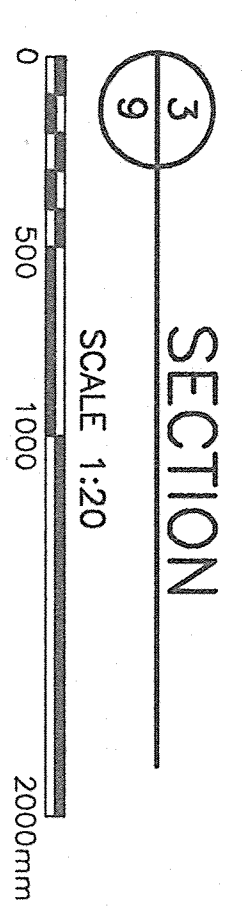
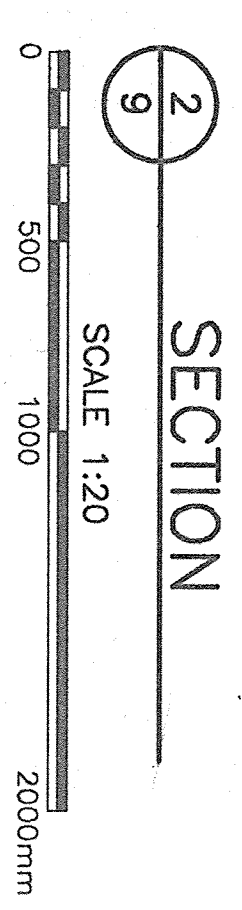
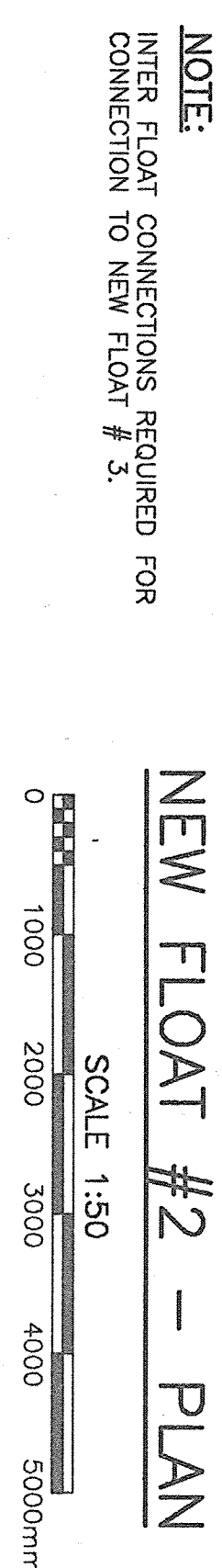


Project
PIERHEAD
RECONSTRUCTION
PUBLIC WHARF
ST. ANDREWS
CHARLOTTE CO., N.B.

Project
NEW FLOAT #1
PLAN & DETAILS

revisions	date
A As noted no. du dessin	A As noted no. du dessin
C Check and correct no. du dessin	B/C Check and correct no. du dessin

designed J. DORAN	conçu J. DORAN
drawn J. DORAN	dessiné J. DORAN
date JAN. 1996	date JAN. 1996
approved J. DORAN	approuvé J. DORAN
Project Manager 659533	Project Manager 659533
Project Number 659533	Project Number 659533
drawing no. 8 OF 10	no. du dessin 8 OF 10



revisions	date
	

Project
PIERHEAD
RECONSTRUCTION
PUBLIC WHARF
ST. ANDREWS
CHARLOTTE CO., N.B.

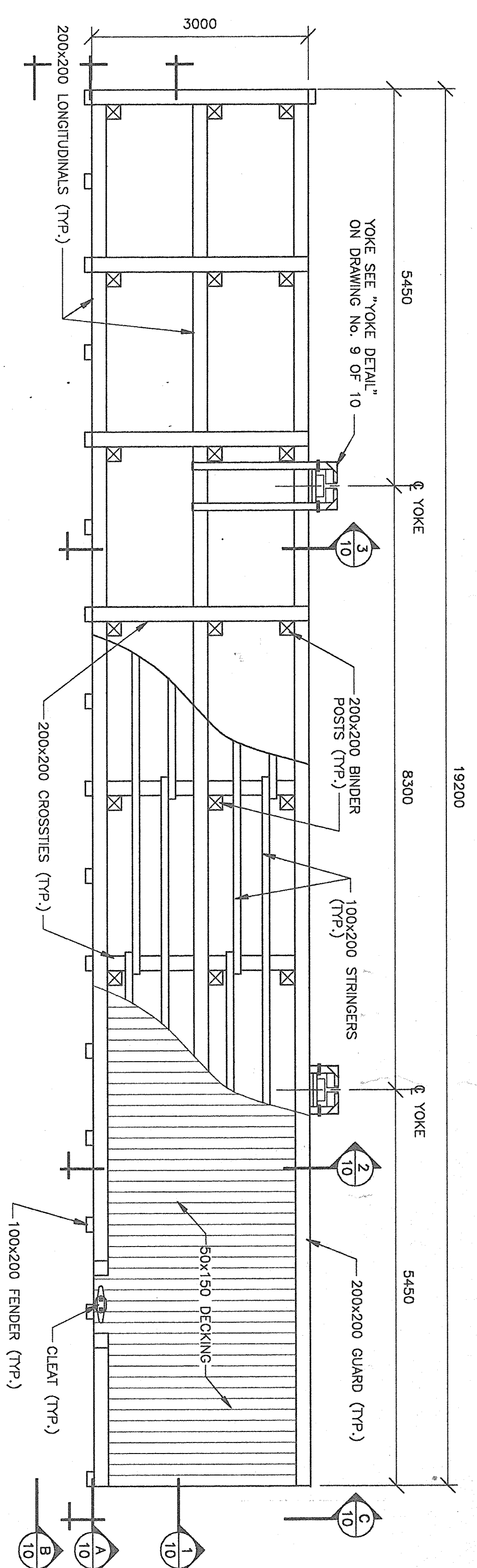
drawing

NEW FLOAT #2

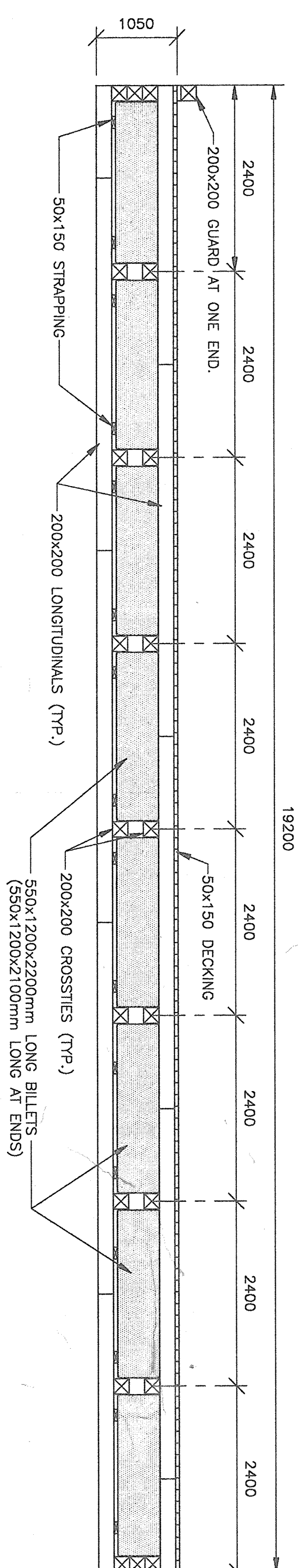
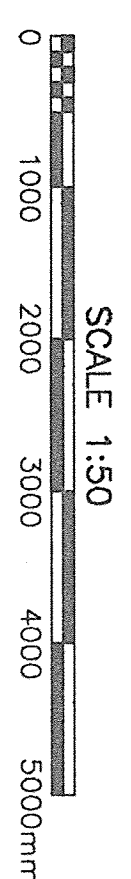
PLAN & DETAILS

design

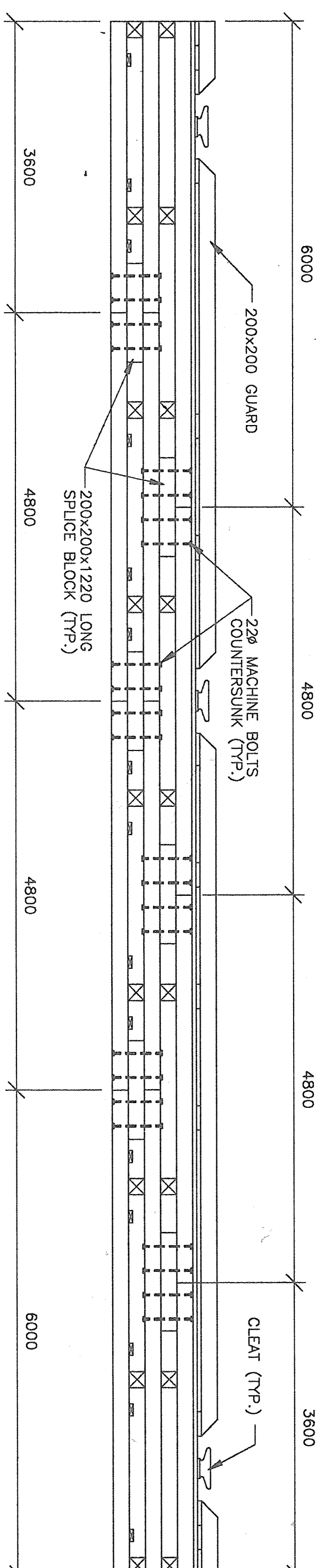
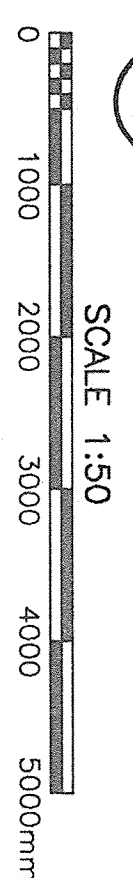
designed	by	congru
date		design
drawn	D.ORM	
date	JAN. 1996	
approved	by	approved
date	Feb. 1997	
checked	by	submitted
TSCC Project Manager Administrator de projets TSCC		
project number	no. du projet	
659553		



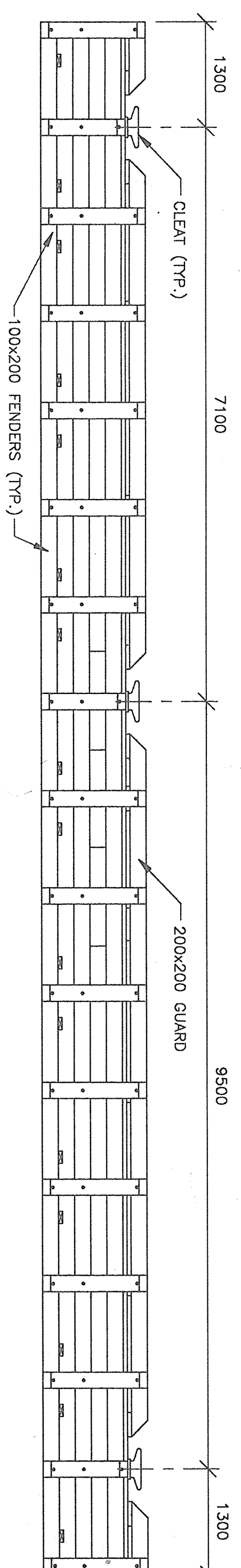
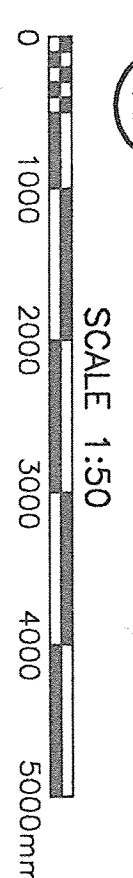
NEW FLOAT #3 - PLAN



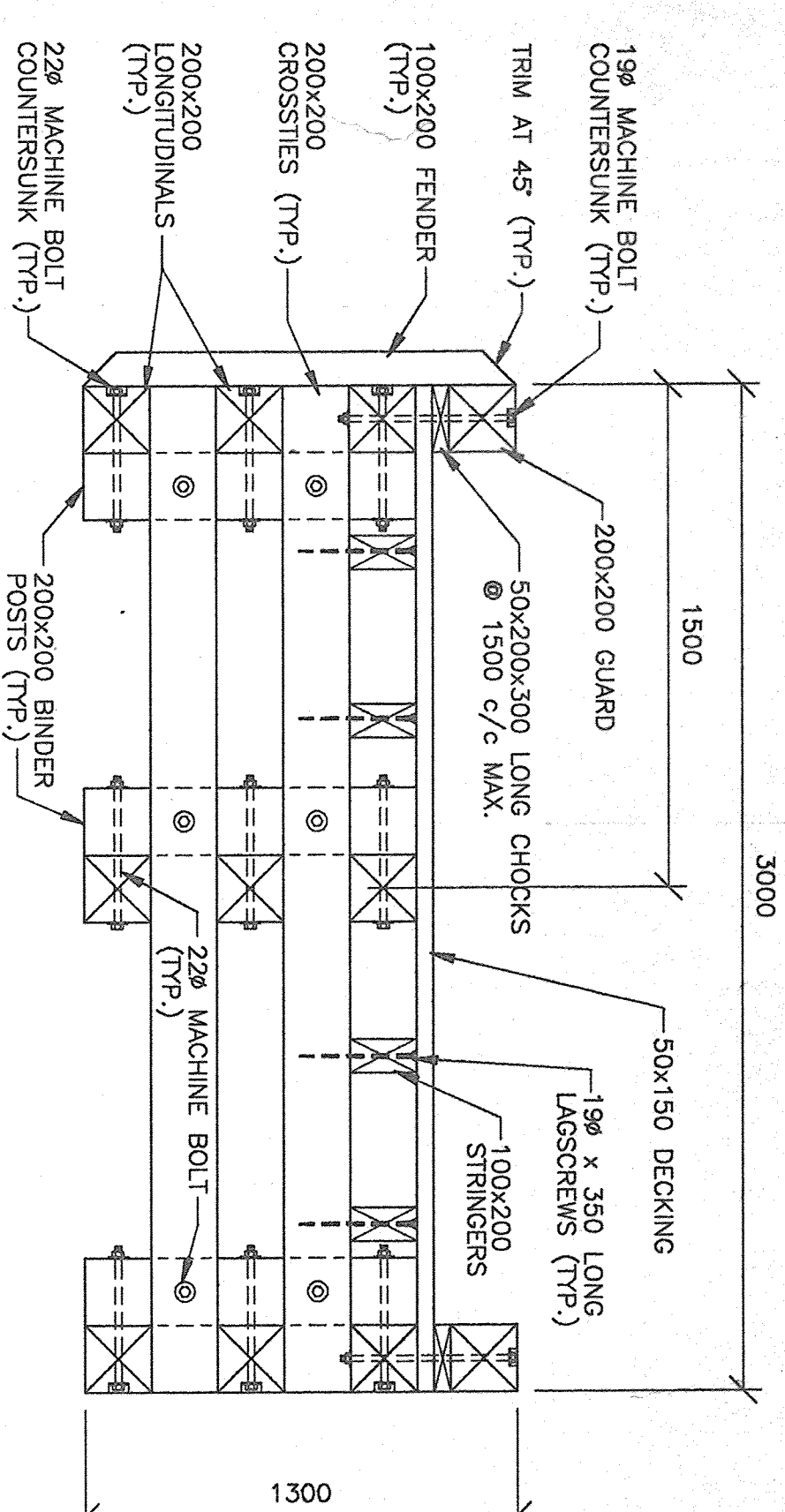
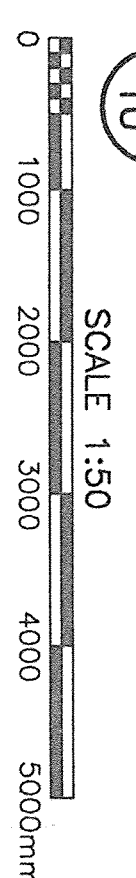
SECTION 1



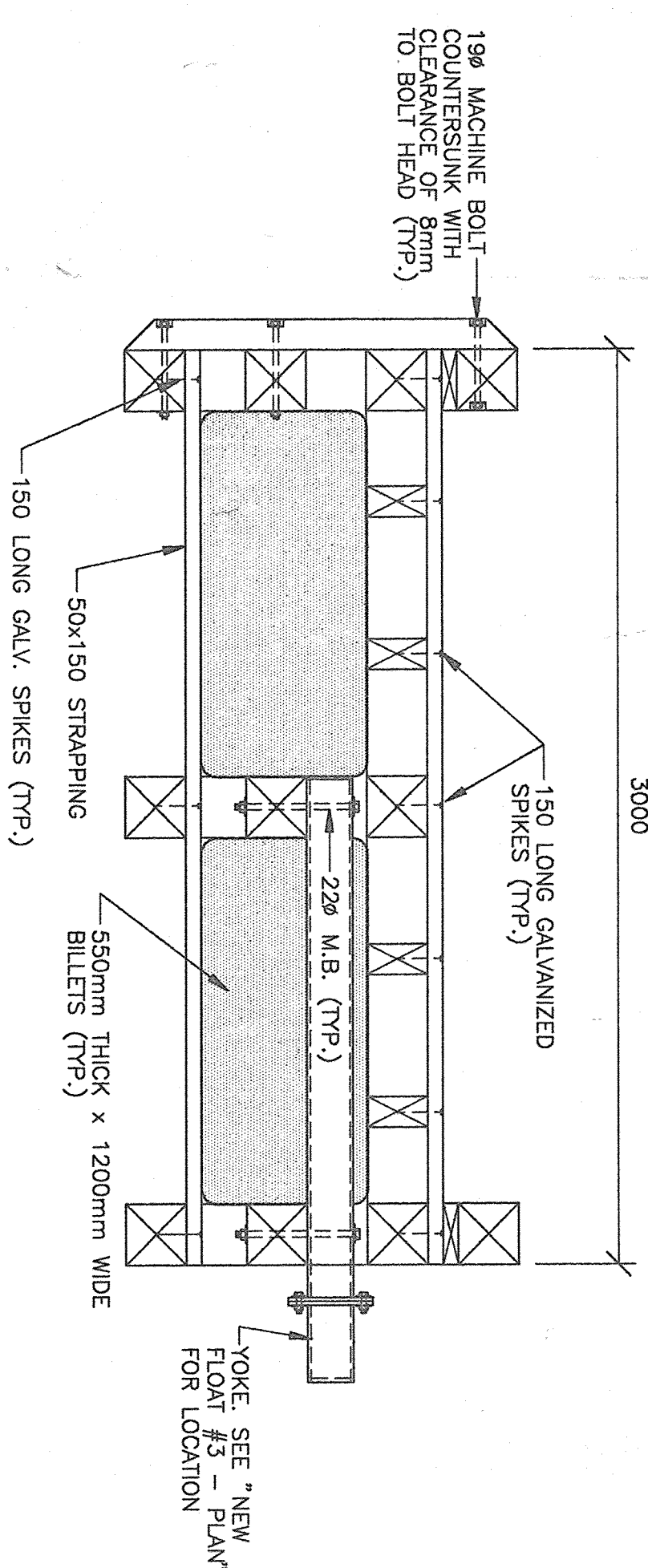
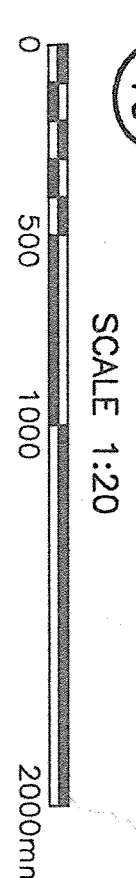
A
ELEVATION



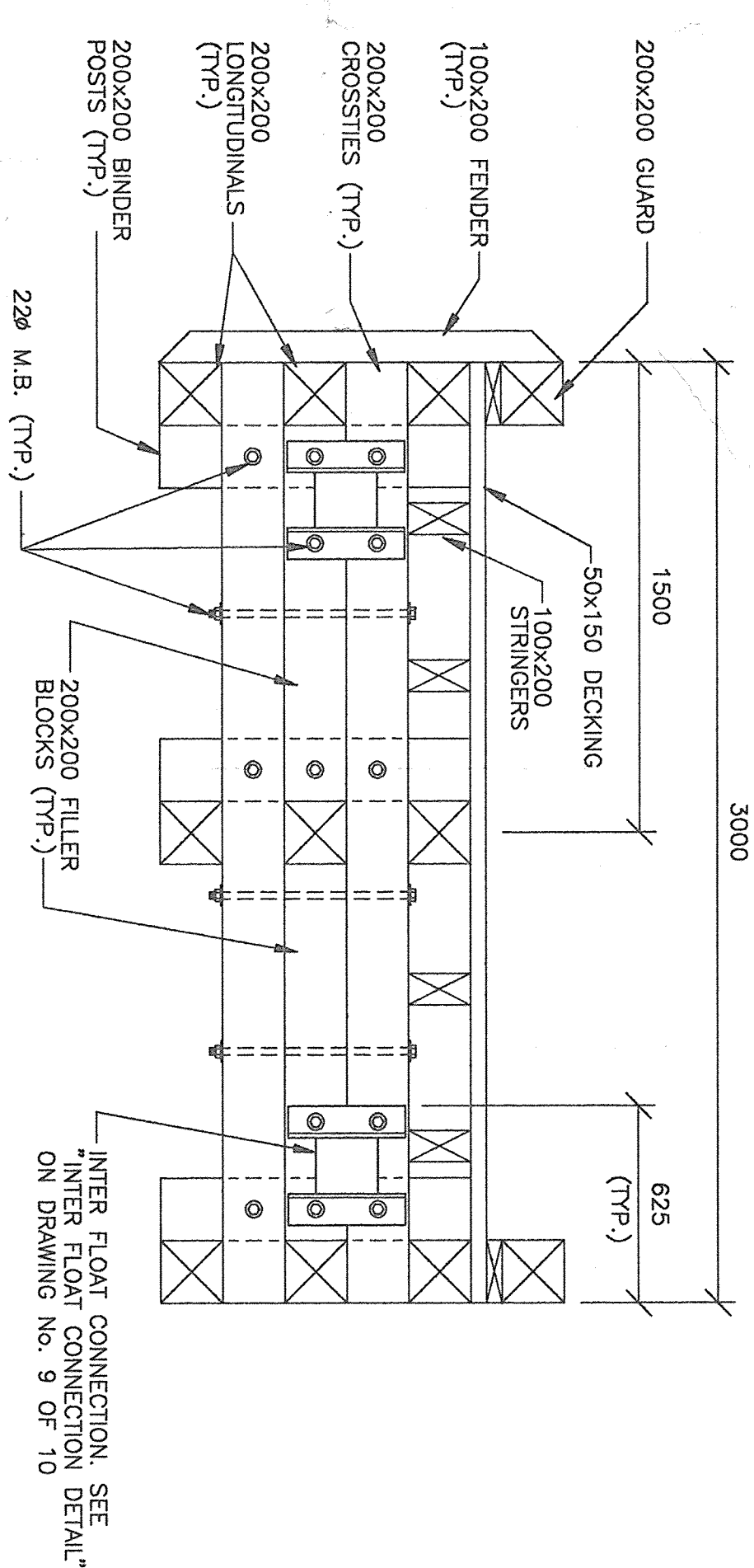
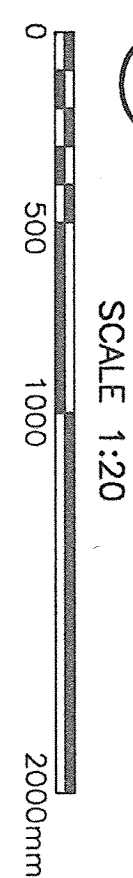
B
ELEVATION



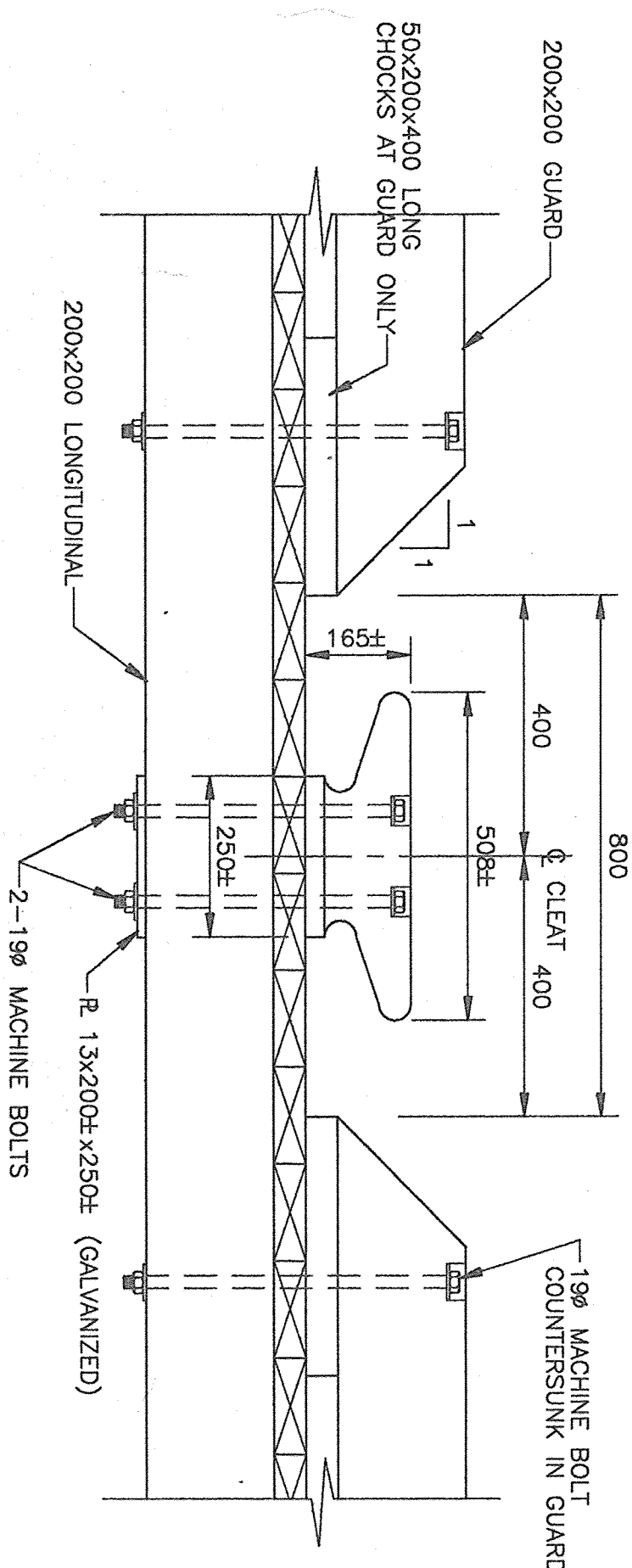
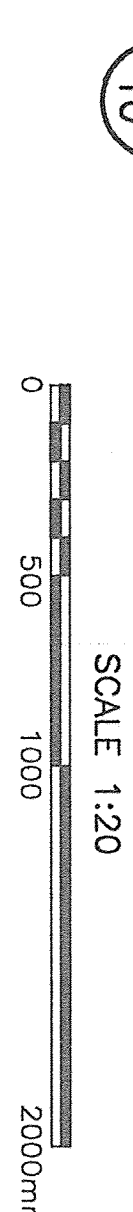
SECTION 2



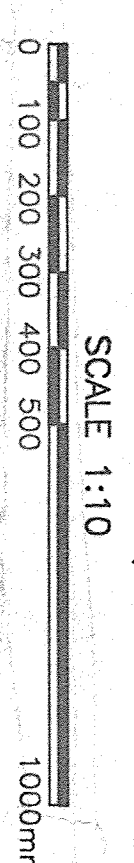
SECTION 3



⑥ TYPICAL END ELEVATION



CLEAT DETAIL (3 REQUIRED)



revisions	date

Adetail no.
 no. du détail
 Blocation drawing no.
 sur dessin no.
 Corrawing no.
 dessin no.

PIERHEAD
RECONSTRUCTION
PUBLIC WHARF
ST. ANDREWS
CHARLOTTE CO., N.B.

NEW FLOAT #3
PLAN & DETAILS

designer	Tom Cl	company	
date	14.03.1997		
drawn	D. ORSAM	designed	
date	JAN. 1986		
approved	Tom Cl	approved	
date	14.03.1997		
Trainer	Michael M. Ward	Seoulisation	
PRACIC Project Manager: Keministator of project 775500			
project number	6559533	no. du projet	
ordering no.		no. du dessin	