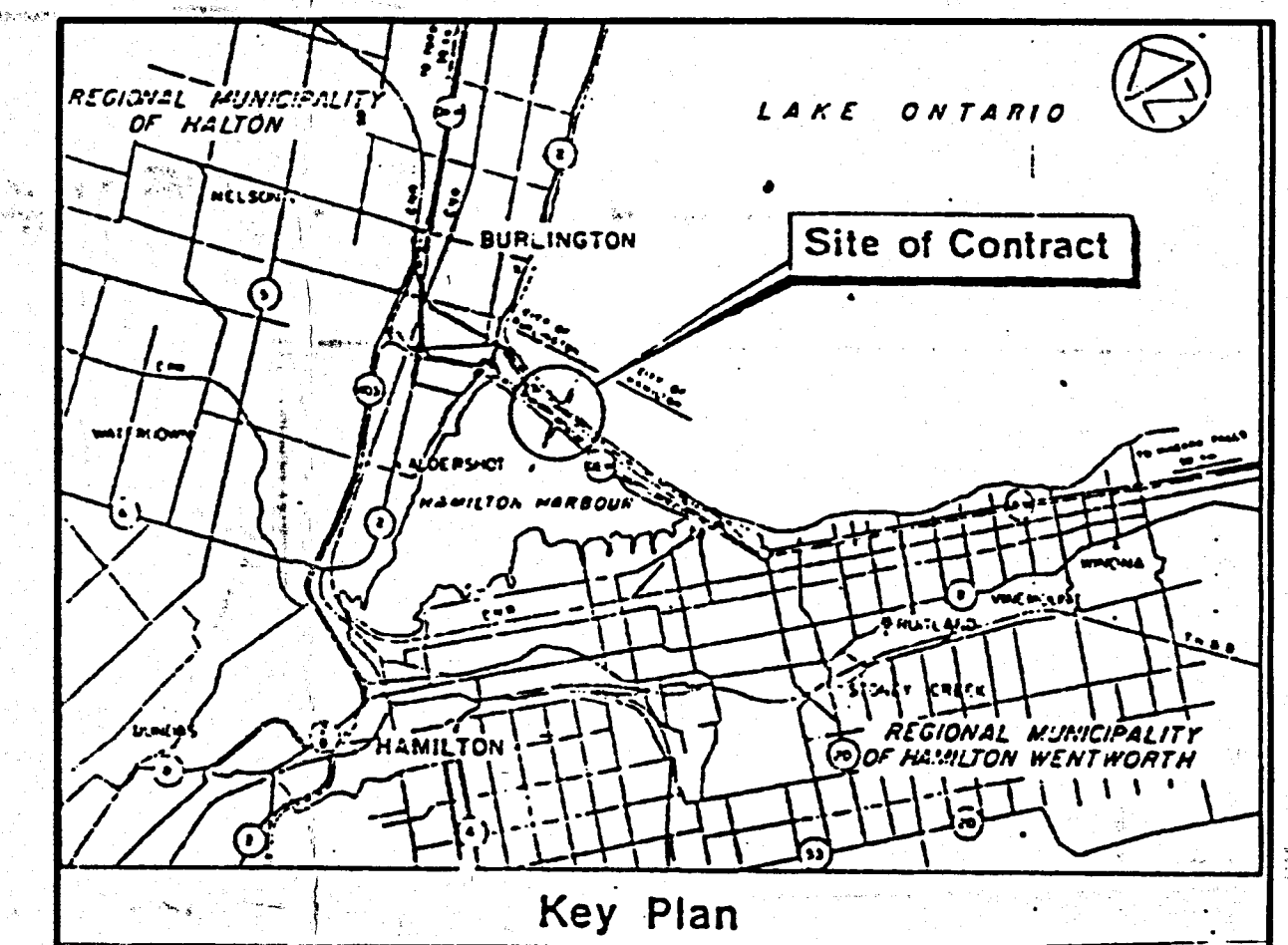


PLAN - EXISTING TRUSS
SCALE 1:100



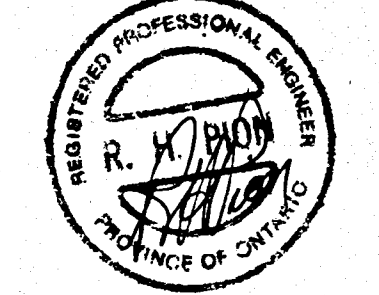
- GENERAL NOTES**
- SPECIFICATIONS: PROJECT SPECIFICATIONS (HEREINAFTER THESE WILL BE REFERRED TO AS 'SPEC'S') AASHTO SPECIFICATIONS, CSA STANDARDS AND AS NOTED.
 - DESIGN CODE: CAN/CSA S6, UNLESS NOTED OTHERWISE.
 - DESIGN LOAD: CAN/CSA S6, CS600.
 - UNITS: 1. CHAINAGES AND ELEVATIONS IN m.
2. DIMENSIONS IN mm.
3. STEEL SECTIONS: IMPERIAL UNITS.
 - STRUCTURAL STEEL: TO CSA CAN3-G40.21, GRADE 300W, UNLESS NOTED OTHERWISE.
 - WELDING: TO CSA W59, UNLESS NOTED OTHERWISE.
 - DIMENSIONS OF EXISTING STRUCTURE TO BE VERIFIED BY CONTRACTOR IN FIELD, BEFORE COMMENCEMENT OF WORK.
 - INFORMATION AND BENCH MARKS, EXISTING STRUCTURE, LOCATION AND ORIENTATION TO BE OBTAINED FROM:
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA
ONTARIO REGION
4900 YOUNG STREET
WILLOWDALE, ONTARIO, M2N 6A6

Public Works and Government Services / Travaux publics et Services gouvernementaux Canada

National Centre of Expertise / Centre d'expertise national
National Center of Expertise Architectural and Engineering Services Real Property Services Branch
Centre d'expertise national Services d'architecture et génie Direction générale des services immobiliers

This drawing is part of the document referred to as "Plans and Specifications" and marked "A" in the Articles of Agreement entered into on the 7th day of JANUARY 19, 2000 between Her Majesty the Queen and LOUIS W. BRYAN CONSTRUCTION LIMITED.
Louis W. Bryan
Signed - CONTRACTOR

TRUE COPY OF PLAN EXHIBITED FOR TENDER.
REGIONAL MANAGER REAL PROPERTY CONTRACTS Ontario Region
[Signature]

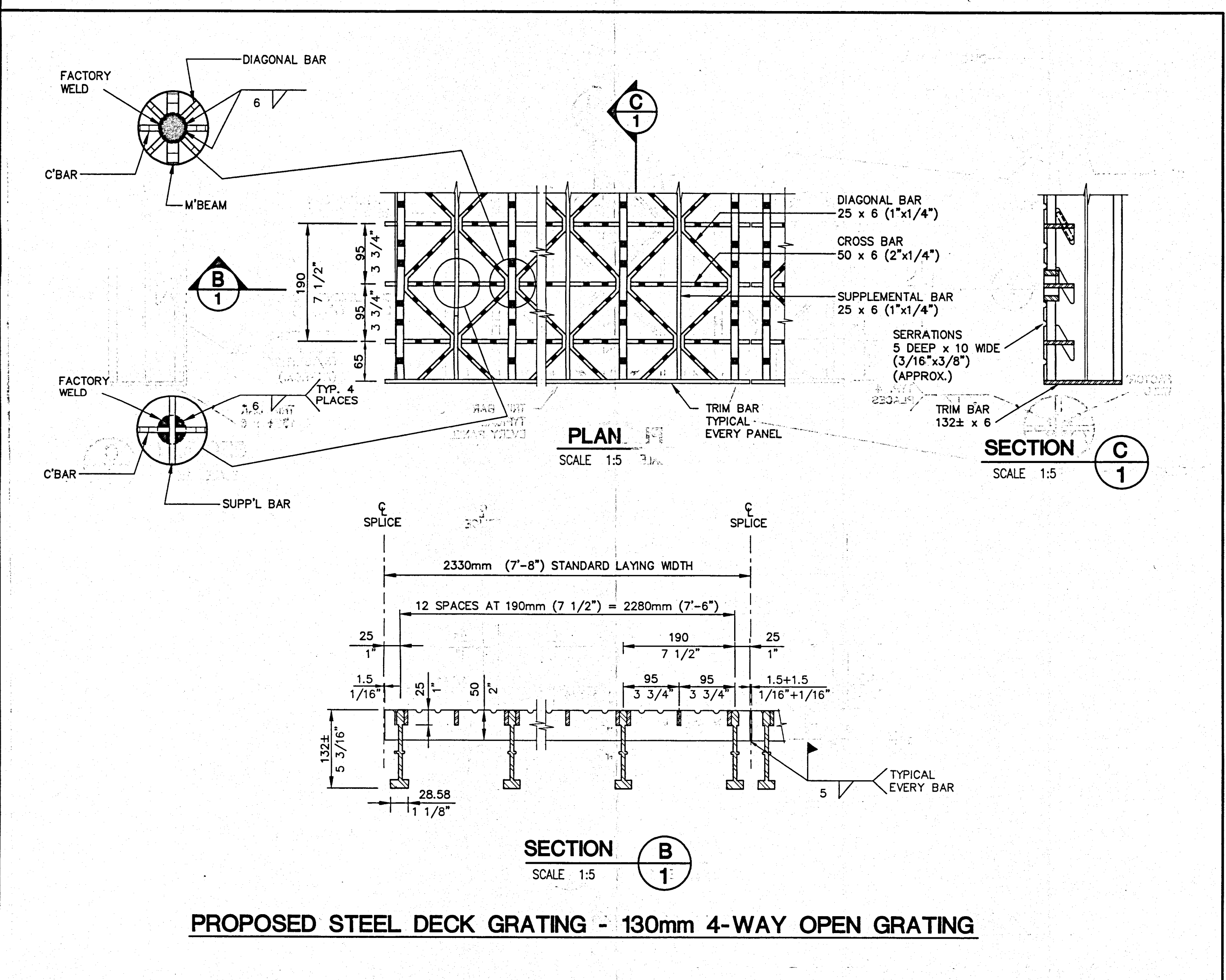


revisions	date
A	
B	
C	

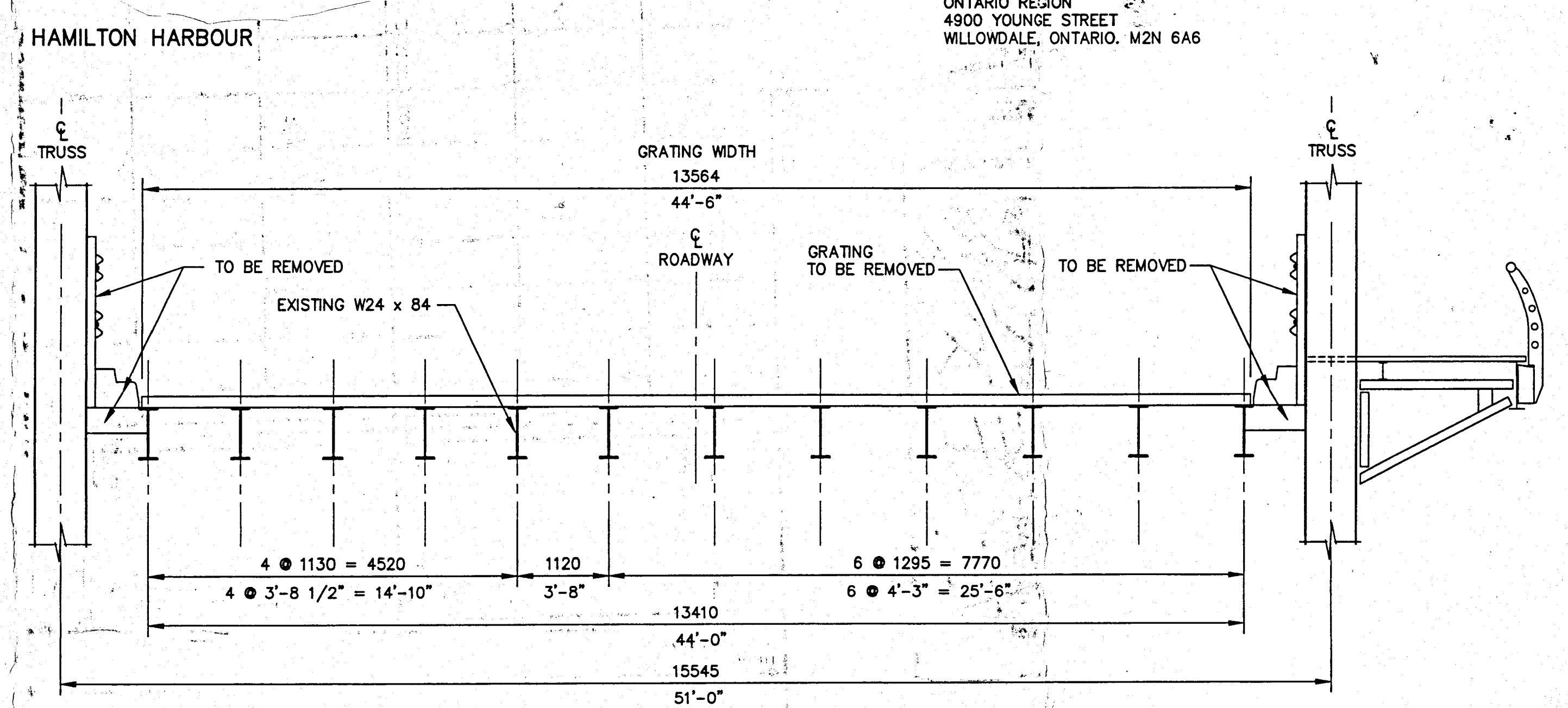
BURLINGTON CANAL LIFT BRIDGE

NEW DECK GRATING

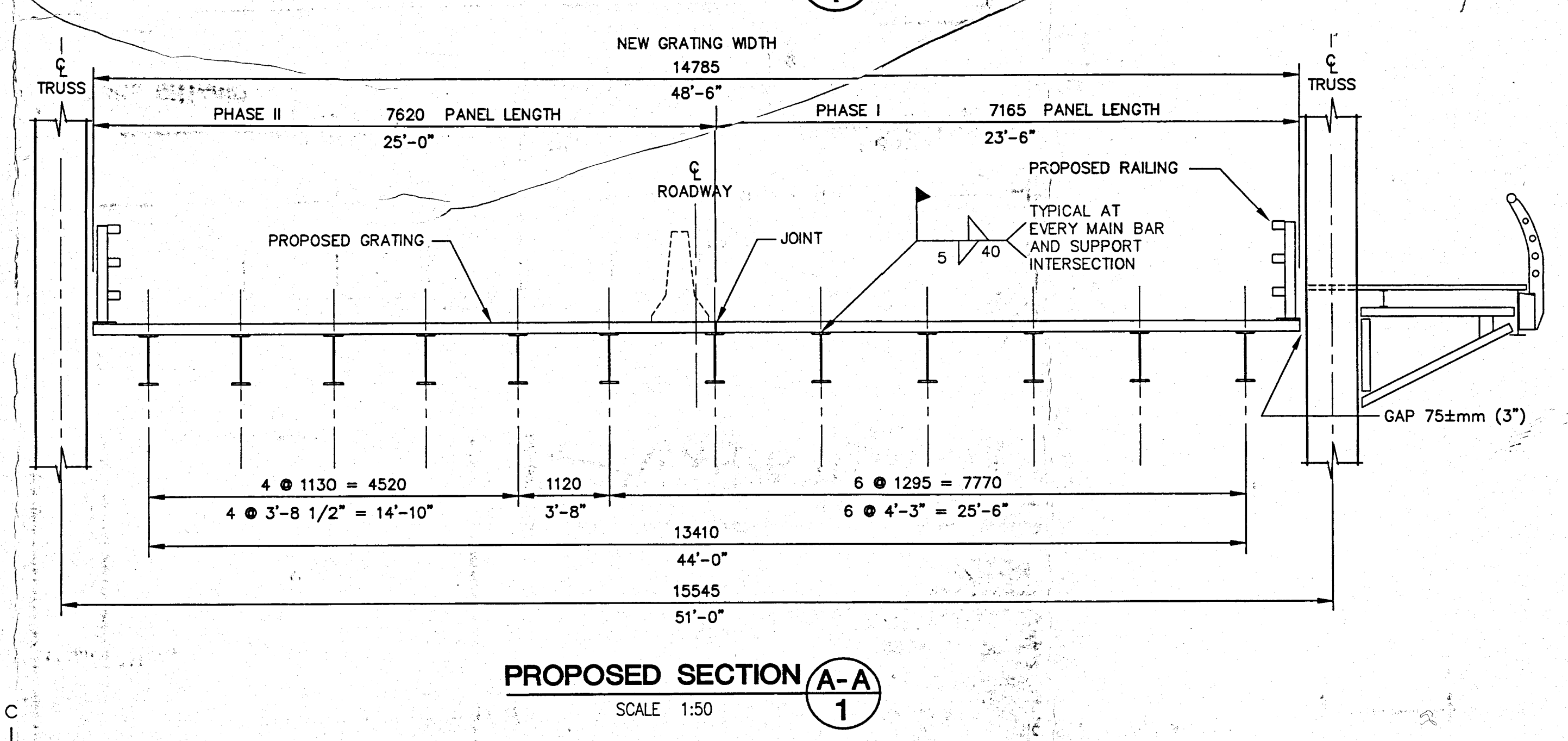
designed	R.H. PION	conçu
date		
drawn	G.E. ROBERTS	dessiné
date	99-10-29	
reviewed	R.H. PION	examiné
date		
approved		approuvé
date		
Tender	ENN LEESTI	Soumission
Project Manager	Administrateur de projets	
project no.	104365	no. du projet
drawing no.	1 / 3	no. du dessin



PROPOSED STEEL DECK GRATING - 130mm 4-WAY OPEN GRATING



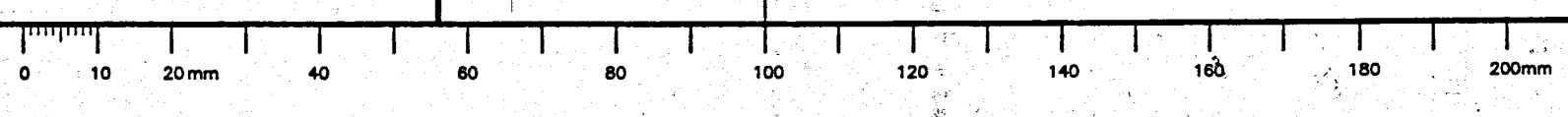
EXISTING SECTION A-A
SCALE 1:50



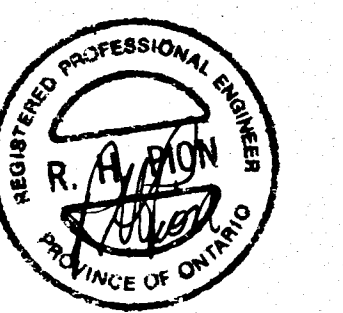
PROPOSED SECTION A-A
SCALE 1:50

PLOT SCALE 1:1

PWCS B1



TRUE COPY OF PLAN EXHIBITED FOR TENDER / VÉRIFIÉ PAR LE MANAGER EN CHARGE DES SOUS-PROJETS / REAL PROPERTY CONTRACTING



revisions	date
-----------	------

A	A detail no. / no. de détail	A
C	B location drawing no. / sur dessin no.	B/C
	C drawing no. / dessin no.	

project _____ projet _____

BURLINGTON CANAL LIFT BRIDGE

drawing _____ dessin _____

RAILING

designed R.H. PION conçu

drawn G.E. ROBERTS 99-10-29 dessiné

reviewed R.H. PION examiné

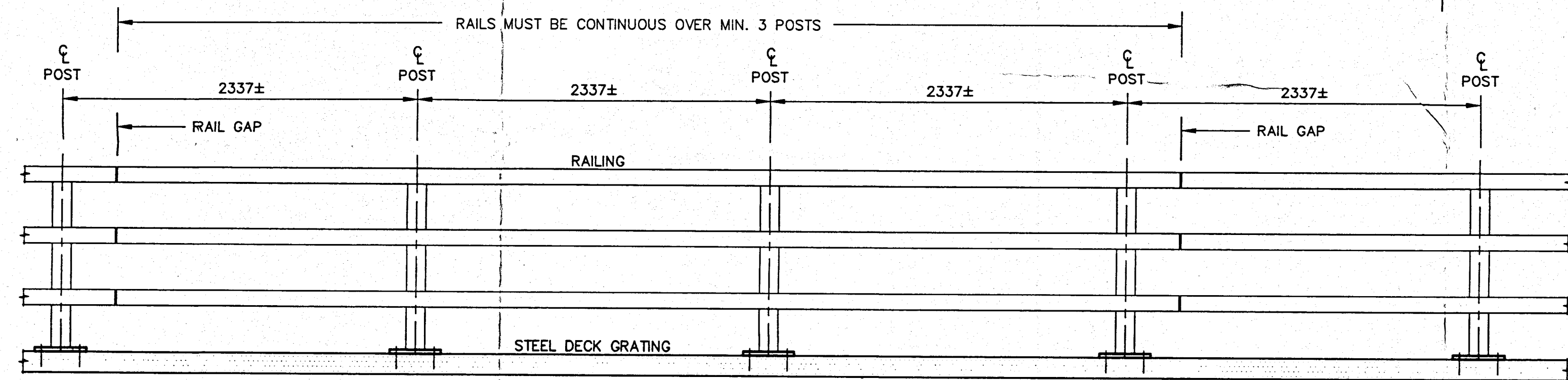
approved _____ approuvé

Tender ENN LEESTI Submission

Project Manager _____ Administrateur de projets

104365

drawing no. 2 / 3 no. du dessin



ELEVATION - RAIL POST SPACING

SCALE 1:2

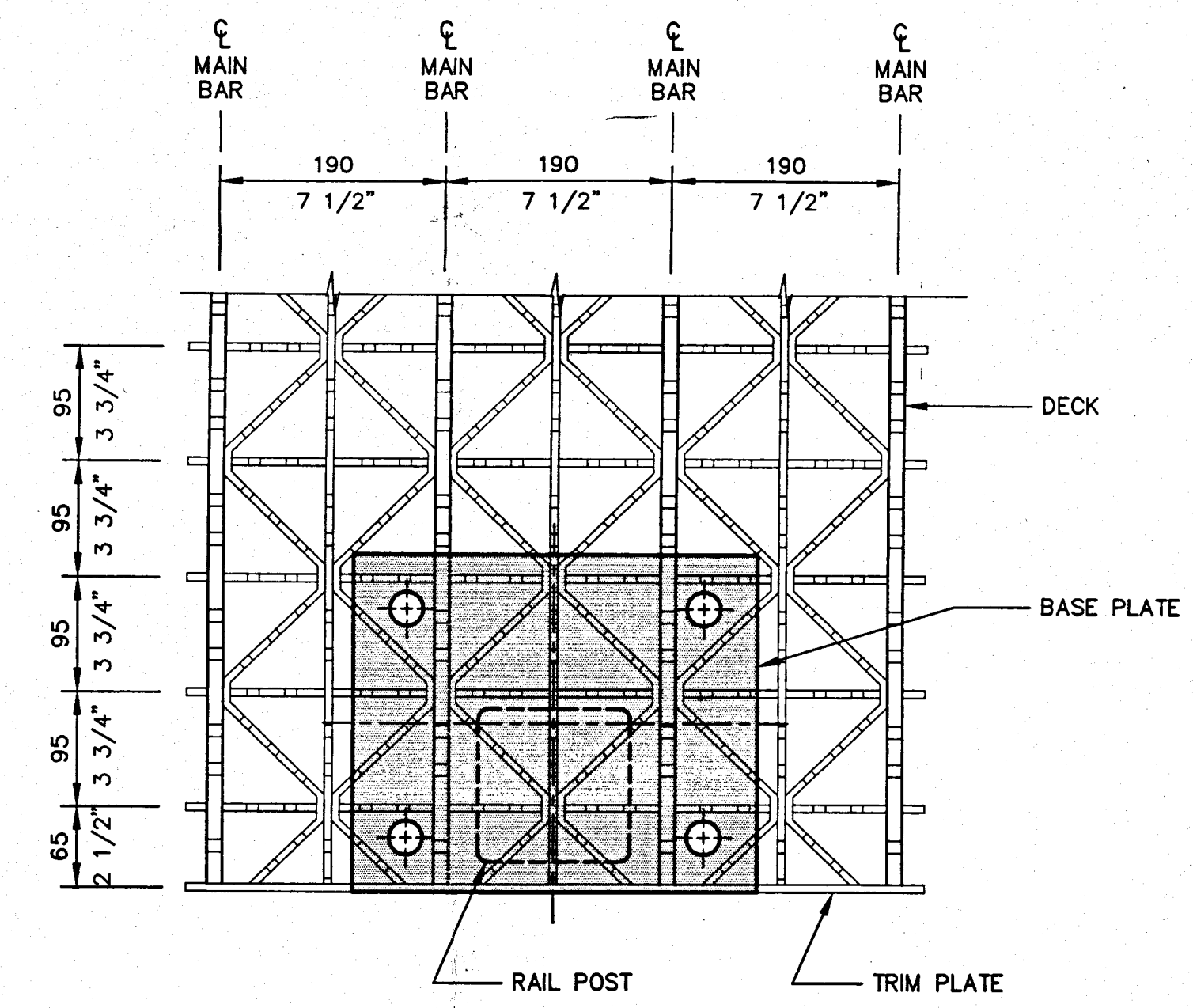
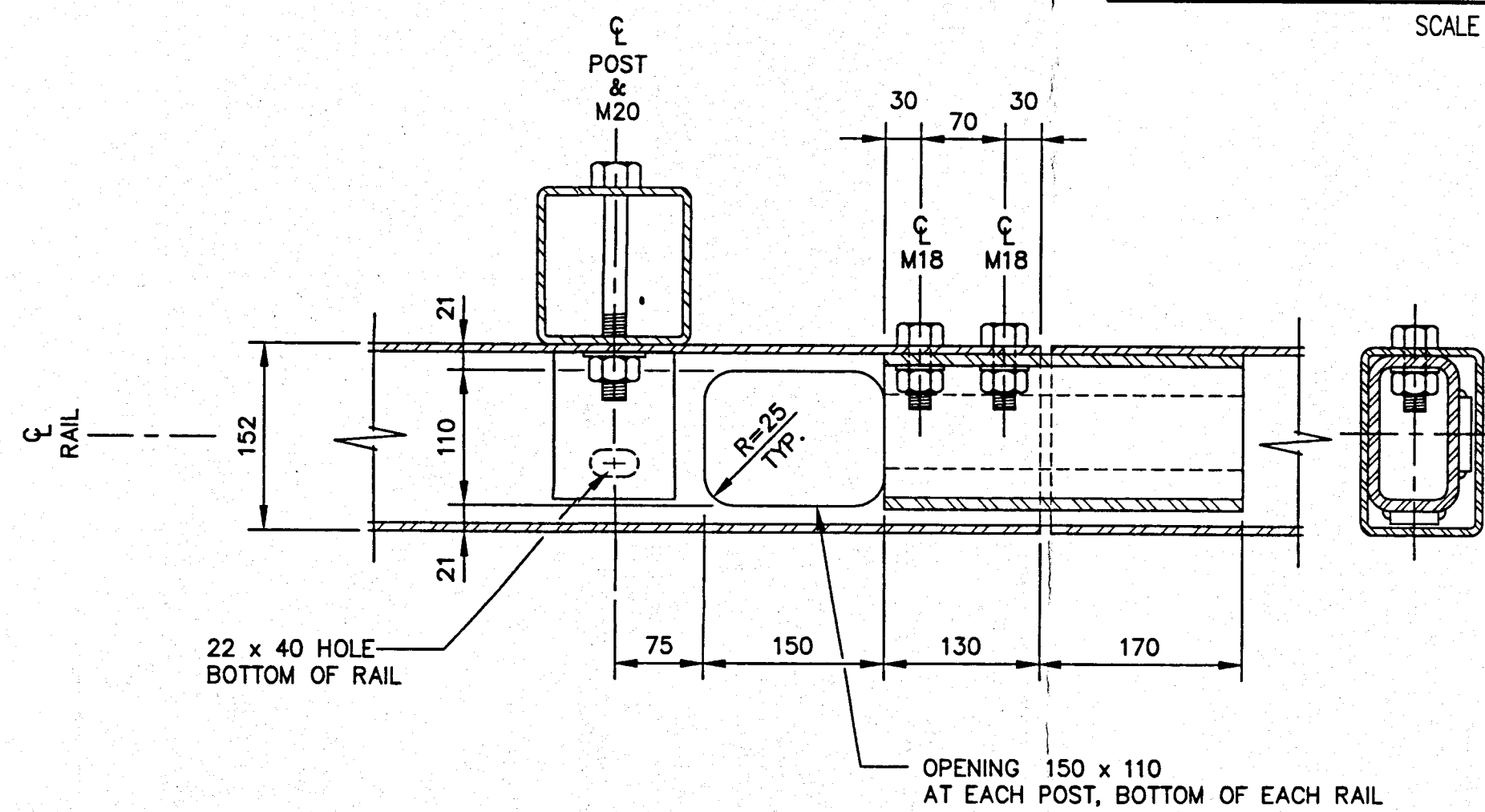


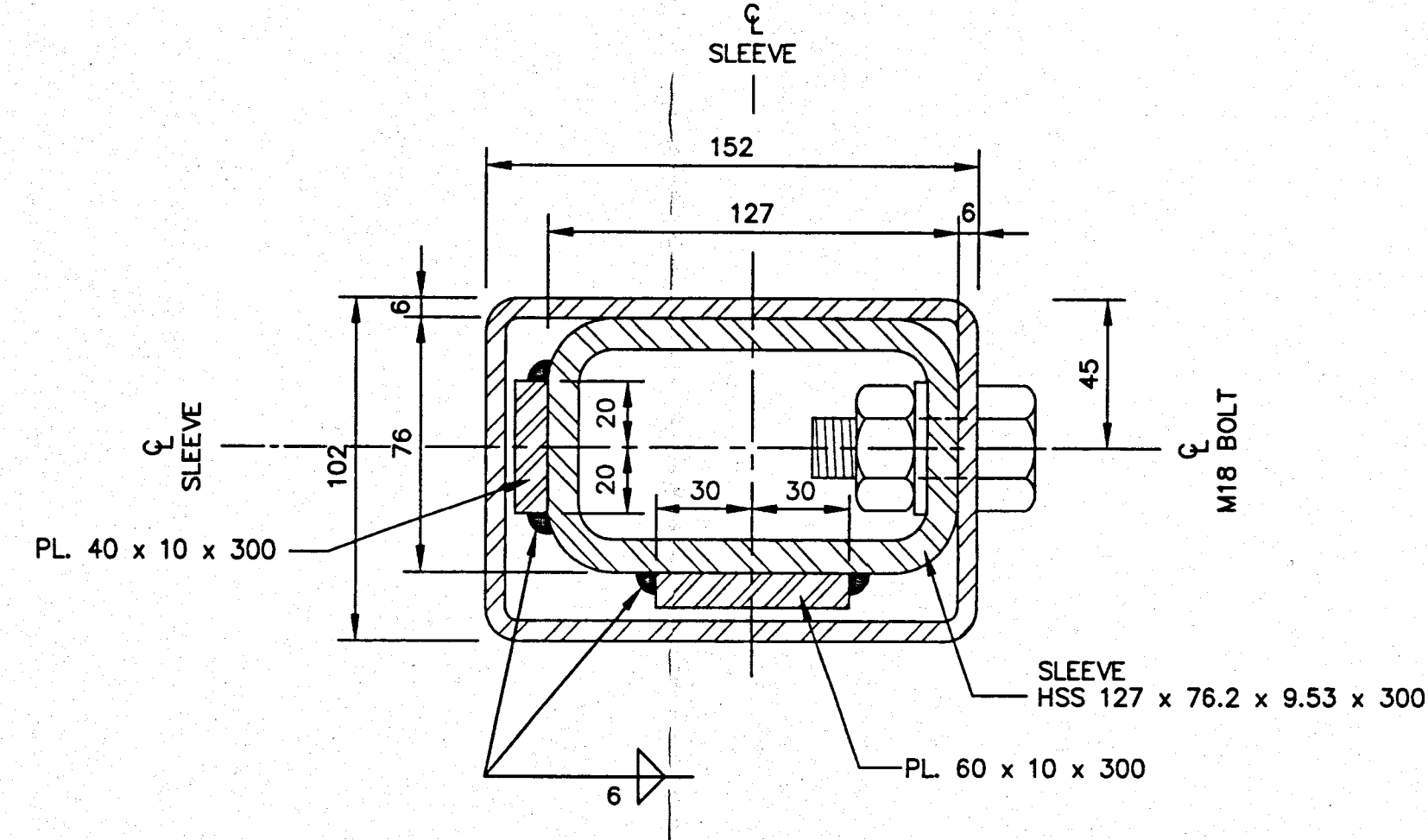
PLATE LOCATION DETAIL

SCALE 1:5 **D** 2/2



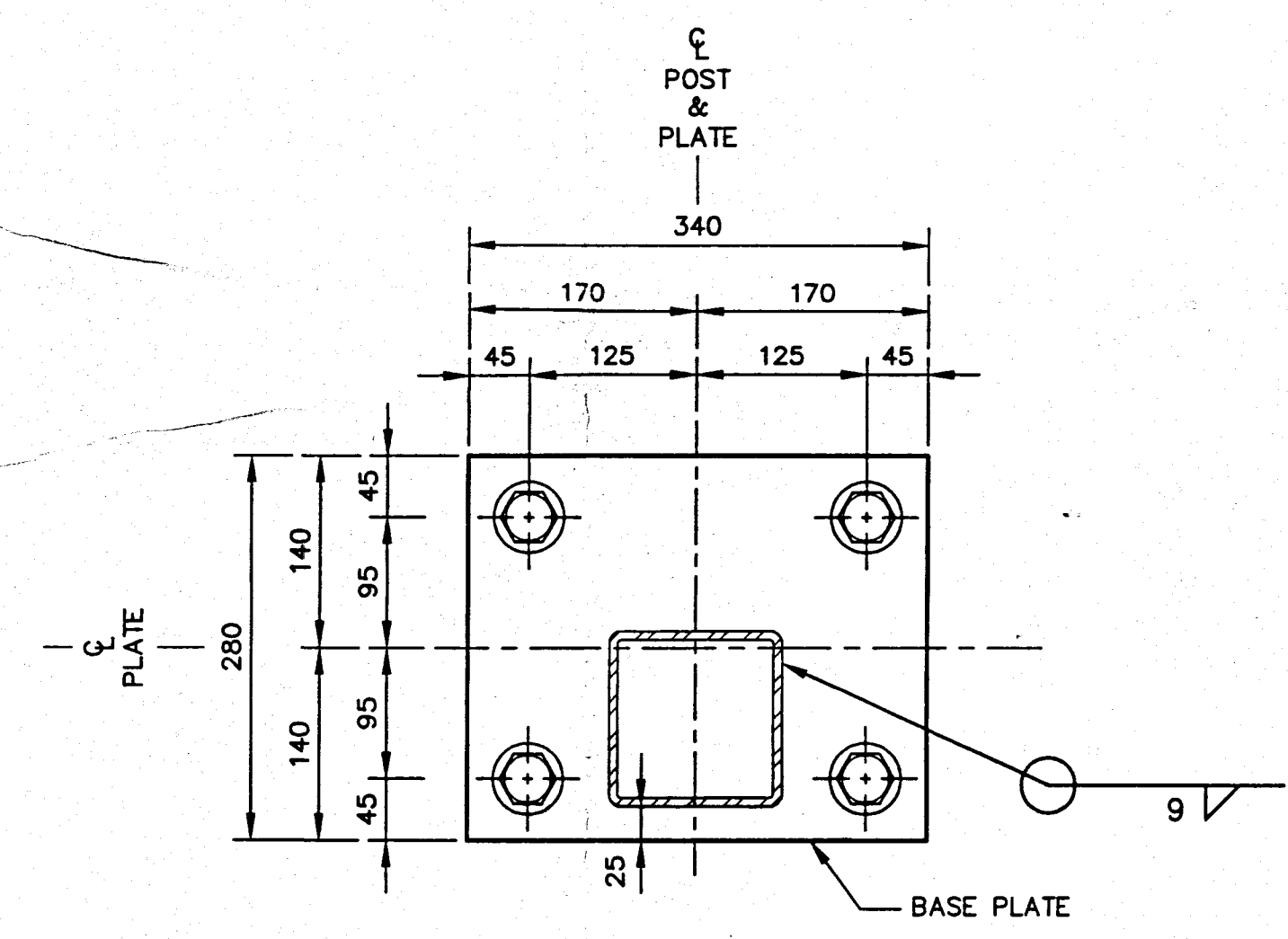
SECTION B

SCALE 1:2 **2/2**



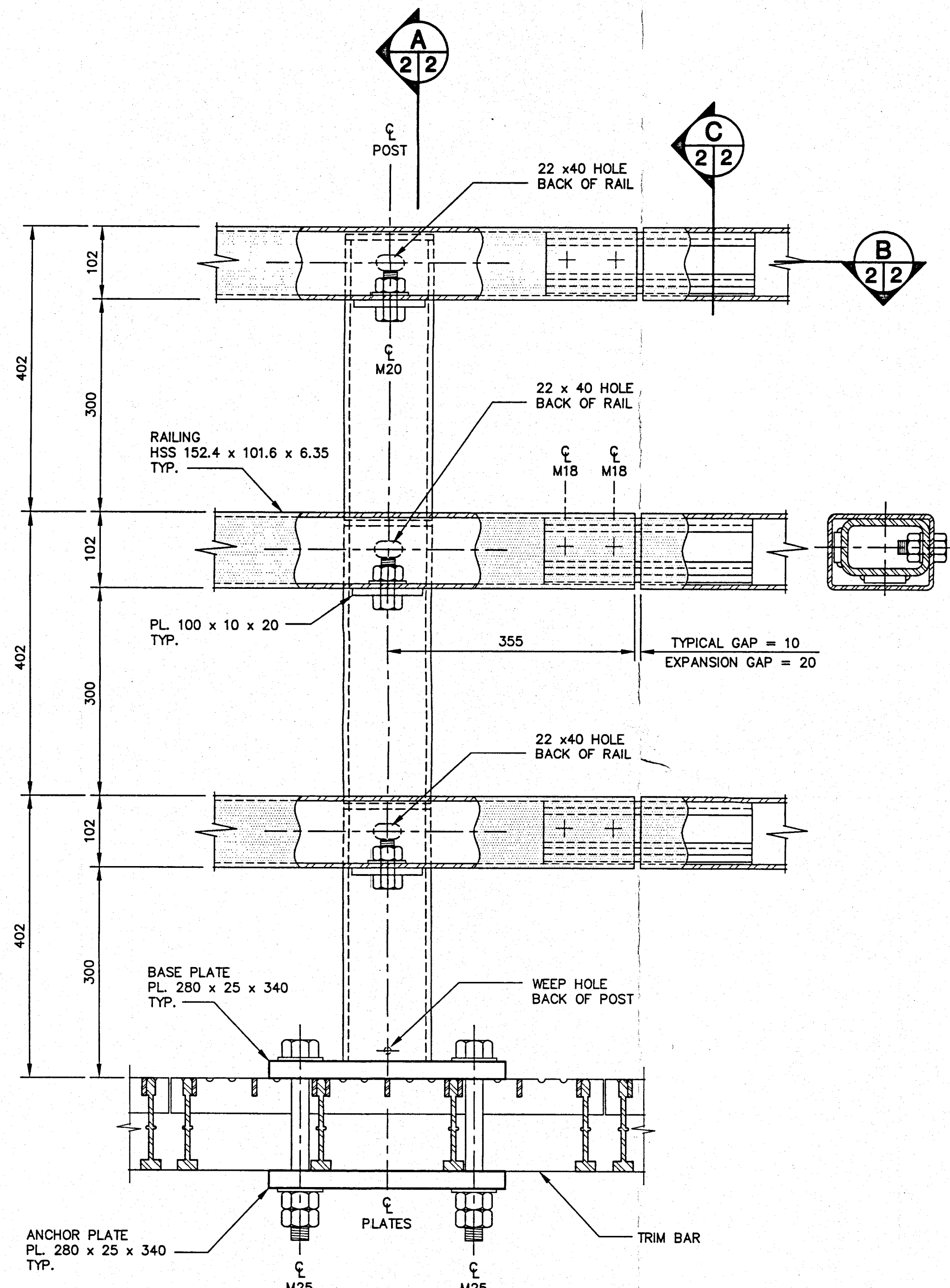
SECTION C

SCALE 1:2 **2/2**



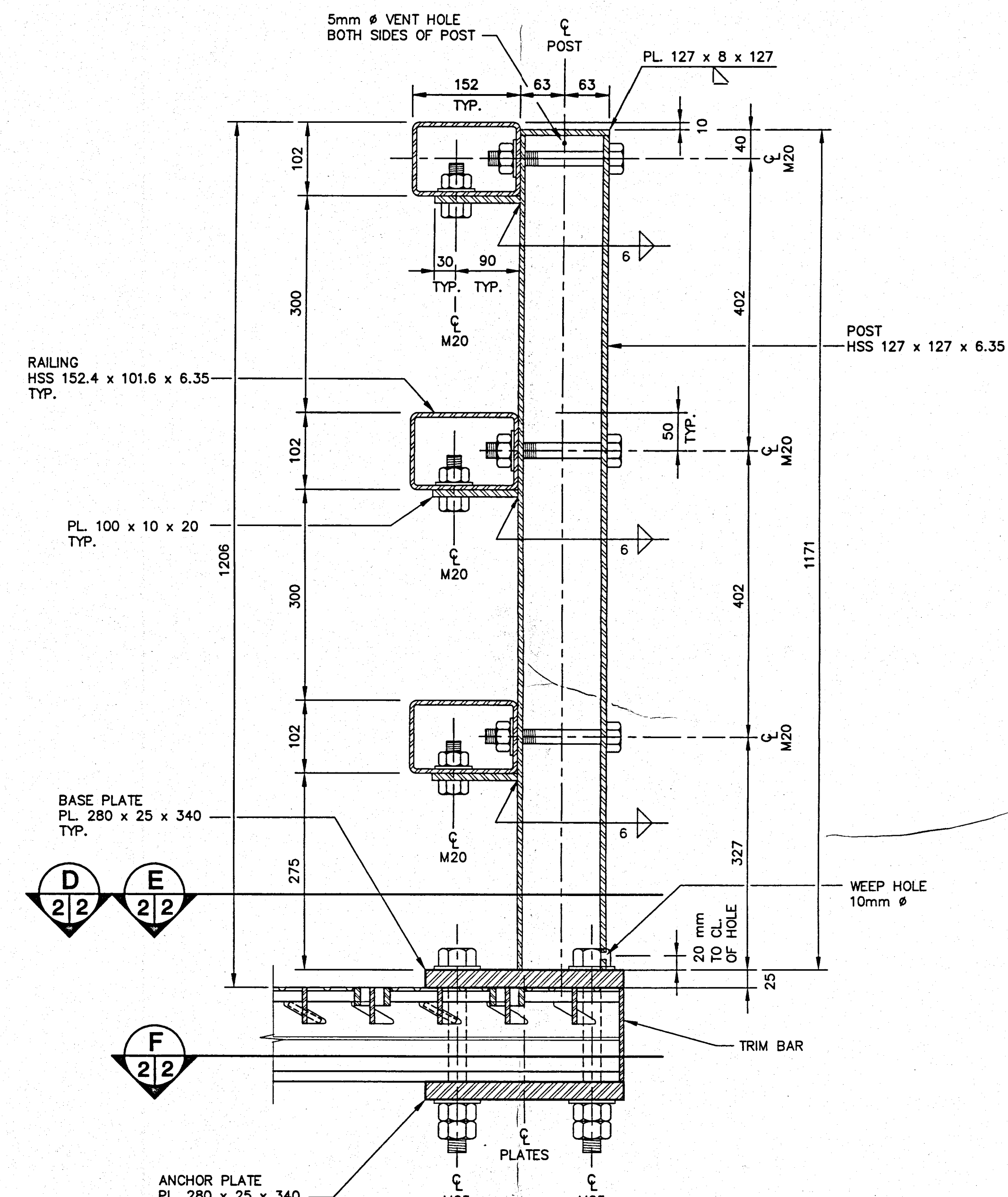
POST AND BASE PLATE SECTION

SCALE 1:5 **E** 2/2



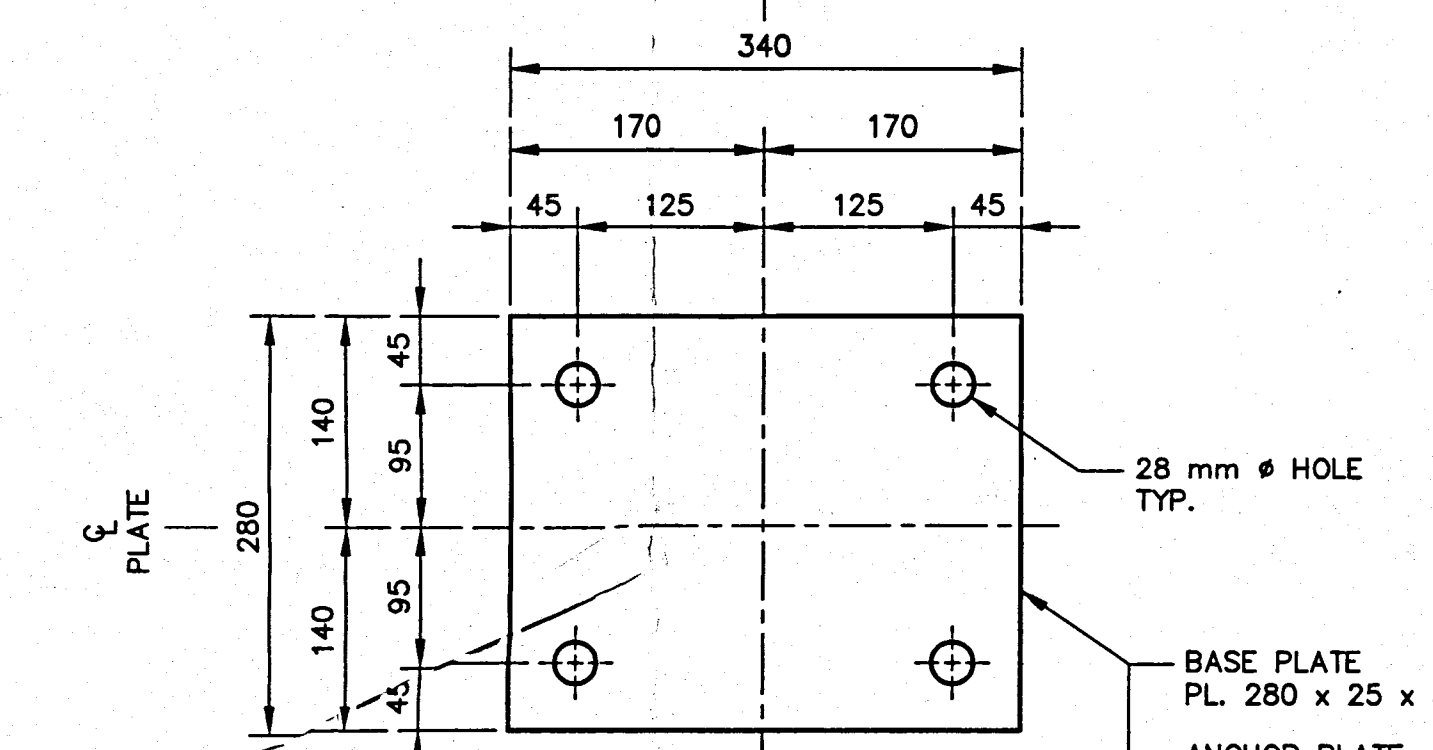
ELEVATION 1

SCALE 1:5 **2/2**



SECTION A

SCALE 1:5 **2/2**

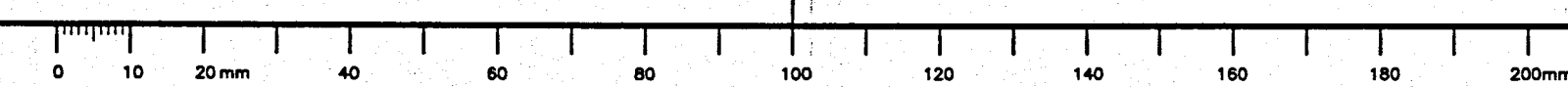


ANCHOR PLATE DETAIL

SCALE 1:5 **F** 2/2

NOTES:

- FOR GENERAL NOTES SEE DWG. NO. 1
- SCALE AS NOTED.
- INSTALL RAIL POSTS PERPENDICULAR TO HIGHWAY GRADE. ERECT RAILING TO LINE AND GRADE INDICATED. DO NOT FOLLOW UNEVENNESS IN SUPERSTRUCTURE. ALIGN AND ADJUST RAILING PRIOR TO FIXING IN PLACE TO ENSURE MATCHING OF JOINTS, CORRECT ALIGNMENT AND CAMBER THROUGHOUT ENTIRE LENGTH.
- H.S.S. : TO CSA G40.21, GRADE 350W. TO BE GALVANIZED.
- PLATES: TO CSA G40.21, GRADE 300 W. TO BE GALVANIZED.
- BOLTS: TO ASTM A 325, TYPE '1'. TO BE GALVANIZED.
- HOT-DIP GALVANIZING: TO CSA G164, MINIMUM THICKNESS 90 μm AFTER FABRICATION.
- POST SPACING: MAY VARY TO ENSURE FIT OF POST ANCHORAGE.



PLOT SCALE 1:1

PW50C B1

National Centre of Expertise / Centre d'expertise nationale

National Center of Expertise Architectural and Engineering Services / Centre d'expertise nationale Services d'architecture et génie Direction générale des services immobiliers

TRUE COPY OF PLAN EXHIBITED FOR TENDER REGIONAL MANAGER'S REAL PROPERTY CONTRACTING Office Project

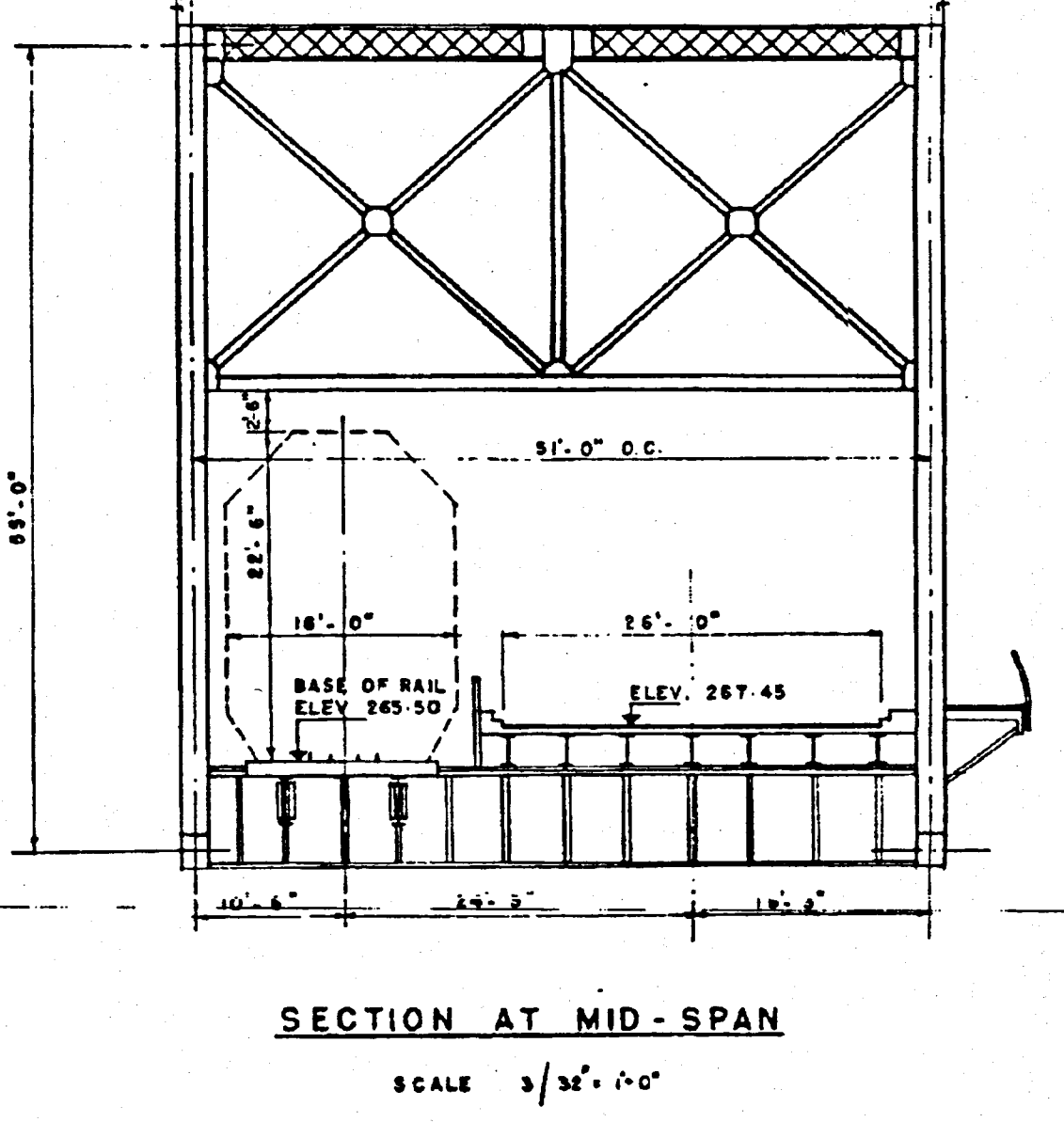
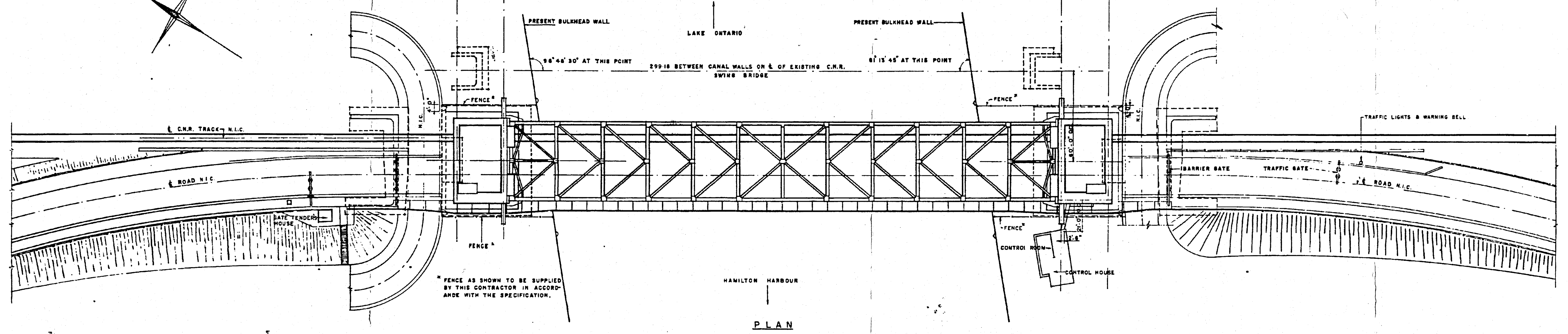
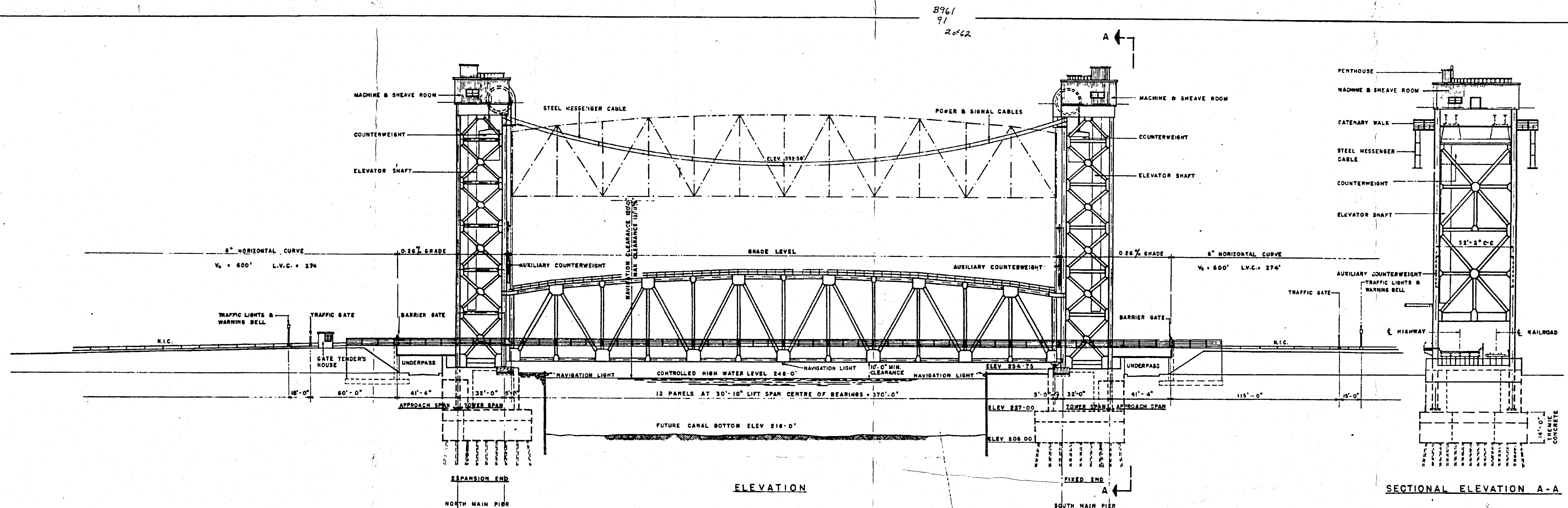


revisions	date
A	
C	
A	
BC	

BURLINGTON CANAL LIFT BRIDGE

REFERENCE DRAWING

designed	R.H. PION	conçu
drawn	G.E. ROBERTS	dessiné
date	99-10-29	
reviewed	R.H. PION	examiné
date		
approved		approuvé
date		
Tender	ENN LEESTI	Soumission
Project Manager	Administrateur de projets	
project no.	104365	no. du projet
drawing no.	3 / 3	no. du dessin



- GENERAL NOTES**
- SPECIFICATIONS
THE FOLLOWING SPECIFICATIONS GOVERNING DESIGN AND WORKMANSHIP ARE TO BE ADHERED TO
FOR ALL MOVABLE PARTS AND STRUCTURAL PARTS WHICH SUPPORT MOVABLE PARTS - ARE A PART 2 1956 - SPECIFICATIONS FOR MOVABLE RAILWAY BRIDGES.
FOR ALL OTHER STRUCTURAL PARTS - CSA-S1-1950 SPECIFICATIONS FOR STEEL RAILWAY BRIDGES AND CSA-S6-1952, SPECIFICATIONS FOR STEEL HIGHWAY BRIDGES
 - LIVE LOADS
RAILWAY-COOPERS E-60
HIGHWAY-H20-S16
 - IMPACT
HIGHWAY-CSA-S6-1952
RAILWAY-CSA-S1-1950
TOWER AREA SPECIFICATION FOR MOVABLE RAILWAY BRIDGES-1955
 - WIND
AREA SPECIFICATION FOR MOVABLE RAILWAY BRIDGES-1956
 - TEMPERATURE
NORMAL + 60°F
RANGE - 30°F TO + 120°F

- 6 BENCH MARK**
GEODETIC BM NO. MCCCXXVII ELEV. 252.74, BASCULE BRIDGE OVER BURLINGTON CANAL ON BEACH BOULEVARD 1 1/2 MILES SOUTH OF BRANT INN, EAST FACE OF SOUTH CONCRETE ABUTMENT 1 FOOT FROM NORTH FACE AND 3 FEET ABOVE TOP OF RETAINING WALL ALONG CANAL BANK, BOLT SET HORIZONTALLY
- 7 FOR MATERIALS REFER TO THE VARIOUS DIVISIONS OF CONTRACT SPECIFICATIONS.**

NO. REVISIONS BY DATE			
DEPARTMENT OF PUBLIC WORKS CANADA			
DEVELOPMENT ENGINEERING BRANCH STRUCTURES DIVISION			
C-C PARKER & ASSOCIATES LTD CONSULTING ENGINEERS HAMILTON ONTARIO			
BURLINGTON CANAL LIFT BRIDGE			
GENERAL PLAN AND ELEVATIONS			
APPROVED	DATE 12/11/77	DEPARTMENT PROJECT NO	
<i>[Signature]</i>		SD6-4-77	
CHIEF STRUCTURES DIVISION			
APPROVED	DATE 10/11/78	CONTRACT NO 2	
<i>[Signature]</i>			
CHIEF ENGINEER		SHEET 2 NO. 62	

RECOMMENDED	DATE 12-11-78	DESIGN	CHKD
<i>[Signature]</i>		DRAWN	J.B. CHKD O.L.
		TRACED	J.N.W. CHKD O.L.
		JOB NO.	H-538

PLOT SCALE 1:1

SCALE - PLAN & ELEVATIONS : 1/30" = 1'-0"
N.I.C. NOT IN CONTRACT