

REPÈRE D'ARPENTAGE

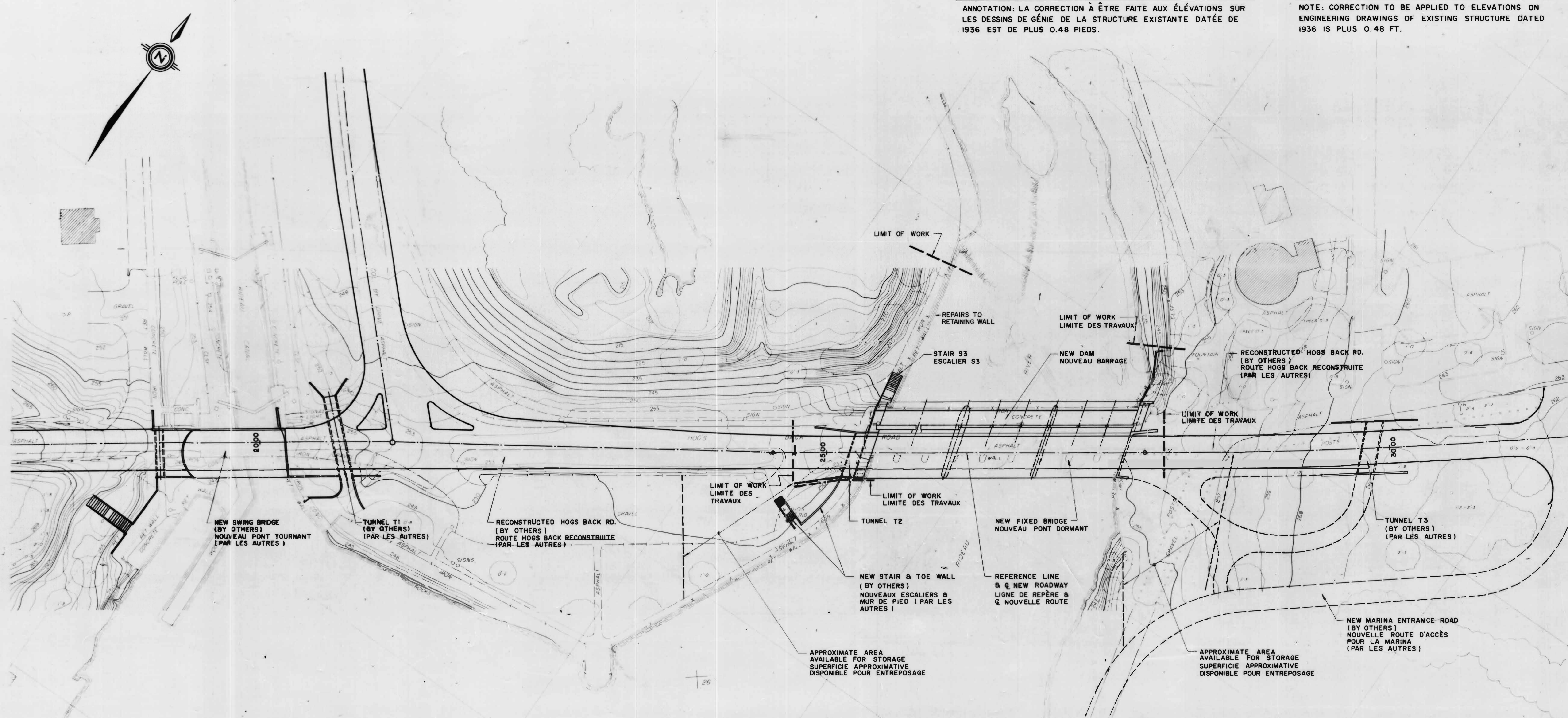
ÉCLUSES HOGS BACK SUR RIVIÈRE RIDEAU. ENTABLEMENT DANS LA FAÇADE NORD DE LA CULÉE EN PIERRES DE L'ÉCLUSE CENTRALE, DEUXIÈME ASSISE DE PIERRES DU MUR EST DU CANAL. NO.547-G ÉLÉVATION 250.055 ('66)

ANNOTATION: LA CORRECTION À ÊTRE FAITE AUX ÉLÉVATIONS SUR LES DESSINS DE GÉNIE DE LA STRUCTURE EXISTANTE DATÉE DE 1936 EST DE PLUS 0.48 PIEDS.

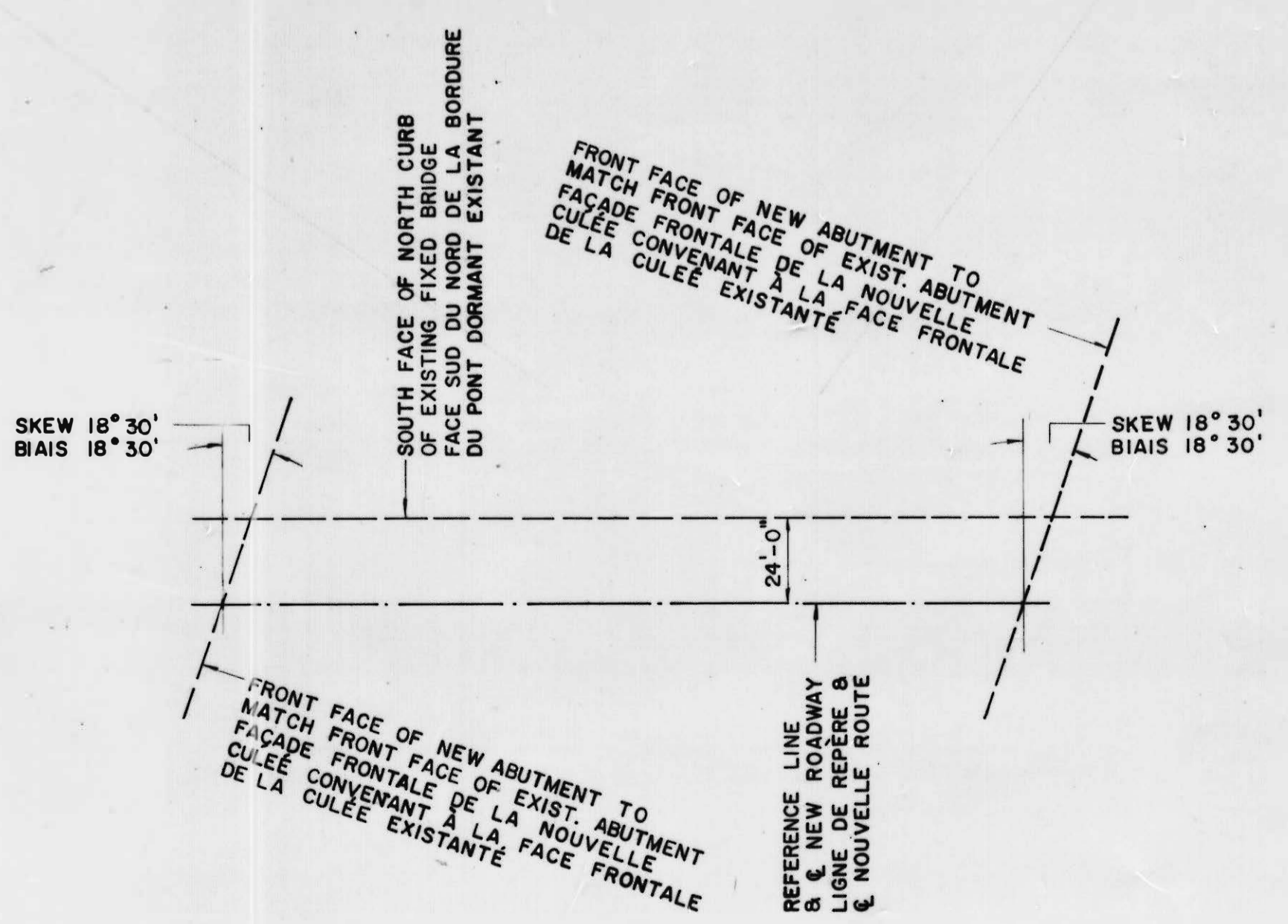
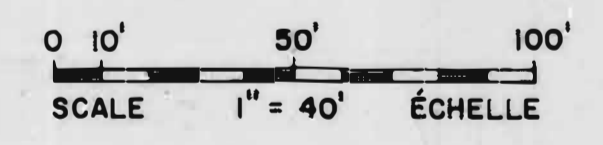
BENCH MARK

HOGS BACK LOCKS ON RIDEAU RIVER. TABLET IN NORTH FACE OF STONE ABUTMENT OF MIDDLE LOCK, SECOND COURSE OF STONE ABOVE EASTERLY WALL CANAL. NO. 574-G. ELEVATION 250.055 ('66)

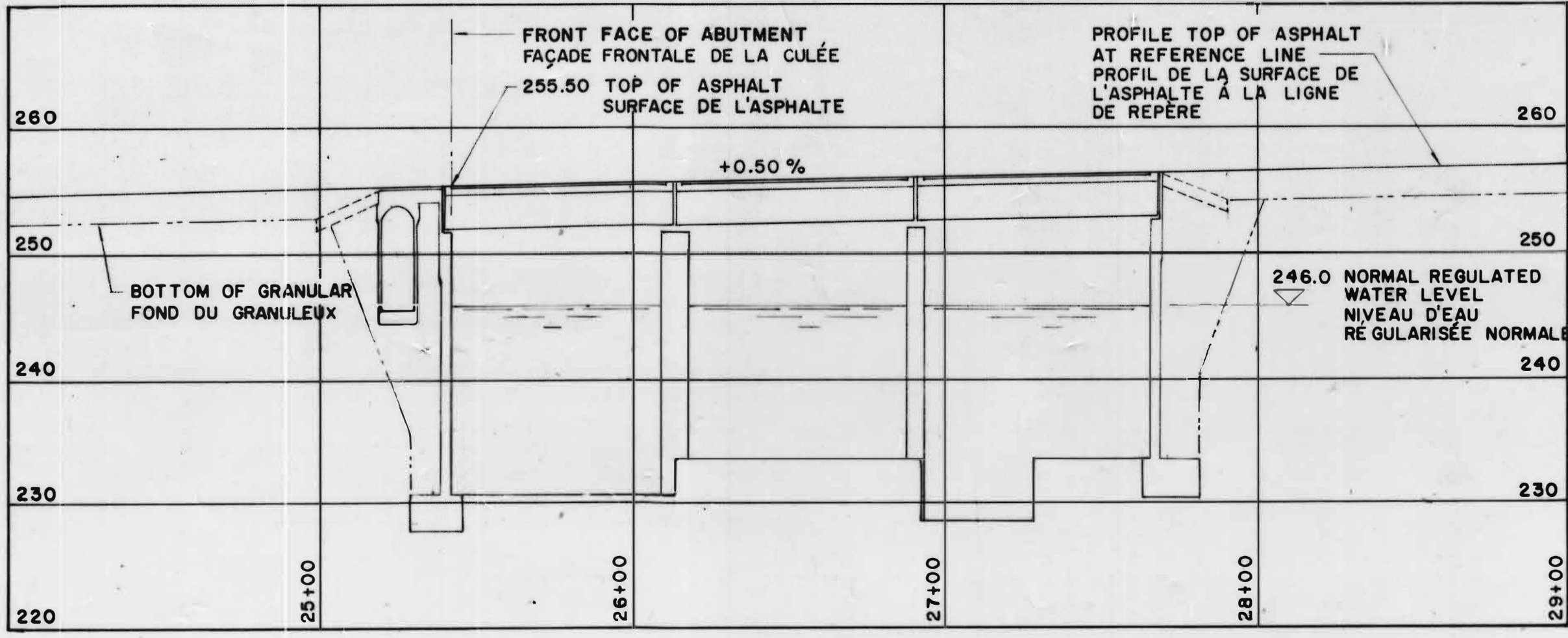
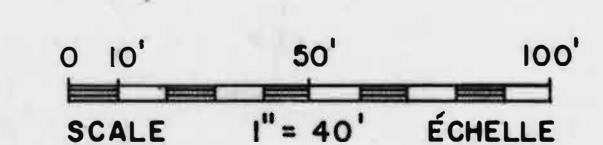
NOTE: CORRECTION TO BE APPLIED TO ELEVATIONS ON ENGINEERING DRAWINGS OF EXISTING STRUCTURE DATED 1936 IS PLUS 0.48 FT.



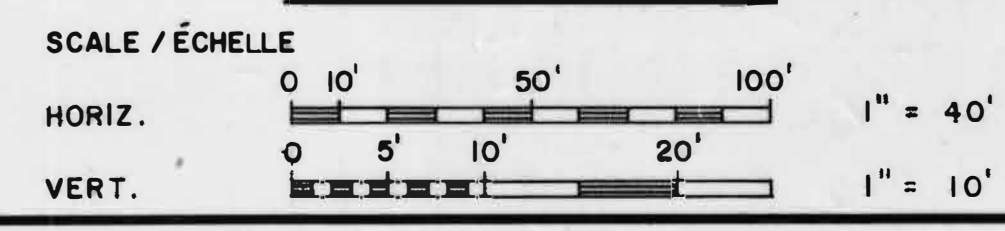
PLAN



**TRACÉ DU PONT DORMANT ET DU BARRAGE
LAYOUT OF FIXED BRIDGE AND DAM**



PROFILE / PROFIL



NOTES

- FOR GENERAL NOTES SEE DRAWING 2.
- REFERENCE DRAWINGS ARE:
 - a. HOGS BACK SWING BRIDGE DRAWINGS 5251-1 TO -28 INCL.
 - b. HOGS BACK ROAD DRAWINGS 5252-1 TO -38 INCL.

ANNOTATIONS

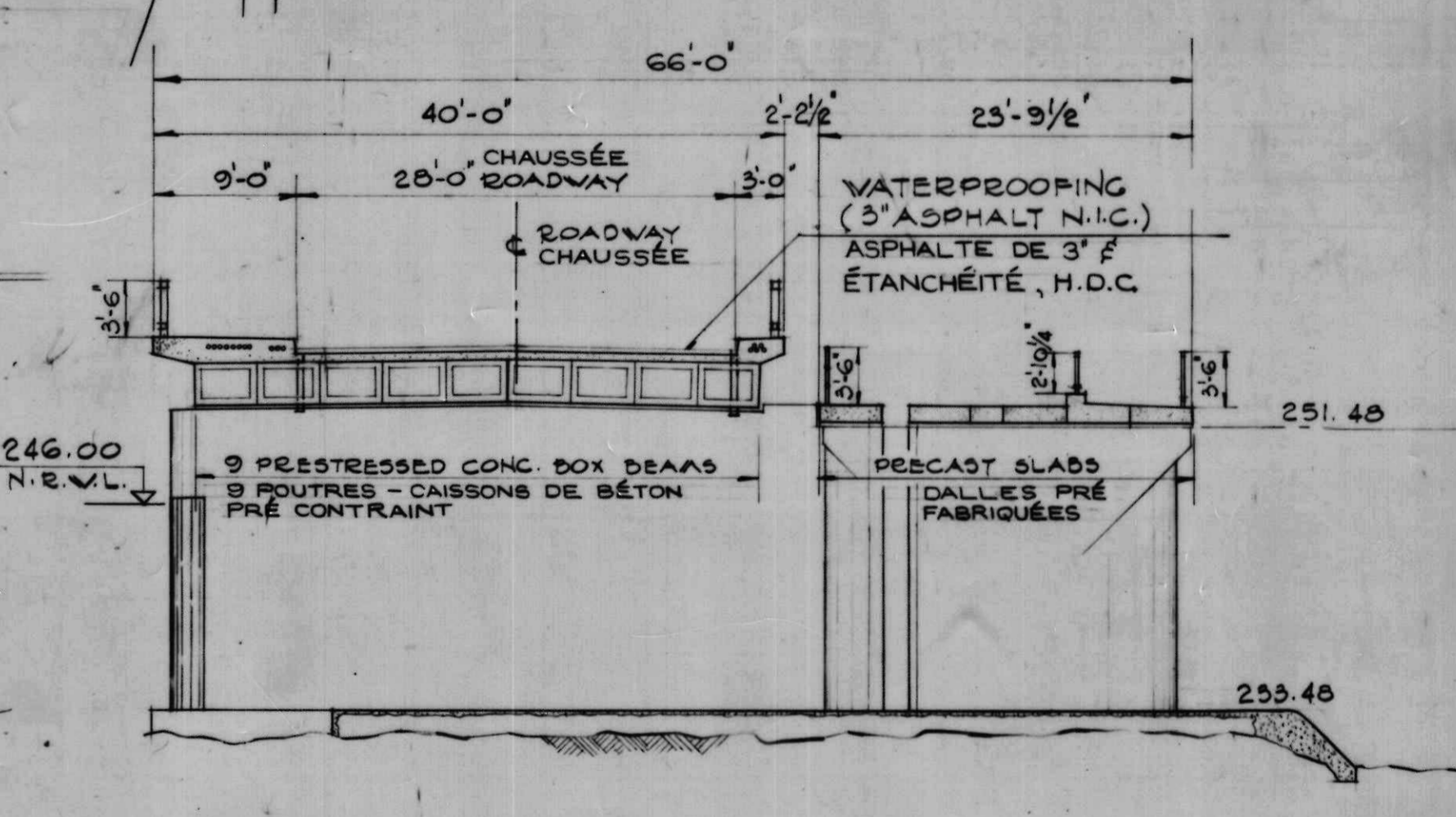
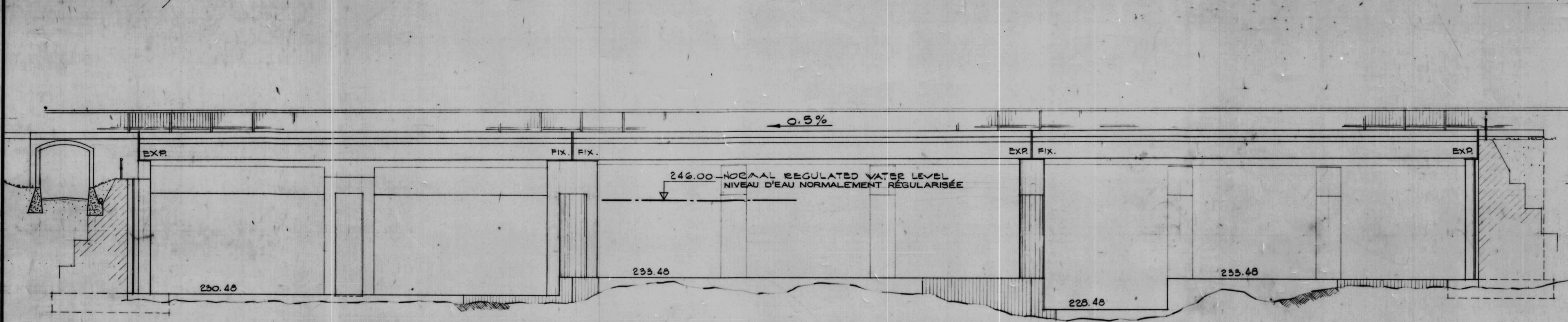
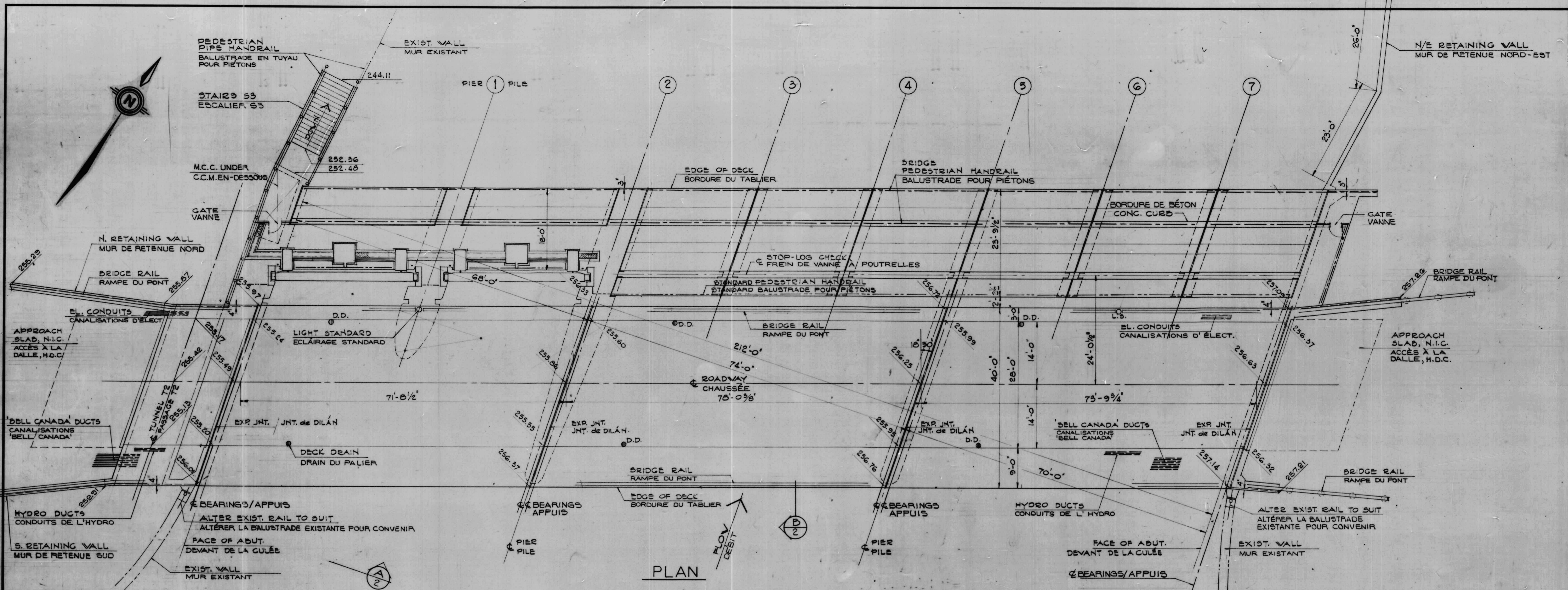
- SE RÉFÉRER AU DESSIN 2 POUR LES ANNOTATIONS GÉNÉRALES.
- LES DESSINS DE REPÈRE SONT:
 - a. LES DESSINS DU PONT TOURNANT HOGS BACK 5251-1 À -28 INCL.
 - b. LES DESSINS DE LA ROUTE HOGS BACK 5252-1 À -38 INCL.

A detail no.	détail no.
B location dwg. no.	sur dessin no.
C drawing no.	dessin no.
drawn by / tracé par	scale / échelle
H.L.K.	AS NOTED / NOTÉE
designed by / établi par	
J.D.T.	
checked by / vérifié par	
D.C.C.	

job captain / chef du projet	date
J.R.	JUNE 30 JUN, 1976
responsible officer / officier responsable	date
H.G.	JUNE 30 JUN, 1976

project title / titre du projet	
Rideau Canal Hogs Back Dam and Fixed Bridge	
Canal Rideau Barrage et Pont Fixe Hogs Back	
drawing title / titre du dessin	
SITE PLAN TRACÉ GÉNÉRAL	

reference no. n.o. de référence	dwg. no. dessin no.
10-738	1

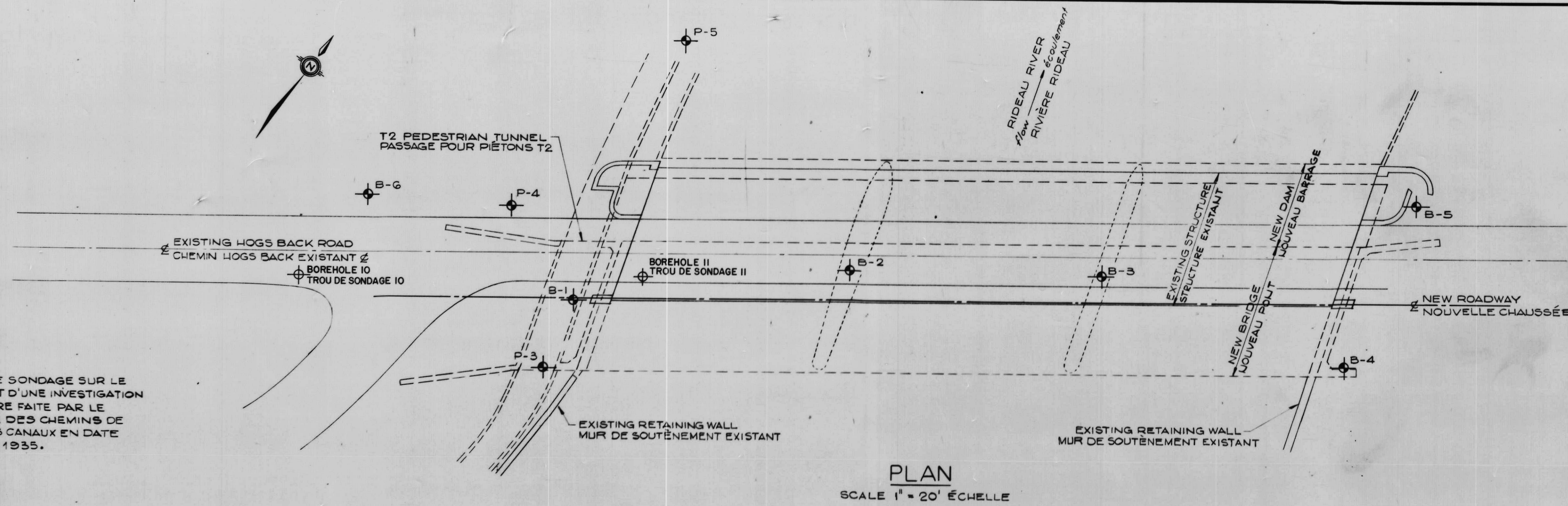


- NOTES GÉNÉRALES**
- LE DESIGN DES STRUCTURES DU PONT ET DU PASSAGE, SERA SELON LES NORMES DE LA C.S.A., STANDARD S-61974, LE DESIGN DES PONTS DE ROUTE.
 - LE DESIGN DE LA CHARGE DYNAMIQUE POUR LE PONT ET LE PASSAGE HS20-44.
 - SE RÉFÉRER AU DESSIN 5 POUR LES NOTES DE LA FONDATION.
 - SE RÉFÉRER AU DESSIN 22 POUR LES NOTES SUR LE BÉTON PRÉCONTRAIT.
 - COULÉE EN PLACE DU BÉTON:
 - a) PREMIÈRE COULÉE DU BÉTON
FORCE DE COMPRESSION MINIMUM AU 28 JOURS - 4000 AU POUCE CARRÉ
AFFAISSEMENT MAXIMUM - 3 POUCE
COEFFICIENT DE CIMENT D'EAU MAXIMUM - 0.44
CONTENU DE CIMENT MINIMUM - 570 LBS. PAR VERGE CUBIQUE
ENTRAÎNEMENT D'AIR - 6%
AGRÉGAT GROSSIER (MAXIMUM NOMINAL) - 3/4 POUCE
 - b) SECONDE COULÉE DU BÉTON ET REMBLAI DE BÉTON NON-RÉTRECÉISSANT
STANDARD "IN-PAKT" (C.C. CHEMICAL LTD.) - 900 LBS.
SABLE DE BÉTON (SSD) - 1268 LBS.
GRAVIER (3/4 POUCE EN-DEHORS À 1/4 POUCE EN-DEDANS) - 1268 LBS.
EAU (MAXIMUM) - 430 LBS.

- GENERAL NOTES**
- DESIGN OF BRIDGE AND TUNNEL STRUCTURES ACCORDING TO C.S.A. STANDARD S6-1974, DESIGN OF HIGHWAY BRIDGES.
 - DESIGN LIVE LOAD FOR BRIDGE AND TUNNEL HS20-44.
 - FOR FOUNDATION NOTES SEE DRAWING 5.
 - FOR PRESTRESSED CONCRETE NOTES SEE DRAWING 22.
 - CAST IN PLACE CONCRETE:
 - a) FIRST POUR CONCRETE
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS - 4000 PSI
MAXIMUM SLUMP - 3 INCHES
MAXIMUM WATER CEMENT RATIO - 0.44
MINIMUM CEMENT CONTENT - 570 LBS. PER CUBIC YARD
AIR ENTRAINMENT - 6%
COARSE AGGREGATE (NOMINAL MAXIMUM) - 3/4 INCH
 - b) SECOND POUR CONCRETE AND NON-SHRINK CONCRETE FILL
IN-PAKT STANDARD NON-SHRINK GROUT (C.C. CHEMICAL LTD.) - 900 LBS.
CONCRETE SAND (SSD) - 1268 LBS.
GRAVEL (3/4 IN. TO 1/4 IN.) - 1268 LBS.
WATER (MAX.) - 430 LBS.
 - CLEAR COVER TO REINFORCING STEEL UNLESS NOTED:
SURFACES EXPOSED TO SOIL OR WATER - 3 INCHES
SIDEWALK AND CURB - 1 1/2 INCHES
ALL OTHER SURFACES - 2 INCHES

- REINFORCING STEEL ACCORDING TO CSA STANDARD G30.12 - 1972, GRADE 50 OR 60.
- LAP LENGTH FOR REINFORCING STEEL SPLICES TO BE 35 DIAMETERS.
- NO CONCRETE TO BE PLACED BEFORE FALSEWORK, FORMWORK AND REINFORCING STEEL HAVE BEEN CHECKED AND APPROVED BY THE ENGINEER.
- CONCRETE ABOVE BEARING SEATS TO BE PLACED AFTER PRECAST BOX BEAMS AND SLABS HAVE BEEN ERRECTED.
- EMBEDDED STEEL PLATES AND STRUCTURAL STEEL MEMBERS ACCORDING TO C.S.A. STANDARD G40.21, GRADE 44W.

A detail no.	détail no.
B location chg. no.	sur dessin no.
C drawing no.	dessin no.
drawn by / tracé par A.A.	scale / échelle AS NOTED/NOTÉE
designed by / établi par J.D.T.	
checked by / vérifié par D.C.C.	
job captain / chef du projet J.R.	date JUNE 30 JUN, 1976
responsibility officer / officier responsable H.G.	date JUNE 30 JUN, 1976
project title Rideau Canal Hogs Back Dam and Fixed Bridge	titre du projet
drawing title Canal Rideau Barrage et Pont Fixe Hogs Back	titre du dessin
GENERAL ARRANGEMENT AGENCEMENT GÉNÉRAL	
reference no. no de référence 10-738	chg no. dessin no. 2



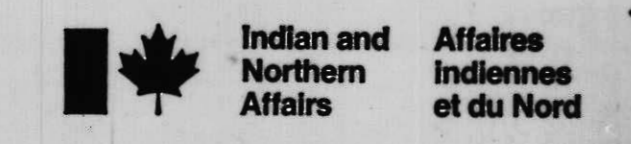
BOREHOLE FROM PREVIOUS INVESTIGATION BY DEPARTMENT OF RAILWAY AND CANALS, DATED JUNE 19, 1935.

LE TROU DE SONDAGE SUR LE PLAN VIEN D'UNE INVESTIGATION ANTÉRIÈRE FAITE PAR LE MINISTÈRE DES CHEMINS DE FER ET DES CANAUX EN DATE DU 19 JUIN 1935.

NOTES

THE COMPLETE SOILS INVESTIGATION REPORT MAY BE EXAMINED AT THE OFFICES OF THE DEPARTMENT OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT, 365 LAURIER ST., OTTAWA. DATA CONCERNING THE VARIOUS STRATA HAVE BEEN OBTAINED AT BOREHOLE LOCATIONS ONLY.

INFORMATION SHOWN OBTAINED FROM REPORT NO. 752156-2 GOLDBER ASSOCIATES, DATED MARCH, 1976.



NOTES

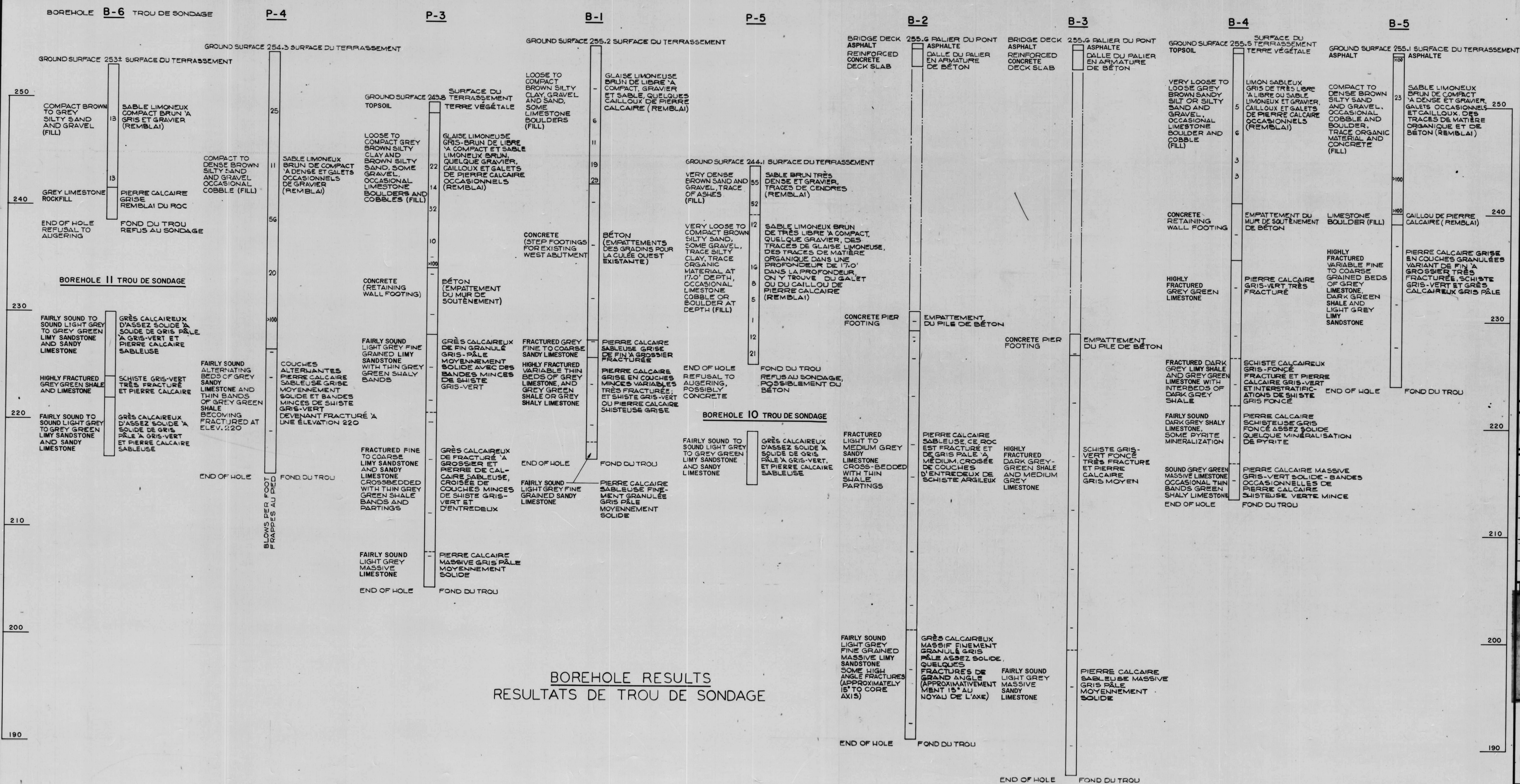
LE RAPPORT COMPLET DE L'INVESTIGATION DES SOLS PEUT ÊTRE EXAMINÉ AUX BUREAUX DU MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD SITUÉ À 365 RUE LAURIER, OTTAWA.

LES DONNÉES CONCERNANT LES DIFFÉRENTES COUCHES GÉOLOGIQUES ONT ÉTÉ OBTENUES AUX EMPLACEMENTS DESTROUS DE SONDAGE, SELLEMENT.

LA STRATIGRAPHIE DU SOL ENTRE LES TROUS DE SONDAGE A ÉTÉ ÉTABLIE À PARTIR DE L'ÉVIDENCE GÉOLOGIQUE, DE SORTE QU'ELLE PEUT VARIER DE CELLE PRÉSENTÉE ICI.

POUR CE QUI EST DE LA STRATIGRAPHIE DÉTAILLÉE À L'EMPLACEMENT DE CHAQUE TROU DE SONDAGE, PRIÈRE DE SE RÉFÉRER AU RECORD DES FEUILLES DES TROUS DE SONDAGE DANS LE RAPPORT NO. 752156-2 DE GOLDBER ASSOCIATES, DATÉ DE MARS 1976.

AS BUILT, FROM FIELD RECORDS
DEC. 29, 1977



A	A detail no.	détail no.
B	B location dwg. no.	sur dessin no.
C	C drawing no.	dessin no.
drawn by / tracé par G.S.N.		scale / échelle
designed by / établi par ADAPTED		
checked by / vérifié par J.D.T.		
job captain / chef du projet J.R.		date JUNE 30 JUN, 1976
responsible officer / officier responsable H.G.		date JUNE 30 JUN, 1976

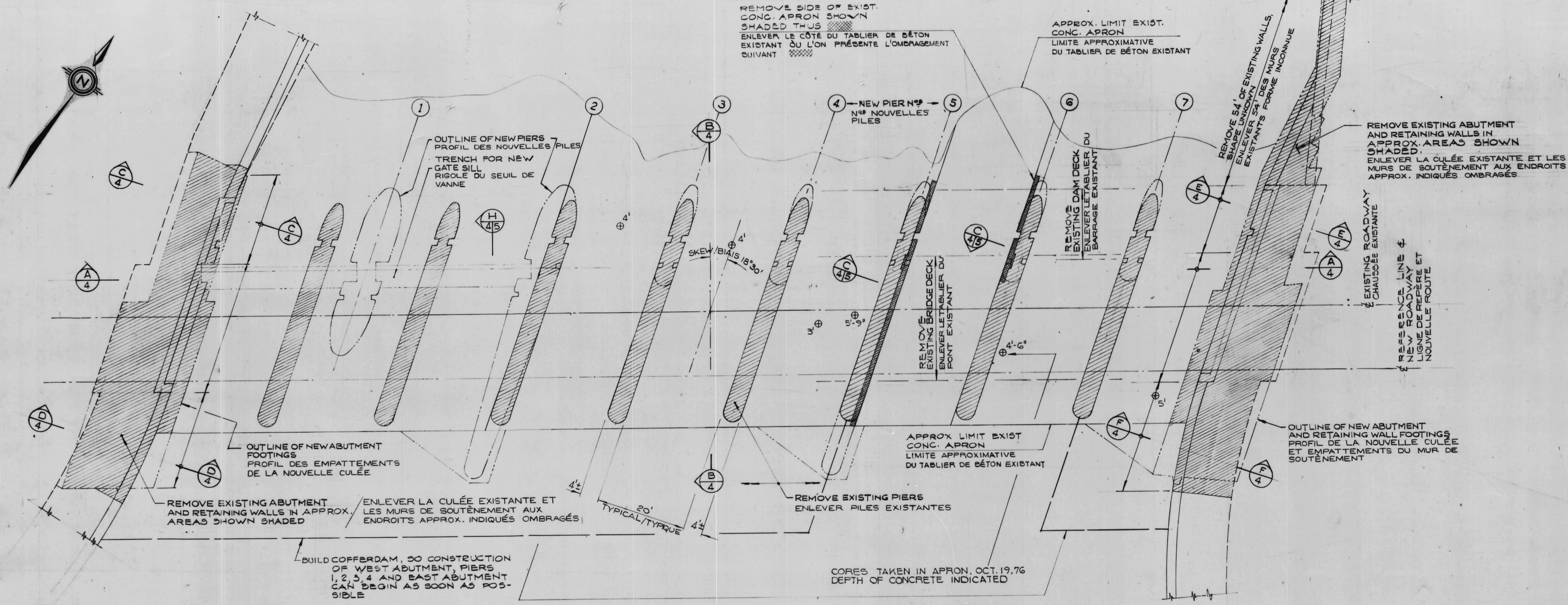
**Rideau Canal
Hogs Back Dam
and Fixed Bridge**

**Canal Rideau
Barrage et Pont Fixe
Hogs Back**

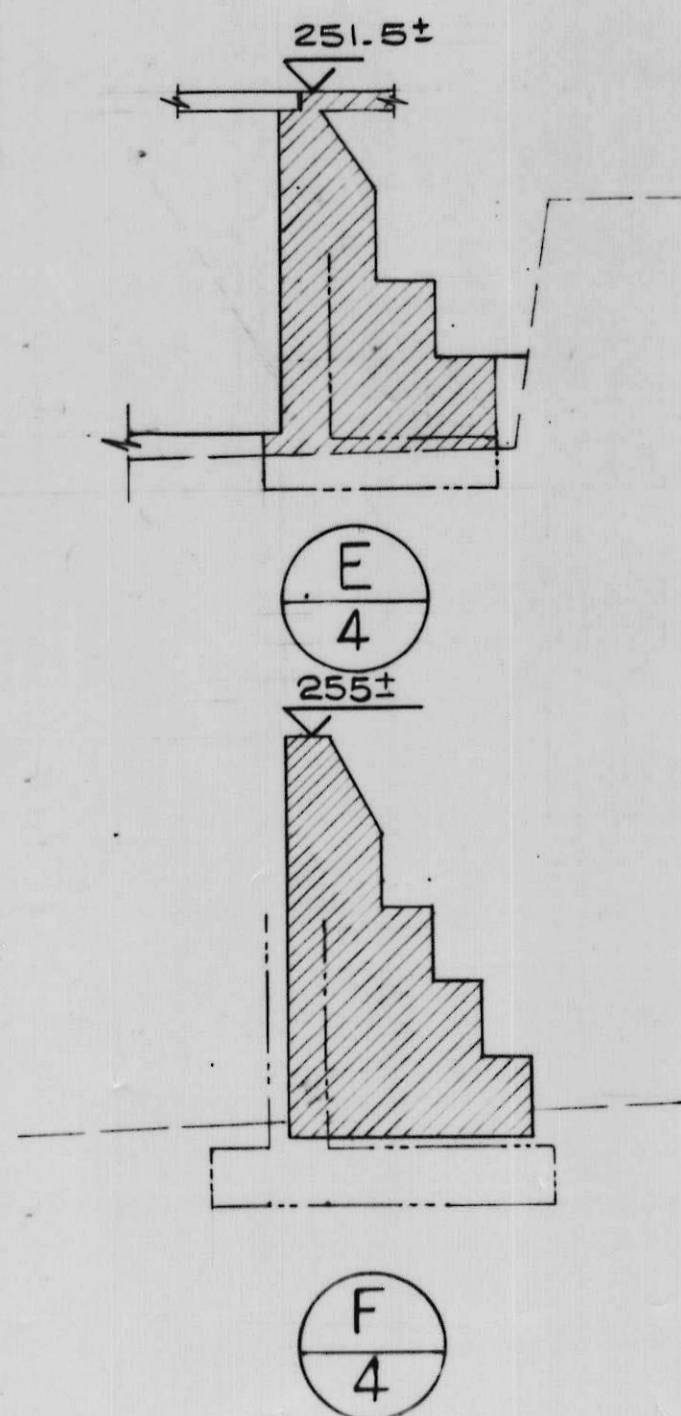
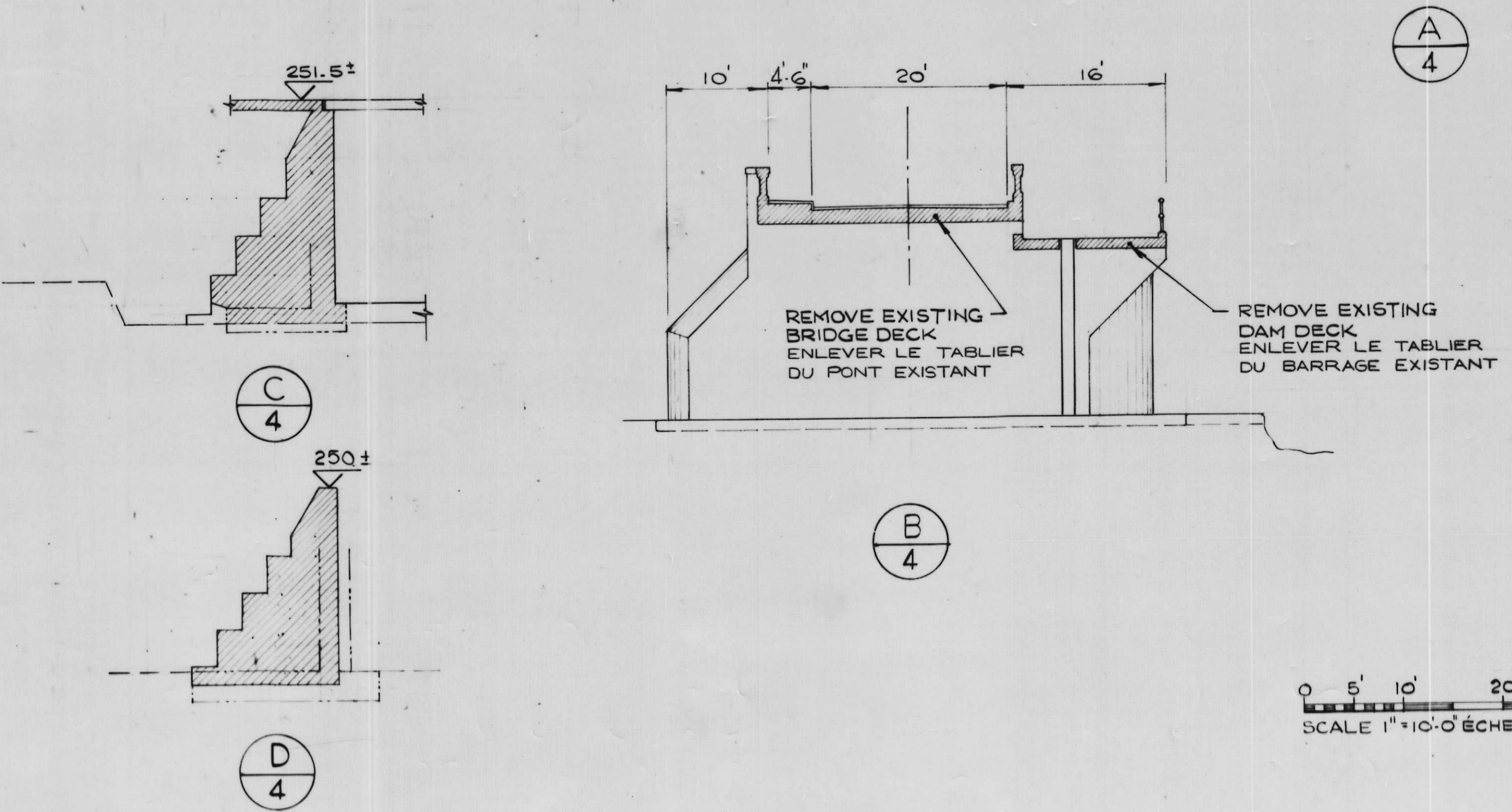
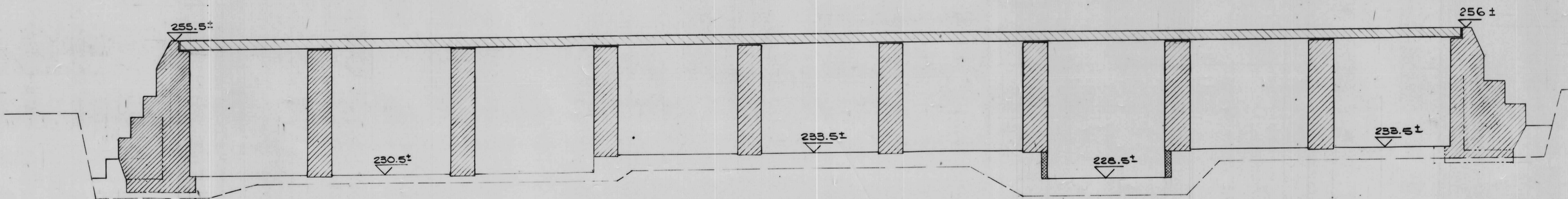
drawing title / titre du dessin
**TEST BORING LOCATIONS
AND LOGS**
EMPLACEMENTS DE
SONDAGE ET GRUMES

reference no. / no de référence
10-738

dwg no. / dessin no.
3



PLAN



NOTES
DRAWINGS OF THE EXISTING STRUCTURE ARE AVAILABLE FOR EXAMINATION AT THE OFFICE OF THE DEPARTMENT, 365 LAURIER ST., OTTAWA.

NOTES.
LES DESSINS DE LA STRUCTURE EXISTANTE SONT DISPONIBLES POUR ÊTRE EXAMINÉS, AU BUREAU DU MINISTÈRE À 365 RUE LAURIER, OTTAWA.

NOTES
FOR GENERAL NOTES SEE DRWG. 2.

NOTES
VOIR DESSIN 2 POUR NOTES GÉNÉRALES.



A	Detail no.	détail no.
B	Location dwg. no.	sur dessin no.
C	Drawing no.	dessin no.

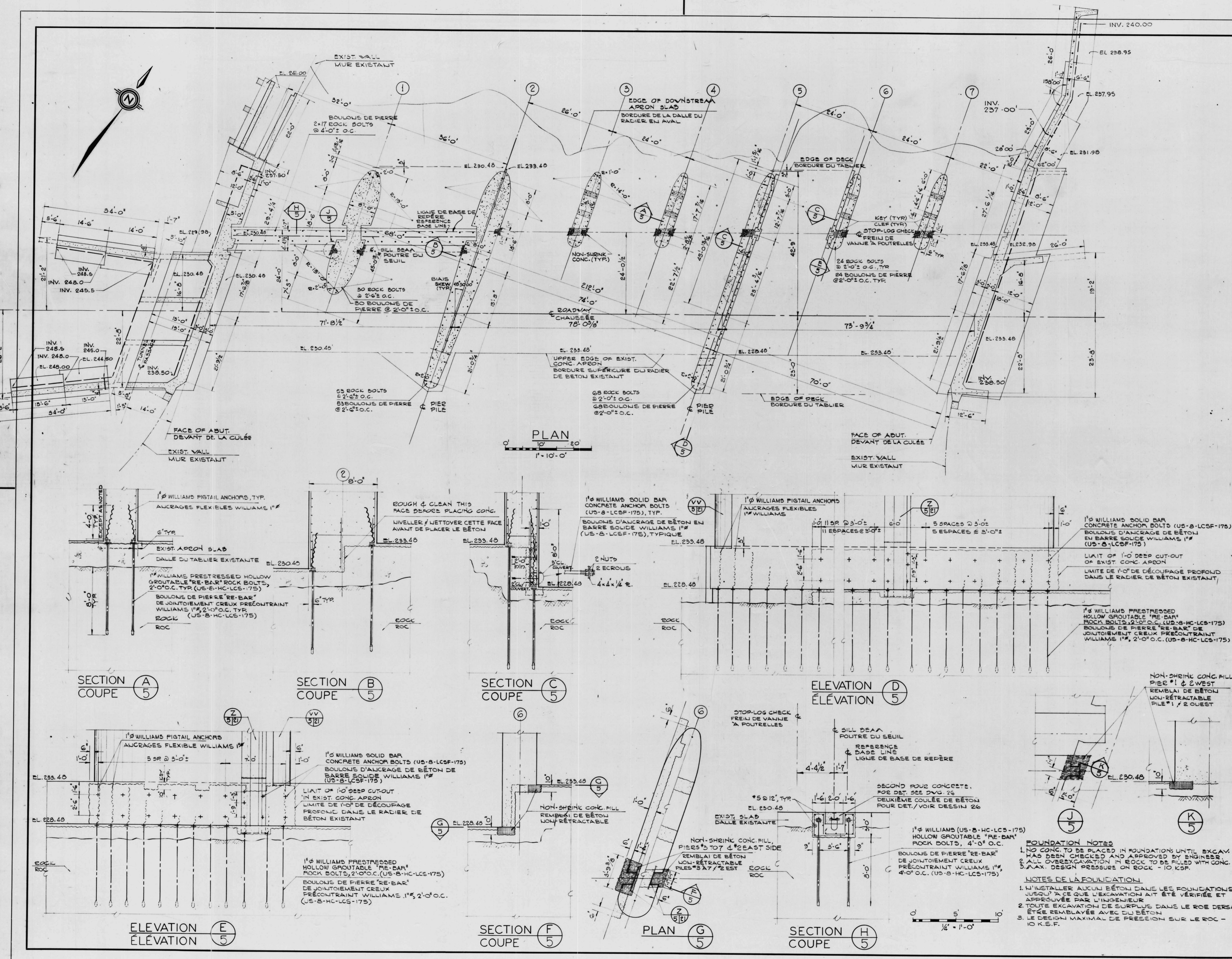
drawn by / tracé par	scale / échelle
G.R.M.	AS NOTED / NOTÉE
designed by / établi par	
J.D.T.	
checked by / vérifié par	
D.C.C.	

job captain / chef du projet	date
J.R.	JUNE 30 JUN, 1976
responsible officer / officier responsable	date
H.G.	JUNE 30 JUN, 1976

project title / titre du projet
Rideau Canal Hogs Back Dam and Fixed Bridge
Canal Rideau Barrage et Pont Fixe Hogs Back

drawing title / titre du dessin
REMOVAL OF EXISTING STRUCTURES
ENLÈVEMENT DES STRUCTURES EXISTANTES

reference no. / no de référence	dwg no. / dessin no.
10-738	4

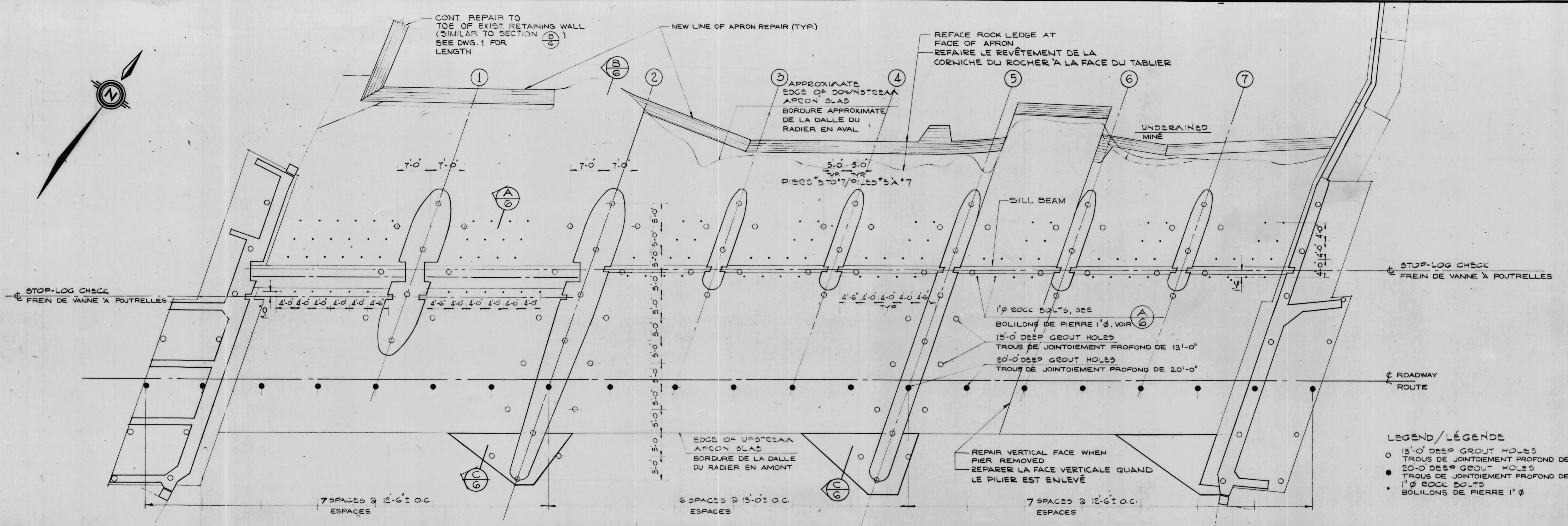
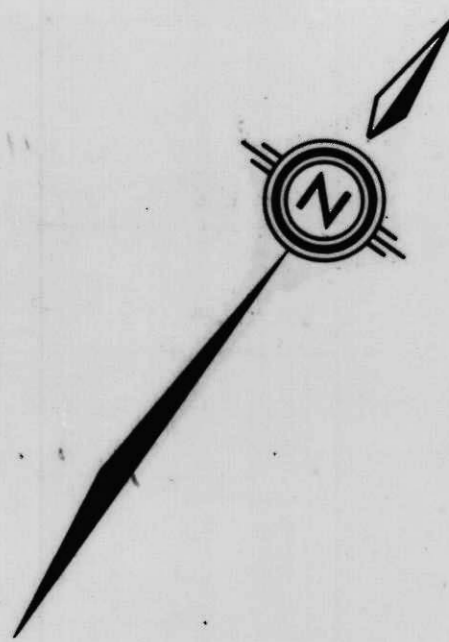


FOUNDATION NOTES

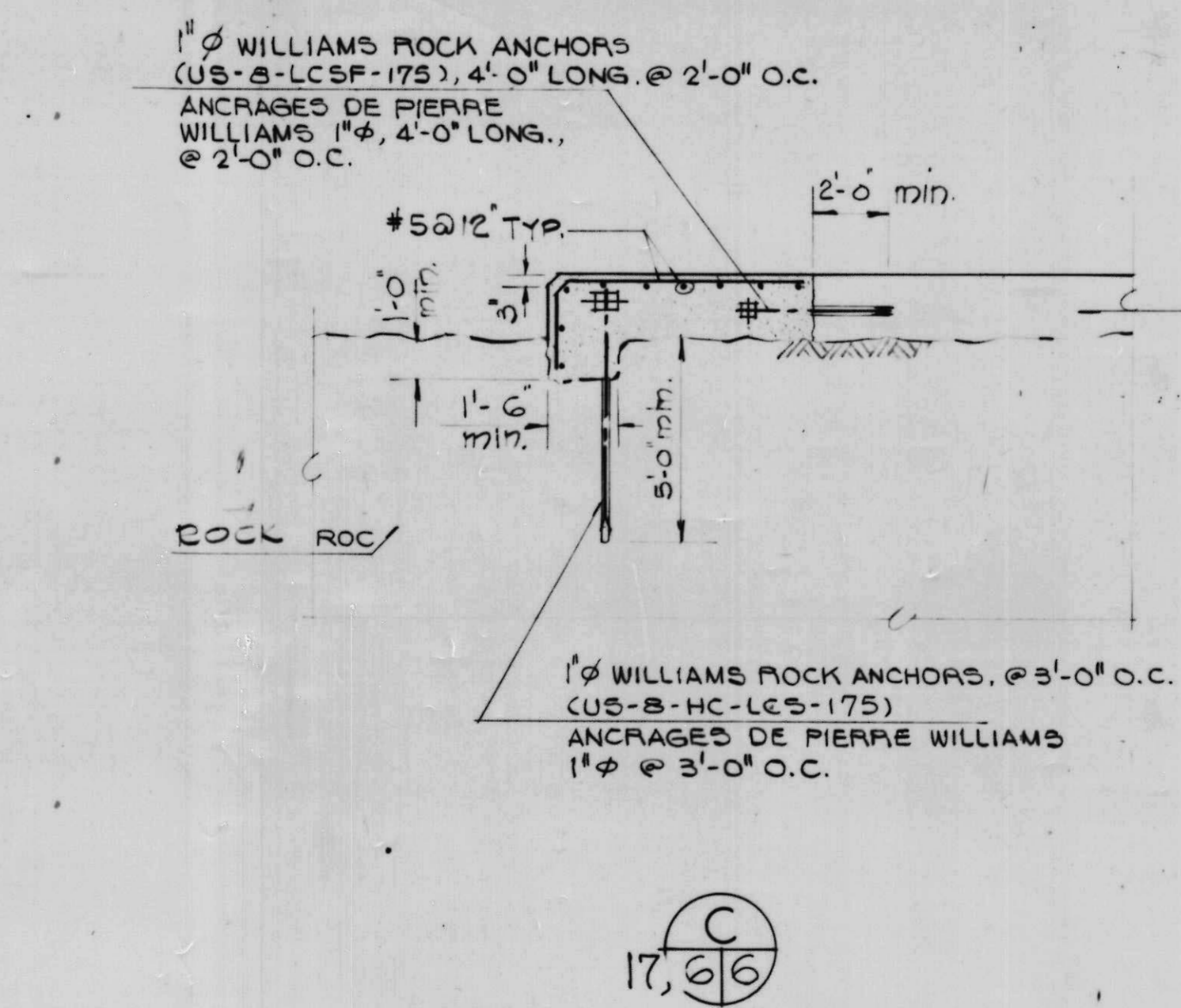
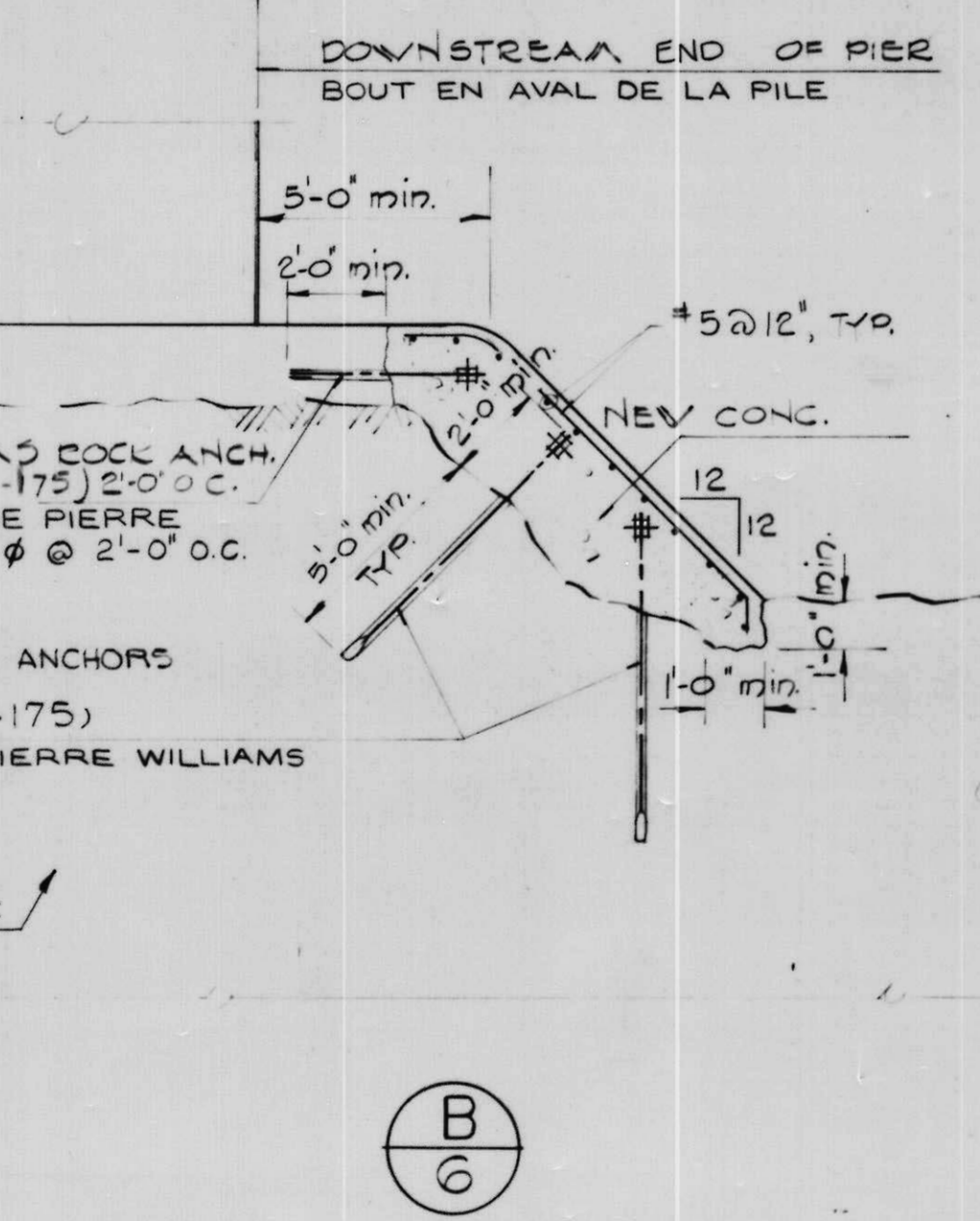
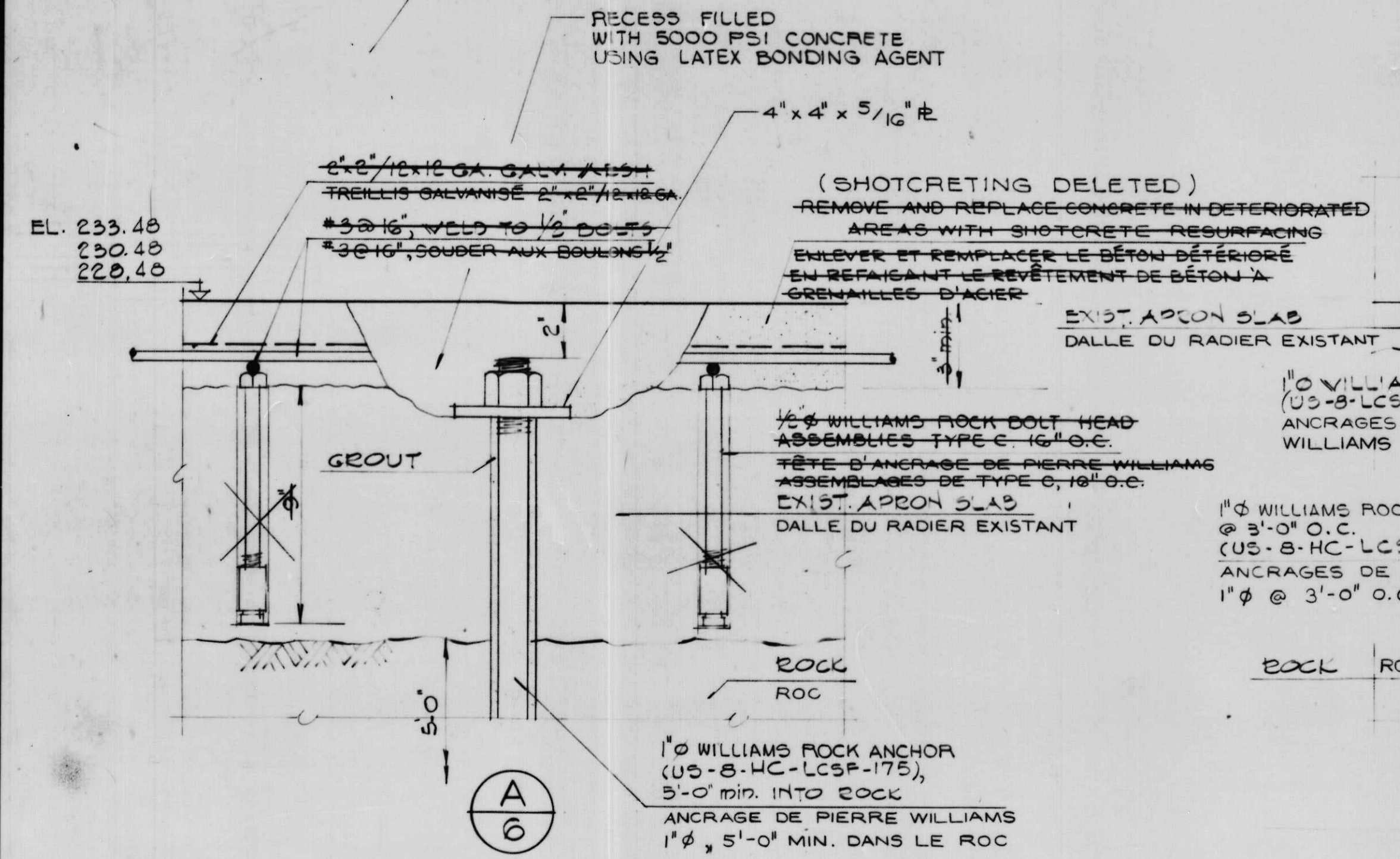
- NO CONC. TO BE PLACED IN FOUNDATIONS UNTIL EXCAV. HAS BEEN CHECKED AND APPROVED BY ENGINEER.
- ALL OVEREXCAVATION IN ROCK TO BE FILLED WITH CONC.
- MAX. DESIGN PRESSURE ON ROCK - 10 KSF.

NOTES DE LA FONDATION

- N'INSTALLER AUCUN BÉTON DANS LES FONDATIONS JUSQU'À CE QUE L'EXCAVATION AIT ÉTÉ VÉRIFIÉE ET APPROUVÉE PAR L'INGÉNIEUR.
- TOUTE EXCAVATION DE SURPLUS DANS LE ROE DERSA ÊTRE REMBLAYÉE AVEC DU BÉTON.
- LE DESIGN MAXIMAL DE PRESSION SUR LE ROC - 10 K.S.F.



PLAN
1" = 10'-0"



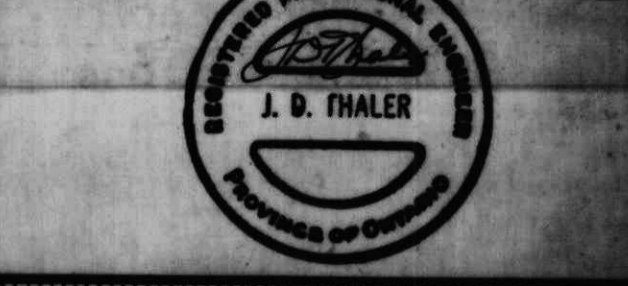
SECTION THROUGH SILL BEAM
SCALE 1" = 1'-0"

NOTE:
IN GENERAL, NO SHOTCRETING PLACED FOR REPAIR OF APRON SLAB. ROCK ANCHORS PLACED AS SHOWN ABOVE.

- RECORD OF LENGTHS OF ROCK BOLTS USED**
- APRON SLAB TO ROCK:** TYPE US-8-HC-LCS 175 (MIN. ANCHORAGE OF 5 FEET REQUIRED IN ROCK). FROM W. ABUTMENT TO PIER 4 USED 9 FT. BOLTS. FROM PIER 4 TO E. ABUTMENT USED 10 FT. BOLTS.
 - SOUTH OF SILLBEAM (SPANS 1 AND 2):** TYPE US-8-HC-LCS-175 12 NO. BOLTS 9 FT. LENGTH.
 - DOWNSTREAM APRON REPAIRS**
(A) TYPE US-8-LCSF-175 PLACED HORIZONTALLY AT 2 FT. C/C LENGTH 4 FT.
(B) TYPE US-8-LCS-158 PLACED 2 NO. AT 3 FT. C/C (MINIMUM 5 FT. ANCHORAGE IN ROCK). BOLT LENGTHS NOT LESS THAN 7 FT.
 - UPSTREAM EXTENSION TO APRON**
(A) TYPE US-8-LCSF-175 PLACED HORIZONTALLY AT 2 FT. C/C, 46 NO. LENGTH 4 FT.
(B) TYPE US-8-HC-LCS 158 AT 3 FT. C/C, 31 NO. LENGTH 8 FT.
 - PIERS TO ROCK:** TYPE US-8-HC-LCS 175
PIER 1 - LENGTH 12 FT. PIER 5E - LENGTH 12 FT.
PIER 2W - LENGTH 12 FT. PIER 6W - LENGTH 12 FT.
PIER 2E - LENGTH 13 FT. PIER 6E - LENGTH 13 FT.
PIER 3 AND 4 - LENGTH 12 FT. PIER 7 - LENGTH 13 FT.
PIER 5W - LENGTH 13 FT.
 - BENEATH SILLBEAM:** TYPE US-8-4C-LCS-175 34 NO. - LENGTH 12 FT.
 - HORIZONTAL BARS TO PIERS 5 AND 6:** (SECTION C/5 ON DWG. NO. 5) TYPE US-8-LCSF-175 - LENGTH NOT LESS THAN 2 FT.-6 IN.

NOTES
FOR GENERAL NOTES SEE DRWG. 2.

NOTES
VOIR DESSIN 2 POUR NOTES GÉNÉRALES.



AS BUILT, FROM FIELD RECORDS
DEC. 29, 1977

A detail no.	détail no.
B location dwg. no.	sur dessin no.
C drawing no.	dessin no.

drawn by / tracé par	scale / échelle
A.A.	AS NOTED/NOTÉE
designed by / établi par	
J.D.T.	
checked by / vérifié par	
D.C.C.	

job captain / chef du projet	date
J.R.	JUNE 30 JUN, 1976
responsible officer / officier responsable	date
H.G.	JUNE 30 JUN, 1976

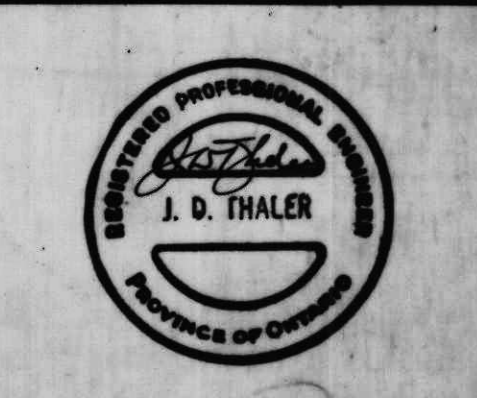
**Rideau Canal
Hogs Back Dam
and Fixed Bridge**
**Canal Rideau
Barrage et Pont Fixe
Hogs Back**

drawing title / titre du dessin

**REPAIRS TO APRON AND
GROUTING OF ROCK**
**RÉPARATIONS AU PLANCHER ET
JOINTOIEMENT DU ROC**

reference no. / no de référence
10-738

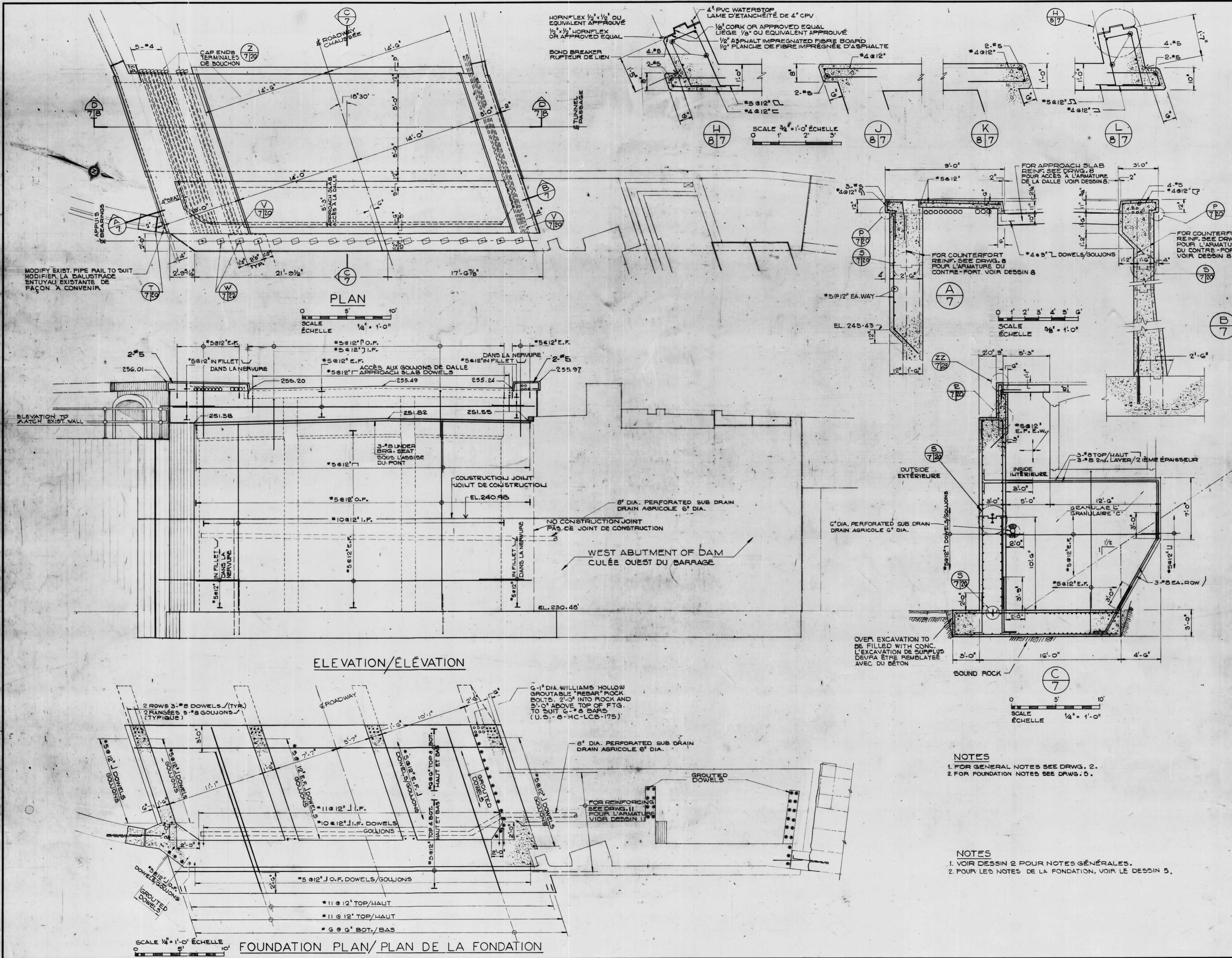
dwg no. / dessin no.
6

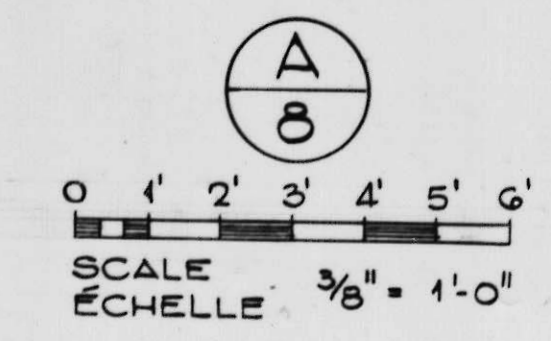
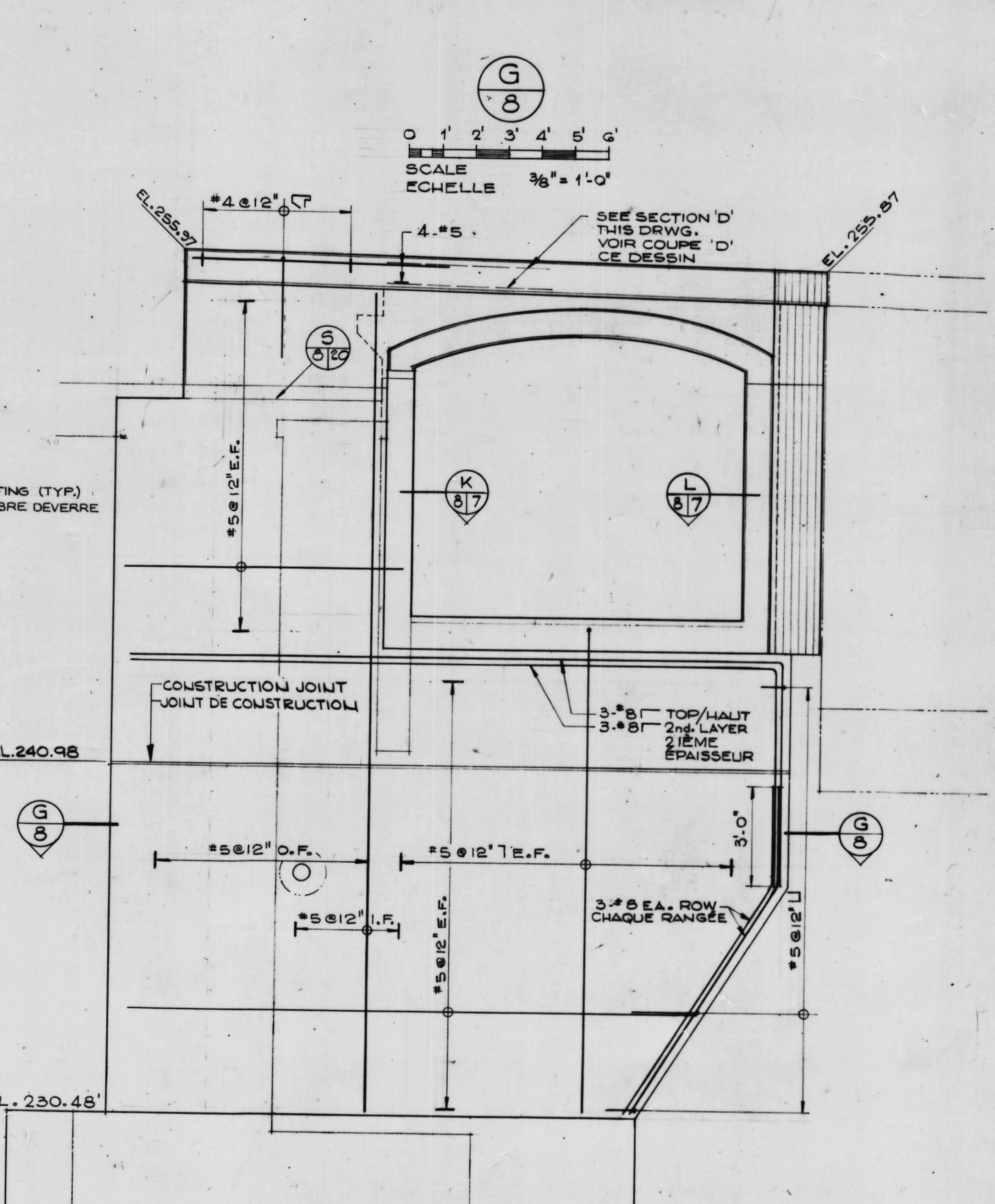
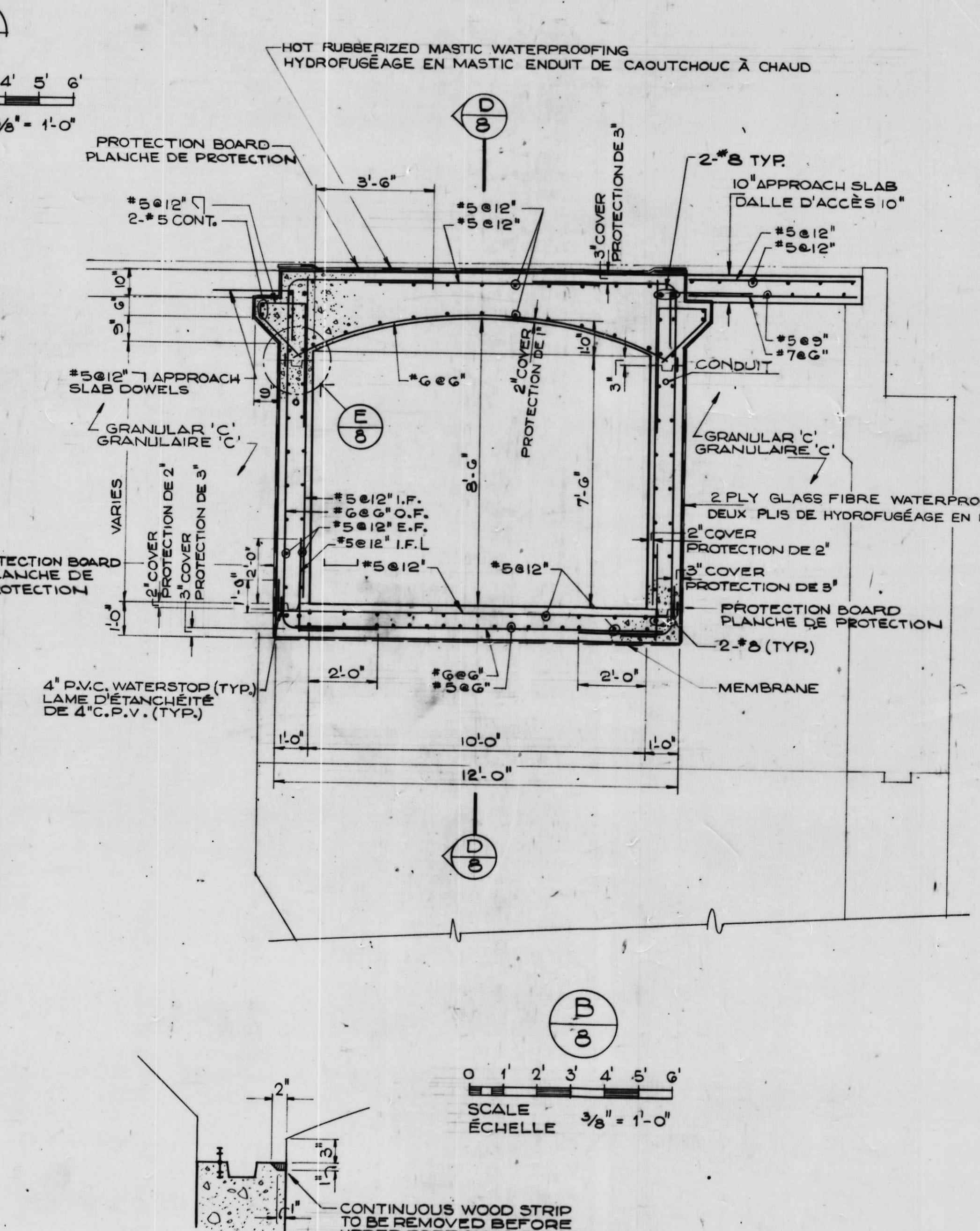
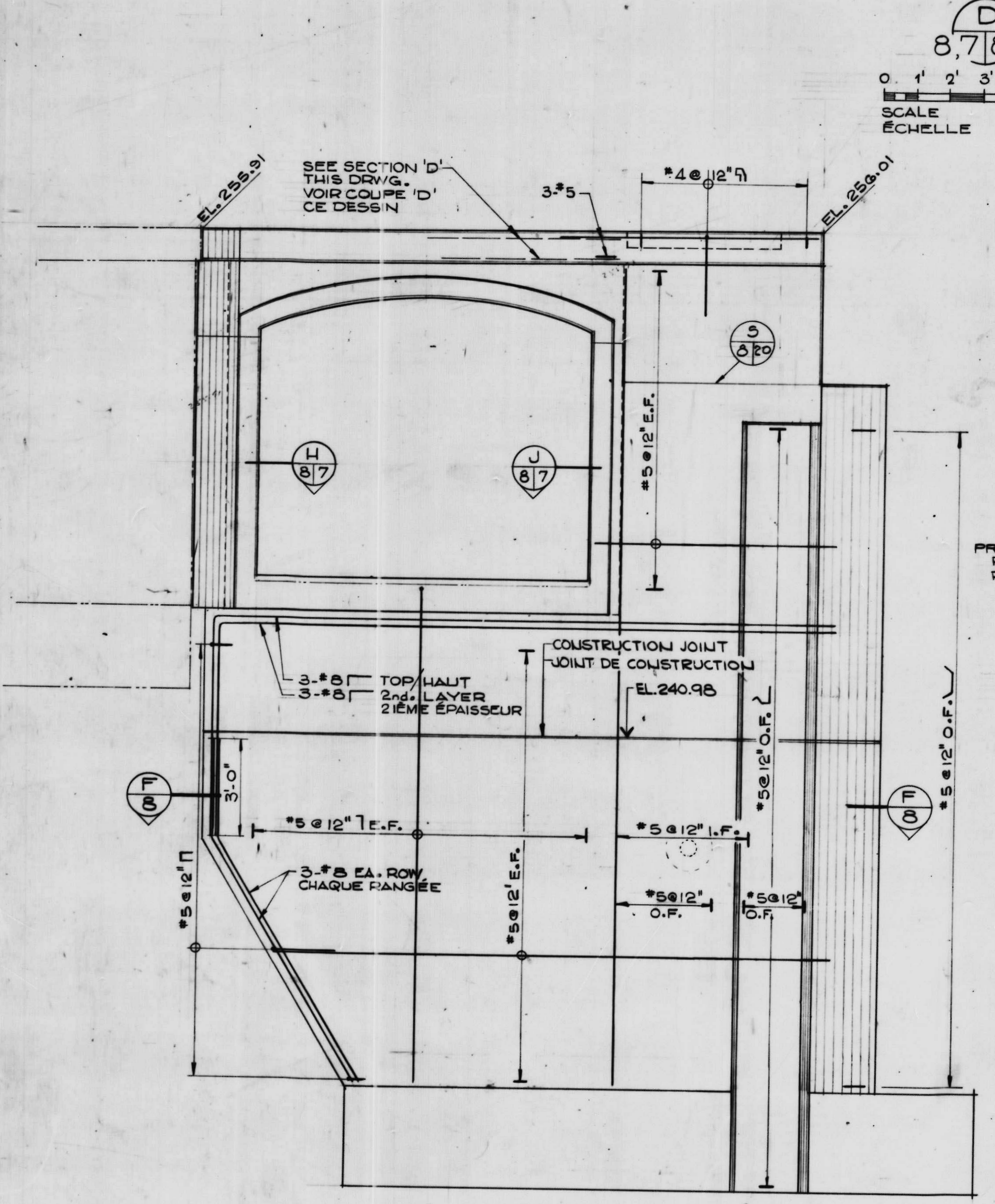
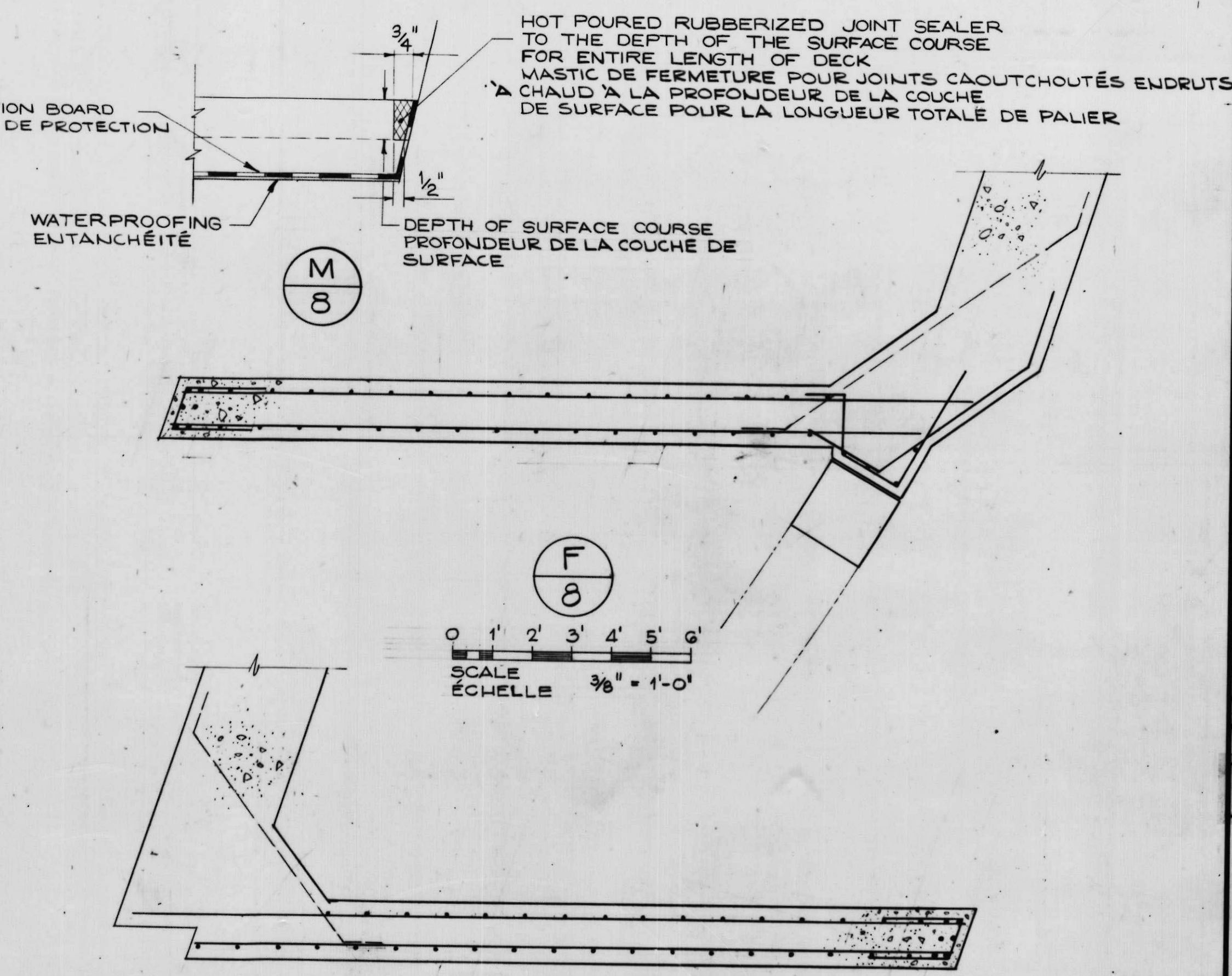
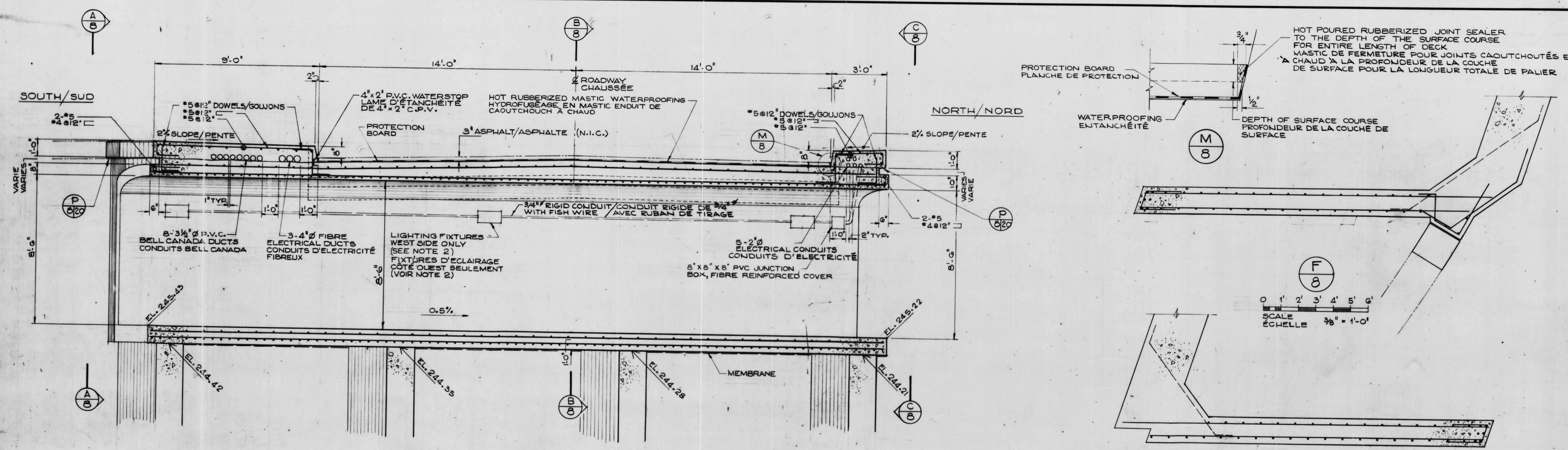


AS BUILT, FROM FIELD RECORDS
DEC. 29, 1977

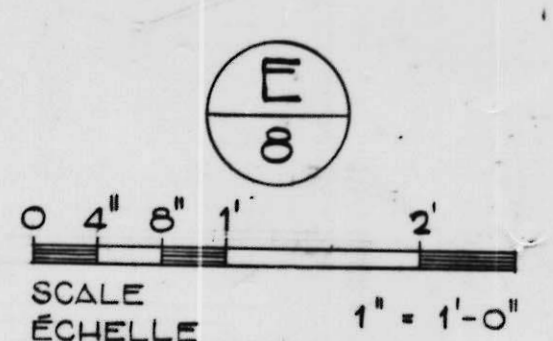
A detail no.	détail no.
B location dwg. no.	sur dessin no.
C drawing no.	dessin no.
drawn by / tracé par	G.S.N.
scale / échelle	AS NOTED / NOTÉE
designed by / établi par	O.I.
checked by / vérifié par	J.D.T.
job captain / chef du projet	J.R.
date	JUNE 30 JUN, 1978
responsible officer / officier responsable	H.G.
date	JUNE 30 JUN, 1978

Rideau Canal
Hogs Back Dam
and Fixed Bridge
Canal Rideau
Barrage et Pont Fixe
Hogs Back
drawing title / titre du dessin
TUNNEL T2 AND WEST
ABUTMENT OF BRIDGE
TUNNEL T2 ET BUTÉE
OUEST DU PONT
drawing no. / no de référence
10-738
dwg no. / dessin no.
7

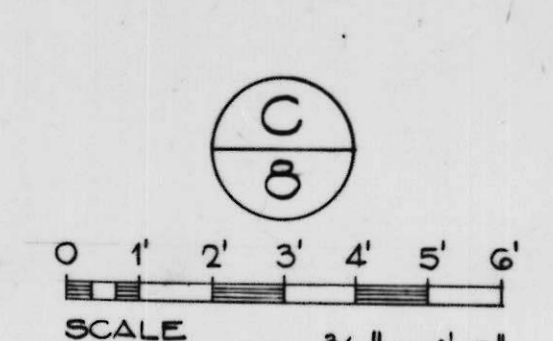




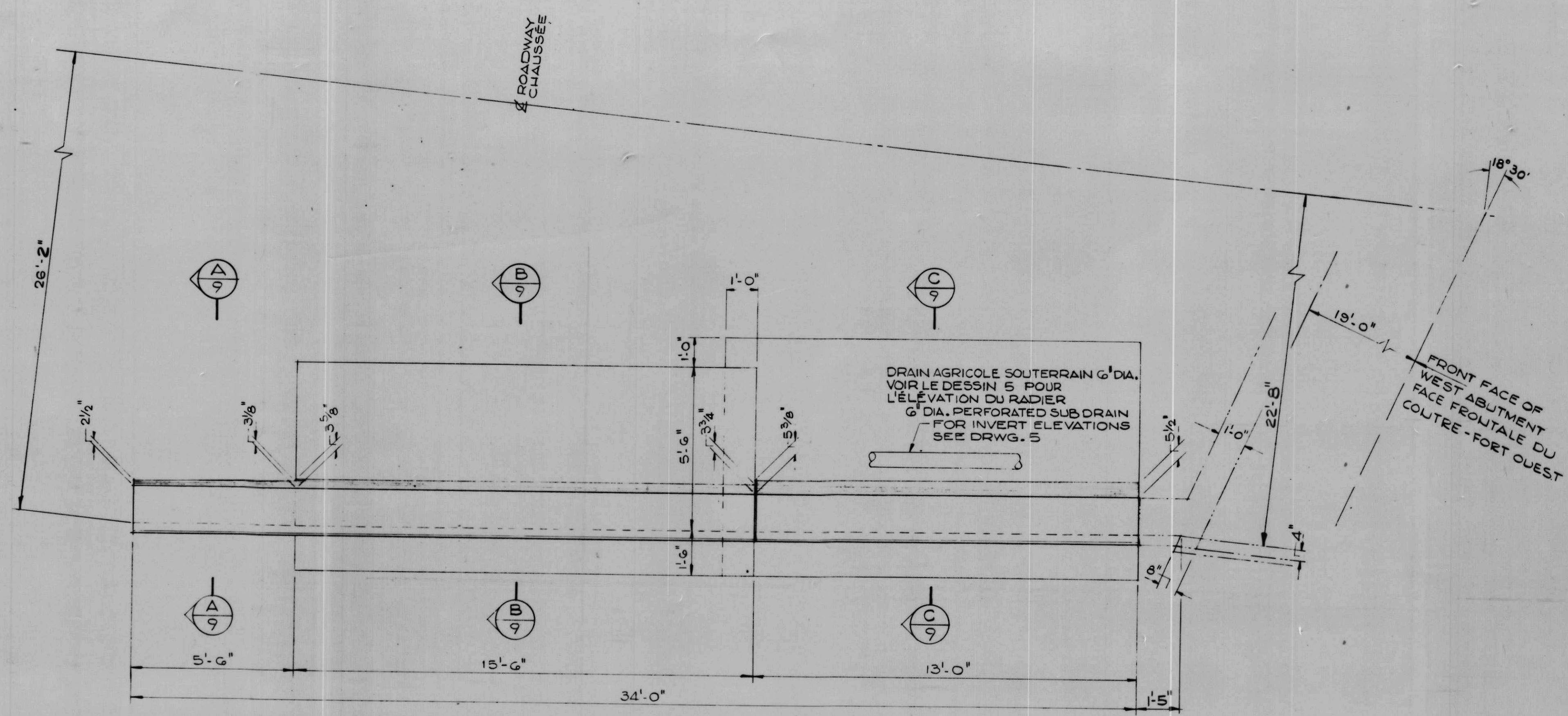
NOTES
 1. FOR GENERAL NOTES SEE DRWG. 2.
 2. THE LIGHTING FIXTURES SHALL BE 100 W MV MCPHILBEN 93-226E RECTANGULAR RECESSED, HORIZONTAL - OR AN APPROVED EQUAL. THEY SHALL BE COMPLETE WITH EXTERNAL SPLICE COMPARTMENTS AND PRISMATIC LENSES.



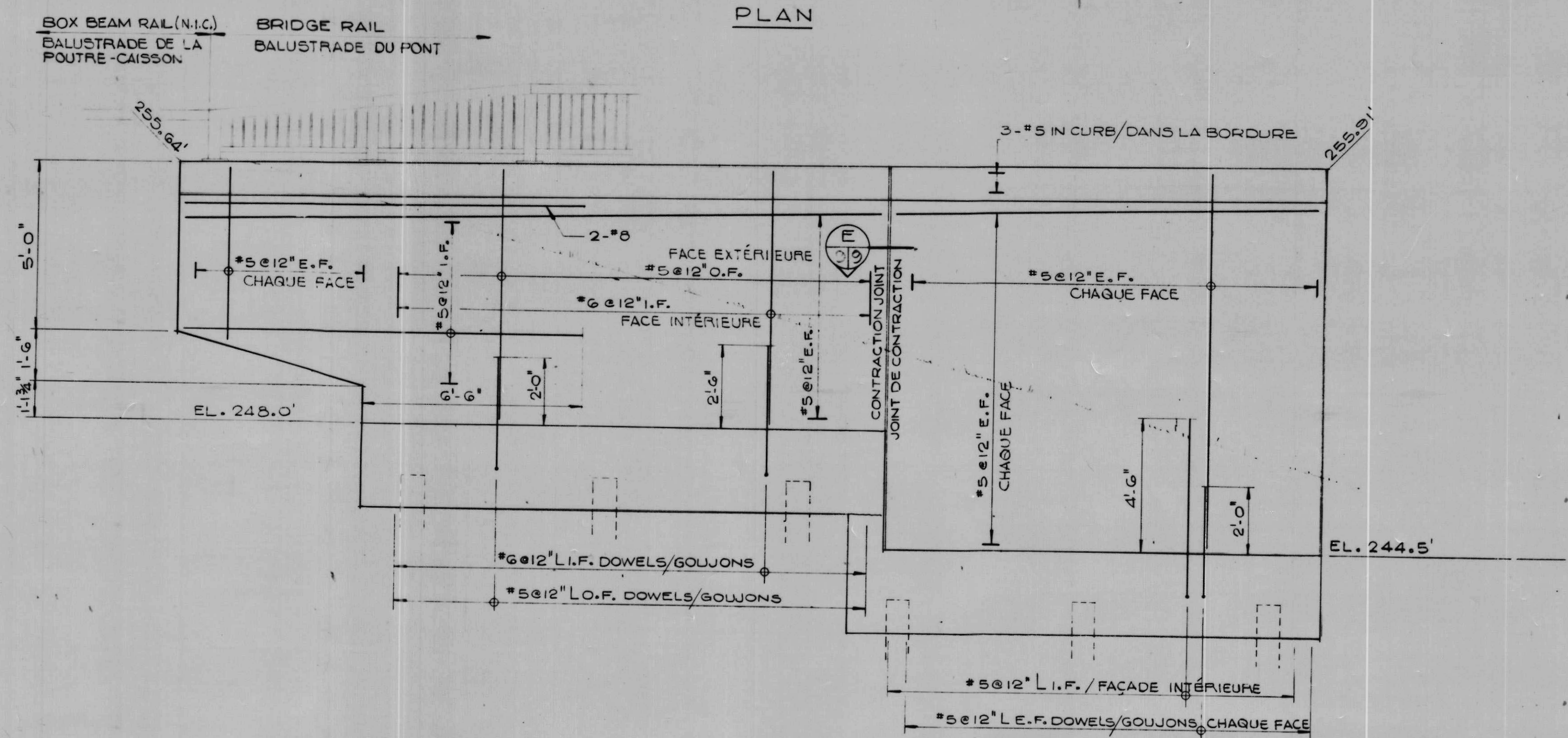
NOTES
 1. VOIR DESSIN 2 POUR NOTES GÉNÉRALES
 2. LES FIXTURES D'ÉCLAIRAGE SERONT DE 100 W MV MCPHILBEN 93-226E LOGÉES RECTANGULAIREMENT OU UNE SIMILAIRE APPROUVÉE. ELLES DEVRONT ÊTRE COMPLÈTES AVEC COMPARTIMENTS DE JOINTS EXTERNES ET LENTILLES PRISMATIQUES



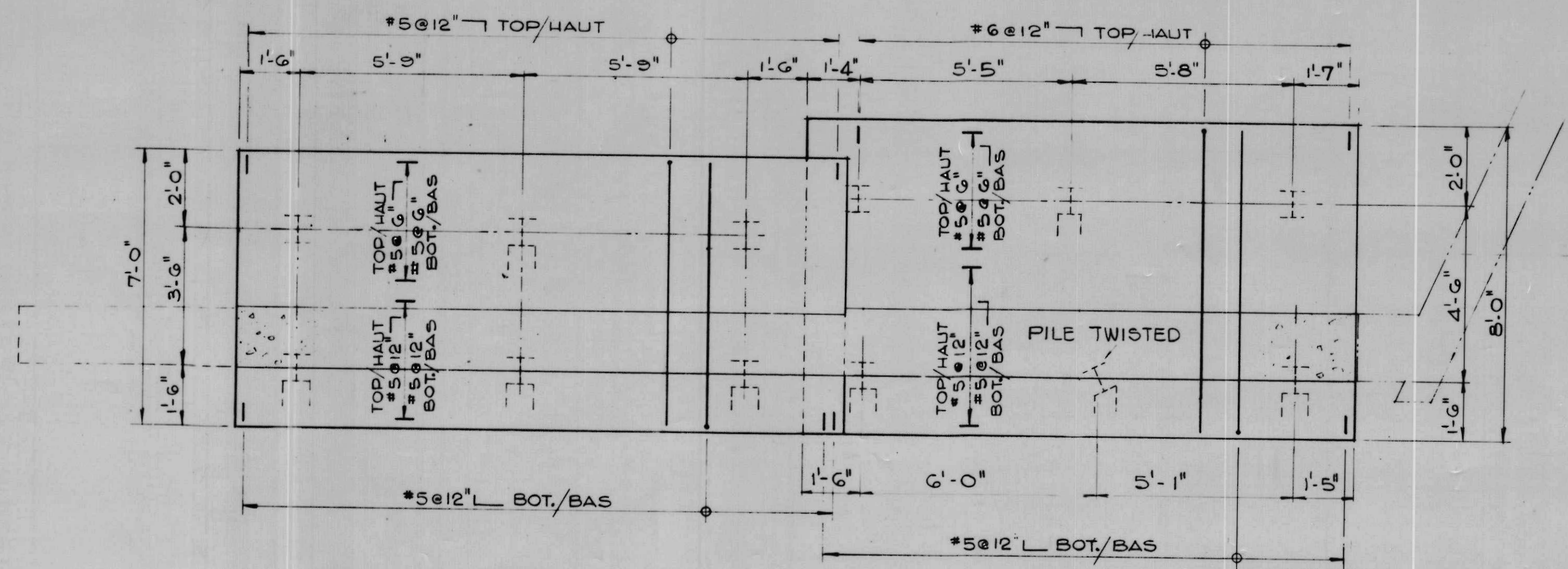
A detail no.	détail no.
B location dwg. no.	sur dessin no.
C drawing no.	dessin no.
drawn by / tracé par	scale / échelle
G.S.N.	AS NOTED/NOTÉE
designed by / établi par	
O.I.	
checked by / vérifié par	
J.D.T.	
job captain / chef du projet	date
J.R.	JUNE 30 JUN, 1976
responsible officer / officier responsable	date
H.G.	JUNE 30 JUN, 1976
project title	titre du dessin
Rideau Canal Hogs Back Dam and Fixed Bridge	
Canal Rideau Barrage et Pont Fixe Hogs Back	
drawing title	titre du dessin
TUNNEL T2 AND WEST ABUTMENT OF BRIDGE	
TUNNEL T2 ET BUTÉE OUEST DU PONT	
reference no. no de référence	dwg no. dessin no.
10-738	8



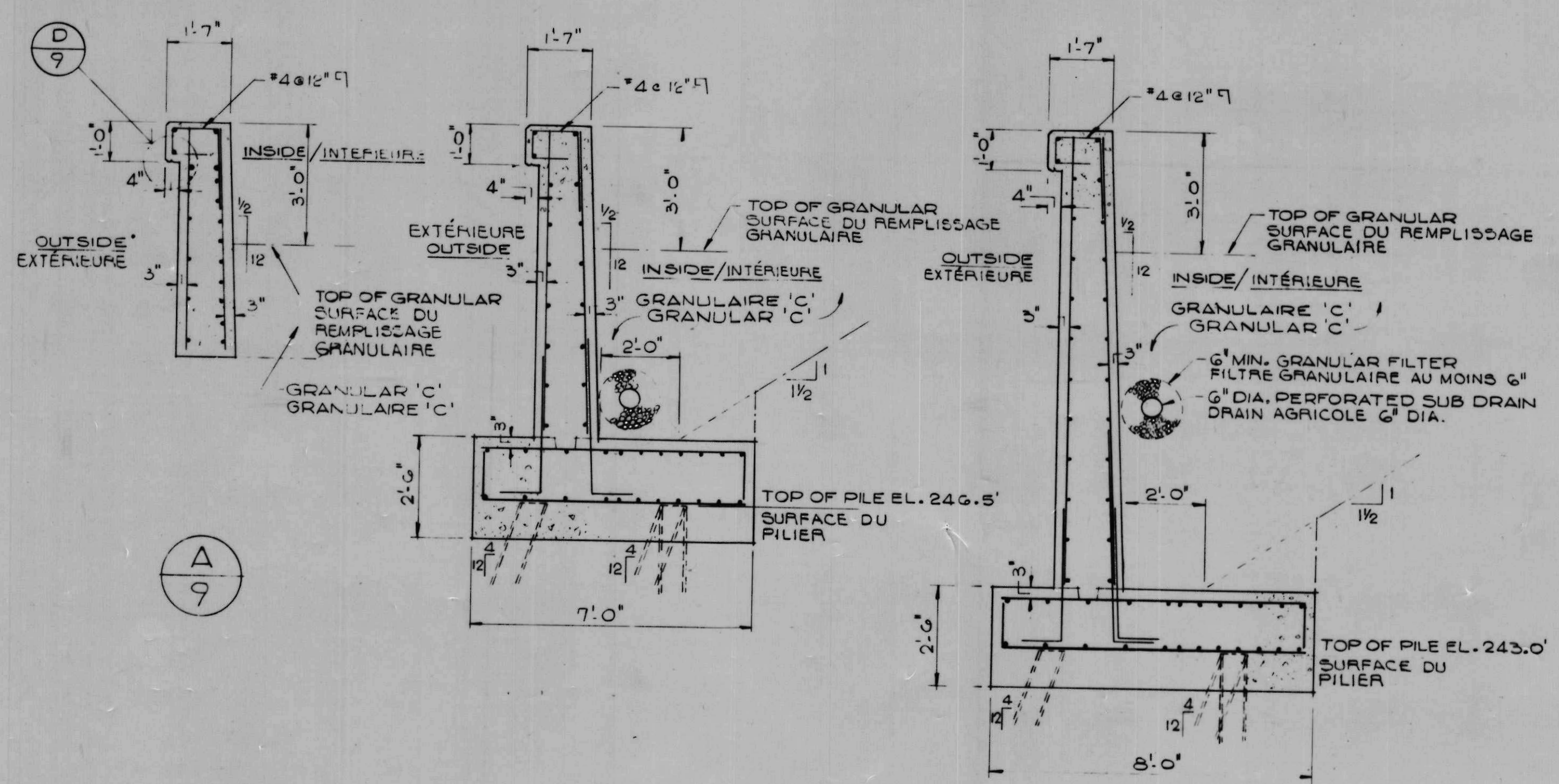
PLAN



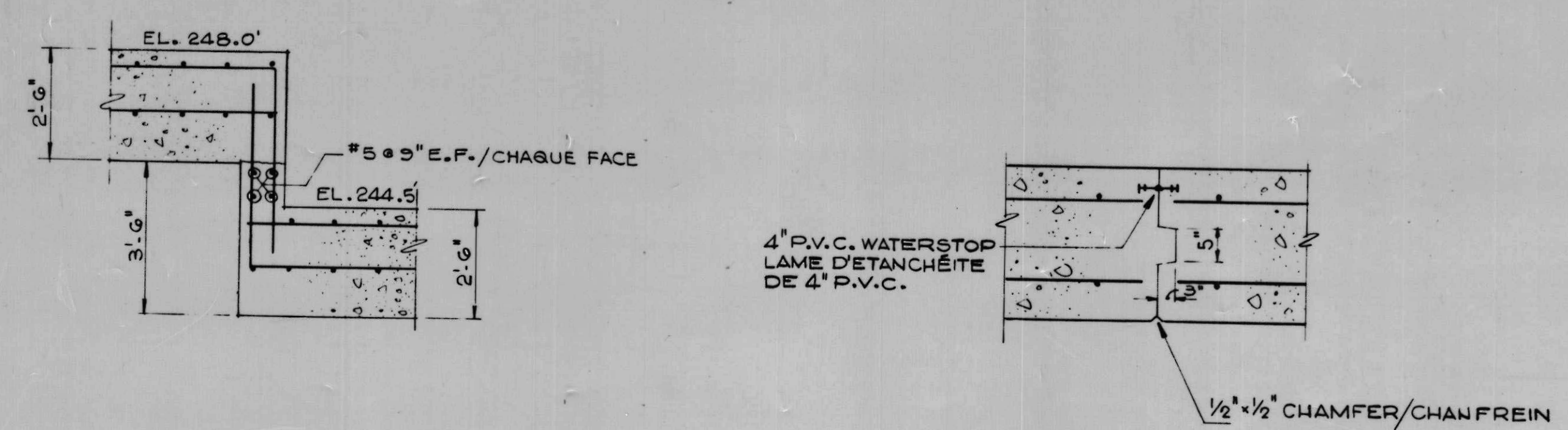
ELEVATION/ÉLÉVATION



FOOTING AND PILING LAYOUT/AGENCEMENT DES EMPATTEMENTS ET DES PILOTIS
SCALE 3/8" = 1'-0" ÉCHELLE



SCALE 3/8" = 1'-0" ÉCHELLE



SCALE 1" = 1'-0" ÉCHELLE

NOTES
FOR GENERAL NOTES SEE DRAWING 2.
FOR LOCATION OF WALL SEE DRAWING 5.
FOR DETAILS OF BRIDGE RAIL SEE DRAWING 30.
PILING SHALL BE HP 8x36 TO C.S.A. G40.20 AND G40.21
GRADE 33W.
DESIGN PILE LOAD 80 K.
H1 DENOTES VERTICAL PILE.
H2 DENOTES BATTERED PILE AT 4:12.

NOTES
VOIR DESSIN 2 POUR NOTES GÉNÉRALES.
VOIR LE DESSIN 5 POUR LA SITUATION DU MUR.
VOIR LE DESSIN 30 POUR LES DÉTAILS DE LA BALUSTRADE
DU PONT.
LE PILOTIS SERA HP 8x36 SELON LES NORMES G40.20 ET
G40.21 GRADE 33W DE LA ACN.
CHARGES DE CALCUL DE PILIER 80 K.
H1 INDIQUE UN PILIER VERTICAL.
H2 INDIQUE PILOU INCLINÉ A 4:12.



C.C. Parker and Associates Limited
Consulting Engineers
Ottawa Ontario



AS BUILT, FROM FIELD RECORDS
DEC. 29, 1977

A	detail no.	détail no.
B	location dwg. no.	sur dessin no.
C	drawing no.	dessin no.

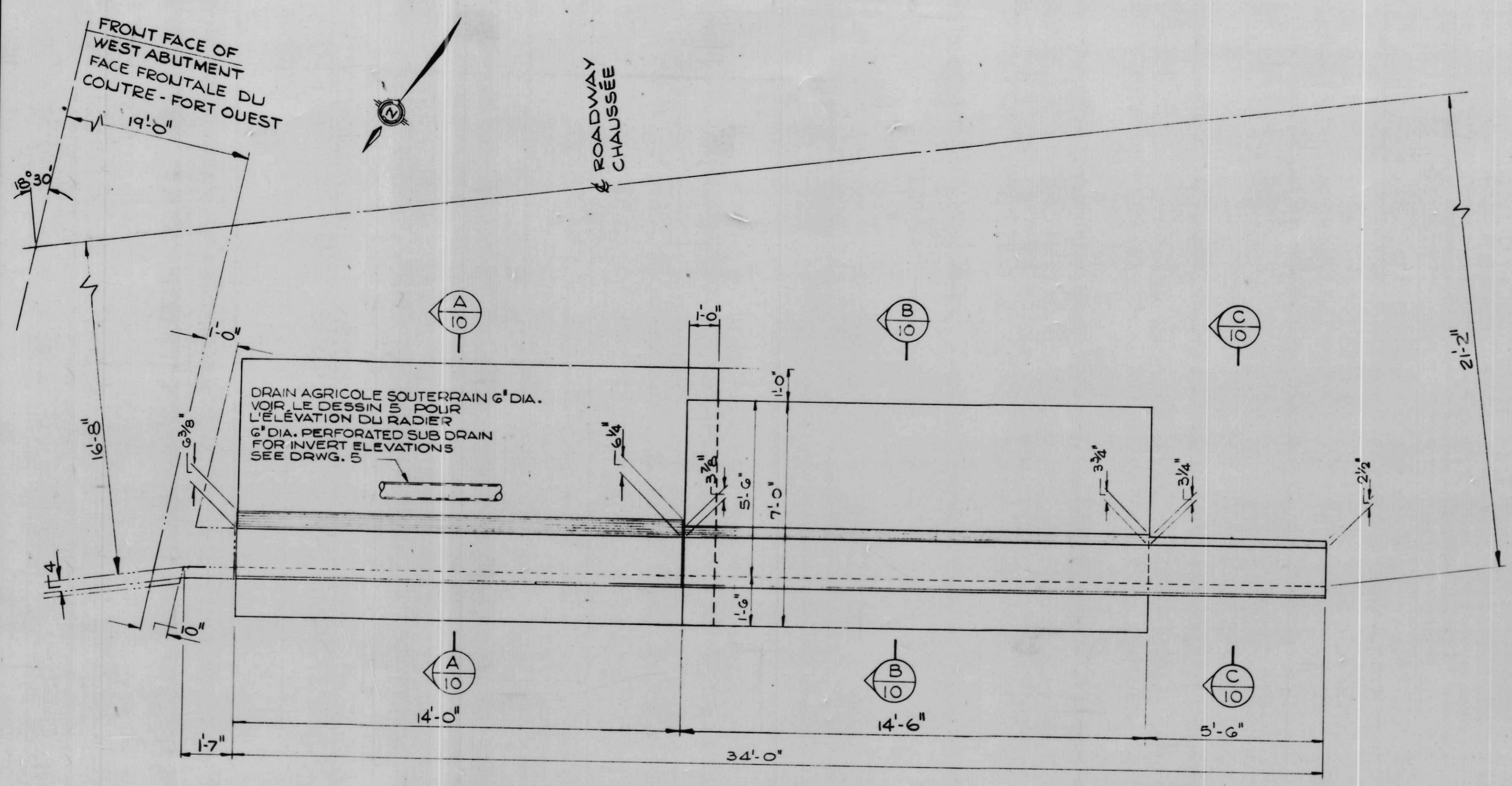
drawn by / tracé par G.S.N.
scale / échelle AS NOTED / NOTÉE
designed by / établi par G.I.
checked by / vérifié par J.D.T.

job captain / chef du projet J.R. date JUNE 30 JUN, 1976
responsible officer / officier responsable H.G. date JUNE 30 JUN, 1976

project title / titre du projet
Rideau Canal Hogs Back Dam and Fixed Bridge
Canal Rideau Barrage et Pont Fixe Hogs Back

drawing title / titre du dessin
SOUTH RETAINING WALL AT TUNNEL T2
MUR DE RETENUE SUD VERS TUNNEL T2

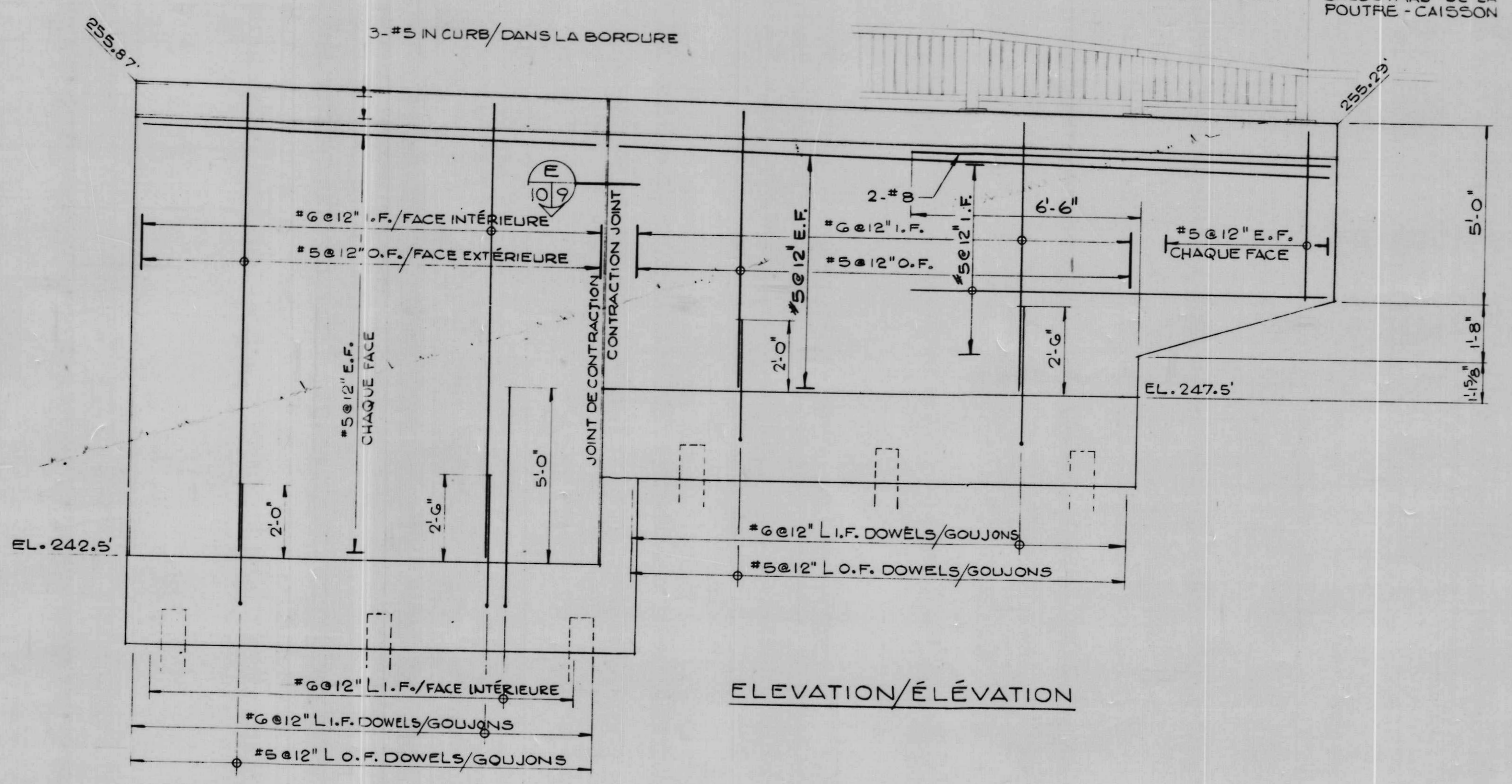
reference no. / no de référence 10-738
dwg no. / dessin no. 9



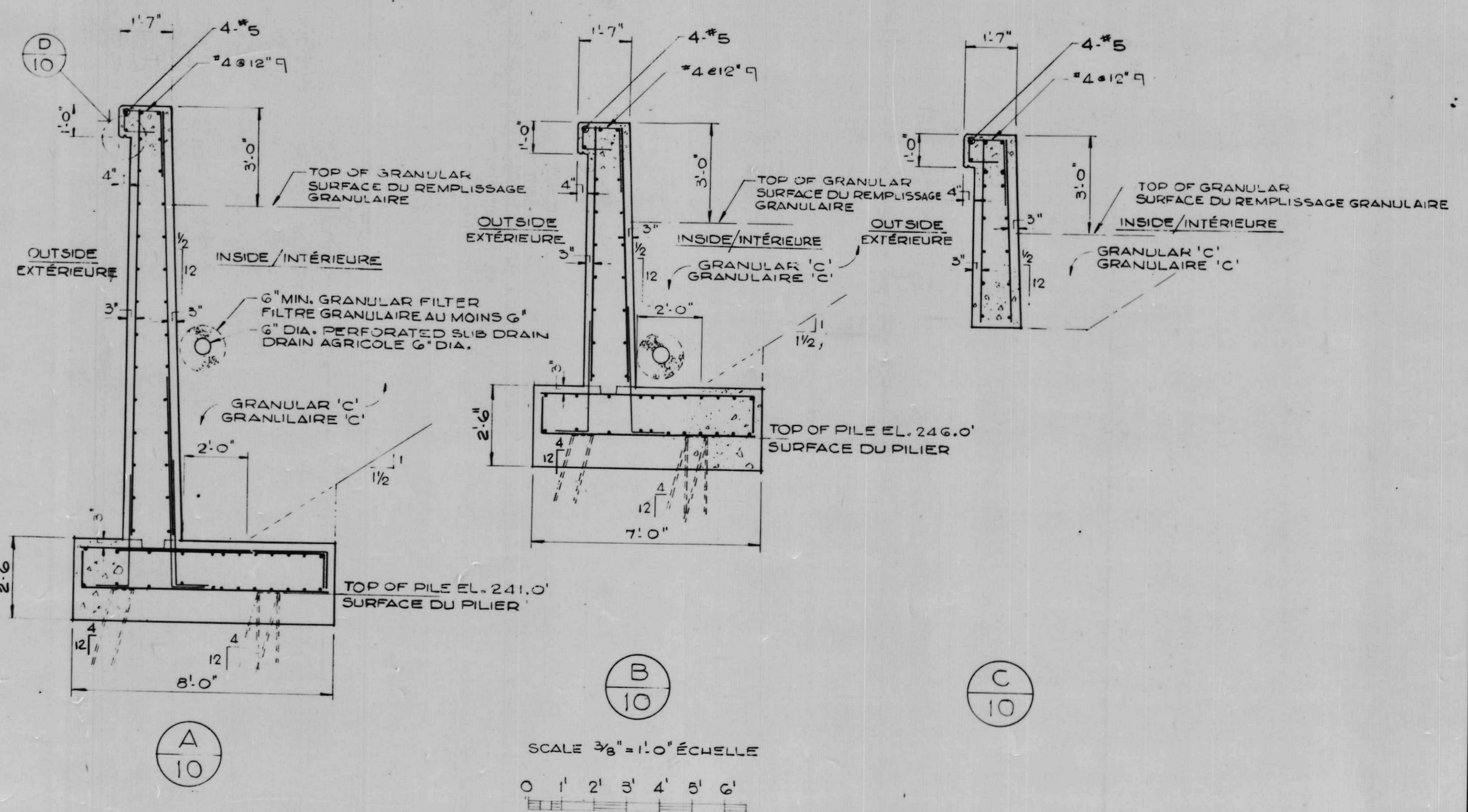
PLAN

BRIDGE RAIL
BALUSTRADE DU PONT

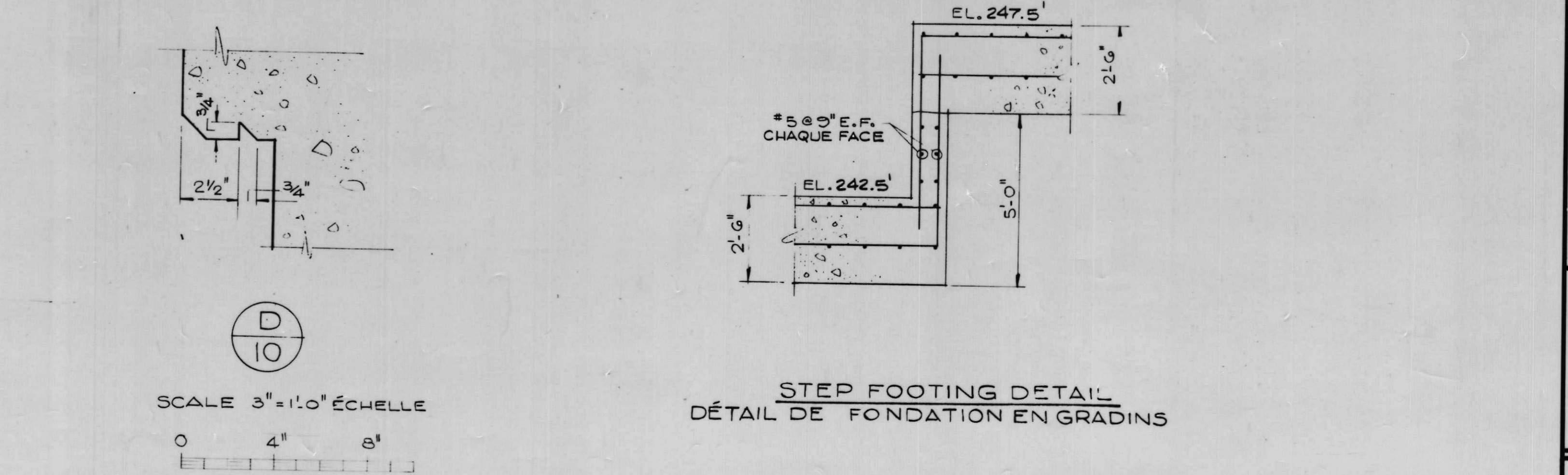
BOX BEAM RAIL (N.I.C.)
BALUSTRADE DE LA
FOUTRE - CAISSON



ELEVATION/ÉLÉVATION

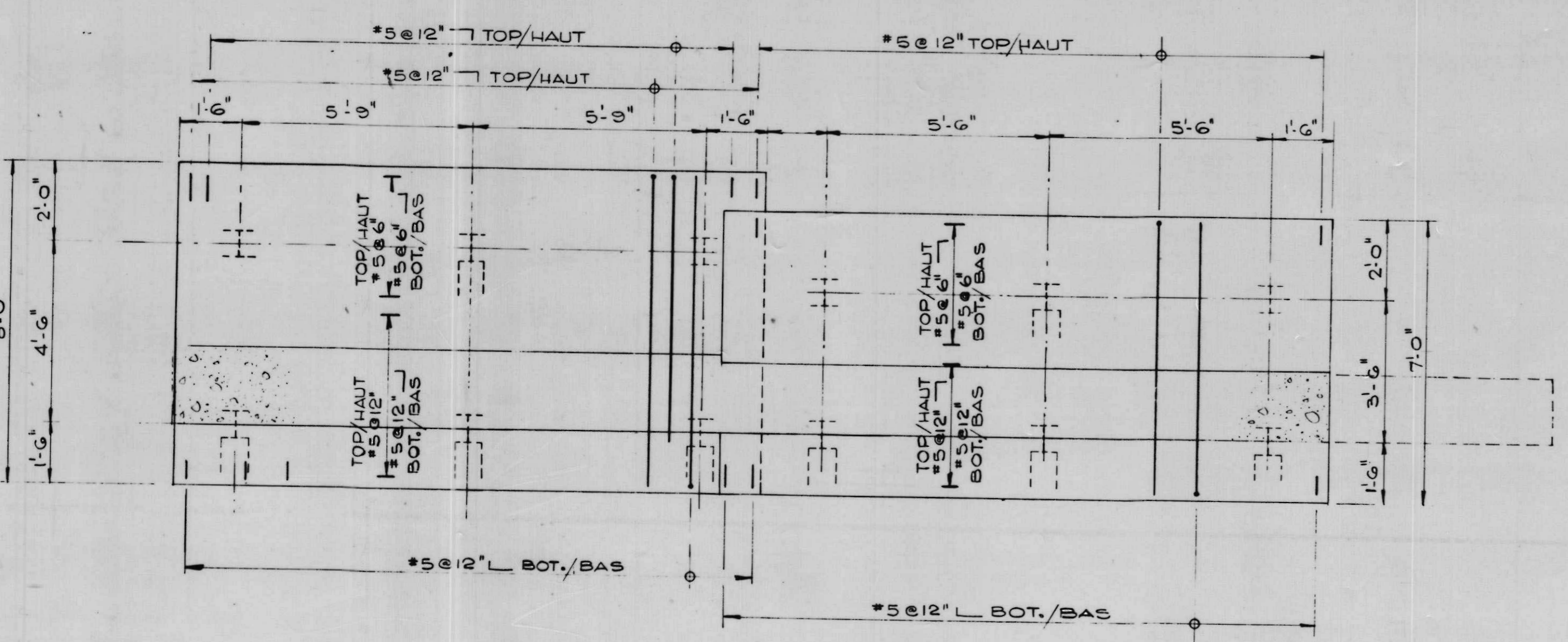


SCALE 3/8" = 1'-0" ÉCHELLE



STEP FOOTING DETAIL
DÉTAIL DE FONDATION EN GRADINS

SCALE 3/8" = 1'-0" ÉCHELLE



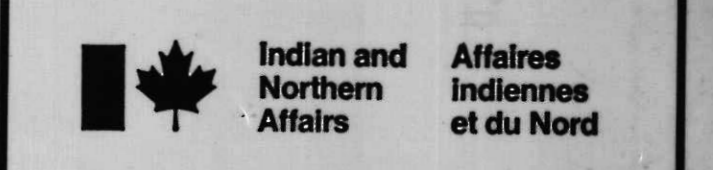
FOOTING AND PILING LAYOUT/AGENCEMENT DES EMPATTEMENTS ET DES PILOTIS
SCALE 3/8" = 1'-0" ÉCHELLE

NOTES:

FOR GENERAL NOTES SEE DRAWING 2.
FOR LOCATION OF WALL SEE DRAWING 5.
FOR DETAILS OF BRIDGE RAIL SEE DRAWING 30.
PILING SHALL BE HP 8x36 TO C.S.A. G40.20, G40.21
GRADE 33W
DESIGN PILE LOAD 80K
H DENOTES VERTICAL PILE
CH INDICATES BATTERED PILE AT 4:12

NOTES:

VOIR DESSIN 2 POUR NOTES GÉNÉRALES.
VOIR LE DESSIN 5 POUR LA SITUATION DU MUR.
VOIR LE DESSIN 30 POUR LES DÉTAILS DE LA BALUSTRADE DU PONT.
LE PILOTIS SERA HP 8x36 SELON LES NORMES G40.2 ET G40.21
GRADE 33W DE LA ACN.
CHARGES DE CALCUL DE PILIER 80K.
H INDIQUE UN PILIER VERTICAL.
CH INDIQUE UN PILIER INCLINÉ À 4:12.



C.C. Parker and Associates Limited
Consulting Engineers
Ottawa Ontario



AS BUILT, FROM FIELD RECORDS
DEC. 29, 1977

A	detail no.	détail no.
B	location dwg. no.	sur dessin no.
C	drawing no.	dessin no.

drawn by / tracé par G.S.N.	scale / échelle AS NOTED / NOTÉE
--------------------------------	-------------------------------------

designed by / établi par G.I.	checked by / vérifié par J.D.T.
----------------------------------	------------------------------------

job captain / chef du projet J.R.	date JUNE 30 JUN, 1976
--------------------------------------	---------------------------

responsible officer / officier responsable H.G.	date JUNE 30 JUN, 1976
--	---------------------------

project title / titre du projet

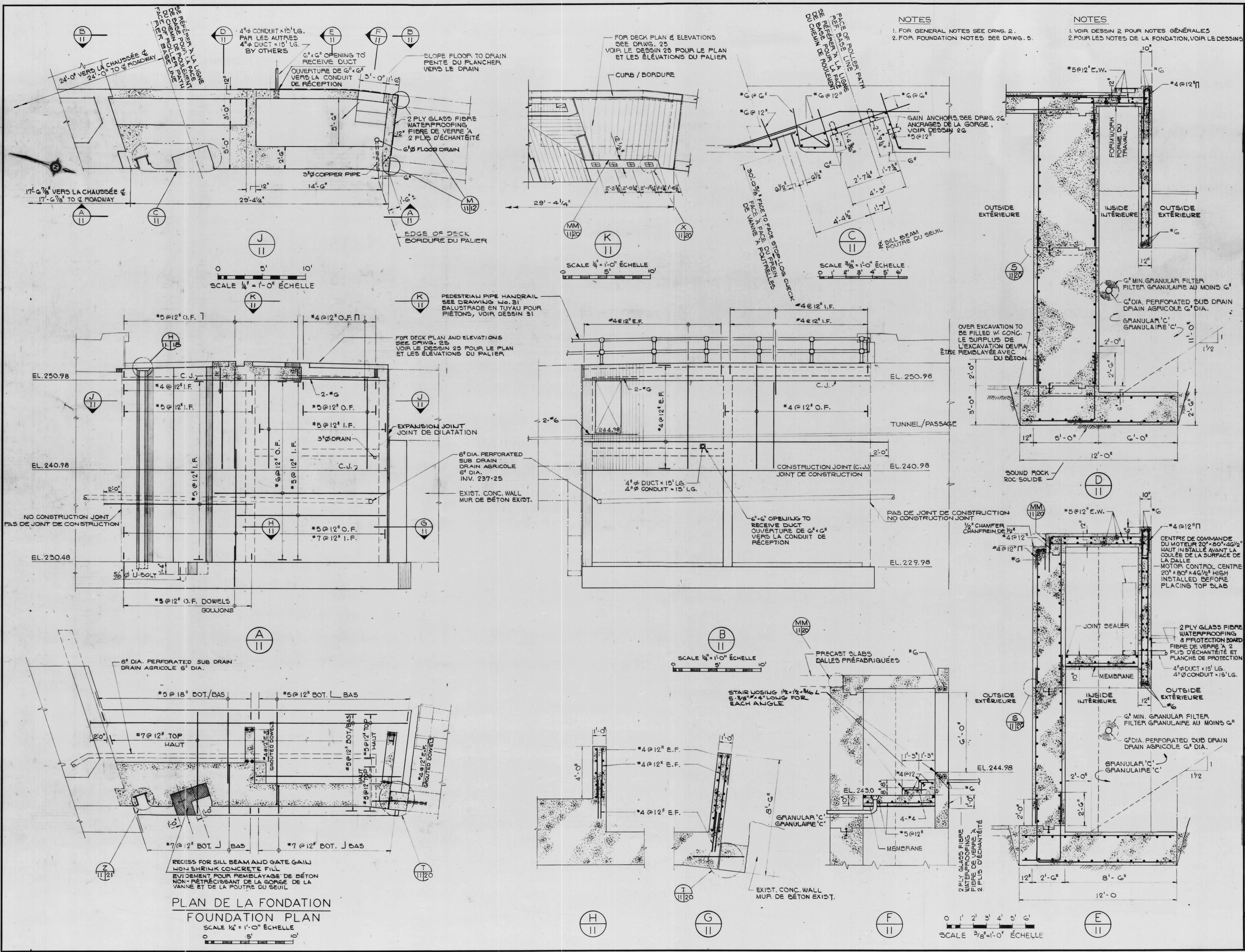
**Rideau Canal
Hogs Back Dam
and Fixed Bridge**

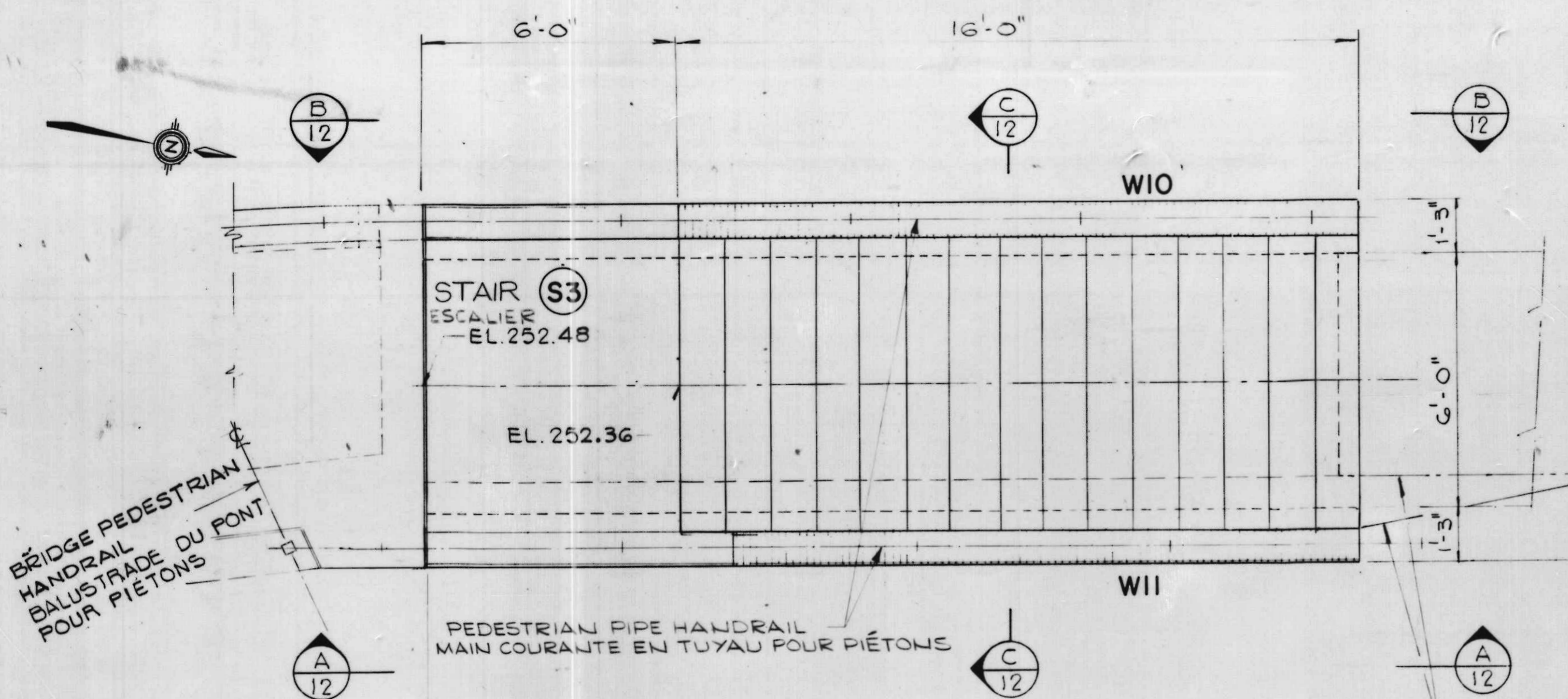
Canal Rideau
Barrage et Pont Fixe
Hogs Back

drawing title / titre du dessin

**NORTH RETAINING WALL
AT TUNNEL T2
MUR DE RETENUE NORD
VERS TUNNEL T2**

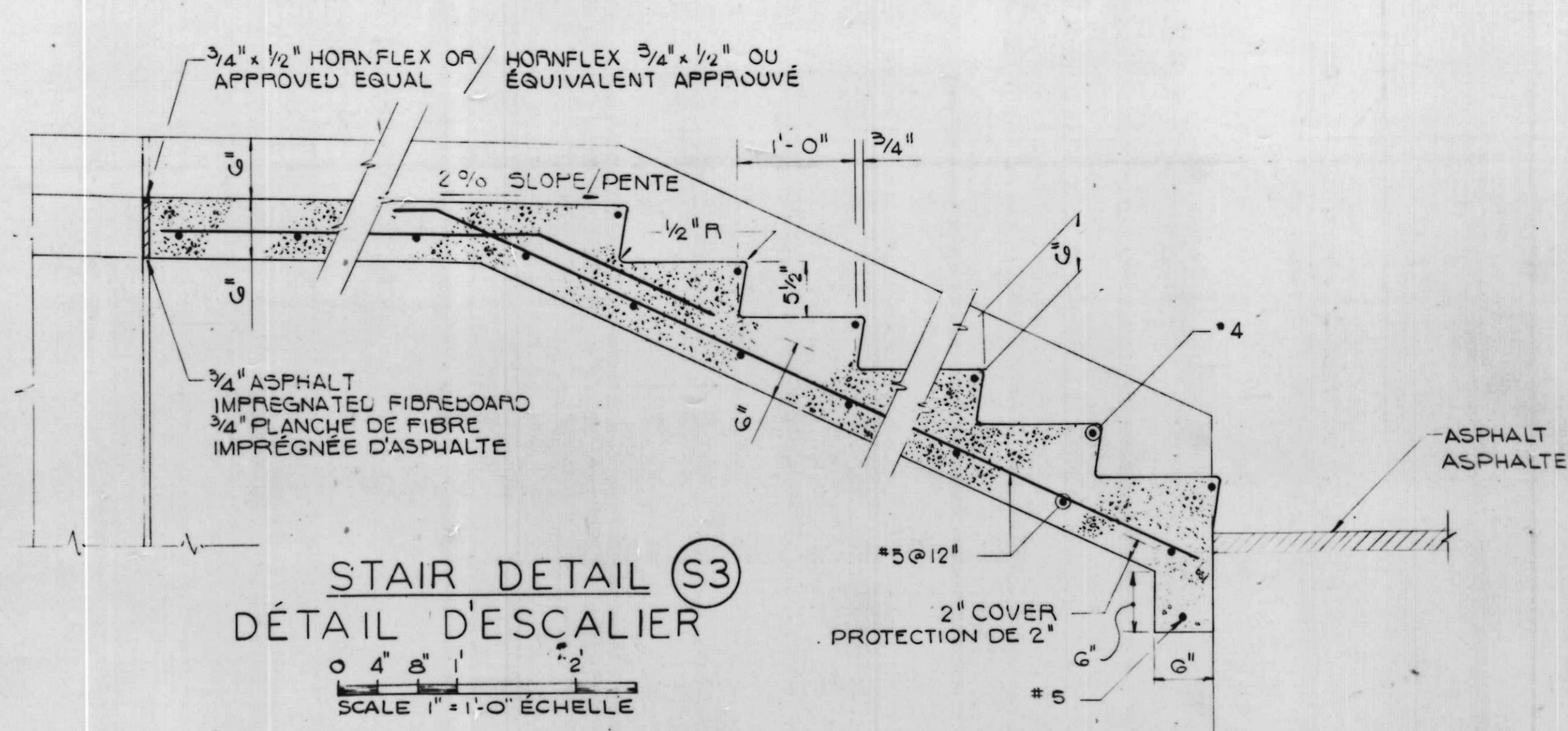
reference no. no de référence 10-738	dwg no. dessin no. 10
---	------------------------------------





PLAN
SCALE 3/8" = 1'-0" ÉCHELLE

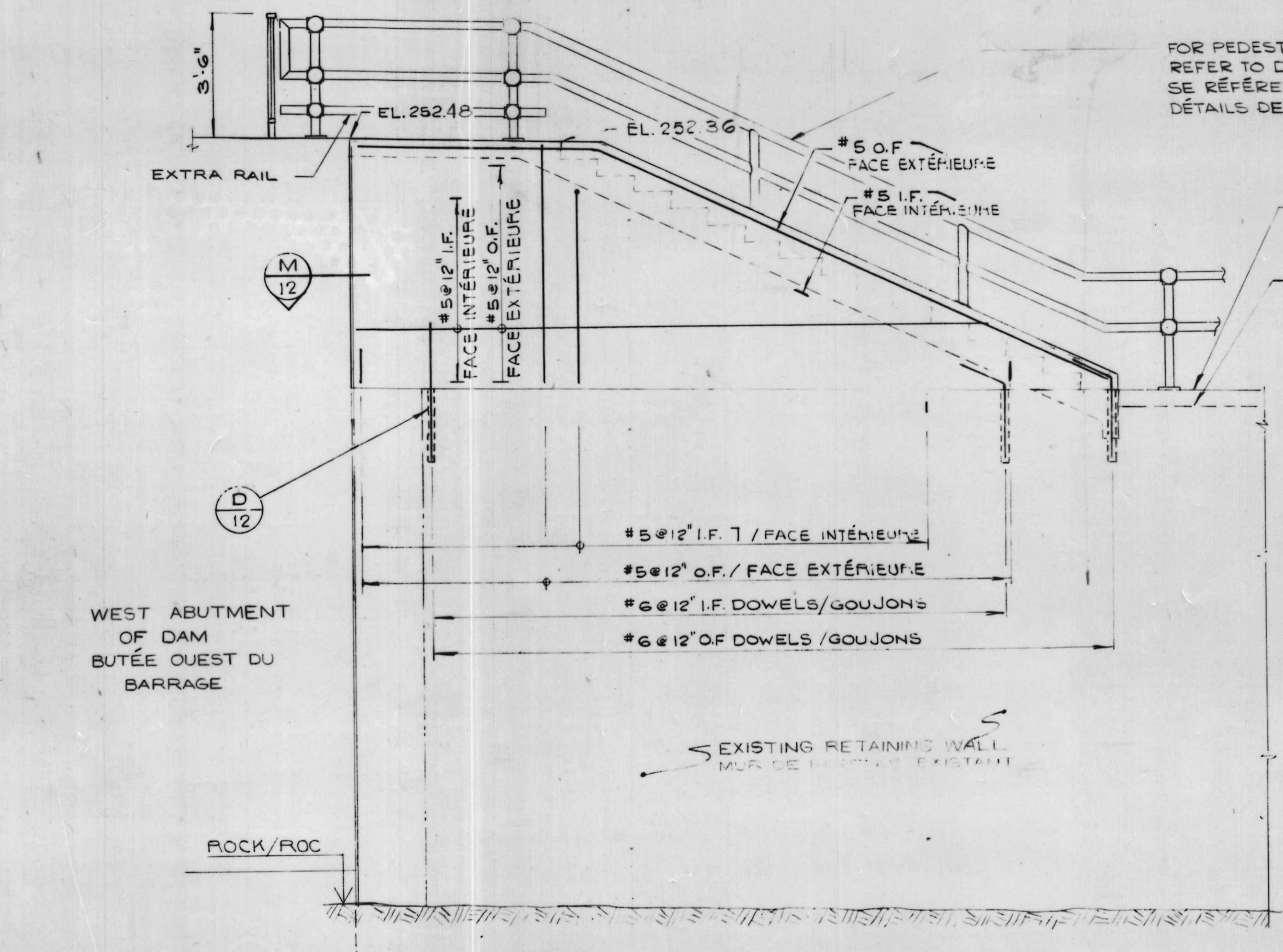
CUT BACK TOP OF EXISTING WALL TO SUIT STEP
REPAIR WALL
COUPER LA PARTIE SUPÉRIEURE
ARRIÈRE DU HAUT DU MUR EXISTANT
POUR CONVENIR AU GRADIN



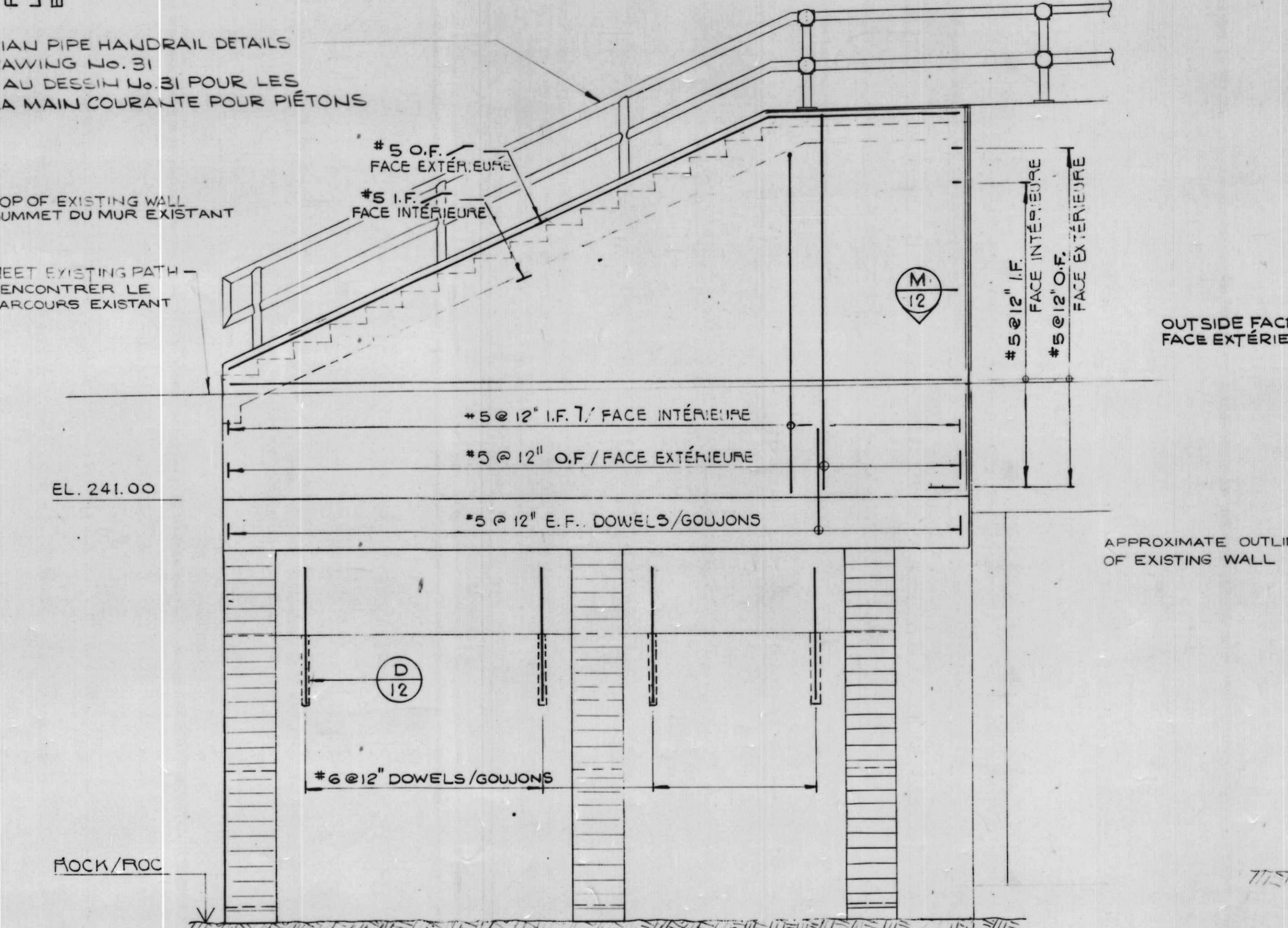
STAIR DETAIL S3
DÉTAIL D'ESCALIER
SCALE 1" = 1'-0" ÉCHELLE

NOTES
FOR GENERAL NOTES SEE DRWG. 2.
FOR LOCATION OF WALLS AND STAIR SEE DRWG. 1.

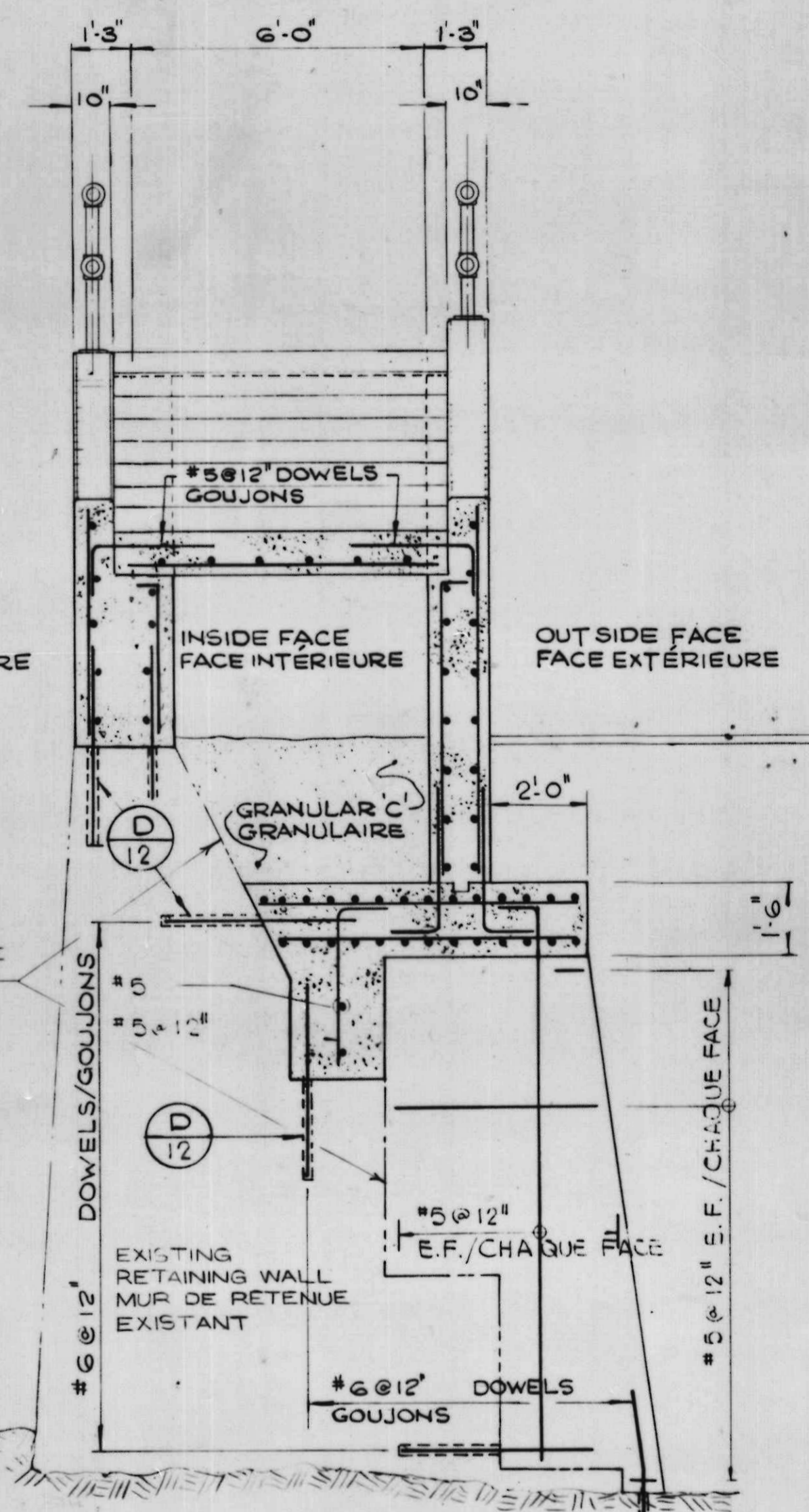
NOTES
VOIR DESSIN 2. POUR NOTES GÉNÉRALES.
VOIR LE DESSIN 1. POUR LA SITUATION DES MURS ET DE
L'ESCALIER.



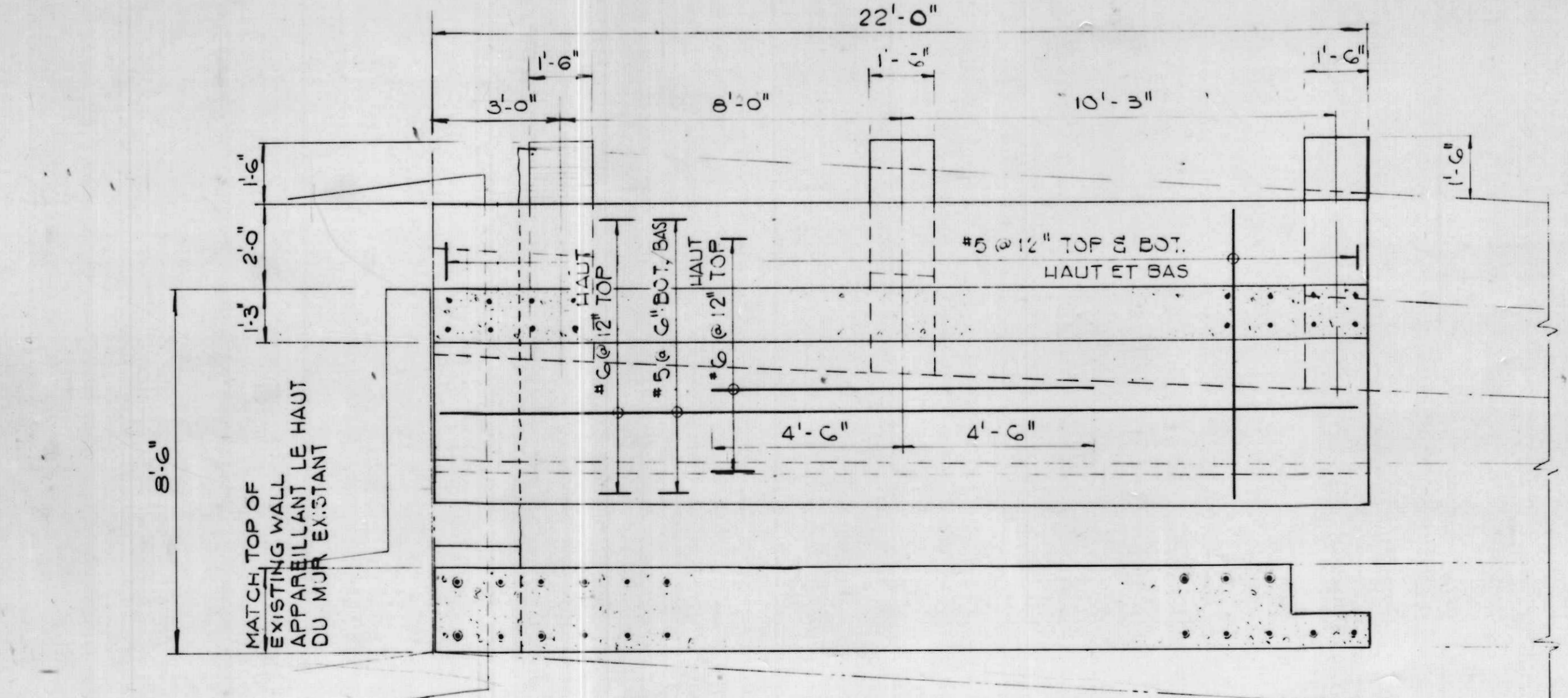
WALL WII MUR WII
SCALE 3/8" = 1'-0" ÉCHELLE



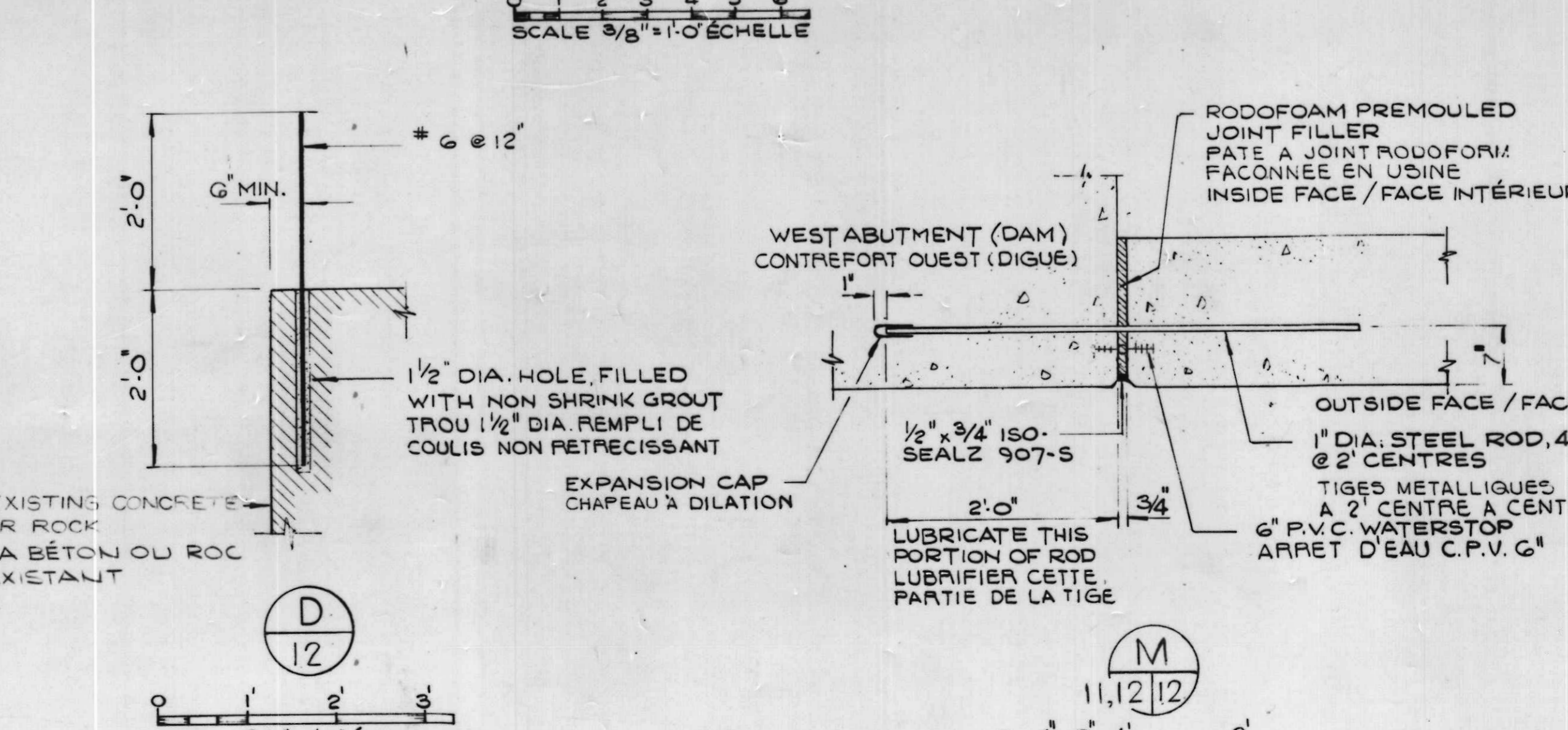
WALL WIO MUR WIO
SCALE 3/8" = 1'-0" ÉCHELLE



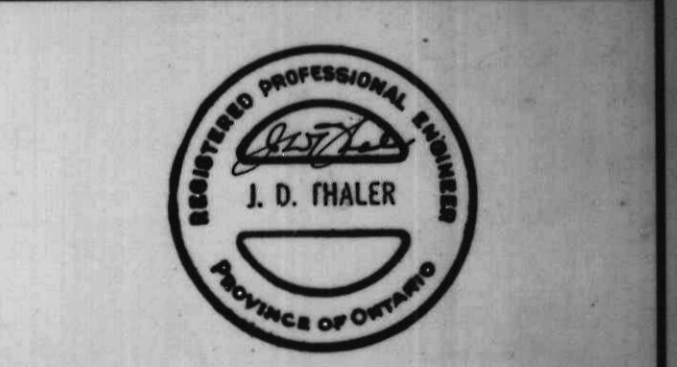
SCALE 3/8" = 1'-0" ÉCHELLE



FOUNDATION PLAN AT TOP OF EXISTING WALL
PLAN DE LA FONDATION AU SOMMET DU MUR EXISTANT



SCALE 1" = 1'-0" ÉCHELLE



AS BUILT, FROM FIELD RECORDS
DEC. 29, 1977

A detail no.	détail no.
B location dwg. no.	sur dessin no.
C drawing no.	dessin no.

drawn by / tracé par H.L.K. scale / échelle AS NOTED / NOTÉE
designed by / établi par Q.I.
checked by / vérifié par J.D.T.

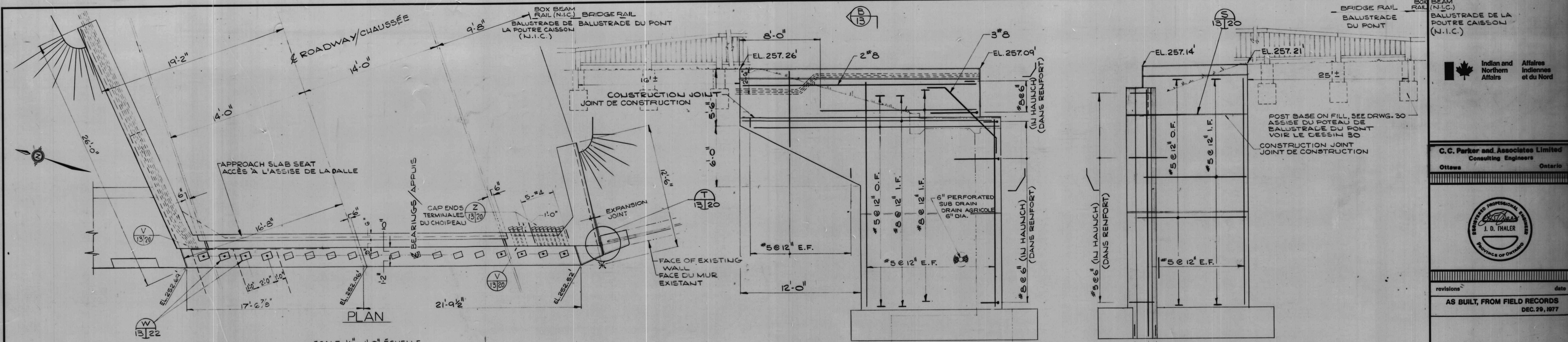
job captain / chef du projet J.R. date JUNE 30 JUN, 1976
responsible officer / officier responsable H.G. date JUNE 30 JUN, 1976

project title / titre du projet
Rideau Canal Hogs Back Dam and Fixed Bridge
Canal Rideau Barrage et Pont Fixe Hogs Back

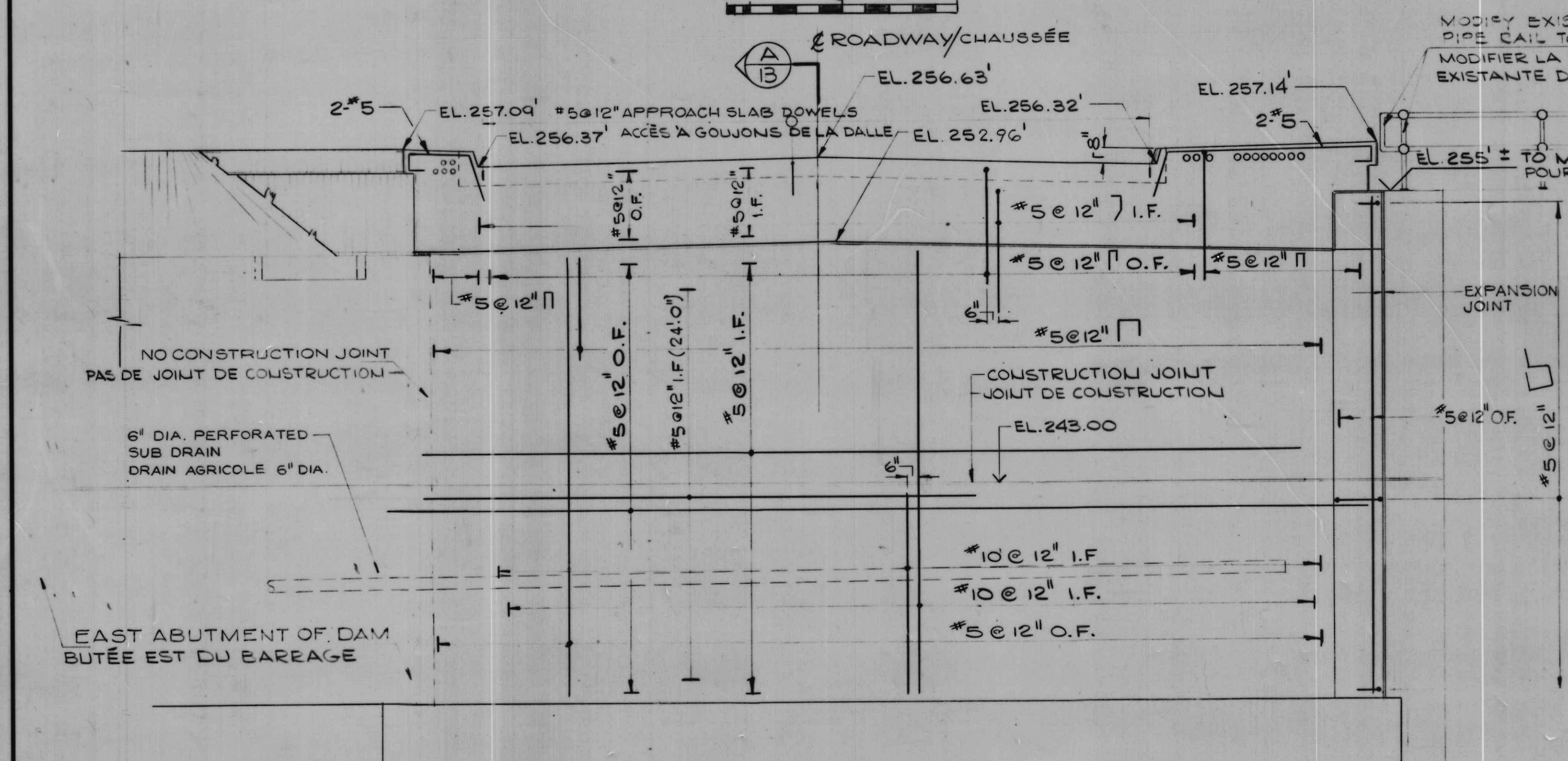
drawing title / titre du dessin

STAIRS S3
ESCALIERS S3

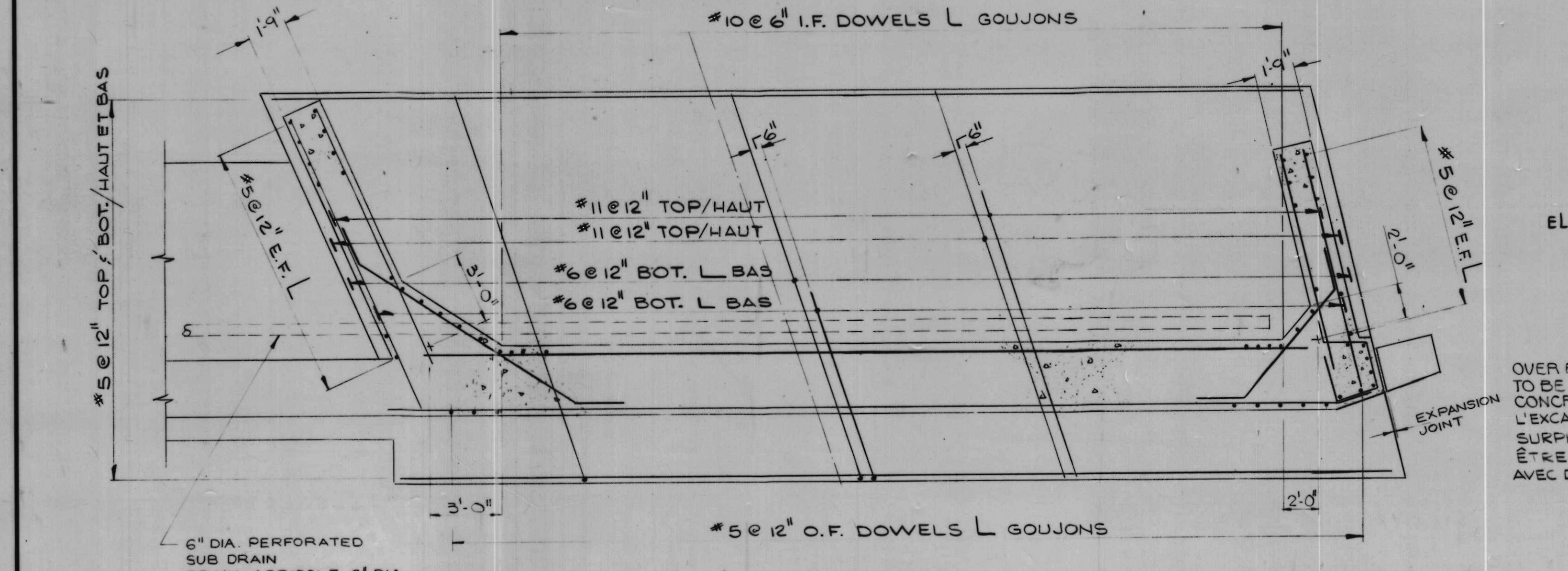
reference no. / no de référence 10-738
dwg no. / dessin no. 12



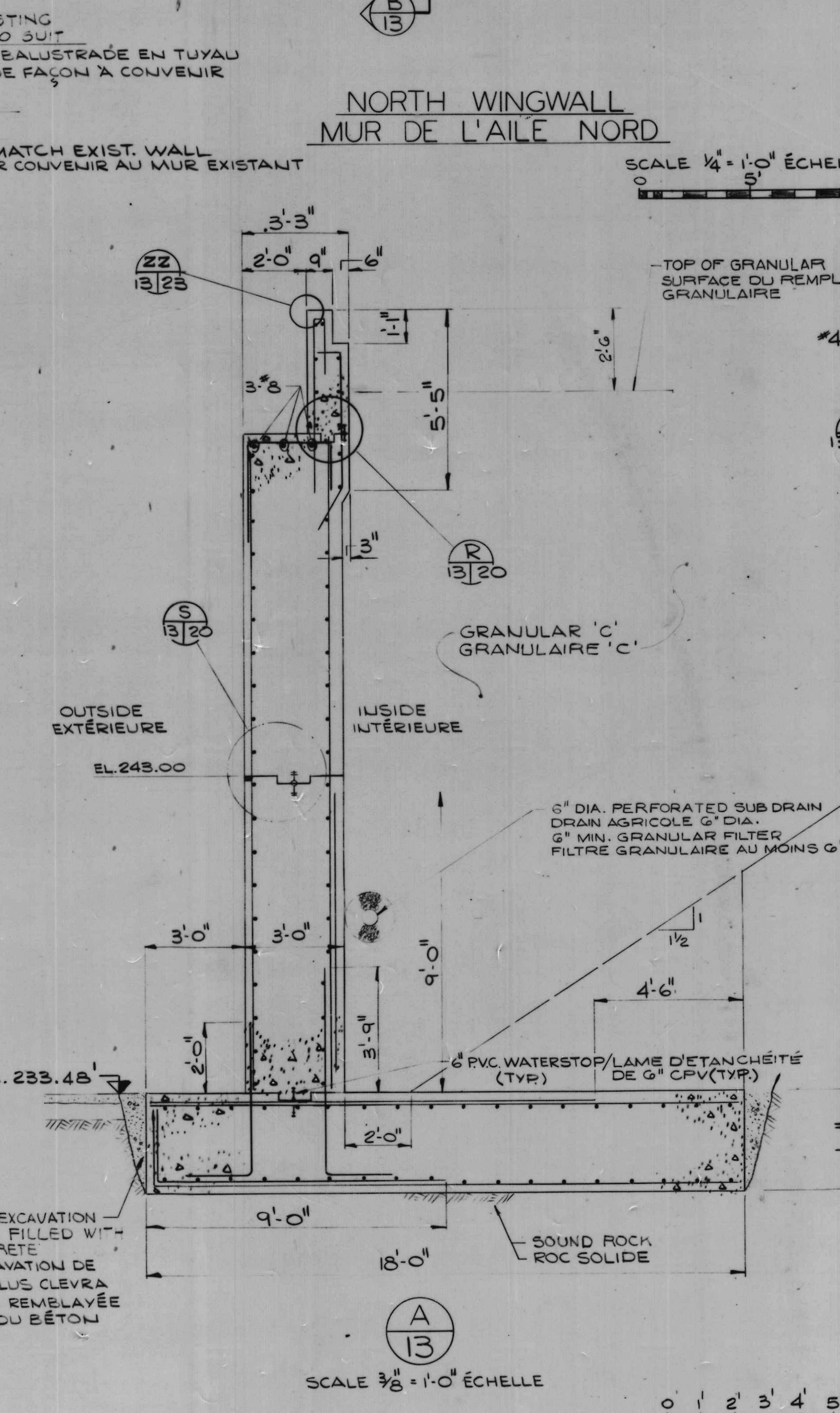
SCALE 1/4" = 1'-0" ÉCHELLE



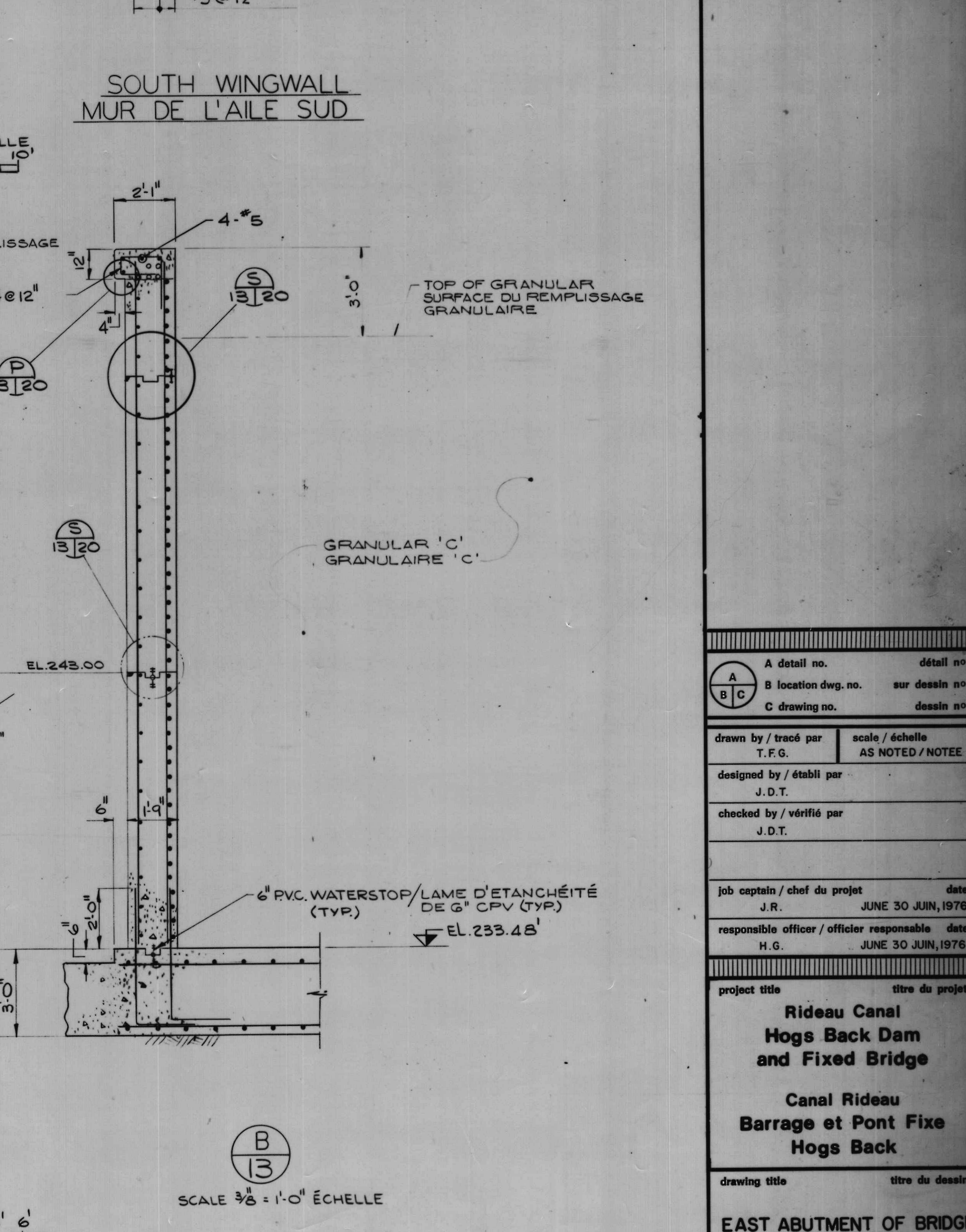
ELEVATION / ÉLÉVATION
SCALE 1/4" = 1'-0" ÉCHELLE



FOOTING REINFORCING / ARMATURE DE L'EMPATTEMENT
SCALE 1/4" = 1'-0" ÉCHELLE



SCALE 3/8" = 1'-0" ÉCHELLE



SCALE 3/8" = 1'-0" ÉCHELLE

NOTES
1. FOR GENERAL NOTES SEE DRWG. 2.
2. FOR FOUNDATION NOTES SEE DRWG. 5.

A	detail no.	détail no.
B	location dwg. no.	sur dessin no.
C	drawing no.	dessin no.

drawn by / tracé par T.F.G.
designed by / établi par J.D.T.
checked by / vérifié par J.D.T.

Job captain / chef du projet J.R.
responsible officer / officier responsable H.G.
date JUNE 30 JUN, 1976
date JUNE 30 JUN, 1976

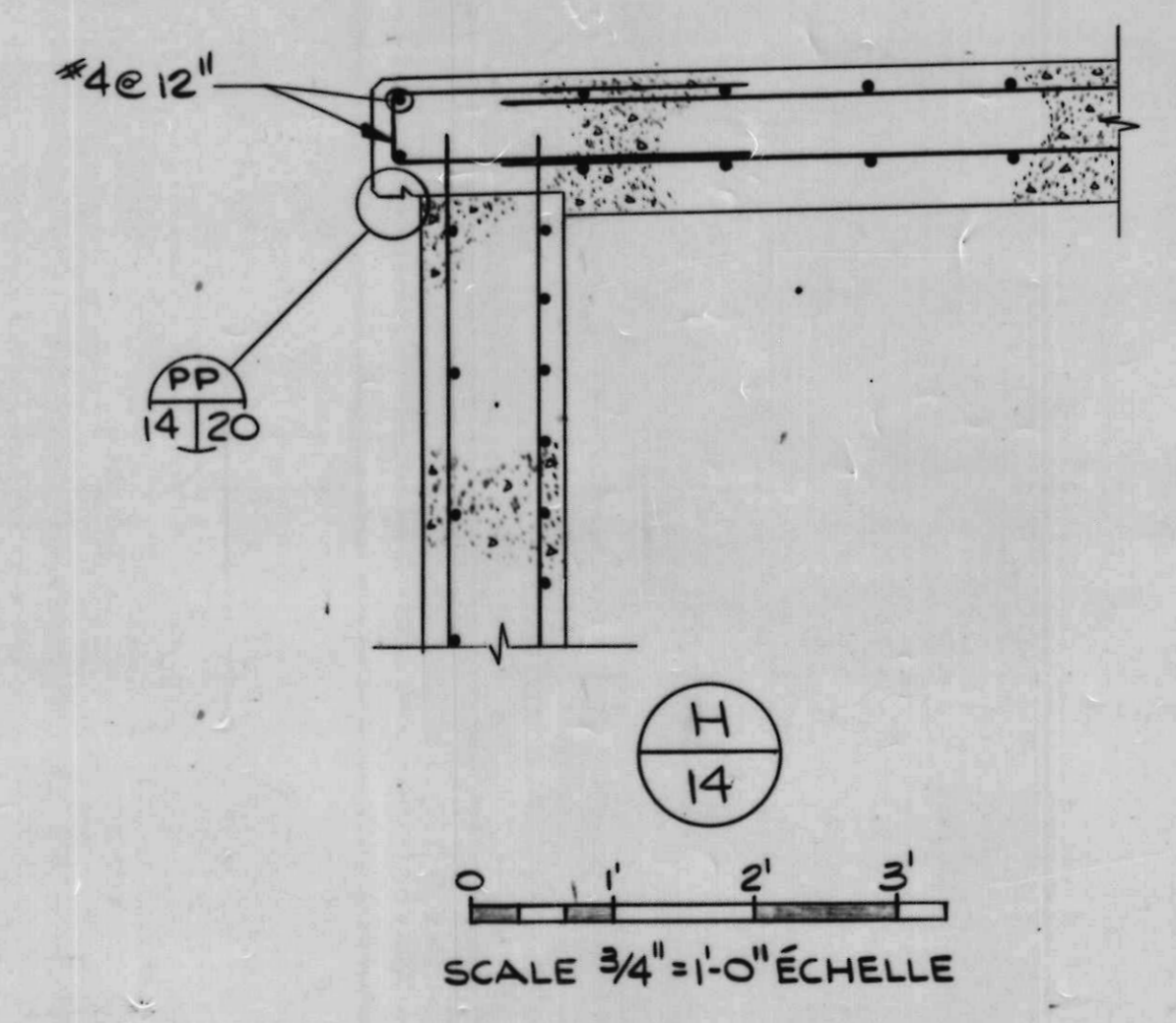
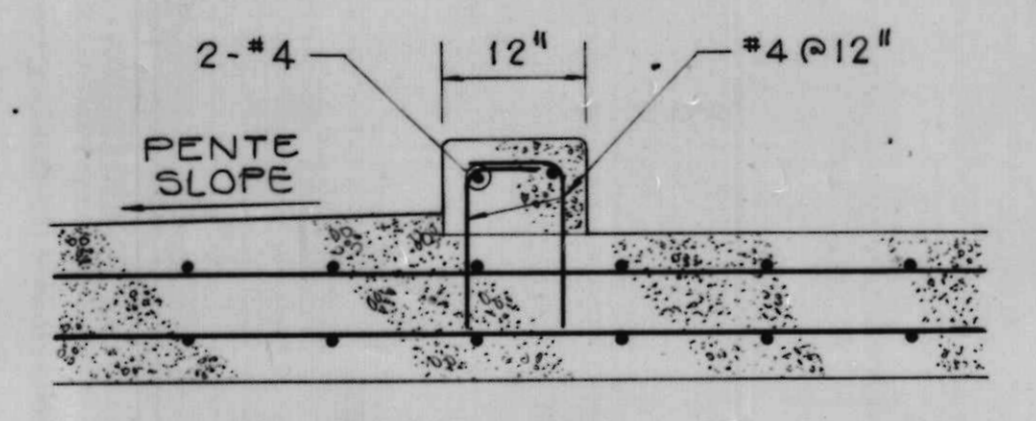
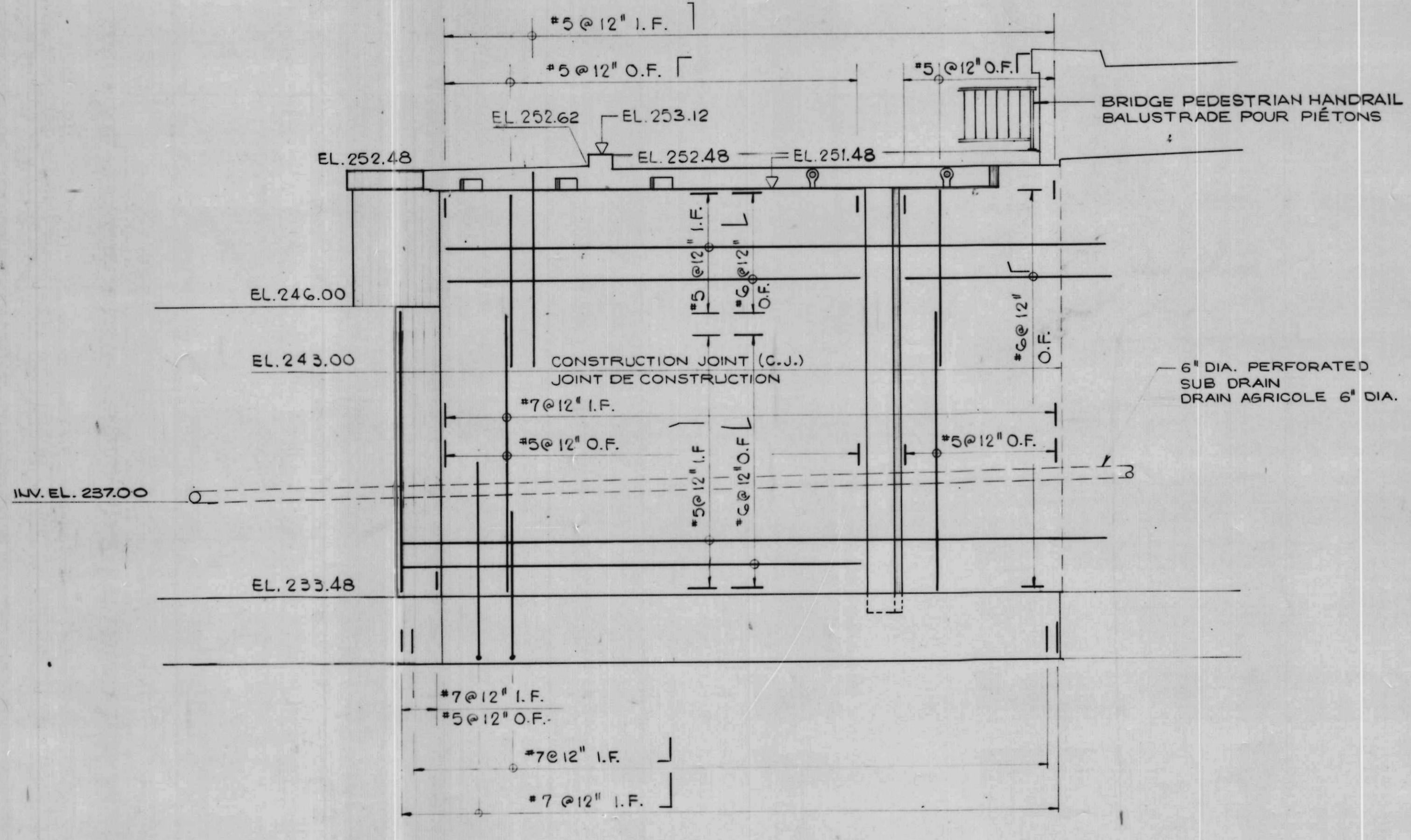
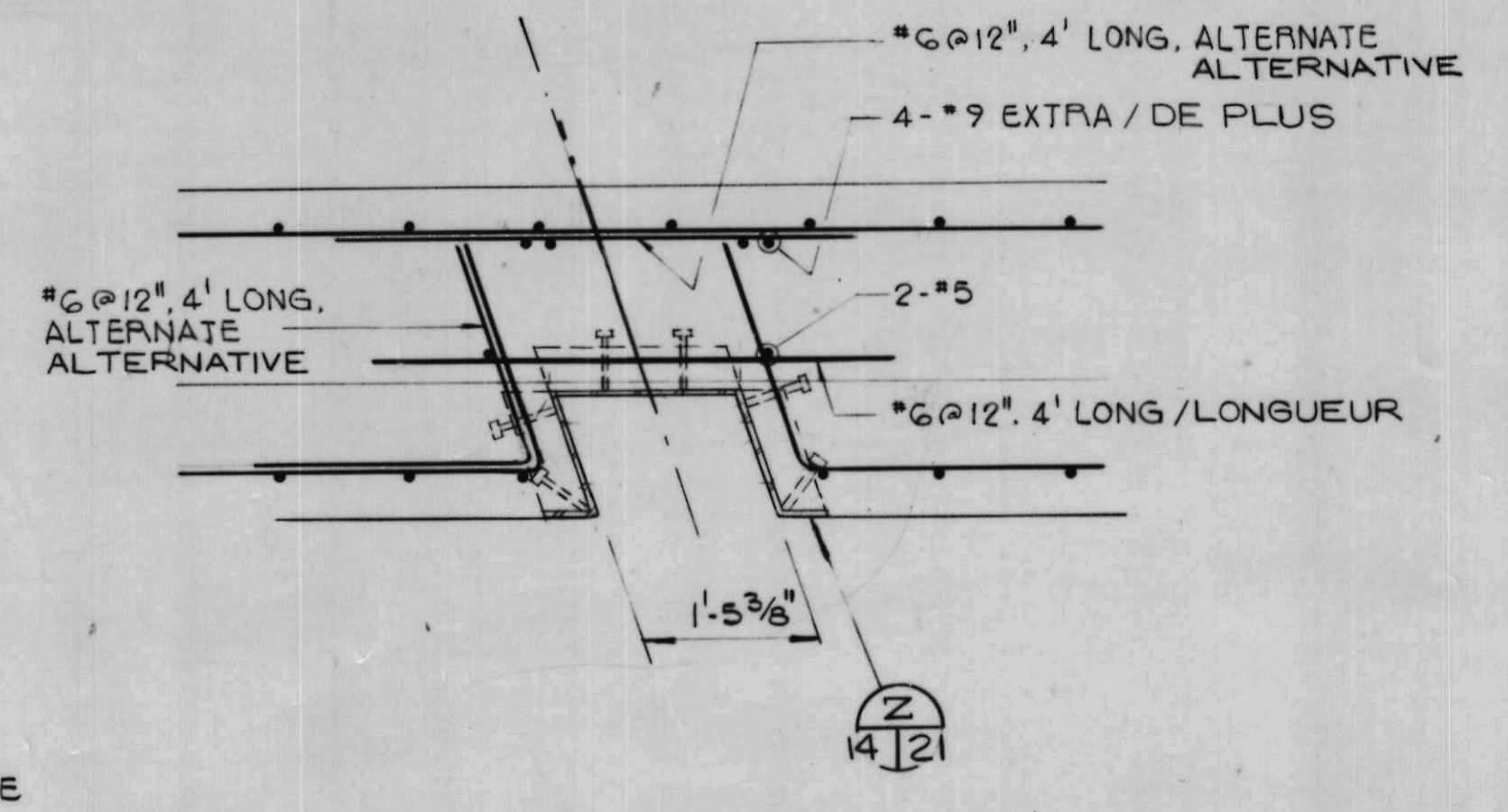
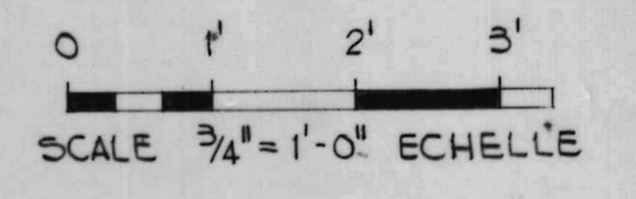
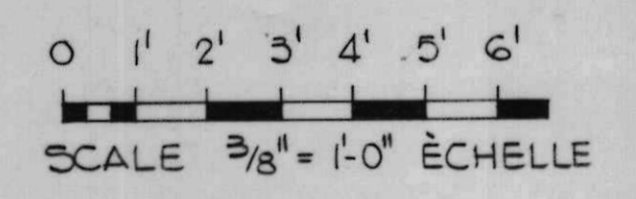
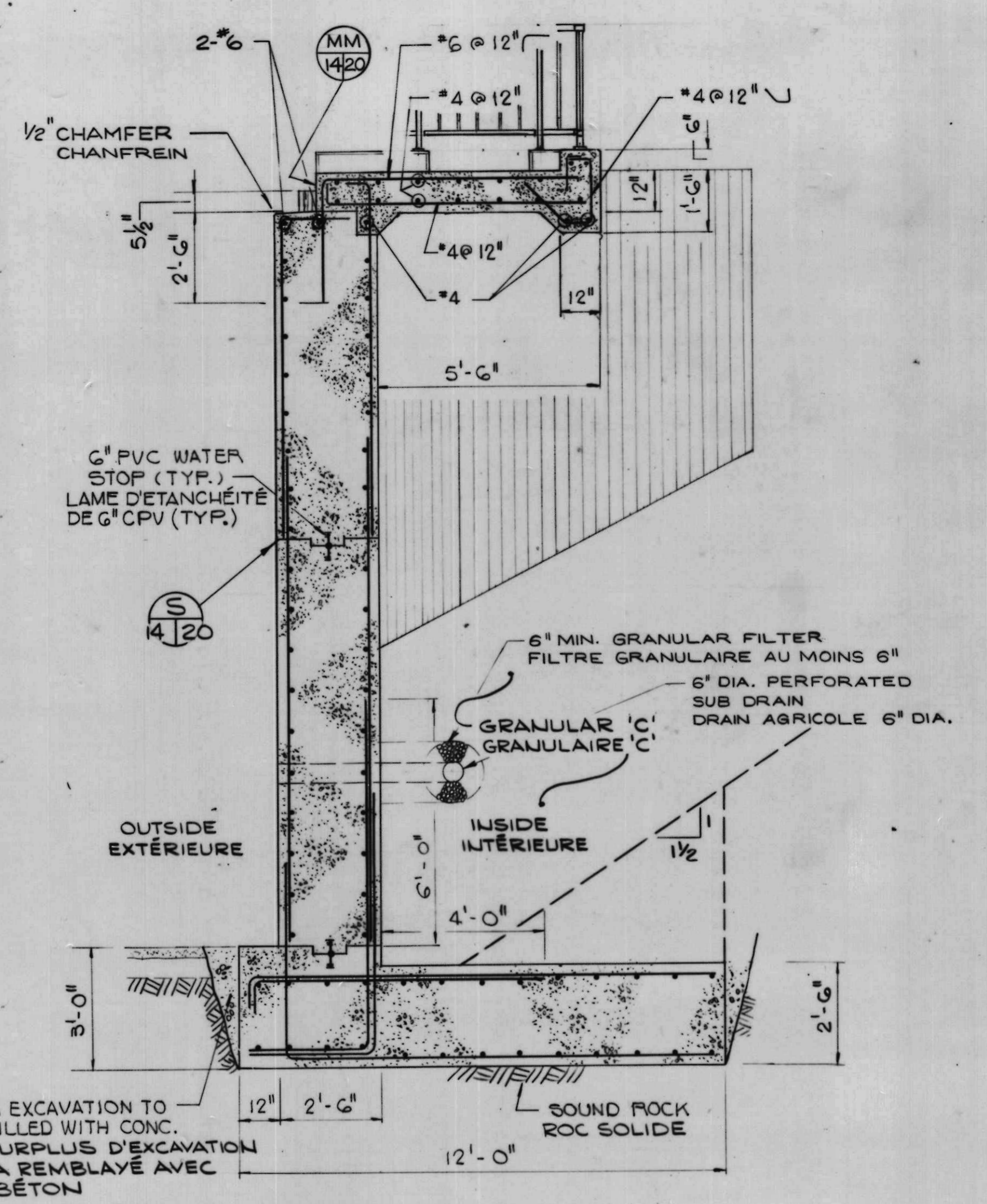
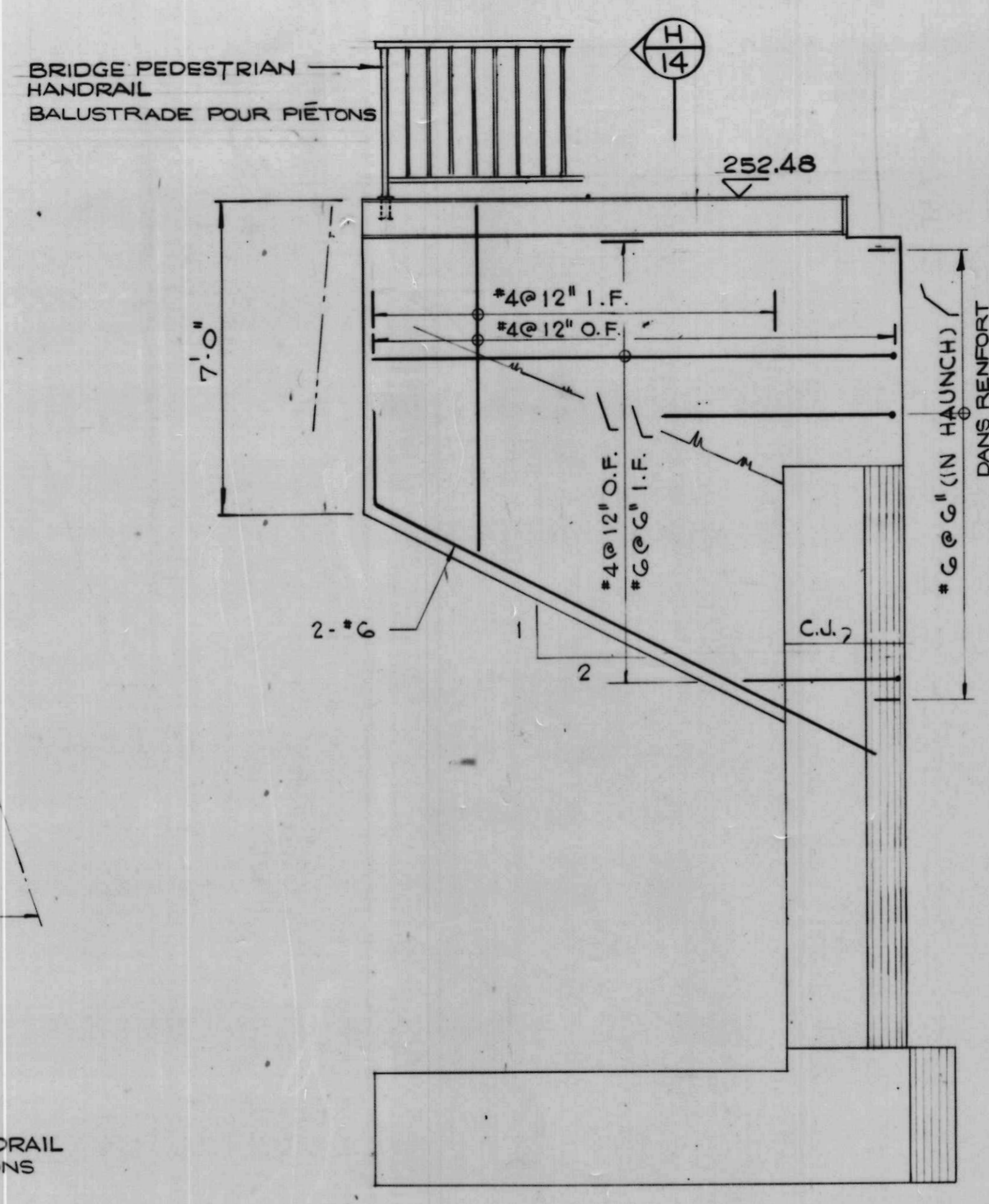
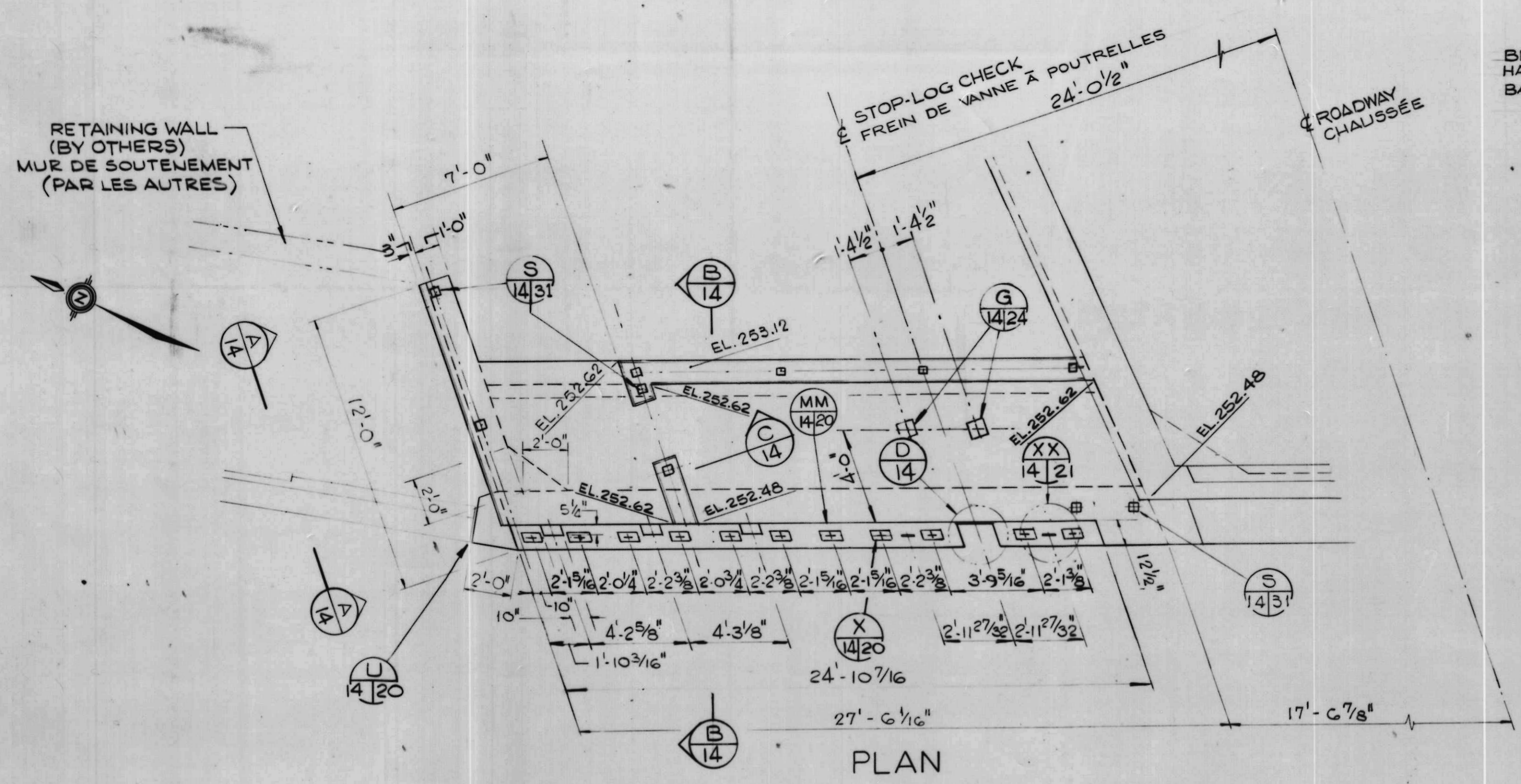
project title / titre du projet
**Rideau Canal
Hogs Back Dam
and Fixed Bridge**
**Canal Rideau
Barrage et Pont Fixe
Hogs Back**

drawing title / titre du dessin

EAST ABUTMENT OF BRIDGE

BUTÉE EST DU PONT

reference no. / no de référence
10-738
dwg no. / dessin no.
13



NOTES

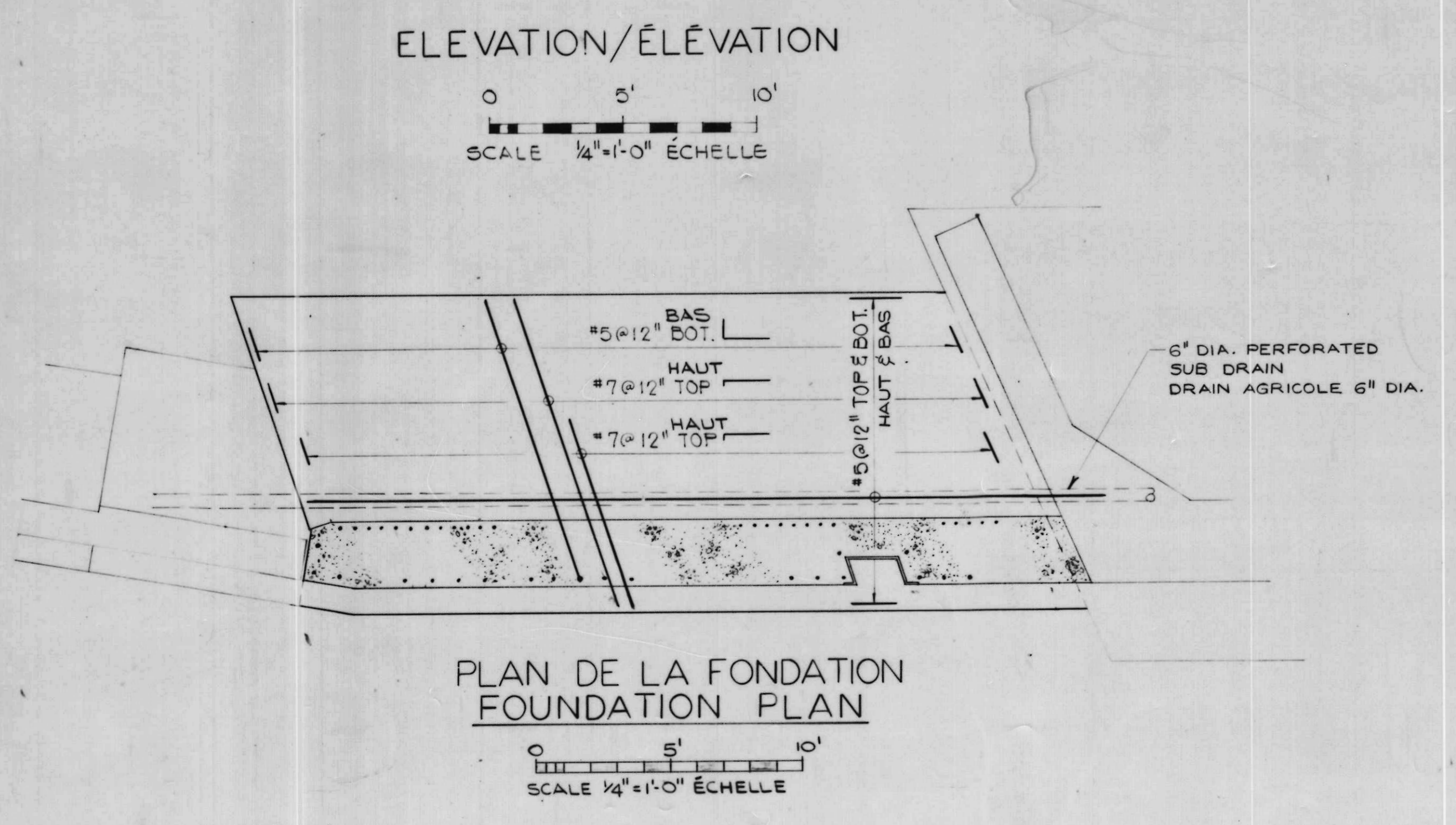
1. FOR GENERAL NOTES SEE DRWG. 2.

2. FOR FOUNDATION NOTES SEE DRWG. 5.

NOTES

VOIR DESSIN 2 POUR NOTES GÉNÉRALES.

POUR LES NOTES DE LA FONDATION, VOIR LE DESSIN 5



A	détail no.	détail no.
B	location dwg. no.	sur dessin no.
C	drawing no.	dessin no.
drawn by / tracé par		scale / échelle
H.L.K.		AS NOTED / NOTÉE
designed by / établi par		
L.W.		
checked by / vérifié par		

job captain / chef du projet	date
J.R.	JUNE 30 JUN, 1976
responsible officer / officier responsable	date
H.G.	JUNE 30 JUN, 1976

project title / titre du projet

Rideau Canal

Hogs Back Dam

and Fixed Bridge

Canal Rideau

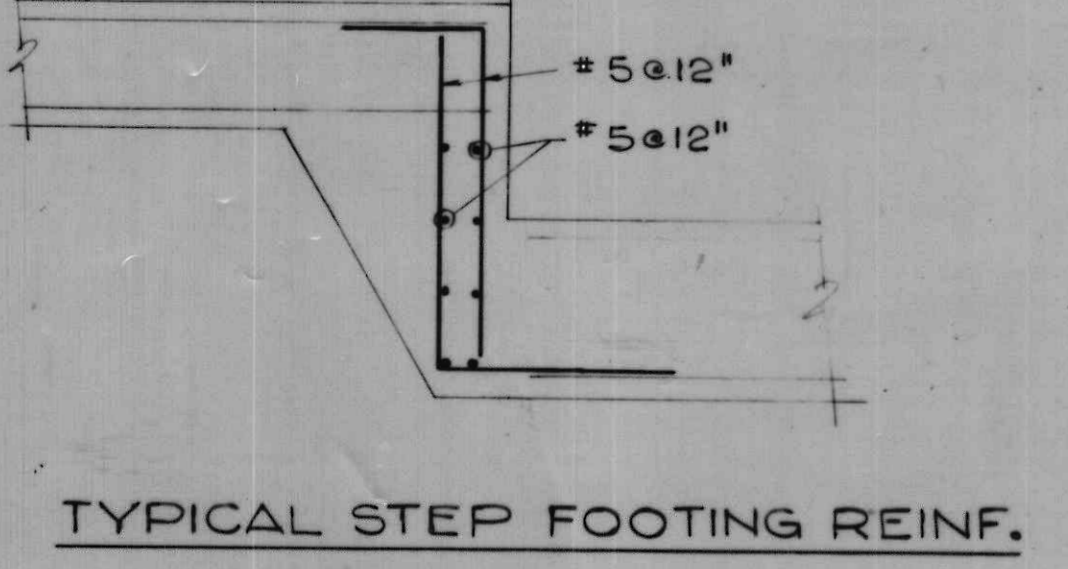
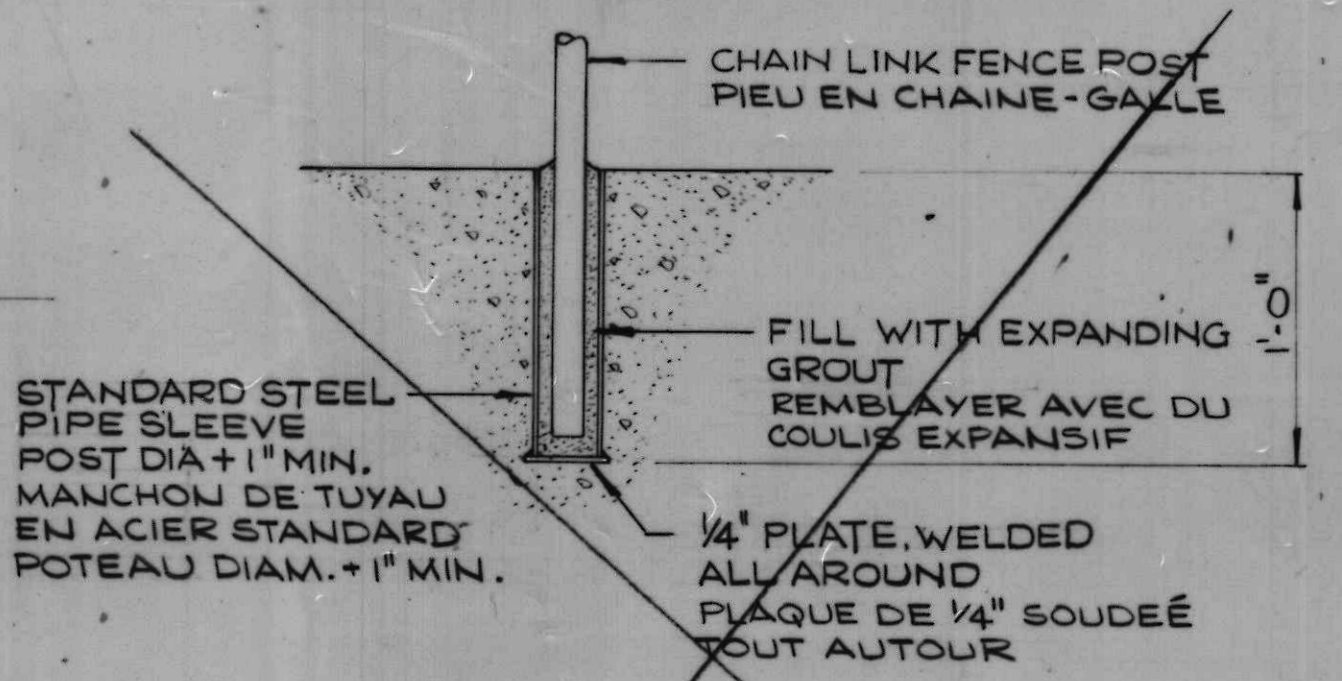
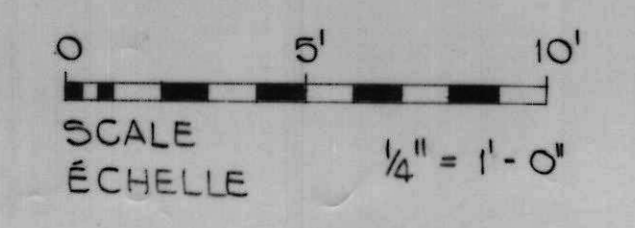
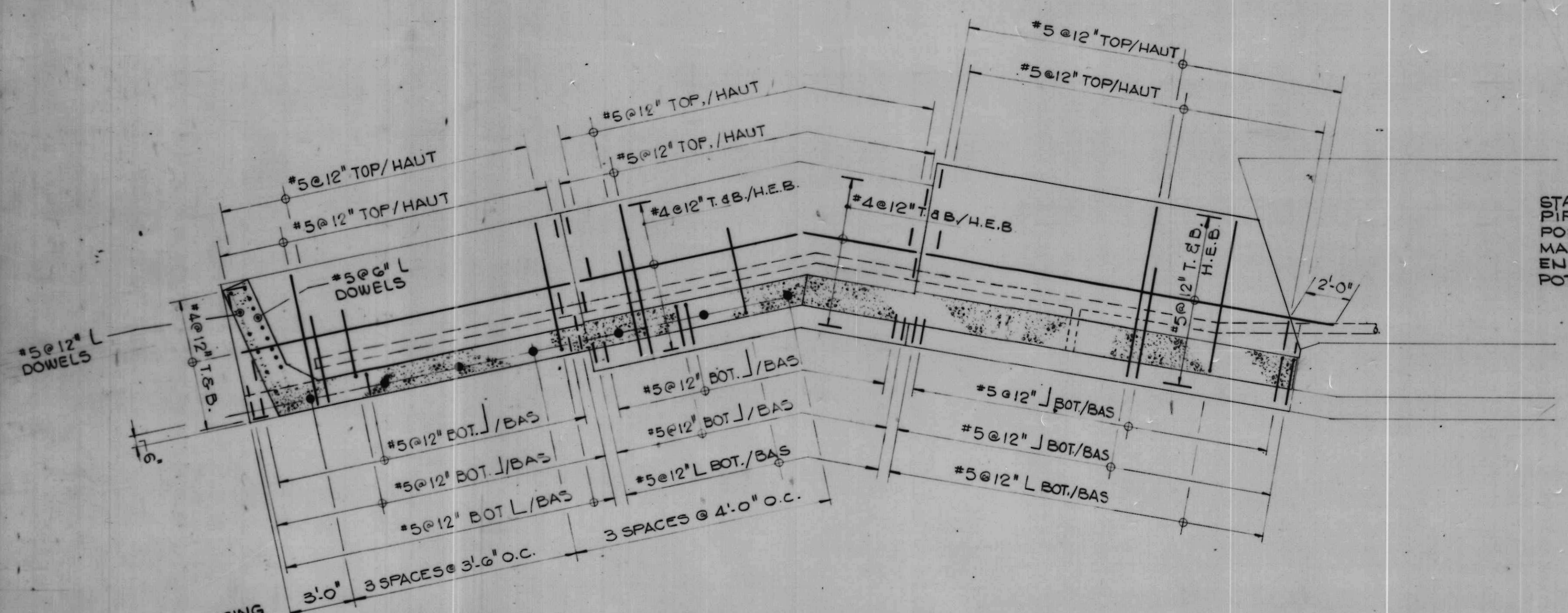
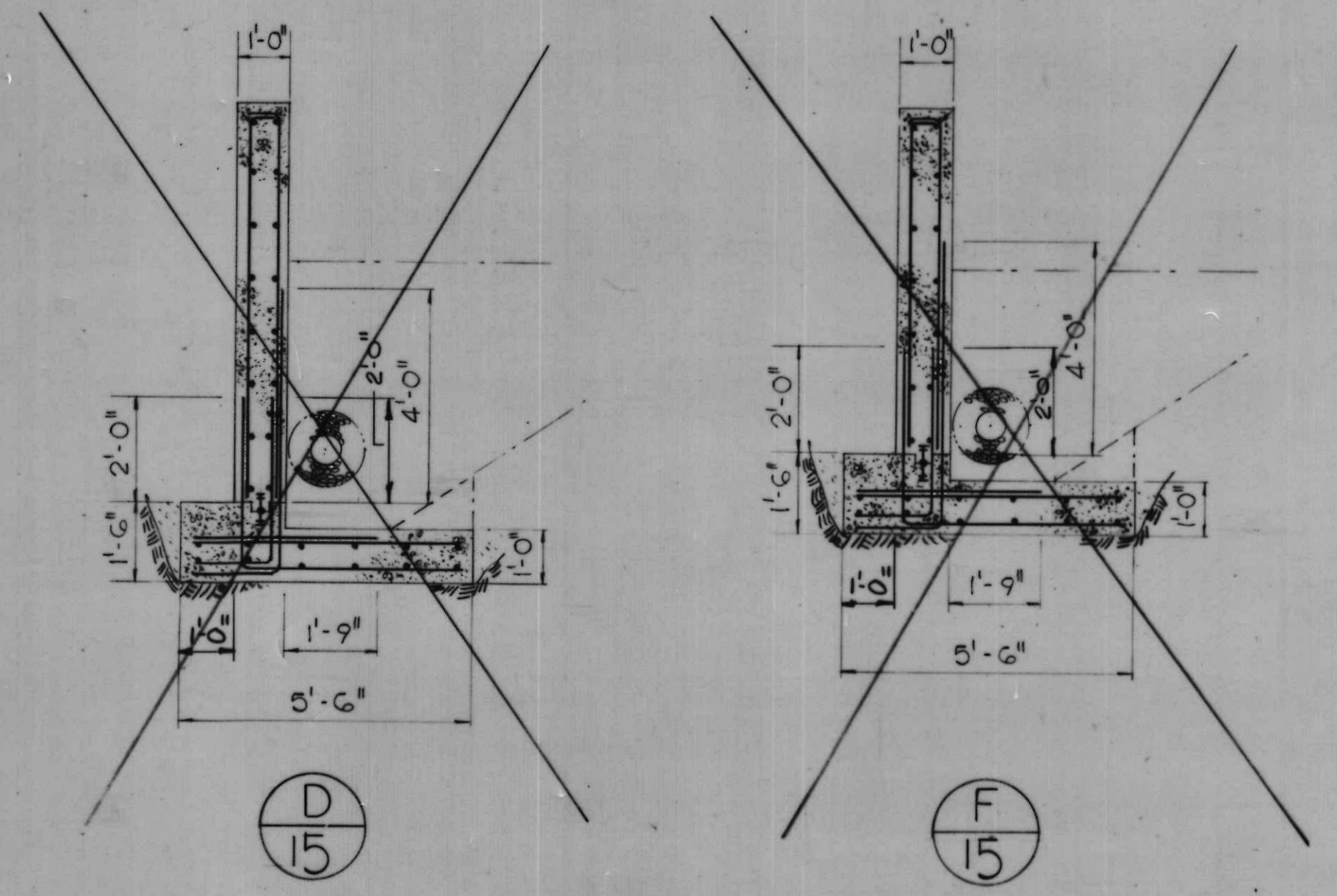
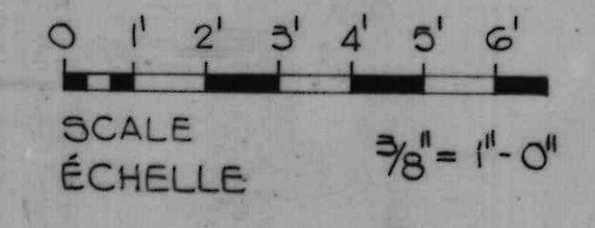
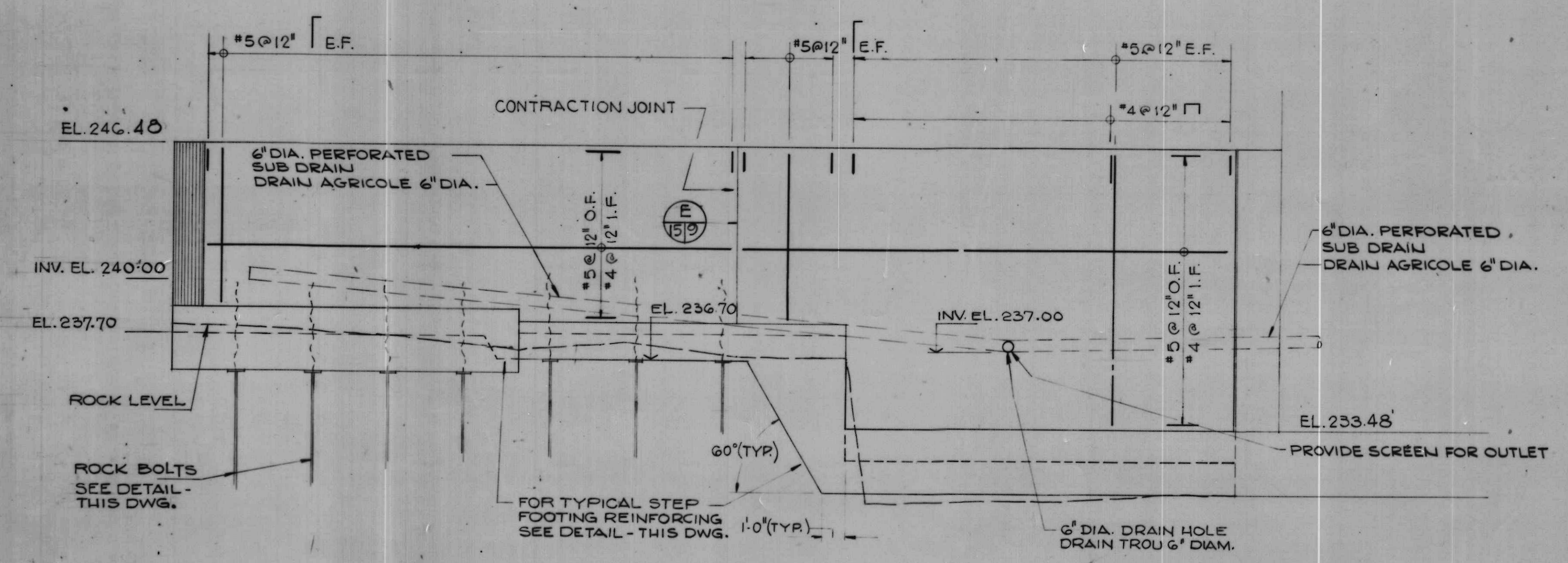
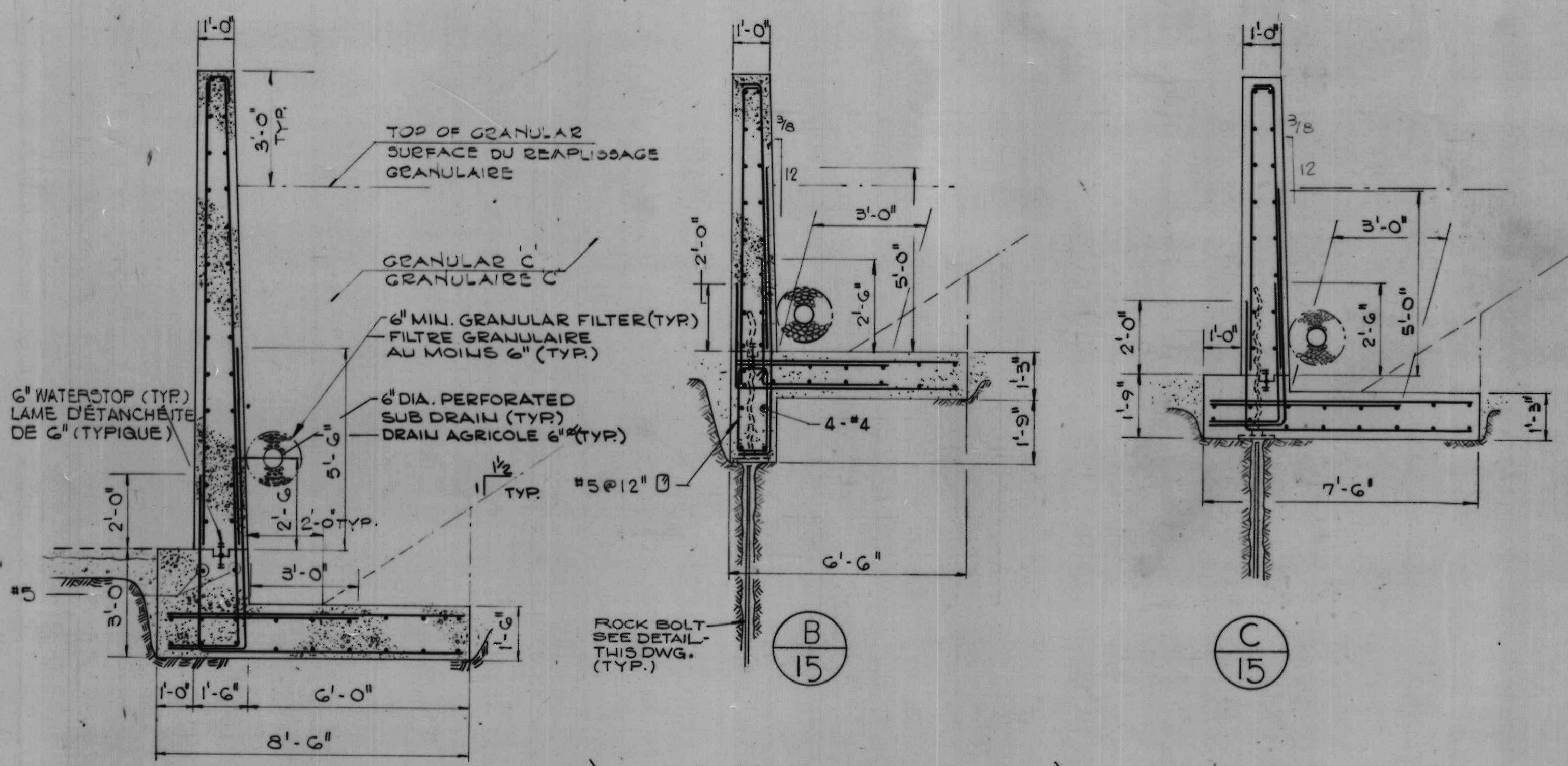
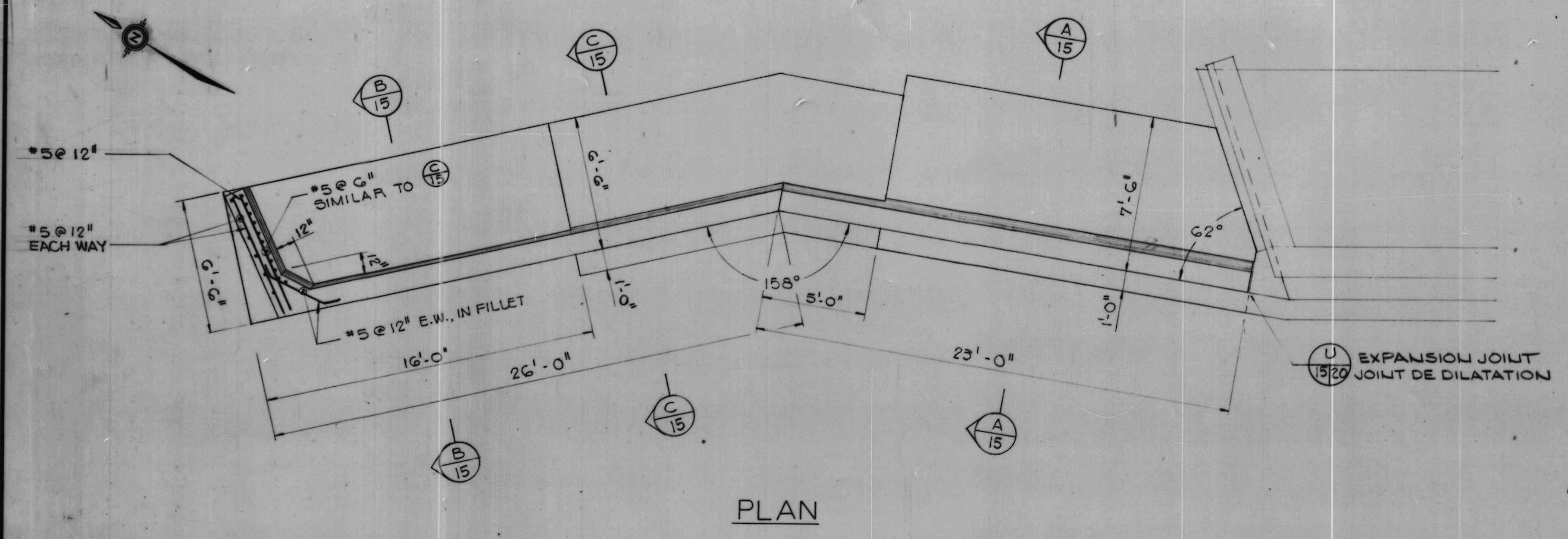
Sarrage et Pont Fixe

Hogs Back

drawing title / titre du dessin

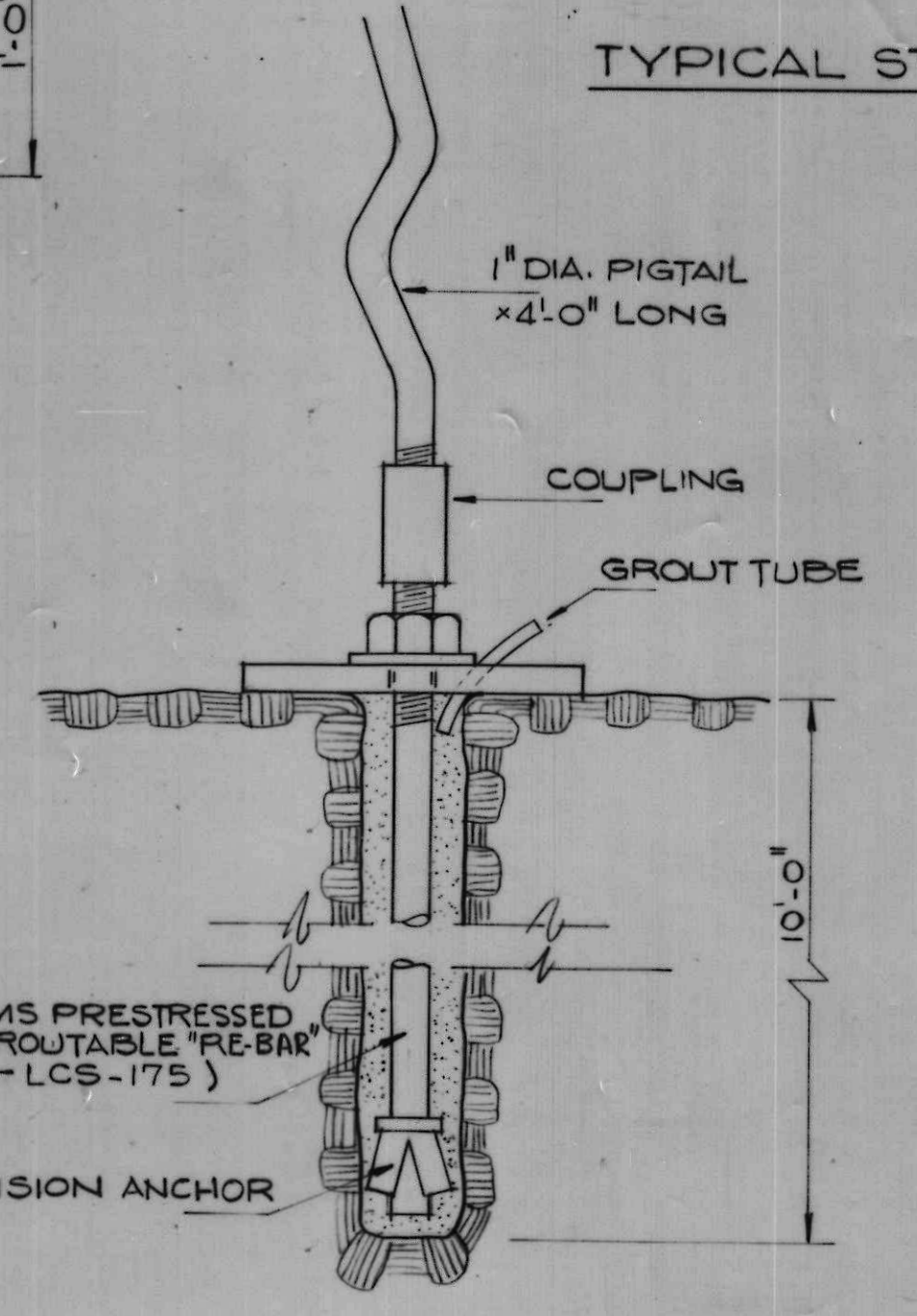
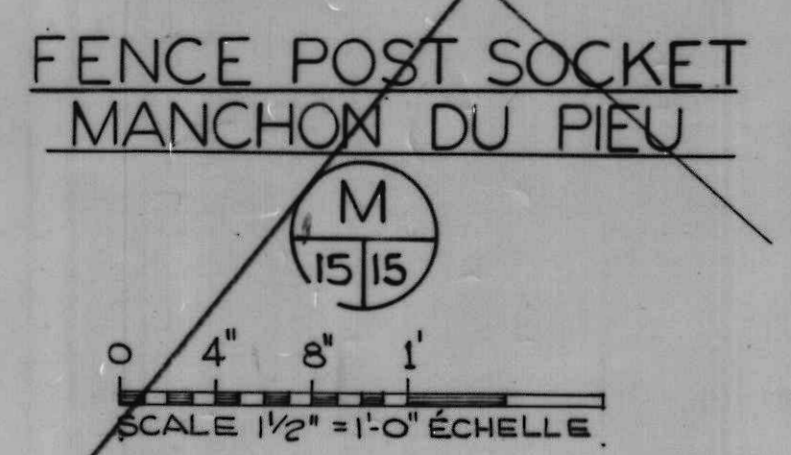
EAST ABUTMENT OF DAM

BUTÉE EST DU BARRAGE



NOTES

- FOR GENERAL NOTES SEE DRWG. 2.
- FOR FOUNDATION NOTES SEE DRWG. 5.



NOTES

- VOIR DESSIN 2 POUR NOTES GÉNÉRALES.
- POUR LES NOTES DE LA FONDATION VOIR LE DESSIN 5

A	detail no.	détail no.
B	location dwg. no.	sur dessin no.
C	drawing no.	dessin no.

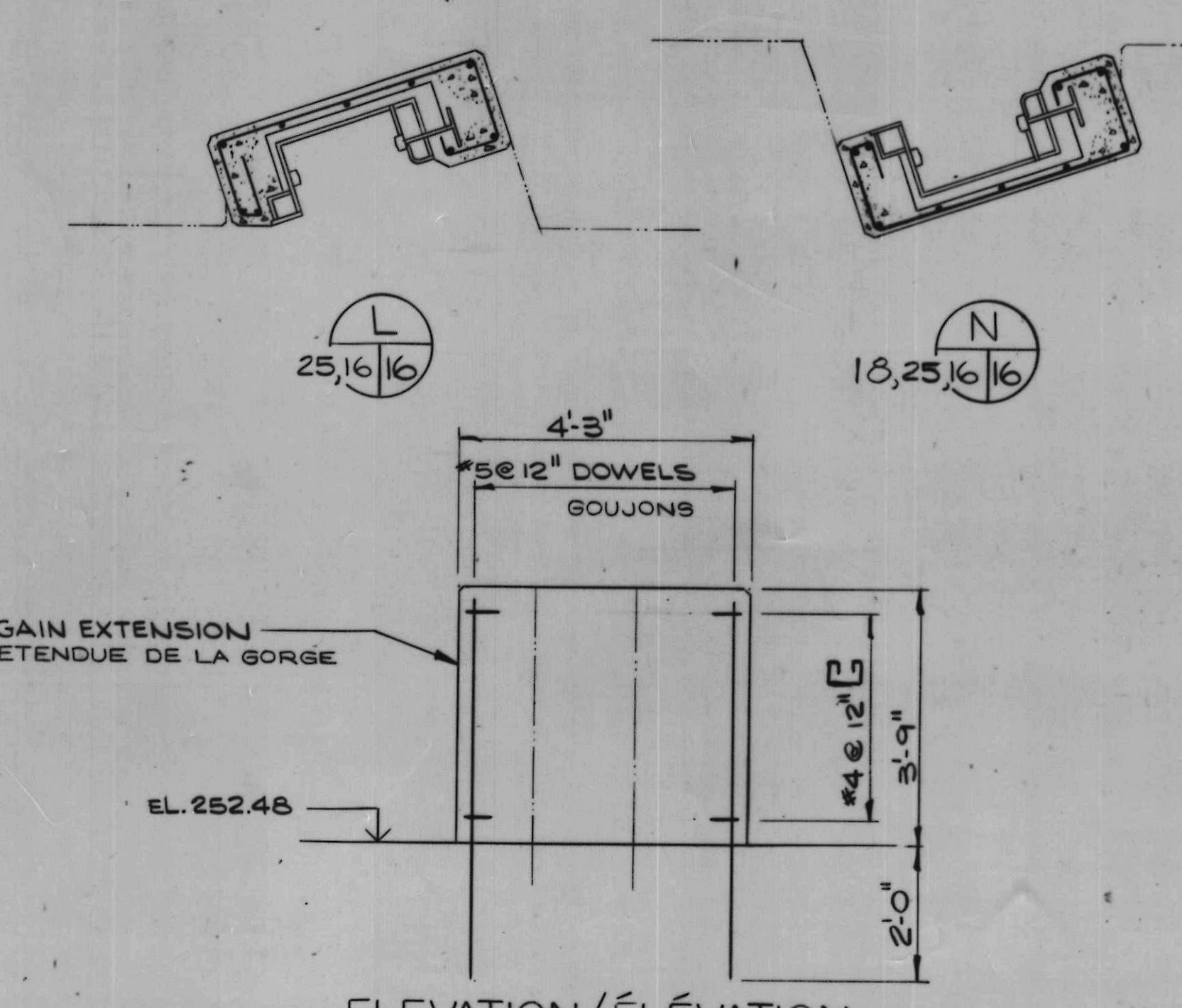
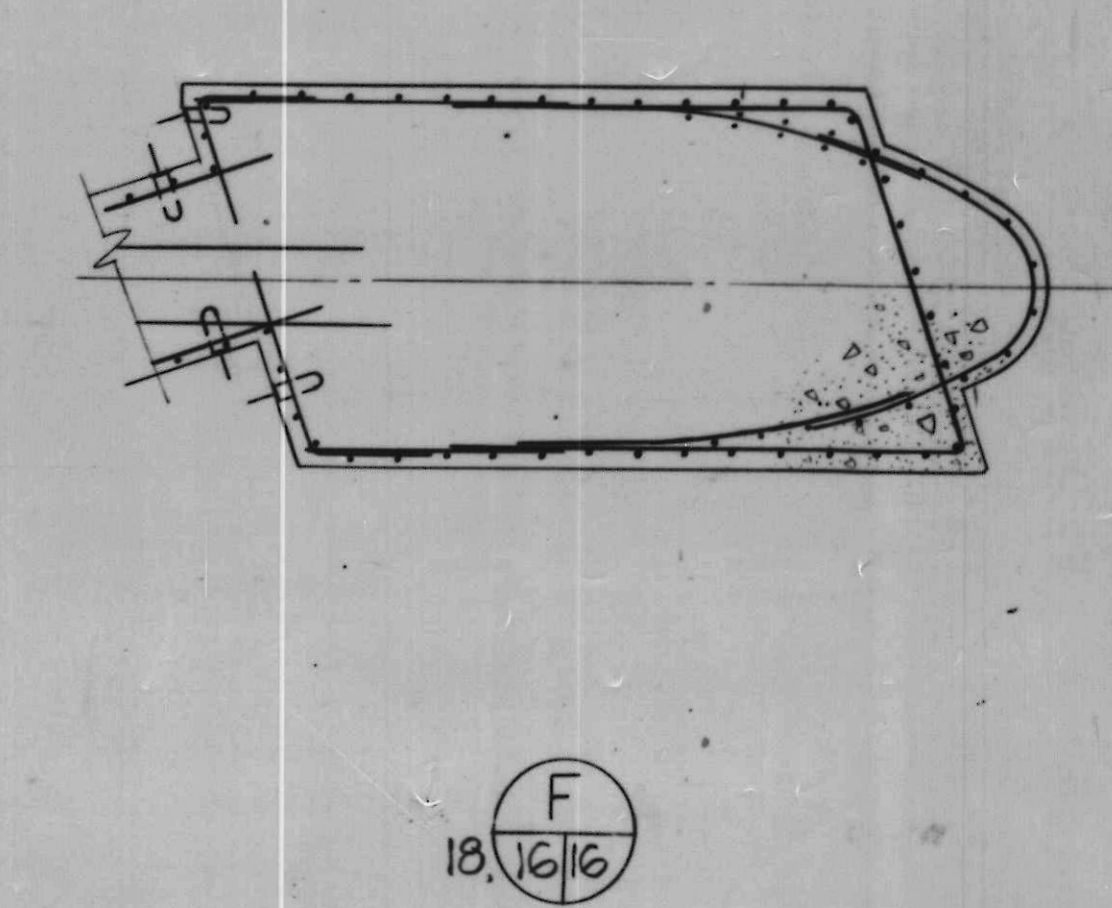
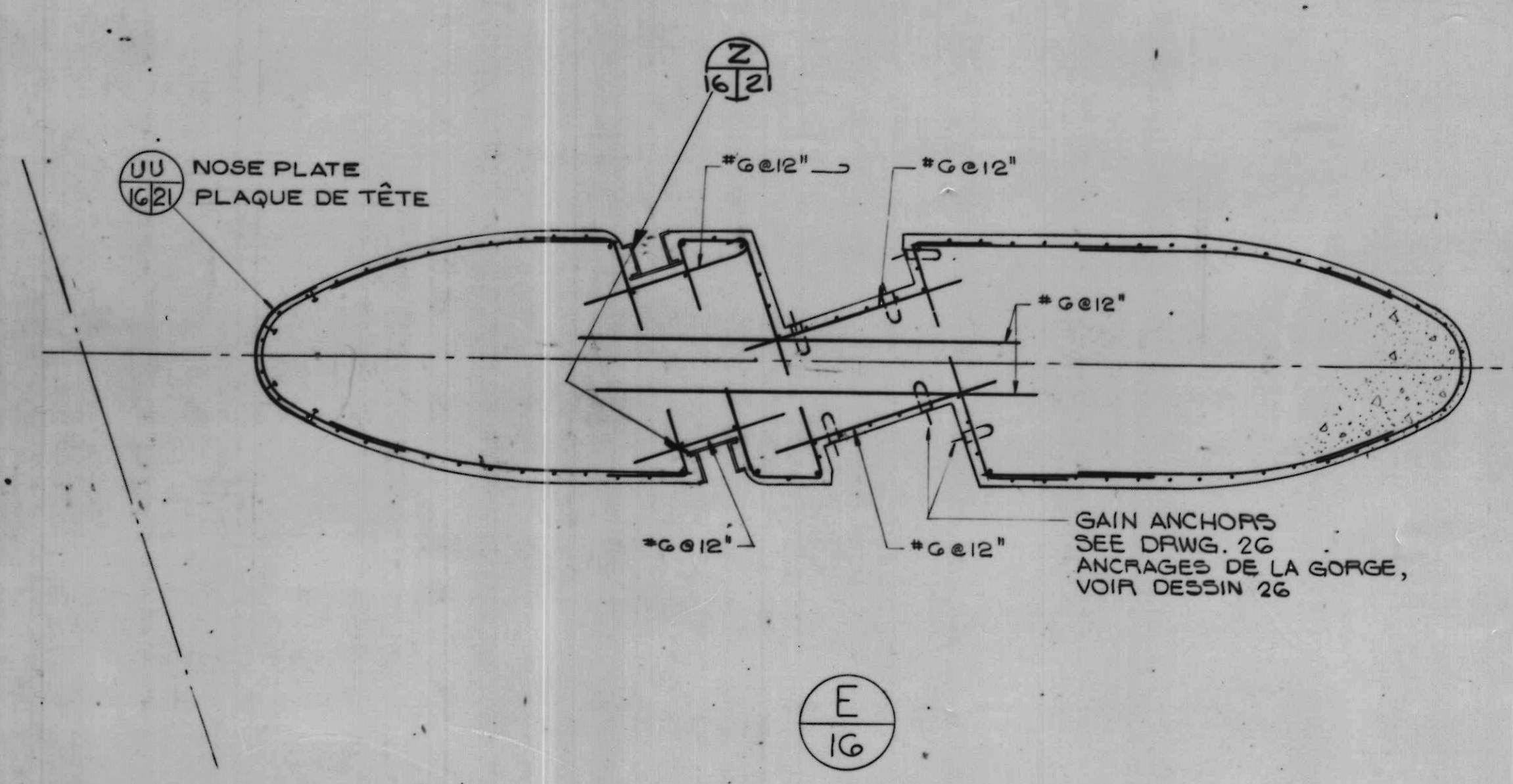
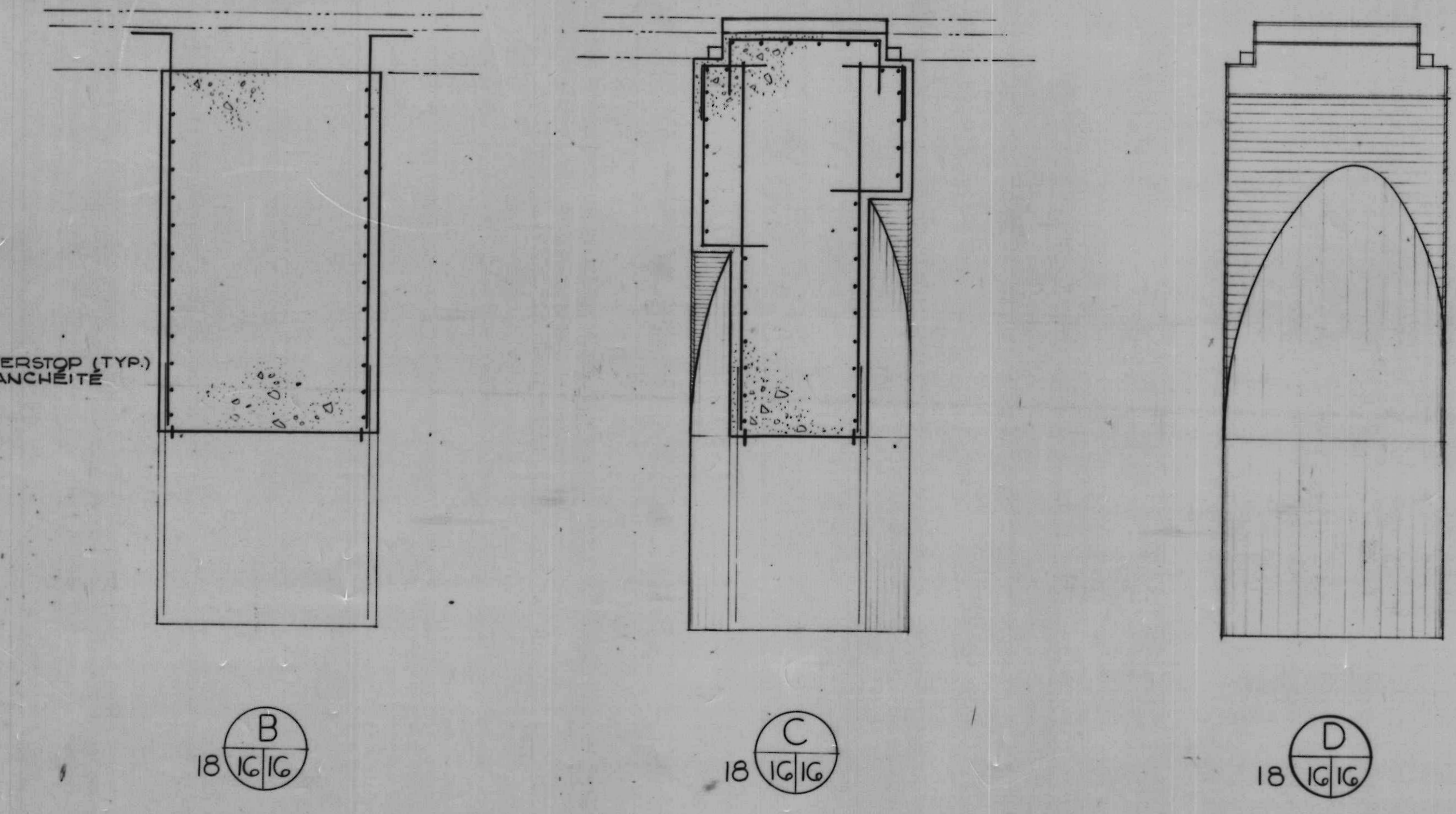
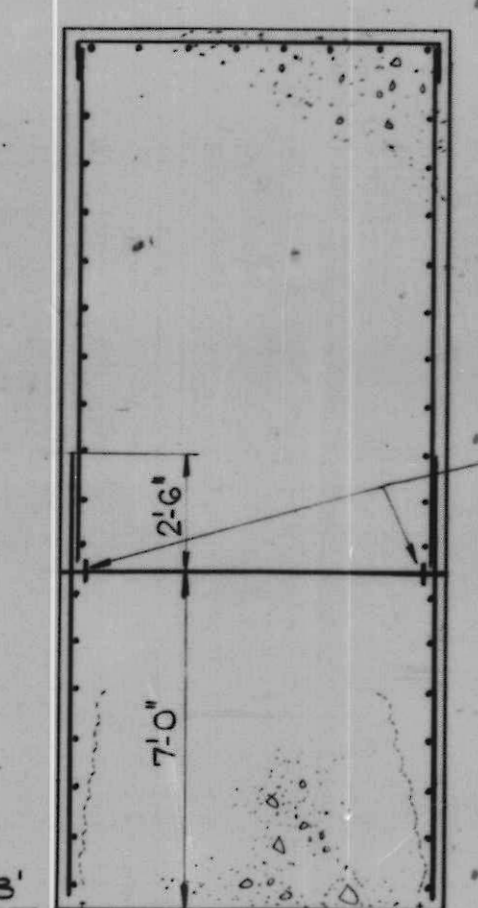
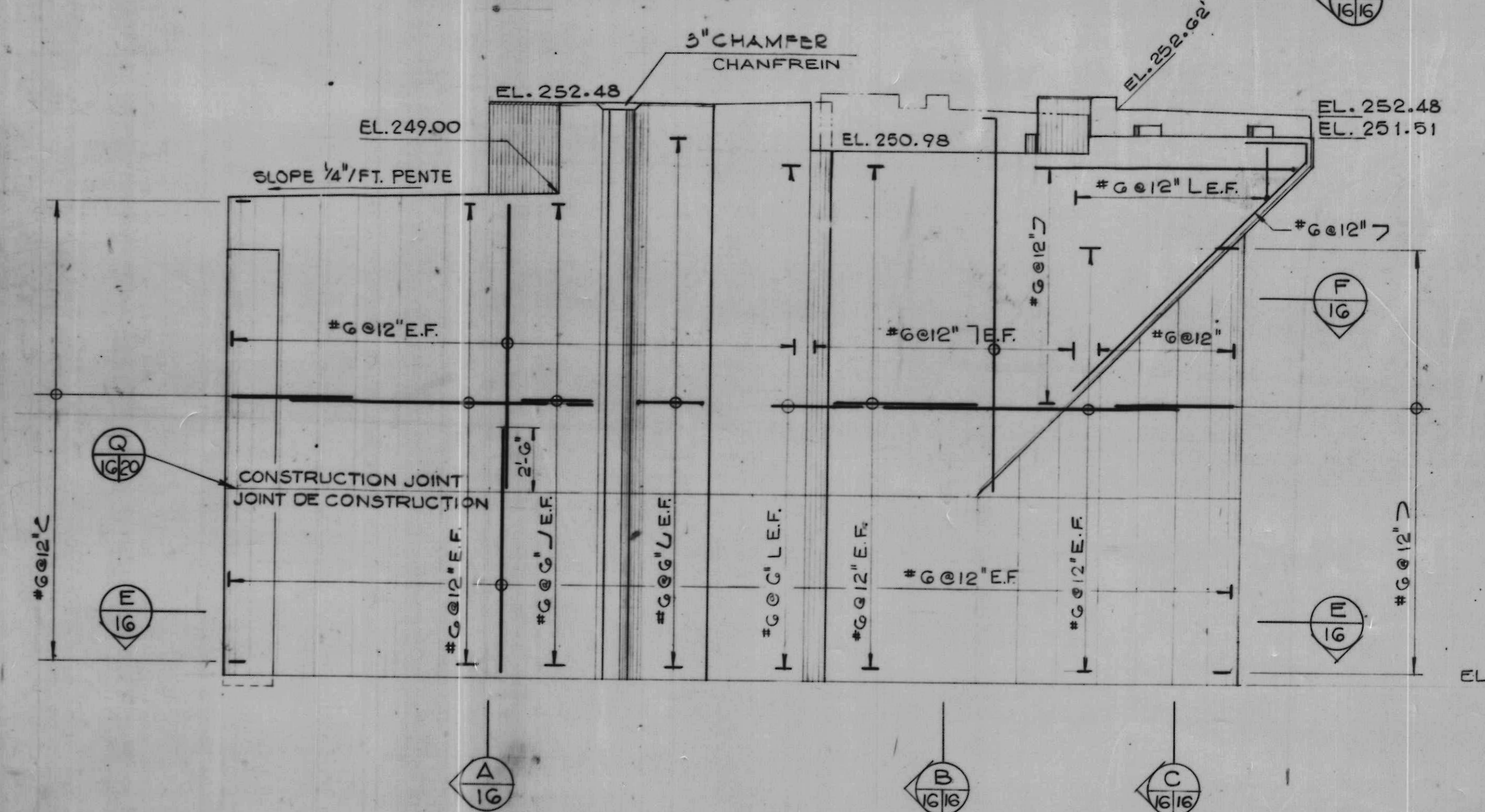
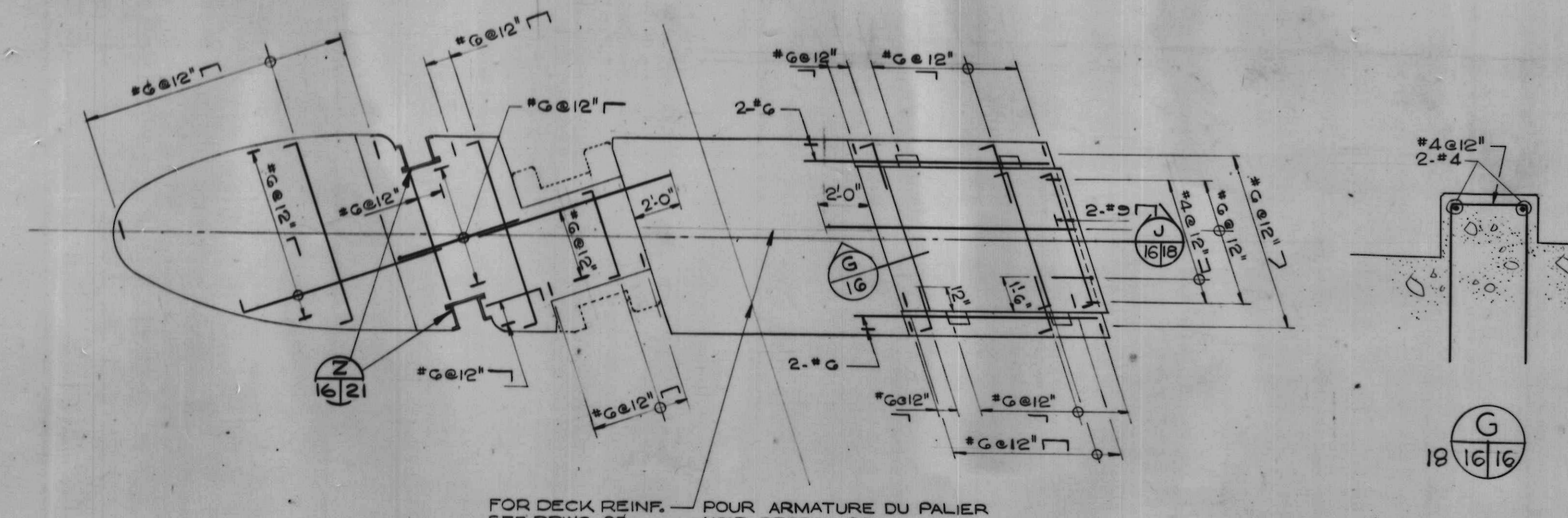
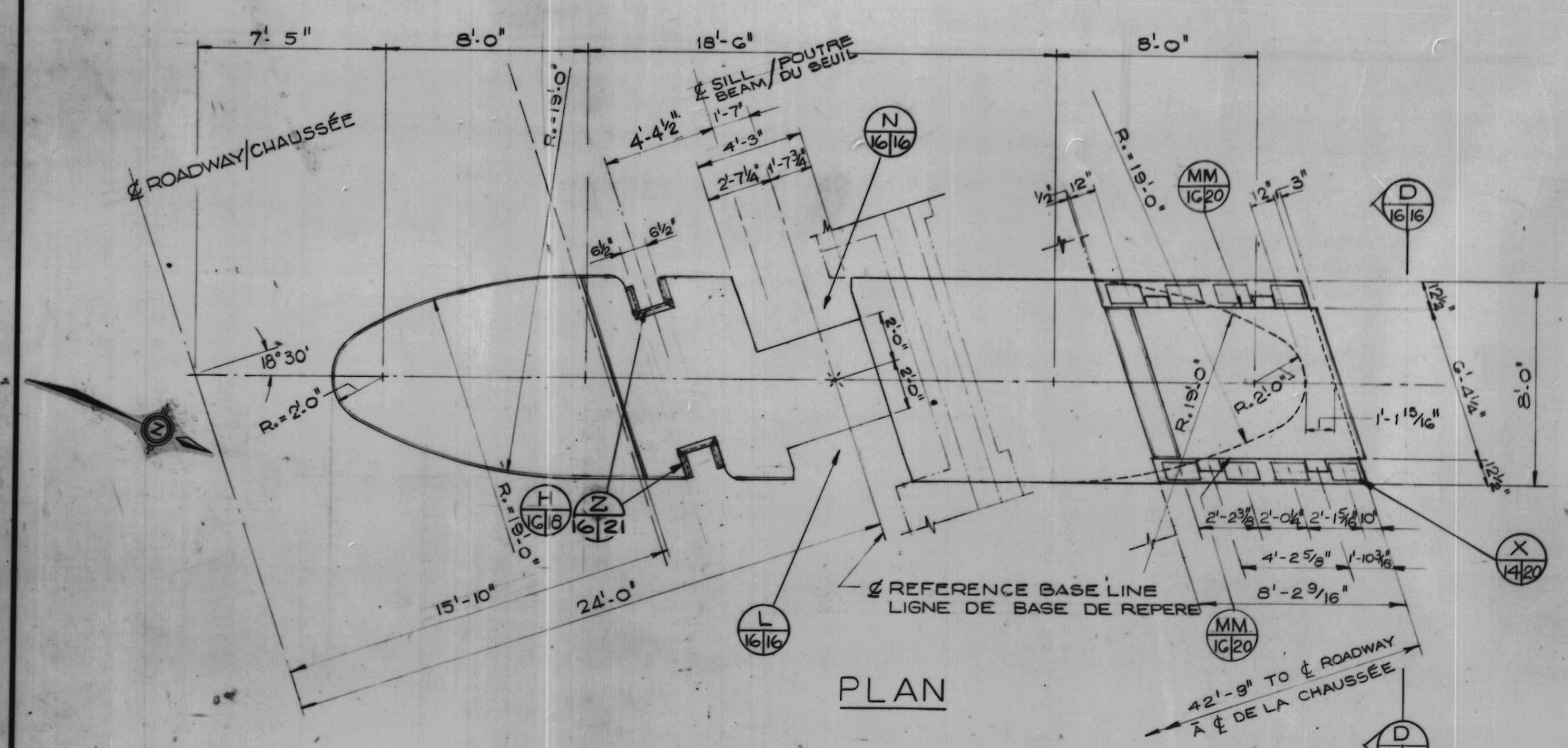
drawn by / tracé par H.L.K.
 scale / échelle AS NOTED / NOTÉE
 designed by / établi par L.W.
 checked by / vérifié par

Job captain / chef du projet J.R. date JUNE 30 JUN, 1976
 responsible officer / officier responsable H.G. date JUNE 30 JUN, 1976

project title / titre du projet
Rideau Canal Hogs Back Dam and Fixed Bridge
Canal Rideau Barrage et Pont Fixe Hogs Back

drawing title / titre du dessin
NORTH EAST RETAINING WALL
MUR DE RETENUE NORD-EST

reference no. / no de référence 10-738
 dwg no. / dessin no 15

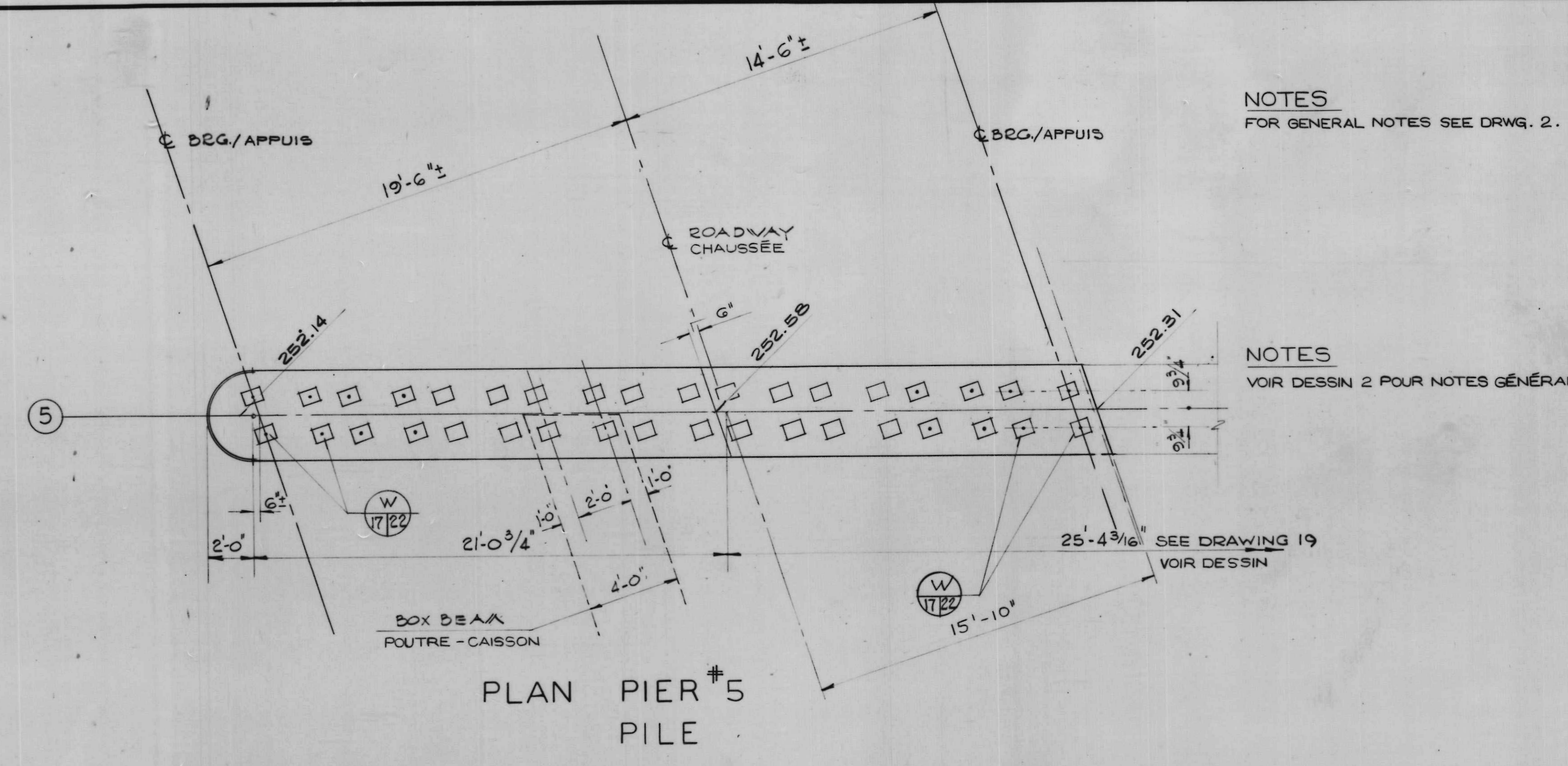
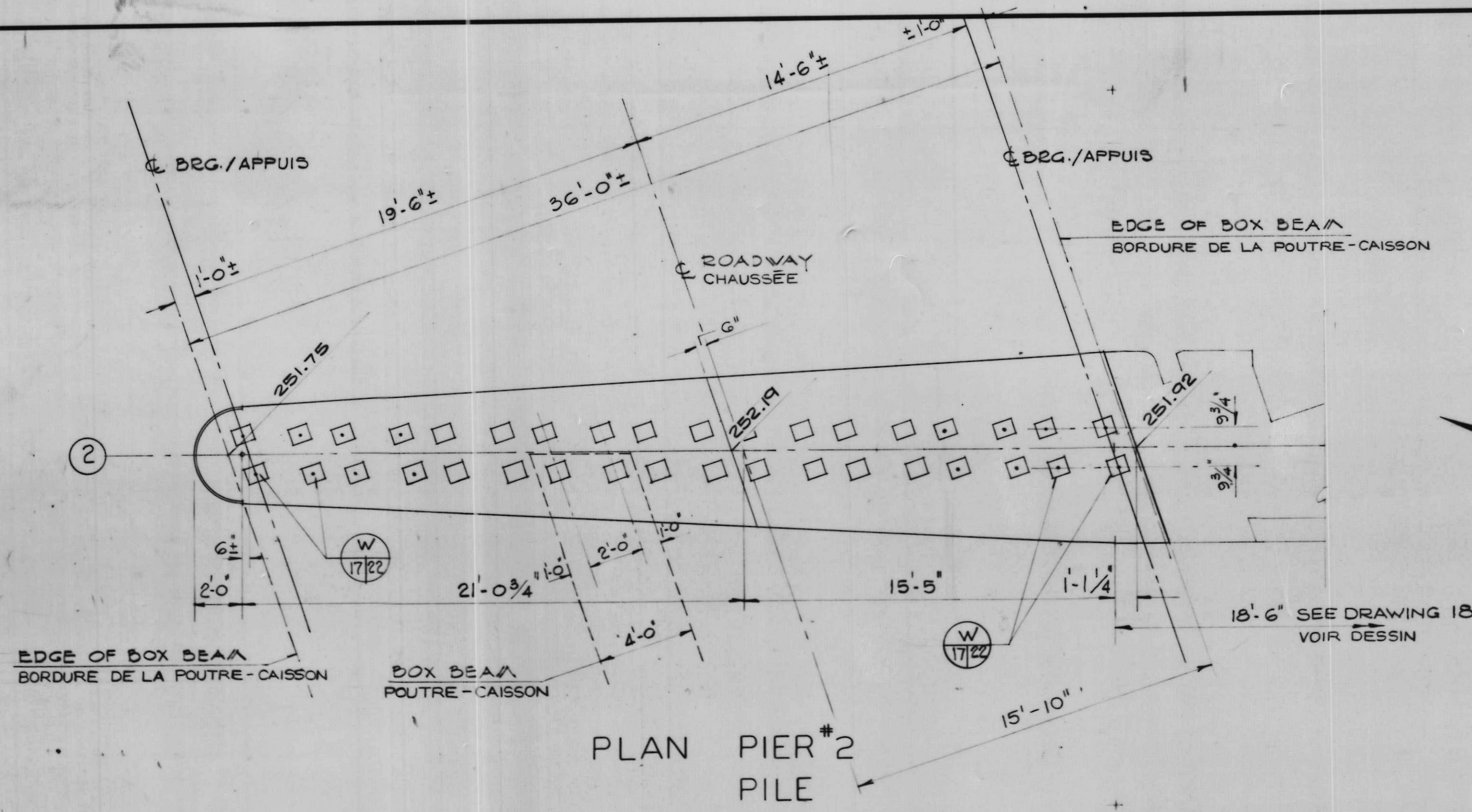


NOTES
FOR GENERAL NOTES SEE DRWG. 2.

NOTES
VOIR DESSIN 2 POUR NOTES GÉNÉRALES

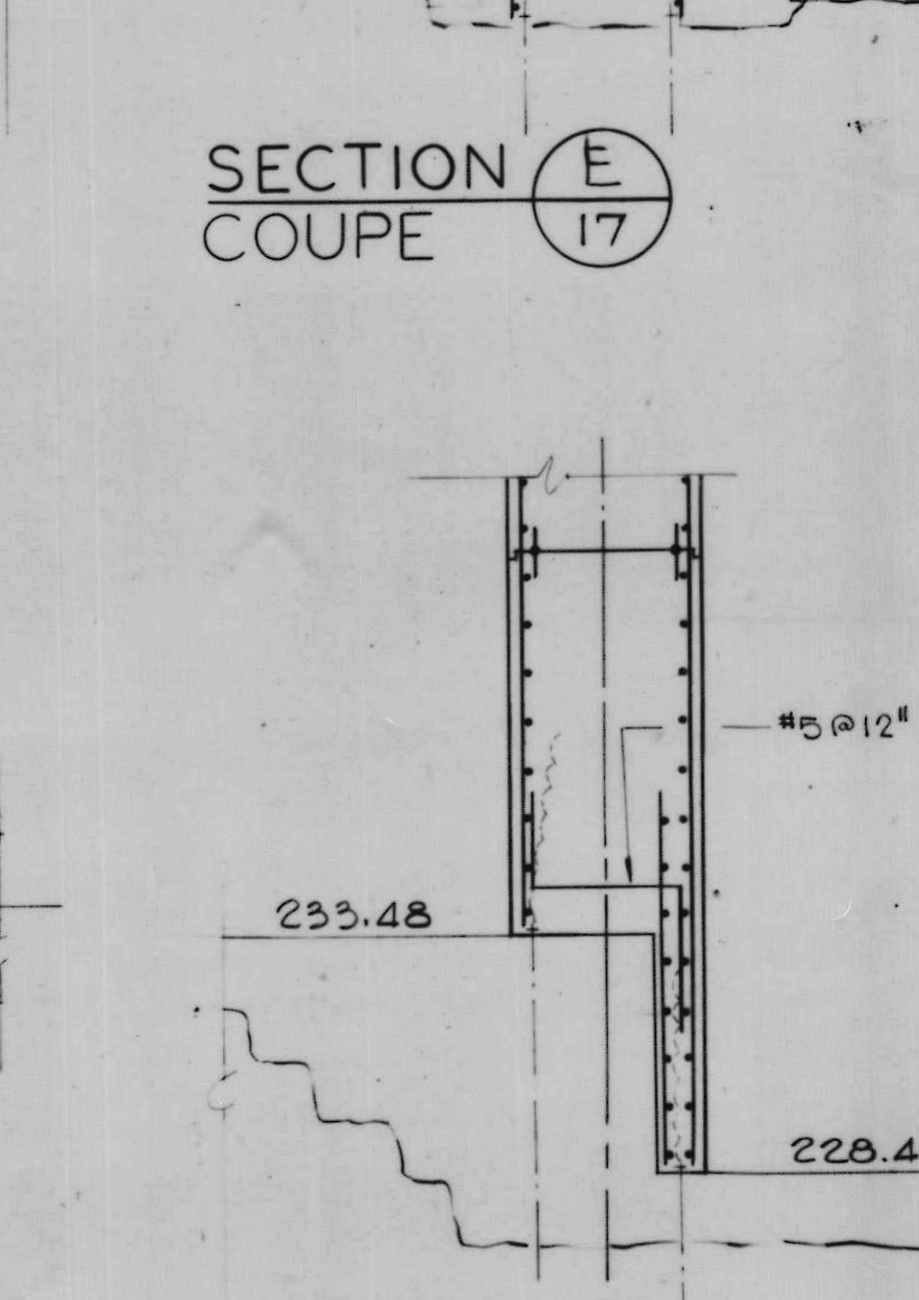
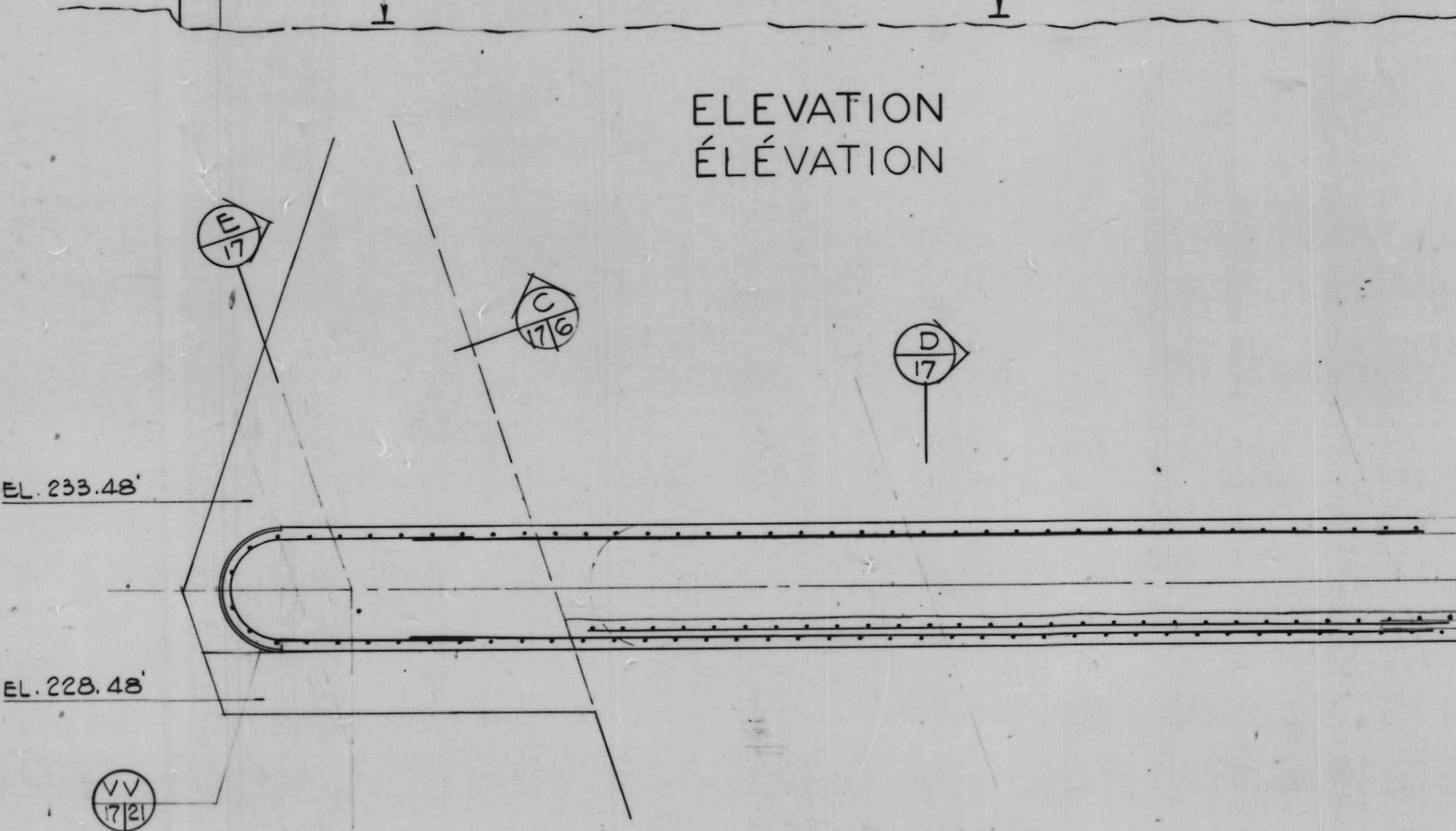
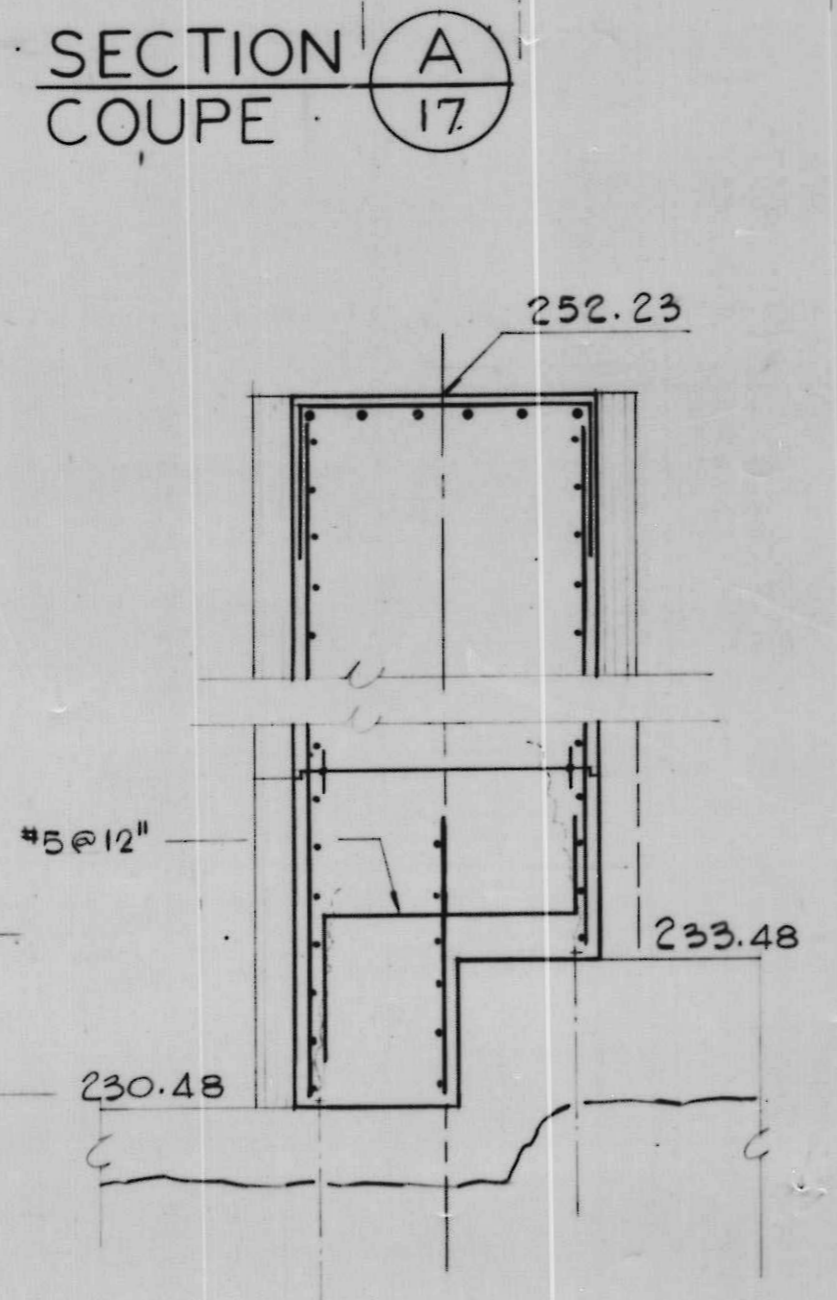
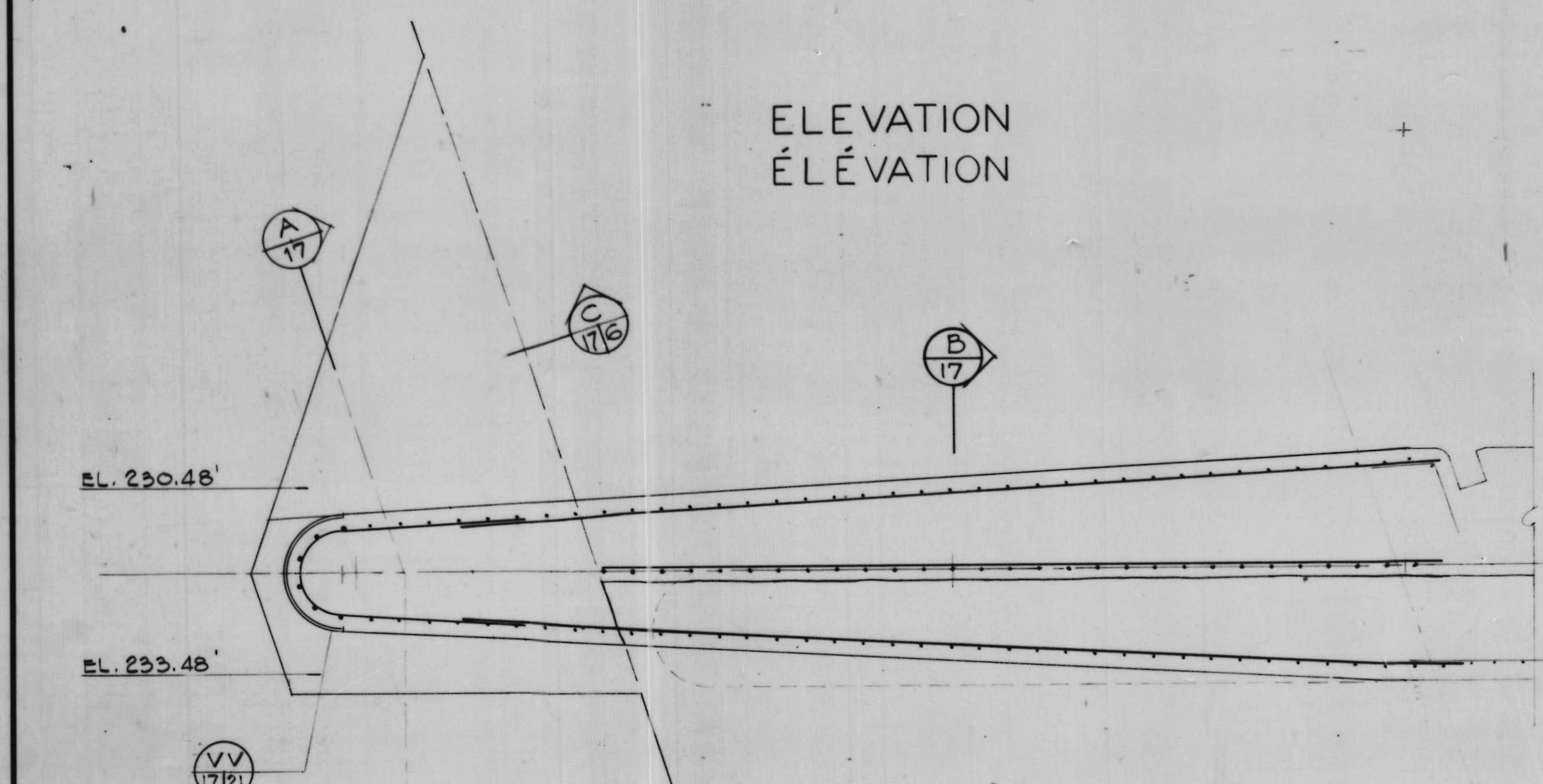
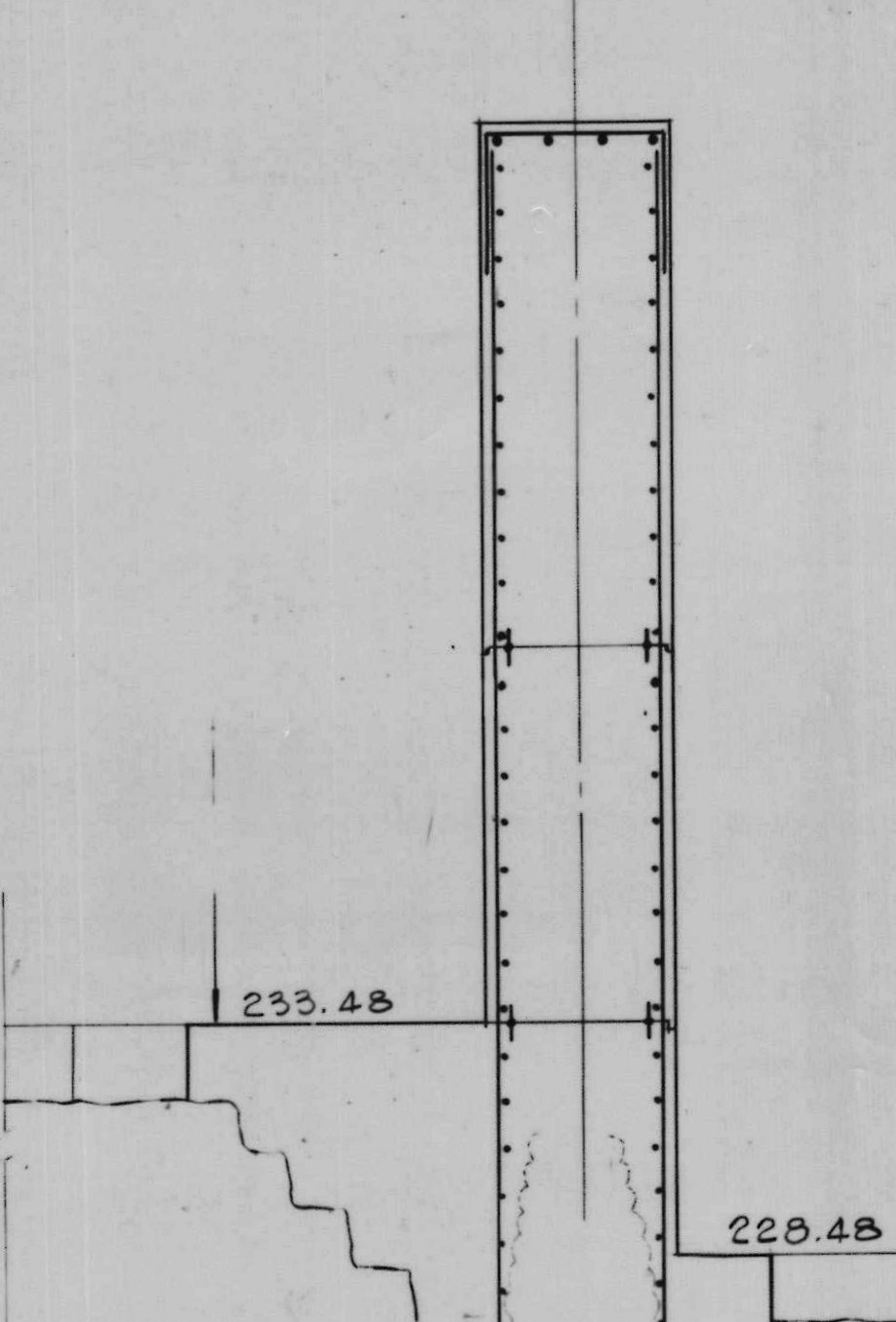
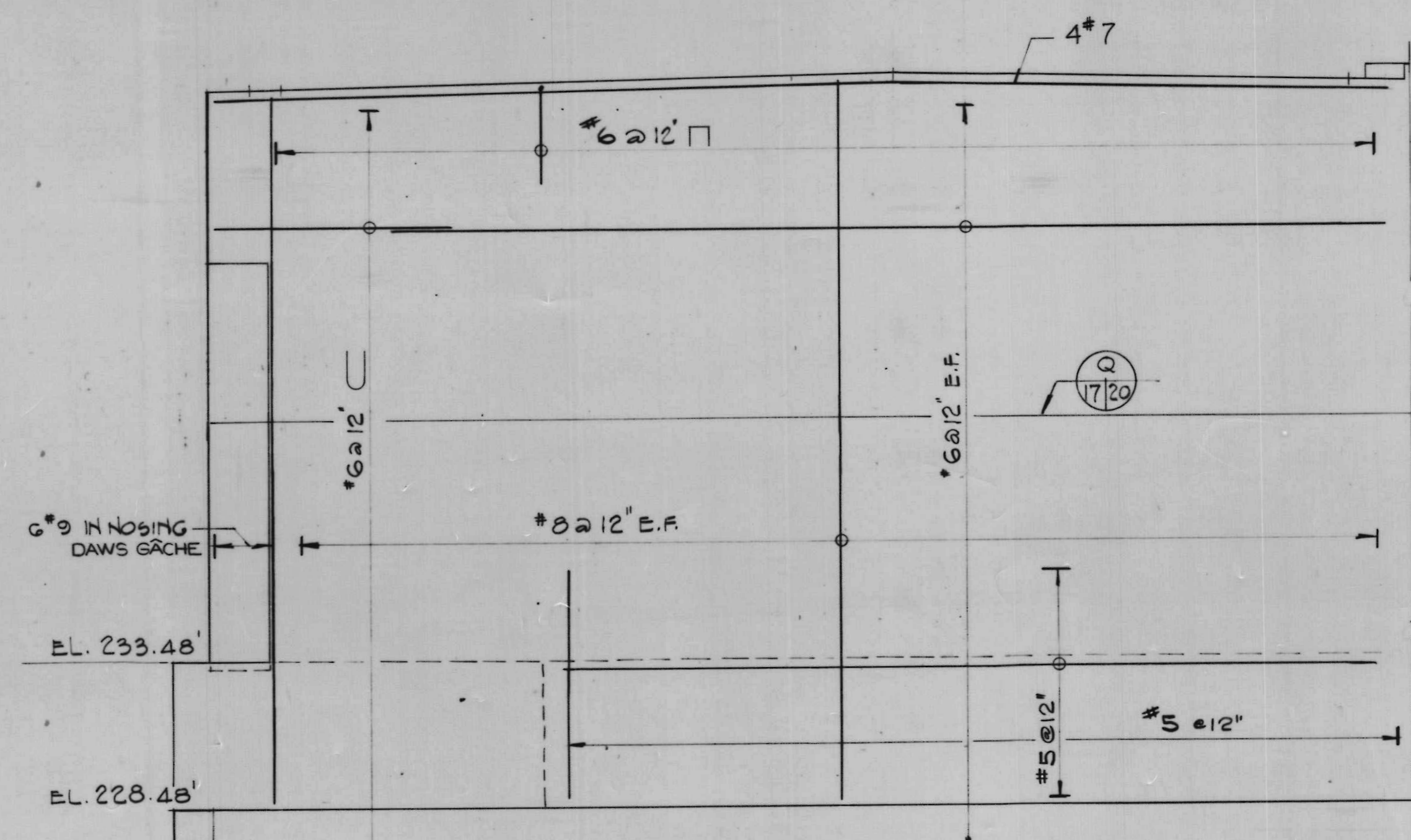
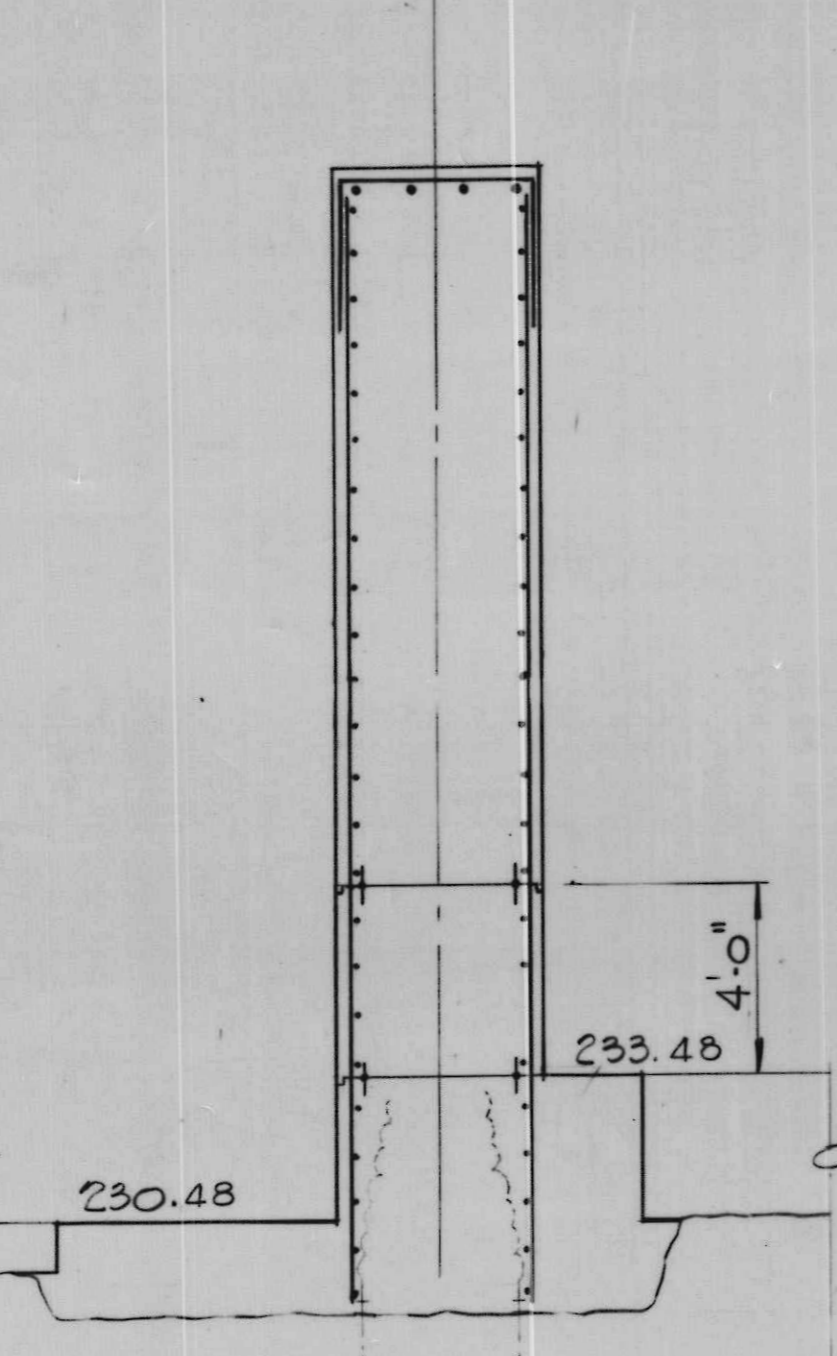
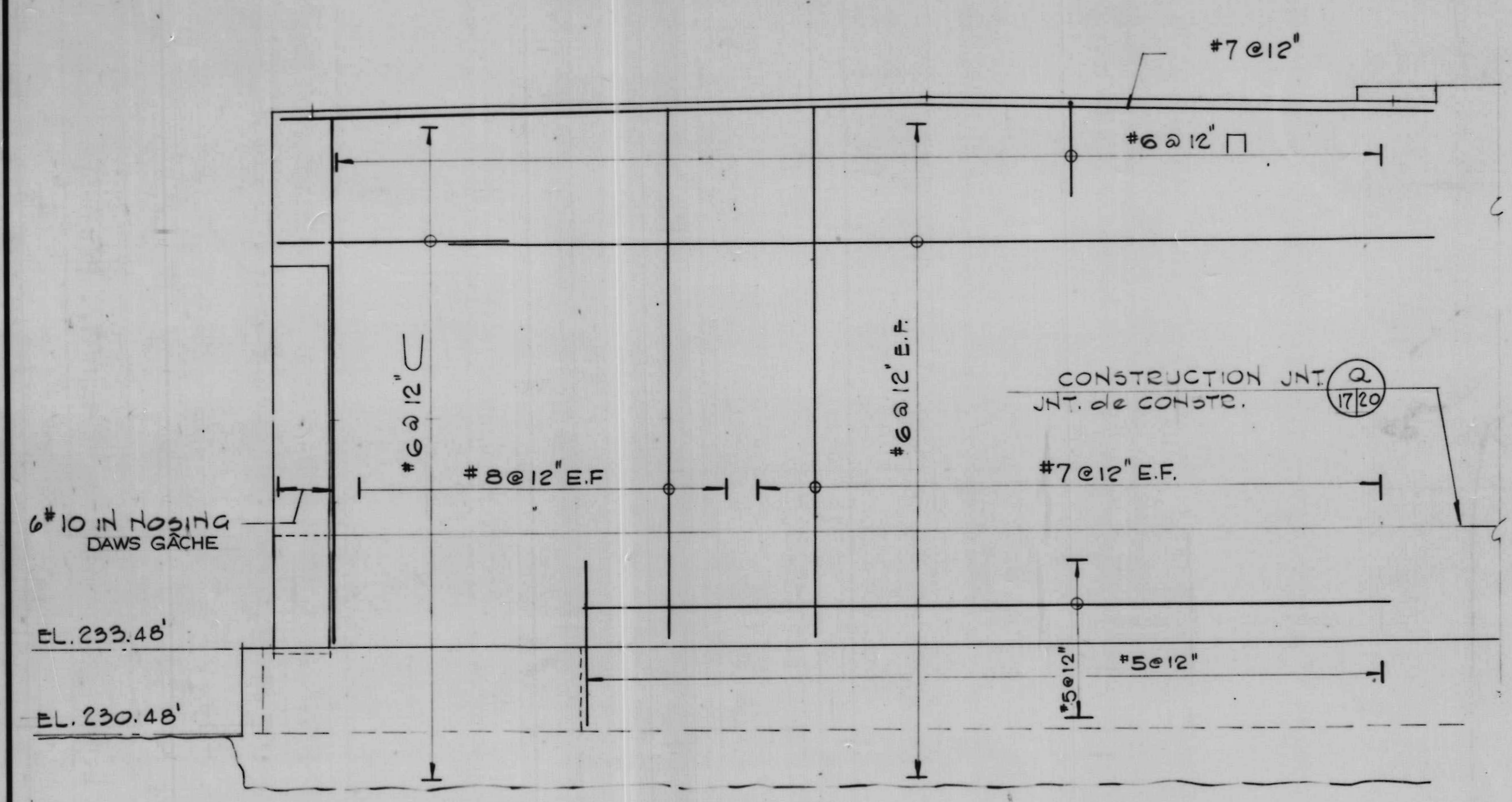
SCALE 1/2" = 1'-0" ÉCHELLE

A	Detail no.	détail no.
B	Location dwg. no.	sur dessin no.
C	Drawing no.	dessin no.
drawn by / tracé par G. S. N.		scale / échelle AS NOTED/NOTÉE
designed by / établi par L. W.		
checked by / vérifié par		
job captain / chef du projet J. R.		date JUNE 30 JUN, 1976
responsible officer / officier responsable H. G.		date JUNE 30 JUN, 1976
project title / titre du projet Rideau Canal Hogs Back Dam and Fixed Bridge Canal Rideau Barrage et Pont Fixe Hogs Back		
drawing title / titre du dessin PIER 1 OF DAM PILE 1 DU BARRAGE		
reference no. no. de référence 10-738	dwg. no. dessin no. 16	

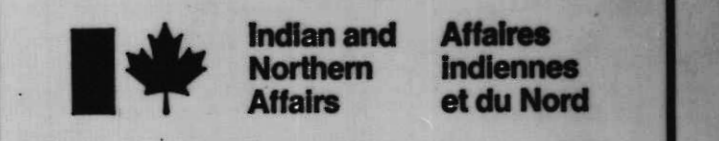


NOTES
FOR GENERAL NOTES SEE DRWG. 2.

NOTES
VOIR DESSIN 2 POUR NOTES GÉNÉRALES.



SCALE 1/4" = 1'-0" ÉCHELLE



C.C. Parker and Associates Limited
Consulting Engineers
Ottawa Ontario



AS BUILT, FROM FIELD RECORDS
DEC. 29, 1977

A	A detail no.	détail no.
B	B location dwg. no.	sur dessin no.
C	C drawing no.	dessin no.

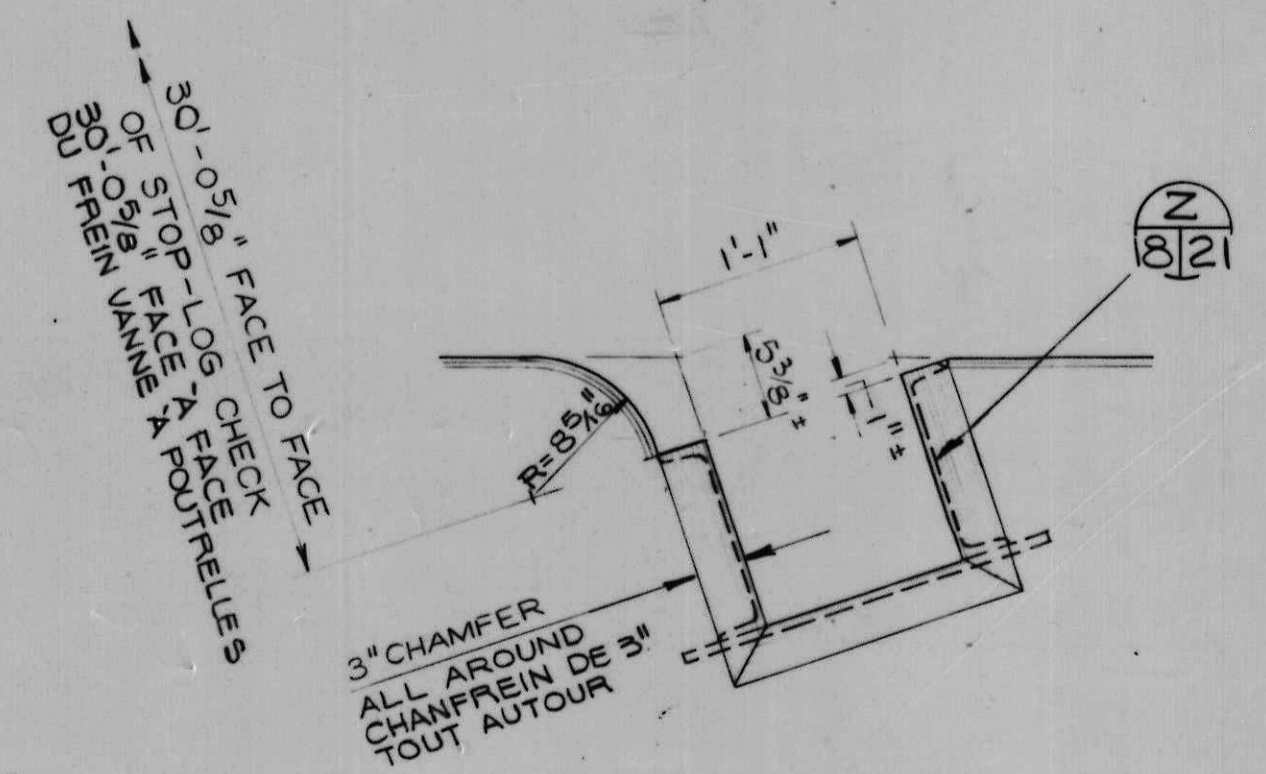
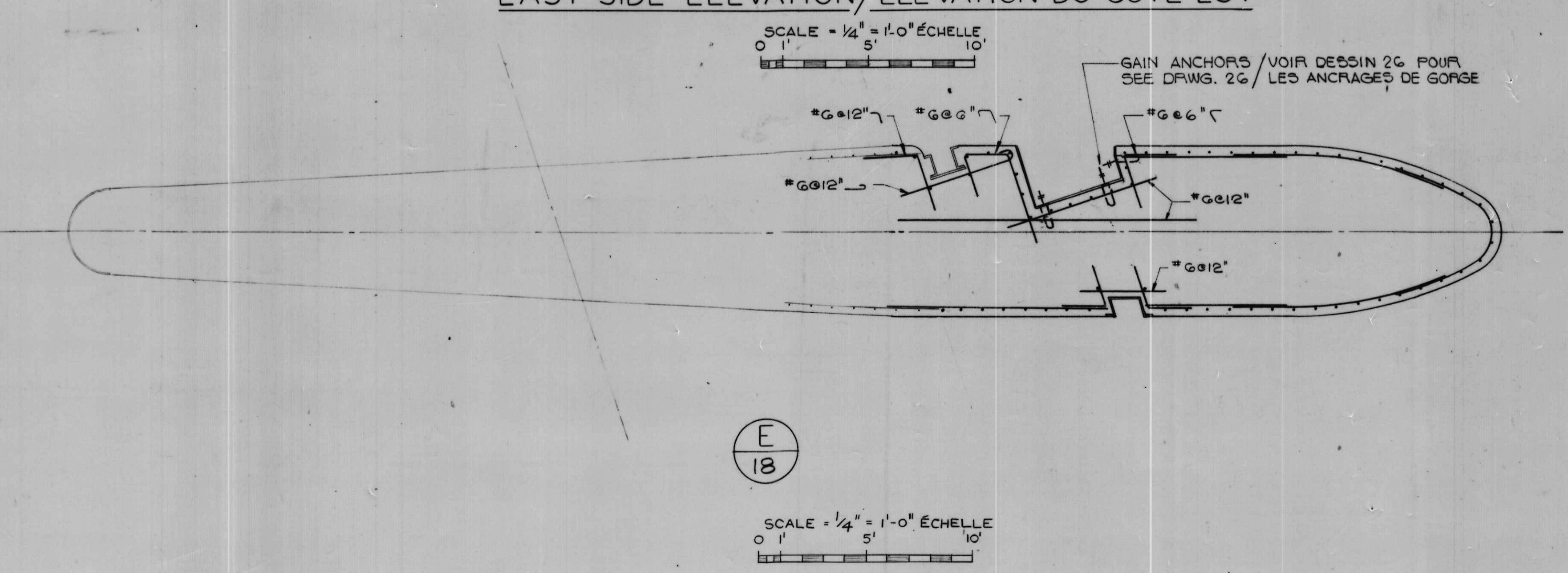
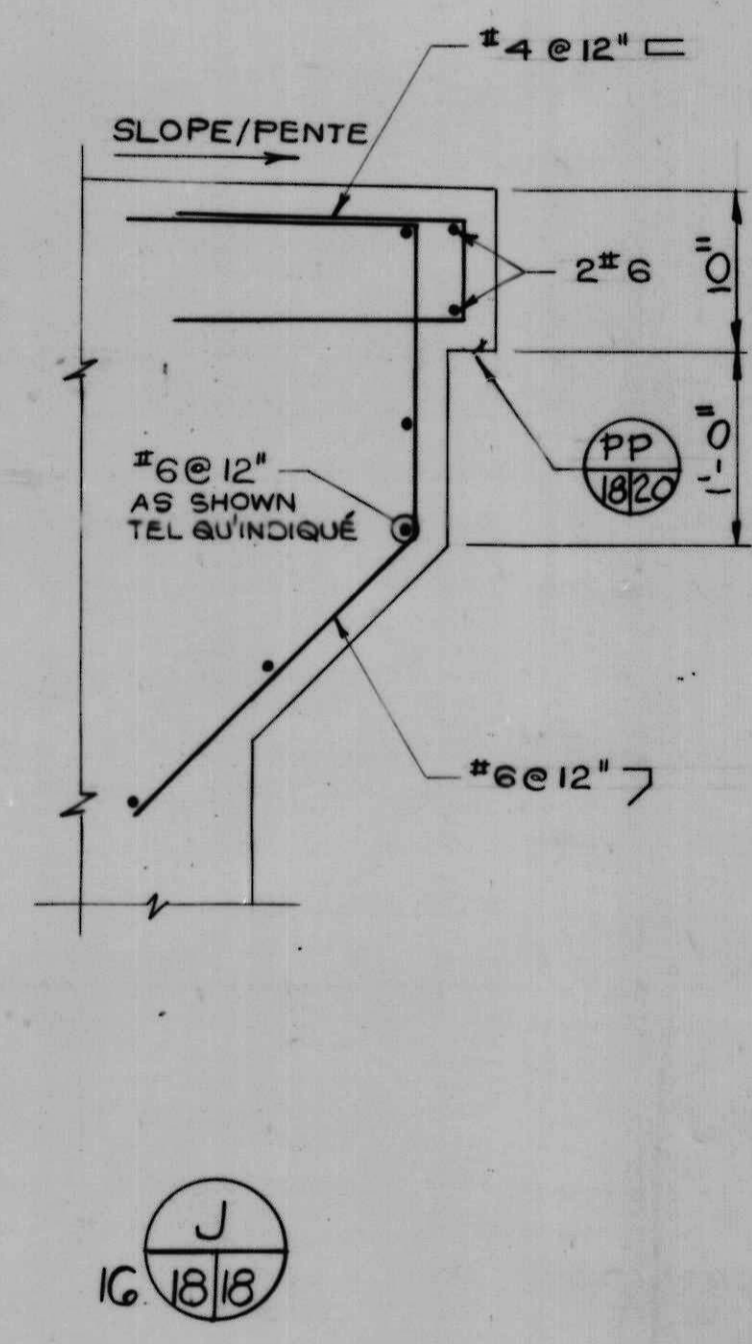
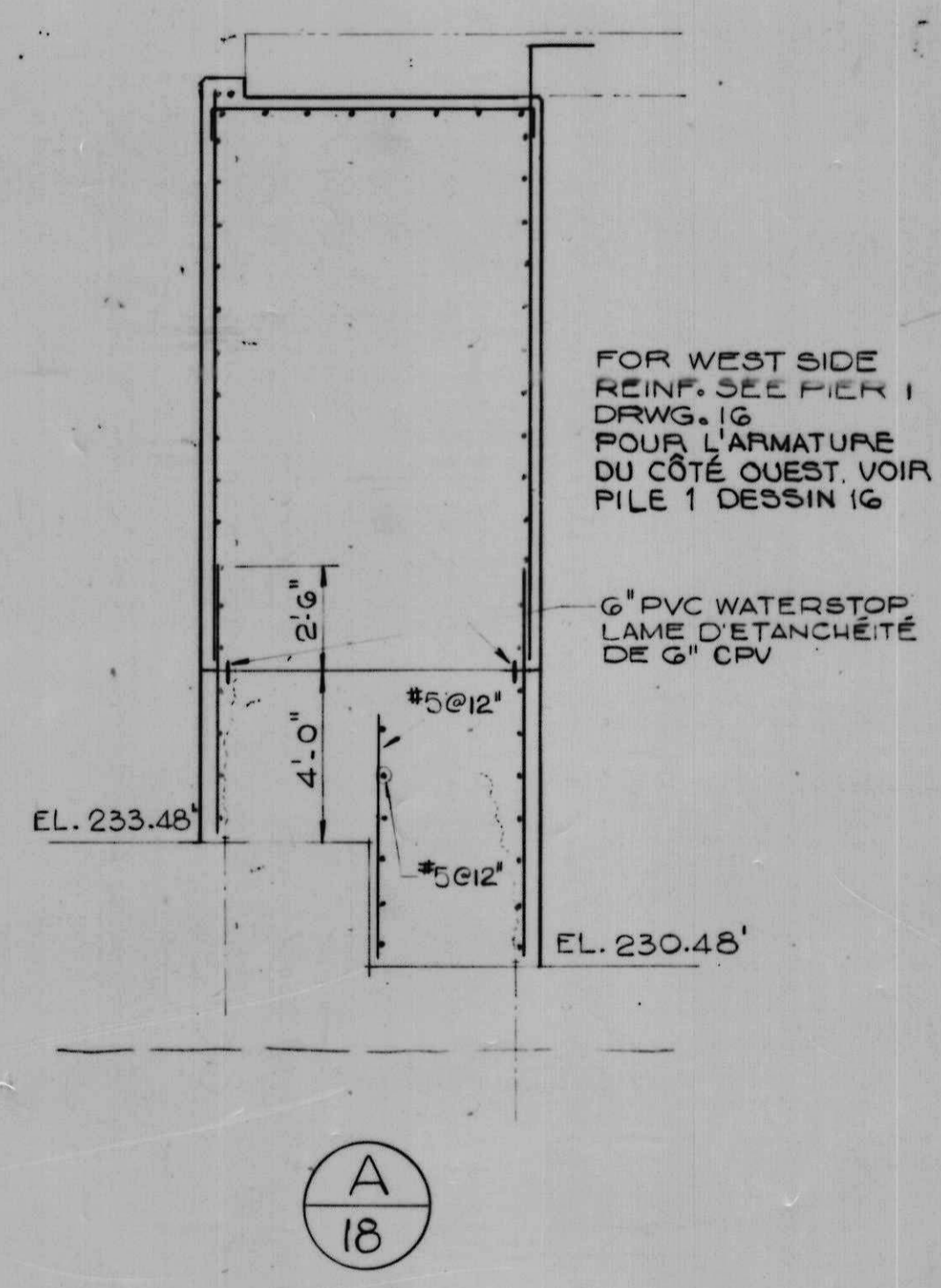
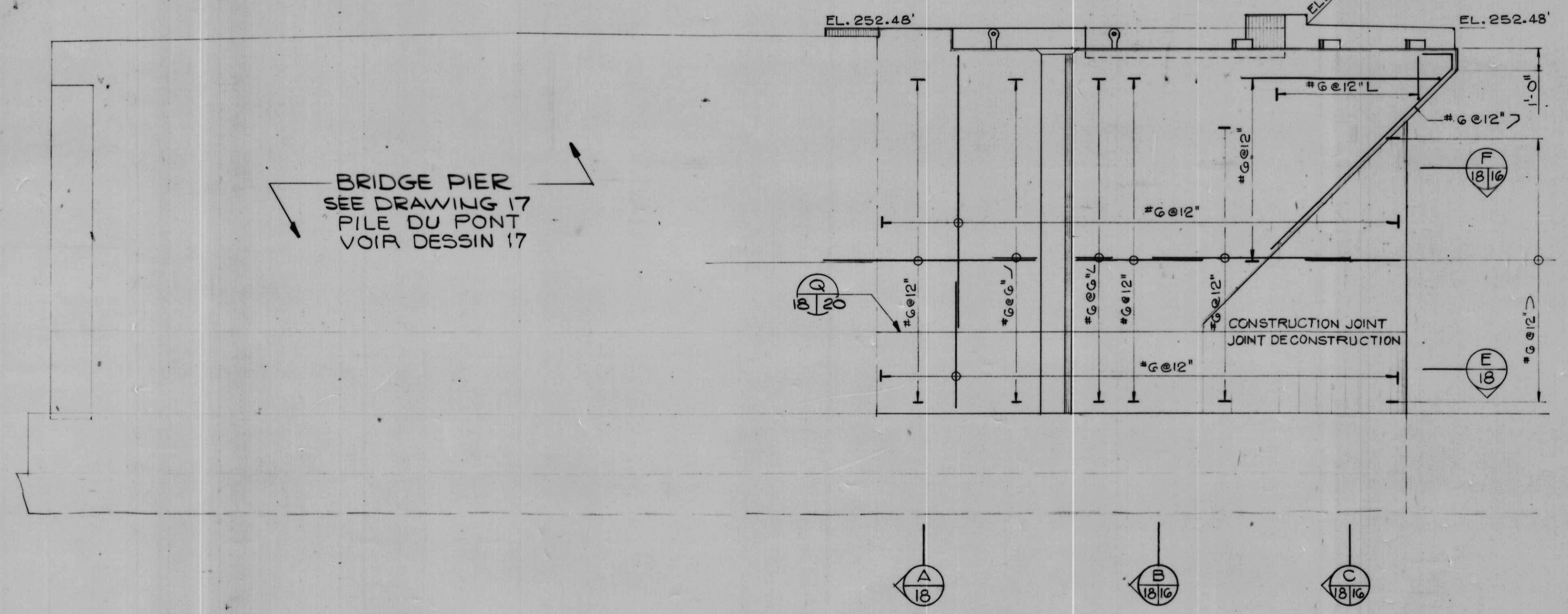
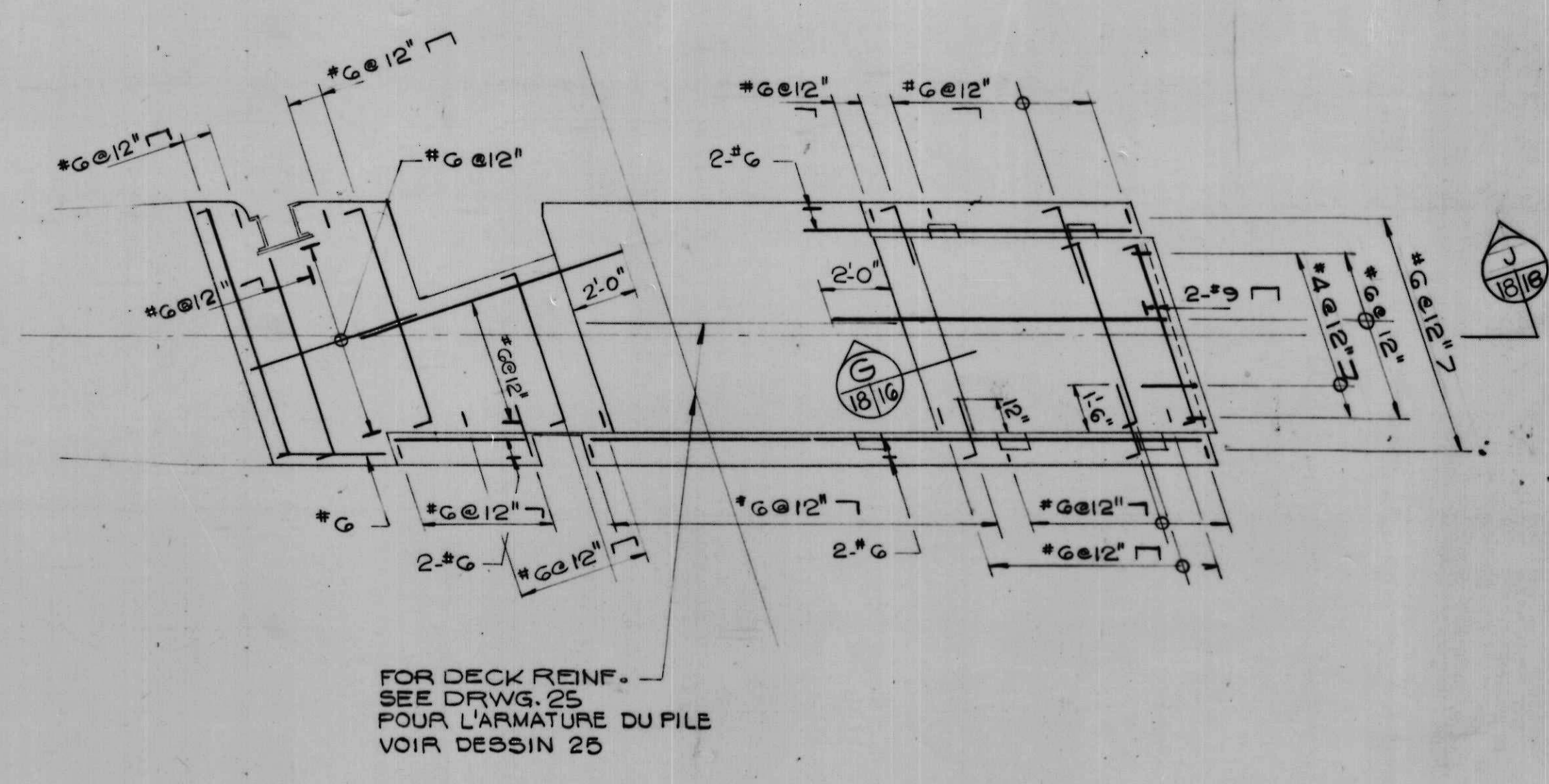
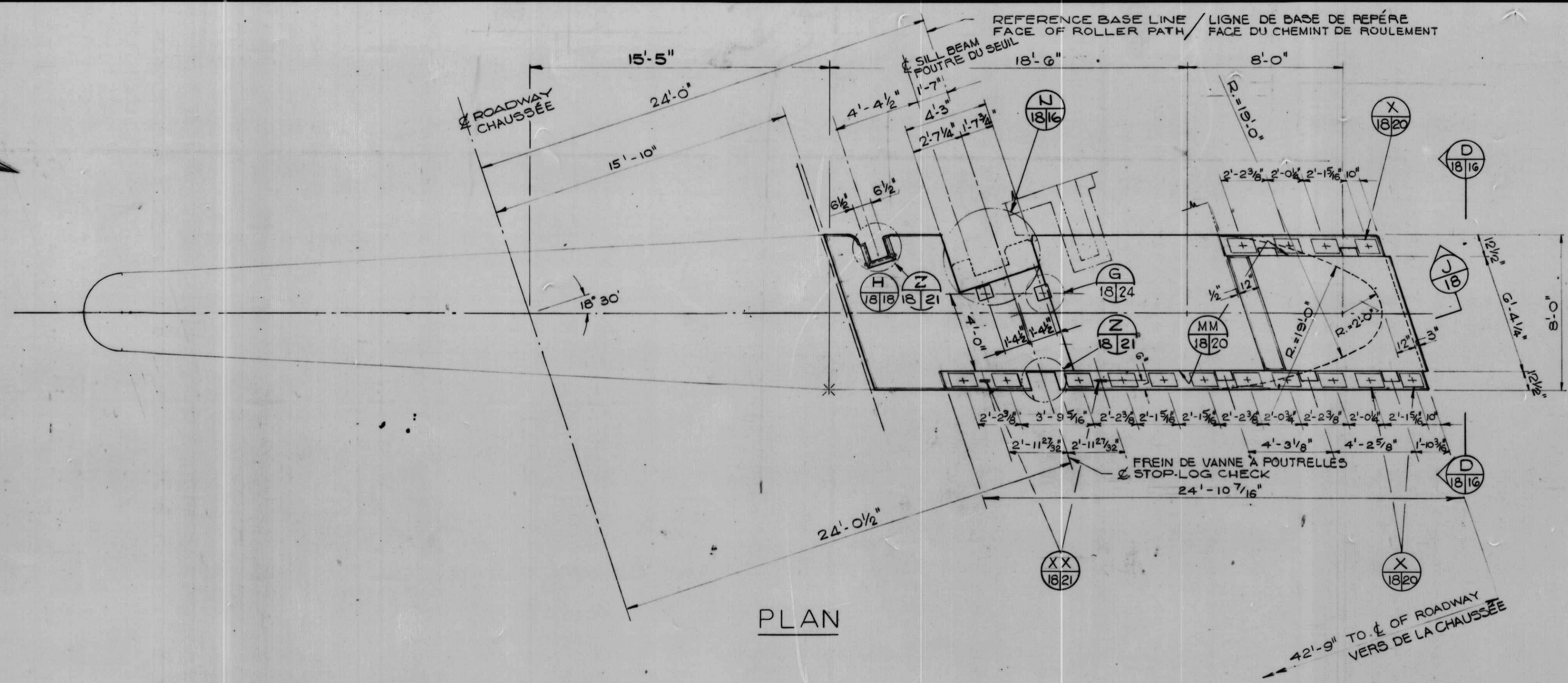
drawn by / tracé par A. A.
scale / échelle AS NOTED/NOTÉE
designed by / établi par O. I.
checked by / vérifié par

job captain / chef du projet J. R. date JUNE 30 JUN, 1976
responsible officer / officier responsable H. G. date JUNE 30 JUN, 1976

project title / titre du projet
Rideau Canal Hogs Back Dam and Fixed Bridge
Canal Rideau Barrage et Pont Fixe Hogs Back

drawing title / titre du dessin
PIERS 2 AND 5 OF BRIDGE
PILES 2 ET 5 DU PONT

reference no. / no de référence 10-738
dwg no. / dessin no 17



NOTES
FOR GENERAL NOTES SEE DRWG. 2.

NOTES
VOIR DESSIN 2 POUR NOTES GÉNÉRALES.

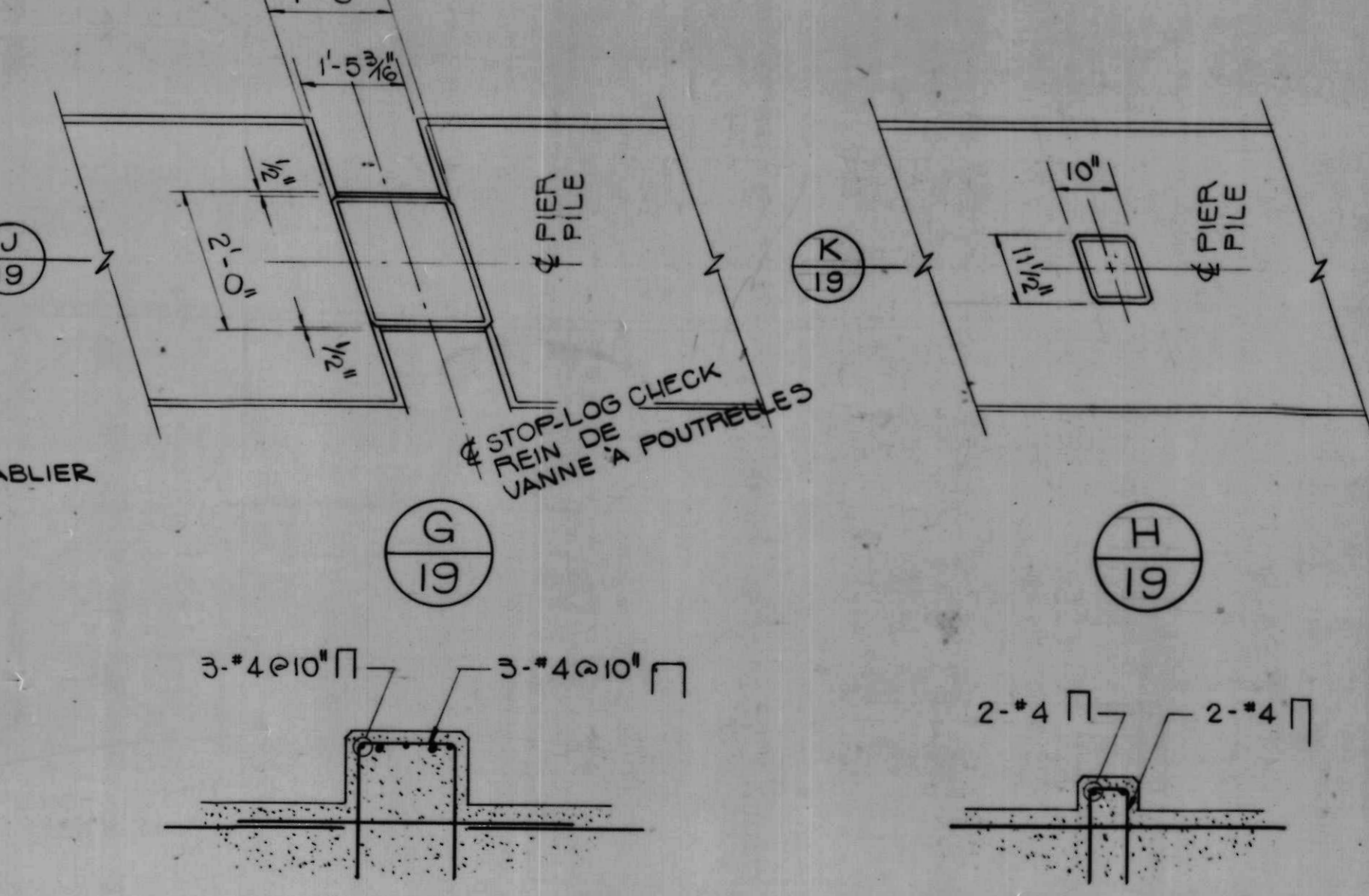
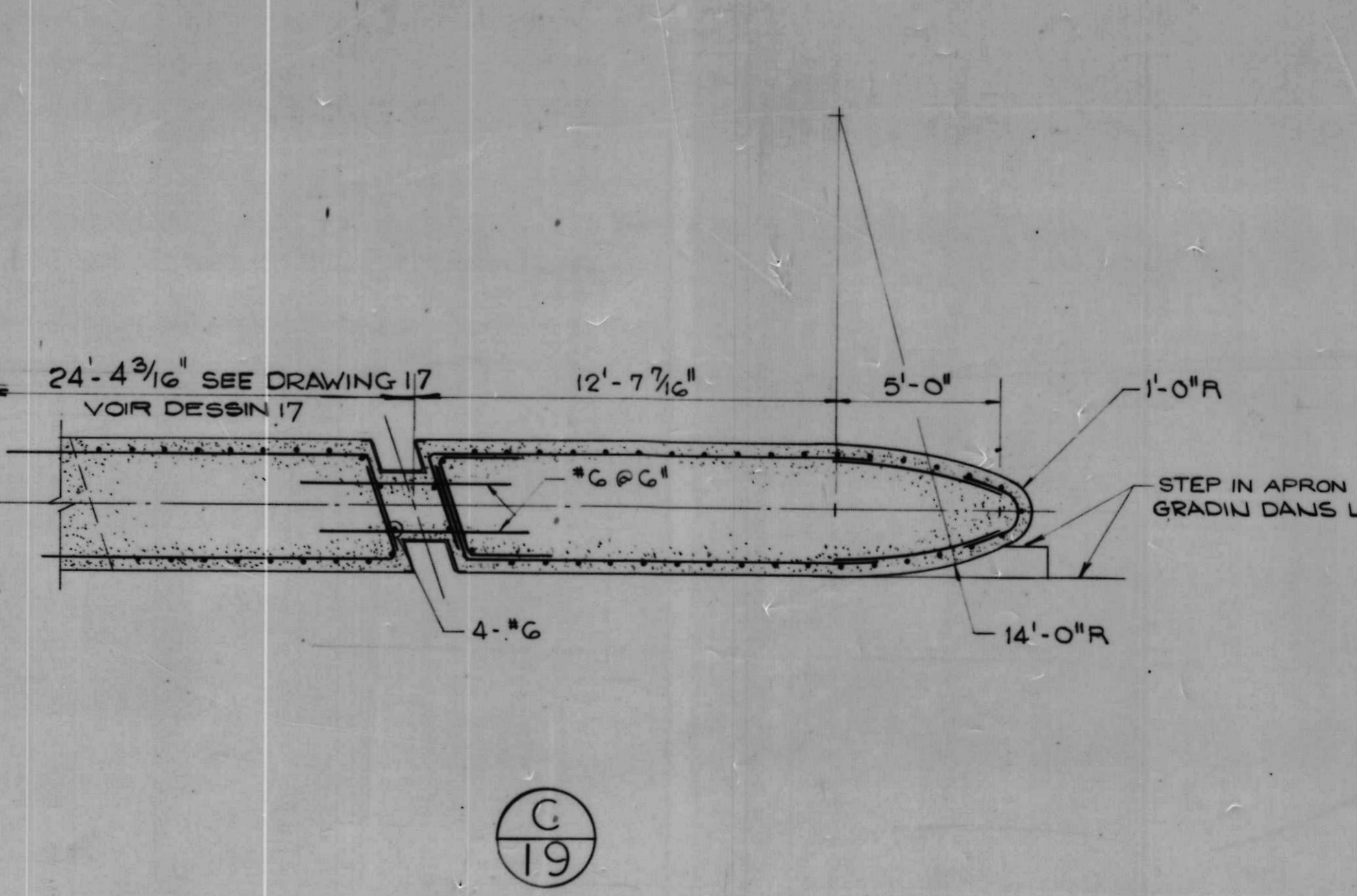
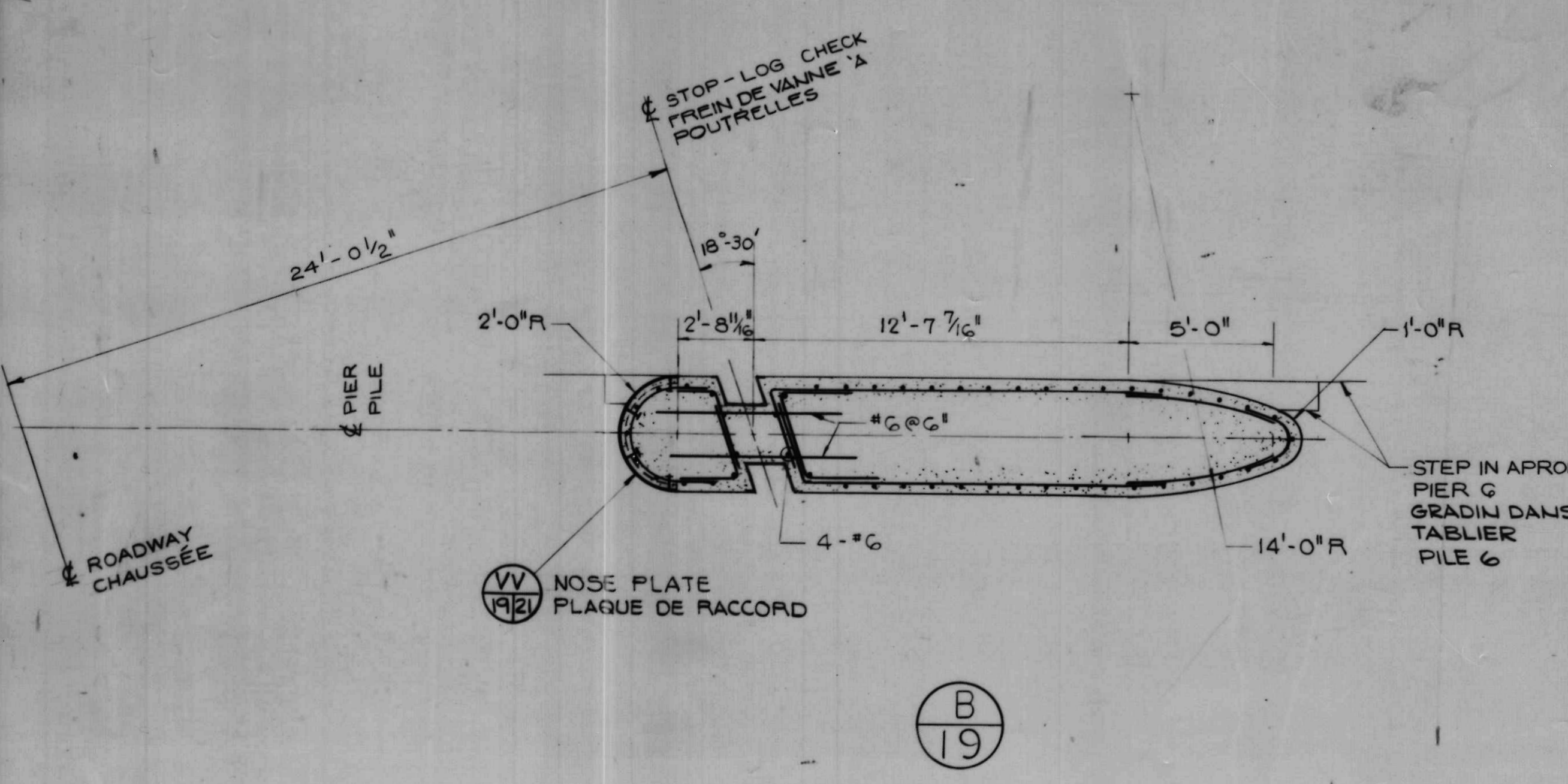
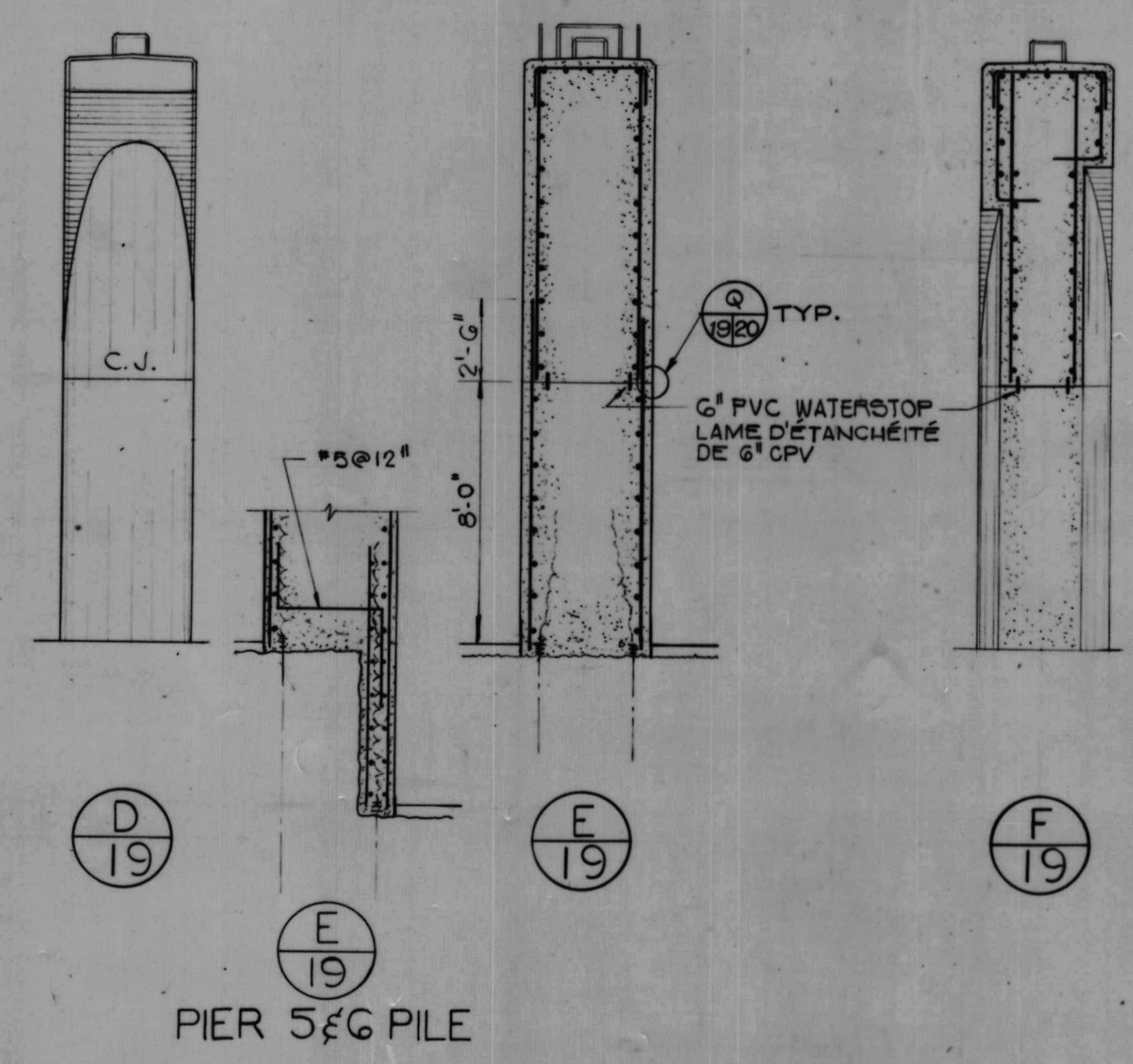
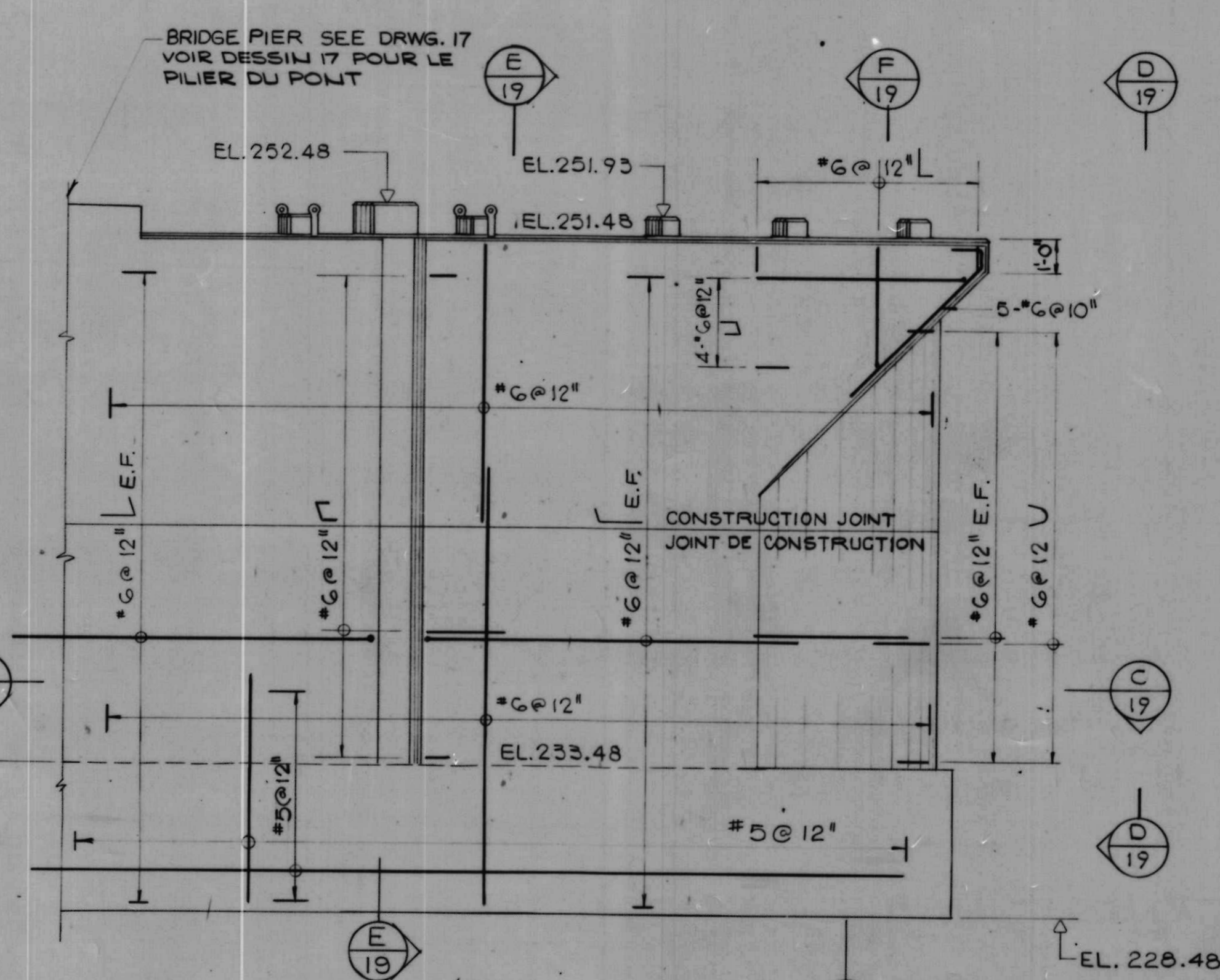
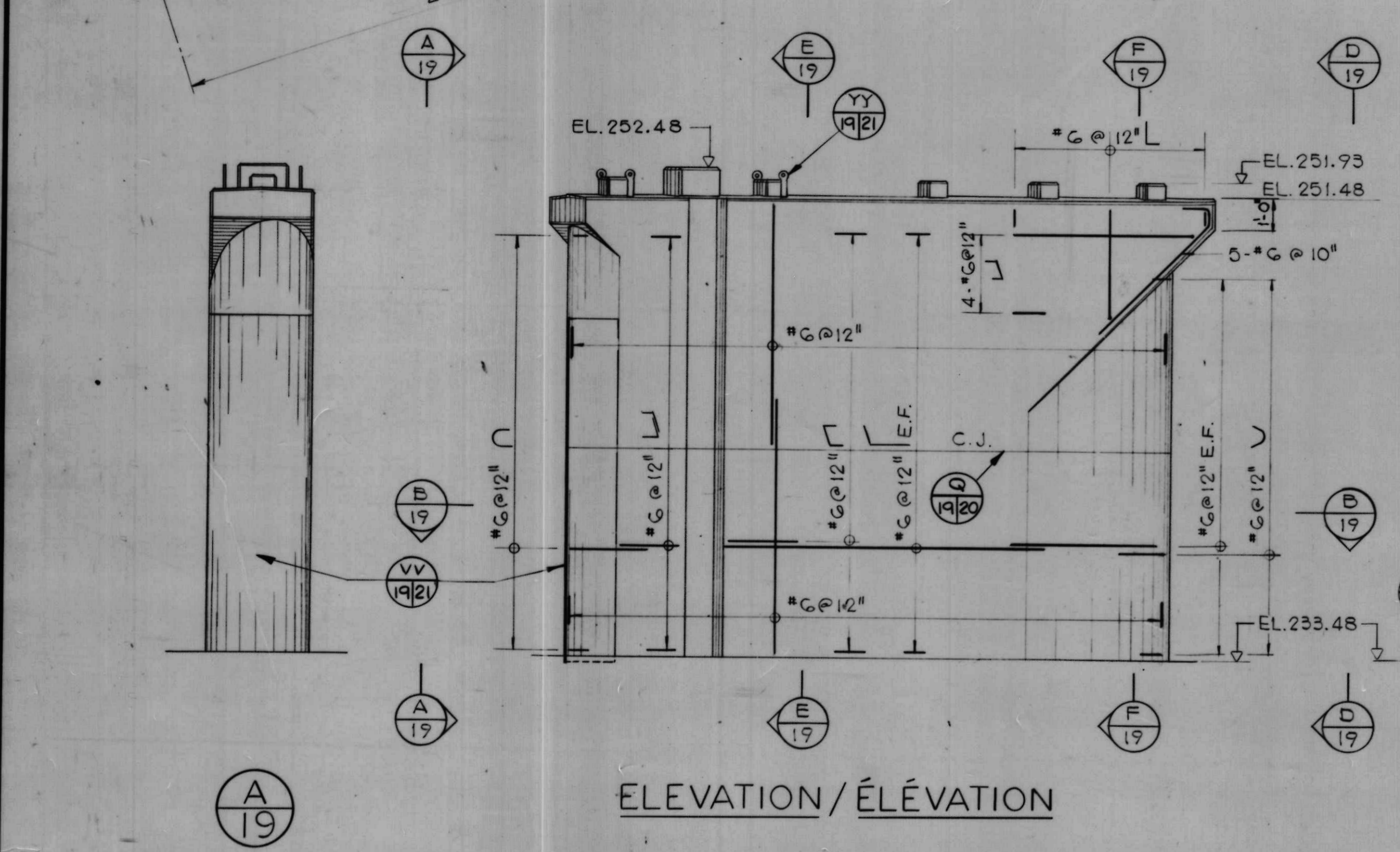
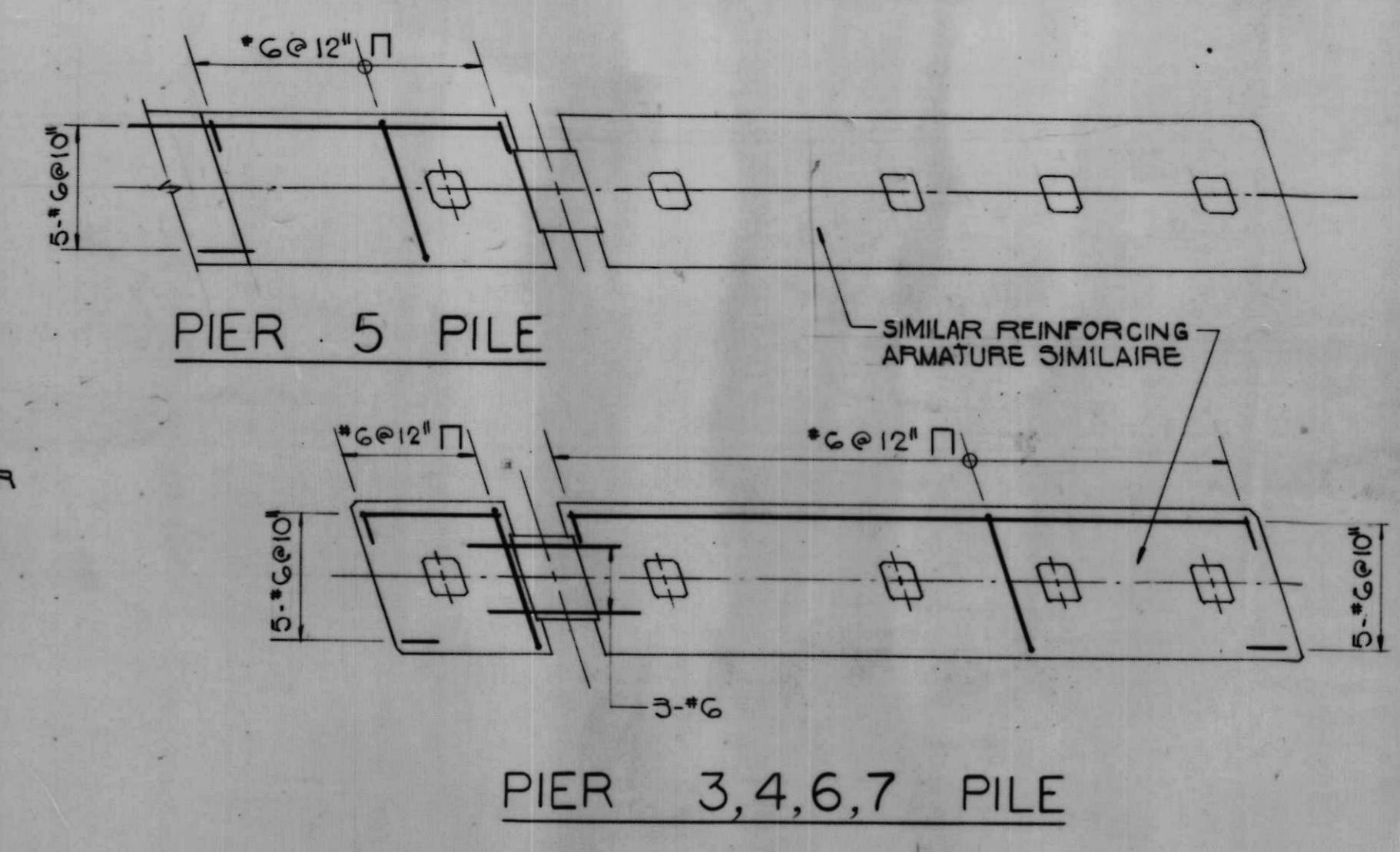
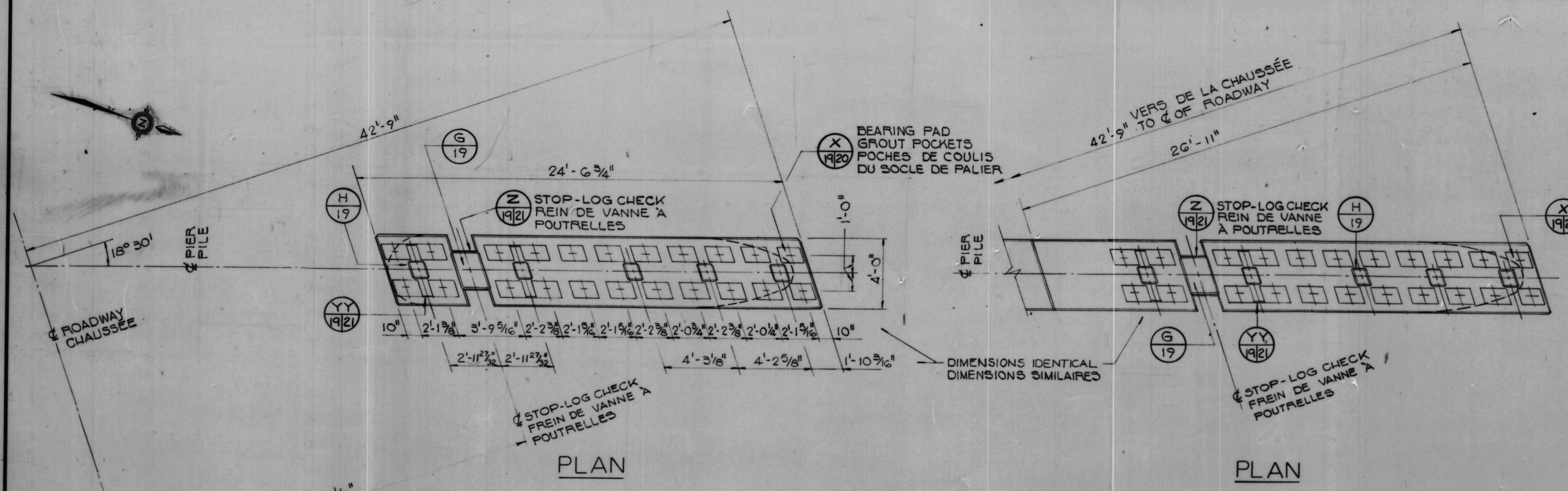
A detail no.	détail no.
B location dwg. no.	sur dessin no.
C drawing no.	dessin no.

drawn by / tracé par	scale / échelle
G.S.N.	AS NOTED / NOTÉE
designed by / établi par	
L.W.	
checked by / vérifié par	

job captain / chef du projet	date
J.R.	JUNE 30 JUN, 1976
responsible officer / officier responsable	date
H.G.	JUNE 30 JUN, 1976

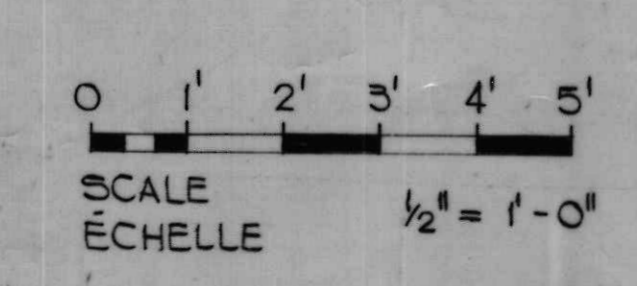
project title	titre du projet
Rideau Canal Hogs Back Dam and Fixed Bridge	
Canal Rideau Barrage et Pont Fixe Hogs Back	
drawing title	titre du dessin
PIER 2 OF DAM PILE 2 DU BARRAGE	

reference no. no de référence	dwg no. dessin no.
10:738	18

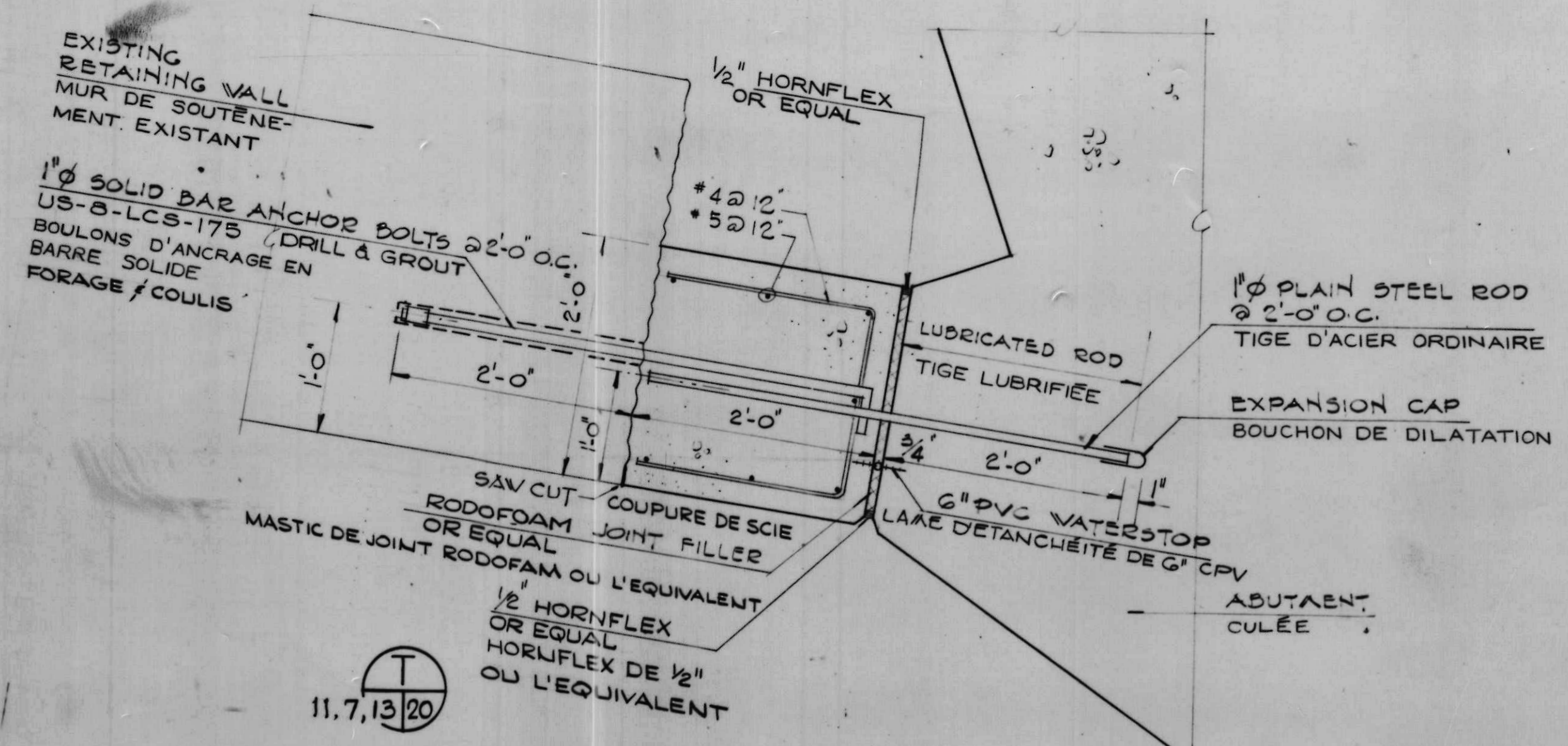


NOTES
FOR GENERAL NOTES SEE DRWG. 2.

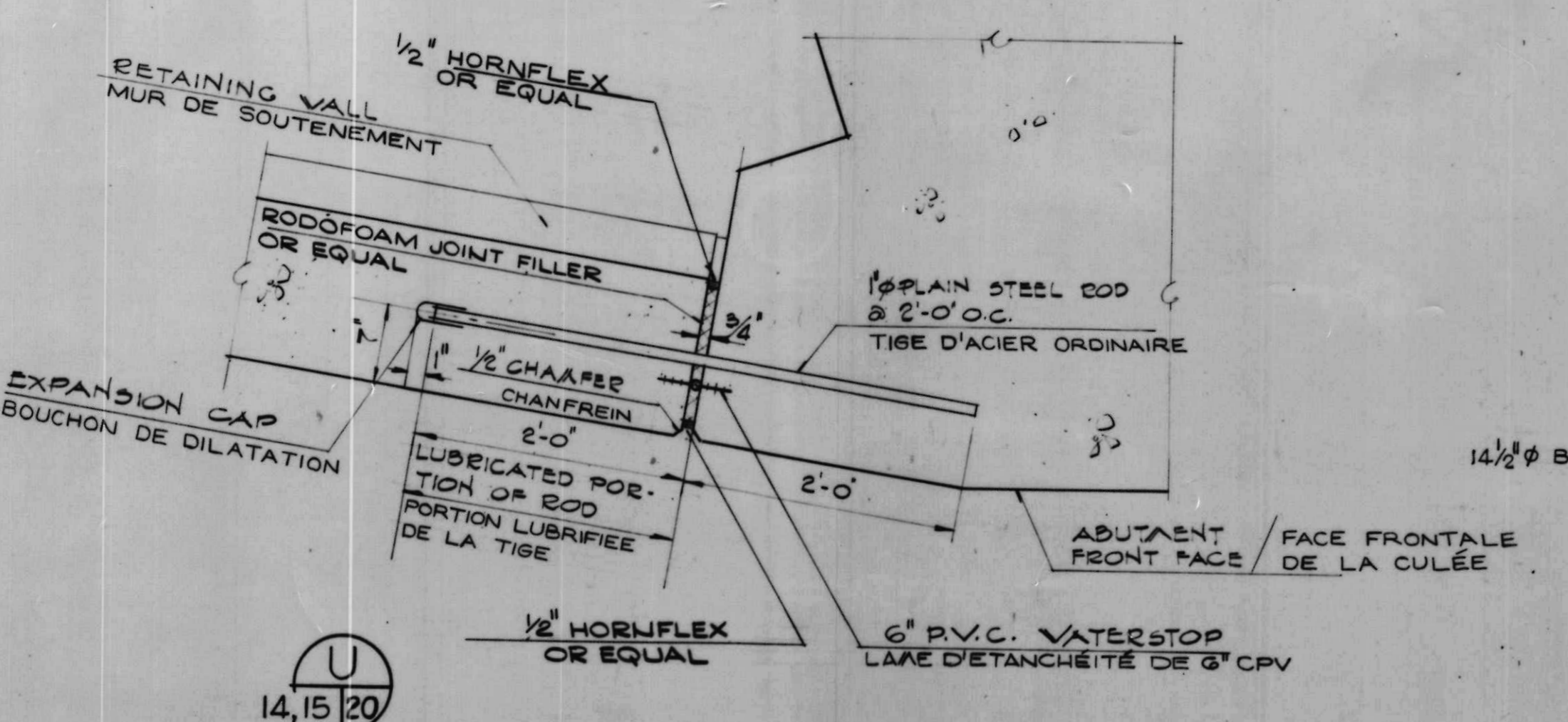
NOTES
VOIR DESSIN 2 POUR NOTES GÉNÉRALES



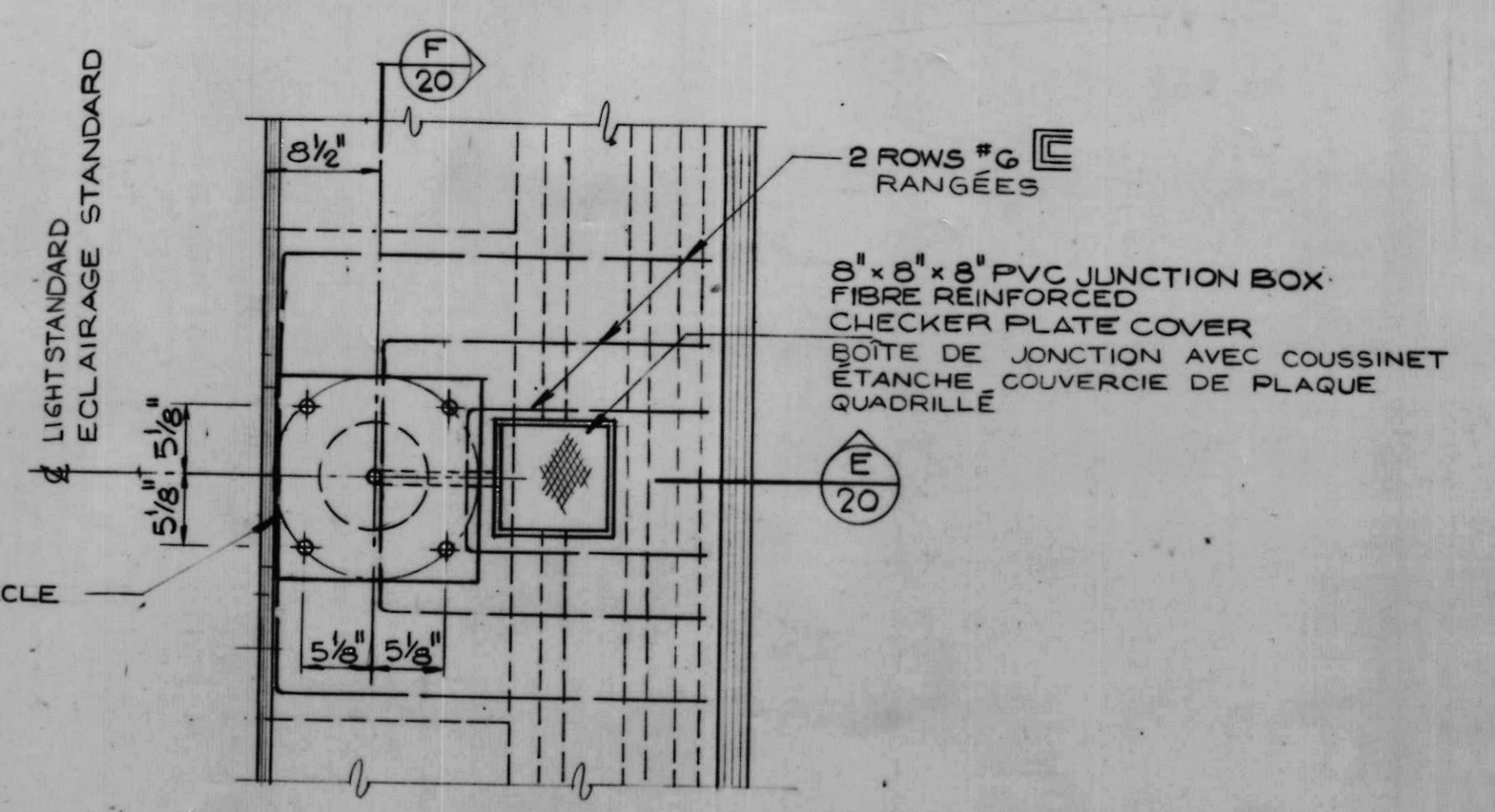
A	A detail no.	détail no.
B	B location dwg. no.	sur dessin no.
C	C drawing no.	dessin no.
drawn by / tracé par H. L. K.		scale / échelle AS NOTED / NOTÉE
designed by / établi par L. W.		
checked by / vérifié par J. D. T.		
job captain / chef du projet J. R.		date JUNE 30 JUN, 1976
responsible officer / officier responsable H. G.		date JUNE 30 JUN, 1976
project title Rideau Canal Hogs Back Dam and Fixed Bridge		titre du projet Canal Rideau Barrage et Pont Fixe Hogs Back
drawing title PIERS 3, 4, 5, 6 AND 7 OF DAM		titre du dessin PILES 3, 4, 5, 6 ET 7 DU BARRAGE
reference no. no de référence 10-738	dwg no. dessin no. 19	



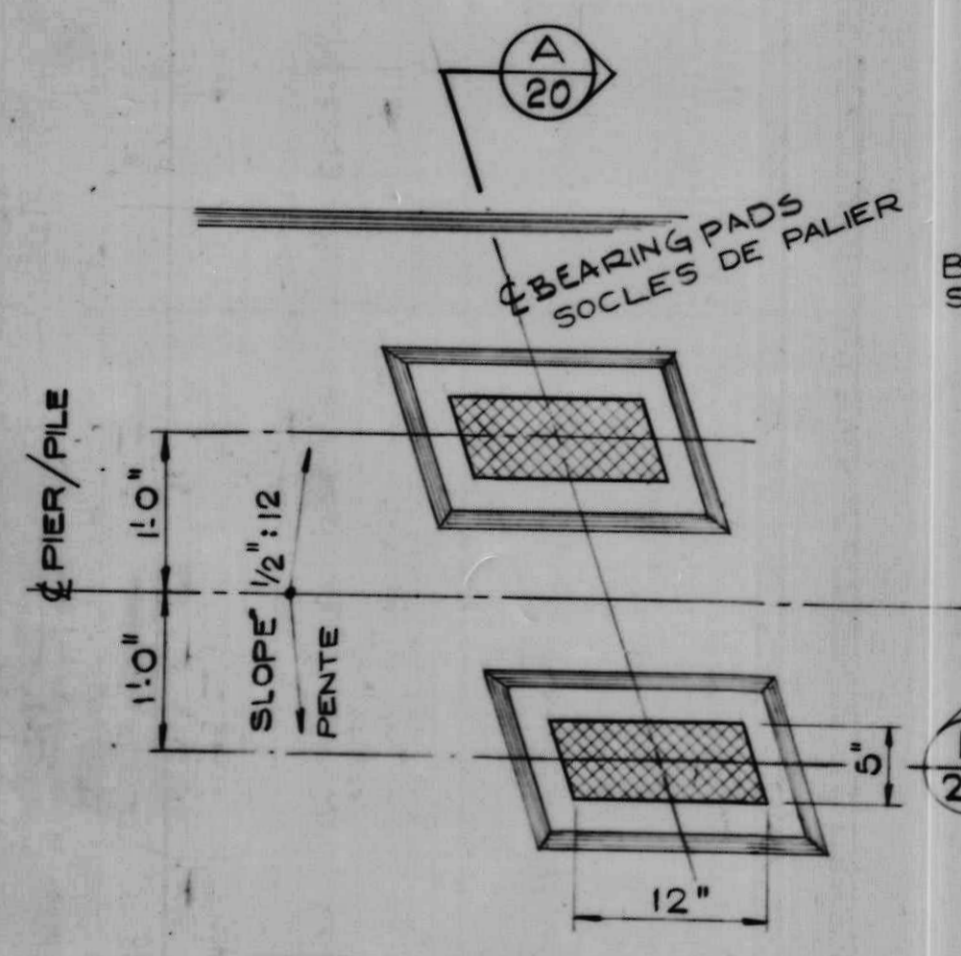
TYPICAL EXPANSION JOINT DETAIL
DÉTAIL DU JOINT DE DILATATION TYPIQUE



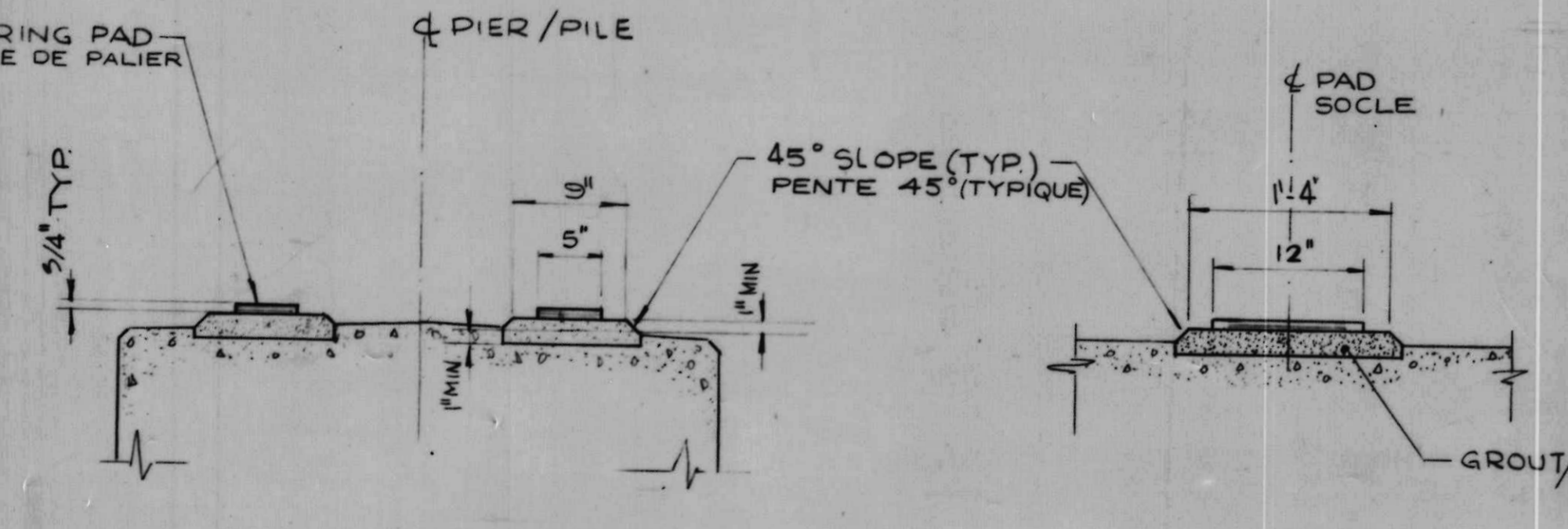
EXPANSION JNT. AT N/E RETAINING WALL
JOINT DE DILATATION AU NORD-EST DU MUR DE SOUTÈNEMENT



PLAN

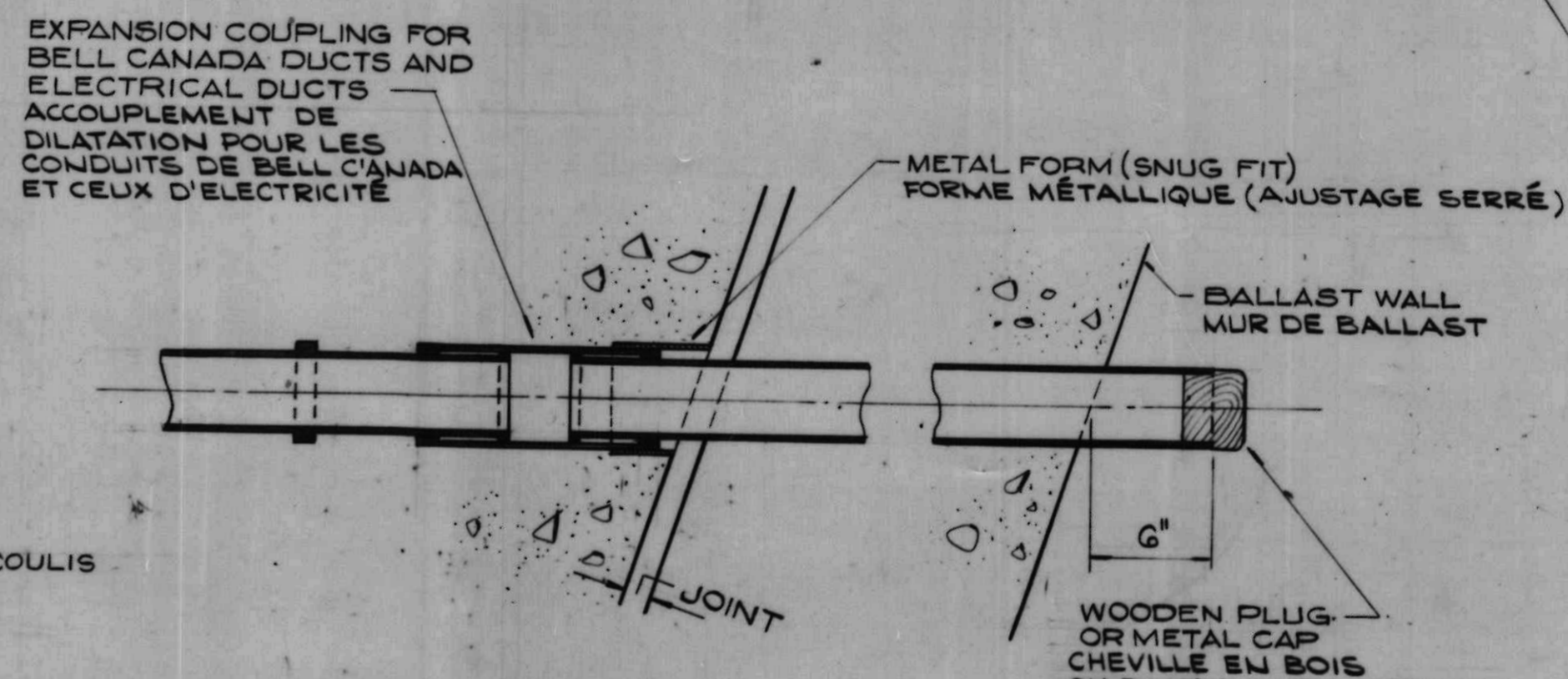


PLAN



A 20

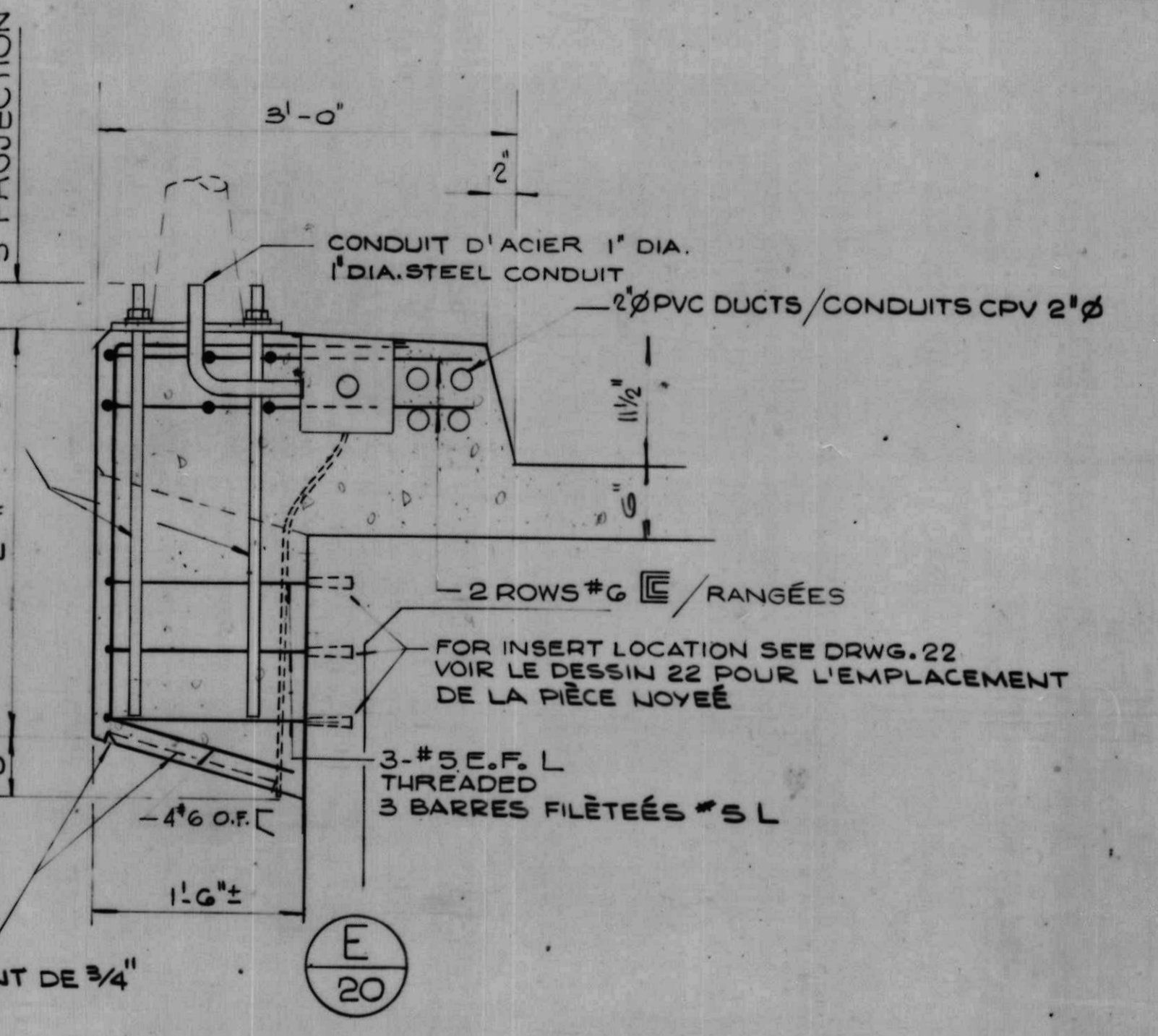
B 20



DUCT EXPANSION JOINT DETAILS
AT PIERS AND ABUTMENT
DÉTAILS DU JOINT DE DILATATION DES CONDUITS
AUX PILES ET AUX BUTÉES

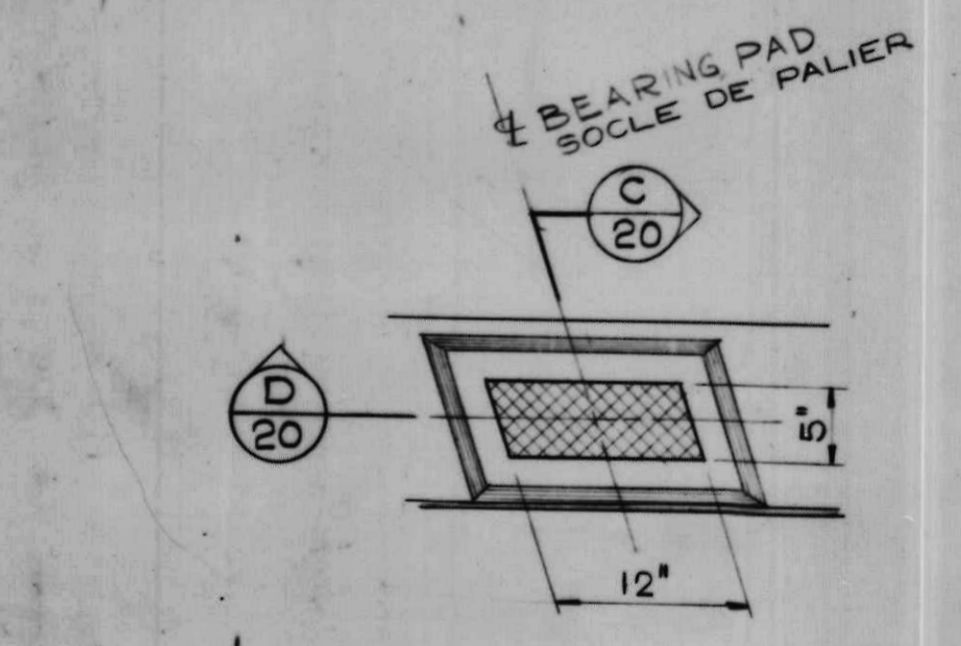
V 20

Z 20

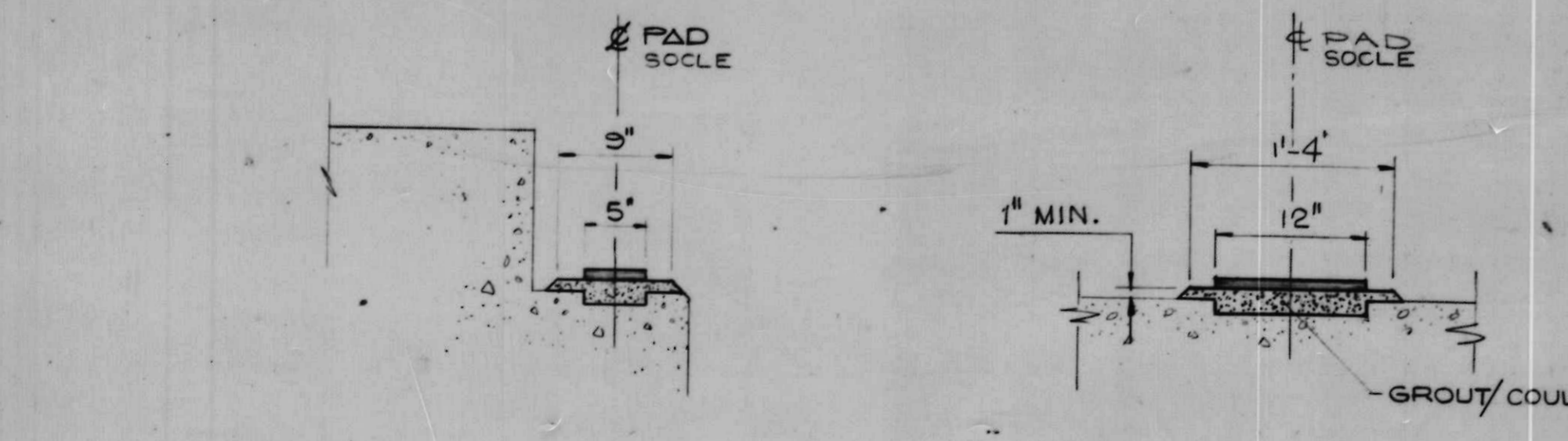


E 20

F 20



PLAN

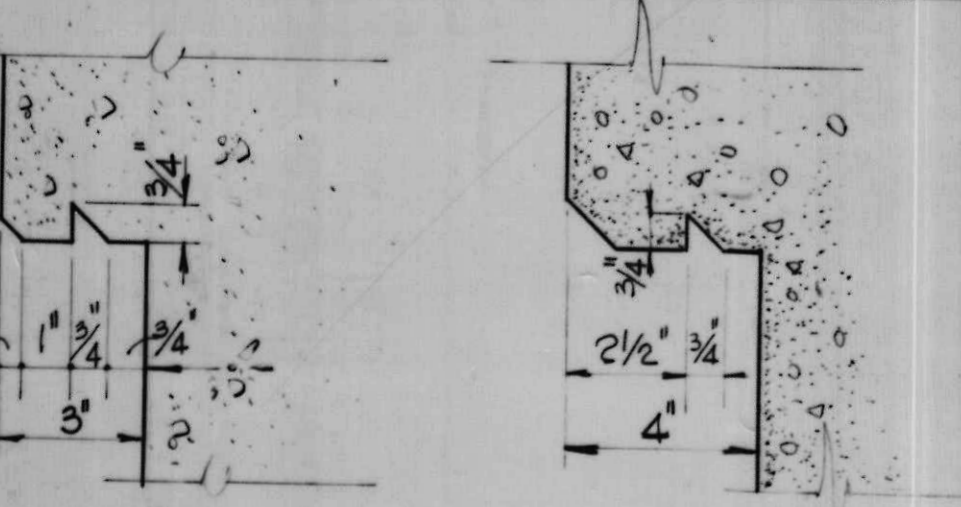


C 20

D 20

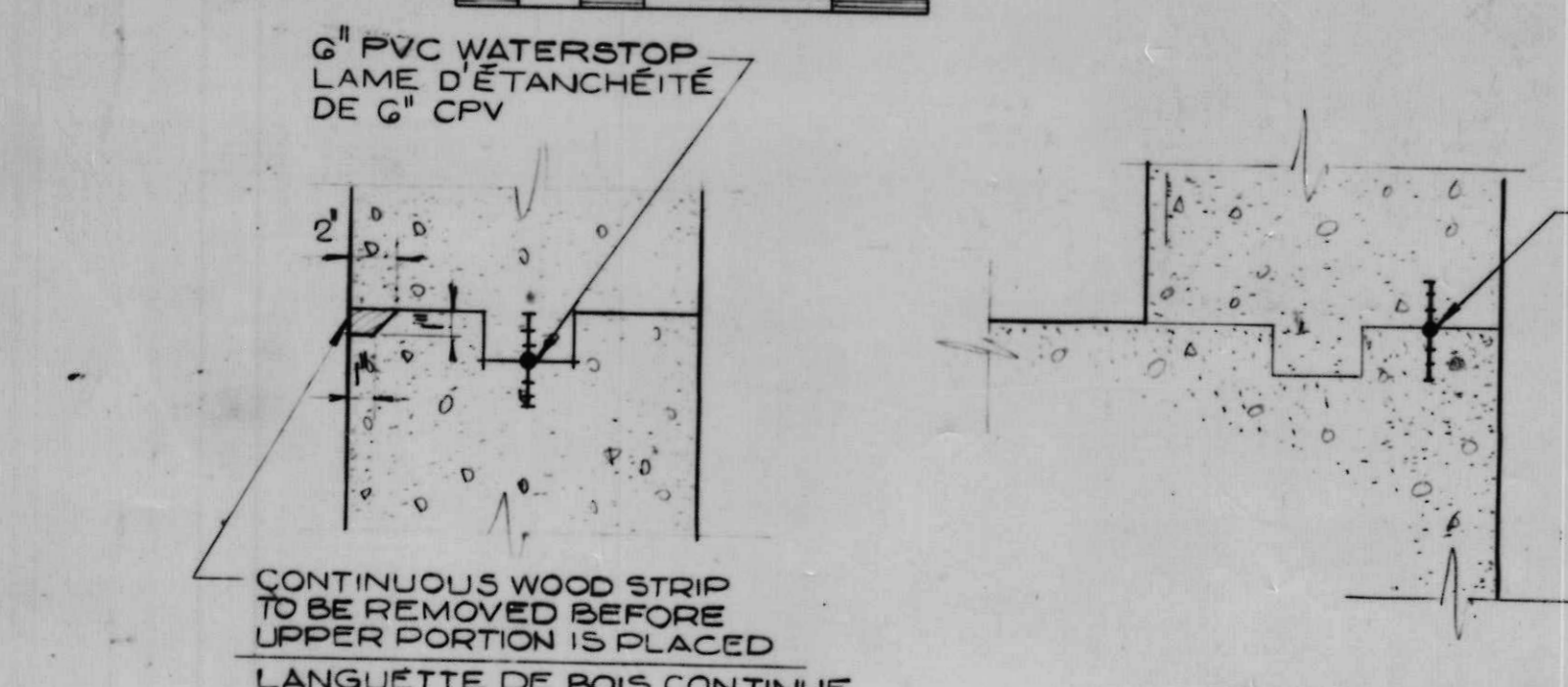
DAM BEARING PAD GROUT POCKET DETAILS
DÉTAILS DE LA POCHE DU COULIS
DU SOCLE DE PALIER DU BARRAGE

X 20



PP 20

P 20

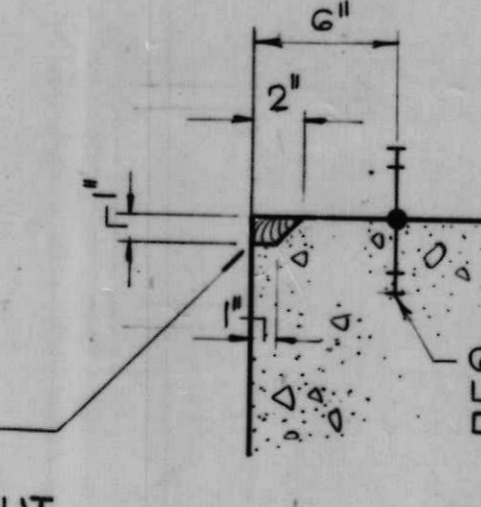


S 20

R 20

MM 20

SCALE 1/2\"/>



Q 20

LIGHT STANDARD PEDESTAL DETAILS
DÉTAILS DU PÉDESTAL DE L'ÉCLAIRAGE STANDARD

SCALE 1\"/>

NOTES FOR GENERAL NOTES SEE DRWG. 2.

NOTES VOIR DESSIN 2 POUR NOTES GÉNÉRALES

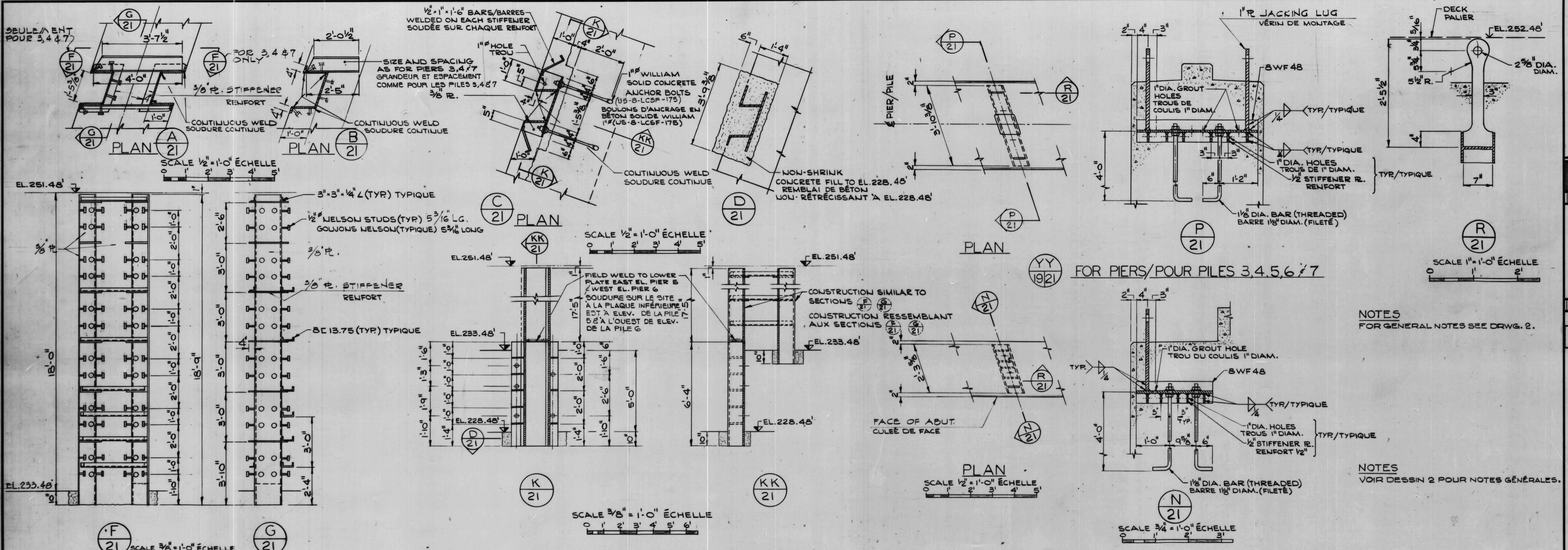


A	A detail no.	detail no.
B	B location chg. no.	sur dessin no.
C	C drawing no.	dessin no.
drawn by / tracé par		scale / échelle
G. S. N.		AS NOTED/NOTÉE
designed by / établi par		
J. D. T.		
checked by / vérifié par		
J. D. T.		

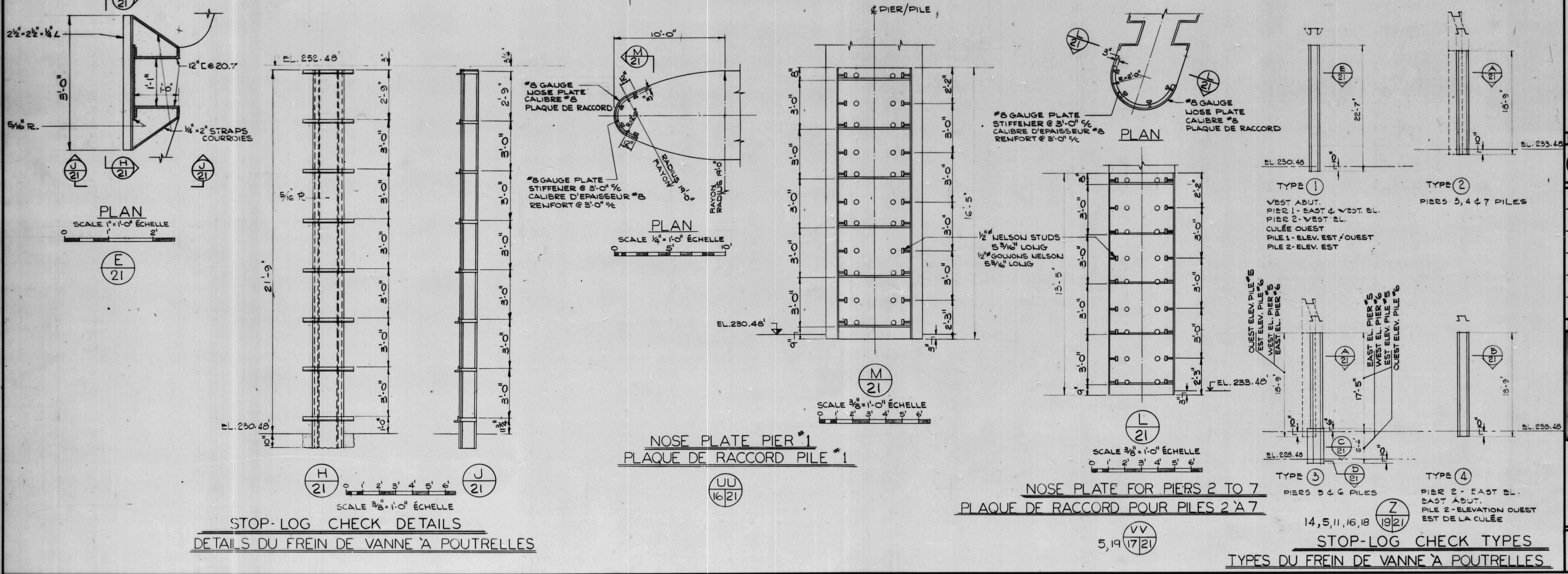
Job captain / chef du projet	J. R.	date	JUNE 30 JUNI, 1976
responsible officer / officier responsable	H. G.	date	JUNE 30 JUNI, 1976

project title / titre du projet
**Rideau Canal
Hogs Back Dam
and Fixed Bridge**
**Canal Rideau
Barrage et Pont Fixe
Hogs Back**

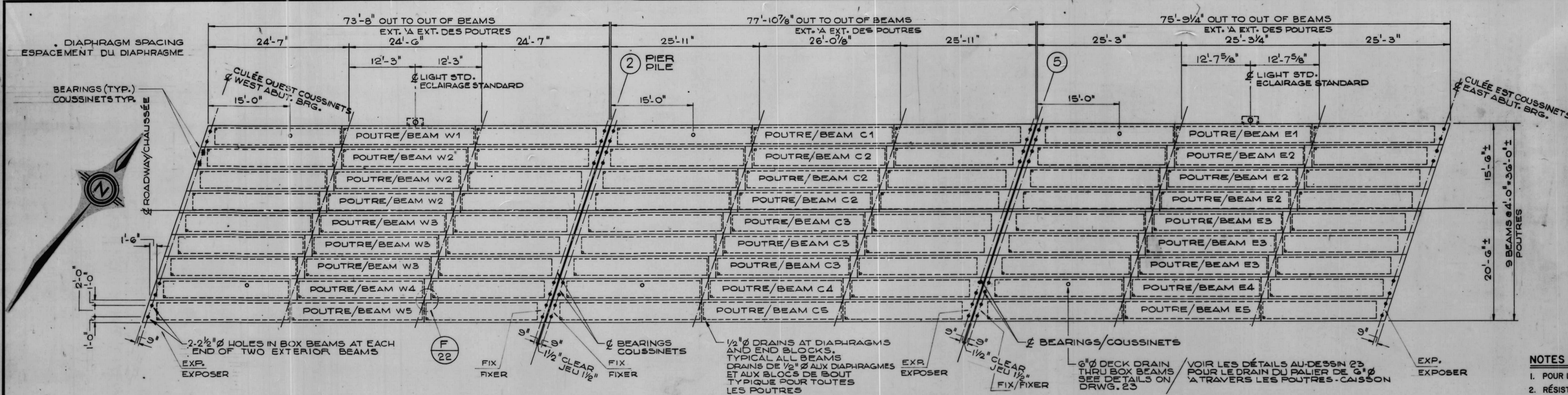
drawing title / titre du dessin
**MISCELLANEOUS CONCRETE
BÉTON DIVERS**



FOR EAST ABUTMENT AND PIER 2
POUR CULÉE EST ET PILE 2
STOP-LOG JACKING DEVICE



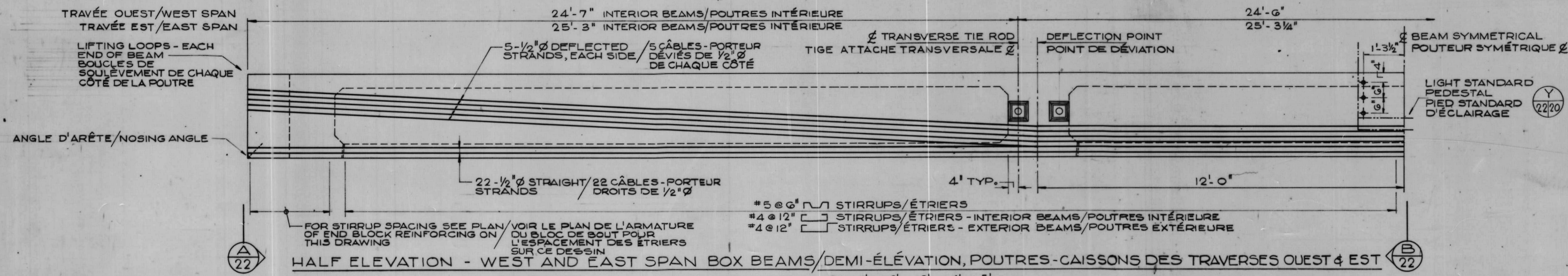
A detail no. détail no.	
B location dwg. no. sur dessin no.	
C drawing no. dessin no.	
drawn by / tracé par T. F. G.	scale / échelle AS NOTED / NOTÉE
designed by / établi par E. S.	checked by / vérifié par
job captain / chef du projet J. R.	date JUNE 30 JUN, 1976
responsible officer / officier responsable H. G.	date JUNE 30 JUN, 1976
project title / titre du projet Rideau Canal Hogs Back Dam and Fixed Bridge Canal Rideau Barrage et Pont Fixe Hogs Back	
drawing title / titre du dessin MISCELLANEOUS DETAILS DÉTAILS DIVERS	reference no. / no de référence 10-738
dwg no. / dessin no. 21	



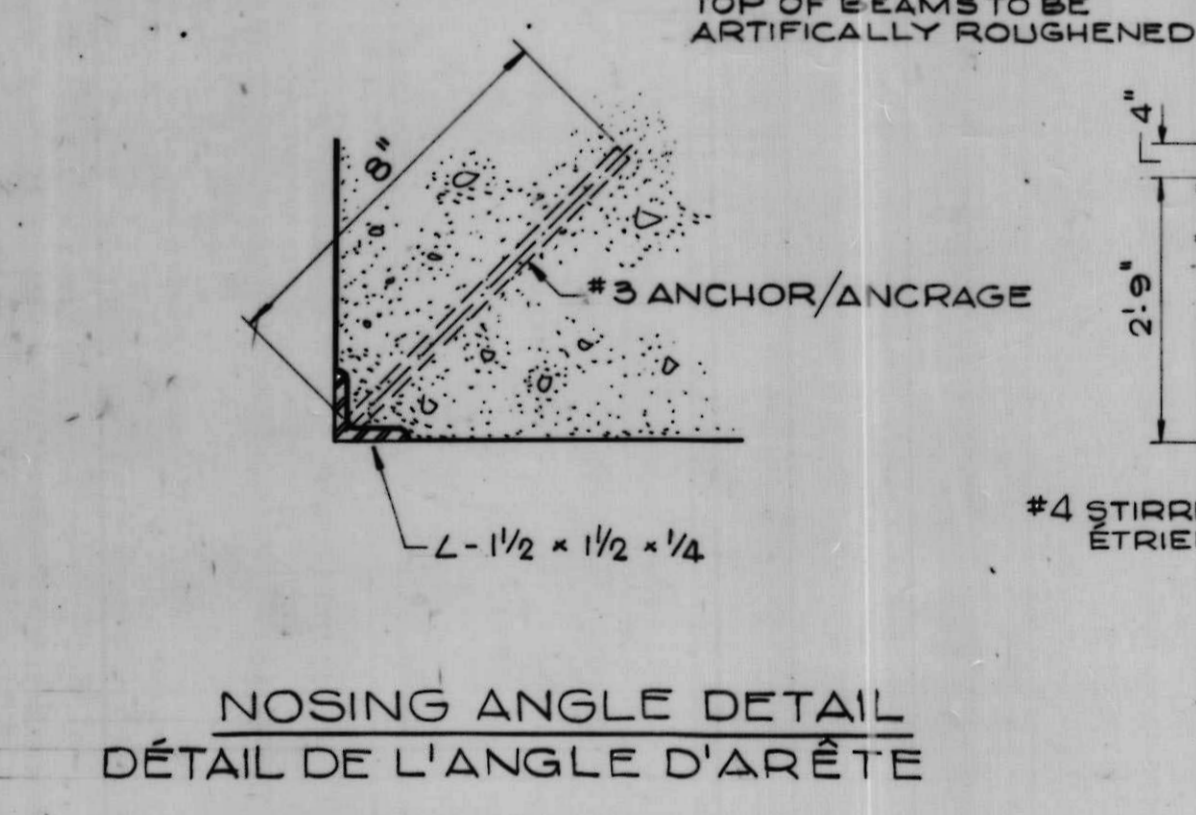
BOX BEAM FRAMING PLAN/PLAN D'ASSEMBLAGE DES POUTRES-CAISSON
SCALE 1" = 10'-0" ÉCHELLE

- PRESTRESSED CONCRETE NOTES.**
- FOR GENERAL NOTES SEE DRAWING 2.
 - CONCRETE STRENGTH AT 28 DAYS - 5,000 P.S.I.
 - STRANDS - SEVEN WIRE UNCOATED, STRESS RELIEVED 270° GRADE
 - MINIMUM ULTIMATE STRENGTH OF STRAND - 41.3^k
 - FOR PRECAST PRESTRESSED DECK SLABS:
 - LIVE LOAD:
 - PEDESTRIAN WALKWAY - 100 P.S.F.
 - STOP-LOG OPERATION - 150 P.S.F.
 - MINIMUM CLEAR COVER TO REINFORCING STEEL 2"
 - FOR BRIDGE DECK BOX BEAMS:
 - DESIGN IN ACCORDANCE WITH C.S.A. SPECIFICATION S6 - 1974.
 - LIVE LOAD HS20-44 A.A.S.H.O. LOADING.
 - CONCRETE STRENGTH AT TRANSFER - 4,000 P.S.I.
 - INITIAL FORCE PER STRAND - 28.9^k
 - WORK FORCE PER STRAND - 22.0^k
 - TENSION TRANSVERSE TIE RODS TO 29,000 LB. AND GROUT.
 - MINIMUM CLEAR COVER TO REINFORCING STEEL 1 1/2"
 - REINFORCING STEEL SHALL BE ACCORDING TO C.S.A. SPECIFICATION 630.12, GRADE 50 OR 60.
 - ALL CONCRETE EDGES SHALL BE CHAMFERED OR ROUNDED.

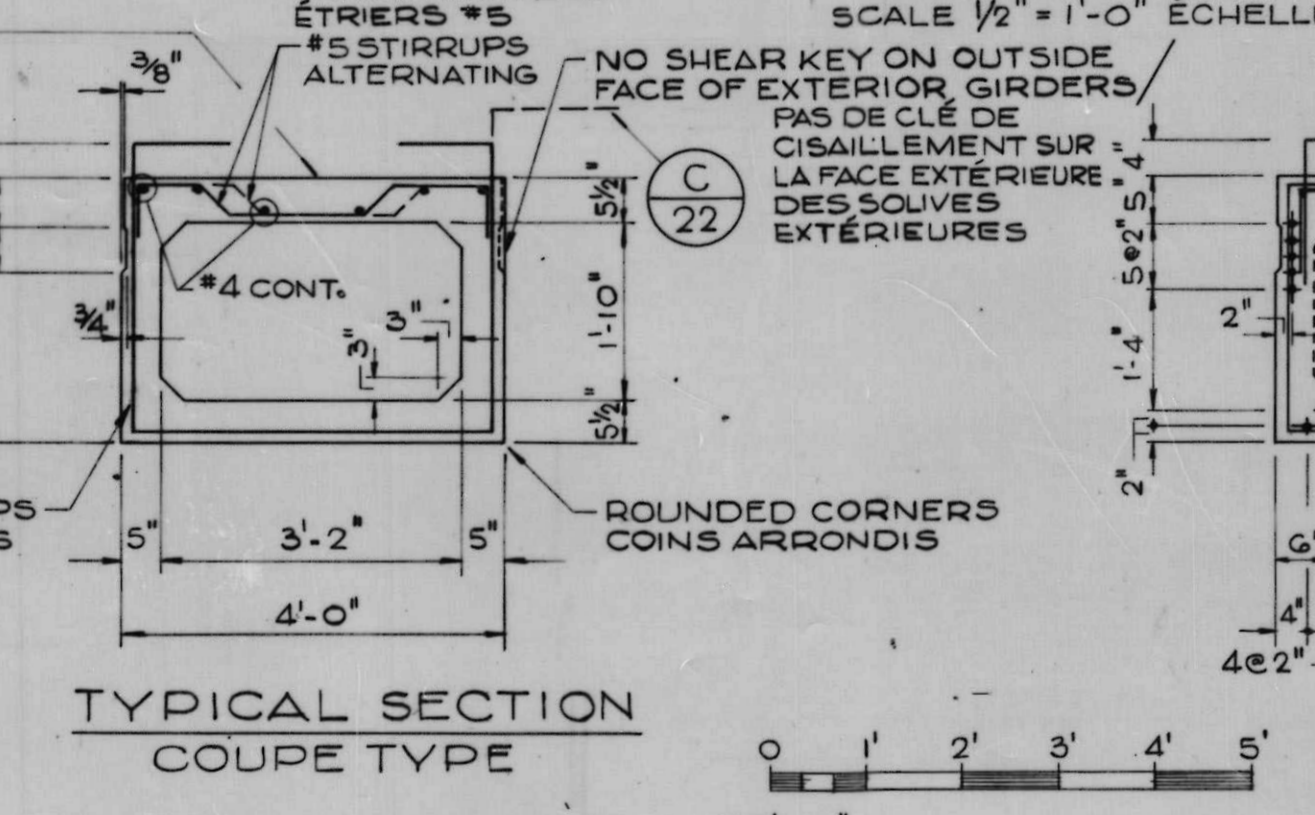
- NOTES DU BÉTON PRÉFABRIQUÉ**
- POUR LES NOTES GÉNÉRALES VOIR LE DESSIN 2.
 - RÉSISTANCE DU BÉTON AU 28 JOURS - 5,000 AU PONCE CARRÉ.
 - CÂBLES - PORTEUR 7 FILS NON-GOUDRONNÉS DÉTENDUS - 270° QUALITÉ.
 - RÉSISTANCE ULTIME MINIMALE DU CÂBLE - PORTEUR - 41.3^k
 - POUR LES DALLES DU PALIER PRÉ-TENDUES PRÉFABRIQUÉES:
 - CHARGE DYNAMIQUE:
 - MARCHE POUR PIÉTONS - 100 AU PIED CARRÉ
 - PALIER OPÉRATIONNEL DE LA VANNE À POUTRELLES - 150 AU PIED CARRÉ
 - PROTECTION MINIMALE À L'ACIER D'ARMATURE 2"
 - POUR LES POUTRES - CAISSON DU PALIER DU PONT:
 - LE DESIGN SERA SELON LES EXIGENCES DE LA C.S.A., 36 - 1974
 - LA CHARGE DYNAMIQUE HS20-44 CHARGEMENT A.A.S.H.O.
 - LA RÉSISTANCE DU BÉTON AU TRANSFERT - 4,000 AU PONCE CARRÉ
 - LA FORCE INITIALE PAR CÂBLE - PORTEUR 28.9^k
 - LA FORCE DE PUISSANCE PAR CÂBLE - PORTEUR 22.0^k
 - LA TENSION DES TIGES D'ATTACHE TRANSVERSALES À 29,000 LB. ET COULIS
 - PROTECTION MINIMALE À L'ACIER D'ARMATURE 1 1/2"
 - TOUS LES BORDS DU BÉTON SERONT BISEAUTÉS OU ARRONDIS



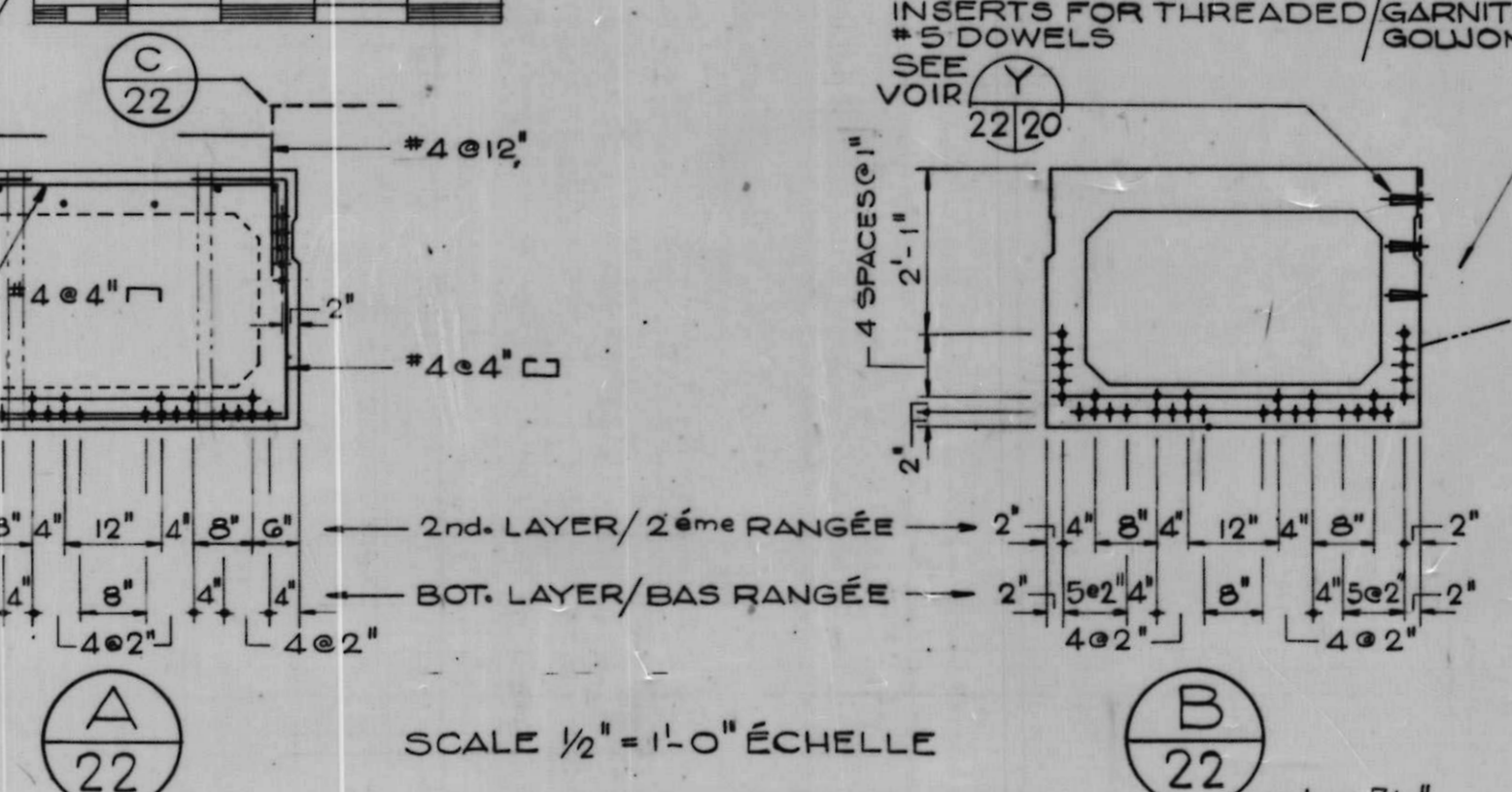
HALF ELEVATION - WEST AND EAST SPAN BOX BEAMS/DEMI-ÉLÉVATION, POUTRES-CAISSONS DES TRAVERSES OUEST & EST



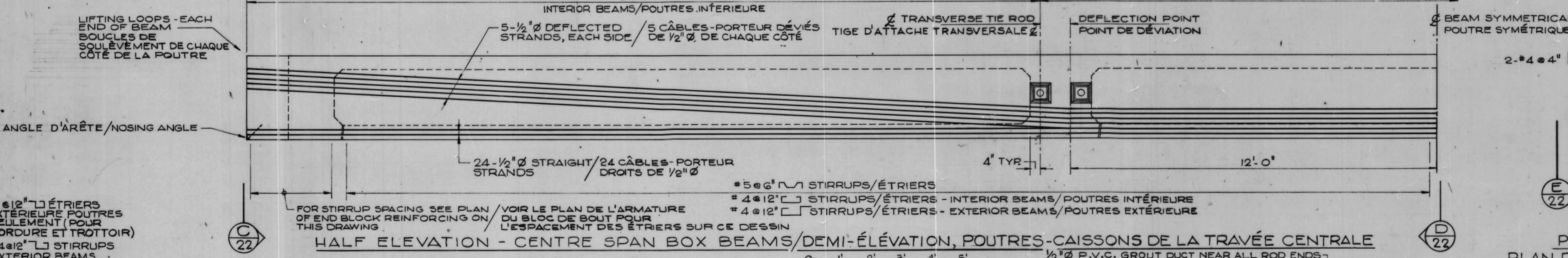
NOSING ANGLE DETAIL
DÉTAIL DE L'ANGLE D'ARÊTE



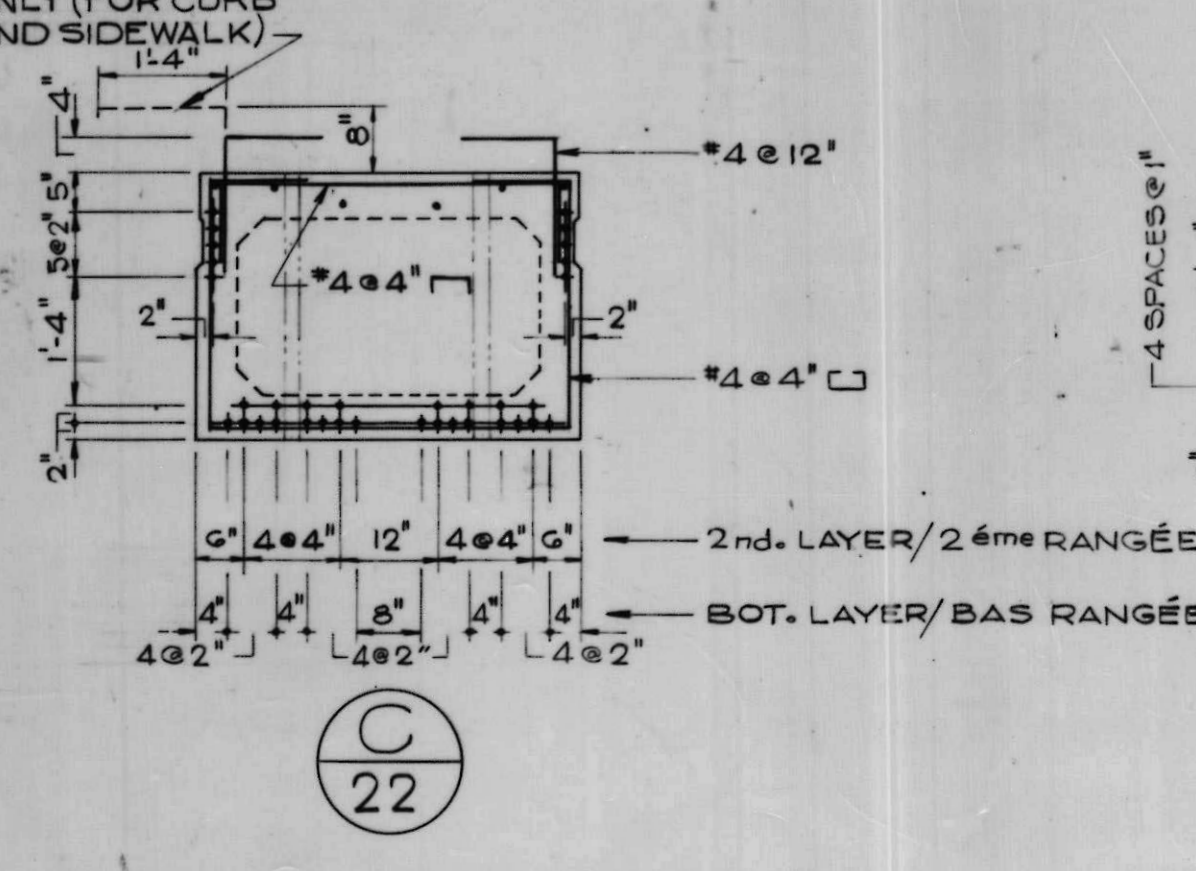
TYPICAL SECTION
COUPE TYPE



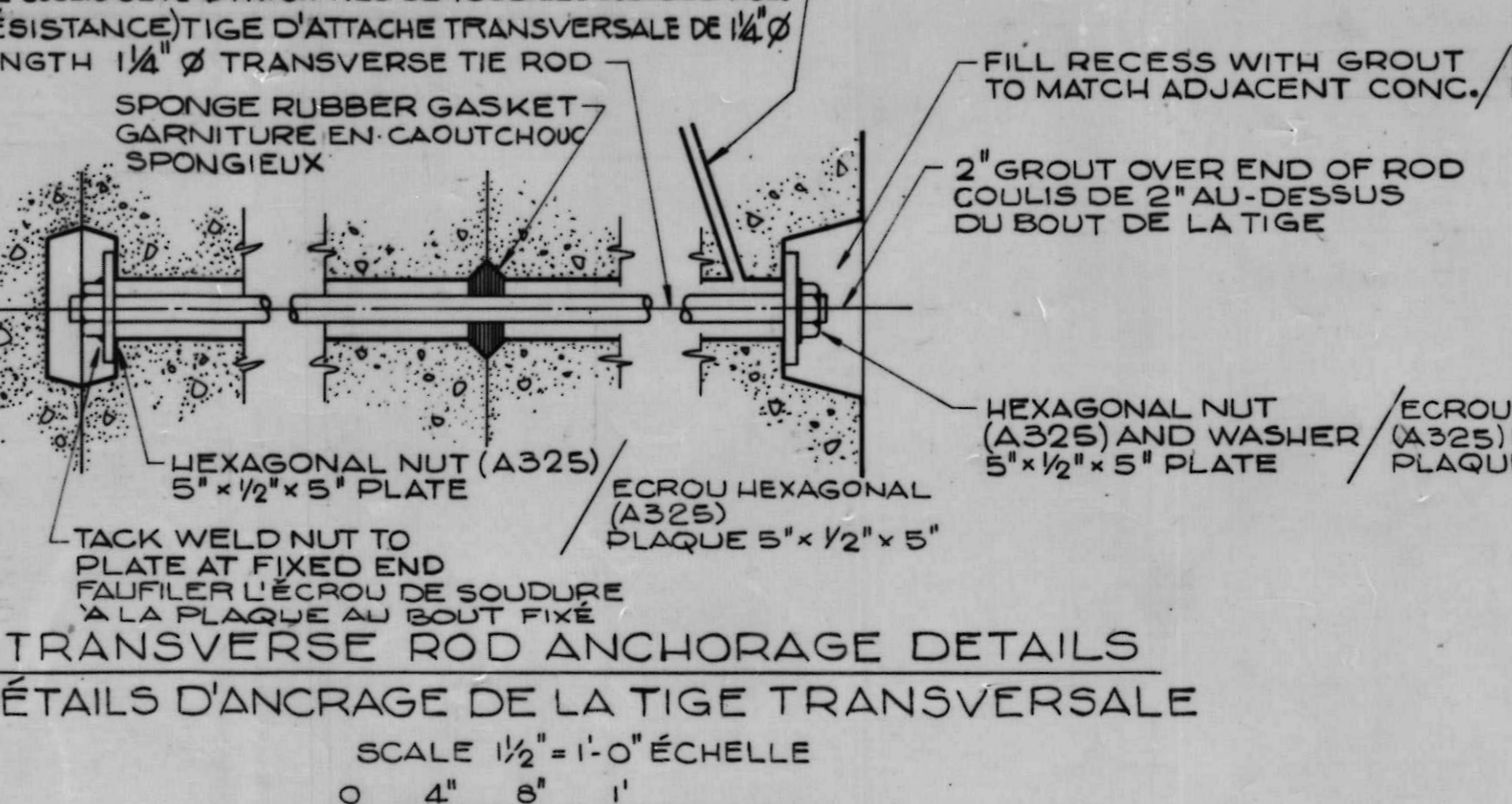
DETAIL DE LA CLÉ DE CISALEMENT
SHEAR KEY DETAIL



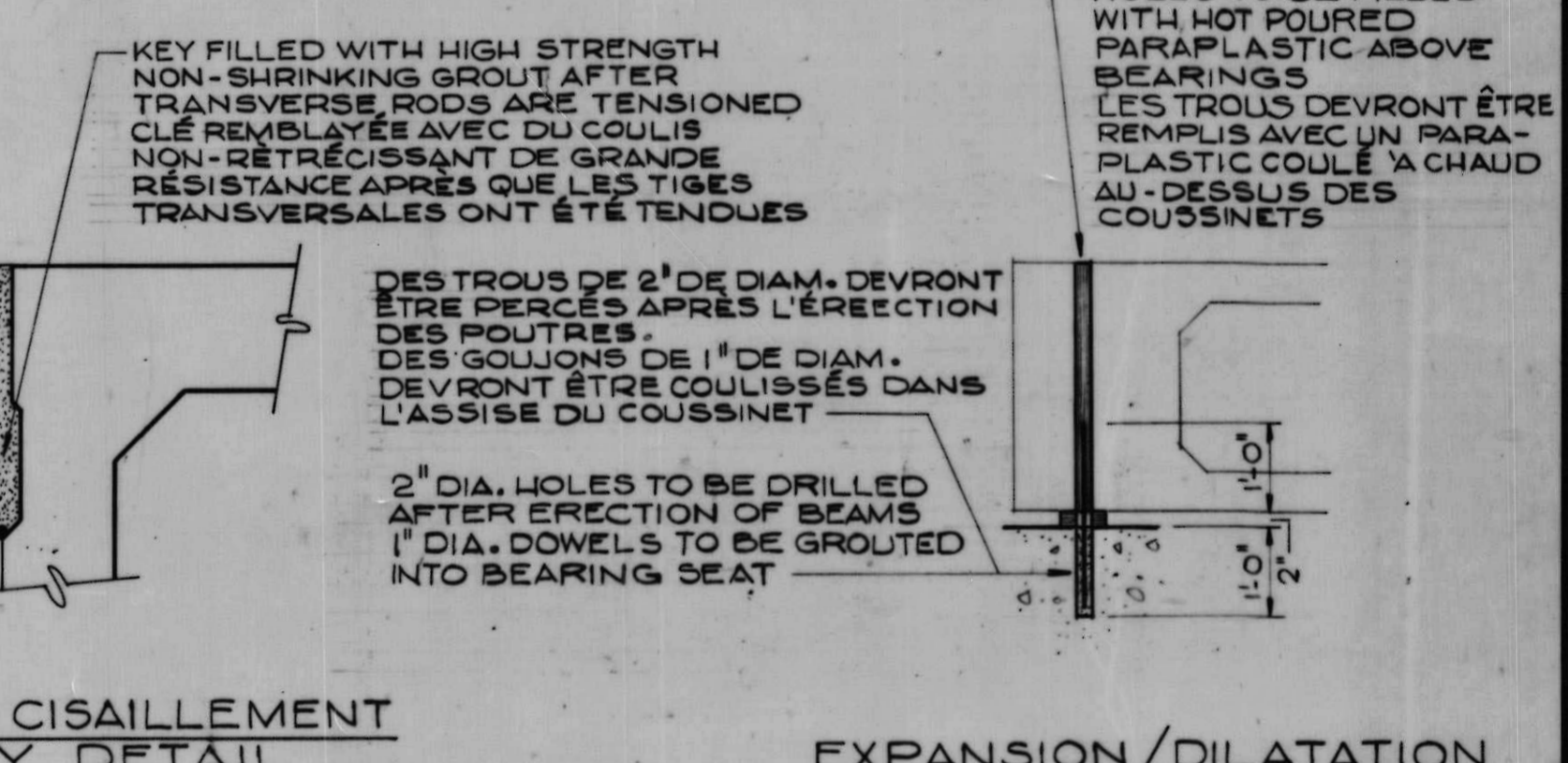
HALF ELEVATION - CENTRE SPAN BOX BEAMS/DEMI-ÉLÉVATION, POUTRES-CAISSONS DE LA TRAVÉE CENTRALE



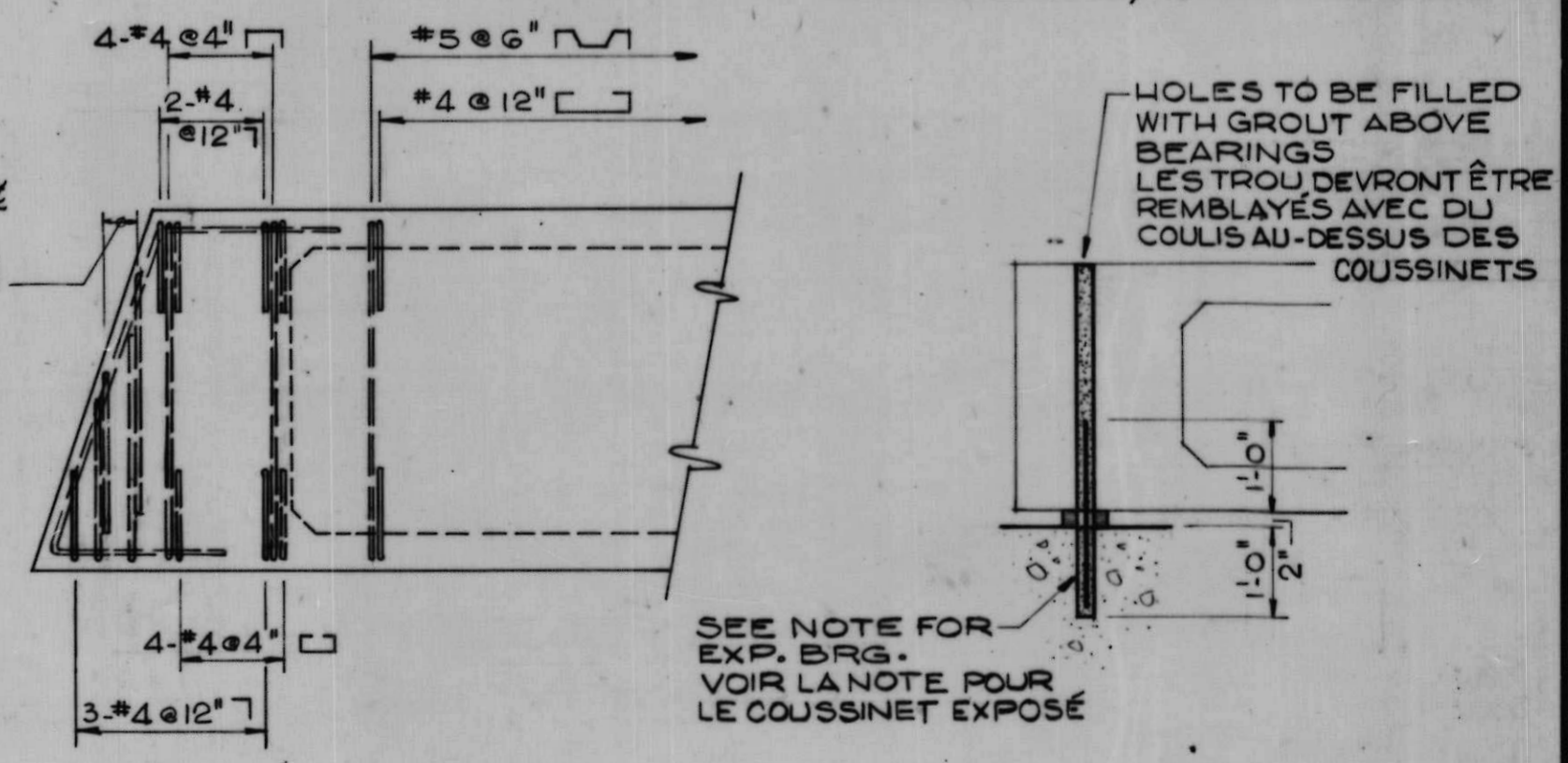
TYPICAL DIAPHRAGM - ALL BEAMS
DIAPHRAGME TIPIQUE
TOUTES LES POUTRES



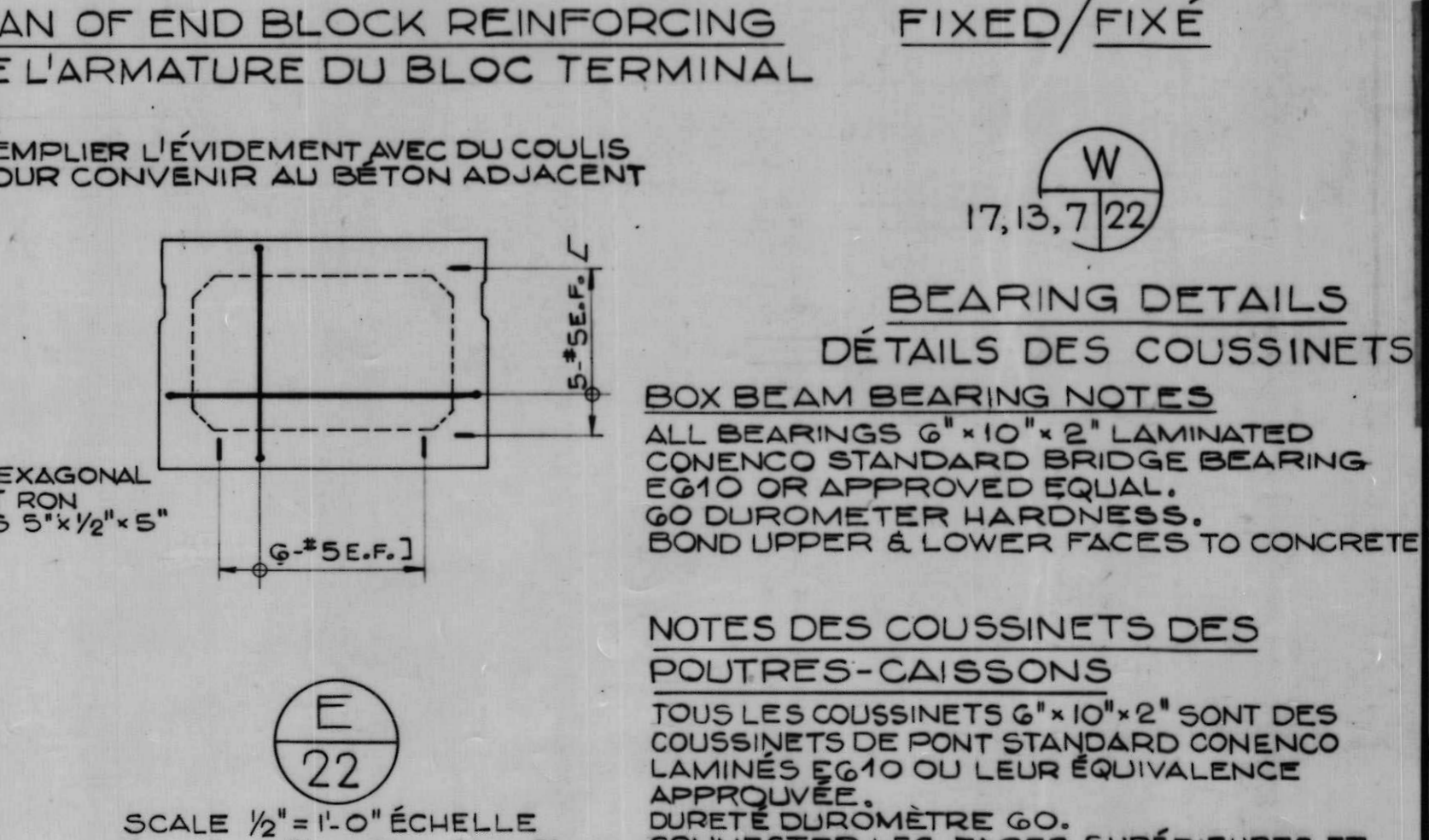
TRANSVERSE ROD ANCHORAGE DETAILS
DÉTAILS D'ANCRAGE DE LA TIGE TRANSVERSALE



EXPANSION/DILATATION



PLAN OF END BLOCK REINFORCING
PLAN DE L'ARMATURE DU BLOC TERMINAL



BEARING DETAILS
DÉTAILS DES COUSSINETS

BOX BEAM BEARING NOTES
ALL BEARINGS 6" x 10" x 2" LAMINATED CONCRETE STANDARD BRIDGE BEARING E 610 OR APPROVED EQUIVALENT. 60 DIAMETER HARDNESS. BOND UPPER & LOWER FACES TO CONCRETE

NOTES DES COUSSINETS DES POUTRES-CAISSONS
TOUS LES COUSSINETS 6" x 10" x 2" SONT DES COUSSINETS DE PONT STANDARD CONCRETE LAMINÉS E 610 OU LEUR ÉQUIVALENCE APPROUVÉE. DURETÉ DIAMÈTRE 60. CONNECTER LES FACES SUPÉRIEURES ET INFÉRIEURES AU BÉTON.

Indian and Northern Affairs / Affaires indiennes et du Nord

C.C. Parker and Associates Limited
Consulting Engineers
Ottawa, Ontario

AS BUILT, FROM FIELD RECORDS
DEC. 29, 1977

revision	date

detail no.	détail no.
B location dwg. no.	sur dessin no.
C drawing no.	dessin no.

drawn by / tracé par: G.S.N.
scale / échelle: AS NOTED/NOTÉE

designed by / établi par: Q. I.

checked by / vérifié par: J.D.T.

job captain / chef du projet: J.R.
date: JUNE 30 JUN, 1976

responsible officer / officier responsable date: H.G.
JUNE 30 JUN, 1976

project title / titre du projet: Rideau Canal Hogs Back Dam and Fixed Bridge

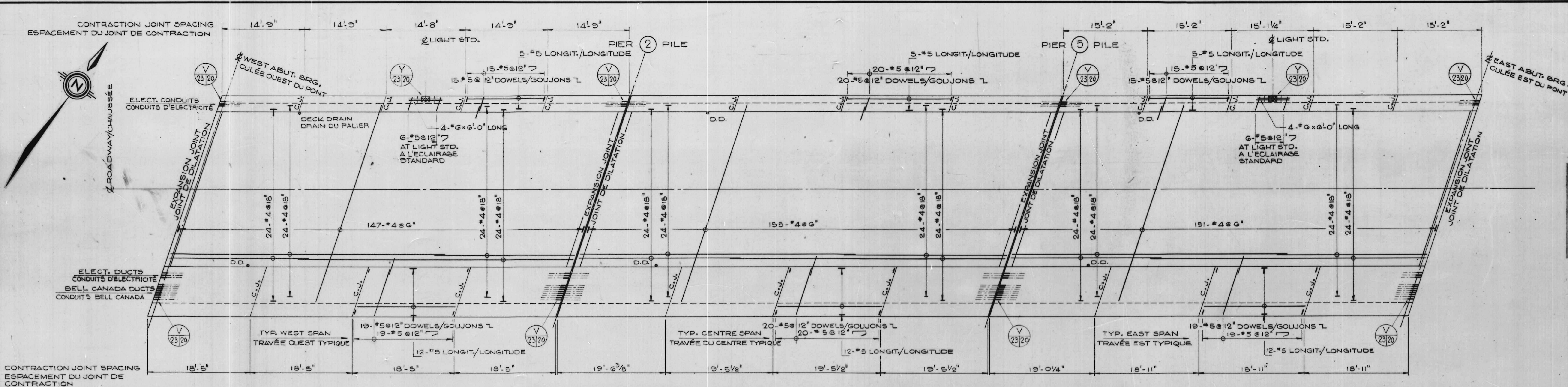
Canal Rideau Barrage et Pont Fixe Hogs Back

drawing title / titre du dessin: BOX BEAMS OF BRIDGE

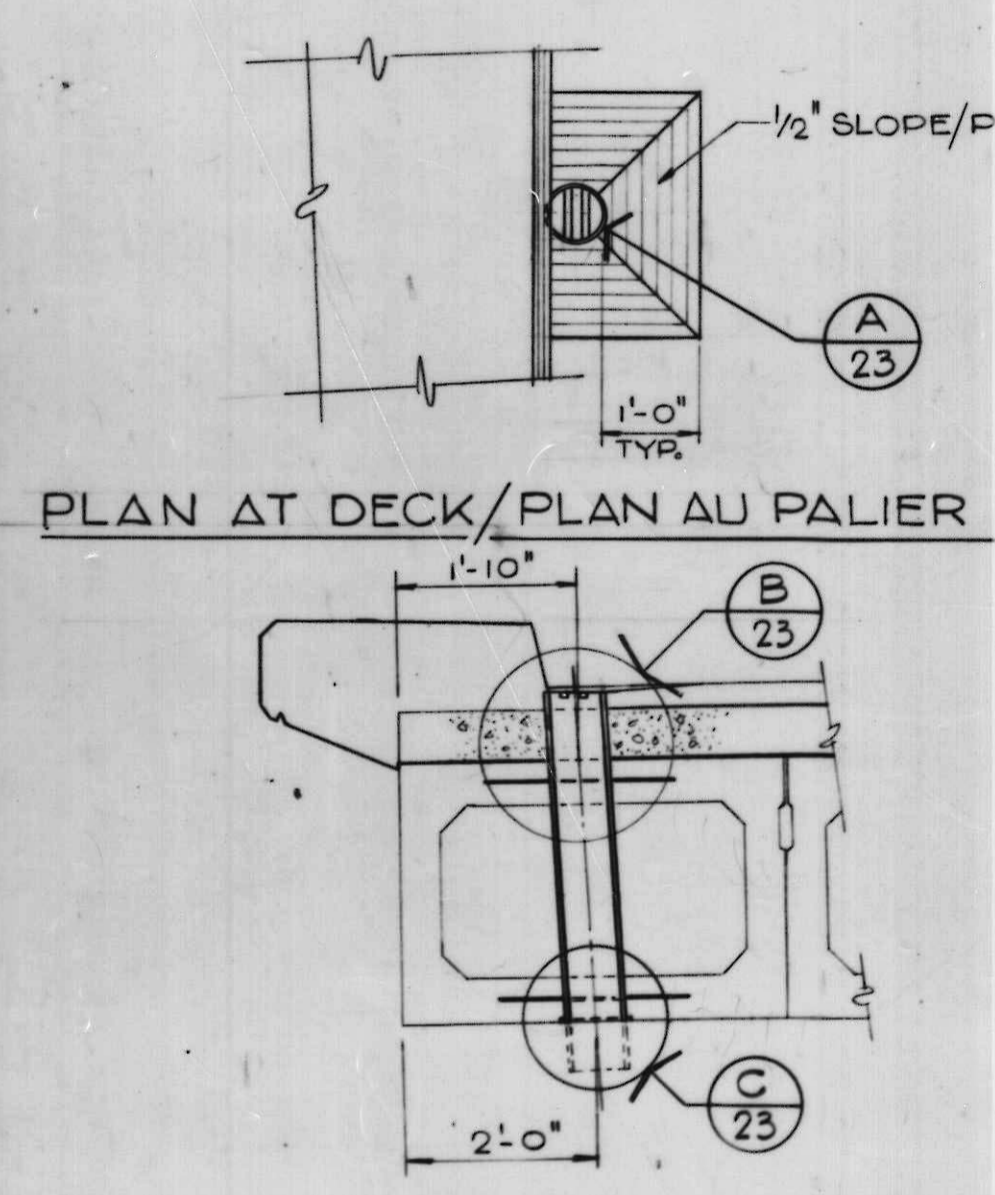
POURTES-CAISSONS DU PONT

reference no. / no de référence: 10-738

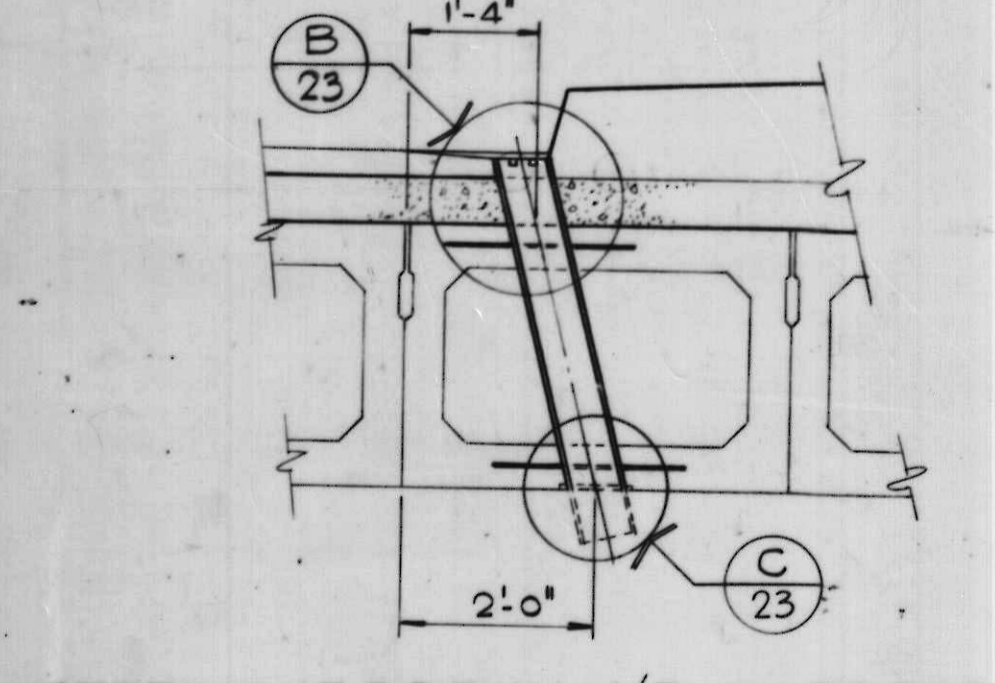
dwg no. / dessin no.: 22



PLAN OF DECK REINFORCING AND LOCATION OF CONTRACTION JOINTS/PLAN D'ARMATURE DU PALIER ET EMPLACEMENT DES JOINTS DE DILATATION
SCALE 1/8" = 1'-0" ÉCHELLE

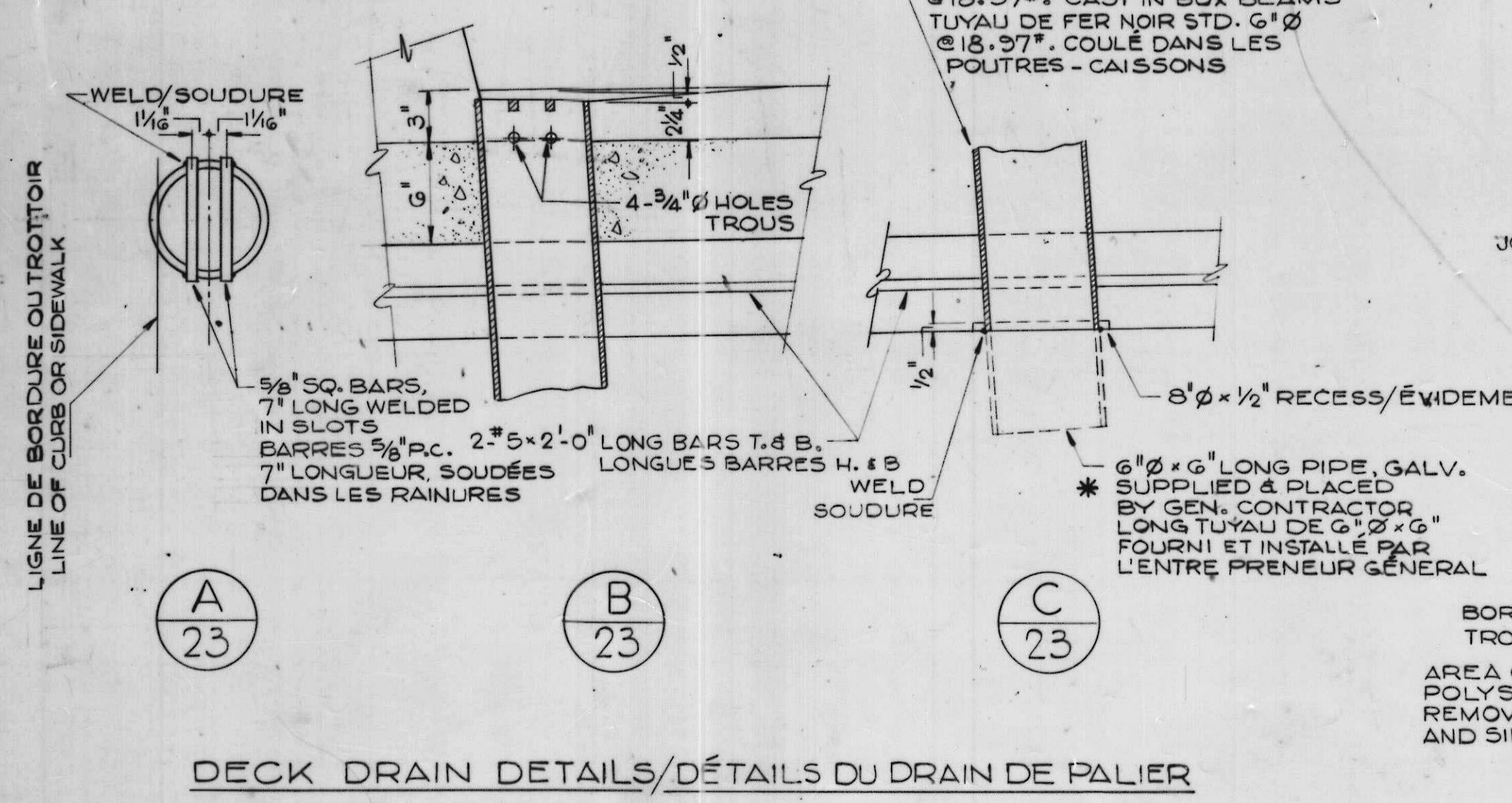


SETTING AT CURB / PLAN DE POSÉ À LA BORDURE

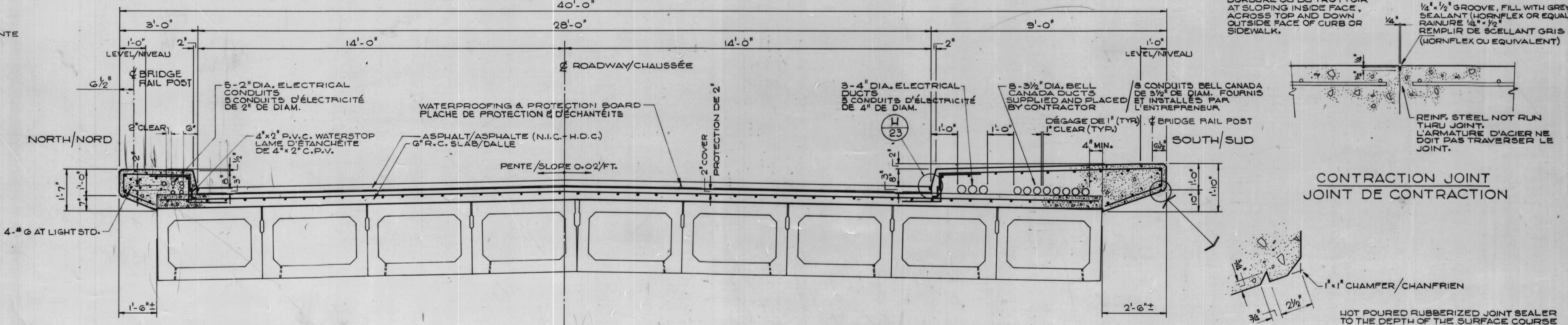


SETTING AT SIDEWALK / PLAN DE POSÉ AU TROTTOIR

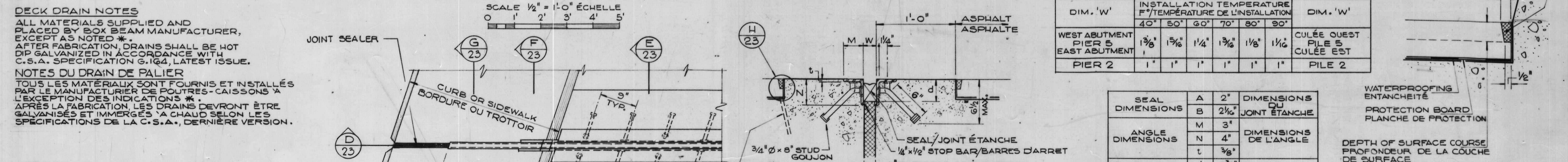
DECK DRAIN NOTES
ALL MATERIALS SUPPLIED AND PLACED BY BOX BEAM MANUFACTURER, EXCEPT AS NOTED *.
AFTER FABRICATION, DRAINS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH C.S.A. SPECIFICATION S.104, LATEST ISSUE.
NOTES DU DRAIN DE PALIER
TOUS LES MATÉRIAUX SONT FOURNIS ET INSTALLÉS PAR LE MANUFACTURIER DE POUTRES-CAISSONS À L'EXCEPTION DES INDICATIONS *.
APRÈS LA FABRICATION, LES DRAINS DEVONT ÊTRE GALVANISÉS ET IMMERGÉS À CHAUD SELON LES SPÉCIFICATIONS DE LA C.S.A., DERNIÈRE VERSION.



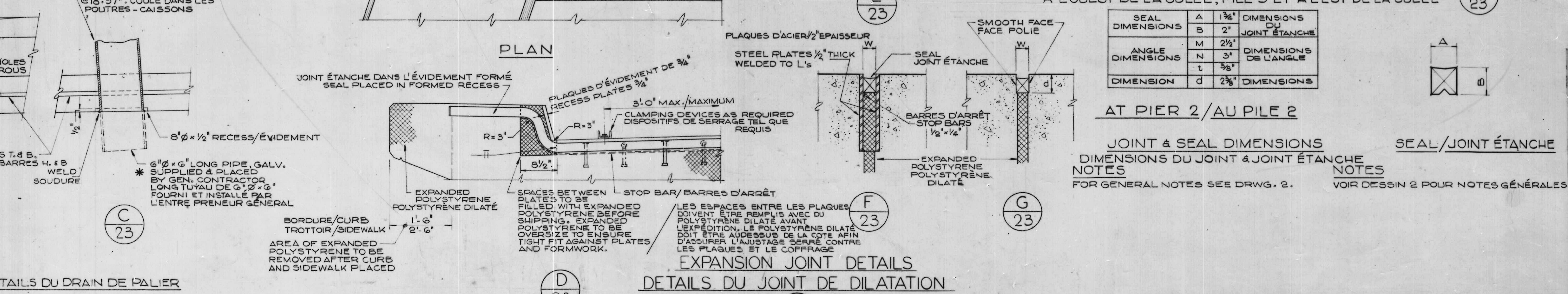
DECK DRAIN DETAILS / DÉTAILS DU DRAIN DE PALIER
SCALE 1/2" = 1'-0" ÉCHELLE



TYPICAL CROSS SECTION / COUPE TRANSVERSALE TYPE
SCALE 1/2" = 1'-0" ÉCHELLE



CONTRACTION JOINT / JOINT DE CONTRACTION



EXPANSION JOINT DETAILS / DÉTAILS DU JOINT DE DILATATION

DIM. 'W'	INSTALLATION TEMPERATURE F / TEMPÉRATURE DE L'INSTALLATION	DIM. 'W'
WEST ABUTMENT PIER 5 EAST ABUTMENT	1 3/8" 1 3/8" 1 1/4" 1 3/8" 1 1/8" 1 1/8"	CULÉE OUEST PIER 5 CULÉE EST
PIER 2	1" 1" 1" 1" 1" 1"	PIER 2

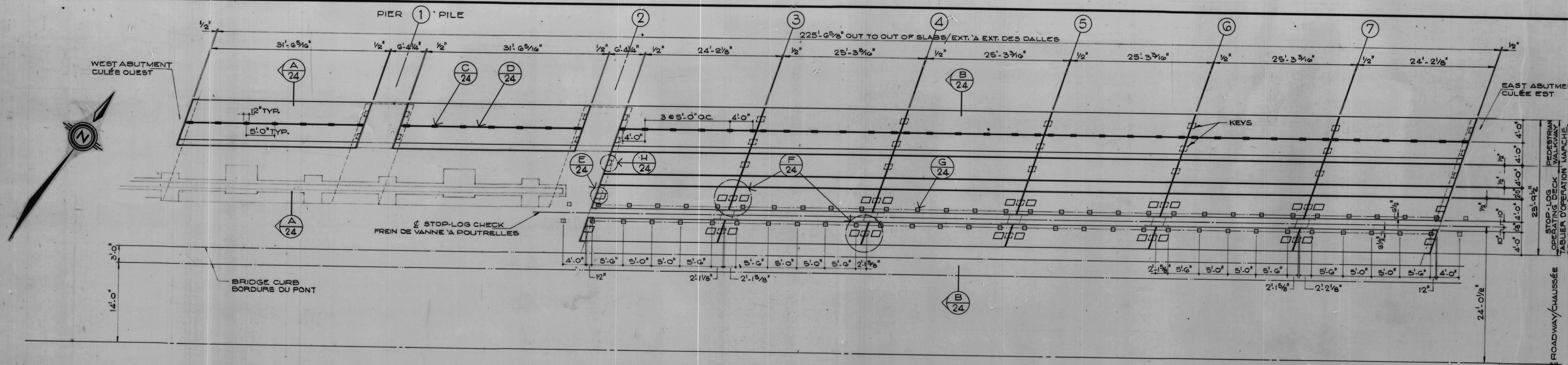
SEAL DIMENSIONS	A 2"	DIMENSIONS DU JOINT ÉTANCHE
ANGLE <td>M 3"</td> <td>DIMENSIONS DE L'ANGLE </td>	M 3"	DIMENSIONS DE L'ANGLE
DIMENSION <td>N 4"</td> <td>DIMENSIONS DE L'ANGLE </td>	N 4"	DIMENSIONS DE L'ANGLE
DIMENSION <td>t 3/8"</td> <td>DIMENSIONS </td>	t 3/8"	DIMENSIONS
DIMENSION <td>d 2 1/2"</td> <td>DIMENSIONS </td>	d 2 1/2"	DIMENSIONS

SEAL DIMENSIONS	A 1 3/4"	DIMENSIONS DU JOINT ÉTANCHE
ANGLE <td>M 2 1/2"</td> <td>DIMENSIONS DE L'ANGLE </td>	M 2 1/2"	DIMENSIONS DE L'ANGLE
DIMENSION <td>N 3"</td> <td>DIMENSIONS DE L'ANGLE </td>	N 3"	DIMENSIONS DE L'ANGLE
DIMENSION <td>t 3/8"</td> <td>DIMENSIONS </td>	t 3/8"	DIMENSIONS
DIMENSION <td>d 2 1/2"</td> <td>DIMENSIONS </td>	d 2 1/2"	DIMENSIONS

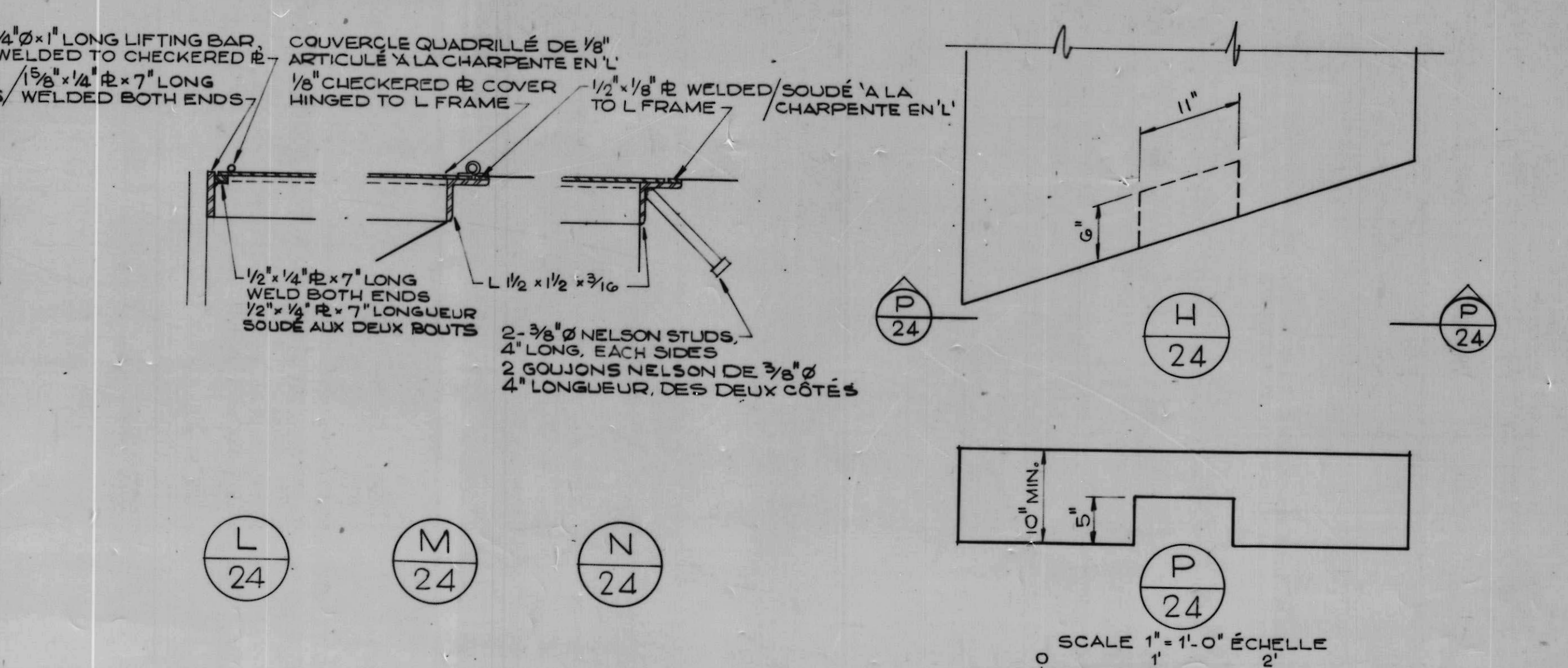
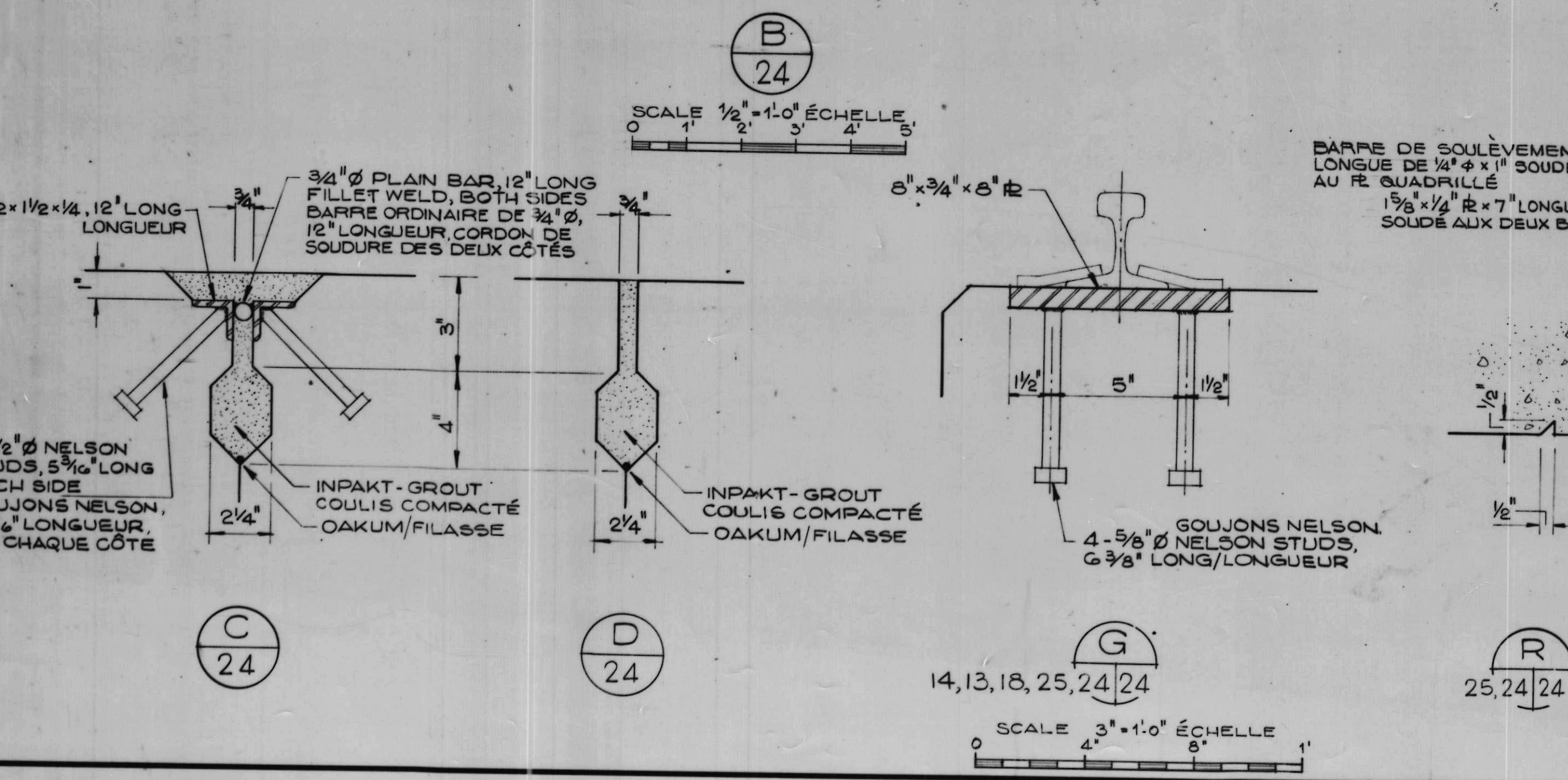
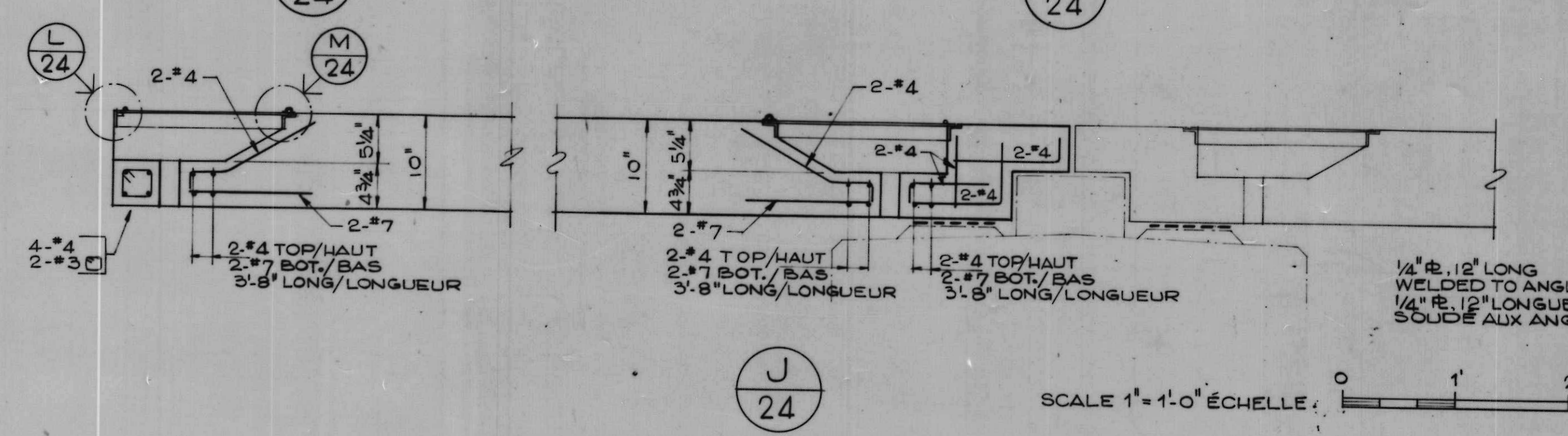
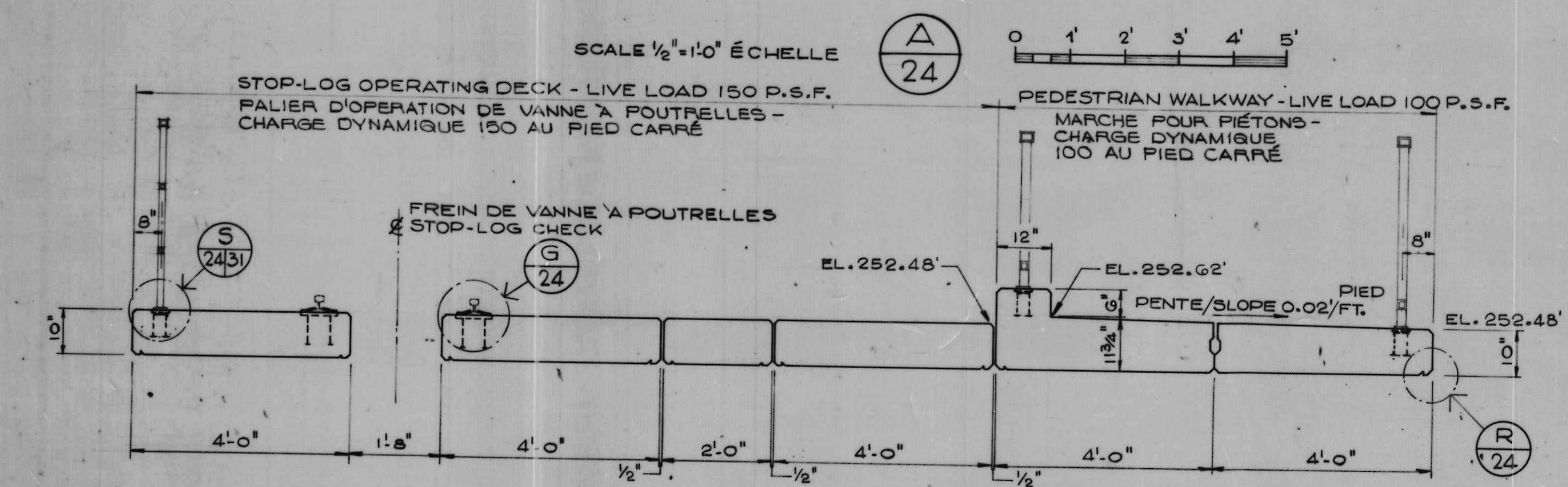
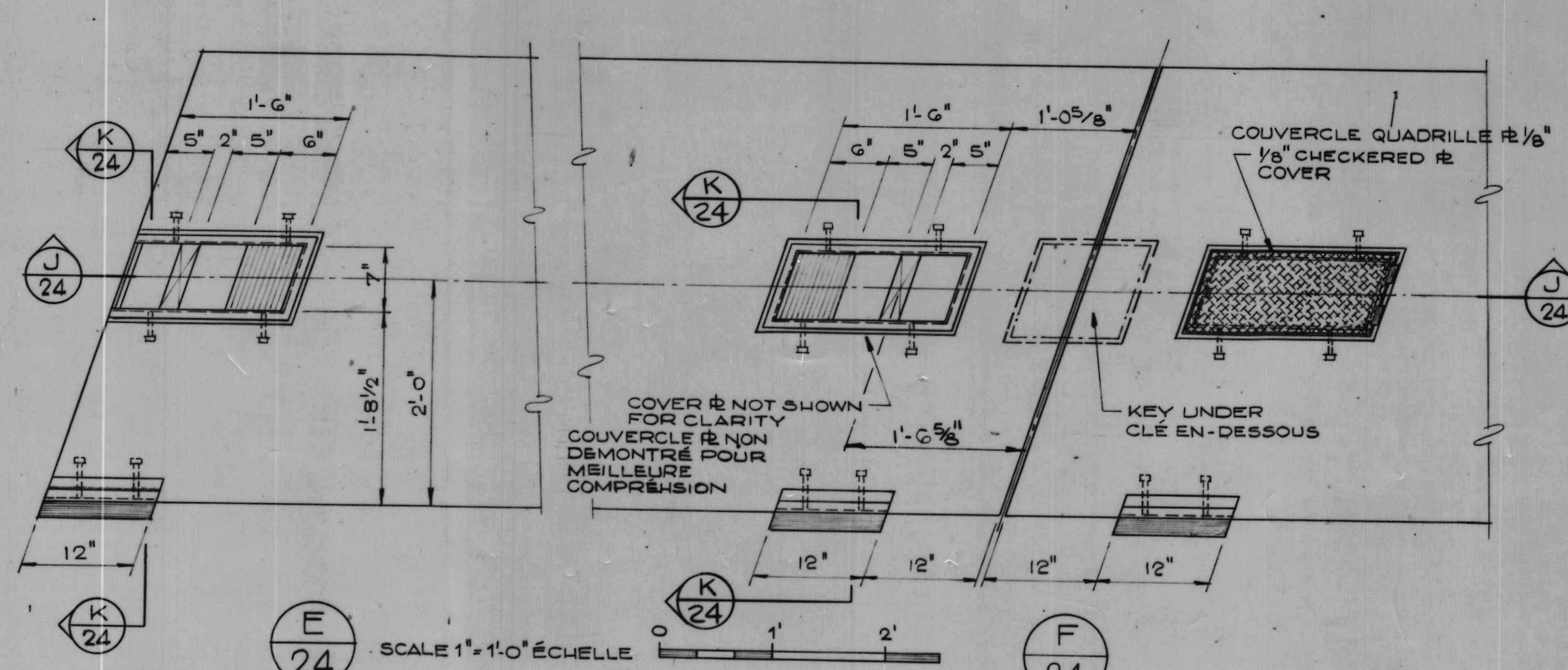
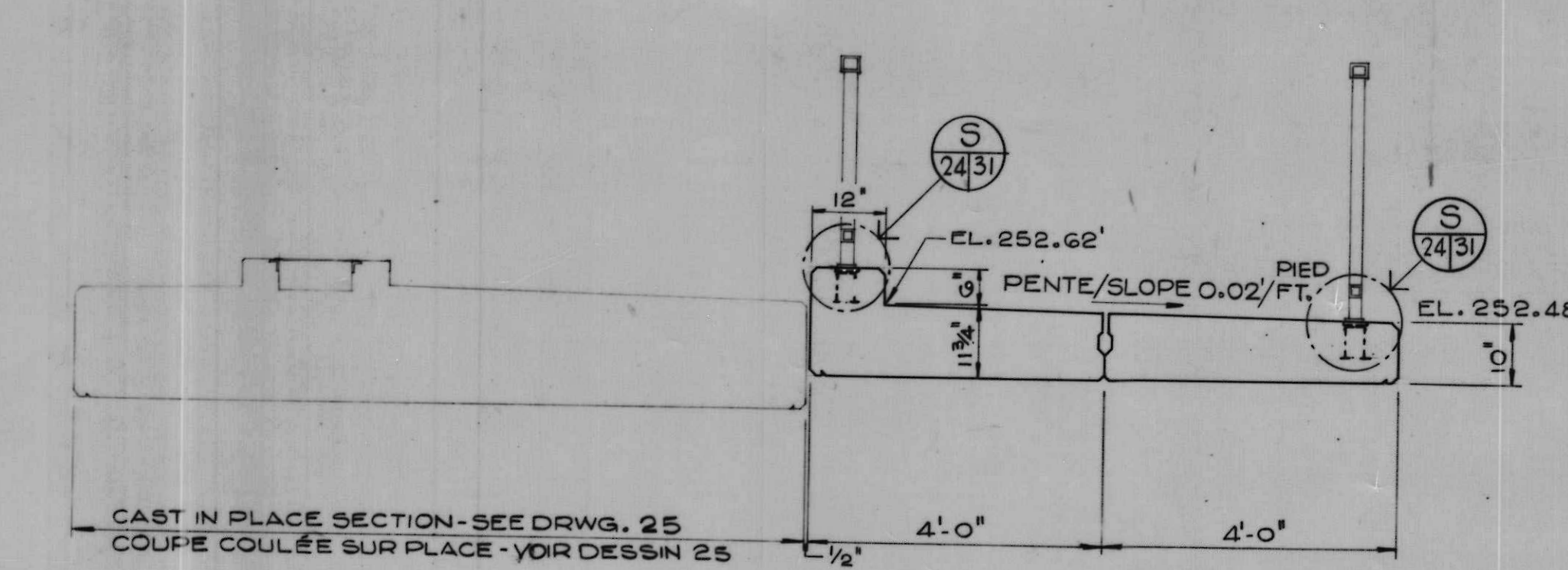
AT WEST ABUTMENT, PIER 5 AND EAST ABUTMENT
À L'OUEST DE LA CULÉE, PILE 5 ET À L'EST DE LA CULÉE

AT PIER 2 / AU PILE 2
JOINT & SEAL DIMENSIONS / DIMENSIONS DU JOINT & JOINT ÉTANCHE
NOTES / NOTES
FOR GENERAL NOTES SEE DRWG. 2. / VOIR DESSIN 2 POUR NOTES GÉNÉRALES





DECK SLAB LAYOUT/AGENCEMENT DE LA TABLE DU TABLIER
 SCALE 1/8" = 1'-0" ÉCHELLE



NOTES
 FOR GENERAL NOTES SEE DRWG. 2.
 FOR PRESTRESSED CONCRETE NOTES SEE DRWG. 22.
 PRECAST PRESTRESSED DECK SLABS TO BE DESIGNED ACCORDING TO C.S.A. SPECIFICATION S6-1974.

NOTES
 VOIR DESSIN 2 POUR NOTES GÉNÉRALES.
 VOIR DESSIN 22 POUR NOTES DU BÉTON PRÉCONTRAIT.
 LES DALLES DE TABLIER PRÉCONTRAIT PRÉFABRIQUÉ DEVONT ÊTRE DESSINÉES SELON LES SPÉCIFICATIONS DE LA CSA S6-1974.

A	A detail no.	détail no.
B	B location dwg. no.	sur dessin no.
C	C drawing no.	dessin no.
drawn by / tracé par		scale / échelle
G. S. N.		AS NOTED/NOTÉE
designed by / établi par		
L. W.		
checked by / vérifié par		
job captain / chef du projet		date
J. R.		JUNE 30 JUNI, 1976
responsible officer / officier responsable		date
H. G.		JUNE 30 JUNI, 1976
project title		titre du projet

Rideau Canal
 Hogs Back Dam
 and Fixed Bridge

Canal Rideau
 Barrage et Pont Fixe
 Hogs Back

drawing title / titre du dessin

PRECAST DECK SLABS
 OF DAM

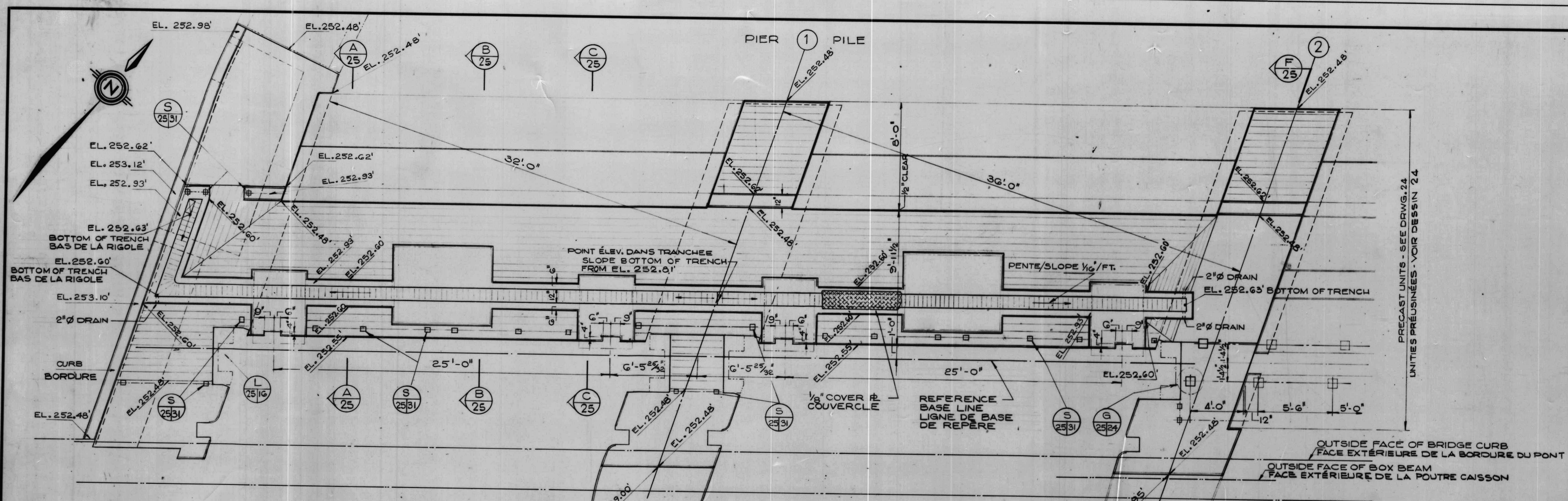
DALLES PRÉFABRIQUÉES DU
 TABLIER DU BARRAGE

reference no. / no de référence

10-738

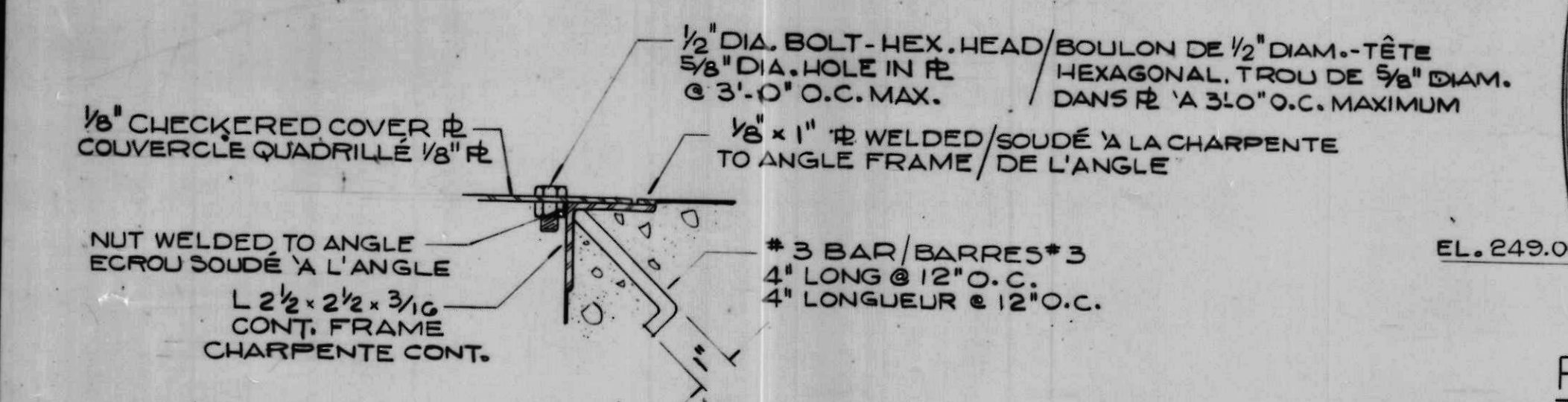
dwg no. / dessin no.

24

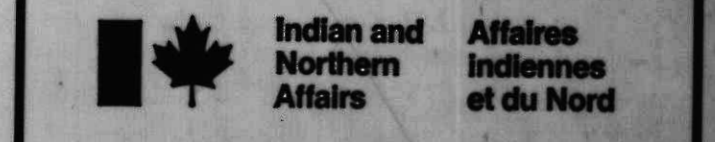
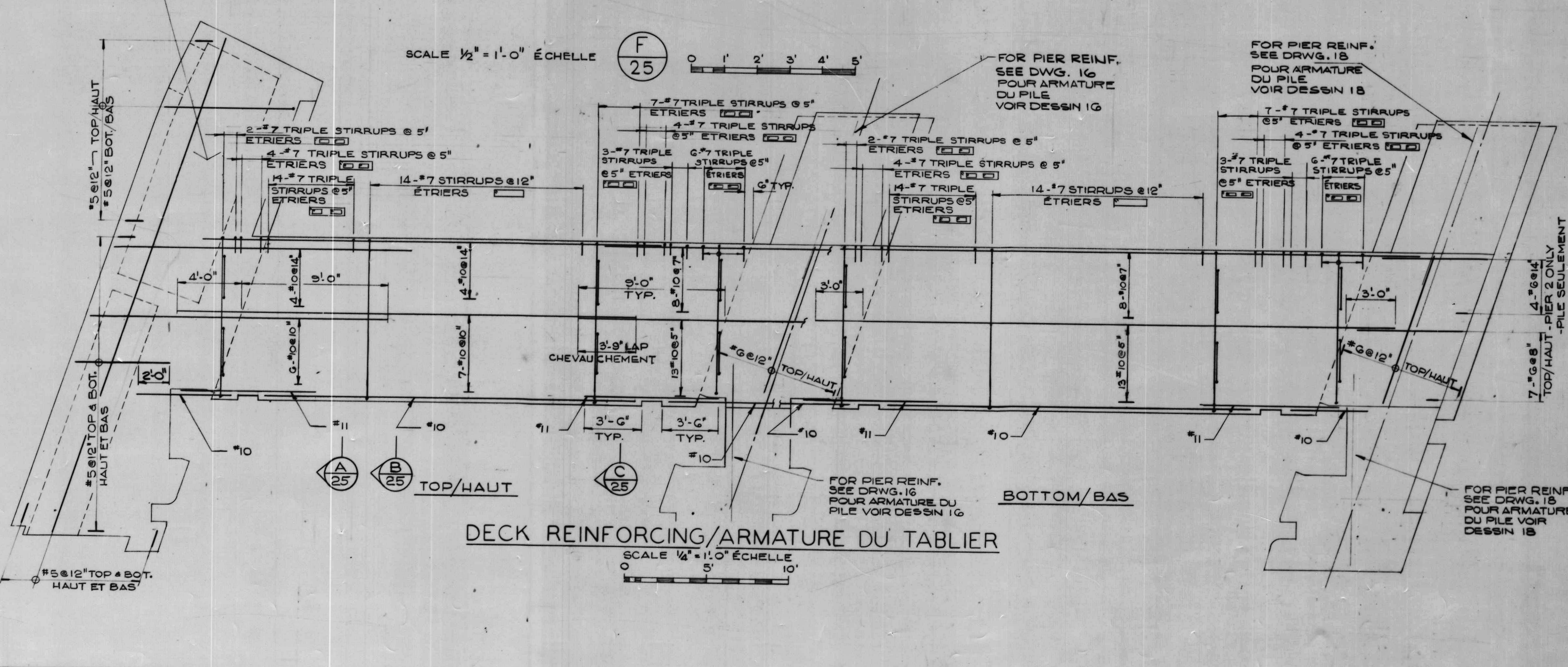
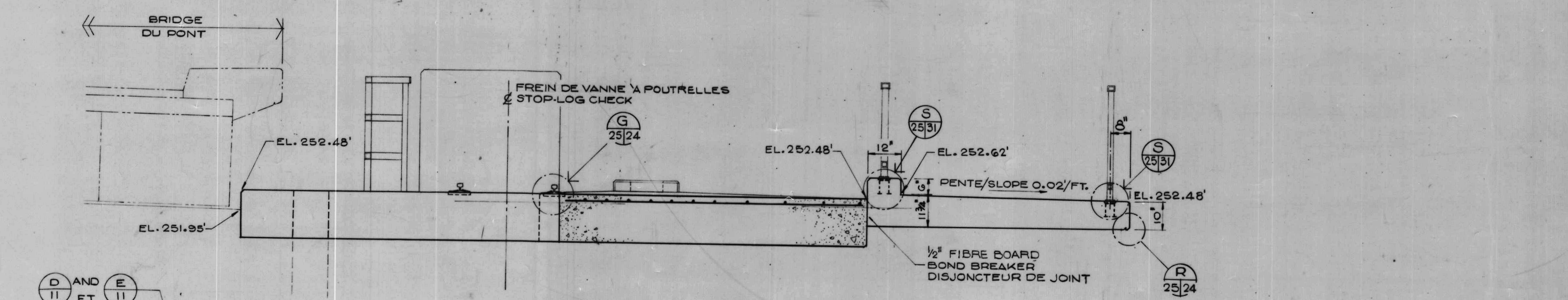
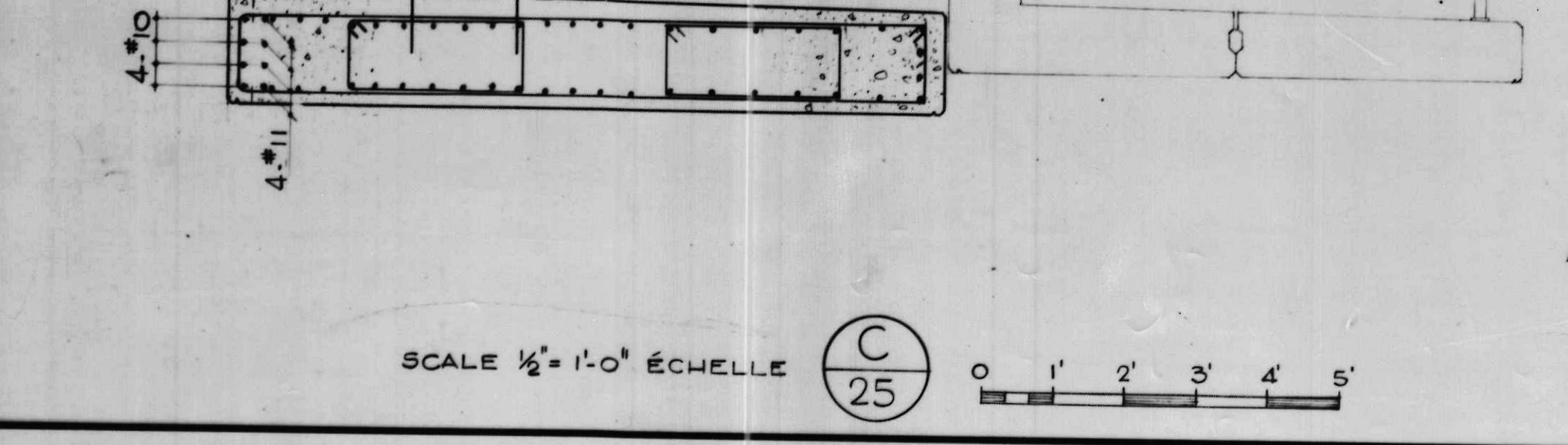
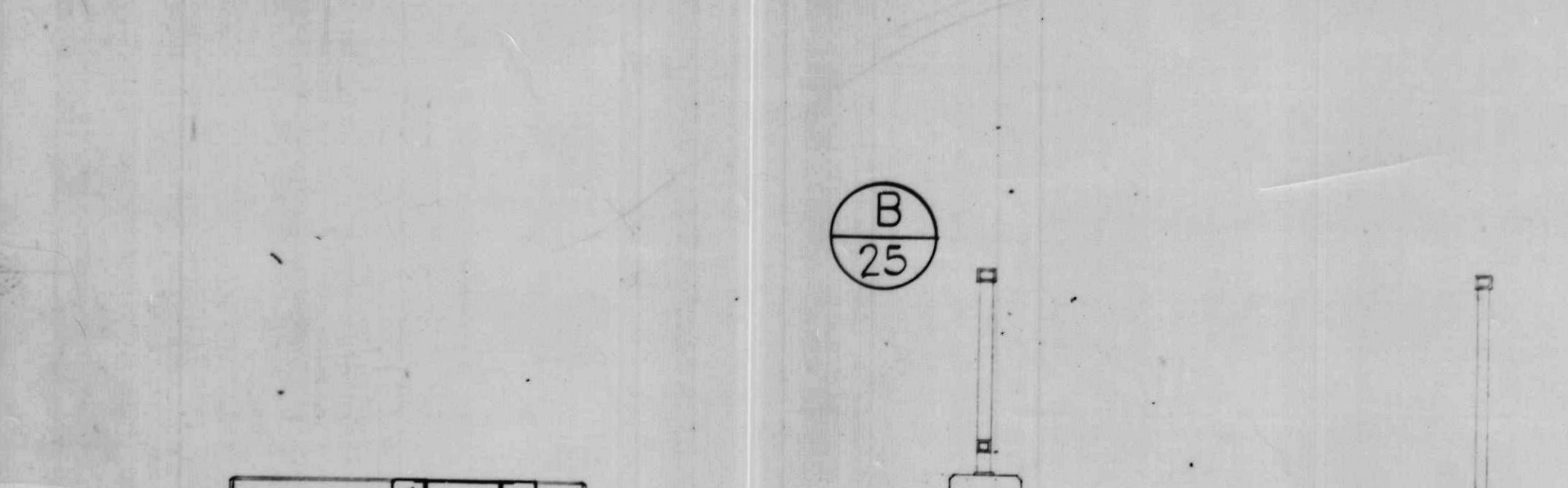
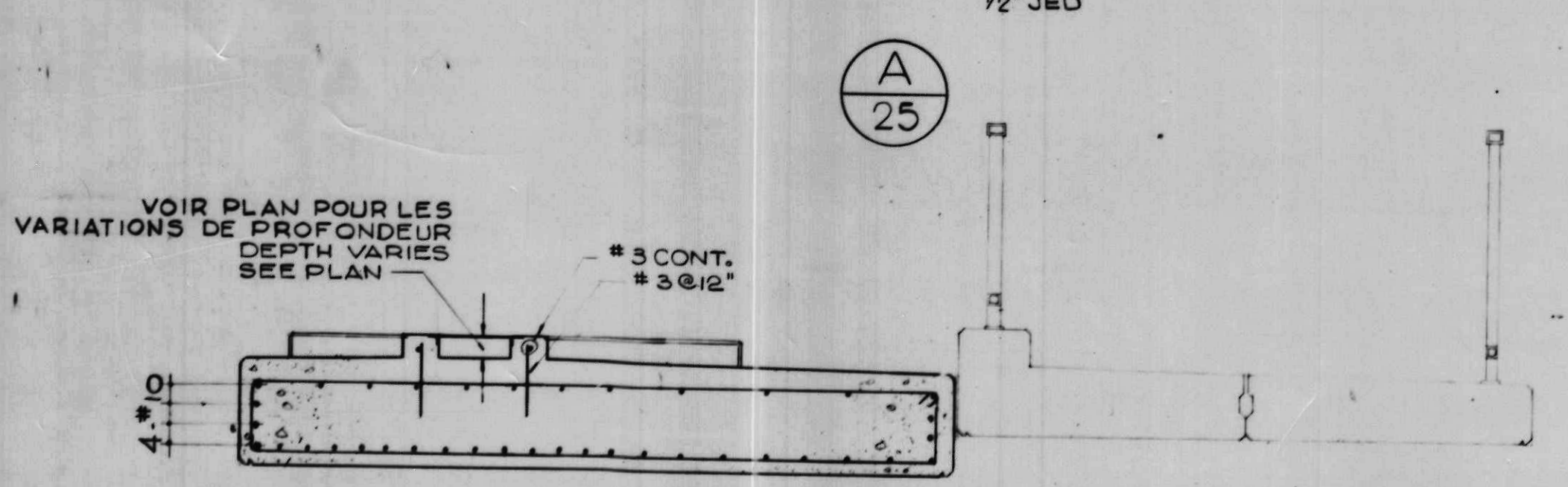
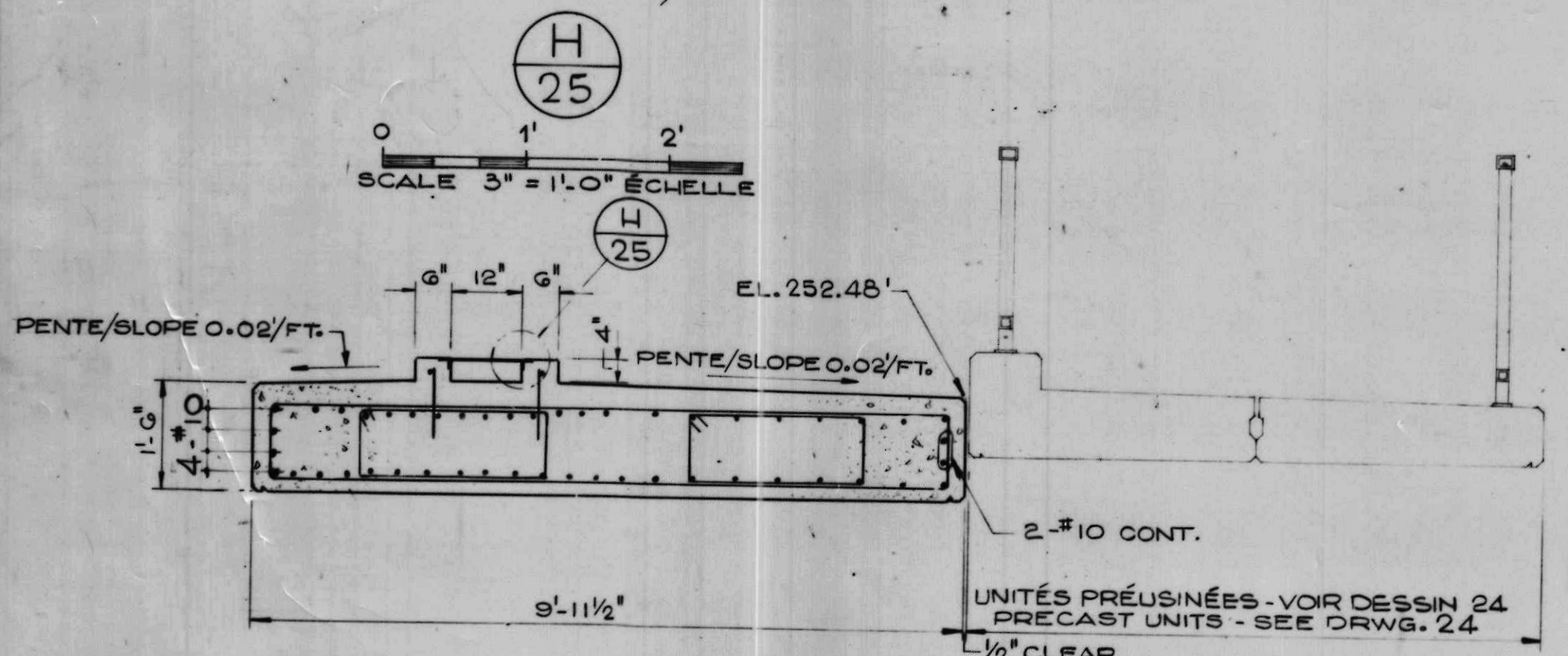


- NOTES
 1. FOR GENERAL NOTES SEE DRWG. 2
 2. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS - 5,000 P.S.I.

NOTES
 VOIR DESSIN 2 POUR NOTES GÉNÉRALES



PLAN



Engineering and Architecture
 Canal Engineering Division

NOTES
 NOTCHES IN THE DECK ADDED. REINFORCING STEEL AND STRENGTH OF CONCRETE ALTERED FEB. 10, 1977
 AS BUILT, FROM FIELD RECORDS
 DEC. 29, 1977

A	detail no.	détail no.
B	location dwg. no.	sur dessin no.
C	drawing no.	dessin no.

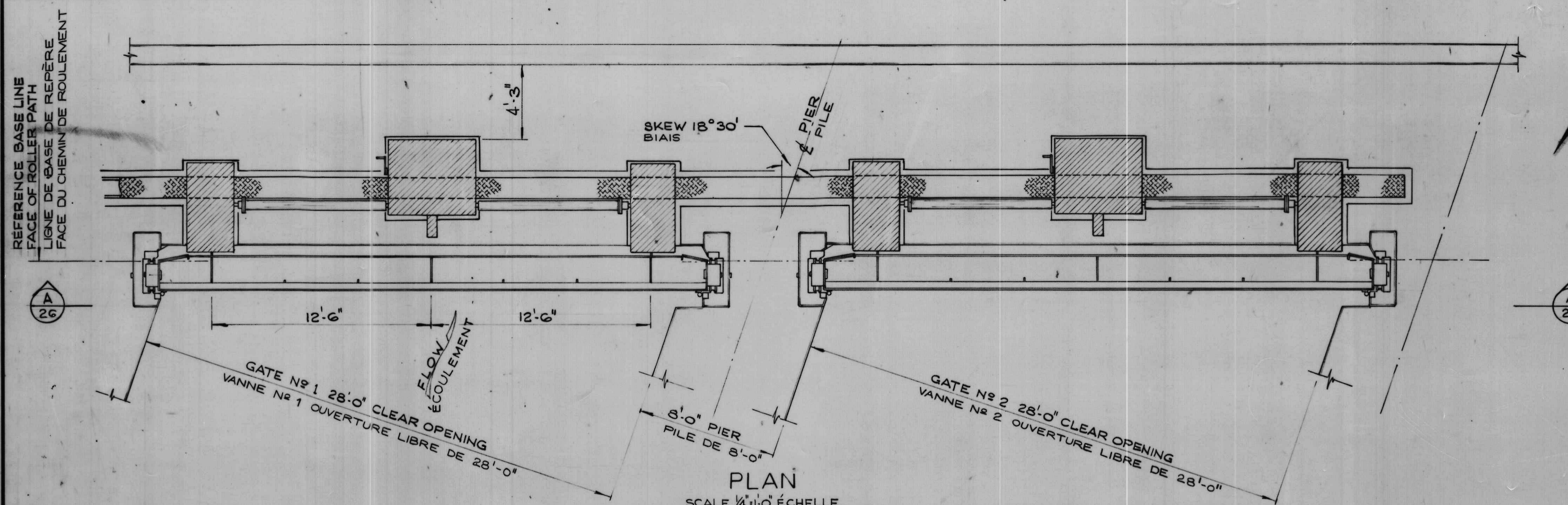
drawn by / tracé par
 G. S. N.
 scale / échelle
 AS NOTED/NOTÉE
 designed by / établi par
 L. W.
 checked by / vérifié par

job captain / chef du projet
 J. R.
 date
 JUNE 30 JUN, 1976
 responsible officer / officier responsable
 H. G.
 date
 JUNE 30 JUN, 1976

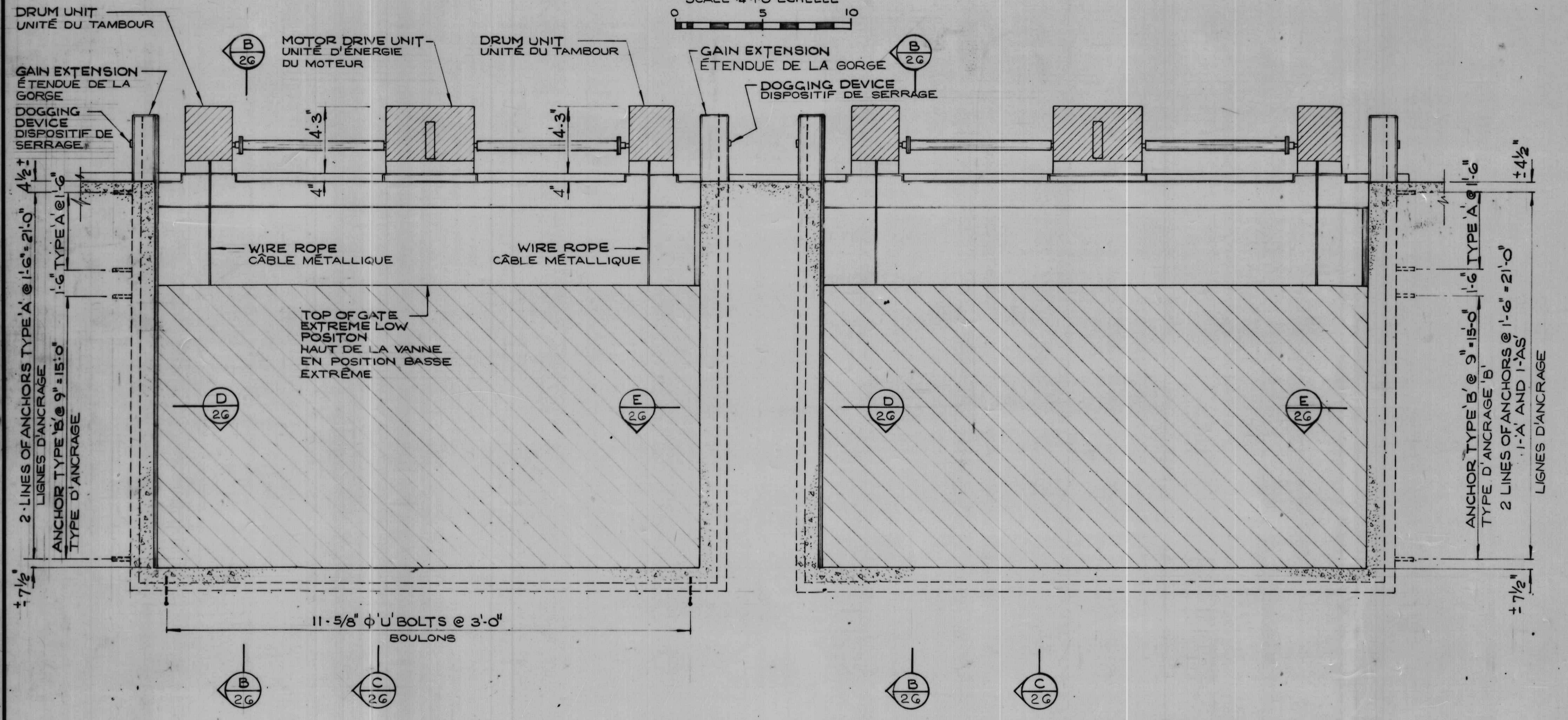
project title / titre du projet
**Rideau Canal
 Hogs Back Dam
 and Fixed Bridge**
**Canal Rideau
 Barrage et Pont Fixe
 Hogs Back**

drawing title / titre du dessin
**CAST IN PLACE DECK
 OF DAM
 COULÉ SUR PLACE DU
 TABLIER DU BARRAGE**

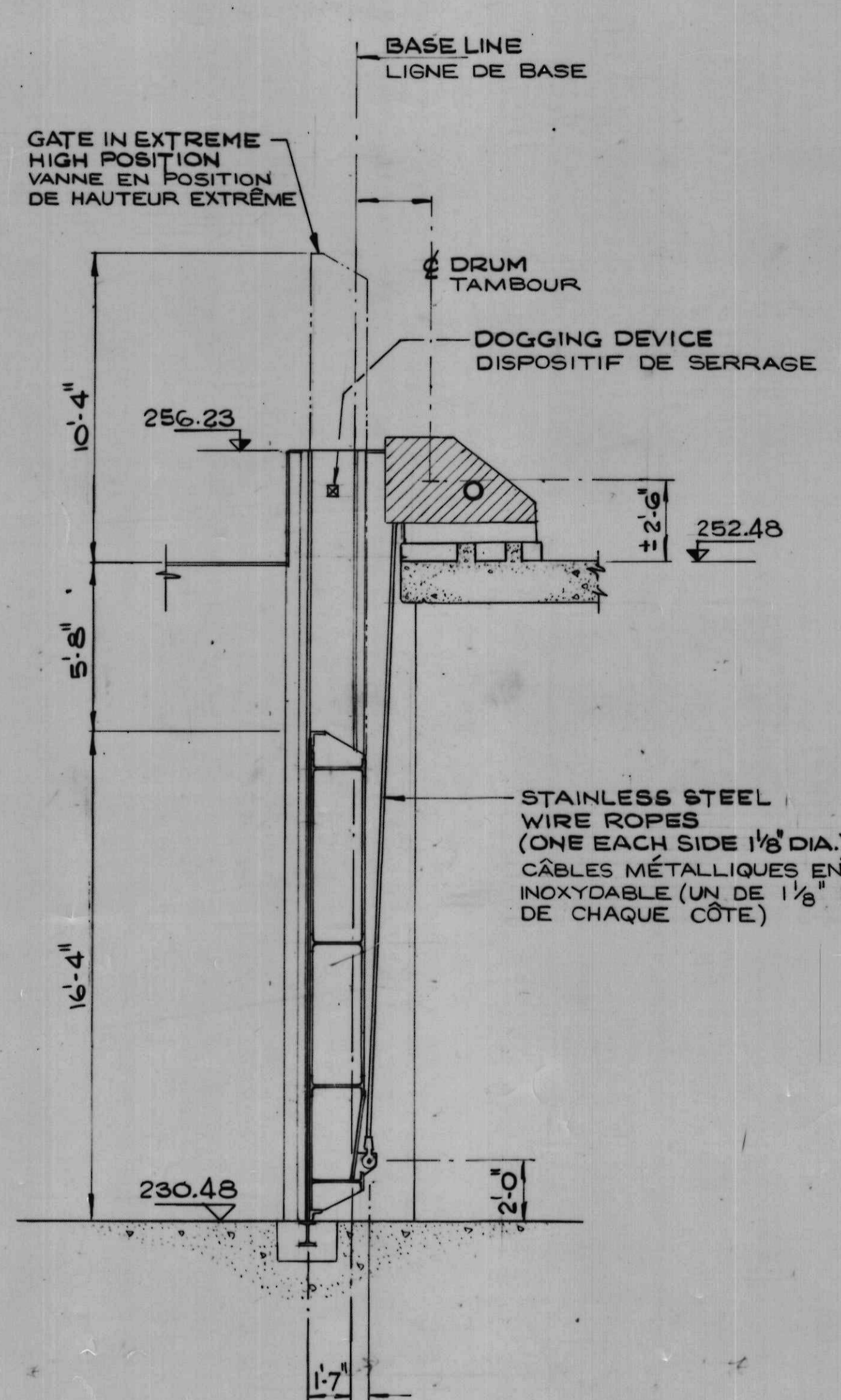
reference no.
 no de référence
10-738
 dwg no.
 dessin no.
25



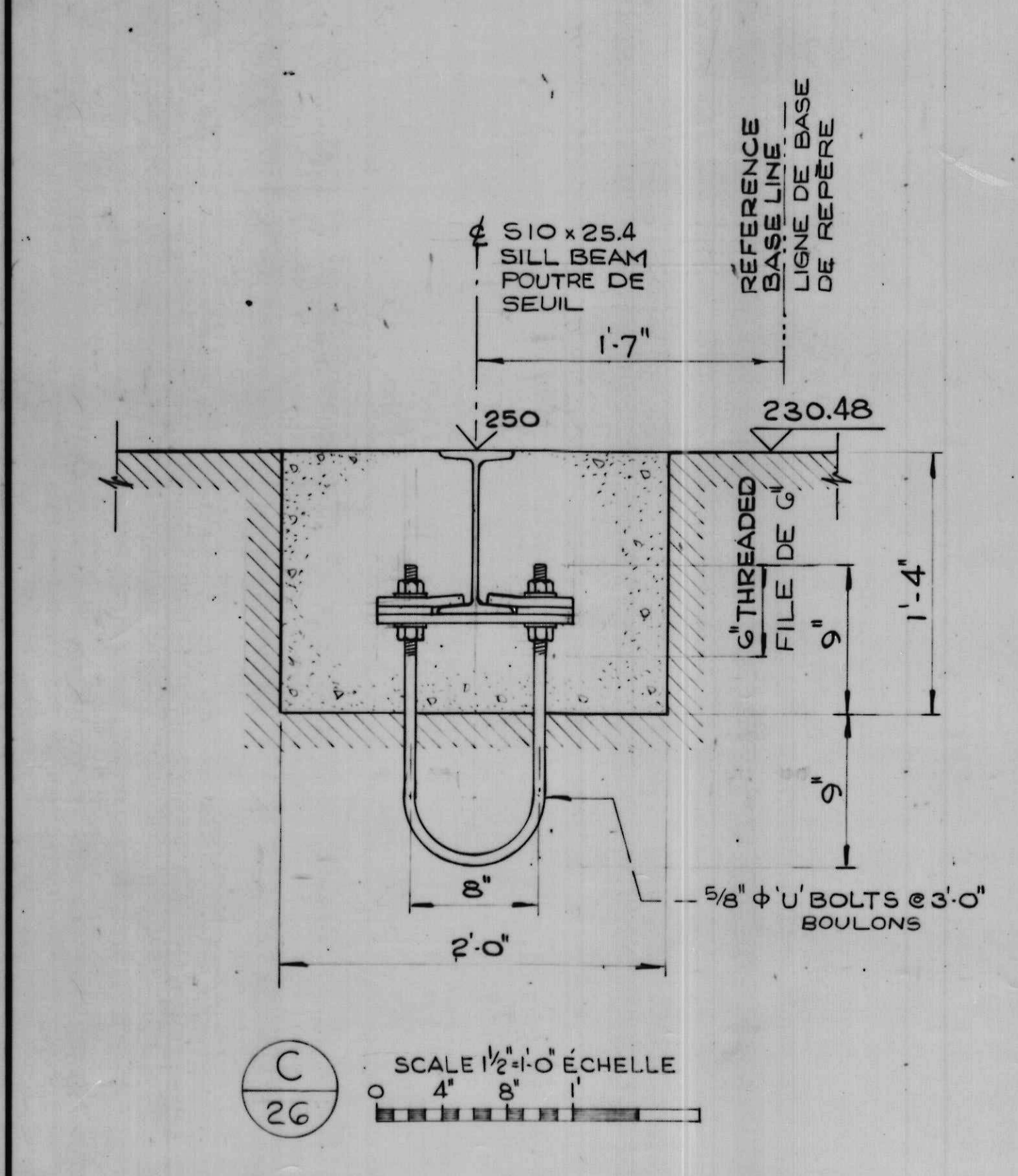
PLAN
SCALE 1/4"=1'-0" ÉCHELLE



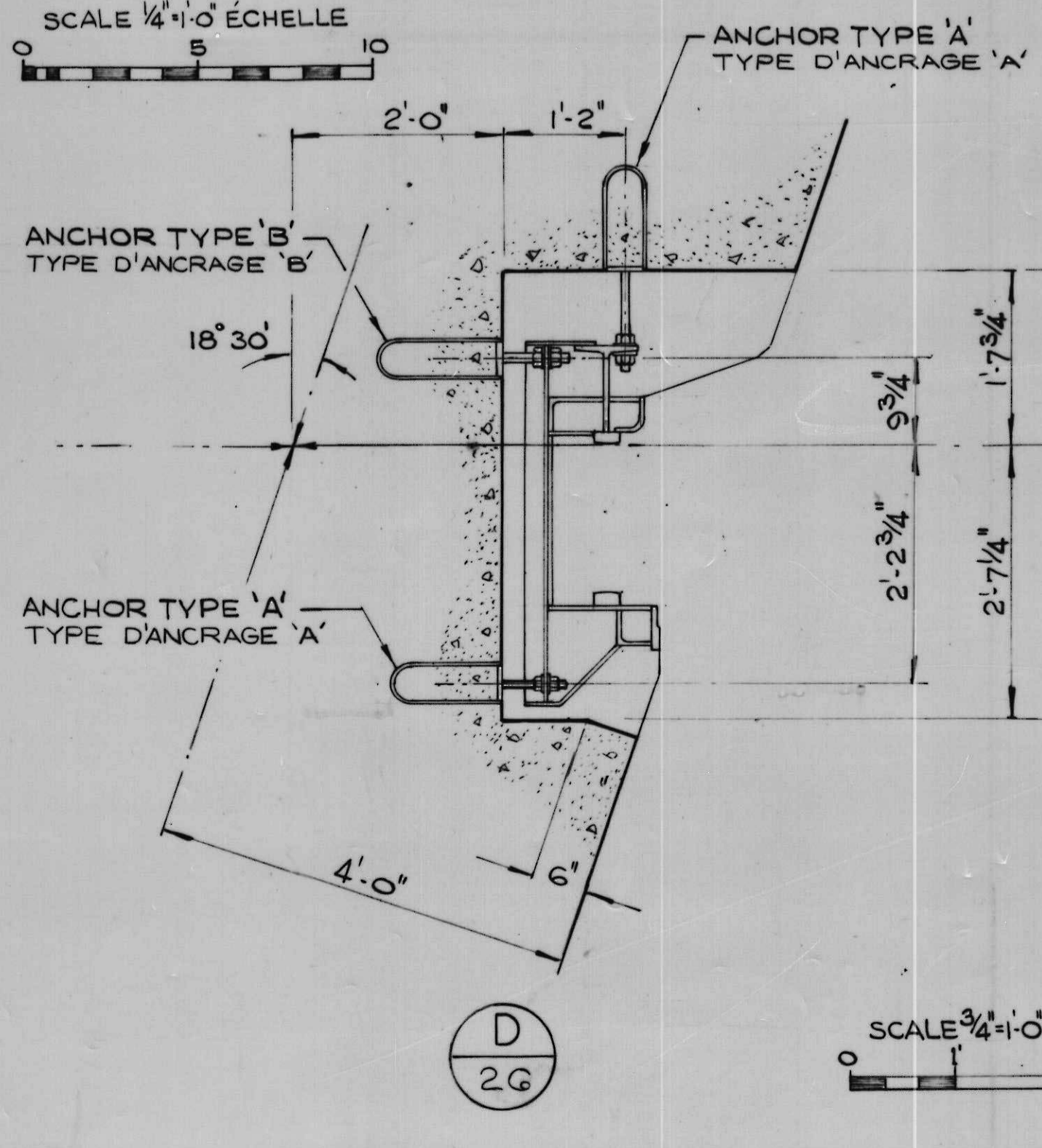
ELEVATION (A)
ÉLÉVATION (A)
SCALE 1/4"=1'-0" ÉCHELLE



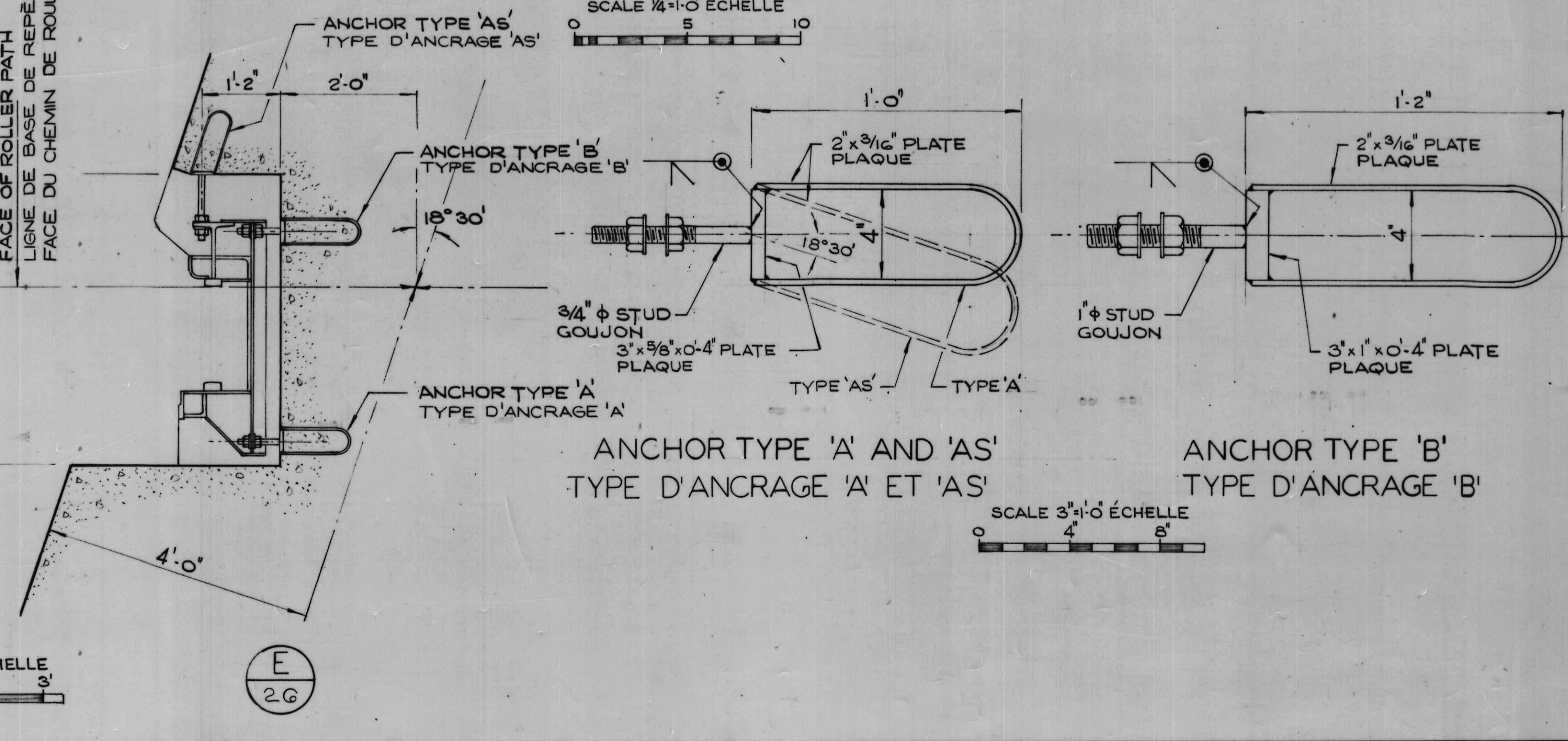
SECTION (B)
COUPE
SCALE 1/4"=1'-0" ÉCHELLE



ELEVATION (C)
SCALE 1/2"=1'-0" ÉCHELLE



ELEVATION (D)
SCALE 3/4"=1'-0" ÉCHELLE



SECTION (E)
SCALE 3/4"=1'-0" ÉCHELLE

NOTES
FOR GENERAL NOTES SEE DRWG. 2.

NOTES
VOIR DESSIN 2 POUR NOTES GÉNÉRALES.

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

A detail no.	détail no.
B location dwg. no.	sur dessin no.
C drawing no.	dessin no.

drawn by / tracé par	G. R. M.	scale / échelle	AS NOTED / NOTÉE
designed by / établi par	E. S.		
checked by / vérifié par			

job captain / chef du projet	J. R.	date	JUNE 30 JUN, 1976
responsible officer / officier responsable	H. G.	date	JUNE 30 JUN, 1976

project title / titre du projet
Rideau Canal Hogs Back Dam and Fixed Bridge
Canal Rideau Barrage et Pont Fixe Hogs Back

drawing title / titre du dessin
GATE ASSEMBLY AND EMBEDDED PARTS
ASSEMBLAGE DE LA VANNE ET PIÈCES NOYÉES

reference no. / no de référence	10-738	dwg no. / dessin no.	26
---------------------------------	--------	----------------------	----

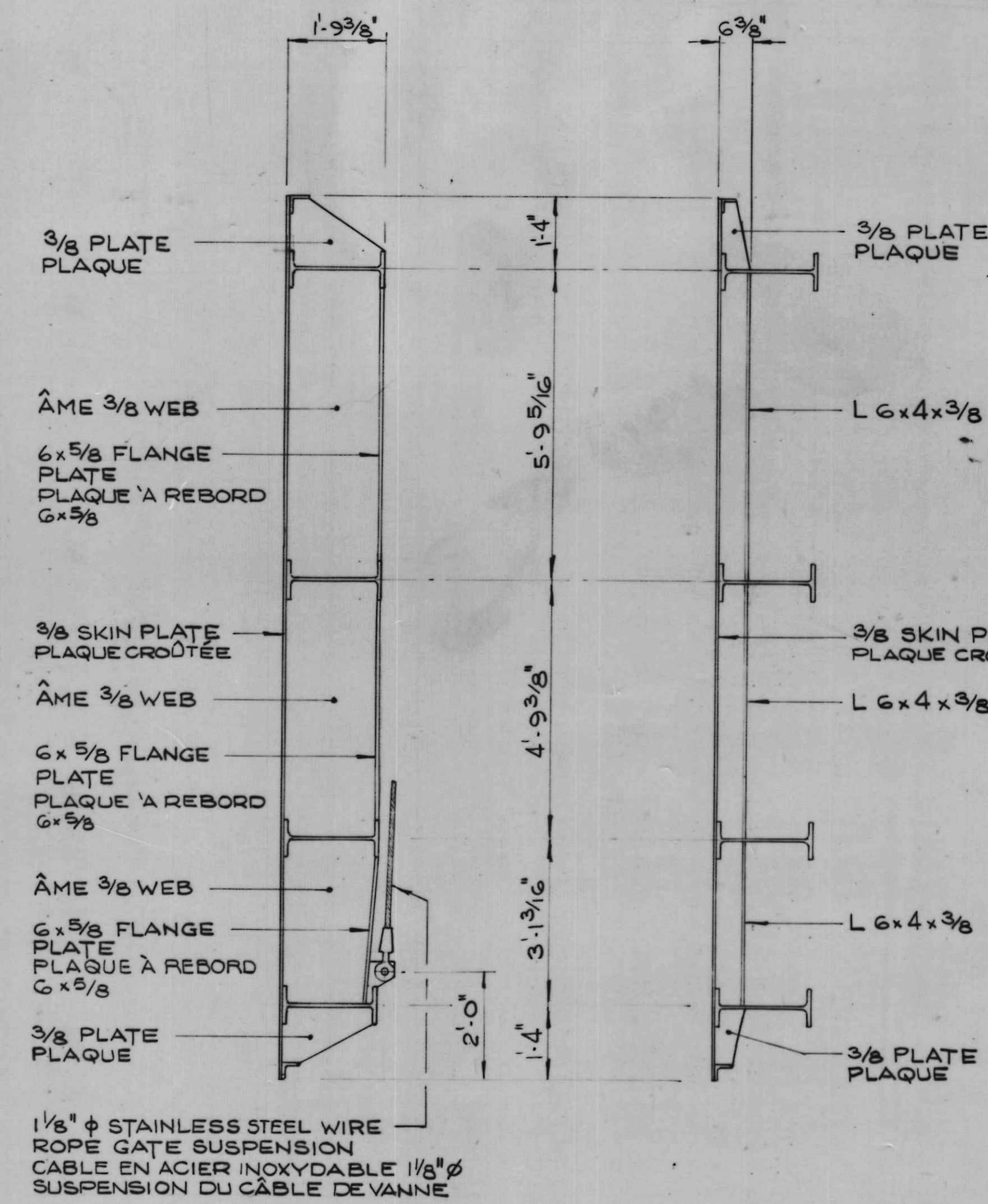
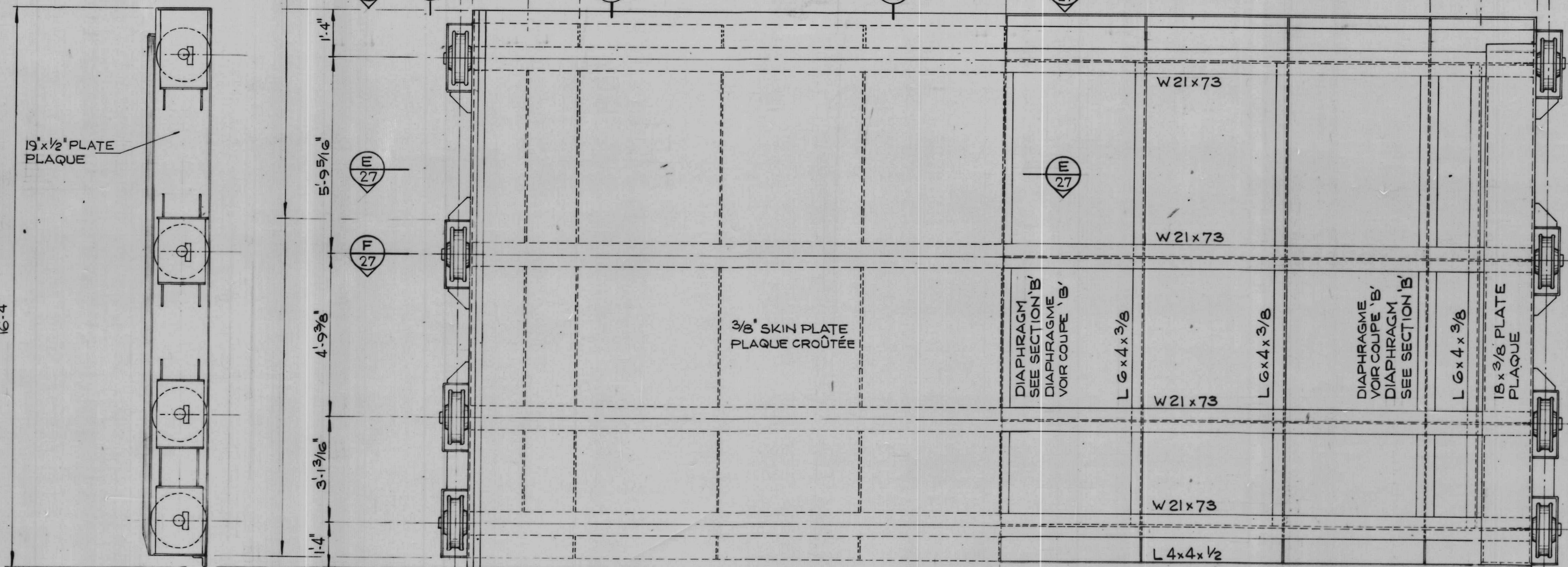
PROVIDE MINIMUM CLEARANCE TRACK SCRAPERS ON WHEEL BOXES AT THESE 3 LINES ON BOTH SIDES
 FOURNIR DÉGAGEMENT MINIMUM AUX GRATTOIRS DE VOIE SUR BOÎTES D'ENGRENAGES VERS CES TROIS LIGNES SUR CHAQUE CÔTÉ

WIRE ROPE GATE SUSPENSION
 SUSPENSION DE LA VANNE PAR CÂBLE MÉTALLIQUE

WIRE ROPE GATE SUSPENSION
 SUSPENSION DE LA VANNE PAR CÂBLE MÉTALLIQUE

31'-11 5/16" C/C OF WHEELS
 DES ROUES

6 EQUAL SPACES / 6 ESPACES ÉGAUX



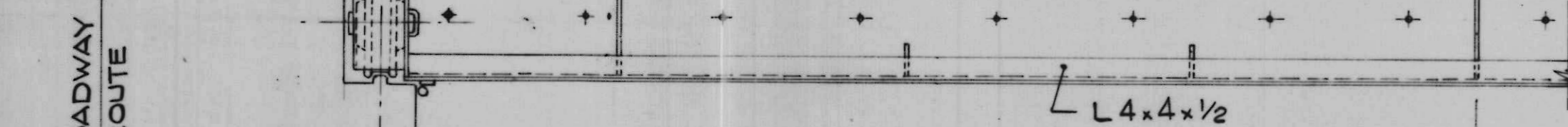
1/8" φ STAINLESS STEEL WIRE
 ROPE GATE SUSPENSION
 CÂBLE EN ACIER INOXYDABLE 1/8" φ
 SUSPENSION DU CÂBLE DE VANNE

HALF UPSTREAM ELEVATION
 SEMI-ÉLÉVATION EN AMONT

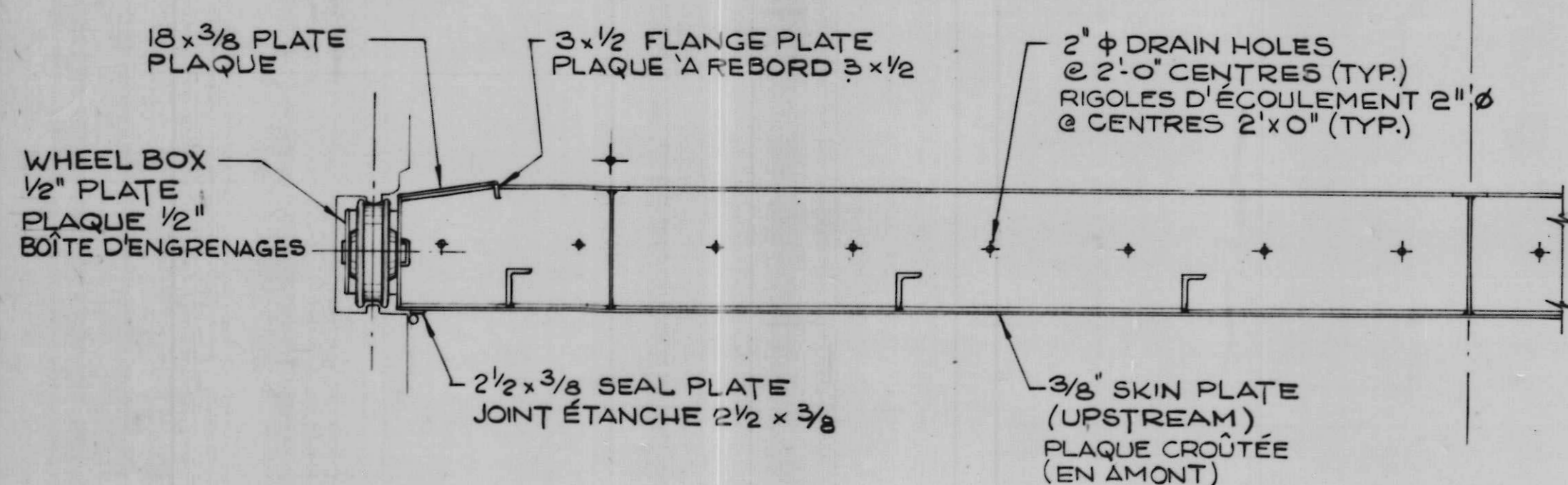
HALF DOWNSTREAM ELEVATION
 SEMI-ÉLÉVATION EN AVANT

REFERENCE BASELINE
 FACE OF ROLLER PATH
 LIGNE DE BASE DE REPÈRE
 FACE DU CHEMIN DE ROULEMENT

REFERENCE BASELINE
 FACE OF ROLLER PATH
 LIGNE DE BASE DE REPÈRE
 FACE DU CHEMIN DE ROULEMENT



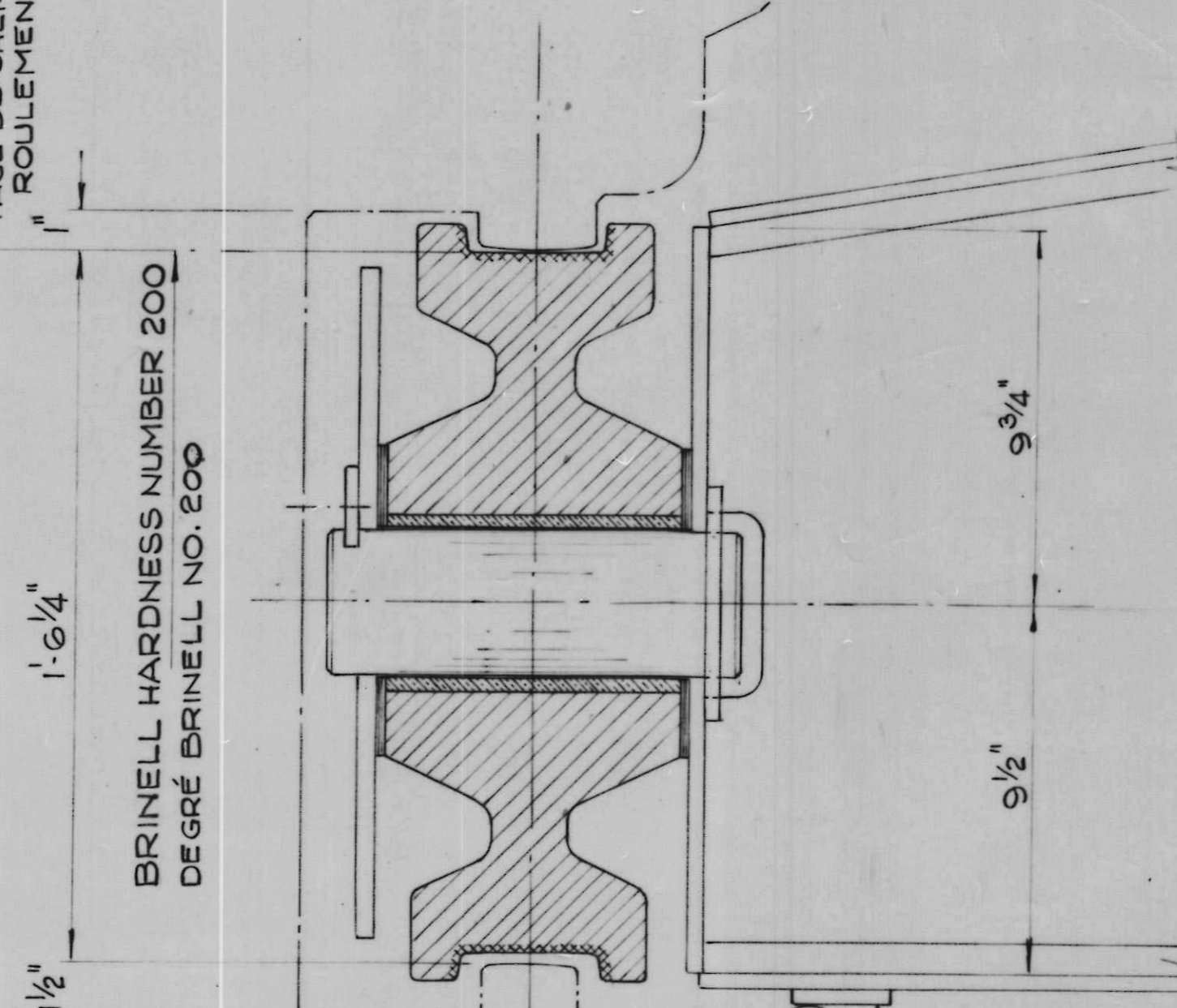
HALF TOP PLAN
 MOITIÉ DU PLAN SUPÉRIEUR



SCALE 1/2" = 1'-0" ÉCHELLE

SCALE 1/2" = 1'-0" ÉCHELLE

REFERENCE BASELINE
 FACE OF ROLLER PATH
 LIGNE DE BASE DE REPÈRE
 FACE DU CHEMIN DE ROULEMENT



TYPICAL
 TYPIQUE

SCALE 3/4" = 1'-0" ÉCHELLE

NOTES
 FOR GENERAL NOTES SEE DRWG. 2.

NOTES
 VOIR DESSIN 2 POUR NOTES GÉNÉRALES.

revisions date

A detail no. détail no.
 B location dwg. no. sur dessin no.
 C drawing no. dessin no.

drawn by / tracé par G. R. M. scale / échelle AS NOTED / NOTÉE

designed by / établi par E. S.

checked by / vérifié par

job captain / chef du projet J. R. date JUNE 30 JUN, 1976

responsible officer / officier responsable H. G. date JUNE 30 JUN, 1976

project title / titre du projet

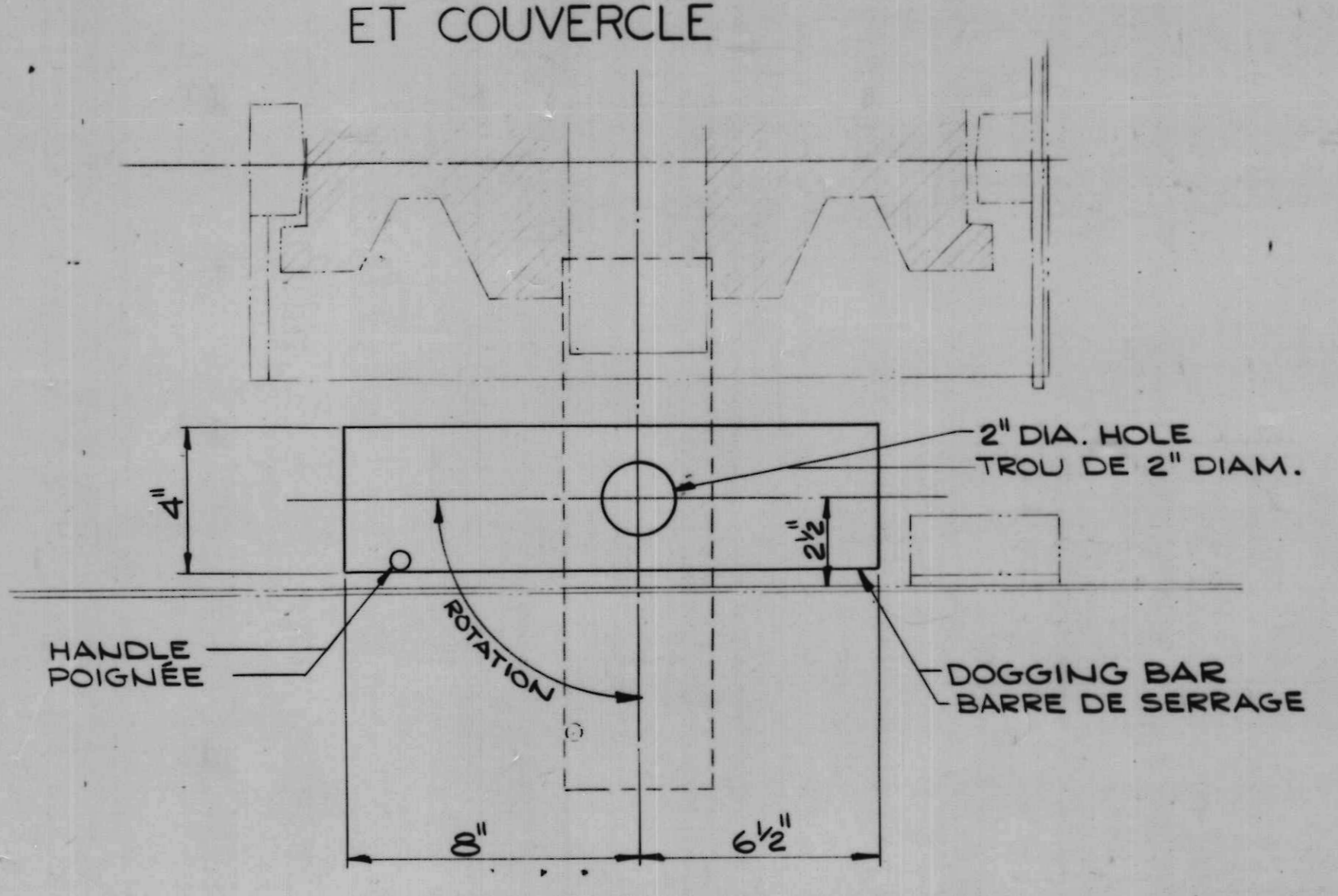
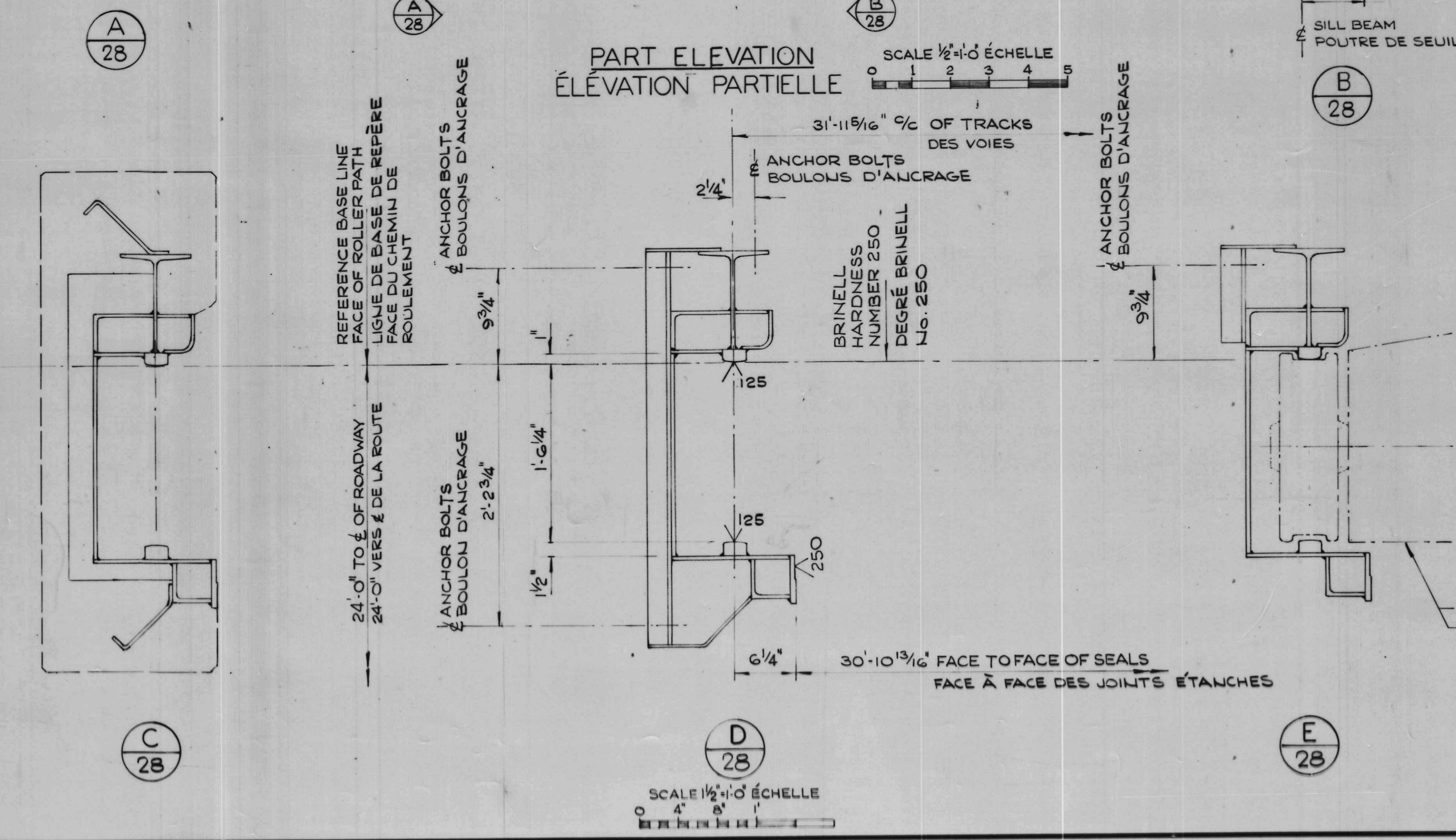
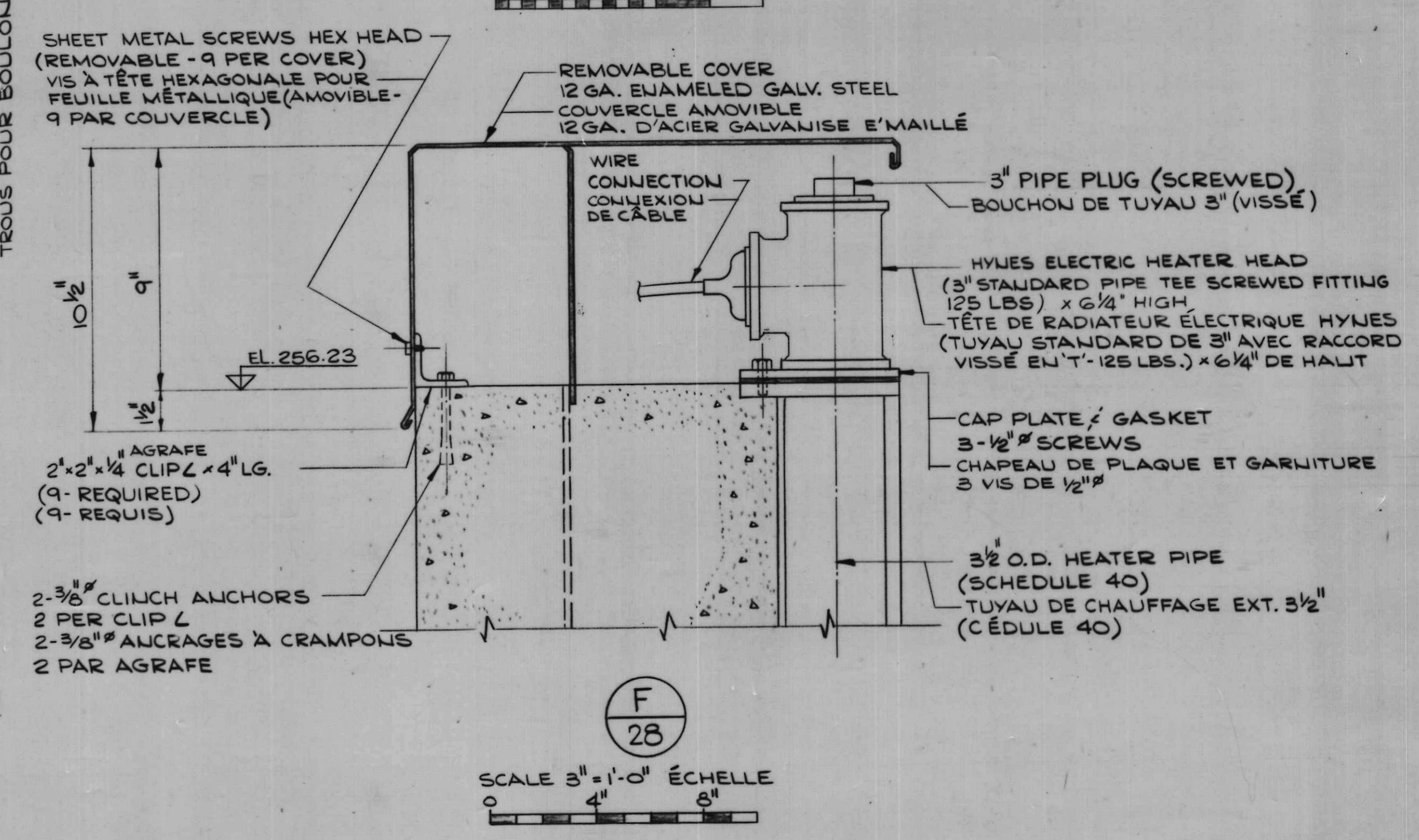
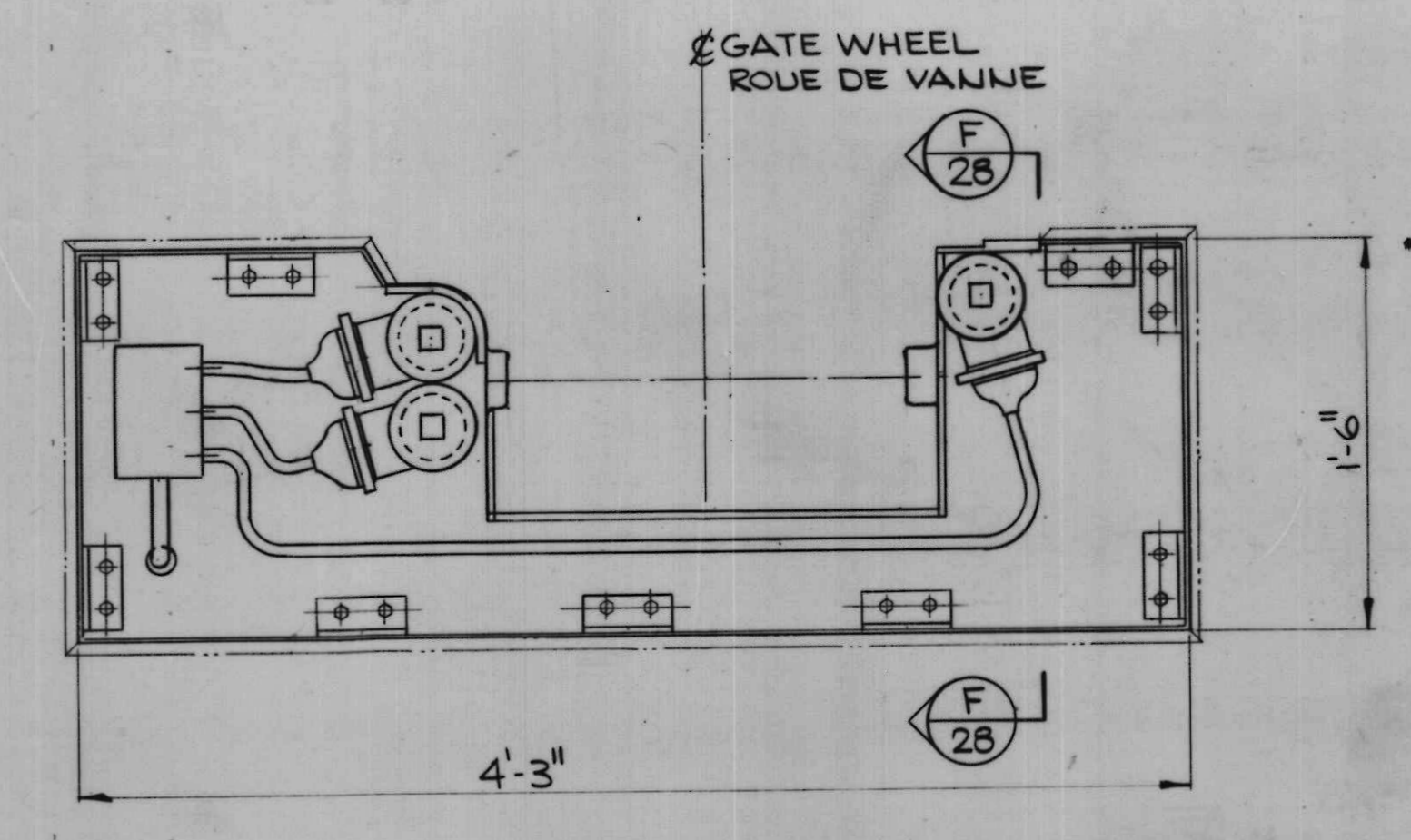
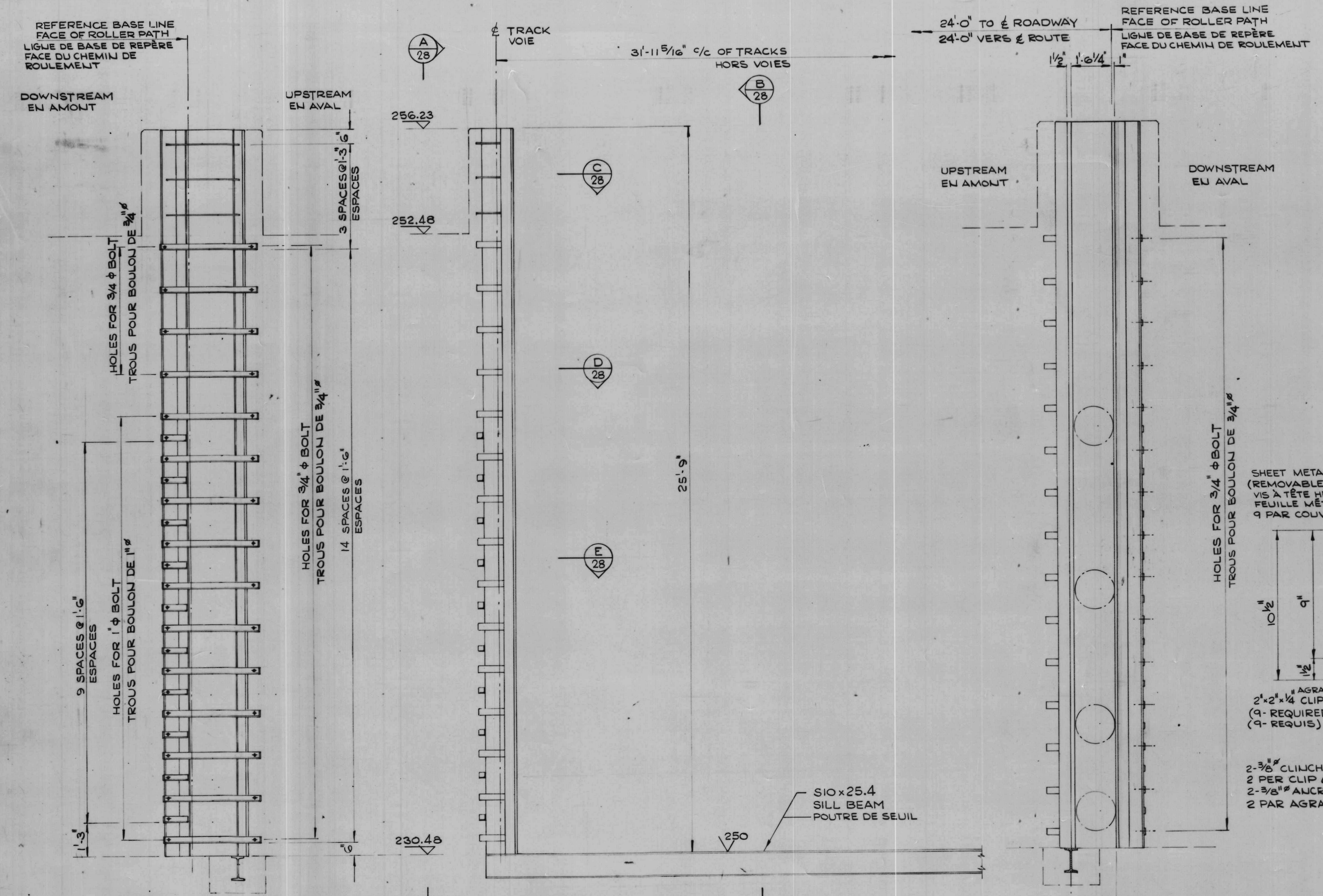
Rideau Canal
 Hogs Back Dam
 and Fixed Bridge
 Canal Rideau
 Barrage et Pont Fixe
 Hogs Back

drawing title / titre du dessin

GATE DETAILS

DÉTAILS DE LA VANNE

reference no. / no de référence 10-738
 dwg. no. / dessin no. 27



NOTES / FOR GENERAL NOTES SEE DRWG. 2.

NOTES / VOIR DESSIN 2 POUR NOTES GÉNÉRALES.

A	detail no.	détail no.
B	location dwg. no.	sur dessin no.
C	drawing no.	dessin no.

drawn by / tracé par	G.R.M.	scale / échelle	AS NOTED / NOTE
designed by / établi par	E.S.		
checked by / vérifié par			

job captain / chef de projet	J.R.	date	JUNE 30 JUN, 1976
responsible officer / officier responsable	H.G.	date	JUNE 30 JUN, 1976

project title / titre du projet

Rideau Canal Hogs Back Dam and Fixed Bridge

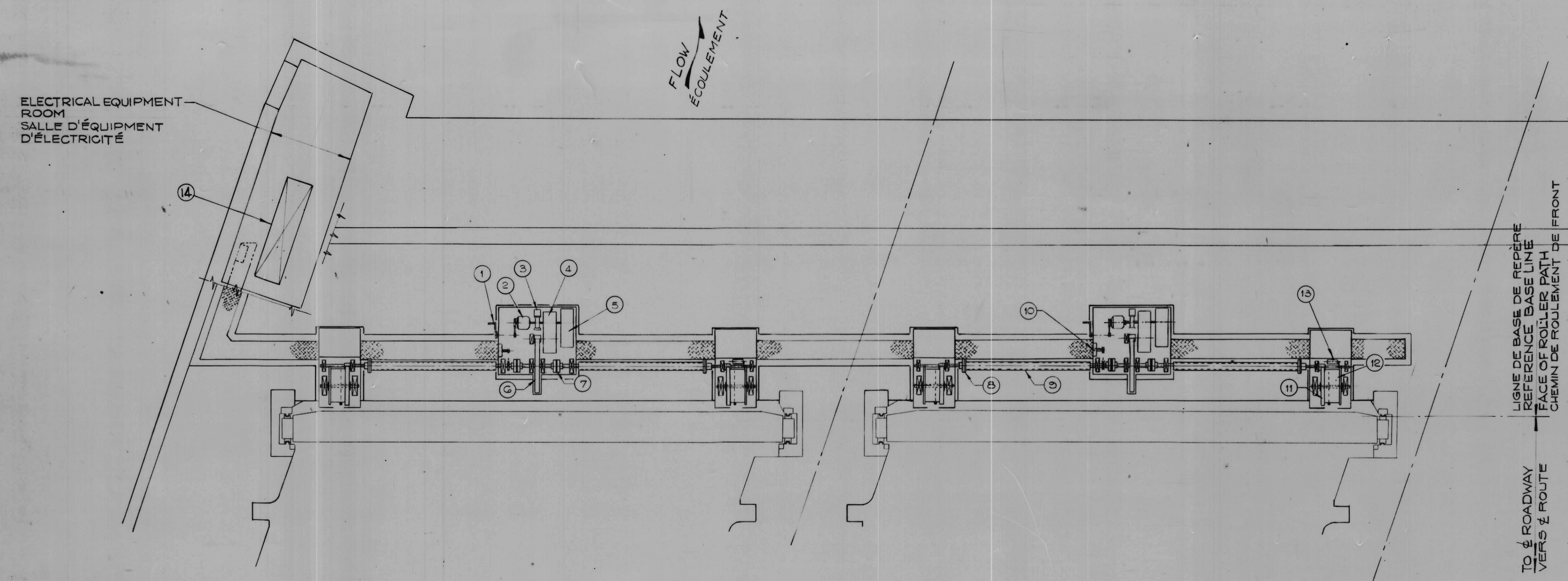
Canal Rideau Barrage et Pont Fixe Hogs Back

drawing title / titre du dessin

GAIN AND SILL DETAILS

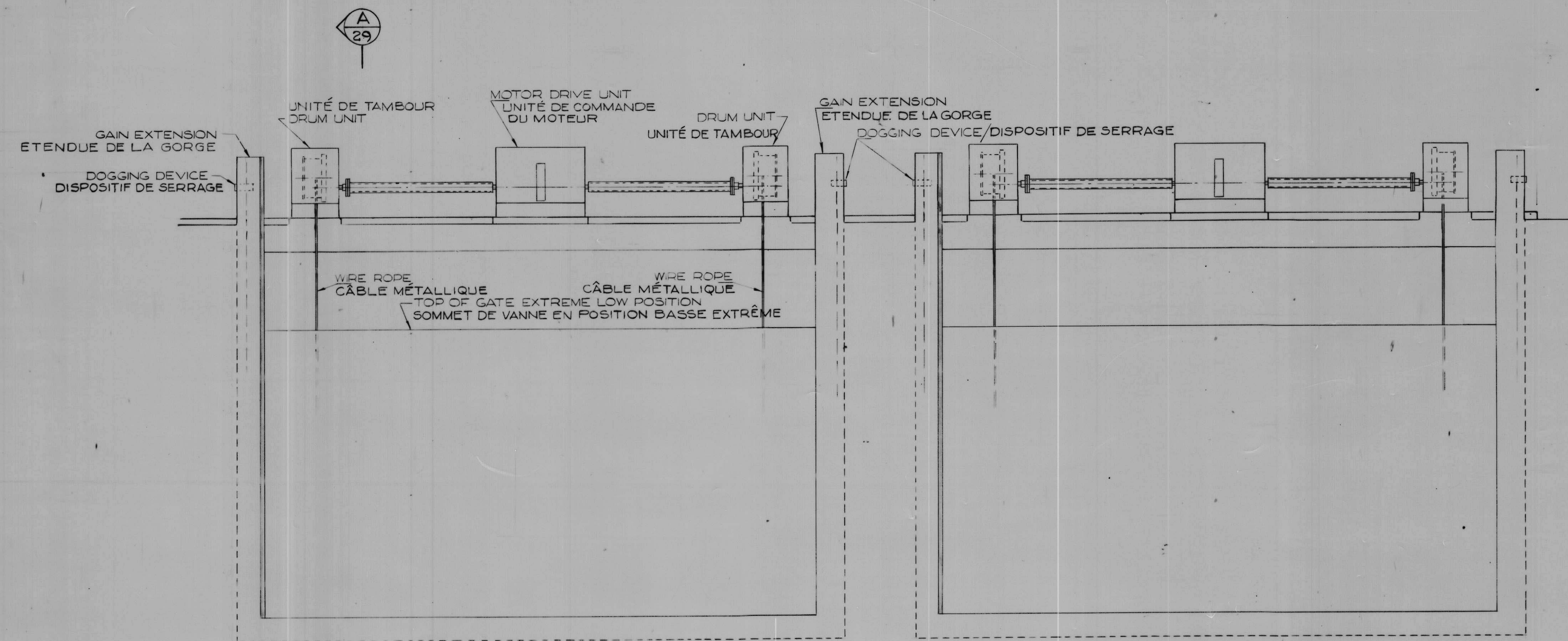
DÉTAILS DE LA GORGE ET DU SEUIL

reference no. / no de référence	10-738	dwg no. / dessin no.	28
---------------------------------	--------	----------------------	----

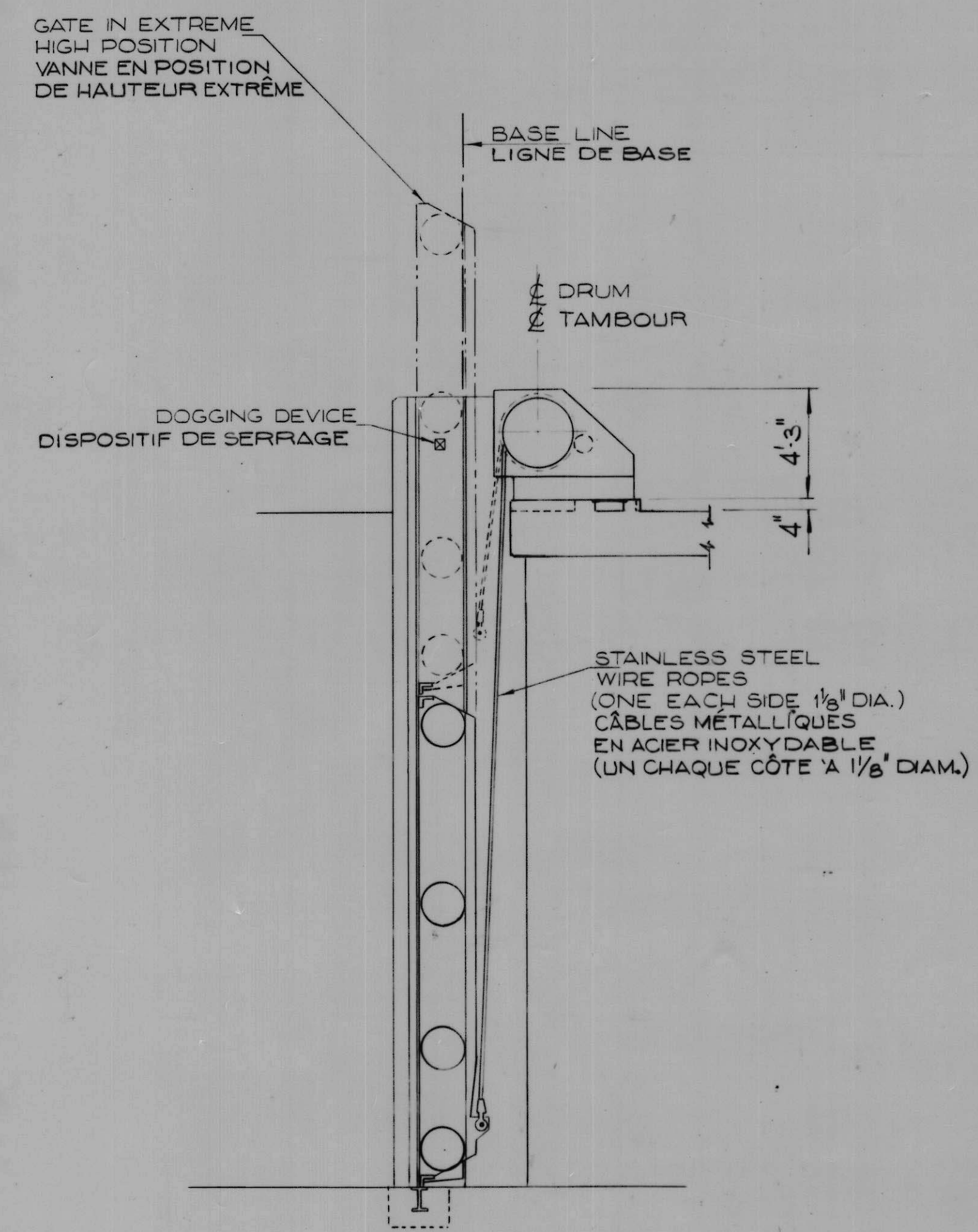


- ① HAND CRANK
MANIVELLE À MAIN
- ② ELECTRIC MOTOR
MOTEUR ÉLECTRIQUE
- ③ SOLENOID BRAKE
FREIN SOLENOÏDE
- ④ HELICAL GEAR BOX
BOÎTE D'ENGRENAGE HÉLICOÏDALE
- ⑤ FAN BRAKE
FREIN DE VENTILATEUR
- ⑥ OPEN GEARS
ENGRENAGES À DÉCOUVERT
- ⑦ FLEXIBLE COUPLING
MANCHON ÉLASTIQUE
- ⑧ RIGID COUPLING
MANCHON RIGIDE
- ⑨ HOLLOW SHAFT
ARBRE CREUX
- ⑩ POSITION INDICATOR
INDICATEUR DE POSITION
- ⑪ OPEN GEARS
ENGRENAGES À DÉCOUVERT
- ⑫ GROOVED WIRE DRUM
TAMBOUR À FIL CANNÉ
- ⑬ ROTARY LIMIT SWITCH
INTERRUPTEUR À MAXIMUM ROTATIF
- ⑭ MOTOR CONTROL CENTRE
CENTRE DE COMMANDEMENT DU MOTEUR

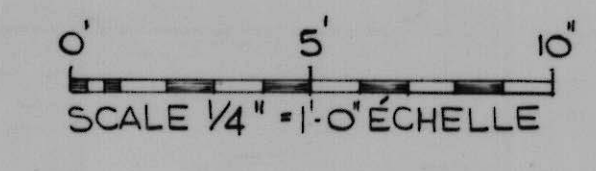
PLAN
SCALE 1/4" = 1'-0" ÉCHELLE



ELEVATION/ÉLÉVATION
SCALE 1/4" = 1'-0" ÉCHELLE



A
29
SCALE 1/4" = 1'-0" ÉCHELLE



NOTES
FOR GENERAL NOTES SEE DRWG. 2.

NOTES
VOIR DESSIN 2 POUR NOTES GÉNÉRALES

revisions	date

A	detail no.	détail no.
B	location dwg. no.	sur dessin no.
C	drawing no.	dessin no.

drawn by / tracé par R. C. S.	scale / échelle AS NOTED / NOTÉE
designed by / établi par E. S.	
checked by / vérifié par	

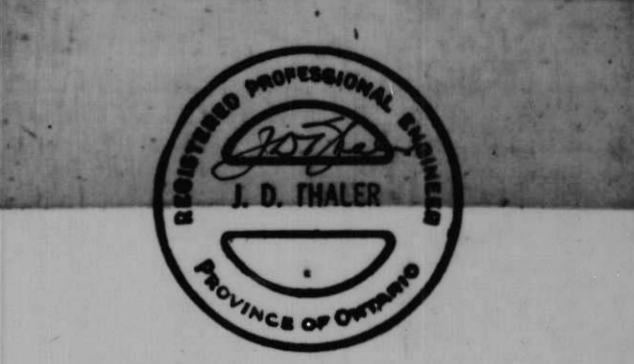
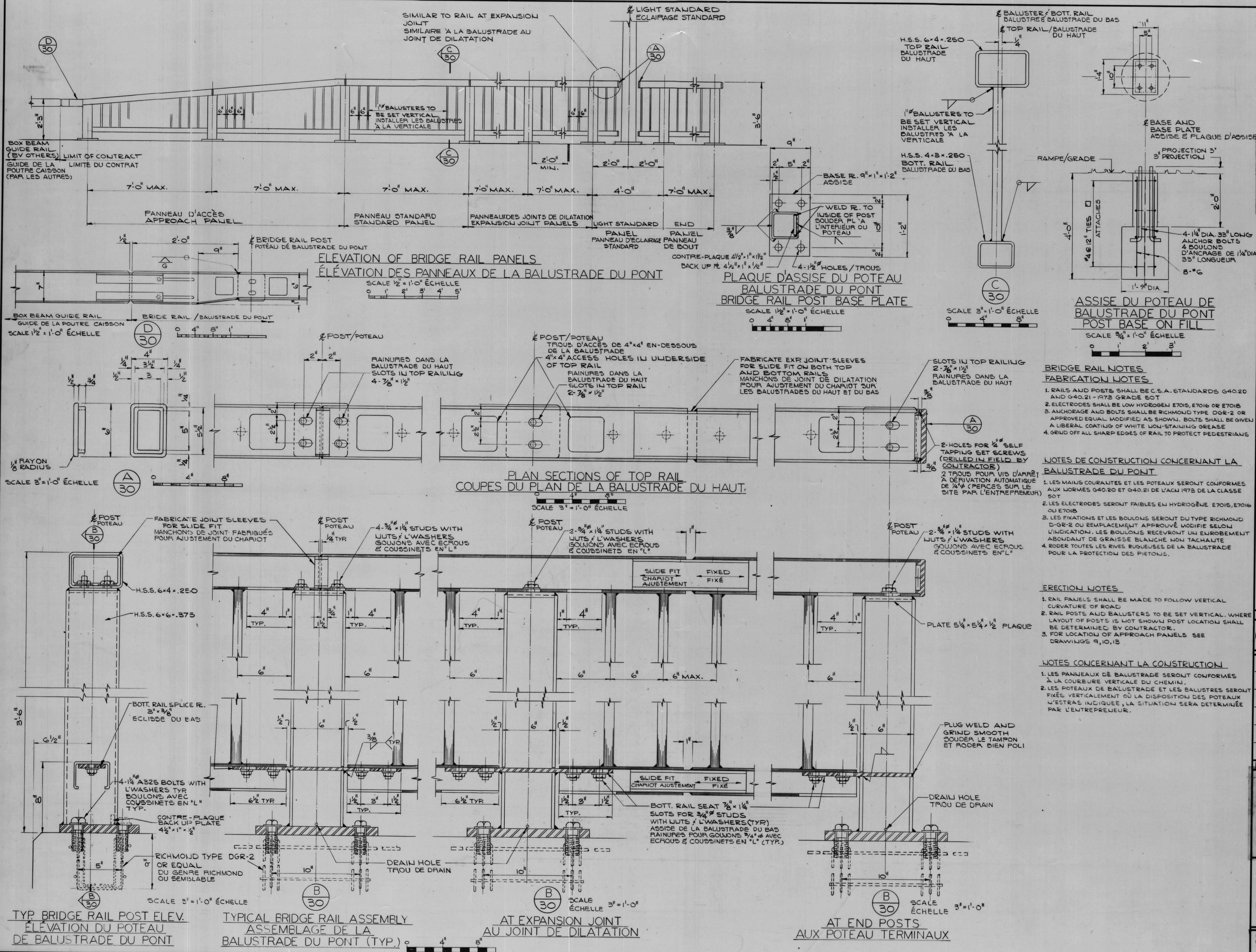
job captain / chef du projet J. R.	date JUNE 30 JUN, 1976
responsible officer / officier responsable H. G.	date JUNE 30 JUN, 1976

project title / titre du projet
**Rideau Canal
Hogs Back Dam
and Fixed Bridge**
**Canal Rideau
Barrage et Pont Fixe
Hogs Back**

drawing title / titre du dessin
GATE MACHINERY

OUTILLAGE POUR LES VANNES

reference no. no de référence 10-738	dwg no. dessin no. 29
---	------------------------------------



AS BUILT, FROM FIELD RECORDS
 DEC. 29, 1977

revisions _____ date _____

- RAILS AND POSTS SHALL BE C.S.A. STANDARDS G40.20 AND G40.21 - 1973 GRADE 50T
- ELECTRODES SHALL BE LOW HYDROGEN E7015, E7016 OR E7018
- ANCHORAGE AND BOLTS SHALL BE RICHMOND TYPE DGR-2 OR APPROVED EQUAL MODIFIED AS SHOWN. BOLTS SHALL BE GIVEN A LIBERAL COATING OF WHITE NON-STAINING GREASE
- GRIND OFF ALL SHARP EDGES OF RAIL TO PROTECT PEDESTRIANS

- LES MAINS COURANTES ET LES POTEAUX SERONT CONFORMES AUX NORMES G40.20 ET G40.21 DE L'ACM 1973 DE LA CLASSE 50T
- LES ELECTRODES SERONT FAIBLES EN HYDROGENE E7015, E7016 OU E7018
- LES FIXATIONS ET LES BOULONS SERONT DU TYPE RICHMOND DGR-2 OU REMPLACEMENT APPROUVE MODIFIE SELON L'INDICATION. LES BOULONS RECEVRONT UN EUROBEUMENT ABONDANT DE GRAISSE BLANCHE NON TACHANTE
- RODER TOUTES LES RIVES RUGUEUSES DE LA BALUSTRADE POUR LA PROTECTION DES PIETONS.

- RAIL PANELS SHALL BE MADE TO FOLLOW VERTICAL CURVATURE OF ROAD
- RAIL POSTS AND BALUSTERS TO BE SET VERTICAL. WHERE LAYOUT OF POSTS IS NOT SHOWN POST LOCATION SHALL BE DETERMINED BY CONTRACTOR.
- FOR LOCATION OF APPROACH PANELS SEE DRAWINGS 9, 10, 13

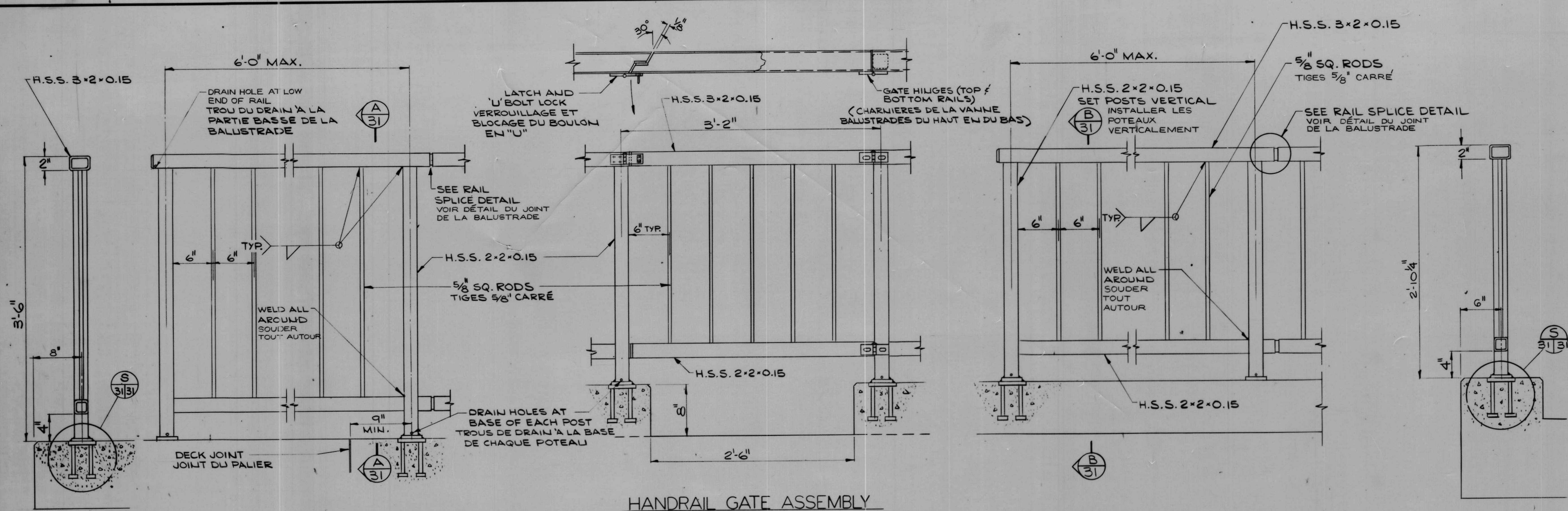
- LES PANNEAUX DE BALUSTRADE SERONT CONFORMES A LA COURBURE VERTICALE DU CHEMIN.
- LES POTEAUX DE BALUSTRADE ET LES BALUSTRES SERONT FIXES VERTICALEMENT OU LA DISPOSITION DES POTEAUX N'EST PAS INDIQUEE, LA SITUATION SERA DETERMINEE PAR L'ENTREPRENEUR.

Job captain / chef du projet: J.R. JUNE 30 JUN, 1976
 responsible officer / officier responsable: H.G. JUNE 30 JUN, 1976

project title: Rideau Canal Hogs Back Dam and Fixed Bridge
 titre du projet: Canal Rideau Barrage et Pont Fixe Hogs Back

drawing title: BRIDGE RAIL
 titre du dessin: PARAPET DU PONT

reference no. / n° de référence: 10-738
 dwg no. / dessin no.: 30

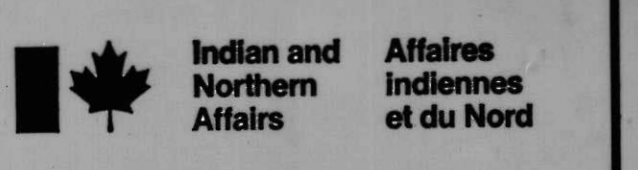


NOTES.

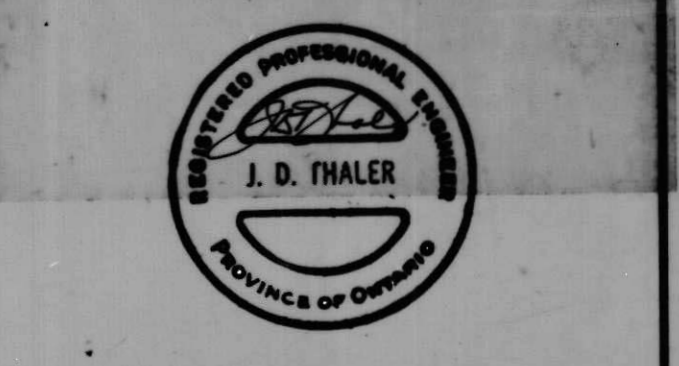
- HOLLOW STRUCTURAL SECTION FOR POSTS AND RAILS SHALL CONFORM TO THE REQUIREMENTS OF C.S.A. STANDARDS G40.20 AND G40.21 GRADE 50W
- SPICE SLEEVE PLATES SHALL CONFORM TO ASTM SPEC A36
- ALL ANCHOR BOLTS FOR PIPE RAIL, GALVANIZED IN ACCORDANCE WITH ASTM SPEC A-123 AND A-153 OR C.S.A. G-164
- NEW PIPE USED IN PIPE RAIL SHALL BE STANDARD PIPE
- GRIND ALL SHARP EDGES TO PROTECT PEDESTRIANS
- BASE PLATE TO CONFORM TO CSA STANDARDS G40.20 AND G40.21 GRADE 44W

NOTES.

- LES PROFILS STRUCTURAUX TUBULAIRES POUR LES POTEAUX ET LA MAIN COURANTE SERONT CONFORMES AUX EXIGENCES DES NORMES G40.20 E G40.21 GRADE 50 DE L'ANC
- LES PLAQUES DE MANCHONS DE JOINT SERONT CONFORMES A LA NORME A36 DE LA ASTM.
- TOUTS LES BOULONS SERONT POUR PIPEAU PARAPET GALVANISES CONFORMEMENT AUX NORMES A-123 ET A-153 DE ASTM OU SUIVANT CSA G-164



C.C. Parker and Associates Limited
Consulting Engineers
Ottawa Ontario



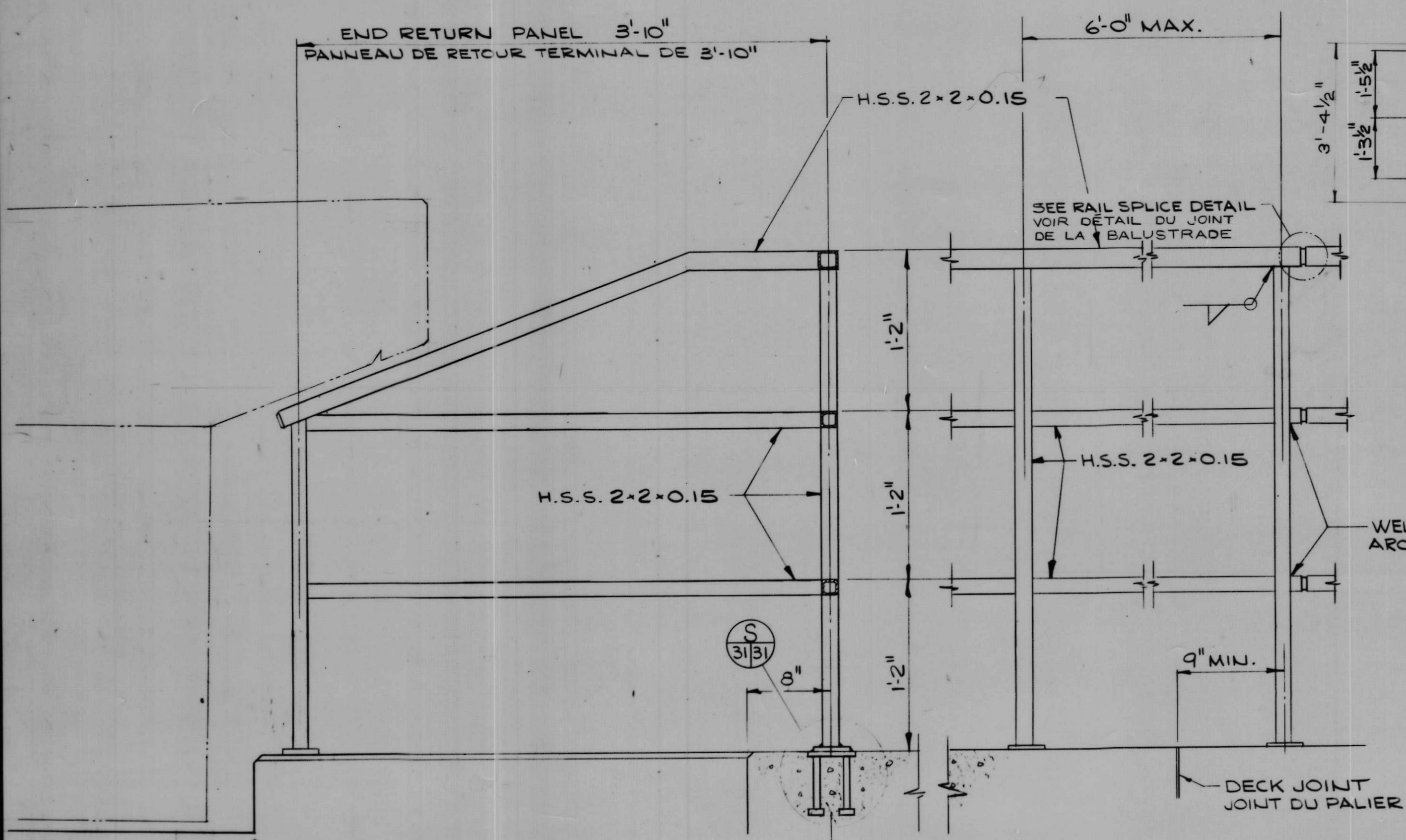
AS BUILT, FROM FIELD RECORDS
DEC. 29, 1977

A
31
BRIDGE PEDESTRIAN HANDRAIL
MAIN COURANTE POUR PIETONS DU POINT
SCALE 1/2" = 1'-0" ECHELLE

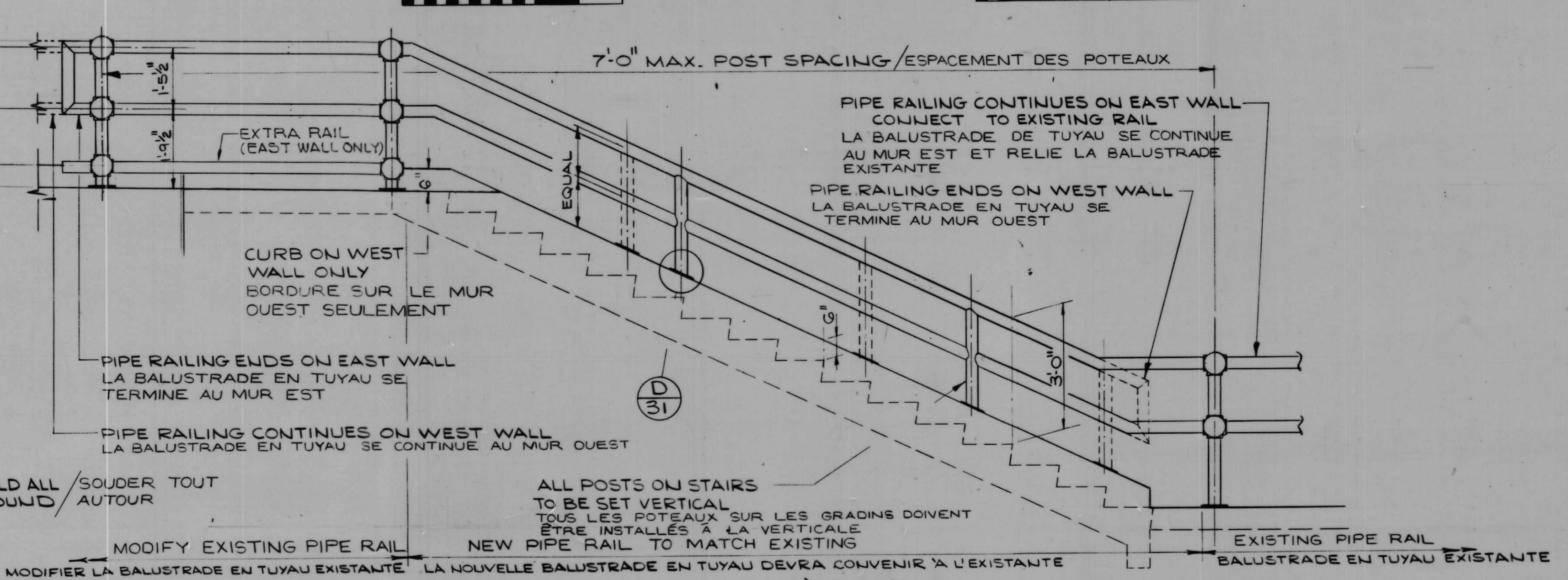
HANDRAIL GATE ASSEMBLY
ASSEMBLAGE DE LA MAIN COURANTE DE LA VANNE
SCALE 1/2" = 1'-0" ECHELLE

B
31
MAIN COURANTE POUR PIETONS, DU PONT
BRIDGE PEDESTRIAN HANDRAIL (ON CURBS)
SCALE 1/2" = 1'-0" ECHELLE

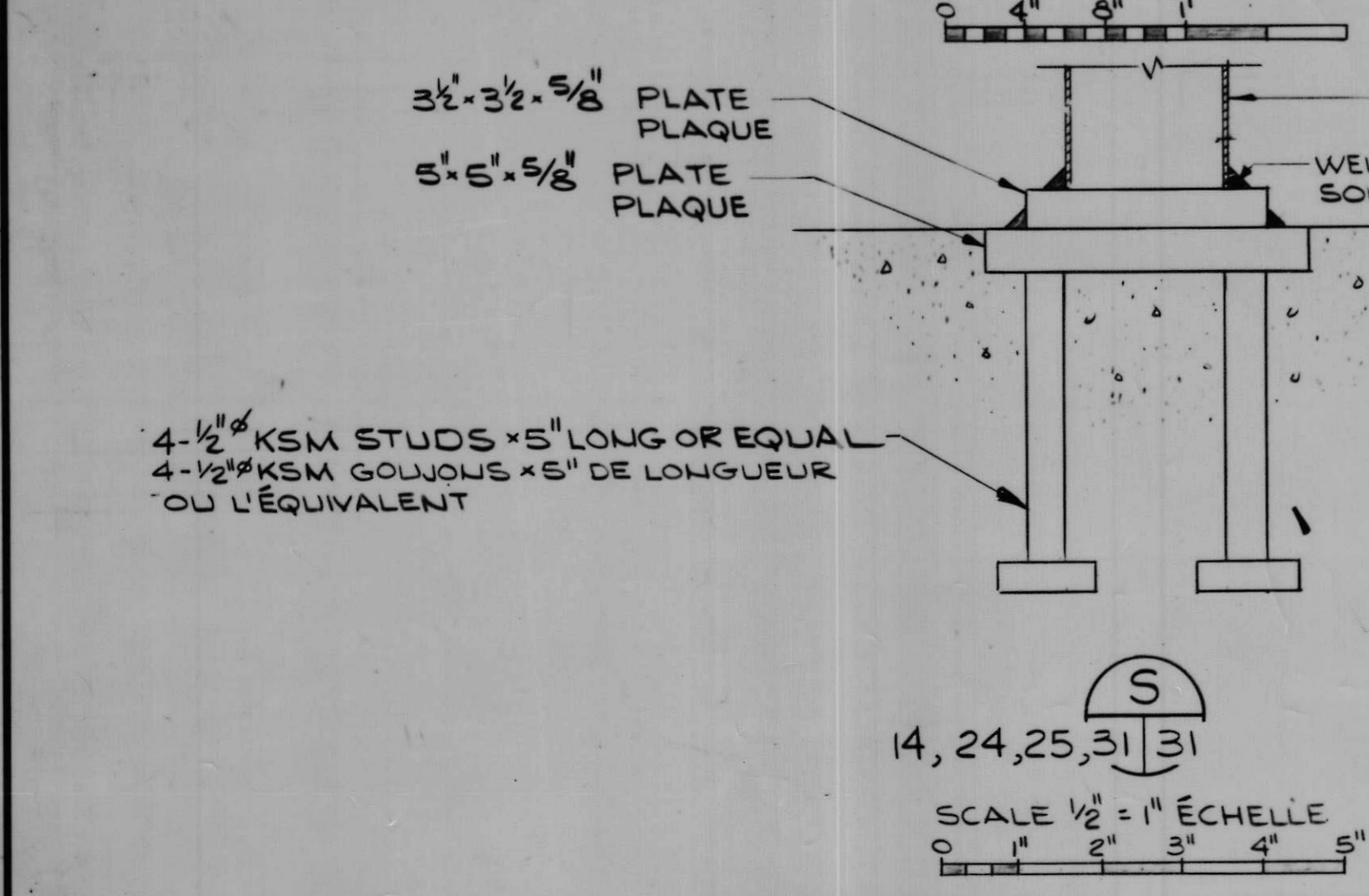
B
31
SCALE 1/2" = 1'-0" ECHELLE



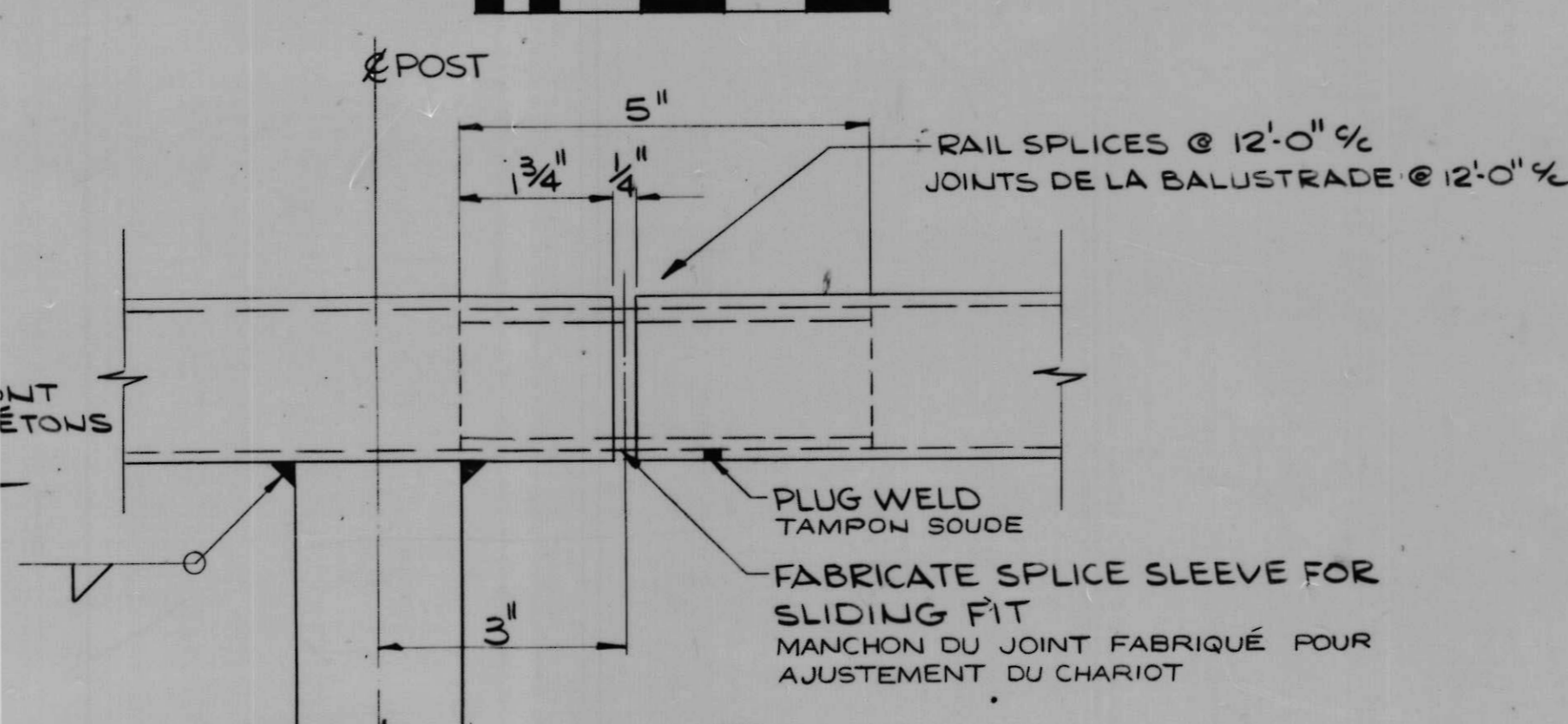
STANDARD PEDESTRIAN HANDRAIL
BALUSTRADE POUR PIETONS STANDARD
SCALE 1/2" = 1'-0" ECHELLE



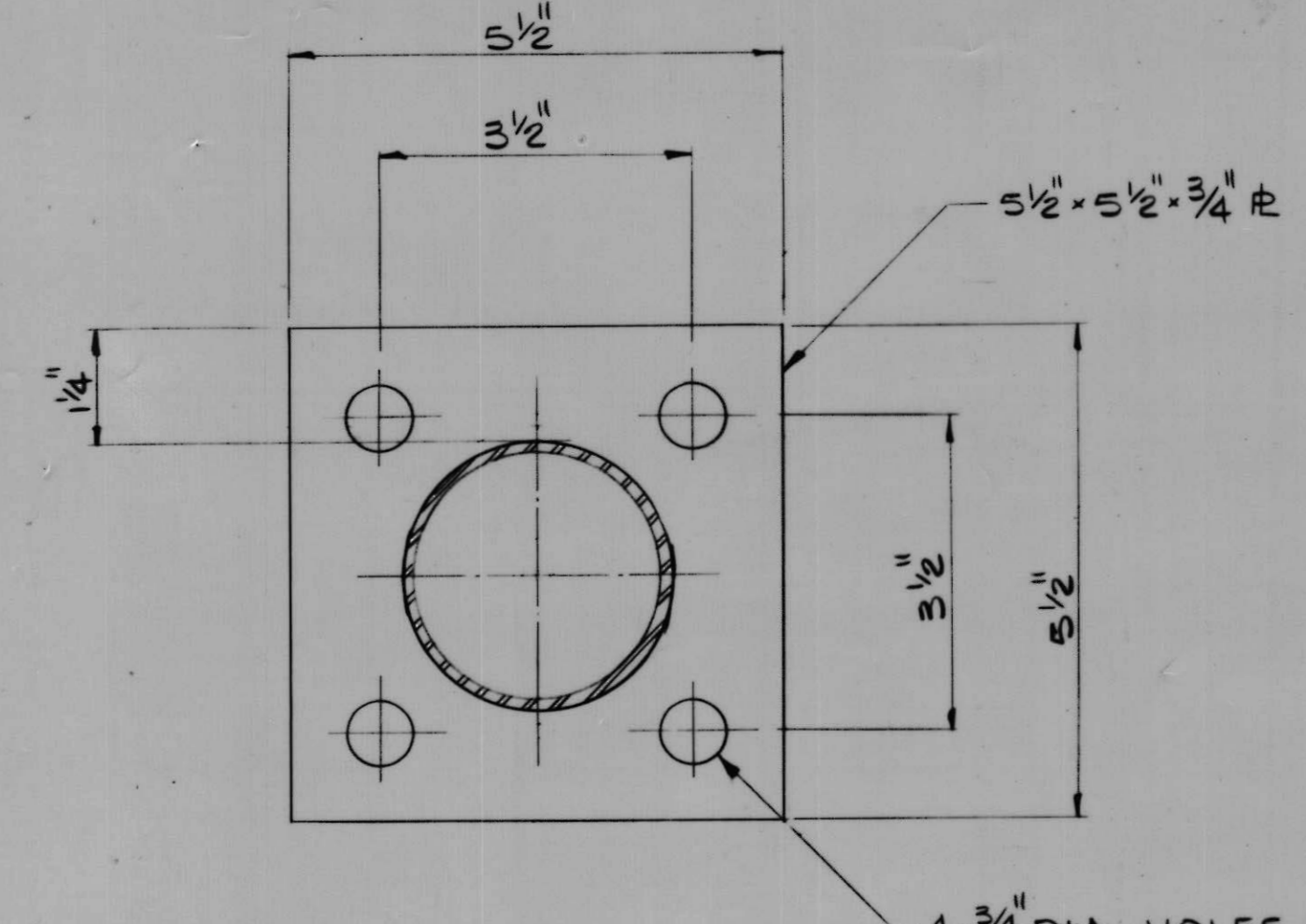
PEDESTRIAN PIPE HANDRAIL (FOR STAIR S3)
MAIN-COURANTE POUR PIETONS (POUR S3)
SCALE 1/2" = 1'-0" ECHELLE



S
31
SCALE 1/2" = 1' ECHELLE



RAIL SPICE DETAIL
DÉTAIL DU JOINT DE LA BALUSTRADE
SCALE 1/2" = 1" ECHELLE



D
31
SCALE 1/2" = 1" ECHELLE

NOTE:
DÉTAIL DU JOINT, TYPIQUE POUR TOUTES LES DIMENSIONS DE BALUSTRADE

NOTE:
SPICE DETAIL TYPICAL FOR ALL SIZES OF RAIL
DÉTAIL DU JOINT TYPIQUE POUR TOUTES TAILLES DE BALUSTRADE

A detail no. détail no.
B location dwg. no. sur dessin no.
C drawing no. dessin no.

drawn by / tracé par T. F. G. scale / échelle AS NOTED/NOTÉE
designed by / établi par Q. I.
checked by / vérifié par J. D. T.

job captain / chef du projet J. R. date JUNE 30 JUN, 1976
responsible officer / officier responsable H. G. date JUNE 30 JUN, 1976

project title / titre du projet
**Rideau Canal
Hogs Back Dam
and Fixed Bridge**
Canal Rideau
Barrage et Pont Fixe
Hogs Back

drawing title / titre du dessin
PEDESTRIAN RAIL
RAMPE D'APPUI DE PIETONS

reference no. / no de référence 10-738
dwg no. / dessin no 31