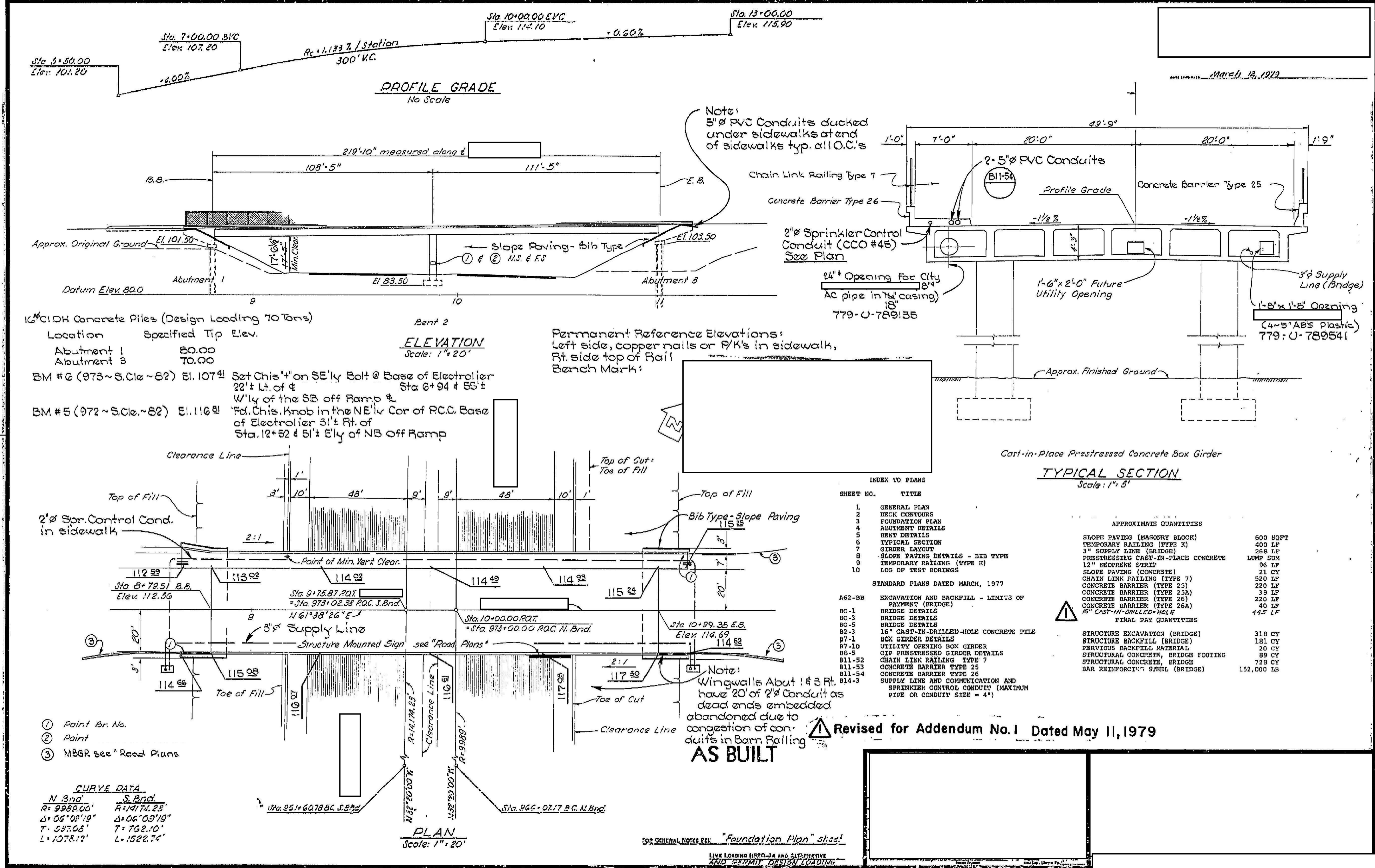


The Bridge As-Built Plans and corresponding BRDR Models are provided for example only and may not represent the modeling techniques used by your agency.



16" CIDH Concrete Piles (Design Loading 70 Tons)

Location	Specified Tip Elev.
Abutment 1	80.00
Abutment 3	70.00

BM #6 (973 ~ S.Cle. ~ 82) El. 107.41 Set Chis "+" on SE 1/4 Bolt @ Base of Electroliner 22" ± Lt. of & W/ly of the SB off Ramp &

BM #5 (972 ~ S.Cle. ~ 82) El. 116.81 Rd. Chis. Knob in the NE 1/4 Cor of R.C.C. Base of Electroliner 31" ± Rt. of Sta. 12+52 & 51" ± Ely of NB Off Ramp

ELEVATION
Scale: 1" = 20'

Permanent Reference Elevations:
Left side, copper nails or P/K's in sidewalk,
Rt. side top of Rail
Bench Mark:

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN
2	DECK CONTOURS
3	FOUNDATION PLAN
4	ABUTMENT DETAILS
5	BENT DETAILS
6	TYPICAL SECTION
7	GIRDER LAYOUT
8	SLOPE PAVING DETAILS - BIB TYPE
9	TEMPORARY RAILING (TYPE K)
10	LOG OF TEST BORINGS

STANDARD PLANS DATED MARCH, 1977

A62-BB	EXCAVATION AND BACKFILL - LIMITS OF SWYMP (BRIDGE)
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B2-3	16" CAST-IN-DRILLED-HOLE CONCRETE PILE
B7-1	BOX GIRDER DETAILS
B7-10	UTILITY OPENING BOX GIRDER
B8-5	CIP PRESTRESSED GIRDER DETAILS
B11-52	CHAIN LINK RAILING TYPE 7
B11-53	CONCRETE BARRIER TYPE 25
B11-54	CONCRETE BARRIER TYPE 26
B14-3	SUPPLY LINE AND COMMUNICATION AND SPRINKLER CONTROL CONDUIT (MAXIMUM PIPE OR CONDUIT SIZE = 4")

TYPICAL SECTION
Scale: 1" = 5'

APPROXIMATE QUANTITIES

SLOPE PAVING (MASONRY BLOCK)	600 SQFT
TEMPORARY RAILING (TYPE K)	400 LF
3" SUPPLY LINE (BRIDGE)	268 LF
PRESTRESSING CAST-IN-PLACE CONCRETE	LUMP SUM
12" REINFORCE STRIP	96 LF
SLOPE PAVING (CONCRETE)	21 CY
CHAIN LINK RAILING (TYPE 7)	520 LF
CONCRETE BARRIER (TYPE 25)	220 LF
CONCRETE BARRIER (TYPE 25A)	39 LF
CONCRETE BARRIER (TYPE 26)	220 LF
CONCRETE BARRIER (TYPE 26A)	40 LF
16" CAST-IN-DRILLED-HOLE	445 LF

FINAL PAY QUANTITIES

STRUCTURE EXCAVATION (BRIDGE)	318 CY
STRUCTURE BACKFILL (BRIDGE)	181 CY
PERVIOUS BACKFILL MATERIAL	20 CY
STRUCTURAL CONCRETE, BRIDGE FOOTING	89 CY
STRUCTURAL CONCRETE, BRIDGE	725 CY
BAR REINFORCEMENT STEEL (BRIDGE)	152,000 LB

Revised for Addendum No. 1 Dated May 11, 1979

AS BUILT

CURVE DATA

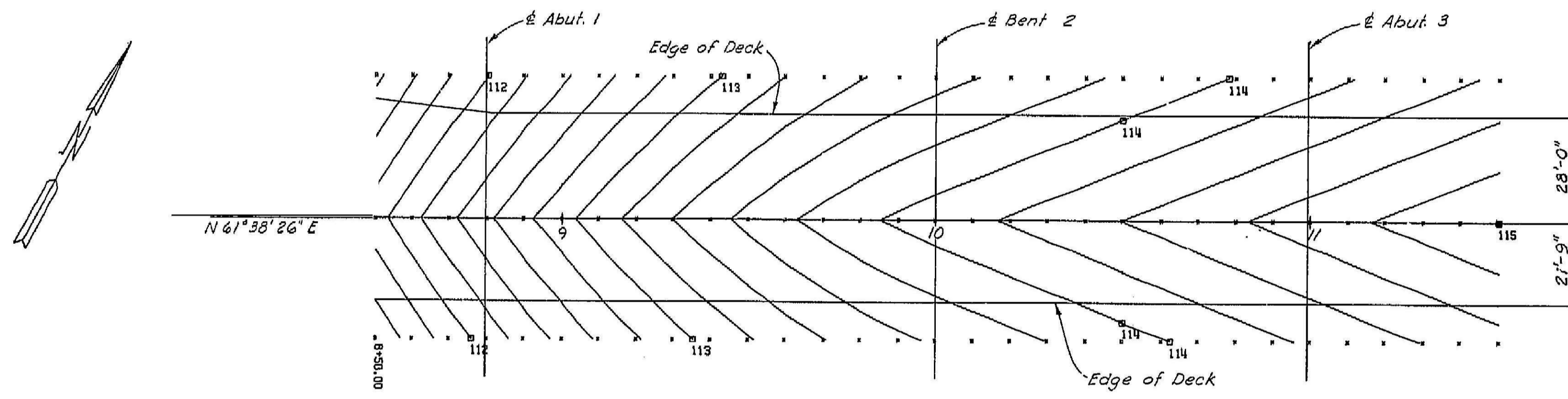
N. Side	S. Side
R: 9988.00'	R: 14174.23'
Δ: 06° 08' 19"	Δ: 06° 09' 19"
T: 637.06'	T: 762.10'
L: 1075.13'	L: 1522.74'

PLAN
Scale: 1" = 20'

FOR GENERAL NOTES SEE "Foundation Plan" sheet

LIVE LOADING HS20-44 AND ALTERNATE AND PERMANENT DESIGN LOADING

404



DECK CONTOURS
1" = 20'-0"

Note:
□ indicates even foot contours
x = 10' intervals
Contours do not include camber

405

ORIGINAL SCALE
IN INCHES



WO
CU

Designated price bearing equal revision dates

REVISION	DATE	BY	CHKD

CURVE DATA

$R = 9989.00$
 $\Delta = 06^{\circ}09'19''$
 $T = 537.08$
 $L = 1073.12$
 $N 454,416.122$
 $E 599,164.984$

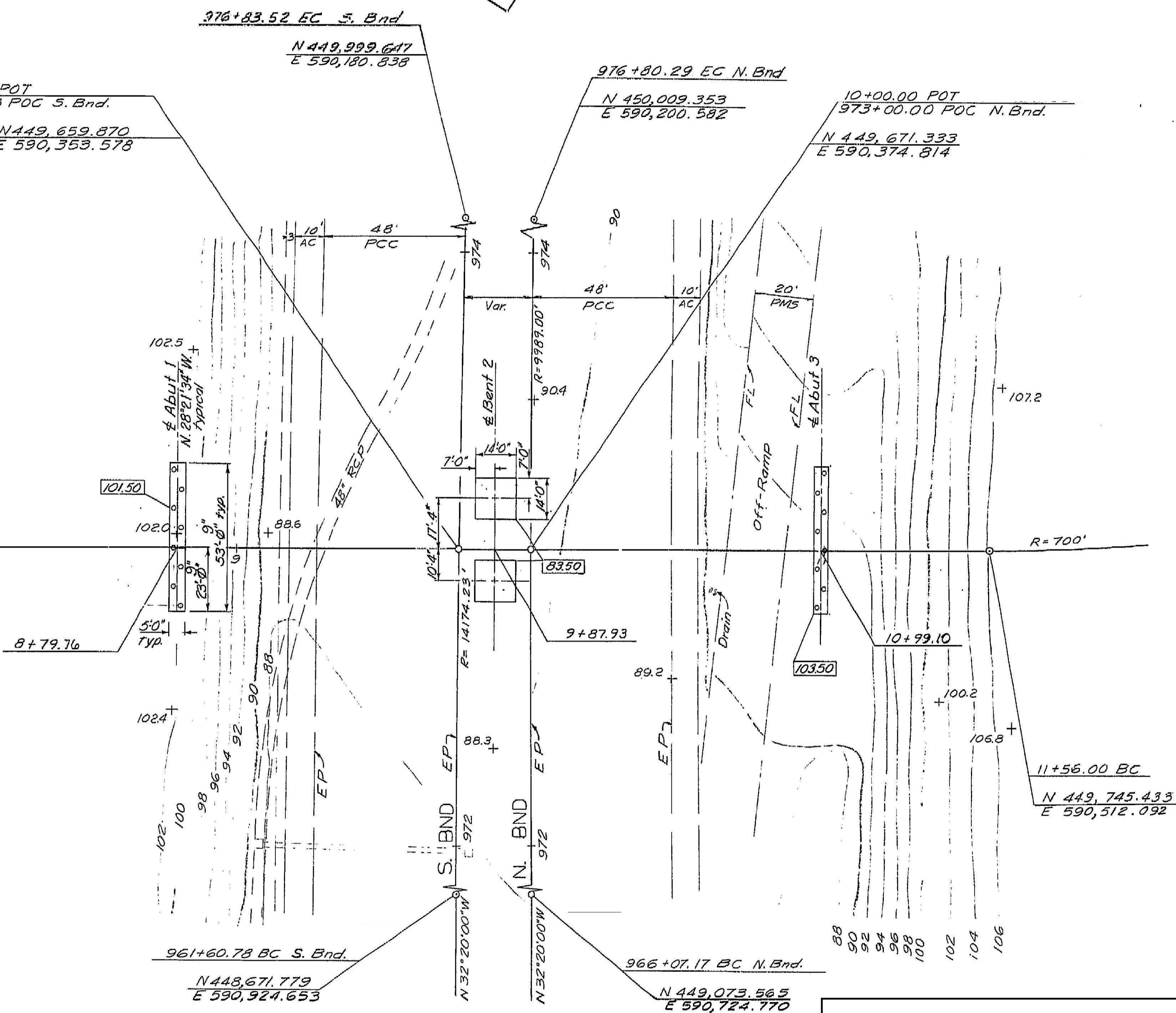
 $R = 14174.23$
 $\Delta = 06^{\circ}09'19''$
 $T = 762.10$
 $L = 1522.74$
 $N 456,252.781$
 $E 602,901.180$

**GENERAL NOTES
WORKING STRESS DESIGN**

DESIGN: AASHTO dated 1977 with revisions and as supplemented by BRIDGE PLANNING AND DESIGN MANUAL
 DEAD LOAD: Includes 28 psi for future wearing surface.
 LIVE LOADING: HS20-44 and alternative and permit design loading
 REINFORCED CONCRETE: $f_c = 24,000$ psi, except
 = 20,000 psi in transverse deck slabs and sills
 $f_s = 1,200$ psi, except
 = 1,200 psi in transverse deck slabs
 $n = 10$
 PRESTRESSED CONCRETE: See 'Prestressing Notes'.

FOOTING PRESSURE (TONS PER SF)	ALLOWABLE	DESIGN
Bent 2	4.0	4.0

BENCH MARKS



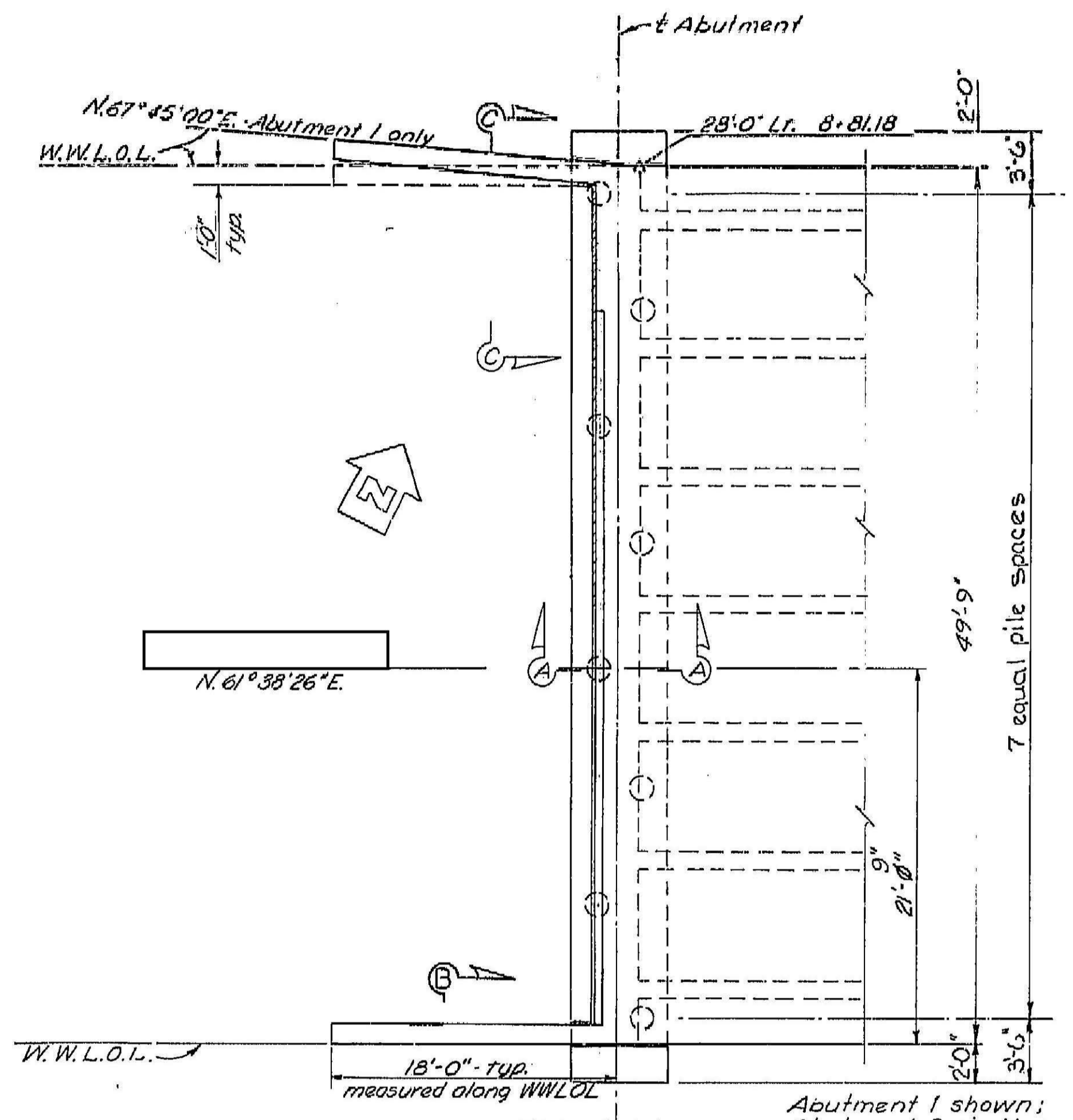
NOTES
 + Denotes spot Elev.

[00.00] indicates bottom of footing elevation.
 o indicates CIDH pile

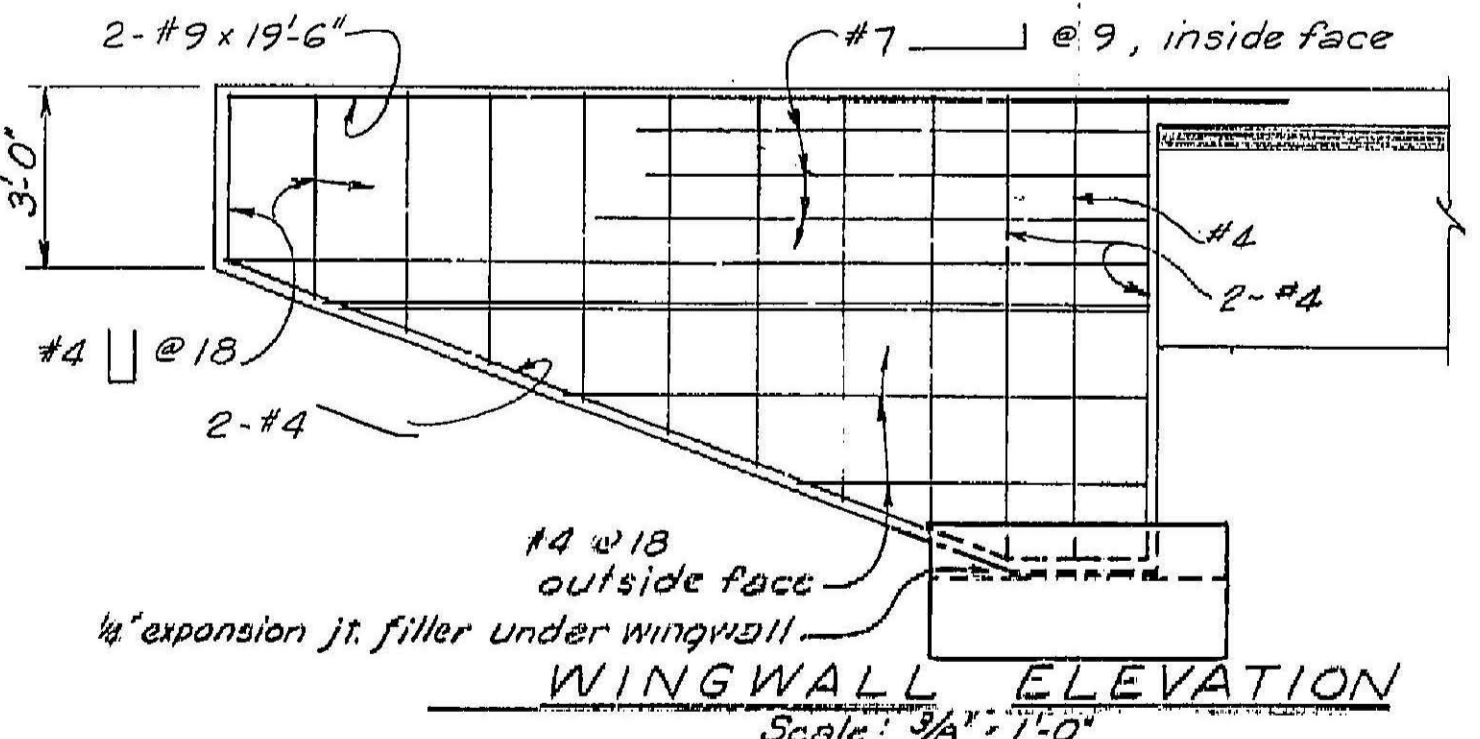
CONTOURS CHECKED AND
 VERIFIED IN FIELD
 Date: 8-14-68
 By: H.H.C.

WO
 CU

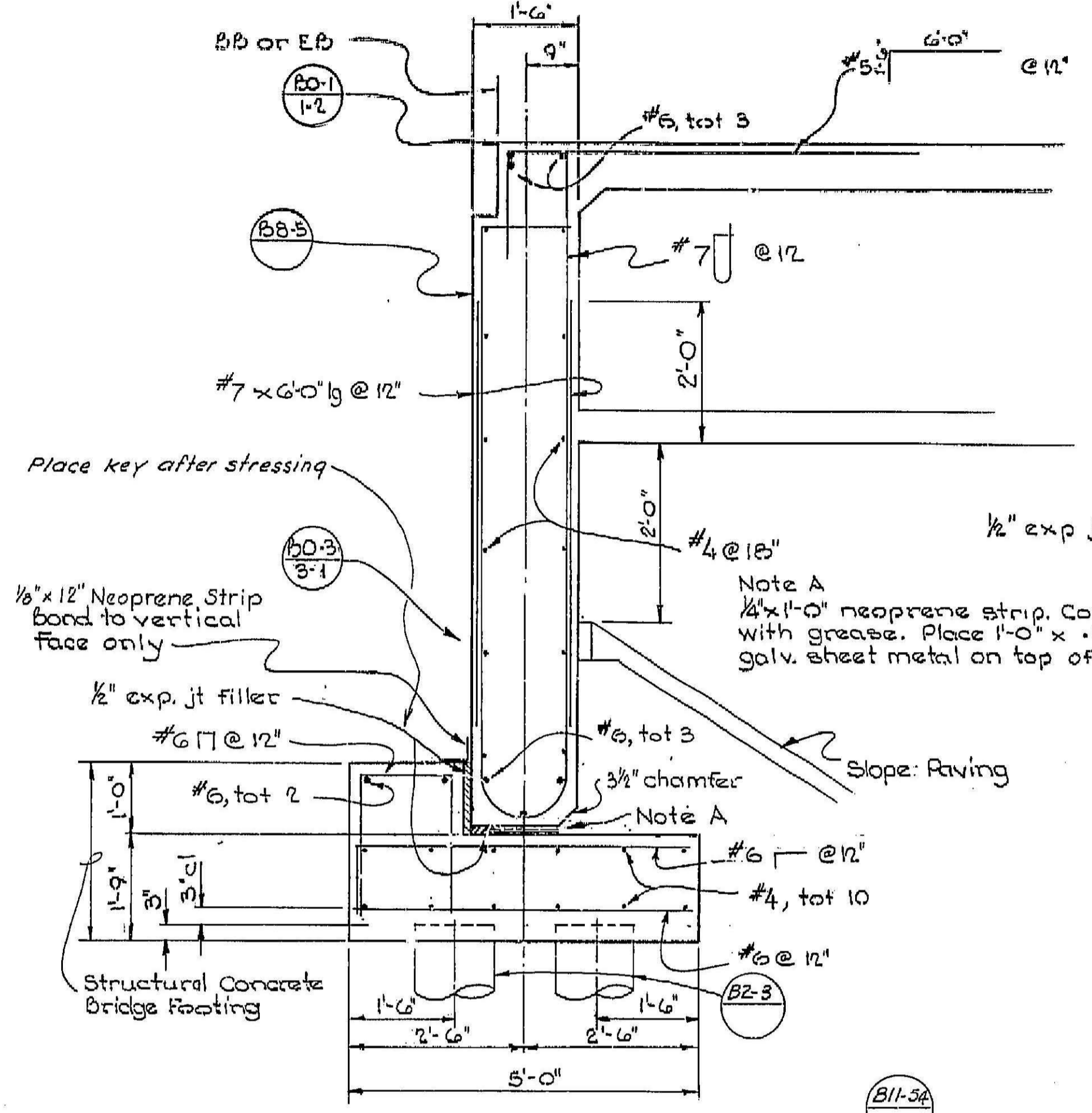
406



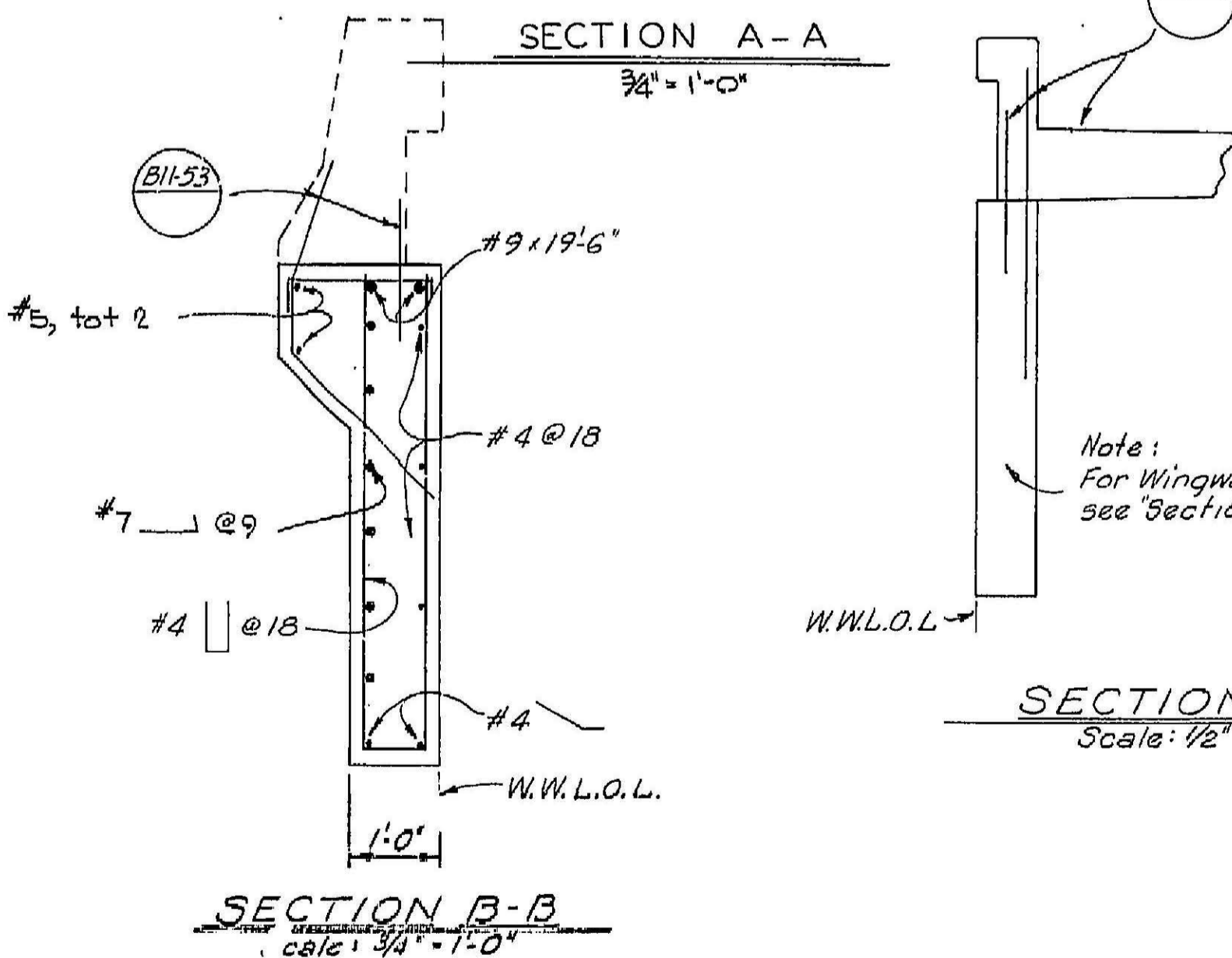
PLAN
Scale: 3/16" = 1'-0"



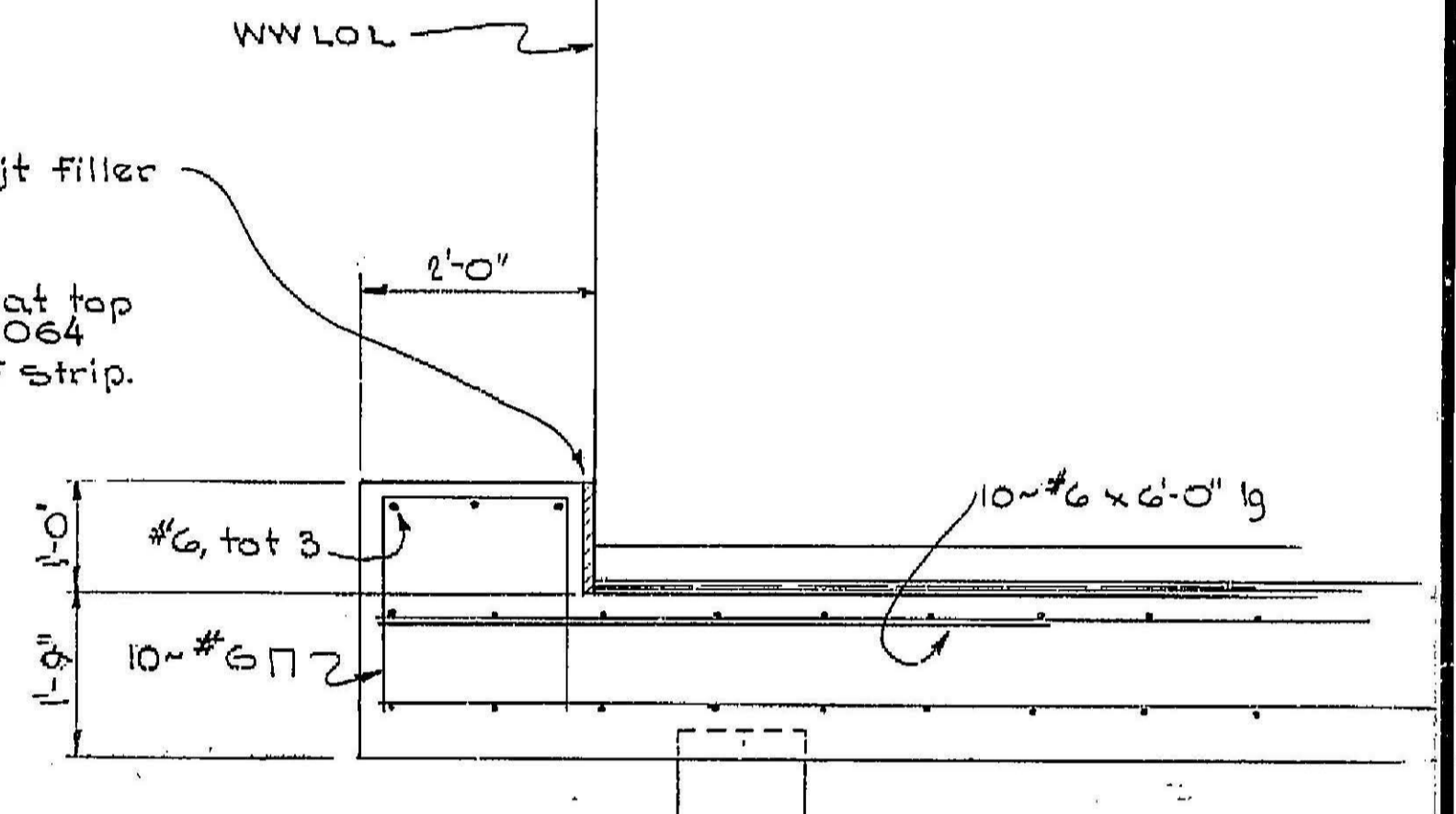
WINGWALL ELEVATION
Scale: 3/8" = 1'-0"



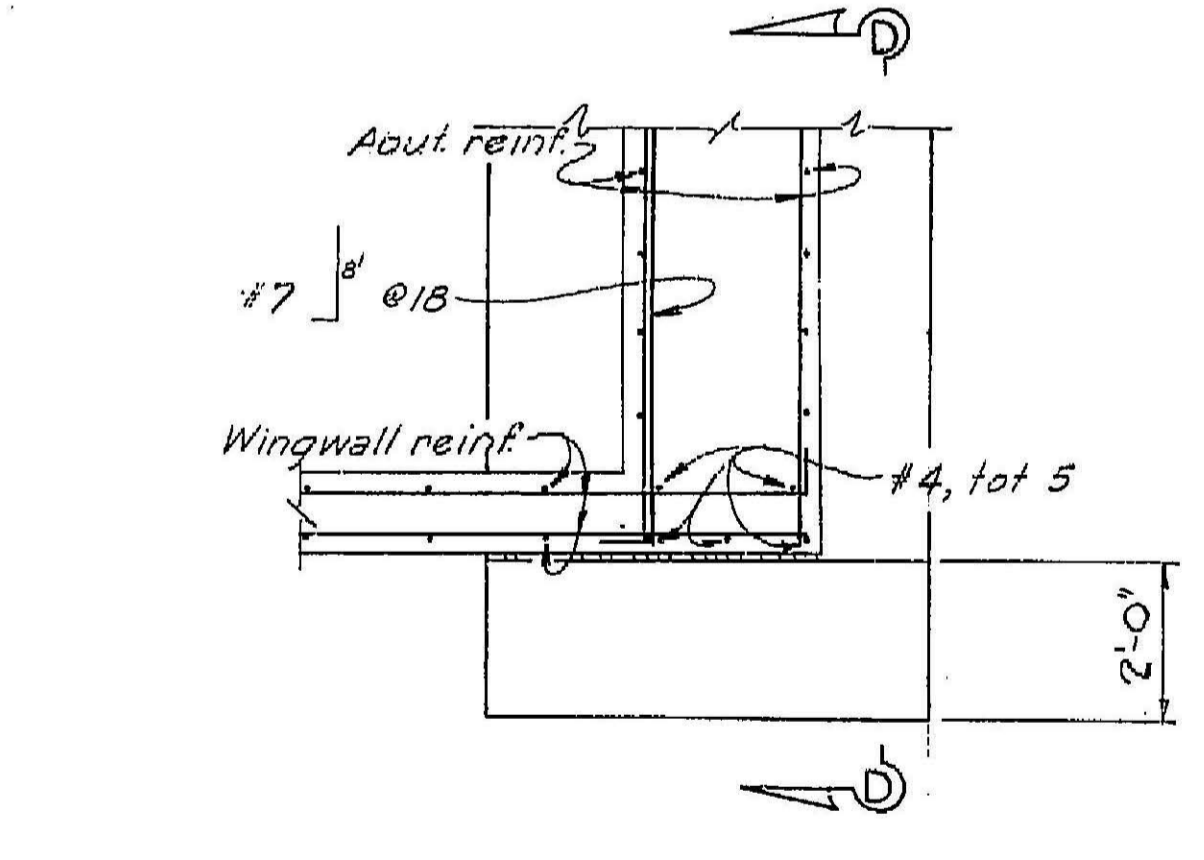
SECTION A-A
Scale: 3/8" = 1'-0"



SECTION B-B
Scale: 3/8" = 1'-0"



SECTION D-D
Scale: 3/8" = 1'-0"

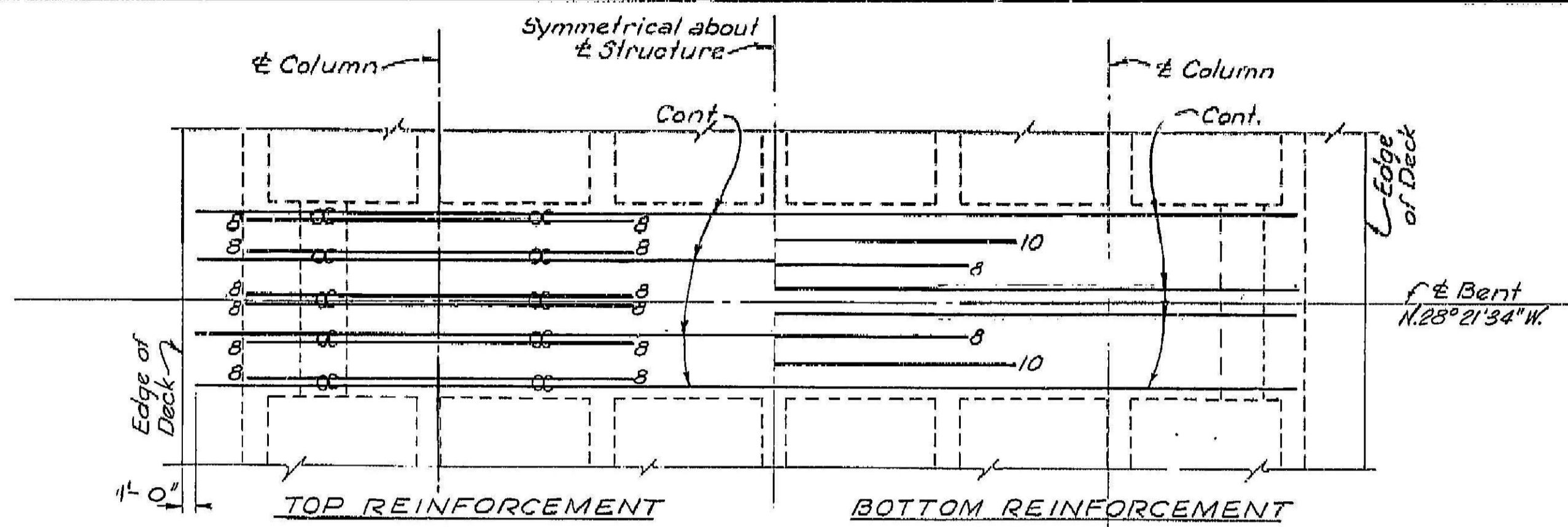


CORNER DETAIL
No Scale

SECTION C-C
Scale: 1/2" = 1'-0"

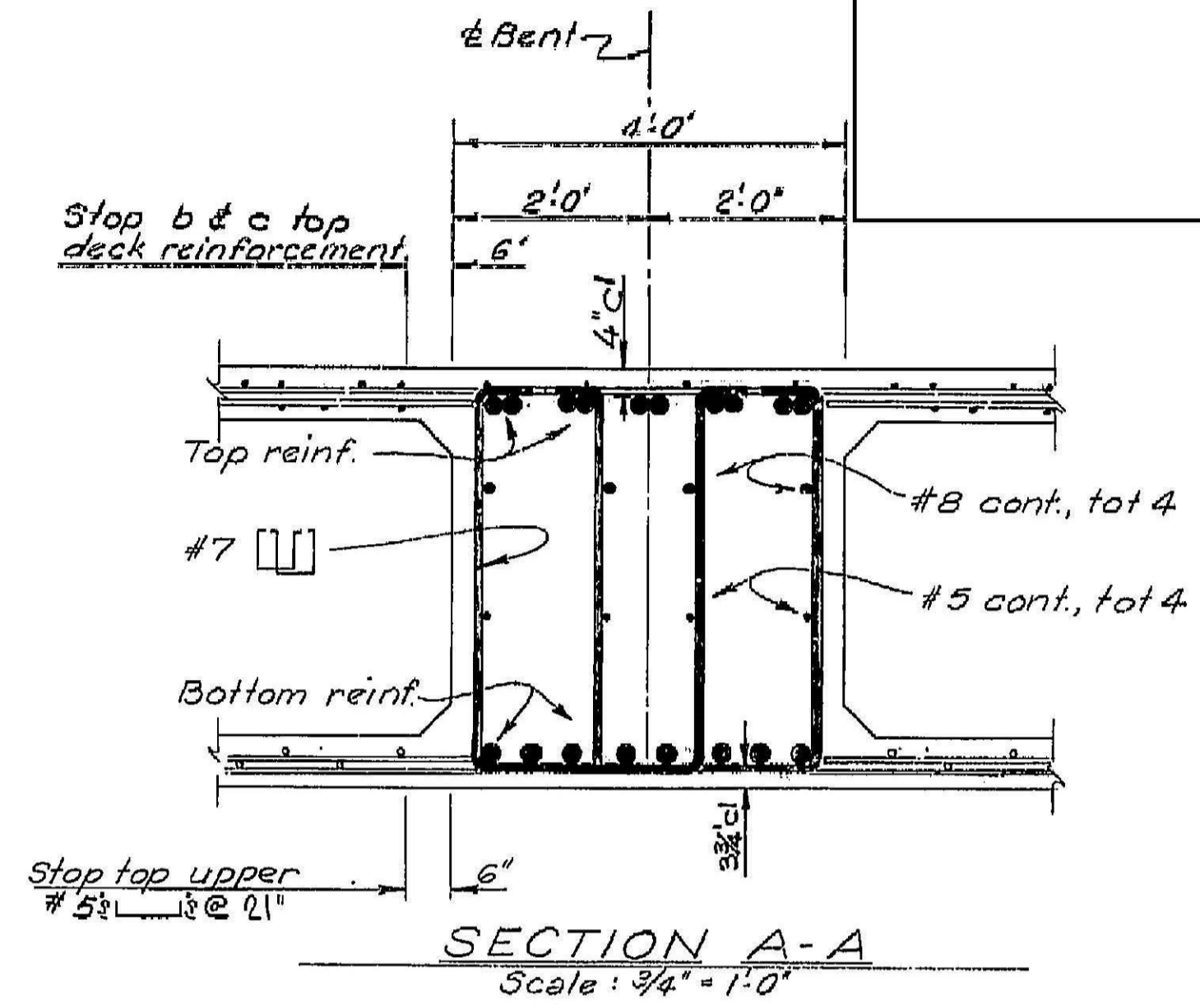
407

WO
CU

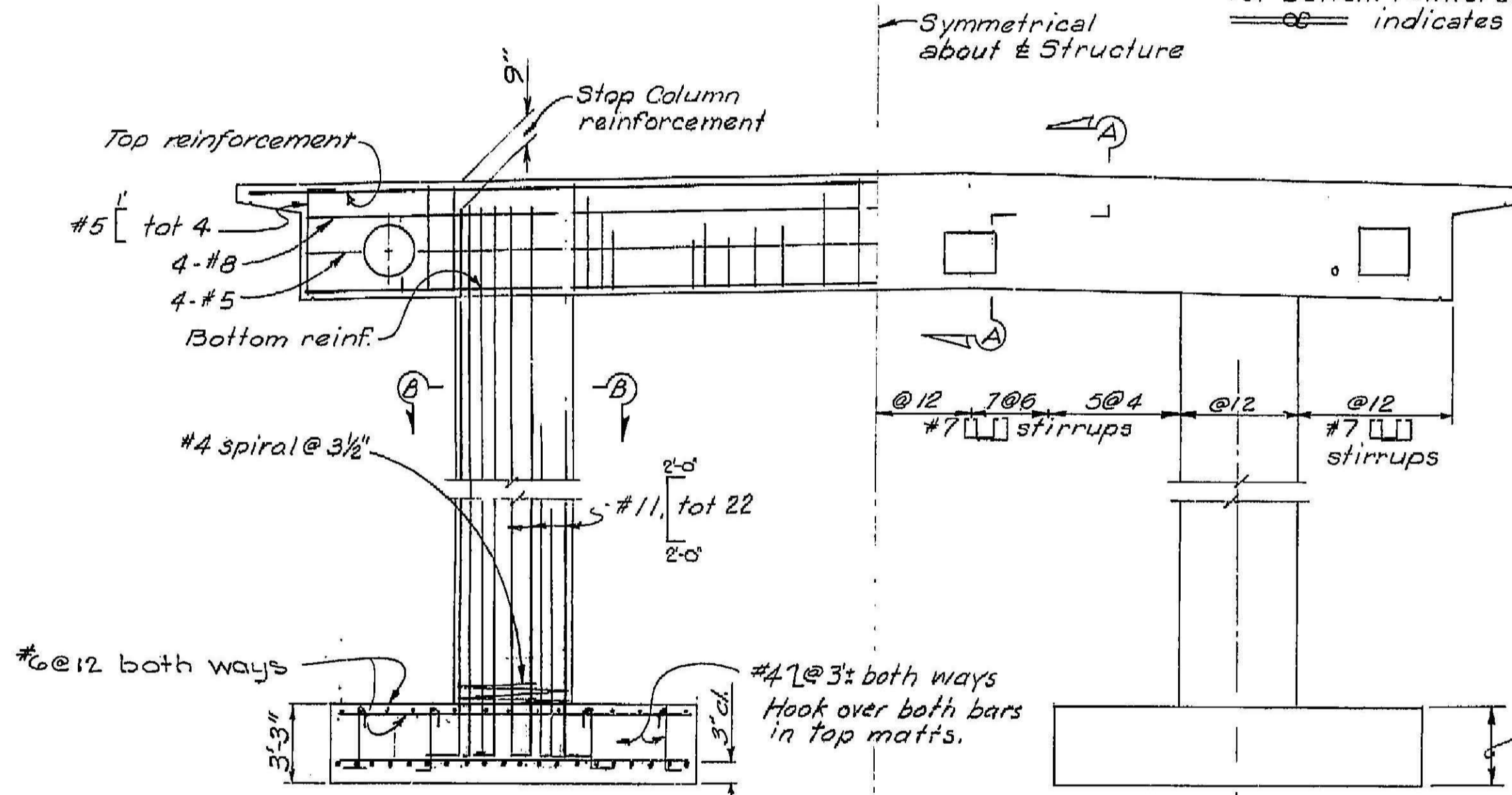


PLAN OF CAP
No Scale

Note:
All bars #18 unless noted otherwise.
Numbers at ends of bars indicate length in feet
from \pm Column for top reinforcement and \pm Structure
for bottom reinforcement.
— indicates bundled bars.

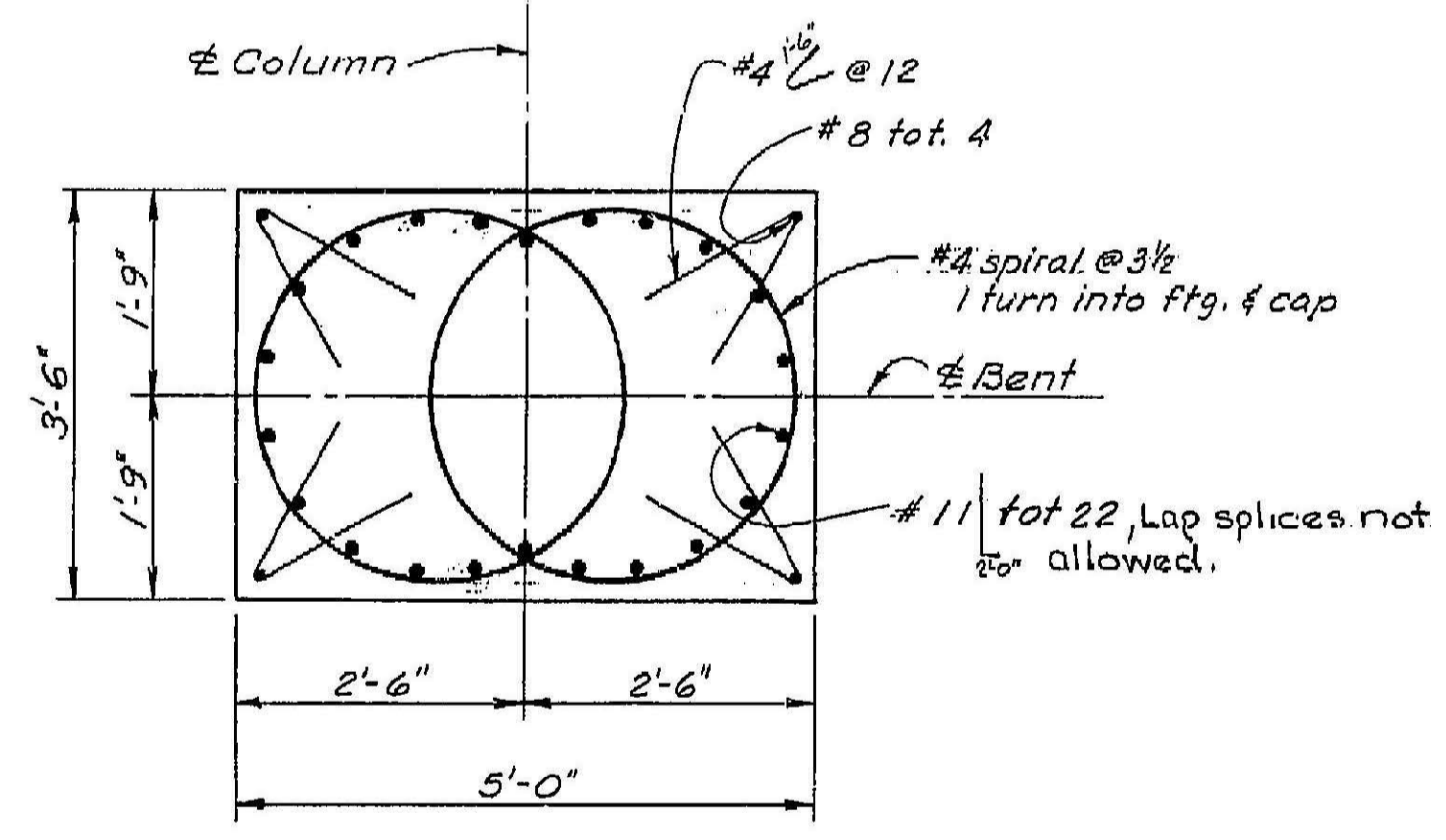


SECTION A-A
Scale: 3/4" = 1'-0"

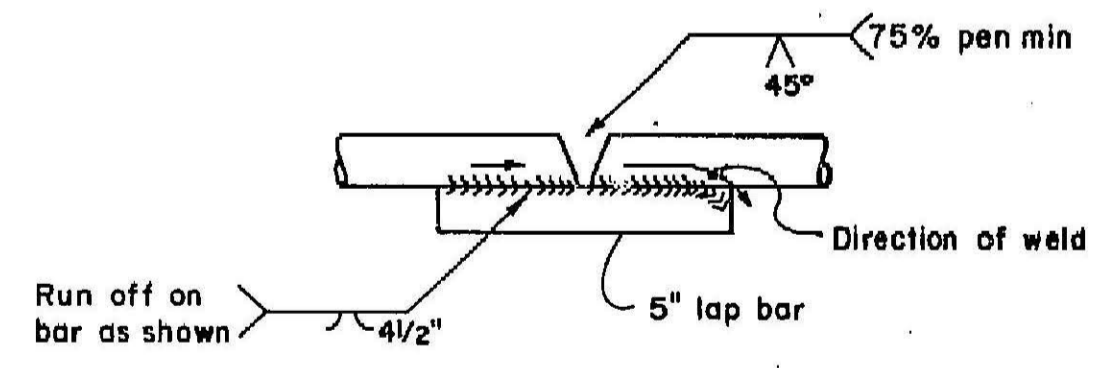


ELEVATION
Scale: 1/4" = 1'-0"
27'-8"

AS BUILT PLANS
Contract No. 07-105674
Date Completed _____
Document No. _____

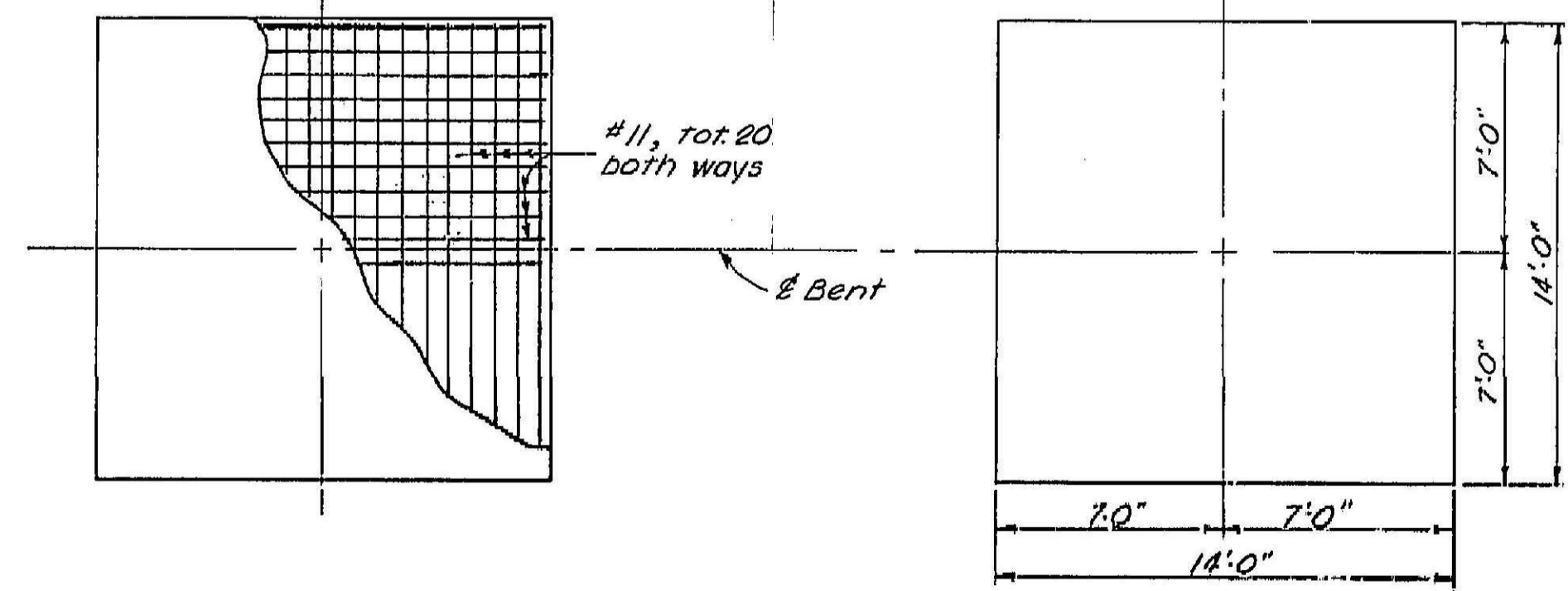


SECTION B-B
Scale: 3/4" = 1'-0"



SPIRAL SPLICE DETAILS

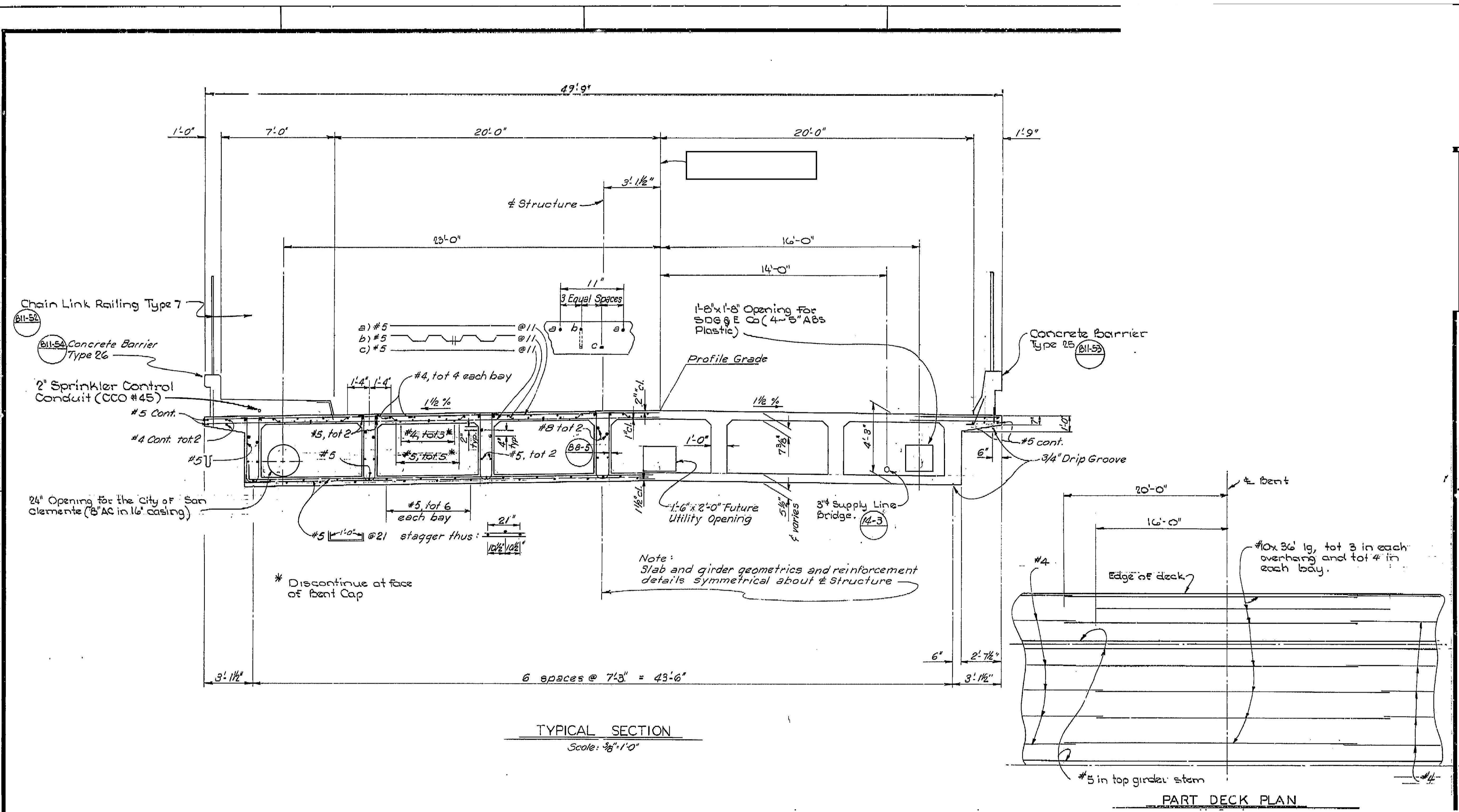
- Notes:
1. Butt weld to be made first.
 2. Butt weld to be in flat or horizontal position.
 3. Lap bar centered on splice.
 4. Flare weld to be made in direction shown.
 5. Lap bar equal in size to spiral bar.



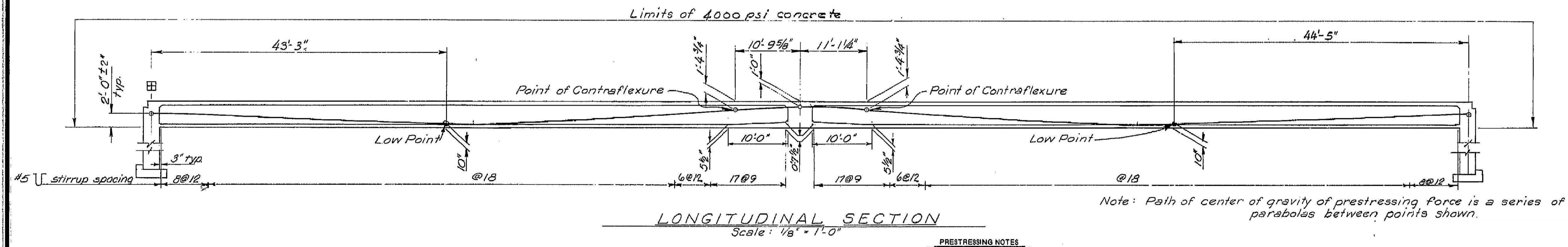
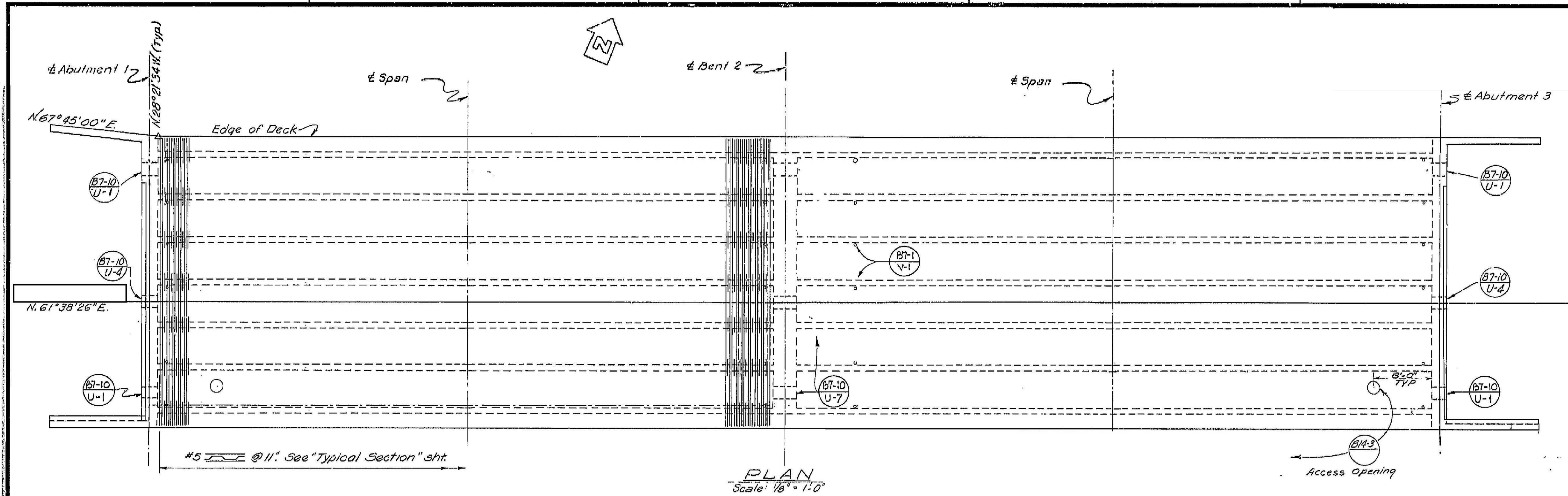
FOOTING PLAN
Scale: 1/4" = 1'-0"

408

WO
CU



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PRESTRESSING NOTES

* $P_{jack} = 8,400$ kips total at jacking end(s) $A_0 = \frac{P_{jack}}{.75 f_s}$

Total number of girders = 7

Concrete: $f_c = 4,000$ psi @ 28 days; $f_{ci} = 3,500$ psi @ time of stressing

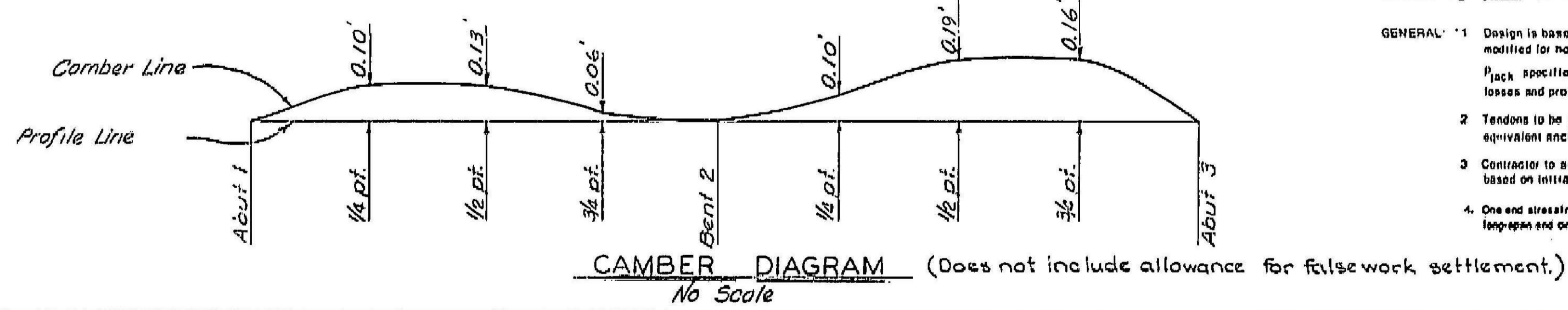
GENERAL: 1 Design is based on $\mu = 0.25$ and $k = 0.0002$, and modified for horizontal curved alignment, if any

P_{jack} specified at the jacking end(s) includes friction losses and provision for 22,000 psi loss in stress

2 Tendons to be jacked to 0.70 f_s and anchored at an equivalent anchor set = 5/8"

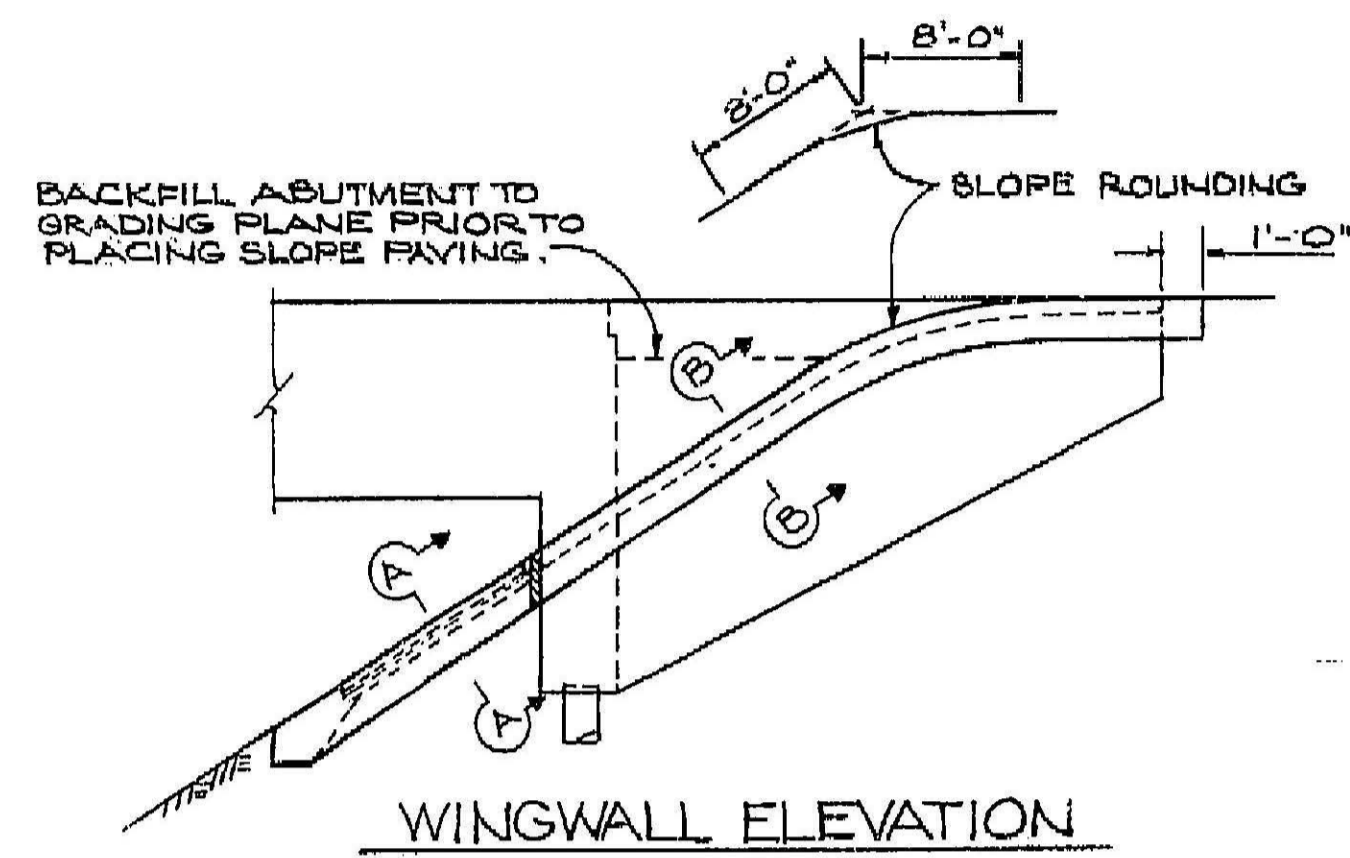
3 Contractor to submit elongation and jacking calculations based on initial stress at $\mu = 0.25$ times jacking stress

4 One end stressing shall be performed from the long-span end only.

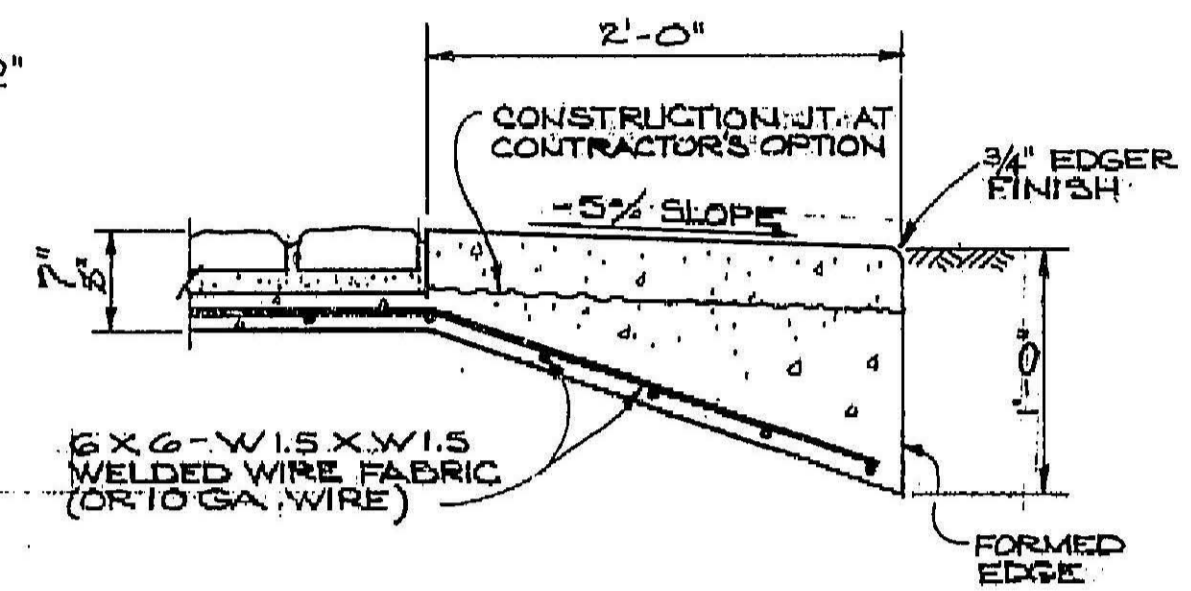


WO
CU

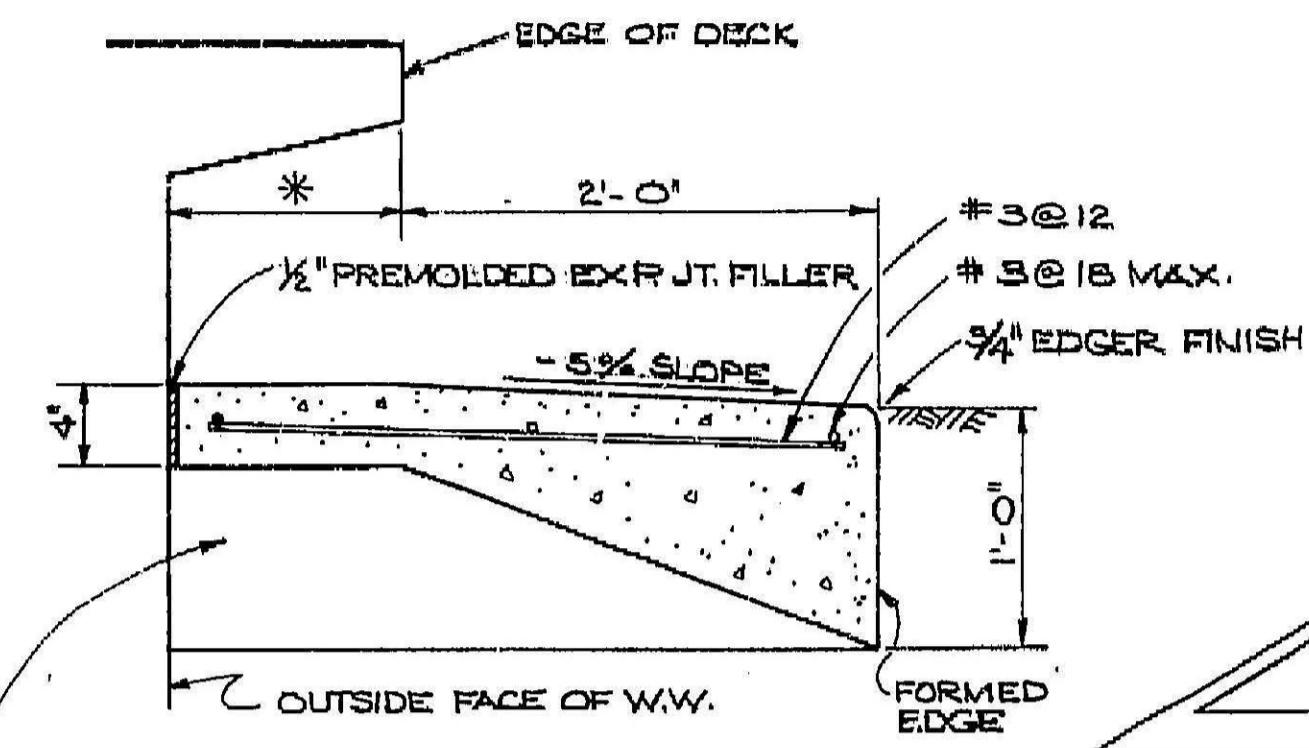
410



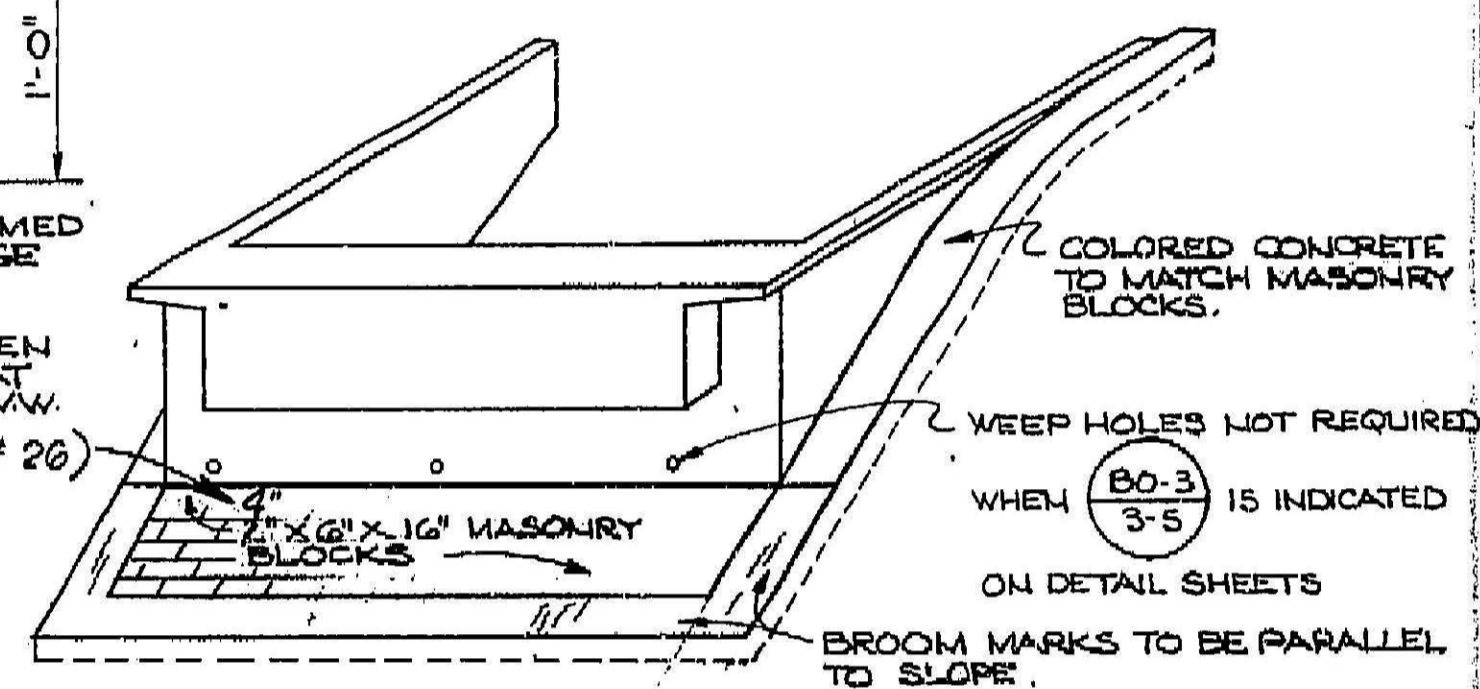
WINGWALL ELEVATION



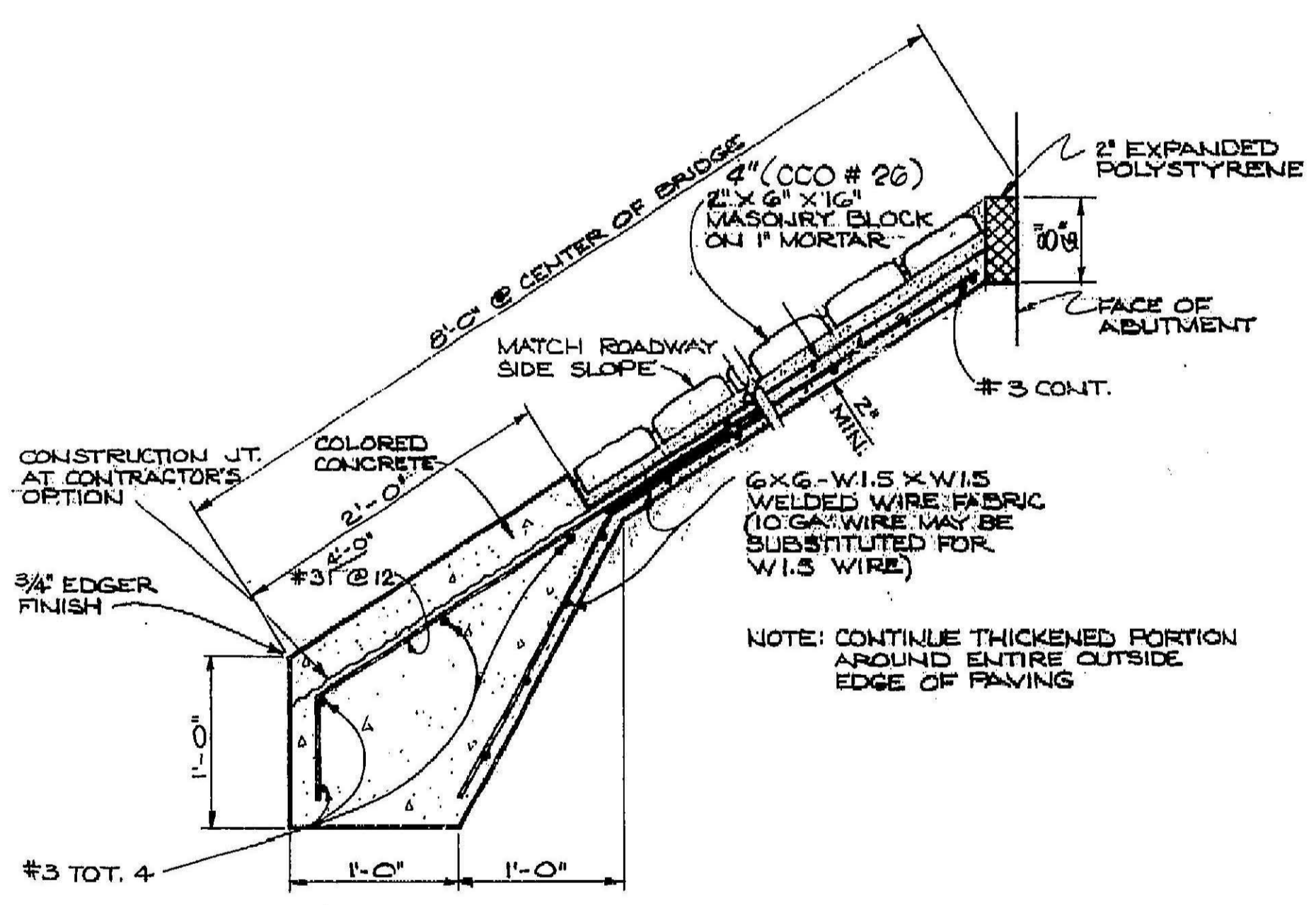
SECTION A-A



SECTION B-B (CCO # 26)



PICTORIAL VIEW OF A TYPICAL INSTALLATION



TYPICAL SECTION

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

Diagnosed print

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