



June 14, 2024 (amended January 27, 2025)

Mr. Roger Laime
Vice President
AECOM Technical Services, Inc.
40 British American Blvd.
Latham, New York 12110

Buffalo
295 Main Street
Suite 200
Buffalo, NY 14203
716.856.3933

Albany
435 New Karner Road
Albany, NY 12205
518.452.1037

Manhattan
215 West 94th Street
Suite 517
New York, NY 10025
212.372.4813

Queens
89-31 161st Street
Suite 901
Jamaica, NY 11432
718.374.3422

**Re: Limited Pre-Demolition Asbestos Inspection
Replacement of Pine Hill Road Bridge over NYS Thruway (I-87)
Town of Woodbury, Orange County, New York**

Dear Mr. Laime,

On June 6, 2024, Foit-Albert Associates, Architecture, Engineering and Surveying, P.C. (Foit-Albert) performed a Limited Pre-Demolition Asbestos Inspection (Inspection) for suspect asbestos containing materials (ACMs) at the above referenced location (Site). The Inspection was performed in conjunction with proposed demolition activities as presented within the project scope.

ACM Inspection Methodology

The Inspection, conducted by Kurt Knoell of Foit-Albert utilized limited destructive methods to collect representative samples of homogenous suspect ACMs at the Site, subject to potential disturbance during proposed renovation activities. Mr. Knoell is an EPA-accredited Asbestos Hazardous Emergency Response Act (AHERA) and New York State Department of Labor (NYSDOL) certified asbestos building inspector (NYSDOL certification #23-6T6Z6-SHAB). The Inspection was conducted in accordance with EPA National Emissions Standards for Hazardous Air Pollutants (NESHAPS), the Occupational Safety and Health Administration's (OSHA) regulation 29 CFR 1926.1101, and NYSDOL Part 56, Title 12 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (Code Rule 56).

The following summarizes the sampling protocol applied:

- A minimum of two (02) samples were collected from each readily visible and accessible suspect homogeneous non-surfacing material in accordance with Code Rule 56.
- Homogeneous materials were quantified, assessed for condition, and collected following AHERA procedures. Each sample was assigned a unique identification number, logged, and submitted under proper chain-of-custody protocol to Paradigm. Paradigm is certified by the National Institute of

Standards and Technology (NIST) and are participants under the National Voluntary Laboratory Accreditation Program (NVLAP), and New York Environmental Laboratory Approval Program (ELAP).

- Samples were analyzed using polarized light microscopy (PLM), in accordance with New York State Department of Health (NYSDOH) ELAP Method 198.6. Per Code Rule 56, all non-organically bound non-friable samples analyzed by PLM reported as “Inconclusive-Trace” or “Inconclusive-No Asbestos Detected” were further analyzed by transmission electron microscopy (TEM), in accordance with NYSDOH ELAP Method 198.4. As per instructions from Foit-Albert, the laboratory completed the analysis using “positive stop” methodology. The “positive stop” analysis method processes the first sample and if determined through laboratory analysis to be ACM, the second duplicate sample(s) of the homogenous sample grouping will not be advanced for further analysis.

ACM Inspection Results and Conclusions

Foit-Albert collected a total of 14 samples from seven (07) homogeneous materials from the Site. Sampled materials included tar sealant (non-friable) pipe insulation material (non-friable) and spray foam (non-friable). The EPA and OSHA define material as asbestos containing if an asbestos content of one percent ($\geq 1\%$) or greater is detected in a representative sample. *As a result of laboratory analysis, it was determined that asbestos concentrations in excess of one percent ($\geq 1\%$) or greater was not identified within the samples processed.* A summary of material(s) analyzed for ACM is presented in Table 1 of the Attachments.

The following historical As-Built Construction Drawings/Record Plans, provided by the NYSDOT, were evaluated for the usage and/or presence of ACM's in relation to the project site. Potential ACMs were identified requiring further consideration:

- New York State Thruway – Catskill Section – Sub Division 6 – C.T. 55-11 R.C. 53-106, S.T.27 – Drawing Number 480-3-10E-411 – Dated May 8th 1953.
 - Sheet HH-11 and HH-9 detail four (04) 4-inch fiber conduits encased within the concrete of the south-side sidewalk and one (01) fiber conduit encased within the abutment concrete. Both conduits extend the entire length of the bridge.

Based on the construction era and the inaccessibility of these conduits, they should be treated as Presumed Asbestos-Containing Material (PACM) in accordance with the definitions outlined in Code Rule 56, EPA NESHAP, and OSHA standards, unless laboratory analysis demonstrates otherwise.

Any disturbance, removal, or alteration of these conduits must comply with Code Rule 56 and all applicable federal, state, and local asbestos regulations, including EPA NESHAP (40 CFR Part 61, Subpart M) and OSHA Asbestos Standards (29 CFR 1926.1101).

Due to the inaccessibility of certain materials within the project site, they are classified as PACMs. As such, these materials must be handled and removed in accordance with applicable regulations as if asbestos has been confirmed.

Should the scope of work change, or if additional suspect ACMs are encountered in previously inaccessible areas during proposed work at the Site, suspect materials should be assumed to be potentially hazardous until additional sample collection and laboratory analysis proves otherwise. Please contact our office at (716) 856-3933 ext. 343 with any questions or comments.

Sincerely,

FOIT-ALBERT ASSOCIATES

Architecture, Engineering and Surveying, P.C.

A handwritten signature in black ink, appearing to read 'Kurt Knoell', with a stylized flourish at the end.

Kurt Knoell
Senior Environmental Scientist

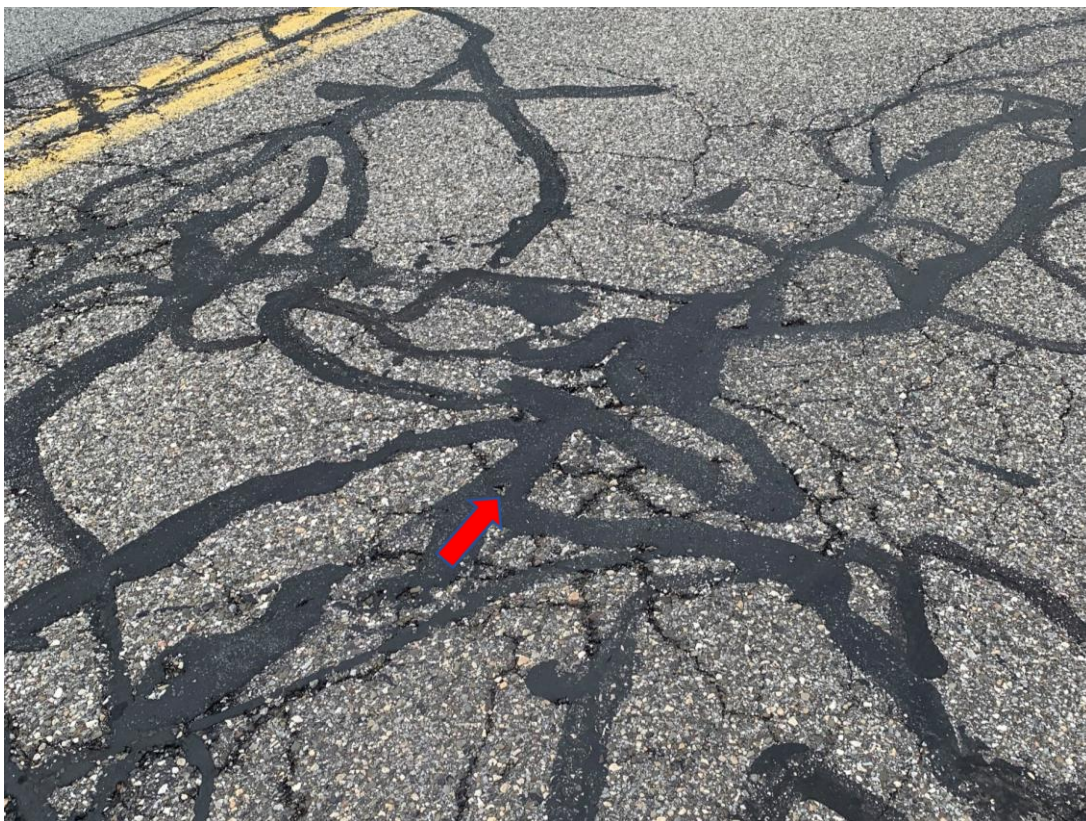
Attachments:

- Sample Photographic Documentation
- Tables
- Analytical Reports/Chain-of Custody Documentation
- Regulatory Agency Certifications

Photographic Documentation



Photograph 1 – View of non-ACM black tar sealant on bridge deck curb (ACM-1 & ACM-2)



Photograph 2 – View of non-ACM black tar sealant on bridge deck asphalt (ACM-3 & ACM-4)



Photograph 3 – View of non-ACM grey foam with black tar sealer on bridge deck (ACM-5 & ACM-6)



Photograph 4 – View of non-ACM black pipe insulation material from utility pipe under bridge (ACM-7 & ACM-8)



Photograph 5 – View of non-ACM black tar sealant on bridge abutment underside top part (ACM-9 & ACM-10)



Photograph 6 – View of non-ACM black tar sealant on bridge abutment underside lower half (ACM-11 & ACM-12)



Photograph 7 – View of non-ACM white spray foam on southeast wingwall (ACM-13 & ACM-174)

TABLES

Table 1
ACM Analysis Summary Table
Pine Hill Road Over NYS Thruway I-87
Town of Woodbury, New York

Sample ID	Percent (%) Asbestos
Bridge Deck Curb - Black Tar Sealant	
ACM-1	<1.0%
ACM-2	<1.0%
Bridge Deck Asphalt - Black Tar Sealant	
ACM-3	<1.0%
ACM-4	<1.0%
Bridge Deck - Grey/Black Foam Material with Tar	
ACM-5	<1.0%
ACM-6	<1.0%
Bridge Underside Utility Pipe - Black Insulation Material	
ACM-7	<1.0%
ACM-8	<1.0%
Bridge Abutment Underside of Bridge Top Part - Black Tar Sealant	
ACM-9	<1.0%
ACM-10	<1.0%
Bridge Abutment Underside of Bridge Lower Half - Black Tar Sealant	
ACM-11	N/A
ACM-12	N/A
Southwest Wingwall - White Spray Foam	
ACM-13	None Detected
ACM-14	None Detected

LABORATORY ANALYTICAL REPORTS



PLM & TEM BULK ASBESTOS ANALYSIS REPORT

via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Foit-Albert Associates

Job No: 1281-24B

Location: Pine Hill Rd. Bridge

Page: 1 of 4

Project # 220260.03

Sample Date: 6/6/2024

Sample Received Date: 6/12/2024

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
ACM-1	11013	Bridge Deck Curb	Black Tar Sealant	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ACM-2	11014	Bridge Deck Curb	Black Tar Sealant	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ACM-3	11015	Bridge Deck Asphalt	Black Tar Sealant	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ACM-4	11016	Bridge Deck Asphalt	Black Tar Sealant	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ACM-5	11017	Bridge Deck	Grey/ Black Foam Material with Tar	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ACM-6	11018	Bridge Deck	Grey/ Black Foam Material with Tar	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ACM-7	11019	Bridge Underside Utility Pipe	Black Insulation Material	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ACM-8	11020	Bridge Underside Utility Pipe	Black Insulation Material	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ACM-9	11021	Bridge Abutment Underside of Bridge Top Part	Black Tar Sealant	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ACM-10	11022	Bridge Abutment Underside of Bridge Top Part	Black Tar Sealant	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

✓ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

N/A - Not Applicable

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763.

ELAP ID No.: 11955

PLM Date Analyzed: 6/13/2024

TEM Date Analyzed: 6/13/2024

PLM Analyst: A. Maciejewski

TEM Analyst: A. Maciejewski

Microscope: Olympus BH-2 #241709

Microscope: Hitachi 600 AB

Laboratory Results Approved By:
Asbestos Technical Director or Designee

Andrew Maciejewski

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT

via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Foit-Albert Associates

Job No: 1281-24B

Location: Pine Hill Rd. Bridge

Page: 2 of 4

Project # 220260.03

Sample Date: 6/6/2024

Sample Received Date: 6/12/2024

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
ACM-11	11023	Bridge Abutment Underside of Bridge Lower Half	Black Tar Sealant	<1.0% Residue Remaining. PLM and TEM Not Required.	N/A	X	N/A	N/A	N/A	N/A
ACM-12	11024	Bridge Abutment Underside of Bridge Lower Half	Black Tar Sealant	<1.0% Residue Remaining. PLM and TEM Not Required.	N/A	X	N/A	N/A	N/A	N/A
ACM-13	11025	Southwest Wingwall	White Spray Foam	None Detected	0%		Not Required	N/A	None Detected	100%
ACM-14	11026	Southwest Wingwall	White Spray Foam	None Detected	0%		Not Required	N/A	None Detected	100%

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

⌵ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

N/A - Not Applicable

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763.

ELAP ID No.: 11955

PLM Date Analyzed: 6/13/2024

TEM Date Analyzed: 6/13/2024

PLM Analyst: A. Maciejewski

TEM Analyst: A. Maciejewski

Microscope: Olympus BH-2 #241709

Microscope: Hitachi 600 AB

Laboratory Results Approved By:
Asbestos Technical Director or Designee

Andrew Maciejewski

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CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS

☐ 179 Lake Avenue, Rochester, New York 14608
☒ 1430 Millersport Hwy, Buffalo, NY 14221

Office: 585-647-2530
Office: 716-775-5777

Client Mailing Address: 295 Main St #200 Buffalo, New York 14203	Client:		Foitt-Albert Associates		Contact:	Kurt Knoell			
	Phone Number:		716-867-3888		Email Address for Data: kknoell@foitt-albert.com				
	Results To:	Kurt Knoell		Turn Around Time: <u>6/14</u>			Other <input type="checkbox"/>		
	Date Sampled:	6/6/2024		Material Type/Quantity:					
	Project Location:		Pine Hill Rd Bridge - Project #220260.03		Friable	X	NOB	X	TEM

OFFICE USE ONLY		
Job #:	<u>1281-248</u>	
Page	1	of 2
Date Logged In:	<u>6/12</u>	
Logged In By:	<u>wn</u>	

Client ID	Lab ID	Sampling Location	Type of Material	Color
1 ACM-1	11013	Bridge Deck Curb - Tar Sealant - Black	Bridge Deck Curb - Tar Sealant - Black	
2 ACM-2	14	Bridge Deck Curb - Tar Sealant - Black	Bridge Deck Curb - Tar Sealant - Black	
3 ACM-3	15	Bridge Deck Asphalt - Tar Sealant - Black	Bridge Deck Asphalt - Tar Sealant - Black	
4 ACM-4	16	Bridge Deck Asphalt - Tar Sealant - Black	Bridge Deck Asphalt - Tar Sealant - Black	
5 ACM-5	17	Bridge Deck - Foam Material with Tar - Grey & Black	Bridge Deck - Foam Material with Tar - Grey & Black	
6 ACM-6	18	Bridge Deck - Foam Material with Tar - Grey & Black	Bridge Deck - Foam Material with Tar - Grey & Black	
7 ACM-7	19	Bridge Underside Utility Pipe - Insulation Material - Black	Bridge Underside Utility Pipe - Insulation Material - Black	
8 ACM-8	20	Bridge Underside Utility Pipe - Insulation Material - Black	Bridge Underside Utility Pipe - Insulation Material - Black	
9 ACM-9	21	Bridge Abutment Underside of Bridge Top Part - Tar Sealant - Black	Bridge Abutment Underside of Bridge Top Part - Tar Sealant - Black	
10 ACM-10	22	Bridge Abutment Underside of Bridge Top Part - Tar Sealant - Black	Bridge Abutment Underside of Bridge Top Part - Tar Sealant - Black	

Sampled By:	Date:
Kurt Knoell	6/6/2024
Transported to Paradigm By:	Date:
Kurt Knoell	6/12/24
Received By:	Date:
<u>Donald W. Doh</u>	6-12-24 1257

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.	
CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	<input checked="" type="checkbox"/>
or provide TEM contact name:	
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:	

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

*PLEASE EMPLOY POSITIVE STOP

CHAIN OF CUSTODY FOR BULK ASBESTOS ANALYSIS



☐ 179 Lake Avenue, Rochester, New York 14608
☒ 1430 Millersport Hwy, Buffalo, NY 14221

Office: 585-647-2530
Office: 716-775-5777

Client:	Foit-Albert Associates	Contact:	Kurt Knoell
Phone Number:	716-867-3888	Email Address for Data:	kknoell@foit-albert.com
Results To:	Kurt Knoell	Turn Around Time:	1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Other <input type="checkbox"/> <u>6/14</u>
Date Sampled:	6/6/2024	Material Type/Quantity:	Friable <input checked="" type="checkbox"/> NOB <input type="checkbox"/> TEM <input checked="" type="checkbox"/>
Project Location:	Pine Hill Rd Bridge - Project #220260.03		

OFFICE USE ONLY	
Job #:	<u>1281 - 24/3</u>
Page	<u>2</u> of <u>2</u>
Date Logged In:	<u>6/12</u>
Logged In By:	<u>W</u>

	Client ID	Lab ID	Sampling Location	Type of Material	Color
1	ACM-11	10123	Bridge Abutment Underside of Bridge Lower Half - Tar Sealant - Black		
2	ACM-12	24	Bridge Abutment Underside of Bridge Lower Half - Tar Sealant - Black		
3	ACM-13	25	Southwest Wingwall - Spray Foam - White		
4	ACM-14	26	Southwest Wingwall - Spray Foam - White		
5	15				
6	16				
7	17				
8	18				
9	19				
10	20				

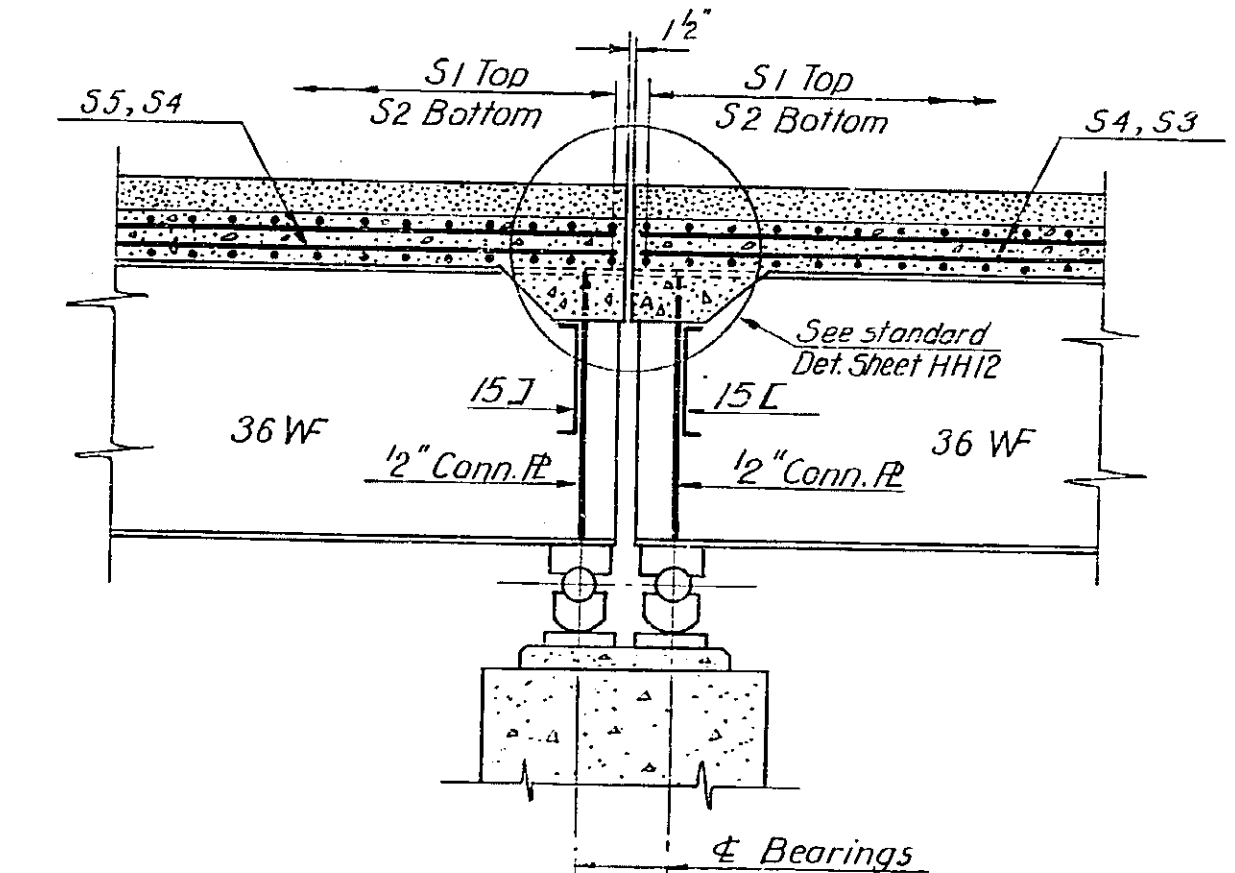
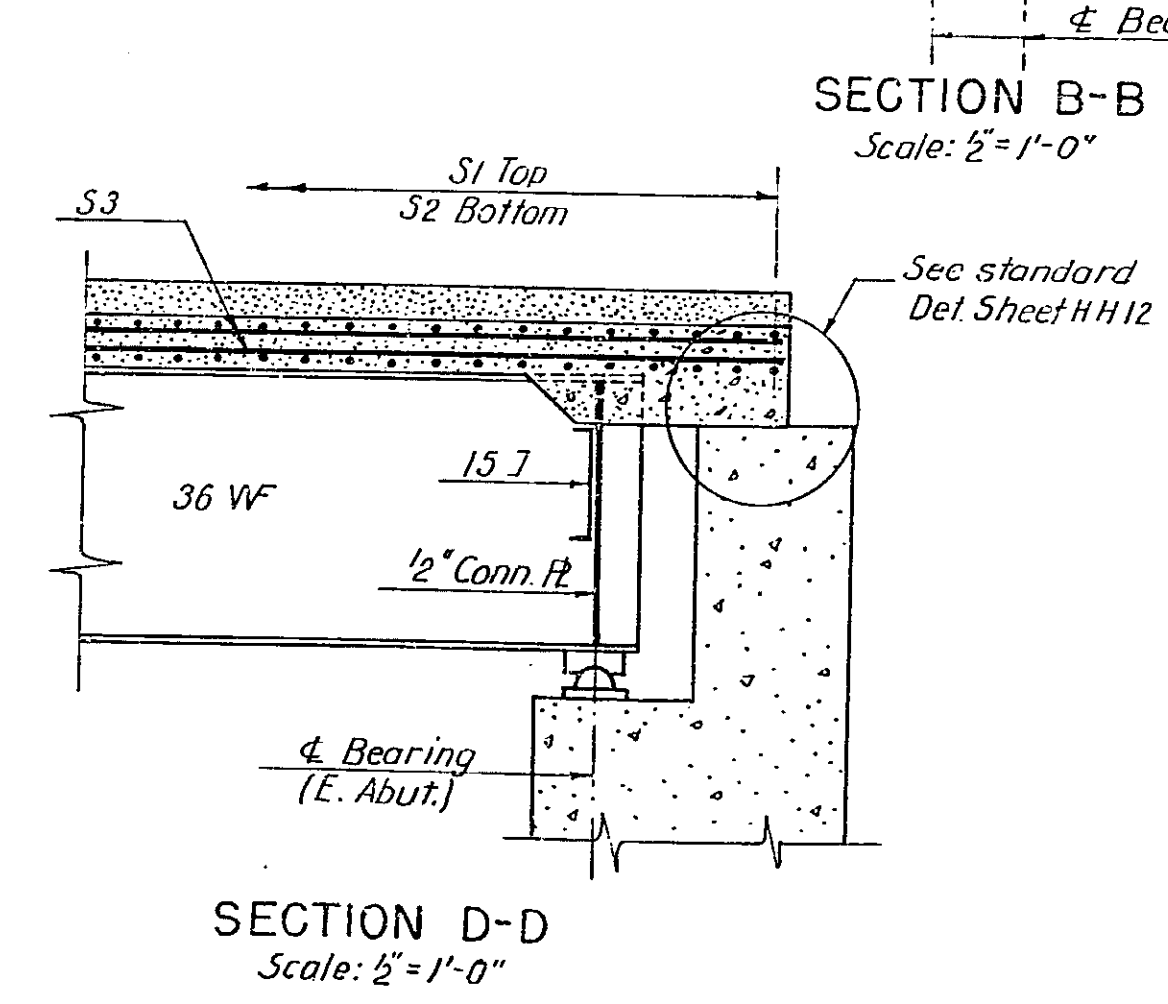
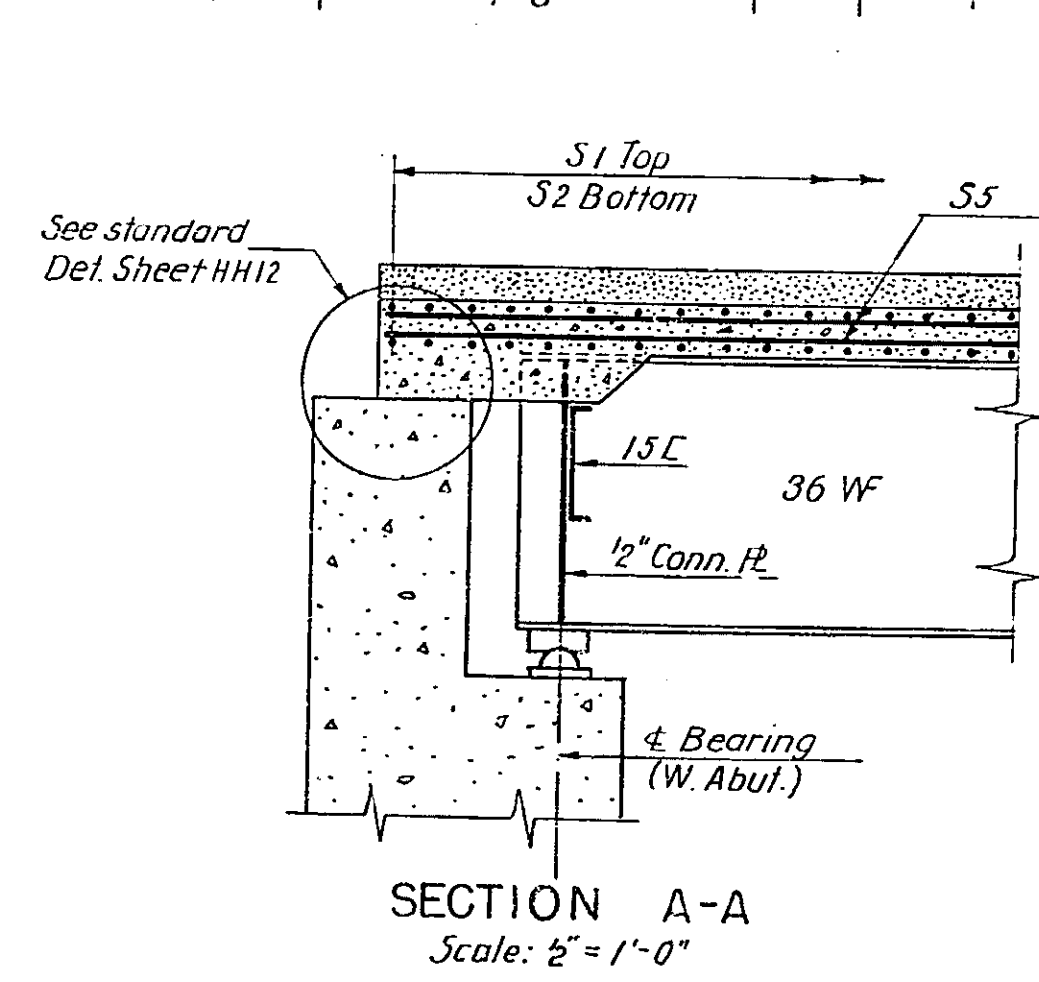
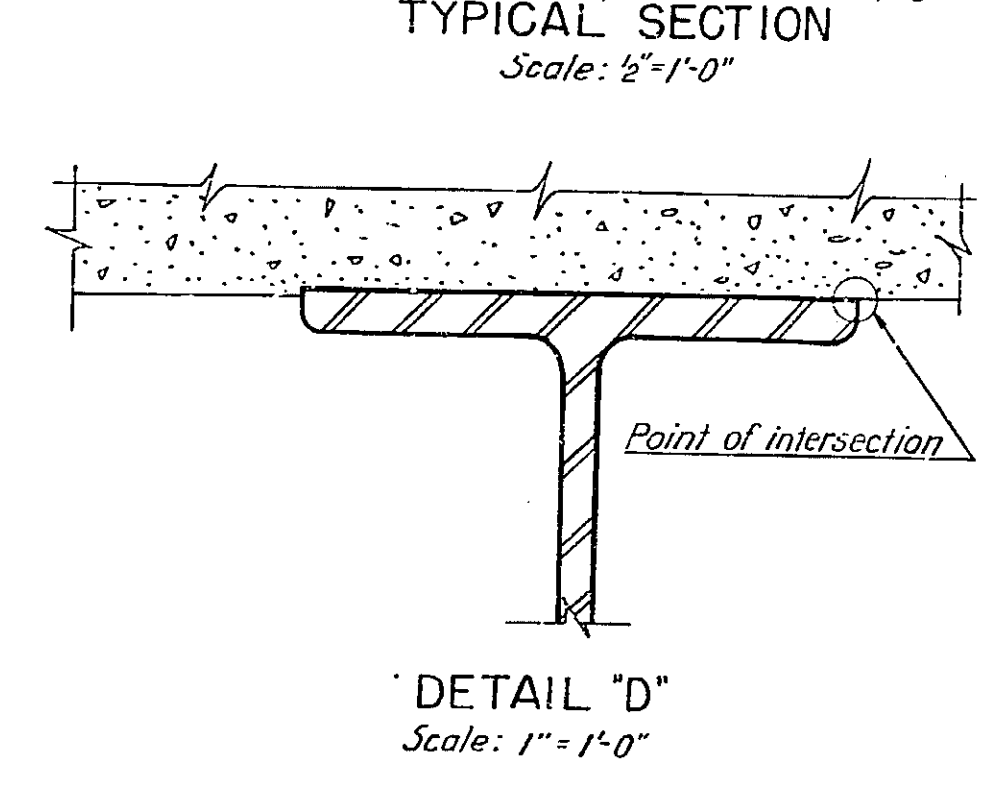
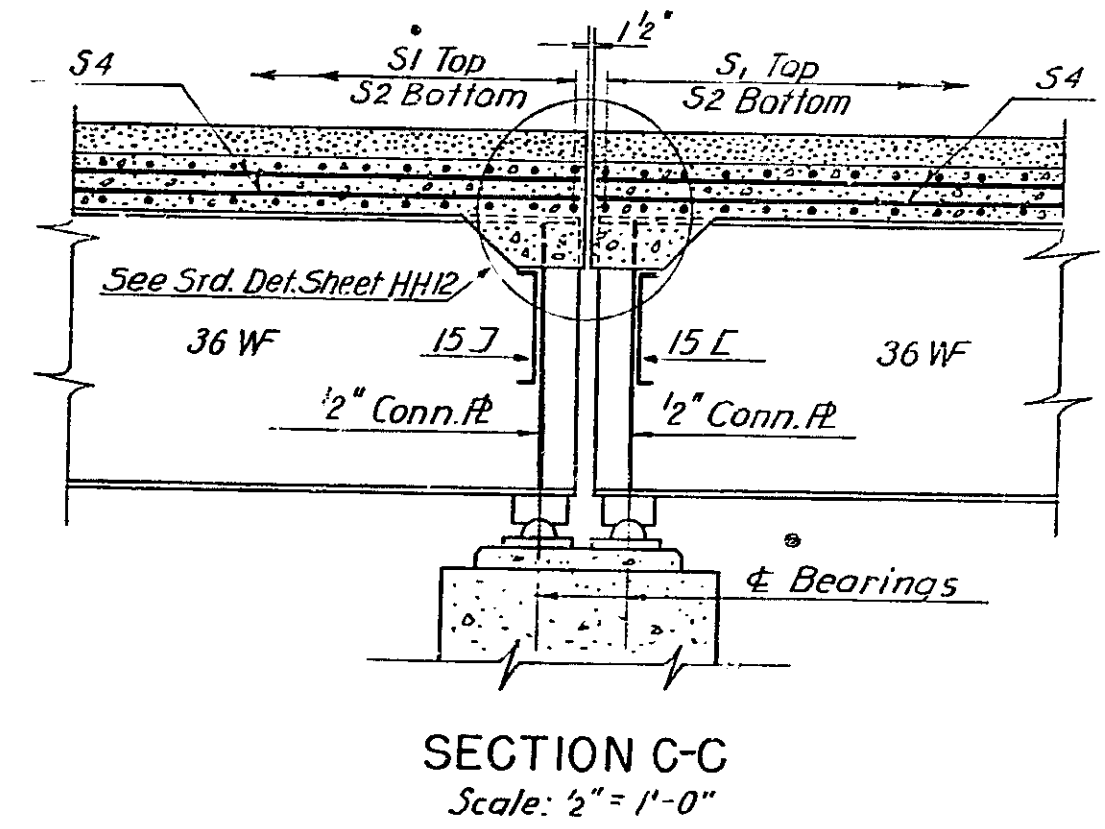
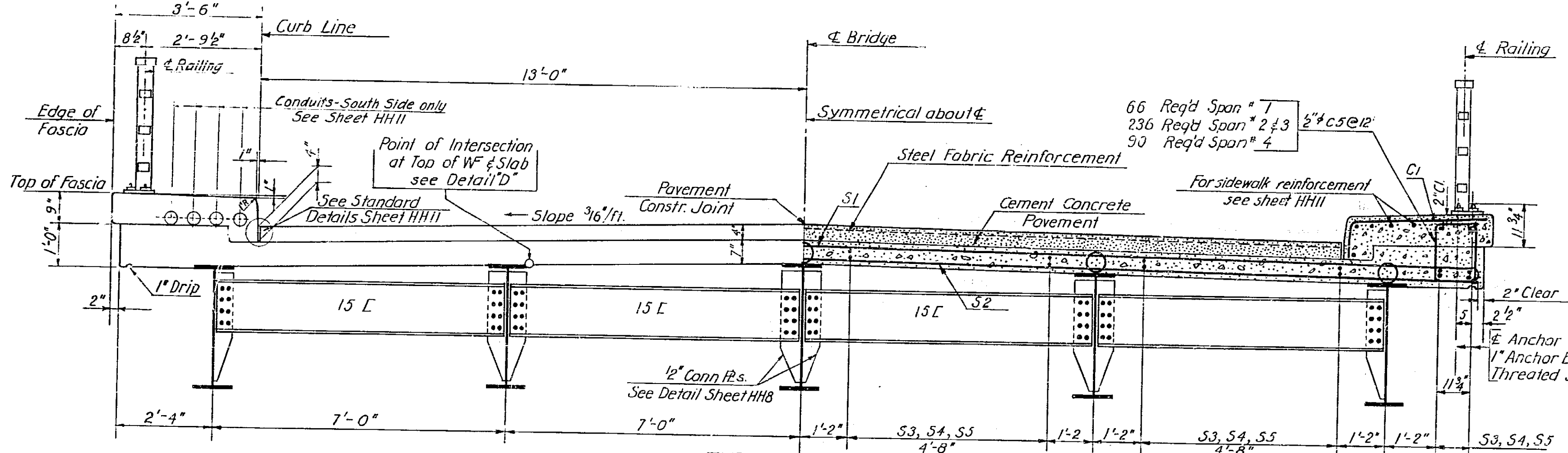
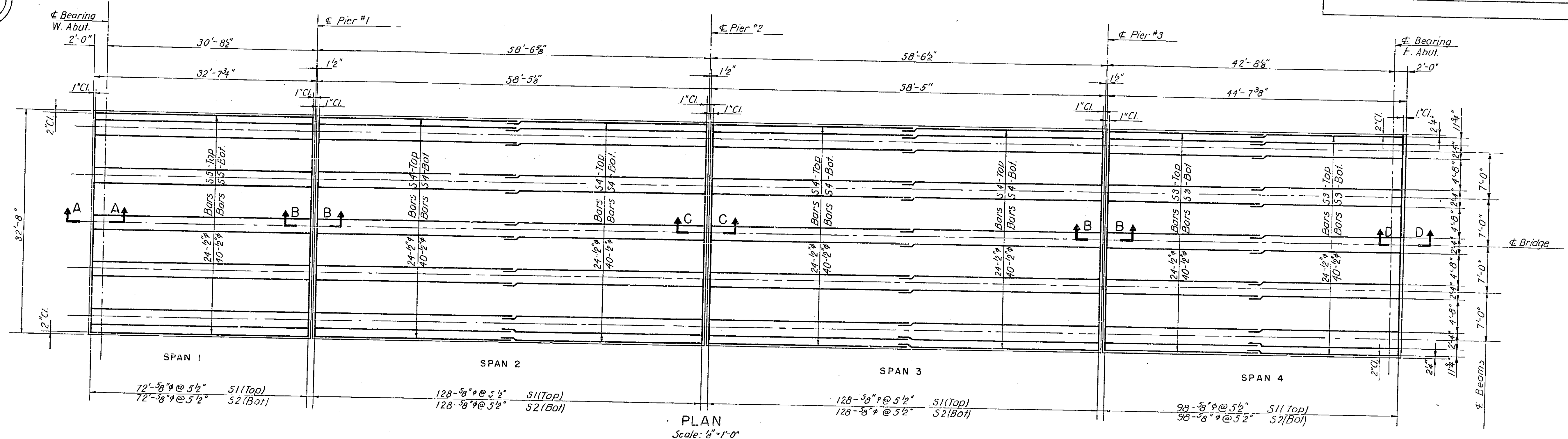
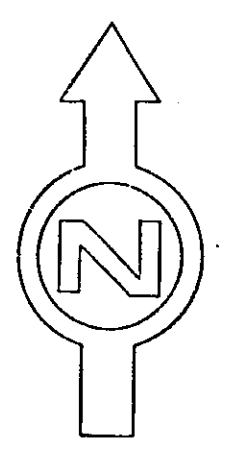
Sampled By:	Date:
Kurt Knoell	6/6/2024
Transported to Paradigm By:	Date:
Kurt Knoell	6/12/24
Received By:	Date:
<u>[Signature]</u>	6-12-24 1257

All samples will be analyzed by the appropriate New York State Department of Health methods (198.1, 198.4 and 198.6) unless EPA 600/M4/82/020 per 40 CFR 763 and/or EPA 600/R-93/116 methods are requested.	
CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	<input checked="" type="checkbox"/>
or provide TEM contact name:	
TOTAL NUMBER OF SAMPLES ON ALL CHAINS OF CUSTODY:	

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

*PLEASE EMPLOY POSTIVE STOP

As-Built Construction Drawings/Record Plans



NOTES

Placing dimensions are given center to center of bars unless noted otherwise

Where reinforcement interferes with anchor bolts, spiral connectors, etc. shift or bend bars

Minimum lap length for splices shall be 40 bar diameters

Concrete in Structural Slab, Item 18

Bar Reinforcement, Item 28

Steel Fabric Reinforcement, Item 25F

Spiral Shear Connectors, Item 28 BA

Cement concrete Pavement, Item 47 BMG

REFERENCE DRAWINGS

General Plan, Elevation & Notes	HH 2
Profiles & Sections	HH 3
Abutments, Masonry & Reinforcement	HH 5
Beams & Diaphragms, Plan, Section & Dets	HH 8
Standard Bridge Details	HH 11
Standard Bridge Details	HH 12
Bar Schedule	HH 13

CATSKILL THRUWAY
UNDER PINE HILL ROAD-TOWN ROAD

STA. 1003+90
ORANGE COUNTY

BRIDGE SLAB
PLAN, ELEVATION & DETAILS

SCALE AS SHOWN

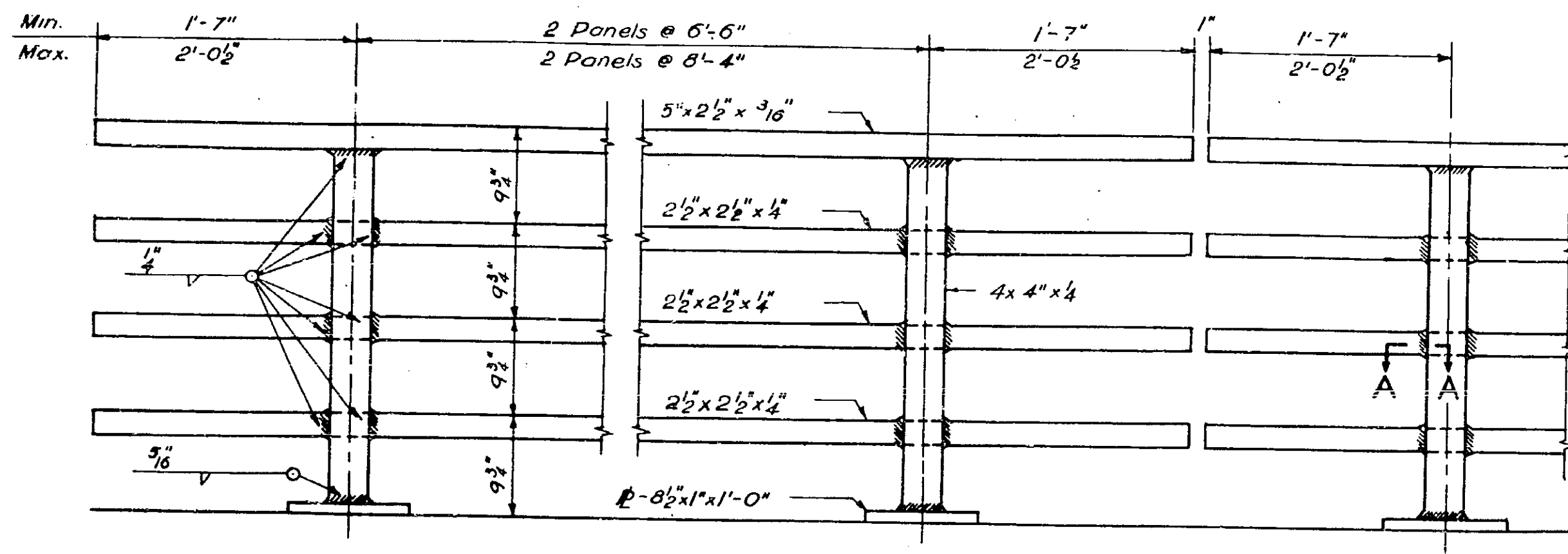
Prepared and Recommended:
E. H. Harlow
E. H. HARLOW, VICE PRES. N. Y. STATE P. E. LIC. NO. 20747

In Charge of: *R. J. Harris*
Made by: *J. Salkauskis*
Checked by: *F. Rothermel*
Traced by: *K. Furkalowsky*
Tracing Chk by: *J. Romaniuk*

FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N. Y.

COUNTY	SHEET NO.	TOTAL SHEETS
ORANGE	235	370
N. Y. STATE THRUWAY-CATSKILL SECTION-SUB DIV. 6		

See Plan

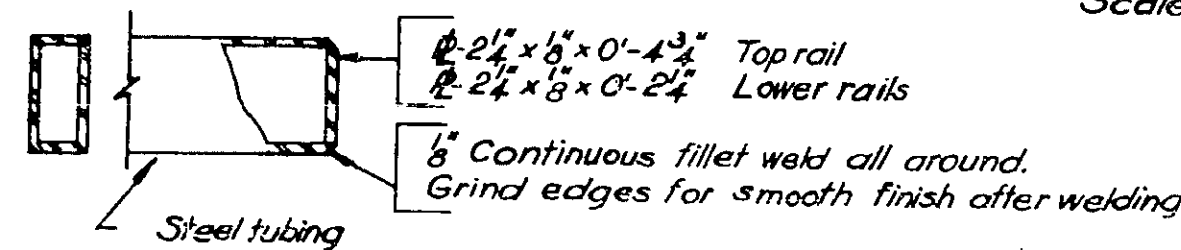


TYPICAL TUBULAR RAILING

Scale 1" = 1'-0"

Notes:

- Metal railing Item 37
- Double panel as shown.
- Single panel similar except for panel length.
- All railings are to be fabricated and erected so that rails are parallel to each other and to the top of fascia and posts are truly vertical.
- Dimensions for tubing are outside dimensions.
- Shop or field welding may be used in fabrication and erection of the railing.
- All welds on railing shall be ground smooth.

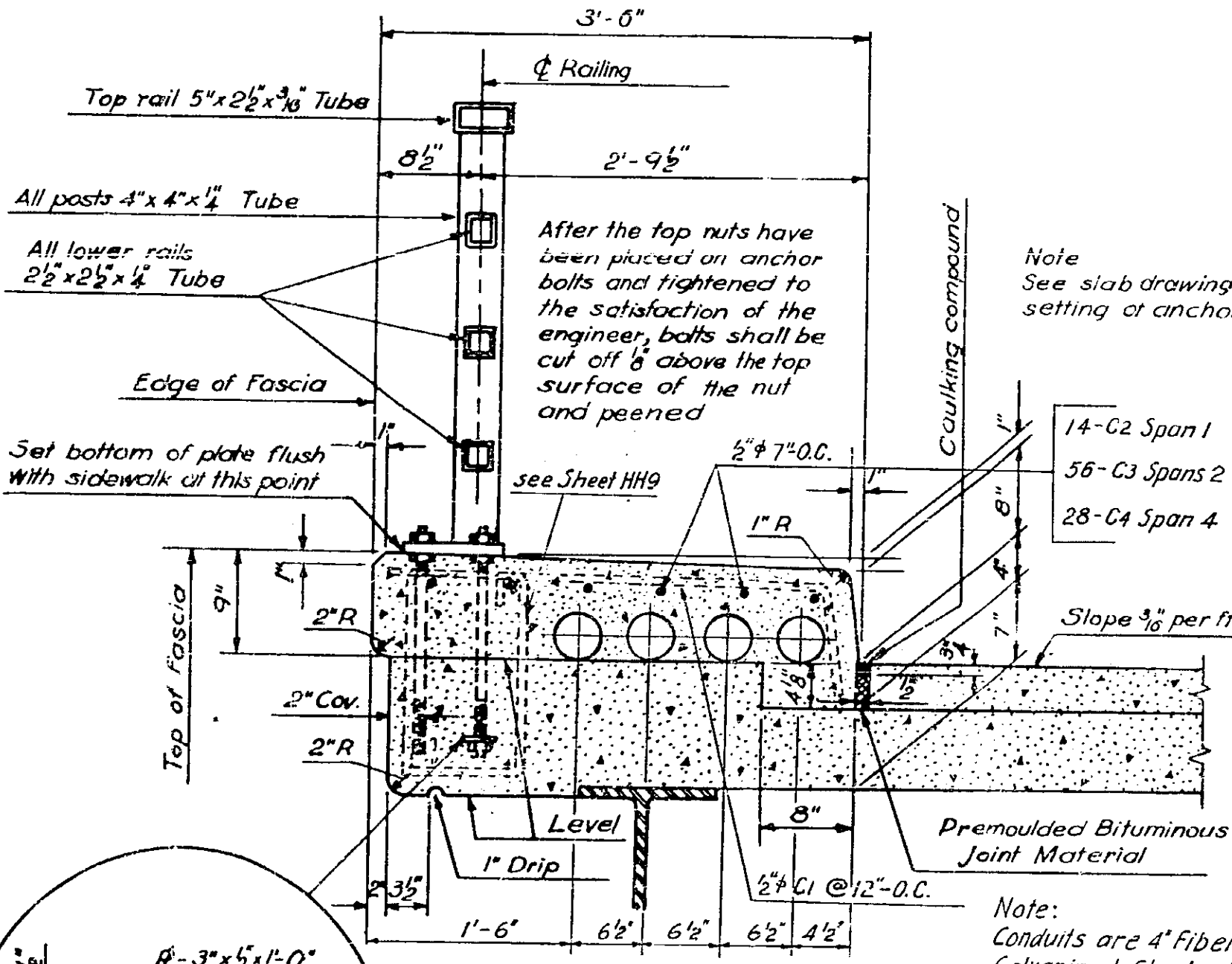


Construction Procedure

- Set railing anchor bolts by means of template and pour slab.
- Make two (2) applications of water proofing oil treatment M 41-W to the top of slab.
- The top of slab shall be continuously and thoroughly wetted down, as directed by the engineer, for at least one hour, immediately prior to the placing of the roadway pavement.
- Pour roadway pavement.
- Place lower nuts on upper end of anchor bolts.
- Place railing on lower nuts and adjust to bring railing to line and grade.
- Place upper nuts on anchor bolts; tighten down on plates.
- Pour sidewalk to proper line and grade.

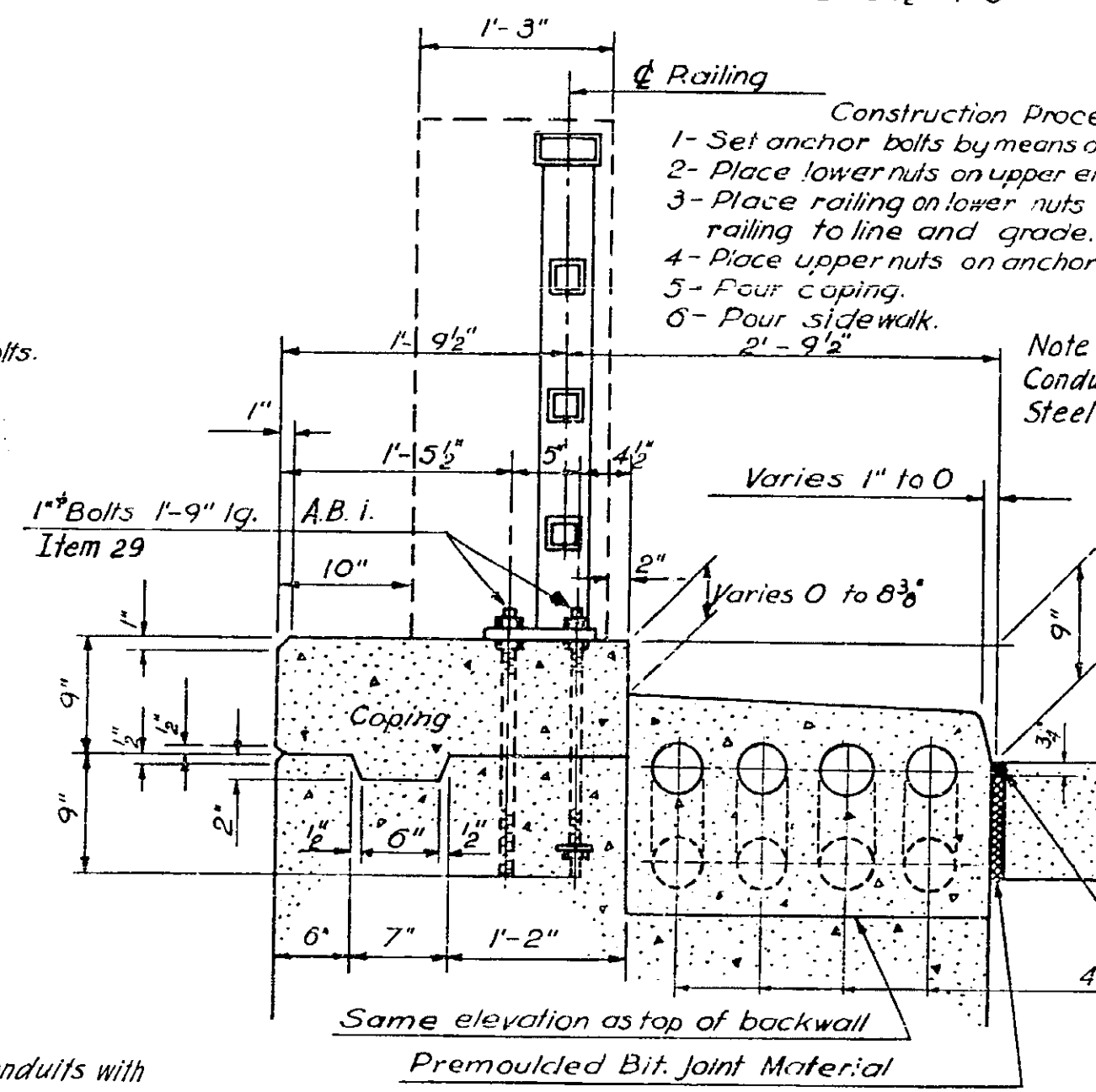
TUBULAR RAILING DETAILS

Scale - As Shown



SIDEWALK AND FASCIA

Note: Conduits are 4" Fiber Conduits with Galvanized Steel where specified



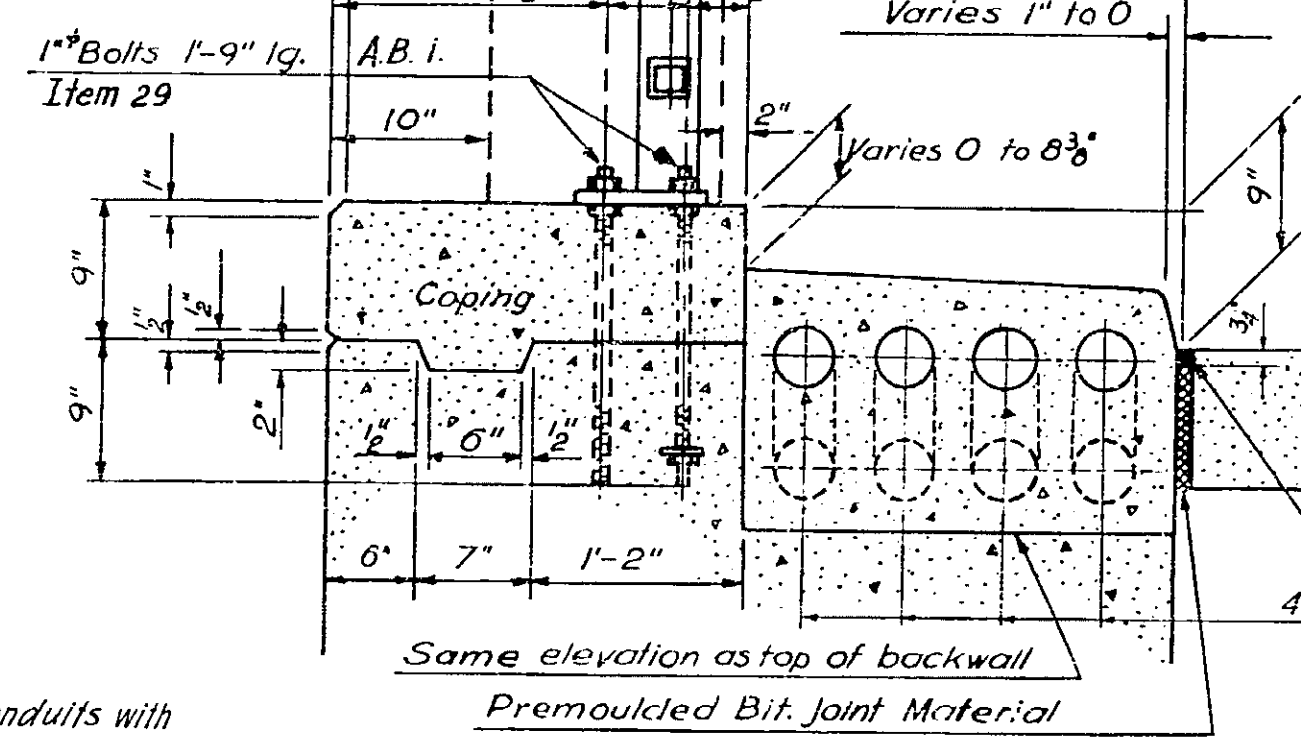
RAILING POST BASE PLATE

Scale 1/2" = 1'-0"

Construction Procedure

- Set anchor bolts by means of template and pour wall.
- Place lower nuts on upper end of anchor bolts.
- Place railing on lower nuts and adjust to bring railing to line and grade.
- Place upper nuts on anchor bolts and tighten down on plates.
- Pour sidewalk.
- Pour sidewalk.

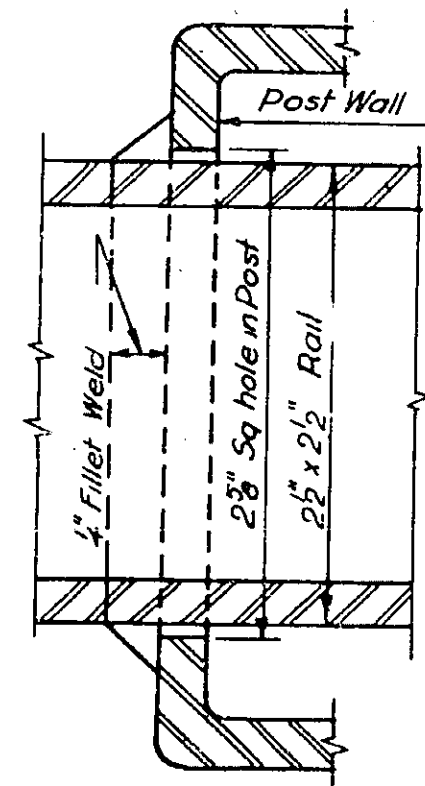
Note: Conduits are 4" Galvanized Steel Conduits



SECTION THRU SUBSTRUCTURE

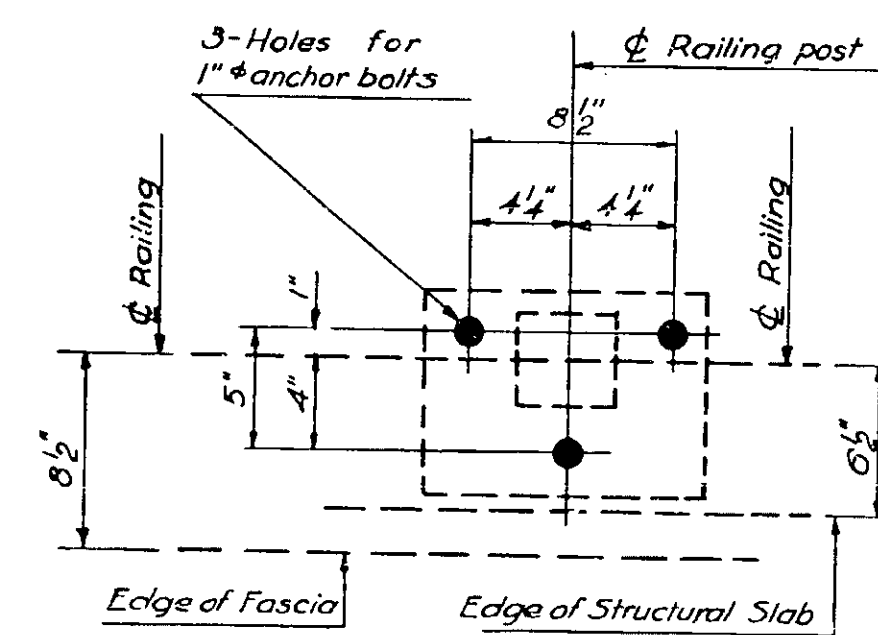
SIDEWALK AND FASCIA DETAILS

Scale 1" = 1'-0"



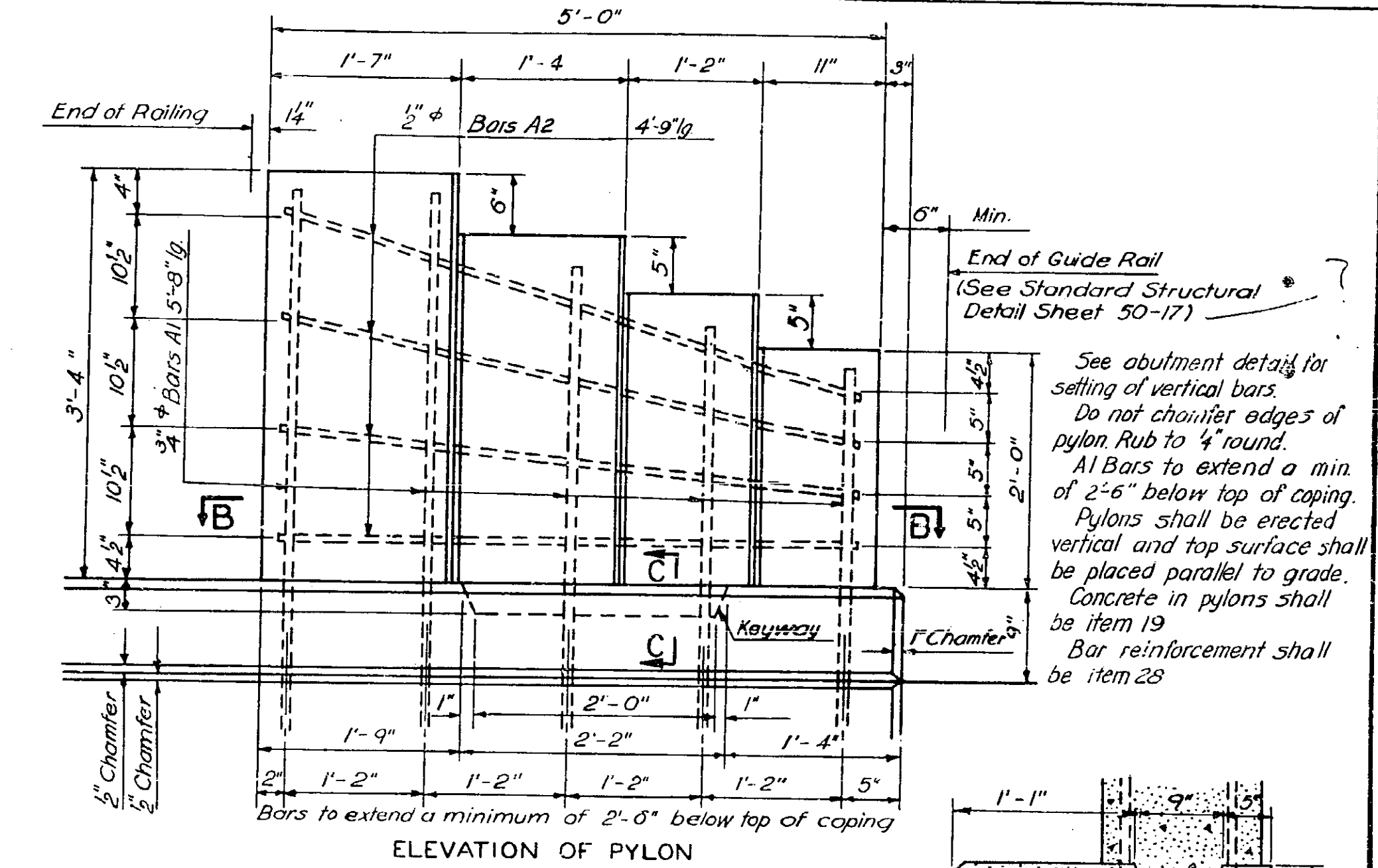
SECTION A-A

Scale - Full Size



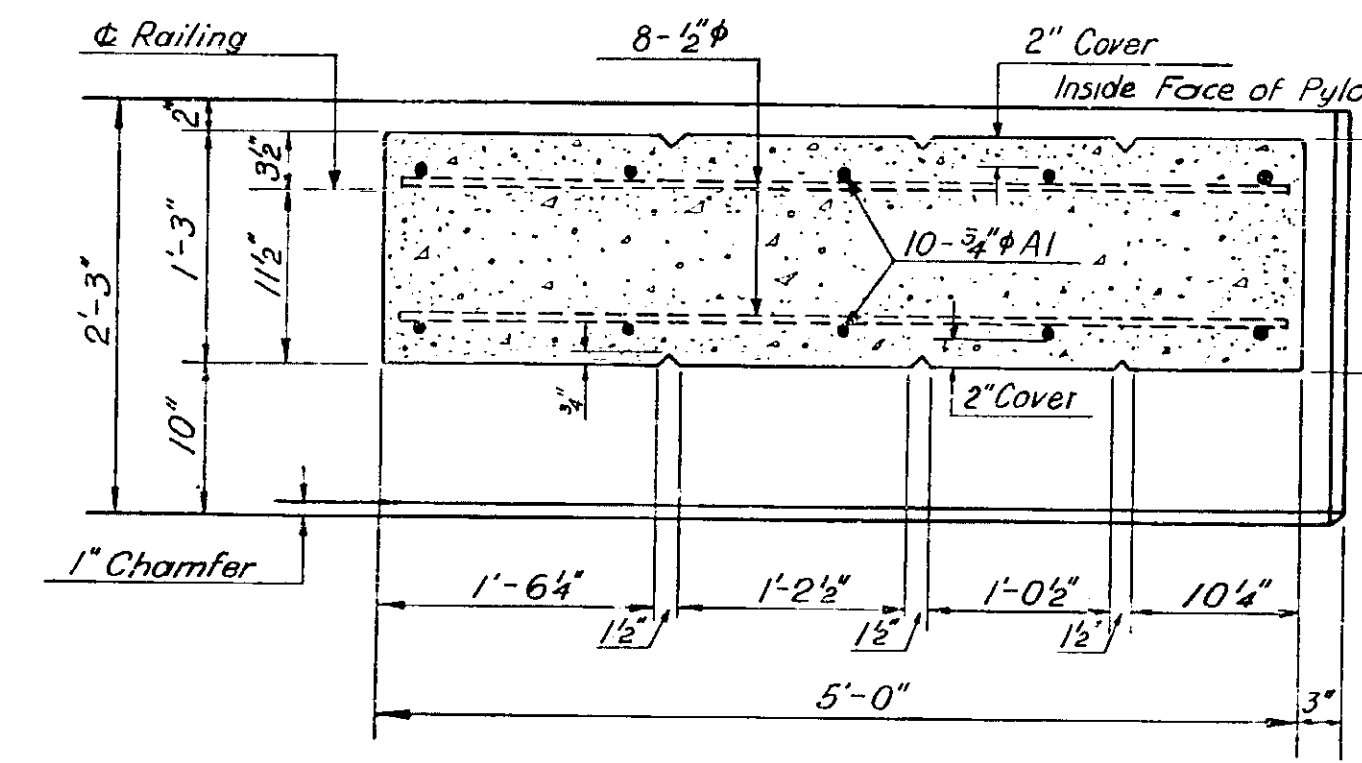
TEMPLATE FOR SETTING RAILING POST ANCHOR BOLTS

Scale 1/2" = 1'-0"



ELEVATION OF PYLON

See abutment details for setting of vertical bars. Do not chamfer edges of pylon rub to 4" round. All bars to extend a min. of 2'-6" below top of coping. Pylons shall be erected vertical and top surface shall be placed parallel to grade. Concrete in pylons shall be item 19. Bar reinforcement shall be item 28.



SECTION B-B

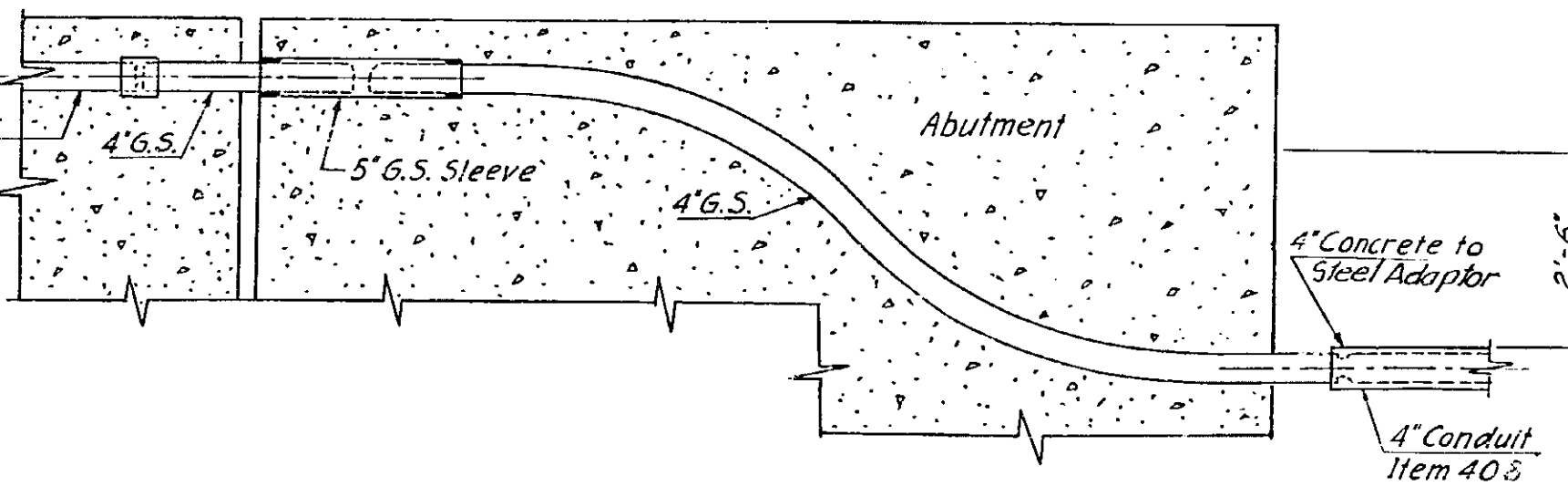
PYLON DETAILS

Scale 1" = 1'-0"

REFERENCE DRAWINGS

- Abutments, Masonry & Reinforcement
- Railing & Pylon Location
- Standard Bridge Details
- Bar Schedule

HH5
HH10
HH12
HH13



No Scale

CATSKILL THRUWAY UNDER PINE HILL ROAD-TOWN ROAD

STA. 1003+90 ORANGE COUNTY

STANDARD BRIDGE DETAILS

SCALE - AS SHOWN

Prepared and Recommended by: J. Rubel
E.H. HARRLOW, VICE PRES. N.Y. STATE P.E. LIC. NO. 20747
FREDERIC R. HARRIS, INC., CONSULTING ENGINEERS
27 WILLIAM ST., NEW YORK 5, N.Y.

In Charge of: R. Harris
Made by: J. Rubel
Checked by: F. Rothermel
Traced by: K. Furkalowsky
Tracing Chk by: J. Schorlemeyer

DWG. NO. 480-3-10E-411

HH11

ASBESTOS CERTIFICATION

WE ARE YOUR DOL



**Department
of Labor**

DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

Foit-Albert Associates, Architecture, Engineering And Surveying, P.C.
295 Main Street, Suite 200, Buffalo, NY, 14213

License Number: 37054

License Class: RESTRICTED

Date of Issue: 11/20/2023

Expiration Date: 11/30/2024

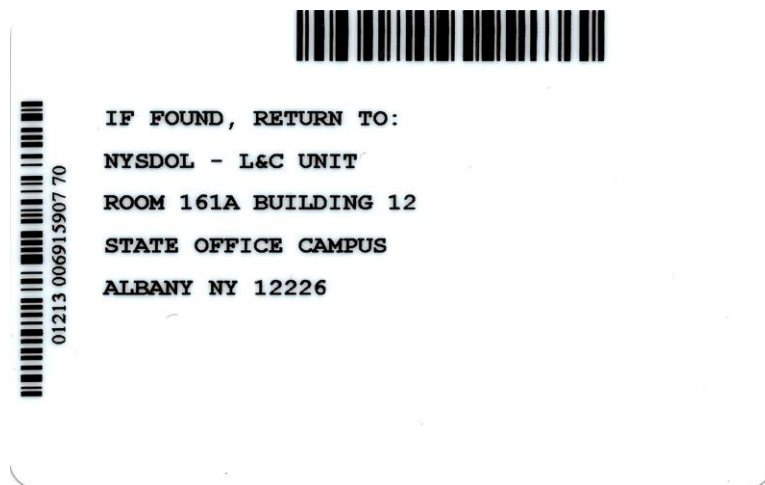
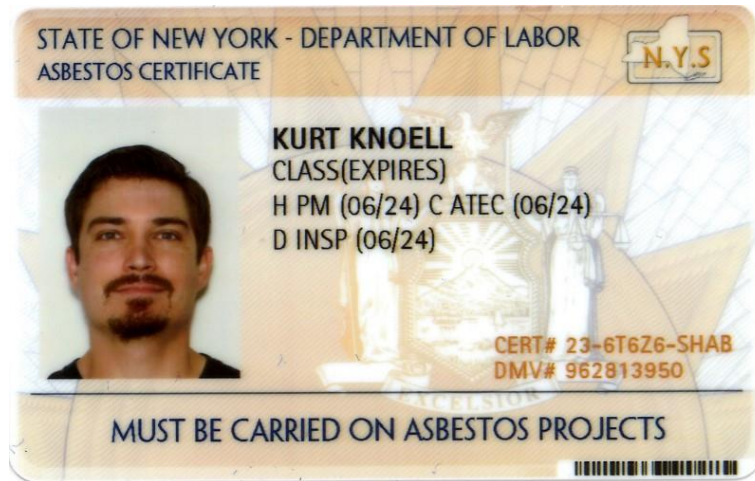
Duly Authorized Representative: Mark Swacha

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ANDREW MACIEJEWSKI
PARADIGM ENVIRONMENTAL SERVICES
1430-B MILLERSPORT HIGHWAY
WILLIAMSVILLE, NY 14221

NY Lab Id No: 11955

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos	40 CFR 763 APX A No. III YAMATE, AGARWAL GIBB NIOSH 7402
Fibers	NIOSH 7400 A RULES

Serial No.: 69003

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NY Lab Id No: 11955

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 69002

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