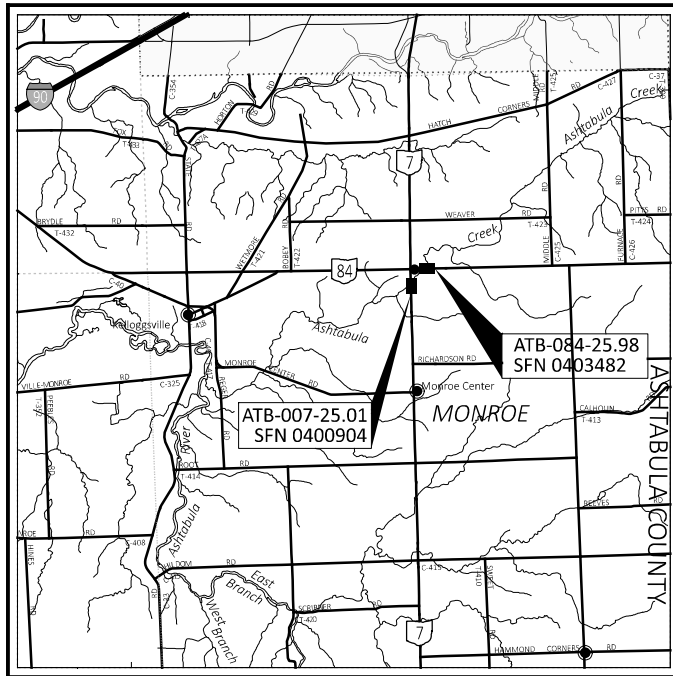


# STATE OF OHIO DEPARTMENT OF TRANSPORTATION ATB/TRU-SR7/VAR-18.62/VAR PART 1

MONROE TOWNSHIP  
ASHTABULA COUNTY

FOR PART 2, SEE ATB/TRU-SR7/SR5-18.62/30.50  
FOR PART 3, SEE ATB-193-20.14



**LOCATION MAP**

S.R. 07: LATITUDE: 41°51'40" LONGITUDE: -80°51'40"  
S.R. 84: LATITUDE: 41°51'45" LONGITUDE: -80°34'10"



PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	-----

**DESIGN DESIGNATION**

	S.R. 07	S.R. 84
CURRENT ADT (2027)	1800	950
DESIGN YEAR ADT (2047)	2300	1300
DESIGN HOURLY VOLUME (2047)	300	90
DIRECTIONAL DISTRIBUTION	53%	50%
TRUCKS (24 HOUR B&C)	4%	4%
DESIGN SPEED	60 MPH	60 MPH
LEGAL SPEED	55 MPH	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	04 MINOR ARTERIAL (RURAL)	05 MAJOR COLLECTOR (RURAL)
NHS PROJECT	NO	

**DESIGN EXCEPTIONS**

NONE

**ADA DESIGN WAIVERS**

NONE

**UNDERGROUND UTILITIES**  
Contact Two Working Days  
Before You Dig

**OHIO811.org**  
Before You Dig

OHIO811. 8-1-1. or 1-800-362-2764  
(Non members must be called directly)

PLAN PREPARED BY:  
CT CONSULTANTS  
18150 STERLING COURT  
MENTOR, OH 44060

**INDEX OF SHEETS:**

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2
TYPICAL SECTIONS	P.3-P.7
GENERAL NOTES	P.8-P.9
MAINTENANCE OF TRAFFIC	P.10-P.13
GENERAL SUMMARY	P.14-P.15
SUBSUMMARIES	P.16-P.17
PLAN & PROFILE - S.R. 07	P.18-P.19
PLAN & PROFILE - S.R. 84	P.20
CROSS SECTIONS - S.R. 07	P.21-P.26
CROSS SECTIONS - S.R. 84	P.27-P.33
MISCELLANEOUS PROFILES	P.34
TRAFFIC CONTROL	P.35-P.36
STRUCTURES (OVER 20' SPAN) SFN 0400904	P.37-P.52
STRUCTURES (OVER 20' SPAN) SFN 0403482	P.53-P.70

**FEDERAL PROJECT NUMBER**

E220(484)

**RAILROAD INVOLVEMENT**

N/A

**PROJECT DESCRIPTION**

SUPERSTRUCTURE REPLACEMENTS AND ROADWAY APPROACH WORK ON SFN 0400904 ATB-07-25.01 AND SFN 0403482 ATB-84-25.98, BOTH OVER ASHTABULA CREEK.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	ATB 07 - 0.33 ACRES
	ATB 84 - 0.31 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A (NOI NOT REQUIRED)

**2023 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEETS 12-13.

**DISTRICT DEPUTY DIRECTOR**

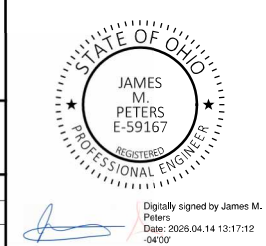
*Arthur G. Noiro Jr.*  
Arthur G. Noiro Jr., P.E.  
04

**DIRECTOR, DEPARTMENT OF TRANSPORTATION**

*Pamela Boratyn*  
Pamela Boratyn

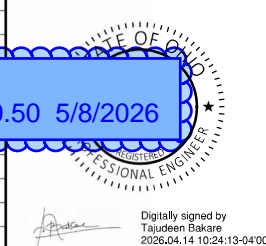
**ENGINEER'S SEAL**

ROADWAY



**ENGINEER'S SEAL**

BRIDGE



7/18/25

WATERWAY PERMIT  
ATB/TRU-SR7/SR5-18.62/30.50 5/8/2026

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/19/24	DM-1.1	1/17/25	MT-97.10	7/18/25	AS-1-15	1/20/23	800-2023 1/16/26 ASBESTOS-ATB-7-25.01 12/09/22	
BP-3.2	1/18/19	DM-1.2	1/17/25	MT-101.60	1/17/25	AS-2-15	7/21/23	832 7/1/23 ASBESTOS-ATB-84-25.98 12/09/22	
BP-4.1	7/19/13	DM-3.1	1/18/13	MT-101.90	7/17/20			872 1/17/25	
BP-5.1	7/18/25	DM-4.1	7/17/20	MT-105.10	1/17/20	CS-1-24	7/19/24	874 4/17/20 ASBESTOS-ATB-7-18.61 6/30/23	
		DM-4.3	1/15/16					875 1/17/25 ASBESTOS-ATB-7-20.12 6/30/23	
MGS-1.1	7/16/21	DM-4.4	1/15/16	TC-41.20	10/18/13	DS-1-92	7/15/22	940 4/17/15 ASBESTOS-TRU-5-30.69 6/30/23	
MGS-2.1	7/18/25			TC-42.10	10/18/13			ASBESTOS-ATB-193-20.14 4/04/22	
MGS-2.3	7/18/25	HW-1.1	7/18/25	TC-42.20	10/18/13	PSBD-1-25	7/18/25		
MGS-3.3	7/18/25	HW-2.1	7/15/22	TC-52.10	10/18/13	PSBD-2-07	7/20/18		
MGS-4.2	7/18/25	HW-2.2	7/20/18	TC-52.20	1/15/21				
MGS-4.3	7/18/25			TC-61.30	7/19/24	SIKD-1-21	1/19/24		
MGS-5.3	7/15/16	MH-3	7/19/24	TC-64.10	7/21/23				
MGS-6.1	1/19/18					TST-2-21	1/17/25		

ATB-07/84-25.01/25.98 PART 1

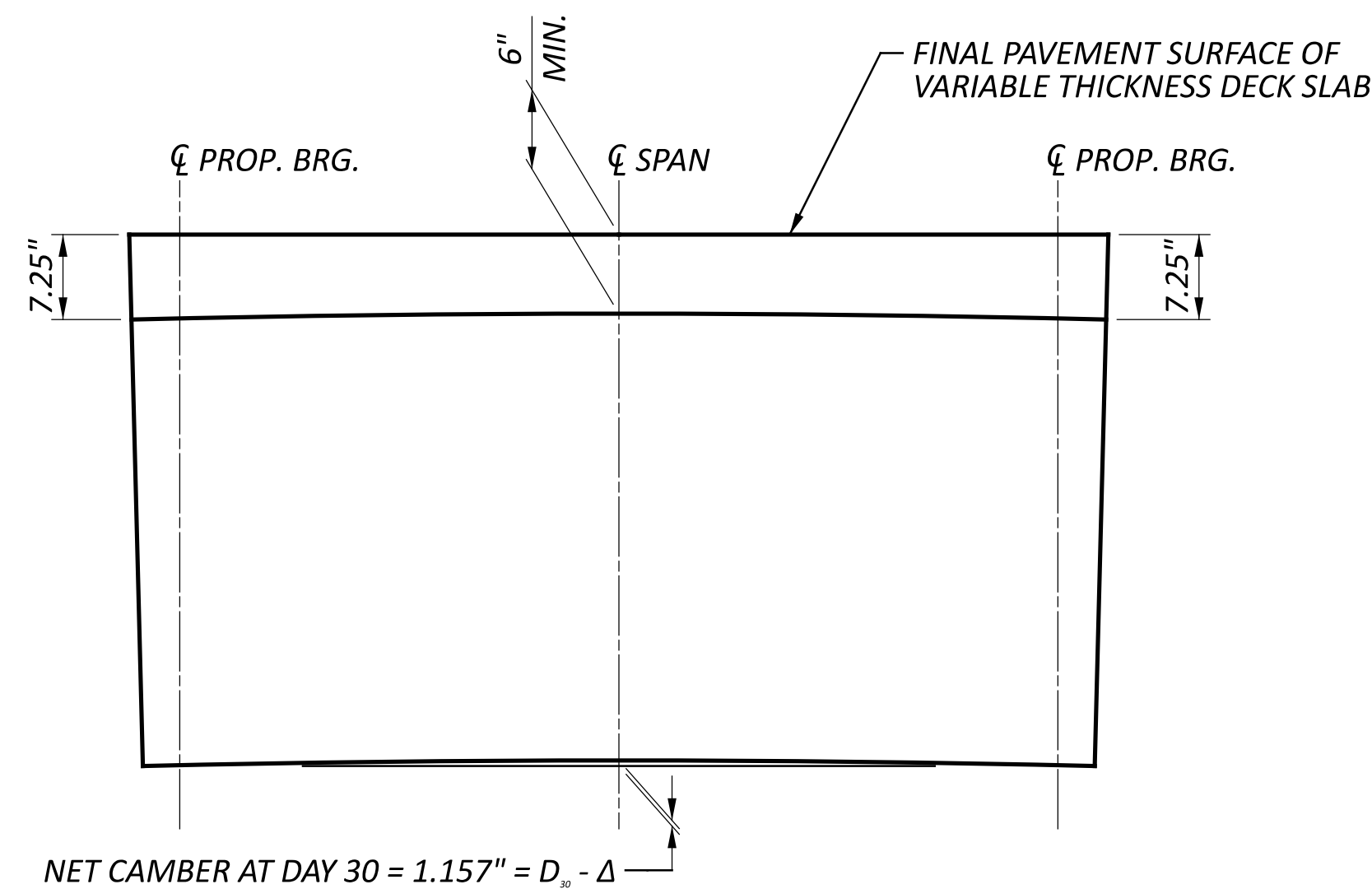
MODEL: Sheet\_PAPER: 34x22 (in.) DATE: 2/25/2026 TIME: 12:33:25 PM USER: Klein H:\2022\220169\115013\401-Engineering\_Consultants\Roadway\Sheets\115013\_GTO01.dgn

TITLE SHEET

DESIGN AGENCY



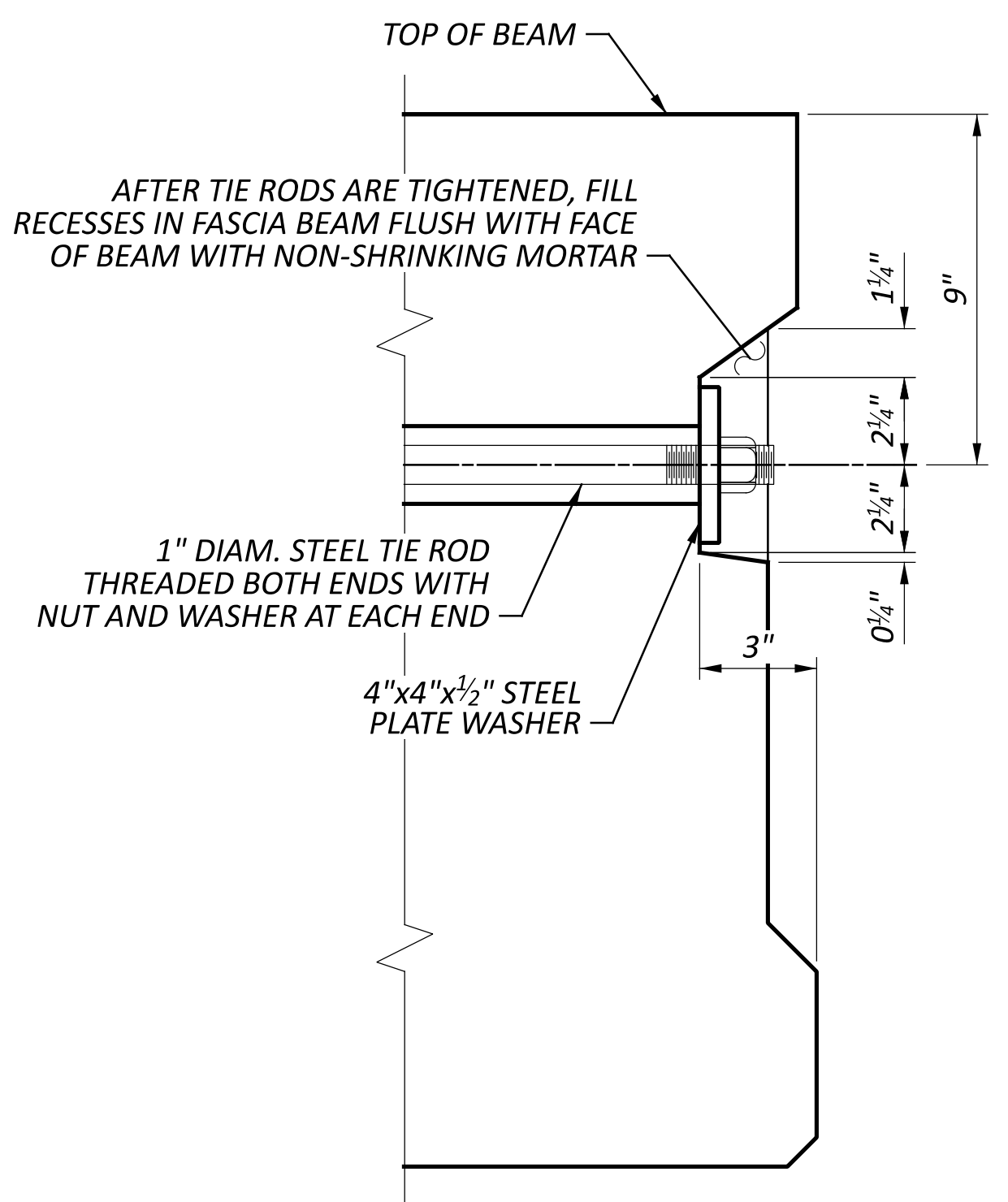
DESIGNER	TMK
REVIEWER	JMP 12/20/24
PROJECT ID	115013
SHEET	P.1
TOTAL	70



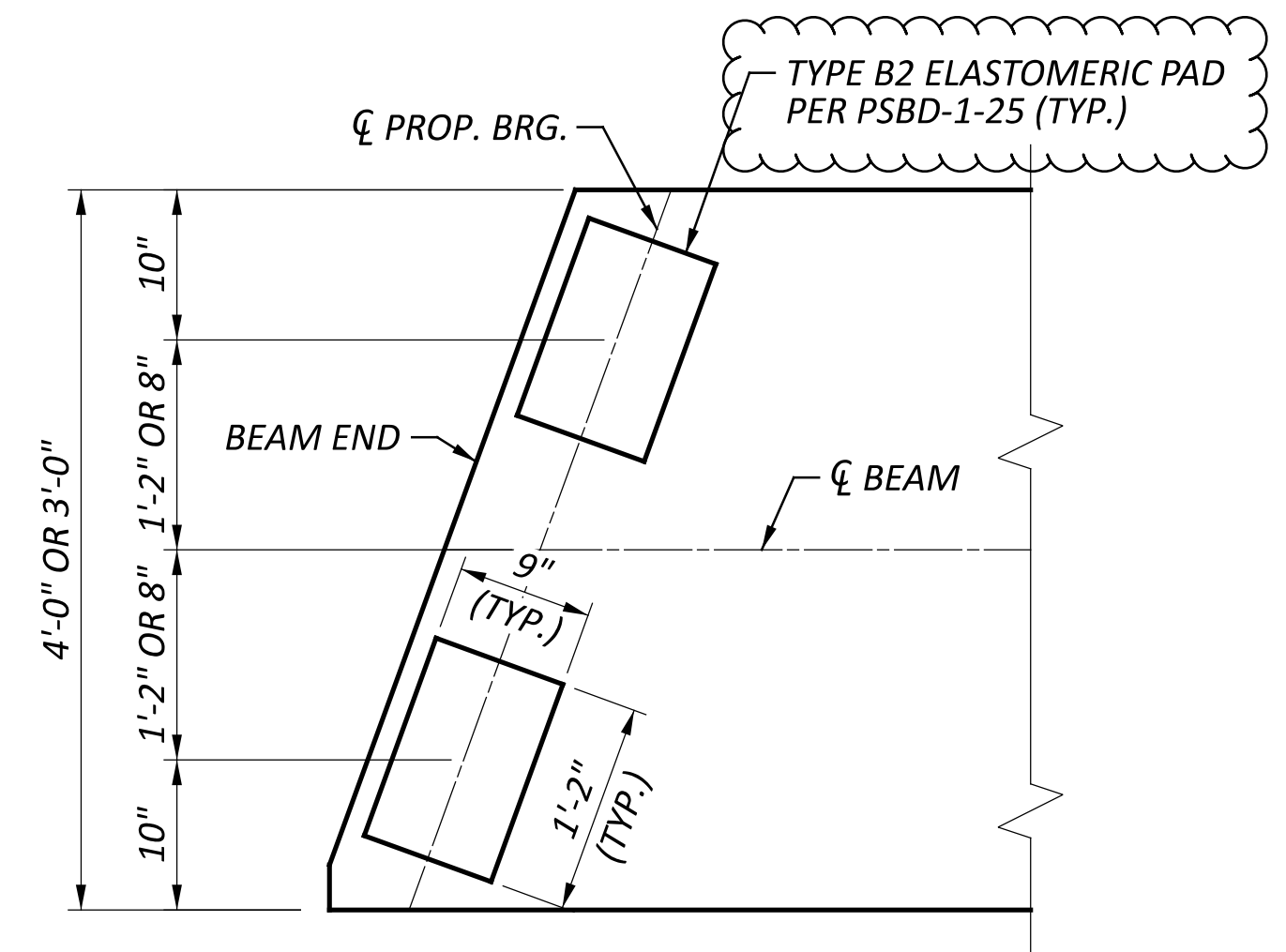
**DECK TOPPING THICKNESS DIAGRAM**

**CAMBER NOTES:**

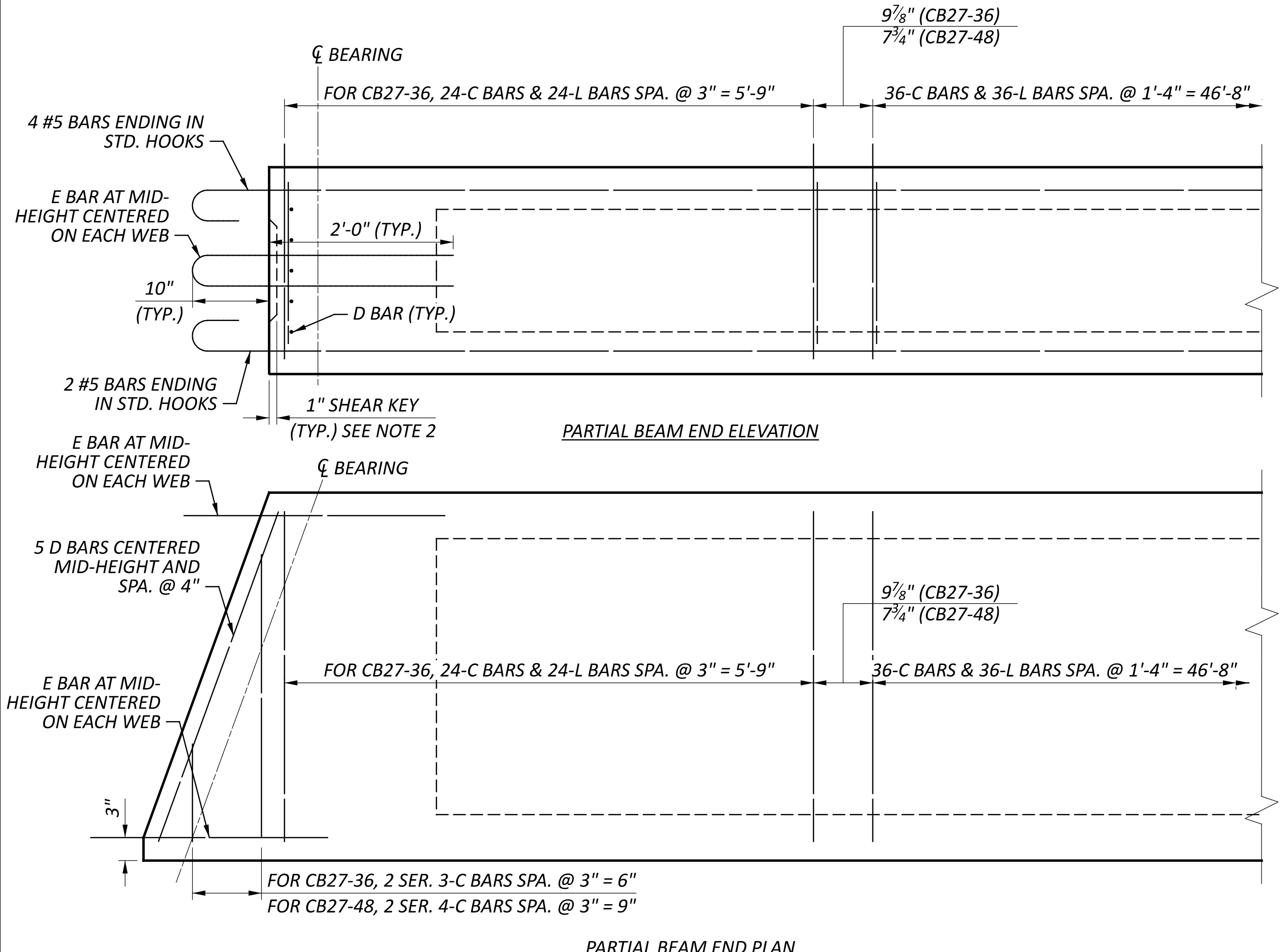
THE ESTIMATED CAMBER AT DAY 0 (D0) IS 0.934 INCHES.  
 THE ESTIMATED CAMBER AT DAY 30 (D30) IS 1.662 INCHES.  
 DEFLECTION DUE TO REMAINING DEAD LOAD (E.G. SLAB, RAILING, ETC) IS 0.505 INCHES.  
 THE BEAM SEAT ELEVATIONS ASSUME ESTIMATED CAMBER D30. THE CONTRACTOR SHALL ADJUST SEAT ELEVATIONS BASED UPON THE ACTUAL BEAM CAMBER AT THE TIME OF FABRICATION IF AVAILABLE. NO ADJUSTMENT SHALL BE MADE TO THE OVERLAY THICKNESS AT MIDSPAN.



**END DETAILS OF TRANSVERSE TIE ROD ANCHORAGE**



**BEARING PLAN**

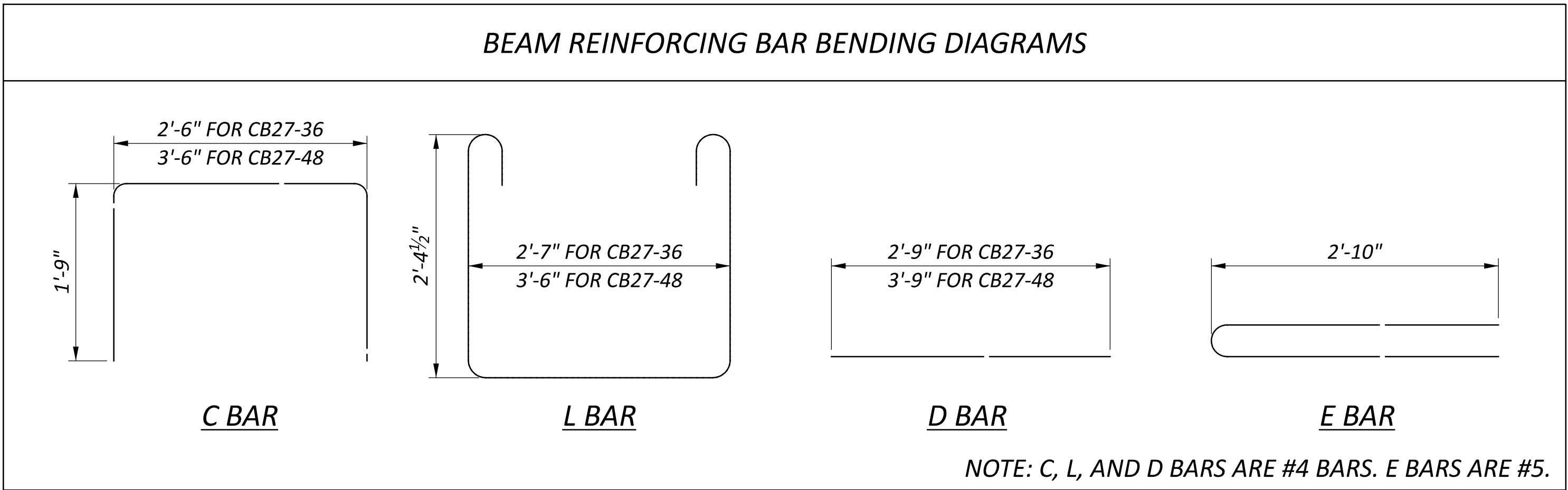


**PARTIAL BEAM END ELEVATION**

**PARTIAL BEAM END PLAN**

**NOTES:**

- FOR BEARING NOTES AND DETAILS, SEE SCD PSBD-1-25.
- THE WIDTH OF THE SHEAR KEY FOR CB27-36 BEAMS SHALL BE 26" WIDE, AND CENTERED ON ALL BEAMS. THE WIDTH OF THE SHEAR KEY FOR CB27-48 BEAMS SHALL BE 38" WIDE, AND CENTERED ON ALL BEAMS.
- ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED



NOTE: C, L, AND D BARS ARE #4 BARS. E BARS ARE #5.