ORIGINATION FORM -

Proposed Revisions to a Standard Plans Index (Please provide all information — Incomplete forms will be returned)

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Contact Information:		Standard Plans:		
Date: June 30, 2020		Index Number: 102-200		
Originator: Cheryl Hudson		Sheet Number (s): All		
Phone:		Index Title: Temporary ACROW 300 Series Bridge General		
Email:		Notes & Details	ı	
<u>Summary</u>	of the changes:			
Changed	Title to Include 300 Series			
•				
Lommen [*]	tary / Background:			
	tary / Background: new Index for the 700 Series ACROW bridges			
Adding (new Index for the 700 Series ACROW bridges	of person contacted)		
Adding I	new Index for the 700 Series ACROW bridges fected Offices / Documents: (Provide name	of person contacted)		
Adding of the Ad	new Index for the 700 Series ACROW bridges Fected Offices / Documents: (Provide name	of person contacted)		
Adding of the Affine Points of	new Index for the 700 Series ACROW bridges fected Offices / Documents: (Provide name of the Control of the Standard Plans –	of person contacted)		
Other Aff Yes No	new Index for the 700 Series ACROW bridges Fected Offices / Documents: (Provide name of the Control of the Standard Plans —	of person contacted)		
Other Aff Yes No	new Index for the 700 Series ACROW bridges Fected Offices / Documents: (Provide name of the Standard Plans — FDOT Design Manual —	of person contacted)		
Other Aff Yes No Compared to the compared to	new Index for the 700 Series ACROW bridges Fected Offices / Documents: (Provide name of the Standard Plans — FDOT Design Manual — Basis of Estimates Manual —	of person contacted)		
Adding of the Affine Points of	fected Offices / Documents: (Provide name of Other Standard Plans — FDOT Design Manual — Basis of Estimates Manual — Standard Specifications —	of person contacted)		
Other Aff Yes No Compared to the compared to	fected Offices / Documents: (Provide name of Other Standard Plans — FDOT Design Manual — Basis of Estimates Manual — Standard Specifications — Approved Product List —	of person contacted)		
Adding of the Affine Property of the Affine P	fected Offices / Documents: (Provide name of Other Standard Plans — FDOT Design Manual — Basis of Estimates Manual — Standard Specifications — Approved Product List — Construction —			
Adding of the Affine Points of	Fected Offices / Documents: (Provide name of Other Standard Plans — FDOT Design Manual — Basis of Estimates Manual — Standard Specifications — Approved Product List — Construction — Maintenance —	of person contacted) Implementation: Design Bulletin (Interim)		
Other Aff Yes No Yes V V Originati (Email or h Yes N/A	fected Offices / Documents: (Provide name of Other Standard Plans — FDOT Design Manual — Basis of Estimates Manual — Standard Specifications — Approved Product List — Construction — Maintenance — ion Package Includes: and deliver package to Rick Jenkins)	<pre>Implementation:</pre>		
Adding of Adding	fected Offices / Documents: (Provide name of Other Standard Plans — FDOT Design Manual — Basis of Estimates Manual — Standard Specifications — Approved Product List — Construction — Maintenance — ion Package Includes: hand deliver package to Rick Jenkins) Redline Mark-ups	Implementation: ☐ Design Bulletin (Interim) ☐ DCE Memo ☐ Program Mgmt. Bulletin		
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Other Aff Yes No Yes V V Originati (Email or h Yes N/A	fected Offices / Documents: (Provide name of Other Standard Plans — FDOT Design Manual — Basis of Estimates Manual — Standard Specifications — Approved Product List — Construction — Maintenance — ion Package Includes: hand deliver package to Rick Jenkins) Redline Mark-ups	Implementation: ☐ Design Bulletin (Interim) ☐ DCE Memo ☐ Program Mgmt. Bulletin	ease)	

Work this Index with Index 102-210, 102-220, 102-230 and 102-240.

STRUCTURAL STEEL:

Steel Plates and Rolled Sections shall be ASTM A709 Grade 36. Pipe piles shall be ASTM A252 Grade 2, Fy = 35 ksi.

BOLTS, LAG SCREWS AND THREADED BOLT STOCK:

Furnish high strength bolts in accordance with ASTM F3125 Grade A325 Type 1. Furnish Threaded Stock in accordance with ASTM A36. Furnish Lag Screws in accordance with ASTM A307. Furnish steel washers and nuts compatible with Bolts, Threaded Stock and Lag Screws.

TIMBER AND LAGGING:

Timber and Lagging shall be No. 1 Southern Yellow Pine.

BACKWALL BENT PILES:

Timber Piles:

10' Minimum Embedment into compacted backfill or into soil having a blow count greater than 6 (N>6). Ultimate Capacity greater than 18 tons.

Splices are not allowed on any timber piles.

H-Piles:

12' Minimum Embedment into compacted backfill or into soil having a blow count greater than 6 (N>6).

Ultimate Capacity greater than 18 tons.

Shims admissible between backwall pile and cap. Test piles are not required for backwall piles.

EXPANSION BEARINGS:

Inspect the PTFE (Teflon) layer and stainless steel plate prior to installation. Do not use bearings that have a severely damaged or unbonded PTFE layer. Clean PTFE of all grit and grime prior to installation. Clean Stainless steel plate of all grit and grime prior to installation and finish to a smooth buffed surface.

DISTRIBUTING BEAMS:

Longitudinal stops restraining the distributing beams may be lengthened or shortened to center the distributing beam bearing on the cap beam.

The longitudinal stops are to bear on the distributing beam end frame.

EXPANSION JOINT SETTINGS:

Install the expansion joint considering the total continuous bridge length, location of fixed bearings and ambient temperature at the time of installation, assume a 1" expansion joint opening at 70 degrees F.

STORAGE FACILITY:

Contact
FDOT Statewide Aluminum Shop
2590 Camp Rd.
Oviedo, FI.
407-278-2727

For shipping weights and dimensions of Temporary Bridge elements.

SHIPPING WEIGHTS AND DIMENSIONS:

Decking Sizes:

Type	Length	Width	Weight (lbs.)
Curb	5'	6'-9"	800
Curb	1 O'	6'-9"	1420
Curb	15'	6'-9"	2200
Curb	20'	6'-9"	2800
NonCurb	5'	5'-3''	650
NonCurb	10'	5'-3''	1000
NonCurb	15'	5'-3''	1600
NonCurb	20'	5'-3"	2100

Shipping weights and dimensions of other bridge components can be referenced in "Acrow Panel Bridging, Series 300, Technical Handbook".

TRAFFIC RAILING NOTES:

See Index 536-001 for component details, geometric layouts and associated notes not fully detailed herein.

CONCRETE: Concrete for Transition Blocks shall be Class II (Bridge Deck).

THRIE-BEAM PANEL: Steel Thrie-Beam Elements shall meet the requirements of AASHTO M180, Type II (Zinc coated).

BOLTS, NUTS AND WASHERS: Bolts, nuts and round washers shall be in accordance with AASHTO M180. Plate Washers shall be in accordance with ASTM A36 or ASTM A709 Grade 36. Do not drill Temporary Bridge components to attach Guardrail. Guardrail Bolts shall be placed between Truss members as shown in Index 102-240.

COATINGS: All Nuts, Bolts, Anchors, Washers and Backer Plates shall be hot-dip galvanized in accordance with the Specifications.

W00D BLOCKS: All wood blocks, including required wedge shaped blocks shall be Pressure Treated Lumber in accordance with Specifications Section 955. Bolt holes in blocks to be centered $(\pm 1/4")$.

PAYMENT:

Temporary Detour Bridge is to be paid for under Contract Unit Price for Special Detour. If a temporary bridge system other than that shown herein is used, the Contractor is responsible for renting or purchasing their own system. Payment for Temporary Guardrail work and Transition Block will be made under Pay Item Temporary Guardrail, LF.

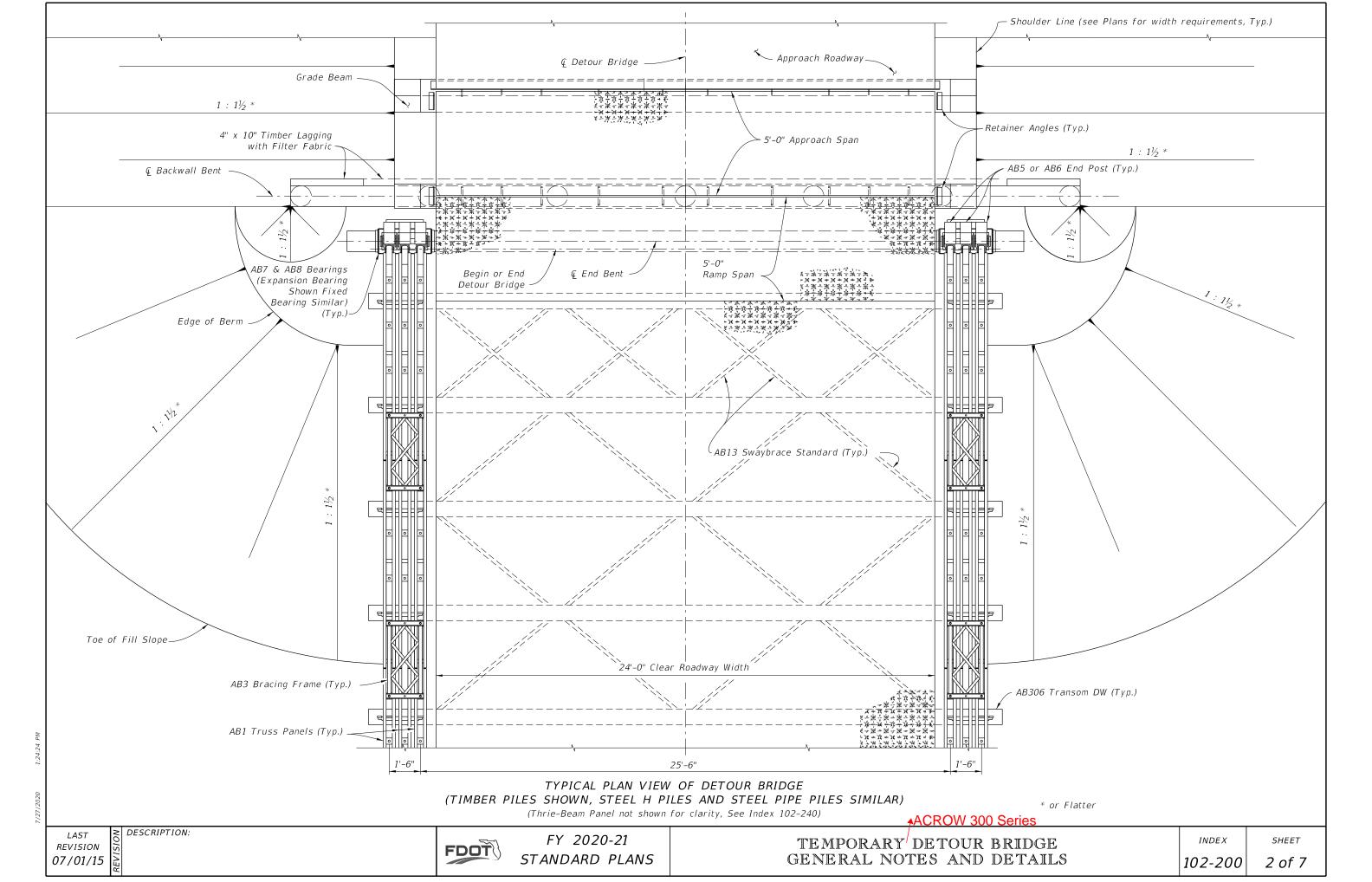
Furnish and install Bridge Thrie-Beam Panels and all associated hardware as shown. Payment will be made with the Temporary Detour Bridge under the Pay Item Special Detour, LS. Turn over Bridge Thrie-Beam Panels and all associated hardware to the Department with the Detour Bridge components per Specifications Section 102-6.

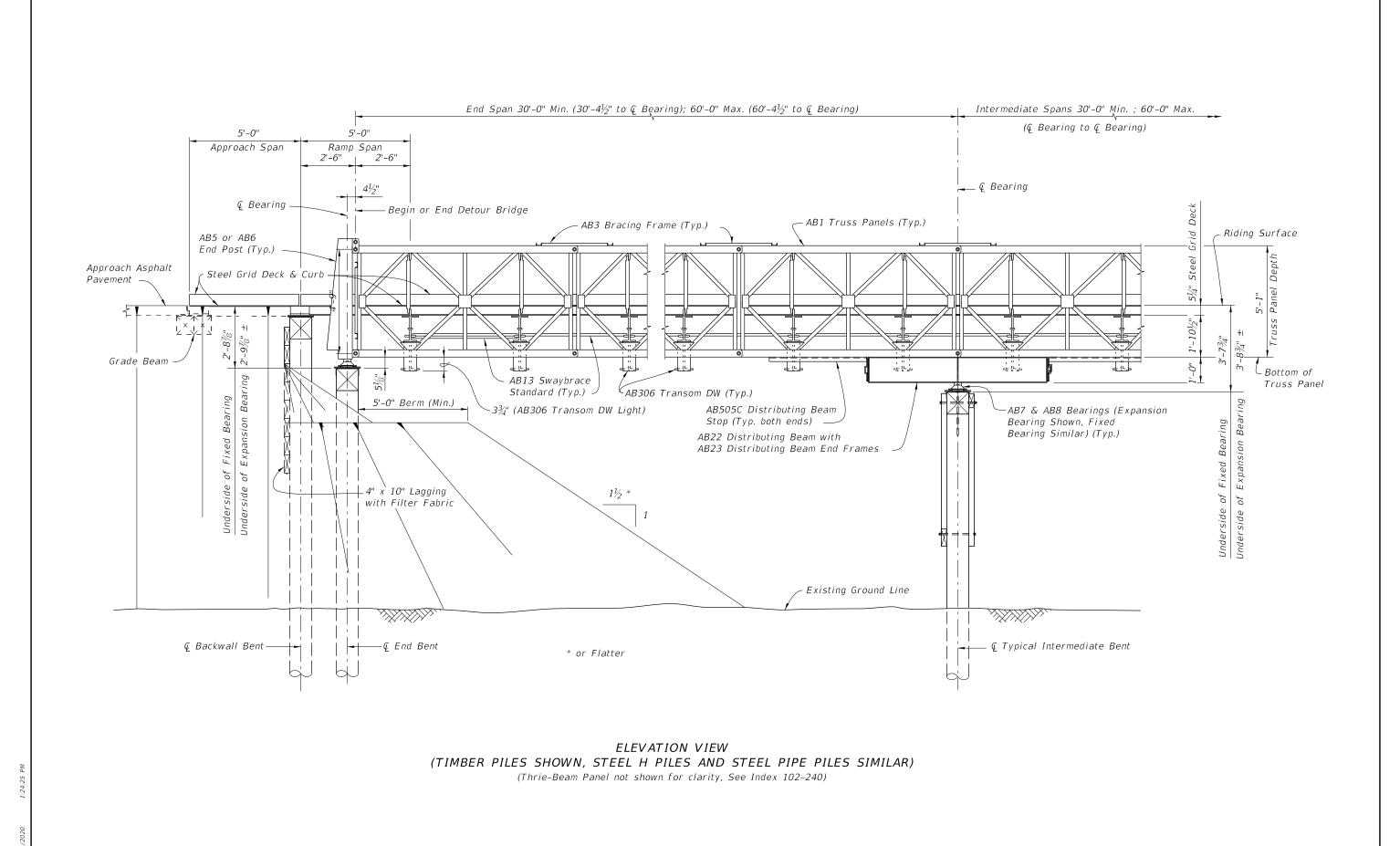
LAST REVISION 11/01/18

FDOT

FY 2020-21 STANDARD PLANS **▲**ACROW 300 Series

102-200 1 of 7





REVISION 07/01/15

DESCRIPTION:

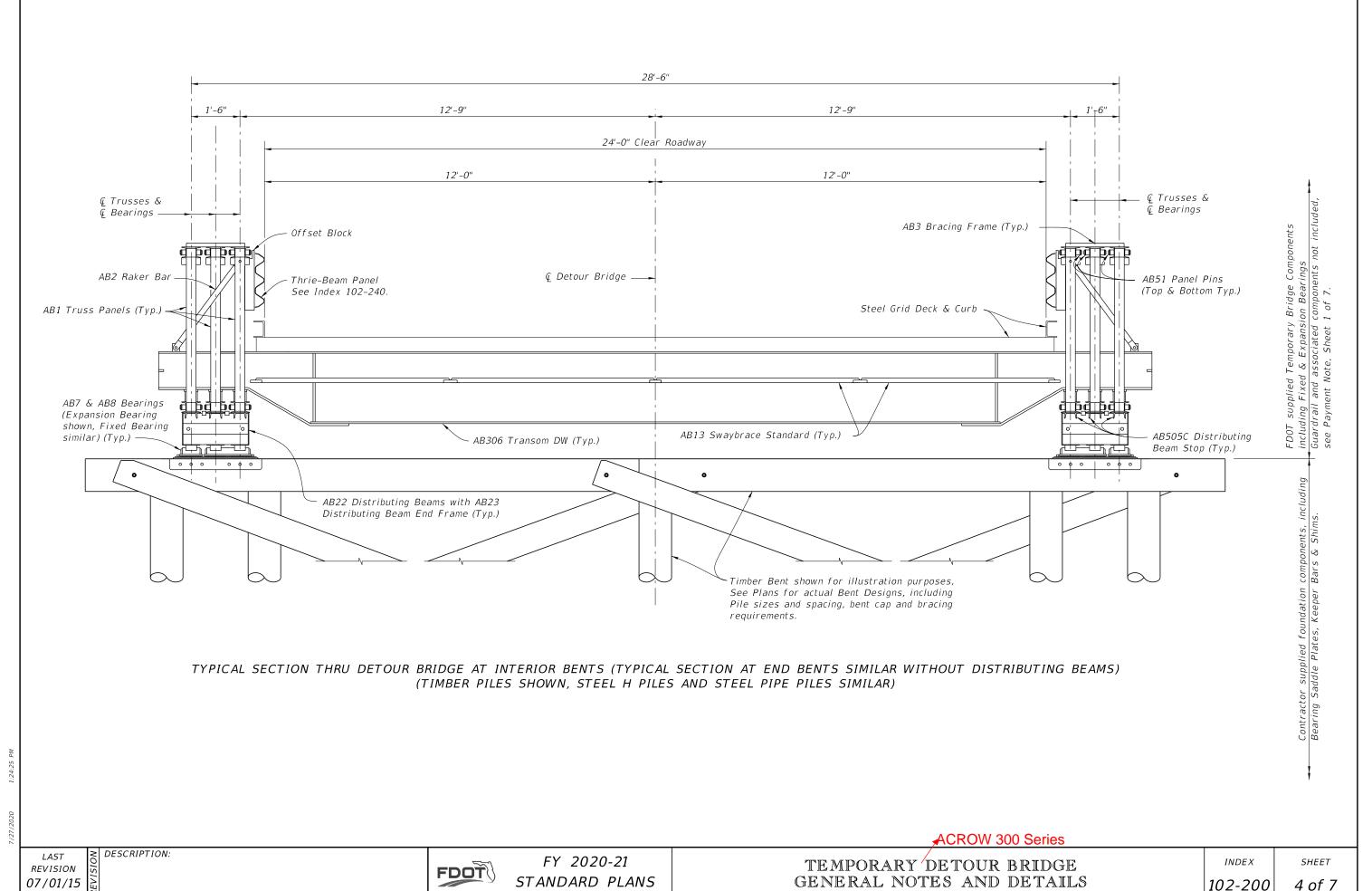
FDOT

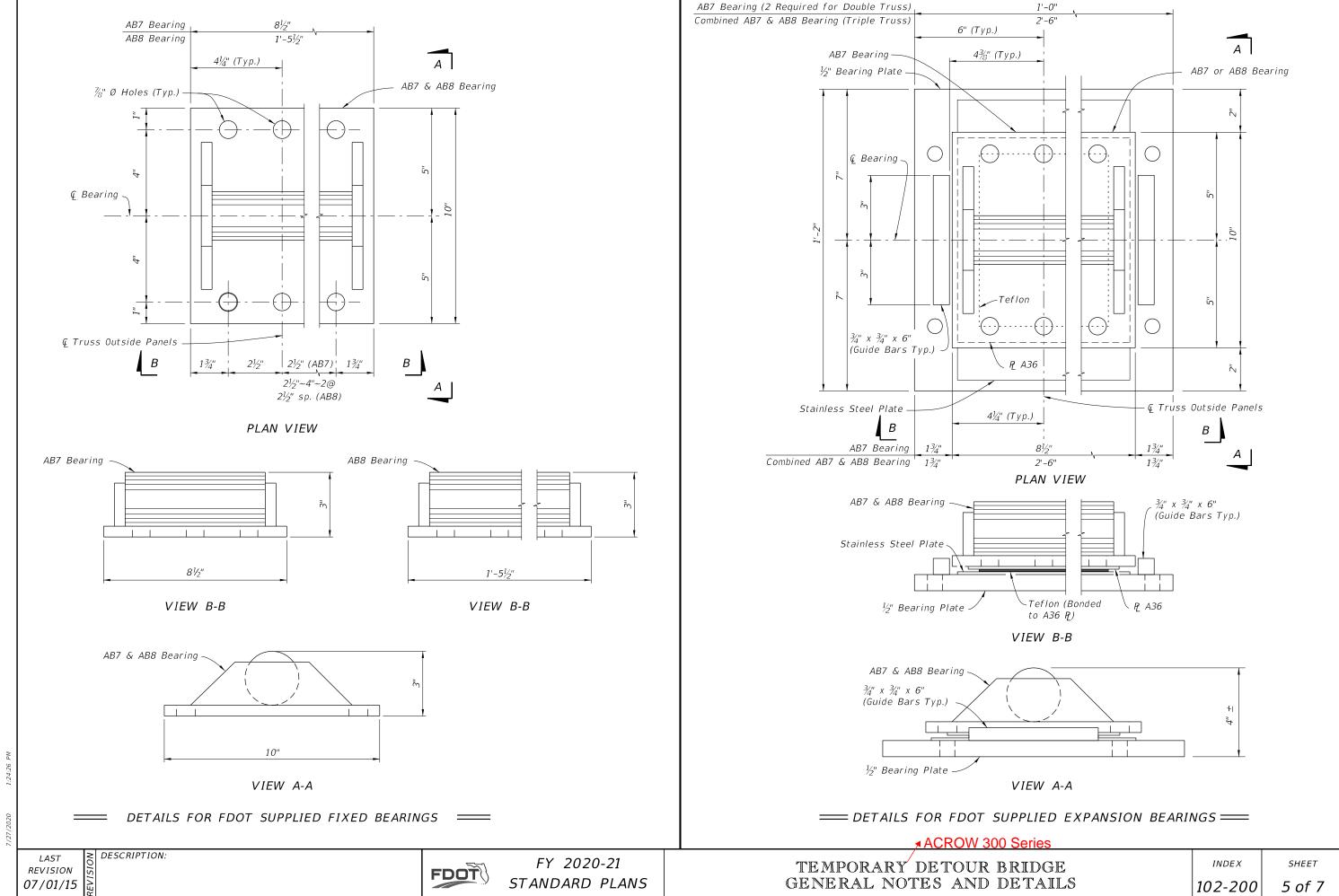
FY 2020-21 STANDARD PLANS

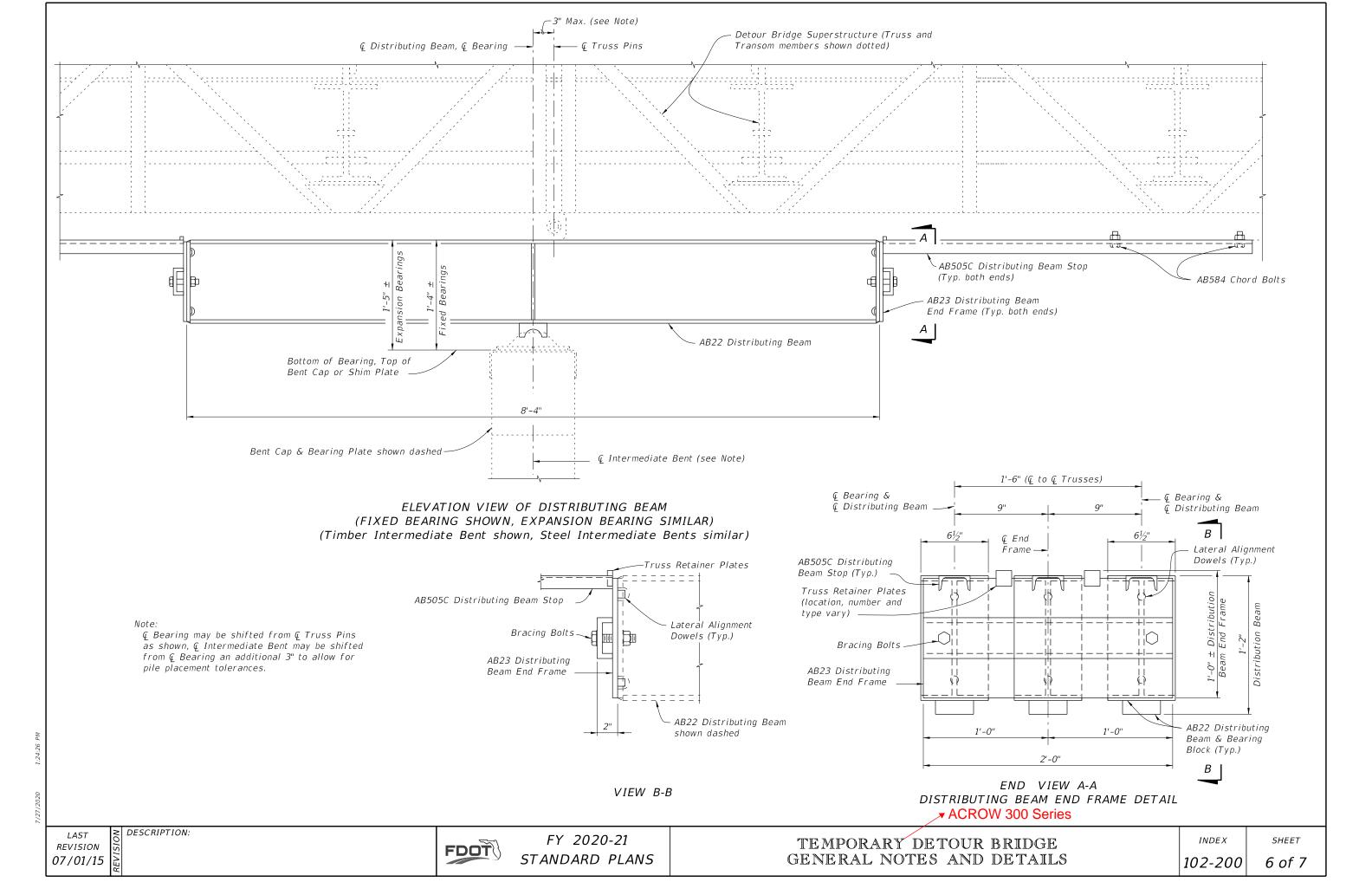
ACROW 300 Series

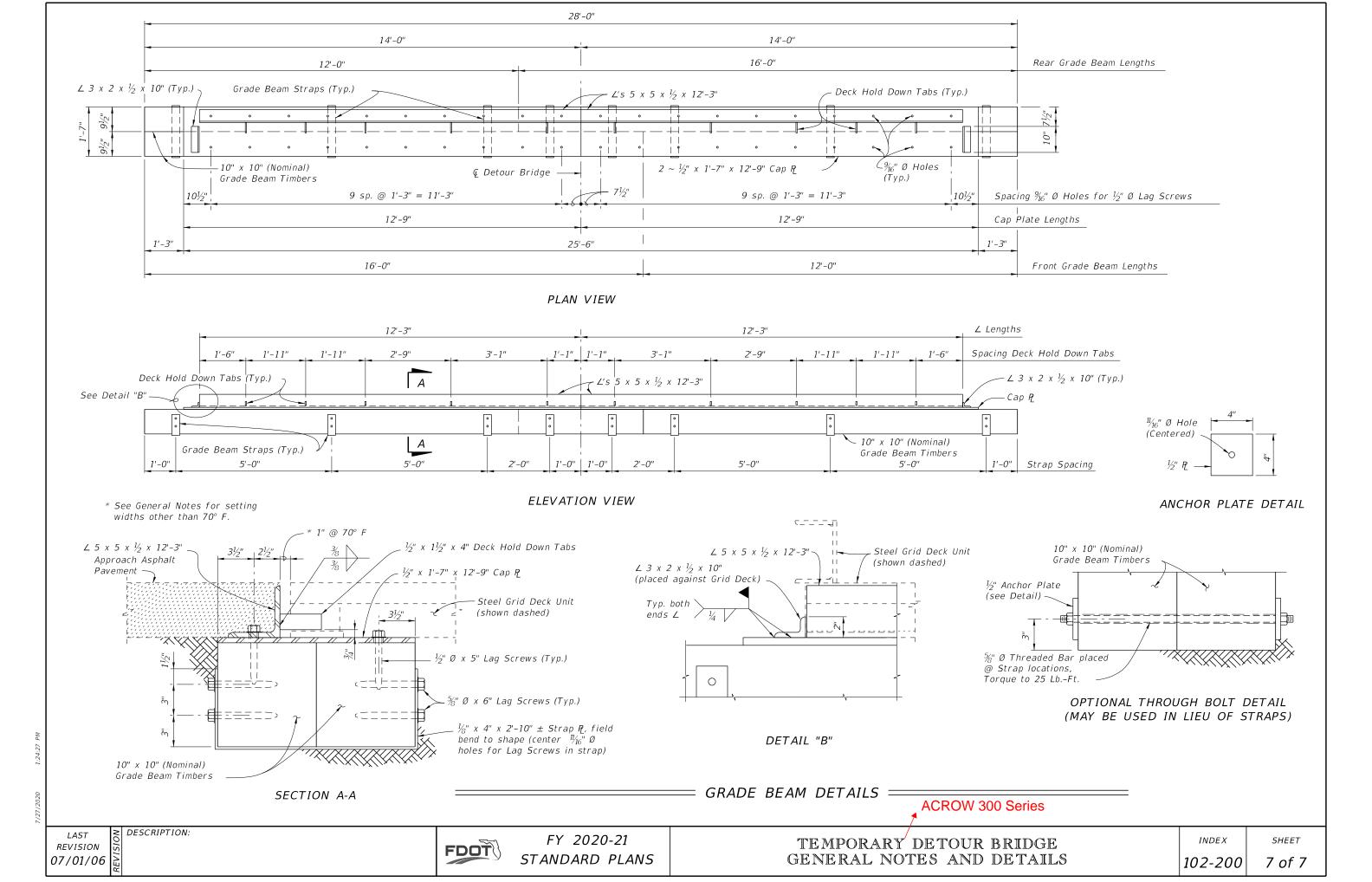
INDEX 102-200

SHEET









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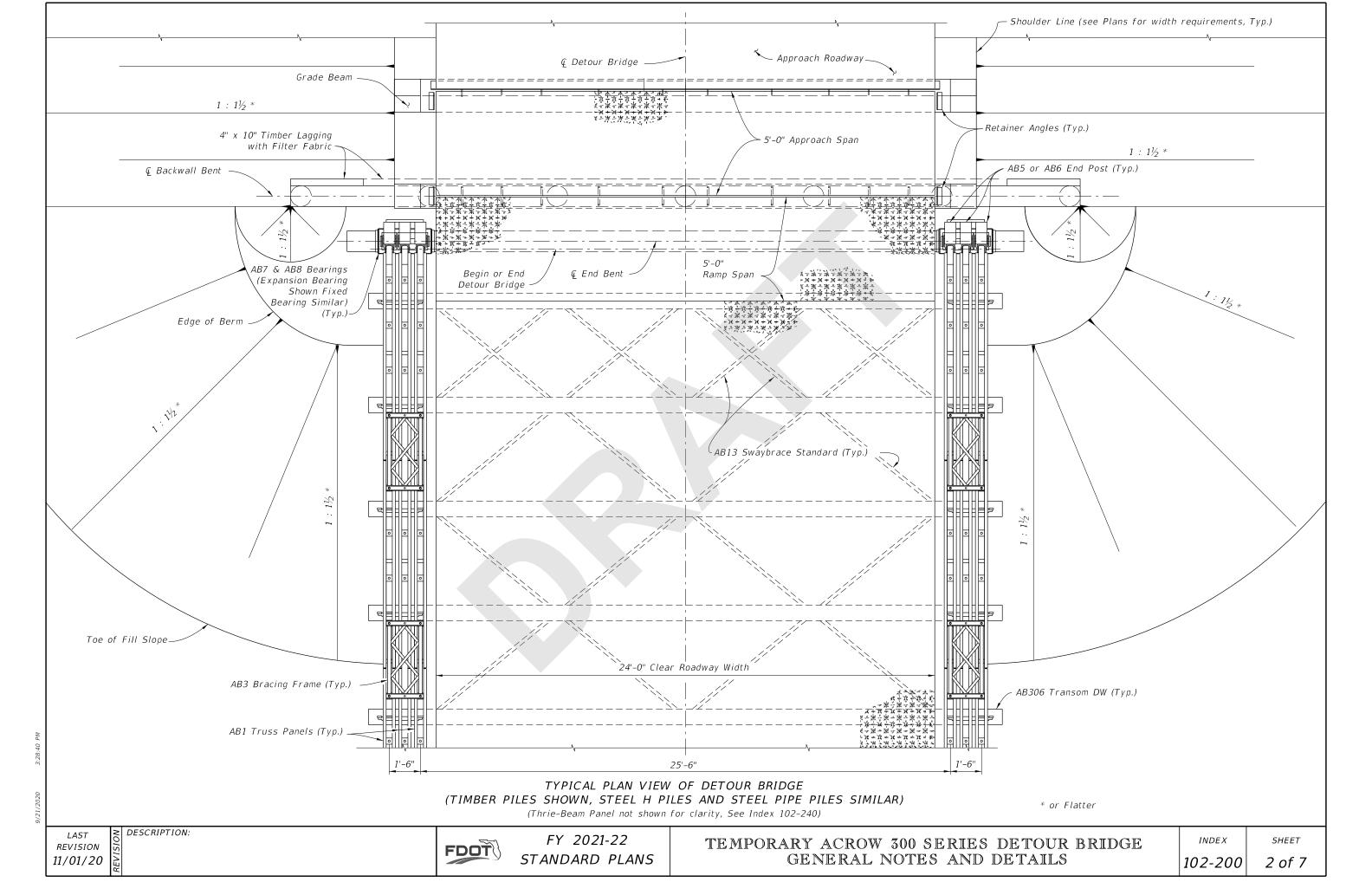
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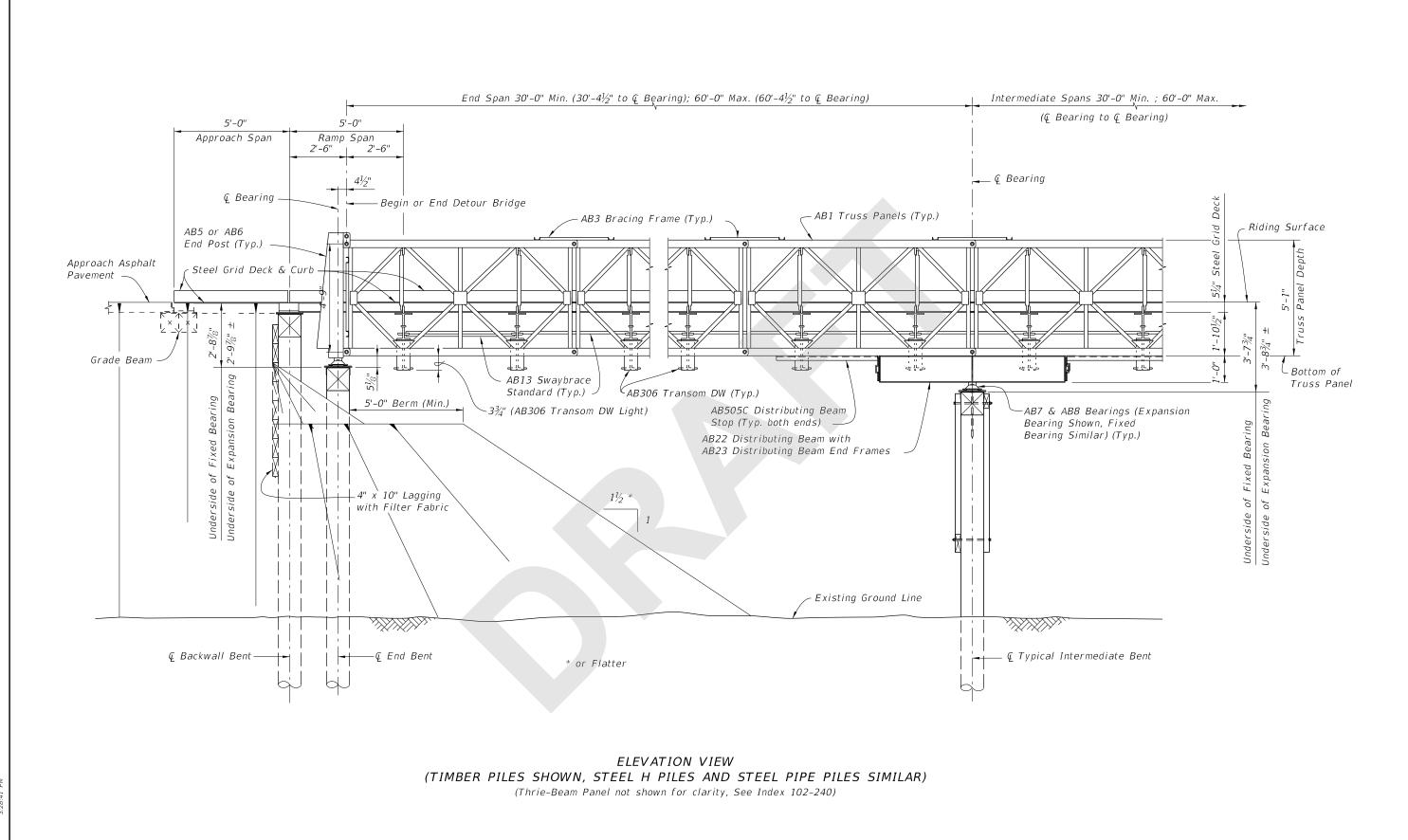
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REVISION 11/01/20

DESCRIPTION:

