

 Office of Structures <i>Guidelines and Procedures</i> <i>Memorandum</i>	PLANS
	Number: OOS-GPM-P-208 <i>(Former P-75-5(4))</i>
	Date: 08-05-2026
Structural Details in Contract Documents	Approval: 

OVERVIEW

The Office of Structures (OOS) has created Structural Detail sheets for many design elements that have been repetitive from structure to structure. The purpose of these details is to reflect current practices and save time in plan development. The OOS Structural Details are published on the Maryland SHA website under Manuals, Standards and Publications (<https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?PageId=777>) and are available internally through the OOS Details database.

DETAIL USAGE

It is the responsibility of the designer of record to determine if a Structural Detail is appropriate for inclusion in their project. If the published Structural Details are modified in any way, the details shall be removed from the Detail section of the plans and included with the structure drawings as a non-standard element. If there are any portions of a detail that do not apply to the structure, the information shall be crossed out. Every effort should be made to group details together on plan sheets according to the structural elements (i.e. structural steel details, foundation details, etc.).

For an in-house project, the project team leader shall, at the time of structural/final review, determine the Details that pertain to each structure, and prepare the necessary Detail plans for inclusion in the contract documents.

For a consultant project, the consultant firm shall, at the time of structural/final review, determine the Details that pertain to each structure, and prepare a written request to the SHA project team leader for the development of the Detail plans to be included in the contract documents. This request shall include any information that should be included in charts within the details or any portion of the detail to be crossed out.

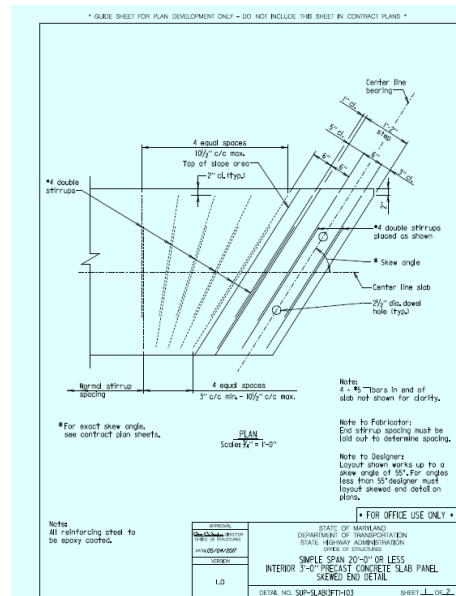
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As an aid to those utilizing the Structural Details Manual, the standard plates have been prepared as follows:

For Office Use Only Details

All Detail sheets that are labeled “For Office Use Only” at the top of the sheet are to be used as a guide in preparing details within the Contract Documents. These details are marked for office use only and contain a blue background and have notes indicating that they are only guides for plan development.

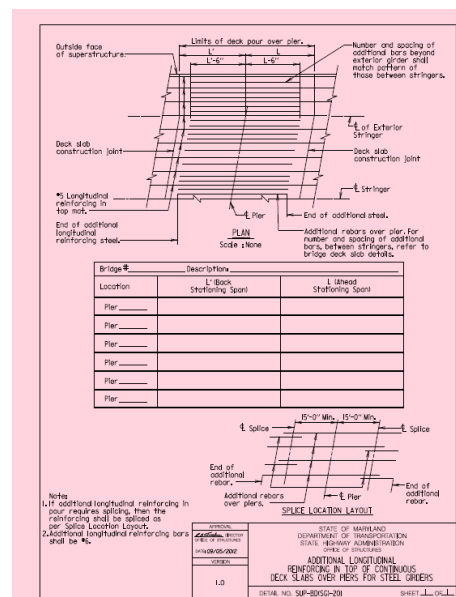
An example of a “for office use only” detail is shown to the right.



Details Requiring Additional Information

All Detail sheets that are to be used within the Contract Drawings and require additional information be added to them prior to the final development of the contract plans contain a pink background.

An example of a detail requiring additional information is shown to the right.



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STRUCTURAL DETAIL CATEGORIES

The structural detail numbering system has been developed to place details into categories and subcategories to aid in locating the appropriate information. The main categories and main subcategories are identified as follows:

Category Abbreviation	Category Title	Subcategory Abbreviation	Subcategory Title
GEN	General		
FND	Foundations	FND-GEN	General
		FND-PF	Pile Foundation
		FND-SP	Slope Protections
SUB	Substructure	SUB-DR	Drainage
		SUB-AB	Abutments
		SUB-WW	Wing Walls
		SUB-PR	Piers
		SUB-BP	Bearing Pad
		SUB-UTL	Utility
		SUB-EP	End Post
SUP	Superstructure	SUP-BD	Bridge Deck
		SUP-TB	Traffic Barriers (Parapets)
		SUP-FR	Fence and Railing
		SUP-SS	Structural Steel
		SUP-CG	Concrete Girder
		SUP-SLAB	Concrete Slabs
		SUP-JT	Bridge Deck Joints
		SUP-BR	Bearings
		SUP-SC	Scuppers
MOT	Maintenance of Traffic		
RW	Retaining Walls		
BC	Box Culverts		
REBAR	Reinforcing Details	REBAR-BL	Bar Laps
		REBAR-DL	Development Lengths
		REBAR-BB	Bar Bends
		REBAR-ER	Existing Reinforcing
AES	Aesthetics		
SI	Structure Inventory		

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Category Abbreviation	Category Title	Subcategory	Subcategory Title
NB	Noise Barriers	NB-GM	Ground Mounted
		NB-WM	Wall Mounted
		NB-TGM	Tall Ground Mounted
		NB-TWM	Tall Wall Mounted
		NB-EARTH	Earth Retained Walls
SR	Structure Repairs	SR-ST	Steel Repairs
		SR-CR	Concrete Repairs
		SR-JS	Jacking Systems
		SR-SUB	Substructure Repairs
		SR-BR	Bearing Repairs
		SR-SCOUR	Scour/Erosion Repairs
		SR-JT	Roadway Joint Repairs
		SR-PI	Paved Inverts
		SR-PCL	Pipe and Culvert Lining
		SR-RW	Retaining Wall Repairs
		SR-NW	Noise Wall Repairs
		SR-MISC	Miscellaneous Repairs
MISC	Miscellaneous Details		

Structural Details in Contract Documents

EXAMPLE

