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CONSTRUCTION SPECIFICATION  
INSTRUCTION FOR USE  
CS-I-OR-221 CONCRETE FOR MINOR STRUCTURES

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221.1 APPLICABILITY

Construction Specification CS-OR-221 is applicable for minor concrete structures. Minor structures include those of low hazard and cost where strength control is not critical for the function or safety of the structure.

221.2 MATERIAL SPECIFICATIONS

The following material specifications complement Construction Specification CS-OER-221:

- a) MS-OR-539---Steel Reinforcement (for Concrete)
- b) MS-OR-535---Preformed Expansion Joint Filler.

The material requirements for cement and aggregate are included in this construction specification.

221.3 ITEMS TO BE INCLUDED IN THE SPECIFICATIONS AND ON THE DRAWINGS

- a) Details and cross-sections that are sufficient for describing the structure are to be shown on the drawings.
- b) Specify reinforcing details including: size, grade, spacing and splicing lengths and show on the drawings, if applicable.
- c) Specify type, size and quantity of joint filler, waterstops, shear plates and other embedments and location show on the drawings, if applicable.
- d) Specify the source of aggregates.
- e) Specify the concrete mix.

221.4 ITEMS OF WORK AND CONSTRUCTION DETAILS

Starting at the top of page 221–8, prepare and outline job specific "Items of Work and Construction Details" (IWCD) in accordance with these instructions.