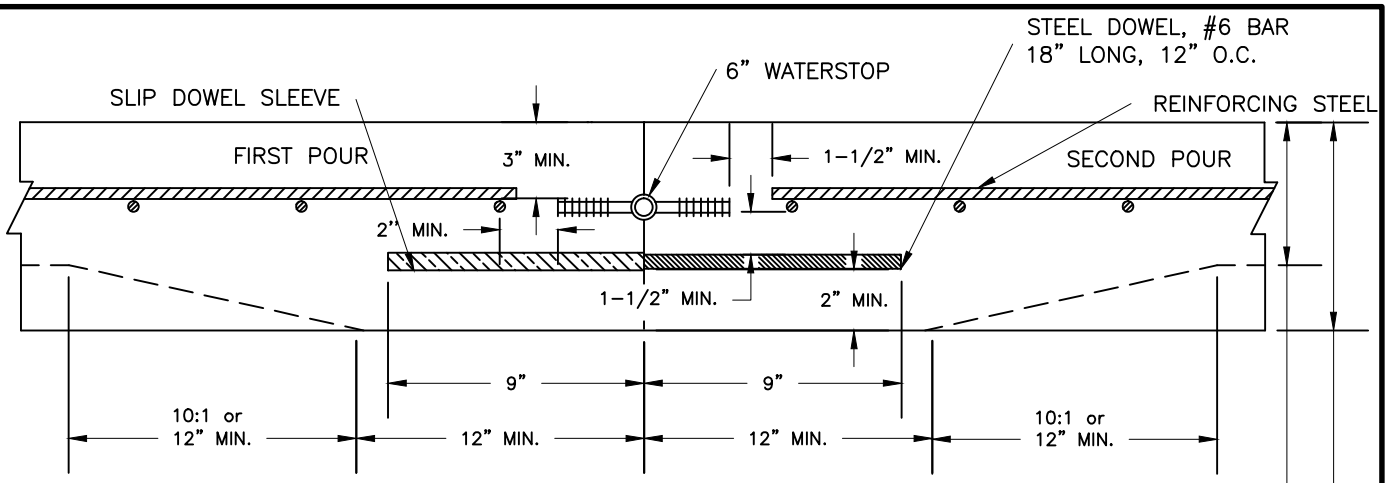

NOTE: THE SLAB OR WALL THICKNESS AT THE JOINT MUST BE GREATER THAN OR EQUAL TO 8".

SLAB THICKNESS =_____"

SLAB THICKNESS
AT JOINT =_____"
OR
WALL THICKNESS =_____"

CROSS SECTION OF WALL OR SLAB AT WATERSTOP JOINT

QUANTITIES

6" WATERSTOP — — — — — _____ LIN.FT.

STEEL DOWELS — — — — _____ EACH

DOWEL SLEEVES — — — — _____ EACH

CONSTRUCTION NOTES:

1. FACTORY CORNERS AND TRANSITIONS SHALL BE USED, LEAVING ONLY STRAIGHT BUTT JOINT SPLICES FOR FIELD WELDING.
2. SEE DWG WI-506, SHEET __, FOR FACTORY TRANSITIONS NEEDED.
3. SEE JOINT PLAN, SHEET __, FOR LOCATIONS OF JOINTS.

INSTALLATION:

A. POSITION THE WATERSTOP AND DOWEL AS SHOWN IN THE DRAWING.
B. SECURE THE WATERSTOP ALONG ITS LENGTH AT THE CENTER BULB AND SUFFICIENTLY AT THE WEB TO HOLD IT IN PLACE.
C. FOLLOW THE MANUFACTURERS RECOMMENDATIONS TO INSTALL THE DOWEL AND SLEEVE.
D. PLACE CONCRETE WITHOUT DISPLACING THE WATERSTOP.
E. THOROUGHLY VIBRATE CONCRETE AROUND THE WATERSTOP TO PREVENT VOIDS.
F. AFTER THE FIRST POUR, CLEAN THE UNEMBEDDED WATERSTOP WEB TO INSURE FULL CONTACT WITH THE SECOND POUR OF CONCRETE.
G. INSTALLATION METHODS SHALL BE IN STRICT COMPLIANCE WITH THE MANUFACTURER'S REQUIREMENTS.

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

USDA United States Department of Agriculture Natural Resources Conservation Service	6" EMBEDDED WATERSTOP WITH STEEL DOWELS FOR WALLS AND SLABS CLIENT: _____ COUNTY: _____	Date Designed _____ Drawn _____ Checked _____ Approved _____	File Name WI-505D Date 07/14 Sheet of

SPECIFICATIONS:

A. WORK CONSISTS OF PROVIDING FLEXIBLE WATERSTOPS, EMBEDDED IN CONCRETE, TO SPAN CONTROL AND/OR CONSTRUCTION JOINTS.
B. WATERSTOP MUST FORM A CONTINUOUS SEAL THROUGHOUT THE STRUCTURE.
C. WATERSTOP IS TO BE MANUFACTURED PVC, THERMOPLASTIC ELASTOMERIC RUBBER, (TPE), OR POLYETHYLENE P.E. MATERIAL WITH A MINIMUM WEB THICKNESS OF 3/16".
D. WATERSTOP IS TO BE FREE OF DIRT, OIL, AND DEFECTS.
E. REINFORCING STEEL SHALL NOT PASS THROUGH CONTROL JOINTS.

SPLICE FABRICATION:

A. PROVIDE FACTORY FABRICATED WATERSTOP CORNERS AND TRANSITIONS LEAVING ONLY STRAIGHT BUTT JOINT SPLICES FOR FIELD FABRICATION, UNLESS SPECIFICALLY APPROVED IN WRITING BY THE MANUFACTURER AND PERFORMED IN ACCORDANCE WITH THEIR SPECIFICATIONS.
B. USE ONLY A SPLICING IRON SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR HEAT FUSED WELDING OF ALL SPLICES.
C. WELDS ARE TO EXHIBIT A CONTINUOUS BEAD OF EXCESS MELTED MATERIAL, FREE OF DEFECTS.
D. SPLICES ARE TO BE HEAT WELDED WITH THE CENTER BULB AND RIBS ALIGNED.
E. ADHESIVES, SOLVENTS, LAP JOINTS, AND EDGE WELDING ARE NOT ACCEPTABLE.
F. EMBEDDED WATERSTOPS MAY NOT BE WELDED OR JOINED TO OTHER WATERSTOPS OF DIFFERENT SIZE, CONFIGURATION, OR MATERIAL.