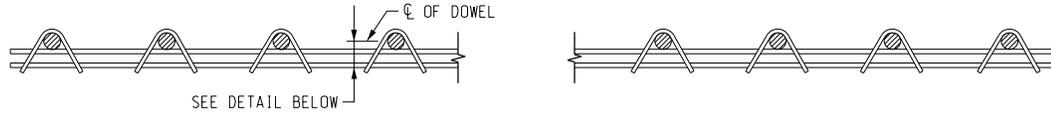
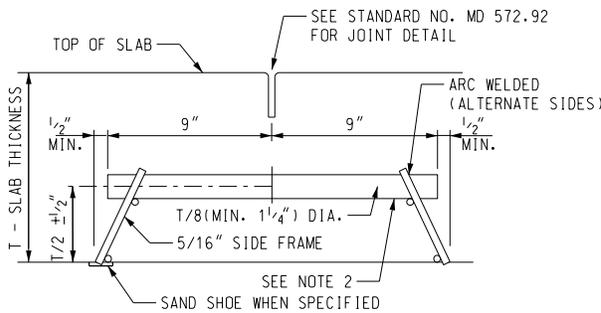


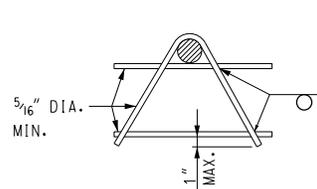
PLAN OF DOWEL UNIT FOR CONTRACTION JOINT



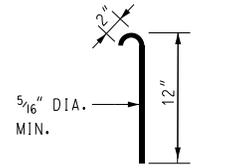
SIDE ELEVATION A - A CONTRACTION JOINT



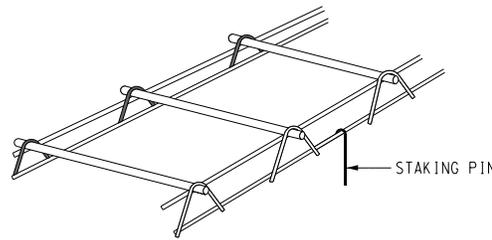
**SECTION B - B
THRU CONTRACTION JOINT**



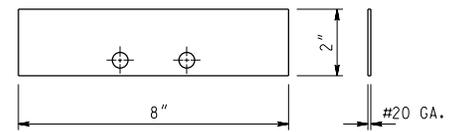
SIDE FRAME DETAIL



STAKING PIN



PERSPECTIVE VIEW



SAND SHOE

NOTES:

1. WELD ALTERNATE BARS AT OPPOSITE ENDS.
2. ENTIRE BAR TO BE LUBRICATED.
3. STAKING PINS, A MINIMUM SIX PER ASSEMBLY, THREE TO EACH SIDE.
4. THE DEVICE FOR SUPPORTING DOWELS SHALL BE SO CONSTRUCTED THAT IT WILL HOLD THE DOWELS FIRMLY IN POSITION, PARALLEL TO THE SURFACE AND CENTERLINE OF THE SLAB.
5. NO MEMBERS SHALL BE PLACED SO THAT THEY WILL INTERFERE WITH THE FREE FLOW OF CONCRETE BETWEEN THE DOWELS.
6. ASSEMBLY AND WELDING OF ALL MEMBERS SHALL BE SUCH AS TO ENSURE A GOOD WORKMANLIKE JOB, WITH ALL JOINTS TRUE AND SQUARE.
7. ASSEMBLIES WHICH HAVE BECOME WARPED OR DAMAGED IN TRANSIT OR STORAGE SO THEY WILL NOT CONFORM TO THE SUBGRADE SHALL NOT BE USED.
8. A SAMPLE OF THE SUPPORTING DEVICE SHALL BE SUBMITTED FOR APPROVAL PRIOR TO THE FILLING OF JOB ORDERS.
9. THE DIAMETER (D) OF ALL BARS SHALL BE AS SHOWN ON STD. MD 572.21. SAND SHOES ADDED WHEN SPECIFIED ARE TO BE USED UNDER THE FRAME TO HOLD DOWEL UNITS IN TRUE ALIGNMENT. SAND SHOES ADDED IN THE FIELD. THE UNITS ARE TO BE STAKED IN PLACE BY DRIVING #20 GA. PINS IN NUMBERS AND TO A DEPTH AS SUBGRADE CONDITIONS MAKE NECESSARY ALONG BOTH SIDES OF THE FRAME. A MINIMUM OF SIX (6) STAKES SHALL BE USED FOR EACH ASSEMBLY. THE UNITS ARE TO BE SHOP FABRICATED AS TO FRAME, ETC. ALTERNATIVE LOAD TRANSFER ASSEMBLIES MAY BE SUBMITTED TO OMT'S PAVEMENT & GEOTECHNICAL DIVISION FOR CONSIDERATION OF APPROVAL.

SPECIFICATION	CATEGORY CODE ITEMS	MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES STANDARD DOWEL BAR ASSEMBLY CONTRACTION JOINTS STANDARD NO. MD 572.23
APPROVED	 DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT	
APPROVAL SHA REVISIONS	APPROVAL FEDERAL HIGHWAY ADMINISTRATION	
APPROVAL 7-14-61	APPROVAL 7-7-67	
REVISED 10-1-01	REVISED 7-2-85	
REVISED 3-25-10	REVISED	
REVISED 12-13-18	REVISED 11-29-18	