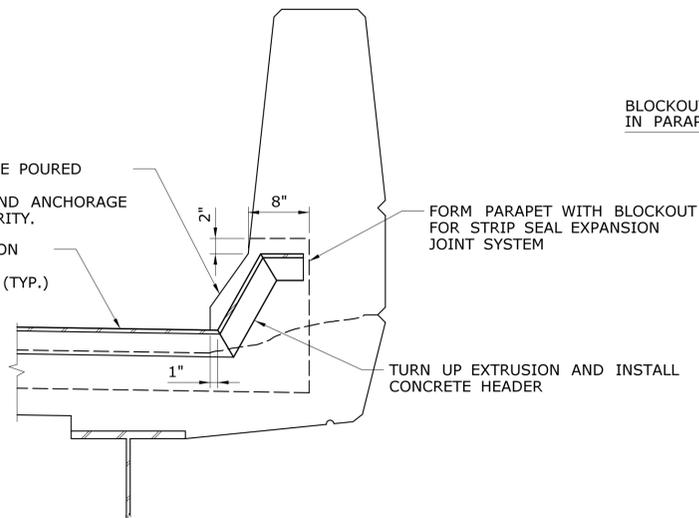


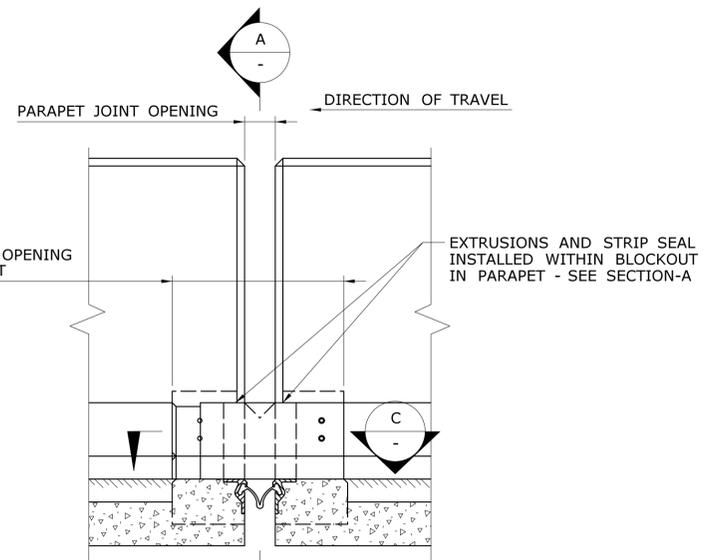
**SECTION - STRIP SEAL IN CONCRETE HEADER**  
NOT TO SCALE

NOTE: LIGHT MATERIALS AND EQUIPMENT MAY BE HAND CARRIED ONTO BRIDGE DECKS ONLY AFTER THE CONCRETE HAS BEEN IN PLACE AT LEAST 24 HOURS PROVIDED CURING IS NOT INTERFERED WITH AND THE SURFACE TEXTURE IS NOT DAMAGED.

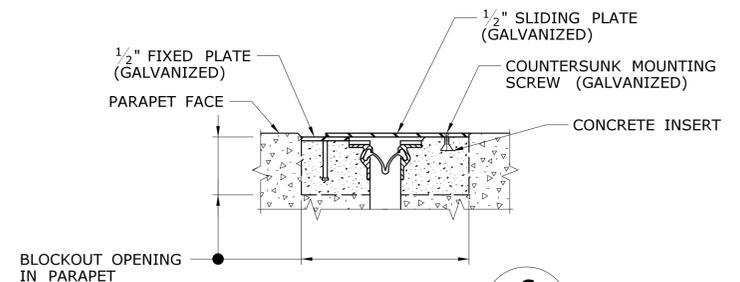
CONCRETE CURB TO BE POURED WITH JOINT HEADER. NOTE: COVER PLATE AND ANCHORAGE NOT SHOWN FOR CLARITY.  
STRIP SEAL EXPANSION JOINT SYSTEM IN CONCRETE HEADERS (TYP.)



**SECTION A**



**VIEW B**

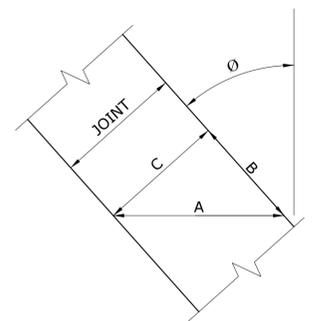


**SECTION C**

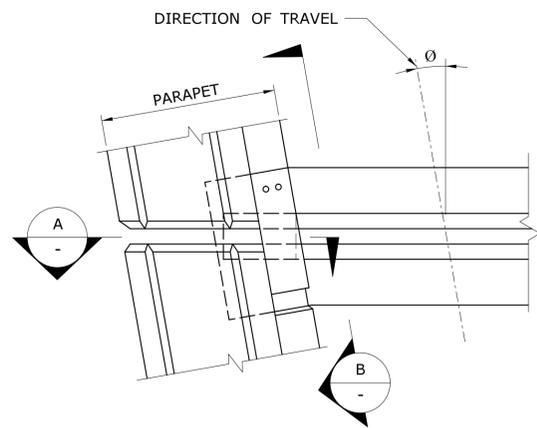
**JOINT TREATMENT AT CONCRETE PARAPET**

NOTES TO DESIGNER

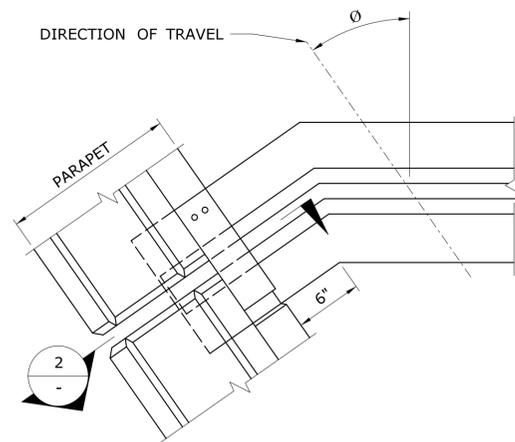
- 1) PAY ITEM INCLUDES ONLY FURNISHING AND INSTALLING THE ELEMENTS OF THE STRIP SEAL JOINT. OTHER MATERIALS AND WORK SHOWN (CONCRETE, REINFORCEMENT, ETC...) MUST BE ACCOUNTED FOR WITH SEPARATE ITEMS AND QUANTITIES.
- 2) CONCRETE HEADERS WITH STRIP SEALS SHALL BE USED AT EXPANSION JOINTS WITH COMPUTED MOVEMENTS BETWEEN 3" AND 4".
- 3) THE TEMPERATURE RANGE USED FOR COMPUTATION OF MOVEMENT SHALL BE IN ACCORDANCE WITH SECTION 10.1 OF THE CTDOT BRIDGE DESIGN MANUAL.
- 4) THE STRIP SEAL MOVEMENT CAPACITY AND OPENING AT 50° F SHALL BE DETERMINED BY THE DESIGNER IN ACCORDANCE WITH APPROVED PRODUCT INFORMATION.
- 5) THE DESIGNER SHALL CONSIDER THE EFFECTS OF SKEW WHEN DETERMINING THE STRIP SEAL MOVEMENT CAPACITY. THE MOVEMENT RATING OF THE GLAND SHALL BE GREATER THAN OR EQUAL TO THE COMPUTED MOVEMENTS ALONG THE SKEW, NORMAL TO THE JOINT OR ALONG THE CENTERLINE OF BRIDGE. ADDITIONALLY, REVIEW ANTICIPATED MOVEMENTS FOR CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.



$\theta$  = SKEW ANGLE  
A = MOVEMENT ALONG  $\perp$  BRIDGE  
B = MOVEMENT ALONG SKEW    B = A\*SIN $\theta$   
C = MOVEMENT NORMAL TO JOINT    C = A\*COS $\theta$



**PLAN VIEW - JOINT TREATMENT AT GUTTERLINE  $\theta \leq 35^\circ$**



**PLAN VIEW - JOINT TREATMENT AT GUTTERLINE  $\theta > 35^\circ$**

**STRIP SEAL IN CONCRETE HEADER EXPANSION JOINT SYSTEM - NEW CONSTRUCTION**  
NOT TO SCALE

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: - CHECKED BY: - SCALE AS NOTED	<b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> Filename: ...Bridge Joints\Strip Seal.dgn	SIGNATURE/BLOCK: - <b>OFFICE OF ENGINEERING</b> APPROVED BY: -	PROJECT TITLE: -	TOWN: -	PROJECT NO. - DRAWING NO. <b>SK-01</b> SHEET NO.
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 4/30/2019	<b>STRIP SEAL IN CONCRETE HEADER</b> <b>NEW CONSTRUCTION</b>		