

- 1. ALL DIMENSIONS ARE OUT-TO-OUT OF A BAR EXCEPT "AND
- "G" ON STANDARD 180' AND 135' HOOKS

 2. "J" DIMENSION ON 180' HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE STANDARD
- NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE STANDARD HOOKS TO BE USED.

 3. ON TRUSS BARS "J" WILL BE KEPT EQUAL JI H TO OR LESS THAN "H". WHERE "J" CAN EXCEED "H" IT SHOULD BE SHOWN.

 4. ON STIRRUPS "H" DIMENSION SHOULD BE SHOWN ONLY WHERE NECESSARY TO FIT WITHIN CONCRETE.

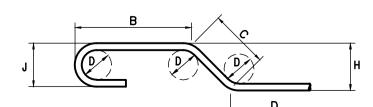
 5. CRITICAL DIMENSIONS ARE TO BE WHERE BARS ARE TO BE BENT MORE ACCURATELY THAN STANDARD BENDING TOLERANCE.

 6. ON TYPE T3 "G" IS EQUAL TO CLASS B SPLICE.

 7. FIGURES SHOWN IN CIRCLES SHOW TYPES.

 8. ALL BAR BENDS OTHER THAN THE TYPES SHOWN MUST BE DESIGNATED AS TYPE "X".

UNLESS OTHERWISE NOTED DIAMETER "D" IS THE SAME ALL HOOKS AND BENDS ON A BAR. WHERE SLOPE DIFFERS FROM 45° DIMENSIONS "H" AND "K" MUST BE SHOWN



ENLARGED VIEW BAR BENDING DETAILS

APEGIN Certificate of Authorization Wardrop Engineering Inc. No. 195 Date: April 30, 2011

DESIGNED V.B. CHECKED V.B.	
DRAWN E.M.M./B.M. APPROVED R.H.W.	
HOR. SCALE: RELEASED FOR DATE CONSTRUCTION	
AS NOTED CONSTRUCTION CO	CONSULTANT DRAWING NO.
	0900070502-DWG-S0111

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

OSBORNE STREET BRIDGE REHABILITATION & RELATED WORKS	CITY DRAWING NUMBER B109-11-116
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