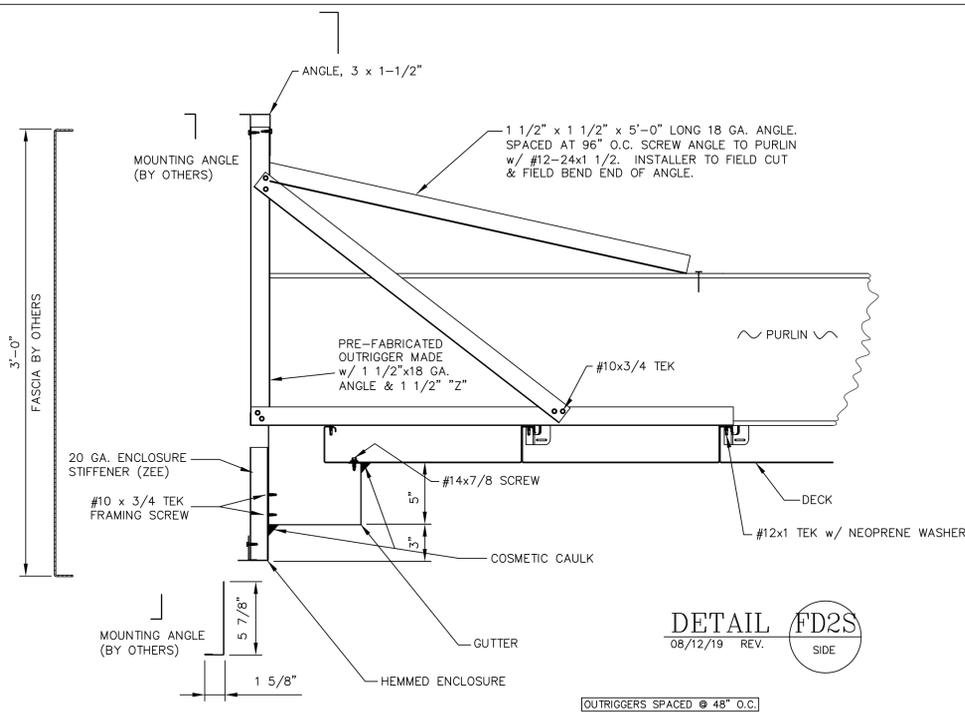


DETAIL FD1S
5/7/20 REV.



DETAIL FD2S
08/12/19 REV.

TURN OF NUT METHOD: BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG-TIGHT CONDITION. SNUG TIGHT IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN THE FLIES OF THE JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. SNUG TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE CONNECTION TO THE FREE EDGES AND THEN THE BOLTS OF THE CONNECTION SHALL BE RETIGHTENED IN A SIMILAR SYSTEMATIC MANNER AS NECESSARY UNTIL ALL BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION, ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED IN THE TABLE. DURING THE TIGHTENING OPERATION, THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT TO ITS FREE EDGES.

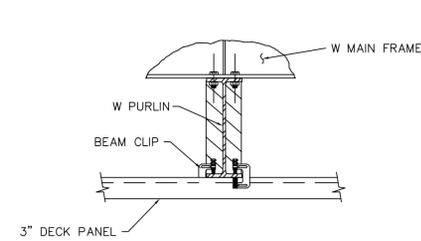
BOLT LENGTH (UNDER SIDE OF HEAD TO END OF BOLT)	DISPOSITION OF OUTER FACE OF BOLTED PARTS		
	BOTH FACES NORMAL TO BOLT AXIS	ONE FACE NORMAL TO BOLT AXIS AND OTHER SLOPED NOT MORE THAN 1:20 (BEVELED WASHER NOT USED)	BOTH FACES SLOPED NOT MORE THAN 1:20 FROM NORMAL TO THE BOLT AXIS (BEVELED WASHER NOT USED)
UP TO AND INCLUDING 4 DIAMETERS	1/3 TURN	1/2 TURN	2/3 TURN
OVER 4 DIAMETERS BUT NOT EXCEEDING 8 DIAMETERS	1/2 TURN	2/3 TURN	5/6 TURN

A) NUT ROTATION IS RELATIVE TO BOLT REGARDLESS OF THE ELEMENT (NUT OR BOLT) BEING TURNED. FOR BOLTS INSTALLED BY 1/2 TURN AND LESS, THE TOLERANCE SHOULD BE PLUS OR MINUS 30 DEGREES. FOR BOLTS INSTALLED BY 2/3 TURN AND MORE, THE TOLERANCE SHOULD BE PLUS OR MINUS 45 DEGREES.

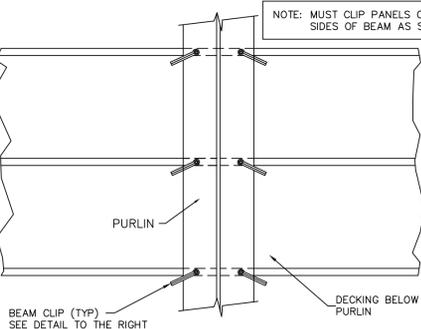
B) APPLICABLE ONLY TO CONNECTIONS IN WHICH ALL MATERIAL WITHIN THE GRIP OF THE BOLT IS STEEL.

STEP (1):	STEP (2):	STEP (3):
SNUG THE JOINT SO THAT NO GAPS EXIST BETWEEN THE LAYERS OF STEEL AT THE BOLT HOLES.	MATCHMARK EACH NUT, BOLT AND STEEL SURFACE IN A STRAIGHT LINE GOING ACROSS A CORNER OF THE NUT.	APPLY THE REQUIRED TURNS AS GIVEN IN THE TABLE ABOVE. ONE WORKER MUST HOLD THE BOLT HEAD/NUT AS THE NUT/BOLT HEAD IS TURNED. REQUIRED ROTATION

COPIED FROM AISC SPECIFICATION FOR STRUCTURAL JOINTS, USING ASTM A325 OR A490 BOLTS

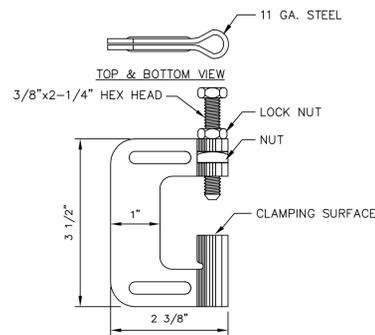


NOTE: MUST CLIP PANELS ON BOTH SIDES OF BEAM AS SHOWN.



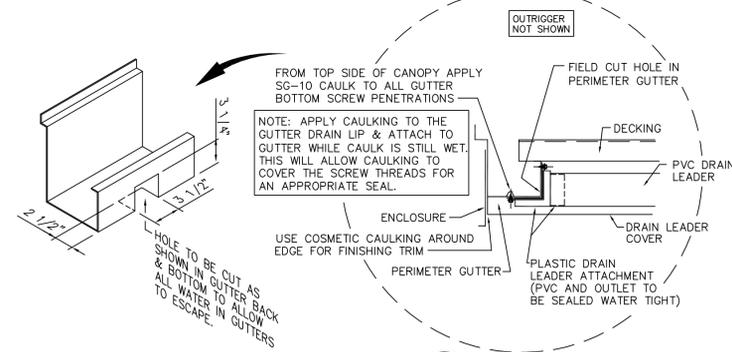
DETAIL CP4
REV 02-21-19

McGEE BEAM CLIP INSTALLATION PROCEDURE: SET BEAM CLIP WITH BOLT ON TOP OF BEAM FLANGE AND CLAMPING SURFACE UNDER DECK RIB. PUSH CLIP AGAINST DECK AND BEAM FLANGE WITH BOLT AS FAR ONTO BEAM FLANGE AS POSSIBLE. WHILE KEEPING BEAM CLIP VERTICAL, TURN BOLT TO SNUG TIGHT WITHOUT BURROWING INTO STEEL BEAM FLANGE. THEN PROCEED TO TURN BOLT 3/4 TURN (270°). TIGHTEN LOCK NUT MAKING SURE THAT BEAM CLIP REMAINS IN POSITION.

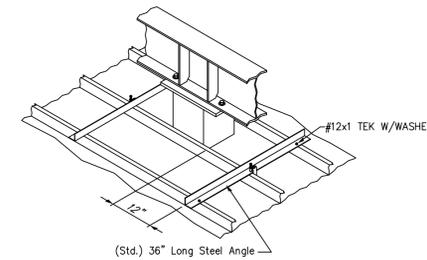


McGEE BEAM CLIP DETAIL

MATERIAL:
BOLT: 3/8" - 16 CLASS 3A X 2.25" STEEL FULLY THREADED HX HD. M/S WITH CUP POINT, SAE J429, GR 8 W/ MIN TENSILE STRENGTH OF 150 KSI, CASE HARDENED & HEAT TREATED TO MIN/MAX CORE HARDNESS OF HRC 33-39. ZINC PLATED PER ASTM B695 WITH CLASS 55 COATING.
CLIP BODY MATERIAL: 11ga (0.115") ASTM A653 FS TYPE B (A526 CQ) (GALVANIZED G90) (MIN YIELD STRENGTH = 36 kpsi)
NUTS: 3/8-16 3B HEX HEAD NUT AND SQUARE NUT PER SAE J995 GR 8 W/ MIN TENSILE STRENGTH OF 150 KSI, HEAT TREATED TO MIN/MAX HARDNESS OF HRC 33-39. ZINC PLATED PER ASTM B695 WITH CLASS 55 COATING.
PERFORMANCE TESTING PER ASTM F606/F606M -16 - STANDARD TEST METHODS FOR DETERMINING MECHANICAL PROPERTIES OF EXTERNALLY AND INTERNALLY THREADED FASTENERS, WASHERS, DIRECT TENSION INDICATORS AND RIVETS.



DETAIL DC14
REV. 3-21-16



Step 1 Attach a support bracket on each side of the column to support the cut rib of deck. Keep bracket at least 12" away from column to allow room to seal around column. (Typ. all columns)

Step 2 Use McGee beam clip and TEK screws as shown to secure and support.

DETAIL DSA1

PERIMETER GUTTER O'FLOW CUTOUT (SHOWN)

NOTCH 2" x 7 3/8" HOLE IN GUTTER AS SHOWN (See roof plan for locations on canopy)

CENTER GUTTER O'FLOW CUTOUT

NOTCH 2" x 7 3/8" HOLE IN GUTTER AS SHOWN ALTERNATE DIRECTION OF CUT OUT AND OVERFLOW IF MORE THAN (2) OVERFLOWS ARE PRESENT (See roof plan for locations on canopy)

OVERFLOW INSTALLATION

INSERT (1) FLANGE AND BEND JUST ENOUGH TO GET OTHER SIDE IN.
USE (1) POPRIVET EACH SIDE THEN APPLY COSMETIC CAULK AROUND EDGES.

DETAIL DC9
REV. 1 03-26-02

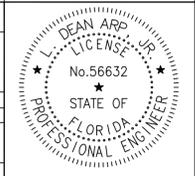
L. DEAN ARP, JR., P.E.
FLORIDA PE #56632

PO BOX 587 - MONROE - NC 28111
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FLORIDA COA #26552

This item has been electronically signed and sealed by L. Dean ARP, Jr. PE on 4/1/2022 using a Digital Signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally signed by Larry D Arp Jr.
DN: cn=Larry D Arp Jr., ou=AD1410C00001702165C5E3800132FE, email=Larry D Arp Jr., date=2022.04.01 08:40:17 -0400



McGEE CORPORATION 12701 East Independence Blvd., P.O. Box 1375 Matthews, NC 28106-1375 Phone: (704) 882-1500 Watts: (800) 526-5589	PR. JOB NO.	FINAL JOB NO.	DRAWING NO.
		61513	P061513B
	CIRCLE K (DIESEL CANOPY) US HWY 90 & I-75 LAKE CITY, FL (COLUMBIA)		
SCALE: NTS	IN ACCORDANCE WITH REV. LETTER:	DRAWN BY: RAR	CHECK BY:
DATE: 4/1/2022			
METAL CANOPY 24'-0" x 70'-4"		SHEET NO. 3 OF 3	
MISC. DETAILS			