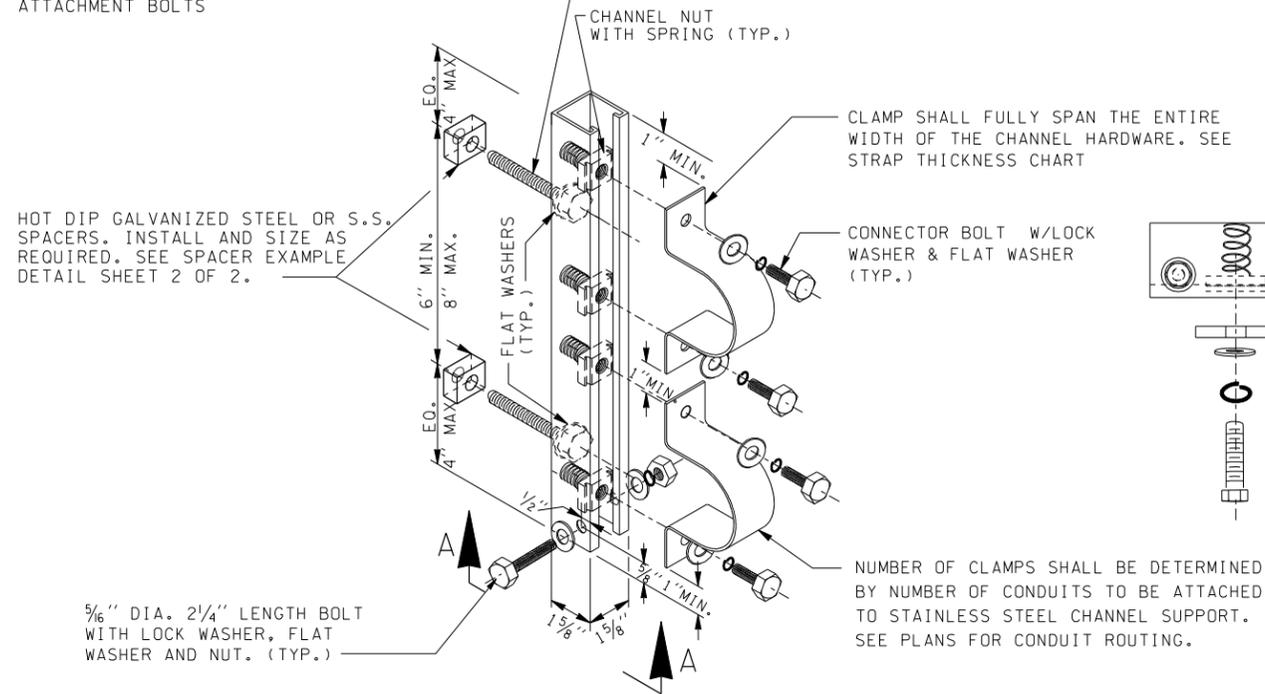
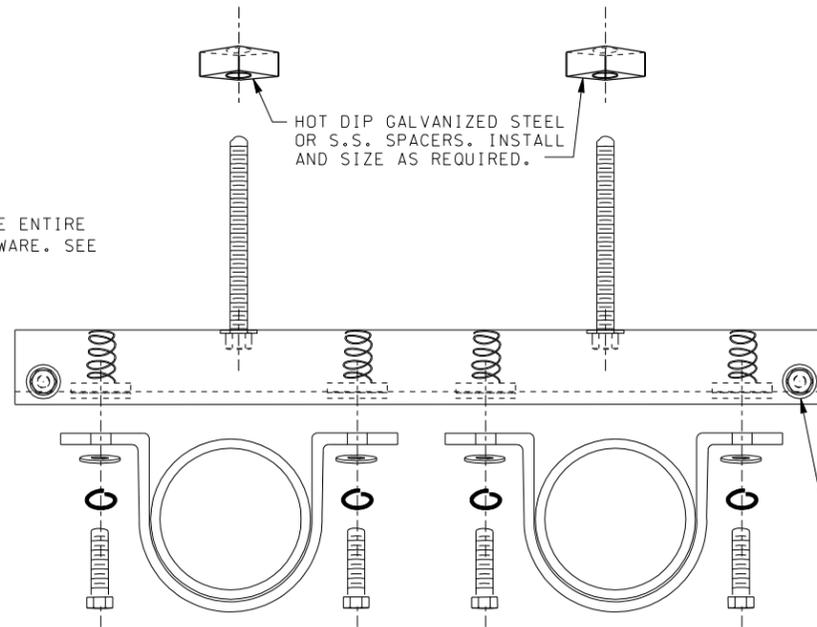


ATTACHMENT BOLT PENETRATION LENGTH 4 1/2" MIN. (TYP.)

*ADD ADDITIONAL ATTACHMENT BOLTS WHEN REQUIRED TO MAINTAIN 8" MAXIMUM SPACING BETWEEN ADJACENT ATTACHMENT BOLTS



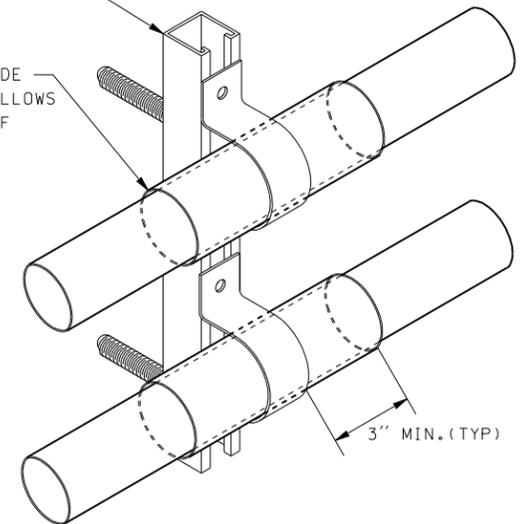
STAINLESS STEEL CHANNEL SUPPORT DETAIL
(VERTICAL MOUNT)



HORIZONTAL DETAIL
(HORIZONTAL MOUNT)

SEE STAINLESS STEEL CHANNEL SUPPORT DETAIL

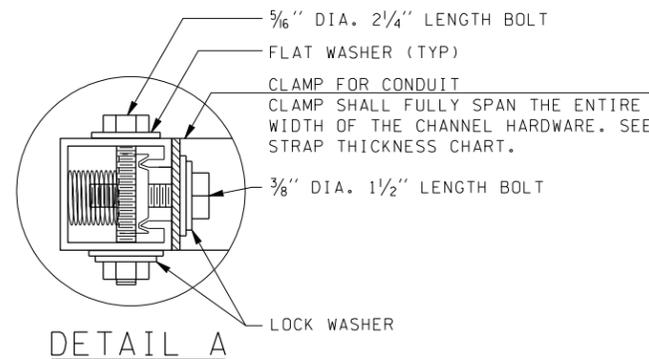
USE NEXT LARGER TRADE SIZE CONDUIT THAT ALLOWS FOR FREE MOVEMENT OF CONDUIT



PVC CONDUIT SUPPORT DETAIL
(FOR UTILITY COMPANY USE - ONLY ALLOWED IN RARE INSTANCES)

5/8" DIA. 2 1/4" LENGTH BOLT WITH LOCK WASHER, FLAT WASHER AND NUT. (TYP.)

5/8" DIA. 2 1/4" LENGTH BOLT WITH LOCK WASHER, FLAT WASHER AND NUT. (TYP.)



DETAIL A

NOTE TO DESIGNER: WHEN USING THIS SHEET, SEE SHEETS 'STAINLESS STEEL CHANNEL DETAILS' SHT 5.05E AND 'NEMA SURFACE MOUNT J BOX SHT' 6.23. YOU MUST ALSO REQUEST THE FOLLOWING GSP'S BE ADDED TO THE CONTRACT. GSP 02.GR6, GSP 022.GR6, GSP 0221.GR6 AND GSP 02318.GR6. DELETE THIS NOTE FROM THIS SHEET WHEN INSERTED INTO CONTRACT PLAN SET.

STRAP THICKNESS CHART	
NOMINAL PIPE SIZE IN.	STRAP THICKNESS
1/2 - 2	> OR = 1/8"
2 - 5	> OR = 1/4"
6	> OR = 1/4"

NOTES

1. DRILLING THROUGH REINFORCING STEEL IS NOT ALLOWED. IF STEEL IS HIT WHILE DRILLING, THE LOCATION SHALL BE MOVED AND THE ABANDONED HOLE FILLED WITH GROUT CONFORMING TO SECTION 6-02.3(20). THERE SHALL BE A MINIMUM 3" EDGE DISTANCE TO THE CENTERLINE OF ANCHOR HOLES IN CONCRETE. MOUNT THE STAINLESS STEEL SUPPORT USING AN APPROVED RESIN BONDED ANCHOR SYSTEM, INSTALLED PER MANUFACTURERS RECOMMENDATION IN DRY CONDITIONS. RESIN BONDED ANCHORS SHALL BE STAINLESS STEEL AND SHALL BE OF 3/8" DIA. (EXPANSION ANCHORS ARE NOT ALLOWED.)

RIGID GALVANIZED STEEL CONDUIT		
NOMINAL TRADE SIZE IN.	CONDUIT DIAMETER	
	OUTSIDE	INSIDE
1/2	0.840	0.632
3/4	1.050	0.836
1	1.315	1.063
1 1/4	1.660	1.394
1 1/2	1.900	1.624
2	2.375	2.083
2 1/2	2.875	2.489
3	3.500	3.090
3 1/2	4.000	3.570
4	4.500	4.050
5	5.563	5.073
6	6.625	6.093

SCHEDULE 40 PVC		
NOMINAL TRADE SIZE IN.	CONDUIT DIAMETER	
	OUTSIDE	INSIDE
1/2	0.840	0.622
3/4	1.050	0.824
1	1.315	1.049
1 1/4	1.660	1.380
1 1/2	1.900	1.610
2	2.375	2.067
2 1/2	2.875	2.469
3	3.500	3.068
3 1/2	4.000	3.548
4	4.500	4.026
5	5.563	5.047
6	6.625	6.065

SCHEDULE 80 PVC		
NOMINAL TRADE SIZE IN.	CONDUIT DIAMETER	
	OUTSIDE	INSIDE
1/2	0.840	0.546
3/4	1.050	0.742
1	1.315	0.957
1 1/4	1.660	1.278
1 1/2	1.900	1.500
2	2.375	1.939
2 1/2	2.875	2.323
3	3.500	2.900
4	4.500	3.826
5	5.563	4.813
6	6.625	5.761

FILE NAME	C:\JOHNNA Mt Vernon\Master Details\UNISTRUT\column clamp-spacer\unistrut.e.dgn			REGION NO.	STATE	FED.AID PROJ.NO.	DATE	P.E. STAMP BOX	DATE	P.E. STAMP BOX		ENGLISH STAINLESS STEEL CHANNEL DETAILS	PLOT1
TIME	7:50:57 AM			10	WASH								5.04E
DATE	12/12/2008			REVISION	DATE	BY							SHEET 1 OF 2 SHEETS
DESIGNED BY	DELETE NOTE 2, ADD SCHD 80 PVC 6" TRADE SIZE			12-12-08	JH								
ENTERED BY	REM EX MNT JBOX DET,TEXT,ATTACH BOLT LENGTH			8-22-07	JH								
CHECKED BY	TEXT-UNISTRUT TO STAINLESS STEEL CHANNEL			4-4-07	JH								
PROJ. ENGR.	ADD NOTES TO JBOX, DESIGNER NOTE			4-6-05	JH								
REGIONAL ADM.	ADD EX MOUNT JBOX DET., HOR. DET., WASHERS			3-21-05	JH								
	ADD BOLT W/NUT AND WASHERS ON HOR. MOUNTED CHANN. SUPPORT.			1-11-05	KN								