



Since 1980

Architects • Engineers • Landscape Architects

JOHNSON, LASCHOBER & ASSOCIATES, P.C.

AUGUSTA, GA • MT. PLEASANT, SC
TEL (706) 724-5756 • TEL (843) 619-4656
FAX (706) 724-3955
WWW.THEJLAGROUP.COM

CLIENT: CITY OF NORTH AUGUSTA, SC
100 GEORGIA AVENUE, NORTH AUGUSTA, SC 29841

PROJECT NAME: NORTH AUGUSTA
FIRE STATION 1 RELOCATION

PROJECT LOCATION: 311 W. MARTINTOWN ROAD, NORTH AUGUSTA, SC 29841



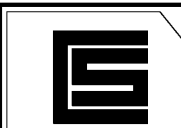
REV	DATE	BY	DESCRIPTION
0	10/08/20	NPC	ISSUED FOR BID

PROJECT NO. 3057.2003
DRAWN BY: BLB
CHECKED BY: NPC
DATE: 10/08/2020

SHEET TITLE:
STEEL SECTIONS AND DETAILS - SHEET 2 OF 2

SCALE: AS NOTED

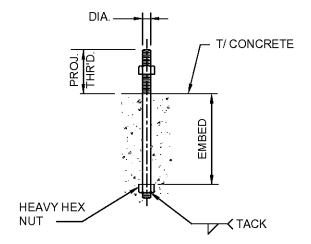
DRAWING NO. **S-502** REV. 0



Stewart - Cooper - Nowell Architects

704.865.6311
www.scn-architects.com

DIAMETER	PROJECTION & THREAD	EMBEDMENT LENGTH
3/4"	3"	12"
7/8"	3"	15"
1"	4"	18"
1 1/4"	4"	21"

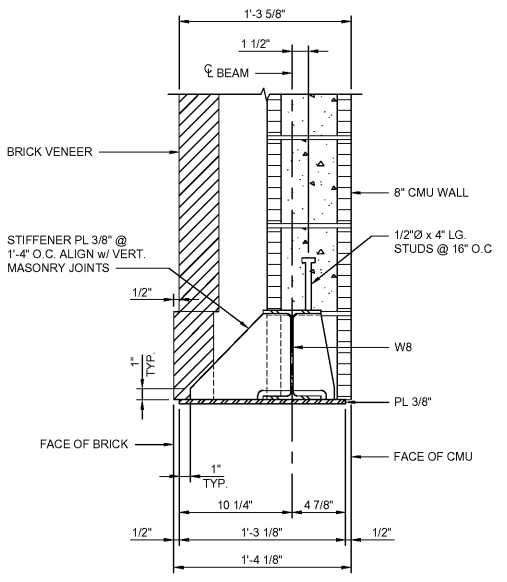


DETAIL
NO SCALE

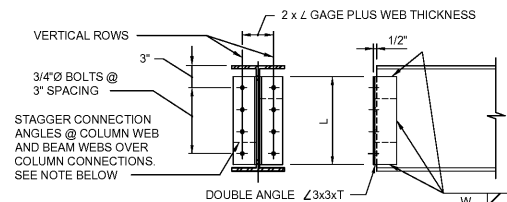
CLEAR SPAN	LINTEL TYPE AND SIZE
UP TO 4'-0"	L4 x 3-1/2 x 5/16
4'-0"-6'-0"	L5 x 3-1/2 x 3/8
6'-0"-8'-0"	L6 x 3-1/2 x 3/8

- NOTES:
- ONE ANGLE PER 4" THICKNESS OF MASONRY.
 - 6" MINIMUM BEARING EACH END OF EACH ANGLE.
 - LONG LEG SHALL BE PLACED VERTICAL.
 - ALL EXTERIOR ANGLES SHALL BE GALVANIZED.

DETAIL
NO SCALE



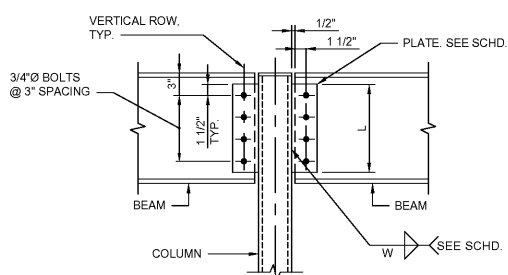
SECTION
SCALE: 1 1/2"=1'-0"



BEAM SIZE	NO. OF BOLTS PER VERT. ROW	L (in.)	T (in.)	ANGLE	FILLET WELD
W6	1	3	4	3/16	
W8 & W10	2	6	4	3/16	
W12 & W14	3	9	5/16	1/4	
W16 & W18	4	12	5/16	1/4	
W21, W24 & W27	6	18	3/8	5/16	
W30, W33 & W36	8	24	3/8	5/16	

NOTE: FABRICATOR TO DETAIL CONNECTIONS @ COLUMN WEBS AND BEAM WEBS OVER COLUMNS TO MEET OSHPD SECTION 1926.7.10, 1926.756(C)(2) AND 1926 SUBPART R, APPENDIX H. AT COLUMN AND BEAM WEBS WHERE TWO CONNECTED MEMBERS SHARE COMMON HOLES, THE CONNECTION SHALL BE STAGGERED SO THAT EACH MEMBER HAS AT LEAST ONE BOLT THAT IS NOT COMMON WITH THE OPPOSITE SIDE CONNECTION. A BEAM SEAT MAY BE USED TO ELIMINATE THE STAGGERED CONNECTION.

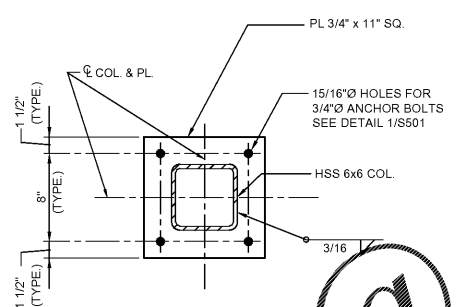
DETAIL
NO SCALE



BEAM SIZE	NO. OF BOLTS PER VERT. ROW	L (in.)	T (in.) PLATE THK.	W (in.) FILLET WELD
W6	1	3	1/4	3/16
W8 & W10	2	6	1/4	3/16
W12 & W14	3	9	5/16	1/4
W16 & W18	4	12	5/16	1/4
W21, W24 & W27	6	18	3/8	5/16
W30, W33 & W36	8	24	3/8	5/16

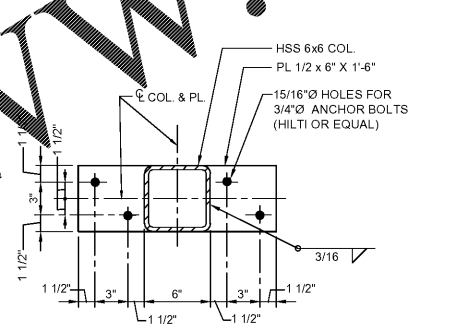
DETAIL
SCALE: 1"=1'-0"

- NOTES:
- GROUT FOR SETTING BASE PLATES SHALL BE NON-SHRINK, NON-METALLIC TYPE. PLUMB COLUMN BY USING LEVELING NUTS OR STEEL WEDGES AT EDGES OF BASE PLATE AND GROUT. WHEN GROUT HAS GAINED SUFFICIENT STRENGTH TO SUPPORT LOAD (5000 PSI), ALL WEDGES AND SHIMS SHALL BE REMOVED & RESULTING VOIDS FILLED WITH GROUT BEFORE ANCHOR BOLTS ARE TIGHTENED.

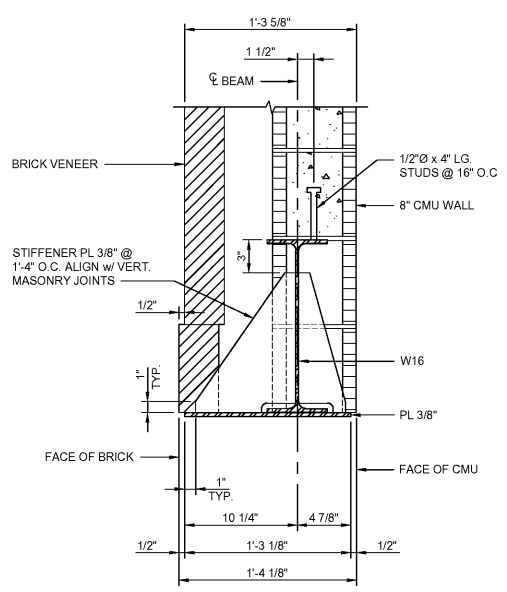


DETAIL
SCALE: 1 1/2"=1'-0"

- NOTES:
- GROUT FOR SETTING BASE PLATES SHALL BE NON-SHRINK, NON-METALLIC TYPE. PLUMB COLUMN BY USING LEVELING NUTS OR STEEL WEDGES AT EDGES OF BASE PLATE AND GROUT. WHEN GROUT HAS GAINED SUFFICIENT STRENGTH TO SUPPORT LOAD (5000 PSI), ALL WEDGES AND SHIMS SHALL BE REMOVED & RESULTING VOIDS FILLED WITH GROUT BEFORE ANCHOR BOLTS ARE TIGHTENED.



DETAIL
SCALE: 1 1/2"=1'-0"



SECTION
SCALE: 1 1/2"=1'-0"

Order Plans @ WWW.DIline.com

BORDER: J:\3057.2003\WP\DWG: S-502.DWG

This document is the property of Johnson, Laschober & Associates, P.C. The unauthorized reproduction, copying or otherwise use of this document is strictly prohibited and any infringement thereupon may be subject to legal action.