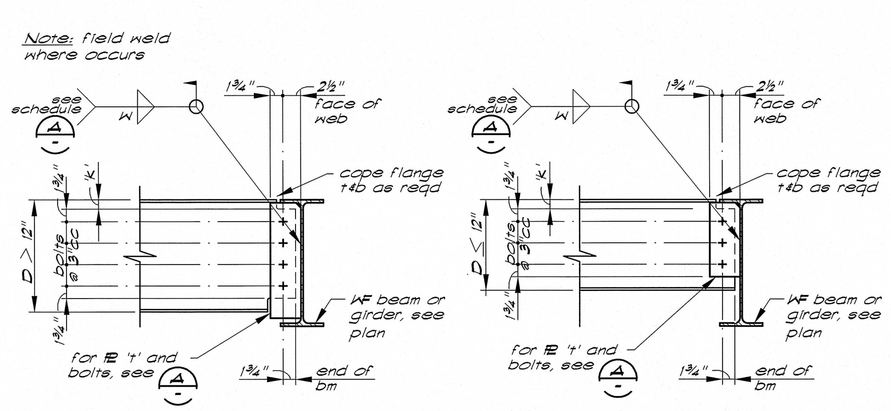
Connection Schedule (A/25.0)

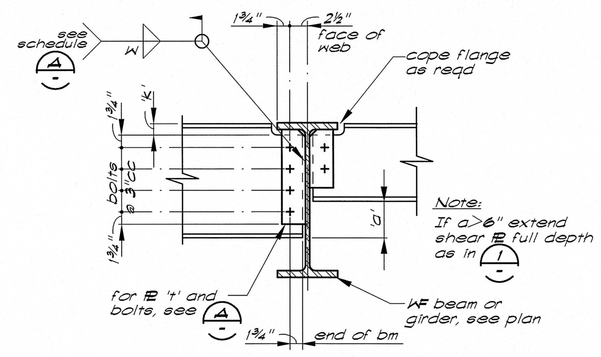
Beam Size	No. & Dia. A-325-N Bolts	Shr PL 't'	W	Max. load capacity
C8 & C10	2 - 7/8"ø	1/4"	3/16"	11.1K
W8 & W10	2 - 7/8"ø	1/4"	3/16"	11.1K
C12,W12&W14	3 - 7/8"ø	1/4"	3/16"	22.4K
W16	4 - 7/8"ø	3/8"	1/4"	35.7K
W18	5 - 7/8"ø	3/8"	1/4"	49.4K
W21	5 - 7/8"ø	3/8"	1/4"	49.4K
W24	6 - 7/8"ø	3/8"	1/4"	63.0K
W27	7 - 7/8"ø	3/8"	1/4"	76.7K
W30	8-1"ø	3/8"	5/16"	101K
W33	9-1"ø	1/2"	3/8"	119K
W36	10-1"ø	5/8"	3/8"	158K

1. This schedule applies to non-frame connections, typical.



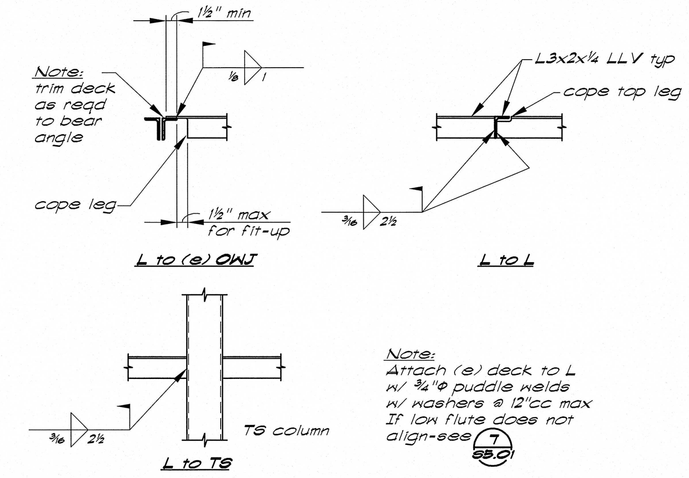
Note: Contractor may use horizontal short slotted holes for these connections only. The short slotted holes shall be in the beam web with hardened washers provided over the slots.

Detail (1/25.0)
S1202001-12
Beam to Beam - one side

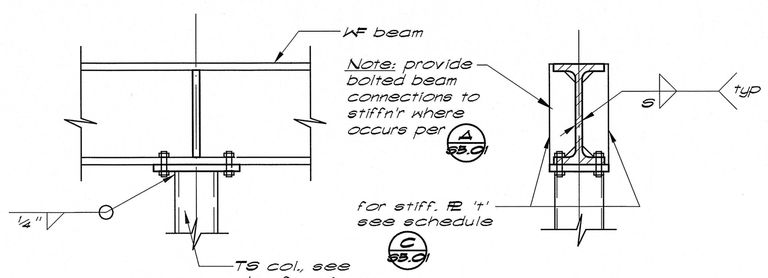


Note: Contractor may use horizontal short slotted holes for these connections only. The short slotted holes shall be in the beam web with hardened washers provided over the slots.

Detail (2/25.0)
S1202011-12
Beam to beam - two sides



Detail (3/25.0) — 1"=1'-0"



Detail (4/25.0)

(C/25.0) Cap PL & Base PL Schedule

TS Col. Size	stiff. PL 't'*	Weld s	Cap PL or Base PL 'A'	'B'	'C'
4" ▭	½"	¼"	12"	5"	¾"
5" ▭	⅝"	¼"	13"	6"	¾"
7" ▭	¾"	¼"	15"	8"	1"
8" ▭	1"	5/16"	16"	9"	1¼"
10" ▭	1¼"	5/16"	18"	11"	1½"

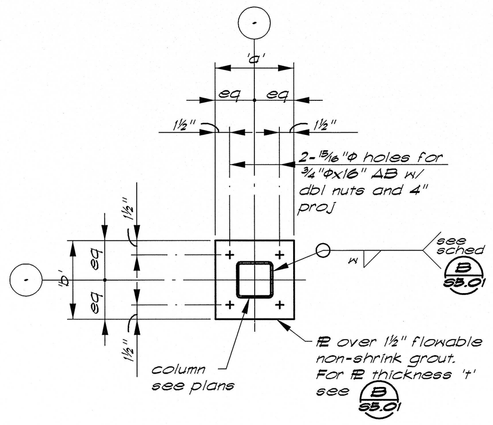
* use PL 't' for largest tube col. @ connection

Base Plate Schedule (B/25.0)

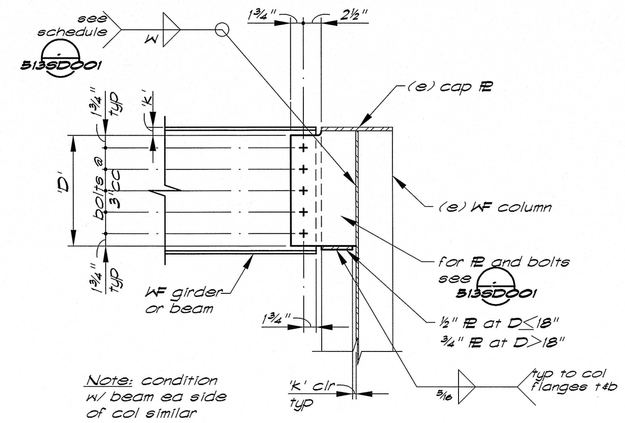
Column Size	Base Plate Size 't'	'a'	'b'	'c'	'd'	'e'
3x3	⅝"	9"	9"	3½"	2"	7"
4x4	⅝"	10"	10"	5"	2½"	7½"
5x5	1"	11"	11"	5½"	3"	8"
6x6	1"	12"	12"	7"	3½"	8½"
7x7	1¼"	13"	13"	8"	4"	9"
8x8	1¼"	14"	14"	9"	4½"	9½"
10x10	1½"	16"	16"	11"	5½"	10½"
12x12	1½"	18"	18"	13"	6½"	11½"

Notes:
1. Weld 'w' shall be ¼" at base plates ¾" and less, 5/16" at base plates greater than ¾".

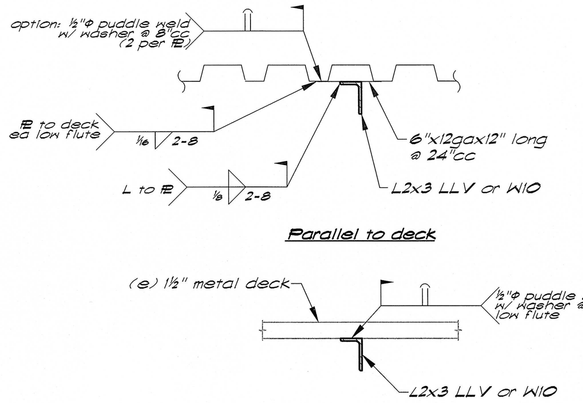
S1202001-1



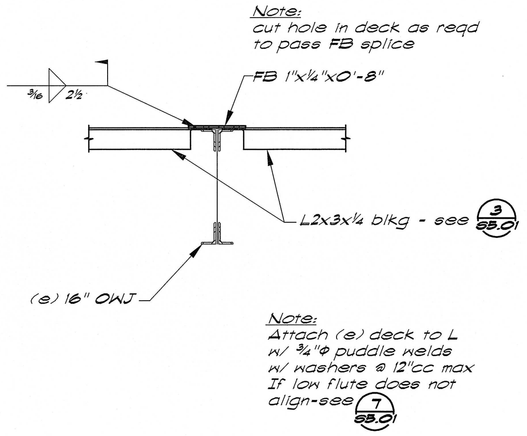
Detail (5/25.0)
S1202002-12



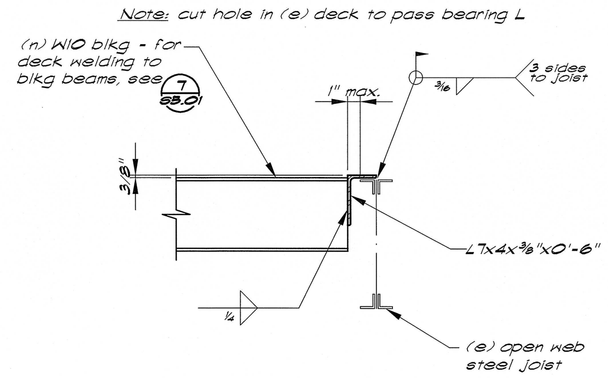
Detail (6/25.0)
S1202005-12
Beam to column web - roof



Detail (7/25.0) — 1½"=1'-0"



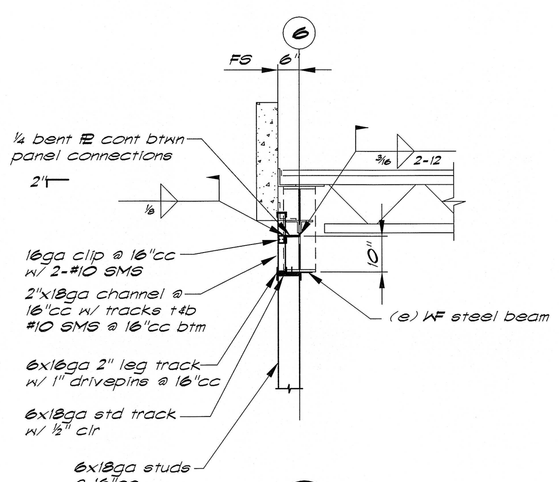
Detail (9/25.0) — 1"=1'-0"



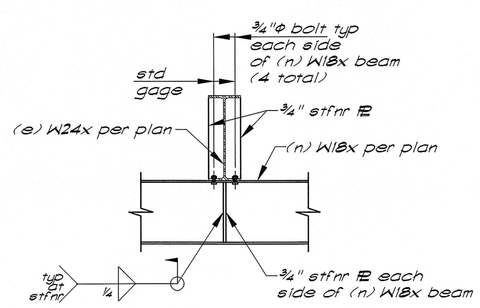
Detail (11/25.0) — 1"=1'-0"

Detail (8/25.0) — NOT USED

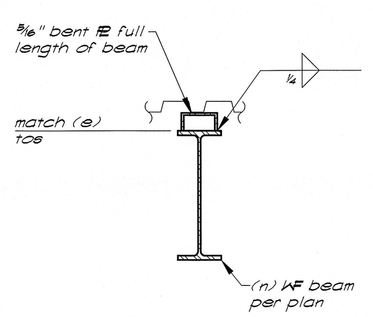
Detail (10/25.0) — NOT USED



Detail (12/25.0) — ½"=1'-0"



Detail (13/25.0) — ½"=1'-0"



Detail (14/25.0) — 1"=1'-0"

SCALE: 3/4"=1'-0" | 1/2"=1'-0" | 1/4"=1'-0" | 1/8"=1'-0"

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BLDG 650

Revisions:	Drawing Title: DETAILS	Project Title: BLDG 650 REPLACE AIR HANDLERS 1 THRU 4, 7 AND 9 - 15	Date: 08/25/08
			Project No.: 612A4-07-342
Approved:	Approved: Medical Center Director	Drawn: KYM	Building Number:
Approved:	Approved: Chief, Engineering Service	Checked: DAC	Location: MATHER VAMC MATHER CALIFORNIA
			DRAWING No. S5.01 Dwg. Of

Department of Veterans Affairs

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