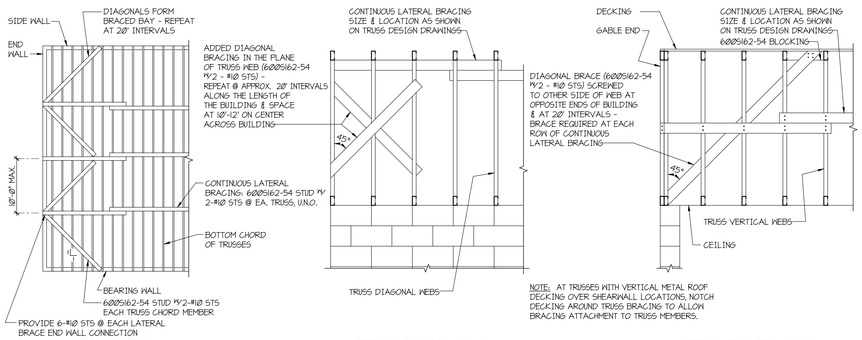


PERMANENT BOTTOM CHORD BRACING

PERMANENT BRACING FOR DIAGONAL WEBS

PERMANENT BRACING FOR VERTICAL WEBS

PERMANENT LATERAL BRACING FOR COLD FORMED ROOF TRUSSES — NTS — 12

COLD FORMED METAL FRAMING LEGEND

(DESIGNATIONS PER 1996 AISI SPECIFICATION FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS)

STRUCTURAL MEMBER EXAMPLE

3625162 - 43
362 = MEMBER DEPTH
5 = STUD DESIGNATION (T = TRACK DESIGNATION)
162 = FLANGE WIDTH
43 = MEMBER GAUGE

MEMBER DEPTH KEY

162 = 1 5/8"	800 = 8"
250 = 2 1/2"	925 = 9 1/4"
362 = 3 5/8"	1000 = 10"
400 = 4"	1150 = 11 1/2"
550 = 5 1/2"	1200 = 12"
600 = 6"	1350 = 13 1/2"
725 = 7 1/4"	1400 = 14"

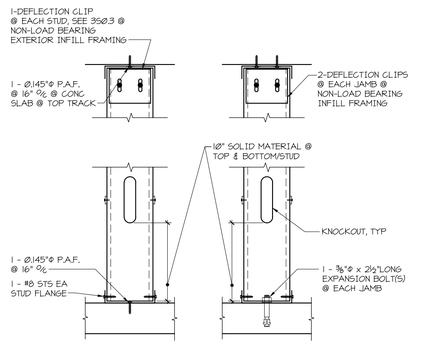
FLANGE WIDTH KEY

125 = 1 1/4"	200 = 2"
137 = 1 3/8"	250 = 2 1/2"
162 = 1 5/8"	

MEMBER GAUGE KEY

27 = 22 GA.	54 = 16 GA.
33 = 20 GA.	68 = 14 GA.
43 = 18 GA.	97 = 12 GA.

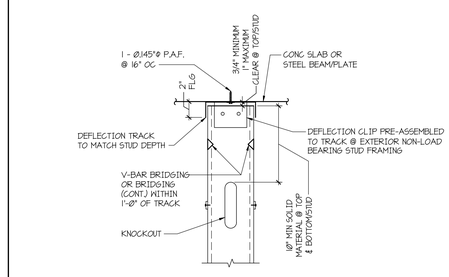
COLD FORMED MTL FRMG LEGEND — NTS — 9



TYPICAL CONNECTION @ FRAMING

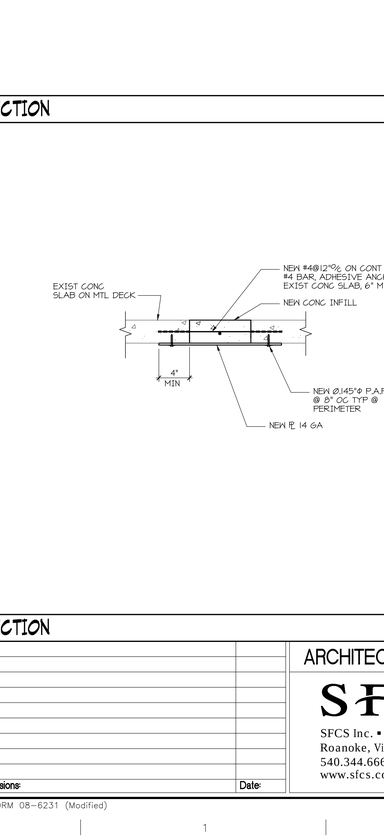
TYPICAL CONNECTION @ EXTERIOR WALL JAMB

TYP STUD & JAMB STUD CONNECTIONS — NTS — 6



TYPICAL DEEP LEG DEFLECTION TRACK

TYP DEFLECTION TRACK DETAIL — NTS — 3



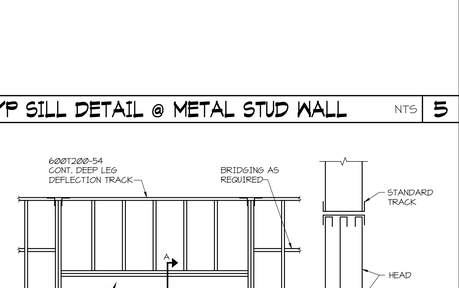
SECTION — NTS — 14

COLD FORMED METAL OPENING FRAMING SCHEDULE AT EXTERIOR NON-LOAD BEARING INFILL WALLS

WALL DEPTH	OPENING WIDTH	JAMB	HEAD	SILL
6"	Ø to 4'-0"	1 - 600S*-* JACK 1 - 600S*-* FULL HEIGHT	2 - 362S162 - 43 2 - 600T125 - 54	1 - 600T125 - 54
6"	4'-1" to 8'-0"	1 - 600S*-* JACK 2 - 600S*-* FULL HEIGHT	2 - 600S162 - 54 2 - 600T125 - 54	1 - 600S162 - 43 2 - 600T125 -54

NOTE:
1. ALL HEADERS SHALL BE AS NOTED ABOVE, UNLESS NOTED OTHERWISE ON PLANS.
2. ALL HEADERS REQUIRE WEB STIFFENERS AT BEARING POINTS.
3. SEE 950.3 FOR COLD FORMED METAL FRAMING LEGEND.
4. ALL HEADERS ARE DESIGNED TO SUPPORT WALL HEIGHT ONLY.
5. * - STUD FLANGE WIDTH AND THICKNESS SHALL MATCH ADJACENT WALL STUDS.

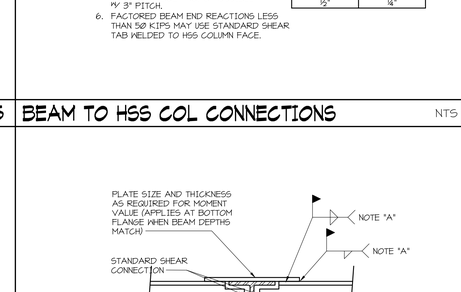
NON-LOAD BEARING WALL OPENING SCHED — NTS — 11



NOTES:

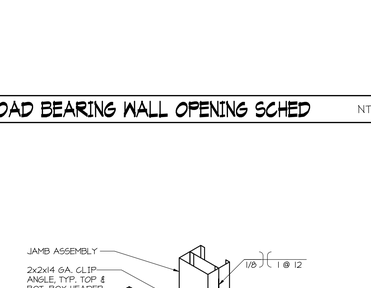
1. CONTRACTOR COORDINATE VERTICAL LOCATION OF BRIDGING TO AVOID INTERFERANCE WITH MECHANICAL, ELECTRICAL OR PLUMBING COMPONENTS, BUT NOT TO EXCEED MAXIMUM VERTICAL SPACING NOTED ABOVE.

TYP BRIDGING @ METAL STUD WALL — NTS — 8

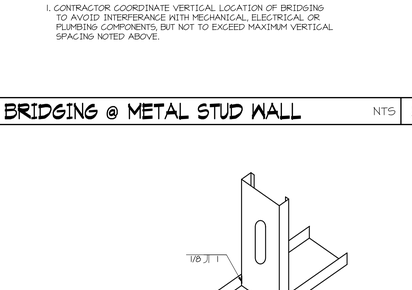


TYP SILL DETAIL @ METAL STUD WALL — NTS — 5

SECTION — NTS — 13



TYPICAL BOX HEADER DETAIL — NTS — 10



TYP STUD-TRACK CONN @ STUD WALL — NTS — 7

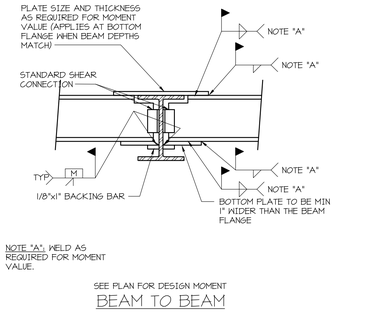
TYP HEADER DETAIL — NTS — 4

NOTES:

1. CONNECTION PL⅜ MINIMUM.
2. SLOT TUBE FROM TOP DOWN FOR CONNECTION PL ASSEMBLY.
3. WELD SLOT IN TS COLUMN CLOSED.
4. CAP COLUMN W/ PL¼.
5. BEAMS SHALL HAVE THE MAXIMUM NUMBER OF BOLT ROWS POSSIBLE W/ 3" PITCH.
6. FACTORED BEAM END REACTIONS LESS THAN 50 KIPS MAY USE STANDARD SHEAR TAB WELDED TO HSS COLUMN FACE.

CONNECTION PLATE TO GOL WALL WELD SIZE	
COLUMN WALL THICKNESS	MAXIMUM FILLET WELD SIZE
3/16"	5/16"
¼"	¼"
5/16"	¼"
⅜"	¼"
½"	¼"

BEAM TO HSS COL CONNECTIONS — NTS — 2



NOTE "A": WELD AS REQUIRED FOR MOMENT VALUE.

SEE PLAN FOR DESIGN MOMENT

BEAM TO BEAM

TYP MOMENT CONN BEAM TO BEAM — NTS — 1

Revisions:	Date:

ARCHITECT/ENGINEERS:

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COMMONWEALTH OF VIRGINIA — TYE A. CAMPBELL — 027441 — 10/31/13 — PROFESSIONAL ENGINEER

Approved: Energy Engineer	Approved: Infection Control	Approved: Service Chief
CONSTRUCTION DOCUMENTS	Approved: Safety Manager	Approved: Chief of Staff
	Approved: GEMS Coordinator	Approved: Associate Director

Drawing Title: TYPICAL DETAILS AND SCHEDULES	Project Title: Patient Dining Area CLC VA Medical Center SFCS Commission Number: 6527.00	Project Number: 658-307	Office of Construction and Facilities Management
Approved: Chief of Facility Management Services	Location: Salem, Virginia	Building Number(s): 2/2A	
Approved: Medical Center Director	Date: 03/15/12 / Checked: CMF / Drawn: PJW	Drawing Number: S0.3 Dwg. 36 of 65	Department of Veterans Affairs

VA FORM 08-6231 (Modified)

9/20/11 10:35 A.M.