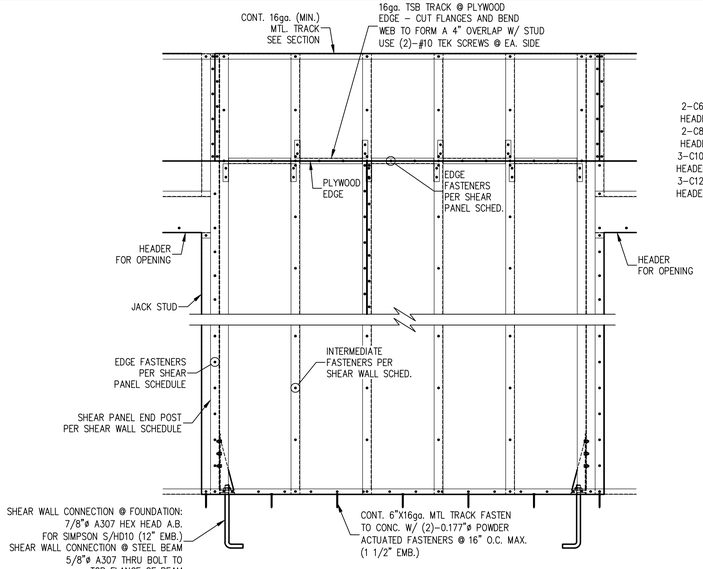
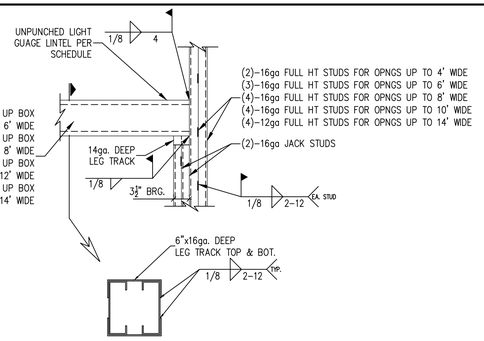


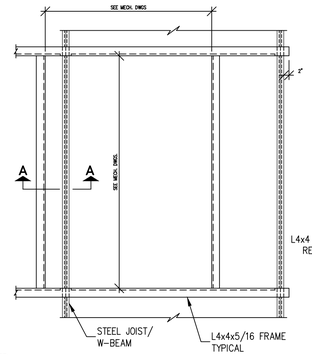
TYPICAL METAL STUD SHEAR PANEL DETAIL

N.T.S.



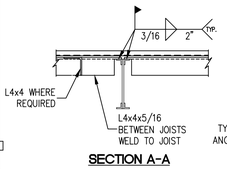
TYPICAL LINTEL DETAIL @ METAL STUD WALL

N.T.S.

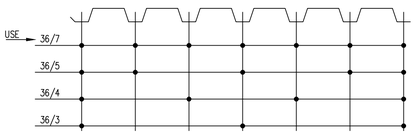


TYPICAL ROOF TOP UNIT FRAMING

N.T.S.

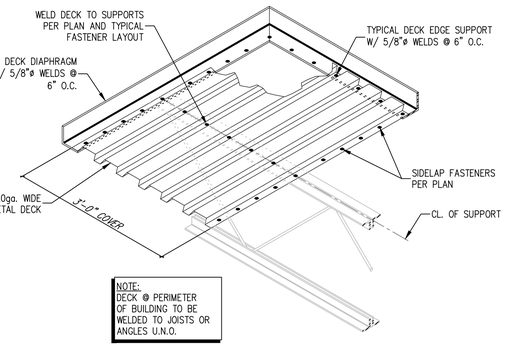


SECTION A-A



TYPICAL FASTENER LAYOUT

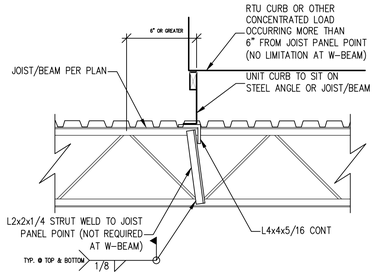
N.T.S.



NOTE:
DECK @ PERIMETER OF BUILDING TO BE WELDED TO JOISTS OR ANGLES U.N.O.

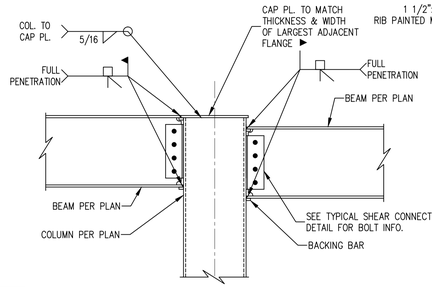
TYPICAL DECK WELDING (U.N.O.)

N.T.S.



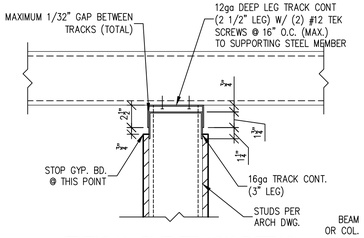
TYPICAL RTU REINFORCING DETAIL

N.T.S.



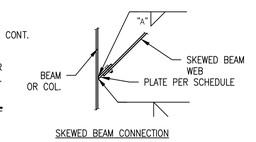
TYPICAL MOMENT CONNECTION AT ROOF AT HSS OR PIPE COLUMN

N.T.S.

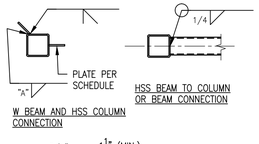


TYPICAL SLIP TRACK DETAIL

N.T.S.

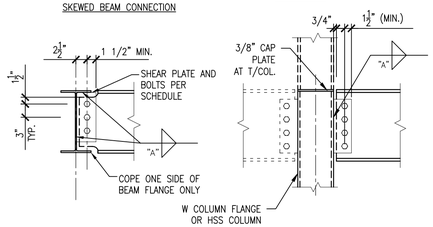


SKEWED BEAM CONNECTION



W BEAM AND HSS COLUMN CONNECTION

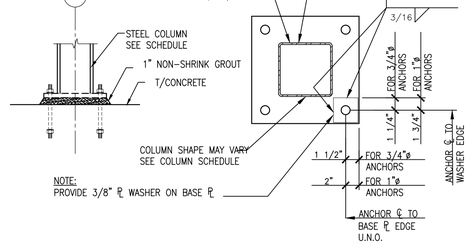
HSS BEAM TO COLUMN OR BEAM CONNECTION



BEAM SIZE	ROWS & SIZE OF H.S. A325–N BOLTS	PLATE THICKNESS	PLATE WELD "A"
W8 / W10	2 – 3/4" ø	5/16"	1/4"
W12 / W14	3 – 3/4" ø	5/16"	1/4"
W16	4 – 3/4" ø	3/8"	5/16"
W18	5 – 3/4" ø	3/8"	5/16"

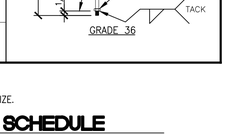
NOTE:
1. USE STANDARD HOLE AT ALL BEAM CONNECTIONS.
2. PROVIDE 3/8" CAP PLATE W/ 3/16" FILLET WELD ALL AROUND AT TOP OF COLUMN.

TYPICAL BEAM SHEAR CONNECTION



NOTE:
PROVIDE 3/8" ¢ WASHER ON BASE ¢

SCHEDULE FOR F1554 ANCHORS				
ANCHOR SIZE	BASE ¢ HOLE ø	"L" GRADES 36 & 55	"L" GRADES 105	
3/4" ø	1 5/16"	9"		
1" ø	1 13/16"	1'–0"		



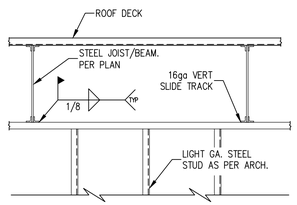
1. ALL NUTS SHALL BE HEAVY HEX NUTS.
2. SEE COLUMN SCHEDULE FOR BASE PLATE SIZE.

ANCHOR BOLT SCHEDULE

SHEAR PANEL SCHEDULE

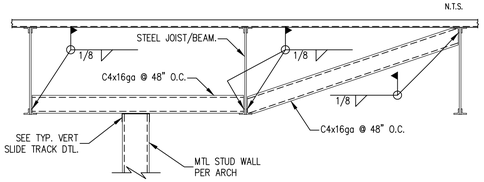
MARK	MATERIAL	EDGE NAILING	INTERMEDIATE NAILING	END POST	SIMPSON HOLDOWN	SILL NAILING	SILL BOLTS
SP1	1/2" PLYWOOD/OSB EXTERIOR SIDE	#10 TEK @ 6" O.C.	#10 TEK @ 12" O.C.	(2)–MTL. STUDS BACK TO BACK WELD TOGETHER	S/HD10	–	–

NOTES:
1. ABOVE MATERIALS INDICATE MINIMUM SHEATHING REQUIRED FOR STRUCTURAL INTEGRITY SEE ARCH. WALL SCHEDULE FOR ADDITIONAL REQUIREMENTS.
2. PLYWOOD SHEATHING TO BE STRUCTURAL II GRADE, APPLIED WITH FACE GRAIN ACROSS STUDS.
3. PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS
4. SEE TYPICAL SHEAR PANEL DETAIL ON SHEET S1.2 FOR REFERENCE.
5. SEE TYPICAL HOLDOWN DETAIL ON SHEET S1.2 FOR INSTALLATION OF HOLDOWNS.



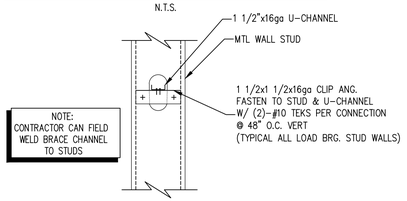
TYPICAL STEEL STUD PARTITION WALL SUPPORT DETAIL I

N.T.S.



TYPICAL STEEL STUD PARTITION WALL SUPPORT DETAIL II

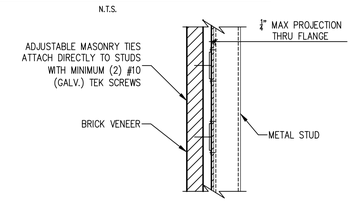
N.T.S.



NOTE:
CONTRACTOR CAN FIELD WELD BRACE CHANNEL TO STUDS

TYPICAL MTL STUD BRACE CHANNEL

N.T.S.



TYPICAL BRICK VENEER TIE TO MTL STUD

N.T.S.

NOTE:
THE STRUCTURAL DRAWINGS ARE NOT A SET OF STAND–ALONE CONSTRUCTION DOCUMENTS. THESE STRUCTURAL DRAWINGS MUST ONLY BE USED IN CONJUNCTION WITH ARCHITECTURAL AND OTHER RELATED DISCIPLINES DRAWINGS. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND CO–ORDINATE BETWEEN THE STRUCTURAL, ARCHITECTURAL, AND OTHER DISCIPLINES DRAWINGS. ANY DISCREPANCY BETWEEN THE DRAWINGS MUST BE BROUGHT TO THE ARCHITECT AND ENGINEERS ATTENTION FOR RESOLUTION PRIOR TO FABRICATION OR CONSTRUCTING THAT PORTION OF THE STRUCTURE.

NOTE:
THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION INCLUDING TECHNIQUES OF FABRICATION AND SAFETY AT THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF ALL TEMPORARY SHORING, BRACING, BOLTING, WELDING, LUGS, SEAT ANGLES, ETC. TO SAFELY CONSTRUCT THE PROJECT. THE CONTRACTOR IS TO COORDINATE BETWEEN ARCHITECTURAL, STRUCTURAL AND OTHER DISCIPLINES' DRAWINGS AND TO BRING ANY DISCREPANCY TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO GOING AHEAD WITH CONSTRUCTION OF THAT SECTION.

NOTE:
CONTRACTORS TO COMPLY WITH ALL GOVERNING REGULATIONS AND REQUIREMENTS INCLUDING OSHA REGULATIONS 29 CFR PART 1926 FOR CONSTRUCTION INDUSTRY.

CONTRACT DOCUMENTS

Revisions	Date

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Drawing Title: TYPICAL DETAILS

Approved Project Director:

Project Title: CONSTRUCT NEW DIETETICS
DEPARTMENT OF VETERAN AFFAIRS MEDICAL CENTER

Location: 2401 WEST MAIN STREET, MARION, IL 62959

Date: 1-29-2016 Checked: G.C. Drawn:

Project Number: 657A5-10-101
Building Number: Building #2
Drawing Number: S1.3
Dwg. 3 of 11

Office of Construction and Facilities Management
Department of Veterans Affairs

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