

Subject: Column Splice

Attachments: [DDE3FDBB-A1C9-43B8-8EDE-7401D9ED09BA.png](#)
[56A0DD7D-EDA4-47F2-AED1-09C252AF31ED.png](#)

Column Splice

Sunday, September 10, 2023
5:01 PM

AutoRecovery On

File View Select Connection Design Utilities

Joint Cursor Select Joints Select Connections Basic Connection Smart Connection Gusset Connection Identify Beam and Girder Seismic Frame Connection Report Connection Data

Assign Connections Connections Results Seismic Frames

CSS_R0 - Whole Structure

Smart Connections

Ram Connection

Design Code: AISC 360-16 (ASD) Design connections individually

Design Options Consider Seismic Provision

Acting gravity Load Combination for Earthquake:

Base Plate Design, seismic Site Class A

EC3 Design Options National annexes Configuration

End Plate CS HSS (Rectangular Hollow Section, End Plate Column Splice)

Available: EndPlate_CS_HSS

Selected:

OK Cancel Help

CSS_R0 - RAM Connection Input

Conn. No.	Connections	Template	Description	Ratio
1	CS - N(11) - M EndPlate_CS_HSS		End plate Shear and moment connection	0.12
2	CS - N(12) - M EndPlate_CS_HSS		End plate Shear and moment connection	0.17
3	CS - N(13) - M EndPlate_CS_HSS		End plate Shear and moment connection	0.17
4	CS - N(14) - M EndPlate_CS_HSS		End plate Shear and moment connection	0.22

Edit Delete

Connection Pad

General information

Analysis Loads

Design criteria Design code Corrosive influences

Construction criteria Consider hole deformation in bolts Consider sheared edges

Members General Section Material

End plate Connector tp: Thickness 6 mm Material S 275 Welding electrode E70XX D1: Weld size to end plate (1/16 in) 2 Bolts on four sides Bolts M16 G_8_8 nc: Bolt columns 3 s: Pitch - longitudinal center-to-center spacing 115 mm av: Vertical end distance 35 mm ah: Horizontal end distance 35 mm b: Distance to column 35 mm Hole type on plate STD

ID	Description	Column Avail [kN]	Load type
1	LC-101	-17.856	Design
2	LC-102	-1.63	Design
3	LC-103	-15.945	Design
4	LC-104	-0.904	Design
5	LC-105	-19.688	Design
6	LC-106	-8.408	Design
7	LC-107	-7.511	Design
8	LC-108	3.769	Design
9	LC-109	-10.088	Design
10	LC-110	-11.083	Design

Save Print Print to file Optimize Results Data Solid Lines Transparent Help 0.22

Connection Process Reports Draw options Help