ARCH 2431. Building Technology III

Building Information Modeling with Revit

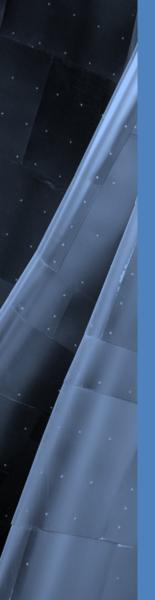
#3 Bolts, Fasteners & Videos



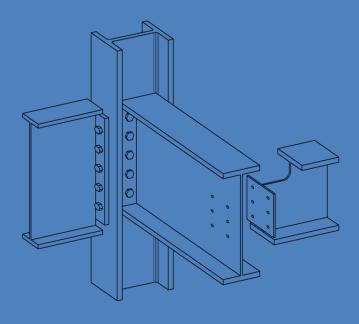
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Steel Connections Bolts and Fasteners



Prof. Paul C. King Copyright © 2013

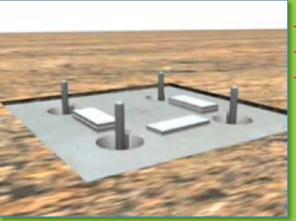
Connection Details

- Connection
- Videos
- Detail Drawings
- Photos
- Bolts & screws

Building Technology III

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Steel Column and Beam Connection Videos



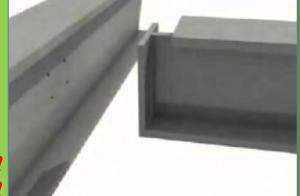
<u>Column Base</u> <u>Plate to</u> <u>Foundation</u>

Beam to Column <u>Fin Plate</u> <u>Connection</u>





Beam to Column Connection



Beam to Beam Connection

https://www.steelconstruction.info/Simple_connections#Joint_considerations

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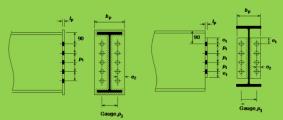
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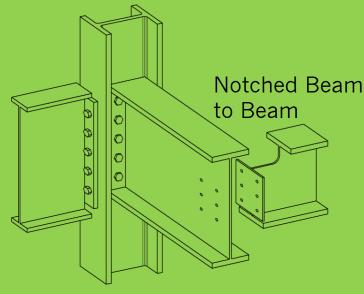
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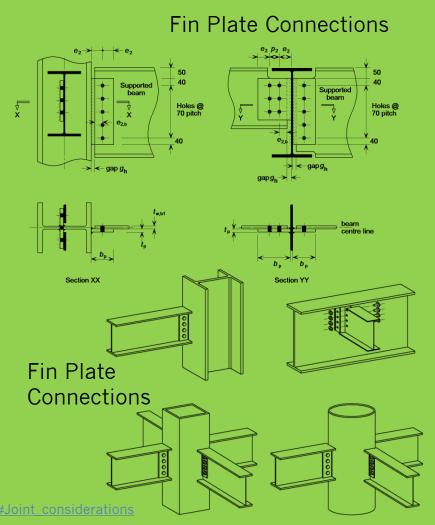
Steel Connection Drawings and Isometrics



Beam with End Plate



Beam to Column



//skyciv./om/technical/bolts-vs-welds-vs-rivets-for-steel-connections



https://amtecdesigns.com/struct/

Connection Photographs

Photos by Paul King – NYC Seaport



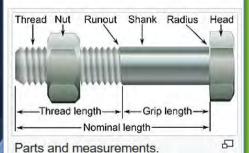
Photos by Paul King – Corning Glass





https://civil-engg-world.blogspot.com/2011/05/base-plate-for-steel-column.html





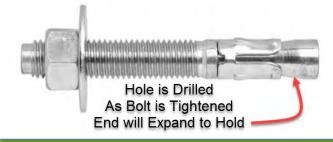
Bolts & Screws

https://en.wikipedia.org/wiki/Bolt (fastener)

Metal Fasteners by Am-Tec Designs

FASTENERS

Masonry to Concrete Anchor



https://amtecdesigns.com/struct/



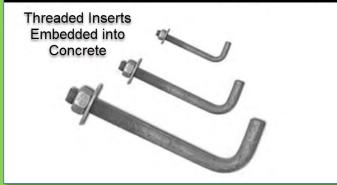
A plain washer and a spring washer are placed on a bolt between the nut (on the threaded end) and the bolt head.





Metal Fasteners by Am-Tec Designs

FASTENERS



Metal Fasteners by Am-Tec Designs

FASTENERS



https://www.globalindustrial.com/p/fasteners/Self-Tapping-Screws/hex-head/self-tapping-screw-8-x-1-12-hex-head-pkg-of-280-itw-teks174-21308

Self Taping Screw

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https://en.wikipedia.org/wiki/Washer_(hardware



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