Attachment 1
Shop & Field

General project information

Project Name – official name of the project

Project Location – location of project

Tracking Number – must match the drawing set you are working from.

Transmittal Number – must match the drawing set you are working from.

Connection System – specifies type of SidePlate connection for the project.

Version – specifies version of eSTIMATE file.

Connection Information

Connection ID – correlates with Connection IDs found in traditional Connection Schedule; these are also typically indicated on the SEOR's frame elevations. For any given job, there may be A, B, and C-type connections with various designations.

Quantity of Connection ID – total quantity of that specific Connection ID.

Connected Column – column size connected to a specific Connection ID.

Connected Beam – beam size connected to a specific Connection ID.

Beam Ends/Conn ID – number of beam ends connected to a specific Connection ID.

Total Beam Ends/Conn ID – total quantity of beams ends for that unique beam size connected to a specific connection ID.

Plate Information

Name – alpha designations for plates included in Connection ID

Description – description of specific plate included in Connection ID

Material Grade (ksi) – material grade of specific plate included in Connection ID

Thickness (in) – thickness of specific plate included in Connection ID

Length/Plate (ft) – length of specific plate included in Connection ID

Width/Plate (ft) – width of specific plate included in Connection ID

Perimeter/Plate (ft) – total perimeter length of specific plate included in Connection ID

Hole Type – type of bolt hole to be provided in specific plate as required (i.e. oversize, standard, short slot, etc.)

Hole Size (in) – corresponding bolt hole diameter

Holes/Plate – total quantity of bolt holes in a specific plate to be included in Connection ID

Weight/Plate (lb) – total weight of specific plate to be included in Connection ID

Plate Summary

Plates/Connection ID – total quantity of a specific plate to be included in Connection ID

Total Plates = Plates/Conn ID x Qty of Conn ID – total quantity of plates included for all connections with specific Connection ID

Total Weight (lb) = Total Plates x Weight/Plate – total weight for all plates included for all connections with specific Connection ID

Angle Information

Name – alpha designations for angles included in Connection ID

Description – description of specific angle included in Connection ID

Material Grade (ksi) – material grade of specific angle included in Connection ID

Size – size designation of specific angle included in Connection ID

Length/Angle (ft) – length of specific angle included in Connection ID

Hole Type – type of bolt hole to be provided in specific angle as required (i.e. oversize, standard, short slot, etc.)

Hole Size (in) – corresponding bolt hole diameter

Holes/Angle – total quantity of bolt holes in a specific angle to be included in Connection ID

Weight/Angle (lb) – total weight of specific angle to be included in Connection ID

Angle Sum

Angles/Connection ID – total quantity of a specific angle to be included in Connection ID

Total Angles = Angles/Conn ID x Qty of Conn ID – total quantity of angles included for all connections with specific Connection ID

Total Weight = Total Angles x Weight/Angle – total weight for all plates included for all connections with specific Connection ID

Weld Information

Name – numeric designations for welds included in Connection ID

Description – description of parts to be connected by specific field welds included in Connection ID

Labor – location where specific weld will be made (shop or field)

Position – weld position (Horiz, Vertical)

Type – Type of weld (fillet, PJP)

Size (in) – size of weld

Reinforcing Fillet Size on PJP (as required) – size of fillet weld ranging from 1/4”-3/8”

Length/Weld (ft) – length of specific weld as it occurs in Connection ID

Connected Part 1 Thickness (in) – dimension of thicker connected part to be welded (for determining preheat requirements)

Connected Part 2 Thickness (in) – dimension of thinner connected part to be welded (for determining preheat requirements)

Weight/Weld (lb) – total weight of specific weld rod material to be included in Connection ID

Weld Summary

Welds/Connection ID – total quantity of specific weld to be included in Connection ID

Total Length = Length/Weld x Welds/Conn ID (ft) – total length of all specific weld to be included in specific Connection ID

Connection ID Total Length = Qty of Conn ID x Length/Weld x Welds/Conn ID (ft) – total length of all specific welds to be included in all specific Connection ID

Total Welds = Welds/Conn ID x Qty of Conn ID – total quantity of all specific weld to be included in all specific Connection ID

Total Weight = Total Welds x Weight/Weld (lb) – total weight of all specific weld to be included in all specific Connection ID

Bolt Information

Bolt Diameter – diameter of specific bolt

Description – description of what parts specific bolt is used to connect in the Connection ID

Length/Bolt (in) – length of specific bolt

ASTM – grade of specific bolt

Threads Included – indicates whether threads are to be iNcluded or eXcluded from shear plane

Required Installation Condition – designates required installation (Snug Tight or Pretensioned)

Class A or Class B Surface Preparation – Class A is typically required for SidePlate Bolted Configurations

Bolt Sum

Bolts/Connection – total quantity of specific bolt

Total Bolts = Bolts/Conn x Qty of Conn ID – total quantity of specific bolt in all specific Connection IDs

Connection Summary (for quick reference and for material procurement confirmation)

Connection ID – identification of Connection ID

Quantity of Connection ID – total quantity of Connection ID (same as Column B)

Total Beam Ends/Conn ID – total quantity of beam ends for Connection ID (same as Column F)

Connected Beam List – quick reference of beam connection to column for specific Connection ID

Plate Information (for quick reference)

ASTM – material specification for plate

Material Grade (ksi) – grade of plate required

Thickness (in) – thickness of plate required for specific material spec/grade

Total Qty – total quantity of plate required for specific material spec/grade

Total Length (ft) – total length of plate required for specific material spec/grade

Total Width (ft) – total width of plate required for specific material spec/grade

Total Weight (lb) – total weight of plate for specific material spec/grade

Angle Information (for quick reference)

ASTM – material specification for angle

Material Grade (ksi) – grade of angle required

Size – size of angle required for specific material spec/grade

Total Qty – total quantity of angle required for specific material spec/grade

Total Length (ft) – total length of angle required for specific material spec/grade

Total Weight (lb) – total weight of angle for specific material spec/grade

Shop Weld Information (for quick reference)

Labor – location where weld will be made (SHOP)

Position – position of weld (horizontal or vertical)

Type – type of weld (fillet or PJP)

Size (in) – size of weld

Total Length (ft) – total length for specific size of weld

Total Weight (lb) – total weight for specific size of weld

Field Weld Information

Labor – location where weld will be made (FIELD)

Position – position of weld (horizontal or vertical)

Type – type of weld (fillet or PJP)

Size (in) – size of weld

Total Length (ft) – total length for specific size of weld

Total Weight (lb) – total weight for specific size of weld

Bolt Information (for quick reference)

Grade – designated grade of bolt

Bolt Diameter – bolt diameter of designated grade of bolt

Length/Bolt (in) – required length for designated grade of bolt

Total Bolts – total quantity of bolt for designated grade/length