STRENGTHENING EXISTING BEAMS

Note: This drawing is not to scale. Follow dimensions.

Fabricated Structural Steel shall be ASTM A709 Grade 36, except as noted.

Notch toughness is required for all cover plates.

Contractor shall verify all dimensions in field before finalizing the shop drawings.

STRENGTHENING EXISTING BEAMS

Cover plate installation:
- Use Type 3 for weathering steel bolted connections.
- Use Type 1 for plain or galvanized steel bolted connections.

Standard Drawing Guidance (do not show on plans):
1. Drill holes in cover plate and flange.
2. Clean faying surfaces. (See Special Provisions)
3. Install and tighten bolts.
4. Weld cover plate to flange.

Material:
- 15/16"Ø holes for 7/8"Ø ASTM F3125 Grade A325 Type 3 Bolts (Typ.)

Payment for ___ pounds of new cover plates complete in place will be considered completely covered by the contract lump sum price for Strengthening Existing Beams.