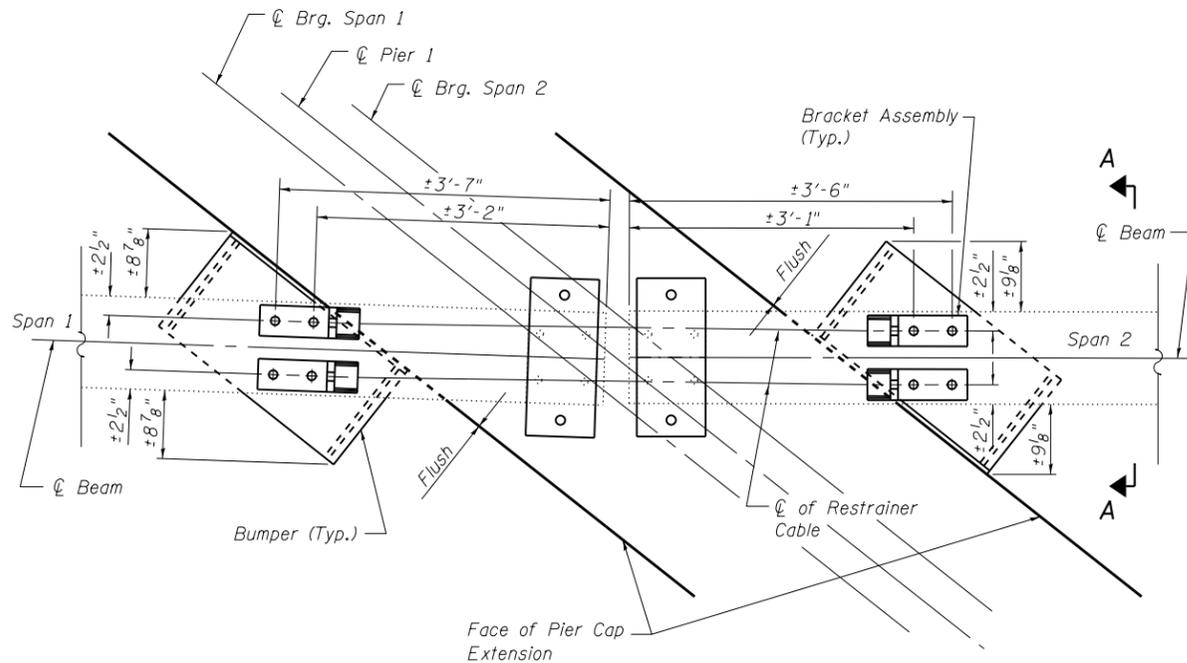


Note:
The backing off of the nut in step 5 of Cable Restrainer Unit Installation Procedure on sheet 11 of 28 should be omitted at Pier 1.
The disc springs should be fully compressed during installation at Pier 1, Span 1. See sheet 23 of 28 for Pier 1 Cap Extension Details.

**RESTRAINER
INDICATOR END**

**RESTRAINER
BOLTED END**

PIER 1 PLAN
(Beam 6)
(1 Required)



**RESTRAINER
INDICATOR END**

**RESTRAINER
BOLTED END**

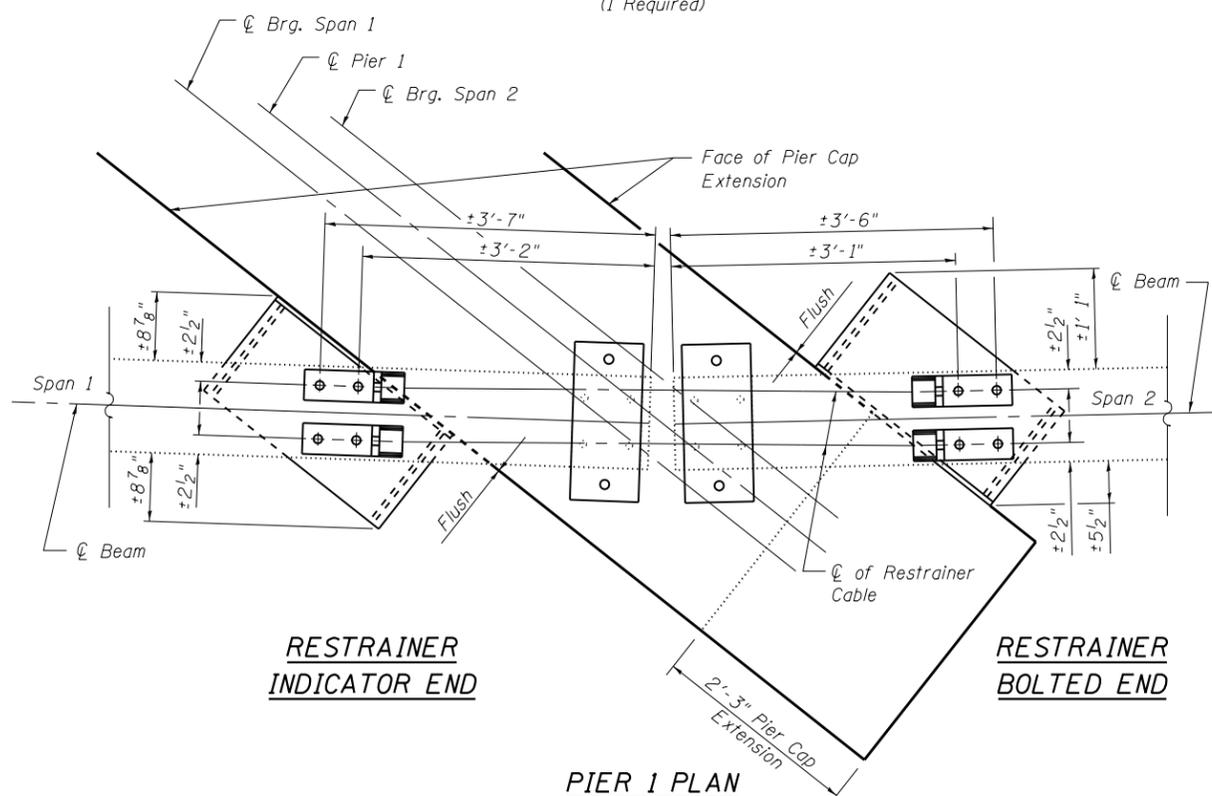
PIER 1 PLAN
(Beams 2-5)
(4 Required)

* Existing beam flanges and bumpers shall be field drilled. The holes shall be subdrilled to 1" diameter and reamed to 1 1/8" diameter.

Ambient Temperature	Gap
T < 50°F	3/4" - ΔTemp
T = 50°F	3/4"
T > 50°F	3/4" + ΔTemp

ΔTemp = 1/32" for every ±10°F (Typ.)

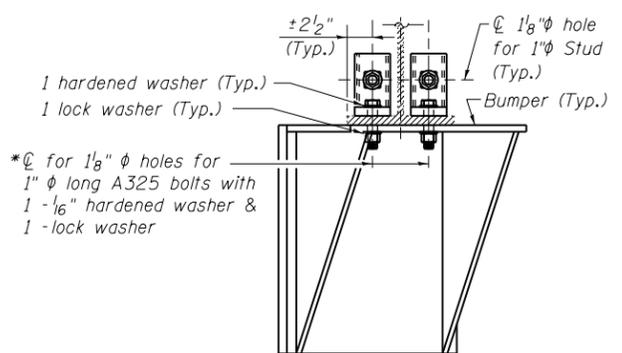
EXPANSION TABLE



**RESTRAINER
INDICATOR END**

**RESTRAINER
BOLTED END**

PIER 1 PLAN
(Beam 1)
(1 Required)



SECTION A-A
Bumper shown on skew

Notes:
For General Elevation Views of Seismic Restrainers, see Sections B-B and C-C on Sheet 3 of 28.
Seismic Restrainer shall be placed on each beam line.
One hardened washer and one lock washer are required for each set of oversized holes.
Bumpers shall be paid for as Furnishing and Erecting Structural Steel.

BILL OF MATERIAL

Item	Unit	Total
Furnishing & Erecting Structural Steel	Pound	6930
Seismic Restrainer	Each	12