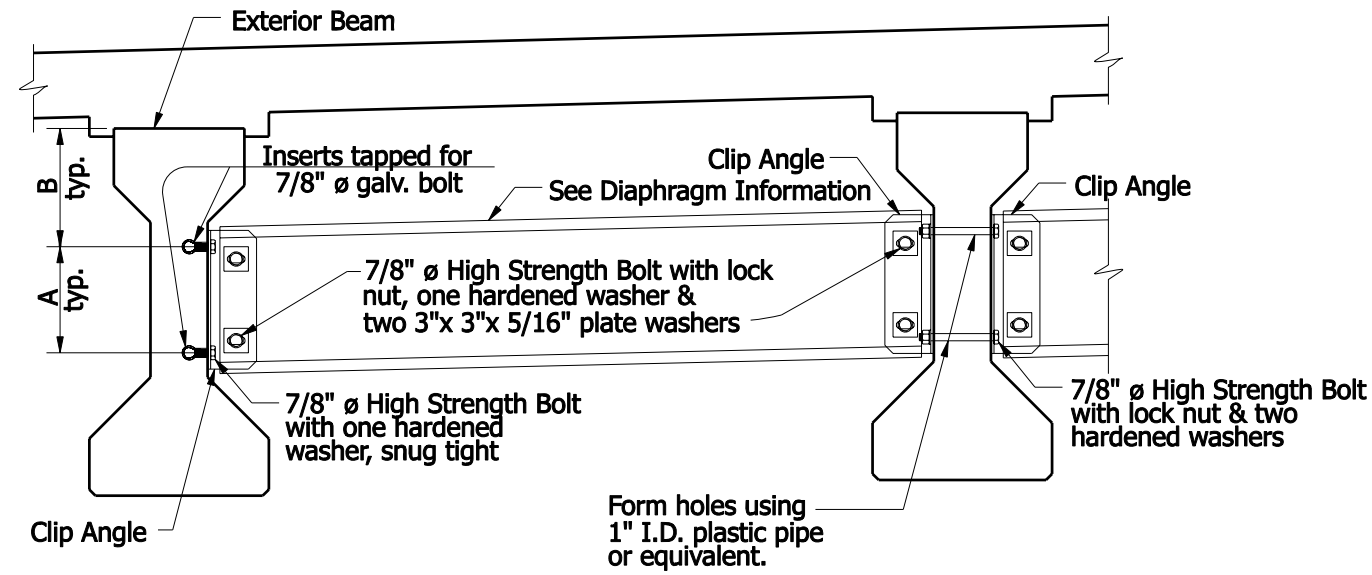
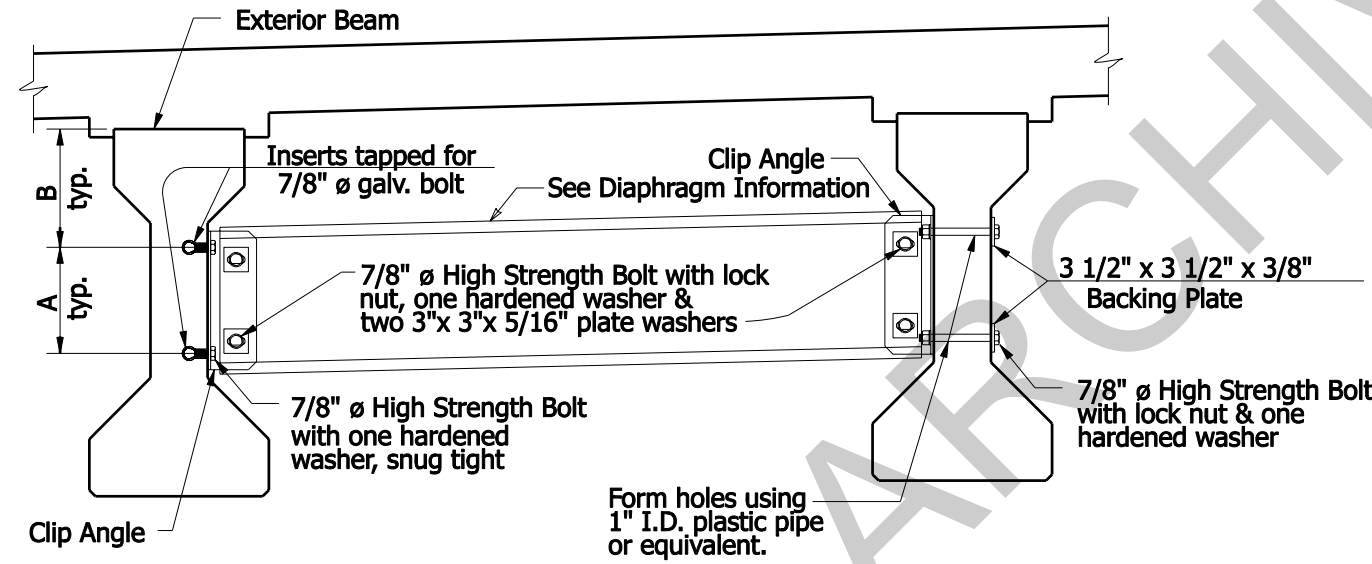




**INTERMEDIATE DIAPHRAGM**  
*Typical for Square Structure*



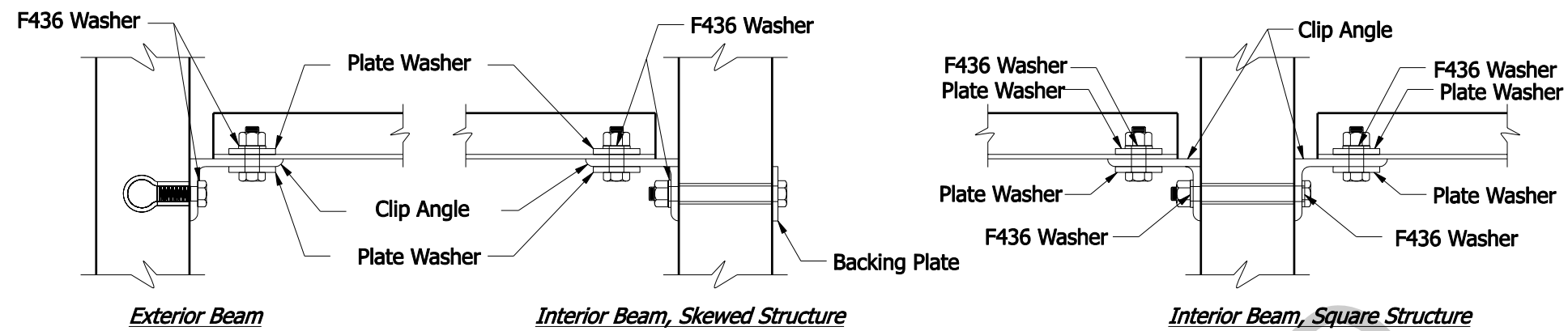
**INTERMEDIATE DIAPHRAGM**  
*Typical for Skewed Structure*

| Diaphragm Information |           |           |       |     |        |    |              |
|-----------------------|-----------|-----------|-------|-----|--------|----|--------------|
| Beam Type             | Dimension |           |       |     |        |    | Channel Type |
|                       | A         | B         | C     | D   | E      | F  |              |
| Type II               | 9"        | 1'-0"     | 1'-1" | 6"  | 3 1/2" | 3" | C 12 x 20.7  |
| Type III              | 1'-1"     | 1'-2 1/2" | 1'-5" | 10" | 3 1/2" | 4" | MC 18 x 42.7 |
| Type IV               | 1'-4"     | 1'-5 1/2" | 1'-8" | 10" | 5"     | 4" | MC 18 x 42.7 |

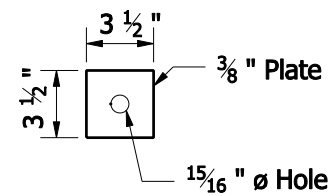
**NOTES:**

1. See Recurring Drawing E 707-B-173d 2 of 6 for connection details.

|                                      |
|--------------------------------------|
| INDIANA DEPARTMENT OF TRANSPORTATION |
| STEEL DIAPHRAGMS<br>AASHTO I-BEAMS   |

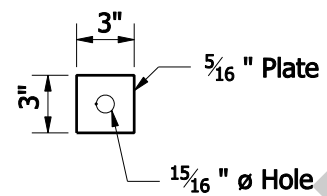


### CONNECTION DETAILS

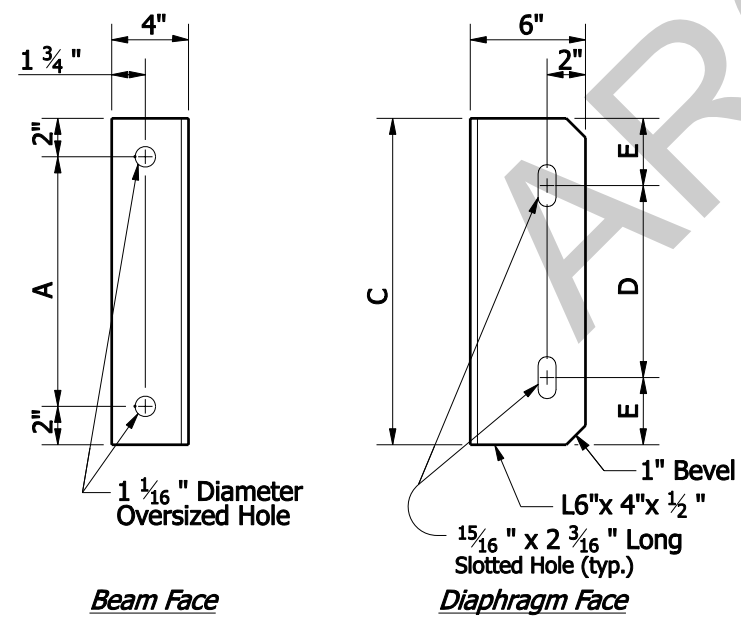


### BACKING PLATE

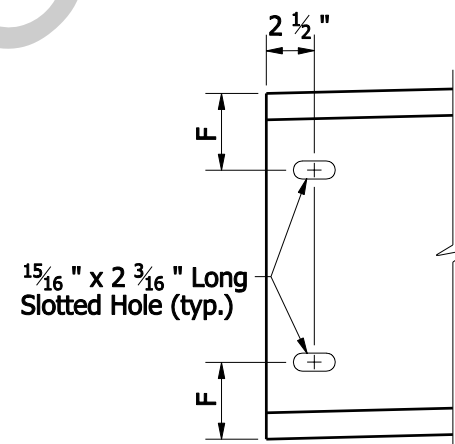
Skewed Structure Only



### PLATE WASHER



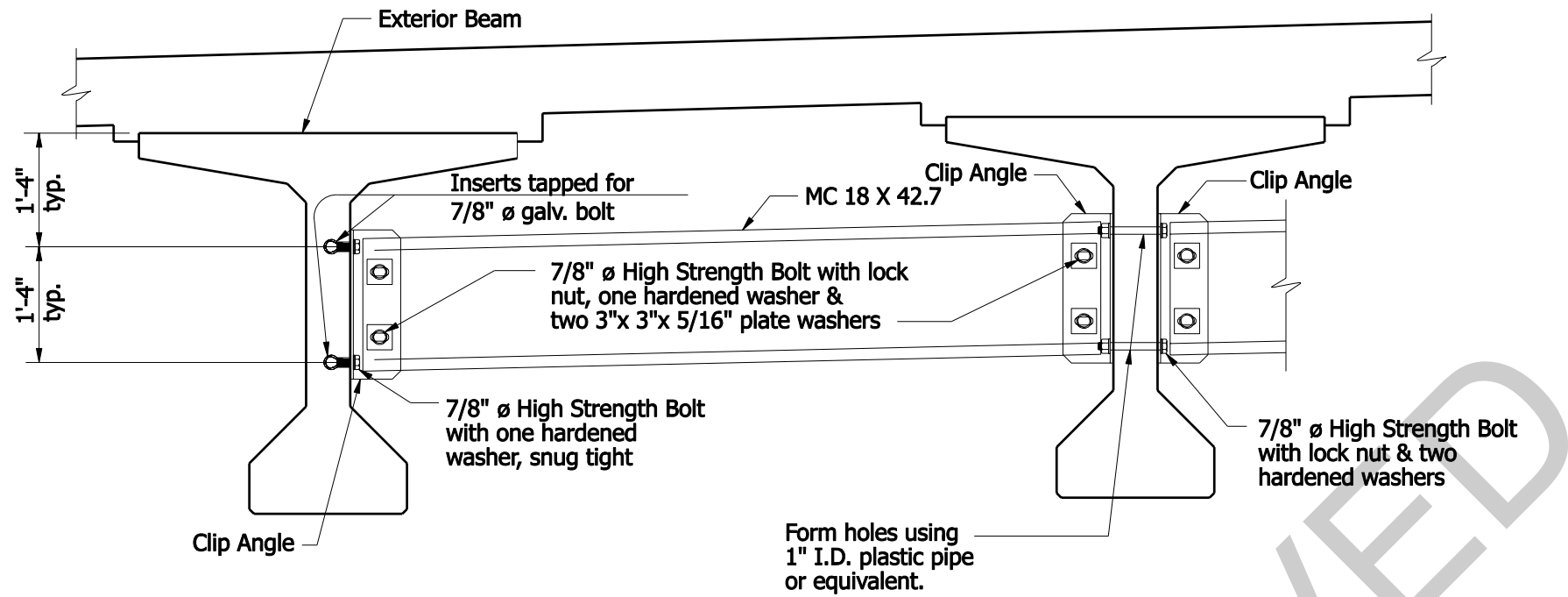
### CLIP ANGLE



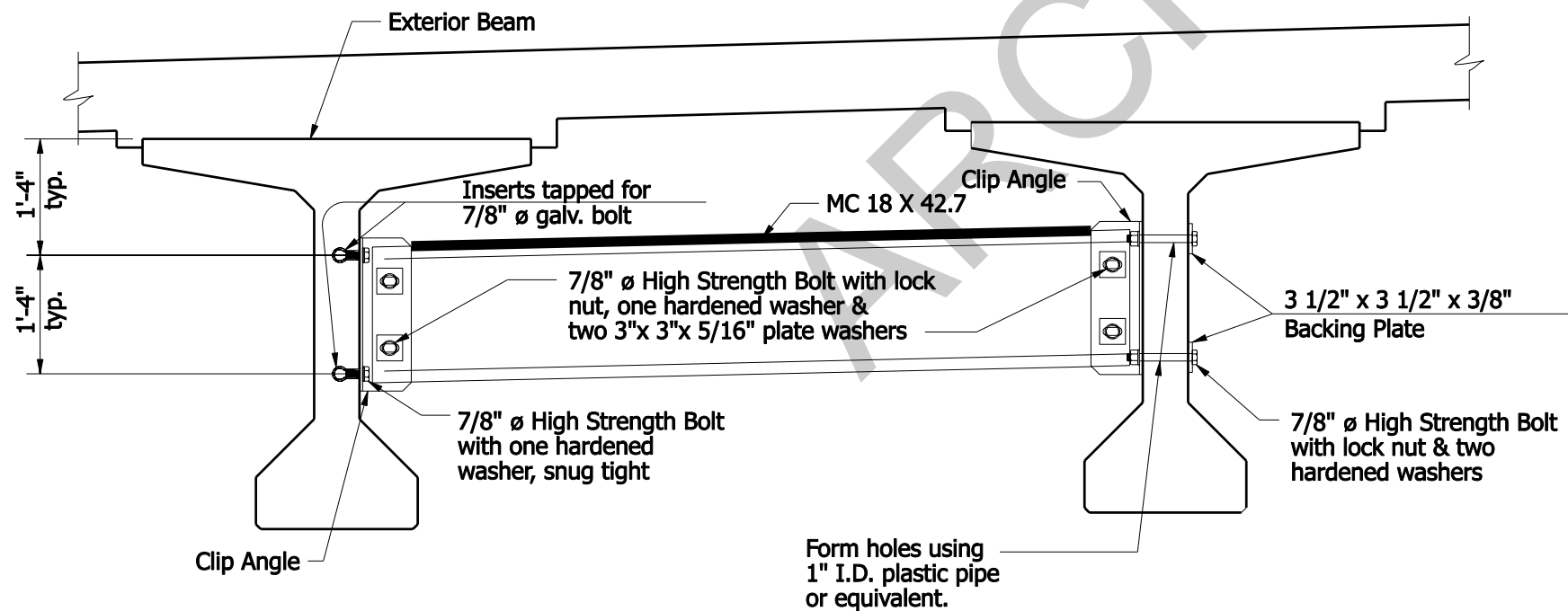
### CHANNEL END

INDIANA DEPARTMENT OF TRANSPORTATION

STEEL DIAPHRAGMS  
AASHTO I-BEAMS



**INTERMEDIATE DIAPHRAGM**  
*Typical for Square Structure*



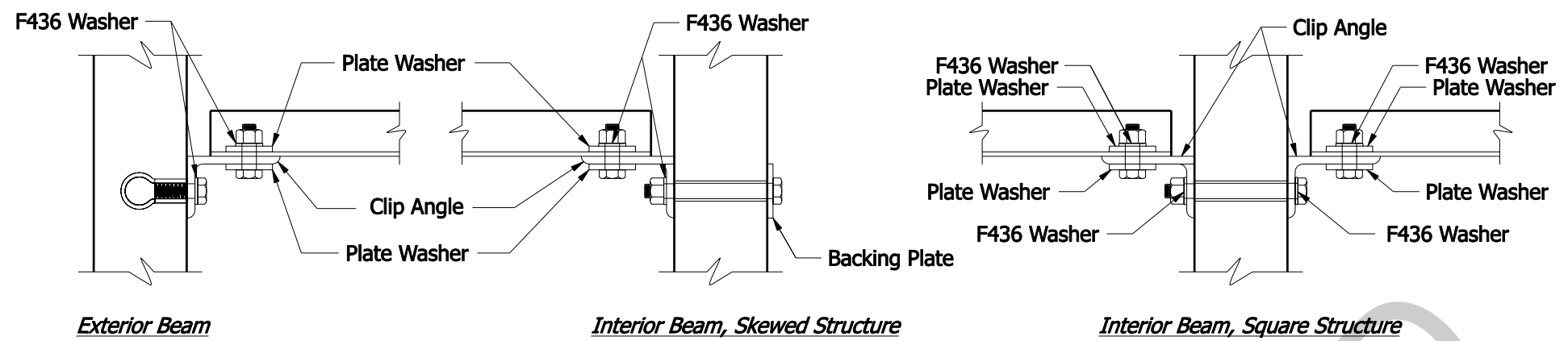
**INTERMEDIATE DIAPHRAGM**  
*Typical for Skewed Structure*

**NOTES:**

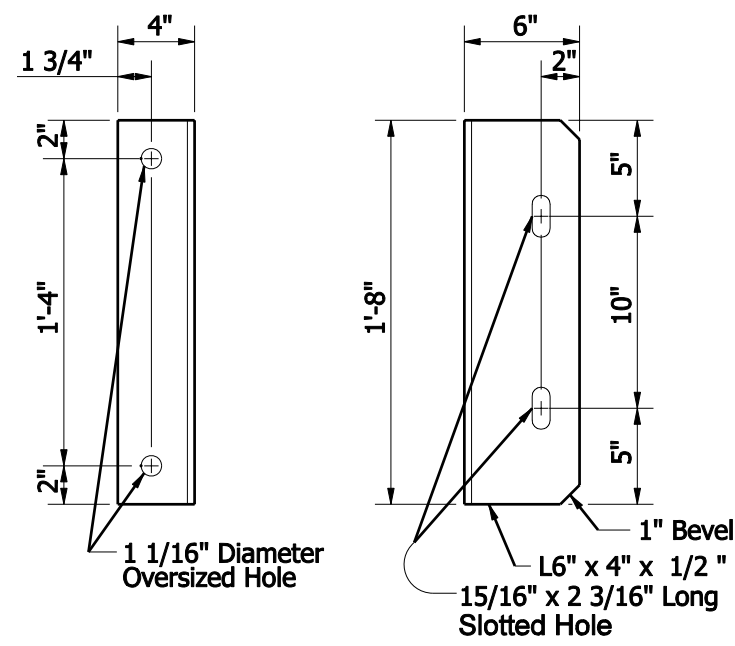
1. See Recurring Drawing E 707-B-173d 4 of 6 for connection details.

INDIANA DEPARTMENT OF TRANSPORTATION

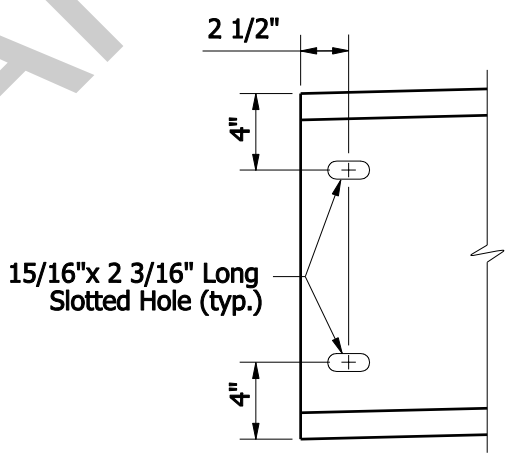
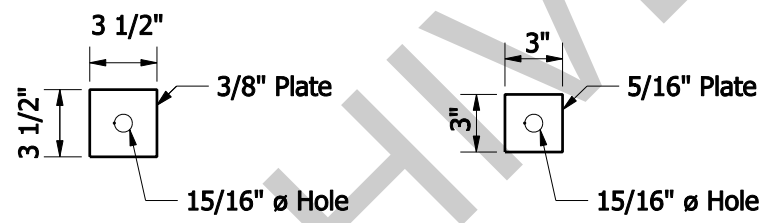
**STEEL DIAPHRAGMS**  
**INDIANA BULB-TEES, 54-IN. DEPTH**



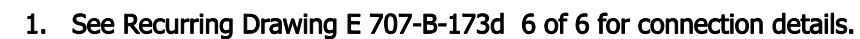
**CONNECTION DETAILS**



**CLIP ANGLE**



|                                                     |
|-----------------------------------------------------|
| INDIANA DEPARTMENT OF TRANSPORTATION                |
| STEEL DIAPHRAGMS<br>INDIANA BULB-TEES, 54-IN. DEPTH |

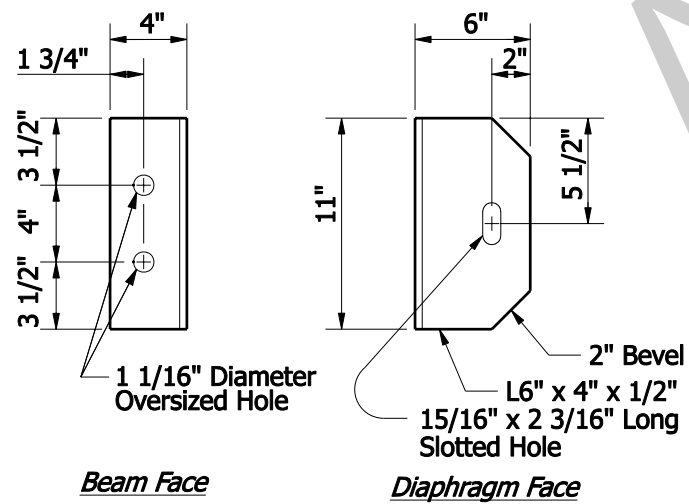
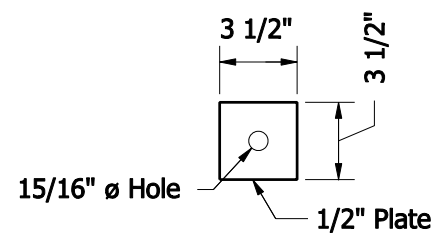
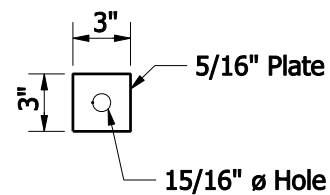
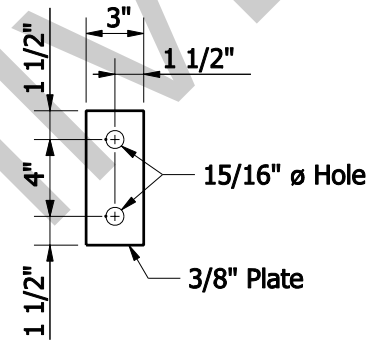
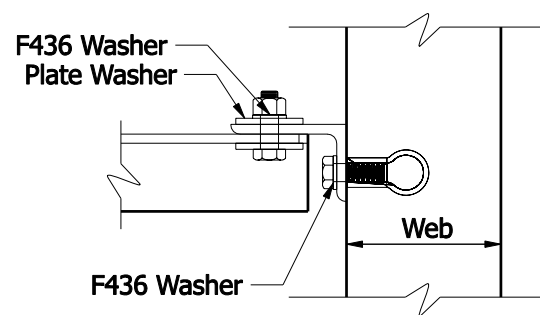
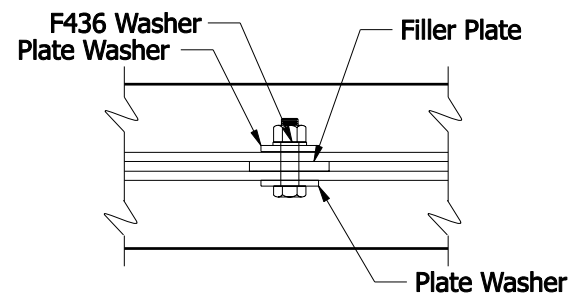
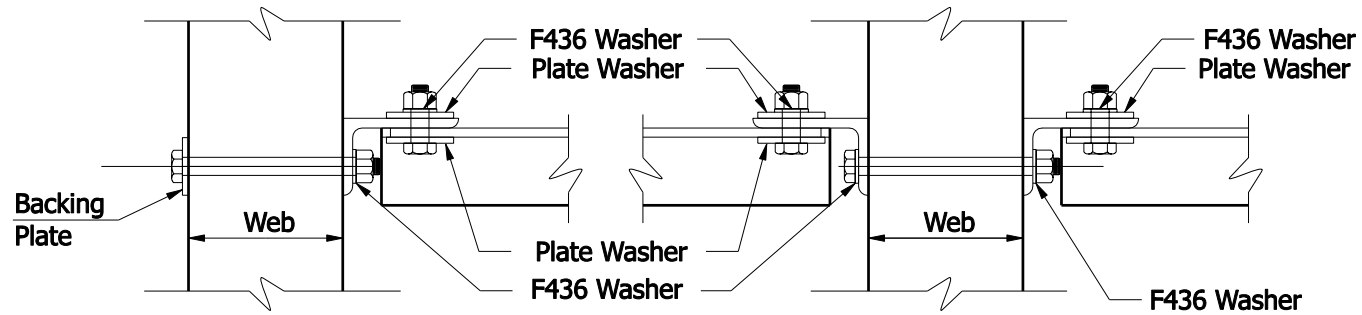


INDIANA DEPARTMENT OF TRANSPORTATION

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STEEL DIAPHRAGMS

INDIANA BULB-TEES, 60 IN. OR DEEPER



INDIANA DEPARTMENT OF TRANSPORTATION  
STEEL DIAPHRAGMS  
INDIANA BULB-TEES, 60 IN. OR DEEPER