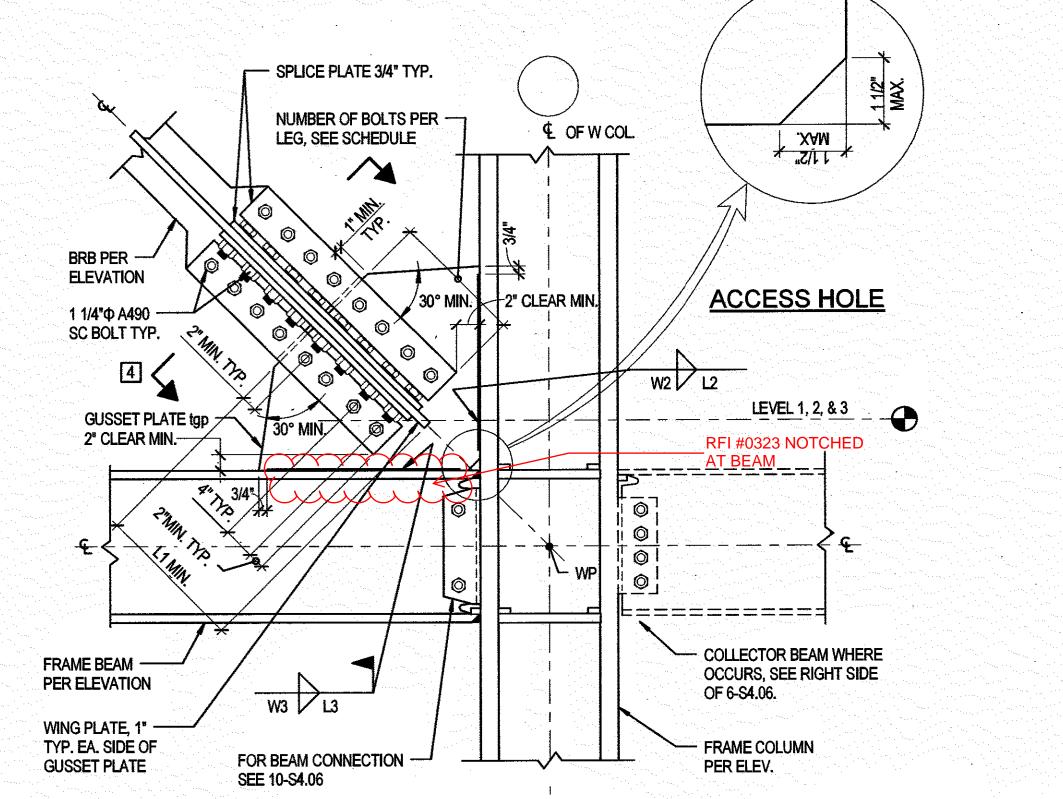


BRACE TO COLUMN FLANGE CONNECTION



| BRR BOLT | | CONNECTION TO COLUMN FLANGE SCHEDULE, DETAILS 2 & 3 | | | | | | | | |
|-----------------|----------|---|------------|------------|----|------|----|-----|----|--|
| LOCATION | BRACE ID | GUSSET PL | NO OF | WELDS (IN) | | | | | | |
| | | | BOLTS ROWS | W1 | L1 | W2 | L2 | W3 | L3 | |
| | BRB4 | 5/8 | 2 | 5/16 | 12 | 5/16 | 14 | 3/8 | 14 | |
| ANY LOCATION | BRB5 | 3/4 | 3 | 5/16 | 16 | 5/16 | 16 | 3/8 | 16 | |
| | BRB6 | 1 | 4 | 5/16 | 20 | 5/16 | 18 | 3/8 | 18 | |

| | | | | CONN. SCH | , | | | |
|----------|----------|-----------|------------|-----------------|------|----|-----|-------------|
| LOCATION | BRACE ID | GUSSET PL | NO OF | EDGE DIST. (IN) | | | | |
| | | tgp (IN) | BOLTS ROWS | L2 | W1 | L1 | W3 | L3 |
| | BRB4 | 3/4 | 2 | 6 | 5/16 | 12 | 3/8 | 36 |
| ANY | BRB5 | 1 | 3 | 8 | 5/16 | 16 | 3/8 | 42 |
| LOCATION | BRB6 | 1 | 4 | 10 | 5/16 | 20 | 3/8 | 48 |

| LOCATION | BRACE ID | GUSSET PL tgp (IN) | NO OF BOLTS ROWS | WELDS (IN) | | | | | |
|-----------------|----------|-----------------------|---------------------|------------|----|------|-----------|-----|----|
| | | | | W1 | L1 | W2 | <u>L2</u> | W3 | L3 |
| ANY LOCATION | BRB4 | 3/4 | 2 | 5/16 | 8 | 5/16 | 10 | 3/8 | 18 |
| | BRB5 | 1 | 3 | 5/16 | 10 | 5/16 | 12 | 3/8 | 21 |
| | BRB6 | 4 3 4 | 4 | 5/16 | 12 | 5/16 | 14 | 3/8 | 24 |

- 1. THE REQUIREMENTS OF AWS D1.8 SECTIONS 6.15.2 THROUGH 6.15.4 ARE APPLICABLE TO THE FABRICATION/ERECTION OF GUSSET PLATES.
- 2. SOFTEN ALL GUSSET PLATE EDGES SO THAT NO SHARP CORNERS REMAIN.

4

- 4. STEEL FABRICATOR IS REPONSIBLE FOR FULLY COORDINATING THE WORK OF ITS OWN DETAILER WITH THAT OF THE BRB DETAILER.

GUSSET PLATE SCHEDULE

1" = 1'-0"

NOTE: ALL WELDS ON THIS SHEET ARE DEMAND CRITICAL WELDS. SEE SPECIFICATION SECTION 05120 & 05125.

UCMERCED Science + Engineering

SMITHGROUP architecture engineering interiors planning

Building 2

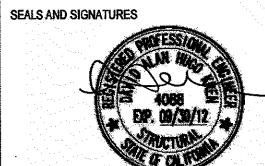
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UNIVERSITY OF CALIFORNIA Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT FILE NO. 01-UC MERCED APPL. NO. 01-111533

AC___FLS_-_SS_-DATE: 66/21/2011

BOLTED BRBF OPTION DETAILS

1" = 1'-0" 38354.000 900020 SG PROJECT NUMBER UCM PROJECT NUMBER

S4.08