

NON-SHRINK GROUT

HSS PARAPET GIRTS

CORNER COLUMNS)

T.O. STEEL
ELEV.=REFER PLAN

(USE MITER CUTS AT-

SCALE: NONE

TOP AND BOTTOM

REFER PLAN

STEEL BEAM-

REFER PLAN

TYP. ISOLATION JOINT DETAILS

TYP. PARAPET GIRT TO COLUMN

REFER PLAN

L3x3x/4x0'-6" TYP.

TOP AND BOTTOM

X—BRIDGING, (BOLTED) —REFER PLAN FOR SIZE—

STEEL JOIST-

REFER PLAN

AND SPACING

**BOLTED X-BRIDGING** 

\*WELD AS REQUIRED BY

JOIST MANUFACTURER

\_CAP ₺½x6x0'-6"

STEEL COLUMN

TYPICAL TOP \
AND BOTTOM

AT EA. JOIST /

<u>NOTE:</u> ROOF DECK NOT

SHOWN FOR CLARITY

TOP & BTM. BRIDGING

AND SPACING

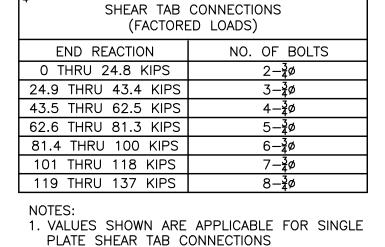
SCALE: NONE

REFER PLAN FOR SIZE-

WELDED TOP AND BOTTOM CHORD BRIDGING

TYP. BRIDGING DETAILS AT JOISTS

REFER PLAN



¾"ø A325−N BOLT SCHEDULE FOR SINGLE PLATE

2. SEE PLAN FOR END REACTIONS

3. L = PLATE LENGTH  $\geq$  T/2 OF CONNECTED

4. AT HSS OR PIPE COLUMNS, A THROUGH-PLATE WITH EQUAL WELD ON THE BACK SIDE OF THE COLUMN IS REQUIRED UNDER EITHER OF THE FOLLOWING CIRCUMSTANCES:

A. FOR SQUARE OR RECTANGULAR HSS:

WHEN  $\frac{B-2.79t}{0.93t} > 35.1$ B. FOR ROUND HSS OR PIPE:

WHEN  $\frac{D}{+} > \frac{3.190}{-}$ 

B = NOMINAL COLUMN WIDTH ACROSS THE COLUMN FACE WITH THE SINGLE PLATE CONNECTION, IN. D = OUTSIDE DIAMETER OF ROUND HSS

OR PIPE, IN. t = NOMINAL THICKNESS OF COLUMN, IN. Fy = YIELD STRENGTH OF COLUMN, KSI

 $a \leq 3\frac{1}{2}$ <sup>1</sup>3/<sub>6</sub>"x1" NO. OF BOLT LINES SHORT-SLOT-(SEE SCHEDULE) HOLES

**BEAM TO BEAM** 

BEAM TO HSS COLUMN

COLUMN

SHORT-SLOT

¹¾6"x1"

HOLES

-Leh <u>></u> 1½"

NO. OF BOLT LINES

(SEE SCHEDULE)

STRUCTURAL

KFC ENGINEERING

SALAS O'BRIEN

MECHANICAL / ELECTRICAL

the Abla Griffin

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## SINGLE PLATE SHEAR TAB CONNECTIONS (LRFD-AISC 14TH EDITION MANUAL) SCALE: NONE

HSS GIRT T.O. GIRT ELEV.=REFER PLAN FABRICATOR'S OPTION TO PROVIDE REMOVABLE ERECTION AIDS SUCH AS ANGLE SEATS UNEQUAL WIDTH CONDITION / MATCHED WIDTH -HSS COLUMN CONDITION / 14 \

BASE PLATE DETAILS

REFER PLAN

STEEL BEAM-

- P3x3x14

REFER PLAN

TYP. HSS GIRT TO HSS COLUMN CONNX. SCALE: NONE

STEEL JOIST-

REFER PLAN

EACH END \*

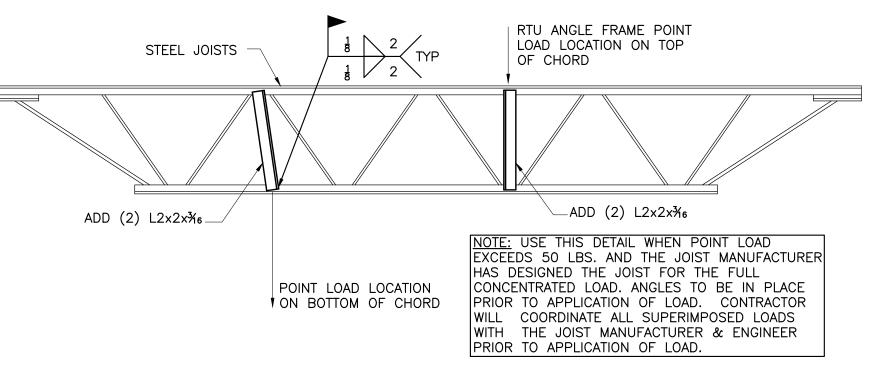
X-BRIDGING-REFER

WELDED X-BRIDGING

 $\stackrel{\checkmark}{--}$ PLAN FOR SIZE AND -

SPACING

TYPICAL



DBL. NUTTED

FOR LEVELING

- ANCHOR PROJECTED

2" HIGH-STRENGTH,

NON-SHRINK GROUT

ANCHOR RODS REFER

WASHER ₱%×3×0'-3" BETWEEN

THREADS SPOILED ABOVE AND

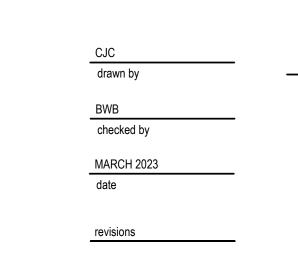
DOUBLE HEAVY HEX NUT W/

BELOW AT EMBED END.

DETAILS AND GEN.

NOTES FOR INFO.

BRACING DETAIL FOR STEEL JOISTS W/ POINT LOADS



MOORE PUBLIC SCHOOLS **BOARD OF EDUCATION** MOORE, OKLAHOMA



OFFICE ADDITION -SOUTHGATE **ELEMENTARY SCHOOL** 

sheet no:

S103

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