

HSS GIRT

FABRICATOR'S OPTION TO PROVIDE REMOVABLE ERECTION AIDS SUCH

AS ANGLE SEATS

UNEQUAL WIDTH

CONDITION /

MATCHED WIDTH

SCALE: NONE

<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

CONDITION / 14 \

NON-SHRINK GROUT

SCALE: NONE

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

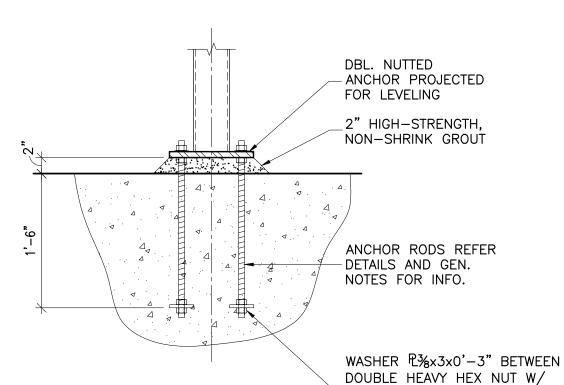
_CAP ₺½x6x0'-6"

STEEL COLUMN

TYPICAL TOP \
AND BOTTOM

AT EA. JOIST /

REFER PLAN



3"Ø A325-N BOLT SCHEDULE FOR SINGLE PLATE SHEAR TAB CONNECTIONS (FACTORED LOADS)		
END REACTION	NO. OF BOLTS	
0 THRU 24.8 KIPS	2− <mark>3</mark> ø	
24.9 THRU 43.4 KIPS	3− <mark>3</mark> ø	
43.5 THRU 62.5 KIPS	4— 3 ø	
62.6 THRU 81.3 KIPS	5— <mark>3</mark> ø	
81.4 THRU 100 KIPS	6— <mark>3</mark> ø	
101 THRU 118 KIPS	7— <mark>3</mark> ø	
119 THRU 137 KIPS	8− <u>3</u> ø	

- 1. VALUES SHOWN ARE APPLICABLE FOR SINGLE PLATE SHEAR TAB CONNECTIONS
- 2. SEE PLAN FOR END REACTIONS
- 3. L = PLATE LENGTH \geq T/2 OF CONNECTED BEAM.
- 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 ≤ 3½"	Leh ≥ 1½"
		2"- 2"- 11%"
	1¾6"x1" SHORT-SLOT HOLES	NO. OF BOLT LINES (SEE SCHEDULE)

BEAM TO BEAM

BEAM TO HSS COLUMN

a ≤ 3½<u>"</u>

COLUMN

SHORT-SLOT

¹¾6"x1"

HOLES

-Leh <u>></u> 1½"

NO. OF BOLT LINES

(SEE SCHEDULE)

KFC ENGINEERING STRUCTURAL

SALAS O'BRIEN

MECHANICAL / ELECTRICAL

the Abla Griffin

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

STEEL JOISTS ADD (2) L2x2x¾6_ POINT LOAD LOCATION ON BOTTOM OF CHORD

BASE PLATE DETAILS

T.O. GIRT

-HSS COLUMN

TYP. HSS GIRT TO HSS COLUMN CONNX.

STEEL JOIST-

REFER PLAN

EACH END *

X-BRIDGING-REFER

WELDED X-BRIDGING

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

SPACING

TYPICAL

ELEV.=REFER PLAN

REFER PLAN

STEEL BEAM-

- P3x3x14

REFER PLAN

BRACING DETAIL FOR STEEL JOISTS W/ POINT LOADS

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

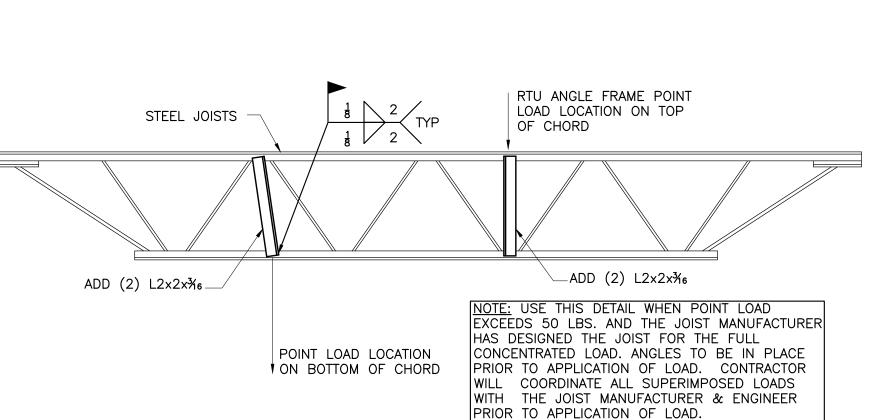


OFFICE ADDITION -NORTHMOOR

S103







THREADS SPOILED ABOVE AND

BELOW AT EMBED END.



ADDENDUM No. 2 11/23/2021

ELEMENTARY SCHOOL

sheet no:

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