

\BAR JOIST BEARING ON TILT WALL

COLUMN CONNECTION

* K SERIES JOISTS 2 1/2" OR 3 1/2" SEATS (PER PLAN). S2.13

LH SERIES JOISTS 5" OR 6" SEATS (PER PLAN).

DLH SERIES JOISTS 7 1/2" SEATS.

PANEL WITH PARAPET SCALE: NO SCALE

BOTTOM OF

METAL DECK EL. PER PLAN

CAP PLATE PER DETAIL 4/S2.1

STABILIZER PLATE 3/8"x6"x0'-6" 1 1/2" 1 1/2" W/ 13/16" DIA. HOLE @ K SERIES JOISTS.

JOIST TO

W/ 13/16" DIA. HOLE @ LH SERIES JOISTS.

STABLIZER PLATE 3/4"x6"x6"

DO NOT WELD JOIST TO PLATE.

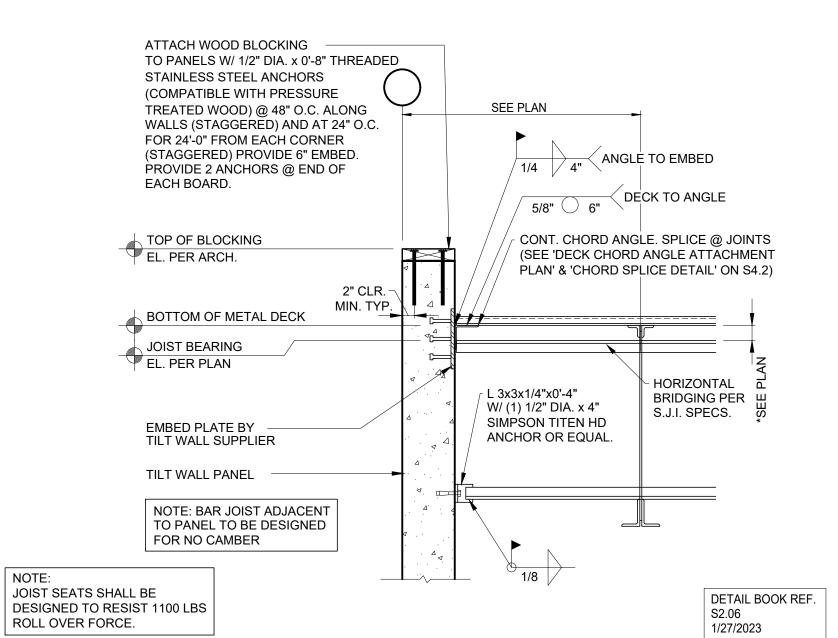
NOTES: * K SERIES JOISTS 2 1/2" OR 3 1/2" SEATS (PER PLAN). LH SERIES JOISTS 5" OR 6" SEATS (PER PLAN). DLH SERIES JOISTS 7 1/2" SEATS.

P_↓ =14.0K (D+L) P₊ =-4.8K (.6W-3 PSF) V_=3.3K (.6W) IN PLANE V_=1.1K (.7E) OUT OF PLANE

1/8" 2 1/2" K SERIES TYP. PER SJI

1/4" 2 1/2" @ LH SERIES SPECS.

COLUMN PER PLAN



DECK SUPPORT AT TILT WALL **PANEL WITH PARAPET**

JOIST TO

1/8" 2 1/2" K SERIES TYP.
PER SJI
SPECS.

GIRDER CONNECTION

K SERIES JOISTS 2 1/2" OR 3 1/2" SEATS (PER PLAN).

LH SERIES JOISTS 5" OR 6" SEATS (PER PLAN).

DLH SERIES JOISTS 7 1/2" SEATS.

BRACE AS REQUIRED

AND SUPPLIED BY JOIST SUPPLIER. FIELD WELD ANGLE TO JOIST AFTER ROOF DECK IS INSTALLED

DETAIL BOOK REF.

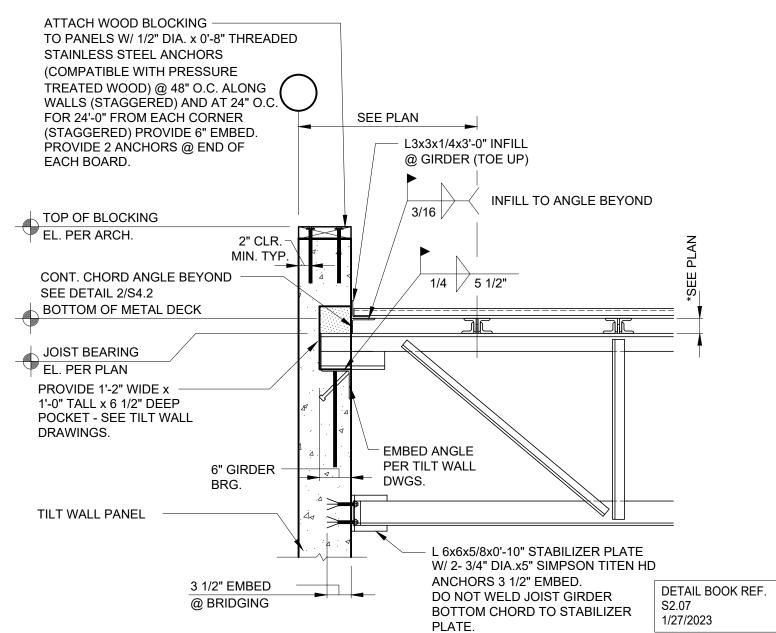
S2.20-N

1/27/2023

S4.1 SCALE: NO SCALE NOTES: * K SERIES JOISTS 2 1/2" OR 3 1/2" SEATS (PER PLAN). LH SERIES JOISTS 5" OR 6" SEATS (PER PLAN).

DLH SERIES JOISTS 7 1/2" SEATS.

BOTTOM OF METAL DECK EL. PER PLAN



JOIST GIRDER BEARING ON TILT WALL PANEL WITH PARAPET

S4.1 SCALE: NO SCALE NOTES:

(2) L 2x2x5/16x1'-0" (Fy=50 KSI)

WELDED ACROSS JOIST SEATS

@ EACH COLUMN (APPLIES TO

JOIST LINE ADJACENT TO MAIN

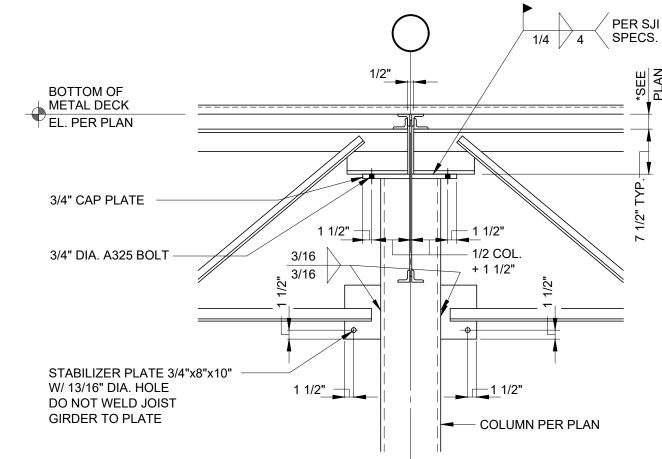
EACH SIDE OF JOIST

GRID LINE 3.3)

JST BEARING EL. PER PLAN

* K SERIES JOISTS 2 1/2" OR 3 1/2" SEATS (PER PLAN). LH SERIES JOISTS 5" OR 6" SEATS (PER PLAN). DLH SERIES JOISTS 7 1/2" SEATS.

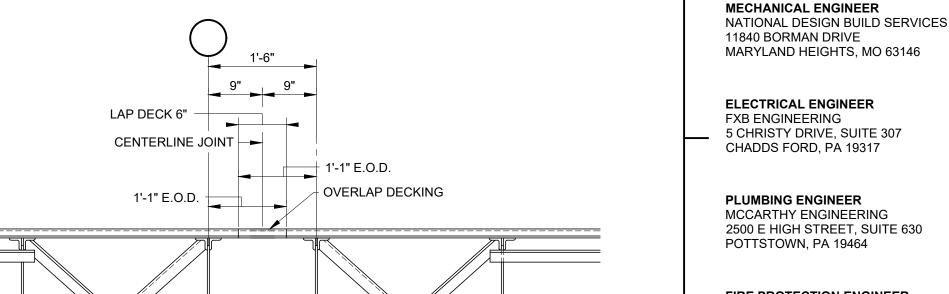
P₊ =65.4K (D+L) P₊ =-23.9K (.6W-3 PSF)



JOIST GIRDER TO **COLUMN CONNECTION**

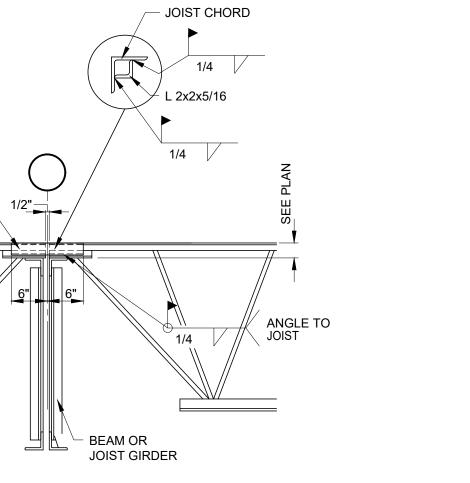
SCALE: NO SCALE * K SERIES JOISTS 2 1/2" OR 3 1/2" SEATS (PER PLAN). S2.12

DETAIL BOOK REF. LH SERIES JOISTS 5" OR 6" SEATS (PER PLAN). DLH SERIES JOISTS 7 1/2" SEATS.



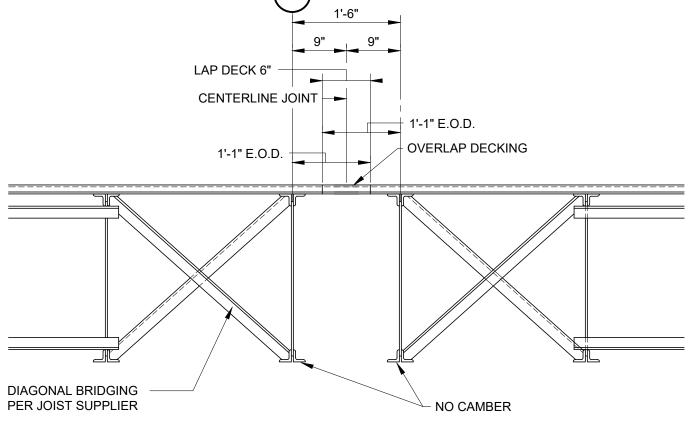
EXPANSION JOINT SECTION

DETAIL BOOK REF.



JOIST SEAT CHORD **CONNECTION DETAIL**

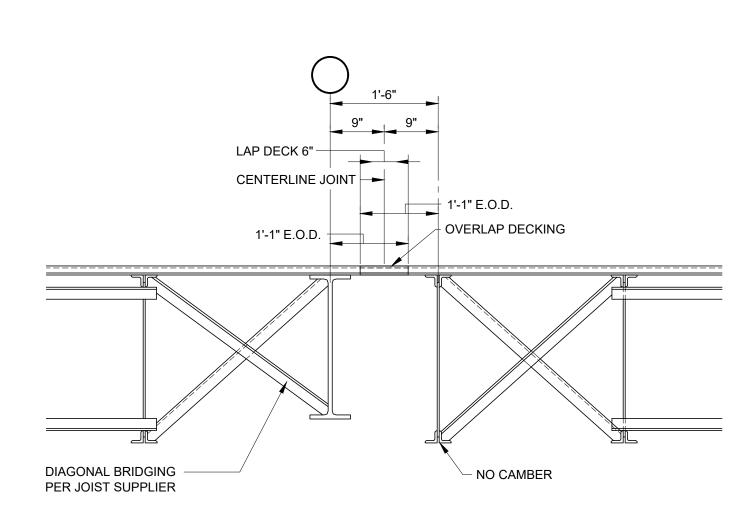
1. DETAIL APPLIES TO ALL JOISTS DIRECTLY ADJACENT TO CL '10' & '19'. 2. SHALL NOT BE INSTALLED AT COLUMNS ALONG CL 'G' AT EXPANSION JOINT



PARALLEL TO JOIST

S4.1 SCALE: NO SCALE

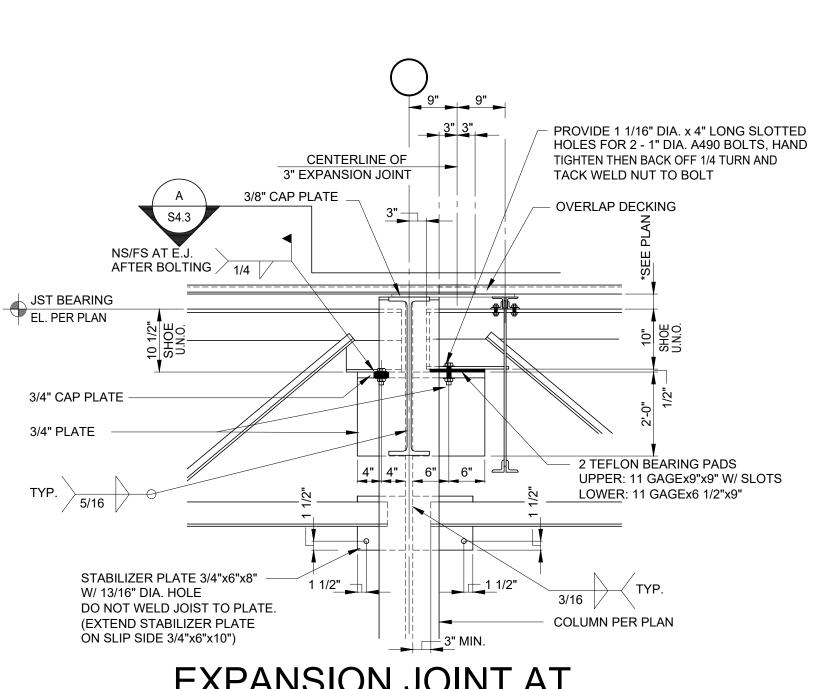
1/27/2023



EXPANSION JOINT SECTION PARALLEL TO JOIST/BEAM

SCALE: NO SCALE NOTES: 1. PROVIDE ONE BRACE MIN. AT MIDSPAN OF LATERAL BEAM

DETAIL BOOK REF. S2.22 8/24/2023

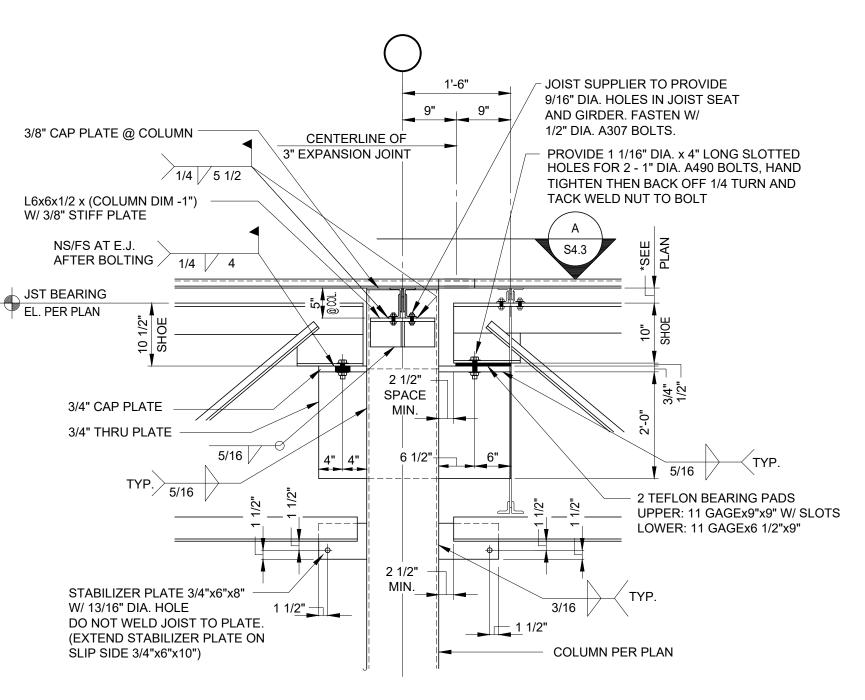


EXPANSION JOINT AT WIDE FLANGE COLUMN CONNECTION

SCALE: NO SCALE NOTES: * K SERIES JOISTS 2 1/2" OR 3 1/2" SEATS (PER PLAN) LH SERIES JOISTS 5" OR 6" SEATS (PER PLAN).

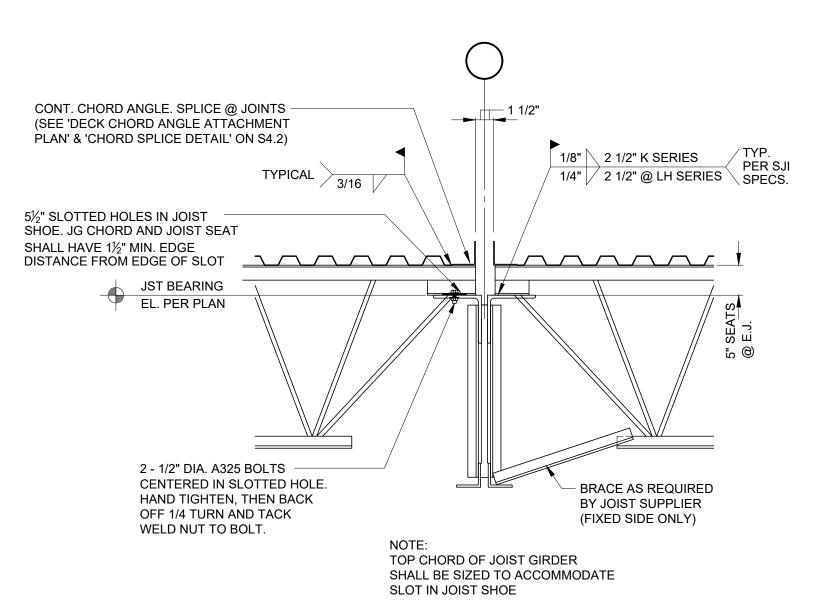
DLH SERIES JOISTS 7 1/2" SEATS.

DETAIL BOOK REF. S2.09 8/24/2023



DETAIL AT EXPANSION JOINT AT HSS COLUMN CONNECTION S4.1 SCALE: NO SCALE NOTES:

DETAIL BOOK REF. S2.10 8/24/2023



EXPANSION JOINT PERP. TO JOIST GIRDER SCALE: NO SCALE S4.1 8/24/2023

S4.1

DESIGNER / BUILDER DESIGN/BUILD 44 SOUTH BROADWAY, SUITE 1003 WHITE PLAINS, NY 10601 P: 914.821.5535 F: 914.306.6010 **PROJECT TITLE ROCKLAND** LOGISTICS **CENTER BLDG 1** 25 OLD MILL RD. SUFFERN, NY 10901 **BROOKFIELD PROPERTIES** 1 MEADOWLANDS PLAZA, SUITE 802 EAST RUTHERFORD,NJ 07073 ARCHITECT ADB / DESIGN SERVICES LLC 44 SOUTH BROADWAY, SUITE 1003 WHITE PLAINS, NY 10601 **CIVIL ENGINEER** DYNAMIC ENGINEERING CONSULTANTS 1904 MAIN STREET LAKE COMO, NJ 07719 STRUCTURAL ENGINEER ADB STRUCTURAL ENGINEERING

> 2500 E HIGH STREET, SUITE 630 POTTSTOWN, PA 19464 FIRE PROTECTION ENGINEER S.A. COMUNALE 2900 NEWPARK DRIVE BARBERTON, OH 44203

325 S. ALABAMA ST, SUITE 200 INDIANAPOLIS, IN 46204

SEAL

KEY PLAN

SUBMITTALS 11-29-23 75% PROGRESS SET 12-22-23 90% PROGRESS SET 01-26-24 95% PROGRESS SET

PROJECT NO. **DRAWN BY** AS397-22 | NY154 | SEI-085-23 JWC SHEET TITLE **STRUCTURAL DETAILS**

SHEET NO.