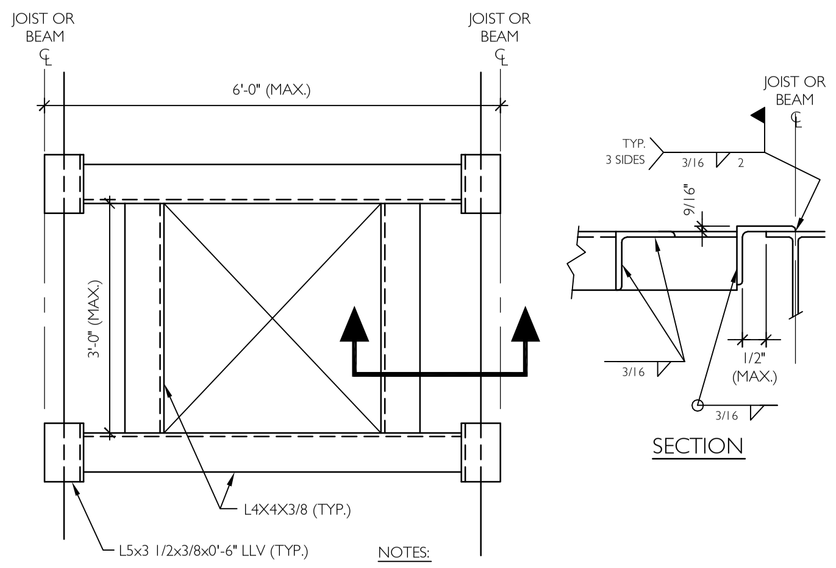



PLAN

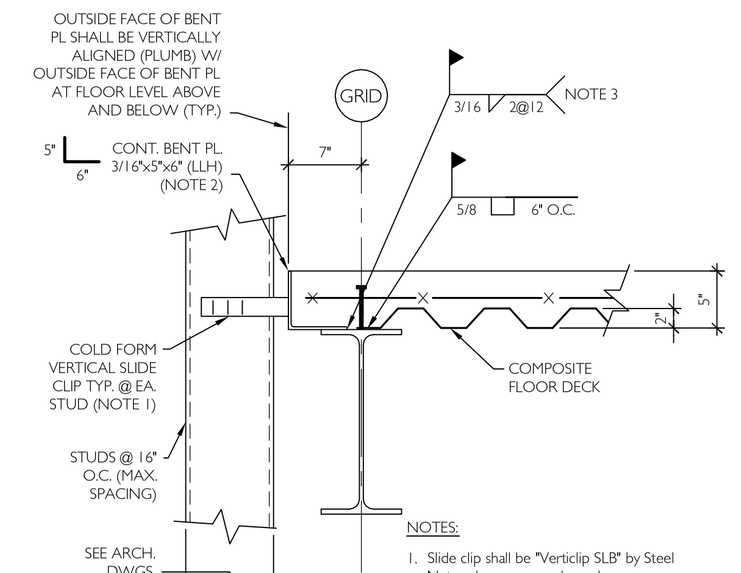
SECTION

NOTES:

1. I, 2, 3, OR 4 SIDED FRAMES MAY BE USED AS REQUIRED. ALSO, LOOSE INTERIOR MEMBERS MAY BE USED FOR ADDED ADJUSTMENT.
2. FRAME REQ'D AT ROOF DRAINS (CLEAR OPNG. 2'-4"x2'-0").
3. FRAMES REQ'D AT ALL OTHER OPENINGS IN DECK LARGER THAN 1'-0" DIAMETER AND ALSO WHERE SPECIFIED.

## J1 TYPICAL DETAIL @ FRAMED OPENINGS

1" = 1'–0"

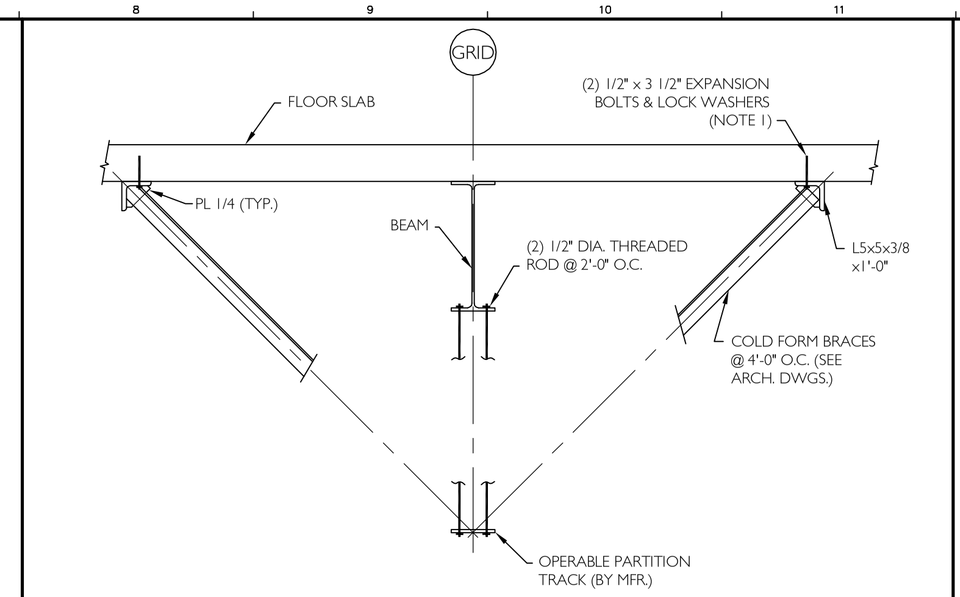



NOTES:

1. Slide clip shall be "Verticlip SLB" by Steel Network or approved equal.
2. Horiz. leg may have slots for erection bolts (typ.).
3. Bent plate shall not be welded until welding of all permanent building bracing and metal decking at floors / roof has been completed.

## J4 SECTION

NOT TO SCALE

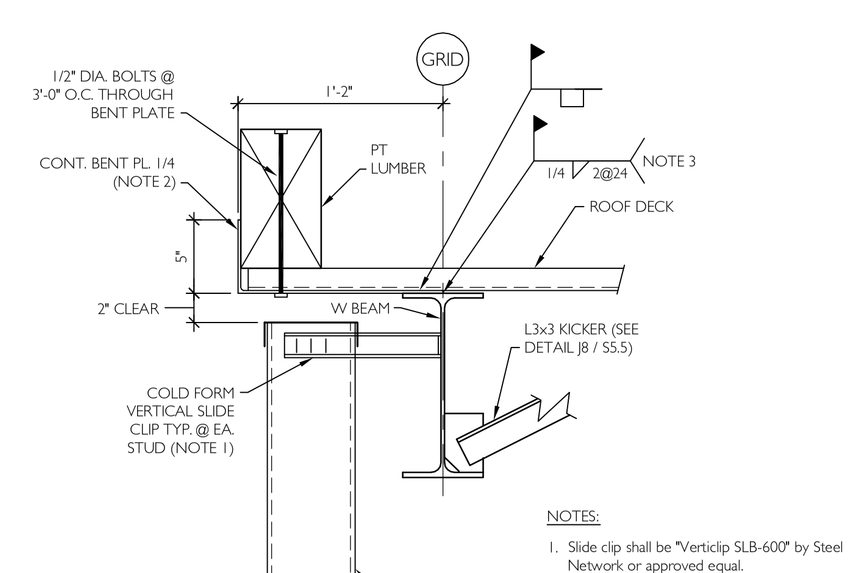



NOTES

1. L5x5 shall be aligned such that expansion bolts are installed in bottom of deck flutes only.

## J8 SECTION AT OPERABLE PARTITION

1/8" = 1'–0"

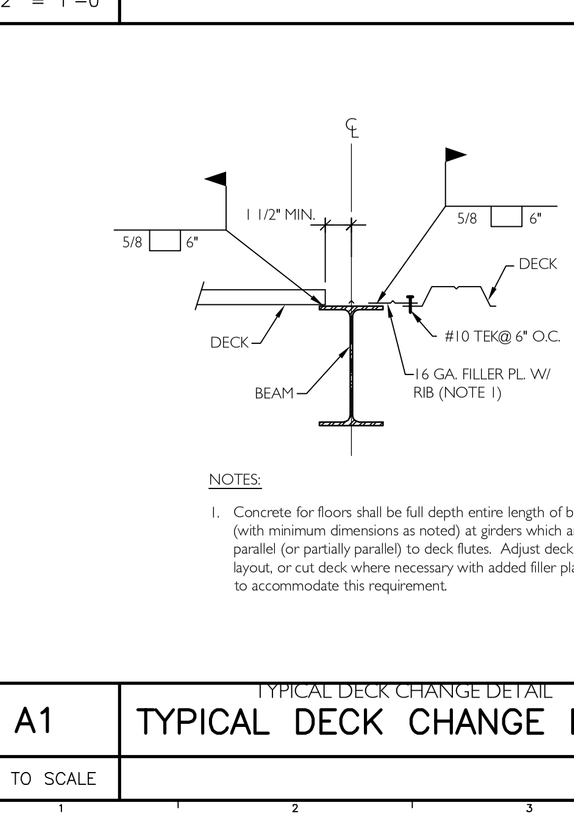



NOTES:

1. Slide clip shall be "Verticlip SLB-600" by Steel Network or approved equal.
2. Horiz. leg of bent plate may have slots for erection bolts.
3. Bent plate shall not be welded until welding of all permanent building bracing and metal decking at floors / roof has been completed.

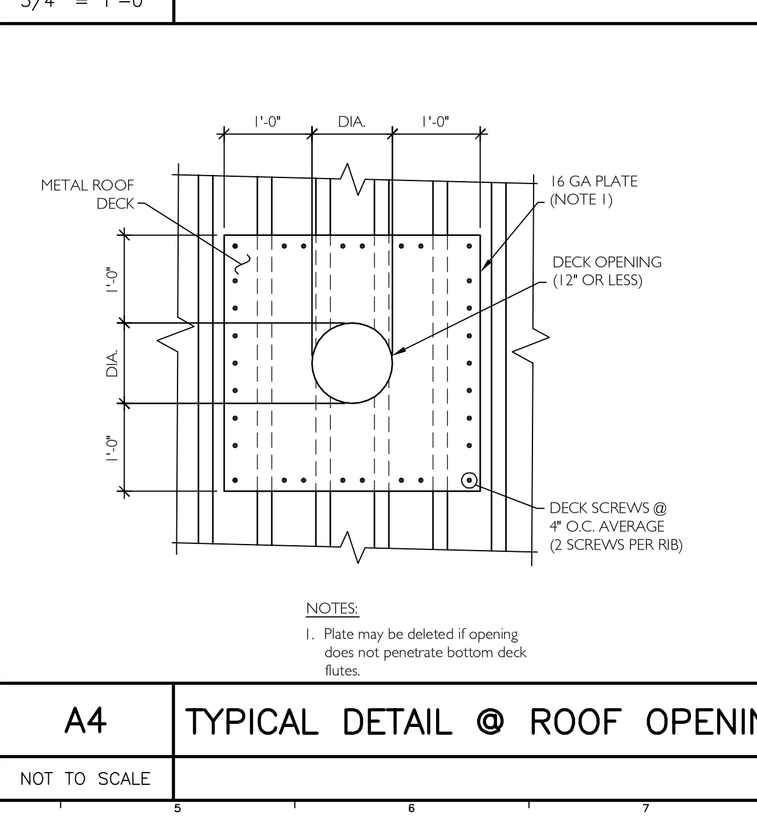
## J11 SECTION

NOT TO SCALE




## E1 SECTION

1 1/2" = 1'–0"




## E4 SECTION

3/4" = 1'–0"

## COLD-FORM TRUSSES

1. Trusses shall not be released from crane cables until truss top chord is straight, adequately braced, and truss is plumb.
2. Minimum steel gauge for trusses shall be 18 gauge. Wall studs shall be located in exterior walls such that at least one stud is located below the centerline of each truss bearing point.
3. Coordinate requirements for truss bracing with truss designer. Truss bracing shown is a minimum. Provide additional bracing as specified by fabricator's truss designer at no additional expense to the Owner. Bracing shall be installed during truss erection.
4. Except where specified otherwise on drawings, roof trusses shall be designed for the following loads (loads shown do not include truss self-weight):
5. a. Uniform snow load distributed over a horizontal projection of the roof surface = 51 psf.

   b. Unbalanced snow loads = 76 psf distributed over a horizontal projection at one side of the ridge while snow load at the other side of the ridge = 0 psf. Unbalanced snow may occur on either side of ridge.

   c. Uniform top chord dead load = 10 psf.
   Uniform bottom chord dead load = 10 psf.

   d. Net uplift load of 15 psf.

   e. Horizontal wind load of 30 psf.
6. Trusses and truss to truss connections, including "Hold-Down Anchors" at each end of truss, shall be designed by the truss fabricator's structural engineer, licensed in Maine. Stamped shop drawings and calculations shall be submitted for approval prior to fabrication. Shop drawing submittal shall provide clear erection drawings, instructions, and details describing truss erection requirements. It is mandatory that truss to truss connection requirements be indicated on stamped shop drawings.
7. Roof trusses shall be designed such that snow load deflection does not exceed span/360.
8. Truss drawings and trusses delivered to the field shall have all permanent truss bracing locations clearly marked where necessary to prevent buckling of truss compression members.

## E8 COLD–FORM TRUSS NOTES

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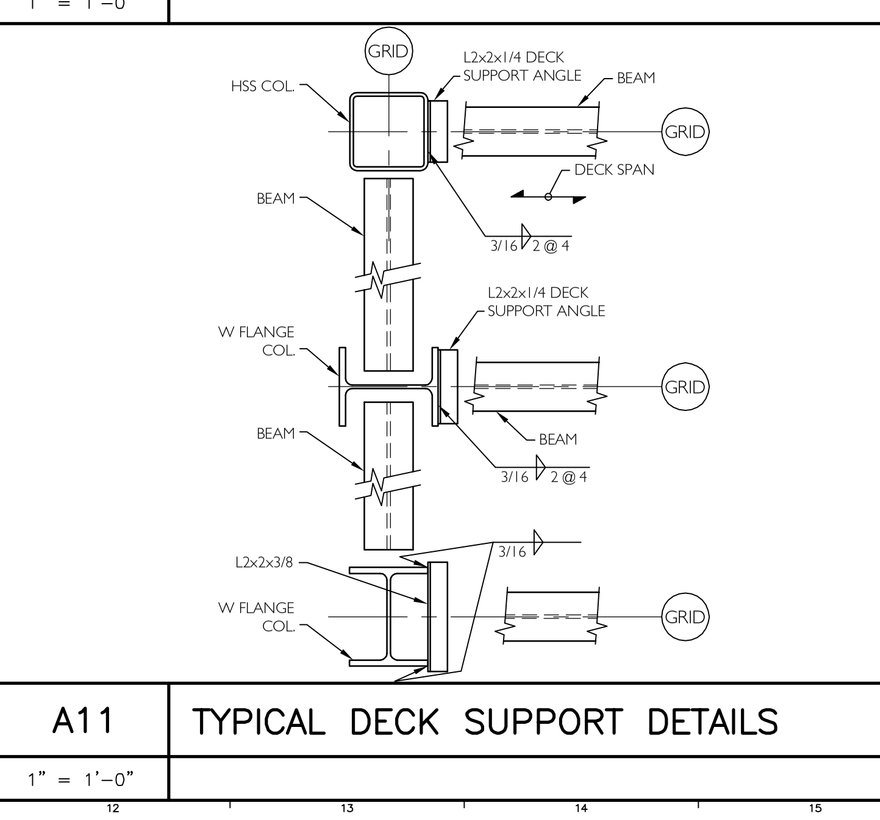


NOTES:

1. PROVIDE WELD LENGTH AS REQ'D FOR SPECIFIED BRACE FORCES.

## E11 DETAIL

1" = 1'–0"




NOTES:

1. Concrete for floors shall be full depth entire length of beam (with minimum dimensions as noted) at girders which are parallel (or partially parallel) to deck flutes. Adjust deck layout, or cut deck where necessary with added filler plate, to accommodate this requirement.

## A1 TYPICAL DECK CHANGE DETAIL

NOT TO SCALE




NOTES:

1. Plate may be deleted if opening does not penetrate bottom deck flutes.

## A4 TYPICAL DETAIL @ ROOF OPENING

NOT TO SCALE




NOTES:

1. Coordinate truss slopes, profile, and overhang requirements with architectural drawings. Bottom chord slope shall not be steeper than 1/2 top chord slope.
2. Chords shall be 2" wide and be 18 gage (min.).

## A8 SECTION

1/4" = 1'–0"




## A11 TYPICAL DECK SUPPORT DETAILS

1" = 1'–0"

SMRT

Price Structural Engineers, Inc.

**This document does not supercede stamped structural document.**

PROJECT NORTH

MAG. NORTH

PROJECT TITLE:
MAINE TURNPIKE AUTHORITY
ADMINISTRATION BUILDING
PORTLAND, MAINE

**ISSUED FOR BIDDING / CONSTRUCTION 7-9-07**

| REV | DESCRIPTION | DATE |
|---|---|---|
| 0 | BIDDING/CONSTRUCTION | 7-9-07 |

GRAPHIC SCALE: 0" 1"

| | |
|---|---|
| SCALE: | AS NOTED |
| PROJECT MANAGER: | SLB |
| JC/DRAWN BY: | TCM/TDP |
| A/E OF RECORD: | DAP |
| CAD FILE: | MTA/S5.2/116–06 |
| PROJECT NO: | 06016 |
| DATE: | 7–9–07 |

SHEET TITLE:
STEEL FRAMING SECTIONS & DETAILS

SHEET No. S5.2