

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
-	2	ISSUED FOR USE (10 YEAR UPDATE)	11/19/23	APG

GENERAL NOTES

The installation contractor is solely responsible for site safety. Site visits by Engineered Supply do not include review of the contractor's safety precautions.

Installation drawings documenting the base materials shall be provided by others and shall be reviewed by an experienced licensed engineer for all tieback and rope descent systems, or by a competent qualified person for all fall protection systems.

BASE MATERIALS Base material shall be capable of supporting the loads shown in accordance with the current applicable codes for the project location. Base material shall be 2x nominal top chord trusses at 16" to 24" on center with 7/16" to 3/4" thick plywood / osb, or equal with written approval from Engineered Supply.

ANCHOR BOLTS

All anchors shall be installed in strict accordance with the anchor manufacturer's instruction. Anchor fasteners shall be tightened until all surfaces are in direct contact and wood is lightly indented at edge of washer or screw head. Do not overdrive fasteners.

INSPECTION AND TRAINING All fall protection and suspended maintenance equipment shall be selected or designed by others. Usage shall comply with the current version of the ANSI IWCA 114.1. Systems users to inspect all equipment prior to each use, including all visible attachment points, locks, and pins to ensure all equipment is in safe working order. All users shall be trained on proper use of the equipment, as well as knowing and complying with OSHA, ANSI and other pertinent life safety regulations.

Equipment for rope descent and tie back use shall be initially load tested under the direction of a licensed engineer and annually inspected by a competent qualified person. Equipment shall be re-certified within 5 years.

BUILDING ENVELOPE

Installation and materials surrounding the anchor shall be designed by others in compliance with the applicable manufacturer's instructions and shall maintain the existing building warrantee as applicable.

Flexible boots shall be provided at all roofing penetrations in accordance with the roofing manufacturer's instruction.

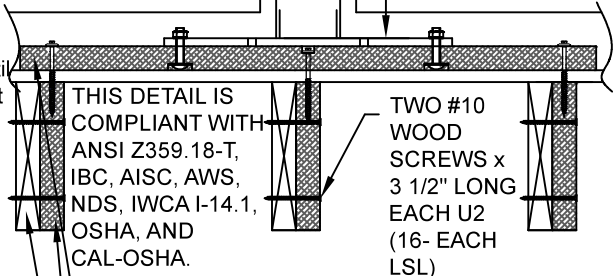
THIS DETAIL SHOP TESTS ELASTICALLY AT 5,000 POUNDS FORCE APPLIED AT THE TOP OF HOOP.

LOAD TO HOOP, ANY DIRECTION
5,000 POUND ULTIMATE

18" TALL PIPE, MAX

ENGINEERED SUPPLY STRONGTOP UNIVERSAL PIPE ANCHOR

ROOFING FLASHING PER ROOFING MANUFACTURER'S INSTRUCTION.



THIS DETAIL IS COMPLIANT WITH ANSI Z359.18-T, IBC, AISC, AWS, NDS, IWCA I-14.1, OSHA, AND CAL-OSHA.

TWO #10 WOOD SCREWS x 3 1/2" LONG EACH U2 (16- EACH LSL)

SECTION VIEW

SET ANCHOR ON 36" TO 52" LONG X 24" WIDE 1.5" THICK LSL OVER THE DECKING.

1.5" x MATCHING DEPTH LSL SISTERED TO 2x FRAMING

WOOD FRAMING WITH SPECIFIC GRAVITY OF 0.42 OR BETTER

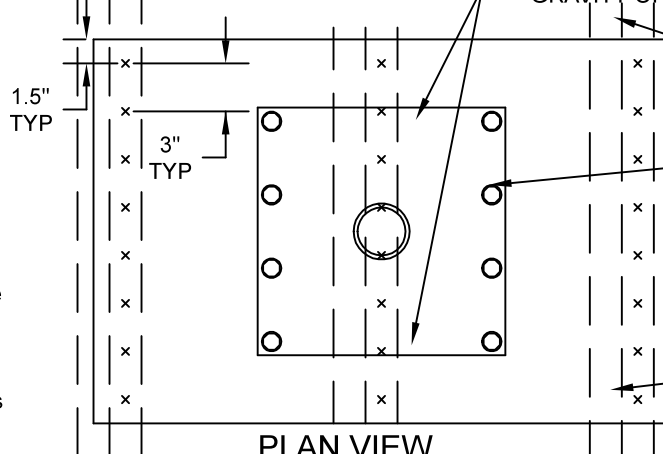
2x FRAMING, SIZED FOR LOAD BY OTHERS

8- 1/2" DIAMETER CARRIAGE BOLTS WITH LOCTITE RED ON NUT TOP AND FENDER WASHER BOTTOM. 2" DIAMETER x 0.5" DEEP COUNTERBORE BOTTOM OF LSL AT CARRIAGE BOLT LOCATIONS.

24- U2 CONSTRUCTION FASTENERS x 6" LONG FROM LSL PLINTH INTO LSL BLOCKING (3- ROWS OF 8- EACH)

COUNTERSINK HEAD 1/2" BELOW ANCHOR BASE PLATE

4 BASE PLATE HOLES (2 EA. SIDE) MAY REMAIN OPEN



PLAN VIEW



ENGINEERED SUPPLY

201 2ND AVE SOUTH
BAYPORT, MINNESOTA 55003

651-439-0932
ENGINEEREDSUPPLY.COM

STRONGTOP™

Permanent Suspended Maintenance

ES P/N 901002-518f

GENERAL INSTALLATION DETAIL,
WOOD FRAMING ATTACHMENT,
UNIVERSAL PIPE ANCHOR

SIZE

8.5x11

PATENT NO.

D772040

DWG NO.

901002-518f

THIS DRAWING AND THE DESIGN SHOWN IS THE SOLE PROPERTY OF ENGINEERED SUPPLY.

SCALE 1" = 1'-0"

SHEET 1 of 1