

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
-	1	ISSUED FOR USE	10/04/14	APG

GENERAL NOTES

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

BASE MATERIALS

Base material shall be capable of supporting the loads shown in accordance with the current applicable building codes for the project location, and the base material shall not exceed its yield strength under the test load shown.

Base materials shall be reviewed by an experienced licensed engineer.

ANCHOR BOLTS

All anchors shall be installed in strict accordance with the anchor manufacturer's instruction.

Anchor bolts shall have a washer with additional locking washer, deformed thread nuts, or permanent thread locking chemical to prevent loosening.

Anchor fasteners shall be torqued with a calibrated wrench in accordance to the anchor manufacturer's literature, or the equivalent tensile force from the noted test loading.

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 I14.1. 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 shall be initially load tested, annually inspected by a qualified person, and also re-certified within 10 years under direct supervision of an experienced licensed engineer.

BUILDING ENVELOPE

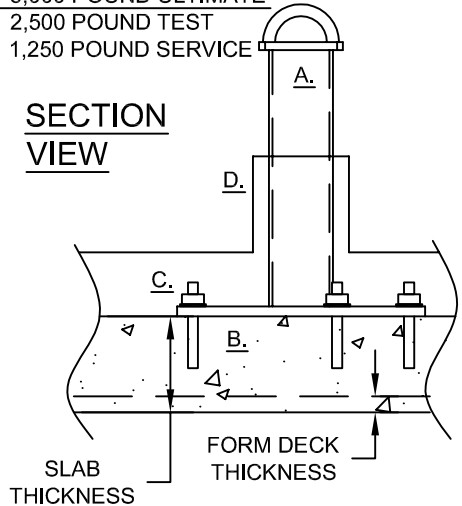
Installation and materials surrounding the anchor shall be designed by others in compliance with the applicable manufacturer's instructions and shall maintain the existing building warrantee as applicable.

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

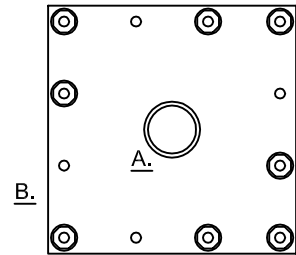
Touch up blemishes in hot dip finish with zinc rich paint, supply by installer.

LOAD TO HOOP, ANY DIRECTION
 5,000 POUND ULTIMATE
 2,500 POUND TEST
 1,250 POUND SERVICE

SECTION VIEW



PLAN VIEW



KEYED NOTES

- A. ENGINEERED SUPPLY STRONGTOP UNIVERSAL PIPE ANCHOR.
- B. CONCRETE SLAB, 4,000 PSI MINIMUM COMPRESSIVE STRENGTH.
- C. 1/2" DIAMETER HILTI TZ 304 STAINLESS STEEL EXPANSION BOLT. SEE HILTI DATA FOR HOLE DEPTH, ANCHOR LENGTH, AND OTHER INSTALLATION REQUIREMENTS. SUPPLY BY INSTALLER UNLESS NOTED OTHERWISE.
- D. ROOFING FLASHING PER ROOFING MANUFACTURER'S INSTRUCTION. SUPPLY BY INSTALLER UNLESS NOTED OTHERWISE.

PIPE HEIGHT	MINIMUM SLAB THICKNESS	TOTAL NUMBER OF ANCHORS	ANCHORS EACH SIDE	MINIMUM EMBEDMENT DEPTH	MAXIMUM FORM DECK THICKNESS
12"	5"	4	2	3.25"	1"
		8	3	2.0"	2.0"
14"	5"	4	2	3.25"	1"
		8	3	2.0"	2.0"
16"	5.5"	4	2	3.25"	1.5"
		12	4	2.0"	2.5"
18"	6"	4	2	3.25"	2.0"
		12	4	2.0"	3.0"
20"	6"	4	2	3.25"	2.0"
		12	4	2.0"	3.0"
24"	6.5"	8	3	3.25"	2.5"



ENGINEERED SUPPLY

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 STILLWATER, MN 55082
 612.508.7287

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STRONGTOP™

Permanent Suspended Maintenance

ES P/N 901002-511

GENERAL INSTALLATION DETAIL,
 CONCRETE SLAB ATTACHMENT,
 UNIVERSAL PIPE ANCHOR

SIZE	FSCM NO.	DWG NO.
8.5x11	-	901002-511

SCALE 1" = 1'-0" SHEET 1 of 1