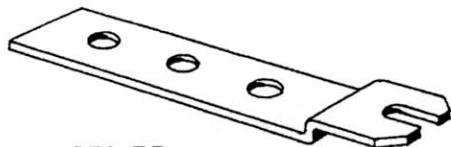
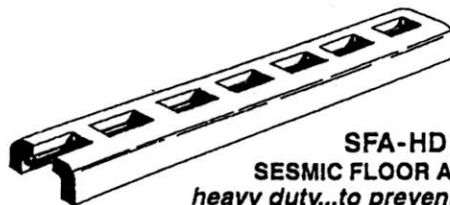


GONDOLA / WALL FLOOR ANCHORING

INSTALLATION INSTRUCTION ASY-357



SFA-RD
SEISMIC FLOOR ANCHOR
regular duty...to prevent skating
• Two 3/8"-16 x 3 1/2"
expansion bolts per anchor



SFA-HD
SEISMIC FLOOR ANCHOR
heavy duty...to prevent overturning
• Two 3/8"-16 x 3 1/2"
expansion bolts per anchor

SEE PAGE 2!

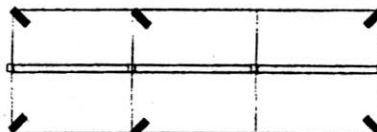
The number of **SFA-RD** anchors required for wall or gondola runs is the same.

NUMBER OF BASIC UPRIGHTS IN RUN	2 <i>or</i> 3	4 <i>or</i> 5	6 <i>or</i> 7	8 <i>or</i> 9	10 <i>or</i> 11	12 <i>or</i> 13	14 <i>or</i> 15	16 <i>or</i> 17	18 <i>or</i> 19	20 <i>or</i> 21	22 <i>or</i> 23	24 <i>or</i> 25
NUMBER OF ANCHORS REQUIRED	4	6	8	10	12	14	16	18	20	22	24	26

SFA-RD FLOOR ANCHORS ONLY!

Beginning at each end of a gondola or wall fixture run, SFA-RD floor anchors are to be installed at alternate base shoes.

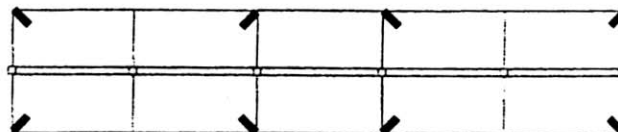
- All runs with an odd number of uprights will be anchored at alternate base shoes.
- All runs with an even number of uprights will be anchored at alternate base shoes, with a remaining single section at, or adjacent to, the middle of the run, as indicated by the shaded area in examples at right and below.



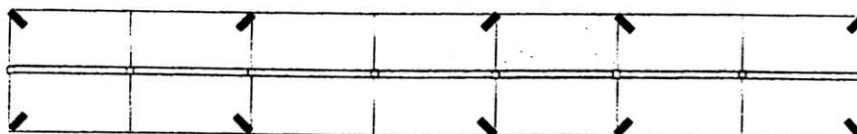
FOUR UPRIGHTS...requires SIX ANCHORS



FIVE UPRIGHTS...requires SIX ANCHORS



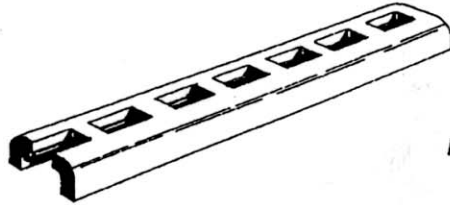
SIX UPRIGHTS...requires EIGHT ANCHORS



EIGHT UPRIGHTS...requires TEN ANCHORS

SEE PAGE 4 FOR EXPANSION BOLTS.

MORE!



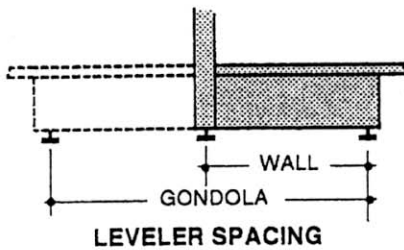
SFA-HD
SESMIC FLOOR ANCHOR
heavy duty...to prevent overturning
• Two 3/8"-16 x 3 1/2"
expansion bolts per anchor

NOTE!

To preclude overturning, the leveler spacing **times six**, cannot exceed the height of the upright.

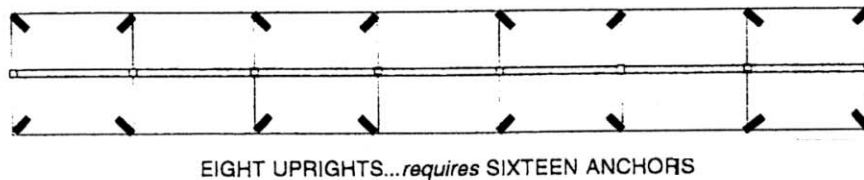
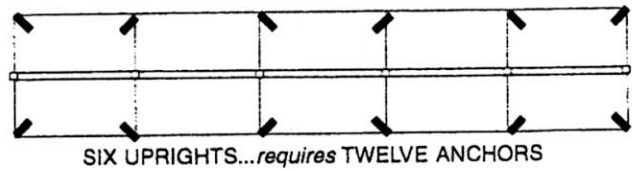
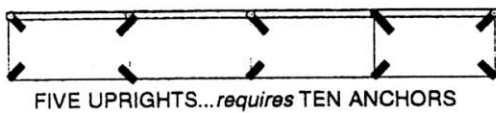
*...If uprights exceed the heights shown, they must be secured at the top, or:

- If gondola, base shoe levelers must be anchored to the floor as shown below.
- If wall, base shoe levelers **and upright levelers** must be anchored to the floor as shown below.



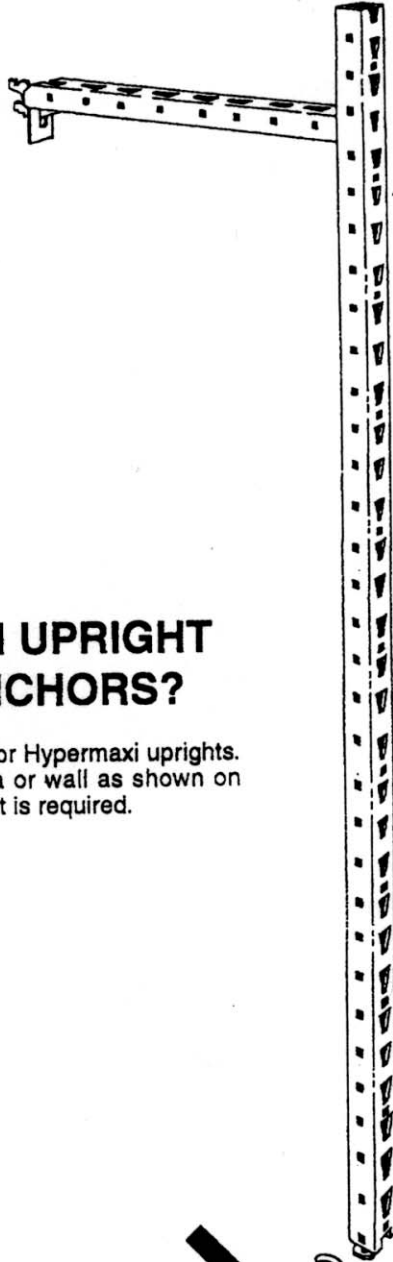
	Base shelf or shelves	Leveler spacing	* Highest unanchored upright
WALL	12"	9 1/2"	54"
	14"	11 1/2"	66"
	16"	13 1/2"	78"
	18"	15 1/2"	90"
	20"	17 1/2"	102"
	22"	19 1/2"	114"
	24"	21 1/2"	120"
	26"	23 1/2"	138"
	28"	25 1/2"	144"
	30"	27 1/2"	162"
GONDOLA	12"/12"	19"	114"
	12"/14"	21"	126"
	14"/14"	23"	138"
	14"/16"	25"	144"
	16"/16"	27"	162"

ALL RUNS , GONDOLA OR WALL, REQUIRE TWICE THE NUMBER OF SFA-HD ANCHORS AS THE NUMBER OF UPRIGHTS IN THE RUN.



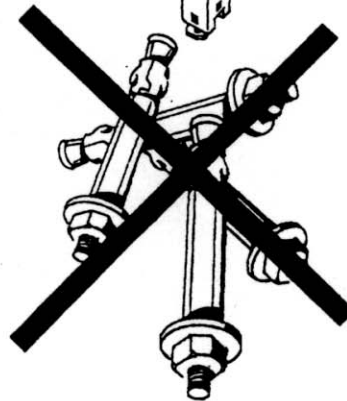
SEE PAGE 4 FOR EXPANSION BOLTS.

MORE!

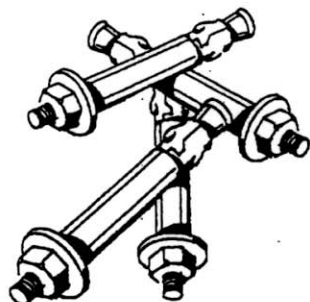


HYPERMAXI UPRIGHT FLOOR ANCHORS?

There are no anchors for Hypermaxi uprights.
Anchoring the gondola or wall as shown on
pages 1 and 2 is all that is required.



MORE 



Expansion bolts for gondolas and walls must be ordered separately.

PART NUMBER.....SFA-EB50

50 expansion bolts, 3/8" - 16 x 3 1/2"
POWERS/RAWL Rawl-stud or other
ICBO approved expansion bolts.

If expansion bolts were not ordered from Madix,
see below for ICBO approved substitutes.

NOTE!

The expansion anchors provided by Madix for floor anchoring at this site have been supplied by one of the manufacturers listed below. All the anchors have been tested and approved as stated by the following ICBO report numbers and all are manufactured in the United States or Canada. If the anchors are not provided by Madix and field substitution other than listed be proven, Madix cannot be held responsible. Should verification be required, call Madix Customer Service at:

800/776-2349

ICBO #

	▼
COBRA ANCHORS CORP., Parawedge concrete anchors.....	ER-2350 S1
DIVERSIFIED FASTENING SYSTEMS, DFS Wedge anchor.....	ER-4194 S1
GUNNEBO FASTENING CORP., Drop-in and Sup-r-stud concrete anchors.....	ER-3219 S1
HILTI, INC., Kwik-bolt-II concrete anchors.....	ER-4627 S1
HILTI, INC., HCKB Kwik-bolt concrete anchors.....	ER-5224 S1
ITW RAMSET/RED HEAD, ITW Ramset stud, Trubolt wedge and multi-set II concrete anchors.....	ER-4285
ISOMETRIC, LTD., Std, sleeve and drop-in anchor.....	ER-3631 S1
MARKSMAN MANUFACTURING CO., Thunderstud wedge anchor.....	ER-2713 S1
POWERS RAWL, Powers Rawl concrete anchors.....	ER-5225 S1
STAR EXPANSION CO., Wedge anchor Type 1.....	ER-2239
WEJ-IT, Wej-it anchor bolt and ANKR-TITE stud anchor.....	ER-1821 S1
YAMASHINA INTERNATIONAL, INC., Con-Lok concrete anchors.....	ER-4378

• Embedment must be minimum 5x bolt diameter.

OTHER ICBO APPROVED ANCHORING MATERIALS
...not furnished by Madix

PNEUMATIC OR POWDER-DRIVEN STEEL STUDS AND NAILS

DEBA INTERNATIONAL, Remington low velocity powder actuated fasteners.....	ER-5087
HILTI, INC., Hilti low velocity powder actuated or pneumatically driven fasteners.....	ER-2388
ITW RAMSET/RED HEAD, Ramset powder actuated and power point fasteners.....	ER-16739

ADHESIVE/ EPOXY ANCHORS

GUNNEBO FASTENER CORP., Liquid roc 300 polyester capsule, pump and twin tube anchors.....	ER-4320
HILTI, INC., HVA adhesive and HIT adhesive anchor systems.....	ER-5193
ITW RAMSET/RED HEAD, ITW Ramset Epcon system Ceramic 6 epoxy anchors.....	ER-4285
U.S. ANCHOR CORP., Solid bond HS-200, HST-200 and Concreive 1420 adhesive fasteners.....	ER-4398 S1
U.S. ANCHOR CORP., Ultra bond QC, At, Et and CA epoxy chemical anchors.....	ER-4996 S1

