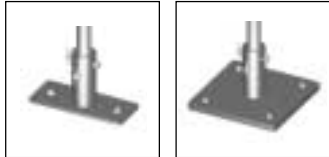


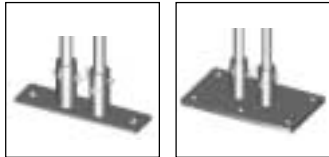


SEISMIC FLOOR PLATES

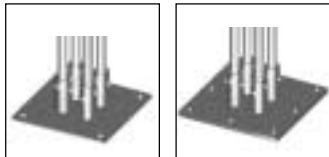
INSTALLATION INSTRUCTIONS



SASES25BP-1 SASES50BP-1



SASES25BP-2 SASES50BP-2



SASES25BP-4 SASES50BP-4



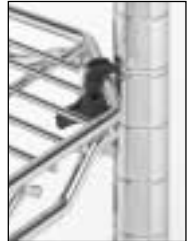
Wire Shelving Systems



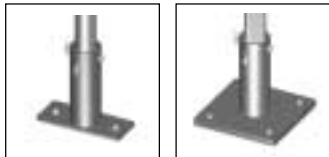
Super Adjustable 2™ Super Erecta® Shelving



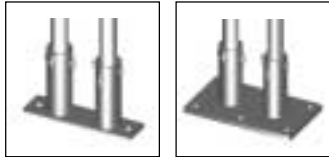
Original Super Erecta® Shelving



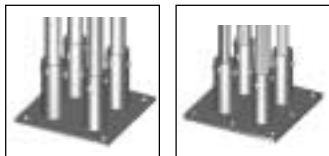
Super Erecta® qwikSLOT™ Shelving



SAQHD25BP-1 SAQHD50BP-1



SAQHD25BP-2 SAQHD50BP-2



SAQHD25BP-4 SAQHD50BP-4



MetroMaxQ® Shelving



HD Super™ Shelving



InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
For Product Information Call: 1-800-433-2232
Visit Our Web Site: www.metro.com

L01-418
9/05

Information and specifications are subject to change without notice. Please confirm at time of order.



SEISMIC FLOOR PLATES

LIST OF COMPONENTS:

(Floor Anchors not included)

Part Number:	Consists of:		
SASES25BP-1	(4) floor plates	(1) hardware bag	(1) label bag
SASES50BP-1	(4) floor plates	(1) hardware bag	(1) label bag
SASES25BP-2	(2) floor plates	(1) hardware bag	(1) label bag
SASES50BP-2	(2) floor plates	(1) hardware bag	(1) label bag
SASES25BP-4	(1) floor plate	(1) hardware bag	(1) label bag
SASES50BP-4	(1) floor plate	(1) hardware bag	(1) label bag
SAQHD25BP-1	(4) floor plates	(1) hardware bag	(1) label bag
SAQHD50BP-1	(4) floor plates	(1) hardware bag	(1) label bag
SAQHD25BP-2	(2) floor plates	(1) hardware bag	(1) label bag
SAQHD50BP-2	(2) floor plates	(1) hardware bag	(1) label bag
SAQHD25BP-4	(1) floor plate	(1) hardware bag	(1) label bag
SAQHD50BP-4	(1) floor plate	(1) hardware bag	(1) label bag

INSTALLATION INSTRUCTIONS

For Seismic Floor Plates

FLOOR PLATE ASSEMBLY TO SHELVING POST CONNECTION

The floor plate anchor assembly is designed to allow in-field leveling of the shelving and secure anchorage of the shelving to the floor plates. This is accomplished with **standard shelves and posts with leveling bolts**.

1. Place the assembled shelving unit in its intended location.
2. Mark on the floor the location of the shelving posts, or place the floor plates under the posts. Move the shelving unit out of the way.
3. Utilizing a template, or the actual floor plate, mark the location of the floor anchors, drill appropriate holes, and install the floor plates.
4. Move the shelving unit adjacent to the floor plates and level the unit. Lift the shelving unit and place the posts into the pipe sleeves in the floor plate assembly.
5. Once the shelving unit is in place and level, horizontal holes in each pipe sleeve are used to align a ¹³/₃₂" drill bit and a horizontal hole (or two, as determined from the Seismic Specifying Guide (L04-160)) is drilled through the post. Alternatively, the pipe sleeve holes can be used to mark the post hole locations, the shelving unit removed and the holes in the post drilled.

6. Install a ³/₈" diameter clevis pin (or two) from the supplied hardware bag through the floor plate pipe sleeve and post, install a hitch pin clip.

7. Finally, affix the proper label designating the unit as either 30 psf or 50 psf per shelf. The load rating is determined by the tables in the Seismic Specifying Guide and may be shown on the installation drawing provided with the quote package in the planning stage of this project.

Notes: The lowest shelf should be as close as possible to the floor plate, no higher than 12" from floor.

If cleaning is an issue, it is recommended a donut bumper be specified to cover any spaces between the post and the floor plate anchor pipe. These may have been specified in the quoting process and provided — if not, order the donut bumper to match the post type.

Metro does not provide the concrete floor anchors. The correct floor anchors must be used for the specific installation conditions and meet all applicable codes.

**INTERMETRO INDUSTRIES
FREE STANDING, FLOOR ANCHORED
SUPER ERECTA (SES) / SUPER ADJUSTABLE 2 SUPER ERECTA (SASE) / QWIKSLOT / HD SUPER / METROMAX Q SHELVIN IG
SEISMIC ANCHORAGE REQUIREMENTS**

GENERAL NOTES:

- A1. THE PRE-APPROVAL IS ONLY FOR ANCHORAGE. THE ENGINEER OF RECORD FOR A SITE SPECIFIC PROJECT MUST SUBSTANTIATE THE ADEQUACY OF THE SUPPORTING STRUCTURE.
- A2. THE PRE-APPROVAL IS ONLY FOR (1) A MAXIMUM 30 PSF AND 50 PSF CAPACITY LOCATED IN SEISMIC ZONES 3, 4 AND 4 NEAR FAULT (I.E. LESS THAN 2 KM.) WHICH STATES "MAX. LOADING 30PSF".
- A3. WHERE INSTALLATIONS REQUIRE A MAXIMUM 30 PSF CAPACITY, A POSTING SHALL BE REQUIRED WHICH STATES "MAX. LOADING 30PSF".
- A4. SPECIAL INSPECTION REQUIREMENTS OF SECTION 1701A, 2001 CBC, APPLY TO CONCRETE ANCHOR BOLT INSTALLATION.
- A5. CONCRETE ANCHORS SHALL BE AS CALLED FOR ON THE DETAILS. ANY SUBSTITUTIONS SHALL HAVE AN ENGINEER'S SIGNATURE AND SEAL. THE TESTING OF ALL EXPANSION ANCHORS SHALL BE IN COMPLIANCE WITH THE FOLLOWING:
 - ANCHORS (LOADED IN EITHER PULLOUT OR SHEAR), SHALL HAVE 50% OF THE BOLTS TESTED, IF THERE ARE ANY FAILURES, THE BALANCE OF THAT GROUP MUST ALSO BE TESTED.
- A6.
 - A. EXPANSION ANCHORS
 - EXPANSION ANCHORS SHALL BE HILTI HDI, ICBO ER-2885 UNLESS OTHERWISE NOTED
 - MINIMUM CONCRETE SLAB THICKNESS SHALL BE 3 7/8"
 - MINIMUM CONCRETE EDGE DISTANCE FROM CENTER OF ANCHOR SHALL BE 7 11/16"
 - PROOF LOAD TEST HDI BOLT TO A MINIMUM LOAD OF 2470 LBS. TENSION-PROOF LOAD TESTS SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY.
 - ADDITIONAL TEST SPECIFICATIONS PER CAN 1925.B.3.5 AS FOLLOWS:
 1. ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE ANCHORS
 2. APPLY PROOF TEST LOADS TO ANCHORS WITH NUT IN PLACE
 3. TEST LOADS SHALL BE AS FOLLOWS:

ANCHOR	TEST LOAD	TORQUE
5/8" HILTI HDI	2300 LBS	80 ft. LBS
 3. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED PROVIDED THE ANCHOR IS NOT RESTRAINED BY THE FIXTURE.
 4. TEST 50% OF THE INSTALLED ANCHORS PER CBC 1923A.3.5
 5. TESTING LAB SHALL CALIBRATE TEST EQUIPMENT INCLUDING TORQUE WRENCHES
 6. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION
 7. IF ANY ANCHOR FAILS TESTING, ALL ANCHORS IN THE SAME CATEGORY SHALL BE TESTED
 8. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
 - HYDRAULIC RAM METHOD: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD.
 - TORQUE WRENCH METHOD: THE ANCHOR SHOULD NOT BECOME LOOSE
 - RESULTS OF THE TESTING SHALL BE RECORDED AND THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN ONE HOUR OF TESTING
 9. ALL TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE INSPECTOR OF RECORD.

Summary of Anchorage Tables
Intermetro Super Erecta Wire Shelving

TABLE	DWG	Sheaf Length	Sheaf Width	Sheaf Lending	Anchor Plate Type
1A		24"	14" to 36"	30 psf	two bolt plate
1B	S3.0	-	-	50 psf	four bolt plate
1C		-	-	50 psf	two bolt plate
1D		-	-	50 psf	four bolt plate
2A		30"	-	30 psf	two bolt plate
2B	S4.0	-	-	50 psf	four bolt plate
2C		-	-	50 psf	two bolt plate
2D		-	-	50 psf	four bolt plate
3A		36"	-	30 psf	two bolt plate
3B	S5.0	-	-	50 psf	four bolt plate
3C		-	-	50 psf	two bolt plate
3D		-	-	50 psf	four bolt plate
4A		42"	-	30 psf	two bolt plate
4B	S6.0	-	-	50 psf	four bolt plate
4C		-	-	50 psf	two bolt plate
4D		-	-	50 psf	four bolt plate
5A		48"	-	30 psf	two bolt plate
5B	S7.0	-	-	50 psf	four bolt plate
5C		-	-	50 psf	two bolt plate
5D		-	-	50 psf	four bolt plate
6A		54"	-	30 psf	two bolt plate
6B	S8.0	-	-	50 psf	four bolt plate
6C		-	-	50 psf	two bolt plate
6D		-	-	50 psf	four bolt plate
7A		60"	-	30 psf	two bolt plate
7B	S9.0	-	-	50 psf	four bolt plate
7C		-	-	50 psf	two bolt plate
7D		-	-	50 psf	four bolt plate
8A		72"	-	30 psf	two bolt plate
8B	S10.0	-	-	50 psf	four bolt plate
8C		-	-	50 psf	two bolt plate
8D		-	-	50 psf	four bolt plate

A7.

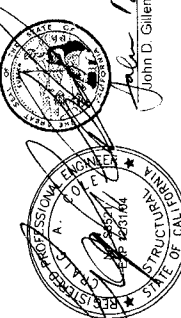
DESIGN CRITERIA

SEISMIC DESIGN:

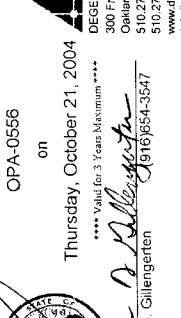
LATERAL FORCE ON ELEMENT OF STRUCTURE
 $F_p = ap Cs Ip ((1 + 3 \text{ in/rm}) W_p / R_p)$
 $F_p = 0.7 Ca Ip W_p$ (MINIMUM)
 $F_p = 4.0 Ca Ip W_p$ (MAXIMUM)
 $Ip = 1.5$ FOR ESSENTIAL FACILITIES
 WHERE: $ap = 1.5$ FOR SHALLOW ANCHORS
 $Ca = \text{VARIES FOR PROXIMITY TO NEAREST SEISMIC SOURCE}$
 $Ca = 0.36$ FOR SEISMIC ZONE 3, $Ca = 0.44$ FOR SEISMIC ZONE 4, AND
 $Ca = 0.66$ FOR SEISMIC ZONE 4 NEAR FAULT

InterMETRO		InterMetro Industries Corp. North Washington Street Wilkes-Barre, PA 18705	
DO NOT SCALE DRAWINGS	APPROVALS	DATE	TITLE
	DWN [L/S]	[8/31/04]	SEISMIC ANCHORAGE
	CHK [CAC]		SES / SASE / QWIKSLOT / HD SUPER / MAX Q
	PD [W/S]		FREE STANDING - FLOOR ANCHORED
	MFG [I]		GENERAL NOTES
NOTICE	METRO DWG. NO.	SCALE:	DWG. NO.
DRAWING IS NOT FOR USE OR DISCLOSURE OUTSIDE INTERMETRO INDUSTRIES CORP EXCEPT WITH PERMISSION	23209	N.T.S.	S1.0
			REV.
			SH 1 OF 10
			CAD GENERATED DRAWINGS DO NOT MANUALLY UPDATE

A P P R O V E D
 Fixed Equipment Anchorage
 Office of Statewide Health Planning and Development
 OPA-0556
 on
 Thursday, October 21, 2004
 **** Valid for 3 Years Maximum ****



John D. Gillengarten
 4916954-3547
 John D. Gillengarten

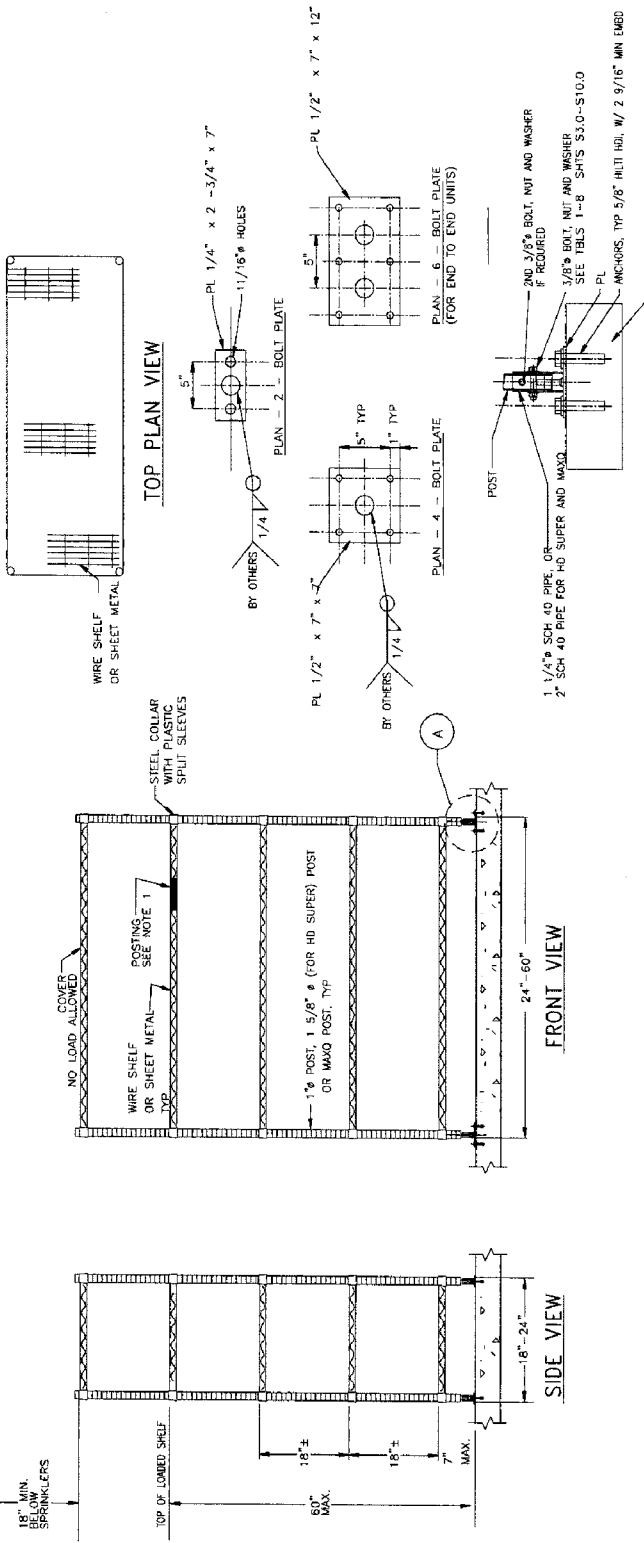


Degenkolb
 DEGENKOLB ENGINEERS
 300 Frank H. Ogawa Plaza, Suite 450
 Oakland, CA 94612
 510.272.8850 Phone
 510.272.8850 Fax
 www.dkeng.com
 Job # A10246.00



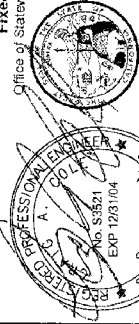
SEISMIC FLOOR PLATES

SINGLE UNIT CONDITION



- NOTES:
1. WHERE 30 PSF SHELF LOADING UTILIZED (USING TABLES 3A OR 3B) POSTING OF MAXIMUM SHELF LOADING REQUIRED
 2. CONCRETE THICKNESS MUST BE 3 9/16" TO ACCOMMODATE 5/8" HILTI HDL ANCHOR

APPROVED
 Office of Statewide Health Planning and Development
 OPA-0556
 on
 Thursday, October 21, 2004
 **** Valid for 3 Years Maximum ****
 John D. Gillengarten
 19167854-3547



Degenkolb
 DEGENKOLB ENGINEERS
 300 Frank H. Ogawa Plaza, Suite 450
 Oakland, CA 94612
 510.272.9040 Phone
 510.272.9526 Fax
 www.degenkolb.com
 Job # A1024600

DO NOT SCALE DRAWINGS		DATE	
APPROVALS	DWN [US]	CHK [CAC]	[8/31/04]
PD [MJS]		MFG []	
METRO DWG NO.	23209		
SCALE:	SIZE:	DWG. NO.	REV.
N.T.S.	B	SH 2 OF 10	S2.0
TITLE:		CAD GENERATED DRAWING DO NOT MANUALLY UPDATE	
SEISMIC ANCHORAGE		ANCHORAGE DETAILS	
FREE STANDING FLOOR ANCHORED			
SES / SASE / QWIKSLOT / HD SUPER / MAX Q			

InterMETRO
 InterMetro Industries Corp.
 North Washington Street
 Wilkes-Barre, PA 18705