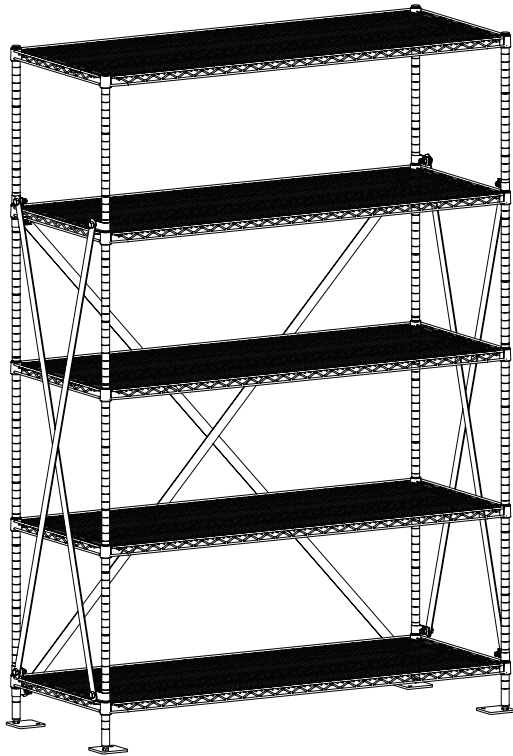
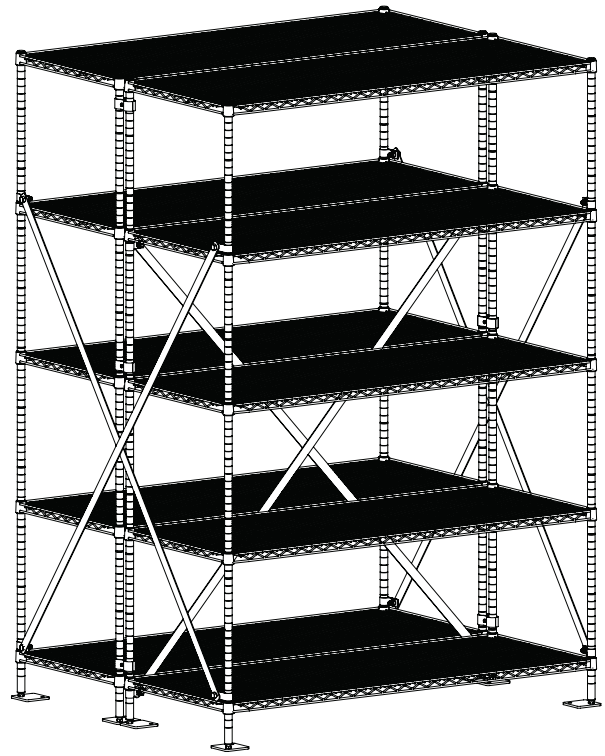


**Seismic Freestanding -  
Super Adjustable Super Erecta® (SASE)  
and Super Erecta® (SES) Shelving Units****SINGLE UNIT****BACK-TO-BACK UNIT**

**NOTE:** This document contains the original OSHPD pre-approval R-0129. R-0129 is valid for the 1998 California Building Code (CBC) which governed new building projects in the state of California designed to the requirements of the 1998 CBC and submitted to OSHPD prior to November 1, 2002. The components were not submitted to OSHPD for the 2001, 2007, or 2010 CBCs and thus have not earned pre-approval for building projects subject to these building codes. However, these seismic foot plates and sway braces can be used with Metro Super Erecta and Super Adjustable Super Erecta to earn site specific approval.



**InterMetro Industries Corporation**  
North Washington Street, Wilkes-Barre, PA USA 18705  
For Product Information Call: **1-800-992-1776**  
Visit Our Web Site: **www.metro.com**

**EMERSON**  
Commercial & Residential Solutions

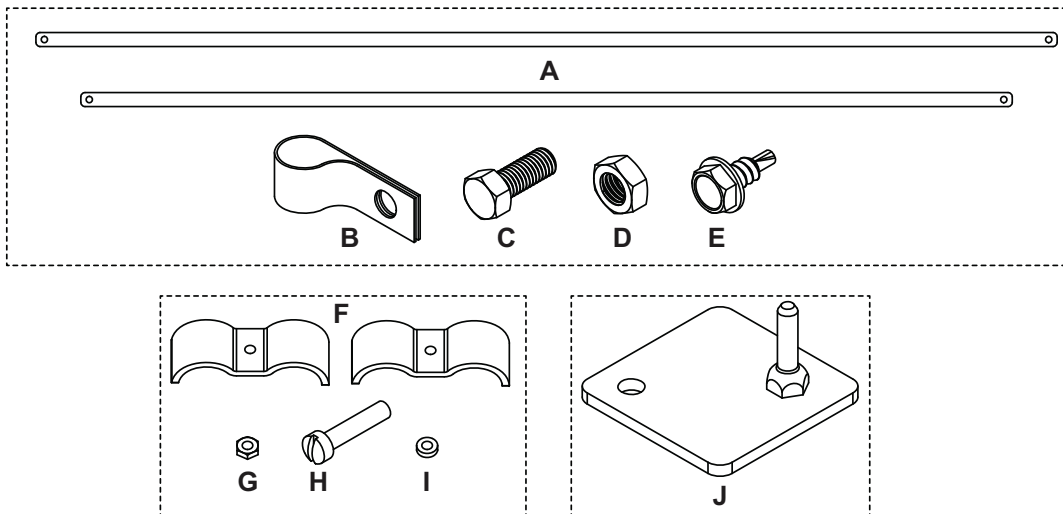
**Seismic Freestanding -  
Super Adjustable Super Erecta® (SASE)  
and Super Erecta® (SES) Shelving Units**

**NOTE:** Read the following prior to assembling your shelving unit.

Your shelving must be assembled as per any site-specific or local requirements.

- Assemble the first shelf a maximum of 7" from the floor.
- The highest loaded shelf must be no more than 60" from the floor.
- If a fifth shelf is to be used, it must serve only as a cover and not as a load bearing shelf.
- No more than four (4) loaded shelves are allowed within a 60" height.
- There must be a clearance of at least 18" below sprinkler systems.
- Each shelving unit, whether single or back-to-back, is a "stand-alone unit" it does not connect to other shelving units or walls.
- Shelving must be assembled using seismic posts only.

**LIST OF COMPONENTS**



SINGLE UNIT			BACK-TO-BACK UNIT		
ITEM	DESCRIPTION	QTY.	ITEM	DESCRIPTION	QTY.
A	End Sway Brace	4	A	End Sway Brace	4
	Back Sway Brace	2		Back Sway Brace	2
B	Sway Brace Clamp	12	B	Sway Brace Clamp	12
C	3/8 Hex Bolt	12	C	3/8 Hex Bolt	12
D	3/8 Hex Nut	12	D	3/8 Hex Nut	12
E	TEK Screw	12	E	TEK Screw	12
J	Foot Plate	4	F	Post Clamp	6
			G	10-24 Nut	6
			H	10-24 Screw	6
			I	Washer	12
			J	Foot Plate	8

# INSTRUCTIONS FOR USE

## SINGLE UNIT

Two People Required to Assemble Unit.

<p><b>1</b></p> <p>Post</p> <p>Foot Plate</p> <p>4x</p>	<p><b>2</b></p> <p>ASSEMBLE YOUR SHELVING UNIT AS DESCRIBED IN THE INSTRUCTION SHEET PACKED WITH THE SHELVING</p> <p>BE CERTAIN TO FOLLOW ANY SITE-SPECIFIC OR LOCAL REQUIREMENTS</p>	<p><b>3</b> SWAY BRACE CLAMP POSITION</p>	<p><b>4</b></p> <p>Sway Brace Clamp</p> <p>12x</p> <p>SPREAD THE CLAMP AND FIT</p>
<p><b>5</b></p> <p>End Sway Brace</p> <p>Nut</p> <p>Bolt</p>		<p><b>6</b></p> <p>Back Sway Brace</p>	
<p><b>7</b></p> <p>ON ALL SWAY BRACE CLAMPS</p> <p>3/16 Dia Hole</p>	<p><b>8</b></p> <p>TEK Screw</p>	<p><b>9</b></p>	<p><b>10</b></p> <p>ANCHOR THE FOOT PLATES TO THE FLOOR USING APPROVED DIAMETER EXPANSION ANCHORS OR THRU-BOLTS (NOT PROVIDED). See Anchorage Specific Chart on Page 5.</p> <p><b>NOTE:</b> For site-specific approval the anchorage to the structure must be independently verified for each installation by the Structural Engineer of Record. The Engineer of Record must also verify that the structure itself is adequate for applied loads.</p>

**Seismic Freestanding -  
Super Adjustable Super Erecta® (SASE)  
and Super Erecta® (SES) Shelving Units**

**INSTRUCTIONS FOR USE**

**BACK-TO-BACK UNIT**

Two People Required to Assemble Unit.

<p><b>1</b></p>	<p><b>2</b></p> <p>ASSEMBLE YOUR SHELVING UNIT AS DESCRIBED IN THE <u>INSTRUCTION SHEET</u> PACKED WITH THE SHELVING</p> <p>BE CERTAIN TO FOLLOW ANY SITE-SPECIFIC OR LOCAL REQUIREMENTS</p>	<p><b>3</b></p> <p>REFER TO PAGE 3 FOR INSTALLATION OF BACK SWAY BRACES ON SINGLE UNIT</p>	<p><b>4</b></p>
-----------------	--	--	-----------------

**5**

**8**

THIS COMPLETES THE ASSEMBLY OF BACK-TO-BACK UNIT

**6**

REFER TO PAGE 3 FOR INSTALLATION OF END SWAY BRACES ON SINGLE UNIT

**7**

ANCHOR THE FOOT PLATES TO THE FLOOR USING APPROVED DIAMETER EXPANSION ANCHORS OR THRU-BOLTS (NOT PROVIDED).  
See Anchorage Specific Chart on Page 5.

**NOTE:**  
For site-specific approval the anchorage to the structure must be independently verified for each installation by the Structural Engineer of Record. The Engineer of Record must also verify that the structure itself is adequate for applied loads.

**NOTE:**  
Follow site-specific or local requirements when installing shelving.

**NOTE:** Should you decide to dismantle your shelving system and move it to another location, follow the chart to help identify an End Brace from a Back Brace when reassembling the unit.

SINGLE UNIT END KIT		SINGLE UNIT BACK KIT		DOUBLE UNIT END KITS		DOUBLE UNIT BACK KITS	
SHELF WIDTH	BRACE LENGTH	SHELF LENGTH	BRACE LENGTH	SHELF WIDTH	BRACE LENGTH	SHELF LENGTH	BRACE LENGTH
18"	56 1/2"	24"	58 3/8"	18" & 18"	63 3/4"	24"	58 3/8"
21"	57 3/8"	30"	60 7/8"	21" & 21"	67 1/4"	30"	60 7/8"
24"	58 3/8"	36"	63 3/4"	24" & 24"	71"	36"	63 3/4"
		42"	67 1/4"	18" & 21"	65 1/2"	42"	67 1/4"
		48"	70 5/8"	18" & 24"	70 5/8"	48"	70 5/8"
		54"	74 5/8"	21" & 24"	69 1/16"	54"	74 5/8"
		60"	79"			60"	79"

**ANCHORAGE SPECIFICATION CHART**

OPTION	WEIGHT/ SQ. FT.	NO. BOLTS PER POST	DIA. OF. BOLTS	TYPE OF BOLTS	TORQUE	CONCRETE WEIGHT	EMBEDMENT DEPTH	WEIGHT POSTING	FOOT PLATE KIT
1	30 lb./sq. ft.	1	1/2"	Kwik Bolt II or Red Head Trubolt	50 ft-lb	Light or Normal	2 1/2"	Yes SA-TAG	SAFP
2	50 lb./sq. ft.	1	1/2"	Kwik Bolt II or Red Head Trubolt	50 ft-lb	Normal	4"	No	SAFP
3	50 lb./sq. ft.	1	5/8"	Red Head Trubolt	80 ft-lb	Light	4"	No	SAFP
4	50 lb./sq. ft.	2	3/8"	Kwik Bolt II	25 ft-lb	Normal	2 1/2"	No	SAFP-2
5	50 lb./sq. ft.	1	1/2"	Kwik Bolt II or Red Head Trubolt	50 ft-lb	Normal at Slab-on-Grade	2 1/2"	No	SAFP

# Seismic Freestanding - Super Adjustable Super Erecta® (SASE) and Super Erecta® (SES) Shelving Units

**MATERIALS:**

TUBING: COLD-ROLLED STAINLESS  
WIRES: COLD-DRAWN STAINLESS  
CLAMPS AND BRACING:

AISI C-1008  
1-304  
AISI C-1008  
1-304  
FK-33 MS  
FK-35 MS  
FK-60 MS  
FK-60 MS


**RENEWED**

California Office of Statewide  
Health Planning and Development

**FIXED EQUIPMENT ANCHORAGE**

**R-0129 April 2, 1998**

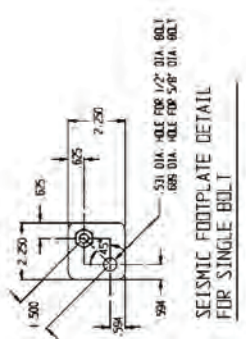
\*Valid for 3 Years Maximum



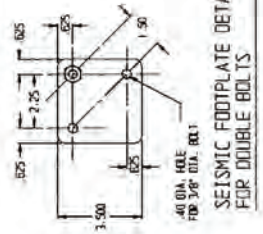
Terence P. Rizzo  
(916) 694-3382

**Razzano / Tovani Associates Inc.**  
365 Fortieth Street  
Oakland, CA 94609  
(510) 658-7825  
Structural Engineers FAX (510) 658-7090

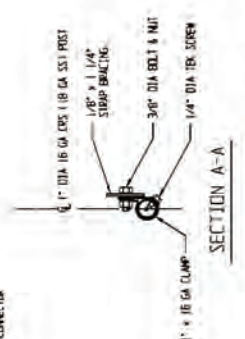
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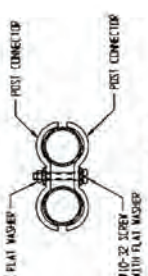
**SEISMIC FOOTPLATE DETAIL  
FOR SINGLE BOLT**



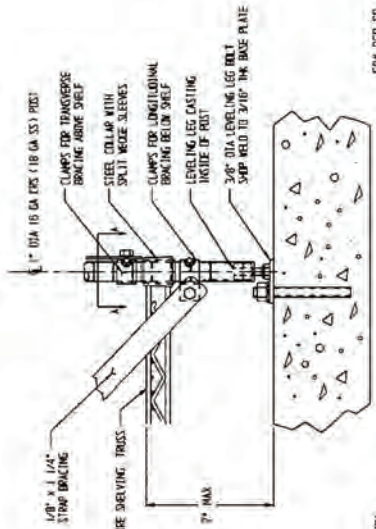
**SEISMIC FOOTPLATE DETAIL  
FOR DOUBLE BOLTS**



**SECTION A-A**



**SECTION B-B**



**DETAIL C-C**  
1/4" x 1"

**30" FREE SO. FT. INSTALLATION:**

- ONE 1/2" DIA. KNIB BOLT II OR RED-HEAD TRUBOLLY WITH 4" EMBEDMENT IN NORMAL WT. CONCRETE. TORQUE TO 50 FT-LBS.
- OR ONE 5/8" DIA. RED-HEAD TRUBOLLY WITH 4" EMBEDMENT IN LT. WT. CONCRETE. TORQUE TO 80 FT-LBS.
- OR TWO 3/8" DIA. H.H. ANVIL BOLT II WITH 2-1/2" EMBED IN NORMAL WT. CONCRETE. TORQUE TO 25 FT-LBS.
- OR ONE 1/2" DIA. ANVIL BOLT II OR RED-HEAD WITH 2 1/2" EMBEDMENT IN NORMAL WT. CONCRETE AT SLAB ON-GRADE CONDITION. TORQUE TO 50 FT-LBS.

C<sub>min</sub> = 1670N  
F<sub>ax</sub> = 6000  
F<sub>up</sub> = 6500

**50" FREE SO. FT. INSTALLATION:**

- ONE 1/2" DIA. KNIB BOLT II OR RED-HEAD TRUBOLLY WITH 4" EMBEDMENT IN NORMAL WT. CONCRETE. TORQUE TO 50 FT-LBS.
- OR ONE 5/8" DIA. RED-HEAD TRUBOLLY WITH 4" EMBEDMENT IN LT. WT. CONCRETE. TORQUE TO 80 FT-LBS.
- OR TWO 3/8" DIA. H.H. ANVIL BOLT II WITH 2-1/2" EMBED IN NORMAL WT. CONCRETE. TORQUE TO 25 FT-LBS.
- OR ONE 1/2" DIA. ANVIL BOLT II OR RED-HEAD WITH 2 1/2" EMBEDMENT IN NORMAL WT. CONCRETE AT SLAB ON-GRADE CONDITION. TORQUE TO 50 FT-LBS.

**30" FREE SO. FT. INSTALLATION:**

- ONE 1/2" DIA. KNIB BOLT II OR RED-HEAD TRUBOLLY WITH 4" EMBEDMENT IN N.W. OR RED. WT. CONCRETE. TORQUE TEST TO 50 FT-LBS.
- OR ONE 5/8" DIA. RED-HEAD TRUBOLLY WITH 4" EMBEDMENT IN N.W. OR RED. WT. CONCRETE. TORQUE TEST TO 80 FT-LBS.
- OR TWO 3/8" DIA. H.H. ANVIL BOLT II WITH 2-1/2" EMBED IN NORMAL WT. CONCRETE. TORQUE TO 25 FT-LBS.
- OR ONE 1/2" DIA. ANVIL BOLT II OR RED-HEAD WITH 2 1/2" EMBEDMENT IN NORMAL WT. CONCRETE AT SLAB ON-GRADE CONDITION. TORQUE TO 50 FT-LBS.

C<sub>min</sub> = 1670N  
F<sub>ax</sub> = 6000  
F<sub>up</sub> = 6500

FLOOR SHALL BE DESTROYED WITH SHELVES UNLOADED PER FOOTNOTE 12 TABLE 16-0 OF 1995 EDITION OF TITLE 24 CALIFORNIA CODE OF REGULATION.

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

**InterMETRO**  
TITLE: ISHPO PRE-APPROVAL R-0129  
ASSEMBLY DRAWING DETAILS  
SCALE: 1:20  
DRAWING NO. B18528 SHF 3 of 3  
DATE: 4/2/98  
BY: [Signature]

**NOTES:**

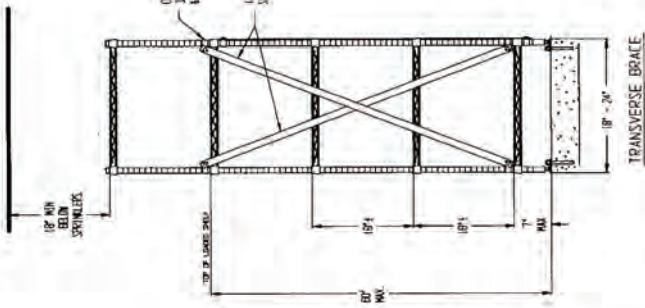
- A1 THE PRE-APPROVAL IS ONLY FOR THE SHELVING & ITS ANCHORAGE. THE ENGINEER OF RECORD FOR A SITE SPECIFIC PROJECT MUST SUBSTANTIATE THE AGENCY OF THE SUPPORTING STRUCTURE.
- A2. AND TEST SPECS PER P.4 1026-G AS FOLLOWS:
  1. SEE DETAIL C-C ON SH. B-3 FOR ERECTION AND INSTALLATION TORQUE
  2. ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE ANCHORS.
  3. APPLY PROVE TEST LOADS TO ANCHORS WITH NUT IN PLACE.
  4. REACTION LOADS FROM TEST EXPOSURES MAY BE APPLIED CLOSE TO THE ANCHOR.
  5. TEST SIZE OF THE INSTALLED ANCHORS PER 1053A.3.5
  6. TESTING LAB SHALL CALIBRATE TEST EQUIPMENT
  7. TORQUE WRENCH METHOD: 1/2 TURN OF NUT PER 1/2 IN. OF WEDGE.
  8. HYDRAULIC NUT: THE ANCHOR SHALL HAVE NO OBSERVED MOVEMENT. MOVEMENT CAN BE DETERMINED IF THE WEDGE UNDER THE NUT BECOMES LOOSE.
9. TESTING SHOULD OCCUR 24 HRS. MIN. AFTER INSTALLATION.
10. IF ANY ANCHOR FAILS TESTING, ALL ANCHORS IN THE SAME CATEGORY SHALL BE TESTED.
- A3. WEDGE INSTALLATIONS REQUIRE A MAX. 30 LB/30 SQ. FT. CAPACITY. A POSTING SHALL BE REQUIRED WITHIN STATES MAX. LOAD 30 LB. PER SQ. FT. SEE DETAIL C-C ON B3.



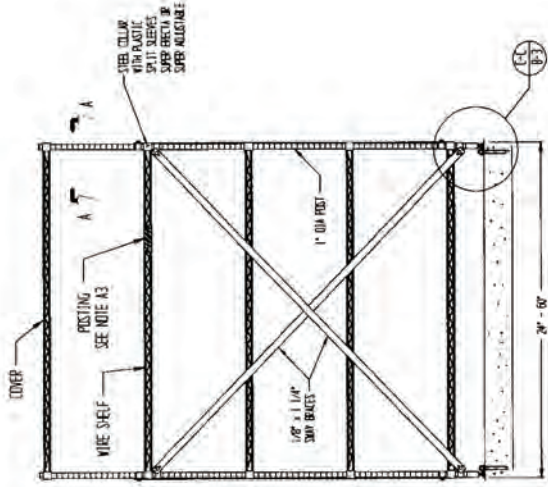
BASE PLAN VIEW



TOP PLAN VIEW



TRANSVERSE BRACE



LONGITUDINAL BRACE

1/4\"/>

**RENEWED**  
 California Office of Statewide Health Planning and Development  
**FIXED EQUIPMENT ANCHORAGE**  
**R-0129 April 2, 1998**  
 \*Valid for 3 Years Maximum

Veronica Foy (916) 654-3362

**Razzano / Tovadi Associates Inc.**  
 Structural Engineers  
 386 Fortieth Street  
 Oakland, CA 94608  
 (510) 658-7825  
 FAX (510) 659-7000

RIA NO. 97088 SHI. NO. OCTOBER, 1997 **B-1**



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

**InterMetro PRE-APPROVAL R-0129 SINGLE UNIT ASSEMBLY DRAWING**

SCALE: 1:20

DATE: 4/2/98

BY: KJM

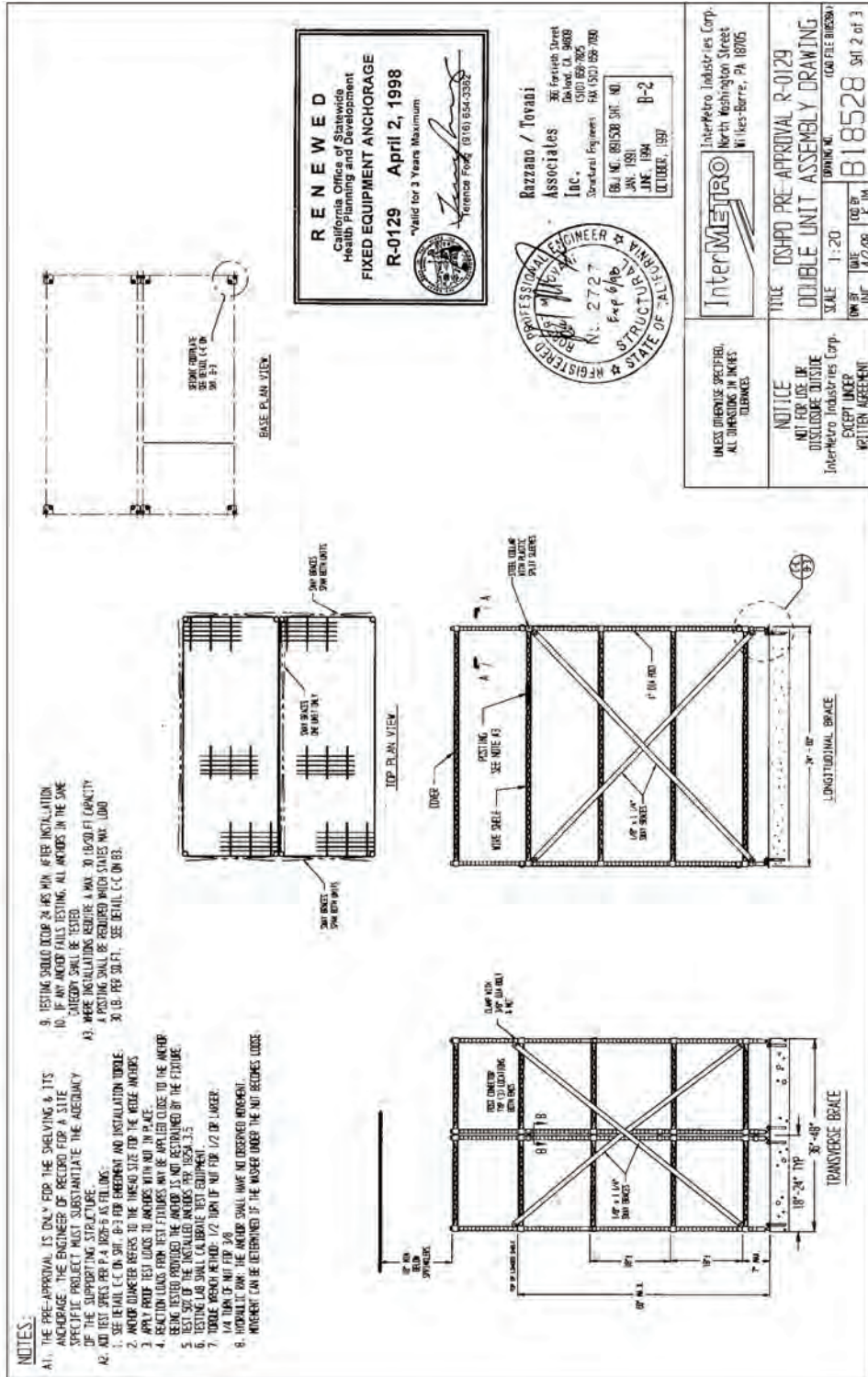
PROJECT NO: B18528

SHEET 1 of 3

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

NOTICE: NOT FOR USE OR DISTRIBUTION WITHOUT WRITTEN AGREEMENT FROM InterMetro Industries Corp.

# Seismic Freestanding - Super Adjustable Super Erecta® (SASE) and Super Erecta® (SES) Shelving Units



\* Save this document for future application, load rating and/or safety reference.