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RESILIENCE. STRENGTH. INNOVATION.

REV.	DATE	DESCRIPTION	ВҮ	ENGINEER	PROJECT	DESCRIPTION	REV #
						BRACE DETAILS	
				ENGINEER ASSISTANT	SITE	EVER PROJECT #	SHEET #
							EV-2

PROTECTED ZONE: WELDED, BOLTED, SCREWED OR SHOT-IN ATTACHMENTS FOR NON- STRUCTURAL ELEMENTS ARE

PROHIBITED WITHIN THE PROTECTED ZONE REGION DEFINED IN

THIS DETAIL. REFER TO AISC 341 SECTION 12.1.

STROKE ZONE: ATTACHMENTS ARE PROHIBITED IN THE BRACE STROKE ZONE. THE STROKE ZONE REGION MUST BE KEPT

CLEAR OF ANYTHING THAT MAY OBSTRUCT MOVEMENT BETWE THE CONN. AND THE BRACE RESTRAINER. ANY ATTACHMENTS

MADE TO THE RESTRAINER OR END CONNECTION THAT MAY PREVENT THIS MOVEMENT ARE PROHIBITED.

ANY OTHER CONNECTIONS TO THE BRACE ARE TO BE

APPROVED BY THE SEOR AND EVER SEISMIC, IN PARTICULAL

TO MANUFACTURE OF EVER BRACES.

-STROKE ZONE.

BEAM/COLUMN TYPE

BASEPLATE TYPE

TYPE "BC" CONNECTIONS

VIEW A - ELEVATION VIEW

RESTRAINER
ASSEMBLY

STROKE ZONE.
DO NOT
OBSTRUCT.

MOMENT TYPE

PINNED TYPE

(20) PROTECTED ZONE & DEMAND CRITICAL WELDS

TYPE "M" CONNECTIONS

TYP@ y SPINE TYP W_{sr} L_r-L_{srs} GUSSET

x FACE PLATE

RESTRAINER ;

CONNECTIONS TO THE BRACE INTENDED TO CARRY WIND OR OTHER LOADS BEYOND 50 LB (23KG) MUST BE APPROVED PRIOR

TYPE "C" & "S" (SIM) CONN.

w SIDE RESTRAINT z CORE PLATE

b_{sc1}

POLYSTYRENE FOAM (EPS) BETWEEN BRACE AND CONCRETE

TION TO BRACE MOVEMENT

y SPINE

EVER BRACE SECTIONS

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RESTRAINER ASSEMBLY PERIMETER —

(POSSIBLE CONFIGURATION)

SECTION A AT BRACE SECTION

(21) BRACE STROKE ZONE BURIED IN CONCRETE

FOAM (EPS) BETWEEN RESTRAINER AND GUSSET CHAMFER (STROKE ZONE).

TOP OF CONCRETE OR OTHER

OBSTRUCTION TO BRACE MOVEMENT

-PROVIDE LOW DENSITY EXPANDED POLYSTYRENE FOAM (EPS) AT BRACE END WHERE BURIED IN CONCRETE, TYPICAL.

-STROKE ZONE. DO NOT OBSTRUCT RESTRAINER MOVEMENT.

—GUSSET PLATE

EXTENT AS SHOWN IN SECTION A. CONCRETE OR OTHER OBSTRUCTION

TO BRACE MOVEMENT

——— CORE EXTENSION

SECTION B AT STROKE ZONE