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Hensel Phelps
Construction Co.

CMIT
CONSTRUCTION MATERIALS, INC.
4000 RAYE CIRCLE
SAN FRANCISCO, CA 94134
TEL: 415.774.7800

These drawings and specifications have been prepared by the Professional Engineer and are subject to the jurisdiction of the State of California.

NO.	REVISIONS	DATE
1	ISSUANCE	06/28/18
2	10% DESIGN DEVELOPMENT	07/28/18
3	30% DESIGN DEVELOPMENT	07/28/18
4	DESIGN DEVELOPMENT	07/28/18
5	PERMIT 20% REVIEW	10/26/18
6	STRUCTURE & CIVIL PANELS	11/16/18
7	DESIGN DEVELOPMENT	11/16/18
8	DESIGN DEVELOPMENT	11/16/18
9	DESIGN DEVELOPMENT	02/06/19
10	DESIGN DEVELOPMENT	02/06/19
11	DESIGN DEVELOPMENT	02/06/19
12	DESIGN DEVELOPMENT	02/06/19
13	DESIGN DEVELOPMENT	02/06/19
14	DESIGN DEVELOPMENT	02/06/19

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6.6 BOOSTER PUMP - MAX WEIGHT = 30 lbs (Floor Mounted per detail 1)

MAX WEIGHT OF PUMP	$W_p = 30 \text{ lb}$
HORIZONTAL SEISMIC FORCE	$F_{ph} = F_p \times W_p \times C_p = 55.53 \text{ lb}$
VERTICAL SEISMIC FORCE	$F_{pv} = F_p \times W_p \times C_p = 55.53 \text{ lb}$
MAX MOMENT OF PUMP	$M_p = F_{ph} \times L = 110.06 \text{ lb-ft}$
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ALLOWED AXIAL STRESS	$f_a = 36 \text{ ksi}$
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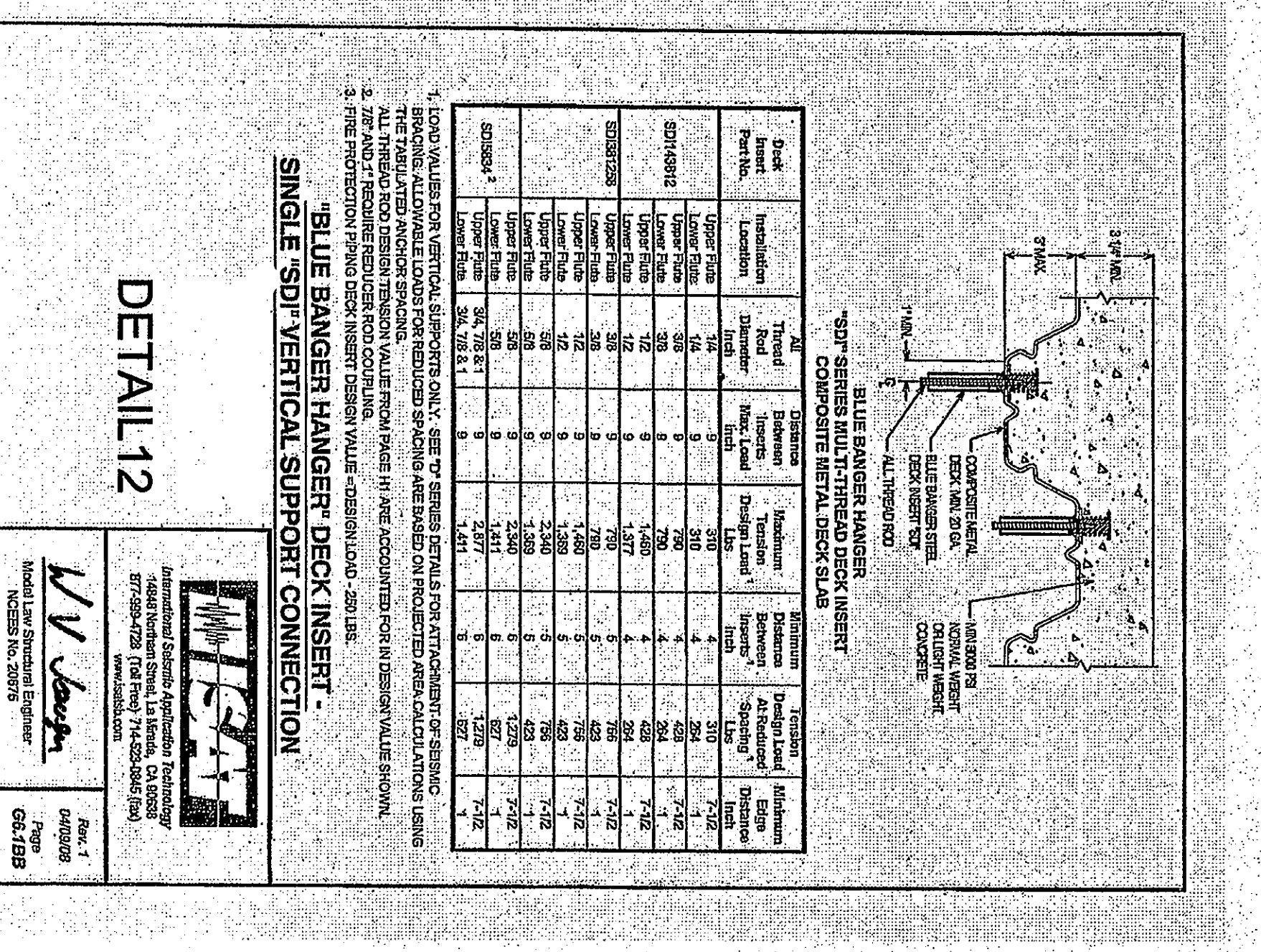
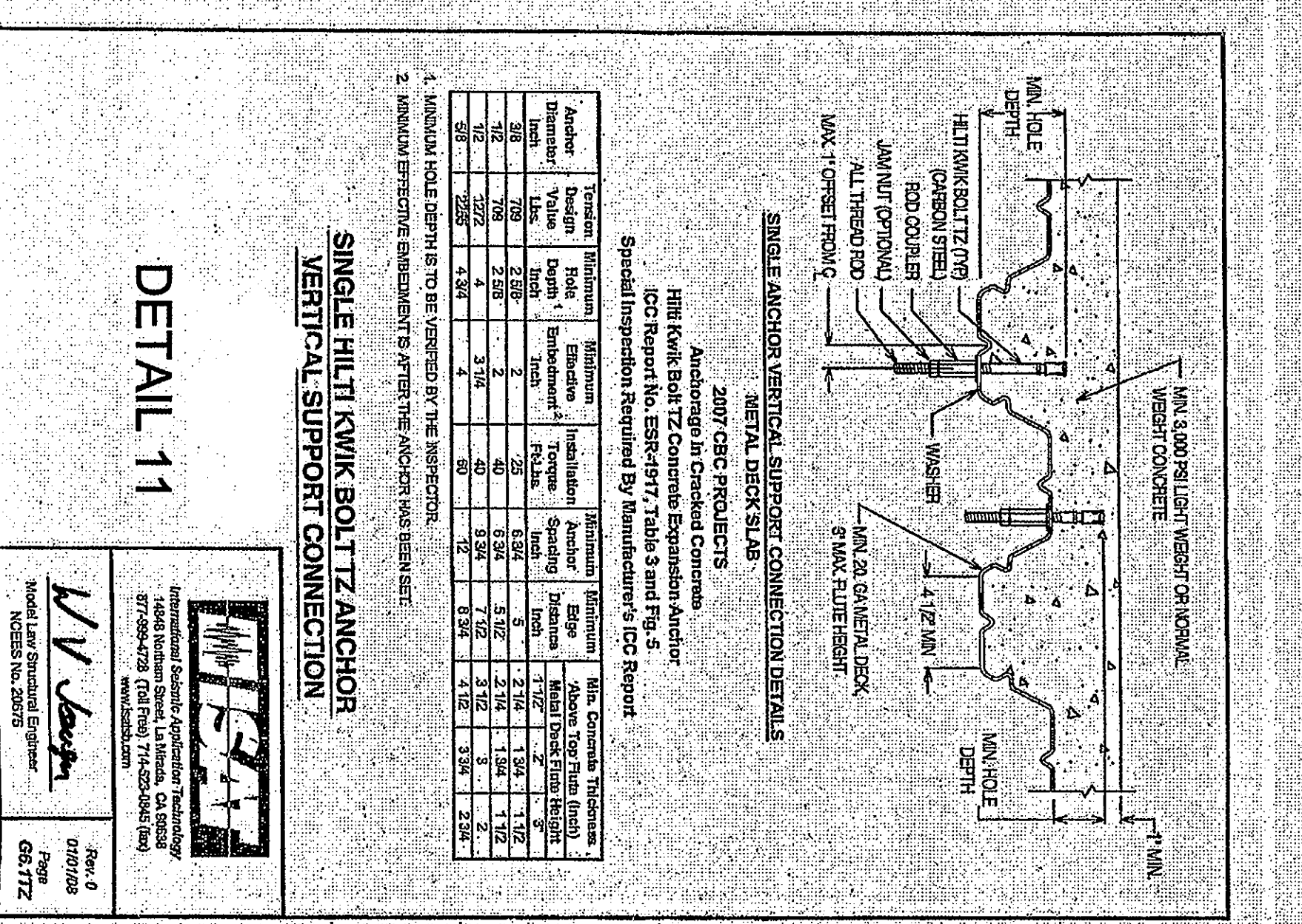
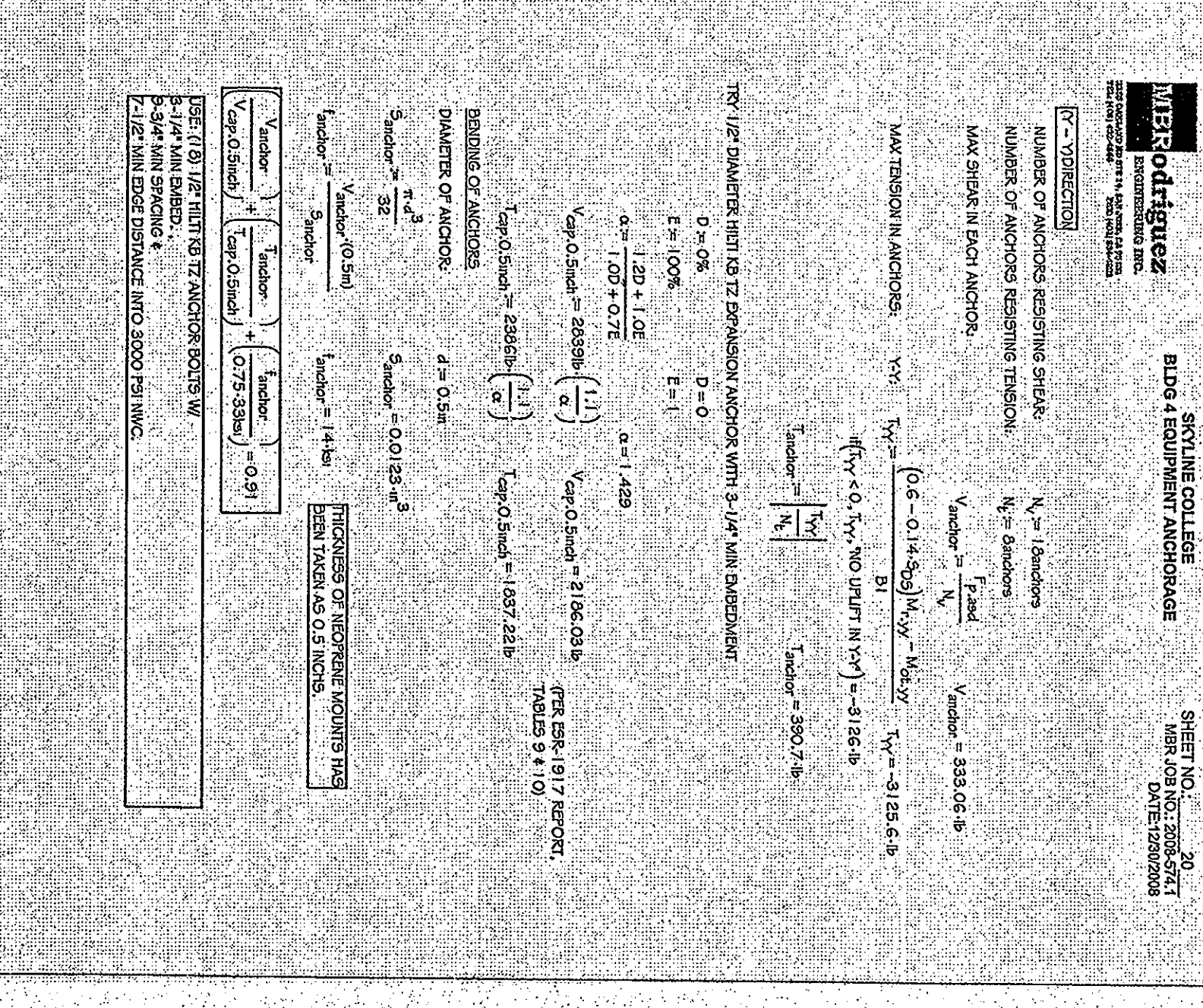
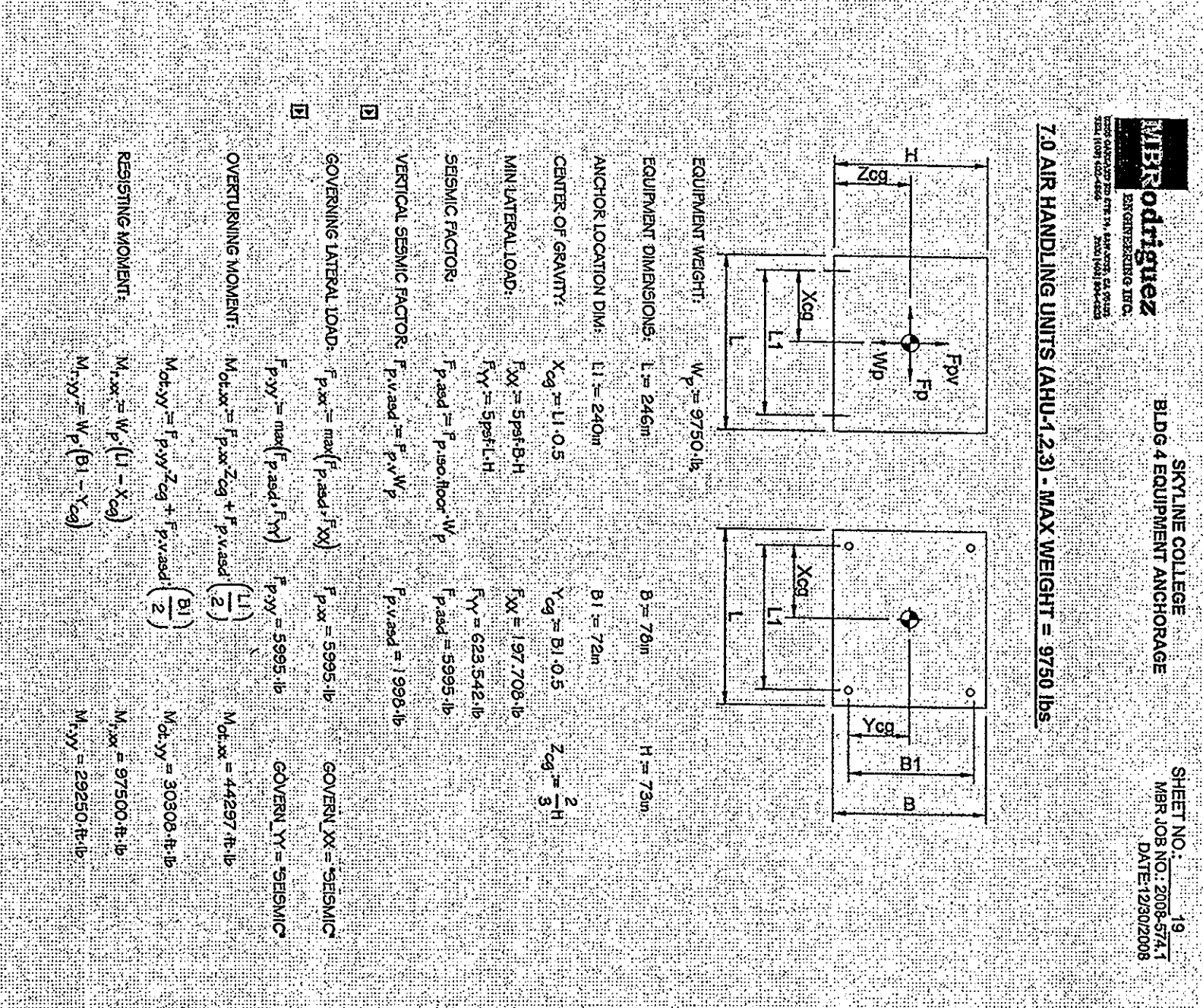
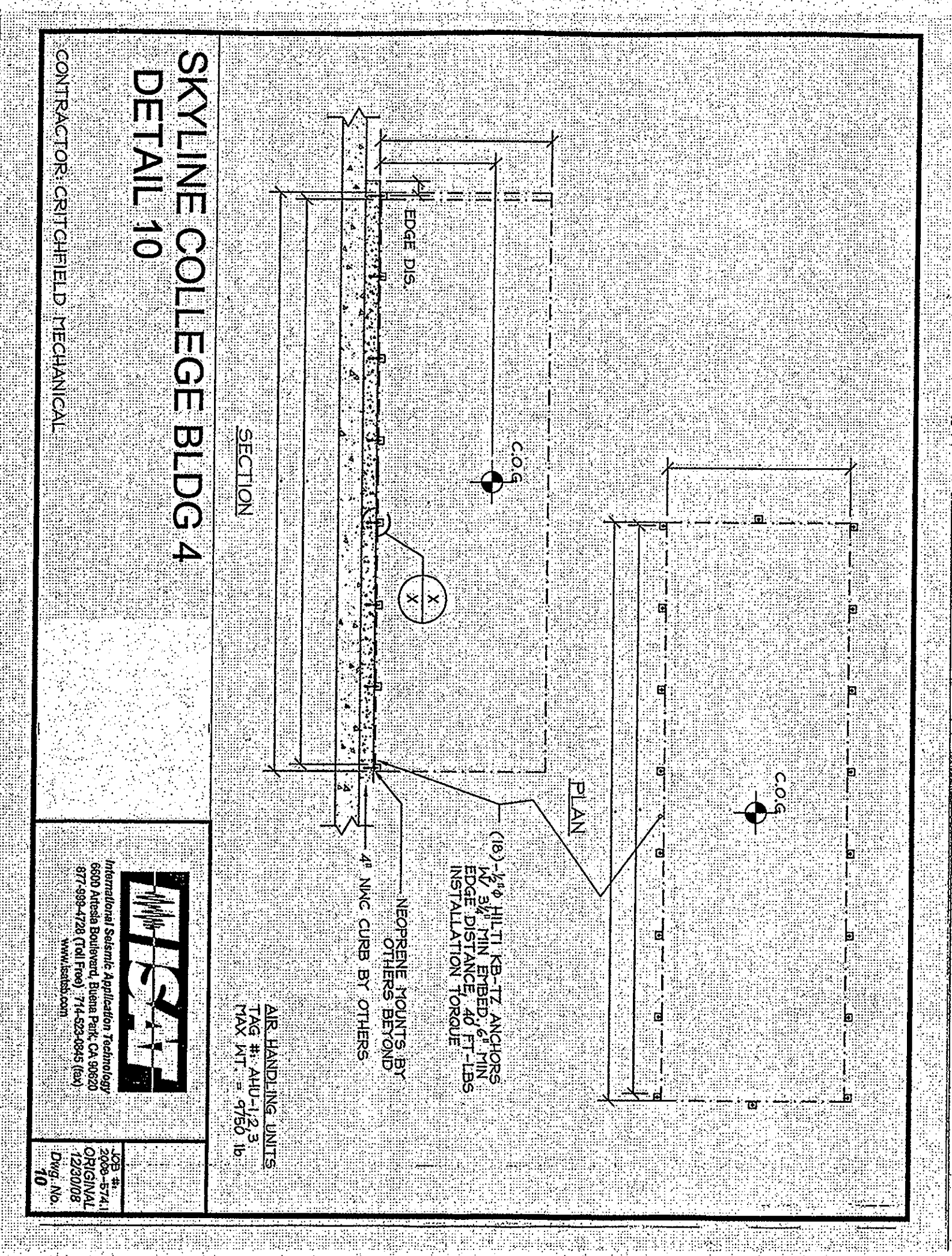
SECTION MODULUS	$S_x = 2.28 \text{ in}^3$
SECTION MODULUS	$S_y = 2.28 \text{ in}^3$
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