



DEGENKOLB ENGINEERS

300 South Grand Ave. #1115, Los Angeles, CA 90071

(213) 596-5000 (phone)

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www.degenkolb.com

Sheet

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Office Of Statewide Health Planning And Development ANCHORAGE PRE-APPROVAL

OPA - 2146 - 07

PRODUCT MANUFACTURER: PETER PEPPER PRODUCTS

PRODUCT NAME/TYPE/MODEL: PEPPERMINT & MINIMINT SHOWCASE [Model Series ESW, REW, PMW, MMW]

GENERAL NOTES:

1. FORCES ARE DETERMINED PER 2007 CALIFORNIA BUILDING CODE SECTION 1613A AND ASCE 7-05 SECTIONS 11, 12 AND 13 USING THE FOLLOWING EQUATION (EQ. 13.3-2):

$$F_p = 1.6 S_Ds I_p W_p = 4.62 W_p$$

$$F_v = 0.2 S_Ds W_p = 0.39 W_p \text{ WHERE,}$$

$$S_Ds = 2/3 F_a S_s = 1.927g \text{ (EQ. 11.4-3)}$$

$$I_p = 1.50$$

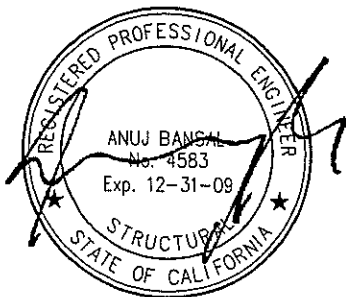
$$F_a = 1.00$$

$$S_s = 2.89 g$$

$$W_p = \text{MAXIMUM OPERATING WEIGHT}$$

NOTE THAT THE FORCE LEVEL IS FOR STRENGTH DESIGN

2. THIS PRE-APPROVAL CONFORMS TO THE 2007 CALIFORNIA BUILDING CODE.
3. THE DETAILS IN THIS PRE-APPROVAL MAY BE USED AT ANY LOCATION IN THE STATE OF CALIFORNIA.
4. THE DETAILS MAY BE USED FOR ANY LEVEL OF THE BUILDING WHERE THE ABOVE STATED PRODUCT IS LOCATED.





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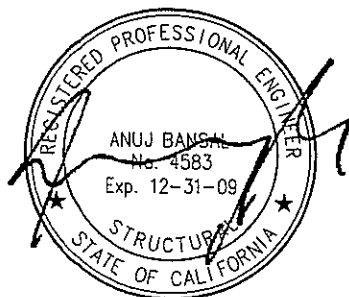
PRODUCT NAME/TYPE/MODEL: PEPPERMINT & MINIMINT SHOWCASE [Model Series ESW, REW, PMW, MMW]

GENERAL NOTES (CONT'D):

- 5. ALL LOADS SHOWN ON THE CALCULATIONS ARE BASED ON STRENGTH DESIGN.
- 6. THIS UNIT DOES NOT REQUIRE SEISMIC CERTIFICATION.
- 7. TYPICAL DIMENSIONAL TOLERANCE IS $\pm \frac{1}{4}$ ".

RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD:

- 1. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY NEW OR EXISTING ANCHORS.
- 2. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY WALL OPENINGS.
- 3. VERIFY THE INSTALLATION IS IN CONFORMANCE WITH THE 2007 CBC AND WITH THE DETAILS SHOWN IN THIS PRE-APPROVAL. VERIFY THAT THE EQUIPMENT'S ACTUAL WEIGHT, CG LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS AND THE MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN IN THIS PRE-APPROVAL.
- 4. VERIFY THAT THE CONCRETE WALL / CMU WALL WHICH THE UNIT IS ANCHORED IS NOT CRACKED.
- 5. DESIGN ANY SUPPLEMENTARY MEMBERS AND THEIR ATTACHMENTS WHICH THE UNIT IS ANCHORED TO. VERIFY THE ADEQUACY OF ANY EXISTING MEMBERS AND THEIR ATTACHMENTS WHICH THE UNIT IS ANCHORED TO, FOR THE FORCES EXERTED ON THEM BY THE UNIT IN ADDITION TO ALL OTHER LOADS AND FORCES.




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Fixed Equipment Anchorage
Office of Statewide Health Planning and Development

OPA-2146-07

Pre-approval Program Manager:
Anthony R. Pike
(916) 440-8470

George Zhu July 8, 2009
Reviewed By: George Zhu Date





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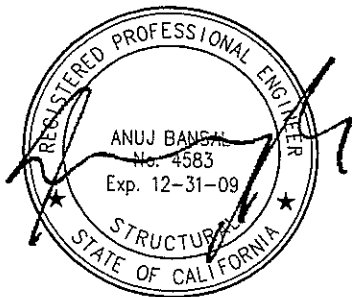
OPA - 2146 - 07

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PRODUCT NAME/TYPE/MODEL: PEPPERMINT & MINIMINT SHOWCASE [Model Series ESW, REW, PMW, MMW]

MATERIAL SPECIFIC NOTES FOR SUPPORTING STRUCTURAL MEMBERS:

1. LIGHT GAGE METAL:
MINIMUM GAGE: 20 GA.
MINIMUM YIELD STRENGTH (f_y) = 33 KSI
2. WOOD:
MINIMUM GRADE: DOUGLAS FIR NO.3 OR BETTER
MINIMUM SPECIFIC GRAVITY (G) = 0.46
3. CONCRETE:
MINIMUM UNIT WEIGHT = 110 pcf (LIGHT WEIGHT CONCRETE)
MINIMUM UNIT WEIGHT = 145 pcf (NORMAL WEIGHT CONCRETE)
MINIMUM COMPRESSIVE STRENGTH (f'_c) = 2000 PSI
4. MASONRY:
MINIMUM COMPRESSIVE STRENGTH (f_m) = 1500 PSI
5. SEE 2007 CALIFORNIA BUILDING CODE FOR MORE INFORMATION AND OTHER REQUIREMENTS.
6. IF THE WOOD MATERIAL USED HAS A LOWER QUALITY THAN WHAT IS SPECIFIED ABOVE, SEOR SHALL EVALUATE THE BACKING SUPPORT DESIGN.



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PETER PEPPER PRODUCTS

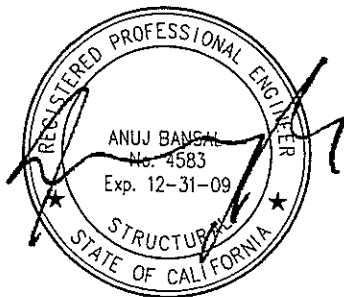
**PEPPERMINT & MINIMINT SHOWCASE
 ESW, REW, PMW, MMW**

Designed By	TY
Project #	A8621021.00
Date	10/24/2008

MODEL DIMENSIONS

Name	W (in)	H (in)	D (in)	Wt (lbs)
ESW	32	24	9	49
ESW	32	36	9	69
ESW	32	42	9	81
ESW	36	24	9	53
ESW	36	36	9	76
ESW	36	42	9	89
ESW	42	36	9	86
ESW	42	42	9	102
ESW	48	36	9	96
ESW	48	42	9	114
ESW-S	32	24	9	47
ESW-S	32	36	9	67
ESW-S	32	42	9	80
ESW-S	36	24	9	52
ESW-S	36	36	9	74
ESW-S	36	42	9	88
ESW-S	42	36	9	84
ESW-S	42	42	9	100
ESW-S	48	36	9	104

Name	W (in)	H (in)	D (in)	Wt (lbs)
ESW-S	48	42	9	126
ESW-Z	32	24	9	48
ESW-Z	32	36	9	68
ESW-Z	32	42	9	81
ESW-Z	36	24	9	53
ESW-Z	36	36	9	75
ESW-Z	36	42	9	89
ESW-Z	42	36	9	86
ESW-Z	42	42	9	101
ESW-Z	48	36	9	105
ESW-Z	48	42	9	128
REW	32	24	9	49
REW	32	36	9	69
REW	32	42	9	81
REW	36	24	9	54
REW	36	36	9	76
REW	36	42	9	90
REW	42	36	9	87
REW	42	42	9	102



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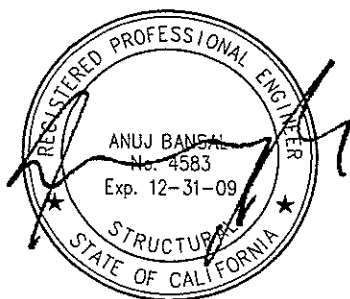
**PEPPERMINT & MINIMINT SHOWCASE
 ESW, REW, PMW, MMW**

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Date	10/24/2008

MODEL DIMENSIONS (CONT'D)

Name	W (in)	H (in)	D (in)	Wt (lbs)
REW	48	36	9	107
REW	48	42	9	129
REW	60	36	9	131
REW	60	42	9	158
REW	72	36	9	144
REW	72	42	9	169
REW-S	32	24	9	50
REW-S	32	36	9	70
REW-S	32	42	9	82
REW-S	36	24	9	56
REW-S	36	36	9	77
REW-S	36	42	9	91
REW-S	42	36	9	88
REW-S	42	42	9	104
REW-S	48	36	9	109
REW-S	48	42	9	131
REW-S	60	36	9	133
REW-S	60	42	9	160
REW-S	72	36	9	146

Name	W (in)	H (in)	D (in)	Wt (lbs)
REW-S	72	42	9	172
PMW	36	30	9	61
PMW	36	30	12	71
PMW	36	36	9	67
PMW	36	36	12	78
PMW	36	42	9	77
PMW	36	42	12	91
PMW	42	30	9	68
PMW	42	30	12	80
PMW	42	36	9	75
PMW	42	36	12	87
PMW	42	42	9	87
PMW	42	42	12	103
PMW	48	30	9	84
PMW	48	30	12	101
PMW	48	36	9	91
PMW	48	36	12	109
PMW	48	42	9	109
PMW	48	42	12	132



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PETER PEPPER PRODUCTS

**PEPPERMINT & MINIMINT SHOWCASE
 ESW, REW, PMW, MMW**

Designed By	TY
Project #	A8621021.00
Date	10/24/2008

MODEL DIMENSIONS (CONT'D)

Name	W (in)	H (in)	D (in)	Wt (lbs)
PMW-S	36	30	9	67
PMW-S	36	30	12	79
PMW-S	36	36	9	73
PMW-S	36	36	12	86
PMW-S	36	42	9	83
PMW-S	36	42	12	99
PMW-S	42	30	9	75
PMW-S	42	30	12	90
PMW-S	42	36	9	82
PMW-S	42	36	12	97
PMW-S	42	42	9	94
PMW-S	42	42	12	112
PMW-S	48	30	9	92
PMW-S	48	30	12	112
PMW-S	48	36	9	99
PMW-S	48	36	12	120
PMW-S	48	42	9	117
PMW-S	48	42	12	142

Name	W (in)	H (in)	D (in)	Wt (lbs)
MMW	30	24	7	36
MMW	30	30	7	41
MMW	30	36	7	49
MMW	36	24	7	42
MMW	36	30	7	47
MMW	36	36	7	57
MMW-S	30	24	7	40
MMW-S	30	30	7	45
MMW-S	30	36	7	53
MMW-S	36	24	7	47
MMW-S	36	30	7	52
MMW-S	36	36	7	62



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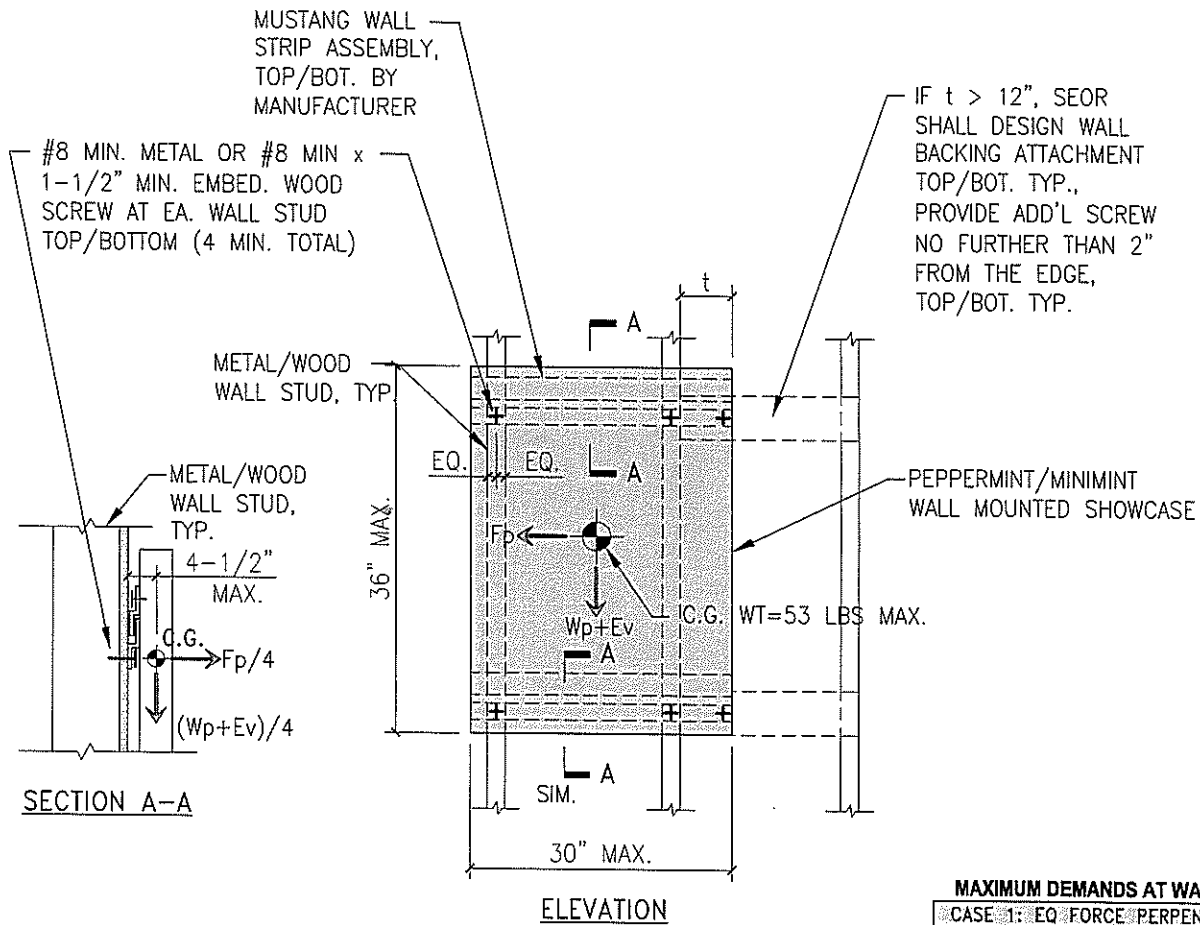
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PETER PEPPER PRODUCTS

PEPPERMINT & MINIMINT SHOWCASE
 ESW, REW, PMW, MMW

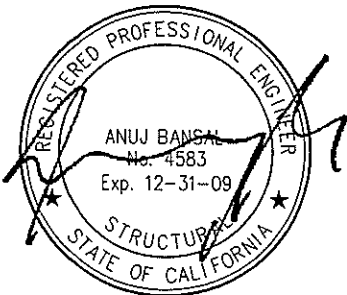
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METAL/WOOD STUDWALL ATTACHMENT (SMALL UNIT)



MAXIMUM DEMANDS AT WALL SCREWS

CASE 1: EQ FORCE PERPEND TO WALL	
TENSION = 66.5 LBS	SHEAR = 21.1 LBS
CASE 2: EQ FORCE PARALLEL TO WALL	
TENSION = 23.6 LBS	SHEAR = 64.7 LBS



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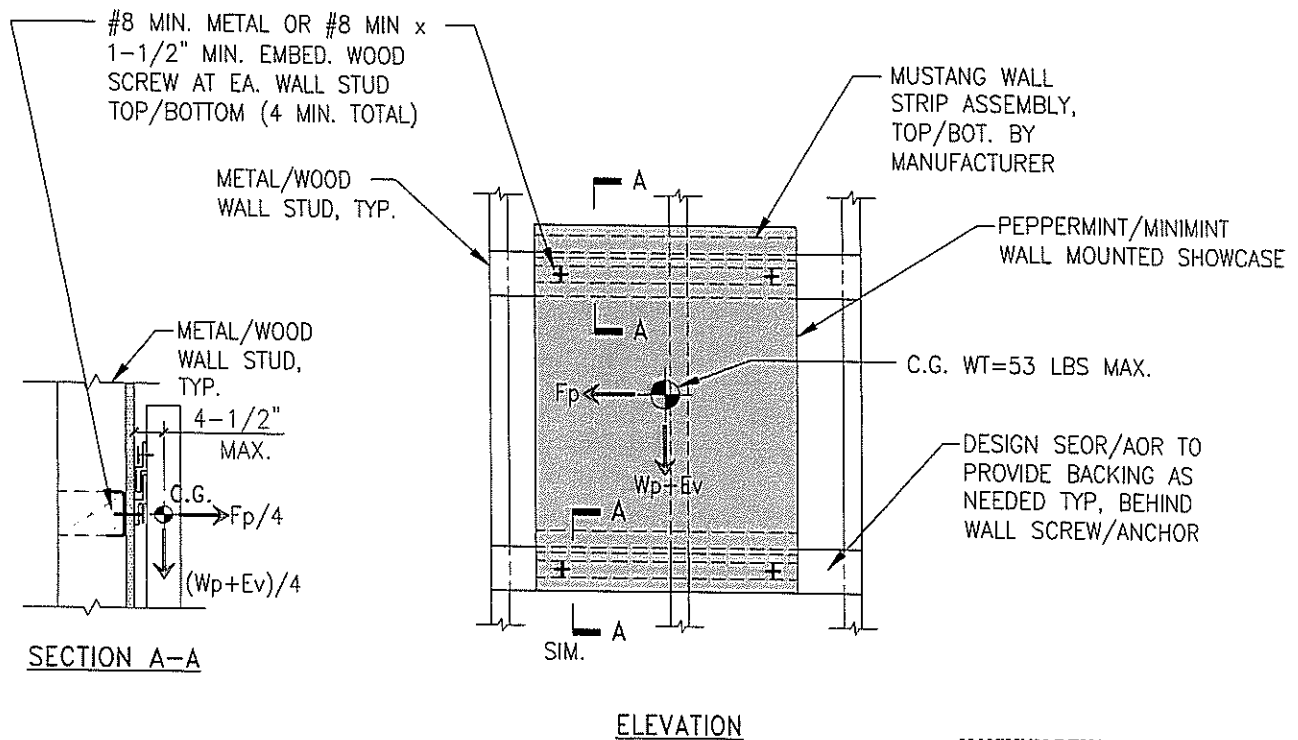
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PETER PEPPER PRODUCTS

PEPPERMINT & MINIMINT SHOWCASE
 ESW, REW, PMW, MMW

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METAL/WOOD STUDWALL ATTACHMENT (SMALL UNIT) - (ALTERNATE ATTACHMENT)

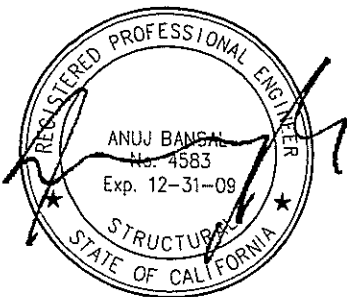


MAXIMUM DEMANDS AT WALL SCREWS

CASE 1: EQ FORCE PERPEND. TO WALL	
TENSION = 66.5 LBS	SHEAR = 21.1 LBS
CASE 2: EQ FORCE PARALLEL TO WALL	
TENSION = 23.6 LBS	SHEAR = 64.7 LBS

NOTES:

1. SEE PAGE 7 FOR INFO NOT SHOWN



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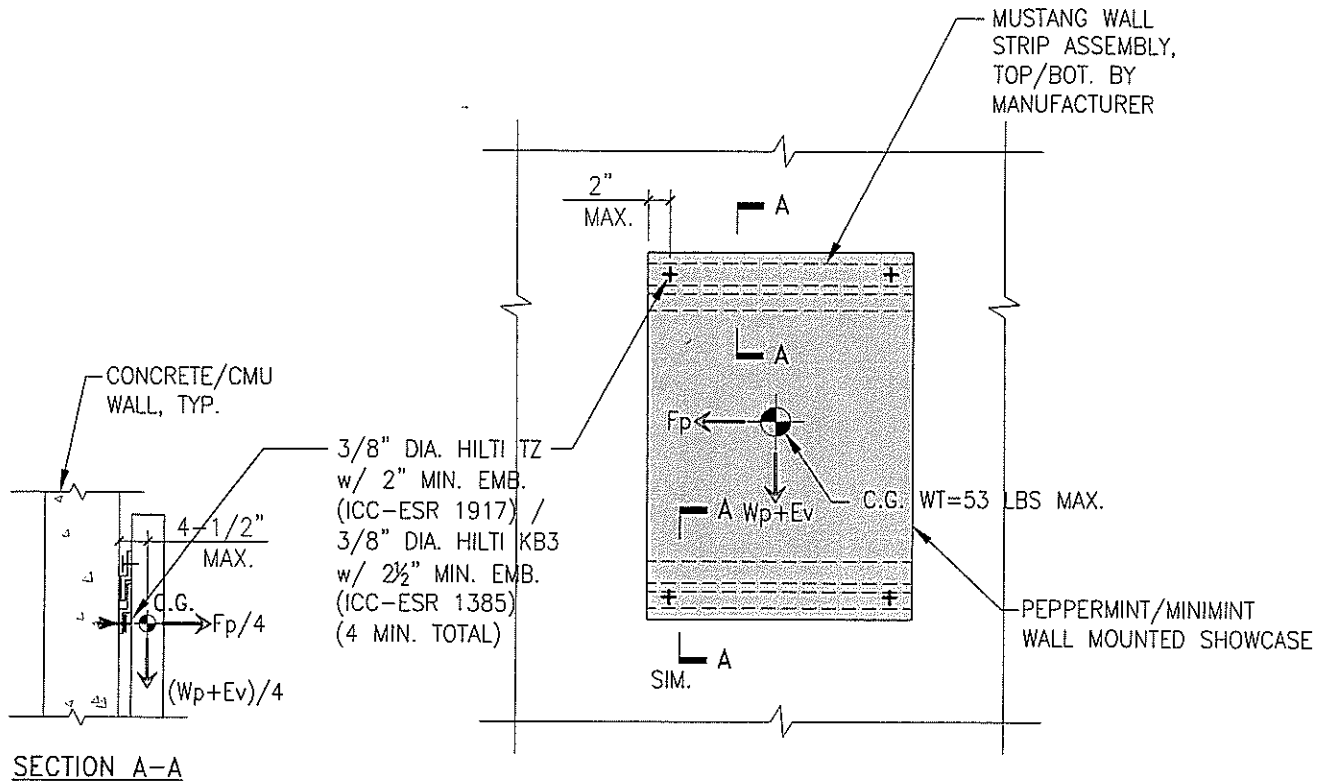
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PETER PEPPER PRODUCTS

**PEPPERMINT & MINIMINT SHOWCASE
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CONCRETE/CMU WALL ATTACHMENT (SMALL UNIT)



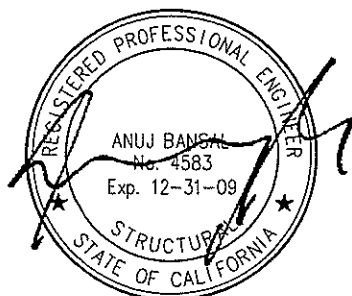
ELEVATION

MAXIMUM DEMANDS AT WALL ANCHORS

CASE 1: EQ FORCE PERPEND. TO WALL	
TENSION = 86.4 LBS	SHEAR = 27.4 LBS
CASE 2: EQ FORCE PARALLEL TO WALL	
TENSION = 30.7 LBS	SHEAR = 84.2 LBS

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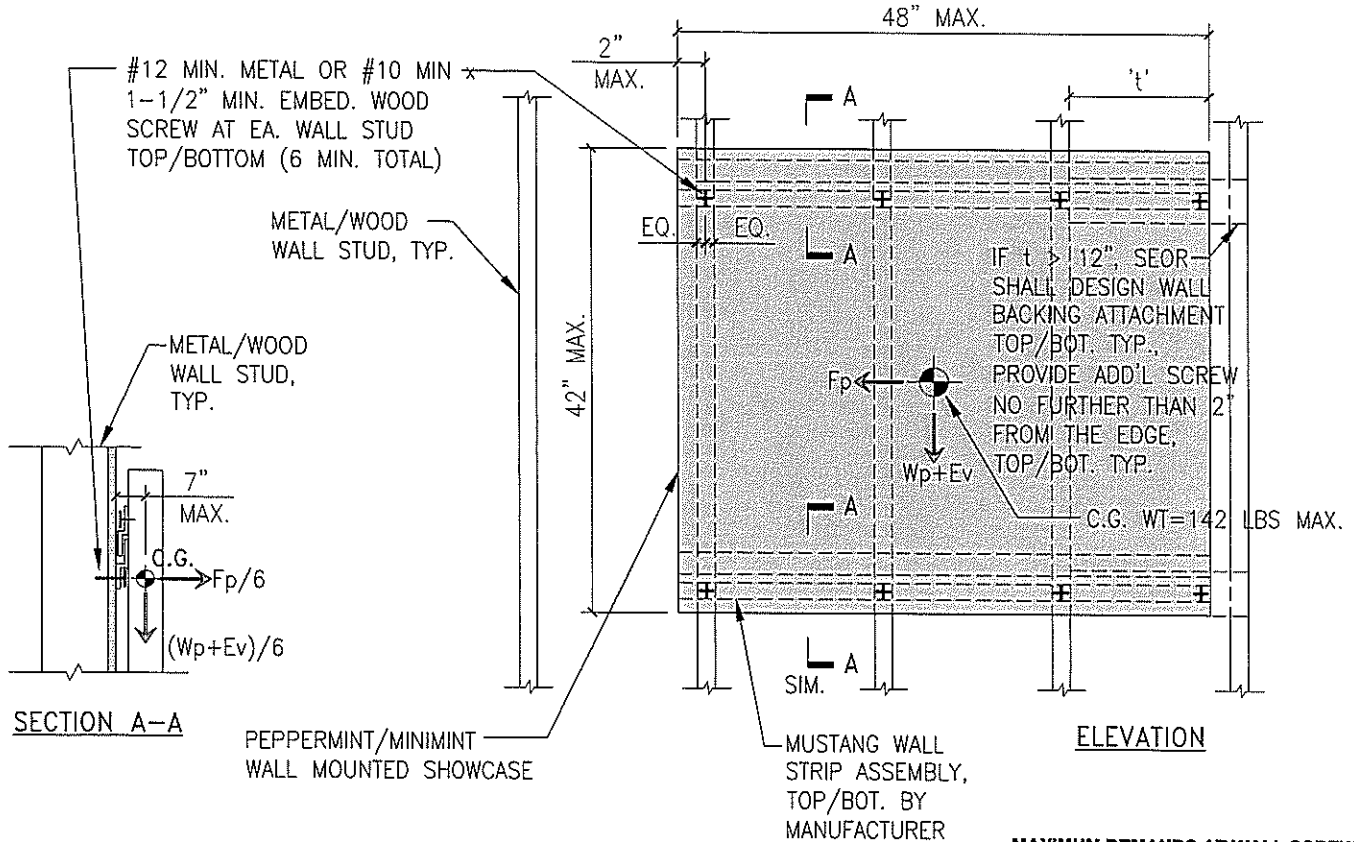
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PETER PEPPER PRODUCTS

PEPPERMINT & MINIMINT SHOWCASE
 ESW, REW, PMW, MMW

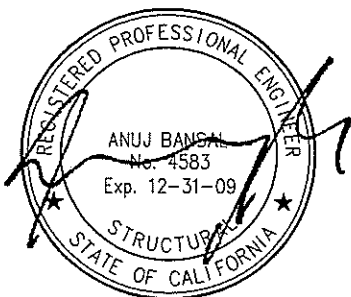
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 Project # A8621021.00
 Date 10/24/2008

METAL/WOOD STUDWALL ATTACHMENT (MEDIUM UNIT)



MAXIMUM DEMANDS AT WALL SCREWS

CASE 1: EQ FORCE PERPEND. TO WALL	
TENSION = 121.8 LBS	SHEAR = 37.6 LBS
CASE 2: EQ FORCE PARALLEL TO WALL	
TENSION = 60.3 LBS	SHEAR = 115.6 LBS



APPROVED

Fixed Equipment Anchorage
 Office of Statewide Health Planning and Development

OPA-2146-07

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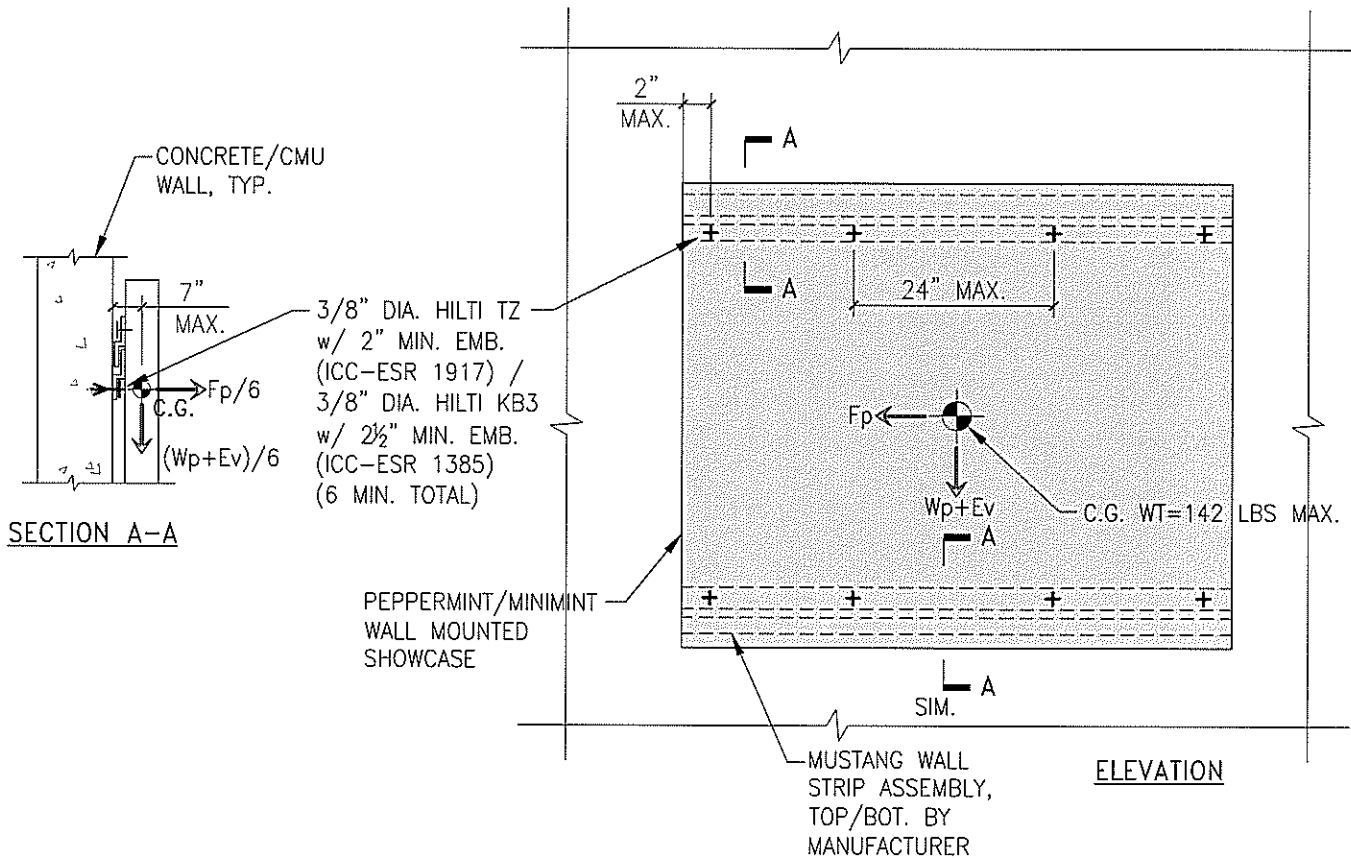
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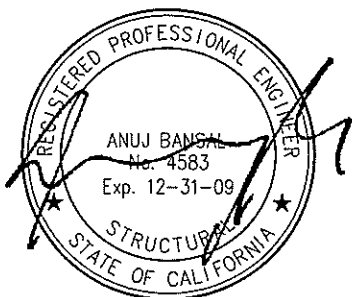


MAXIMUM DEMANDS AT WALL ANCHORS

CASE 1: EQ FORCE PERPEND. TO WALL	
TENSION = 158.3 LBS	SHEAR = 48.9 LBS
CASE 2: EQ FORCE PARALLEL TO WALL	
TENSION = 78.3 LBS	SHEAR = 150.3 LBS

NOTES:

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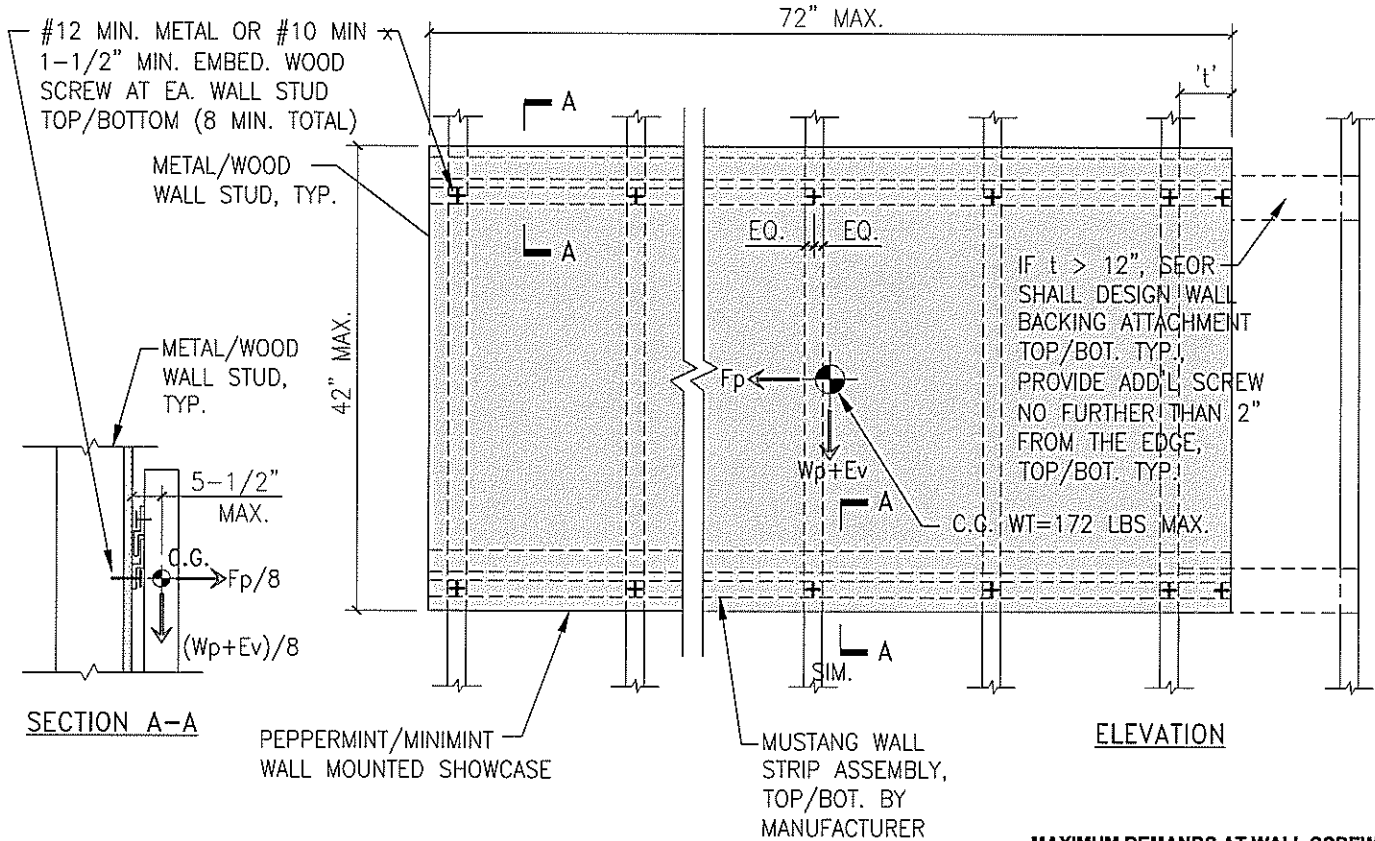
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PEPPERMINT & MINIMINT SHOWCASE
 ESW, REW, PMW, MMW

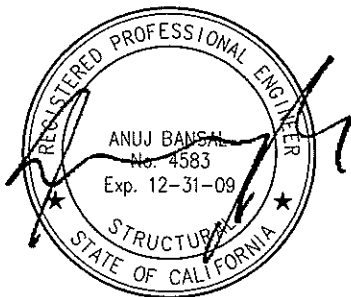
Designed By	TY
Project #	A8621021.00
Date	10/24/2008

METAL/WOOD STUDWALL ATTACHMENT (LARGE UNIT)



MAXIMUM DEMANDS AT WALL SCREWS

CASE 1: EQ FORCE PERPEND. TO WALL	
TENSION = 108.3 LBS	SHEAR = 34.2 LBS
CASE 2: EQ FORCE PARALLEL TO WALL	
TENSION = 39.3 LBS	SHEAR = 105.0 LBS



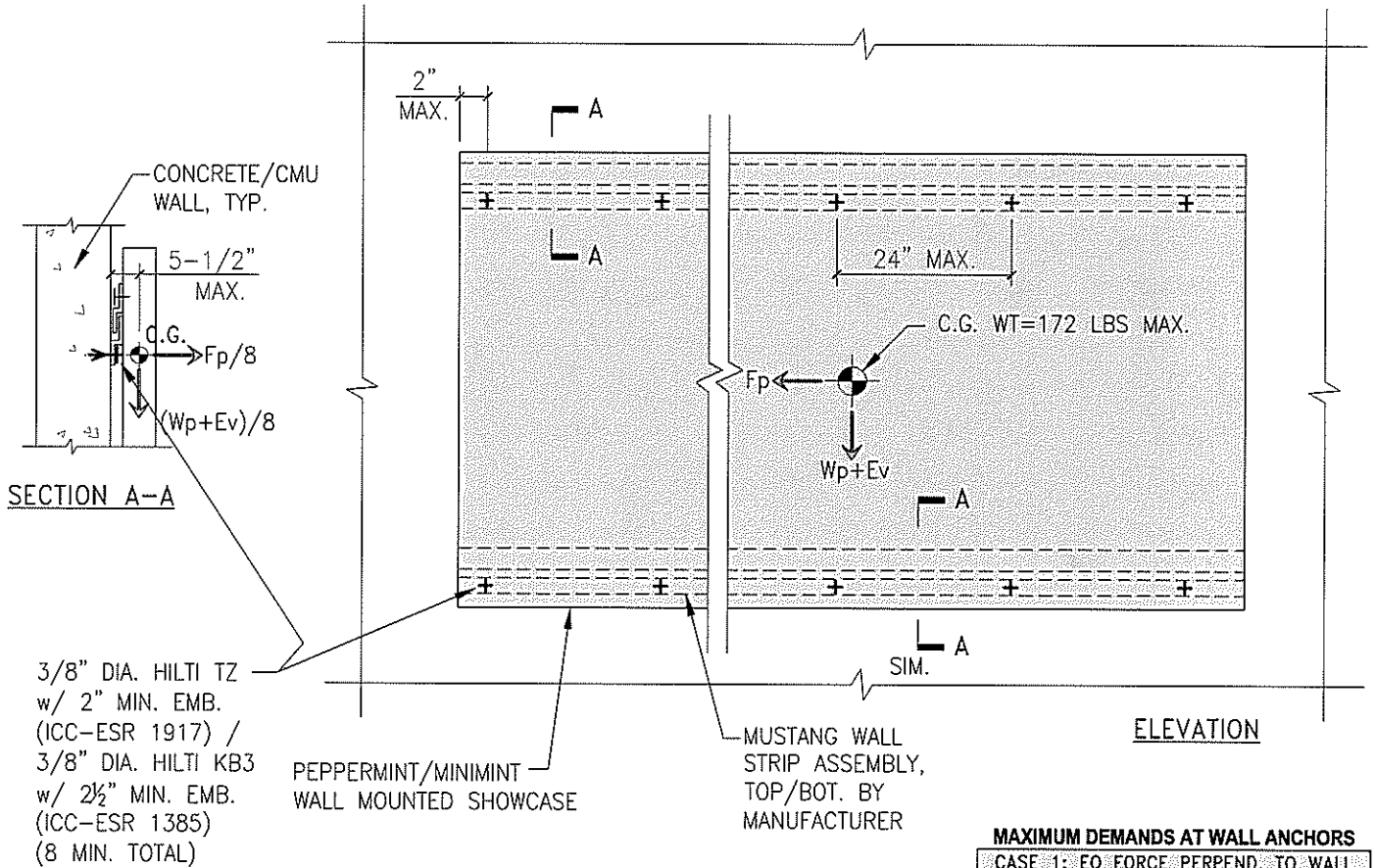
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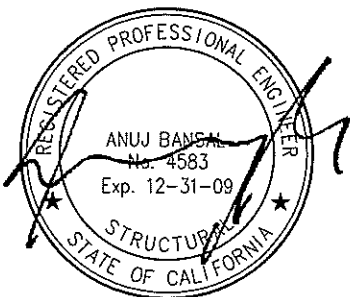
PETER PEPPER PRODUCTS PEPPERMINT & MINIMINT SHOWCASE ESW, REW, PMW, MMW	Designed By	TY
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CONCRETE/CMU WALL ATTACHMENT (LARGE UNIT)



NOTES:

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