Location of Construction: 121 Bishop St	Owner: Bill Goodnen	WTG L.L.C.	Phone:	883-4600	Permit No:9 8 0 9 2 4
Owner Address:	Lessee/Buyer's Name:	Phone:	Busines	sName:	PERMIT ISSUED
Contractor Name: Dahlgran Construction, Inn.	Address: 412 U.S. Rte 1,		04696		Permit Issued: AUG 9 1998
Past Use:	Proposed Use:	COST OF WOR		PERMIT FEE: \$ 145.00	
Vacant Building	FIRE DEPT. Approved USE Group: Type:				Zone: CBL: 291-A-002
Proposed Project Description: Remove existing steel siding Install new 26 gnage steel si		Action:	Approved	Signature: ES DISTRICT (P.A.D.) with Conditions:	☐ Shoreland ☐ Wetland ☐ Flood Zone
Permit Taken By:	Date Applied For:	Signature:		Date:	☐ Subdivision ☐ Site Plan maj ☐minor ☐mm ☐
3. Building permits are void if work is not start tion may invalidate a building permit and start and start tion may invalidate a building permit and start tion may invalidate a building permit and start tion may invalid			13	ISSUED JIREMENTS	☐ Conditional Use ☐ Interpretation ☐ Approved ☐ Denied Historic Preservation ☐ Not in District or Landmark ☐ Does Not Require Review ☐ Requires Review
					Action
I hereby certify that I am the owner of record of the authorized by the owner to make this application if a permit for work described in the application areas covered by such permit at any reasonable I	n as his authorized agent and I agree is issued, I certify that the code offici	ed work is authorized by the to conform to all applicable al's authorized representate code(s) applicable to such	e laws of th ive shall ha permit	record and that I have been is jurisdiction.	□Denied
authorized by the owner to make this application if a permit for work described in the application	he named property, or that the propose as his authorized agent and I agree is issued, I certify that the code offici	ed work is authorized by th to conform to all applicable al's authorized representat	e laws of th ive shall ha permit	record and that I have been is jurisdiction.	☐ Appoved ☐ Approved with Conditions ☐ Denied

The Committee of the Co

9/2/98 Spoke of contract meeting deemed nece	COMMENTS phone	. No on site is	WAR-CM
meeting deemed new	isday.	1	
11/17/99 Conselited			
11/17/99 Conjected.			
		Inspection Record	
	Type Foundation:		Date
	Framing:		

LAND USE - ZONING REPORT

12/2/54
ADDRESS: 121 BIShop St. DATE: 8/10/98
REASON FOR PERMIT: <u>Le move old à</u> , mostall New Steel Siding
BUILDING OWNER: Bill Goodman C-B-L: 291-A-Z
PERMIT APPLICANT: Steven Dissan - Dullgien Const
APPROVED: With conditions DENIED:
\ #9
CONDITION(S) OF APPROVAL
1. During its existence, all aspects of the Home Occupation criteria, Section 14-410, shall be
maintained. 2. The footprint of the existing shall not be increased during maintenance reconstruction.
3. All the conditions placed on the original, previously approved, permit issued on
4. Your present structure is legally nonconforming as to rear and side setbacks. If you were to demolish the building on your own volition, you will not be able to maintain these same
setbacks. Instead you would need to meet the zoning setbacks set forth in today's
ordinances. In order to preserve these legally non-conforming setbacks, you may only rebuild the garage in place and in phases.
5. This property shall remain a single family dwelling. Any change of use shall require a
separate permit application for review and approval. 6. Our records indicate that this property has a legal use of units. Any change
in this approved use shall require a separate permit application for review and approval.
7. Separate permits shall be required for any signage. 8. Separate permits shall be required for future decks and/or garage.
(9.) Other requirements of condition A Separate Dermit 15 (equited when
is proposed for this building so that Zonny i Bld
Campliance is reviewed & Approved
CONFINE IS ICO - 177 P
Marge Schmuckal, Zoning Administrator,
Asst. Chief of Code Enforcement

THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

Building or Use Permit Pre-Application

Attached Single Family Dwellings/Two-Family Dwelling

Multi-Family or Commercial Structures and Additions Thereto

In the interest of processing your application in the quickest possible manner, please complete the Information below for a Building or

NOTE**If you or the property owner owes real estate or personal property taxes or user charges on ANY PROPERTY within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Addressof Construction (include Portion of Building)	121 Bisho	4-22		
	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		1	
Total Square Footage of Proposed Structure 856	OFEXISTING Square Footage	e of Lot	Acres	an ere
Tax Assessor's Chart, Block & Lot Number	Owner: O(BillG	oodinan)	Telephone#:	
Chart# 291 Block# A Lot# 2	WTG L.L.C		(207) 883	-4600
Owner's Address: POBOX 1660	Lessee/Buyer's Name (If Applical	ole) (Cost Of Work:	Fee
Portland, PAE 04104	None		\$ 25,000	\$ 145-
Proposed Project Description:(Please be as specific as possible)	al 1 - · l	Marie Marie and Australia		
Remove Existing	Steel Sidily	7 /		
E Install New.	26 gauge St.	ed Sidin	2	
Contractor's Name, Address & Telephone Dahly - en Const Inc 41	2US Route #1.	Yarmonth M.	E04096 Re	c'd By
Current Use: VACANT	Proposed Use:	VACAN	7	110
•All construction must be conducted in complia •All plumbing must be conducted in comply we should be shou	eted in compliance with the ith the 1996 National Elect tioning) installation must: Sour Deed or Purchase and Your Construction Contract 3) A Plot Plan/Site Plan the above proposed projects.	State of Maine Plum rical Code as a mendicomply with the 193 Sale Agreement of act, if available	mended by Section bing Code. ed by Section of Albertania Brock Mechanic Company of Section 6 Albertania Company of Section 6 A	A m
	4) Building Plans		GETTE	
Unless exempted by State Law, construc	tion documents must be de	signed by a registered	d design profession	nal.
A complete set of construction drawings showing all	of the following elements of	construction:		
 Cross Sections w/Framing details (including Floor Plans & Elevations 	ng porches, decks w/ railings	, and accessory structur	res)	

- Window and door schedules
- Foundation plans with required drainage and dampproofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

Certification

I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant:		Date: 2/-	160
3 run 9 f	Mm	0/5	198

Building Permit Fee: \$25,00 for the 1st \$1000.cost plus \$5.00 per \$1,000.00 construction cost thereafter.

Additional Site review and related fees are attached on a separate addendum

Inspection Services Michael J. Nugent Manager



Department of Urban Development Joseph E. Gray, Jr. Director

CITY OF PORTLAND

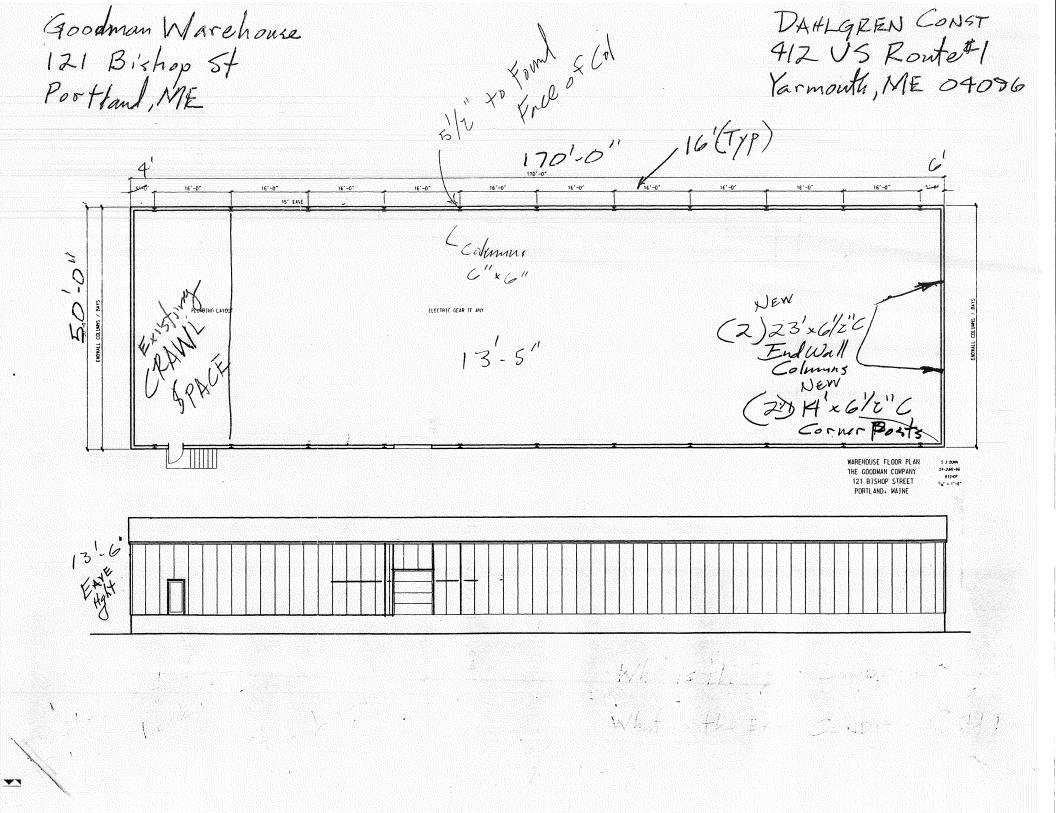


Building or Use Permit Application Attached Single Family Dwellings/Two-Family Dwelling Multi-Family or Commercial Structures and Additions Thereto

As an applicant for a building permit, you are about to enter into a relationship with our Office. We welcome any questions, comments or suggestions that will make the process more efficient. Attached you will find an application and some samples of the submissions you will provide at application time. Please read <u>ALL</u> of the information and if you need any further assistance please call 874-8703 or 874-8693.

Minor or Major site plan review will be required for the most of the above proposed projects.





ALEXANDER HUTCHEON ASSOCIATES

ENGINEERS

519 CONGRESS STREET
PORTLAND, MAINE 04101
TELEPHONE 207 774-0484

ALEXANDER

HUTCHEON

August 4, 1998

Mr. Steve Dunn
Dahlgren Construction Company
U.S. Route 1
Yarmouth, Maine 04096

Re: Alterations to former railroad storage building; 121 Bishop Street, Portland, Maine

Dear Steve:

As shown on the enclosed sketch, it is your intent to apply new steel siding and girts on the existing framing of the steel building at 121 Bishop Street, Portland, Maine.

It is my understanding that no changes will be made to the existing steel structure, other than to remove the existing siding and vertical girts, and install the new siding and new horizontal girts.

The modifications you propose will actually reduce the wind force on the eave member, but will impose a lateral load on the columns, at the location of the new horizontal girt.

As shown on the enclosed calculation sheet, the capacity of the column, under full dead and live load from the roof, and the lateral load from the wind, is about 1.33 times the required capacity.

It is my opinion, based on these calculations, that these proposed alterations will not reduce the structural capacity of the existing building.

Your questions and comments regarding this report are welcome.

Very truly yours,

ALEXANDER HUTCHEON Associates,

Engineers

Meyander Mutcheon Alexander Hutcheon, P.E.

President

Enclosures: Sketch of sidewall of building

Calculation sheet 1 of 1

GOODMAN WAREHOUSE 121 BISHOP ST.

ALEXANDER HUTCHEON ISSOC **ENGINEERS** 8/4/98

SHT. (OF)

CHECK EXITING COLUMNS FOR LATERAL LOAD 1200= LOAD: SNOW 0.7(60)(17)= 27.8 PSF DEAD LOAD: (4' PLATE: 3 PEF 10.2 13.2 SAY 15 PEF TOTAL LOAD 55 (50)(.5)(16)= 22,000

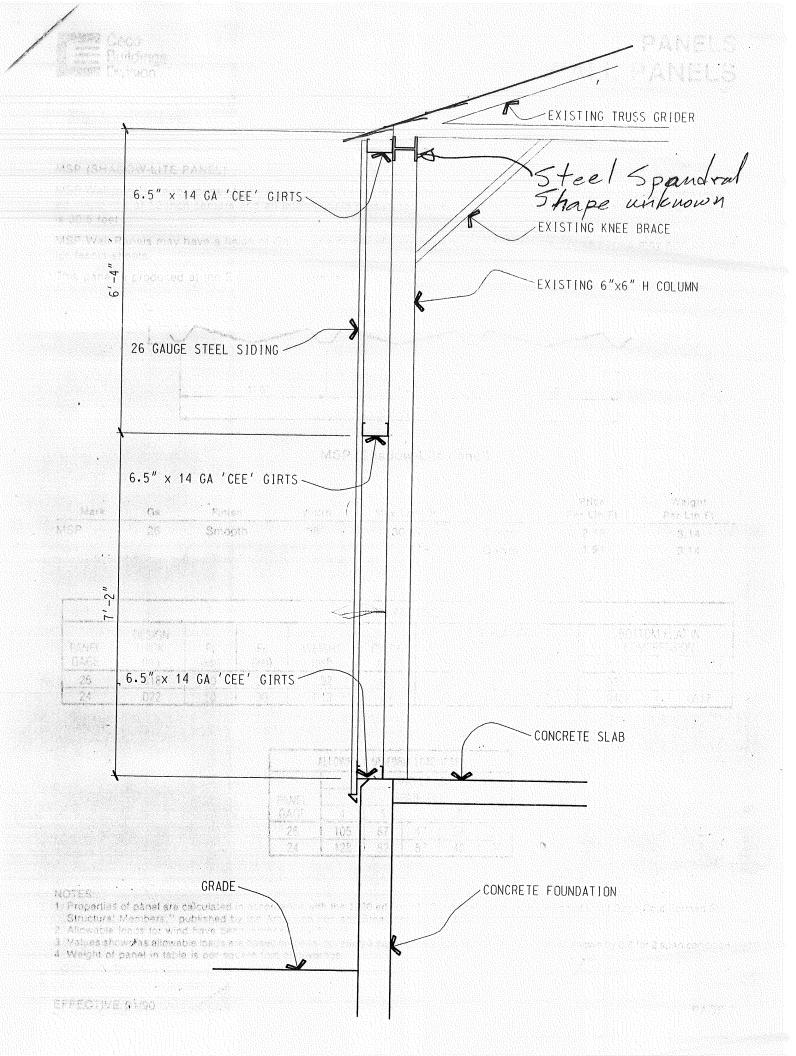
COLUMN: SAI WOXIS A. 4.43 Fy: 1.46 Px: 2.56 Fy = 33,000 Cc - \[\frac{2 Tt^2 29000000}{33000} = 131.71 $L_{x} = 13.5$ $\frac{13.5(12)}{2.56} = 63.728$

Ly = 7.17 Ely/g = 7.17(12)/1.46 = 58.93 $F_{a}: \frac{\left[1-\frac{(62.29)^{2}}{2(131.70)^{2}}\right](32000)}{\frac{5}{3}+\frac{3(62.28)}{8(131.71)}-\frac{(62.28)^{3}}{8(131.71)}} = \frac{21.191.1}{1.067+0.18-1014}$ $\frac{t}{A} = \frac{22,000}{4.43} = 4966 \times 15,026$

WIND ON SIDEWALL: LISE 20 PGF TOTAL WIND W = 13.5(.5)(20) = 135 PLF SAY (50 PLF PTO COL. = (6(150)= 24-00#

 $\begin{array}{lll}
1 &= (2+30)(7.17)(5.23)/13.5 &= 8069 & \\
f_{b} &= 8069(12)/1.72 &= 9962 & F_{c} &= 67(3250)(123) &= 21,40.5
\\
f_{a} &= f_{b} &= 1.5 & 4966 &+ 9962 &= 0.312+0.456-0.76
\\
F_{a} &= F_{b} &= 15926 & (1-\frac{4966}{19280})(27,406) &= (1.0)
\end{array}$

RATIO, CAPACITY TO REGID CAPY = 1/0.768 = 1.33

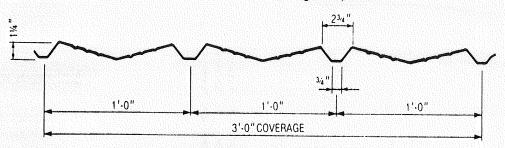


MSP (SHADOW-LITE PANEL)

MSP Wall panels are roll formed from 50,000 psi yield steel in 26 gage. Panel coverage is 36 inches with 1¼ inch deep reversed major ribs at 12 inch centers and an intermediate break line plus 6 pencil ribs in each flat. The maximum panel length is 30.5 feet.

MSP Wall Panels may have a finish of Galvalume or any of Ceco's standard panel colors. These panels may also be used for fascia sheets.

This panel is produced at the Eastern, Southern, and Midwestern regional plants.



MSP (Shadow-Lite Panel)

Mark	Ga	Finish	Width	Max Length	Color	Price Per Lin Ft	Weight Per Lin Ft
MSP	26	Smooth	36''	30.5'	Color	2.52	3.14
					Galvm	1.91	3.14

					SECTION PROP	ERTIES			
PANEL DESIGN THICK.			WEIGHT	GIRTH	TOP FLAT IN COMPRESSION		BOTTOM FLAT IN COMPRESSION		
GAGE	(ln.)	(ksi)	(ksi)	(psf)	(ln.)	l+(ln.4/Ft.)	Sx(In.3/Ft.)	I+(In.4/Ft.)	Sx(In.3/Ft.)
26	:018	50	30	.92	43	.0336	.0508	.0333	.0508
24	.022	50	30	1.13	43	.0408	.0617	.0408	.0617

	ALLOWABL	E UNIFOR	M LOAD	(PSF)				
		WI	ND LOA	.D				
PANEL	SPAN (Ft.)							
GAGE	4	5	6	7	8			
26	105	67	47	34	26			
24	128	82	57	42	32			

NOTES

- 1. Properties of panel are calculated in accordance with the 1980 edition of "Specifications for the Design of Light Gage Cold Formed Steel Structural Members," published by the American Iron and Steel Institute (A.I.S.I.)
- 2. Allowable loads for wind have been increased by 331/3%.
- 3. Values shown as allowable loads are based on panel covering 3 equal continuous spans. Multiply values shown by 0.8 for 2 span condition.

4. Weight of panel in table is per square foot of coverage.

64 CHANNEL

84 CHANNEL

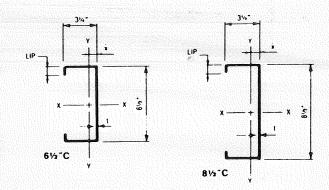


83/4Ch12	.092	4.61	1.36	12.37	2.45	8.98	10.56
1014Ch12	092	5.06	1.49	18.38	3.13	11.49	8.94

6½" AND 8½" "CEE" SECTION PROPERTIES

MINIMUM YIELD STRESS = 55 ksi

					SECTION	PROPERT	IES							
SECTION	DESIGN	LIP	WT.		AXIS X-X			F	AXIS Y-Y					
DESIGNA- TION	THICK.	LENGTH In.	PER FT.	AREA In²	l. In.4	S _k In.3	rx In.	ly In.⁴	fy In.	x In.	F₀ _₩ ksi	F₅ ksi	Fы₂ ksi	Q
6½C14	.075	1,125	3.71	1.09	7.44	2.17	2.61	1.71	1.25	1.16	32.9	33.0	27.7	.69
61/2C12	.092	1.25	4.61	1.36	9.12	2.81	2.59	2.16	1.26	1.20	33.0	33.0	29.0	.78
81/2C14	.075	.750	4.03	1,18	13.18	2.97	3.34	1.60	1.16	.89	30.7	32.9	24.5	.65
81/2C12	.092	1.00	5.06	1.49	16.53	3.89	3.32	2.15	1.20	.94	32.4	33.0	26.0	.73

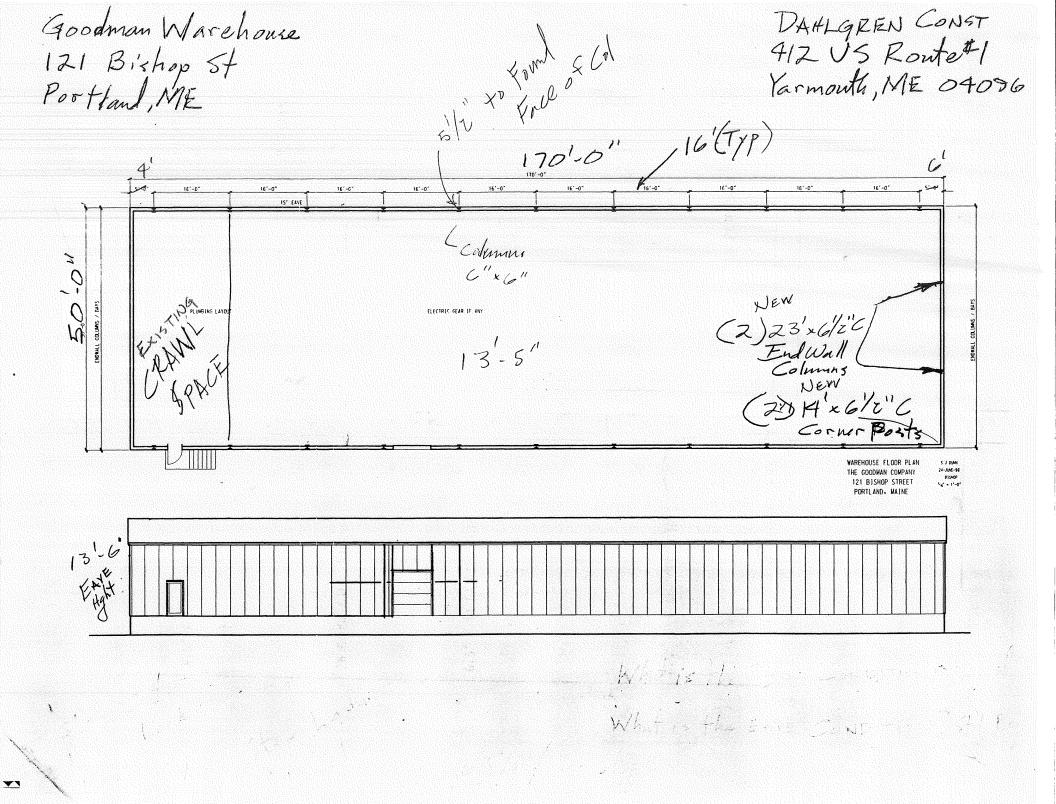


 F_{bw} = Maximum allowable compressive stress in web due to bending. F_{b} = Maximum allowable compressive stress in flange due to bending (as limited by F_{bw}).

F_{b2} = Maximum allowable stress on unbraced compression flange when tension flange is braced.

EFFECTIVE 01/90

PAGE 22



ALEXANDER HUTCHEON ASSOCIATES

ENGINEERS

519 CONGRESS STREET
PORTLAND, MAINE 04101
TELEPHONE 207 774-0484

August 4, 1998

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Dahlgren Construction Company
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Alexander Hutcheon, P.E.

President

Enclosures: Sketch of sidewall of building

Calculation sheet 1 of 1

GOODMAN WAREHOUSE 121 BISHOP ST.

ALEXANDER HUTCHEON insom **ENGINEERS**

8/4/98

SMT. GF

CHECK EXISTING COLUMNS FOR LATERAL LOAD

1200F LOAD: SNOW 0.7(60)(.1) = 27.8 PSF

DEADLOAD: 14" PLATE: 3 FEF 1200F 10.2

13/2 SAY 15 F-TOTAL LOAD 55/50X.5)(16)= 22,000

COLUMN: SA'(WOXIS A= 4.43 Fg=1.46 Fx= 2.56

Fy = 33,000 Cc - \[\frac{271 2900000}{33000} = 131.71

Lx = 13.5 (12)/2.56 = 63.78

Ly: 7.17 28/19: 7.17(12)/1.46: 58.13

 $F_{a}: \frac{[1-(63.23)^{2}](33000)}{[2(131.71)^{2}](33000)} = \frac{24.191.1}{[3+3(63.28)]} = \frac{24.191.1}{[3+3(63.28)]} = \frac{15.926}{[3+3(171)]}$

 $\frac{T}{A} = \frac{22,000}{4.43} = 4966 \times 15,926$

WIND ON SIDEWALL! LISE 20 PEF TOTAL WIND

W = 13.5(.5)(20) = 135 PLF SAY (50 PLF

PTO COL. = (6(150)= 24-00#

 $\mathcal{U} = (2400(7.17)(6.36))/3.5 = 8069 + f_{b} = 8069(12)/3.72 = 9962 \quad F_{b} = .67(3300)(1.33) = 24,406$ $\frac{f_{a}}{f_{b}} + \frac{f_{b}}{f_{b}} \leq 1.0 \quad \frac{4966}{15926} + \frac{9962}{(1-\frac{4965}{49280})(24,406)} = 0.312+0.456 - 6.766$ $\frac{f_{a}}{f_{b}} + \frac{f_{b}}{f_{b}} \leq 1.0 \quad \frac{4966}{159260} + \frac{9962}{(1-\frac{4965}{49280})(24,406)} = 0.312+0.456 - 6.766$

Z1832 RATIO, CAPACITY TO REO'D CAPY = 1/0.768 = 1.33



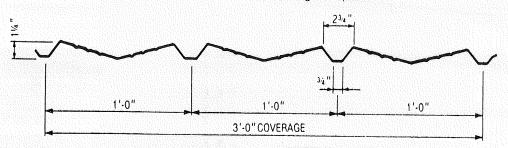
PANELS WALL PANELS

MSP (SHADOW-LITE PANEL)

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					SECTION PROP	ERTIES					
PANEL			DESIGN THICK. Fy Fb		F₀	WEIGHT	GIRTH	TOP FLAT IN COMPRESSION		BOTTOM FLAT IN COMPRESSION	
GAGE	(ln.)	(ksi)	(ksi)	(psf)	(ln.)	اء(ln.4/Ft.)	Sx(In.3/Ft.)	lx(In.4/Ft.)	Sx(In,3/Ft.)		
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24	.022	50	30	1.13	43	.0408	.0617	.0408	.0617		

	ALLOWABL	E UNIFOR	RM LOAD	(PSF)				
PANEL GAGE	WIND LOAD SPAN (Ft.)							
	26	105	67	47	34	26		
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NOTES:

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64 CHANNEL

84" CHANNEL

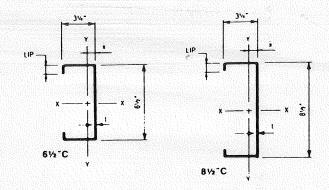
10% CHANNEL

83/4Ch12	.092	4.61	1.36	12.37	2.45	8.98	10.56
101/4Ch12	.092	5.06	1.49	18.38	3.13	11.49	8.94

61/2" AND 81/2" "CEE" SECTION PROPERTIES

MINIMUM YIELD STRESS = 55 ksi

					SECTION	PROPERT	IES					0.9991900000000000000000000000000000000		
DESIGNA- THIC	DESIGN	DESIGN LIB			AXIS X-X			AXIS Y-Y						
				AREA In²	lx In.4	S _k In. ³	rx In.	ly In.4	ry In.	x in.	F _b ksi	F₀ ksi	F _{b2} ksi	Q
6½C14	075	1.125	3.71	1.09	7.44	2.17	2.61	1.71	1.25	1.16	32.9	33.0	27.7	.69
61/2C12	.092	1.25	4.61	1.36	9.12	2.81	2.59	2.16	1.26	1.20	33.0	33.0	29.0	.78
81/2C14	075	750	4.03	1,18	13.18	2.97	3.34	1.60	1.16	.89	30.7	32.9	24.5	.65
8½C12	.092	1.00	5.06	1.49	16.53	3.89	3.32	2.15	1.20	.94	32.4	33.0	26.0	,73



 F_{bw} = Maximum allowable compressive stress in web due to bending. F_{b} = Maximum allowable compressive stress in flange due to bending (as limited by F_{bw}). F_{b2} = Maximum allowable stress on unbraced compression flange when tension flange is braced.

EFFECTIVE 01/90

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