

Lot # 89-E-23, Northgate
Subdivision.. Peaks Island

REPLY MESSAGE

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TO: Lumber + Supplies
Charlie Roy

FROM



13 WALNUT ST. BIDDLEFORD, ME 04005
(207) 284-8707

SUBJECT: Dear Charlie:

DATE: 6/4/75

Enclosed is the computer run for Order #
62517, your P.O. # 8823B.

This consists of 11 regular and 2 gable
ends 24' long with a 4/12 pitch.

If you have any further questions, please
contact us.

PLEASE REPLY TO → SIGNED Ortiz Bourquelet

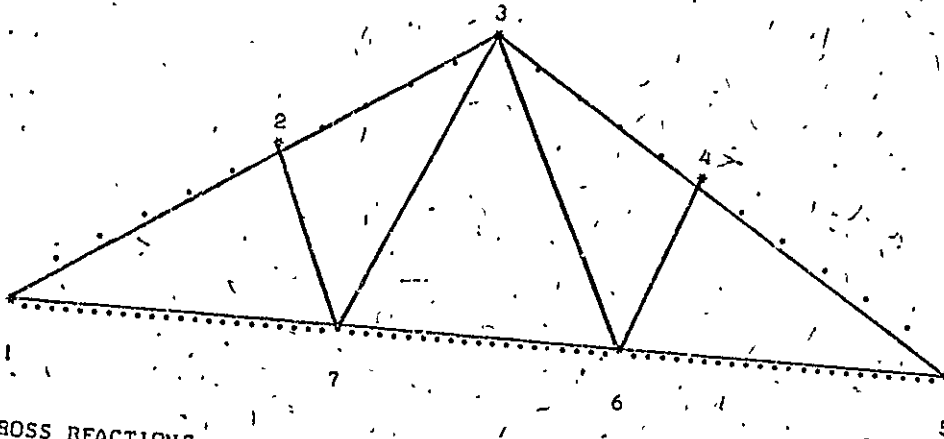
DATE _____ SIGNED _____

75/06/04. V-11

REQUEST NO.- LUMBER&SUPP

13 3A 4.00/12 - .00/12 24- 0- 0 4 HEEL 12- 0 OVHL 12- 0 OVHR

NO. OF WEBS
2- 7 3- 7 3- 6 4- 6



GROSS REACTIONS AT JT. 1 = 1440 AT JT. 5 = 1440

MEMBER FORCE	MEMBER FORCE	MEMBER FORCE	MEMBER FORCE	MEMBER FORCE
1- 2 -3274	2- 3 -2849	3- 4 -2849	4- 5 -3274	5- 6 3106
6- 7 2126	7- 1 3106	2- 7 -616	3- 7 849	3- 6 849
4- 6 -616				

CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 4	NO.2 DEN. KD SO.PINE
3- 5	2X 4	NO.2 DEN. KD SC.PINE
5- 1	2X 4	NO.2 MG KD SO.PINE

ALL WEBS 2X 4 NO.3 KD SO.PINE
 LEFT OVERHANG 12 IN. 0 SX.
 RIGHT OVERHANG 12 IN. 0 SX.

DESIGN SPECS. FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TPI, 1974.

WOOD STRUCTURES INC. 14 ELM STREET BIDDEFORD MAINE 04005

75/06/04. V-11

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13 3A 4.00/12 - .00/12 24- 0- 0 4 HEEL 12- 0 OVHL 12- 0 OVHR

TRUSS LOAD (PSF) GANG NAIL PLATES

TYPE= LOC2 3-A TOP CH. LL= 40.0 GN-20 (LBS/NAI) (LBS/SQIN)

SPAN= 24- 0- 0 DL= 10.0
SPACING= 24 IN BOT CH. LL= .0 (0-90) = 32 227

LBR INCR.=15 PC DL= 10.0
NAIL INC.=15 PC TOTAL LOAD= 60.0 GN-40 (LBS/NAIL) (LBS/SQIN)

LS INCR. =15 PC
SLOPES- TOP- 4.00/12 BOTTOM- .00/12 (0-90) = 84 180

BEARING REQUIRED- JT- 1-2X 3 JT- 5-2X 3
INPUT BEARING --- JT- 1-2X 4 JT- 5-2X 4
CALC. L. L. DEFL. = .26 IN - DOES NOT EXCEED ALLOW. INPUT L/240

DL CAMBER BETWEEN SUPPORTS = 0-1/8 INCHES
MIN. RECOMMENDED CAMBER BETWEEN SUPPORTS= 0-2/8 INCHES
MAX. PURLIN SPACE= 2.89 FT , MAX. UNBRACED BOT.CH. LEN.= 10.00 FT

JOINT	GN	W	LEN.	Y	X (MEMBER)	TYPE
1	20	3 X	7.9	.3		1
2	20	2 X	2.3			14
3	20	4 X	4.5	2.0		4
4	20	2 X	2.3			14
5	20	3 X	7.9	.3		1
6	20	3 X	3.9	1.5	1.8 (4- 6)	16
7	20	3 X	3.9	1.5	1.8 (2- 7)	16

SPLICE

6- 7 . 20 3 X 4.5 :9

+++ PLATE REQUISITION +++

QTY GN-PLATES

52 GN20-3X 7.9
26 GN20-4X 4.5
52 GN20-3X 3.9
52 GN20-2X 2.3
26 GN20-3X 4.5

REQUEST NO.- LUMBER&SUPP

75/06/04.
 SPAN (OUT TO OUT) 24.000
 NO. OF JOINTS 7
 LOC. OF REACTIONS 1 + 5 (JNTS.AT WHICH SUPPORTS ARE LOCATED)
 LOC. OF UNIT LOAD 6 (JOINT AT WHICH DEFLECTION IS CALCULATED)
 PERCENT INCR. 1.15 (ALLOW. STRESS INCREASE-SHORT TERM LOAD)

TRUSS GEOMETRY AND LOAD DATA

JT	CONC.LD	UNIF.LD	HORIZONTAL DISPLM'T.	SLOPE/12
1	0	100.0	6.4375 = 6 5 4	4.00000
2	0	100.0	5.5625 = 5 6 12	4.00000
3	0	100.0	5.5625 = 5 6 12	-4.00000
4	0	100.0	6.4375 = 6 5 4	-4.00000
5	0	20.0	-8.2917 = -8 3 3	.00000
6	0	20.0	-7.4167 = -7 5 0	.00000
7	0	20.0	-8.2917 = -8 3 3	.00000
TOTAL POSITIVE DISPLM'T.=			24.0000=	24 0 0
GROSS REACTIONS			R- 1 = 1440.00	R- 5 = 1440.00

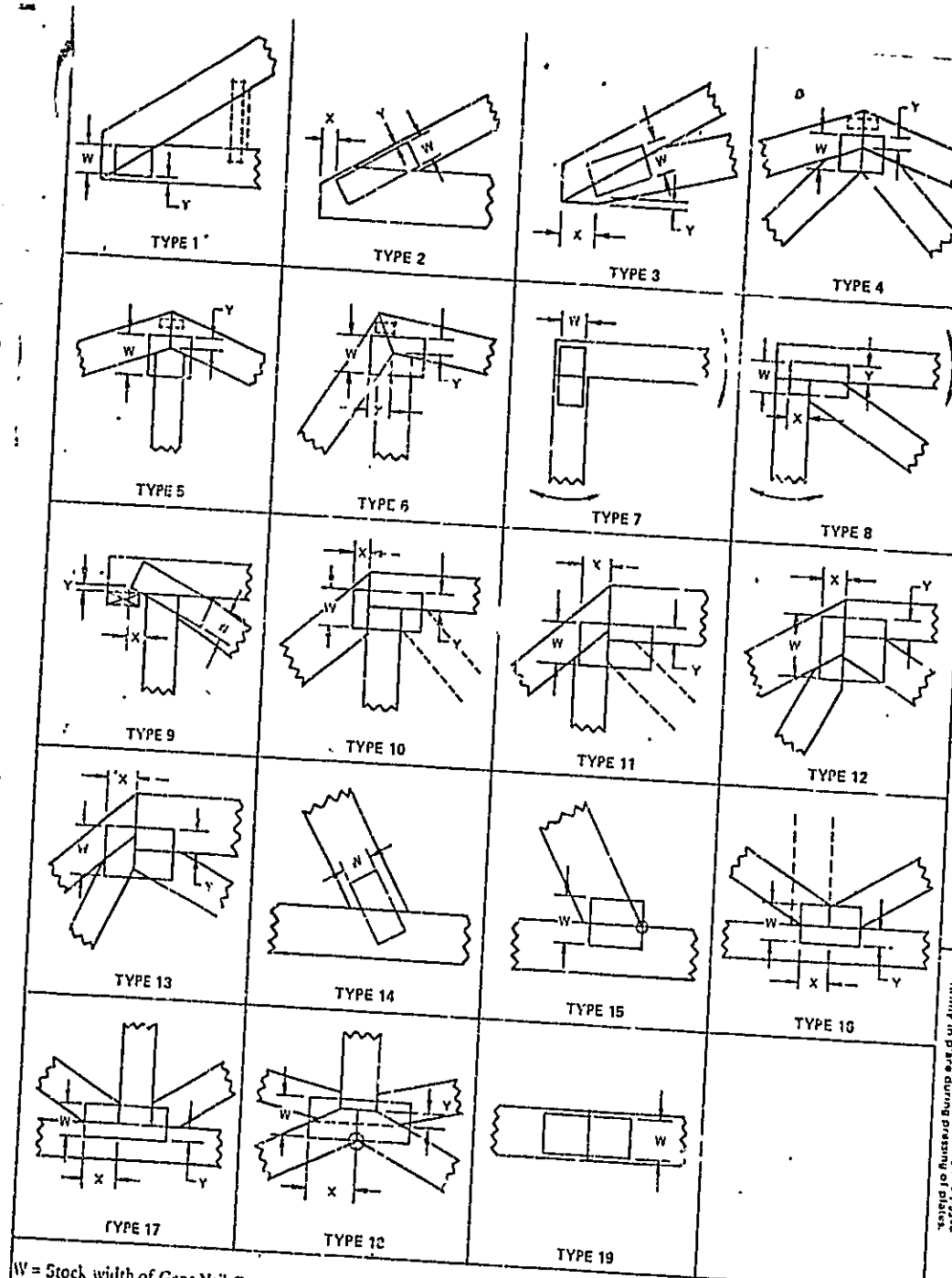
NO. OF WEBS 4
 2- 7, 3- 7 3- 6 4- 6

MEM	FORCE LBS	WID IN.	DEP IN.	FB PSI	FC PSI	MC	P/AF	M/ZF	CSI	LAT. BRC
TOP CHORD MEMBERS										
1- 2	-3274	1.5	4	2150	1350	10	.46	.57	1.03	2.9
2- 3	-2849	1.5	4	2150	1350	10	.48	.56	.97	3.1
3- 4	-2849	1.5	4	2150	1350	10	.40	.56	.97	3.1
4- 5	-3274	1.5	4	2150	1350	10	.46	.57	1.03	2.9
BOT CHORD MEMBERS										
5- 6	3106	1.5	4	1800	0	8	.54	.52	.96	10.0
6- 7	2126	1.5	4	1800	0	8	.44	.30	.74	10.0
7- 1	3106	1.5	4	1800	0	8	.64	.32	.96	10.0
WEB MEMBERS										
2- 7	-616	1.5	4	875	700	0	.17	.00	.17	7.8
3- 7	849	1.5	4	875	0	0	.31	.00	.31	12.5
3- 6	849	1.5	4	875	0	0	.31	.00	.31	12.5
4- 6	-616	1.5	4	875	700	0	.17	.00	.17	7.8

EXPLANATIONS-

MC = MOMENT COEFFICIENT
 P/AF= AXIAL FORCE DIVIDED BY THE CROSS-SECTIONAL AREA AND
 THE ALLOWABLE UNIT STRESS IN TENSION OR COMPRESSION
 M/ZF= BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND
 THE ALLOWABLE UNIT STRESS IN BENDING
 CSI = COMBINED STRESS INTERACTION EQUATION IS THE ADDITION
 OF P/AF + M/ZF
 LAT.= MAXIMUM DISTANCE ALLOWED(FEET) WITHOUT REQUIRING
 BRC LATERAL SUPPORT.

TOTAL DEFLECTION = .42 IN.
 CAMBER REQUIRED = 0-1/8



HANDLING AND BRACING: Care shall be exercised in handling, during unloading, and in erecting, to prevent damage to the permanent components. Permanent bracing shall be installed to prevent buckling of the permanent components during erection. Permanent bracing shall be installed to prevent buckling of the permanent components during erection. Permanent bracing shall be installed to prevent buckling of the permanent components during erection.

tion and permanent bracing shall be completely installed and all steel members shall be permanently fastened into place before the application of any load. The weight of the structure shall be supported by the application of several bracing devices. The weight of the structure shall be supported by the application of several bracing devices. The weight of the structure shall be supported by the application of several bracing devices.

NOTES:
 1. Install plates in pairs, one on each side of joint.
 2. These plates symmetrically on joint, except where otherwise noted.
 3. All joints shall be joggled.
 4. Plates shall be joggled during pressing of plates.

W = Stock width of Gang-Nail Connectors

GANG NAIL HARDWARE SHEETS
 Made by Automated Building Components, Inc. from galv. steel that meets or exceeds ASTM A335 87
 Yield Strength = 48,000 psi
 Tensile Strength = 72,000 psi
 Plates must be used with registered Gang Nail TM

AUTOTRUSS®
 AUTOMATED BUILDING COMPONENTS, INC.
 Patent Pending

AUTOMATED BUILDING COMPONENTS, INC.
 Patent Pending

This transparency device and the method of producing drawings and data sheets, using same, are covered by patents pending

Automated Building Components Inc. 1972

2 T 2 E44972

FAB SET RUN TIME
 157 : 101 MAN-MINUTES

**** JIG SET-UP ****

AUXILIARY PADS MAY BE REQUIRED AND/OR PRE-SPLICING OF CHORDS

SET-UP CHART

BASE CENTER LINE IS AT JOINT - 3

JT-NO HORIZ.-DIM VERT.-DIM
 FT - IN - 16 FT - IN - 16

LEFT SIDE

1	12	0	0	0	0	0
2	5	6	12	2	0	4
3	0	0	0	4	0	0
7	3	8	8	0	0	0
SPL	2	0	0	0	0	0

RIGHT SIDE

4	5	6	12	2	2	0
5	12	0	0	0	0	0
6	3	8	8	0	0	0

NO OF WEBS

2- 7 3- 7 3- 4-

CAMBER REQUIRED BETWEEN SUPPORTS = .0-1/8 INCHES

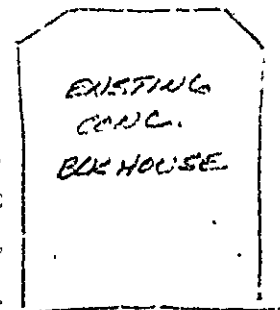
\$1000

MR. FRARY

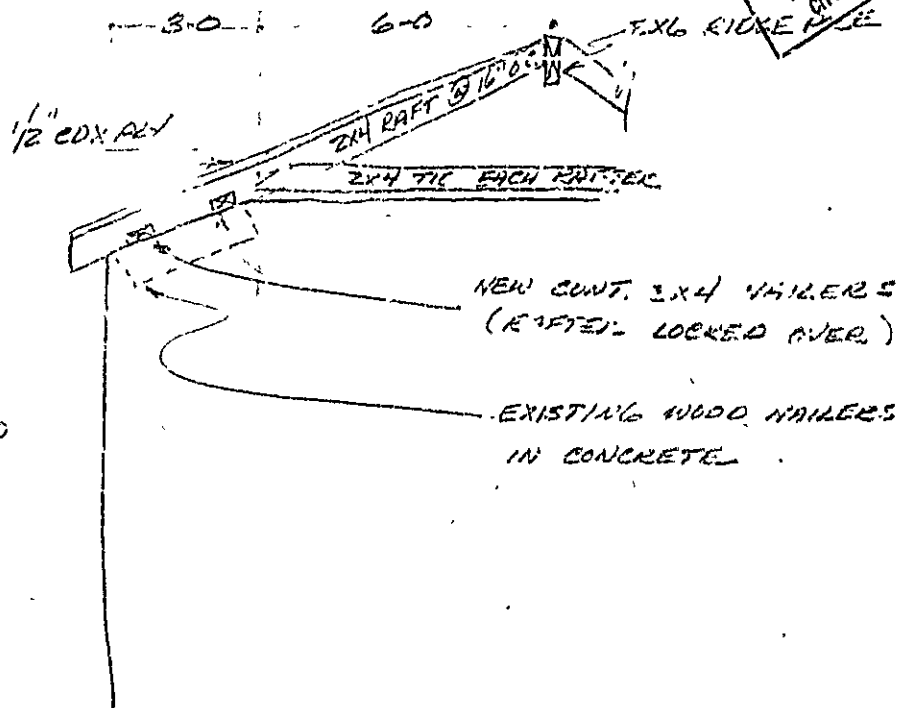
NORTHGATE. SUB DIV

PEARS IS

LOT #14 89-E-23



RECEIVED
JUN 12 1975
DEPT OF BLDG. INSP.
CITY OF PORTLAND



REPLACE REMOVED
WOOD ROOF.



APPLICATION FOR PERMIT

ISSUED
JUN 12 1977
PORTLAND

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION

ZONING LOCATION _____ PORTLAND, MAINE, June 12, 1977

To the DIRECTOR OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION 89-E-23, Northgate Sub Div, Peaks Island Fire District #1 , #2

1. Owner's name and address Mr. Frary, same Telephone

2. Lessee's name and address Telephone

3. Contractor's name and address Jackson & Casey, Peaks Island Telephone

4. Architect Specifications Plans No. of sheets

Proposed use of building dwelling No. families

Last use gun emplacement No. families

Material No. stories Heat Style of roof Roofing

Other buildings on same lot

Estimated contractual cost \$ 1,000.00 Fee \$ 5.00

FIELD INSPECTOR—Mr. Smith GENERAL DESCRIPTION

This application is for: @ 775-5451 replace roof per plan

Dwelling Ext. 234

Garage

Masonry Bldg.

Metal Bldg. Stamp of Special Conditions

Alterations

Demolitions

Change of Use

Other

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

PERMIT IS TO BE ISSUED TO 1 2 3 4

Other:

DETAILS OF NEW WORK

Is any plumbing involved in this work? Is any electrical work involved in this work?

Is connection to be made to public sewer? If not, what is proposed for sewage?

Has septic tank notice been sent? Form notice sent?

Height average grade to top of plate Height average grade to highest point of roof

Size, front depth No. stories solid or filled land? earth or rock?

Material of foundation Thickness top bottom cellar

Kind of roof Rise per foot Roof covering

No. of chimneys Material of chimneys of lining Kind of heat fuel

Framing Lumber—Kind Dressed or full size? Corner posts Sills

Size Girder Columns under girders Size Max. on centers

Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.

Joists and rafters: 1st floor 2nd 3rd roof

On centers: 1st floor 2nd 3rd roof

Maximum span: 1st floor 2nd 3rd roof

If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot, to be accommodated ... number commercial cars to be accommodated ..

Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY: DATE

BUILDING INSPECTION—PLAN EXAMINER

ZONING: *NA*

BUILDING CODE: *2011 E.B.C. 6/13/77*

Fire Dept.:

Health D:

Other:

MISCELLANEOUS

Will work require disturbing of any tree on a public street? ..

Will there be in charge of the above work a person competent to see that the State and City requirements, pertaining thereto are observed? *yes*

Signature of Applicant *Mrs. Sharon Jackson* Phone # *766-2817*

Type Name of above *Mrs. Jackson* 1 2 3 4

Other and Address

FIELD INSPECTOR'S COPY

NOTES

6/30/75 - Works done E.H.

[Empty lined area for notes]

~~[Large handwritten X mark]~~

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Permit No. 75/459

Overall Supervisor E.H. P.S.

Date of permit 6/13/75

Approved

Beiler