



DESIGN LOADS

- DEAD LOAD (ROOFING, DECK, STRUCTURES, MECHANICAL, ELECTRICAL, OR OTHER LOADS) : 15 psf
- ROOF LIVE LOAD : 16 psf
- WIND INFORMATION : 90 mph
- WIND DESIGN PRESSURE (Ps) : 20.2 psf
- WIND LOAD IMPORTANCE FACTOR (I) : 1.0
- NET UPLIFT DIAGRAM

DESIGN NOTES

- THE DESIGN OF THE COMPONENTS SHOWN ON THESE DRAWINGS IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE BOCA CODE.
- THE DESIGN OF THE COMPONENTS SHOWN ON THESE DRAWINGS IS THE PROPERTY OF "MURX". REPRODUCTION OF THESE DRAWINGS OR MANUFACTURE OF COMPONENTS SHOWN ON THESE DRAWINGS WITHOUT PERMISSION FROM "MURX" IS STRICTLY PROHIBITED.
- SQUIPERS IN THE ROOF PANELS MUST BE DONE BY GENERAL CONTRACTOR TO PREVENT EXCESSIVE PONDING IN CASE OF ROOF DRAIN BLOCKAGE.

ERECTOR NOTE:

- BEFORE LEAVING THE SITE FOR A PROLONGED PERIOD OF TIME, THE ERECTOR MUST:
 - INSTALL ALL THE BRIDGING AND INSTALL AND TIGHTEN ALL BOLTS FOR STRUCTURE AND THE JOIST.
 - INSTALL THE SUPPORT PIECES FOR THE NON-BEARING PANELS WITH ALL BOLTS TIGHTENED.
 - INSTALL AND TIGHTEN BOLTS OF THE JOIST.
 - INSTALL AND TIGHTEN BOLTS AT JOINTS ON TOP OF PANEL.
 - USE GUY LINES TO FASTEN THE TOP OF PANELS TO SOLID ANCHORS ON THE GROUND WHEN REQUIRED.

FOUNDATION NOTES

- REACTIONS ARE ROUNDED VALUES EXPRESSED IN KIPS (SERVICE LOADS)
- FOUNDATIONS MUST BE ADEQUATELY DESIGNED FOR LOCAL SOIL CONDITIONS BY A QUALIFIED FOUNDATION ENGINEER.
- THE CONCRETE MUST CURE FOR EXACT 28 DAYS AFTER 28 DAYS.
- ALL ANCHOR BOLTS MUST MEET OR EXCEED ASTM A307 SPECIFICATIONS.
- FRESHED FLOOR ELEVATION: 100'-0" UNLESS NOTED. UNDERSIDE OF "MURX" PANELS BASE PLATE ELEVATION: 100'-0" UNLESS NOTED.
- ANCHOR BOLT FOR "MURX" PANEL TO HAVE 3" IN PROJECTION FROM UNDERSIDE OF BASE PLATE (SEE DETAIL M-2).
- ANCHOR BOLT PROJECTION FOR INTERIOR COLUMNS IS INDICATED ON SEISMIC BRACE PLATES (BY OTHERS) FOR ALL COLUMNS EXCEPT "MURX" PANEL IS 1" UNLESS OTHERWISE INDICATED.
- THE SEISMIC BRACE PLATES (BY OTHERS) FOR ALL COLUMNS EXCEPT "MURX" PANEL IS 1" UNLESS OTHERWISE INDICATED.
- THE ANCHOR BOLTS INSTALLATION TOLERANCE MUST NOT EXCEED:
 - A) 1/8" BETWEEN 2 ANCHOR BOLTS
 - B) 1/4" BETWEEN 2 GROUPS OF ANCHOR BOLTS
- IT IS THE RESPONSIBILITY OF THE PURCHASER AND/OR GENERAL CONTRACTOR TO ASSURE THAT ANCHOR BOLTS ARE CORRECTLY POSITIONED ACCORDING TO THE ABOVE TOLERANCES. ANY COSTS OR DELAYS RESULTING FROM CORRECTIONS IN ANCHOR BOLT INSTALLATION WILL BE THE EXCLUSIVE RESPONSIBILITY OF THE PURCHASER AND/OR GENERAL CONTRACTOR.

REFERENCE NOTE

- THE PANEL NUMBER INDICATES PROPOSED ERECTION SEQUENCE.

INTERIOR COLUMN SCHEDULE

NOTE: ALL SERVICE LOADS ARE EXPRESSED IN KIPS

NO. COL.	DIMENSIONS	ELEV. TOP PER SEE DETAIL M-1	BASE PLATE TYPE	VERTICAL LOAD			BRACING		
				D.L.	L.L.	WIND UPLIFT	SEISMIC H. V.	WIND H. V.	CRANE H. V.
1	HSS 6 x 6 x 0.188	99'-3"	"d"	4.2	16.0	---	---	---	---
2	HSS 7 x 7 x 0.188	99'-3"	"d"	11.0	39.1	---	---	---	---
3	HSS 7 x 7 x 0.188	99'-3"	"d"	10.6	38.9	14.5	12.1	49.5	17.6
4	HSS 7 x 7 x 0.188	99'-3"	"a"	5.7	24.4	7.8	12.1	49.5	17.6
5	HSS 8 x 8 x 0.25	99'-3"	"e"	14.4	53.0	19.7	---	---	---
6	HSS 6 x 6 x 0.25	99'-3"	"d"	5.2	22.9	7.8	---	---	---
7	HSS 7 x 7 x 0.25	99'-1"	"c"	20.9	58.6	28.6	---	---	---
8	HSS 8 x 8 x 0.25	99'-1"	"c"	33.5	68.9	45.8	---	---	---
9	HSS 7 x 7 x 0.25	99'-1"	"b"	13.4	35.8	18.3	---	---	---
10	HSS 8 x 8 x 0.25	99'-1"	"c"	30.0	80.4	41.0	---	---	---

NOTE: BRACING LOADS APPLY ONLY WHERE THERE ARE BRACE PANELS ON RESPECTIVE LINES.

REACTIONS ON FOUNDATION FOR "MURX" PANEL COLUMN @ 10'-0" C/C

NOTE: ALL SERVICE LOADS ARE EXPRESSED IN KIPS

AXIS	PANEL WEIGHT	VERTICAL LOAD			REACTION AT THE BASE L TO FOUNDATION			BRACED PANELS		
		D.L.	ROOF L.L.	UPLIFT	WIND	SEISMIC	H. V.	TH. V.	WIND	
Ax (BETWEEN LINE 17.9 & X1)	1.6	0.6	1.5	0.9	2.8	---	---	---	---	
Ax (BETWEEN LINE X1 & 29.1)	1.6	4.9	13.0	6.7	2.8	---	---	---	---	
T	1.1	0.4	1.0	0.5	2.1	---	8.0	23.9	12.2	
X4	1.6	5.4	14.3	7.4	2.8	---	4.5	9.0	5.7	
Z	1.6	0.6	2.5	0.9	2.8	---	7.5	15.0	11.4	
17.9	1.6	7.4	20.1	10.1	2.8	---	---	---	---	
Ax*	2.1	3.3	8.7	4.5	3.6	---	---	---	---	
Ax**	1.5	2.2	5.9	3.0	2.5	---	---	---	---	

ACCEPTED

COMPANY: _____

DATE: _____

ANY MODIFICATION OR ALTERATION REQUESTED AFTER THIS DATE WILL BE SUBJECT TO EXTRA CHARGE AND RESCHEDULING.

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

Notes:

- The present drawings must be returned to Murox's office before 10/15/04 in order to meet the delivery schedule.
- Client to make Murox aware if he needs any documents other than wet stamped drawings for his building permit.

Legend anchor bolt plan

A = Detail no.
B = Center line
C = Steel no. where detail is shown
D = Steel no. where detail is shown
E = Panel number
F = Column reference no. (see interior column schedule)

TYP. = Typical
U/V = Unless noted
N.T.S. = Not to scale
Ø = Diameter
H.S.S. = Hollow structural sections
□ = Square
L = Perpendicular

C/C = Center to center
U/V = Unless noted
N.T.S. = Not to scale
Ø = Diameter
H.S.S. = Hollow structural sections
□ = Square
L = Perpendicular

10-14-04 FOR APPROVAL E M.B. Y.P.
10-01-04 FOR APPROVAL D M.B. Y.P.
09-28-04 FOR APPROVAL C M.B. Y.P.
09-21-04 FOR INFORMATION A M.B. Y.P.
09-10-04 FOR APPROVAL B A D.P.

Drawn: D.P.A.L.
Approved: Y.P.
Scale: ---
Date: 09-08-04

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Project: Frozen Ropes
Portland
Maine

Description: Anchor bolts plan & details

Project: (P004-181 #1) Draw: E06098
Sheet: 1 of 4