

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK **CITY OF PORTLAND** BUILDING DEPARTMENT

Please Read
Application And
Notes, If Any,
Attached

PERMIT

Permit Number: 101326

This is to certify that CHILDREN'S MUSEUM OF PORTLAND / CHILDREN'S MUSEUM
has permission to Amend permit# 101196 - change from geodesic greenhouse to 12' greenhouse to be ADA compliant
AT 141 FREE ST CITY OF PORTLAND 8003001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is altered or otherwise used-in. 2 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. CAPT. R. Gauthier
Health Dept. _____
Appeal Board _____
Other _____
Department Notice

Carrie Burke 11/17/10
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

PERMIT ISSUED

NOV 17 2010

City of Portland

City of Portland, Maine - Building or Use Permit

189 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	Date Applied For:	CBL:
10-1326	10/22/2010	039 B003001

Location of Construction: 142 FREE ST	Owner Name: CHILDREN'S MUSEUM OF MAINE	Owner Address: PO BOX 4041	Phone:
Business Name: 	Contractor Name: Childrens Museum	Contractor Address: 142 Free Street Portland	Phone: (207) 828-1234
Lessee/Buyer's Name: 	Phone: 	Permit Type: Additions - Commercial	

Proposed Use: Children's Museum Of Maine- Amend permit# 101196 - change from geodesic greenhouse to 8' x 12' greenhouse to be ADA compliant	Proposed Project Description: Amend permit# 101196 - change from geodesic greenhouse to 8' x 12' greenhouse to be ADA compliant
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Dept: Historic	Status: Approved	Reviewer: Deborah Andrews	Approval Date: 10/25/2010
Note:			Ok to Issue: <input checked="" type="checkbox"/>
Dept: Zoning	Status: Approved with Conditions	Reviewer: Ann Machado	Approval Date: 10/25/2010
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.			
2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.			
Dept: Building	Status: Approved with Conditions	Reviewer: Jeanine Bourke	Approval Date: 11/17/2010
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) The garden house shall be constructed per the manufacturers specifications.			
2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.			
Dept: Fire	Status: Approved	Reviewer: Capt Keith Gautreau	Approval Date: 10/26/2010
Note:			Ok to Issue: <input checked="" type="checkbox"/>

Comments:

11/3/2010-amachado: Received approved administration authorization from planning. Put with permit in inspections basket.

11/17/2010-jmb: I posted permit #10-1196 as withdrawn. Spoke to Chris S. For details on anchoring, he will email specs. Received.

PERMIT ISSUED

NOV 17 2010

City of Portland

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the City of Portland Inspection Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months, if the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue with construction.**

 X **Final inspection required at completion of work.**

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

PERMIT ISSUED

NOV 17

City of Portland



General Building Permit Application

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/Address of Construction: <u>42 Free Street, Portland, ME 04101</u>		
Total Square Footage of Proposed Structure/Area <u>110 sq'</u>		Square Footage of Lot <u>9,965 sq'</u>
Tax Assessor's Chart, Block & Lot Chart# _____ Block# _____ Lot# _____	Applicant must be owner, Lessee or Buyer Name: <u>Children's Museum of ME</u> Address: <u>42 Free Street</u> City, State & Zip: <u>Portland ME 04101</u>	Telephone: <u>207-825-1234</u> <u>Y414</u>
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name: _____ Address: _____ City, State & Zip: _____	Cost Of Work: \$ <u>5,000</u> C of O Fee: \$ _____ Total Fee: \$ _____
Current legal use (i.e. single family): <u>Children's Museum & Theater</u> If vacant, what was the previous use? _____ Proposed Specific use: <u>Science Exhibit</u> Is property part of a subdivision? _____ If yes, please name _____ Project description: <u>install 12x8 greenhouse kit in exterior space behind museum. kit is for growing plants & is used twice a day by staff.</u>		
Contractor's name: _____ Address: _____ City, State & Zip: _____ Telephone: _____ Who should we contact when the permit is ready: _____ Telephone: _____ Mailing address: _____		

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874 8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work 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.

RECEIVED

Signature: [Signature] Date: OCT 22 2010
10-19-10

This is not a permit; you may not commence work until the permit is issued.
Department of Building Inspections
City of Portland, Maine



Application for Administrative Authorization

Portland, Maine

Planning and Urban Development Department, Planning Division

#10-67900031

PROJECT NAME: Children's Museum & Theatre Greenhouse

PROJECT ADDRESS: 142 Fore Street, Portland CHART/BLOCK/LOT: 039 8003

PROJECT DESCRIPTION: (Please Attach Sketch/Plan of Proposal/Development)

Growing kids Greenhouse in back yard
8'x12'

CONTACT INFORMATION:

OWNER/APPLICANT

Name: Children's Museum & Theatre of Maine
Address: 142 Fore Street
Zip Code: 04101
Work #: 207-828-1234 X234
Cell #: 203-592-1766
Fax #: 207-828-5726
Home #: /
E-mail: Chris@kirtails.org

CONSULTANT/AGENT

Name: _____
Address: _____
Zip Code: _____
Work #: _____
Cell #: _____
Fax #: _____
Home #: _____
E-mail: _____

Criteria for an Administrative Authorization:
(See Section 14-523 (4) on page 2 of this application)

Applicant's Assessment
Y(yes), N(no), N/A

Planning Division
Use Only

- a) Is the proposal within existing structures? N
- b) Are there any new buildings, additions, or demolitions? Y
- c) Is the footprint increase less than 500 sq. ft.? Y
- d) Are there any new curb cuts, driveways or parking areas? N
- e) Are the curbs and sidewalks in sound condition? Y
- f) Do the curbs and sidewalks comply with ADA? Y
- g) Is there any additional parking? N
- h) Is there an increase in traffic? N
- i) Are there any known stormwater problems? N
- j) Does sufficient property screening exist? Y
- k) Are there adequate utilities? Y
- l) Are there any zoning violations? N
- m) Is an emergency generator located to minimize noise? N
- n) Are there any noise, vibration, glare, fumes or other impacts? N

N
Y
Y
N
Y
Y
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Y
Y
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N
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Y
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Y
Y
N
N
N
Y
Y
N
N/A
N

IMPORTANT NOTICE TO APPLICANT: The granting of an Administrative Authorization to exempt a development from site plan review does not exempt this proposal from other approvals or permits, nor is it an authorization for construction. You should first check with the Building Inspections Office, Room 315, City Hall (207) 874-8703, to determine what other City permits, such as a building permit, will be required.

Signature of Applicant:

Date:

CC

9-22-10

Planning Division Use Only

Authorization Granted ☒

Partial Exemption ☐

Exemption Denied ☐

Standard Condition of Approval: The applicant shall obtain all required City Permits, including building permits from the Inspection Division (Room 315, City Hall (874-8703)) prior to the start of any construction.

Planner's Signature Barbara Bachmidt Date Nov. 3, 2010

PROVISION OF PORTLAND CITY CODE

14-523 (SITE PLAN ORDINANCE)

RE: Administrative Authorization

Sec. 14-523 (b). Applicability

No person shall undertake any development identified in Section 14-523 without obtaining a site plan improvement permit under this article

(c) **Administrative Authorization.** Administrative Authorization means the Planning Authority may grant administrative authorization to exempt a development proposal from complete or partial site plan review that meet the standards below, as demonstrated by the applicant.

1. The proposed development will be located within existing structures, and there will be no new buildings, demolitions, or building additions other than those permitted by subsection b of this section;
2. Any building addition shall have a new building footprint expansion of less than five hundred (500) square feet;
3. The proposed site plan does not add any new curb cuts, driveways, or parking areas; the existing site has no more than one (1) curb cut and will not disrupt the circulation flows and parking on-site; and there will be no drive-through services provided;
4. The curbs and sidewalks adjacent to the lot are complete and in sound condition, as determined by the public works authority, with granite curb with at least four (4) inch reveal, and sidewalks are in good repair with uniform material and level surface and meet accessibility requirements of the Americans with Disabilities Act;
5. The use does not require additional or reduce existing parking, either on or off the site, and the project does not significantly increase traffic generation;
6. There are no known stormwater impacts from the proposed use or any existing deficient conditions of stormwater management on the site;
7. There are no evident deficiencies in existing screening from adjoining properties; and
8. Existing utility connections are adequate to serve the proposed development and there will be no disturbance to or improvements within the public right-of-way.
9. There are no current zoning violations;
10. Any emergency generators are to be located to minimize noise impacts to adjoining properties and documentation that routine testing of the generators occur on weekdays between the hours of 9 a.m. to 5 p.m. Documentation pertaining to the noise impacts of the emergency generator shall be submitted; and
11. There is no anticipated noise, vibration, glare, fumes or other foreseeable impacts associated with the project.

- a. **Filing the Application.** An applicant seeking an administrative authorization under this subsection shall submit an administrative authorization application for review, detailing the site plan with dimensions of proposed improvements and distances from all property lines, and stating that the proposal meets all of the provisions in standards 1-11 of Section 14-523 (b)1.
- b. **Review.** Upon receipt of such a complete application, the Planning Authority will process it and render a written decision of approval, approval with conditions or denial, with all associated findings.
- c. **Decision.** If a full administrative authorization is granted, the application shall be approved without further review under this article, and no performance guarantee shall be required. In the event that the Planning Authority determines that standards a and b of Section 14-523 (b) (1) and at least four (4) of the remaining standards have been met, the Planning Authority shall review the site plan according to all applicable review standards of Section 14-526 that are affected by the standards in this subsection that have not been met. If an exemption or partial exemption from site plan review is not granted, the applicant must submit a site plan application that will undergo a full review by the Planning Board or Planning Authority according to the standards of Section 14-526.



September 22, 2010

Building Inspections Office, Room 315
City Hall
Portland, ME 04101

Dear Building Inspections office:

On behalf of the Children's Museum & Theatre of Maine, I am pleased to submit the attached project, *Growing Kids Greenhouse*, for consideration for site plan exemption. The proposed greenhouse, to be installed in the exterior space behind the museum, would be the cornerstone of new educational programming for children and families about plants, composting, and sustainable growing. The structure will be a 12' geodesic greenhouse kit purchased from Growing Spaces and install by our staff. The structure includes a pressure-treated bottom plate, 32" knee wall, and 6' dome with double wall polycarbonate glazing. The foundation will be set directly on the level ground and anchored using their rebar anchoring system (see attached) detail. Inside the dome we will grow plants off the ground on raised movable benches, allowing us flexibility in the space's arrangement. No plumbing or electric utilities are required for this project.

The project will take two days from start to finish and will be completed by our own staff at a cost of less than \$6,000 (price includes shipping and handling of materials). Because of the project's small scale and pre-built kit packaging I would like to request exemption from engineering and site review. Thank you for your consideration.

Sincerely,

Chris Sullivan
Director of Exhibits & Operations

Enc: Application for administrative authorization, greenhouse plan, anchoring system detail, and site plan, and General Permit Application.



142 Free Street
Portland, ME 04101

October 19, 2010

Building Inspections Office, Room 315
City Hall
Portland, ME 04101

Dear Building Inspections office:

Due to the unavailability of an ADA door for the 12' geodesic structure, I would like to amend my previous proposal from the geodesic dome to the Mt. Rainier green house kit. The Mt. Rainier is manufactured by Sunshyne Greenhouses and will be purchased from the Greenhouse Catalogue. The structure is 96 square feet, standing 9'11" tall with an 8'x12' footprint. The structure comes as pre-assembled panels made of durable and attractive redwood (second growth so that we can help preserve our ancient forests) and a recycled plastic base. The door will be a 39" wide Dutch-style door that will make the structure wheelchair-accessible so we can share it with all.

As with the geodesic proposal, the glazing will be made of durable double-walled polycarbonate panels. The foundation will be set directly on the level ground and anchored using their rebar anchoring system. Inside the dome we will grow plants off the ground on raised movable benches, allowing us flexibility in the space's arrangement. No plumbing or electric utilities are required for this project. The project will take two days from start to finish and will be completed by our own staff at a cost of less than \$5,000 (price includes shipping and handling of materials).

Staff will use the structure to grow native plants and vegetables for programming and daily tours that will help serve as an example for children and families of year round sustainable growing in Maine. This several year project will serve as a prototype to work out future building and educational plans involving growing plants, children, and families.

The project will take two days from start to finish and will be completed by our own staff at a cost of less than \$5,000 (price includes shipping and handling of materials). Because of the project's small scale and pre-built kit packaging I would like to request exemption from engineering and site review. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Sullivan".

Chris Sullivan
Director of Exhibits & Operations

Enc: New greenhouse plan, anchoring system detail, and photographs.

CC: Barbara Bartydt, Development Review Services Manager
Deb Andrews, Historic Preservation Program Manager

RECEIVED

OCT 20 2010

Dept. of Building Inspections
City of Portland Maine

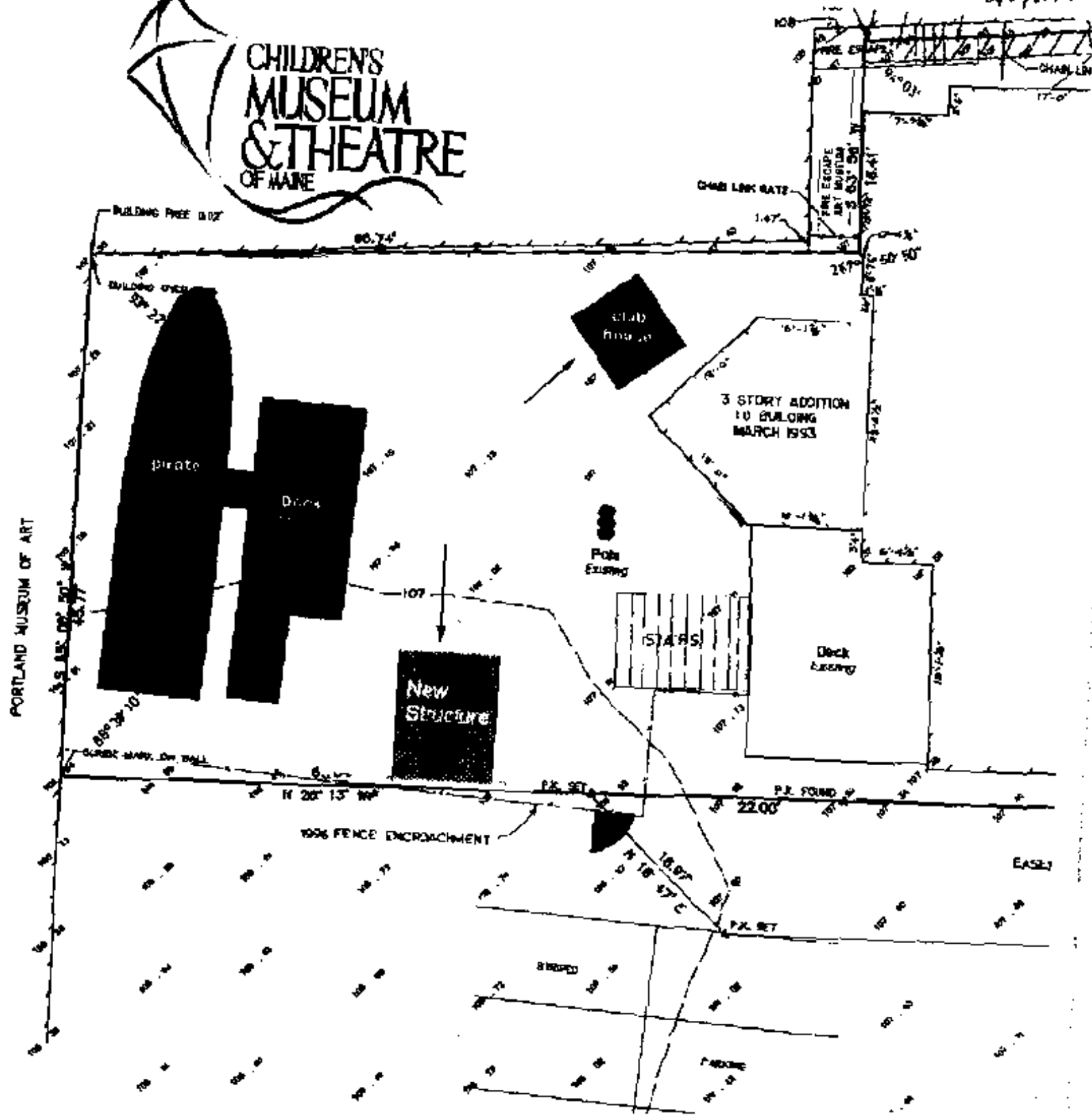
CHILDREN'S MUSEUM OF MAINE, INC.
BUILDING INTERIOR ELEVATIONS

NO.	LEVEL	ELEVATION
1	1ST FLOOR	100.00
2	2ND FLOOR	101.00
3	3RD FLOOR	102.00
4	4TH FLOOR	103.00
5	5TH FLOOR	104.00
6	6TH FLOOR	105.00
7	7TH FLOOR	106.00
8	8TH FLOOR	107.00
9	9TH FLOOR	108.00
10	10TH FLOOR	109.00
11	11TH FLOOR	110.00
12	12TH FLOOR	111.00
13	13TH FLOOR	112.00
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25	25TH FLOOR	124.00
26	26TH FLOOR	125.00
27	27TH FLOOR	126.00
28	28TH FLOOR	127.00
29	29TH FLOOR	128.00
30	30TH FLOOR	129.00
31	31ST FLOOR	130.00
32	32ND FLOOR	131.00
33	33RD FLOOR	132.00
34	34TH FLOOR	133.00
35	35TH FLOOR	134.00
36	36TH FLOOR	135.00
37	37TH FLOOR	136.00
38	38TH FLOOR	137.00
39	39TH FLOOR	138.00
40	40TH FLOOR	139.00
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44	44TH FLOOR	143.00
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161	161ST FLOOR	260.00
162	162ND FLOOR	261.00
163	163RD FLOOR	262.00
164	164TH FLOOR	263.00
165	165TH FLOOR	264.00
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167	167TH FLOOR	266.00
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271	271ST FLOOR	370.00
272	272ND FLOOR	371.00
273	273RD FLOOR	372.00
274	274TH FLOOR	373.00
275	275TH FLOOR	374.00
276	276TH FLOOR	375.00
277	277TH FLOOR	376.00
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CHILDREN'S
MUSEUM
& THEATRE
OF MAINE

BUILDING PRICE \$1.02*





CITY OF PORTLAND, MAINE
Department of Building Inspections

Original Receipt

10.22 2010

Received from

Christopher Sullivan

Location of Work

170th Ave

Cost of Construction

\$

Building Fee

Permit Fee

\$

Site Fee

Certificate of Occupancy Fee

Total

30

Building (B5)

Plumbing (15)

Electrical (12)

Site Plan (12)

Other

CBL

39.23

Check \$

Total Collected \$ 30

**No work is to be started until permit issued.
Please keep original receipt for your records.**

Taken by:

SLP

WHITE - Applicant's Copy

YELLOW - Office Copy

PINK - Permit Copy

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703. Fax: (207) 874-8716

Permit No: 10-1326	Issue Date:	CBL: 039 8003001
-----------------------	-------------	---------------------

Location of Construction: 142 FREE ST	Owner Name: CHILDREN'S MUSEUM OF MAI	Owner Address: PO BOX 4041	Phone:
Business Name:	Contractor Name: Childrens Museum	Contractor Address: 142 Free Street Portland	Phone: 2078281234
Lessee/Buyer's Name	Phone:	Permit Type: <u>Addition</u> Amendment to Commercial	Zone: B-3

Past Use: Children's Museum Of Maine	Proposed Use: Children's Museum Of Maine- Amend permit# 101196 - change from geodesic greenhouse to 8' x 12' greenhouse to be ADA compliant	Permit Fee: \$30.00	Cost of Work: \$30.00	CEO District: 1
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>*See Conditions</i>	INSPECTION: Use Group <u>U</u> Type:	

Proposed Project Description: Amend permit# 101196 - change from geodesic greenhouse to 8' x 12' greenhouse to be ADA compliant	Signature: <u>(K6)</u>	Signature: <u>JMB 11/17/10</u>
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
Action <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
Signature:		Date:

Permit Taken By: Idobson	Date Applied For: 10/22/2010	Zoning Approval
-----------------------------	---------------------------------	-----------------

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input checked="" type="checkbox"/> Site Plan <i>Exemption</i> <i>#10-69 0081</i></p> <p>Major <input type="checkbox"/> Minor <input type="checkbox"/> MDM <input type="checkbox"/></p> <p><i>OK w/ conditions</i> Date: <i>10/25/10 JMB</i></p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p>Historic Preservation <i>yes</i></p> <p><input type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input checked="" type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>10/25/10</i></p>
	<p>PERMIT ISSUED</p> <p>NO</p> <p>City of Portland</p>		

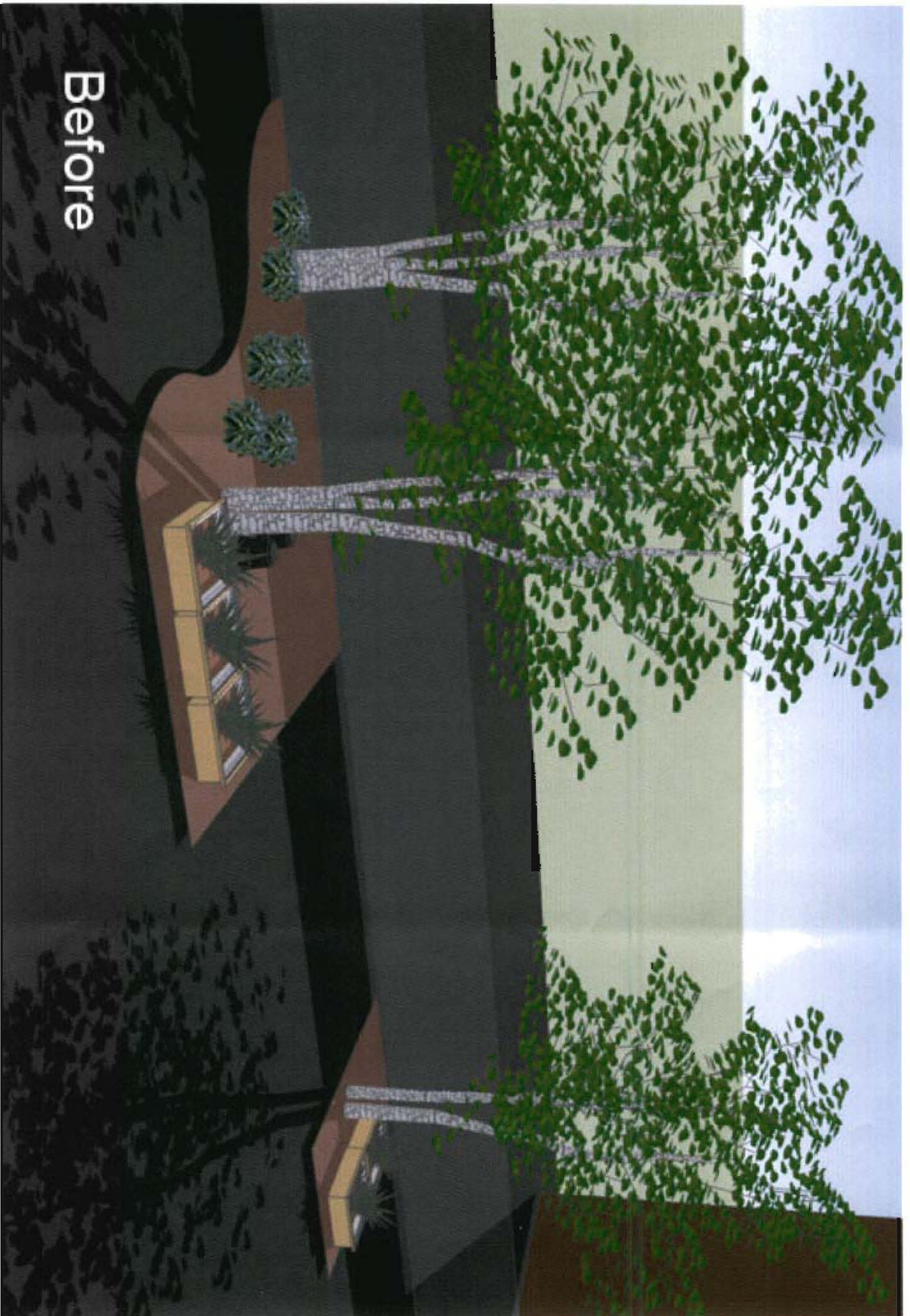
D. Andrews

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 authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
------------------------	---------	------	-------

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE	DATE	PHONE
---	------	-------



Before



After



Congratulations!

You've completed your Sunshine GardenHouse and will get years of useful enjoyment from it. Please send us your owner registration form so that we can get in touch with you in the future. We are very interested in your GardenHouse experience. A shade cloth kit, a comprehensive new book for greenhouse gardeners, and a growing choice of GardenHouse accessories are available.

Optional 8 Foot Bench Kit

Get the optimum use from your GardenHouse with this specially designed 21" deep bench kit. Made of clear-grade, dried redwood to match your GardenHouse, it attaches to the house frame so that no legs get in the way. Attach one bench kit on each side for a 2' 5" aisle.

To purchase bench kits, see your local GardenHouse dealer



Sunshine GardenHouse

P.O. Box 2068

Longview, WA 98632

Toll Free: 888-272-9333

Sunshine GardenHouse

GardenHouse Assembly Instructions

GKP68 Model

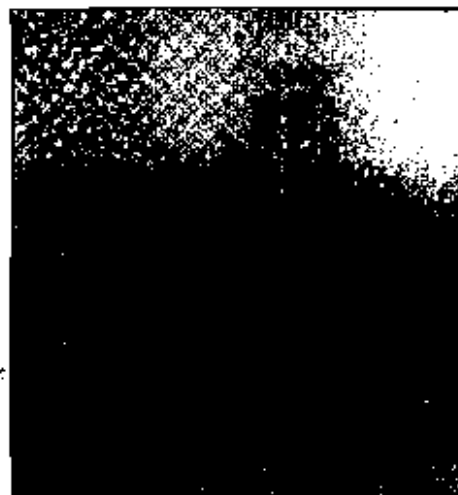


Automatic Vent Operators continued

Place the piston through the threaded bolt and into the sleeve with the sleeve pointing down. Insert pin in outermost holes of sleeve and piston.

To detach automatic operators for manual operation or to prevent opening, simply squeeze the side bars together and release them from the bracket.

Restraining vents from opening when operators are attached will damage the operator and/or frame.



14 Wind Stops

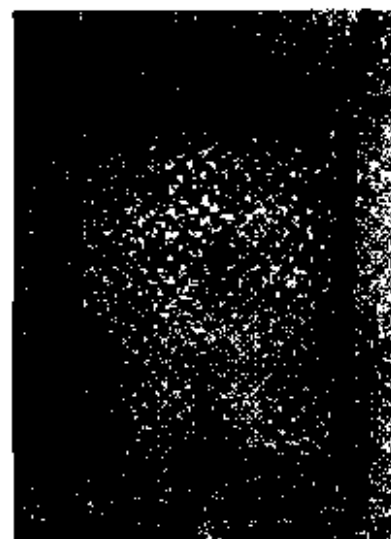
To seal around door, extend all wind stops $3/4$ " into the door and base vent openings.

Center and attach wind stop over the top of door jamb, then butt the side wind stops to it using $1-1/4$ " screws.

Center and attach wind stop over the base vent, then butt the side wind stops to it using $1-1/4$ " screws.



Wind stop over door jamb



Wind stop over base vent

Note: To prevent small animals from entering your GardenHouse through the base vent, install wire mesh, chicken wire, netting or open weave hardware cloth ($1/4$ " minimum opening) on the inside of the frame (not included). Standard window screen material restricts circulating air.



Sunshine GardenHouse

GardenHouse Assembly Instructions

GKP68 Model

Roof Vent continued

Rest roof vent over ridge. Align shim under hinge, and attach using 1-1/4" screws through the hinges.



13 Automatic Vent Operators

Center the vent operators on the vent frames. Note the different angles of attachment for the roof and base operators. Attach with 1-1/4" screws. Refrigerating the black cylinder for about an hour before installation allows you to compress the piston for easier attachment.

Roof Vent



Notes About The Automatic Vent Operators:

Occasional lubrication of the pistons in your automatic vent operators will keep them working freely. Just a drop of light oil such as "3-in-1" spread over the piston is all that is needed.

If the temperature in your GardenHouse drops below freezing, (generally because of lack of winter use), it's a good idea to remove the black cylinder with the piston and take it to a warmer location so the paraffin in the unit won't freeze. Remember to reinstall them in the spring.



Base Vent

Sunshine GardenHouse

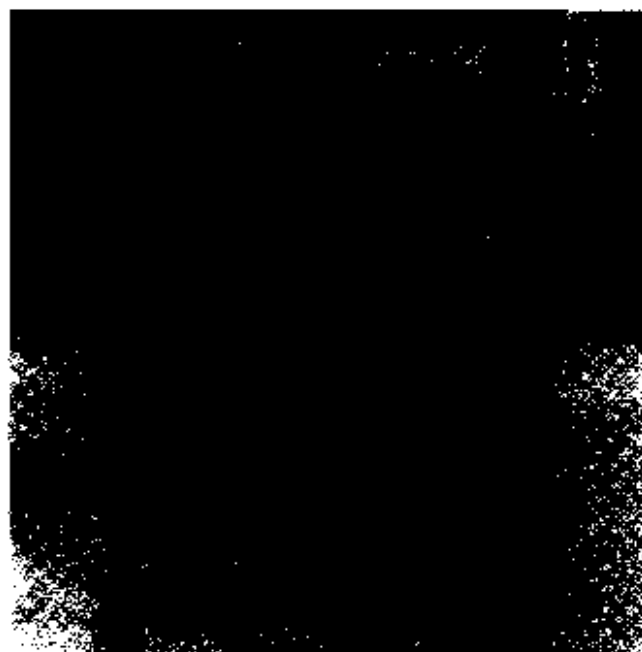
GardenHouse Assembly Instructions

GKP68 Model

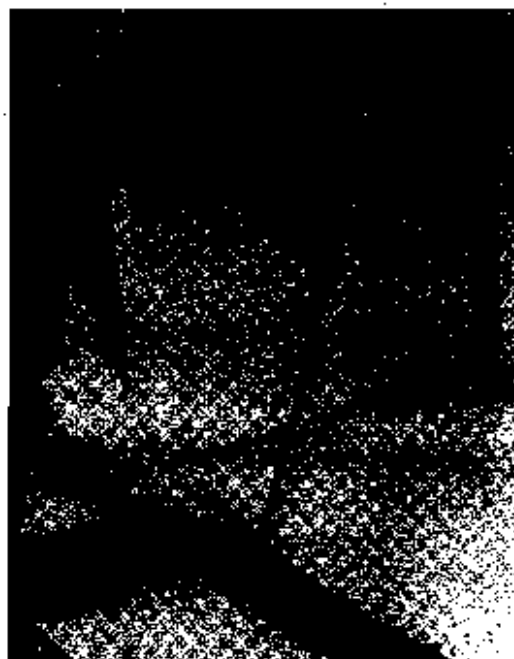


12 Roof Vent

Position roof vent parts inserting glazing into groove with hinges on inside. Fill connector holes with 3/4" screws.



Using 1-1/4" screws, attach supplied connectors to reinforce vent. The protective card may now be removed.



Cut and attach self-adhesive insulating tape to the inside of vent perimeter.



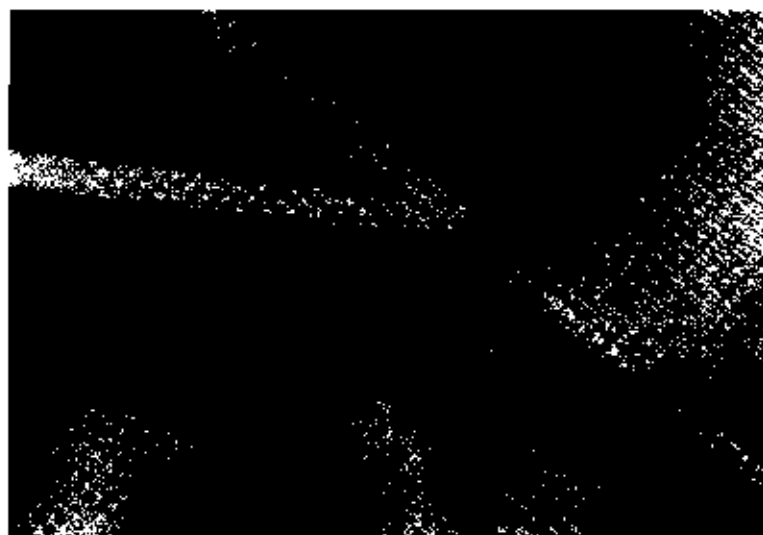
Sunshine GardenHouse

GardenHouse Assembly Instructions

GKP68 Model

10 Collar Tie

Position the collar ties at the midpoint of the inside of the GardenHouse. Fasten with 2-1/2" screws through four pre-drilled holes.



11 Apex

Rest 8 foot 2x2 apex into the "V" at the top of the GardenHouse. Attachment is not necessary.



Cover apex board with two pieces of metal flashing overlapping approximately 2" at center. Attach through pre-drilled holes with 1-1/4" screws. This will fasten both the flashing and apex.



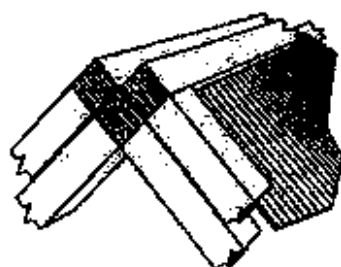
Sunshine GardenHouse
GardenHouse Assembly Instructions
GKP68 Model



9 Roof



Roof panels are not interchangeable. Labels indicate location when the viewer is facing the front door from the outside. Measure and mark on outside top of sidewall plate 48" from front wall. Starting with rear roof panels, slide each panel into roof ridge connector. Fasten to connector with 3/4" screws. Align roof panel with the 48" mark on the sidewall top plate. Use seven 2-1/2" screws through pre-drilled holes to attach each rear panel starting with the hole nearest the mark.



Closeup of connection.

Attach front roof panels in the same manner as rear panels. On each side of roof, attach two roof panels to each other through four pre-drilled holes.



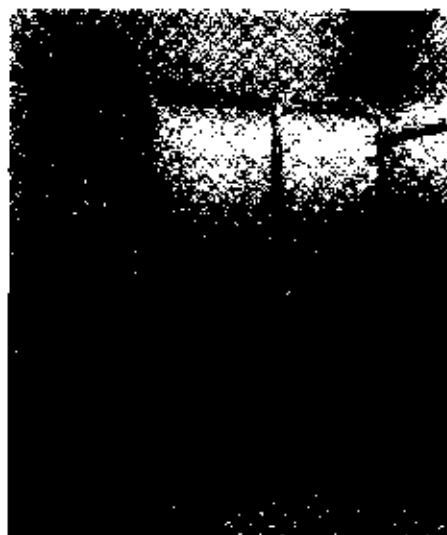


Sunshine GardenHouse

GardenHouse Assembly Instructions

GKP68 Model

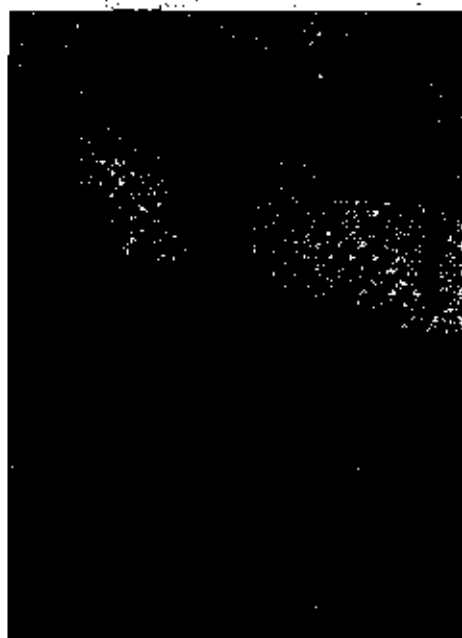
8 Side Walls



All side wall panels are identical. Position a side wall with connectors facing inside and metal angle on top.



Drive 2-1/2" screws into two pre-drilled holes at corner. Maintain flush corners. Drive 1-1/4" screws through connectors on outside, lifting any sag from top plate.



Press panels into position at center of walls.



Use four 2-1/2" screws to attach through pre-drilled holes at wall's inside center. Finish center connectors on outside of walls with 1-1/4" screws. Repeat this for other sidewall panels.



7 Back Vent Panel



Slide back vent panel snugly up into position so that vent swings freely at the base. Fasten top end using one 2-1/2" screw through the pre-drilled hole.

Fasten sides with four 2-1/2" screws through the pre-drilled holes.



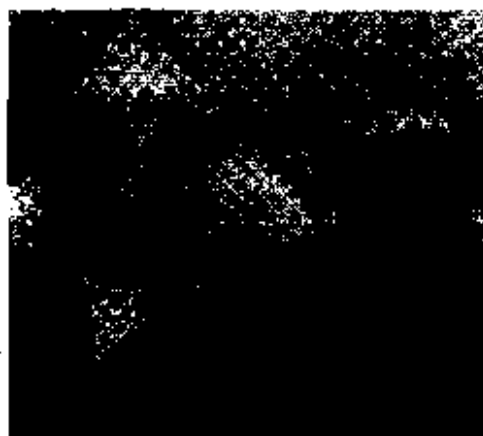


Sunshine GardenHouse

GardenHouse Assembly Instructions

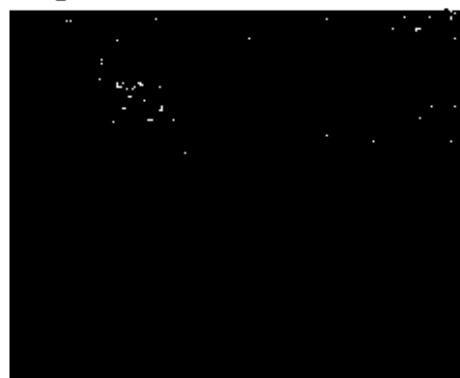
GKP68 Model

4 Top Back and Front Panels



Position triangular top back and front panels with ridge connectors facing in. Ensure that roof line is continuous. Fasten with 1-1/4" screws.

5 Side Wall Top Plates



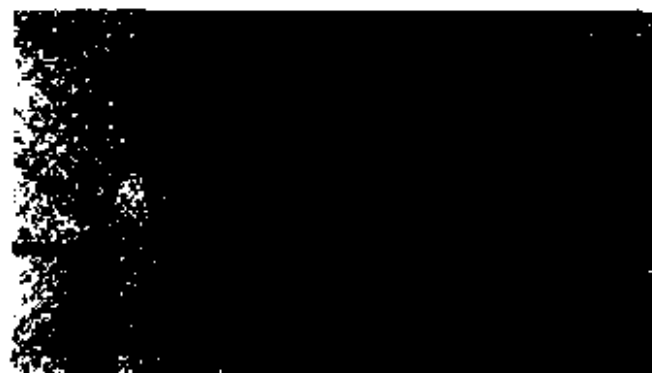
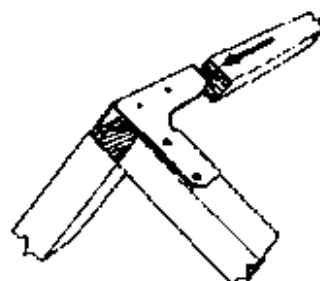
Closeup of connection.

Using 1-1/4" screws, attach side wall top plates between front wall and back wall. Drive screws into untaped holes only.

6 Roof Ridge

Slip the roof ridge into the connector between front and back walls. The roof ridge has one centered connector and another connector nearest to the front wall. Drive 3/4" screws into untaped holes only.

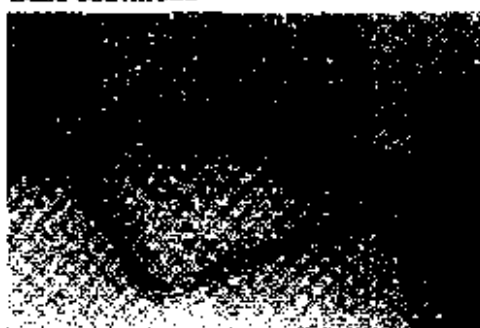
Detail of connection



Sunshine GardenHouse
GardenHouse Assembly Instructions
GKP68 Model

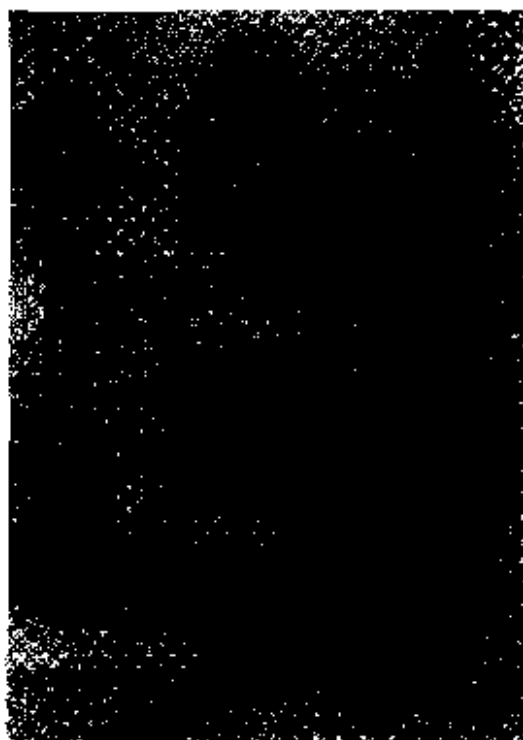


Base continued



Check that the base is square by measuring diagonally across from corner to corner on both sides. The measurements should be within 1/2" of each other. If more than 1" difference exists, reposition the base members and use the stub block as you tighten and square the corners.

2 Back Wall



Place the two back wall panels on the back wall base plate with panel connectors facing inside. Slide the corner posts into their corners.

Drive screws into untaped holes only. Some holes are pre-taped and do not require filling. Fasten back wall panels to back base plate with 1-1/4" screws at corners and vent jamb.

3 Front Wall



Place front wall panels on the front wall base with panel connectors facing inside. Door is on the left hand panel, viewed from the outside. *Drive screws into untaped holes only.* Insert the corner posts into their corners. Fasten front wall panels to front base plate and door jamb with 1-1/4" screws.



Sunshine GardenHouse

GardenHouse Assembly Instructions

GKP68 Model

A 6' x 8' level work space is needed so the GardenHouse will be squarely-built and the panels will join tightly. All major components of the kit are panelized so that you and a helper can assemble the GardenHouse in a few hours. A second person is essential to position the panels.

The Standard Building Code states that "a greenhouse with wood frame construction shall be located not less than 5 feet from an adjoining structure or property line" (Section 502, Greenhouses). Your local building code may vary, so check with local building officials.

Tools Required:

- * Screw gun or variable speed drill with Phillips drivebit. All screws are supplied.
- * 6 foot stepladder.
- * 12 foot tape measure.
- * Safety goggles.
- * Gloves.
- * Optional: 3 tubes (10.1 oz. each) of silicone-based clear caulk. Use this to seal joints, to provide additional protection against wind-driven rain or very cold climates. This type of caulk adheres well to redwood and the glazing panels.

Always wear the appropriate safety equipment, and follow the manufacturer's instructions when using power tools.

Anchoring

Anchor the GardenHouse to the ground at each corner. If the site is in a windy area, we recommend embedding stakes into poured concrete. If you're anchoring the GardenHouse to a concrete slab or through wood, purchase anchors based on your particular site conditions from your local building products retailer.

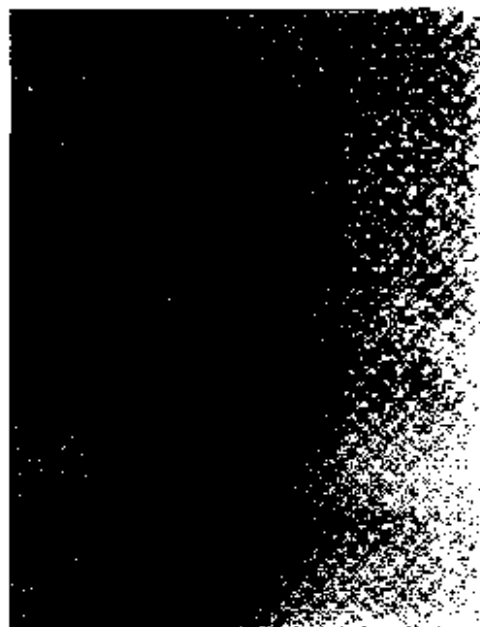
A Note About the Base

You may notice some curl in the plastic lumber base prior to erecting your GardenHouse. It may have shifted within the carton and a temperature change can temporarily cause it to take a new shape. Laying the base on a warm flat surface will allow it to become straight as its "memory" returns. Once your GardenHouse is assembled, the base will remain straight.

1 Base



Use 1-1/4" screws to assemble the two side wall bases, front wall base, and back wall base. The front door will eventually be positioned over the front wall base. All connectors face outside on the base.



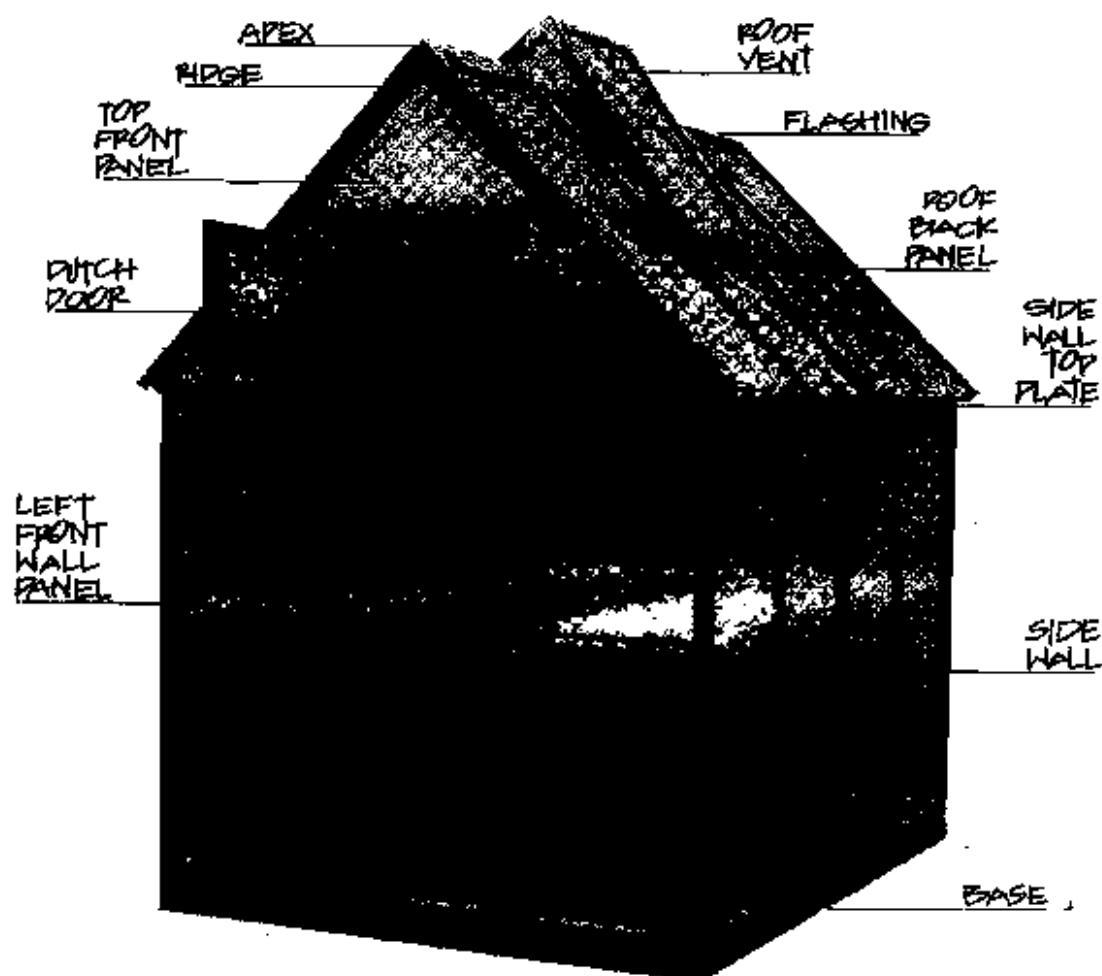
Use the stub block when installing each corner connector so that adequate corner space is left for inserting corner posts.



Sunshine GardenHouse

GardenHouse Assembly Instructions

GKP68 Model



BASE VENT, COLLAR TIE, BACK VENT PANEL
AND WIND STOPS NOT VISIBLE

From: "Chris Sullivan" <chris@kitetails.org>
To: <Jmb@portlandmaine.gov>
Date: 11/17/2010 2:39 PM
Subject: childrens Museum Greenhouse
Attachments: 12' Rebar Anchoring.pdf

I looked through my notes and say that the information I had is from a phone conversation, however I am attaching a drawing illustrating what we hope to do. If you need more information please let me know and I can go back to them to get something in writing.

Thanks

Chris Sullivan
Director of Exhibits and Operations
Children's Museum & Theatre of Maine
142 Free Street
PO Box 4041
Portland, Maine 04101
T: 207-828-1234 x234
F: 207-828-5726
<<http://www.kitetails.org/>> www.kitetails.org

"The Children's Museum & Theatre of Maine exists to inspire discovery and imagination through exploration and play."

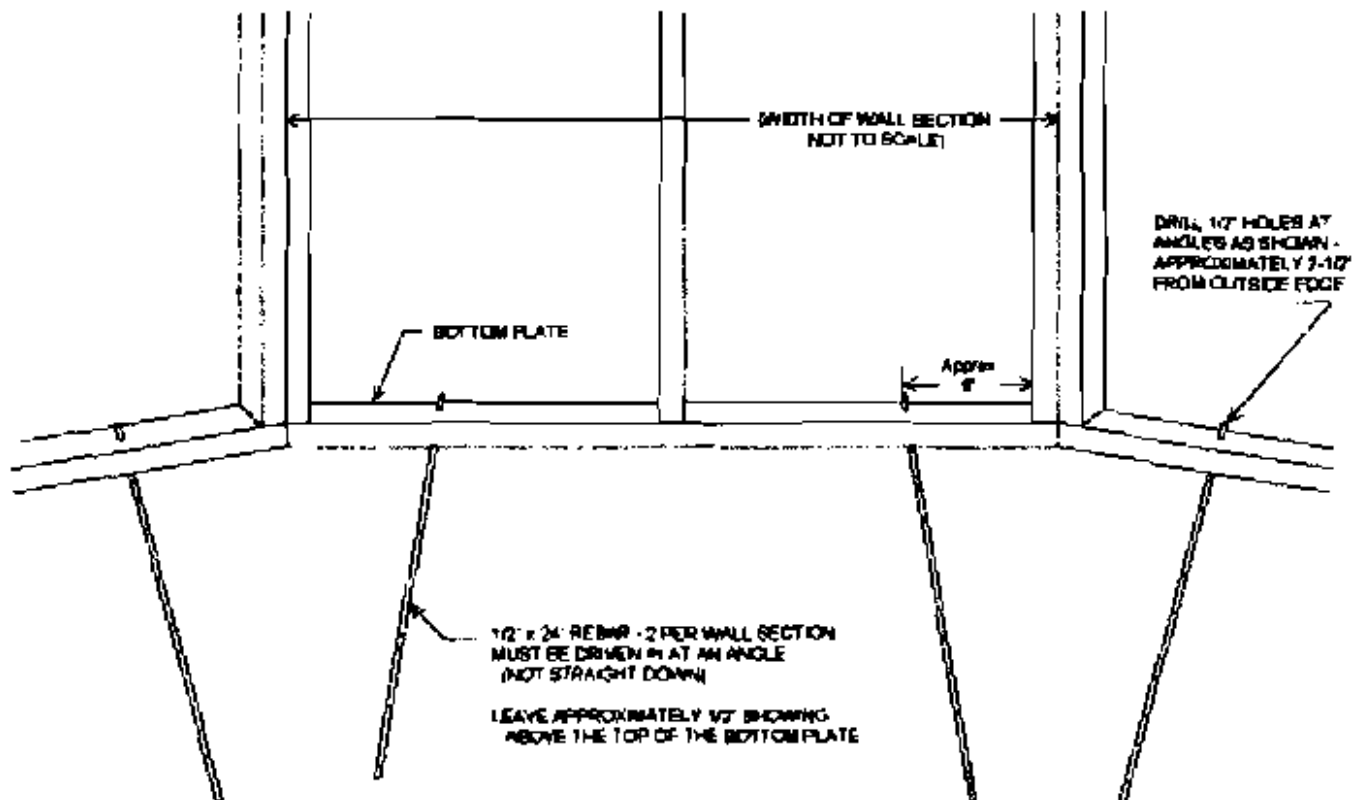
RECEIVED

NOV 17 2010

Dept. of Building Inspections
City of Portland Maine

REBAR ANCHORING SYSTEM DETAIL

INSIDE VIEW



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NOV 17 2010
NOV 16 2010
Dept. of Building Inspections
City of Portland
City of Portland
City of Portland