

Project Proposal

Date Estimated Start Date: March 15th 2021

Property Address 9458 N. Regent Ct. Bayside WI 53217

Zoning B

- | | |
|---|--|
| <input checked="" type="checkbox"/> Accessory Structures/Generators | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Additions/Remodel | <input type="checkbox"/> Play Structures |
| <input type="checkbox"/> Bluff Management | <input type="checkbox"/> Recreational Facilities/Courts |
| <input type="checkbox"/> Commercial Signage | <input type="checkbox"/> Roofs |
| <input type="checkbox"/> Decks/Patios | <input type="checkbox"/> Solar Panels/Skylights |
| <input type="checkbox"/> Fence | <input type="checkbox"/> Swimming Pools |
| <input type="checkbox"/> Fire Pits | <input type="checkbox"/> Windows/Doors-change exceeds 25% of opening |
| <input checked="" type="checkbox"/> Landscaping requiring Impervious Surface/Fill/Excavation Permit | <input type="checkbox"/> Other |

Proposed project details (type of work, size, materials, etc.):

The proposed project is a two level treehouse "accessory structure". This structure will include a cantilevered lookout platform, net and branch railings, and a roof. The total square footage of the roof is greater than 50ft2 therefore an application for impervious surface will also be submitted. The structure will rest on a foundation of helical auger piers and traditional concrete footings. Cedar and pressure treated framing will be attached to black locust posts and rest atop exterior grade glulam beams. Attachments will be made with hurricane clips where required. Additional attachment to existing trees done using treehouse tabs.

***** **For Office Use Only** *****

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Color photographs showing project location, elevations and surrounding views
<input type="checkbox"/>	<input type="checkbox"/>	Two (2) complete sets of building plans (including elevations and grading)
<input type="checkbox"/>	<input type="checkbox"/>	Survey
<input type="checkbox"/>	<input type="checkbox"/>	Samples or brochures showing materials, colors and designs
<input type="checkbox"/>	<input type="checkbox"/>	Application Fee
<input type="checkbox"/>	<input type="checkbox"/>	Parcel Number
<input type="checkbox"/>	<input type="checkbox"/>	ARC Agenda Date:
<input type="checkbox"/>	<input type="checkbox"/>	Building Permit
<input type="checkbox"/>	<input type="checkbox"/>	Fill Permit
<input type="checkbox"/>	<input type="checkbox"/>	Impervious Surface Permit
<input type="checkbox"/>	<input type="checkbox"/>	Plan Commission/Conditional Use Permit
<input type="checkbox"/>	<input type="checkbox"/>	Tax Key Number
<input type="checkbox"/>	<input type="checkbox"/>	Right-of-Way/Excavation Permit
<input type="checkbox"/>	<input type="checkbox"/>	Variance Required



01/25/2021

Attention:
Village of Bayside, WI
Architecture Review Committee

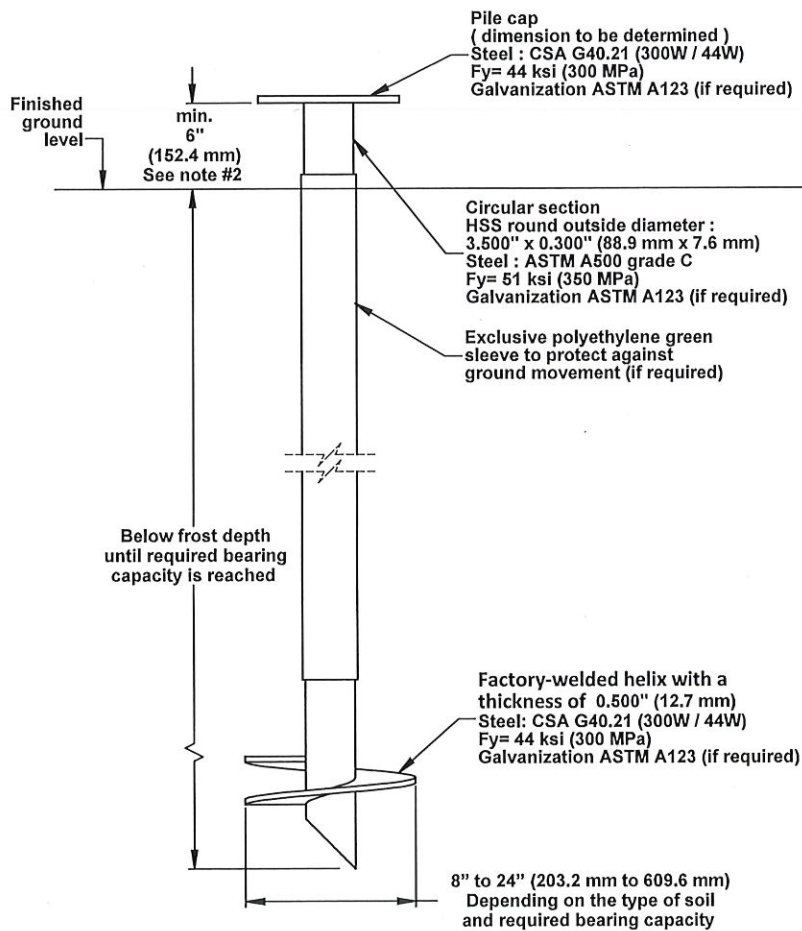
PROJECT/SITE OWNER: Ryan Bruce PROJECT ADDRESS: 9458 N. Regent Ct.	PROJECT SUMMARY: Treehouse accessory structure
---	---

VILLAGE CODE REVIEW

Reviewer believes the accessory structure (treehouse) complies with the following Village code section:
14-2(a)(2) Architectural Review Committee: *Construction and renovation should be made so that exterior architectural appearance shall be substantially consistent with structures already constructed in the immediate neighborhood, or with the character of the applicable district.*

Note: Plans submitted for review are approved

Tod Doebler
Plan Reviewer
262-957-7414
tdoebler@safebuilt.com



NOTES:

1. The designer must refer to the Techno Metal Post selection table regarding the bearing capacity of the piles.
2. The minimum height shown on the plan is appropriate for aboveground applications only.

techno Metal Post

1700, Sellakwe Street
Thetford Mines (QC) G6G 8B2
CANADA
www.technometalpost.com

CONFIDENTIAL

THE INFORMATION CONTAINED
IN THIS DRAWING IS THE SOLE
PROPERTY OF TECHNO METAL POST INC.
ANY REPRODUCTION IN PART OR
AS A WHOLE WITHOUT THE WRITTEN
PERMISSION OF TECHNO METAL POST INC.
IS PROHIBITED

REVISIONS

DATE	DESCRIPTION	REV.
2013/06/27	Revised of load capacity	1
2020/10/22	Revised entire drawing.	2

Client :

Client address :

**NOT FOR
CONSTRUCTION**

Project :

Drawing :

**Techni Metal Post single helix
Model P3HD**

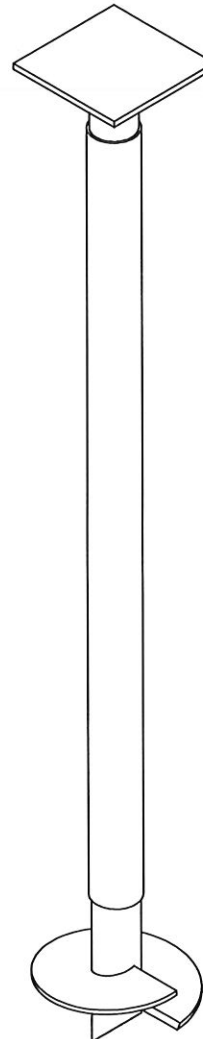
Approved by :

Date :
2011/10/31

Scale :
N/A

Drawing no :
P3HD-Rev2-A-USA

Page number :
SHEET 1 OF 1



Shaft

Wall Thickness	0.216" (5.5 mm)
Round HSS Outside Diameter	3.5" (88.9 mm)
Available Standard Lengths	7'-0" (2.1 m) / 10'-6" (3.2 m)

Load Specifications

Max. Installation Torque :

with Regular and Expanded coupling	8,509 ft-lb (11,527 N-m)
with Reinforced coupling	11,000 ft-lb (14,902 N-m)
Max. Allowable Capacity*	29.8 kips (132.4 kN) to 33 kips (146.7 kN)

* Higher load ratings could be considered with site-specific engineering.

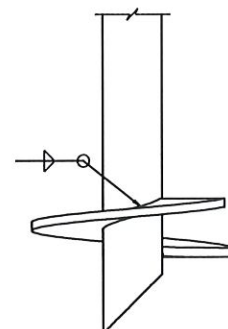
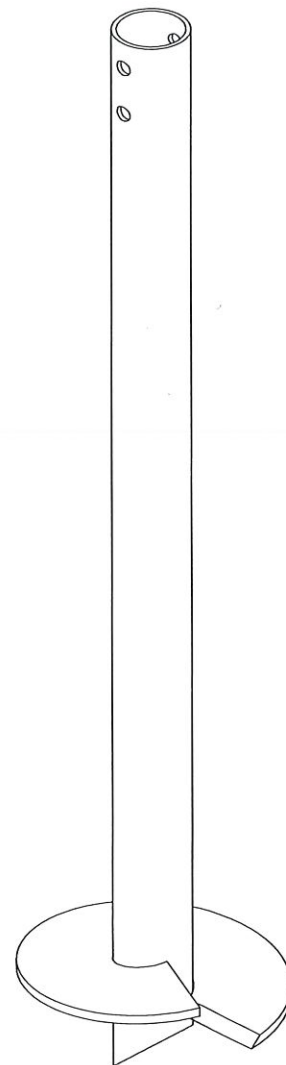
Technical Specifications

Commonly Used Structure	Heavy Residential
	Light to Medium Commercial
	Industrial
Code Evaluation	Listed per
	ICC-ES (ESR-3418) / IAPMO-UES (ER-481)
Standard Steel	ASTM A500 Grade C
	Fy=51 ksi min (350 MPa)
Black Steel Design Life	50 years per AC308
Coating	Galvanized or Black Steel
Galvanization Compliance	ASTM A123/A123M
Additional Corrosion Protection	Cathodic Protection System available

Helix

Pitch	3" (76.2 mm) / 5" (127 mm)
Thickness	0.5" (12.7 mm)
Standard Steel	CSA G40.21-44W
	Fy=44 ksi min (300 MPa)
Coating	Galvanized or Black Steel
Multiple Welded Helix	Available
Helix Size*	8" (203 mm) to 24" (610 mm)

* Other sizes available upon request.

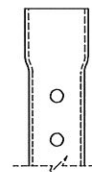
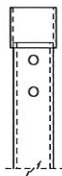


Sleeve (Available)

Function Utility	Protection against soil movements
Wall Thickness	1/16" (1.6 mm)
Round HSS Outside Diameter	± 3.75" (± 95.2 mm)
Length	± 66" (± 1.67 m)
Weight	± 1.5 lb (± 0.68 kg)
Material	HDPE
Color	Green

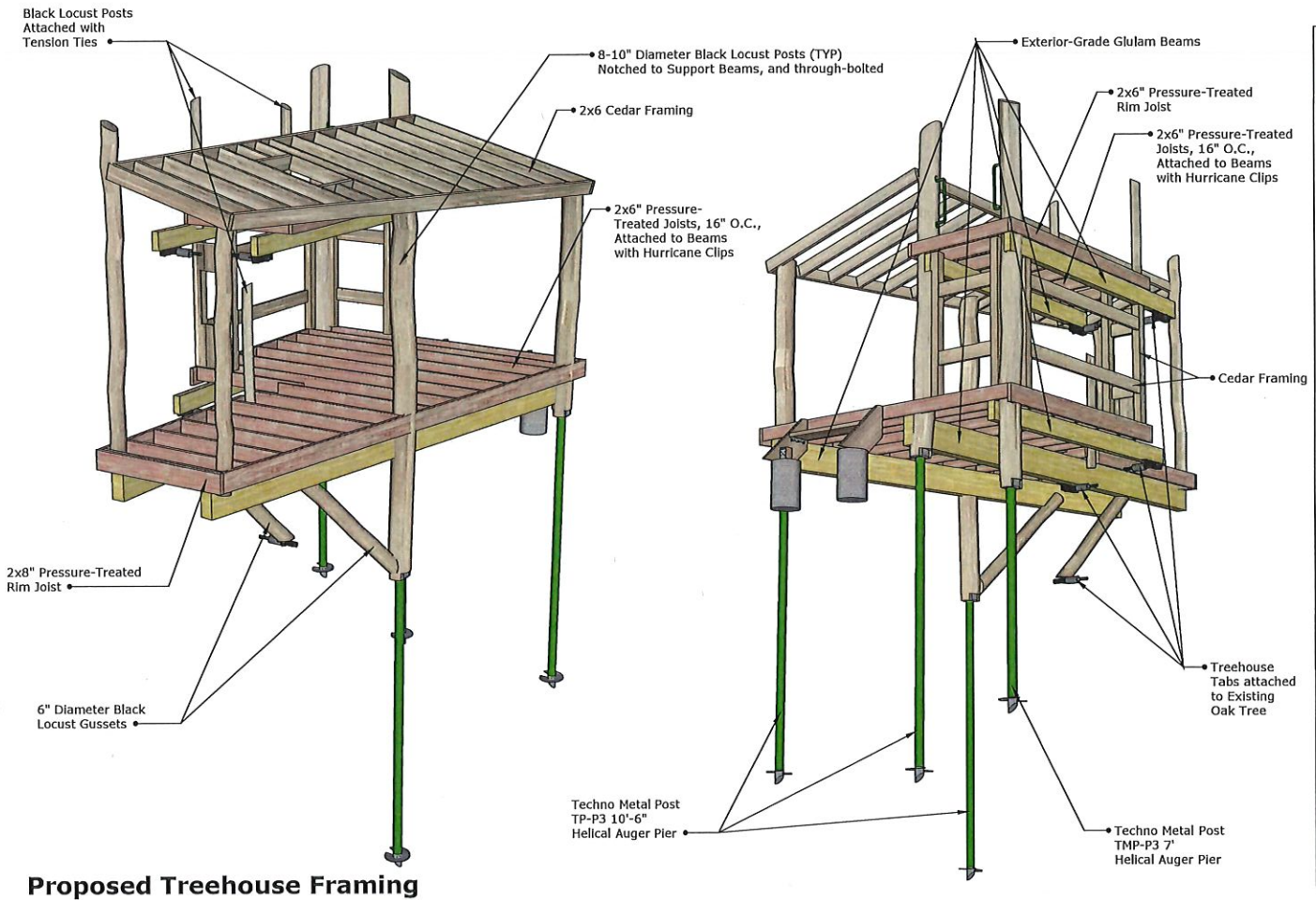


Outside Couplings



	Regular	Reinforced	Expanded
Assembly	Welded	Welded	-
Wall Thickness	0.226" (6 mm)	0.226" (6 mm)	0.188" (4.8 mm)
Round HSS Outside Diameter	4" (102 mm)	4" (102 mm)	4" (102 mm)
Standard Steel	ASTM A500 Grade C Fy=51 ksi min (350 MPa)	ASTM A500 Grade C Fy=51 ksi min (350 MPa)	ASTM A500 Grade C Fy=51 ksi min (350 MPa)
Length*	3.5" (88.9 mm)	8.75" (222.3 mm)	2.5" (63.5 mm)

* Length of outside coupling welded on-site.



GRG Playscapes
414.219.9007
www.grgplayscapes.com
4121 S. 6th St.
Milwaukee, WI 53221

CLIENT
Bruce Residence
9458 N. Regent Court
Bayside, WI 53217

DATE
1.4.21
PROJECT
1.13.21

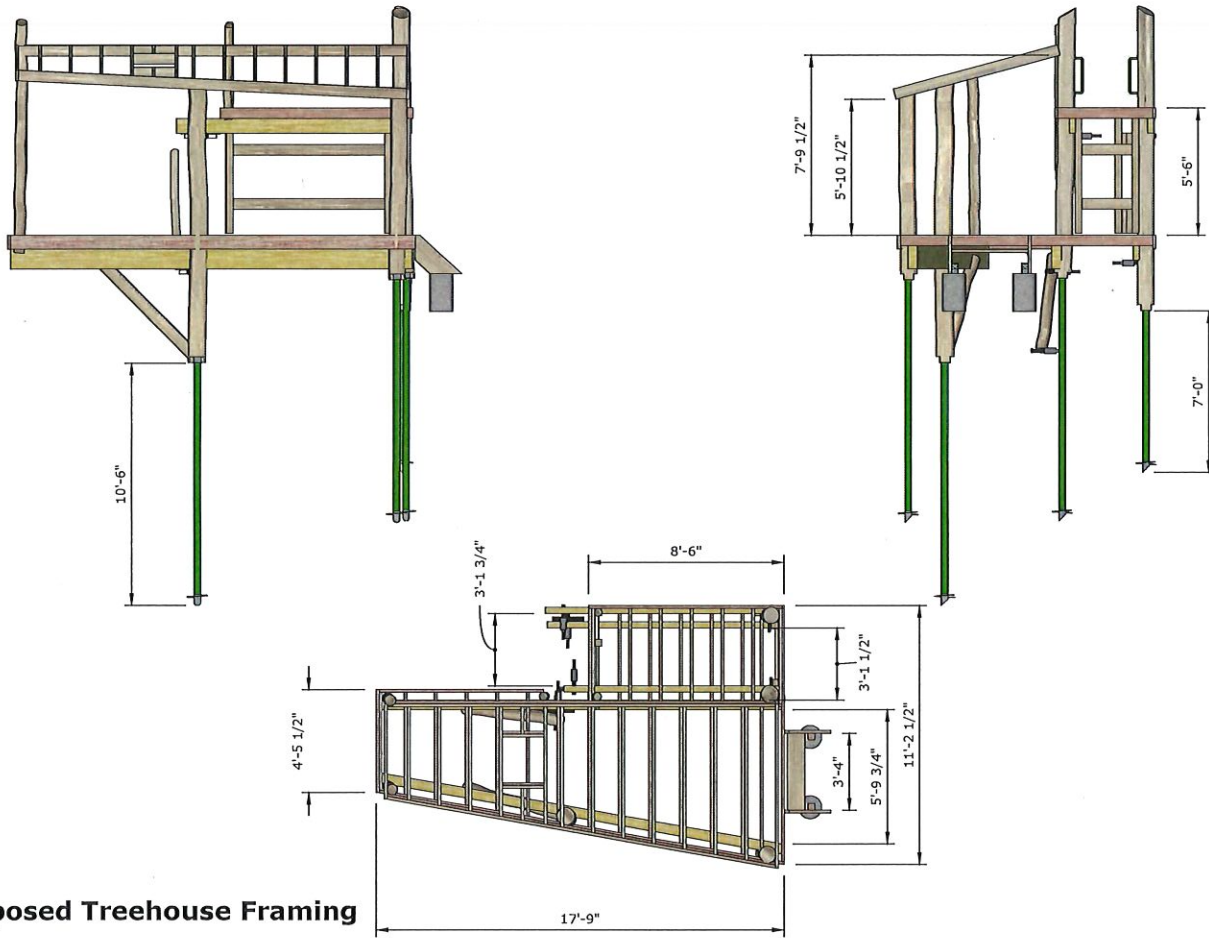
PROJECT
Treehouse

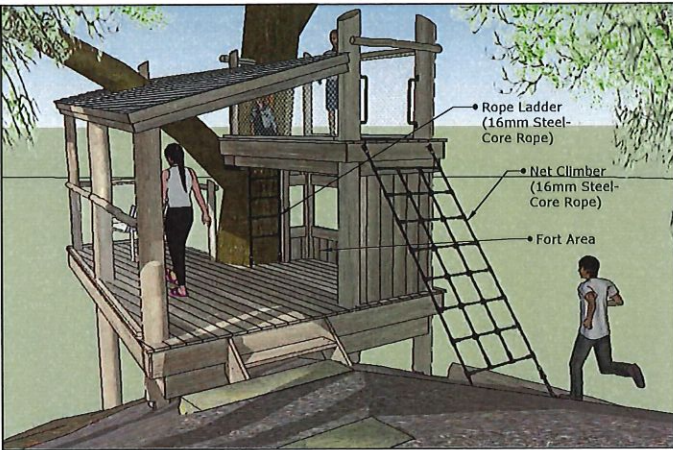
DRAWN BY
Aaron Holder
DATE
11/17
Scale: NTS

a

6

Proposed Treehouse Framing





GRG Playscapes
414.219.9007
www.grgplayscapes.com
4121 S. 6th St.,
Milwaukee, WI 53221

CLIENT
Bruce Residence
9458 N. Regent Court
Bayside, WI 53217

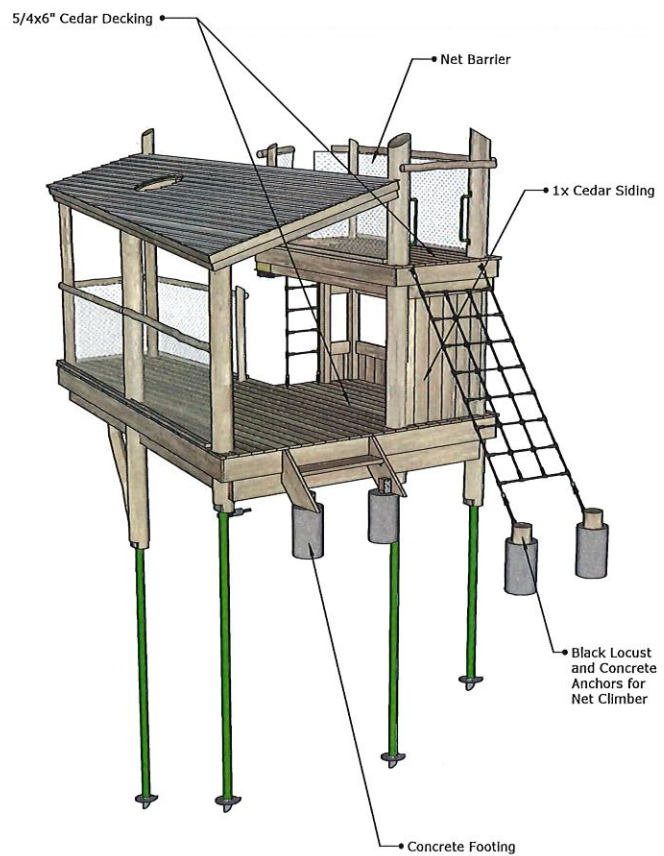
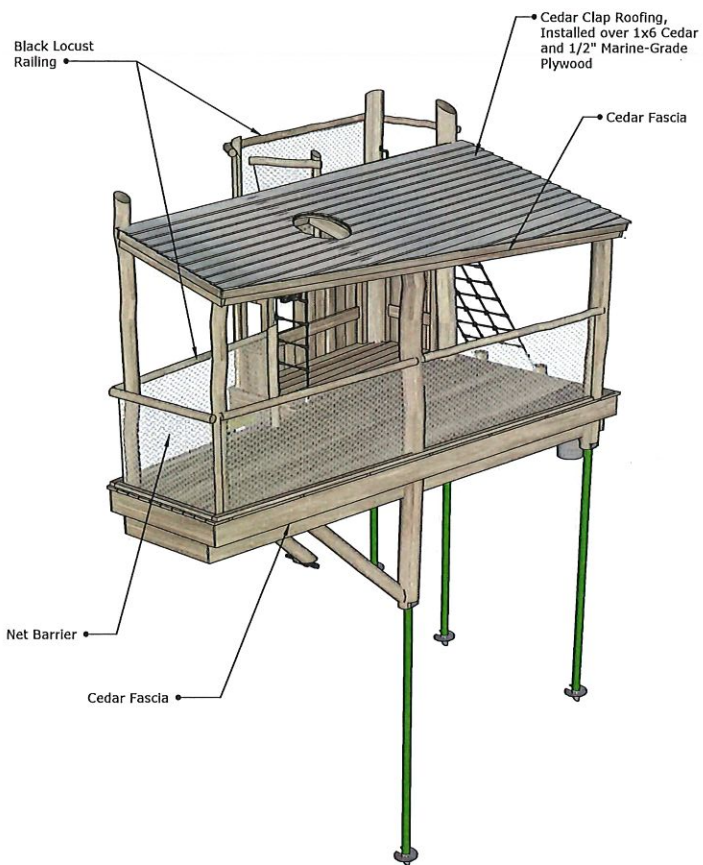
ISSUE
1.4.21
REVISED
1.13.21

PROJECT
Treehouse

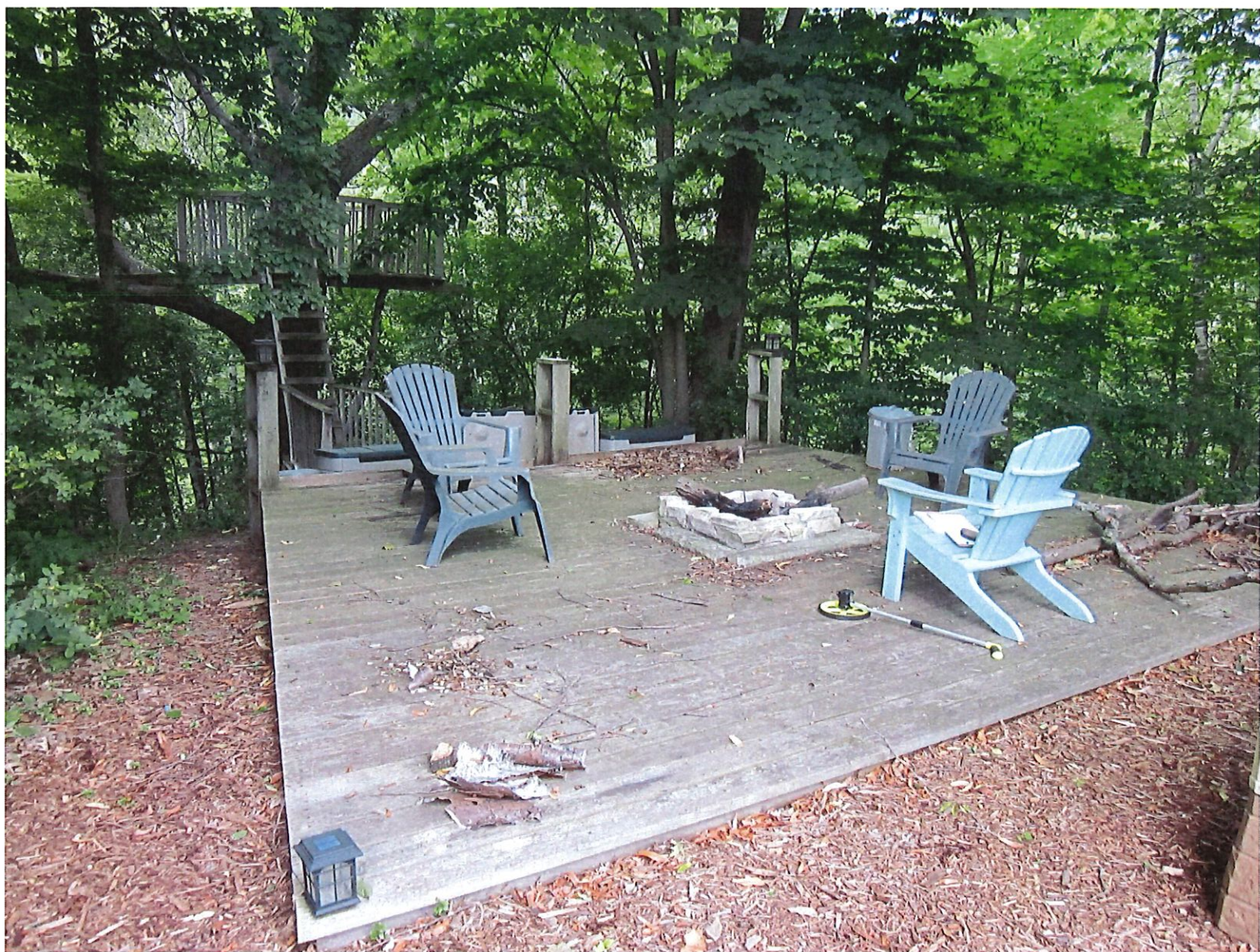
DRAWN BY
Anron Holder
Description
R101
Scale: NTS

a

4



Proposed Treehouse







VIO H. ELM GROVE ROAD
 ELM GROVE, WISCONSIN
 53122-4107

Owner: Mr. Dave Rice
 Location: 50, Regent Court

DESCRIPTION OF PROPERTY
 Lot 16, Block 1, of Bayside Marina Park, being a Subdivision of a part of the Assessment
 Subdivision No. 236 and a part of the Southwest 1/4 of Section 14, Township 6 North,
 Range 22 East, in the Village of Bayside, Milwaukee County, Wisconsin.

NOTES:
 1. 4 SIDINGS 1.0" OUT, 1.0" OUT
 2. 1.0" OUT, OTHER SIDINGS AT 1.0" OUT
 3. 1.0" OUT, OTHER SIDINGS AT 1.0" OUT

1.0" OUT
 1.0" OUT
 1.0" OUT

1.0" OUT
 1.0" OUT
 1.0" OUT

