

Agenda Supplement

January 18, 2023
HDC Meeting

Applicant Submitted Information

CASES NOT HEARD ON JANUARY 11 MEETING

https://charlottenc.gov/planning/HistoricDistricts/Documents/HDC_2023_01_Jan_agenda.pdf


14. 1512-1514 Southwood Av (PID: 11908311)
HDCCMI-[2022-00805](#)
Wilmore
Ron Skufca, Applicant

NEW CASES

NEW CONSTRUCTION

1. 1913 Cleveland Av (PID: 12105619)
HDCCMA-[2022-00954](#)
Dilworth
Jennifer Rea, Applicant

14. 1512-1514 Southwood Av (PID: 11908311)
HDCCMI-[2022-00805](#)
Wilmore
Ron Skufca, Applicant



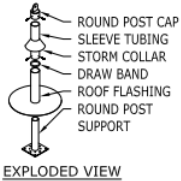
RoofScreen MFG., INC.
347 CORAL STREET
SANTA CRUZ, CA 95060

DRAWN BY: ML

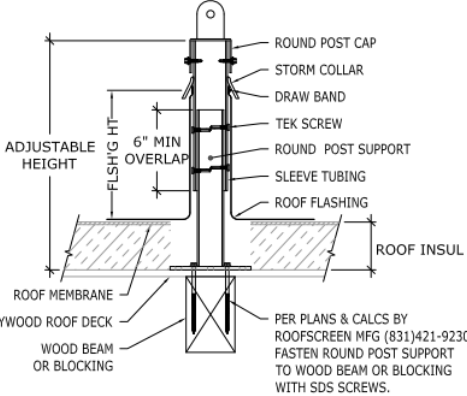
PRINT DATE: 11/10/2016

REV. DATE: 11/10/2016

SCALE: NTS




EXPLODED VIEW



PLYWOOD OVER WOOD FRAMING
SDS SCREW ATTACH - WITH INSULATION




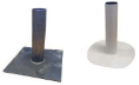
PRODUCT DATA SHEET



SILVERBACK SOLAR


RoofScreen Round Post Attachment System
Updated 9.23.22

www.roofscreen.com

| Components | |
|--|---|
| Post Cap Slip-On: Formed from AISI Type 304 stainless steel with mill finish. |  |
| Round Post Support: Tube: Carbon steel 40ksi to 55ksi (ASTM A500) . Height: 12". Base Plate: Steel (ASTM A36). Note: Typical dimensions are illustrated in this sketch. Custom dimensions are provided as necessary to meet project requirements. |  <div></div> |
| Adjustable Sleeve: Material: 2.5" O.D. 11ga steel (ASTM 500) Finish: Special triple coat galvanized coating Length: Unlimited – cut to fit. |  |
| Round Flashings: RoofScreen Mfg. can supply the appropriate flashing or they may be sourced elsewhere. Flashings available from RoofScreen are 12" tall and can be supplied in TPO, 4lb Lead or PVC. |  |

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PRODUCT DATA SHEET



SILVERBACK SOLAR

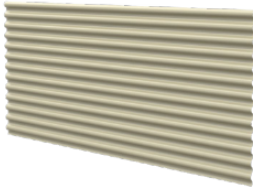
Corrugated Panel
Updated 11.09.2022


www.roofscreen.com

Corrugated Panel

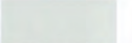
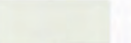
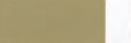
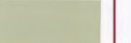
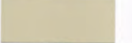
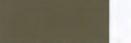
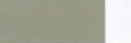
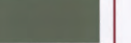
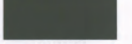
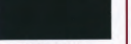
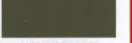
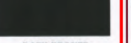
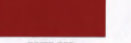
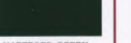

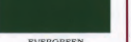
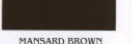
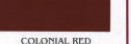
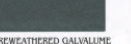
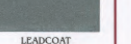


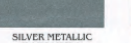
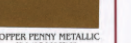
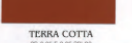
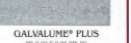
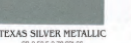
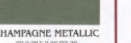
Due to its shallow profile, the Corrugated Panel has limited spanning capabilities, but is an excellent and economical choice for horizontal and vertical applications where the supports are closer together.

- Material: 24ga steel standard. Other gauges may be available. Available in perforated aluminum.
- Length: Up to 30'. Extra charges may apply for lengths shorter than 4'.
- Attachment: Exposed fasteners, color matched to panel.
- Finish: Factory applied Kynar.
- Colors: Choose from standard color chart.
- Warranty: 20 years.
- Installation: Orient vertically or horizontally. Color matched exposed fasteners.






347 Coral Street
Santa Cruz, CA 95060
Ph: 831-421-9230
Toll Free Ph: 866-766-3727
www.roofscreen.com

| Standard Colors | | | |
|--|---|---|--|
|  <div>REGAL WHITE SR 0.88 E 0.85 SRI 92</div> |  <div>BONE WHITE SR 0.77 E 0.85 SRI 90</div> |  <div>SURREY BEIGE SR 0.42 E 0.85 SRI 43</div> |  <div>SANDSTONE SR 0.54 E 0.85 SRI 63</div> |
|  <div>ALMOND SR 0.60 E 0.84 SRI 70</div> |  <div>BUCKSKIN SR 0.38 E 0.85 SRI 41</div> |  <div>ASH GRAY SR 0.30 E 0.84 SRI 41</div> |  <div>SLATE GRAY SR 0.43 E 0.85 SRI 47</div> |
|  <div>CHARCOAL SR 0.32 E 0.85 SRI 32</div> |  <div>MATTE BLACK SR 0.27 E 0.85 SRI 20</div> | Deep Tone Premium Colors Additional cost will apply. | |
|  <div>MEDIUM BRONZE SR 0.30 E 0.87 SRI 31</div> |  <div>DARK BRONZE SR 0.28 E 0.84 SRI 29</div> |  <div>BRITE RED SR 0.42 E 0.84 SRI 45</div> |  <div>HARTFORD GREEN SR 0.23 E 0.85 SRI 23</div> |
|  <div>PATINA GREEN SR 0.46 E 0.85 SRI 45</div> |  <div>EVERGREEN SR 0.35 E 0.84 SRI 35</div> | Metallic Colors Additional cost will apply. | |
|  <div>MANSARD BROWN SR 0.46 E 0.85 SRI 45</div> |  <div>COLONIAL RED SR 0.33 E 0.85 SRI 34</div> |  <div>PREWEATHERED GALVALUME SR 0.30 E 0.79 SRI 27</div> |  <div>LEADCOAT SR 0.37 E 0.85 SRI 38</div> |
|  <div>ROMAN BLUE SR 0.25 E 0.85 SRI 24</div> |  <div>PATRICIAN BRONZE SR 0.27 E 0.85 SRI 26</div> |  <div>SILVER METALLIC SR 0.27 E 0.79 SRI 24</div> |  <div>COPPER PENNY METALLIC SR 0.49 E 0.85 SRI 50</div> |
|  <div>TERRA COTTA SR 0.25 E 0.85 SRI 26</div> |  <div>GALVALUME® PLUS SR 0.49 E 0.25 SRI 40</div> |  <div>TEXAS SILVER METALLIC SR 0.58 E 0.79 SRI 66</div> |  <div>CHAMPAGNE METALLIC SR 0.38 E 0.80 SRI 38</div> |

SR = Solar Reflectance Value E = Thermal Emittance Value SRI = Solar Reflectance Index

PRODUCT DATA SHEET



SILVERBACK SOLAR

RoofScreen Round Post Attachment System
Updated 9.23.22

www.roofscreen.com

Round Post Roof Attachment System

Description:

RoofScreen's Round Post Roof Attachment System provides a watertight structural mounting point for multiple uses on commercial rooftops. It is designed primarily for equipment screen walls however, it is also useful for any kind of framing or equipment mounted to a roof. The system features a telescoping sleeve to allow height adjustment, accommodating any insulation thickness.


Application:

This attachment system is designed for commercial roof structures and is suitable for mounting equipment screens, equipment platforms, roof walkways and crossovers, solar arrays or any other type of rooftop structure that needs to be heavy-duty and watertight. The Post Supports are fastened to the roof structural members through pre-punched holes in the plate using lag screws, self-drilling tek screws, concrete anchors or through-bolts.

Standard roof pipe flashings are used for waterproofing, using the industry-standard caulk and band method of sealing the flashing to the post. Caulking is applied between the flashing and the steel tube, then clamped with the worm drive draw band. Caulking is applied around the top of the flashing for added protection. To protect the caulking from weather, a tight-fitting EPDM rubber storm collar is fitted over the steel tube above the clamped connection.

1

PRODUCT DATA SHEET







SILVERBACK SOLAR

RoofScreen Round Post Attachment System
Updated 9.23.22

www.roofscreen.com

Components

| | |
|--|---|
| Storm Collar: RoofScreen Mfg. can supply the flexible storm collars or they may be sourced elsewhere. Storm Collars available from RoofScreen are EPDM material. |  |
| Draw Band: RoofScreen Mfg. can supply the draw bands or they may be sourced elsewhere. Draw Bands available from RoofScreen are Stainless Steel. |  |
| Tek3 SDS Pan Head Screw: Used for fastening Tube Sleeves to Post Supports. Length: 1 1/4" Screw Size: #12-24 Material: Carbon steel with premium coating. Head: .10" thick pan – square drive. |  |
| Tek3 SDS with Sealing Washer: Used for fastening the Slip On Round Post Cap to 2.5" tubing. Length: 1" Screw Size: #12-14 Material: Carbon steel with premium coating. Head: 5/16" HWH. |  |

Installation:

Post Supports should be mounted directly to the structural members in the roof framing. To prevent condensation, the inside of the Post Supports should be filled with unfaced batt insulation. If a thermal barrier is required at the roof connection, a layer of self-adhering ice and water shield material should be applied under the Post Supports. Spacing between posts, fastener quantity and fastener type will be specified in the project engineering calculations.

The next step is to install the Sleeve Tube and fasten it to the Post Support at the desired height. Flashings should be installed next and integrated into the roofing system by a professional roofing contractor. The flashings should also be sealed to the Sleeve Tube with caulking. Draw Band and Storm Collar. Finally, the Slip-On Caps are installed and fastened to the tube using Tek3 screws with sealing washers to finish the assembly.

Warranty:

When RoofScreen provides project design and engineering calculations, a 20 year limited warranty is included.

3

1512 Southwood Ave Reno • project

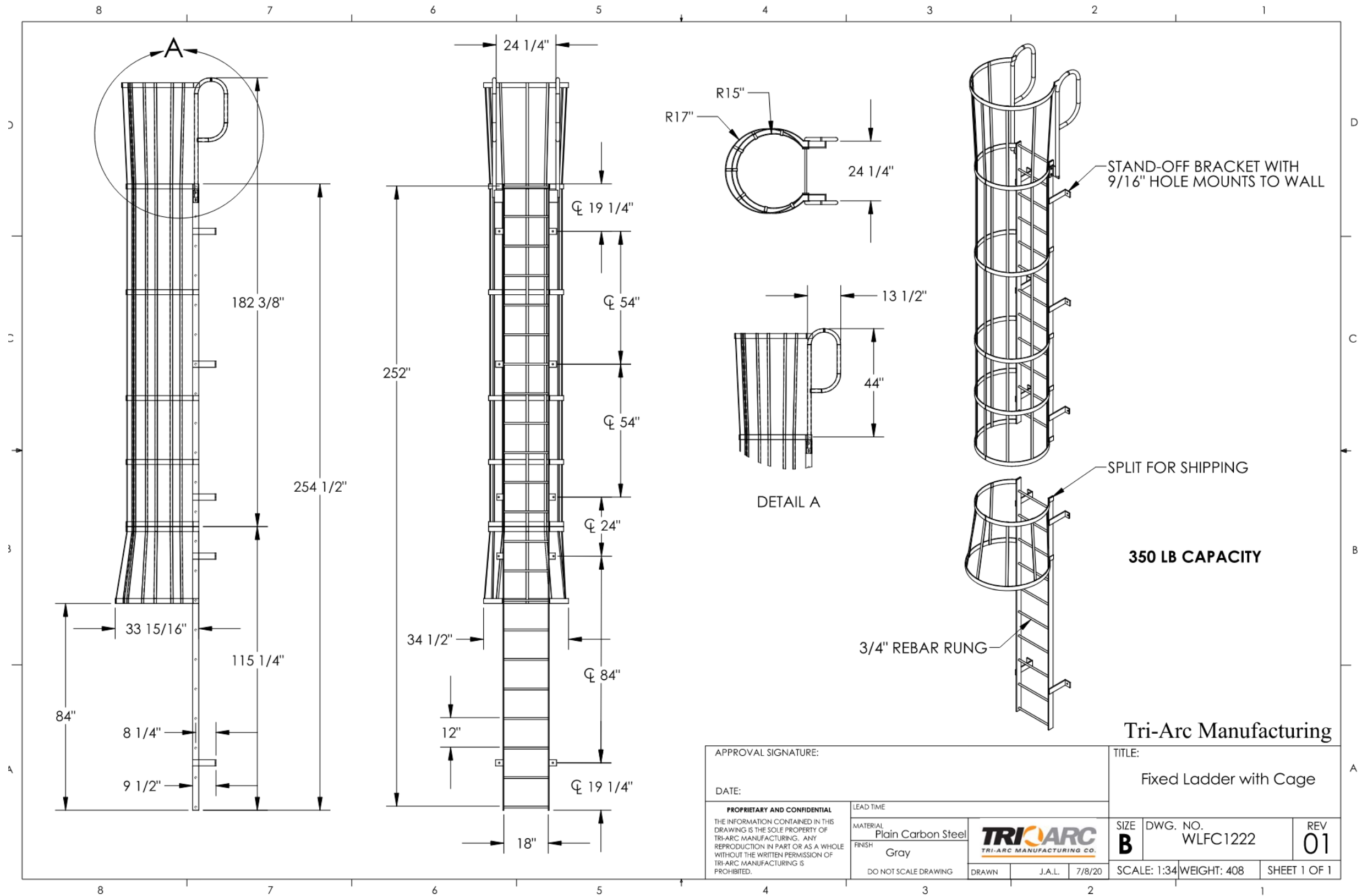
1512 Southwood Ave
Charlotte, NC 28203 • location

A4.8 MECHANICAL • plan
SCREEN DETAILS

10/05/2022 • date

rba.

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1512 Southwood Ave Reno • project

1512 Southwood Ave
Charlotte, NC 28203 • location

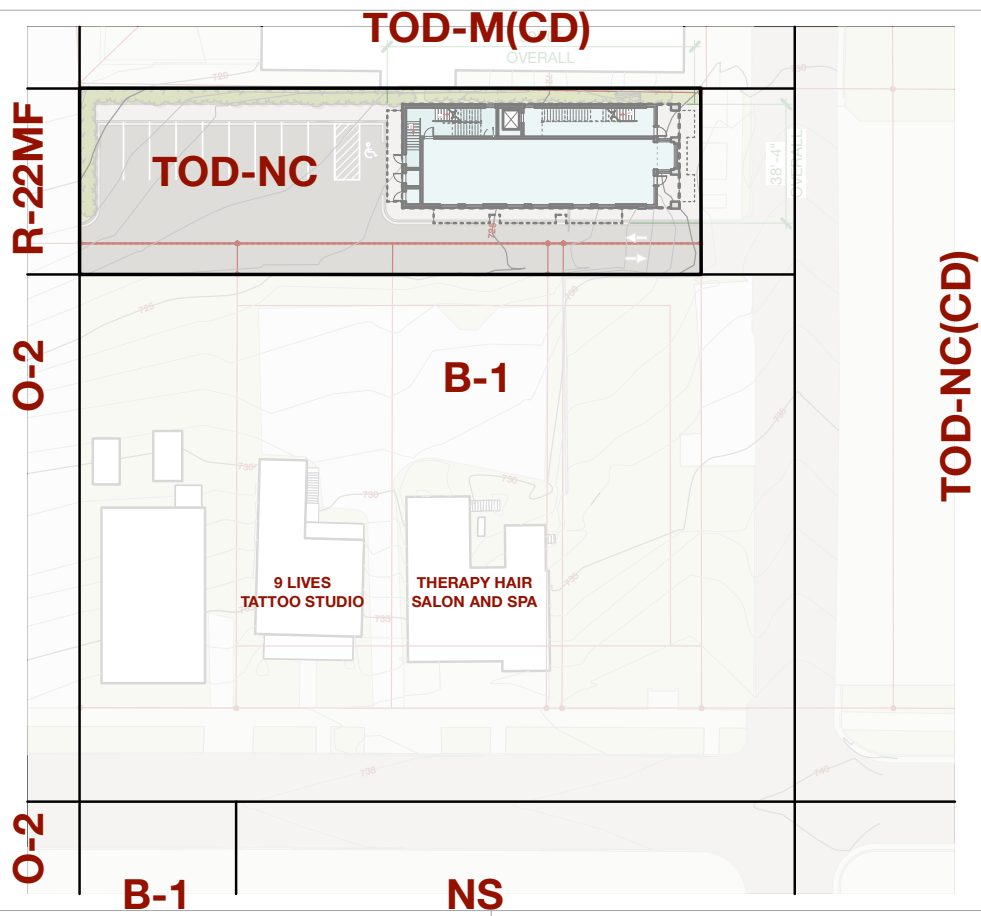
A4.9 ROOF LADDER SPEC • plan

10/05/2022 • date



1. 1913 Cleveland Av (PID: 12105619)
HDCCMA-[2022-00954](#)
Dilworth
Jennifer Rea, Applicant

Cleveland Ave.

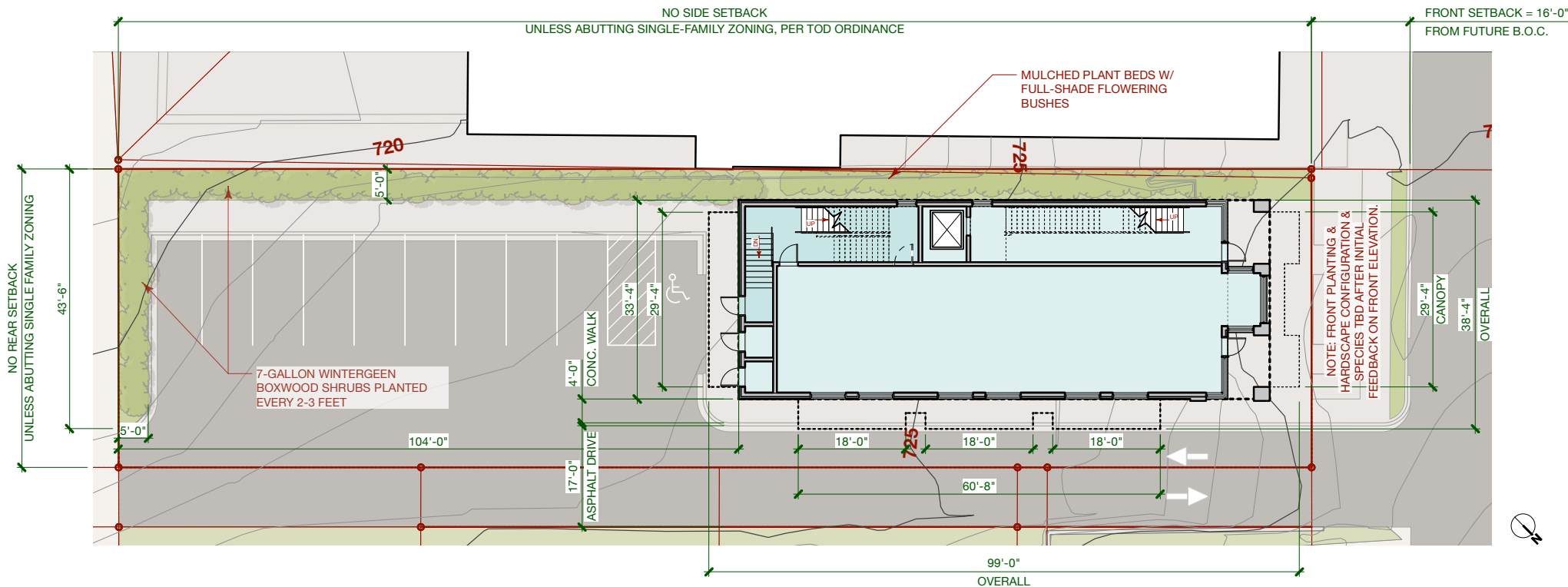


Cluck
Cluck Design
1530 Elizabeth Avenue
Suite 200
Charlotte, NC 28204
704 405 5980
cluckdesign.com

1913 Cleveland Ave.
Charlotte, NC 28203
—
Project #: 22_137
Date: 01.17.2023

Site Plan
Scale: 1" = 40'-0"

Cleveland Ave.



Cluck Design
1530 Elizabeth Avenue
Suite 200
Charlotte, NC 28204

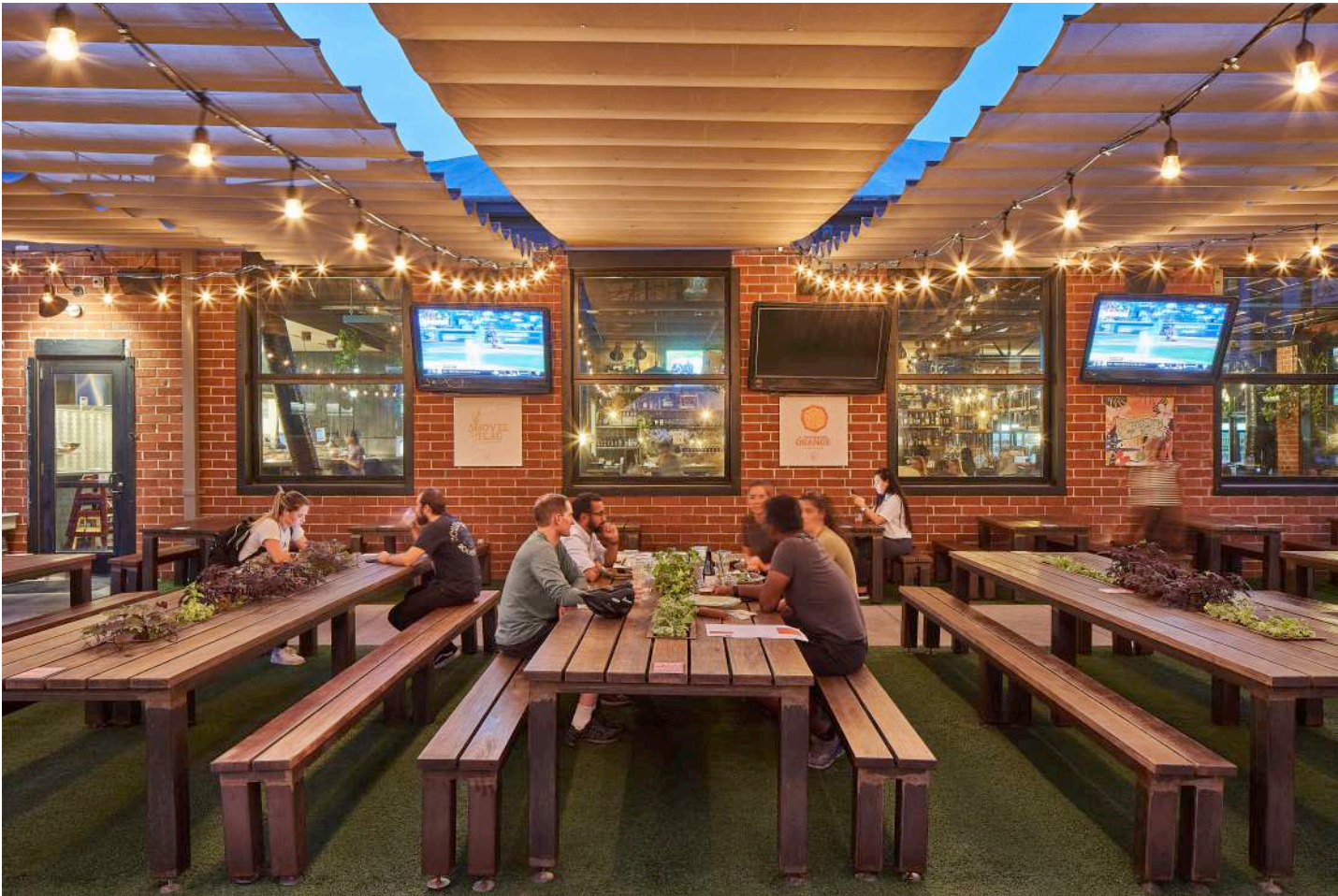
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1913 Cleveland Ave.
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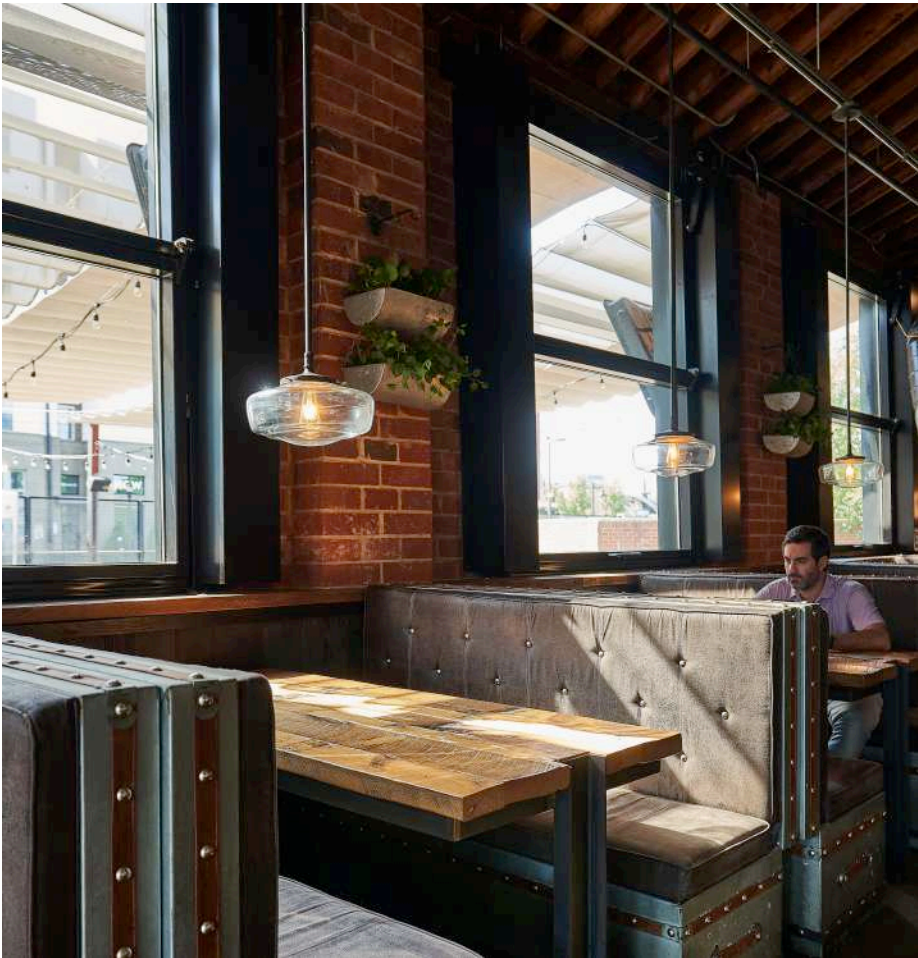
Site Plan, Dimensioned
Scale: 1/16" = 1'-0"

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Cleveland Ave.



Suffolk Punch, Charlotte NC



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—
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Renlita, Examples & Details
Hangar-Style Windows

Cleveland Ave.



Kansas MO
Double Hung w/ Bronze Exterior Cladding



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Windsor, Examples & Details
Typ. Double-Hung Windows

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Cleveland Ave.



Oscar Wilde, New York NY
NYC Historic Storefront Design



Hand & Land, Leawood KS
Tile Below Storefront



The Harrison, San Francisco CA
Entrance Canopy

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Charlotte, NC 28203
—
Project #: 22_137
Date: 01.17.2023

EFCO, Examples & Details
Storefront

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Cleveland Ave.



235 Clinton Street, Brooklyn NY



1001 N. Calvert Street, Baltimore MD



Boston MA

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Suite 200
Charlotte, NC 28204

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1913 Cleveland Ave.
Charlotte, NC 28203

—
Project #: 22_137
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Precedent Images
Side Elevation Bay Windows