

**AGENDA
BOARD OF BUILDING STANDARDS/
ARCHITECTURAL BOARD OF REVIEW/SIGN REVIEW**

**PRE-REVIEW MEETING
CITY OF LAKEWOOD
12650 DETROIT AVENUE
EAST CONFERENCE ROOM
MARCH 7, 2024
4:00 P.M.**

**REVIEW MEETING
CITY OF LAKEWOOD
12650 DETROIT AVENUE
AUDITORIUM
MARCH 14, 2024
5:30 P.M.**

1. ROLL CALL
2. APPROVE THE MINUTES OF THE FEBRUARY 8, 2024 MEETING
3. OPENING REMARKS

NEW BUSINESS

ARCHITECTURAL BOARD OF REVIEW

4. Docket No. 03-12-24 (R) 17829 Lake Rd.
- () Approve Daniel Margulies
() Deny Daniel Margulies Co. Inc.
() Defer 14204 Detroit Ave.
Lakewood, OH 44107

Applicant proposes rebuild of side porch and second floor addition. (Page 4)

5. Docket No. 03-13-24 (R) 17428 Edgewater Dr.
- () Approve Alexander Kolbe
() Deny evoDOMUS LLC
() Defer 2176 S. Taylor Rd.
Cleveland Heights, OH 44118

Applicant proposes demolition of a home and a new home construction. (Page 11)

6. Docket No. 03-14-24 (R) 1026 Wilbert Rd.
- () Approve Jill Brandt
() Deny Brandt Architecture
() Defer 19440 Riverwood Ave.

Rocky River, OH 44116

Applicant proposes a one-floor addition on the south side of the home. (Page 24)

- 7. Docket No. 03-15-24 (R) 1048 Summit Ave.**
- Approve
 Deny
 Defer
- Jill Brandt
Brandt Architecture
19440 Riverwood Ave.
Rocky River, OH 44116

Applicant proposes the renovation and addition on rear of a home. (Page 33)

- 8. Docket No. 03-16-24 (C) 12102 Madison Ave.
Hola Tacos**
- Approve
 Deny
 Defer
- Ryan Kauffman
Kauffman Lawn Furniture
4574 US-62
Millersburg, OH 44654

Applicant proposes an approximately 2,000 sq. ft. awning addition to the existing building. (Page 43)

- 9. Docket No. 03-17-24 (C) 18228 Sloane Ave.
HELP Foundation, Inc.**
- Approve
 Deny
 Defer
- Eric Schneider
Fogel/Stenzel Architects Inc.
P.O. Box 202587
Cleveland, OH 44120

Applicant proposes the remodeling and addition to an existing Vocational Training Center. (Page 65)

SIGN REVIEW

- 10. Docket No. 03-18-24 1548 W. 117th St.
Inn the Doghouse**
- Approve
 Deny
 Defer
- Steven Foster
The Sign and Graphics Firm
14837 Detroit Ave., Suite 195
Lakewood, OH 44107

Applicant proposes two flat wall signs, one on each side of building. (Page 146)

- 11. Docket No. 03-19-24 15729 Madison Ave.
QUA Wine Shop**
- Approve
 Deny
 Defer
- Shawn Warren
Erie Design Co. Inc.
16504 Detroit Ave.

Lakewood, OH 44107

Applicant proposes vinyl window graphics and non-illuminated projecting sign. (Page 149)

12. Docket No. 03-20-24

**16502 Detroit Ave.
Neon Rogue Toys**

- Approve
- Deny
- Defer

Shawn Warren
Erie Design Co. Inc.
16504 Detroit Ave.
Lakewood, OH 44107

Applicant proposes illuminated letters in the sign band. (Page 155)

13. Docket No. 03-21-24

**15000 Madison Ave.
NextHome Experts**

- Approve
- Deny
- Defer

Laura Higgins-Woyma
Brilliant Electric Sign Co.
4811 Van Epps Rd.
Cleveland, OH 44131

Applicant proposes wall signs, projecting sign, and monument sign. (Page 161)

ADJOURN

"Individuals with disabilities who require accommodations for participation in meetings must request accommodations at least 3 business days ahead of the scheduled meeting. Contact Michelle Nochta at (216) 529-5906 michelle.nochta@lakewoodoh.gov."



**BOARD OF BUILDING STANDARDS
ARCHITECTURAL REVIEW BOARD
SIGN REVIEW BOARD**

12650 Detroit Avenue • (216) 529-6630 • FAX (216) 529-5907 • www.lakewoodoh.gov

Application Cover Page

Docket No.: 03-12-24

Permit No.: BBS24-000014

Applicant Name: Daniel Margulies, Daniel Margulies Co. Inc.

Project Address: 17829 Lake Rd.

Project Name: n/a

Project: Applicant proposes rebuild of side porch and second floor addition.

Daniel Margulies

From: Jim Ramella <JimR@ClevelandMenu.com>
Sent: Friday, January 26, 2024 1:15 PM
To: Daniel Margulies
Subject: Ramella - 17829 Lake Rd. Lakewood, OH 44107

Hi Dan – I am granting permission for the Lakewood architectural board members to come on the property and review whatever they need.

Thanks,
Jim

Jim Ramella
Cleveland Menu
1441 E. 17th Street
Cleveland, OH 44114
Office: 216-241-5256
Cell: 440-292-7187
jimr@clevelandmenu.com



REV.
02.24.24: FINAL
REVISIONS FOR ARB

DESIGN: DANIEL MARGULIES COMPANY INC.
1210 CHASE AVENUE
LAKEWOOD, OHIO 44107
TEL: 440.356.0888
EMAIL: damel@dmc.ohioemail.com



PORCH REBUILD with 2nd FLOOR
MASTER BEDROOM EXPANSION for:
THE RAMELLA RESIDENCE
17829 LAKE ROAD LAKEWOOD, OHIO

ISSUE DATE:
01.26.24: PORCH
PRELIM. 3 FOR ARB

SHEET NO.
1

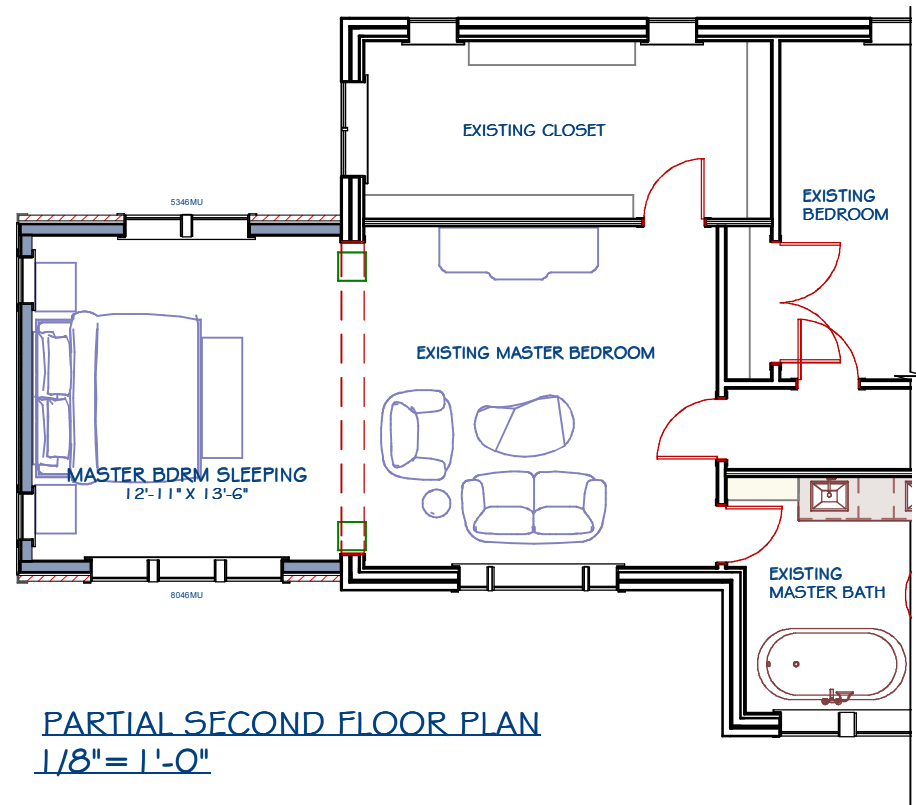
NOTE: NO SITE PLAN IS PROVIDED AS THE PROJECT IS TO BE CONSTRUCTED ON EXISTING FOUNDATION WITH NO FURTHER ENCROACHMENT ON FRONT, SIDE, OR REAR YARDS.

PORCH REBUILD with 2nd FLOOR
MASTER BEDROOM EXPANSION for:

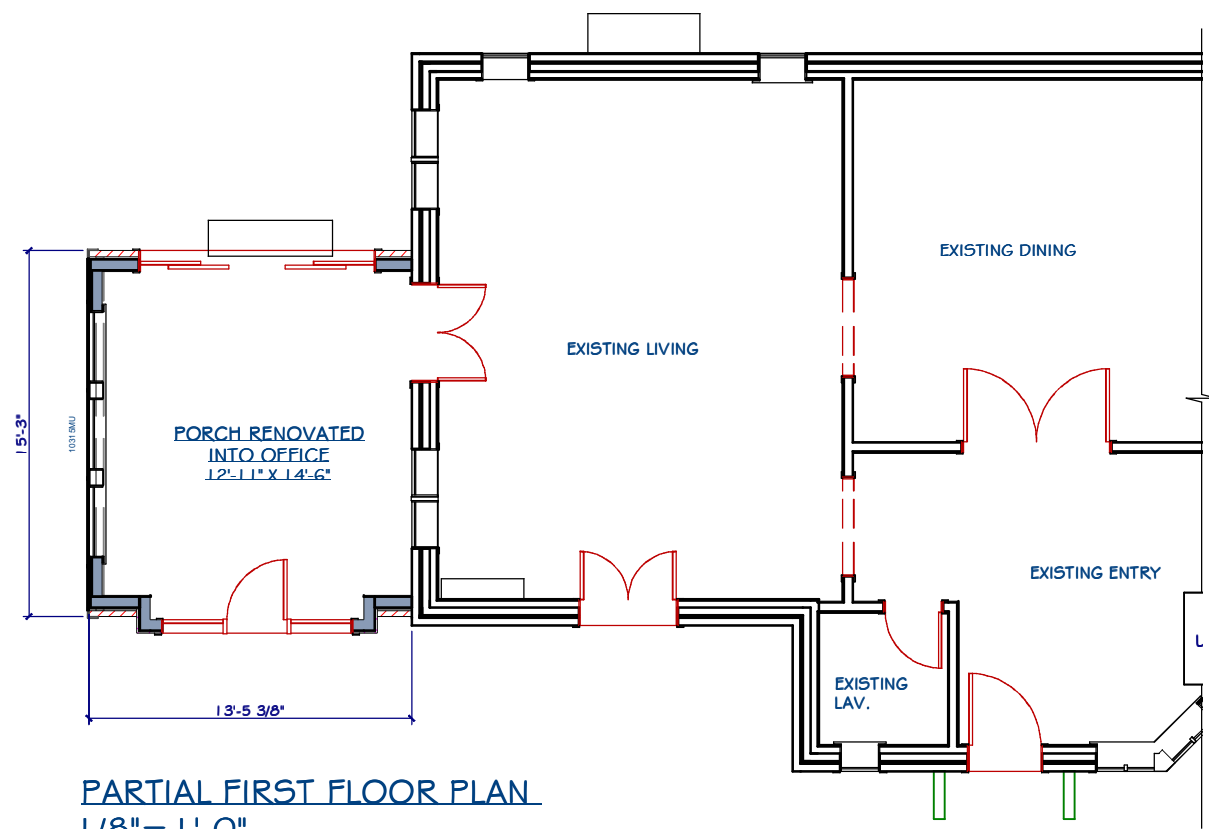
THE RAMELLA RESIDENCE

17829 LAKE ROAD LAKEWOOD, OHIO

<i>DRAWING INDEX</i>	
#	DESCRIPTION
1	COVER SHEET • DRAWING INDEX
2	PARTIAL FIRST and SECOND FLOOR PLANS
3	NORTH, PARTIAL EAST and SOUTH EXTERIOR ELEVATIONS
4	EXTERIOR PERSPECTIVES
5	EXISTING CONDITIONS PHOTOGRAPHS



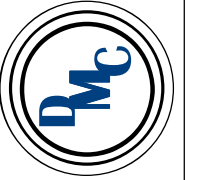
PARTIAL SECOND FLOOR PLAN
 1/8" = 1'-0"



PARTIAL FIRST FLOOR PLAN
 1/8" = 1'-0"

REV.
 02.24.24: FINAL
 REVISIONS FOR ARB

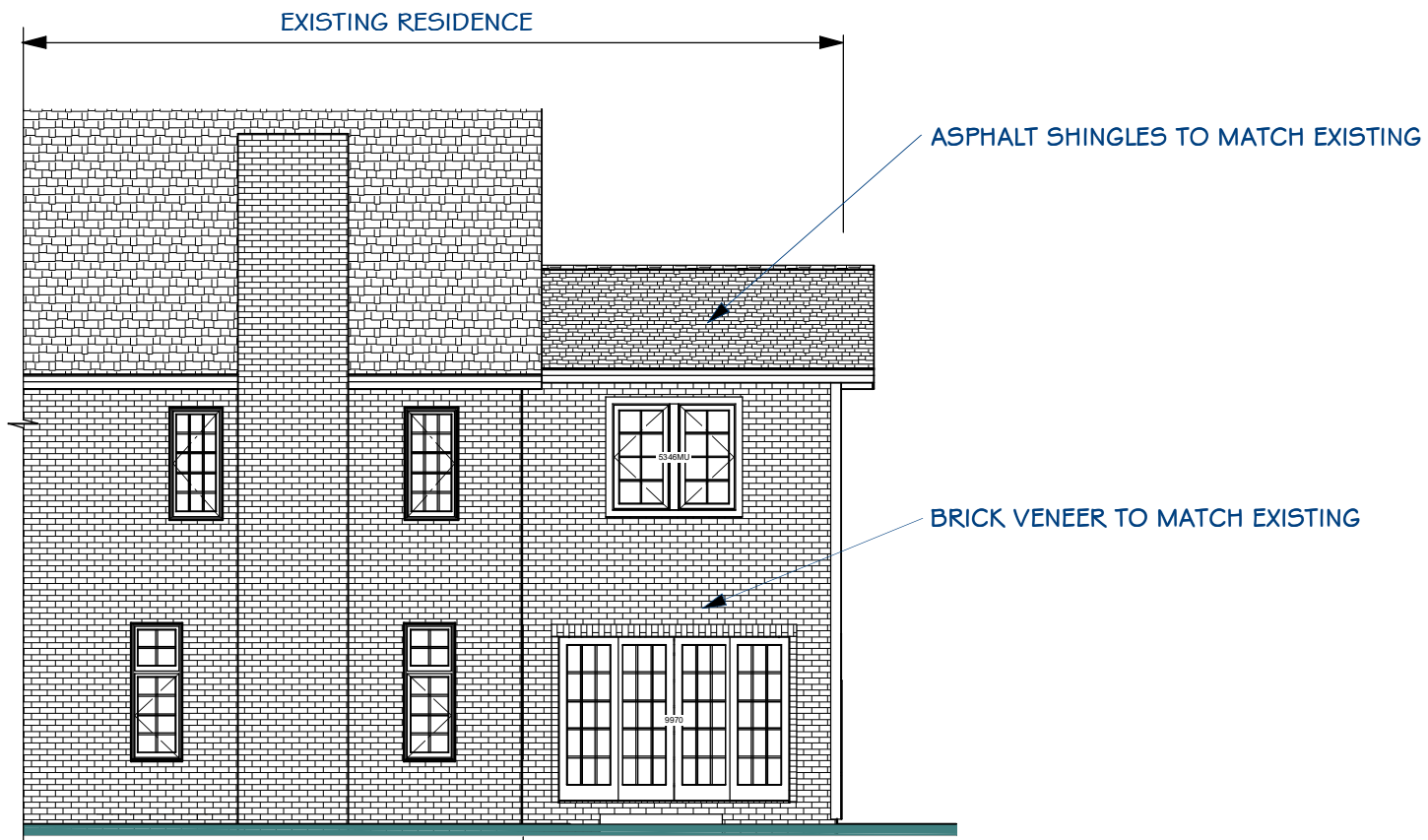
DESIGN: DANIEL MARGULIES COMPANY INC.
 1210 CHASE AVENUE
 LAKEWOOD, OHIO 44107
 TEL: 440.356.0888
 EMAIL: daniel@dmc.ohioemail.com



PORCH REBUILD with 2nd FLOOR
 MASTER BEDROOM EXPANSION for:
THE RAMELLA RESIDENCE
 17829 LAKE ROAD LAKEWOOD, OHIO

ISSUE DATE:
 01.26.24: PORCH
 PRELIM. 3 FOR ARB

SHEET NO.
2



PROPOSED 2 STORY RENOVATION

ASPHALT SHINGLES TO MATCH EXISTING

BRICK VENEER TO MATCH EXISTING

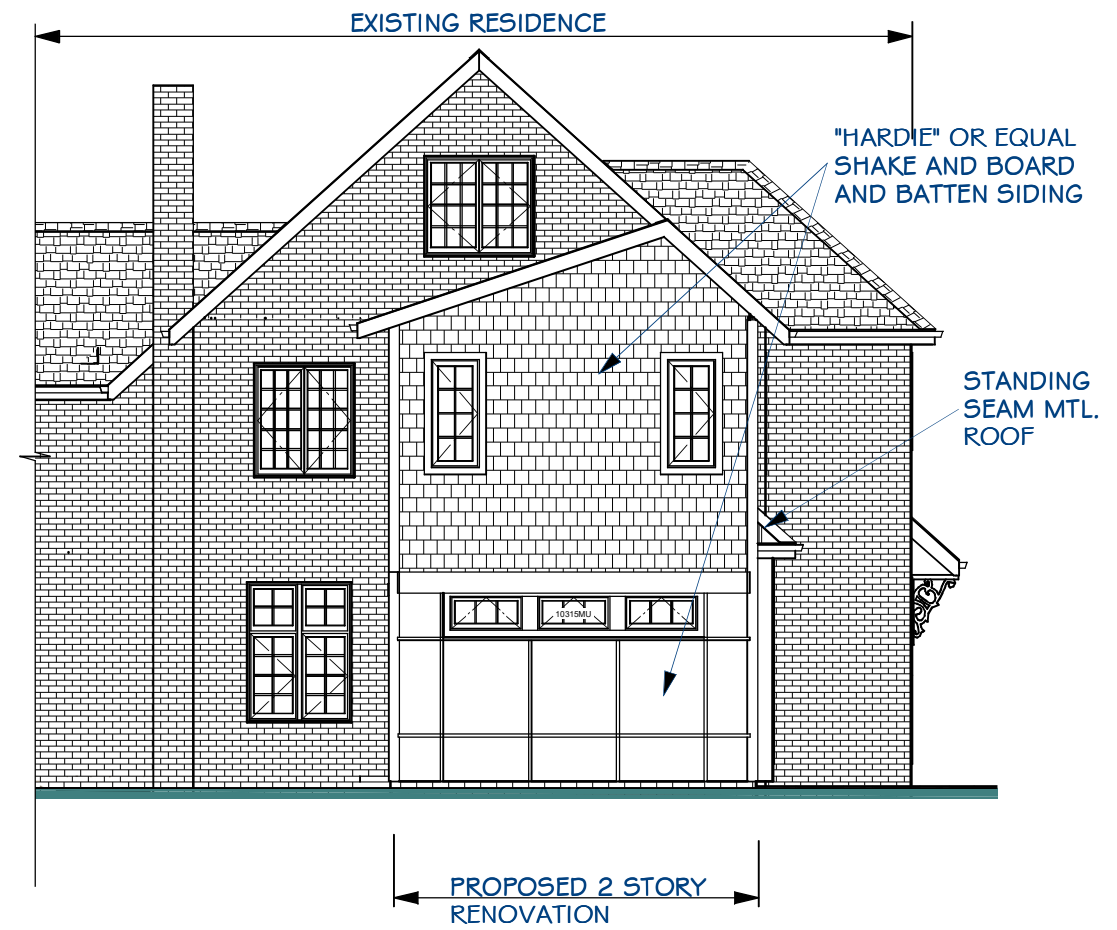
STANDING SEAM MTL. ROOF



NORTH ELEVATION
1/8" = 1'-0"

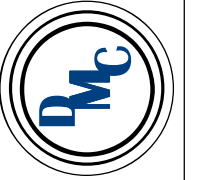
PROPOSED 2 STORY RENOVATION

EXISTING RESIDENCE



REV.
02.24.24: FINAL REVISIONS FOR ARB

DESIGN: DANIEL MARGULIES COMPANY INC.
1210 CHASE AVENUE
LAKEWOOD, OHIO 44107
TEL: 440.356.0888
EMAIL: damel@dmc.ohioonline.com



PORCH REBUILD with 2nd FLOOR
MASTER BEDROOM EXPANSION for:
THE RAMELLA RESIDENCE
17829 LAKE ROAD LAKEWOOD, OHIO

ISSUE DATE:
01.26.24: PORCH PRELIM. 3 FOR ARB

SHEET NO.
3



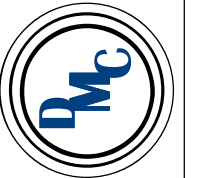
PERSPECTIVE VIEWING NORTHWEST
N.T.S.



PERSPECTIVE VIEWING SOUTHWEST
N.T.S.

REV.
02.24.24: FINAL
REVISIONS FOR ARB

DESIGN: DANIEL MARGULIES COMPANY INC.
1210 CHASE AVENUE
LAKEWOOD, OHIO 44107
TEL: 440.356.0888
EMAIL: damel@dmc.ohioemail.com



PORCH REBUILD with 2nd FLOOR
MASTER BEDROOM EXPANSION for:
THE RAMELLA RESIDENCE
17829 LAKE ROAD LAKEWOOD, OHIO

ISSUE DATE:
01.26.24: PORCH
PRELIM. 3 FOR ARB

SHEET NO.
4



EXISTING PHOTO VIEWING WEST



EXISTING PHOTO VIEWING SOUTHWEST



EXISTING PHOTO VIEWING NORTHWEST



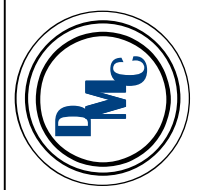
EXISTING PHOTO VIEWING SOUTH



EXISTING PHOTO VIEWING SOUTH

REV.
02.24.24: FINAL
REVISIONS FOR ARB

DESIGN: DANIEL MARGULIES COMPANY INC.
1210 CHASE AVENUE
LAKEWOOD, OHIO 44107
TEL: 440.356.0888
EMAIL: damel@dmc.ohioemail.com



PORCH REBUILD with 2nd FLOOR
MASTER BEDROOM EXPANSION for:
THE RAMELLA RESIDENCE
17829 LAKE ROAD LAKEWOOD, OHIO

ISSUE DATE:
01.26.24: PORCH
PRELIM. 3 FOR ARB

SHEET NO.
4



**BOARD OF BUILDING STANDARDS
ARCHITECTURAL REVIEW BOARD
SIGN REVIEW BOARD**

12650 Detroit Avenue • (216) 529-6630 • FAX (216) 529-5907 • www.lakewoodoh.gov

Application Cover Page

Docket No.: 03-13-24

Permit No.: BBS24-000016

Applicant Name: Alexander Kolbe, evoDOMUS LLC.

Project Address: 17428 Edgewater Dr.

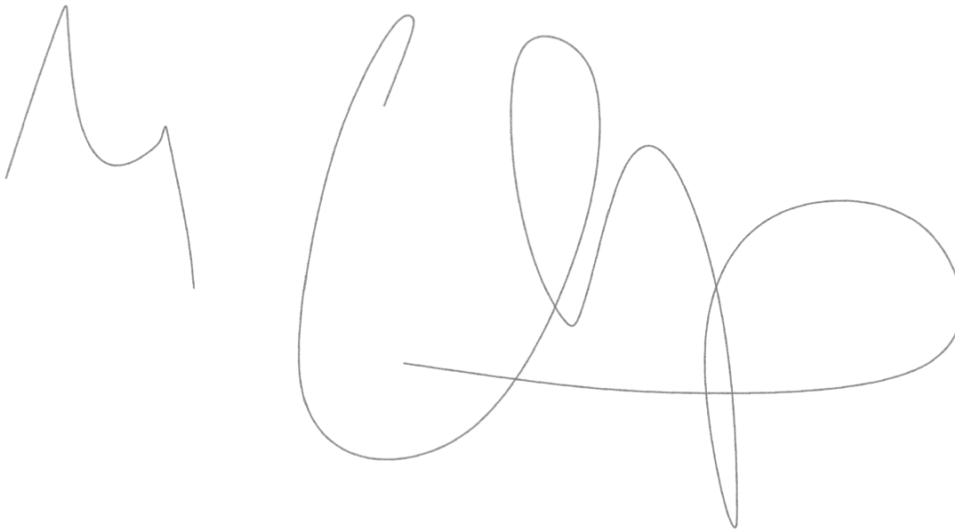
Project Name: n/a

Project: Applicant proposes demolition of a home and a new home construction.

I agree that Lakewood Planning and Zoning can enter my property

Nathan Chavez
17428 Edgewater Dr

2-21-24

A handwritten signature in black ink, consisting of a stylized first name followed by a last name with a large, sweeping flourish.

Introduction - New Home at 17428 Edgewater Drive

This project is a replacement for an existing, two-story, mid-century modern home in poor condition and with little architectural merit. The new home is a 4 bedroom single-family design with 4.5 bathrooms.

This home is designed per passive house standards which means it is optimized for minimal energy requirements. The thermal envelope consists of super insulated walls and roofs, triple-glazed windows, high-efficiency heat pump technology and an energy recovery ventilation system (ERV), providing a comfortable and healthy indoor climate.

The design is modern but modest in its appearance. Gray high-performance stucco (EIFS), stone accents and wood create a visually pleasing and coherent aesthetic.

A large photovoltaic system is installed on the flat roof, concealed from the street view by the parapet walls.



Concealed solar panels

The new building is located well within the setback limitations with more than 15 feet from the eastern property line and over 28 feet from the western line. This is a huge improvement over the current situation, providing more privacy for the new home and the adjacent neighbors. The existing building outline is shown as a dotted red line on the site overview, page 03.2.

The new structure will be located significantly further back from the bluff, 94'/85' compared to the current 48'.

This project is intended to be a milestone in energy efficient and sustainable design.



evoDOMUS LLC

2176 S Taylor Road
Cleveland Heights, OH 44118
Phone: +1(216) 772-2603

www.evodomus.com

Print Date: 2/20/24

Design History:

Edit: Date: Changes:

Edit	Date	Changes

Client:
Nathan Chavez
17428 Edgewater Drive
Lakewood OH

Drawing:
Project Brief

Scale:

Issue Date:
02/20/2024

Phase:
ABR Review

Sheet Number:
03.2

Sheet Size:
11" x 17"

Project Name:
Chavez Residence
17428 Edgewater Drive Lakewood OH

Project Number:
CHZ



Proposed single family home



evoDOMUS LLC

2176 S Taylor Road
Cleveland Heights, OH 44118
Phone: +1(216) 772-2603

www.evodomus.com

Print Date: 2/20/24

Design History:

Edit: Date: Changes:

Edit	Date	Changes

Client:
Nathan Chavez
17428 Edgewater Drive
Lakewood OH

Drawing:
Proposed single family home
Scale:

Issue Date:
02/20/2024

Phase:
ABR Review

Sheet Number:
03.1

Sheet Size:
11" x 17"

Project Name:
Chavez Residence
17428 Edgewater Drive Lakewood OH

Project Number:
CHZ



evodomus LLC

2176 S Taylor Road
Cleveland Heights, OH 44118
Phone: +1(216) 772-2603

www.evodomus.com

Print Date: 2/20/24

Design History:

Edit: Date: Changes:

Edit	Date	Changes

Client:
Nathan Chavez
17428 Edgewater Drive
Lakewood OH

Drawing:
The New Home

Scale:

Issue Date:
02/20/2024

Phase:
ABR Review

Sheet Number:
03.6

Sheet Size:
11" x 17"

Project Name:
Chavez Residence
17428 Edgewater Drive Lakewood OH

Project Number:
CHZ



View from Edgewater Drive



View from Forecourt



Rear of building, facing the lake



Rear of building, facing the lake



N and W Elevations

<p>evoDOMUS LLC 2176 S Taylor Road Cleveland Heights, OH 44118 Phone: +1(216) 772-2603</p>	
<p>Owner: Nathan Chavez 17428 Edgewater Drive Lakewood OH</p>	<p>Project Name: Chavez Residence 17428 Edgewater Drive Lakewood OH</p>
<p>Drawing: N and W Elevations Scale:</p>	
<p>Issue Date: 02/20/2024</p>	<p>Phase: ABR Review</p>
<p>Sheet Number: B-01</p>	
<p>Sheet Size: 11" x 17"</p>	<p>Project Number: CHZ</p>

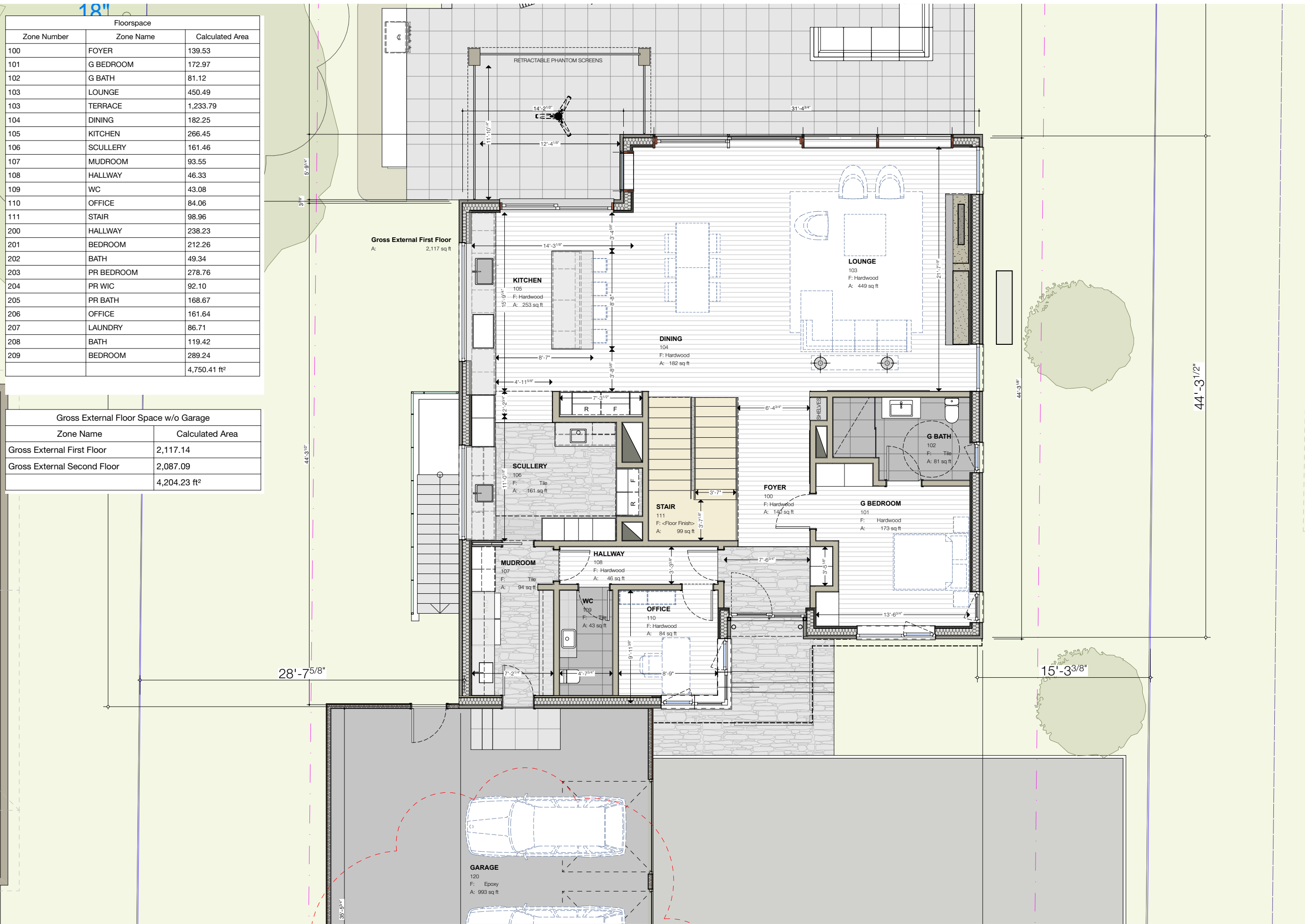


S and E Elevations

<p>evoDOMUS LLC 2176 S Taylor Road Cleveland Heights, OH 44118 Phone: +1(216) 772-2603</p>	
<p>Owner: Nathan Chavez 17428 Edgewater Drive Lakewood OH</p>	<p>Chavez Residence 17428 Edgewater Drive Lakewood OH</p>
<p>Drawing: S and E Elevations</p>	
<p>Scale: 1/8" = 1'-0"</p>	
<p>Issue Date: 02/20/2024</p>	
<p>Phase: ABR Review</p>	<p>CHZ</p>
<p>Sheet Number: B-02</p>	
<p>Sheet Size: 11" x 17"</p>	

Floorspace		
Zone Number	Zone Name	Calculated Area
100	FOYER	139.53
101	G BEDROOM	172.97
102	G BATH	81.12
103	LOUNGE	450.49
103	TERRACE	1,233.79
104	DINING	182.25
105	KITCHEN	266.45
106	SCULLERY	161.46
107	MUDROOM	93.55
108	HALLWAY	46.33
109	WC	43.08
110	OFFICE	84.06
111	STAIR	98.96
200	HALLWAY	238.23
201	BEDROOM	212.26
202	BATH	49.34
203	PR BEDROOM	278.76
204	PR WIC	92.10
205	PR BATH	168.67
206	OFFICE	161.64
207	LAUNDRY	86.71
208	BATH	119.42
209	BEDROOM	289.24
		4,750.41 ft ²

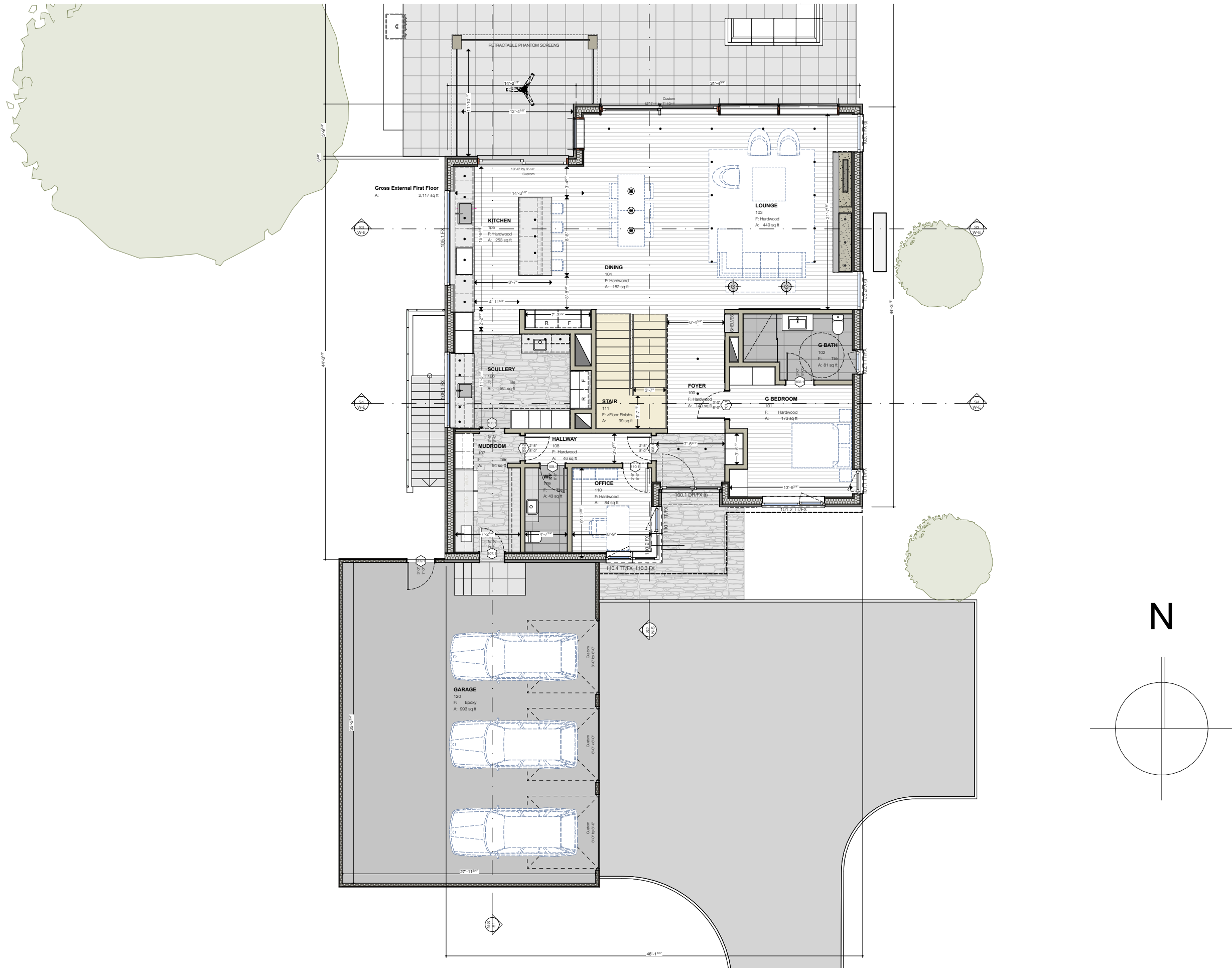
Gross External Floor Space w/o Garage	
Zone Name	Calculated Area
Gross External First Floor	2,117.14
Gross External Second Floor	2,087.09
4,204.23 ft ²	



First Floor

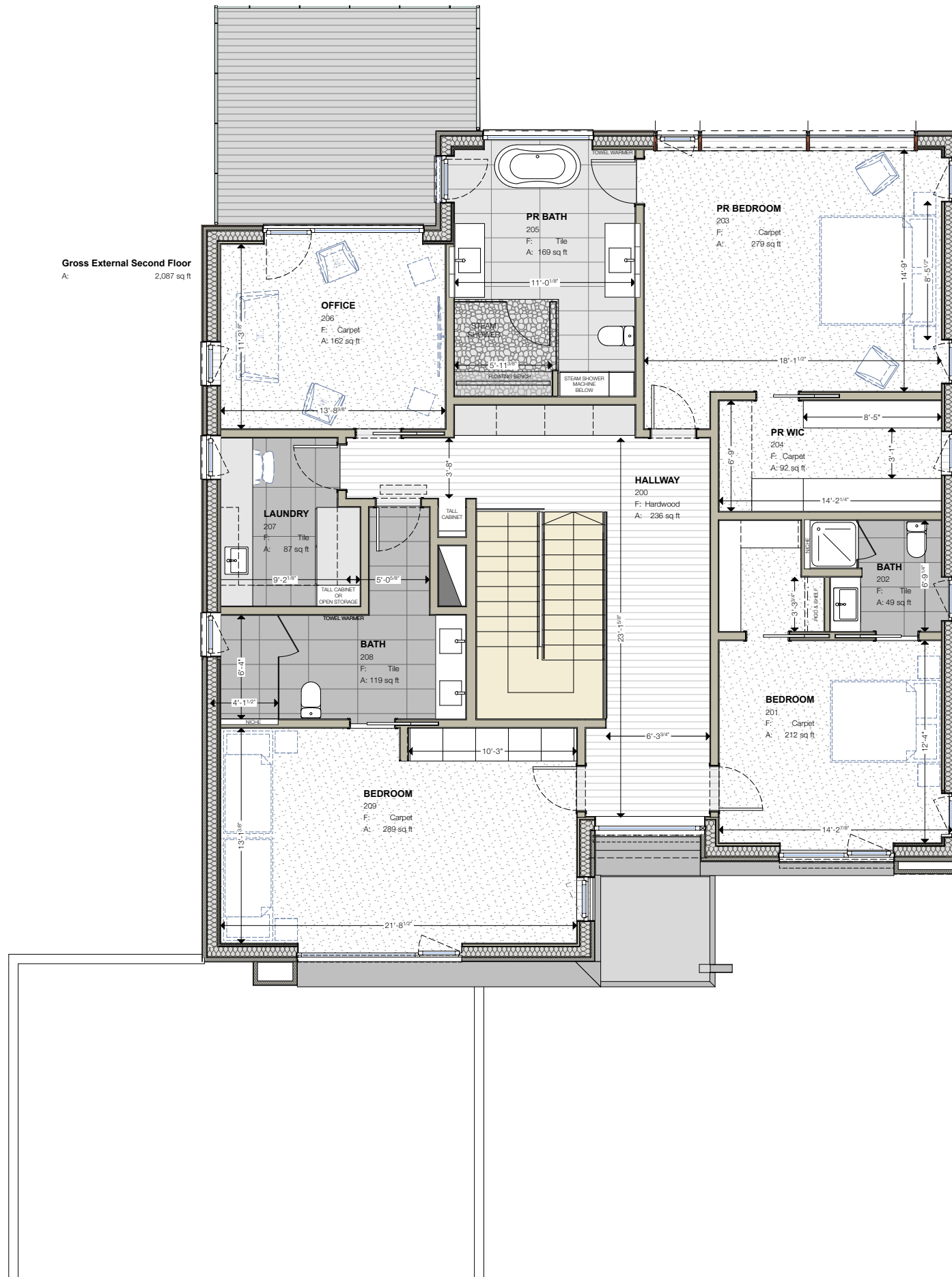
evoDOMUS LLC 2176 S Taylor Road Cleveland Heights, OH 44118 Phone: +1(216) 772-2603	
Owner: Nathan Chavez 17428 Edgewater Drive Lakewood OH	Project Name: Chavez Residence 17428 Edgewater Drive Lakewood OH
Drawing: First Floor Scale: Issue Date: 02/20/2024 Phase: ABR Review	
Sheet Number: A-03	Project Number: CHZ
Sheet Size: 11" x 17"	

First Floor Overview

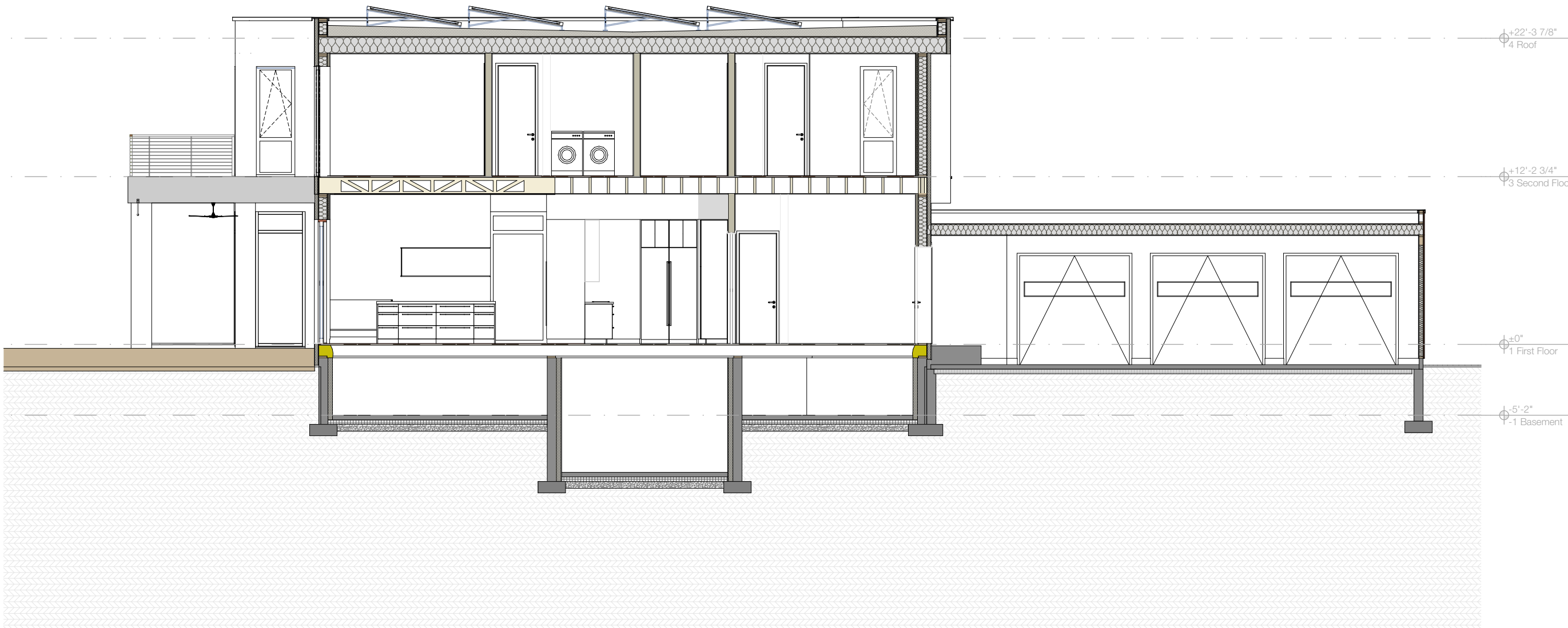


evoDOMUS LLC 2176 S Taylor Road Cleveland Heights, OH 44118 Phone: +1(216) 772-2603	
Owner: Nathan Chavez 17428 Edgewater Drive Lakewood OH	Project Name: Chavez Residence 17428 Edgewater Drive Lakewood OH
Drawing: First Floor Overview Scale:	
Issue Date: 02/20/2024	Project Number: CHZ
Phase: ABR Review	
Sheet Number: A-02	
Sheet Size: 11" x 17"	

Second Floor



<p>evoDOMUS LLC</p> <p>2176 S Taylor Road Cleveland Heights, OH 44118 Phone: +1(216) 772-2603</p>	
<p>Owner: Nathan Chavez 17428 Edgewater Drive Lakewood OH</p>	<p>Project Name: Chavez Residence 17428 Edgewater Drive Lakewood OH</p>
<p>Drawing: Second Floor</p>	
<p>Issue Date: 02/20/2024</p>	
<p>Phase: ABR Review</p>	
<p>Sheet Number: A-04</p>	<p>Project Number: CHZ</p>
<p>Sheet Size: 11" x 17"</p>	

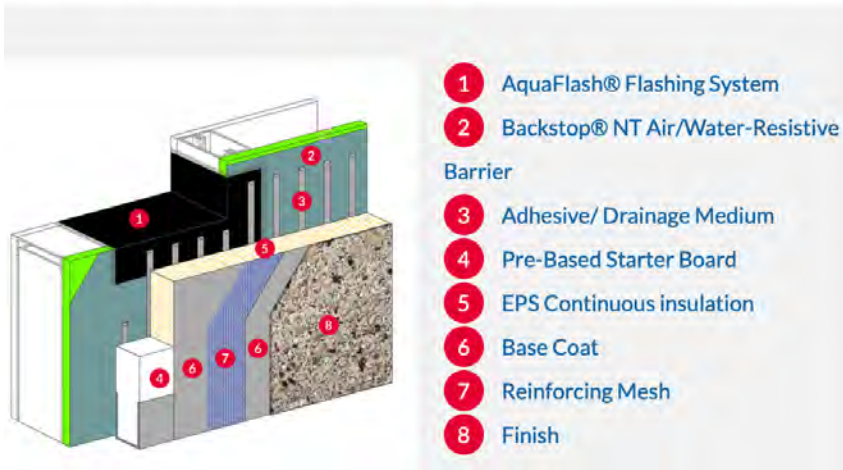


evoDOMUS LLC 2176 S Taylor Road Cleveland Heights, OH 44118 Phone: +1(216) 772-2603	
Owner: Nathan Chavez 17428 Edgewater Drive Lakewood OH	Chavez Residence 17428 Edgewater Drive Lakewood OH
Drawing: Section I N-S	
Scale: 1/8" = 1'-0"	
Issue Date: 02/20/2024	
Phase: ABR Review	CHZ
Sheet Number: C-01	
Sheet Size: 11" x 17"	

Section I N-S

Outsulation® Plus MD System

An Exterior Insulation and Finish System With Passive Moisture Drainage That and An Air/Water-Resistive Barrier



Wall structure



Stucco sample



Thermally treated wood siding accents



Material Selections

Natural stone accents



Triple-glazed high-performance windows



evoDOMUS LLC

2176 S Taylor Road
Cleveland Heights, OH 44118
Phone: +1(216) 772-2603

www.evodomus.com

Print Date: 2/20/24

Design History:

Edit: Date: Changes:

Edit	Date	Changes

Client:
Nathan Chavez
17428 Edgewater Drive
Lakewood OH

Drawing:
Material Selections
Scale:

Issue Date:
02/20/2024

Phase:
ABR Review

Sheet Number:
03.7

Sheet Size:
11" x 17"

Project Name:
Chavez Residence
17428 Edgewater Drive Lakewood OH

Project Number:
CHZ



Neighbor to the East, showing the existing structure on the left



Existing structure to be demolished



Neighboring Homes

Neighbor to the West, existing structure to the right



Modern home in vicinity



evoDOMUS LLC

2176 S Taylor Road
Cleveland Heights, OH 44118
Phone: +1(216) 772-2603

www.evodomus.com

Print Date: 2/20/24

Design History:

Edit: Date: Changes:

Edit	Date	Changes

Client:
Nathan Chavez
17428 Edgewater Drive
Lakewood OH

Drawing:
**Neighboring
Homes**
Scale:

Issue Date:
02/20/2024

Phase:
ABR Review

Sheet Number:
03.5

Sheet Size:
11" x 17"

Project Name:
Chavez Residence
17428 Edgewater Drive Lakewood OH

Project Number:
CHZ



**BOARD OF BUILDING STANDARDS
ARCHITECTURAL REVIEW BOARD
SIGN REVIEW BOARD**

12650 Detroit Avenue • (216) 529-6630 • FAX (216) 529-5907 • www.lakewoodoh.gov

Application Cover Page

Docket No.: 03-14-24

Permit No.: BBS24-000012

Applicant Name: Jill Brandt, Brandt Architecture

Project Address: 1026 Wilbert Rd.

Project Name: n/a

Project: Applicant proposes a one-floor addition on the south side of the home.

From: [Christine Foley](#)
To: [Jill Brandt](#)
Cc: michelle.nochta@lakewoodoh.net; [Mike Foley](#)
Subject: 1026 Wilbert BZA Owners Consent
Date: Wednesday, January 3, 2024 12:30:29 PM

Jill,

This e-mail serves as our consent to allow you and/or designee from your team to represent us in the BZA process for kitchen addition for 1026 Wilbert Road. If there is a specific form needed for signature, please let me know and I will work to get that over to you and/or Michelle ASAP.

Thanks for your (and Michelle's) help in expediting this today.

Chris

Christine A. Foley

Phone: 216-965-3047

E-mail: chfoley@sbcglobal.net

GENERAL NOTES AND SPECIFICATION

GENERAL CONDITIONS
1. Materials and methods of construction shall comply with all applicable local, state and federal building codes.
Current issue code = RCO effective July 1, 2019.

2. Contractor to provide minimum 1 year warranty on material and labor as well as provide Owner with manufacturer's warranty where applicable.

3. All work shall be installed in compliance with manufacturers' recommended installation methods and limitations.

4. Work schedule shall be coordinated with Owner prior to the start of construction. This shall include but not be limited to the days and hours of operation, as well as estimated completion date.

5. Contractor shall be responsible for removal of debris from site at the completion of work.

6. Contractor responsible for verifying dimensions & locations of existing walls, stairs, ceiling heights etc.

7. Contractor responsible for verifying locations of existing utilities and roads.

8. Contractor shall ensure structural stability of existing building during construction. Contractor shall maintain integrity of structural, mechanical, plumbing and electrical systems of existing building where impacted by new work.

9. Contractor shall patch and repair areas impacted by new work. Finishes to match existing.

10. Contractor shall cap all electrical and plumbing lines disconnected by scope of work in these documents

11. If any unfavorable or unforeseen conditions are discovered, contractor shall bring them to Owner's attention prior to proceeding with work.

12. Base bid shall consist of manufacturers as noted on drawings and this specification. Any substitutions, i.e., casework, windows, fixtures, hardware, siding, etc. recommended by Contractor shall be separately listed for Owner review. Substitutions shall include change in cost and schedule as well as product information or samples.

13. All submittals to be reviewed by Contractor prior to review by Owner. Submittals shall include but not be limited to cut sheets for hardware, equipment, plumbing and electrical fixtures, and color selections for finish materials.

EARTHWORK
1. Protect all adjacent structures, utilities, sidewalks, pavements and other facilities from damage caused by excavation, settlement, washout and any other hazards created by earthwork operations. Contractor is responsible for locating all utilities.

2. Unused excavated soil to be transported to on site location as designated by Owner.

3. Prevent surface water and ground water from entering excavations or flooding Project site and surrounding area.

4. Excavate to ensure footings and foundations bear on undisturbed soil. If soil is found to be insufficient bearing, Contractor shall notify Owner and Engineer prior to proceeding with work.

5. Backfill at foundations to within 12" of finish grade with #57 gravel fill.

6. Provide termite control methods per section 318 of RCO.

7. Utility trenches shall be excavated to provide uniform width and working clearance around utility line. Back fill w/ sand then soil.

8. At areas to receive concrete slab, install minimum 4" #57 limestone over compacted soil.

9. Contractor to finish grade site effected by work. Provide smooth transition between adjacent grades. Slope away from building Owner shall seed and landscape.

ENERGY EFFICIENCY REQUIREMENTS

This project shall comply with the RCO requirements for energy efficiency using the prescriptive method outlined in sections 1101.14 - 1104 of the RCO.

BUILDING THERMAL ENVELOPE

1. Insulation R values shall be as follows:
Walls: R=20
Ceilings R=49 for new construction
a. R=38 where insulation is installed over 100% of the area and extends over wall top plate
Floor: R= 30
Basement R=10 to depth of 10' below grade or basement floor.
Slab R=10 at 2" from perimeter
Window U=30
A permanent certificate shall be completed and posted by furnace listing R- values of all insulation components.

2. Where insulation extends over top plate in a vented attic, install an eave baffle. Baffles shall maintain an opening equal or greater than the size of the vent. The baffle shall extend over the top of the attic insulation.

CONCRETE

1. Concrete slab at building shall be Portland Cement ASTM C 150 Type 1 cement. Concrete to have a minimum cement content of 564# / cu.yd., a maximum water to cement ratio of 0.53 and obtain a minimum strength of 4,000 psi at 28 days. (unless noted otherwise - u.n.o.)

2. All garage slabs and exterior slabs shall have a minimum strength of 4,000 psi

3. All reinforcing steel shall conform with astm a615, 60 ksi yield.

4. Trowel finish for interior concrete and broom finish for exterior concrete. Comply with ASTM C 94 for mixing, delivery and testing.

5. All reinforcing steel, anchor bolts, plumbing & electrical sleeves shall be placed prior to pouring concrete.

6. Cut joints for all slabs on grade shall be a maximum of 12'-0" O.C. unless otherwise noted. All cuts shall be made 8 hours after placing concrete.

7. At all expansion joints, install backer rod and sealant.

REINFORCING STEEL

1. Reinforcing bars shall comply with the ACI code, ASTM A615, grade 60 U.N.O.

2. Lap all horizontal bars at corners and intersection.

3. Dowel all vertical rebar to foundations.

MASONRY
1. Construct all masonry walls in accordance with ACI 530.

2. Foundations walls shall be standard 12x8x16 & 8x8x16 masonry units as shown on plans.

3. Mortar for reinforced masonry and load bearing walls shall be type S. Non-bearing walls shall use Type N.

4. Grout solid minimum 2 courses (16") below beam bearing.

5. Brick shall be standard in size, texture, color and variation to match existing. Contractor shall provide 3 samples for Owner & Architect approval.

6. Tint mortar to match existing.

7. Brick shall be installed in running bond pattern with color distribution to match existing.

8. Apply 1/2" min. cement parging from the bottom of the footing up the foundation wall to grade with 1 coat of ironite waterproofing and 1 coat asphaltic emulsion over parging

9. Provide pipe sleeves for any through wall penetrations per OPC 305.

FRAMING

1. All framing shall be Southern Yellow Pine species #2 grade or better.

2. LVL's shall be Boise Cascade 2.0E GP Lam LVL or equal.

3. Where multiple piles of LVL are used, beams shall be nailed with 3 rows of min. 3" 10d nails, 12" O.C. If three or more piles are used, beams shall be nailed on both sides, staggered. Follow manufacturer's recommendation for alternate fasteners.

4. Plywood shall be standard PS-1 and OSB shall be standard PS-2

5. All exposed lumber or lumber in contact with concrete or masonry shall be ppt (u.n.o.)

6. All preservative pressure treated (ppt) lumber shall be southern pine #2.

7. Provide blocking at mid span of joists exceeding 2x12.

8. Provide bridging or lateral support between rafters and ceiling joists greater than 2x10 at point of bearing.

9. Any necessary holes or notching in load bearing studs shall be in accordance with section 602.6 of RCO.

3. Access doors from conditioned spaces to unconditioned spaces such as attics and crawl spaces shall be weatherstripped and insulated to a level equivalent to the insulation on the surrounding surfaces.

4. Floor framing-cavity insulation shall be installed to maintain permanent contact with the underside of the subfloor decking

AIR LEAKAGE

1. The building thermal envelope shall be constructed to limit air leakage and comply with sections 1102.4 of the RCO.

2. Sealing methods between dissimilar materials shall allow for differential expansion and contraction.

3. The building or dwelling unit shall be tested and verified as having an air leakage rate of not more than five air changes per hour. Testing shall be conducted in accordance with RESNET/ICC 380, ASTM E779 or ASTM E1827 and reported at a pressure of 0.2 inch w.g. (50 Pascals). A written report of the results of the test shall be signed by the party conducting the test and provided to the building official. Testing shall be performed at any time after creation of

10. Any necessary holes in load bearing top plates shall be in accordance with section 602.6 of the RCO, provide min. 16 ga. strap 1.5" wide and min. 16" long at notch.

11. Provide fire blocking at exterior walls between stories, at stairs, soffits, openings and vents between floors, at chimneys and other locations outlined in section 302.11 of the RCO.

12. Provide draftstopping in floor/ceiling locations as outlined in section 302.12 of the RCO.

DOORS AND HARDWARE
1. Provide 2'-6"x 6'-8"x 1 3/8" solid core wood door unless otherwise noted on plan. Panel size and pattern selected by owner. Doors shall be primed and painted. Color selected by Owner. Door shall be hung level and true.

4. Interior doors & hardware to match exist. Where possible, new door hardware shall be by Schlage or approved equal. Style and finish selected by Owner.

WINDOWS

1. Windows shall be Andersen Renewal vinyl windows with low e glass to match existing. Windows shall be double hung with screens, traditional grilles and locks. Finish to match existing. Alternates shall be Pella, or Owner approved equal.

2. Exterior windows and sliding doors shall be tested by an independent laboratory and bear a label identifying manufacturer, performance characteristics and approved inspection agency to indicate compliance with AAMA/WDMA/CSA 1011.5.2/A440.

3. Windows shall meet standards for wind design loads per section 301.2 of RCO.

EXTERIOR FINISHES

1. Horizontal siding to be JL HARDIE 5" wood grained vinyl siding collection to match existing. Standard color to be selected by owner.

2. Roof shingles shall be GAF Timberline "Natural Shadow". Color and texture to be selected by Owner.

3. Install self sealing hip and ridge cap shingle matching the color of selected roof shingle.

4. Eave and ridge vents must supply open space for ventilation of not less than 1 to 150 of the area which they are ventilating. Provide corrosion-resistant screening over openings as per the details and notes in these construction documents or contact the designer.

5. Provide #30 Roofing Underlayment

6. Provide ice & water shield minimum 5'-0" up from all eaves and valleys and 2'-0" up from walls where abutting roof. Install per manufacturer's recommendation.

7. Exposed flashing shall be pre-finished metal flashing 24 gauge hot-dip galvanized steel sheet, complying with ASTM A 653/A 653M, G90/Z275.

8. Concealed flashing shall be self-adhesive membrane type flashing.

9. Where applicable, flashing shall extend min. 6" up wall and behind vapor barrier to prevent water entry.

10. Flashing shall be installed in a shingle style or overlapping to prevent water entry.

11. At valleys install eaves protection membrane at least 36 (914mm) inches wide and centered on the valley. Lap ends 6 inches (152mm) and seal.

12. Install 5" K style seamless aluminum gutters with 3" downspouts. Install all necessary endcaps, brackets, screws, elbow and joints. Install per manufacturer's recommendation. Gutter to be white, downspouts to match siding.

INSULATION
1. Provide batt insulation as indicated in building & wall sections.

2. All insulation R values shall meet or exceed minimum standards outlined in RCO.

all penetrations of the building thermal envelope.

4. Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. Recessed luminaires shall be IC-rated and labeled as having an air leakage rate of not greater than 2.0 cfm

SYSTEMS

1. Not less than one thermostat shall be provided for each separate heating and cooling system.

2. Supply and return ducts in attics shall be insulated to an R-value of not less than R-8 for ducts 3 inches (76 mm) in diameter and larger and not less than R-6 for ducts smaller than 3 inches (76 mm) in diameter.

3. Seal all ducts, air handlers and filter boxes. Joints and seams shall comply with Section 1601.4.1.

4. Ducts shall be pressure tested to determine air leakage per section 1103.3.3 of the RCO. Ducts can be tested at rough-in or post construction. A written report of the results of the test shall be signed by the party conducting the test and provided to the building official

5. Building cavities shall not be used as

3. Acceptable manufacturers for batt insulation shall be Owens Corning, Certainteed, John's Manville or Owner approved equal.

INTERIOR FINISHES

10. Gypsum Board shall be ASTM C 36, regular 1/2" and 5/8" type "X" with tapered edges, as indicated in drawings

11. Provide water resistant gypsum board in all wet rooms such as bathrooms and at kitchen counters.

12. Install "duronock" wall board where tile to be installed.

13. Provide in maximum lengths and widths to minimize joints and correspond with support system.

14. Gypsum board trim shall be galvanized or aluminum coated steel, rolled zinc, plastic, or paper faced galvanized stainless steel. Provide corner beads at outside corners and LC bead, j- shaped, on long exposed edges.

15. Joint treatment shall comply with ASTM C 475. Prefill open joints, beveled edges and any damaged surface areas. Tape and embed joints and fasteners to ASTM C 840 standards.

16. All wood trim, including but not limited to wood base, crown mould, window & door trim, to match existing size and profile.

17. Provide thresholds and reducer strips as needed with finish floor materials.

18. Provide smooth finish at ceiling.

19. All gyp. bd. to be primed and painted.

20. Apply paint according to manufacturer's written instruction using applicators and techniques best suited for substrates and material applied. Provide smooth opaque surface of uniform finish, color, appearance and coverage. Cloudiness, spotting, laps, brush marks runs and other imperfections will not be accepted.

21. Provide the following finish system over interior gypsum board: Two finish coats of low luster acrylic - enamel finish, over a primer. Primer shall be interior gypsum primer. Acceptable manufacturers shall be Benjamin Moore, Sherwin Williams.

22. All finish colors and materials to be selected by Owner.

23. Kitchen countertops to be Quartz. Color & texture to be selected by Owner.

24. Cabinetry design by others.

25. Provide allowance for tile where noted on plan. Tile and grout selection by Owner.

26. Provide concrete substrates with dry-set or latex-portland cement mortar.

27. Trowel level, free of any bumps and protrusions.

28. Install tile under counters and equipment to provide complete floor covering without interruption.

29. Lay tile in grid pattern on wall and brick pattern on walls unless otherwise indicated verify layout with Owner prior to installation.

30. Accurately form intersections and evenly space joints.

31. Grout tile completely per grout manufacturer's recommendations. Clean tile after grouting

32. Toilet room accessories: mirror, soap, towel and toilet paper holders shall be provided by Owner and installed by contractor.

MECHANICAL, ELECTRICAL & PLUMBING

1. All Kitchen equipment to be purchased by Owner and installed by Contractor. Contractor responsible for coordinating plumbing and electrical requirements for kitchen equipment. Owner shall provide equipment cut - sheets 1 week prior to delivery.

2. Provide new electrical wiring, outlets, junction boxes etc. throughout. Connect to existing electrical panel.

3. Contractor to field verify capacity and notify Owner of any necessary upgrades in base bid.

4. Coordinate light fixture locations with Owner. Coordinate switching with existing switch and fixture locations.

5. All bath exhaust fans and dryer exhaust duct runs shall be vented out through exterior walls or up through the roof. Avoid venting at the front of house where possible. Do not vent through soffits into soffits or into attics. Provide a duct termination kit (energy efficient with screen) and roof flashing as required at the duct exterior outlet. Paint the exterior wall and roof penetrations to match the finished surface. The duct run shall be smooth metal with foil 'mastic' tape joints and clamps (no screws) and insulated or in an insulated cavity for the exterior outlet.

6. Plumbing systems to connect to existing domestic supply & wastelines. Contractor to notify Owner of any necessary upgrades in existing systems and include work in base bid.

8. Provide pipe protection for exterior plumbing line sand utilities per OPC 305.

9. Plumbing contractor to provide isometric of system upon request of the City prior to pulling permits.

10. Plumbing fixtures by Owner. Acceptable manufacturers shall be Moen, Kohler, Delta.

12. Contractor to provide heating and ventilation to areas as required by all applicable building codes. Connect to existing system.

13. Duct sizing and layout by HVAC contractor.

14. J Schedule provided by HVAC contractor.

17. Provide thresholds and reducer strips as needed with finish floor materials.

18. Provide smooth finish at ceiling.

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FOLEY RESIDENCE
1026 WILBERT AVE

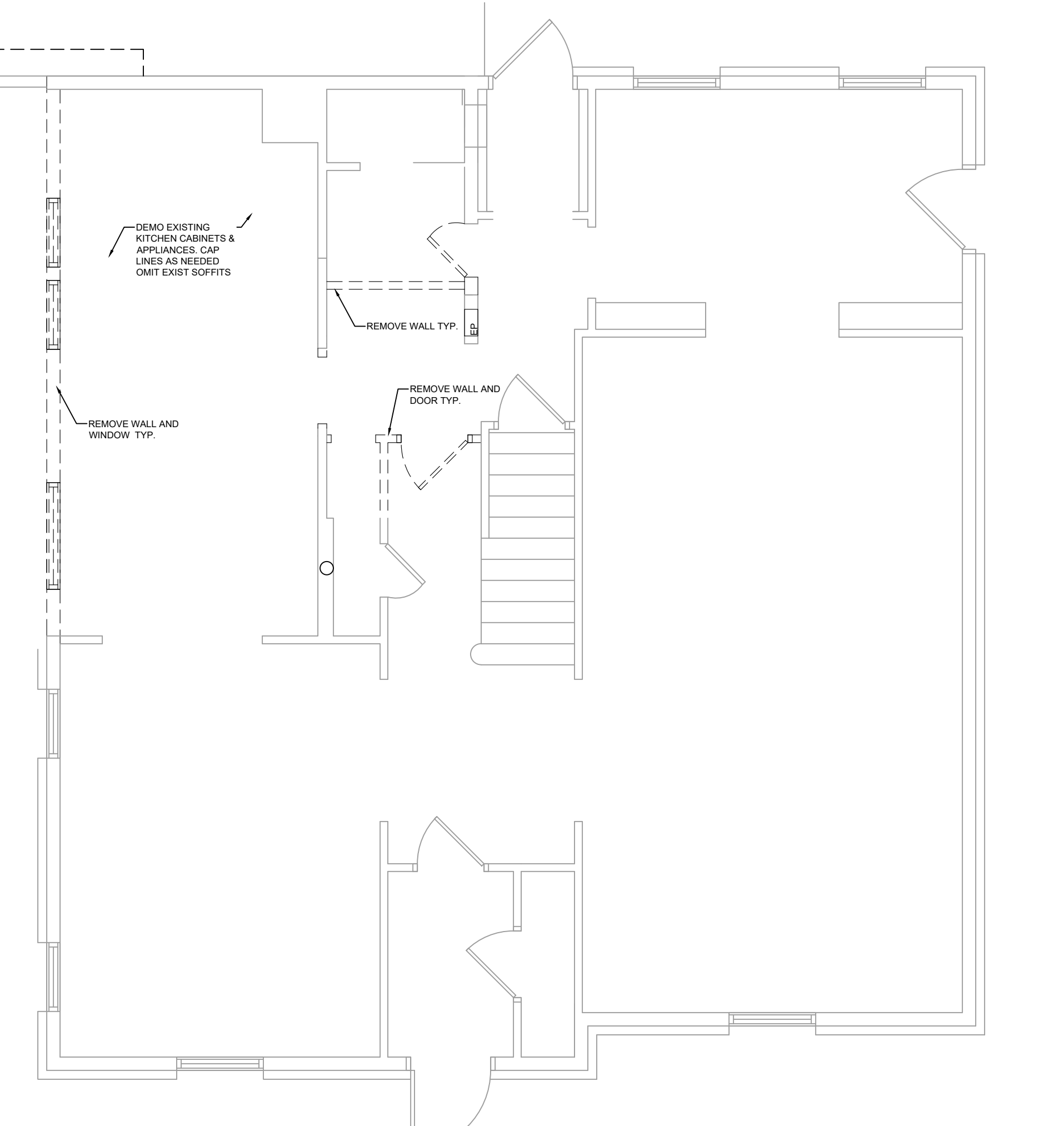
SCOPE OF WORK: ONE STORY 130 SQFT ADDITION AND RENOVATION TO AN EXISTING RESIDENTIAL STRUCTURE TO EXPAND KITCHEN, MUDROOM AND BATHROOM

DRAWING INDEX

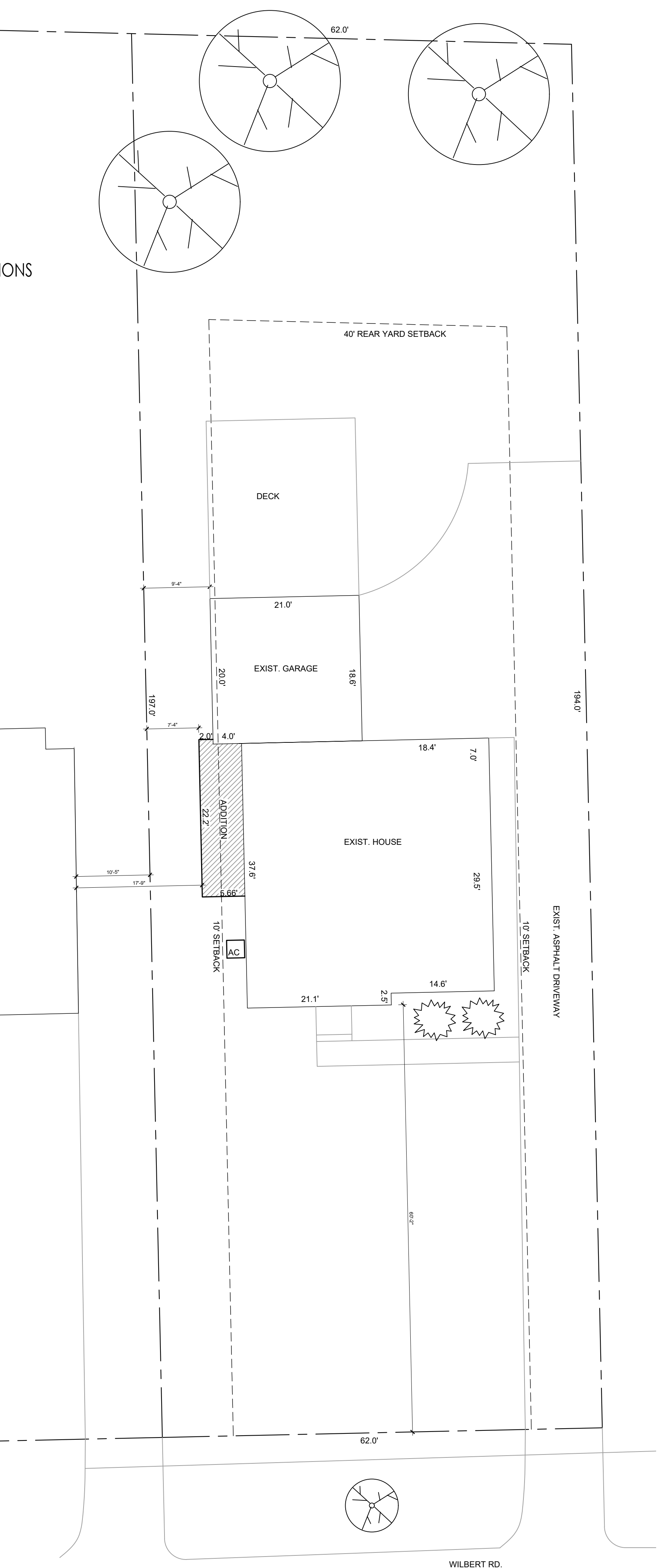
- T-1 TITLE PAGE
A-1 FLOOR PLANS
A-2 ELEVATIONS & SECTIONS
E-1 ELECTRICAL PLAN

LOT COVERAGE:
LOT SIZE: = 12,168 SQ. FT
EXIST. HOUSE FOOTPRINT = 1,275 SQ.FT
EXIST. GARAGE FOOTPRINT: = 430 SQ. FT
TOTAL: = 1,705 SQ.FT 14.0%

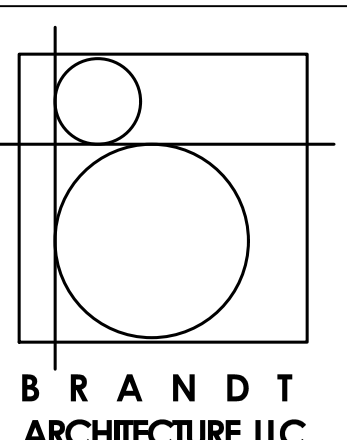
NEW FOOTPRINT
EXISTING HOUSE TO REMAIN = 1,705 SQ. FT
ADDITION FOOTPRINT: = 130 SQ. FT
TOTAL : = 1,835 SQ. FT = 15.1%



1 FIRST FLOOR DEMO PLAN
SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



BRANDT ARCHITECTURE, LLC
2220 Wooster Rd.
Rocky River, OH 44116
440.865.1824
brandtarchitecture.com

9/21/23 REVIEW
1/3/24 BZA
1/30/24 REVIEW
2/5/24 BID/ PERMIT



Jill L. Brandt
OH #12657
EXP 12/31/25

FOLEY RESIDENCE
1026 WILBERT RD
LAKEWOOD, OHIO 44107

TITLE PAGE

T-1

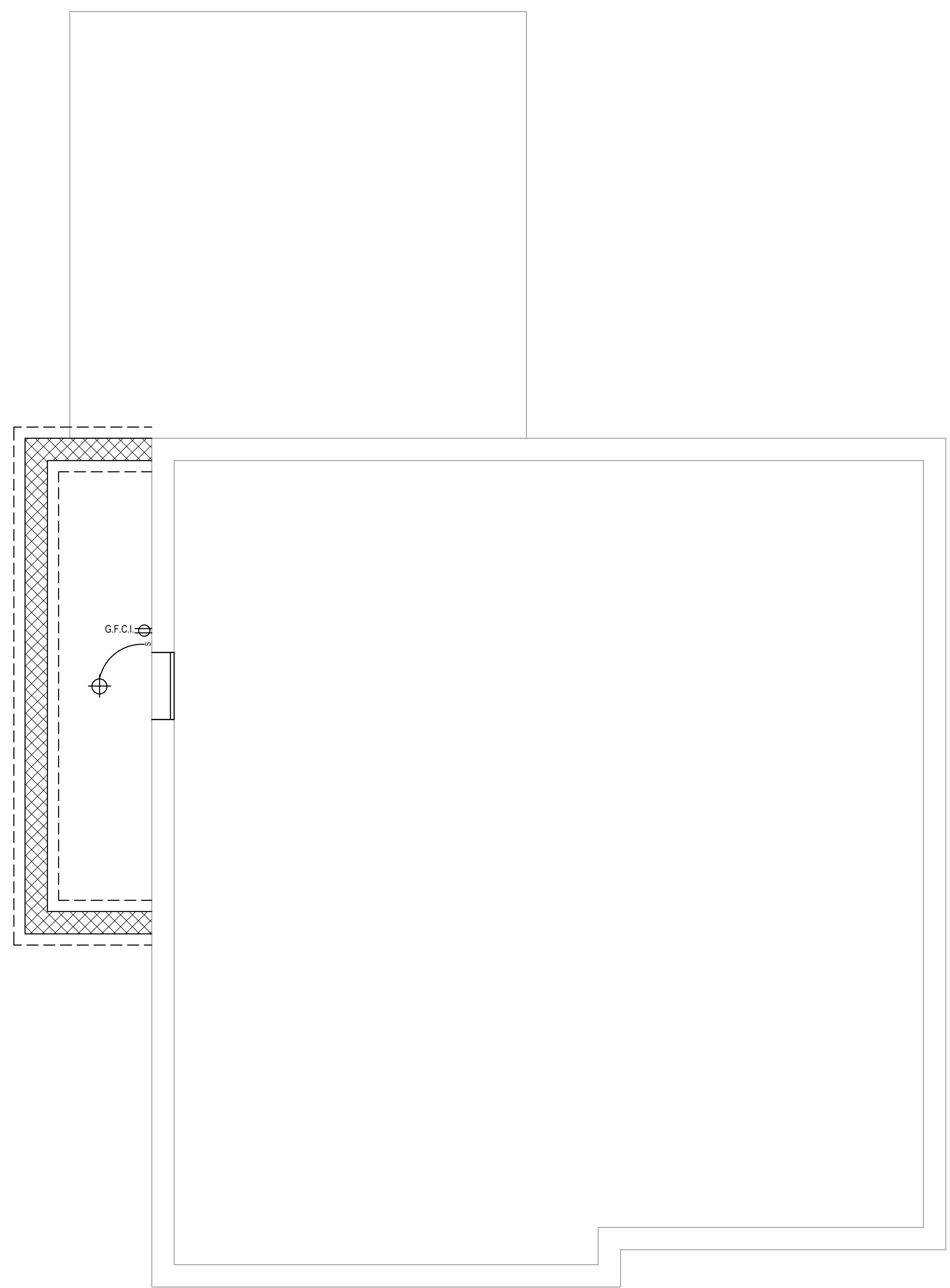
SYMBOL	DESCRIPTION
⊕	DUPLEX OUTLET
⊕	DEDICATED APPLIANCE OUTLET
⊕ _{GFCI}	GROUND FAULT CIRCUIT INTERRUPTER OUTLET
⊕ _{WR}	WATER RESISTANT OUTLET
⊕	CEILING MOUNTED LIGHT FIXTURE
⊕	WALL MOUNTED LIGHT FIXTURE
○	PENDANT LIGHT FIXTURE
○	4" RECESSED LIGHT FIXTURE
—	UNDER CABINET LIGHT FIXTURE
EF	EXHAUST FAN VENT TO EXTERIOR
EF	COMBINATION EXHAUST FAN / LIGHT
+	CEILING FAN / LIGHT FIXTURE
SD	HARDWIRED SMOKE DETECTOR
SD	COMBINATION SMOKE & CARBON MONOXIDE DETECTOR

SYMBOL	DESCRIPTION
▭	RETURN AIR GRILLE
▭	SUPPLY AIR DIFFUSER
—	DUCT

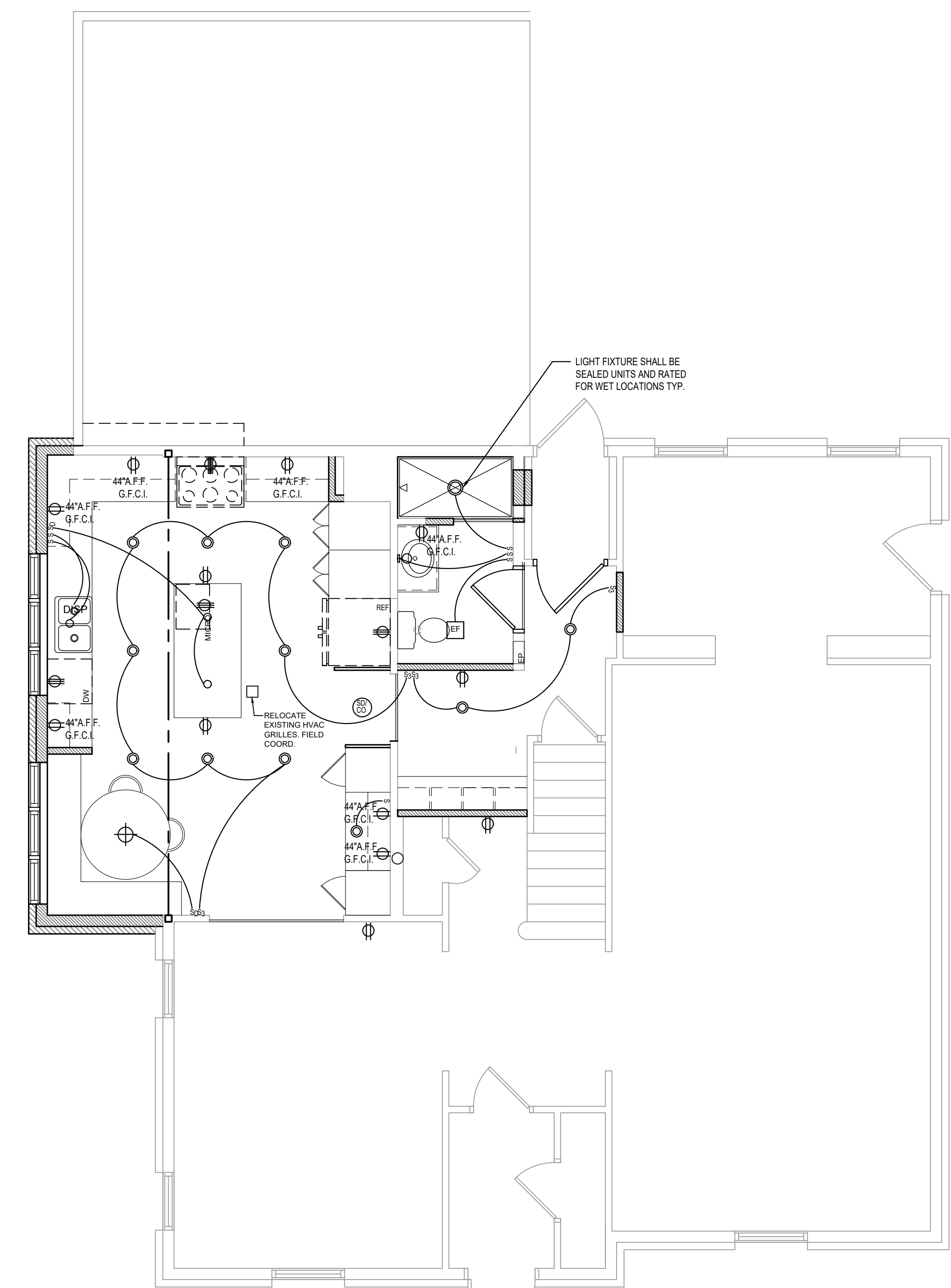
MECHANICAL NOTE:
 1. ALL WORK SHALL COMPLY WITH THE RCO, IFGC, FEDERAL, STATE AND LOCAL CODES.
 2. MECHANICAL CONTRACTOR TO SIZE DUCTS, VENTS & FURNACE.
 3. COORDINATE GRILLE LOCATIONS WITH OWNER & FURNITURE LAYOUT.
 4. GRILLE COLOR AND FINISH SELECTED BY OWNER.
 5. DUCT RUNS IN BASEMENT SHALL BE LOCATED TO MAINTAIN HEADROOM AND MAXIMIZE HABITABLE SPACE.

PLUMBING NOTES:
 ISOMETRIC DRAWINGS ARE DIAGRAMATIC. CONTRACTOR SHALL FIELD VERIFY WITH EXISTING SUPPLY, WASTE & VENT LINES. COORDINATE HEIGHT WITH INTERIOR ELEVATIONS AND FIXTURE SPECIFICATION.

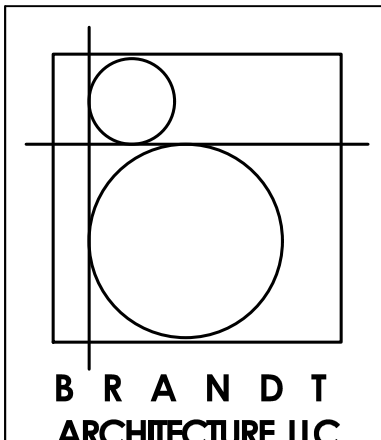
ELECTRICAL NOTES:
 1. ALL WORK SHALL COMPLY WITH THE RCO & IFGC, NEC, AND FEDERAL, STATE AND LOCAL CODES.
 2. ANY INCOMPATIBILITY WITH ELECTRIC PANEL SHALL BE BROUGHT TO THE OWNER'S ATTENTION PRIOR TO PROCEEDING WITH WORK.
 3. FIELD VERIFY EXISTING OUTLET LOCATIONS. ELECTRICAL CONTRACTOR SHALL COORDINATE EXISTING AND NEW OUTLET LOCATIONS TO MEET CURRENT CODE REQUIREMENTS.
 4. NEW AND EXTENDED CIRCUITS (EXCEPT THOSE AT KITCHEN COUNTERTOPS) SHALL RECEIVE AFCI PROTECTION.
 5. PROVIDE A MINIMUM OF TWO (2) 20 AMP SMALL APPLIANCE CIRCUITS FOR RECEPTACLES AT KITCHEN COUNTER.
 6. PROVIDE A MINIMUM OF ONE (1) 20 AMP SMALL APPLIANCE CIRCUIT FOR RECEPTACLES AT LAUNDRY ROOM.
 7. PROVIDE A MINIMUM OF ONE (1) 20 AMP SMALL DEDICATED BRANCH CIRCUIT FOR EACH BATHROOM & POWDER ROOM.
 8. PROVIDE HARDWIRED SMOKE DETECTORS PER CODE RCO SECTION 314.3: 1 PER SLEEPING ROOM AND 1 LOCATED ON EACH FLOOR. ALL NEW SMOKE ALARMS WILL HAVE BATTERY BACK-UP POWER. UNLESS ADDITIONAL FINISHES MUST BE REMOVED, THEY SHALL BE INTERCONNECTED SUCH THAT ACTUATION OF ONE ACTIVATES ALL INTERCONNECTED SMOKE ALARMS.
 9. EACH FLOOR SHALL HAVE BOTH IONIZATION AND PHOTOELECTRIC SMOKE ALARMS.
 10. PROVIDE CARBON MONOXIDE DETECTORS PER CODE RCO SECTION 316: 1 PER FLOOR.
 11. OWNER SHALL PROVIDE DECORATIVE LIGHTING.
 12. RECOMMENDED MANUFACTURERS FOR NEW FIXTURES SHALL BE LITHONIA OR OWNER APPROVED EQUAL.
 13. ALL EQUIPMENTS AND SYSTEM COMPONENTS SHALL BE SQUARE D OR APPROVED EQUAL.
 14. NEW LIGHT FIXTURES SHALL USE CFL'S OR LED OR MEET ENERGY EFFICIENCY REQUIREMENTS.
 15. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.
 16. ALL WEATHER RESISTANT OUTLETS TO BE ENCLOSED.



1 FOUNDATION ELECTRICAL PLAN
 E-1 SCALE: 1/4" = 1'-0"



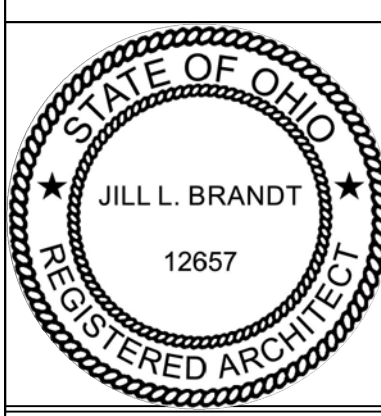
2 FIRST FLOOR ELECTRICAL PLAN
 E-1 SCALE: 1/4" = 1'-0"



BRANDT ARCHITECTURE, LLC

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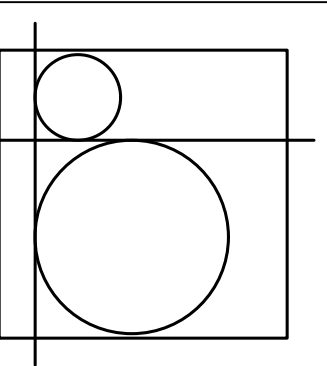
9/21/23 REVIEW
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Jill L. Brandt
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FOLEY RESIDENCE
 1026 WILBERT RD
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ELECTRICAL PLAN
E-1



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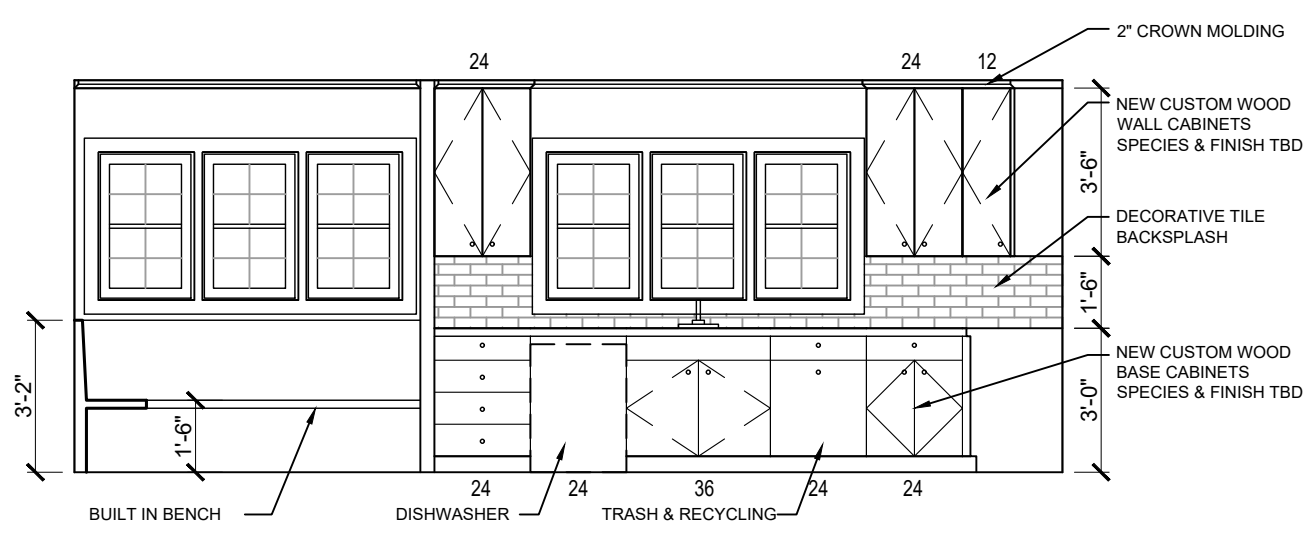


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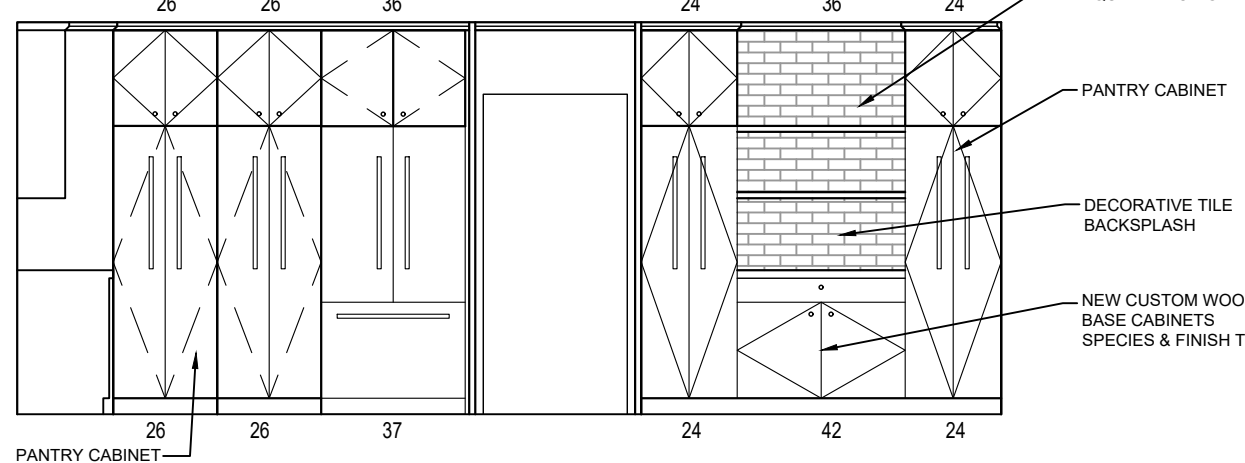
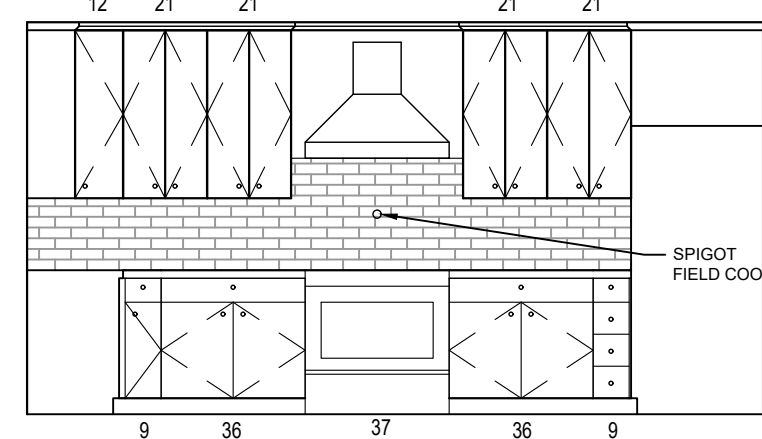
FOLEY RESIDENCE
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ELEVATIONS & SECTIONS

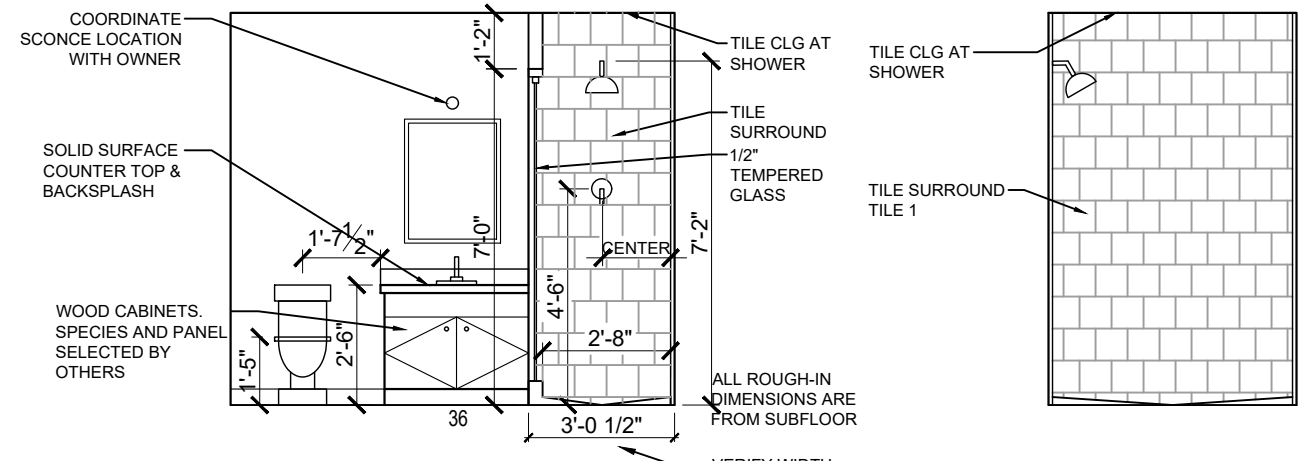
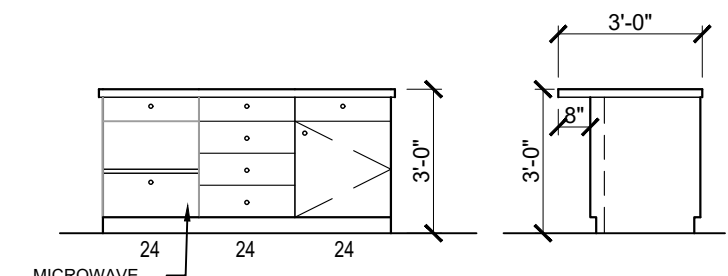
A-2



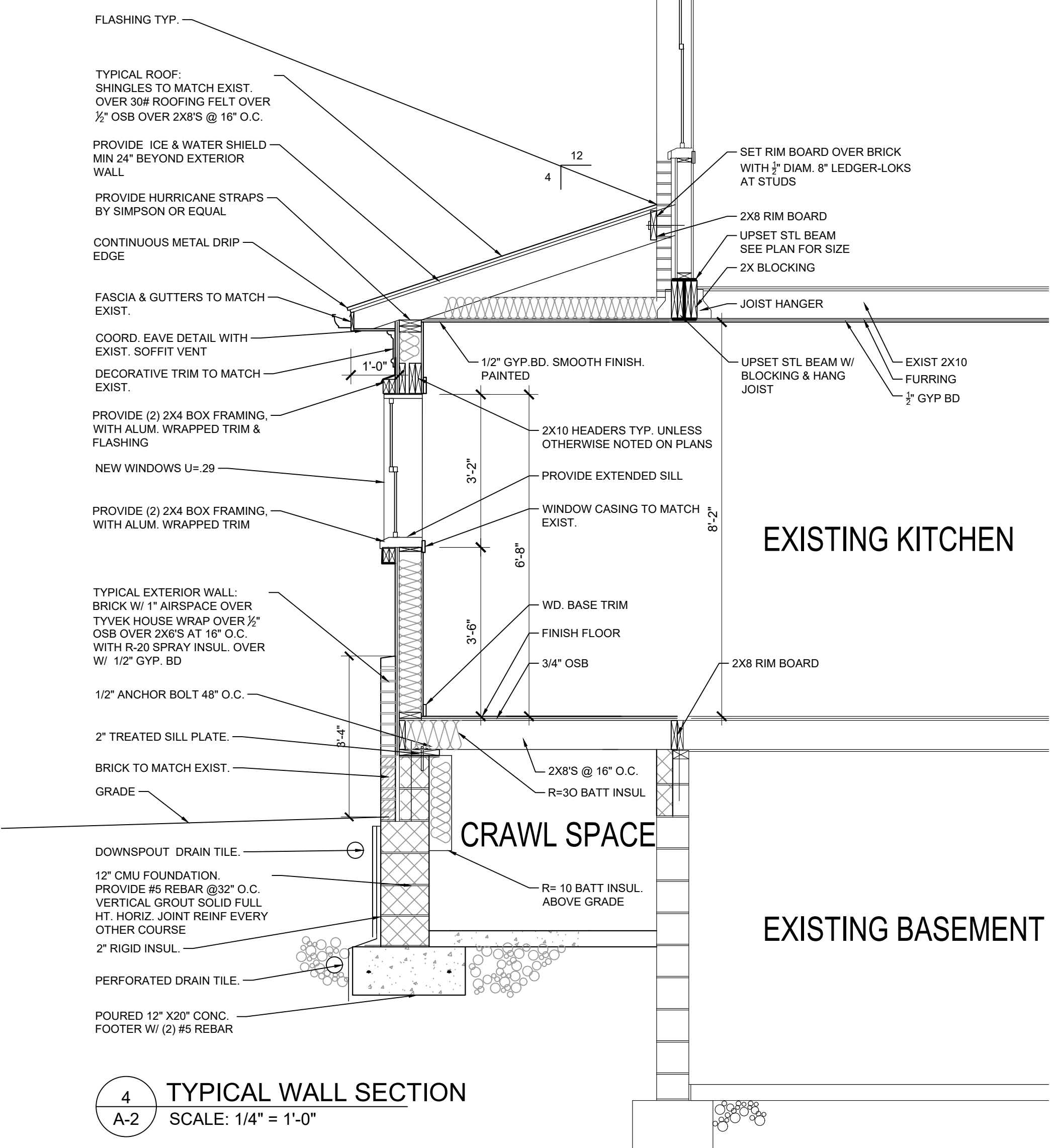
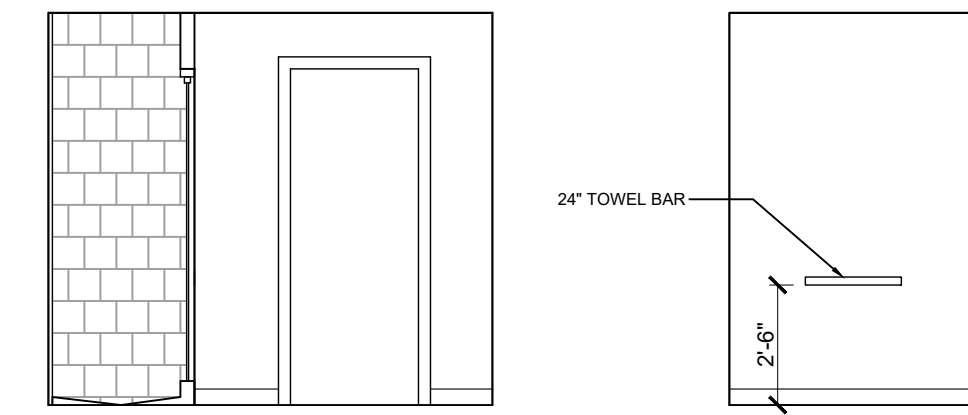
1 KITCHEN ELEVATION
SCALE: 1/4" = 1'-0"



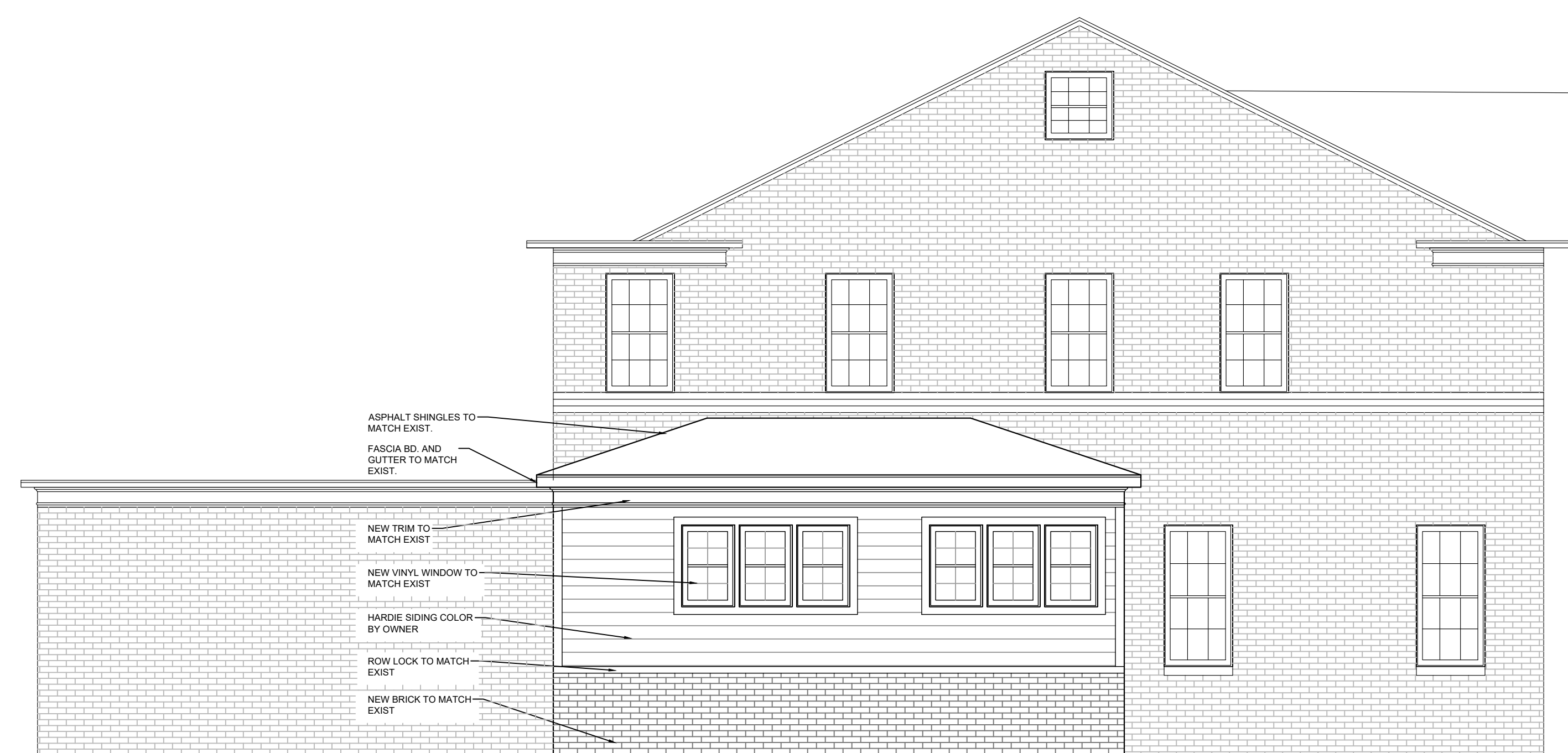
2 KITCHEN ISLAND ELEVATION
SCALE: 1/4" = 1'-0"



3 BATHROOM ELEVATION
SCALE: 1/4" = 1'-0"



4 TYPICAL WALL SECTION
SCALE: 1/4" = 1'-0"



5 SIDE ELEVATION
SCALE: 1/4" = 1'-0"



6 FRONT ELEVATION
SCALE: 1/4" = 1'-0"









**BOARD OF BUILDING STANDARDS
ARCHITECTURAL REVIEW BOARD
SIGN REVIEW BOARD**

12650 Detroit Avenue • (216) 529-6630 • FAX (216) 529-5907 • www.lakewoodoh.gov

Application Cover Page

Docket No.: 03-15-24

Permit No.: BBS24-000018

Applicant Name: Jill Brandt, Brandt Architecture

Project Address: 1048 Summit Ave.

Project Name: n/a

Project: Applicant proposes the renovation and addition on rear of a home.

Amanda L. Cramer

From: Jill Brandt <jbrandt@brandtarchitecture.com>
Sent: Monday, February 26, 2024 8:41 AM
To: Michelle Nochta; Amanda L. Cramer
Subject: FW: ARB meeting

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi

Below is the Owner's consent for ARB. Do I need to upload to the website as well?

Thank you,

Jill L. Brandt

B R A N D T
ARCHITECTURE, LLC

2220 Wooster Rd.
Rocky River, OH 44116
440-865-1824
www.brandtarchitecture.com

From: John Fredieu <jrfredieu@gmail.com>
Sent: Sunday, February 25, 2024 10:18 PM
To: Jill Brandt <jbrandt@brandtarchitecture.com>
Cc: Ross Andryscio <randryscio@brandtarchitecture.com>
Subject: Re: ARB meeting

Dear Jill,

You and your firm Brandt Architecture, LLC have permission to represent the interests of Mary Brigid Sweeney and John Fredieu concerning our property located at 1048 Summit Ave., Lakewood, Ohio at the City of Lakewood Design review board proceedings or other governmental proceedings related to our planned house addition.

Thank you.

/s/ Mary Brigid Sweeney
/s/ John Fredieu

On Wed, Feb 21, 2024 at 11:58 AM Jill Brandt <jbrandt@brandtarchitecture.com> wrote:

Hi,

I have submitted your project to the City for the next Design review meeting. That will be 3/14/24 at 5:30pm. If one of you are able to attend, that would be helpful.

Also, if you could send an email or document stating that I have your permission to act as your agent and present your project that would be great. It is a required part of the submission application.

Thanks,

Jill L. Brandt

B R A N D T

ARCHITECTURE, LLC

2220 Wooster Rd.

Rocky River, OH 44116

440-865-1824

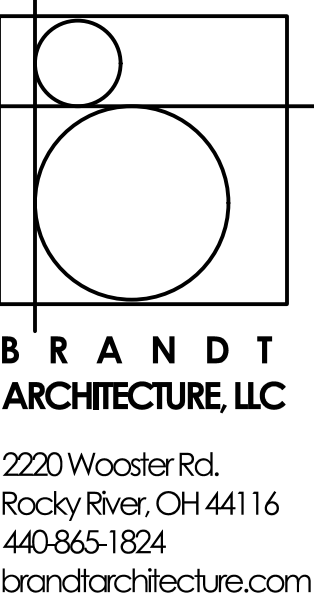
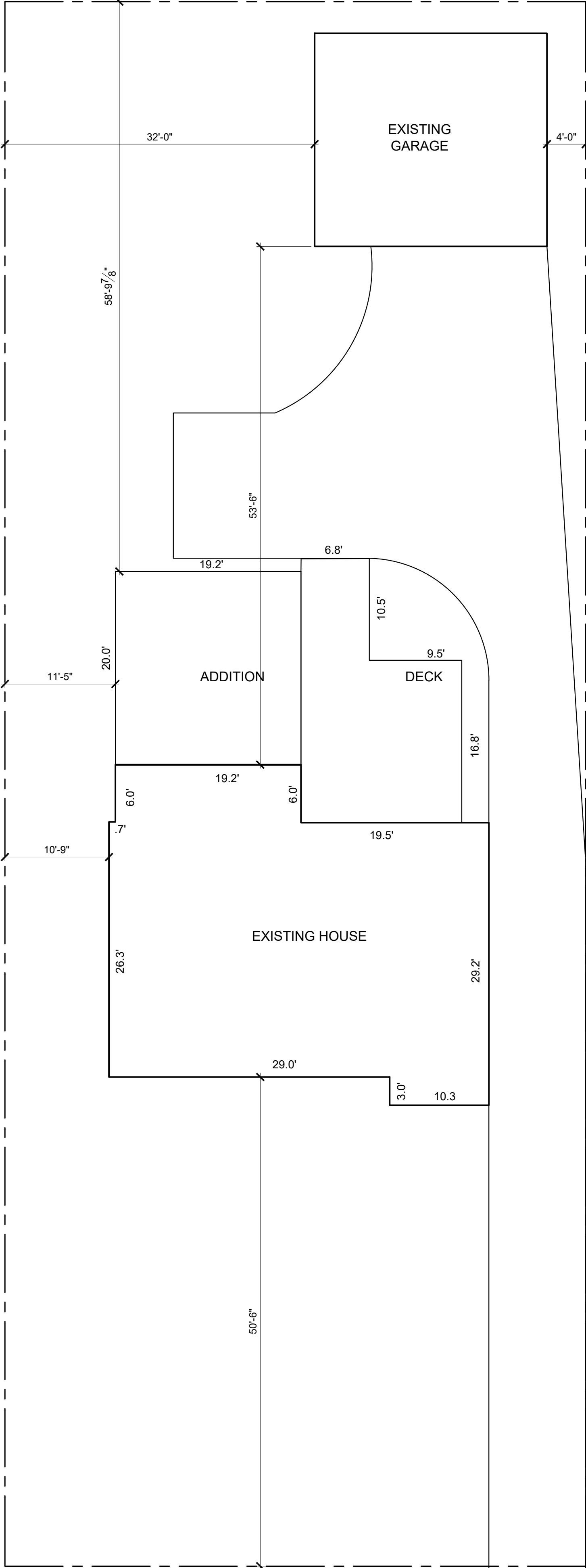
www.brandtarchitecture.com

THE SWEENEY RESIDENCE

1048 SUMMIT AVENUE

LAKEWOOD, OHIO 44107

SCOPE OF WORK:
 NEW 2 STORY, 672 SF ADDITION
 OF INLAW SUITE AND STUDIO
 AND 395 SF DECK.

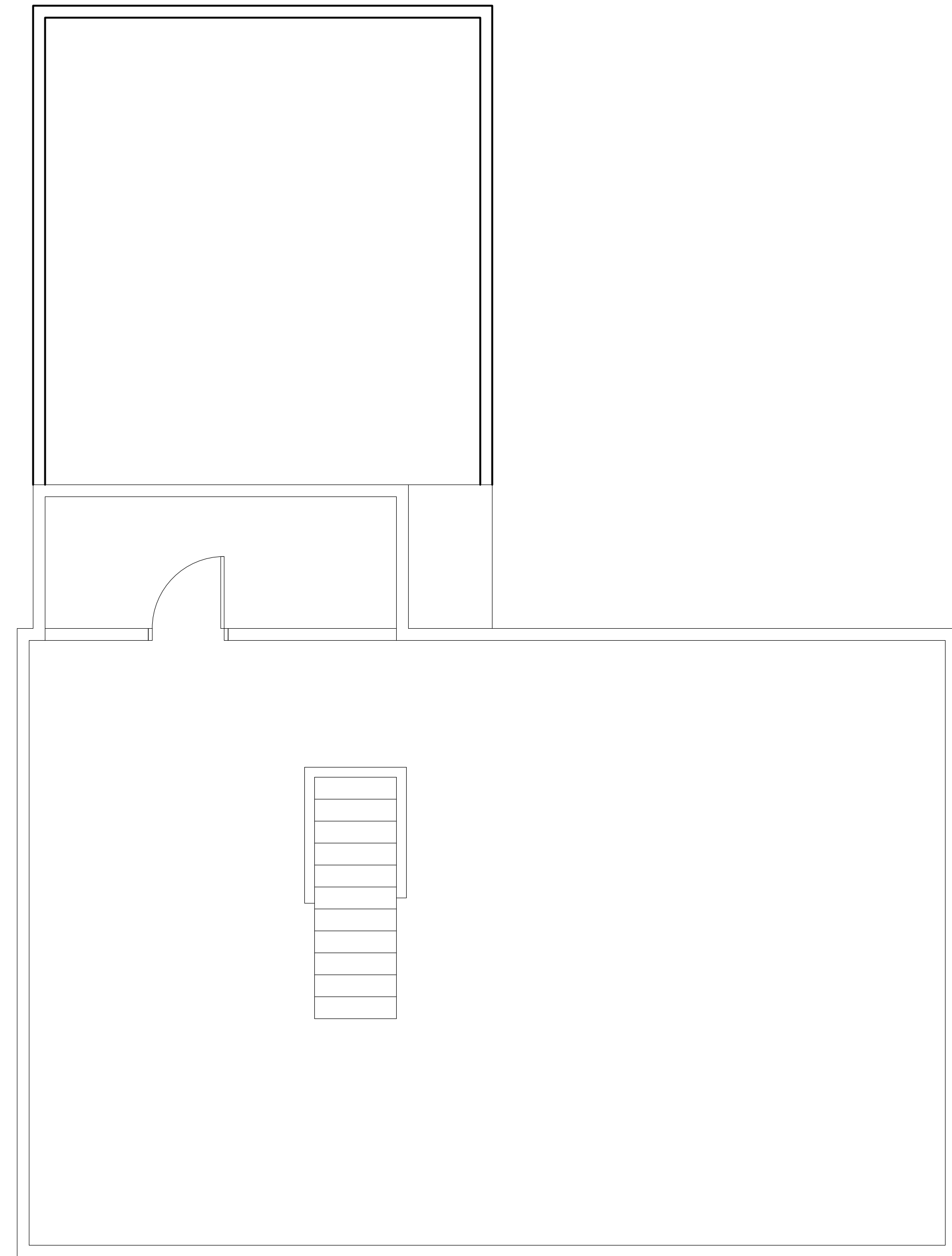


2/21/24 ARB

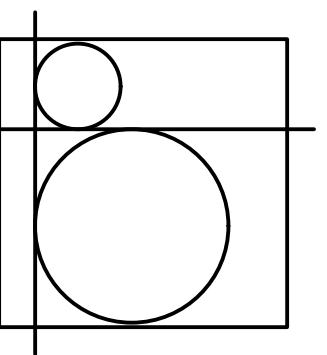
THE SWEENEY RESIDENCE
 1048 SUMMIT AVENUE
 LAKEWOOD, OHIO 44107

1 SITE PLAN
 T-1 SCALE: 1/8" = 1'-0" N

SITE PLAN
 AND SPECS
T-1



1 FOUNDATION PLAN
A-2 SCALE: 1/4" = 1'-0"



B R A N D T
ARCHITECTURE, LLC

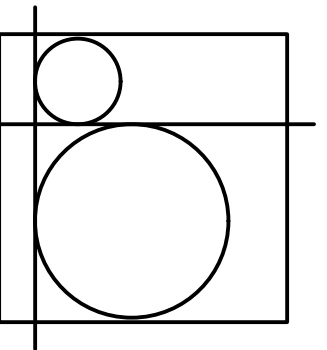
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440.865.1824
brandtarchitecture.com

2/21/24 ARB

THE SWEENEY RESIDENCE
1048 SUMMIT AVENUE
LAKEWOOD, OHIO 44107

FLOOR PLANS

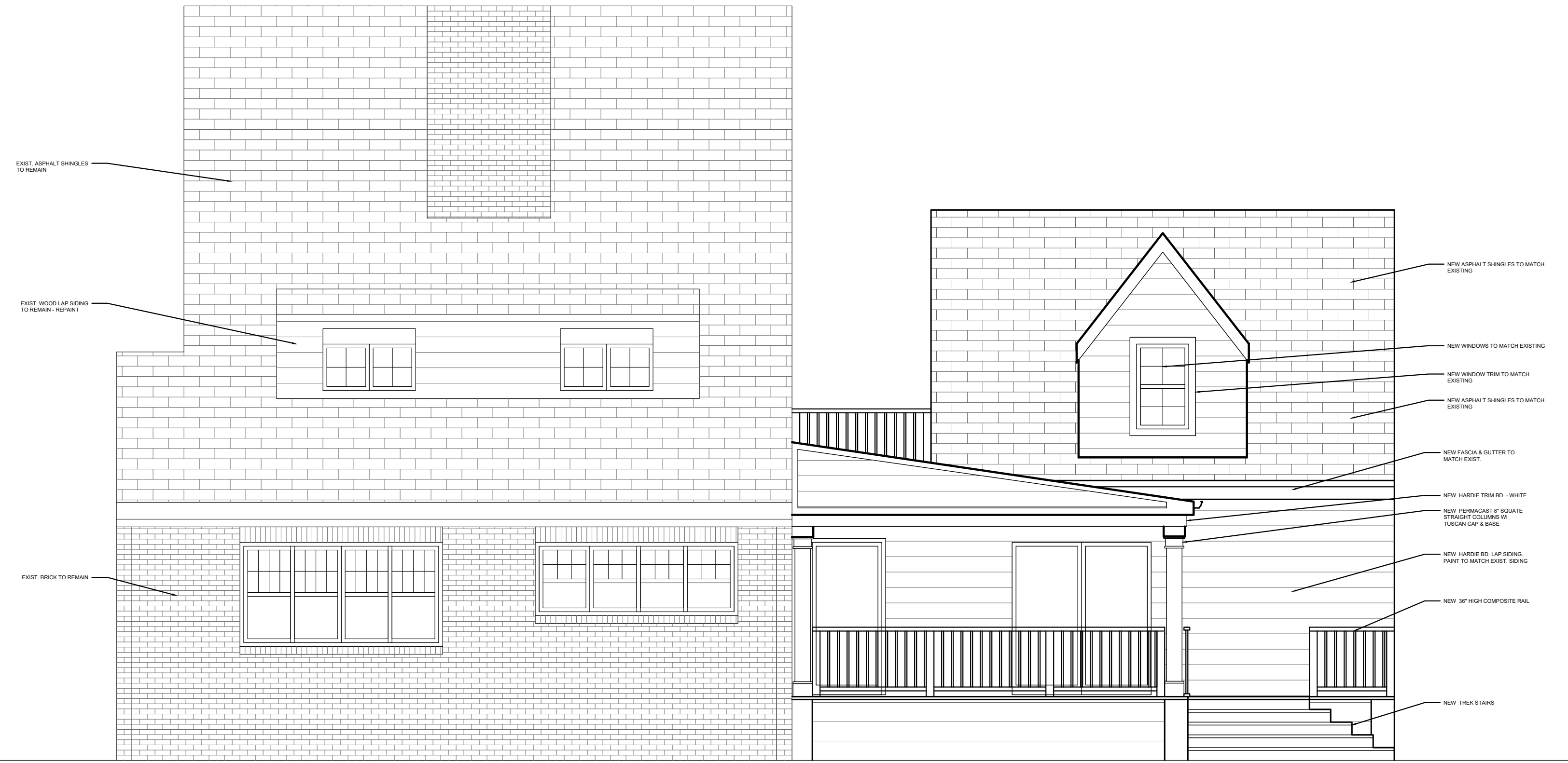
A-2



**BRANDT
ARCHITECTURE, LLC**

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Rocky River, OH 44116
440.865.1824
brandtarchitecture.com

2/21/24 ARB



1 SOUTH ELEVATION
A-3 SCALE: 1/4" = 1'-0"



2 WEST ELEVATION
A-3 SCALE: 1/4" = 1'-0"



1 NORTH ELEVATION
A-3 SCALE: 1/4" = 1'-0"

THE SWEENEY RESIDENCE
1048 SUMMIT AVENUE
LAKEWOOD, OHIO 44107

ELEVATIONS

A-3











**BOARD OF BUILDING STANDARDS
ARCHITECTURAL REVIEW BOARD
SIGN REVIEW BOARD**

12650 Detroit Avenue • (216) 529-6630 • FAX (216) 529-5907 • www.lakewoodoh.gov

Application Cover Page

Docket No.: 03-16-24

Permit No.: BBS24-000013

Applicant Name: Ryan Kauffman, Kauffman Lawn Furniture

Project Address: 12102 Madison Ave.

Project Name: Hola Tacos

Project: Applicant proposes an approximately 2,000 sq. ft. awning addition to the existing building.

Owner Consent Form

City of Lakewood, Ohio

By signing below, I authorize members of the City's Building Department and Planning and Development Department access to my property for limited purposes of photographing and verifying location and dimension of the area affected by my Architectural Board of Zoning Appeals applications and requests. A landlord of a single tenant structure must provide the written consent of the tenant. The City employee will, in case of one, two or three tenant structure, attempt to notify those residing on the property immediately prior to coming onto the property. In the case of a multi-tenant structure, the City employee will notify the building manager.

Property Address: 12102 Madison Ave Lakewood, OH 44107

Owner Signature:

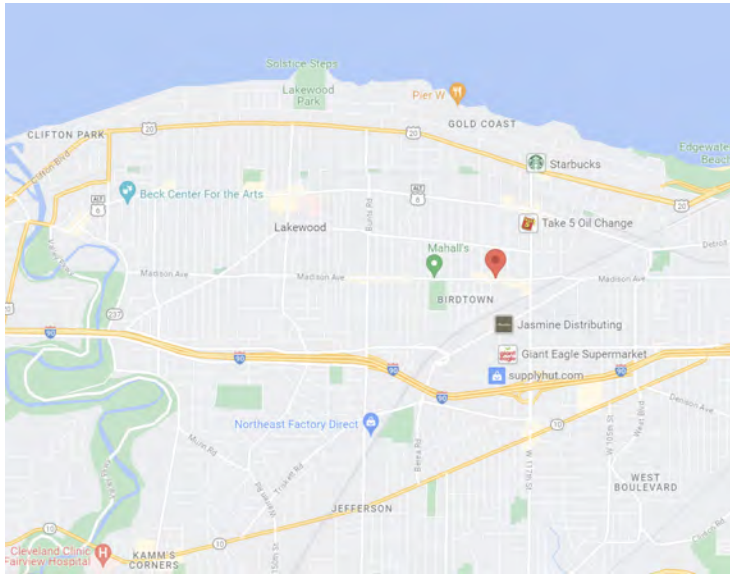
A handwritten signature in black ink, appearing to be 'J. Lee', written over a horizontal line.

Date: 01/17/2024

Hola Taco StruXure Project

12102 Madison Ave
Lakewood, OH 44107

VICINITY MAP



General Notes:

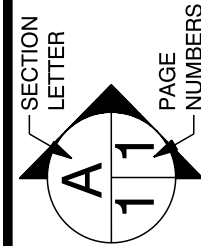
All reference in this section are according to the Ohio Residential Building Code. All areas of the building are to meet or exceed the standards required therein.

Soil bearing design based on 1,500 psf at footing depth. Contractor and owner are responsible for verifying that the above soil conditions exists at the foundation locations. Soil testing is recommended for any areas that have been mined or disturbed previously.

Concrete strength for footers shall be a minimum of 3,000 psf at 28 days. Concrete for exterior slabs shall be a minimum of 4,000 psf at 28 days with 6% air entrainment.

The structure is designed to be self-supporting and stable after completion. It is the contractors responsibility to determine erection procedures and sequence, and to ensure the safety of the building and it's components.

An approved set of construction documents shall be kept at the site of the work. And shall be available for reference by the building official at all times during working hours while such work is in progress.



PAGE: 1 / 3
Cover Sheet

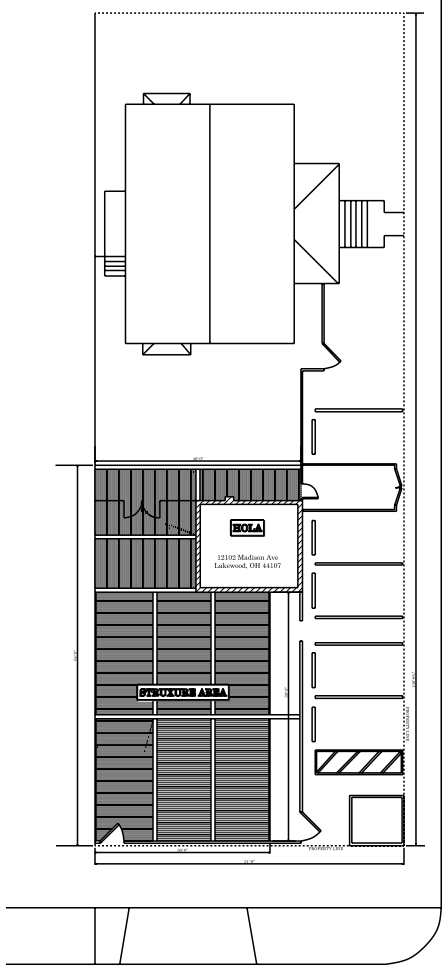
Hola Tacos
12102 Madison Ave
Lakewood
OH
44107
Cuyahoga County

 Kauffman Lawn Furniture
4540 US 62 MILLERSBURG OH 44654
330-401-6303
BRYAN@KAUFFMANLAWNFURNITURE.COM

DRAWN BY: QUINN MILLER
SCALE: As Noted
DATE: Monday, February 19, 2024

 SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

Site Plan



Kauffman Lawn Furniture
4540 US 62 MILLERSBURG OH 44654

330-401-6303
BRYAN@KAUFFMANLAWNFURNITURE.COM



Hola Tacos
12102 Madison Ave
Lakewood
OH
44107
Cuyahoga County

DRAWN BY: QUINN MILLER

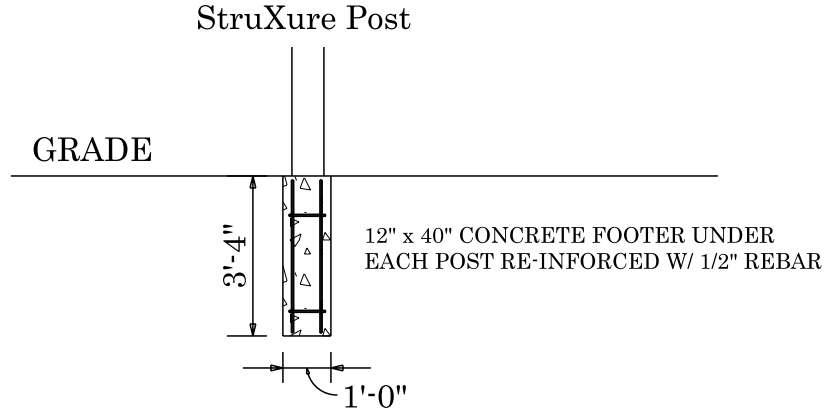
SCALE: 0.0312" = 1'-0"

DATE: Monday, February 19, 2024

SECTION LETTER: **A**
PAGE NUMBERS: **11**
PAGE: **2 / 3**
Site Plan

Footer Detail

SCALE: 1/4" = 1'-0"



**SEE PG A 108 FOR BRACKET / FASTENER DETAILS



Kauffman Lawn Furniture
4540 US 62 MILLERSBURG OH 44654

330-401-6303
BRYAN@KAUFFMANLAWNFURNITURE.COM



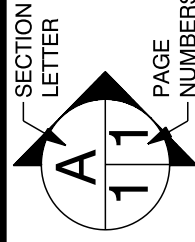
Hola Tacos
12102 Madison Ave
Lakewood
OH
44107

Cuyahoga County

DRAWN BY: QUINN MILLER

SCALE: 1/4" = 1'-0"

DATE: Monday, February 19, 2024



PAGE: 3 / 3

Section Detail

PRESENTED BY:
KAUFFMAN LAWN FURNITURE

4574 US-62
MILLERSBURG, OH 44654

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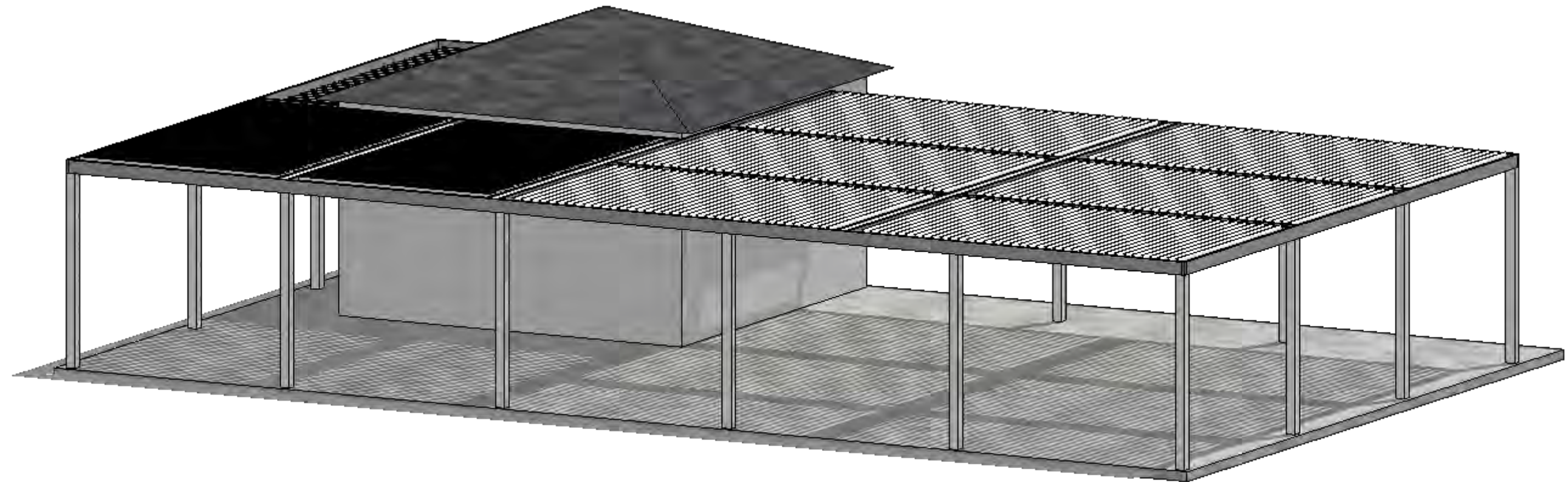
PROJECT SHEETS

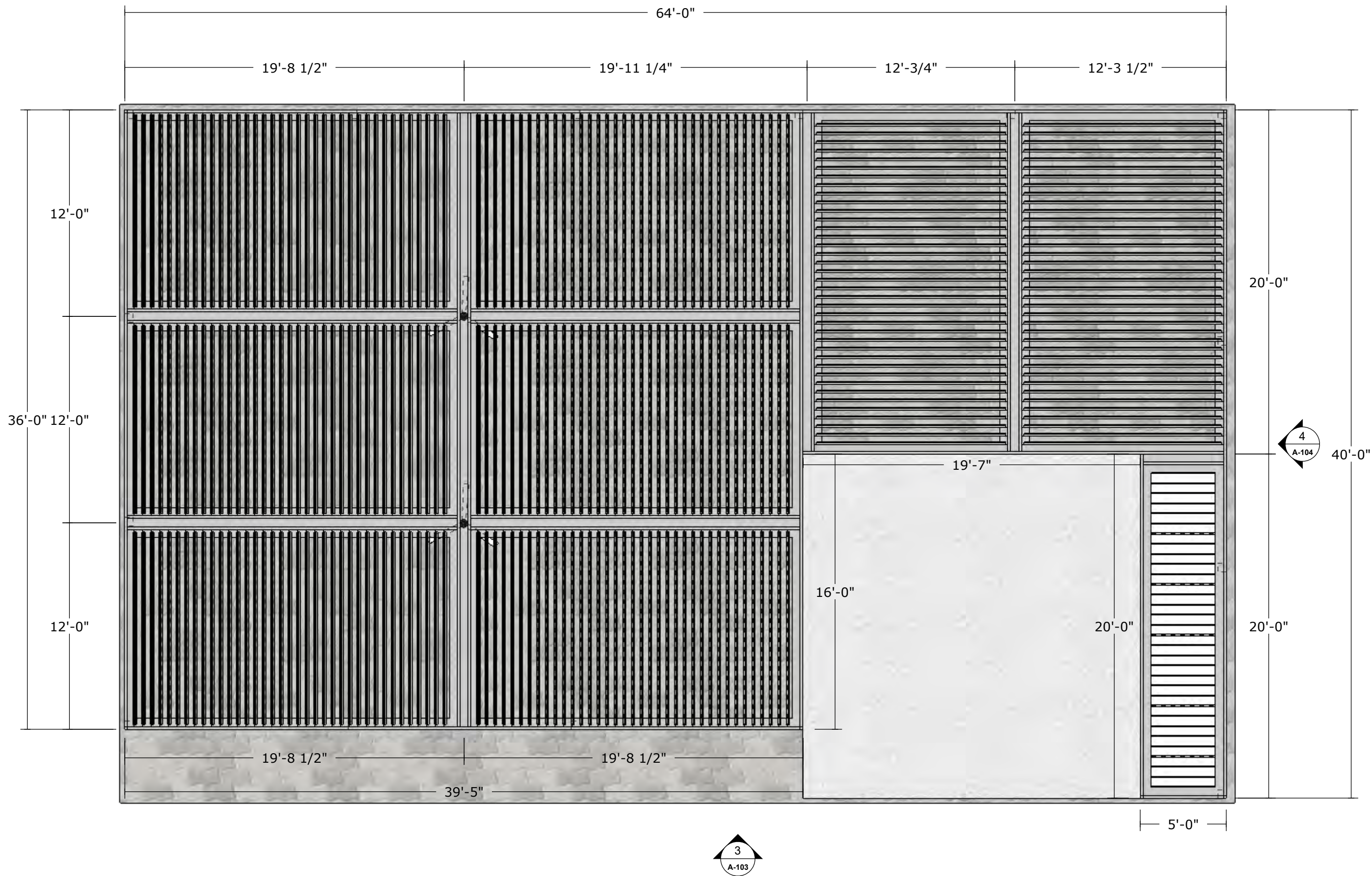
- A 100/COVER
- A 101/ TOP PLAN
- A 102/ TOP DETAIL PLAN
- A 103/ SIDE ELEVATION
- A 104/ FRONT ELEVATION
- A 105/ LOUVER DETAIL
- A 106/ GUTTER DETAIL
- A 107/ POST DETAIL
- A 108/ FOOTER DETAIL
- A 109/ DETAIL
- A 110/ DETAIL
- A 111/ DETAIL

PROJECT #: 7056	DRAWING #: C-100
--------------------	---------------------

PAGE NAME:
COVER SHEET

PAGE #:
A100





HOLA TACOS

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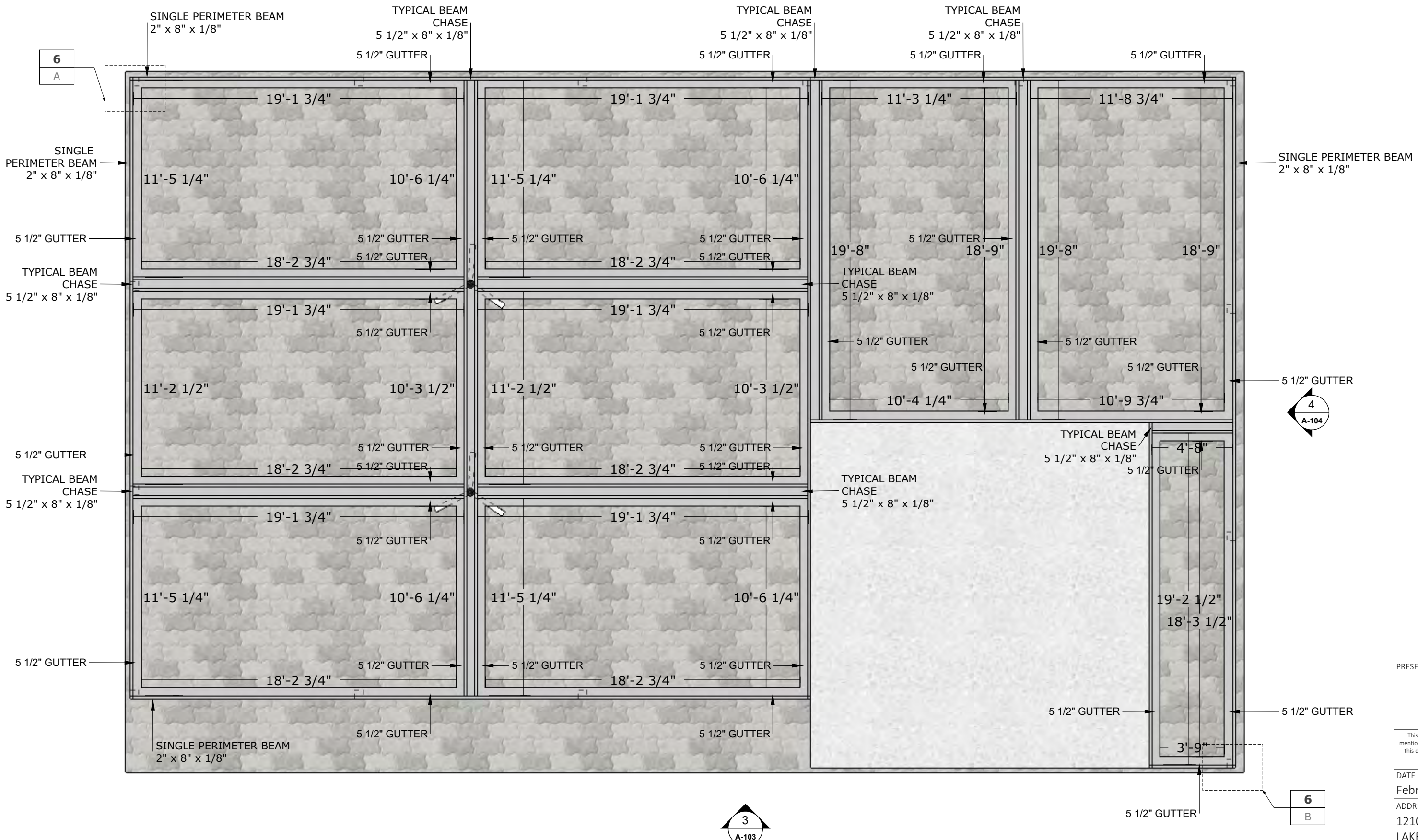
PROJECT #: 7056	DRAWING #: 1
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PAGE NAME:
TOP VIEW

PAGE #:
A101

ALUMINIUM TYPE:
LOUVERS 6063-T5
ALL OTHER COMPONENTS 6063-T6

1 :: TOP VIEW
::Scale: 3/16" = 1'-0"



HOLA TACOS

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PROJECT #: 7056	DRAWING #: 2
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PAGE NAME:
TOP DETAIL PLAN

PAGE #:
A102
ALUMINIUM TYPE:
LOUVERS 6063-T5
ALL OTHER COMPONENTS 6063-T6

2 :: TOP DETAIL PLAN
::Scale: 3/16" = 1'-0"

HOLA TACOS

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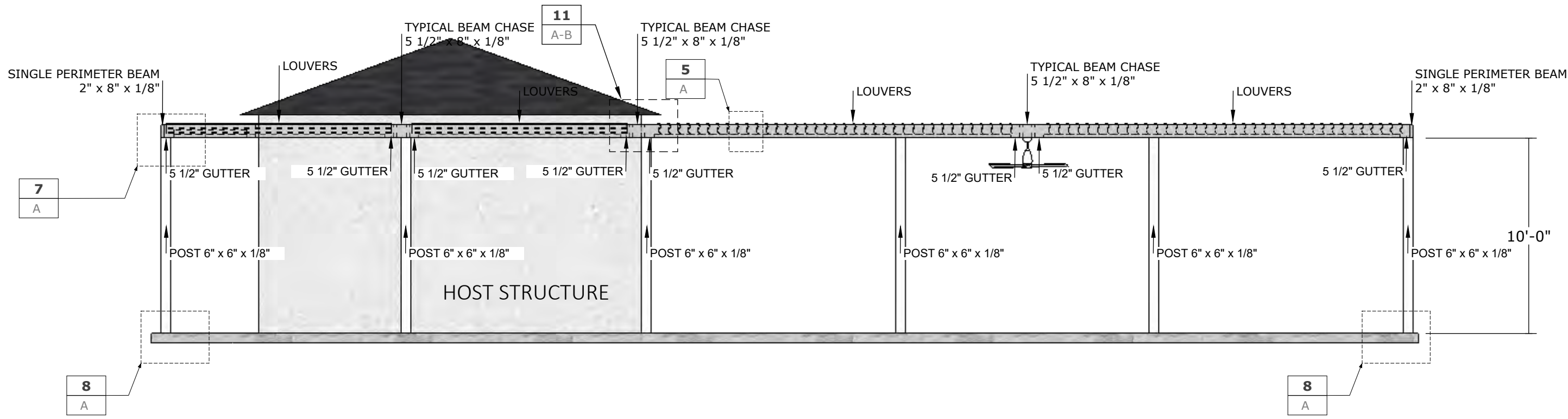
DATE ISSUED:
February 18, 2024

ADDRESS
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PROJECT #: 7056	DRAWING #: 3
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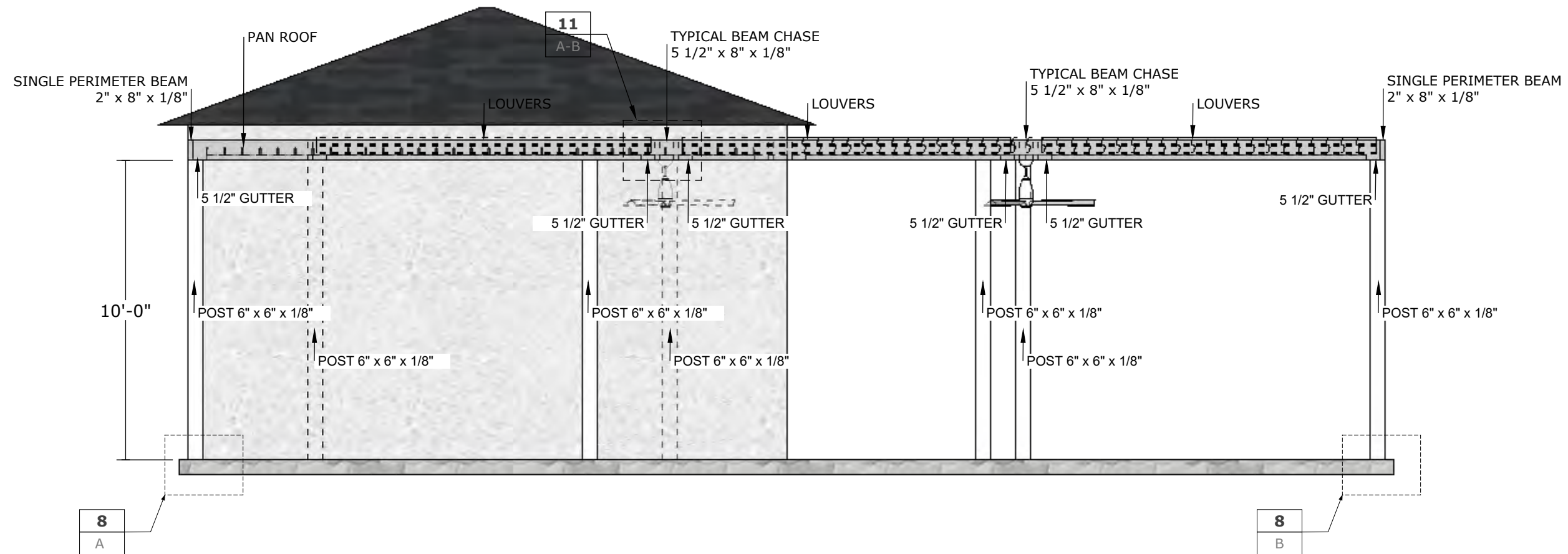
PAGE NAME:
SIDE ELEVATION

PAGE #:
A103
ALUMINIUM TYPE:
LOUVERS 6063-T5
ALL OTHER COMPONENTS 6063-T6



3 :: SIDE ELEVATION
::Scale: 3/16" = 1'-0"

HOLA TACOS



8
A

8
B

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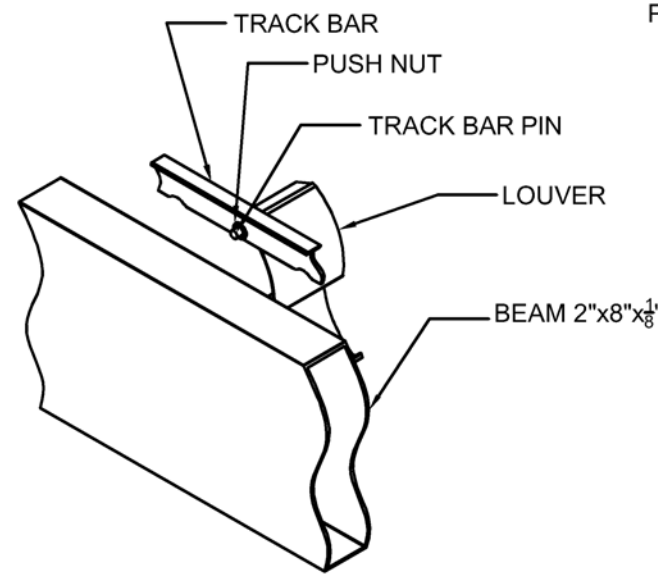
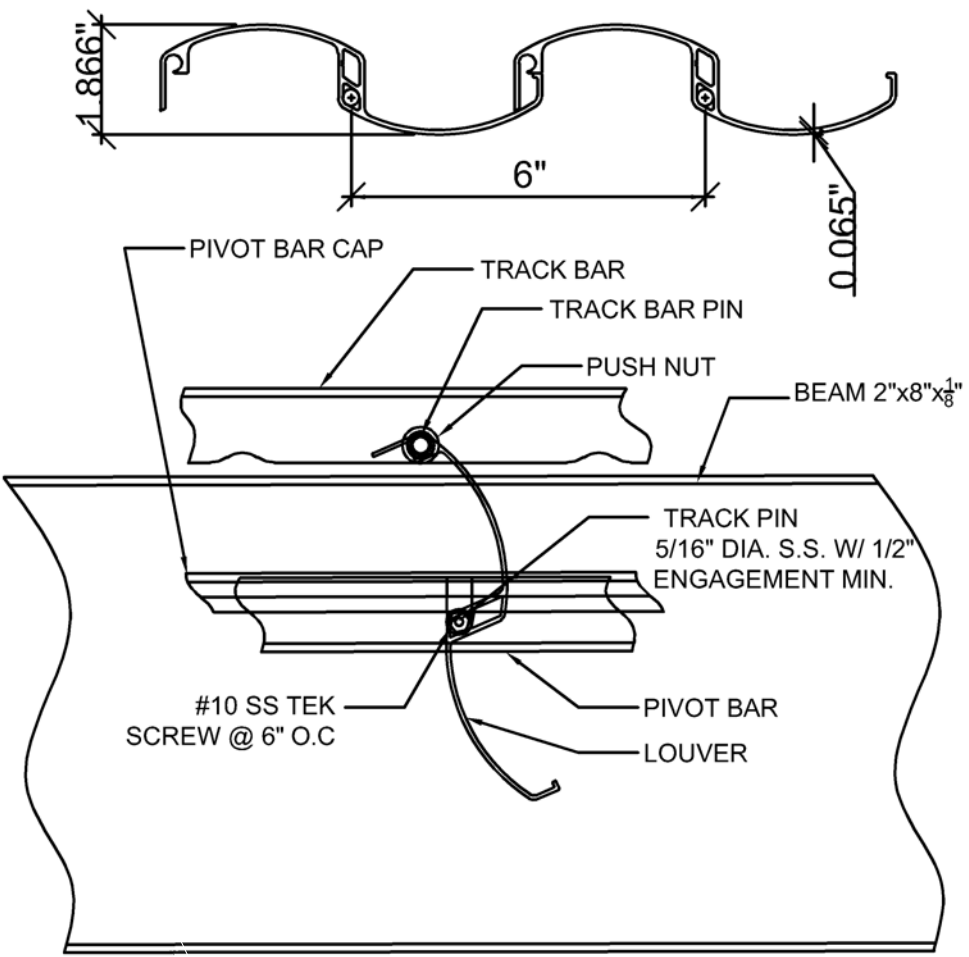
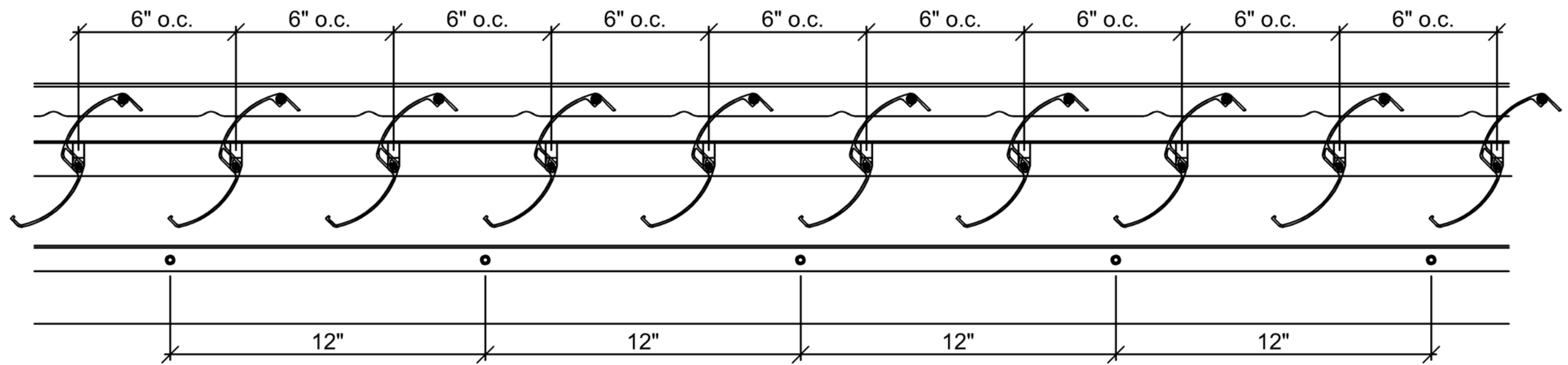
ADDRESS
12102 MADISON AVE,
LAKEWOOD, OH 44107

PROJECT #: 7056	DRAWING #: 4
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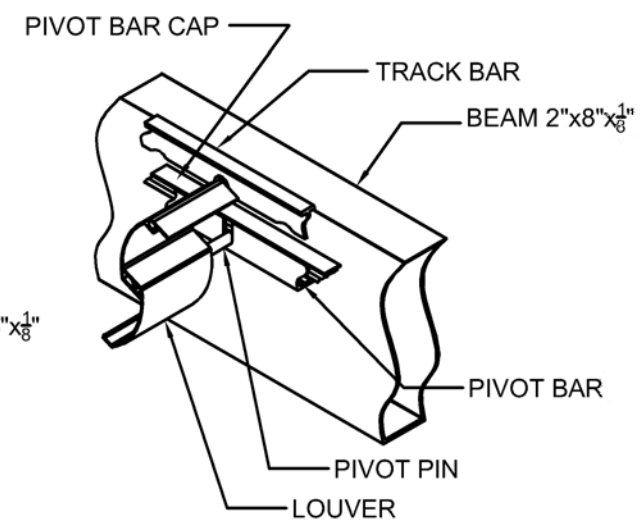
PAGE NAME:
FRONT ELEVATION

PAGE #:
A104
ALUMINIUM TYPE:
LOUVERS 6063-T5
ALL OTHER COMPONENTS 6063-T6

4 :: FRONT ELEVATION
::Scale: 3/16" = 1'-0"



ISOMETRIC OUT-SIDE VIEW



ISOMETRIC IN-SIDE VIEW

5 :: **LOUVER DETAIL -STANDARD VIEWS**
A
scale: <Scale>

5 :: LOUVER DETAIL
::Scale: 3/16" = 1'-0"

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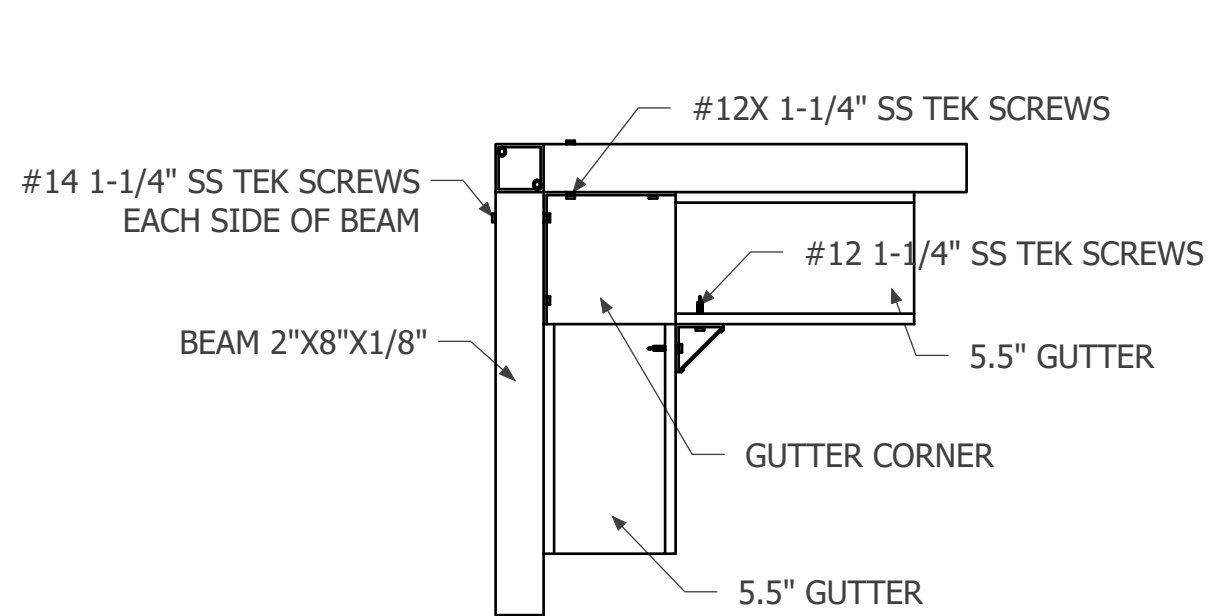
DATE ISSUED:
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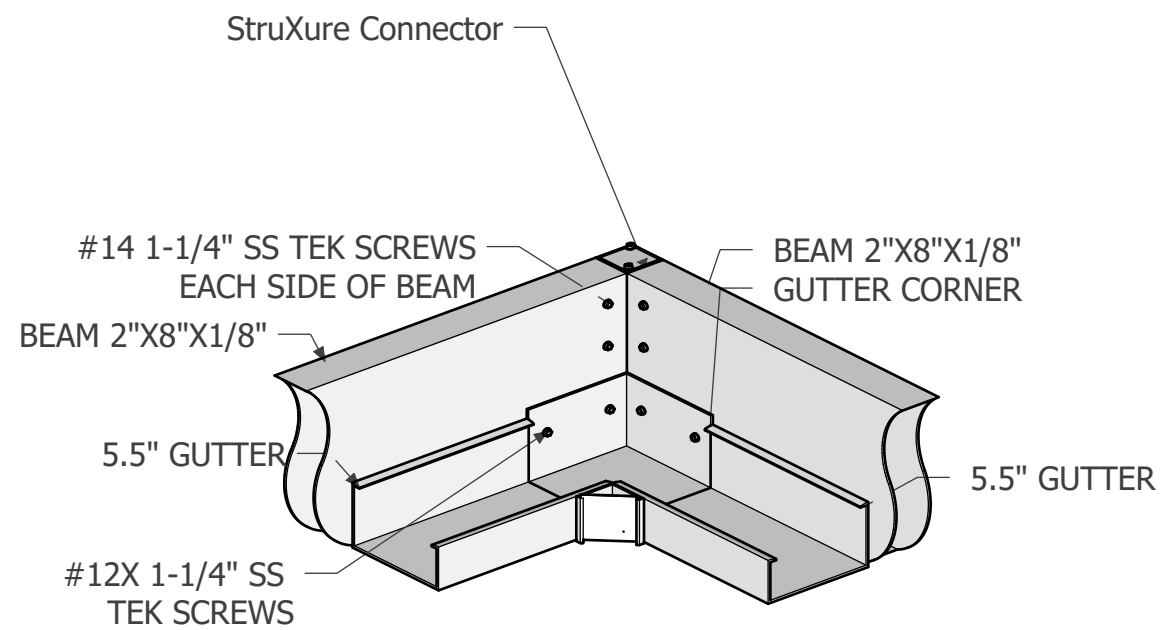
PROJECT #: 7056	DRAWING #: 5
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PAGE NAME:
LOUVER DETAIL

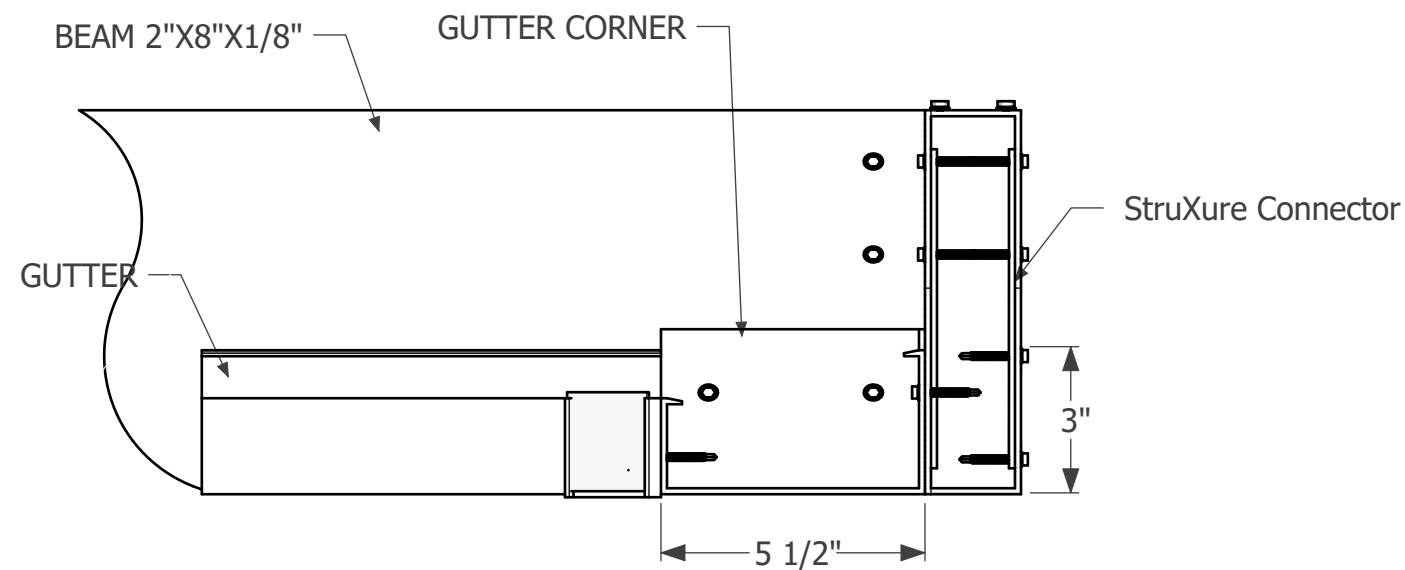
PAGE #:
A105
ALUMINIUM TYPE:
LOUVERS 6063-T5
ALL OTHER COMPONENTS 6063-T6



6 :: **GUTTER DETAIL - TOP VIEW**
 A scale: 1 1/2" = 1'-0"



6 :: **GUTTER DETAIL - ISOMETRIC VIEW**
 B scale: 1 1/2" = 1'-0"



6 :: **GUTTER DETAIL - SIDE VIEW**
 C scale: 3" = 1'-0"

6 :: GUTTER DETAIL
 :: Scale: 3" = 1'-0"

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PROJECT #: 7056	DRAWING #: 6
--------------------	-----------------

PAGE NAME:
 GUTTER DETAIL

PAGE #:
 A106

ALUMINIUM TYPE:
 LOUVERS 6063-T5
 ALL OTHER COMPONENTS 6063-T6

HOLA TACOS

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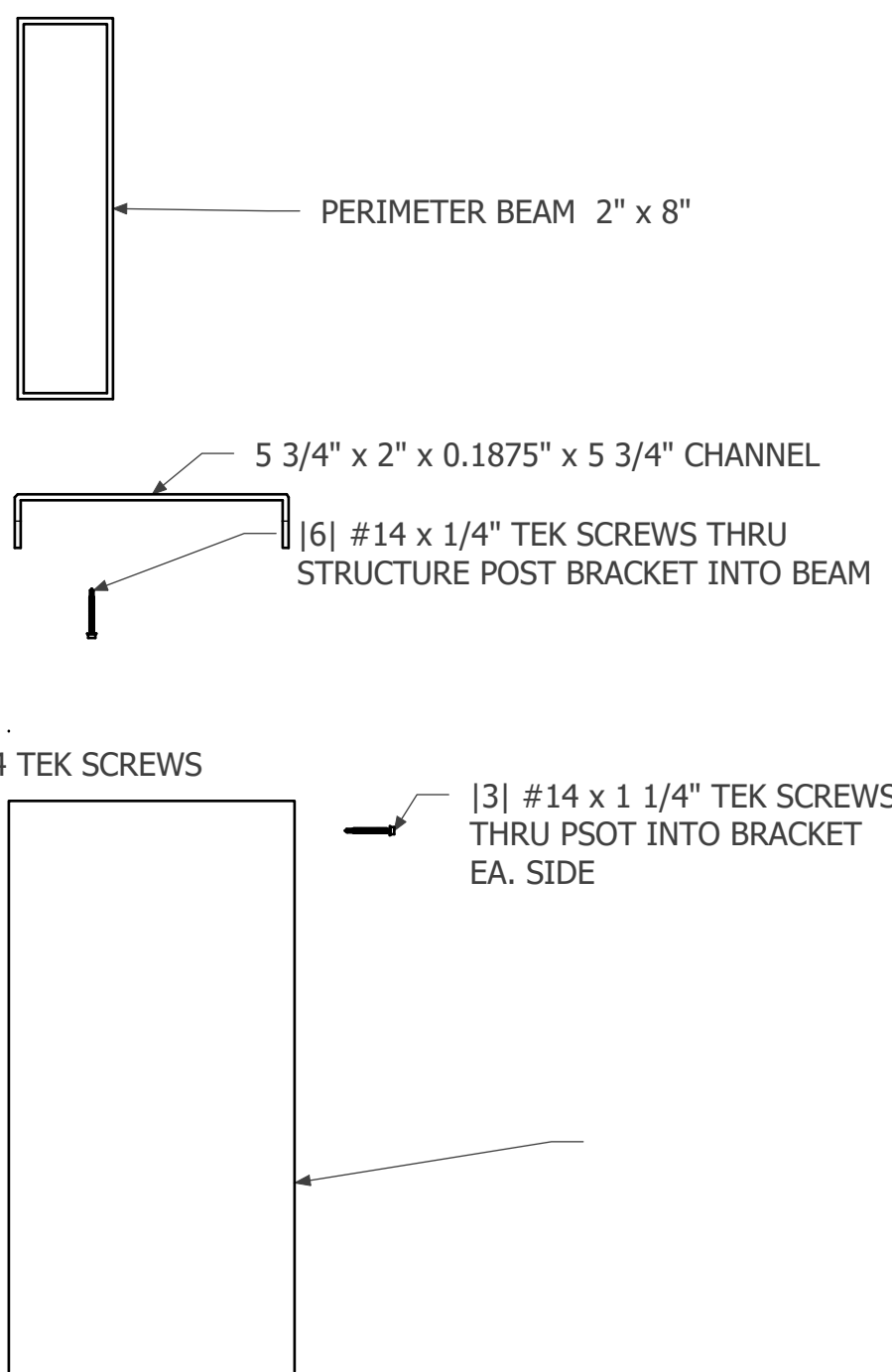
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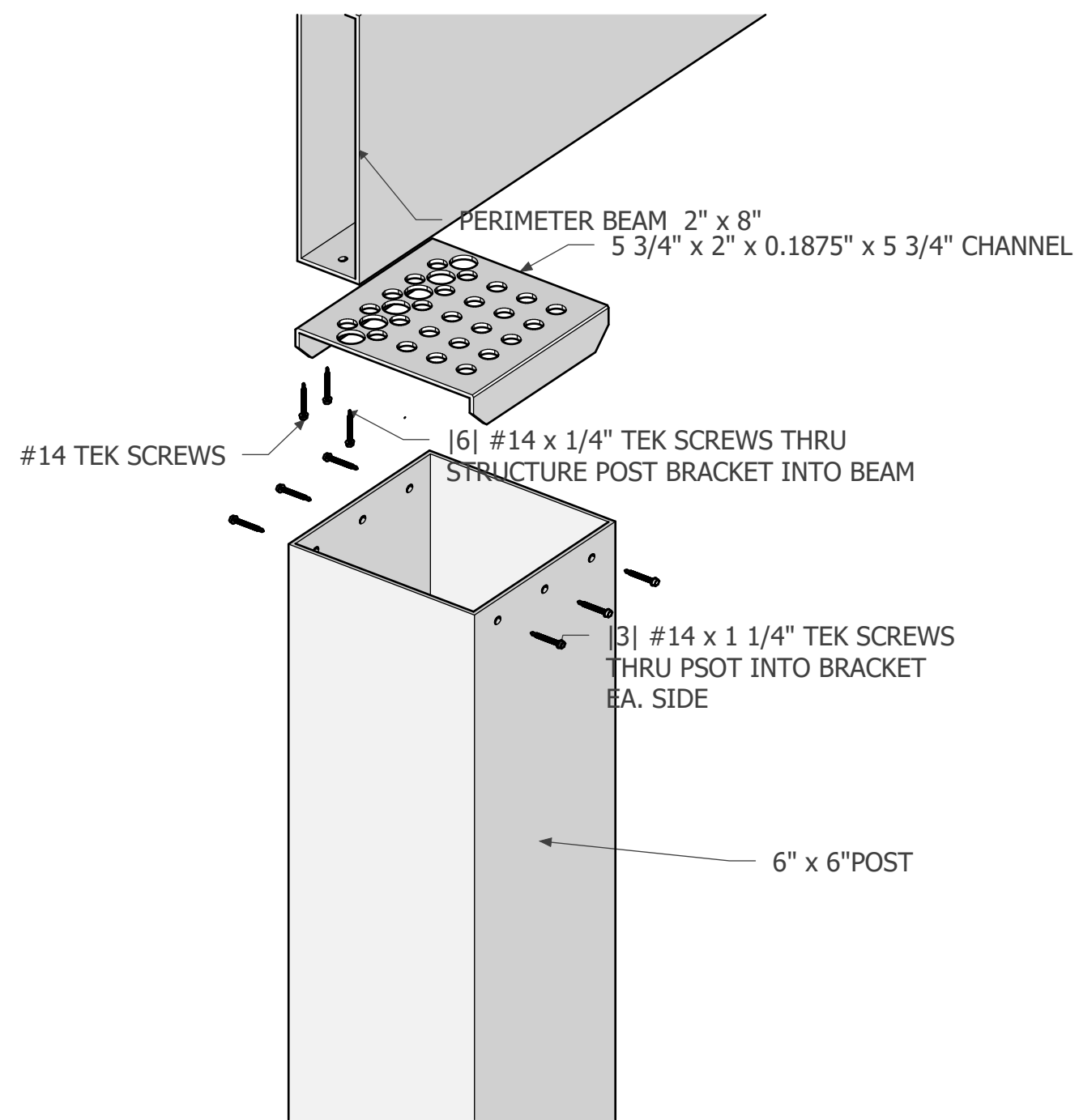
PROJECT #: 7056	DRAWING #: 7
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PAGE NAME:
POST DETAIL

PAGE #:
A107
ALUMINIUM TYPE:
LOUVERS 6063-T5
ALL OTHER COMPONENTS 6063-T6



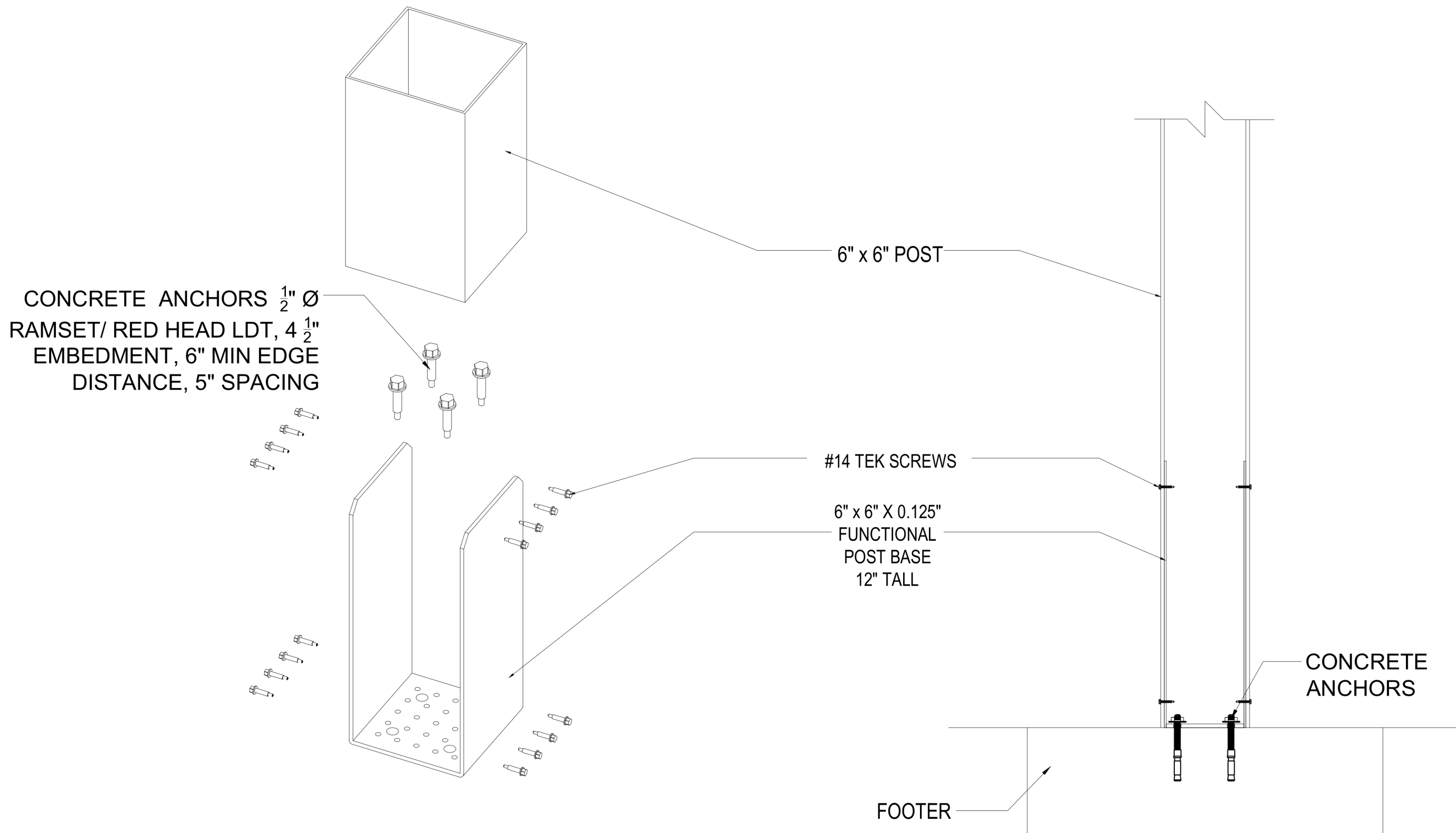
7 :: **POST DETAIL - FRONT VIEW**
A
scale: 3" = 1'-0"



7 :: **POST DETAIL - ISOMETRIC VIEW**
B
scale: 3" = 1'-0"

7 :: POST DETAIL

HOLA TACOS



8 :: **FOOTER DETAIL - ISOMETRIC VIEW**
A

8 :: **FOOTER DETAIL - FRONT VIEW**
B

8 :: FOOTER DETAIL
::Scale: 3/16" = 1'-0"

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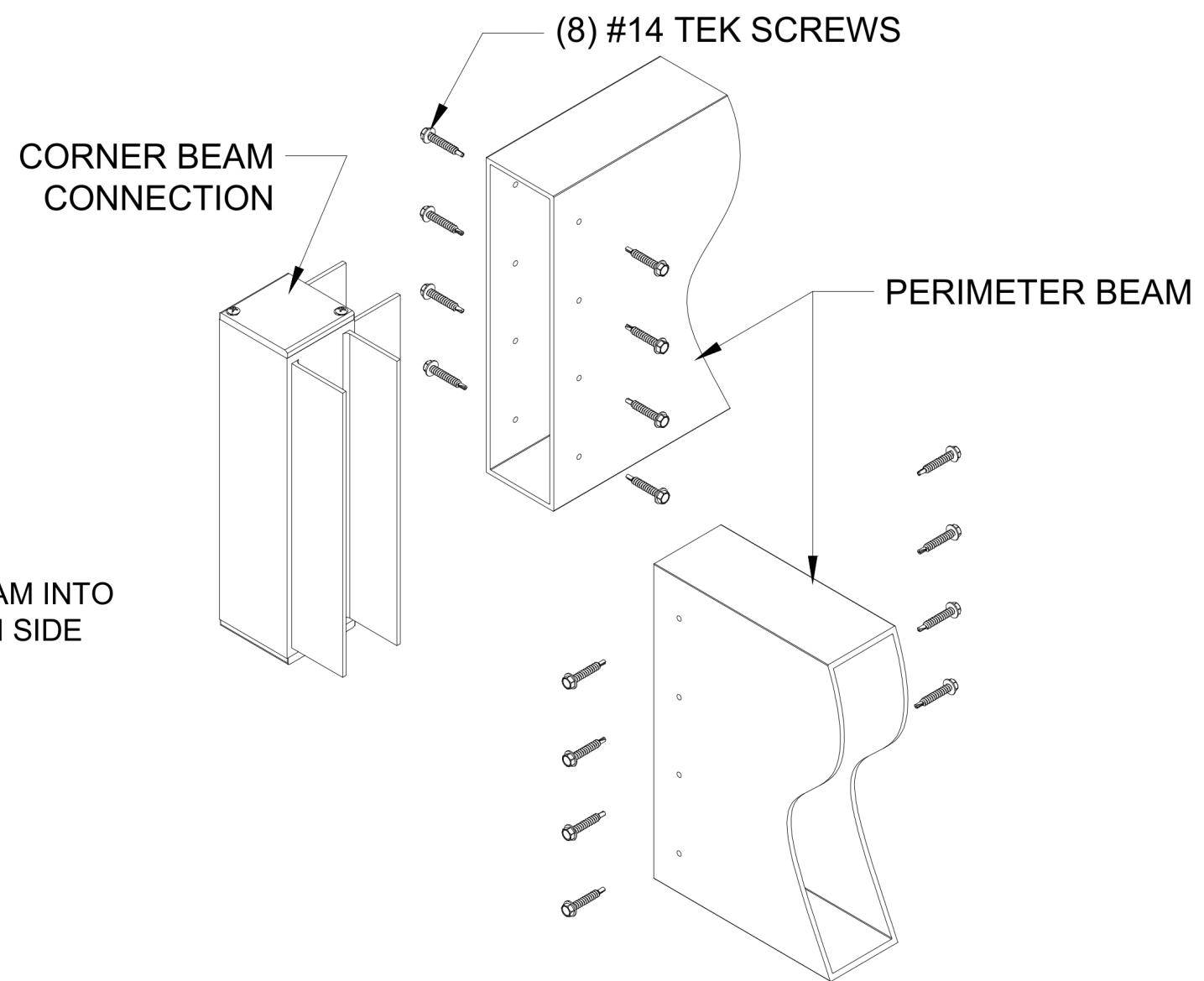
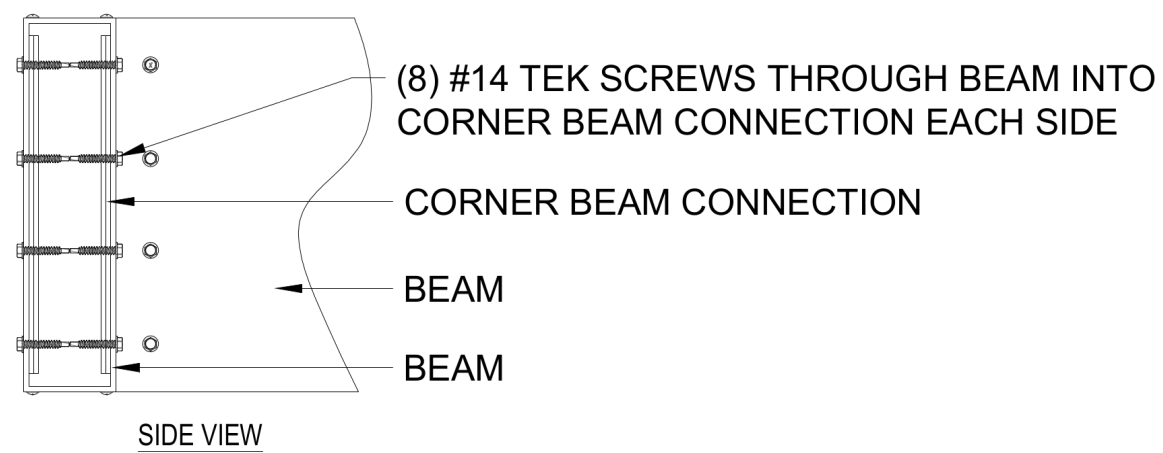
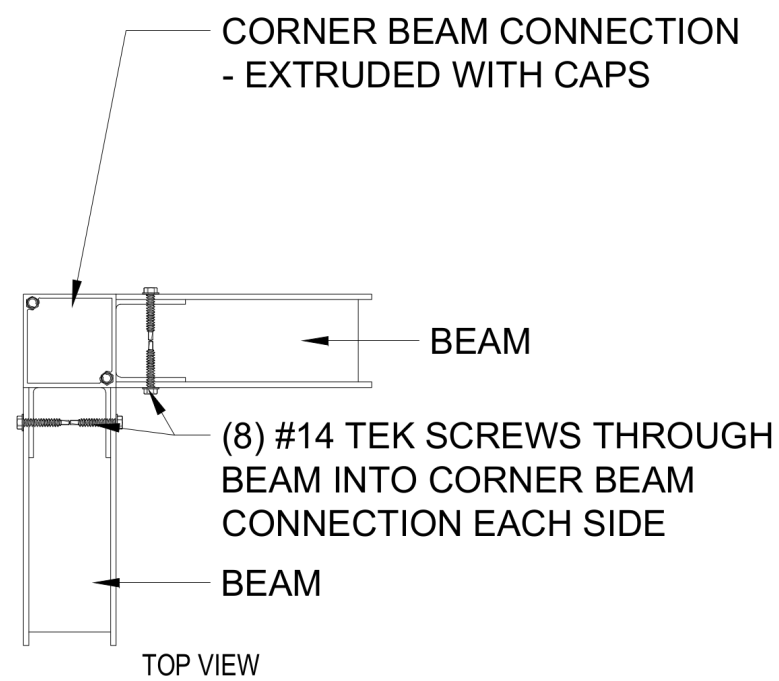
DATE ISSUED:
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PROJECT #: 7056	DRAWING #: 8
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PAGE NAME:
FOOTER DETAIL

PAGE #:
A108
ALUMINIUM TYPE:
LOUVERS 6063-T5
ALL OTHER COMPONENTS 6063-T6



TYPICAL CORNER ASSAMBLEY - VIEWS

9
A

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PROJECT #: 7056	DRAWING #: 9
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PAGE NAME:
DETAIL

PAGE #:
A109
ALUMINIUM TYPE:
LOUVERS 6063-T5
ALL OTHER COMPONENTS 6063-T6

9 :: DETAIL
::Scale: 3/16" = 1'-0"

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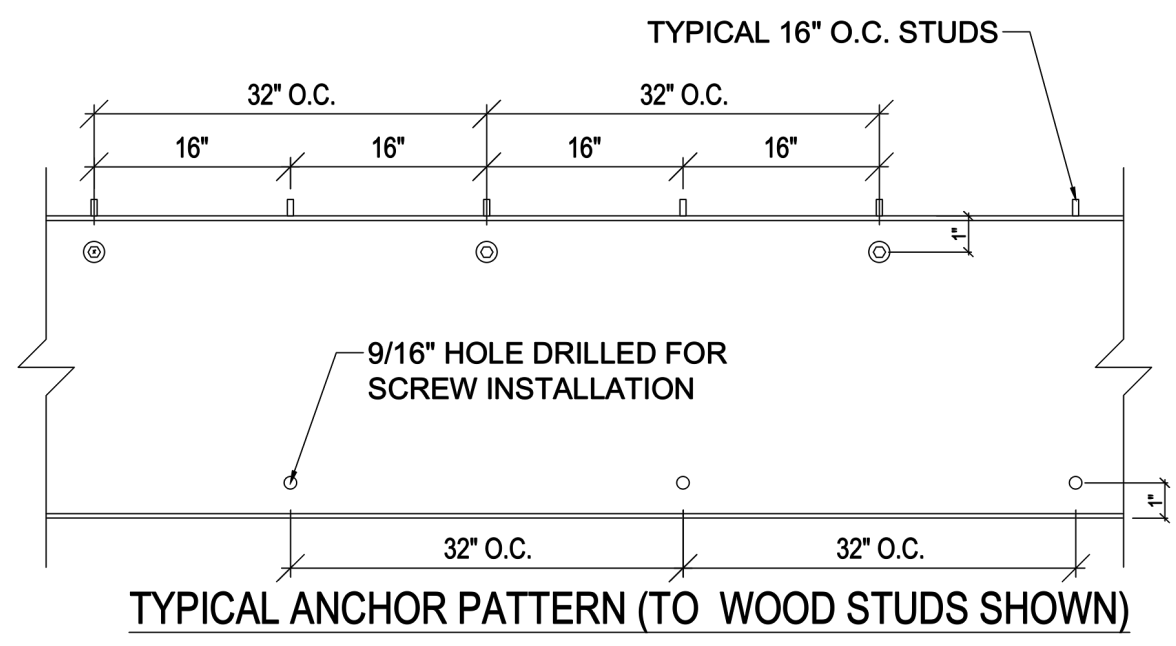
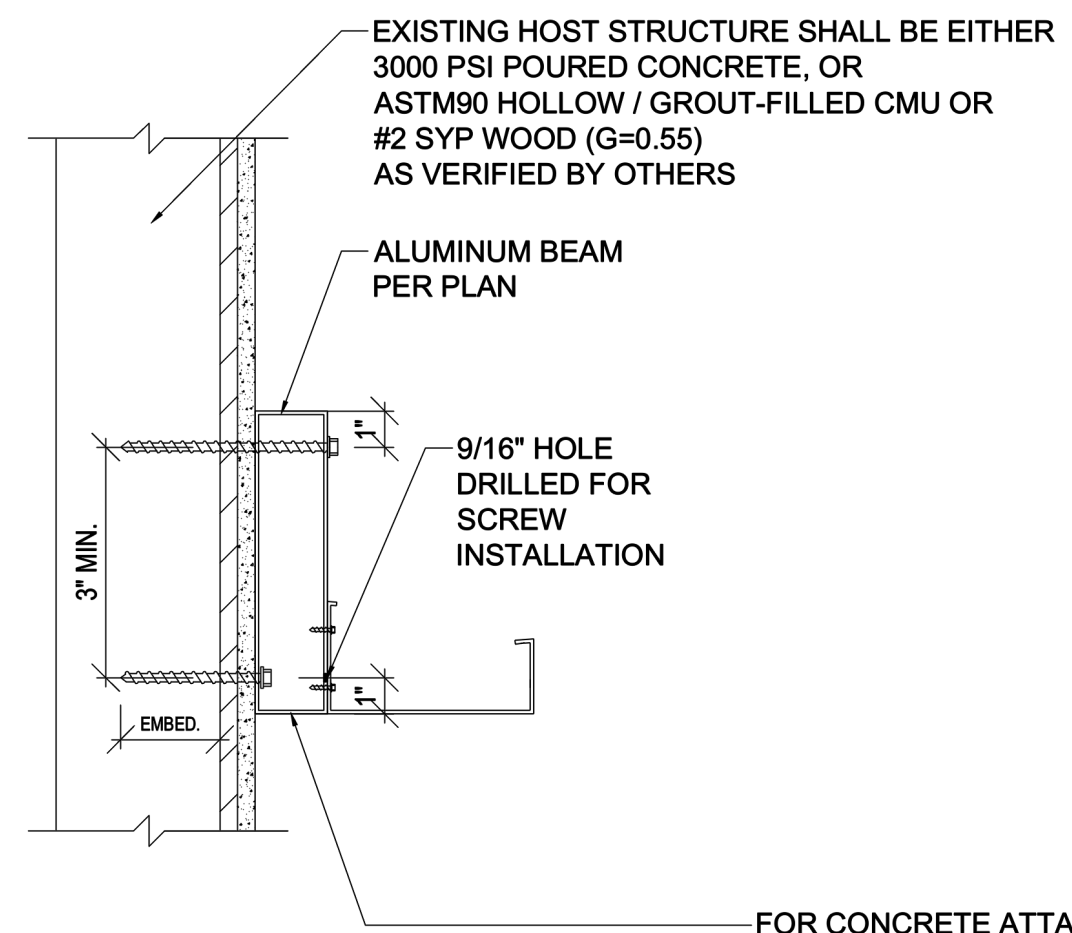
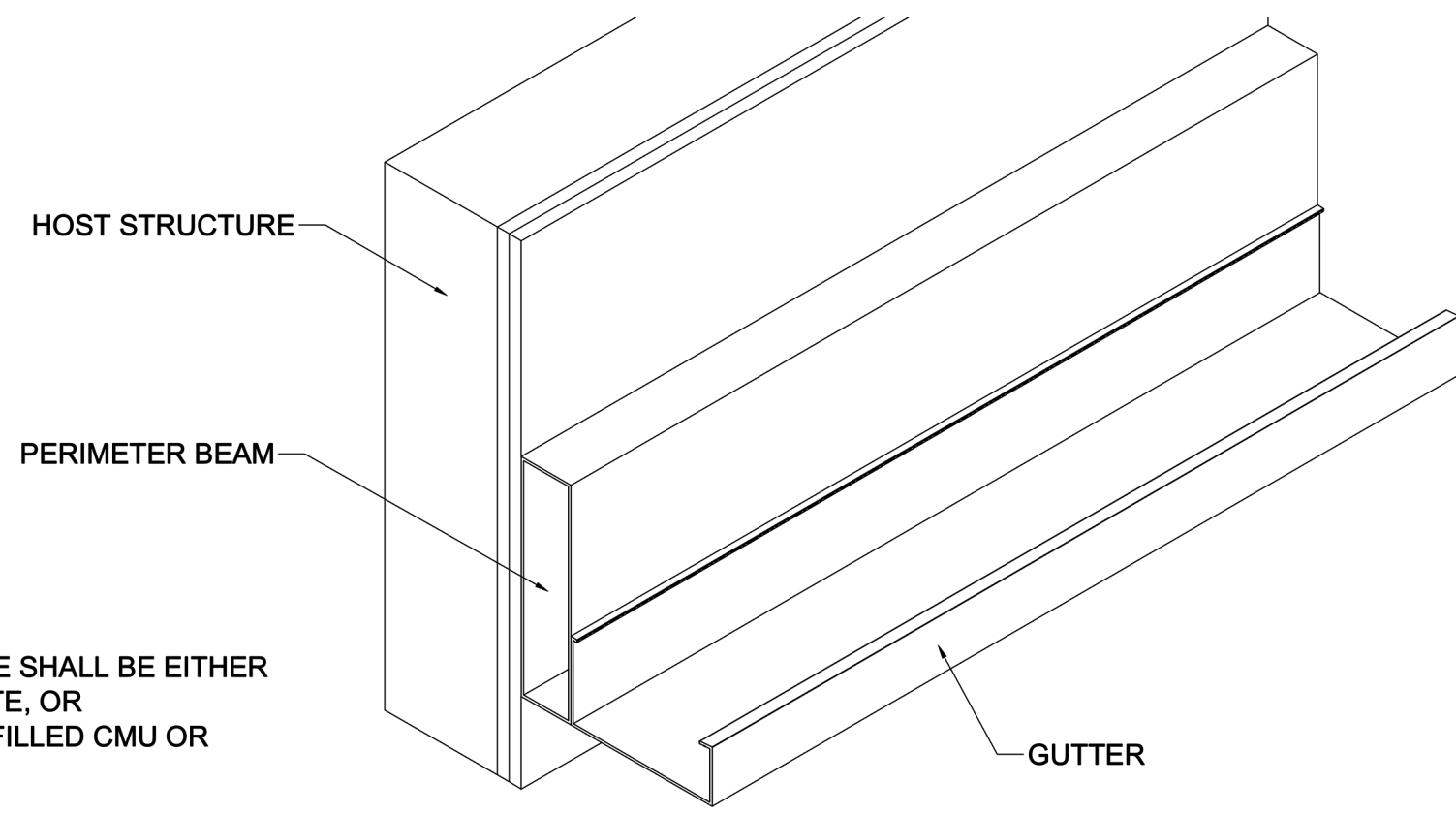
DATE ISSUED:
February 18, 2024

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PROJECT #: 7056	DRAWING #: 10
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PAGE NAME:
DETAIL

PAGE #:
A110
ALUMINIUM TYPE:
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ALL OTHER COMPONENTS 6063-T6

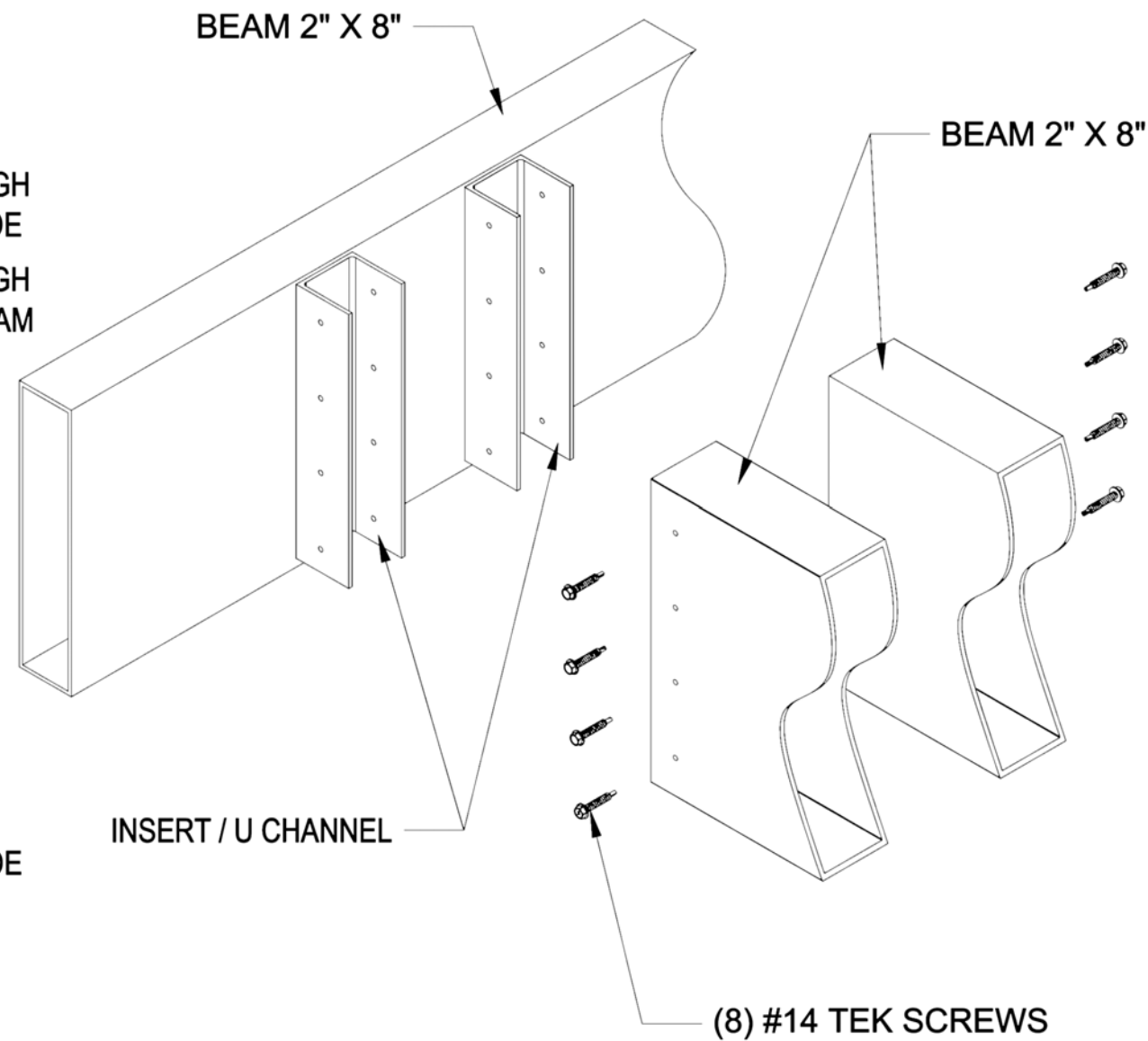
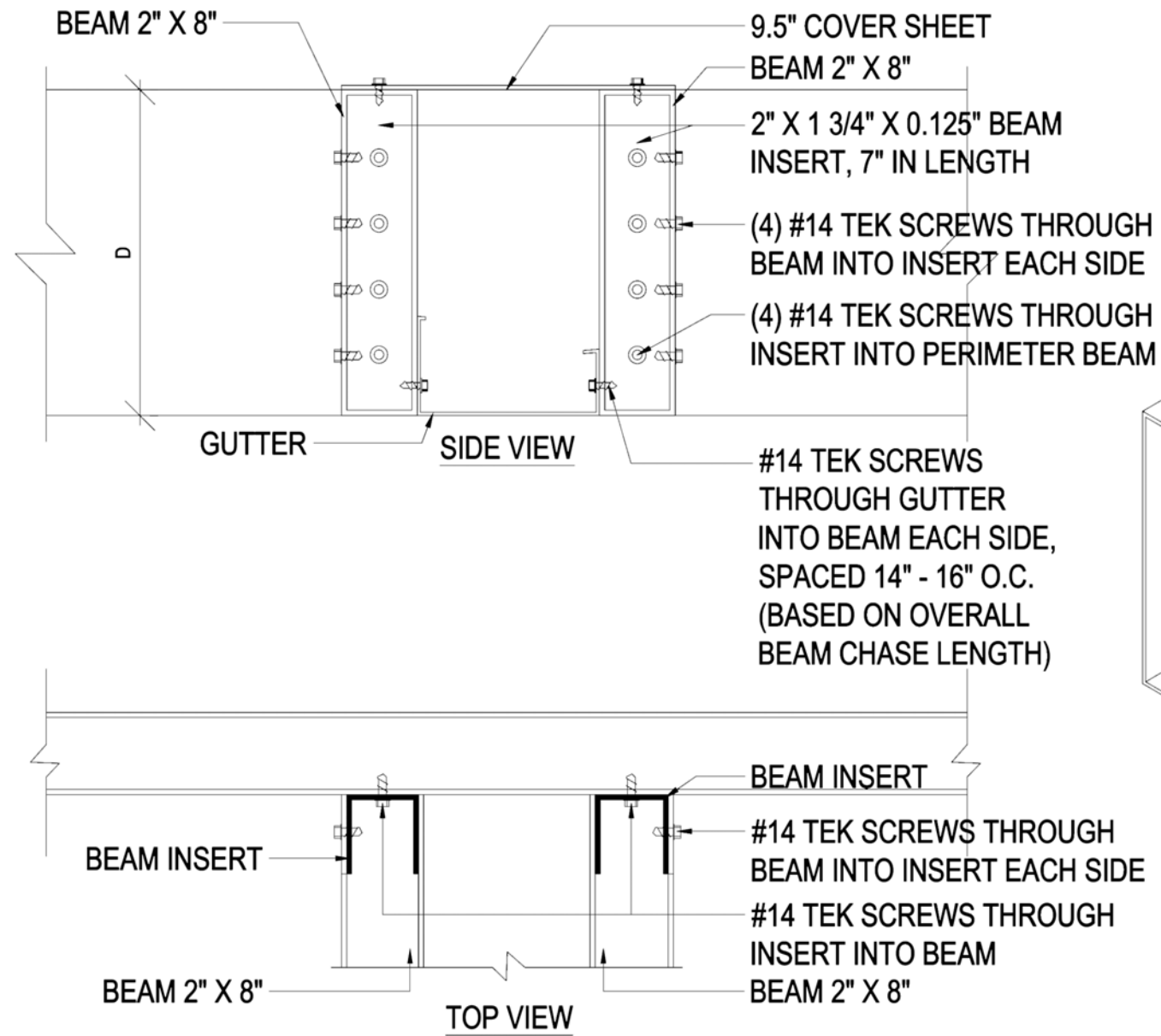


BEAM TO HOST STRUCTURE CONNECTION

FOR CONCRETE ATTACHMENT:
[2] 1/4" DIAM. ITW STAINLESS STEEL TAPCON INTO WALL W/ 3" EMBEDMENT AND 3" EDGE DISTANCE, SPACED 12" O.C. STAGGERED

FOR WOOD ATTACHMENT:
[2] 1/4" DIAM. S.S. WOOD LAG SCREWS INTO WALL W/ 3" THREAD ENGAGEMENT AND 3/4" MINIMUM EDGE DISTANCE, SPACED 16" O.C. STAGGERED

FOR HOLLOW CMU ATTACHMENT:
[2] 1/4" DIAM. S.S. HILTI KWIK-CON II+ INTO BLOCK FACE W/ 1-3/4" EMBEDMENT AND 3" MINIMUM EDGE DISTANCE, SPACED 12" O.C. STAGGERED



11 :: **DETAIL - FRONT VIEW**

A

11 :: **DETAIL - ISOMETRIC**

B

TYPICAL BEAM CHASE

11 :: DETAIL
 ::Scale: 3/16" = 1'-0"

HOLA TACOS

PRESENTED BY:
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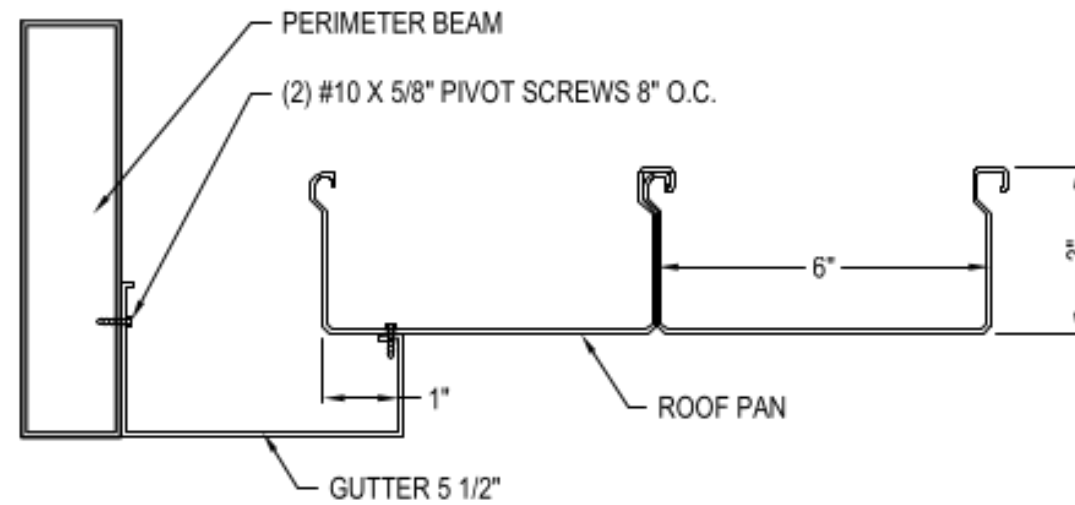
DATE ISSUED:
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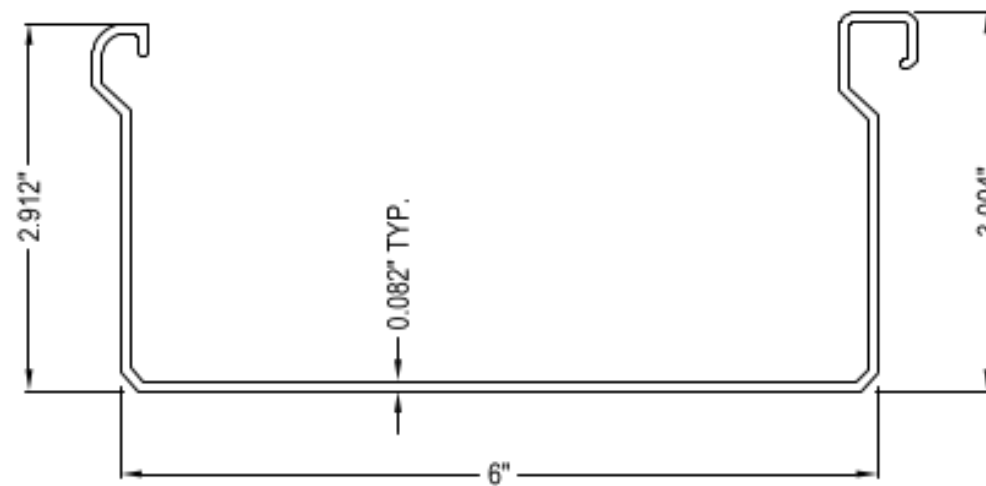
PROJECT #: 7056 DRAWING #: 11

PAGE NAME:
 DETAIL

PAGE #:
 A111
 ALUMINIUM TYPE:
 LOUVERS 6063-T5
 ALL OTHER COMPONENTS 6063-T6



GUTTER TO ROOF PAN ATTACHMENT DETAIL



SELF MATING FLAT ROOF PAN

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 4875-195

PRESENTED BY:
KAUFFMAN LAWN FURNITURE

4574 US-62
MILLERSBURG, OH 44654

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DATE ISSUED:
February 18, 2024

ADDRESS
12102 MADISON AVE,
LAKEWOOD, OH 44107

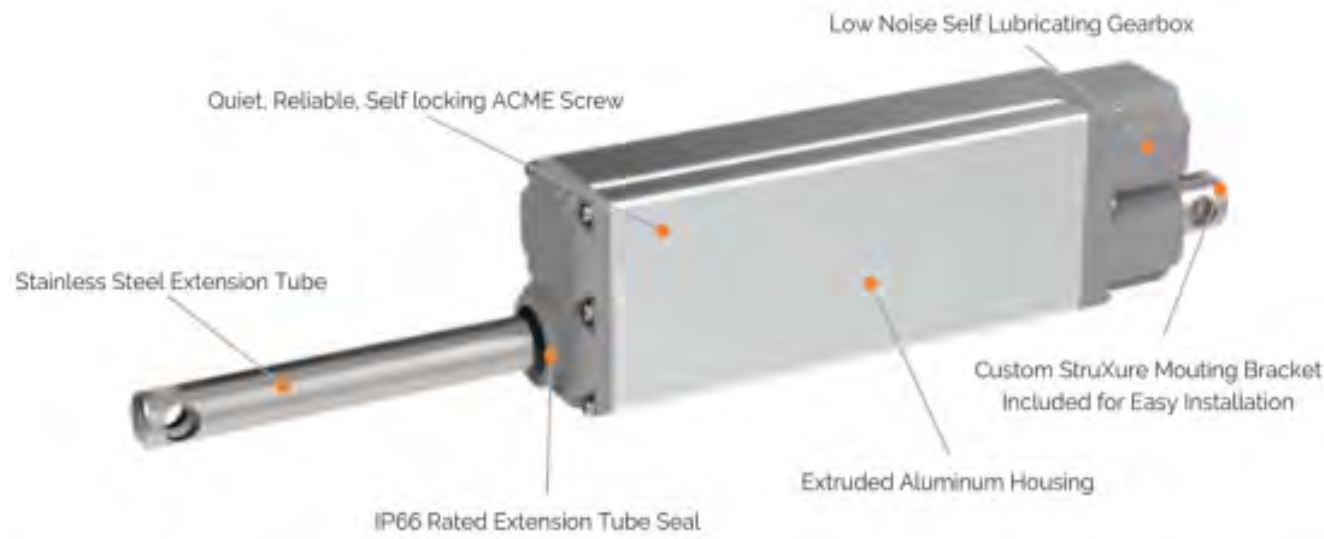
PROJECT #: 7056	DRAWING #: 12
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PAGE NAME:
DETAIL

PAGE #:
A112

ALUMINIUM TYPE:
LOUVERS 6063-T5
ALL OTHER COMPONENTS 6063-T6

LOUVERED ROOF MOTOR



SOMFY TECHNICAL SPECIFICATIONS

SOMFY TECHNICAL SPECIFICATIONS		
VOLTAGE		
Input Voltage	[VDC]	24
LOAD		
Static Load (Fx), max.	[N/lbs]	2500 / 562
Dynamic Load (Fx), max.	[N/lbs]	2500 / 562
STROKE		
Stroke length, standard	[mm]	140
CURRENT		
Current consumption, rated load	[A]	1.875
GENERAL DATA		
Speed, no load	[mm/s]	3.4
Speed, rated load	[mm/s]	2.8
Operating temperature limits	[°C]	-10/+60
Service life	[Cycles]	± 10,000
Sound level	[dB(A)]	≤ 70
Lead screw type		ACME
Protection Class		IP66
Certificates		CE (EN60601-1)
Insulation		CLASS III

LOUVERED PERGOLA CONTROL



*Product dimensions: 10.59 x 8.59 x 6.96 in. / 268.99 x 218.19 x 176.78 mm

** Enclosure must be mounted in this vertical orientation.

COMPONENT RATINGS AND CERTIFICATIONS

COMPONENT RATINGS AND CERTIFICATIONS		
POWER SUPPLY		
Input Voltage	[VAC]	115/230
Input Voltage Frequency Range	[Hz]	47 - 63
Output Voltage	[VDC]	24
Voltage Adjustable Range	[VDC]	21.6 - 28.8V
Current Range	[A]	0 - 14.6
Rated Power	[W]	350.4
Safety Standard	[UL Certification]	UL60950-1
POWER SUPPLY CABLE (NOT SHOWN)		
Safety Standard	[ETL Certification]	#3170291
Voltage Rating	[V]	300
Temperature Rating	[°F]	-40 to 158
ENCLOSURE		
Safety Standard	[UL Certification]	UL508A
	[File Number]	E352997
Temperature Range	[°F]	-40 to 257
Impact Resistance	[in/lb]	500
Dielectric Strength	[volts/mil]	380
UV Rating	[UL Certification]	UL 746C
Flammability Rating	[UL Certification]	UL 94

HOLA TACOS

PRESENTED BY:
KAUFFMAN LAWN FURNITURE

4574 US-62
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PROJECT #: 7056	DRAWING #: 13
--------------------	------------------

PAGE NAME:
DETAIL

PAGE #:
A113
ALUMINIUM TYPE:
LOUVERS 6063-T5
ALL OTHER COMPONENTS 6063-T6

13 :: DETAIL
::Scale: 3/16" = 1'-0"



PARKING
ON
HOPKINS

HOLA
TACOS

HOLA
Tacos



CERVEZA

Refresh
yourself

COCONUT
MARGARITA





**BOARD OF BUILDING STANDARDS
ARCHITECTURAL REVIEW BOARD
SIGN REVIEW BOARD**

12650 Detroit Avenue • (216) 529-6630 • FAX (216) 529-5907 • www.lakewoodoh.gov

Application Cover Page

Docket No.: 03-17-24

Permit No.: BBS24-000015

Applicant Name: Eric Schneider, Fogel/Stenzel Architects Inc.

Project Address: 18228 Sloane Ave.

Project Name: HELP Foundation

Project: Applicant proposes the remodeling and addition to an existing Vocational Training Center.

PLEASE NOTE

This Site Plan Survey was prepared without the benefit of a current title commitment. Therefore, the Riverstone Company cannot determine if any easements, restrictions and reservations affect the subject property. If the Riverstone Company is provided with the title commitment, a revised survey map will be provided at Riverstone's hourly fee schedule.

2 WORKING DAYS BEFORE YOU DIG
 CALL TOLL FREE 800-362-2764 or 811
 OHIO UTILITIES PROTECTION SERVICE
 O.U.P.S. Reference No. A330601849
 Date: November 2, 2023

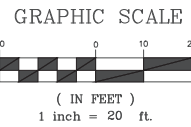
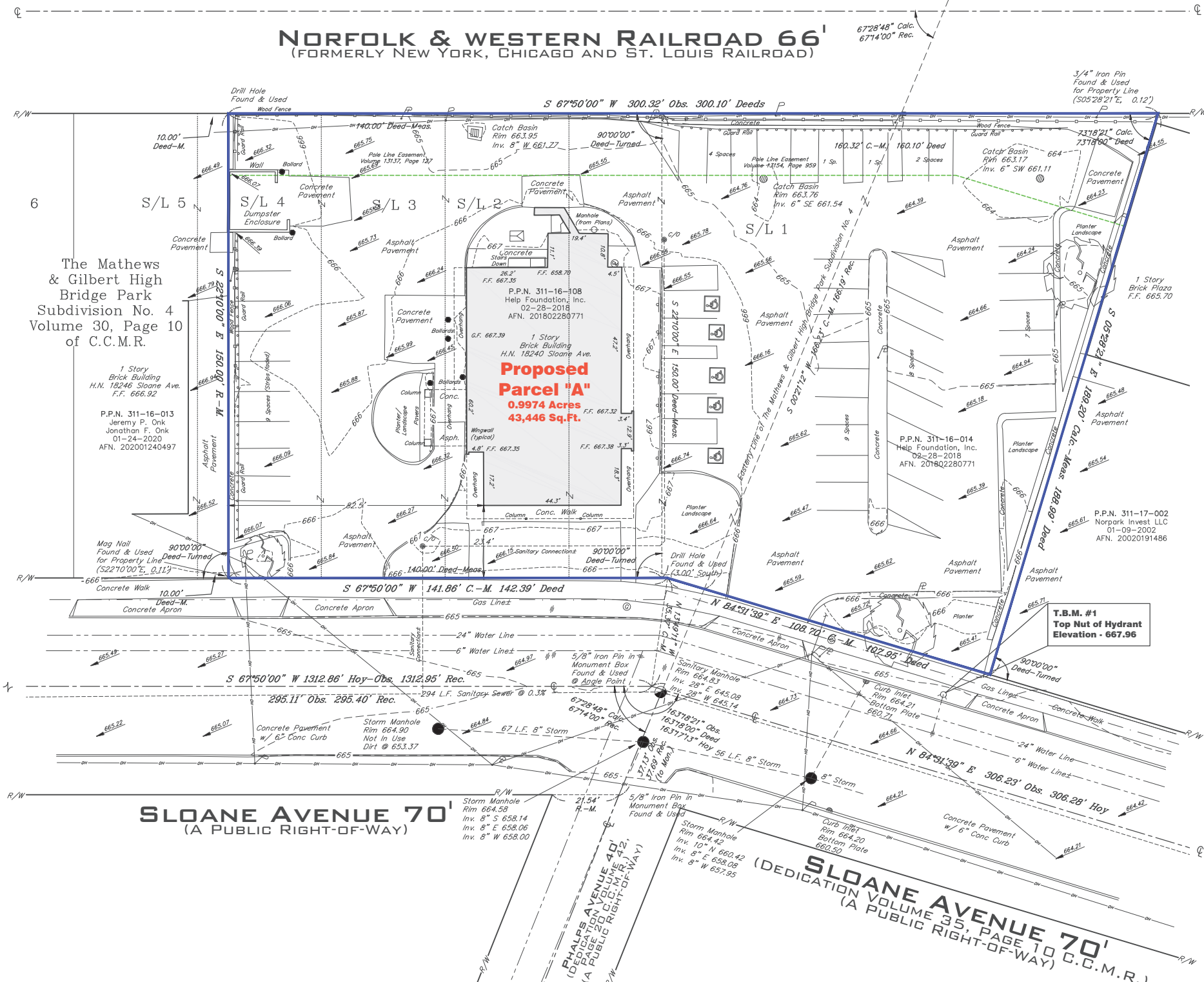
SITE PLAN SURVEY
 OF
18240 SLOANE AVENUE
P.P.N. 311-16-014
P.P.N. 311-16-108
 FOR
HELP FOUNDATION INC.

Situated in the City of Lakewood, County of Cuyahoga and State of Ohio and known as being all of Sublot Nos. 1, 2, 3 and part of Sublot No. 4 in the Mathews & Gilbert High Bridge Park Subdivision No. 4, as shown by the plat recorded in Volume 30, Page 10 of Cuyahoga County Map Records and part of the Original Rockport Township Lot No. 23.

LEGEND

○ = Monument Box Found	○ = Existing Spot Elevation Tag
● = Iron Pin Found	○ = Proposed Spot Elevation Tag
○ = Iron Pipe Found	○ = Hydrant
○ = 5/8"x30" Iron Pin Set	○ = Stand Pipe
○ = Drill Hole Set / Found	○ = Water Service Valve
○ = Mag Nail Set / Found	○ = Water Line Valve
○ = Gas Meter	○ = Water Meter
○ = Gas Valve / Shut Off	○ = Water Manhole
○ = Utility Pole	○ = Sanitary Manhole
○ = Light Pole	○ = Clean Out
○ = Traffic Pole	○ = Unknown Manhole
○ = Ground Light	○ = Storm Manhole
○ = Guy Anchor & Line	○ = Catch Basin
○ = Flag Pole	○ = Yard Basin
○ = Electric Meter	○ = Curb Inlet
○ = Electric Manhole	○ = Trench Drain
○ = Electric Box	○ = Sign Post
○ = Transformer	○ = Traffic Flow/Access
○ = Air Conditioning Unit	○ = Ballot
○ = Telephone Box / Manhole	○ = Handicap Parking
○ = Cable Box / Manhole	○ = Monitoring Well
○ = Traffic Control Box	○ = Centerline
○ = Tree	○ = Property Line
○ = Encroachments	○ = Easement No.
○ = Violations	

Parcel / Sublot line	---
Original Parcel / Sublot Line	---
Original Lot / Section Line	---
Centerline	---
Subject Property Line	---
Right-of-way Line	---
Easement Line	---
Waterline	---
Gas Line	---
Overhead Utility Line	---
Electric Line	---
Sanitary Sewer	---
Storm Sewer	---
Telephone Line	---
Railroad Tracks	---
Chain Link Fence	---
Ornamental Fence	---
Split Rail Fence	---
Vinyl Fence	---
Wood Fence	---
Guardrail	---
Tree or Brush Line	---



SURVEYOR CERTIFICATION

CONTRACTOR TO VERIFY BEFORE STARTING CONSTRUCTION:

1. Finished floor elevation & House sizes
2. Location and Elevations of existing utility connections
3. Sidewalks to be 4" thick concrete except at drive apron which is to be 6" thick concrete.
4. Existing sewer connections can only be used if they are in good working condition. The city shall decide on the condition of existing connections.
5. The contractor must obtain a sewer permit from the City of Lakewood, division of Water Pollution Control, before performing the sewer work.

Utility Provider source information from plans provided by the client, the title company and the utility provider and on ground utility markings will be combined with observed evidence of utilities to develop a view of those underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely and reliably depicted.

Dimensions shown on this plan are expressed in feet and decimal parts thereof, all of which I declare to be correct to the best of my knowledge and belief. Bearings are to an assumed meridian and are used to denote angles only.

[Signature]
 Peter J. Gauriloff
 P.S. No. 8646
 January 14, 2024
 Date



REFERENCE SURVEYS

The Mathews & Gilbert High Bridge Park Subdivision No. 4, Volume 30, Page 10 of Cuyahoga County Map Records. (Rec.)
 Plat showing Dedication of East part of Sloane Avenue, Volume 35, Page 10 of Cuyahoga County Map Records. (Rec.)
 Dedication of Phelps Avenue, Volume 42, Page 20 of Cuyahoga County Map Records. (Rec.)
 ALTA/ACSM Land Title Survey by John R. Hoy and Associates, Inc., dated October 2010. (Hoy)

BASIS OF BEARINGS

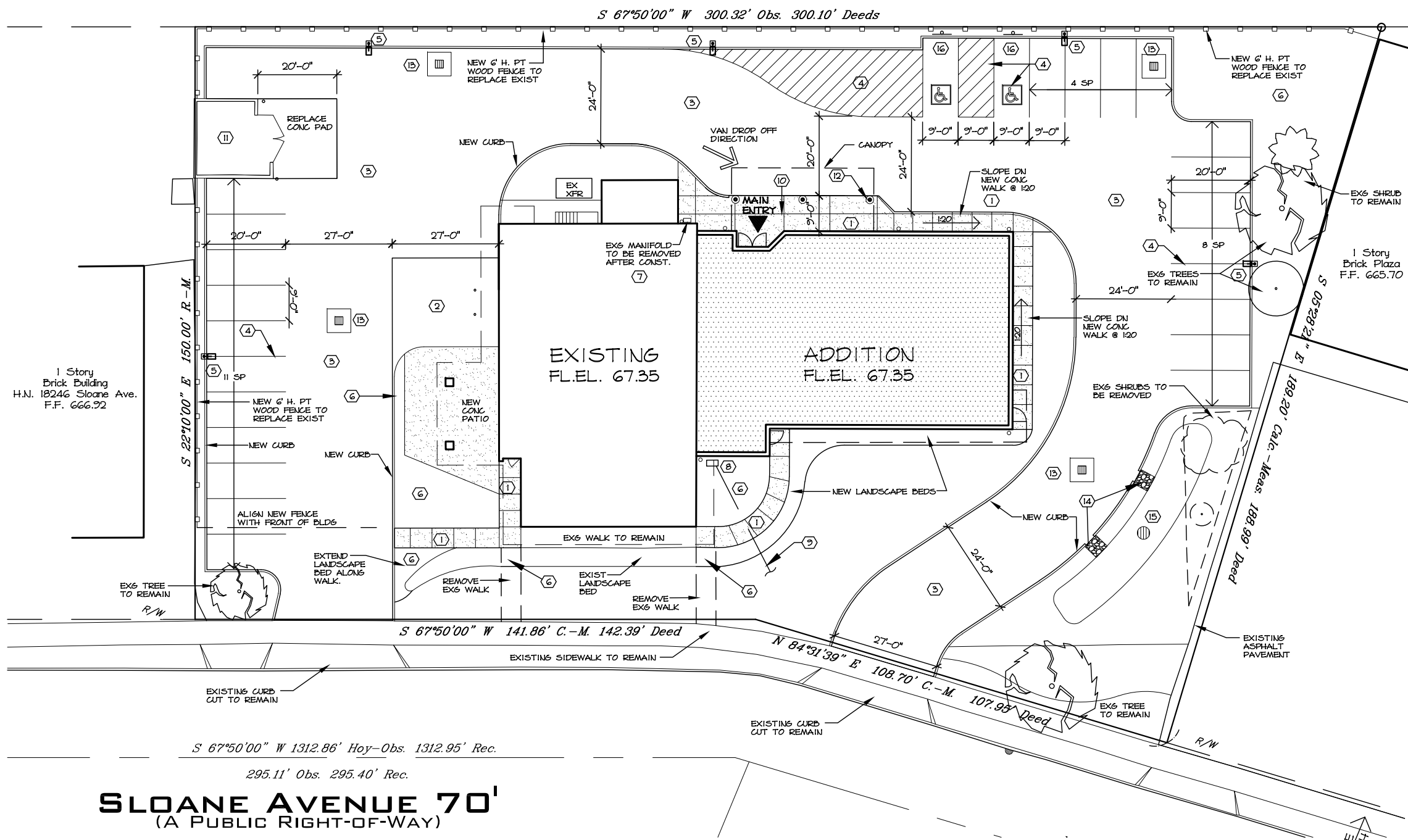
The centerline of Sloane Avenue as South 67°50'00" West as described in the Limited Warranty Deed as recorded in AFN. 201802280771 of Cuyahoga County Deed Records.

DRAWN BY
 RS
APPROVED
 PJG PS 8646



NORFOLK & WESTERN RAILROAD 66'

(FORMERLY NEW YORK, CHICAGO AND ST. LOUIS RAILROAD)



NOTES THIS SHEET

- ① NEW 4" CONCRETE WALK. SEE DETAIL THIS SHEET. 5' WIDE U.O.N. CONTROL JTS AT 5'. EXP JTS @ 30' MAX
- ② NEW 6" CONCRETE PAVEMENT AT LOADING AREA.
- ③ NEW ASPHALT PAVEMENT AND BASE. SEE CIVIL DRAWINGS.
- ④ NEW PARKING SPACE PAINT STRIPING.
- ⑤ NEW POLE, BASE & LIGHT FIXTURE. SEE ELECT DRAWINGS.
- ⑥ NEW LANDSCAPED AREA WITH MULCH AND PLANTINGS.
- ⑦ REMOVE EXISTING GAS METER.
- ⑧ PROVIDE NEW GAS METER COMPLETE WITH PRV AND ALL VALVES AS REQUIRED FOR COMPLETE INSTALLATION.
- ⑨ NEW GAS LINE BY GC TO NEW METER. COORD ROUTING AND CONNECTION TO EXISTING GAS LINE FROM EXISTING VALVE.
- ⑩ SLOPE DOWN CONCRETE PAVEMENT TO MEET ASPHALT PAVING. TAPER FROM END OF CURB TO CORNER OF SLAB.
- ⑪ EXISTING MASONRY DUMPSTER ENCLOSURE AND GATES.
- ⑫ STEEL COLUMN w/ CONG BASE AT CANOPY. TYP OF (3)
- ⑬ NEW CATCH BASINS. SEE CIVIL DRAWINGS.
- ⑭ CURB CUT WITH STONE RIP RAP. SEE CIVIL DRAWINGS.
- ⑮ NEW BIORETENTION CELL. SEE CIVIL DRAWINGS. SEE LANDSCAPE PLAN FOR PLANTINGS.
- ⑯ ADA PARKING SIGN. SEE CIVIL DRAWINGS.

BUILDING & PROJECT DESCRIPTION

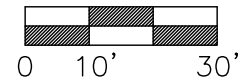
THE BUILDING WILL BE OPERATED BY HELP FOUNDATION AS A DAY SUPPORT & VOCATIONAL TRAINING PROGRAM FOR PERSONS WITH DEVELOPMENTAL DISABILITIES. PROGRAMS WILL SERVE APPROX. 100 CLIENTS WITH A STAFF OF APPROX 12-18. THE BUILDING WILL GENERALLY BE IN OPERATION M-F FROM 8:00 AM TO 5:00 PM. CLIENTS ARE TRANSPORTED TO & FROM THE SITE BY HELP. PARKING IS REQUIRED FOR STAFF ONLY AND LIMITED VISITOR PARKING.

EXISTING BUILDING IS CURRENTLY UTILIZED AS DAY SUPPORT AND VOCATIONAL TRAINING FOR APPROX 50 PERSONS. ADDITION WILL INCREASE CAPACITY FOR BOTH PROGRAMS. EXISTING BASEMENT IS USED FOR STORAGE AND IS PROVIDED WITH A FIRE SPRINKLER SYSTEM.

WORK WILL INCLUDE CONSTRUCTION OF A 4,136 SF ADDITION AND REMODELING OF THE FIRST FLOOR OF THE EXISTING BUILDING.

SLOANE AVENUE 70'
(A PUBLIC RIGHT-OF-WAY)

ARCHITECTURAL SITE PLAN

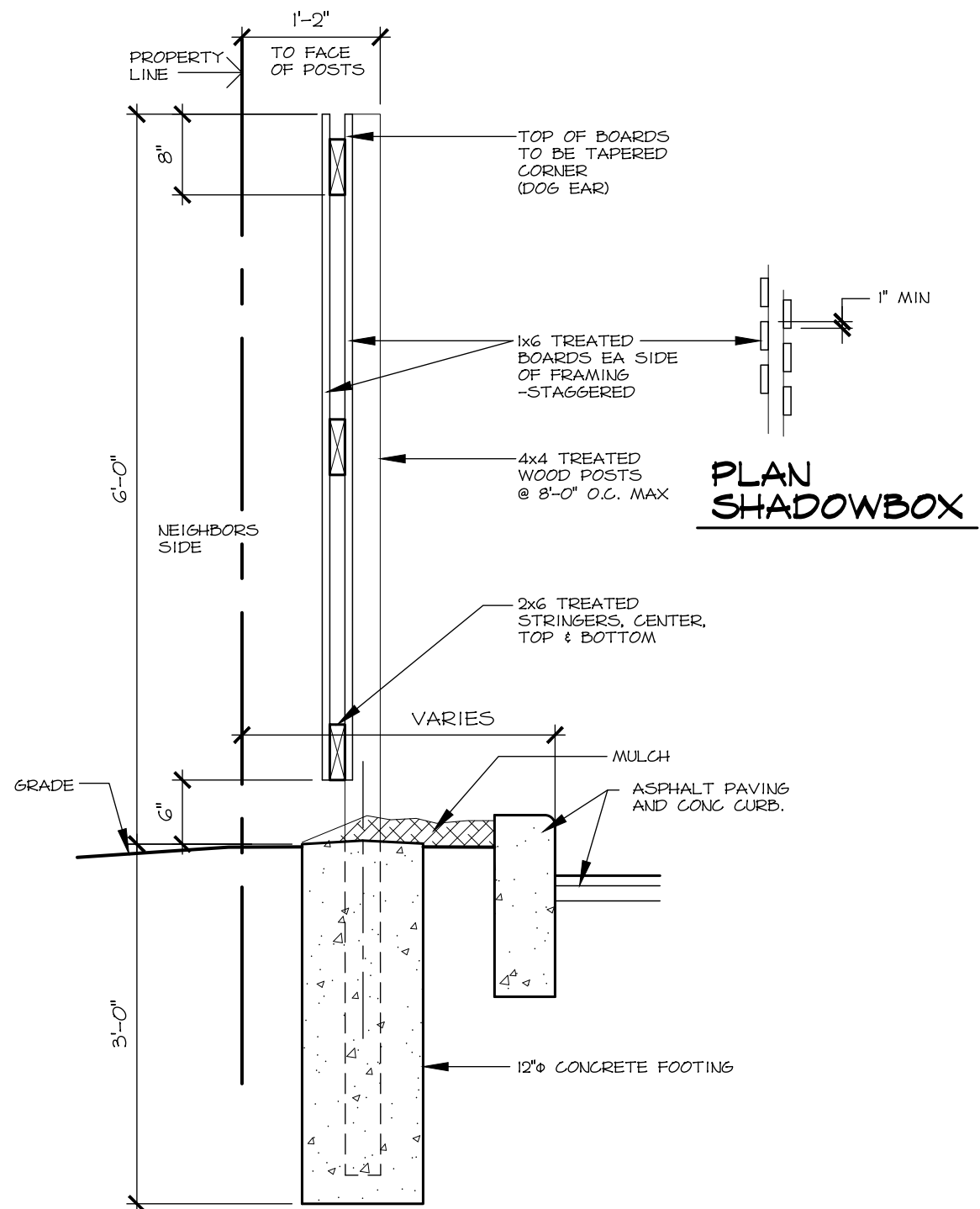


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HELP LAKEWOOD ADDITION AND REMODELING
 18228 SLOAN AVE., LAKEWOOD, OHIO 44107
 FOR
HELP FOUNDATION INC.
 26900 EUCLID AVENUE, EUCLID, OHIO 44132

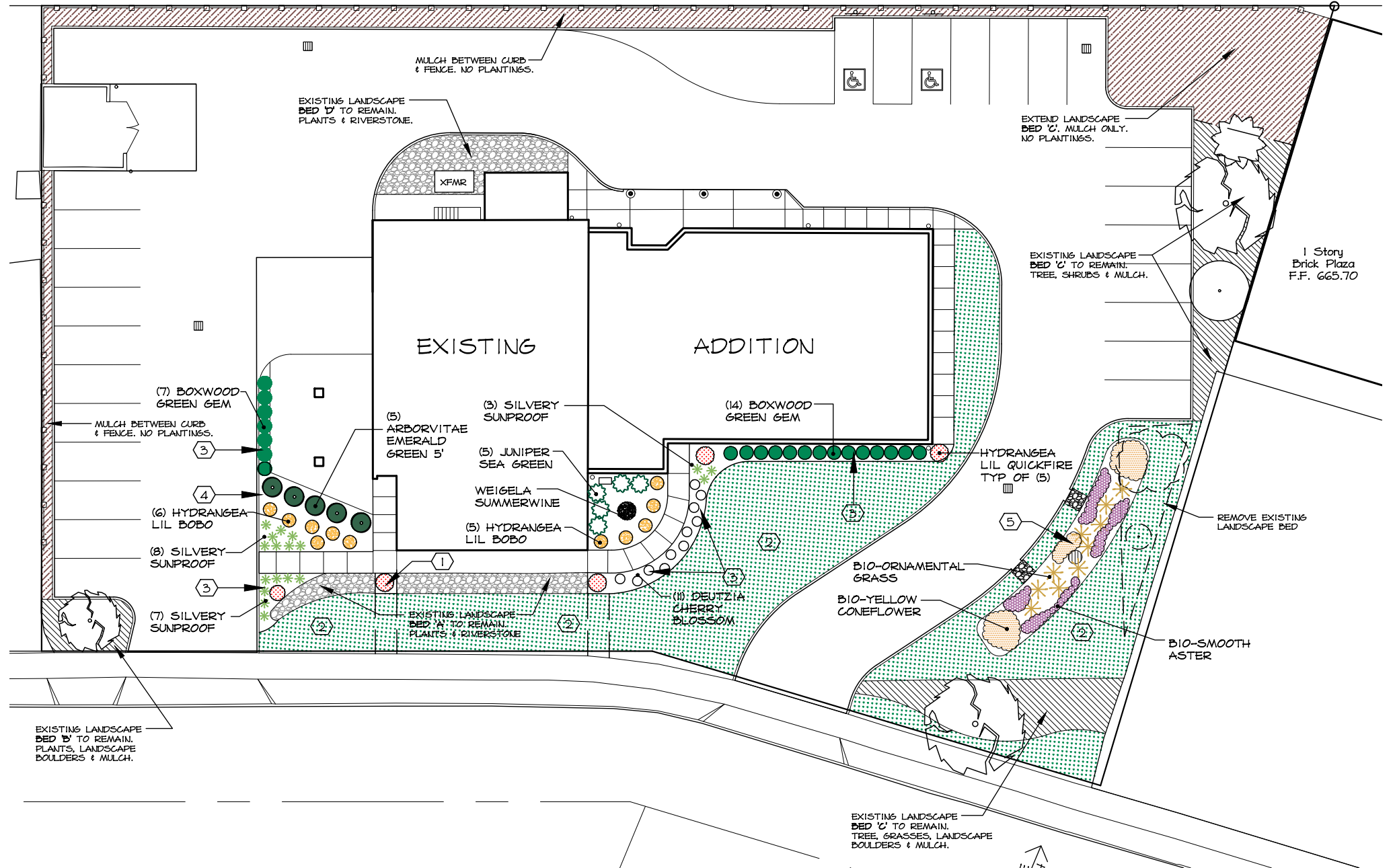
DATE
 FEBRUARY 21, 2024
 ISSUED FOR/
 REVISIONS DATE
 LAKEWOOD ABR 3-7-24

SHEET TITLE
SITE PLAN
 SHEET NO.
A-1

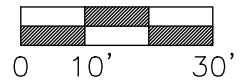


ALL FASTENERS SHALL BE GALVANIZED
WOOD FENCE DETAIL

3/4" = 1'-0"



LANDSCAPE PLAN



CODED NOTES

- ① NEW BEDS AT REMOVED SIDEWALKS TO MATCH BED 'A'.
- ② NEW SEEDED LAWN AREA.
- ③ NEW LANDSCAPED AREA WITH LOW PLANTINGS AND RIVER STONE.
- ④ NEW LANDSCAPED AREA WITH TALL SCREENING PLANTS, ORNAMENTAL GRASS AND RIVER STONE.
- ⑤ NEW BIORETENTION CELL.

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DATE
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 LAKEWOOD ABR 3-7-24

SHEET TITLE
LANDSCAPE PLAN
 SHEET NO.
A-2

HELP LAKEWOOD ADDITION & REMODELING
18228 Sloan Ave., Lakewood, OH 44107

BIO-SWALE PLANTING LIST



BIO-ORNAMENTAL GRASS
Basin Bottom



BIO-SMOOTH ASTER
Basin Side Slope



BIO-YELLOW CONEFLOWER
Basin side slope

HELP LAKEWOOD ADDITION & REMODELING
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PLANTING LIST



BOXWOOD GREEN GEM



WEIGELA SUMMERWINE



LIRIOPE SILVERY SUNPROOF



DEUTZIA CHERRY



HYDRANGEA LIL BOBO



HYDRANGEA LIL QUICKFIRE



ARBORVITAE EMERALD GREEN 5'



JUNIPER SEA GREEN

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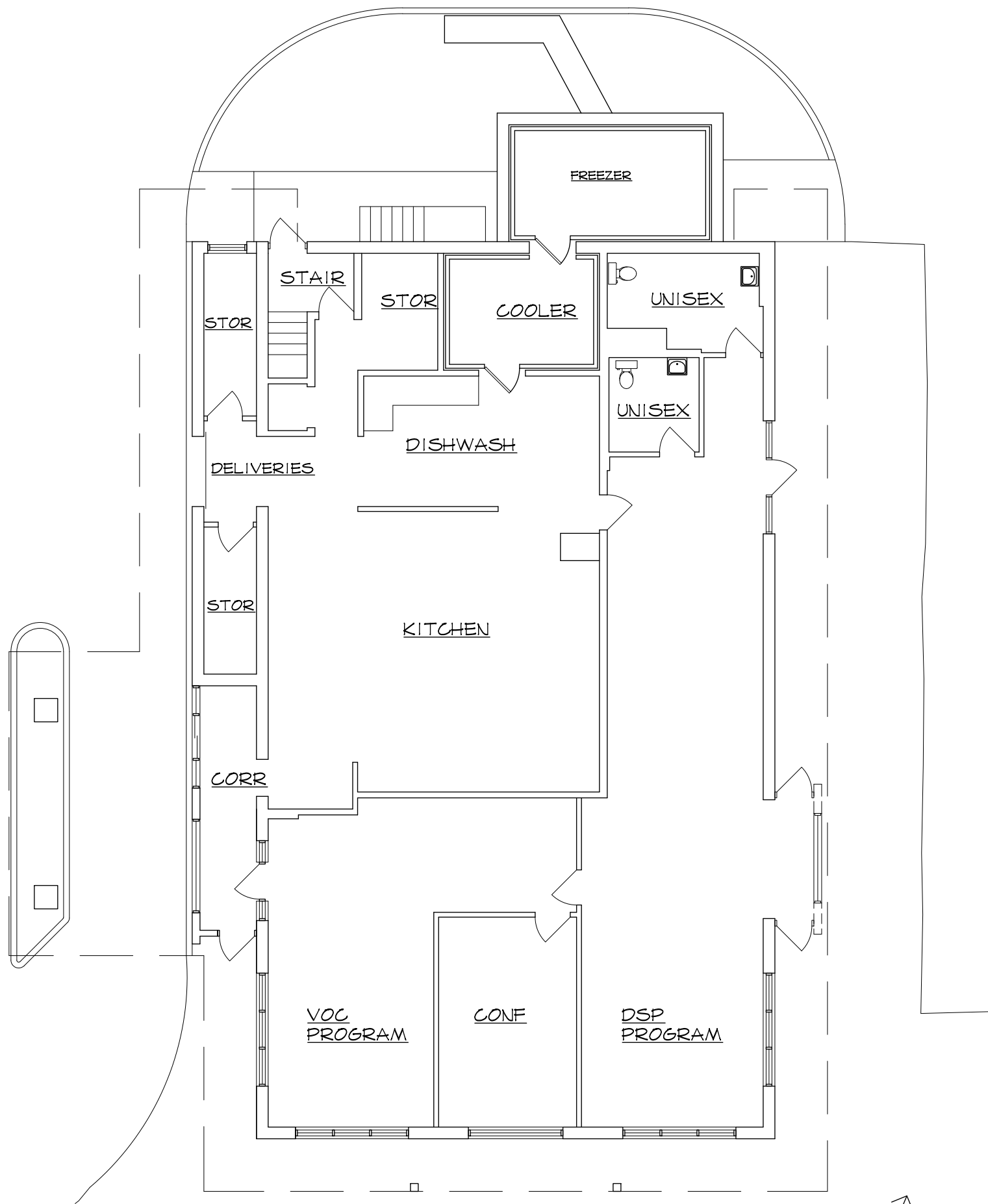
HELP LAKEWOOD
ADDITION AND REMODELING
18228 SLOAN AVE., LAKEWOOD, OHIO 44107

FOR
HELP FOUNDATION INC.
26900 EUCLID AVENUE, EUCLID, OHIO 44132

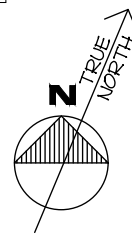
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SHEET TITLE
PLANT LIST

SHEET NO.
A-2.1



EXISTING FLOOR PLAN



SOUTHEAST CORNER

LOOKING NORTH-WEST FROM EAST DRIVE



SOUTH (FRONT) WALL

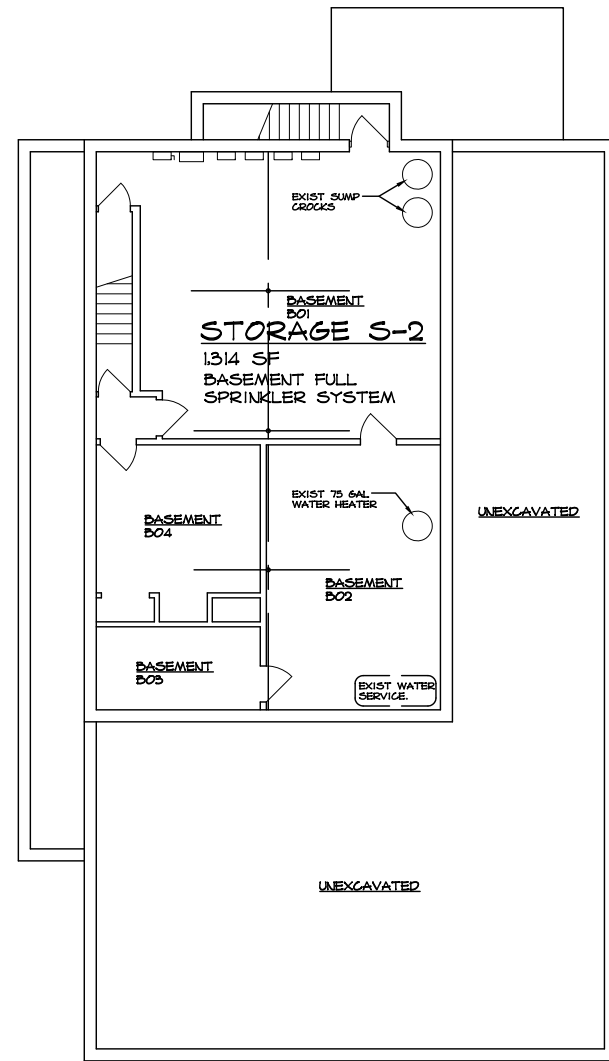
LOOKING NORTH FROM SLOAN AVE

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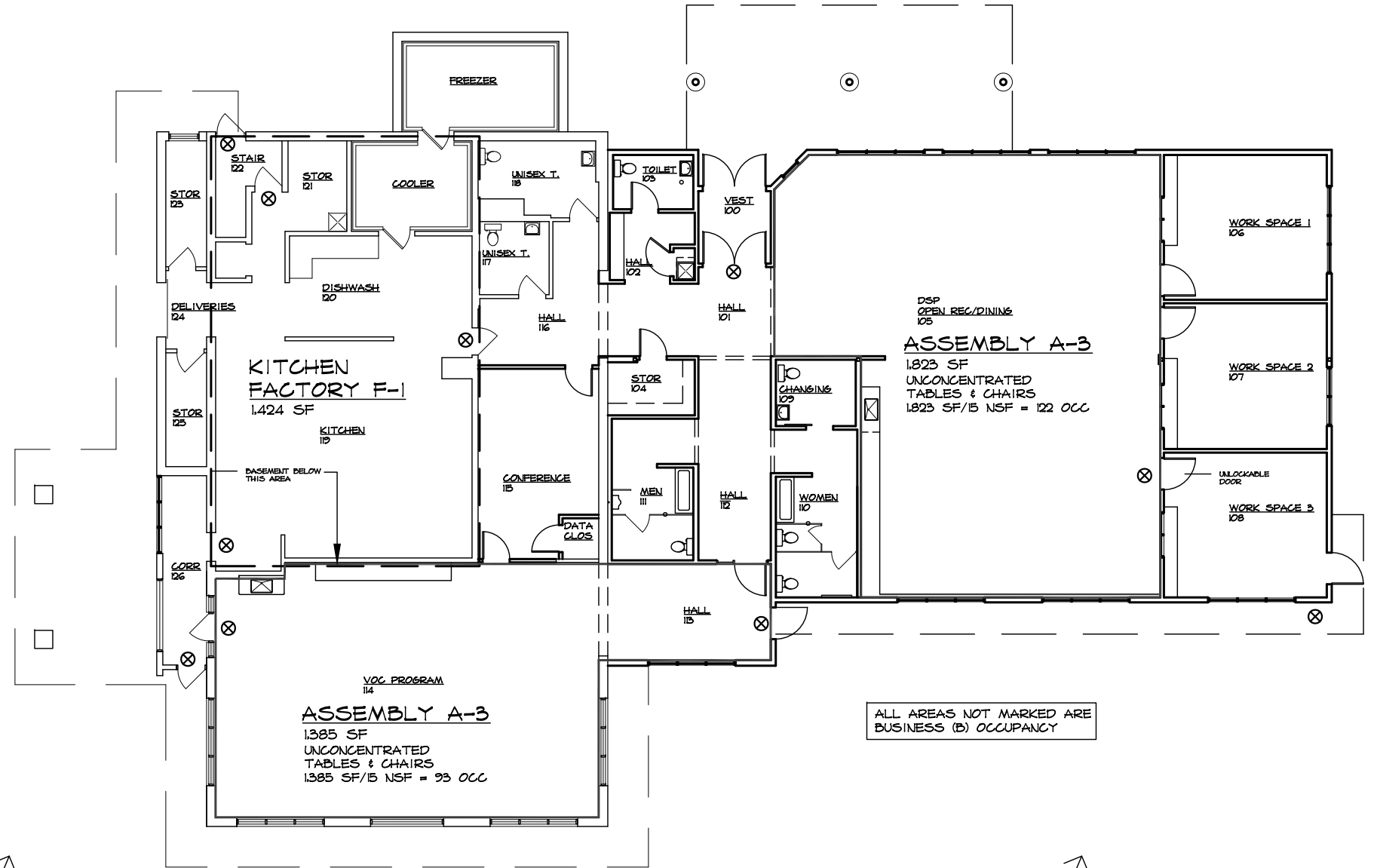
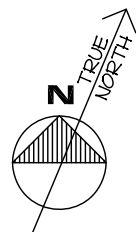
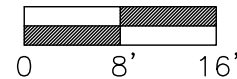
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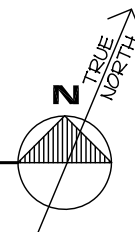
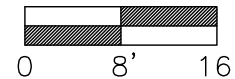
SHEET TITLE
EXISTING CONDITIONS
 SHEET NO.
A-3



BASEMENT PLAN



FIRST FLOOR BUILDING OCCUPANCY PLAN



ALL AREAS NOT MARKED ARE BUSINESS (B) OCCUPANCY

BUILDING CODE SUMMARY

MARCH 1 2024 OHIO BUILDING CODE (ADDITION)
 MARCH 1, 2024 OHIO EXISTING BUILDING CODE (REMODELING)

BUILDING DATA:

	EXISTING BUILDING	ADDITION	TOTAL
BASEMENT	1,314	0	1,314
FIRST FLOOR	(3,715) 4,892	(4,136) 5,081	(7,851) 9,973

AREA (ACTUAL FLOOR AREA IN PARENTHESIS) SHOWN INCLUDING CANOPIES AND ROOF OVERHANGS

USE & OCCUPANCY
 NON-SEPARATED USES PER 508.3.2

	BUILDING AREA	AREA/ OCCUPANT LOAD	OCCUPANTS
STORAGE GROUP S-2	BASEMENT	1,315/300	5
FACTORY GROUP F-1	KITCHEN	1,424 SF/200	8
ASSEMBLY GROUP A-3 UNCONCENTRATED	VOC & DSP PROGRAMS	3,386 SF/15 NSF	226
BUSINESS GROUP B		3,002 SF/150	21
TOTAL OCCUPANTS			260

CHAP 5 GENERAL BUILDING HEIGHTS AND AREAS
 504.7 ALLOWABLE HEIGHT, TYPE VB CONST:
 OCCUPANCIES A, B, F = 40'
 506.2 ALLOWABLE BUILDING AREA, TYPE VB CONST
 A-3 6,000 SF
 B 9,000 SF
 F-1 8,500 SF

506.3.3 FRONTAGE INCREASE FACTOR
 TOTAL BLDG PERIMETER 384';
 OPEN PERIMETER 348' > 30'
 % INCREASE @ 90% OPEN = 0.75
 ALLOW AREA 6,000 SF X 1.75 INCREASE =
 10,500 TOTAL ALLOWABLE AREA

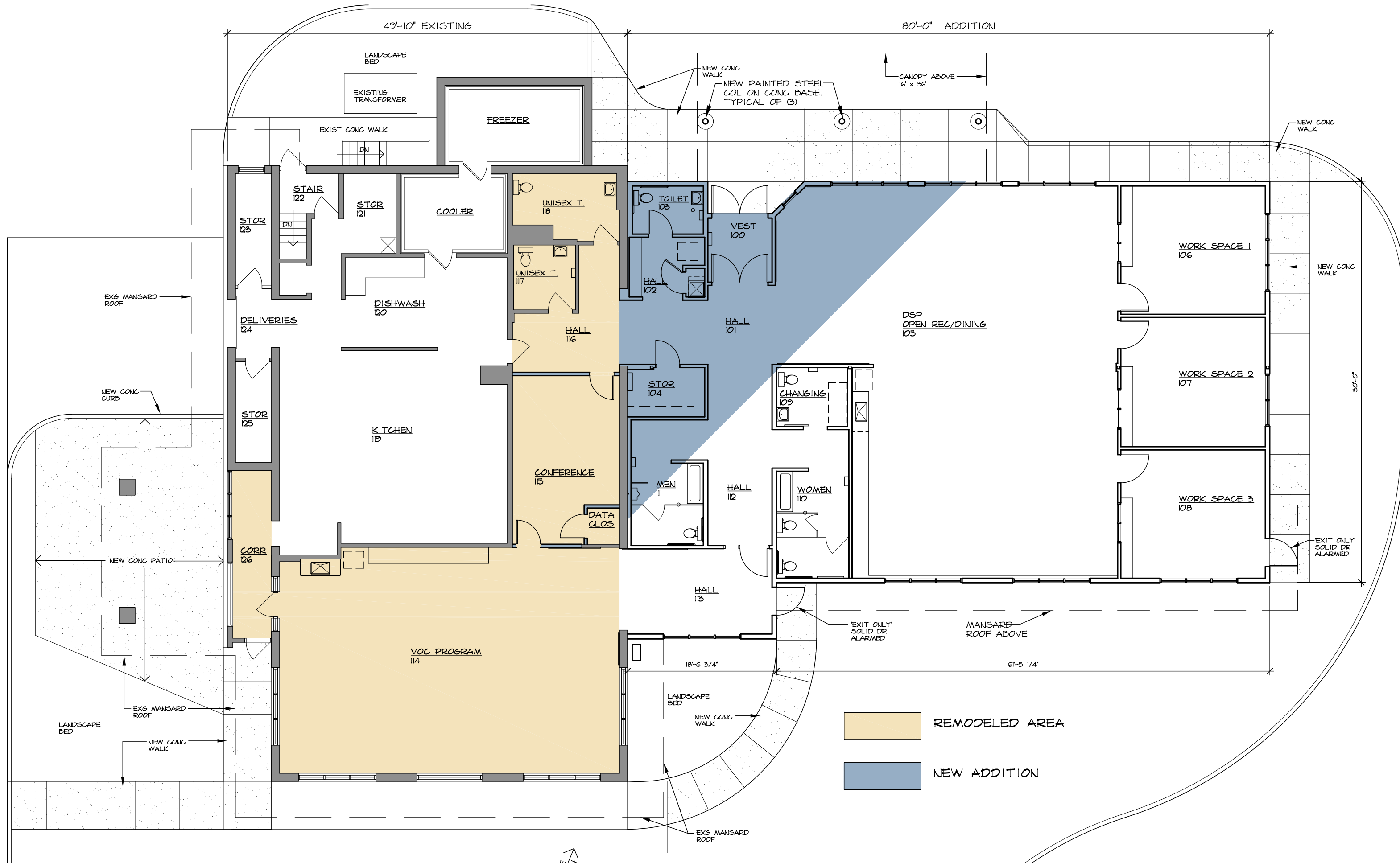
CHAP 6 -TYPES OF CONSTRUCTION
 602 CONSTRUCTION TYPE VB ORDINARY
 (EXISTING BUILDING AND ADDITION)

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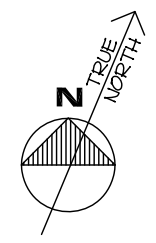
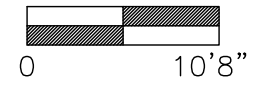
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 FOR
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 26900 EUCLID AVENUE, EUCLID, OHIO 44132

DATE
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SHEET TITLE
BUILDING CODE DATA
 SHEET NO.
A-4



PROPOSED FLOOR PLAN



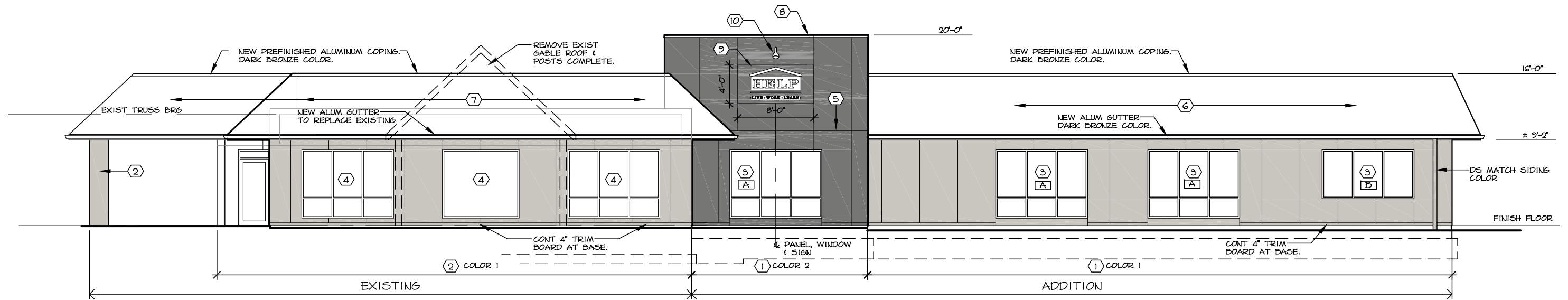
REMODELED AREA
 NEW ADDITION

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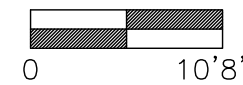
HELP LAKEWOOD ADDITION AND REMODELING
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HELP FOUNDATION INC.
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DATE
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SHEET TITLE
FLOOR PLAN
 SHEET NO.
A-5



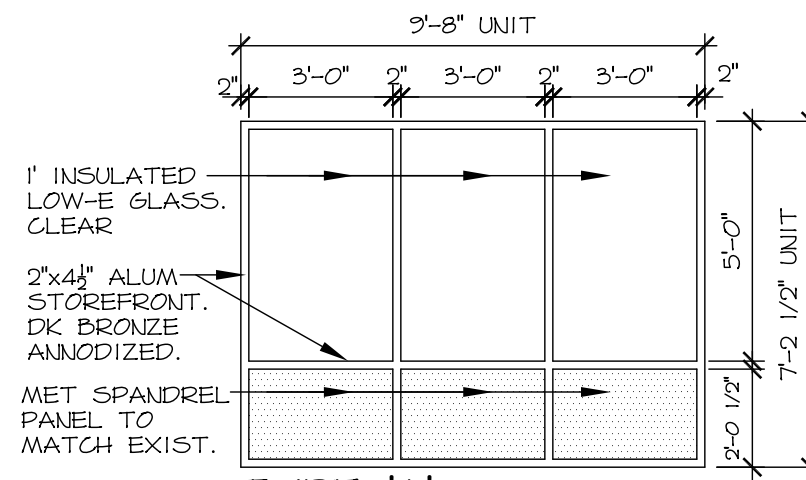
SOUTH ELEVATION
FRONT



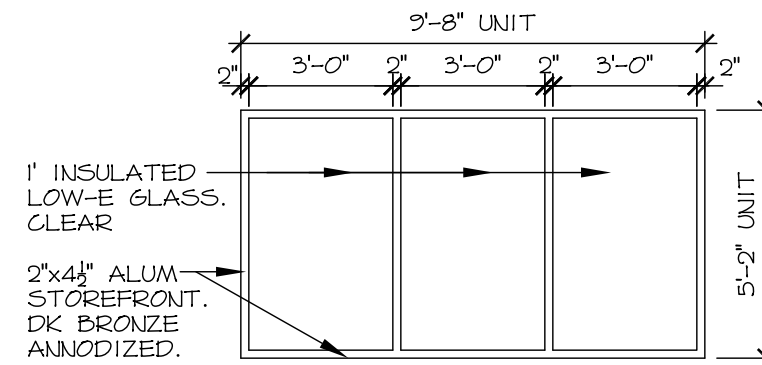
EXTERIOR MATERIAL/COLOR SELECTIONS

ITEM	MATERIAL - PRODUCT	COLOR
EXISTING BUILDING COLORS (MATERIAL TO REMAIN)		
WINDOWS & DOORS/FRAMES	ALUMINUM	DK BRONZE ANODIZED
ADDITION & REPLACEMENT		
COLORED FOUNDATION CMU	CHAS SVEC SMOOTH	GREYSTONE
EXTERIOR FIBER CEMENT SIDING BASE COLOR #1	JAMES HARDIE PANEL	COBBLE STONE
EXTERIOR FIBER CEMENT SIDING ACCENT COLOR #2 (SOUTH WALL)	JAMES HARDIE PANEL	AGED PEWTER
EXT SIDING METAL TRIM	ALUMINUM	MATCH SIDING COLOR
WINDOWS	KAWNEER	DK BRONZE ANODIZED ALUM - CLEAR LOW E GLASS
MANSARD SHINGLES	CERTAINTED FIBERGLASS	WEATHERED WOOD
METAL COPING @ MANSARD	PREFINISHED ALUMINUM	DK BRONZE ANODIZED
METAL COPING @ ACCENT WALL/ FREEZER WALL	PREFINISHED ALUMINUM	805 PEWTER MATCH SIDING COLOR
MISC ROOF TRIM	PREFINISHED ALUMINUM	DK BRONZE ANODIZED
FASCIA	PREFINISHED ALUMINUM	DK BRONZE ANODIZED
GUTTERS	PREFINISHED ALUMINUM	DK BRONZE ANODIZED
DOWNSPOUTS	PREFINISHED ALUMINUM	819 HERRINGBONE
EXTERIOR ENTRANCE DOORS	ALUMINUM	DK BRONZE ANODIZED
PAINTED HM DOORS/FRAMES	SHERWIN WILLIAMS	TO MATCH SIDING
PAINTED METAL COLUMNS @ ENTRANCE CANOPY	SHERWIN WILLIAMS	TO MATCH SIDING COLOR #1
EXTERIOR SOFFIT BELOW MANSARD	ALUMINUM	WHITE
CANOPY SOFFITS	AZEK BEADBOARD	WHITE
EXTERIOR WALL & POLE MOUNTED LIGHT FIXTURES		DARK BRONZE
EXTERIOR POST LIGHTS	EXISTING	DARK BRONZE

STOREFRONT TYPES



TYPE 'A'
N.T.S



TYPE 'B'
N.T.S

EXTERIOR ELEVATION NOTES

- ① F.C. PANEL SIDING OVER W.R.B. ON 3/4" C.I. ON 1/2" PANEL SHEATHING ON WOOD STUDS.
- ② F.C. SIDING ON 1 x 3 FURRING OVER EXIST F.D. MASONRY. NEW MTL TRIM AT TOP.
- ③ NEW ALUMINUM STOREFRONT WINDOWS. SEE TYPES THIS SHEET.
- ④ EXISTING ALUMINUM STOREFRONT WINDOWS.
- ⑤ HORIZONTAL JOINT WITH ALUM 'Z' MOLDING BETWEEN PANELS.
- ⑥ NEW MANSARD ROOF w/ FIBERGLASS SHINGLES.
- ⑦ EXISTING MANSARD ROOF w/ NEW FIBERGLASS SHINGLES.
- ⑧ NEW PREFINISHED ALUMINUM COPING. MATCH SIDING COLOR
- ⑨ BUILDING SIGN WITH LOGO. INDIVIDUAL LETTERS, WHITE ACRYLIC ON F.C. PANEL
- ⑩ SIGN LIGHT MOUNTED ABOVE SIGN. SEE ELECT DRAWINGS.



SIDING COLOR #1 SIDING COLOR #2

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HELP LAKEWOOD
ADDITION AND REMODELING
18228 SLOAN AVE., LAKEWOOD, OHIO 44107

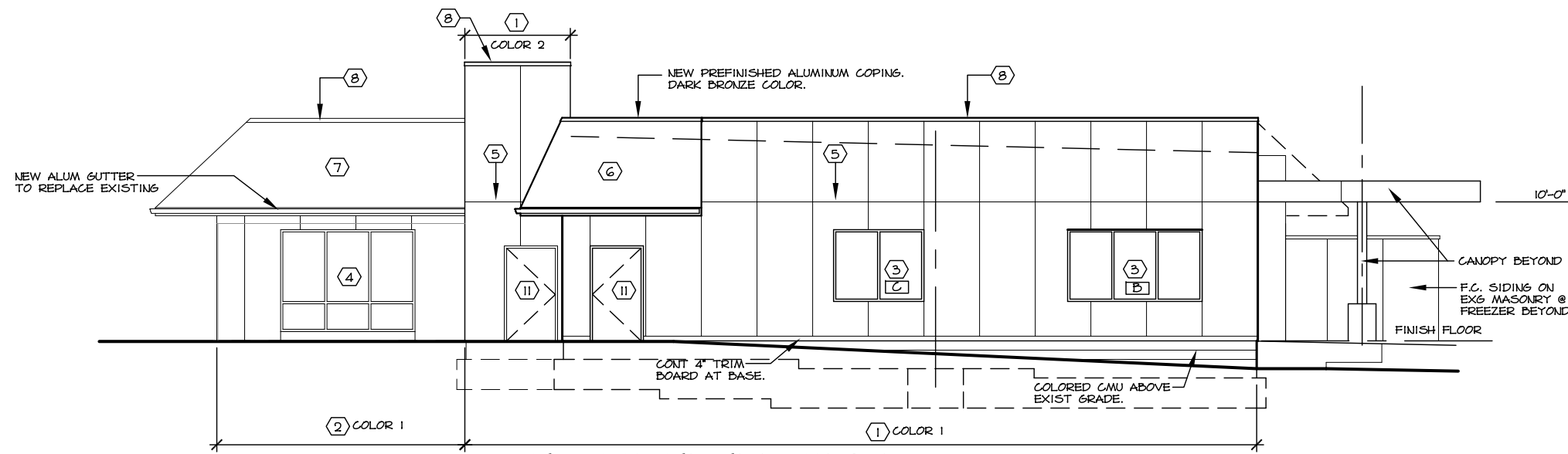
FOR
HELP FOUNDATION INC.
26900 EUCLID AVENUE, EUCLID, OHIO 44132

DATE
FEBRUARY 21, 2024
ISSUED FOR/
REVISIONS DATE
LAKEWOOD ABR 3-7-24

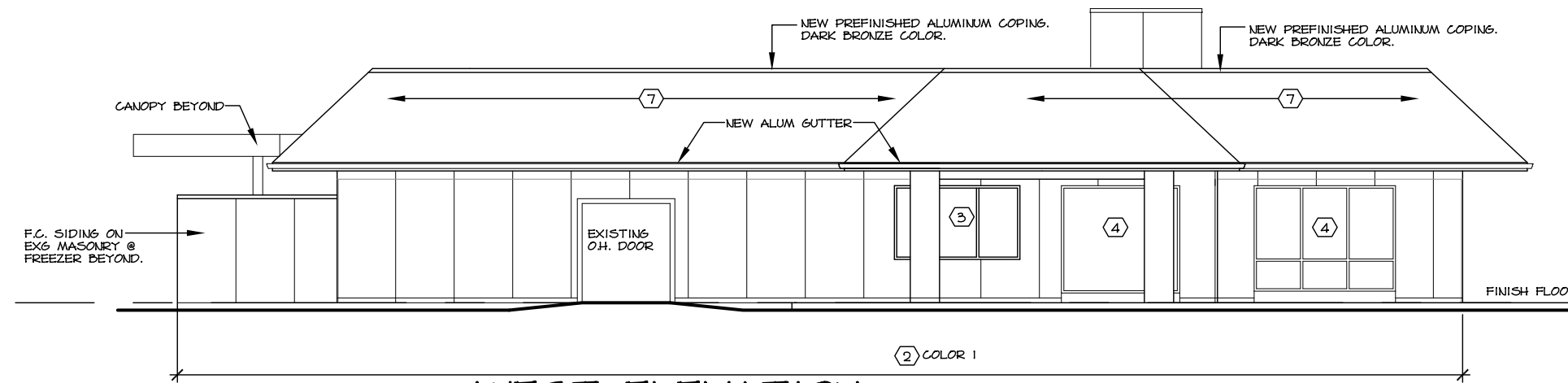
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EXTERIOR
ELEVATIONS
& MATERIALS
SHEET NO.
A-6

EXTERIOR ELEVATION NOTES

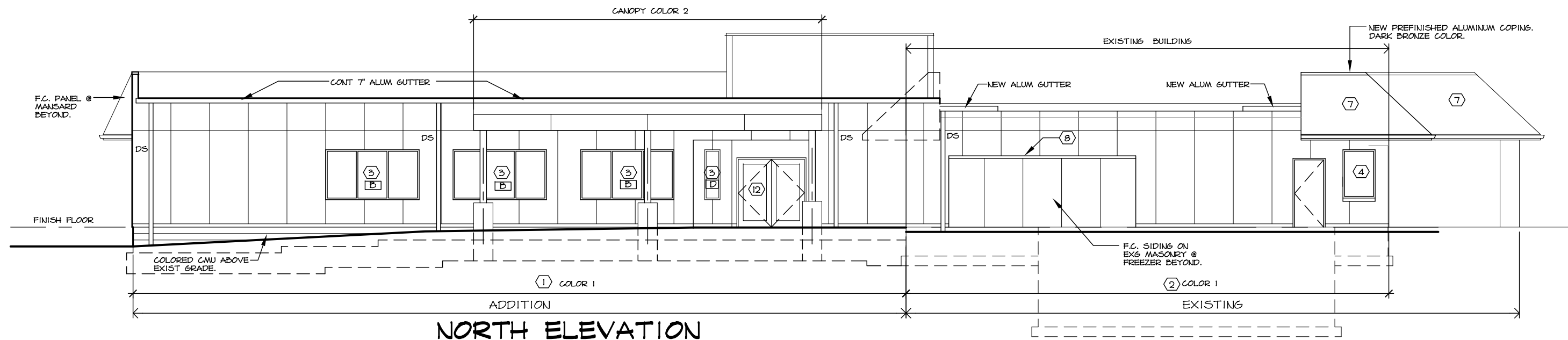
- ① F.C. PANEL SIDING OVER W.R.B. ON 3/4" C.I. ON 1/2' PANEL SHEATHING ON WOOD STUDS.
- ② F.C. SIDING ON 1 x 3 FURRING OVER EXIST MASONRY. NEW MTL TRIM AT TOP.
- ③ NEW ALUMINUM STOREFRONT WINDOWS. SEE TYPES THIS SHEET.
- ④ EXISTING ALUMINUM STOREFRONT WINDOWS.
- ⑤ HORIZONTAL JOINT WITH ALUM 'Z' MOLDING BETWEEN PANELS.
- ⑥ NEW MANSARD ROOF W/ FIBERGLASS SHINGLES.
- ⑦ EXISTING MANSARD ROOF W/ NEW FIBERGLASS SHINGLES.
- ⑧ NEW PREFINISHED ALUMINUM COPING. MATCH SIDING COLOR.
- ⑨ BUILDING SIGN WITH LOGO. INDIVIDUAL LETTERS, WHITE ACRYLIC ON F.C. PANEL
- ⑩ SIGN LIGHT MOUNTED ABOVE SIGN. SEE ELECT DRAWINGS.
- ⑪ 6'-8" HIGH, INSULATED SOLID METAL DOOR. PAINTED.
- ⑫ 7' HIGH ALUMINUM DOORS WITH INSULATED GLASS.



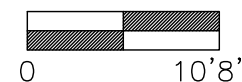
EAST ELEVATION



WEST ELEVATION



NORTH ELEVATION

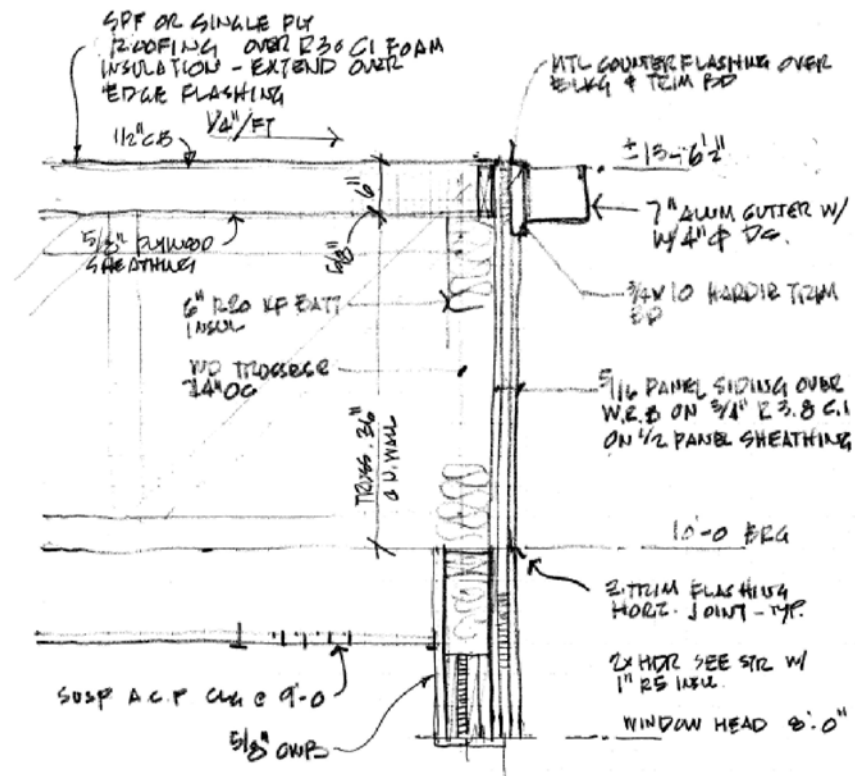


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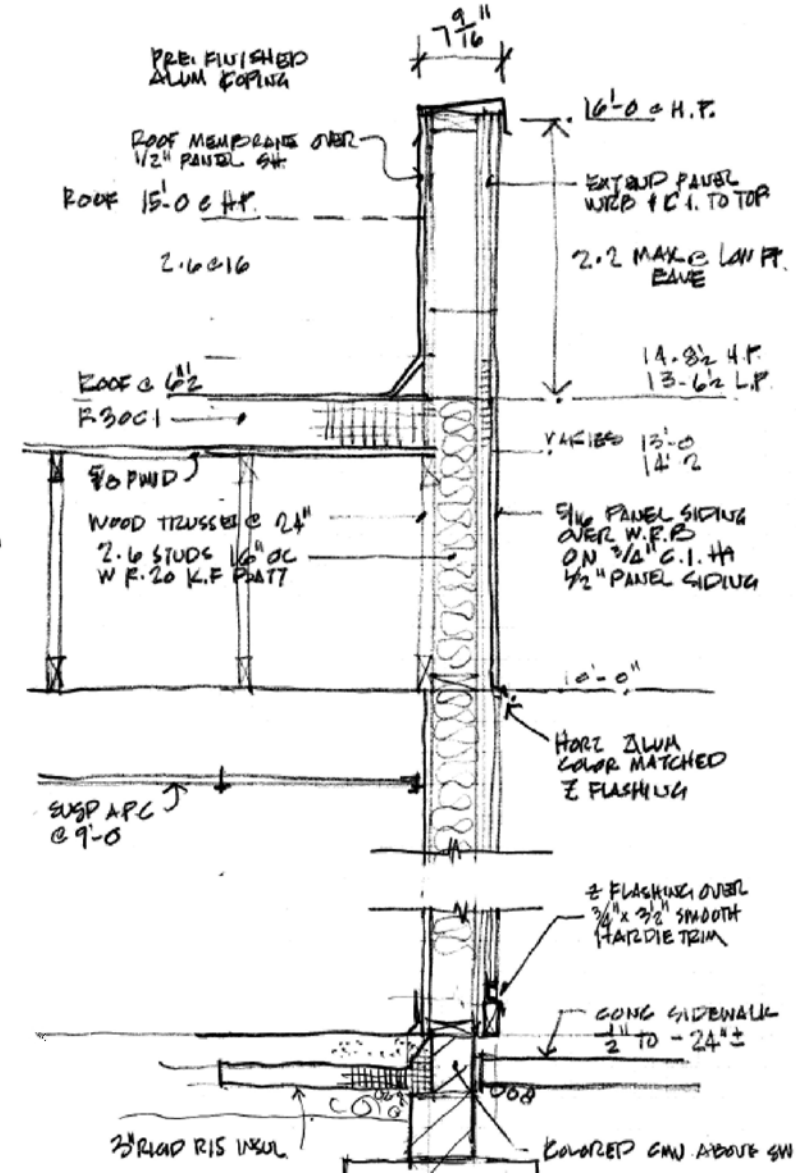
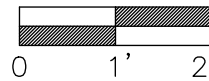
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 FOR
HELP FOUNDATION INC.
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DATE
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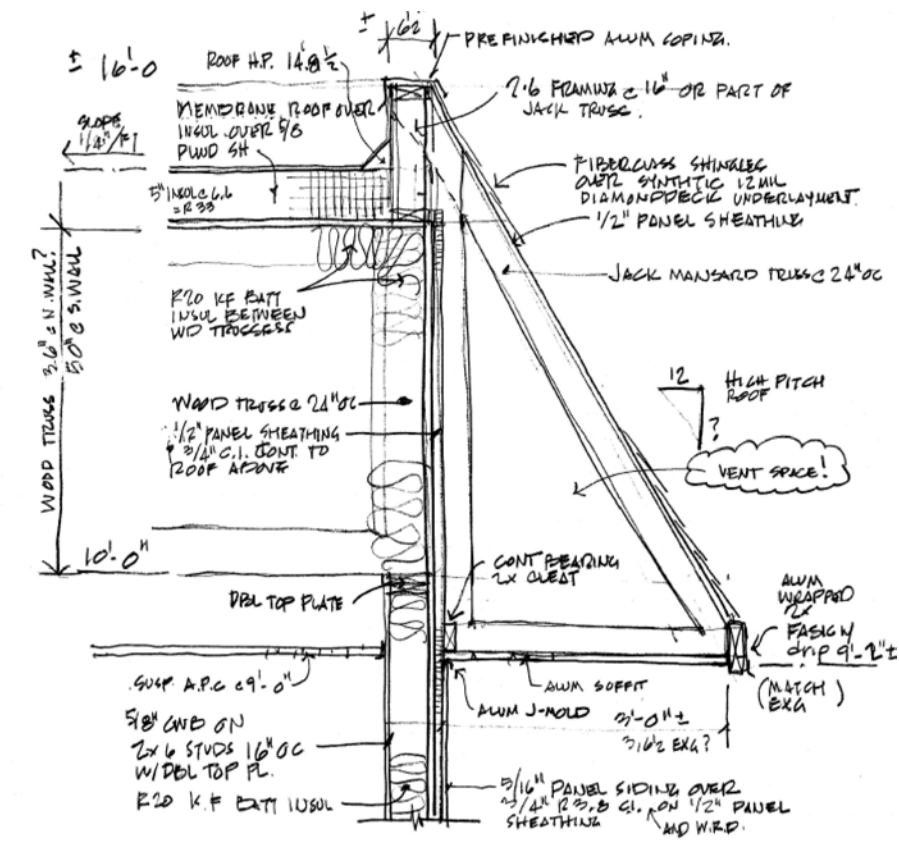
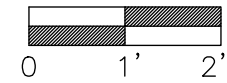
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EXTERIOR ELEVATIONS
 SHEET NO.
A-7



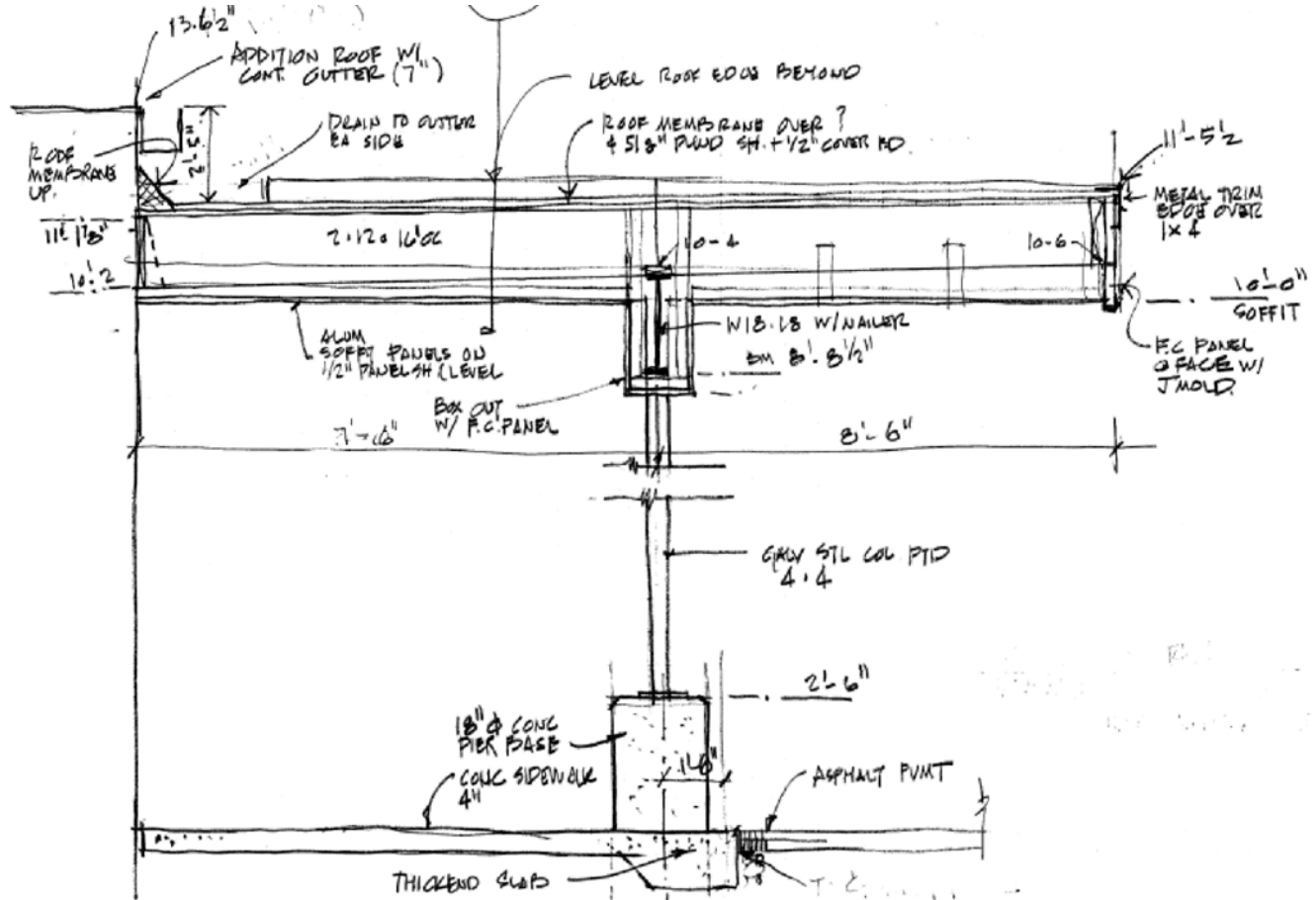
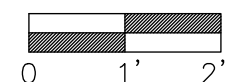
NORTH EXTERIOR WALL SECTION



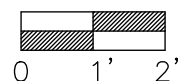
EAST EXTERIOR WALL SECTION



MANSARD ROOF WALL SECTION



REAR CANOPY SECTION



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 FEBRUARY 21, 2024
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 REVISIONS DATE
 LAKEWOOD ABR 3-7-24

SHEET TITLE
SECTIONS
 SHEET NO.
A-8

FOGLE/STENZEL
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PRODUCT DATA

ADDITION & REMODELING

HELP LAKEWOOD
18228 SLOAN AVE. LAKEWOOD, OH 44107

FOR

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26900 Euclid Ave.
Euclid, OH 44132



A BUILDING SIGN DETAIL

$3/4" = 1'-0"$

It's Possible™ to fall in love with your home again.

Michigan, Chicago & Ohio Product Catalog



Hardie® Panel & Hardie® Trim Batten
Weathered Cliffs
James Hardie | Magnolia Home Collection

Statement Collection® Products

It's your turn to let your home stand out with our Statement Collection® products. Curated by our design experts, this collection of Hardie® siding and trim products with ColorPlus® Technology finishes are unique to your home's region. This gorgeous selection is locally stocked in your area, making it easier than ever to find the exterior style of your dreams.

COLORPLUS® TECHNOLOGY

ColorPlus® Technology finishes combine distinct beauty and high performance in a way that no other finish does. They're the easiest way to choose a gorgeous pre-finished color for your house, and feel confident in its staying power.

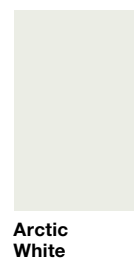
Hardie® Plank, Hardie® Panel, Hardie® Shingle and Hardie® Trim Batten Color Offering



Hardie® Trim Color Offering



Hardie® Soffit Color Offering



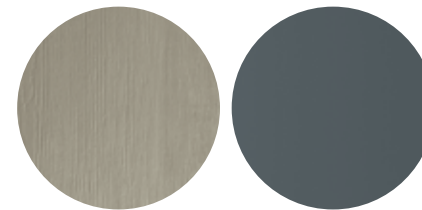
Hardie® Plank

Thickness 5/16 in
Length 12 ft planks
Select Cedarmill®
Width 7.25 in 8.25 in
Exposure 6 in 7 in



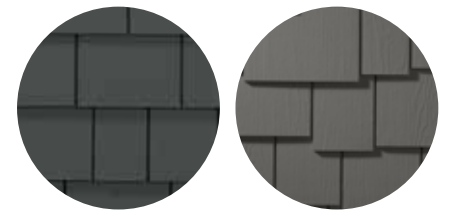
Hardie® Panel

Thickness 5/16 in
~~Select Cedarmill® & Smooth~~
Size 4 ft x 10 ft



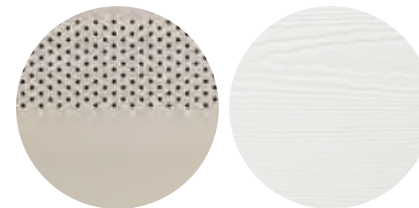
Hardie® Shingle

Thickness 1/4 in
Length 48 in
Straight Edge Panel Staggered Edge Panel
Height 15.25 in Height 15.25 in
Exposure 7 in Exposure 6 in



Hardie® Soffit

Thickness 1/4 in
Vented and Non-Vented Select Cedarmill®
Width 12 in
Length 12 ft



Hardie® Trim

Length 12 ft
4/4 Smooth
Thickness .75 in
Width 3.5 in* 5.5 in 7.25 in 9.25 in* 11.25 in*
5/4 Smooth
Thickness 1 in
Width 3.5 in 5.5 in 7.25 in 9.25 in* 11.25 in



*This size is only available in Arctic White

Hardie® Trim

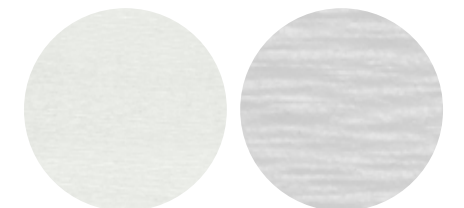
Length 12 ft
4/4 Roughsawn
Thickness .75 in
Width 3.5 in* 5.5 in* 7.25 in 9.25 in* 11.25 in*
5/4 Roughsawn
Thickness 1 in
Width 3.5 in 5.5 in 7.25 in 9.25 in* 11.25 in*



*This size is only available in Arctic White

Batten Boards

Smooth & Rustic Grain
Thickness .75 in
Width 2.5 in



Scan code to request a sample.

Designed for versatility and beautiful performance.

Hardie® Panel

Hardie® Panel delivers style and substance. When combined with Hardie® Trim Batten, it achieves the rustic board-and-batten look that defines your charming cottage or modern farmhouse. Its crisp, clean lines and ability to pair beautifully with other siding products make Hardie® Panel a smart choice for the home of your dreams.



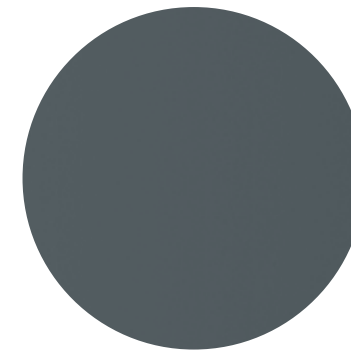
Hardie® Panel Select Cedarmill® Evening Blue

Hardie® Trim Batten Rustic Grain Evening Blue

Hardie® Panel



Select Cedarmill®



Smooth



Stucco



Sierra 8

Thickness 5/16 in

Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Prime Pcs/Pallet	50	50	50
ColorPlus® Pcs/Pallet	50	—	50
Pcs/Sq.	3.2	2.8	2.5

Select Cedarmill®

Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Statement Collection®			•
Dream Collection®	•		•
Prime	•	•	•

Smooth

Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Statement Collection®			•
Dream Collection®	•		•
Prime	•	•	•

Stucco

Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Statement Collection®			
Dream Collection®	•		•
Prime	•	•	•

Sierra 8

Size	4 ft x 8 ft	4 ft x 9 ft	4 ft x 10 ft
Statement Collection®			
Dream Collection®			
Prime	•	•	•

A finished look starts with beautiful trim.

Hardie® Trim

Form meets function at every intersection with Hardie® Trim boards. With an authentic look, Hardie® Trim boards provide design flexibility for columns, friezes, doors, windows and other accent areas.

With higher performance to withstand damage from the elements compared to wood trim, Hardie® Trim is the perfect option for a long-lasting home. Hardie® Trim is a low-maintenance and durable accent for your exterior — adding an extra component of beauty to your home.



Hardie® Trim



4/4 Roughsawn		Thickness .75 in		Length 12 ft boards		
Width		3.5 in	5.5 in	7.25 in	9.25 in	11.25 in
Prime Pcs/Pallet		312	208	156	104	104
ColorPlus® Pcs/Pallet		312	208	156	104	104
Statement Collection®	AW	AW	•	AW	AW	
Dream Collection®	•	•	•	•	•	•
Prime	•	•	•	•	•	•

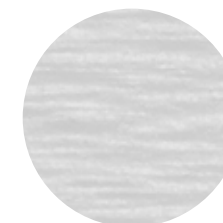
4/4 Smooth		Thickness .75 in		Length 12 ft boards		
Width		3.5 in	5.5 in	7.25 in	9.25 in	11.25 in
Prime Pcs/Pallet		312	208	156	104	104
ColorPlus® Pcs/Pallet		312	208	156	104	104
Statement Collection®	AW	•	•	AW	AW	
Dream Collection®	•	•	•	•	•	•
Prime	•	•	•	•	•	•

5/4 Roughsawn		Thickness 1 in		Length 12 ft boards			
Width		3.5 in	4.5 in	5.5 in	7.25 in	9.25 in	11.25 in
Prime Pcs/Pallet		240	200	180	120	80	80
ColorPlus® Pcs/Pallet		240	200	180	120	80	80
Statement Collection®	•		•	•	AW	AW	
Dream Collection®	•	•	•	•	•	•	•
Prime	•	•	•	•	•	•	•

5/4 Smooth		Thickness 1 in		Length 12 ft boards			
Width		3.5 in	4.5 in	5.5 in	7.25 in	9.25 in	11.25 in
Prime Pcs/Pallet		240	200	160	120	80	80
ColorPlus® Pcs/Pallet		240	200	160	120	80	80
Statement Collection®	•		•	•	AW	•	
Dream Collection®	•	•	•	•	•	•	•
Prime	•	•	•	•	•	•	•

Batten Boards

Thickness	.75 in
Length	12 ft
Width	2.5 in
Prime Pcs/Pallet	437
ColorPlus® Pcs/Pallet	190



Rustic Grain	
Statement Collection®	•
Dream Collection®	•
Prime	•



Smooth	
Statement Collection®	•
Dream Collection®	•
Prime	•

FOR THE PROS

Protection that performs at every layer.

Hardie™ Weather Barrier

No exterior cladding can prevent 100% of water intrusion. Your home should have an additional line of defense. Hardie™ Weather Barrier provides a superior balance of water resistance and breathability, keeping the area within the wall drier. This helps prevent moisture accumulation that may lead to mold and mildew growth.



INSTALLATION ADVANTAGES

- Thicker, more durable material for easier, quicker installation
- Superior tear resistance helps prevent water infiltration
- Can be installed with staples in place of cap nails for cost savings
- Provides a higher level of performance, no matter what type of cladding you specify

Weather Barrier

Thickness	11 mil		
Length	100 ft	100 ft	150 ft
Width	3 ft	9 ft	9 ft

Pro-Flashing

Thickness	20 mil		
Length	75 ft	75 ft	75 ft
Width	4 in	6 in	9 in

Flex Flashing

Thickness	60 mil	
Length	75 ft	75 ft
Width	6 in	9 in

Seam Tape

Thickness	3.2 mil	
Length	164 ft	
Width	1-7/8 in	

Installation Done Right

INSTALLATION ACCESSORIES

Hardie™ Blade Saw Blades

Manufactured by Diablo, the Hardie™ Blade saw blade is designed specifically to cut fiber cement products and is the only saw blade James Hardie recommends. The blade creates clean, precise cuts while helping to reduce the amount of airborne dust produced.



PacTool® Gecko Gauge

The PacTool® Gecko Gauge is designed to improve the installation experience, allowing one person to hang Hardie® Plank lap siding during installation. Studies suggest the Gecko Gauge can improve the speed of solo installation by 30%.



Finishing Touches

COLORPLUS® TECHNOLOGY ACCESSORIES

Touch-Up Kits

Specially formulated to match ColorPlus® Technology finishes, our touch-up kits offer resistance to aging, color change and chalking. Estimated one kit per 4,000 sq ft of siding or 1,600 sq ft of trim.



Color-Matched Caulk

OSI® QUAD® MAX sealant offers a high-performance sealant solution to color match Statement Collection™ products.* About 18–20 linear feet per tube. Refer to packaging for manufacturer's recommendations.

*For matching Dream Collection® products, contact your local James Hardie representative.

TRIM ACCESSORIES

Flat Tabs

Eliminate face nails and improve the aesthetic of trim applications around windows, doors and band boards.

Corner Tabs

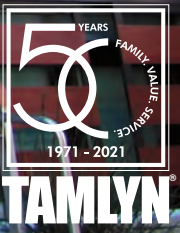
Use corner tabs to eliminate face nail holes that would detract from the finished look of corner trim installations.



Scan code to view install and technical documents.

TAMLYN[®]
FAMILY. VALUE. SERVICE.

XtremeTrim[®]
2022 PRODUCT CATALOG



WATER MANAGEMENT | XTREMEINTERIOR™ | XTREMETRIM® | XTREMECOLOR™ FLASHING | SIDING ACCESSORIES | VENTILATION | METAL FLASHING | CONNECTORS

TAMLYN[®] FAMILY. VALUE. SERVICE.

XTREMETRIM

EXTERIOR ALUMINUM TRIM

PRODUCT CATALOG 2022

PRIMED FINISH STANDARD

XtremeTrim® extruded profiles are provided standard with a primed finish using a proprietary primer suitable for field painting using most paint materials. Ideal application is with a direct-to-metal alkyd enamel. Consult your local paint manufacturers for best practice and proper paint selection and application.

ANODIZED FINISHES

Tamlyn stocks Clear Anodized (Architectural 202R1) in almost all extruded profiles. In addition, other anodized finishes such as Dark Bronze, Medium Bronze, Light Bronze, or Black are available as special order. Also we offer some profiles in BKA. All anodized finishes are provided within an industry range of color consistency and can vary slightly from item to item.

Special order anodized colors are subject to specific minimum set up fees and cost depending upon quantity. Anodizing is an electrochemical conversion process that deposits an oxide film on the aluminum profile. A natural oxidation process occurs on all bare aluminum, however, producing the oxidation process artificially through anodizing creates a thicker, harder, and more durable oxide film which is an extremely durable finish resistant to most forms of airborne corrosion.

ANODIZED SPECIFICATIONS

Standard Clear Anodized – Architectural 202R1 medium etch (AA-M32CA21). Thickness of anodic coating shall be tested in accordance with ASTM B-244-68.

Color Anodized Finish – two step impregnated color Class II Architectural of 0.40-0.70 mils (AAM12C22A33) Thickness of anodic coating shall be tested in accordance with ASTM B-244-68.

Tamlyn also provides Clear Anodized fabricated profiles in 0.040 sheet stock to compliment the extruded Clear Anodized profiles.

POWDER COATING

Powder coating is an advanced method of applying finish to products. The powder used for the process is a mixture of finely ground particles of pigment and resin, which is sprayed onto a surface to be coated. The charged powder particles adhere to the electrically grounded surfaces until heated and fused into a smooth coating in a curing oven. The result is a uniform, durable, high-quality, and attractive finish.

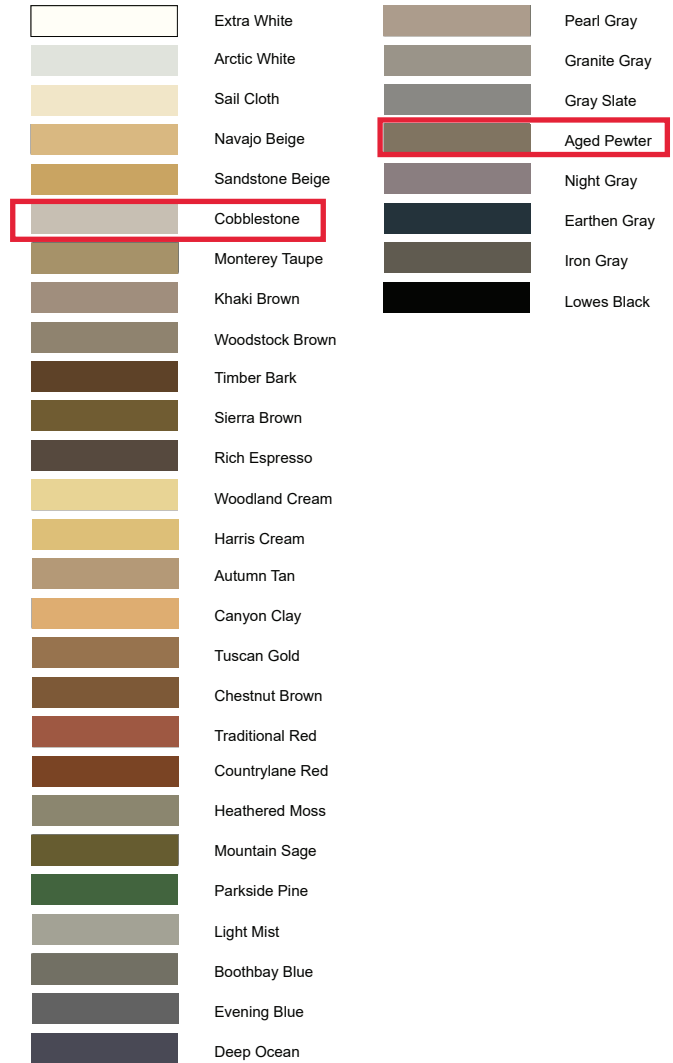
Powder coating gives the longest-lasting and most color-durable quality finishes available. Powder coated surfaces are more resistant to chipping, scratching, fading, and wearing than other finishes.

Tamlyn powder coats in-house to match all major pre-finished siding colors. Quantity limits apply for custom color powder coat processing.

TRADITIONAL WET PAINT PROCESSING

Tamlyn also can provide traditional wet paint process for custom colors. This is advantageous often for smaller volume orders. The color control and matching can be precisely managed to assure consistency throughout a job or project. Minimum quantity limits apply for all color matches.

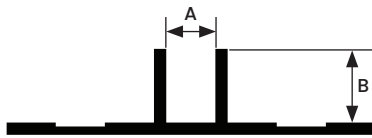
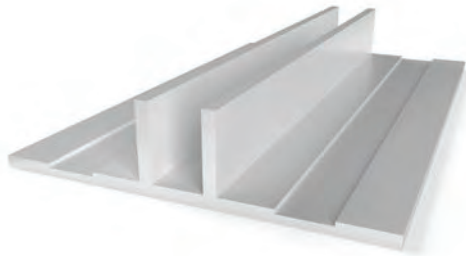
Colors shown are illustrated as accurately as printing methods will permit. Please utilize actual product samples for true color comparison.



Any other color you imagine is also available from TAMLYN. Want to match a school or corporate color scheme, we can make it happen!

With all color processes there is an allowable variance tolerance that applies to painting and use of dissimilar substrate materials to which paint is applied. Pre-matched colors on many siding products are considered to be stock matched from TAMLYN and do not require signed match approval for processing. Any other colors must have signed/accepted hand matches completed prior to order processing/acceptance. The colors above are examples of the majority of current ready matched shades. Almost any other color can be matched. There are quantity minimums for all orders of color processing. Paint variances from lot to lot WILL occur and on large projects it is recommended that all color items be ordered at one time.

BRV VERTICAL PANEL JOINTS



All measurements are nominal

ITEM ID	A	B
BRV14516	1/4"	5/16"
BRV12516*	1/2"	5/16"
BRV1516	1"	5/16"
BRV121	1/2"	1"

All parts are 10' Length unless otherwise indicated

*In Stock in BLACK ANODIZED

DESIGN FEATURES

Vertical Bead Reveal serves as an aesthetic joint between panels. A better, more appealing and secure solution to the "open wall" vertical joint look popular in many areas.

MATERIAL

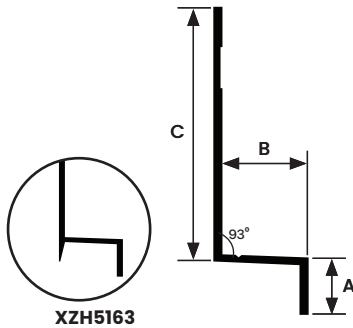
6063-T5 .045" ± .005 extruded aluminum alloy with proprietary coating that protects against harsh weather conditions and allows for paint adhesion. For all other finish options refer to page 20.

NOTES

Do not install XtremeTrim® Vertical Bead Reveal on horizontal applications where the exterior flange can catch/hold water.



XZH HORIZONTAL PANEL JOINTS



All measurements are nominal

ITEM ID	A	B	C
XZH516*	3/8"	15/32"	1-1/2"
XZH5163	3/8"	15/32"	3-1/2"
XZH716	3/8"	1/2"	1-1/2"
XZH58*	1/2"	3/4"	1-1/2"

All parts are 10' Length unless otherwise indicated

***In Stock in BLACK ANODIZED**

DESIGN FEATURES

XZH - Provides clean and consistent horizontal transition between panels. Designed to work in conjunction with Vertical Reveal and Siding H Mold.

XZH5163 - Design affords greater reveal flexibility up to 2-1/2" while working in conjunction with Vertical Reveal and Siding H-Mold.

MATERIAL

6063-T5 .050" ± .005 extruded aluminum alloy with proprietary coating that protects against harsh weather conditions and allows for paint adhesion. For all other finish options refer to page 20.

NOTES

Do not install XtremeTrim® Horizontal Z on horizontal applications where the exterior flange can catch/hold water.



BASE TRIM

XZS

DESIGN FEATURES

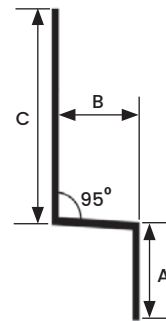
Provides clean and consistent horizontal transition between panels. Can be used as independent profiles to accommodate design requirements and also the XZS516W can be used with the RV to create a vertical continuous installation and is the horizontal typically used with the RVC.

MATERIAL

6063-T5 .040" ± .005 extruded aluminum alloy with proprietary coating that protects against harsh weather conditions and allows for paint adhesion. For all other finish options refer to page 20.

NOTES

Do not install XtremeTrim® Basic Horizontal Z on horizontal applications where the exterior flange can catch/hold water.



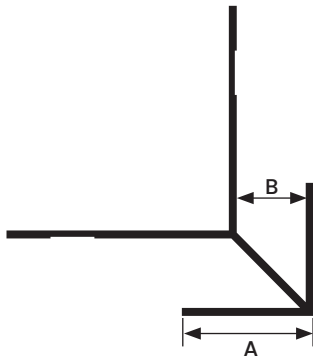
All measurements are nominal

ITEM ID	A	B	C
XZS5168	3/8"	5/16"	3/4"
XZS516W*	3/8"	5/16"	1-1/2"
XZS7168	3/8"	7/16"	1"
XZS588	3/8"	5/8"	1"

All parts are 8' Length unless otherwise indicated.

* XZS516W-10' Length

XOCLP EXTERIOR VERTICAL CORNERS



All measurements are nominal

ITEM ID	A	B
XOCLP516*	3/4"	3/8"
XOCLP716	1"	7/16"
XOCLP58*	1-1/8"	5/8"
XOCLP34*	1-1/2"	3/4"
XOCLP1	1-1/2"	1"

All parts are 10' Length unless otherwise indicated

***In Stock in BLACK ANODIZED**

DESIGN FEATURES

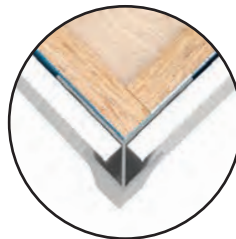
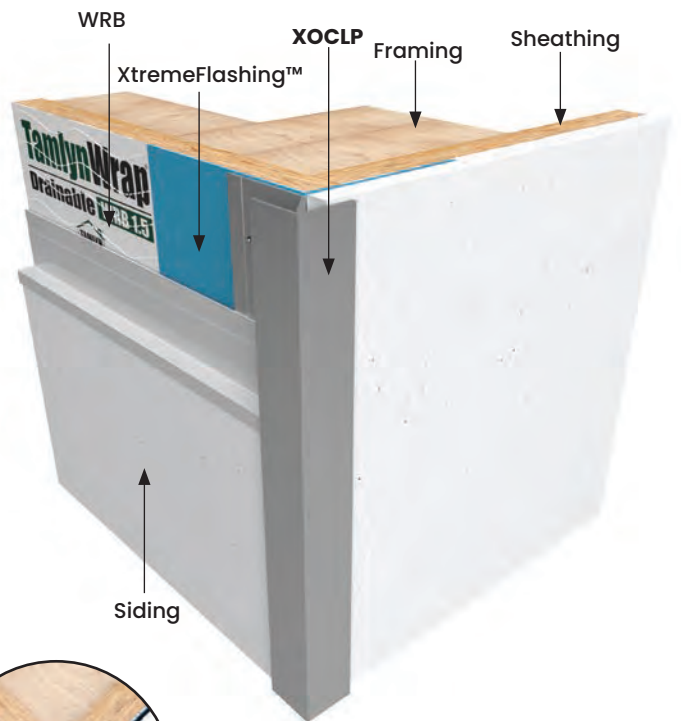
Offers a clean outside corner for various siding materials. Works well with all vertical options.

MATERIAL

6063-T5 .050" ± .005 extruded aluminum alloy with proprietary coating that protects against harsh weather conditions and allows for paint adhesion. For all other finish options refer to page 20.

NOTE

Do not install XtremeTrim® Low Profile Outside Corner on horizontal applications where the exterior flange can catch/hold water.



INSIDE VERTICAL COLORS

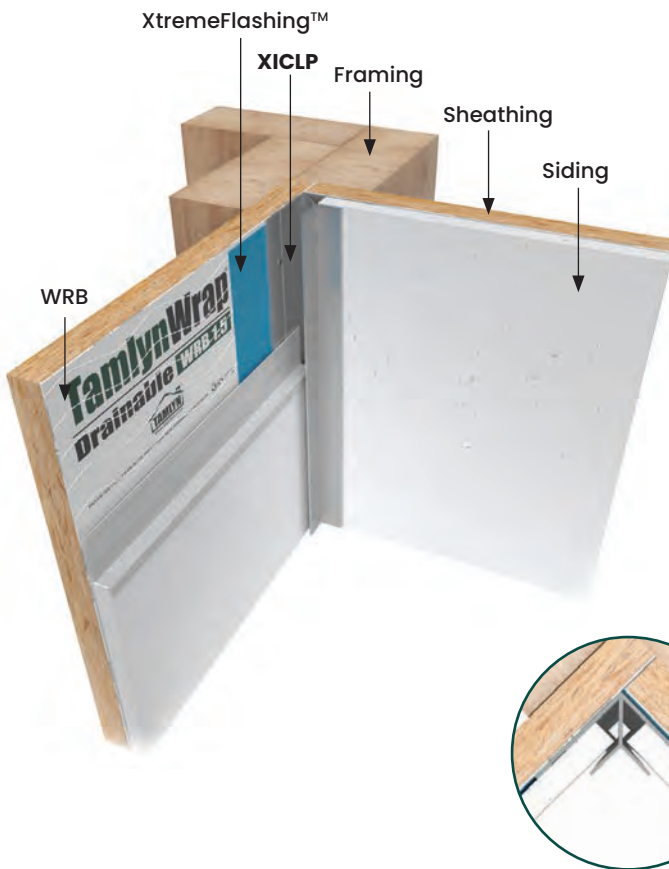
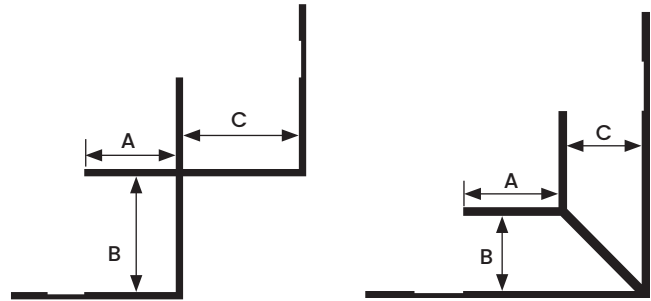
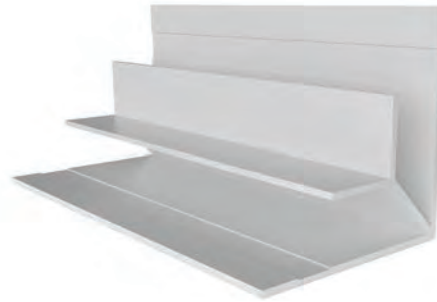
XICLP

DESIGN FEATURES

Faces help to produce a clean and durable inside corner that complement many vertical and horizontal options.

MATERIAL

6063-T5 .050" ± .005 extruded aluminum alloy with proprietary coating that protects against harsh weather conditions and allows for paint adhesion. For all other finish options refer to page 20.

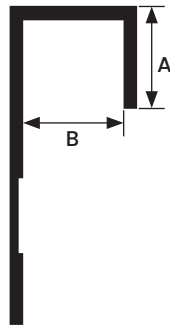
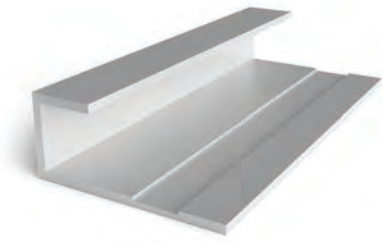


All measurements are nominal

ITEM ID	A	B	C
XICLP516*	3/8"	3/8"	3/8"
XICLP716	3/8"	15/32"	1/2"
XICLP34*	5/8"	3/4"	3/4"
XICLP1	7/16"	1"	1"

All parts are 10' Length unless otherwise indicated

***In Stock in BLACK ANODIZED**



All measurements are nominal

ITEM ID	A	B
JMH51610*	3/8"	3/8"
JMH71610	3/8"	15/32"
JMH5810	1/2"	5/8"
JMH3410*	5/8"	3/4"
JMH110	3/8"	1"
JMH125	3/8"	1-1/4"
JMH15	3/8"	1-1/2"
JMH210	1/2"	2"

All parts are 10' Length unless otherwise indicated

*In Stock in BLACK ANODIZED

DESIGN FEATURES

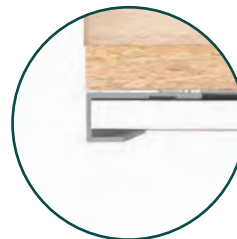
Provides a clean finish at openings, at the edge of various siding materials and at material transitions. Specifically designed to work in conjunction with other profiles.

MATERIAL

6063-T5 .050" ± .005 extruded aluminum alloy with proprietary coating that protects against harsh weather conditions and allows for paint adhesion. For all other finish options refer to page 20.

NOTE

Do not install XtremeTrim® Standard J Mold horizontal applications where the exterior flange can catch/hold water.





JM TPO SYSTEMS

SINGLE PLY ROOFING






DESIGNED FOR EFFICIENCY, DURABILITY AND LONGEVITY

JMTPO gives you a more cost-effective, yet highly reliable solution for your roofing projects. Our membranes are reinforced with a polyester fabric and manufactured with an ultraviolet-resistant thermoplastic polyolefin formulation. This combination provides you with extreme pliability, flexibility and weldability.

JOHNS MANVILLE TPO

We launched our state-of-the-art TPO formulation in 2008, when many of our competitors already had products in the TPO market. While we felt pressure to meet ever-growing demands by getting into the market quickly, we determined it was more important to take the time to produce a higher-quality TPO product and do it right the first time.

QUALITY IS BUILT IN

 Cost-effective	 Durable
 Efficient	 Flexible
 Withstands long-term weathering, is UV-resistant and resists heat-aging	
 Lays flat	 Has one of the widest weld windows of any TPO on the market for commercial roofing, providing superior weldability



THE LEADING CHOICE FOR CONTRACTORS

70%

selected JMTPO as their membrane of choice.

Those who regularly use TPO prefer JMTPO for:

- Wide weld window
- Seam strength
- Lay-flat properties
- Workability

In 2010, we launched the very first TPO Challenge and still continue to host challenges today. Well over 1,000 contractors, specifiers, consultants, welders and other roofing professionals have taken part in nationwide blind challenges to compare leading TPO membranes. Among experienced welders, 70% of these professionals selected JM TPO as their membrane of choice.

60 MIL WHITE TPO: REAL-WORLD TESTED, REAL-WORLD PROVEN

In 2015, we started a program to research the real-world performance of our TPO membranes. We partnered with our trusted owners and contractors to perform roof cuts in various locations all across the United States. A third party tested the material against various ASTM requirements, and the results tell the great JMTPO story.

10 YEARS	LONGMONT CO	ASTM	
	Thickness	59 mil	✓
	Seam Strength	138 lbf	✓
	Brittleness Point	Pass	✓
7 YEARS	GROVE CITY OH	ASTM	
	Thickness	57 mil	✓
	Seam Strength	116 lbf	✓
	Brittleness Point	Pass	✓
7 YEARS	FREMONT CA	ASTM	
	Thickness	57 mil	✓
	Seam Strength	115 lbf	✓
	Brittleness Point	Pass	✓
6 YEARS	FARMERS BRANCH TX	ASTM	
	Thickness	56 mil	✓
	Seam Strength	119 lbf	✓
	Brittleness Point	Pass	✓
7 YEARS	UNION CITY CA	ASTM	
	Thickness	57 mil	✓
	Seam Strength	115 lbf	✓
	Brittleness Point	Pass	✓
6 YEARS	HOUSTON TX	ASTM	
	Thickness	58 mil	✓
	Seam Strength	111 lbf	✓
	Brittleness Point	Pass	✓

For average annual climate details, visit <https://www.jmroofing.news/jmtpo-roofcut>

JM TPO

CONTINUES TO BE THE TOP CHOICE FOR CONTRACTORS STILL TODAY

The JMTPO Challenge keeps demonstrating that contractors still stand by JMTPO as the most flexible, smoothest and most weldable sheet.

"The guys like how they can take the membrane in tight at the angle change from the roof to the wall. So it's a very forgiving sheet and a high-quality sheet that we are getting nice feedback from the field."

Jack Scalo
President/CEO
Burns & Scalo
Roofing



FLEXIBLE

Better for angle changes and working around penetrations

- Saves you time by achieving tighter fit at angle changes for more precise, detailed cuts
- Handles colder temperatures better
- Creates better laps by laying flat



WELDABLE

Consistent welding lets you work in optimum conditions and the harshest environments

- Strong, consistent and proven seam strength, lap to lap
- A wider weld window can prevent cold welds and false welds



SMOOTH

Smoother sheets make compliance for initial reflectivity easier

- Smooth membranes hold on to less dirt
- Maintains reflective advantage longer with smoother surfaces

"The weldability of the product, the quality of the sheet itself and all the accessories that are produced are the best in the industry. And that's from the guys in the field."

John Kalkreuth
President
Kalkreuth Roofing & Sheet Metal

The lighter-colored JMTPO reflects solar energy to lower the amount of heat absorbed into the building, greatly reducing air-conditioning energy loads and costs.

White JMTPO membrane meets the stringent requirements for both LEED® (Leadership in Energy and Environmental Design) and California Title 24 when tested by the CRRC® (Cool Roof Rating Council).



**MORE RELIABLE.
LESS WASTE.**



Between 2011 and 2013, JM's Scottsboro, Alabama roofing facility reduced its waste by 85 percent. In 2014, waste disposal at this plant was nearly half of what it was in 2013. Our Scottsboro plant continues to employ a stringent recycling program to minimize waste as it has since the launch of this program in 2011.



JM CR and CR G products
are Title 24 compliant

FIND THE RIGHT JM TPO ROLLS FOR YOUR NEXT PROJECT

"I was confident we would realize a cost savings on the first install using 12-foot rolls, and we did."

Jess Spain, Vice President, Great Lakes Roofing

MORE OPTIONS TO MAKE YOU MORE PROFIT

12' WIDE ROLLS

We recently opened a second production line for our newest offerings—12' wide and 6' wide sheets. Contractors working on commercial projects now have even more flexibility and choices with JMTPO. The 12' wide sheets give contractors the opportunity to save time with fewer field seams, less crane time and less waste. JMTPO 12' and 6' sheets are available in all thicknesses: 45, 60 and 80 mils.



SELF-ADHERED

JMTPO SA (Self-Adhered) membranes can be installed up to three times faster than a traditional fully adhered application through the "peel and stick" technology of our factory-applied adhesive. TPO SA works great for installations that require little to no VOCs and may also have fewer weather restrictions than many traditional adhesive systems. JMTPO SA starts strong and stays strong for the full life of the roof.



Our financial strength allows us to provide some of the strongest and most comprehensive guarantees in the roofing industry.

We offer roofing warranties and 10-, 15-, 20-, 25- and 30-year No Dollar Limit (NDL) roofing guarantees, depending on the roof system selected. Even if you never have cause to fall back on the JM Peak Advantage® Guarantee, Johns Manville Roofing Systems provide you with additional value by offering technical assistance to the building owner throughout the life of the agreement.



COLOR	THICKNESS	ROLL SIZE	MATERIAL ID	PACKAGING	WEIGHT	COVERAGE	
WHITE	45 MIL	12' x 100'	90026094	9 rolls/pallet	341 lb/roll	1,200 ft ²	
		10' x 100'	90001399		284 lb/roll	1,000 ft ²	
		8' x 100'	90001398		224 lb/roll	800 ft ²	
		6' x 100'	90026093		171 lb/roll	600 ft ²	
		5' x 100'	90001397		142 lb/roll	500 ft ²	
	60 MIL	12' x 100'	90026096	8 rolls/pallet	430 lb/roll	1,200 ft ²	
		10' x 100'	90001408		357 lb/roll	1,000 ft ²	
		8' x 100'	90001407		290 lb/roll	800 ft ²	
		6' x 100'	90026095		216 lb/roll	600 ft ²	
		5' x 100'	90001406		178 lb/roll	500 ft ²	
	60 MIL MIN	10' x 100'	90013942	8 rolls/pallet	355 lb/roll	1,000 ft ²	
		5' x 100'	90021710		173 lb/roll	500 ft ²	
	FB 115	10' x 100'	90001694	7 rolls/pallet	385 lb/roll	1,000 ft ²	
	FB 150 (Hot Moppable)	10' x 75'	90024979	7 rolls/pallet	355 lb/roll	750 ft ²	
	TPO SA 60 MIL	10' x 100'	90025037	8 rolls/pallet	396 lb/roll	1,000 ft ²	
5' x 100'		90025229	198 lb/roll		500 ft ²		
80 MIL	12' x 75'	90026695	8 rolls/pallet	442 lb/roll	900 ft ²		
		90029673		491 lb/roll	750 ft ²		
		90029784		393 lb/roll	600 ft ²		
	6' x 75'	90026694		221 lb/roll	450 ft ²		
		90029783		245 lb/roll	375 ft ²		
	FB 135	10' x 50'		90001558	8 rolls/pallet	284 lb/roll	500 ft ²
	FB 175 (Hot Moppable)	10' x 50'		90025016	8 rolls/pallet	224 lb/roll	500 ft ²
GREY	45 MIL	10' x 100'*	90001393	9 rolls/pallet	284 lb/roll	1,000 ft ²	
		8' x 100'*	90001392		224 lb/roll	800 ft ²	
		5' x 100'*	90001391		142 lb/roll	500 ft ²	
	60 MIL	12' x 100'**	90026691	8 rolls/pallet	414 lb/roll	1,200 ft ²	
		10' x 100'**	90001402		345 lb/roll	1,000 ft ²	
		8' x 100'*	90001401		275 lb/roll	800 ft ²	
		6' x 100'*	90026690		208 lb/roll	600 ft ²	
		5' x 100'**	90001400		173 lb/roll	500 ft ²	
	FB 115	10' x 100'*	90014106	7 rolls/pallet	385 lb/roll	1,000 ft ²	
	80 MIL	10' x 75'*	90001411	8 rolls/pallet	369 lb/roll	750 ft ²	
		8' x 75'*	90001410		295 lb/roll	600 ft ²	
		5' x 75'*	90001409		184 lb/roll	375 ft ²	
TAN	45 MIL	10' x 100'*	90001396	9 rolls/pallet	284 lb/roll	1,000 ft ²	
		8' x 100'*	90001395		224 lb/roll	800 ft ²	
		5' x 100'*	90001394		142 lb/roll	500 ft ²	
	60 MIL	12' x 100'**	90026693	8 rolls/pallet	414 lb/roll	1,200 ft ²	
		10' x 100'**	90001405		345 lb/roll	1,000 ft ²	
		8' x 100'*	90001404		275 lb/roll	800 ft ²	
		6' x 100'*	90026692		208 lb/roll	600 ft ²	
		5' x 100'**	90001403		173 lb/roll	500 ft ²	
	FB 115	10' x 100'*	90013979	7 rolls/pallet	385 lb/roll	1,000 ft ²	
	80 MIL	10' x 75'*	90001414	8 rolls/pallet	369 lb/roll	750 ft ²	
		8' x 75'*	90001413		295 lb/roll	600 ft ²	
		5' x 75'*	90001412		184 lb/roll	375 ft ²	

*1,000 ft² minimum order required

**Standard stock item



Landmark[®] Series

Designer Roofing Series

Landmark, shown in Weathered Wood

MANSARD SHINGLES





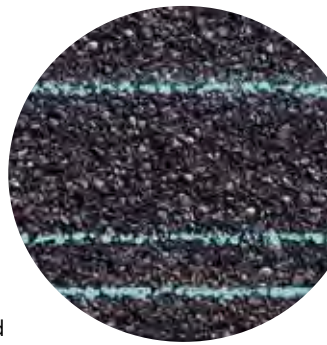
NailTrak[®]

Fast, Accurate, Visible

The new and improved **NailTrak** nailing line, a feature on CertainTeed designer shingles.

Now **NailTrak** is brighter than ever before, with high-visibility lines that stand out whether it's daybreak or dusk.

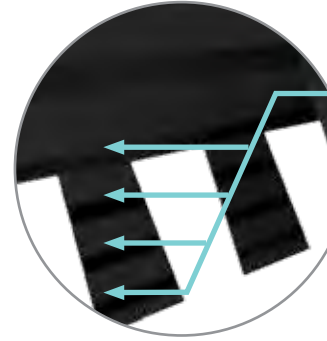
NailTrak removes the guesswork with three separately defined lines, creating a large area to guide your nailing and a smaller area for extreme steep-slope applications.



QuadraBond[®]

Advanced Layering

CertainTeed's specially formulated adhesive adheres shingle layers at four points, more than any other manufacturer. This superior bond provides greater protection against shingle delamination to maximize performance over the life of the shingle in any climate.



StreakFighter[®]

Algae Resistance

The ultimate in stain protection.

Those streaks you see on other roofs in your neighborhood? That's algae, and it's a common eyesore on roofing throughout North America. CertainTeed's **StreakFighter** technology uses the power of science to repel algae before it can take hold and spread. **StreakFighter's** granular blend includes naturally algae-resistant copper, helping your roof maintain its curb appeal and look beautiful for years to come.

Granule with **StreakFighter** Technology

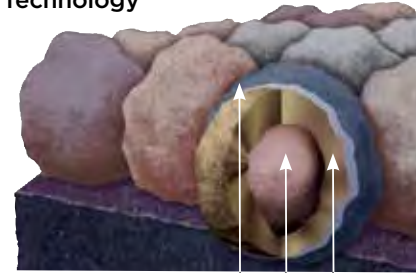


Diagram for illustrative purposes only.

CertaSeal[®]

Uplift Protection

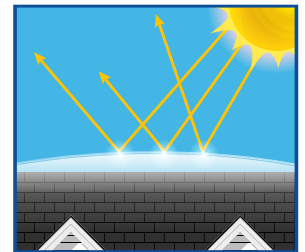
CertaSeal[®] is a fast-activating modified asphalt sealant with a 20-year record of proven performance. Designed to seal shingles together upon installation, it protects roofs from wind uplift and shingle blow-off so that homes stay safe and dry. It's also engineered to remain flexible after installation, unlike harder sealants that can dry out and crack over time.



Solaris[®] CoolRoof

Solar Reflectivity

Solaris[®] Cool Roof is a sustainable shingle granule technology that applies energy-saving cool roof performance to CertainTeed's most popular shingle brands. Available in rich and authentic colors, including dark hues and tones, Solaris Cool Roof can lower roof temperatures and allow homeowners to reduce cooling costs without sacrificing beauty, quality, or color.



The Expert's Choice

LANDMARK® PRO

A refined union of vision and value, our PRO line leads its class in optimal performance and variety of color.

- **Now classified as UL 2218 Class 3 Impact Rated**
- Engineered to meet professional contractors' exacting specifications
- Available in a wide selection of eye-catching **Max Def** colors
- Outweighs standard laminates to provide greater protection from the elements



Scan code for more information

LANDMARK® PRO COLOR PALETTE



Max Def Cobblestone Gray



Max Def Georgetown Gray



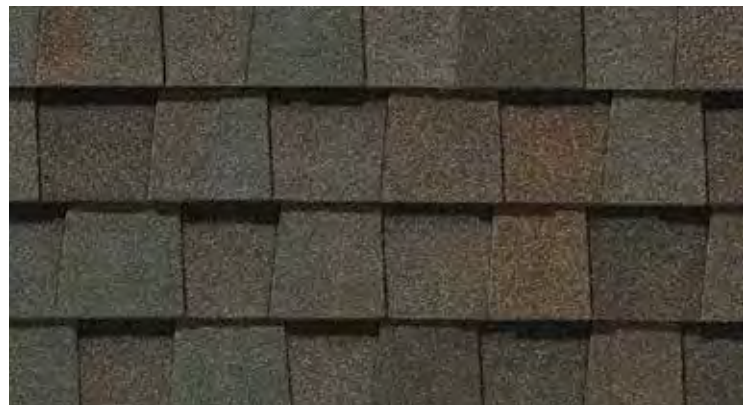
Max Def Driftwood



Max Def Prairie Wood



Max Def Espresso



Max Def Heather Blend



Max Def Resawn Shake



Max Def Coastal Blue



Max Def Colonial Slate



Max Def Weathered Wood



Max Def Pewter



Max Def Moiré Black



Max Def Shenandoah



Max Def Burnt Sienna



Max Def Red Oak

MAX DEF COLORS

Look deeper. With Max Def, a new dimension is added to shingles with a richer mixture of surface granules. You get a brighter, more vibrant, more dramatic appearance and depth of color. And the natural beauty of your roof shines through.

PROPER VENTILATION IS VITAL

Protection against damage to the roofing materials and structure increase comfort inside the home and energy savings.

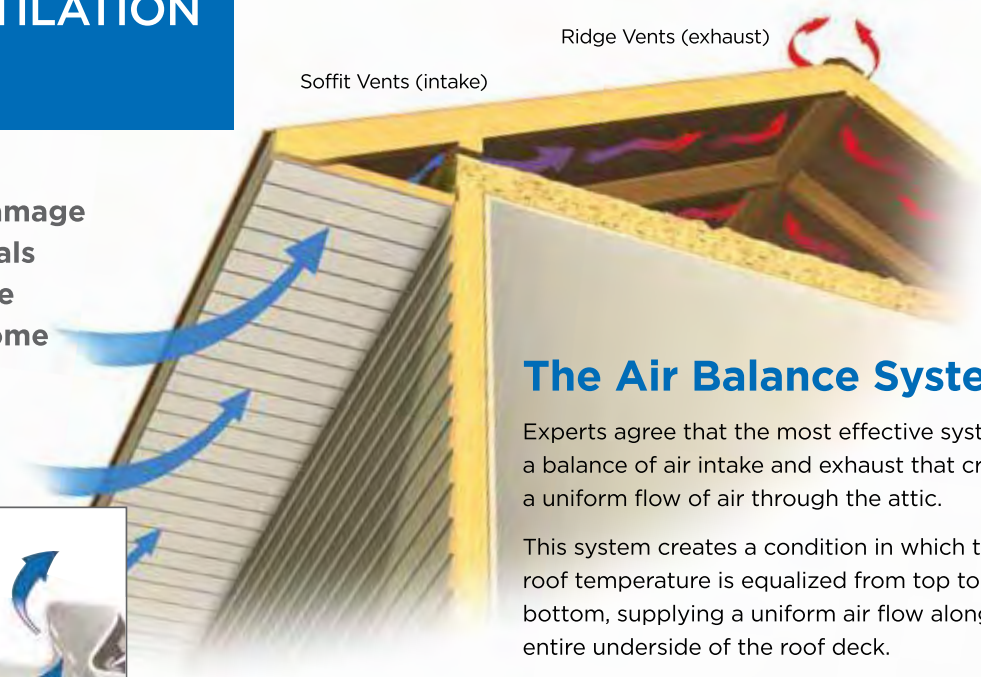


InvisiVent Triple 3-1/3" and Perimeter Hidden Vent offers at least 50% more ventilation than most standard vinyl soffit, providing more than 10" of net-free intake area.

This means that not only will InvisiVent provide a balanced ventilation system, but will do so with an overhang as short as 10".

Soffit Vents (intake)

Ridge Vents (exhaust)



The Air Balance System

Experts agree that the most effective system is a balance of air intake and exhaust that creates a uniform flow of air through the attic.

This system creates a condition in which the roof temperature is equalized from top to bottom, supplying a uniform air flow along the entire underside of the roof deck.

Hidden vents provide a smooth, flat non-perforated surface versus most vented soffits with unsightly perforations.



InvisiVent Triple 3-1/3"



Standard vented soffit

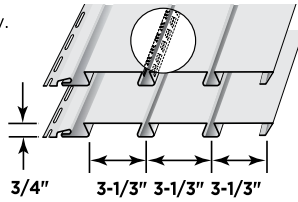
MANSARD SOFFIT

TECHNICAL VENTILATION REQUIREMENTS

Soffit Profile	Net-free intake area/ Square Foot	Panel Thickness
InvisiVent Triple 3-1/3" Hidden Vent	> 10"	.044"
Perimeter Triple 3-1/3" Hidden Vent	9.65"	.040"
Ironmax Double 5" Fully Vented	6.4"	.046"
Beaded Triple 2" Invisibly Vented	1.6"	.039"
Universal Triple 4" Fully Vented	5.9"	.040"
Universal Triple 4" Center Vented	2"	.040"
Universal Double 5" Fully Vented	6.4"	.040"
Value Triple 4" Fully Vented	5.9"	.036"
Value Triple 4" Center Vented	2"	.036"
Value Double 5" Fully Vented	6.4"	.036"

InvisiVent Triple 3-1/3"

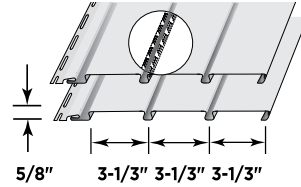
- ◆ 8 low-gloss colors.
- ◆ Heavy-duty .044" thickness for rigidity.
- ◆ InvisiVent is the only vinyl soffit to provide more than 10 inches of net-free intake area.
- ◆ Hidden Vent† and solid styles.
- ◆ Matte finish looks like freshly painted wood.
- ◆ Concealed intake vents provide a smooth appearance.
- ◆ Deep 3/4" panel projection creates sharp definition.



PermaCOLOR™ System assures color performance, resistance and durability. Utilizing the newest technology and state-of-the-art formulations, CertainTeed backs their vinyl siding with PermaCOLOR Lifetime Fade Protection.

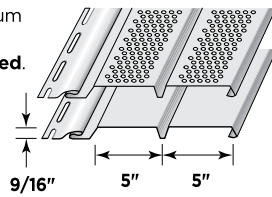
Perimeter Triple 3-1/3"

- ◆ 10 low-gloss colors.
- ◆ .040" thickness.
- ◆ Hidden vent style provides up to 9.65" of net-free intake area.
- ◆ Hidden Vent and solid styles.†
- ◆ Concealed intake vents provide a smooth appearance.



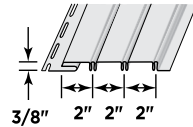
Ironmax™ Double 5"

- ◆ 10 low-gloss woodgrain colors (sable brown for soffit applications only).
- ◆ Extra-thick .046" construction for optimum strength and flat face appearance.
- ◆ 6.4" of net-free air per sq. ft. – fully vented.
- ◆ Solid and fully vented styles.†
- ◆ Designed for vertical siding, porch ceiling and soffit applications.
- ◆ Unique post-formed lock design helps ensure secure installation.



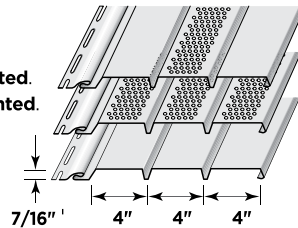
Beaded Triple 2"

- ◆ 8 low-gloss colors.
- ◆ .039" thickness.
- ◆ 1.6" of net-free air per sq. ft. – invisibly vented.
- ◆ Wainscot style in solid and invisibly vented.†
- ◆ Designed for vertical siding, porch ceiling and soffit applications.
- ◆ Smooth finish appearance of professionally applied paint.
- ◆ Extra-long slip-lock design helps provide secure installation.



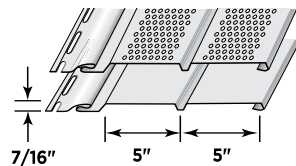
Universal Triple 4"

- ◆ 29 low-gloss colors.
- ◆ .040" thickness.
- ◆ 5.9" of net-free air per sq.ft. – fully vented.
- ◆ 2" of net-free air per sq. ft. – center vented.
- ◆ Solid, fully vented and center vented styles.†
- ◆ Matte finish.
- ◆ Designed for vertical siding, porch ceiling and soffit applications.
- ◆ Post-formed lock design helps provide secure installation.



Universal Double 5"

- ◆ 9 low-gloss colors.
- ◆ .040" thickness with partial roll over nail hem.
- ◆ 6.4" of net-free air per sq. ft. – fully vented.
- ◆ Solid and fully vented styles.†
- ◆ Woodgrain finish.
- ◆ Soffit applications only for both styles.



Value Triple 4" & Double 5" Soffit

Triple 4": colonial white, desert tan, natural clay, sandstone beige, savannah wicker, snow.
Double 5": colonial white.

All CertainTeed Soffits Feature:

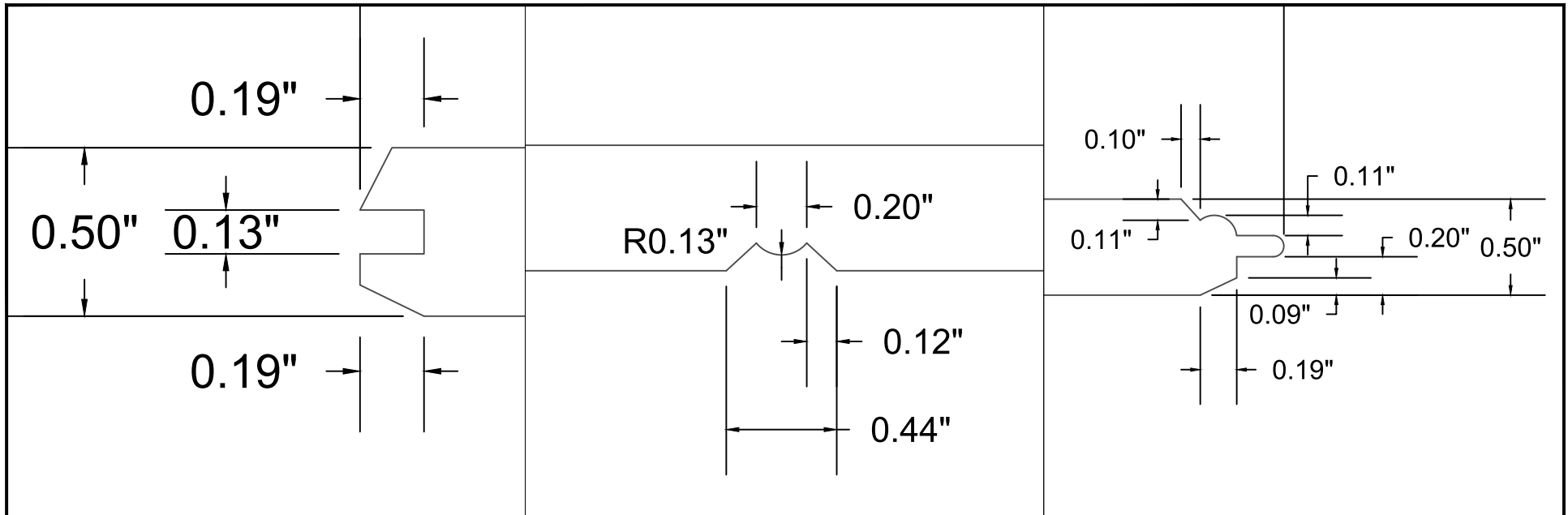
- ◆ Virtually maintenance free, never needs painting.
- ◆ Class 1(A) fire rating.
- ◆ Lifetime limited warranty.

	InvisiVent® Triple 3-1/3"	Perimeter™ Triple 3-1/3"	IronMax™ Double 5"	Beaded Triple 2"	Universal Triple 4"	Universal Double 5" (soffit use only)	Value Triple 4" (soffit use only)	Value Double 5" (soffit use only)
Black ** (soffit use only)	●†	●†			●†			
Musket Brown ** (soffit use only)					●†			
Brownstone					●			
Melrose					●			
Autumn Red					●			
Slate					●			
Espresso					●			
Sable Brown			●†		●			
Hearthstone					●			
Forest					●			
Midnight Blue					●			
Pacific Blue					●			
Flagstone					●			
Charcoal Gray			●		●			
Castle Stone					●			
Granite Gray	●	●	●		●			
Sterling Gray			●	●	●	●		
Bermuda Blue				●	●			
Oxford Blue					●			
Cypress					●			
Herringbone			●		●	●		
Sandstone Beige	●	●	●	●	●	●	●	
Desert Tan	●	●	●	●	●	●	●	
Natural Clay	●	●	●	●	●	●	●	
Savannah Wicker	●	●	●	●	●	●	●	
Light Maple			●		●	●		
Buckskin					●			
Heritage Cream					●			
Snow	●	●	●	●	●	●	●	
Colonial White	●	●	●	●	●	●	●	●

** PREMIUM COLORS † SOFFIT USE ONLY

† Vented soffits are for soffit use only.
Center vented soffits available in colonial white and snow only.

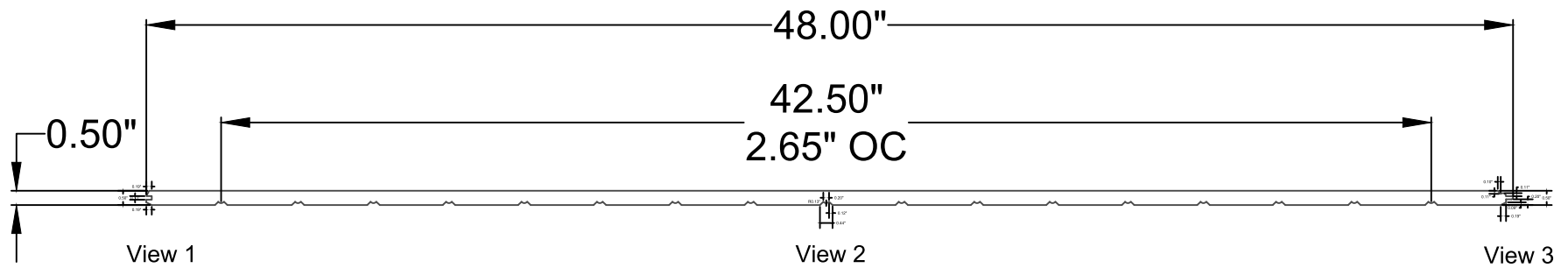
NOTE: Colors throughout this brochure are simulated.
Consult product samples before making final selection.



View 1

View 2

View 3



BEADBOARD SOFFIT AT REAR AND SIDE CANOPY

AZEK BUILDING PRODUCTS
 WWW.AZEK.COM
 (877) ASK-AZEK



1/2" x 4' Beadboard Sheet | Traditional

8' - AS01248096ECB

1/2" x 4' x 8' Beaded Sheet

STOREFRONT WINDOWS

Features

- Trifab® 451UT is 4-1/2" (114.3) deep with a 2" (50.8) sightline
- Center Plane glass applications
- Flush glazed from either the inside or outside
- Screw Spline fabrication
- Screw Spline Pre-Glazed option
- Dual IsoLock® lanced and debridged thermal break
- Infill options up to 1-1/8" (28.6) thickness
- High performance sill flashing
- Permanodic® anodized finishes option
- Painted finishes in standard and custom choices

Optional Features

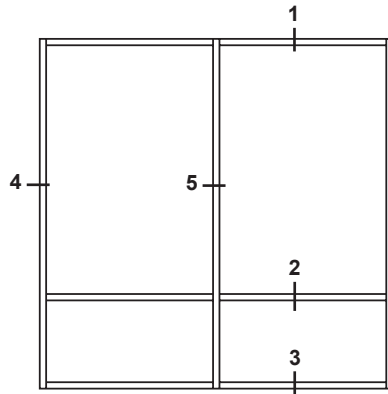
- Acoustical rating per AAMA 1801 and ASTM E 1425
- Project specific U-factors (See Thermal Charts)
- Integrates with Versoleil® SunShade Outrigger System and Horizontal Single Blade System

Product Applications

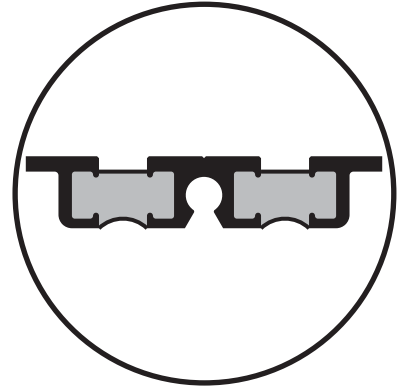
- Storefront, Ribbon Window, Punched Openings or Pre-Glazed
- Single-span
- Integrated entrance framing allowing Kawneer standard entrances or other specialty entrances to be incorporated
- Kawneer windows, GLASSvent® UT windows are easily incorporated

For specific product applications,
consult your Kawneer representative.

Additional information and CAD details are available at www.kawneer.com



ELEVATION IS NUMBER KEYED TO DETAILS

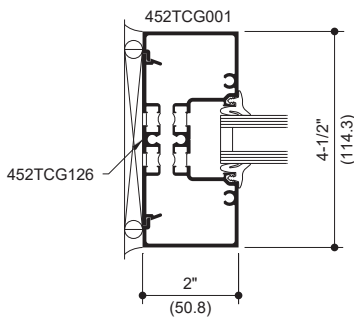


DUAL IsoLock® THERMAL BREAK

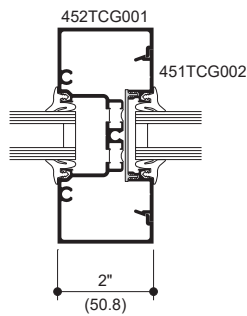
SCREW SPLINE

Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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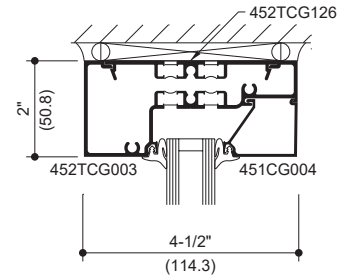


4 JAMB

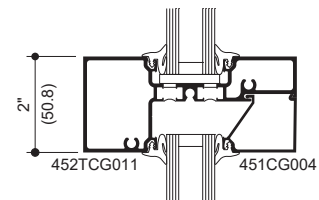


5 VERTICAL

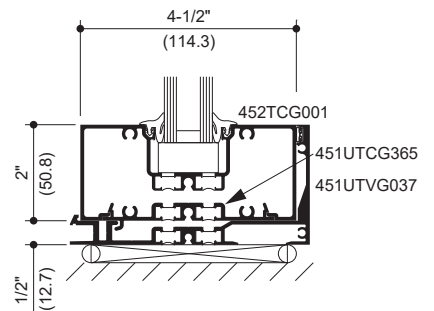
1 HEAD



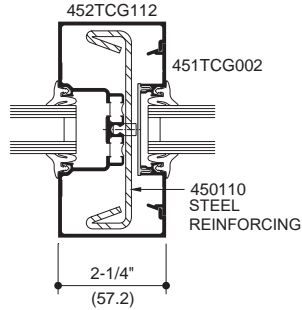
2 HORIZONTAL



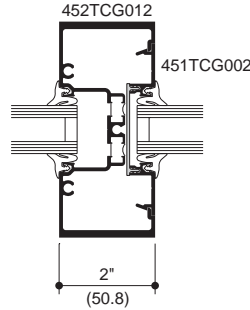
3 SILL



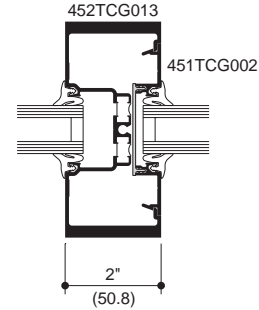
Additional information and CAD details are available at www.kawneer.com



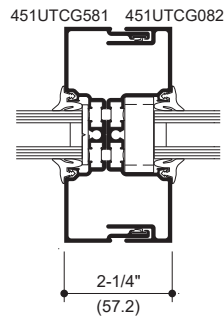
**2-1/4" (57.2) MULLION
W/ STEEL**



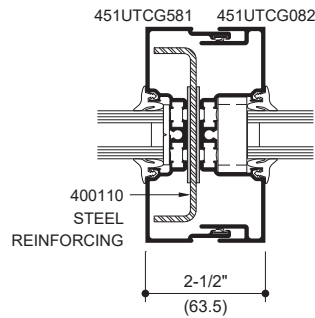
**MEDIUM WEIGHT
MULLION**



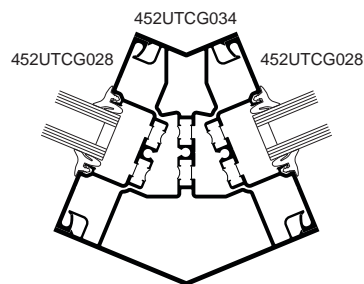
**HEAVY WEIGHT
MULLION**



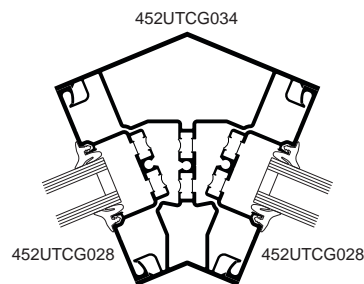
**PRE-GLAZED
EXPANSION MULLION**



**PRE-GLAZED
EXPANSION MULLION
WITH OPTIONAL STEEL**



**135° CORNER
(THERMAL)**



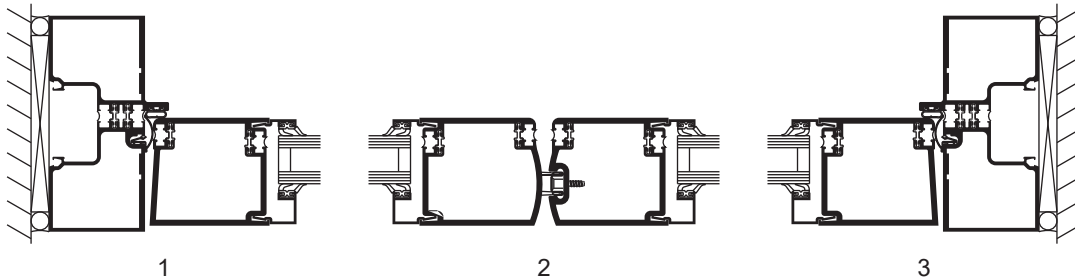
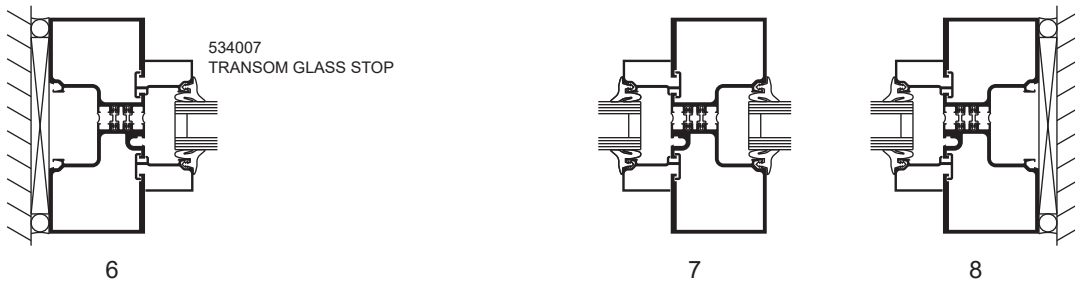
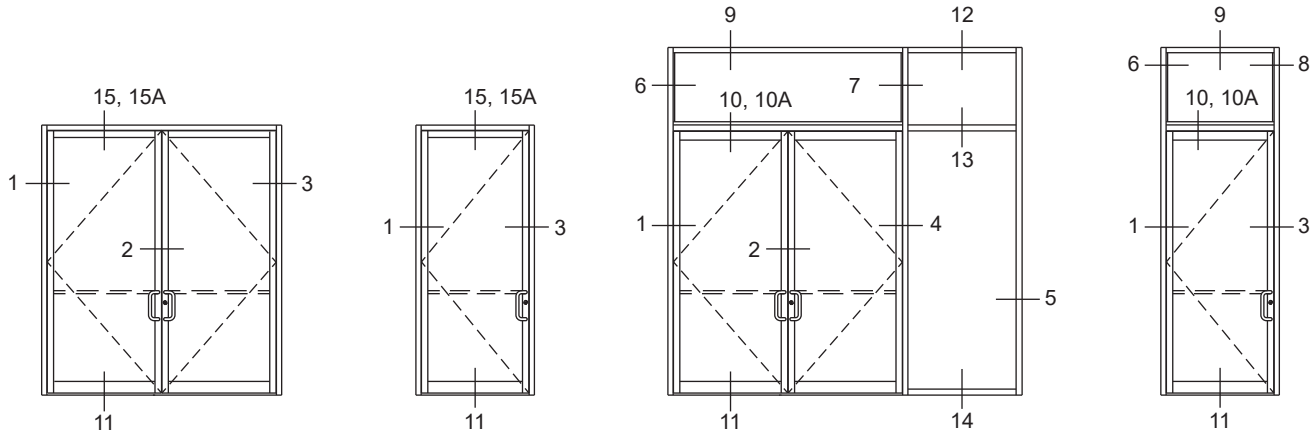
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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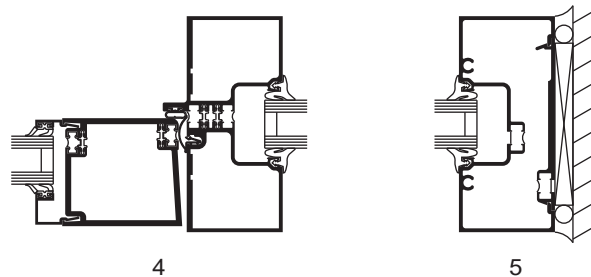
Additional information and CAD details are available at www.kawneer.com

NOTE:

1. SERIES 250T NARROW STILE DOORS ARE DETAILED, MEDIUM STILE 350T DOORS AND WIDE STILE 500T DOORS ALSO MAY BE USED.
2. TRIFAB® VG 451T CENTER, 2" x 4-1/2" (50.8 x 114.3) FRAMING IS DETAILED WITH THE DOORS FOR REFERENCE. OTHER KAWNEER FRAMING SERIES OR CURTAIN WALL SYSTEMS MAY BE USED.



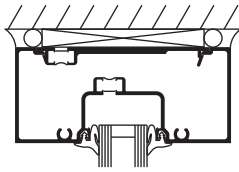
SINGLE ACTING DOORS



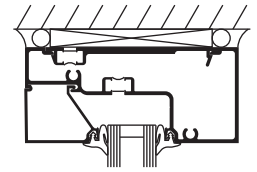
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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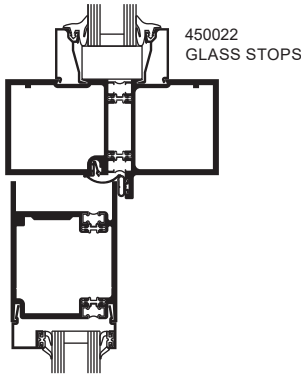


9



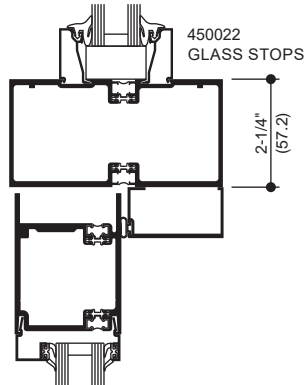
12

SINGLE ACTING DOORS

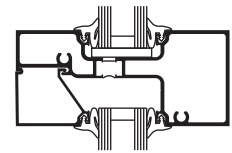


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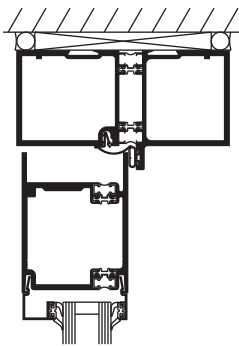
COC WITH SINGLE ACTING OFFSET ARM



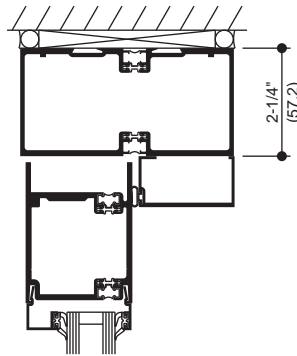
10A



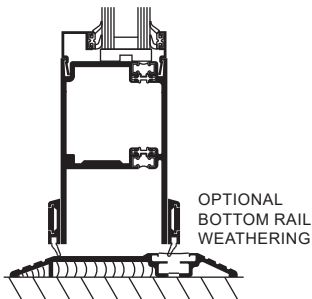
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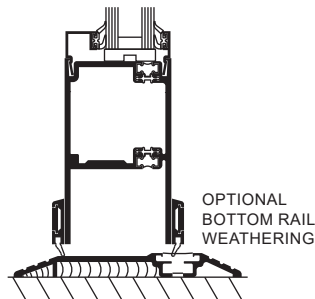
15



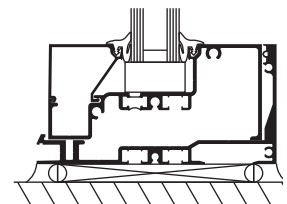
15A



11



11



14

SURFACE OVERHEAD CLOSER

CONSEALED OVERHEAD CLOSER

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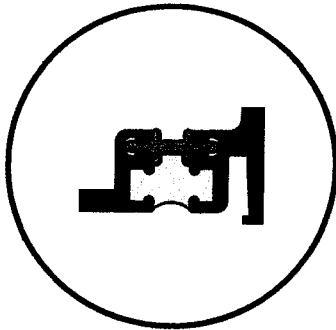
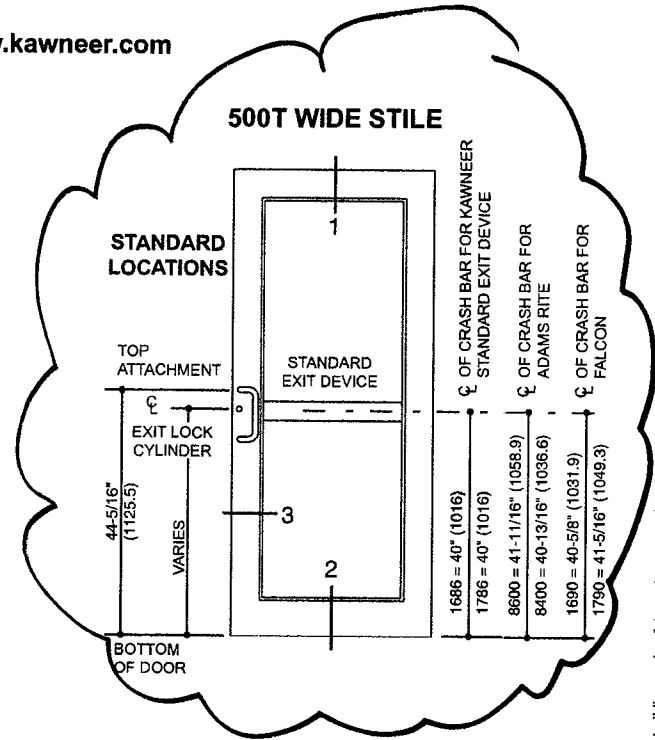
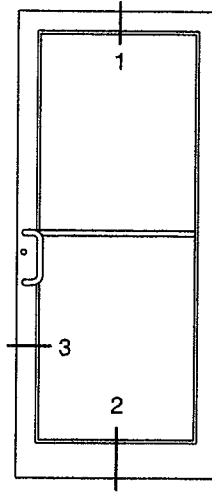
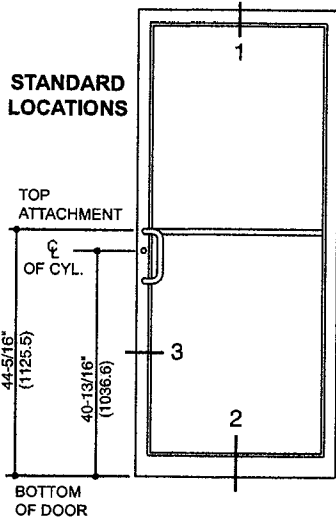
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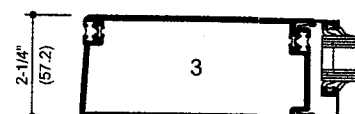
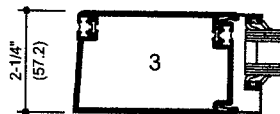
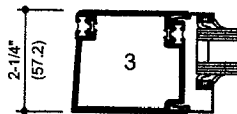
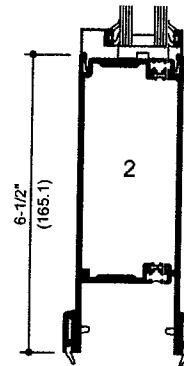
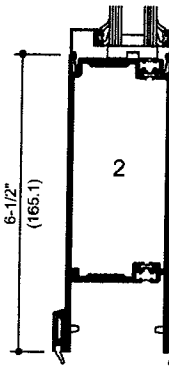
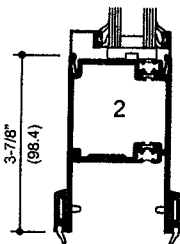
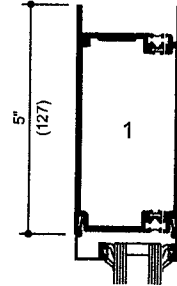
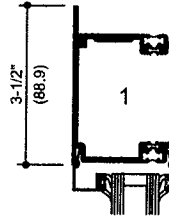
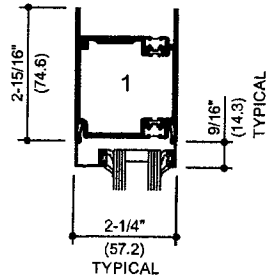
250T NARROW STILE

350T MEDIUM STILE

500T WIDE STILE



IsoPour® THERMAL BREAK



250T NARROW STILE SINGLE ACTING

350T MEDIUM STILE SINGLE ACTING

500T WIDE STILE SINGLE ACTING

Note: 1-1/2" (38.1) Triple Insulating Glass Unit infill available.





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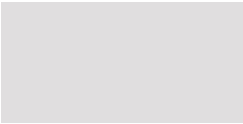
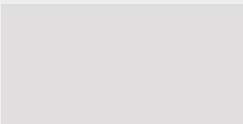


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Product	250T Insulpour® Thermal Entrances	350T Insulpour® Thermal Entrances	500T Insulpour® Thermal Entrances	AA®250 Thermal Entrances
Catalog Section	Entrances	Entrances	Entrances	Entrances
Typical Detail				
Sightline	2-1/2"	3-1/2"	5"	2-1/2"
Depth	2-1/4"	2-1/4"	2-1/4"	2-1/4"
Applications	Moderate Traffic	Moderate to High Traffic	High Traffic	Moderate Traffic
Infill Options	1"	1"	1"	1"
Cross Rails/Muntins	Cross Rails	Cross Rails	Cross Rails	Yes
Thermal	Yes	Yes	Yes	Yes
2 Color Option	Yes	Yes	Yes	Yes
Product Description	250T is a thermally broken entrance system, both door and door frame are thermally broken. The door features the dual-moment corner construction and is engineered for use with Kawneer's Trifab® VersaGlaze® 451T, 451UT, 601T, and 601UT framing system.	350T offers the same performance features as the 250T except in a medium stile design.	500T offers the same performance features as the 250T except in a wide stile design.	AA®250 is a thermally broken entrance system, both door and door frame are thermally broken. The door features the dual-moment corner construction and is engineered for use with Kawneer's Trifab® VersaGlaze® 451T framing system.
Testing for Protective Glazing	—	Small Missile Large Missile Blast Mitigation	Small Missile Large Missile Blast Mitigation	Large Missile
Performance Class/Rating	—	+/- 70 PSF Max.	+/- 70 PSF Max.	+/- 45 PSF
Performance Test Standards	AAMA 507 AAMA 925 AAMA 1503 ASTM E90 ASTM E283 ASTM E330 ASTM E331 NFRC 100/200/500	AAMA 507 AAMA 925 AAMA 1503 ASTM E90 ASTM E283 ASTM E330 ASTM E331 ASTM E1886 ASTM E1996 ASTM F2927 GSA T501-2003 NFRC 100/200/500 UFC 4-010-01	AAMA 507 AAMA 925 AAMA 1503 ASTM E90 ASTM E283 ASTM E330 ASTM E331 ASTM E1886 ASTM E1996 ASTM F2927 GSA T501-2003 NFRC 100/200/500 UFC 4-010-01	AAMA 925 AAMA 1304 ASTM E283 ASTM E330 ASTM E331 ASTM E1886 ASTM E1996

KAWNEER ANODIZED FINISHES

Kawneer gives you a wide variety of anodized finishes with attractive alternatives. The benefit of a durable, anodized finish is married to the beauty of some very dynamic and exciting colors.

At the start of every design, there's a choice of how you want to finish. Contact your Kawneer sales rep for the information on these and other finishes available from Kawneer.

	KAWNEER FINISH NO.	COLOR	ALUMINUM ASSOCIATION SPECIFICATION	OTHER COMMENTS
	#14	CLEAR	AA-M10C21A41	Architectural Class I (0.7 mils minimum)
	#17	CLEAR	AA-M10C21A31	Architectural Class II (0.4 mils minimum)
	#40	DARK BRONZE	AA-M10C21A44	Architectural Class I (0.7 mils minimum)
	#29	BLACK	AA-M10C21A44	Architectural Class I (0.7 mils minimum)

ASSA ABLOY

1-3/4" IMPERIAL (IU) POLYURETHANE CORE

FLUSH AND EMBOSSED PANEL STEEL DOORS

BEVELED LOCK EDGE, HANDED

FULL FLUSH OR SEAMLESS STYLE...

FOAMED-IN-PLACE POLYURETHANE CORE FILLS ENTIRE DOOR CAVITY. CORE IS CHEMICALLY BONDED TO ALL INTERIOR SURFACES. HIGH IMPACT RESISTANCE.

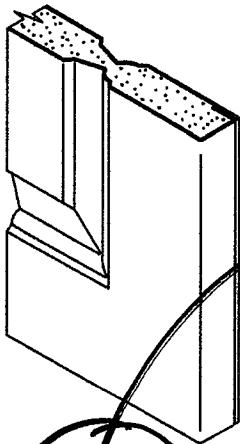
EXCELLENT INSULATION CHARACTERISTICS.

SUGGESTED USE:

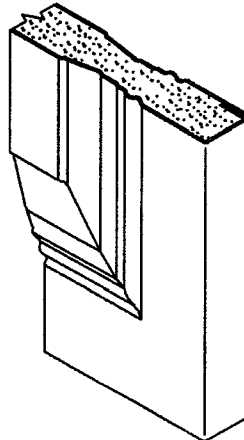
INTERIOR OR EXTERIOR...

- CONDOMINIUMS
- DORMITORIES
- MOTELS/HOTELS
- OFFICE BUILDINGS
- URBAN RENEWAL
- HEALTH CARE
- INSTITUTIONAL
- DATA PROCESSING
- MERCANTILE
- FOOD PROCESSING

FLUSH DESIGNS SIMILAR LESS EMBOSSED PANEL



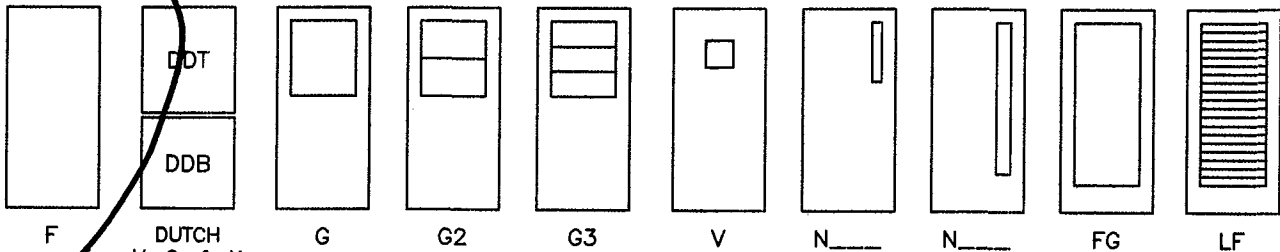
EXIT ONLY DOORS



EMBOSSED PANEL DESIGNS:
6 PANEL
CROSSBUCK

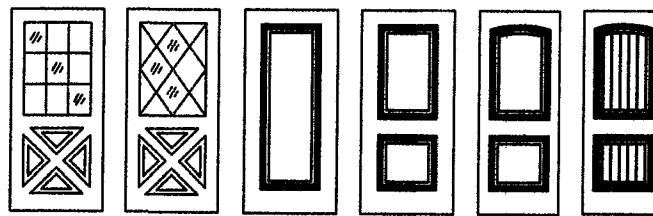
HIGH DEFINITION EMBOSSED
PANEL DESIGNS:
1 & 2 PANEL

FLUSH DESIGNS

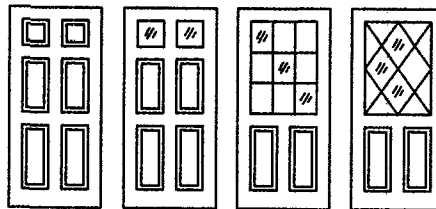


DUTCH
V, G, & N
DESIGNS AVAILABLE

EMBOSSED PANEL DESIGNS



EC05 EC04 E101 E201 E202 E203



E601 E609 E605 E604

	1 PANEL	2 PANEL	6 PANEL	CROSS BUCK & LITES
MAX. SIZE	3'0"x8'0"	3'0"x8'0"	3'0"x7'0"	3'0"x7'0"
MIN. SIZE	2'8"x6'8"	2'8"x6'8"	2'6"x6'8"	2'8"x6'8"

04/06/22

D3-4

STANDARD SIZES NOMINAL DOOR OPENING

WIDTH		HEIGHT
SINGLE	DOUBLE	
2'-0"	4'-0"	6'-8"
2'-4"	4'-8"	
2'-6"	5'-0"	
2'-8"	5'-4"	
2'-10"	5'-8"	
3'-0"	6'-0"	
3'-4"	6'-8"	
3'-6"	7'-0"	
3'-8"	7'-4"	
3'-10"	7'-8"	
4'-0"	8'-0"	9'-0"

PRODUCT SPECIFICATIONS:

1-3/4" Thick steel doors shall be as manufactured by Ceco Door Products, Milan, TN USA. Doors shall conform to the Steel Door Institute guide specification, ANSI A250.8; see chart below for performance classifications.

IMPERIAL doors are made full-flush or (optional) seamless style. Face sheets are commercial quality cold rolled steel conforming to ASTM A1008 and A568...or (optional) hot-dipped galvanized or galvanized steel conforming to ASTM A924 and A653 -- see chart below.

Imperial full-flush doors have mechanically interlocked, hemmed, hairline seams on vertical edges and have no visible seams on faces. Doors specified "seamless" have no visible seams on faces or vertical edges (S.D.I. Model 2). Face sheets are totally supported by a foamed-in-place polyurethane core. The core fills the entire door cavity and is chemically bonded to all interior surfaces. Density of foam exceeds 1.8 pcf and it has a crush strength of 3600 psf. The top and bottom door edges are closed with 16 gage steel channels welded to both face sheets.

Hardware Provisions: Hinge preparations are handed. Hinge edges are mortised for 4-1/2" or 5" high, standard and heavy weight hinges (specify which). 7 gage steel hinge reinforcements are welded inside the door edge and are drilled and tapped for fasteners in accordance with ANSI A156.7. The lock edge has a standard bevel (1:16) and is prepared for Gov. series 86, 160/161, or 90 locks in accordance with ANSI A115 (specify which). Optional closer reinforcement is a 14 gage steel channel.

Paint: 1-3/4" steel doors shall be provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. "Colorstyle" finish coat is also available from a selection of standard colors (optional). Colorstyle finish is electrostatically applied, oven-cured urethane enamel and shall conform to ANSI A250.3. For accurate color selectors ask for a Ceco Colorstyle chart.

FIRE DOORS

LABELING AGENCY:	
<ul style="list-style-type: none"> • UL LLC (UL) • WARNOCK HERSEY (WH) 	
TEST: UL 10C, UL 10B, UL 1784, & NFPA 252	
<ul style="list-style-type: none"> • DESIGNS: F, G, N, V, E1, E2, E6 or ECB. • RATING: (18, 16 & 14 GAGE) 1/3 HR, 3/4 HR, 1 HR, 1-1/2 or 3 HR. MAX. SIZE: 4'0" x 7'0" SINGLE MAX. SIZE: 6'0" x 7'0" PAIR 	
NOT ALL RATINGS ARE AVAILABLE IN ALL SIZES, DESIGNS, AND MATERIALS.	

SIZE LIMITS - DESIGNS

	FLUSH DESIGN	1 & 2 PANEL	6 PANEL	CROSS BUCK & LITES
MAX.	4'0"x9'0"	3'0"x8'0"	3'0"x7'0"	3'0"x7'0"
MIN.	2'0"x6'8"	2'8"x6'8"	2'6"x6'8"	2'8"x6'8"

EXEPTIONS:

- E1, E2 & E6 designs: mortise lock preparation limited to 3'0" width.
- 1 & 2 panel doors are available in 18 gage face sheets only.
- Crossbuck doors are available in 20 & 18 gage face sheets only.
- 6 panel is available in 20, 18, & 16 gage.
- Panel design door face sheets are formed from A40 galvanized steel.

MATERIAL

DOOR FACE SHEETS	LEVEL	C.R.	GALV		RECOMMENDED DOOR FRAME MATERIAL
			A60	G90	
20 Gage Steel (4080 max.)	Standard Duty	N/A	STD	N/A	16 Gage Steel
18 Gage Steel	Heavy Duty	STD	OPT	OPT	16 Gage Steel
16 Gage Steel	Extra heavy Duty	STD	OPT	OPT	16 or 14 Gage Steel

PERFORMANCE

Thermal Characteristic Value:	CORE CALCULATED (ASTM C518)	
		R = 11.01
*NFRC 102-2014 & ASTM FLUSH DOOR WITH MERCURY FRAME	R = 2.63	U = 0.38
*NFRC 102-2014 & ASTM FLUSH DOOR WITH WEATHERKERF FRAME	R = 2.63	U = 0.38
*NFRC 102-2014 & ASTM FLUSH DOOR WITH STANDARD FRAME	R = 2.50	U = 0.40
*NFRC 102-2014 & ASTM EMBOSSED DOOR WITH MERCURY FRAME	R = 2.56	U = 0.39
*NFRC 102-2014 & ASTM EMBOSSED DOOR WITH WEATHERKERF FRAME	R = 2.63	U = 0.38
*NFRC 102-2014 & ASTM EMBOSSED DOOR WITH STANDARD FRAME	R = 2.44	U = 0.41

*NFRC102-2014: The general requirements of testing shall be as defined in NFRC 102, ASTM C1199 and ASTM C1363.

Sound Transmission Class:	STC 26 (F Design, 18 Gage Face Sheets, ASTM E90 & E413 [Fully Operable])
Physical Endurance Level:	Meets ANSI A250.4 Performance Test, 20 GAGE: Level B (500,000 Cycles); 18 and 16 Gage: Level A (1,000,000 Cycles)

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)



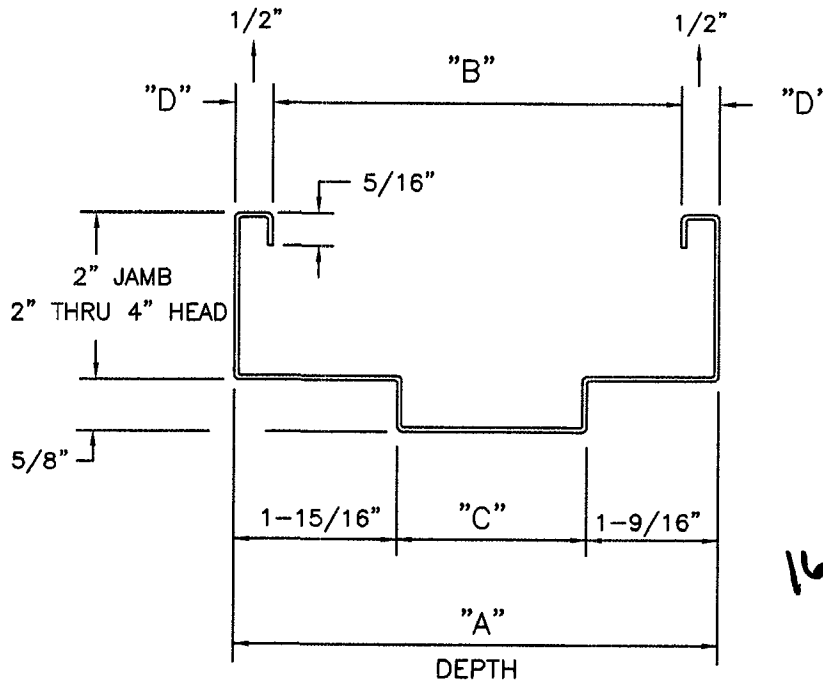
Experience a safer and more open world

04/06/22

F5-1

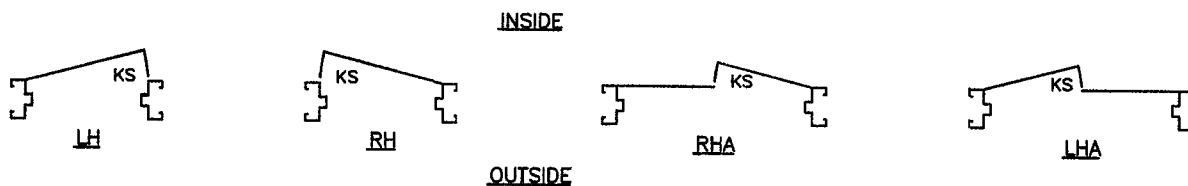
ASSA ABLOY

SERIES DU SLIP-ON DRYWALL FRAMES
FOR 1-3/4" THICK DOORS
HANDED



DEPTHS RANGING FROM 4-1/2" TO 14" ARE AVAILABLE.
 DIMENSION "D" IS AVAILABLE IN 7/16", 9/16", & 5/8" ON CUSTOM DESIGNS.

10/21/19



SUFFIX "A" = ACTIVE LEAF OF PAIRS (Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

"KS" = KEY SIDE

Experience a safer
 and more open world



Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 ASL1-160L-70-4K7-4W-UNV-A-DBT-
 BC-BTS_F
 Notes:

Type:
SA
 LDI24-550684



NEW POLE LIGHTS

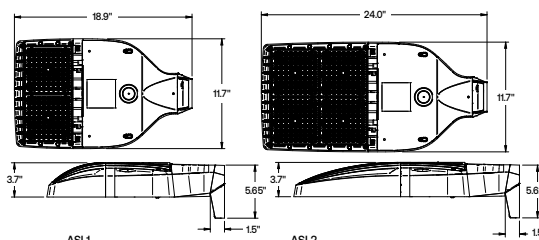
SLING Micro Strike

AREA/SITE/ROAD LIGHTER

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

FEATURES

- Compact sleek design with multiple LED configurations and simple installation
- The SLING includes a square mounting block for easy pole installation or mast arm option for 2-3/8 ft OD roadway brackets
- Capable of replacing up to 1000w HID luminaires
- Micro Strike optical distributions of Type 2, 3, 4F, 4W or 5QW
- Tool-less entry option for easy installation and maintenance
- 1.5G rated for high vibration applications including bridges and overpasses



CONTROL TECHNOLOGY



SERVICE PROGRAMS



SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Separate optical and electrical compartment for improved thermal management and optimum component operation
- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- Premium engineered individual acrylic lenses deliver IES Type 2, 3, 4F, 4W and 5QW distributions
- Lens distributions are field rotatable (in 90° increments) or exchangeable for job site fine-tuning
- 3000K, 4000K or 5000K (70 CRI) CCT
- 80, 160 or 320 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Tool-less entry to wiring/driver compartment optional
- Arm mounting works with S2 drill pattern
- Fixture ships with square mounting block for ease of installation
- Mast arm fitter accessory or option available for 2-3/8" OD brackets with vertical tilt of +3°, 0° or -3°

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40° C to 40° C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Standard 6kV surge protection with optional field replaceable surge protection device provides 20KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is consumed

CONTROLS

- Photo control, occupancy sensor and Zigbee wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application

CERTIFICATIONS

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations on this page are DLC Qualified. Refer to <http://www.designlights.org/> for the most up-to-date list.
- 1.5G rated for ANSI C136.31 high vibration applications
- IP65 optical assembly
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to <https://www.currentlighting.com/resources/america-solutions>)

WARRANTY

- 5 Year warranty

	Weight lbs. (kg)	EPA
ASL1	14.47 (6.56)	.46ft² 0.43m²
ASL2	17.47 (7.92)	.56ft² 0.52m²



Job Name:
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 (Westlake)

Catalog Number:
 ASL1-160L-70-4K7-4W-UNV-A-DBT-
 BC-BTS_F
 Notes:

Type:
SA
 LDI24-550684



SLING Micro Strike
 AREA/SITE/ROAD LIGHTER

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

Gray Shading = Service Program Limit of 15 luminaires **QS10**

ORDERING GUIDE

Example: ASL1-80L-50-3K7-2-UNV-ASQU-BLT-7PRMD-40F

CATALOG #

ORDERING INFORMATION

Series	# LEDs	CCT/CRI	Distribution	Voltage	Mounting
ASL1 ASL Microstrike Series	80L-25 3,000 lm	3K7 3000K, 70 CRI	2 Type II	UNV Universal 120-277V	A Arm for Square poles with S2 drill pattern
	80L-39 4,500 lm	4K7 4000K, 70 CRI	3 Type III	120 120V	A3 Square Arm with 3.25"-3.75" OD RPA3 Adapter
	80L-50 6,000 lm	5K7 5000K, 70 CRI	4F Type 4F	208 208V	A4 Square Arm with 3.875"-4.5" OD RPA4 Adapter
	160L-70 9,000 lm		4W Type 4W	240 240V	A5 Square Arm with 5" OD RPA5 Adapter
	160L-100 12,000 lm		5QW Type 5QW	277 277V	MAF Mast Arm Fitter for 2-3/8" OD
	160L-115 15,000 lm			347 347V	
	160L-135 18,000 lm			480 480V	
ASL2 ASL Microstrike Series	320L-145 21,000 lm				
	320L-170 24,000 lm				
	320L-185 27,000 lm				
	320L-210 30,000 lm				
	320L-235 33,000 lm				
	320L-255 35,000 lm				

Network Control Options	
NXWS16F	NX Networked Wireless Enabled Integral NXSM2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4}
NXWS40F	NX Networked Wireless Enabled Integral NXSM2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4}
NXW	NX Networked Wireless Radio Module NXR2 and Bluetooth Programming, without Sensor ^{3,4}
WIR	LightGRID+ In-Fixture Module ^{3,4}
WIRSC	LightGRID+ Module and Occupancy Sensor ^{3,4}
Stand Alone Sensors	
7PR	7 Pin Receptacle
7PR-SC	7 Pin Receptacle with shorting cap
7PR-MD8F	7 pin receptacle with low voltage sensor at 8' mounting for external control accessory
7PR-MD40F	7 pin receptacle with low voltage sensor at 40' mounting for external control accessory
7PR-TL	7 Pin Receptacle with Photocontrol
Sensors	
BTS_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens ²
BTSO_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens, up to 12' mounting height ³

Options
FI Fusing
BC Backlight Control ⁴
SP 20kA & 10kV Surge Protector

Color
BLT Black Matte Textured
BLS Black Gloss Smooth
DBT Dark Bronze Matte Textured
DBS Dark Bronze Gloss Smooth
GTT Graphite Matte Textured
LGS Light Grey Gloss Smooth
LGT Light Grey Matte Textured
PSS Platinum Silver Smooth
WHT White Matte Textured
WHS White Gloss Smooth
VGT Verde Green Textured
Color Option
CC Custom Color

Notes:

- 1 Must specify Voltage
- 2 Replace "L" with "14" for up to 14' mounting height, "40F" for 15-40' mounting height
- 3 Replace "L" with "12" for up to 12' mounting height
- 4 Not available with 4F optic



Job Name:
HELP Lakewood
Architect: Unknown Architect
Engineer: Gedeon, Frederick & Morsher (Westlake)

Catalog Number:
ASL1-160L-70-4K7-4W-UNV-A-DBT-BC-BTS_F
Notes:

Type:
SA
LDI24-550684



SLING Micro Strike

AREA/SITE/ROAD LIGHTER

OUTDOOR LIGHTING CONTROLS OPTIONS

CONTROLS FUNCTIONALITY



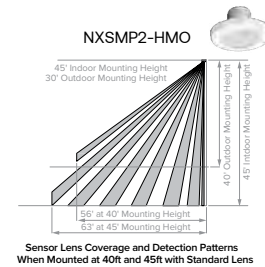
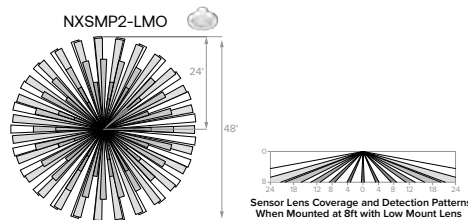
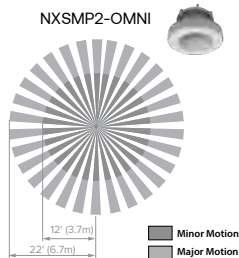
Control Option	Control Option Ordering Logic & Description	Control Option Functionality									Control Option Components	
		Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NX Wireless	NXW	✓	✓	✓	-	-	✓	✓	✓	-		NXRM2-H
	NXWS12F	✓	✓	✓	✓	✓	✓	✓	✓	12ft		NXSMP2-OMNI-O
	NXWS16F	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
	NXWS40F	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
LightGRID+	WIR	✓	-	✓	-	-	✓	✓	Gateway	-		
	WIRSC	✓	✓	✓	✓	✓	✓	✓	Gateway	14ft - 40ft		BTMSP
Independent	BTSO-12F	-	-	-	✓	✓	✓	✓	✓	12ft		BTSMP-OMNI-O
	BTS-14F	-	-	-	✓	✓	✓	✓	✓	14ft		BTSMP-LMO
	BTS-40F	-	-	-	✓	✓	✓	✓	✓	40ft		BTSMP-HMO

DEFAULT SETTINGS

NX Wireless	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	15 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0%
	Daylight Sensor	Disabled
	Bluetooth	Enabled
	2.4GHz Wireless Mesh	On
	*Passcode Factory Passcode: HubbN3T!	Enabled

Stand Alone	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	50%
	Daylight Sensor	Disabled

NX WIRELESS COVERAGE PATTERNS



NX LIGHTING CONTROLS FREE APP

CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&gl=US



Apple App



Google Play



currentlighting.com/exo

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Page 3 of 13
Rev 09/28/23
SLING MicroStrike V2_R04



Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 ASL1-160L-70-4K7-4W-UNV-A-DBT-BC-BTS_F
 Notes:

Type:
SA
 LDI24-550684



SLING Micro Strike

AREA/SITE/ROAD LIGHTER

OUTDOOR LIGHTING CONTROLS OPTIONS

CONTROLS FUNCTIONALITY

	Control Option Ordering Logic & Description	Control Option Functionality									Control Option Components
		Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height	
Independent	7PR 7-Pin Receptacle	-	-	Paired with external control	-	Paired with external control	-	Paired with external control	-	-	7PR
	7PR-SC 7-Pin Receptacle with shorting cap	-	-	-	-	-	-	-	-	-	7PR-SC
	7PR-TL 7-Pin with photocontrol	-	-	-	-	✓	-	✓	-	-	7PR-TL

**Job Name:**HELP Lakewood
Architect: Unknown Architect
Engineer: Gedeon, Frederick & Morsher
(Westlake)**Catalog Number:**ASL1-160L-70-4K7-4W-UNV-A-DBT-
BC-BTS_F

Notes:

Type:**SA**

LDI24-550684

**SLING Micro Strike**

AREA/SITE/ROAD LIGHTER

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

ACCESSORIES (ORDERED SEPARATELY)

Catalog Number	Description
<input type="checkbox"/> ASL1-HSS-90-B-XXX ¹	House Side Shield Back 90 deg
<input type="checkbox"/> ASL1-HSS-90-F-XXX ¹	House Side Shield Front 90 deg
<input type="checkbox"/> ASL1-HSS-90-S-XXX ¹	House Side Shield Side 90 deg
<input type="checkbox"/> ASL1-HSS-270-BSS-XXX ¹	House Side Shield Back, Side & Side 270 deg
<input type="checkbox"/> ASL1-HSS-270-FSS-XXX ¹	House Side Shield Front, Side & Side 270 deg
<input type="checkbox"/> ASL1-HSS-270-FSB-XXX ¹	House Side Shield Front, Side & Back 270 deg
<input type="checkbox"/> ASL1-HSS-360-XXX ¹	House Side Shield 360 deg
<input type="checkbox"/> ASL2-HSS-90-B-XXX ¹	House Side Shield Back 90 deg
<input type="checkbox"/> ASL2-HSS-90-F-XXX ¹	House Side Shield Front 90 deg
<input type="checkbox"/> ASL2-HSS-90-S-XXX ¹	House Side Shield Side 90 deg
<input type="checkbox"/> ASL2-HSS-270-BSS-XXX ¹	House Side Shield Back, Side & Side 270 deg
<input type="checkbox"/> ASL2-HSS-270-FSS-XXX ¹	House Side Shield Front, Side & Side 270 deg
<input type="checkbox"/> ASL2-HSS-270-FSB-XXX ¹	House Side Shield Front, Side & Back 270 deg
<input type="checkbox"/> ASL2-HSS-360-XXX ¹	House Side Shield 360 deg
<input type="checkbox"/> ASL-MAF	Mast arm kit with wildlife shield for mounting on 2 3/8" OD arms
<input type="checkbox"/> SETA2-XX ¹	Square pole tenon adapter (4 at 90 degrees) (2 3/8" OD tenon)
<input type="checkbox"/> RETA2-XX ¹	Round pole tenon adapter (4 at 90 degrees) (2 3/8" OD tenon), requires CL1S-RPA4-ACC-XX for each luminaire
<input type="checkbox"/> RARBC80L	Backlight Control 80L
<input type="checkbox"/> RARBC160L	Backlight Control 160L
<input type="checkbox"/> RARBC320L	Backlight Control 320L
<input type="checkbox"/> RARBC480L	Backlight Control 480L
<input type="checkbox"/> CL1S-RPA*-ACC-CC ¹	Round Pole Adapter (*denotes pole diameter 3=3.25"-3.75", 4=3.875"-4.5", 5=5" and paint color replaces CC)
<input type="checkbox"/> ASL-ARMMTG-XX ¹	Arm mounting kit for side of pole attachment
<input type="checkbox"/> WB-AREA-XX ¹	Wall bracket, Compatible with standard arm mount option
<input type="checkbox"/> ASL-MAF	Mast arm kit with wildlife shield for mounting on 2 3/8" OD arms

1 Replace XX or XXX with color choice, eg: DB for Dark Bronze or BLT for Black Matte Textured



Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 ASL1-160L-70-4K7-4W-UNV-A-DBT-
 BC-BTS_F
 Notes:

Type:
SA
 LDI24-550684



SLING Micro Strike
 AREA/SITE/ROAD LIGHTER

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
				Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G
ASL1	25	25.4	2	3430	135	2	0	2	3413	134	2	0	2	3225	127	2	0	2
			3	3465	136	2	0	2	3448	136	2	0	2	3259	128	2	0	2
			4F	3204	126	1	0	1	3201	126	1	0	1	3127	123	1	0	1
			4W	3401	134	2	0	3	3384	133	2	0	3	3198	126	2	0	3
			5QW	3483	137	4	0	2	3466	136	4	0	2	3274	129	4	0	2
	39	38.0	4F	5005	132	1	0	1	5000	132	1	0	1	4885	129	1	0	1
			2	5232	138	3	0	3	5206	137	3	0	3	4919	129	3	0	3
			3	5287	139	2	0	2	5260	138	2	0	2	4971	131	2	0	2
			4W	5188	137	2	0	3	5163	136	2	0	3	4879	128	2	0	3
			5QW	5319	140	4	0	2	5292	139	4	0	2	4975	131	4	0	2
	50	49.7	2	6295	127	2	0	2	6263	126	2	0	2	5918	119	2	0	2
			3	6361	128	2	0	2	6329	127	2	0	2	5981	120	2	0	2
			4F	6407	129	1	0	2	6401	129	1	0	2	6254	126	1	0	2
			4W	6243	126	2	0	3	6212	125	2	0	3	5870	118	2	0	3
			5QW	6392	129	4	0	2	6360	128	4	0	2	6009	121	4	0	2
	70	68.4	2	9460	138	3	0	3	9413	138	3	0	3	8895	130	3	0	3
			3	9559	140	2	0	2	9512	139	2	0	2	8989	131	2	0	2
			4F	8988	131	2	0	2	8979	131	2	0	2	8772	128	2	0	2
			4W	9382	137	2	0	3	9335	136	2	0	3	8822	129	2	0	3
			5QW	9610	140	4	0	2	9562	140	4	0	2	9034	132	4	0	2
	100	88.0	2	11939	136	2	0	2	11885	135	2	0	2	11232	128	2	0	2
			3	12064	138	2	0	2	12010	136	2	0	2	11349	129	2	0	2
			4F	12832	146	2	0	2	12819	146	2	0	2	12524	142	2	0	2
			4W	11840	135	2	0	3	11787	135	2	0	3	11138	127	2	0	3
			5QW	12132	138	4	0	2	12071	138	4	0	2	11404	130	4	0	2
	115	109.7	2	15651	143	2	0	2	15577	142	2	0	2	14977	137	2	0	2
			3	15487	141	2	0	2	15413	140	2	0	2	14820	135	2	0	2
			4F	14754	134	2	0	2	14740	134	2	0	2	14401	131	2	0	2
			4W	15305	140	2	0	3	15232	139	2	0	3	14646	134	2	0	3
			5QW	15731	143	4	0	2	15632	143	4	0	2	15031	137	4	0	2
135	133.3	2	18089	136	3	0	3	17999	135	3	0	3	17275	130	3	0	3	
		3	17863	134	2	0	2	17777	133	2	0	2	17094	128	2	0	2	
		4F	17317	130	3	0	3	17300	130	3	0	3	16902	127	2	0	3	
		4W	17653	133	2	0	3	17568	132	2	0	3	16893	127	2	0	3	
		5QW	18155	136	4	0	2	18030	135	4	0	2	17338	130	4	0	2	

ASL2 Performance Data on next page

¹ VAC input Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations. Actual performance may differ as a result of end-user environment and application.



Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
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 BC-BTS_F
 Notes:

Type:
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SLING Micro Strike
 AREA/SITE/ROAD LIGHTER

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
				Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G
ASL2	145	143.0	2	21007	147	3	0	4	20902	146	3	0	4	20061	140	3	0	4
			3	20842	146	3	0	4	20738	145	3	0	4	19904	139	3	0	4
			4F	19490	136	3	0	3	19471	136	3	0	3	19023	133	3	0	3
			4W	20595	144	3	0	5	20492	143	3	0	5	19669	138	3	0	5
			5QW	21130	148	5	0	4	21024	147	5	0	4	20179	141	5	0	4
	170	168.0	2	24452	146	3	0	4	24330	145	3	0	4	23351	139	3	0	4
			3	24260	144	3	0	4	24139	144	3	0	4	23168	138	3	0	4
			4F	22847	136	3	0	4	22824	136	3	0	4	22299	133	3	0	3
			4W	23972	143	3	0	5	23853	142	3	0	5	22895	136	3	0	5
			5QW	24596	146	5	0	4	24472	146	5	0	4	23488	140	5	0	4
	185	185.0	2	26658	144	4	0	5	26525	143	4	0	5	25457	138	4	0	5
			3	26449	143	3	0	4	26316	142	3	0	4	25258	137	3	0	4
			4F	24834	134	3	0	4	24809	134	3	0	4	24238	131	3	0	3
			4W	26135	141	4	0	5	26005	141	4	0	5	24961	135	4	0	5
			5QW	26814	145	5	0	5	26680	144	5	0	5	25607	138	5	0	5
	210	210.0	2	29872	142	3	0	4	29723	142	3	0	4	28536	136	3	0	4
			3	29638	141	3	0	4	29489	140	3	0	4	28303	135	3	0	4
			4F	30623	146	3	0	4	30592	146	3	0	4	20889	142	3	0	4
			4W	29286	139	3	0	5	29140	139	3	0	5	27970	133	3	0	5
			5QW	30047	143	5	0	4	29896	142	5	0	4	28694	137	5	0	4
	235	235.0	2	32960	140	3	0	4	32796	140	3	0	4	31475	134	3	0	4
			3	32701	139	3	0	4	32537	138	3	0	4	31229	133	3	0	4
			4F	31582	134	3	0	4	31550	134	3	0	4	30825	131	3	0	4
			4W	32313	138	3	0	5	32152	137	3	0	5	30861	131	3	0	5
			5QW	33153	141	5	0	4	32987	140	5	0	4	31660	135	5	0	4
255	261.2	2	36216	142	4	0	5	36035	141	4	0	5	34585	136	4	0	5	
		3	35932	141	3	0	4	35752	140	3	0	4	34314	135	3	0	4	
		4F	34254	131	3	0	4	34219	131	3	0	4	33432	128	3	0	4	
		4W	35505	139	4	0	5	35329	139	4	0	5	33910	133	4	0	5	
		5QW	36428	143	5	0	5	36246	142	5	0	5	34788	136	5	0	5	

¹ VAC input Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations. Actual performance may differ as a result of end-user environment and application.



Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 ASL1-160L-70-4K7-4W-UNV-A-DBT-
 BC-BTS_F
 Notes:

Type:
SA
 LDI24-550684



SLING Micro Strike
 AREA/SITE/ROAD LIGHTER

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

ELECTRICAL DATA

Family	Nominal Wattage	Input Voltage (Volts)	Current (AMPS)	System Power (Watts)
SLING (ASL1)	25	120	0.21	25.4
		208	0.12	
		240	0.11	
		277	0.09	
		347	0.07	
		480	0.05	
	39	120	0.32	38
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.41	49.7
		208	0.24	
		240	0.21	
		277	0.18	
		347	0.14	
		480	0.10	
	70	120	0.57	68.4
		208	0.33	
		240	0.29	
		277	0.25	
		347	0.20	
		480	0.14	
	100	120	0.73	88
		208	0.42	
		240	0.37	
		277	0.32	
		347	0.25	
		480	0.18	
115	120	0.91	109.7	
	208	0.53		
	240	0.46		
	277	0.40		
	347	0.32		
	480	0.23		
135	120	1.11	133.3	
	208	0.64		
	240	0.56		
	277	0.48		
	347	0.38		
	480	0.28		

SLING (ASL2) Next Page



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Job Name:
 HELP Lakewood
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 ASL1-160L-70-4K7-4W-UNV-A-DBT-
 BC-BTS_F
 Notes:

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SA
 LDI24-550684



SLING Micro Strike
 AREA/SITE/ROAD LIGHTER

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

ELECTRICAL DATA (CONT'D)

Family	Nominal Wattage	Input Voltage (Volts)	Current (AMPS)	System Power (Watts)
SLING (ASL2)	145	120	1.19	143.0
		208	0.69	
		240	0.60	
		277	0.52	
		347	0.41	
		480	0.30	
	170	120	1.40	168.0
		208	0.81	
		240	0.70	
		277	0.61	
		347	0.48	
		480	0.35	
	185	120	1.54	185.0
		208	0.89	
		240	0.77	
		277	0.67	
		347	0.53	
		480	0.39	
	210	120	1.75	210.0
		208	1.01	
		240	0.88	
		277	0.76	
		347	0.61	
		480	0.44	
235	120	1.96	235.0	
	208	1.13		
	240	0.98		
	277	0.85		
	347	0.68		
	480	0.49		
255	120	2.18	261.2	
	208	1.26		
	240	1.09		
	277	0.94		
	347	0.75		
	480	0.54		



Job Name:
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SLING Micro Strike
 AREA/SITE/ROAD LIGHTER

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 ¹ L96 60,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

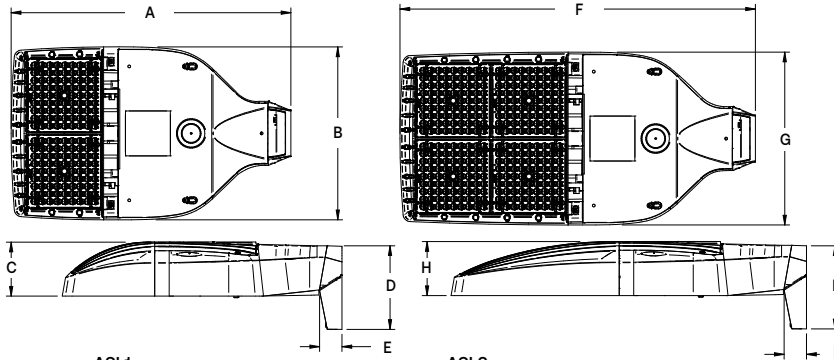
1. Projected per IESNA TM-21-11 (* Cree XP-L, 2100mA, 105°C Ts, 6,000hrs)

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0° C	32° F	1.06
10° C	50° F	1.03
20° C	68° F	1.01
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.97

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

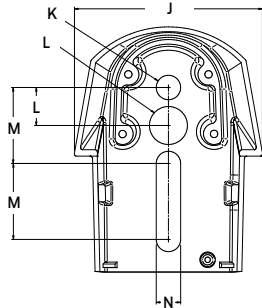
DIMENSIONS



Weight

ASL1	14.47 lbs (6.56 kgs)
ASL2	17.47 lbs (7.92 kgs)

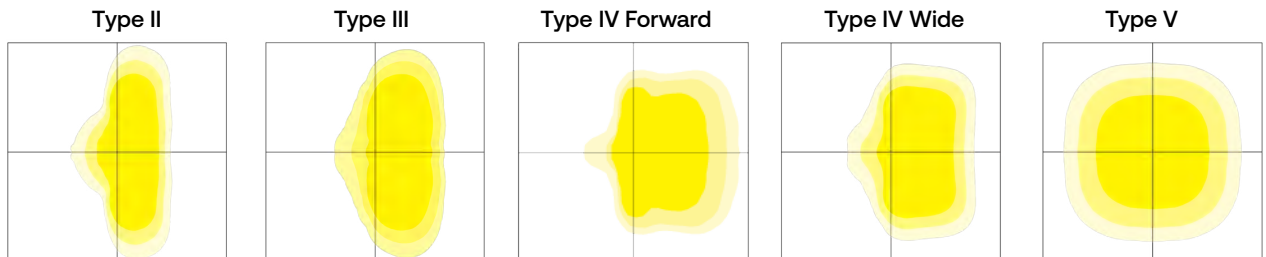
ASL1				ASL2						ASL1 EPA@0°	ASL2 EPA@0°	ASL1 w/ HSS	ASL2 w/ HSS
A	B	C	D	E	F	G	H	I					
18.9"	11.7"	3.7"	5.65"	1.5"	24.0"	11.7"	3.7"	5.62"	.46 ft ²	.56 ft ²	.73 ft ²	1.01 ft ²	
480mm	297mm	94mm	144mm	38mm	610mm	297mm	94mm	143mm	.043 m ²	.052 m ²	.068 m ²	.094 m ²	



J	K	L	M	N
4.33"	.562"	.875"	1.75"	.562"
480mm	297mm	94mm	610mm	297mm

PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see [website photometric test reports](#).





Job Name:
 HELP Lakewood
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 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 ASL1-160L-70-4K7-4W-UNV-A-DBT-
 BC-BTS_F
 Notes:

Type:
SA
 LDI24-550684



SLING Micro Strike
 AREA/SITE/ROAD LIGHTER

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

ADDITIONAL INFORMATION (CONT'D)

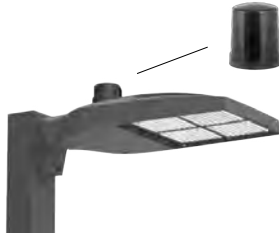
OCCUPANCY SENSOR

- Individual fixture control
- Dims product when space is not occupied



7-PIN RECEPTACLE

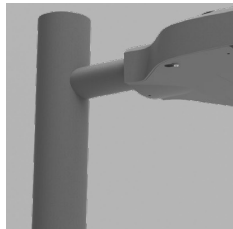
- Compatible with 3-pin, 5-pin or 7-pin photocontrols
- Turns fixture on when sun sets, off when sun rises
- For use with a variety of control platforms



MOUNTING



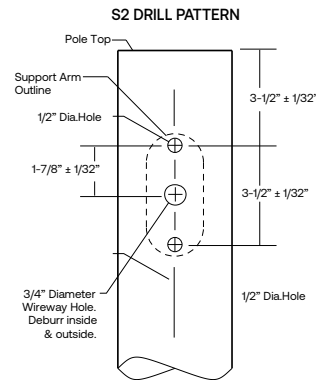
Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Outdoor S2 drill pattern.



MAF – Fits 2-3/8" OD arms Roadway applications.



Wall Mount – Wall mount bracket designed for building mount applications.





Job Name:
HELP Lakewood
Architect: Unknown Architect
Engineer: Gedeon, Frederick & Morsher
(Westlake)

Catalog Number:
ASL1-160L-70-4K7-4W-UNV-A-DBT-
BC-BTS_F

Notes:

Type:

SA

LDI24-550684



SLING Micro Strike

AREA/SITE/ROAD LIGHTER

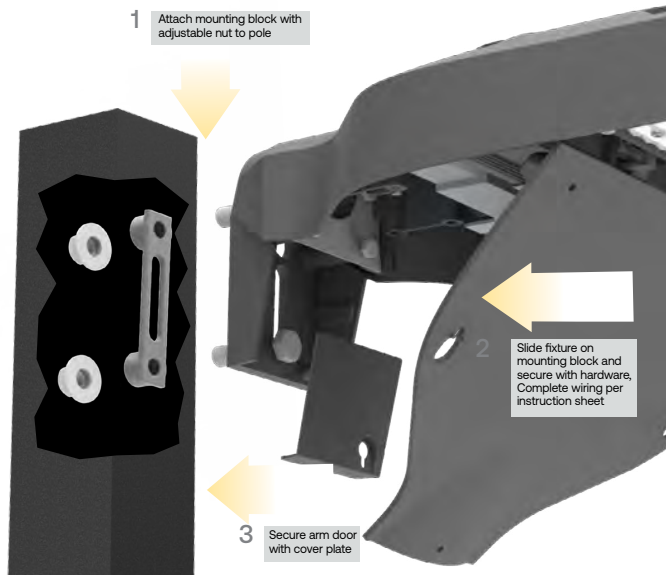
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TYPE: _____ PROJECT: _____

CATALOG #: _____

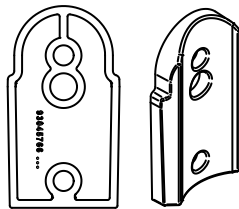
ADDITIONAL INFORMATION (CONT'D)

MOUNTING (CONT'D)



Square Arm Mounting Block –Arm mount block for ease of installation. Compatible with S2 drill patterns from 2.5" to 4.5"

ACCESSORY



ROUND POLE ADAPTER



WB-AREA-XX



SPOKE BRACKET (single arm shown)
Horizontal round arm tenon adapters for use with MAF mounting type or accessory kit. Reference SBH Spoke Pole Top Brackets for ordering information.



Lighting Dynamics, Inc.
EST. 1996

Job Name:

HELP Lakewood
Architect: Unknown Architect
Engineer: Gedeon, Frederick & Morsher
(Westlake)

Catalog Number:

ASL1-160L-70-4K7-4W-UNV-A-DBT-BC-BTS_F

Notes:

Type:

SA

LDI24-550684



SLING Micro Strike
AREA/SITE/ROAD LIGHTER

DATE: _____ LOCATION: _____

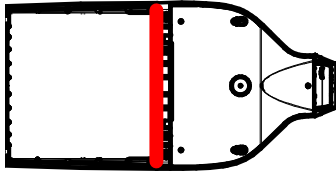
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CATALOG #: _____

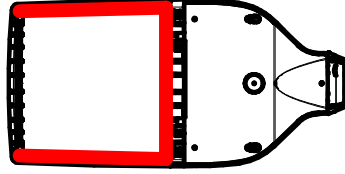
ADDITIONAL INFORMATION (CONT'D)

CONFIGURATIONS

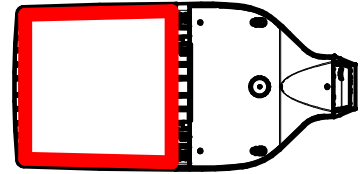
ASLx HSS-90-B-xx



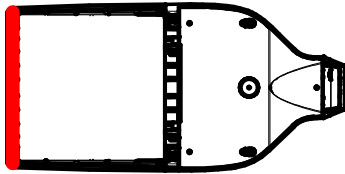
ASLx HSS-270-BSS-xx



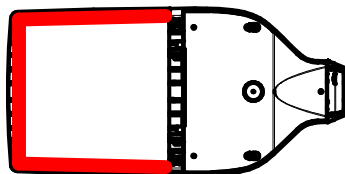
ASLx HSS-360-xx



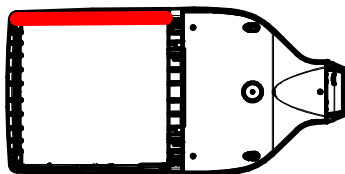
ASLx HSS-90-F-xx



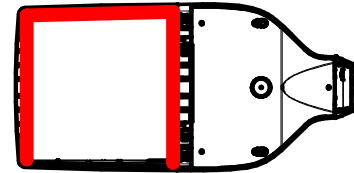
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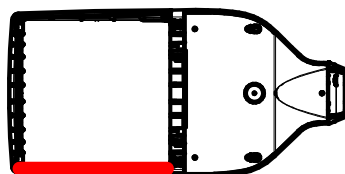
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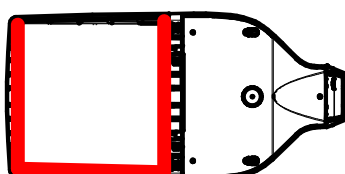
ASLx HSS-270-FSB-xx



ASLx HSS-90-S-xx



ASLx HSS-270-FSB-xx





Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 SSSH12-40A-1-B3-DBT

Notes:

Type:

SA

LDI24-550684



SSS-H Series Poles

SQUARE STRAIGHT STEEL

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

10-DAY QUICK SHIP PROGRAM



FEATURES

APPLICATIONS

- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

CONSTRUCTION

- SHAFT:** One-piece straight steel with square cross section, flat sides and minimum 0.23" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded to pole shaft having minimum yield of 36,000 psi (ASTM A36)
- BASE COVER:** Two-piece square aluminum base cover included standard
- POLE CAP:** Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- HAND HOLE:** Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- ANCHOR BOLTS:** Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling
 Anchor bolt part numbers: 3/4 x 30 x 3 — TAB-30-M38
 1 x 36 x 4 — TAB-36-M38

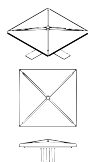
FINISH

- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in multiple standard colors; Custom colors available; RAL number preferable

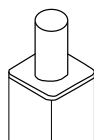
WAREHOUSE 'STOCKED' POLES:

- SSSH20-40A-4-HV-DBT-WPO and SSS-H25-40A-4HV-DB-WPO (Pole only, must order kit for anchor bolts and cap)
- The HV designation in the above catalog numbers is a combination of the S2 pattern and the B3 pattern

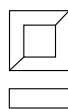
POLE CAP



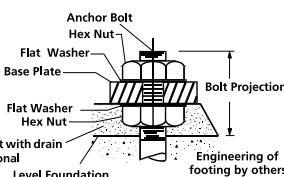
TENON



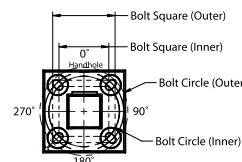
BASE COVER



BASE DETAIL



BASE



Overall Height 10' - 40'

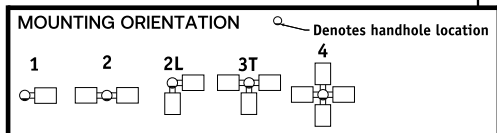
Handhole 18"

ORDERING INFORMATION Example: SSS-H-25-40-A/B/C-2L-S2-DBT-UL

= Service Program Limit of 15 poles



SSS-H	25	40	A/B/C	Mounting	Drill Pattern	Color	Options
Series SSS-H Square Straight Steel Pole Current Outdoor	Height Reference page 2 Ordering matrix 12	Shaft Reference page 2 Ordering matrix 40	Thickness Reference page 2 Ordering matrix A	Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 4 Four fixtures at 90° TA Tenon (2.38" OD x 4" Tall) TB Tenon (2.88" OD x 4" Tall) TC Tenon (3.5" OD x 6" Tall) TR ¹ Removable Tenon (2.38" x 4") OT Open Top (includes pole cap)	B3 2 bolt (2-1/2" spacing), Ratio S2 2 bolt (3-1/2" spacing)	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color	GFI ² 20 Amp GFCI Receptacle and Cover EHH ² Extra Handhole C05 ² 5" Coupling C07 ² 7.5" Coupling C20 ² 2" Coupling MPB ² Mid-pole Luminaire Bracket VM1 ³ Mode vibration damper VM2 2nd mode vibration damper LAB Less Anchor Bolts UL UL Certified



ACCESSORIES- Order Separately

Catalog Number	Description
VM2SXX	2nd mode vibration damper

1 Removable tenon used in conjunction with side arm mounting. First specify desired arm configuration followed by the "TR" notation. Example: SSS-H-25-40-A-1-S2-TR-DB
 2 Specify option location using logic found on page 2 (Option Orientation)
 3 VMI recommended on poles 20' and taller with EPA of less than 1.



Job Name:
HELP Lakewood
Architect: Unknown Architect
Engineer: Gedeon, Frederick & Morsher
(Westlake)

Catalog Number:
SSSH12-40A-1-B3-DBT

Type:
SA

Notes:

LDI24-550684



DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

SSS-H Series Poles

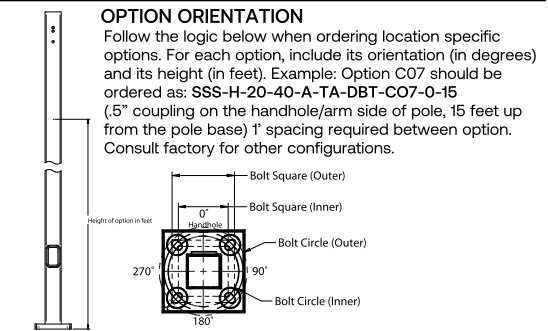
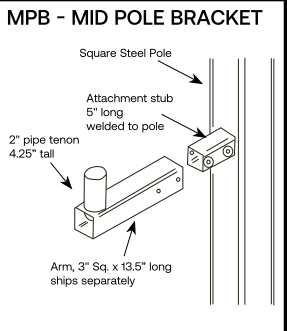
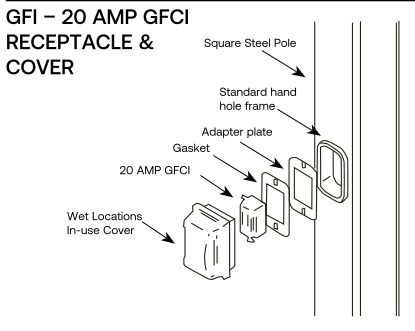
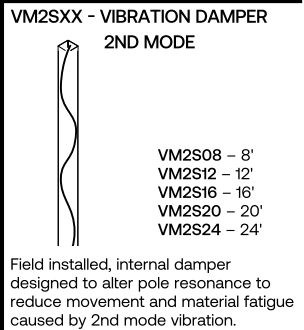
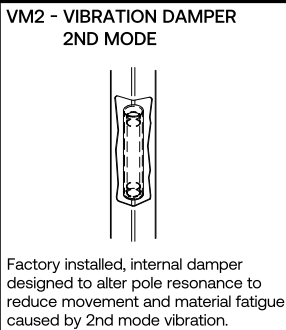
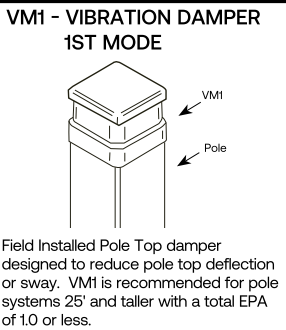
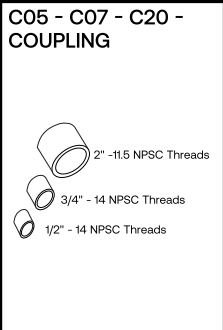
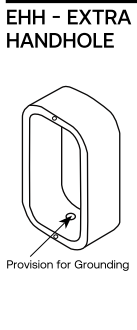
SQUARE STRAIGHT STEEL

ORDERING INFORMATION (CONTINUED)

= Service Program
Limit of 15 poles **QS**

Catalog Number	Height		Nominal Shaft Dimensions	Wall Thickness	Bolt Circle (suggested)	Bolt Circle (range)	Bolt Square (range)	Base Plate Square	Anchor bolt size	Bolt Projection	Pole weight
	Feet	Meters									
SSS-H-10-40-A-XX-XX	10	3.0	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	77
SSS-H-12-40-A-XX-XX	12	3.7	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	90
SSS-H-14-40-A-XX-XX	14	4.3	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	103
SSS-H-16-40-A-XX-XX	16	4.9	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	116
SSS-H-18-40-A-XX-XX	18	5.5	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	129
SSS-H-20-40-A-XX-XX	20	6.1	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	142
SSS-H-25-40-A-XX-XX	25	7.6	4" square	0.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	175
SSS-H-14-40-B-XX-XX	14	4.3	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	152
SSS-H-16-40-B-XX-XX	16	4.9	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	171
SSS-H-18-40-B-XX-XX	18	5.5	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	190
SSS-H-20-40-B-XX-XX	20	6.1	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	209
SSS-H-25-40-B-XX-XX	25	7.6	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	257
SSS-H-30-40-B-XX-XX	30	9.1	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	304
SSS-H-16-50-B-XX-XX	16	4.9	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	219
SSS-H-18-50-B-XX-XX	18	5.5	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	243
SSS-H-20-50-B-XX-XX	20	6.1	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	267
SSS-H-25-50-B-XX-XX	25	7.6	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	327
SSS-H-30-50-B-XX-XX	30	9.1	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	387
SSS-H-25-50-C-XX-XX	25	7.6	5" square	.25"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	427
SSS-H-30-50-C-XX-XX	30	9.1	5" square	.25"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	507
SSS-H-20-60-B-XX-XX	20	6.1	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1" x 36" x 4"	5.0	329
SSS-H-25-60-B-XX-XX	25	7.6	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1" x 36" x 4"	5.0	404
SSS-H-30-60-B-XX-XX	30	9.1	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1" x 36" x 4"	5.0	479
SSS-H-35-60-B-XX-XX	35	10.7	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1" x 36" x 4"	5.0	554
SSS-H-40-60-B-XX-XX	40	12.2	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1" x 36" x 4"	5.0	629

NOTE: Factory supplied template must be used when setting anchor bolts. Current Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.



For more information about pole vibration and vibration dampers, please consult factory. Due to our continued efforts to improve our products, product specifications are subject to change without notice. Unwrap poles immediately upon receipt to avoid condensation build up and possible corrosion. Note: There will be a weld witness mark on the side of the pole with the Factory installed VM2



currentlighting.com/exo

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Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 SSSH12-40A-1-B3-DBT

Notes:

Type:
 SA

LDI24-550684

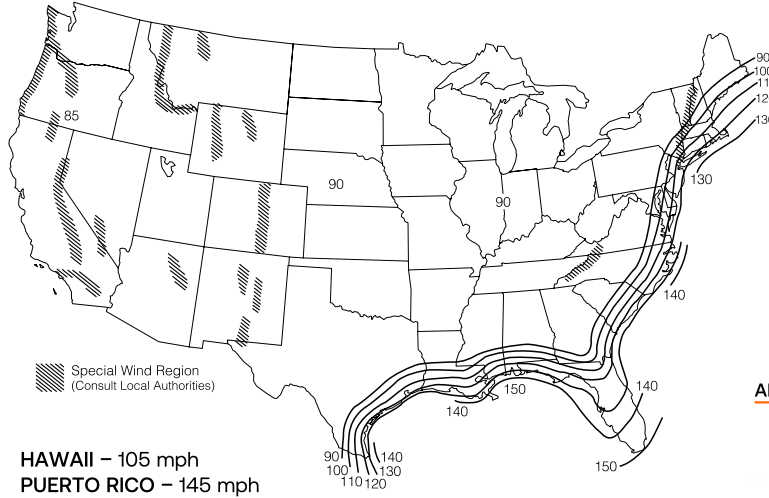


SSS-H Series Poles

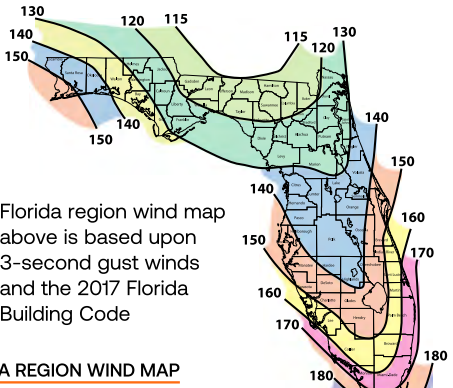
SQUARE STRAIGHT STEEL

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

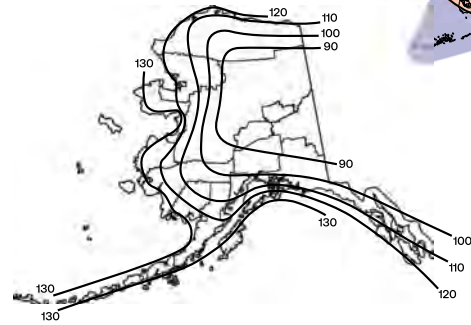
ASCE7-05 WIND MAP



FLORIDA REGION WIND MAP



ALASKA REGION WIND MAP



ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds (Use for all locations except Florida)										
Catalog Number	85	90	100	105	110	120	130	140	145	150
SSS-H-10-40-A	25.0	25.0	25.0	22.8	20.6	17.0	14.2	11.9	11.0	10.1
SSS-H-12-40-A	25.0	25.0	20.0	18.0	16.1	13.2	10.8	8.9	8.1	7.4
SSS-H-14-40-A	23.1	20.4	16.1	14.3	12.8	10.2	8.2	6.6	5.9	5.3
SSS-H-16-40-A	19.0	16.7	13.0	11.5	10.1	7.9	6.2	4.7	4.1	3.6
SSS-H-18-40-A	15.6	13.6	10.0	9.0	7.8	5.9	4.4	3.1	2.6	2.1
SSS-H-20-40-A	12.7	10.9	7.9	6.9	5.9	4.2	2.8	1.7	1.3	0.9
SSS-H-25-40-A	7.3	5.9	3.8	2.9	2.1	0.8	NR	NR	NR	NR
SSS-H-14-40-B	25.0	25.0	23.3	20.8	18.6	15.1	12.3	10.2	9.2	8.4
SSS-H-16-40-B	25.0	24.9	19.4	17.3	15.4	12.3	9.9	8.0	7.2	6.4
SSS-H-18-40-B	24.0	20.8	16.1	14.2	12.5	9.8	7.7	6.1	5.3	4.7
SSS-H-20-40-B	20.2	17.5	13.2	11.6	10.1	7.7	5.9	4.4	3.8	3.2
SSS-H-25-40-B	12.8	11.0	7.9	6.7	5.5	3.7	2.3	1.2	0.7	NR
SSS-H-30-40-B	8.0	6.6	4.1	3.1	2.2	0.8	NR	NR	NR	NR
SSS-H-16-50-B	25.0	25.0	25.0	25.0	24.8	20.1	16.5	13.6	12.3	11.2
SSS-H-18-50-B	25.0	25.0	25.0	22.9	20.4	16.4	13.2	10.7	9.6	8.6
SSS-H-20-50-B	25.0	25.0	21.3	18.9	16.7	13.2	10.4	8.1	7.2	6.3
SSS-H-25-50-B	20.7	17.8	13.3	11.5	9.8	7.2	5.0	3.3	2.6	1.9
SSS-H-30-50-B	13.5	11.3	7.7	6.2	4.9	2.8	1.1	NR	NR	NR
SSS-H-25-50-C	25.0	25.0	19.4	17.1	15.1	11.7	9.0	6.9	6.0	5.1
SSS-H-30-50-C	20.1	17.3	12.7	10.9	9.3	6.6	4.5	2.8	2.1	1.4
SSS-H-20-60-B	25.0	25.0	25.0	25.0	20.2	16.1	12.9	11.5	10.3	
SSS-H-25-60-B	25.0	25.0	20.6	18.0	15.6	11.8	8.7	6.2	5.2	4.2
SSS-H-30-60-B	21.4	18.1	12.9	10.7	8.8	5.7	3.3	1.3	NR	NR
SSS-H-35-60-B	14.0	11.3	6.9	5.2	3.6	1.0	NR	NR	NR	NR
SSS-H-40-60-B	8.1	5.8	2.2	nr	NR	NR	NR	NR	NR	NR

Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds (Use for Florida only)								
Catalog Number	115	120	130	140	150	160	170	180
SSS-H-10-40-A	25.0	25.0	25.0	25.0	21.4	18.4	15.9	13.9
SSS-H-12-40-A	25.0	25.0	23.6	19.8	16.7	14.2	12.1	10.4
SSS-H-14-40-A	25.0	23.1	19.0	15.7	13.1	10.9	9.1	7.6
SSS-H-16-40-A	20.8	18.7	15.2	12.3	10.1	8.2	6.7	5.4
SSS-H-18-40-A	16.8	15.0	11.9	9.4	7.5	5.9	4.5	3.4
SSS-H-20-40-A	13.6	11.9	9.2	7.1	5.3	3.9	2.7	1.7
SSS-H-25-40-A	7.4	6.2	4.1	2.5	1.1	NR	NR	NR
SSS-H-14-40-B	25.0	23.6	19.4	16.1	13.4	11.2	9.4	7.8
SSS-H-16-40-B	21.4	19.2	15.6	12.7	10.4	8.5	6.9	5.6
SSS-H-18-40-B	17.2	15.4	12.2	9.7	7.7	6.1	4.7	3.6
SSS-H-20-40-B	13.9	12.3	9.5	7.3	5.5	4.1	2.9	1.9
SSS-H-25-40-B	7.7	6.4	4.3	2.6	1.3	NR	NR	NR
SSS-H-30-40-B	3.2	2.1	NR	NR	NR	NR	NR	NR
SSS-H-16-50-B	25.0	25.0	25.0	25.0	25.0	21.4	18.2	15.5
SSS-H-18-50-B	25.0	25.0	25.0	24.4	20.4	17.0	14.2	11.9
SSS-H-20-50-B	25.0	25.0	24.4	19.9	16.3	13.4	11.0	8.9
SSS-H-25-50-B	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSS-H-30-50-B	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSS-H-25-50-C	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSS-H-30-50-C	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSS-H-20-60-B	25.0	25.0	25.0	21.9	17.8	14.5	11.7	9.4
SSS-H-25-60-B	23.8	20.9	16.1	12.3	9.2	6.6	4.5	2.8
SSS-H-30-60-B	14.6	12.3	8.4	5.3	2.8	0.8	NR	NR
SSS-H-35-60-B	7.5	5.6	2.4	NR	NR	NR	NR	NR
SSS-H-40-60-B	1.8	NR	NR	NR	NR	NR	NR	NR

**Job Name:**HELP Lakewood
Architect: Unknown Architect
Engineer: Gedeon, Frederick & Morsher
(Westlake)**Catalog Number:**

SSSH12-40A-1-B3-DBT

Type:**SA**

Notes:

LDI24-550684



DATE: _____ | LOCATION: _____

TYPE: _____ | PROJECT: _____

CATALOG #: _____

SSS-H Series Poles

SQUARE STRAIGHT STEEL

NOTES

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Current Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations.
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

Due to our continued efforts to improve our products, product specifications are subject to change without notice.



Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 EB1214GV-15L-35K-EX-TF1-PA17-
 MW-WLKA
 Notes:

Type:
SB
 LDI24-550684



EMBLEM SIGN
DAMP / WET LOCATION
 SIGN LIGHTS

PROJECT: _____
 QUANTITY: _____ TYPE: _____

SIGN LIGHT



EB1214GV
 MB - Matte Black



EB1214GV
 AZ - Anodic Bronze



EB1214GV
 PT - Platinum Silver



EB1214GV
 RD - Red Baron

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	ACCESSORIES ⁴	MOUNTING ⁷	FINISH ¹¹	WET KIT	
EB0709GV EB0910GV EB1214GV	15L 1500 Lm 27L 2700 Lm	80 CRI 27K 2700K 30K 3000K 35K 3500K 40K 4000K 90 CRI 27HK 2700K 30HK 3000K 35HK 3500K 40HK 4000K	DO10X DS2W1 DLTE1 ⁹ DL3EX ¹⁰	EX Electronic Driver, 120V/277V 1%, 0-10V, 120V/277V ELV/MLV, 120V Lutron® 2-Wire Forward Phase (MLV), 120V 1%, Lutron® EcoSystem®, Fades to Black, 120V/277V	ENCLOSURES TF1 ⁶ 3" Frosted Dome TG1 ⁶ 3" Dome Wire Guard MF1 3" Frosted Mini MG1 3" Short Wire Guard FJ1 3" Frosted Tall FG1 3" Tall Wire Guard	WALL MOUNT CP104 Small Driver Canopy CP104KO Small Driver Canopy w/ Knockouts CP106 Large Driver Canopy CP6/RMD Remote Mount Driver SP90 ⁸ Straight Arm PA ⁵ Mounting Arm Style CEILING MOUNT RDC5 Small Driver Canopy CP13 Large Driver Canopy HM ⁹ Hang Straight AT ⁹ Hang Straight All Thread PM ⁹ Rigid Pendant Mount EMCR ¹⁰ 10W Large Driver Canopy EM EMRR 7W Remote EM EMEN 7W Remote with Enclosure	MW ¹¹ Matte White MB ¹¹ Matte Black PT ¹¹ Platinum Silver CC Custom Color See Page 5 for Full Range of Color Options (83-90083)	WLKA Wet Location Kit

EXAMPLE: EB1214GV15L35KEXTF1/CP104PA36BL

NOTES:
 1 Nominal Source Lumens at 35K 2 Contact Factory for Additional Options 3 Available with CP106/CP13 Only 4 Enclosure, Wire Guard Required - Choose One Option
 5 Standard Enclosure 6 TGI Not Available With EB0709 7 See Mounting Page for Details on Components and Finishes 8 See Mounting Page for Available Arm Options
 9 Specify Length in Inches; See Mounting Page for Available Lengths 10 EMCR Replaces RDC5 or CP13 11 See Color Page for More Options/Consult Factory for Special Finishes
 12 Standard Finishes





Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 EB1214GV-15L-35K-EX-TF1-PA17-
 MW-WLKA
 Notes:

Type:
SB
 LDI24-550684

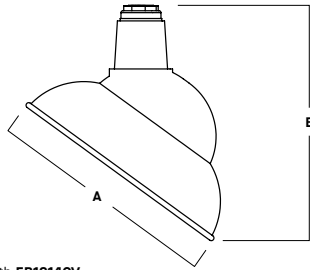


EMBLEM SIGN
DAMP / WET LOCATION
SIGN LIGHTS

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
EB1214GV15L	1500	1251	10	125
EB1214GV27L	2700	2184	18	121

¹ Nominal Source Lumens at 35K ² Nominal Delivered Lumens at 35K

HOUSING DIMENSIONS



Dimensioned with **EB1214GV**

SERIES	A	B
EB0709GV	7.1	9.7
EB0910GV	8.8	9.8
EB1214GV	12.4	12.1

APPLICATION

Emblem Sign light is perfect for a variety of sign and surface lighting applications.

FEATURES

Spectrum Lighting's RLM Classics are inspired by vintage lighting fixtures redesigned with modern LED light sources and materials. The wide range of options for illumination, mounting, enclosures, guards and finishes allows for creative fixture specification and design. LED module and driver are serviceable for future replacement. Available in three sizes.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. Matte White interior standard.

ELECTRONICS

GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Choice of electronic 120V/277V and dimming drivers.

CONSTRUCTION

Fixture shades are spun in our factory from 0.063 high purity aluminum. Wall mount canopies are die-cast aluminum with stainless steel hardware. Wall arms are formed 3/4 NPT aluminum pipe and may be field cut.

CODE COMPLIANCE

BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Wet Location Option. Manufactured and tested to UL standards No. 1598/8750.

SERIES SIZES

EB0709GV



EB0910GV



EB1214GV



ENCLOSURES

TF1



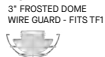
MF1



FJ1



TG1



MG1



FG1



WALL MOUNT

(SEE MOUNTING PAGES FOR MORE OPTIONS & DIMENSIONS.)

PA
 MOUNTING ARM STYLE



EB1214GV SHOWN WITH GP104PA23

CEILING MOUNT

(SEE MOUNTING PAGES FOR MORE OPTIONS & CANOPY DIMENSIONS.)

HM / AT / PM
 HANG STRAIGHT / ALL THREAD / PENDANT



EB1214GV SHOWN WITH RDC5PM





Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 EB1214GV-15L-35K-EX-TF1-PA17-
 MW-WLKA
 Notes:

Type:
SB
 LDI24-550684



EMBLEM SIGN
DAMP / WET LOCATION
 SIGN LIGHTS / PHOTOMETRIC DATA

EB1214GV-27L-35K-EX-TF1-MWI

CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT							
		0° - 10°	89	4%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0.00°	920			5.50'	30 fc	9.8'	10 fc	8'	8'	25	0.24	20	0.24	
	5.00°	919	0° - 20°	336	15%	6.50'	22 fc	11.6'	7 fc	12'	10'	22	0.20	17	0.20
	10.00°	917	0° - 30°	649	30%	7.50'	16 fc	13.4'	5 fc	16'	12'	14	0.14	7	0.09
	15.00°	908	0° - 40°	977	45%	8.50'	13 fc	15.2'	4 fc	Delivered Illuminance Rating: (DIR)					
	20.00°	891	0° - 60°	1,589	73%	10.00'	9 fc	17.9'	3 fc	2' Suspension Length Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. - 4.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. - 4.5' x 2.50 + Average Footcandles at 2.5' Above Floor * Exceeds spacing criteria by 69% ** Exceeds spacing criteria by -1% *** Exceeds spacing criteria by -23%					
	30.00°	840	0° - 80°	1,928	88%	12.00'	6 fc	21.4'	2 fc	Lamp Multiplier: 15L x 0.573 CCT Multiplier: 27K x 0.971, 30K x 0.985, 40K x 1.03					
	40.00°	761	0° - 90°	2,018	92%	14.00'	5 fc	25.0'	1 fc						
	50.00°	651	Total	2,183	100%	16.00'	4 fc	28.6'	1 fc						
	60.00°	523													
	70.00°	366													
	80.00°	122													
	90.00°	19													

Delivered Lumens: 2,183
 Luminaire Watts: 18
 LER: 121.28

CP at 0deg (Nadir): 920
 CRI: 85+

Beam Angle: 93.07
 Spacing Ratio: 1.35





Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 EB1214GV-15L-35K-EX-TF1-PA17-
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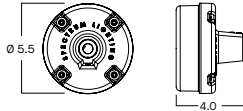
MOUNTING & ACCESSORIES

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

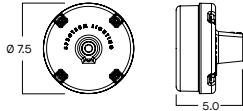


WALL MOUNTING

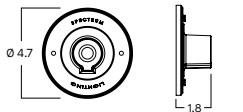
CP104 - SMALL DRIVER CANOPY (STANDARD)
 MAY BE USED AS SPLICE BOX FOR DIRECT FEED
 NOT AVAILABLE W/ PA16 & PA16F



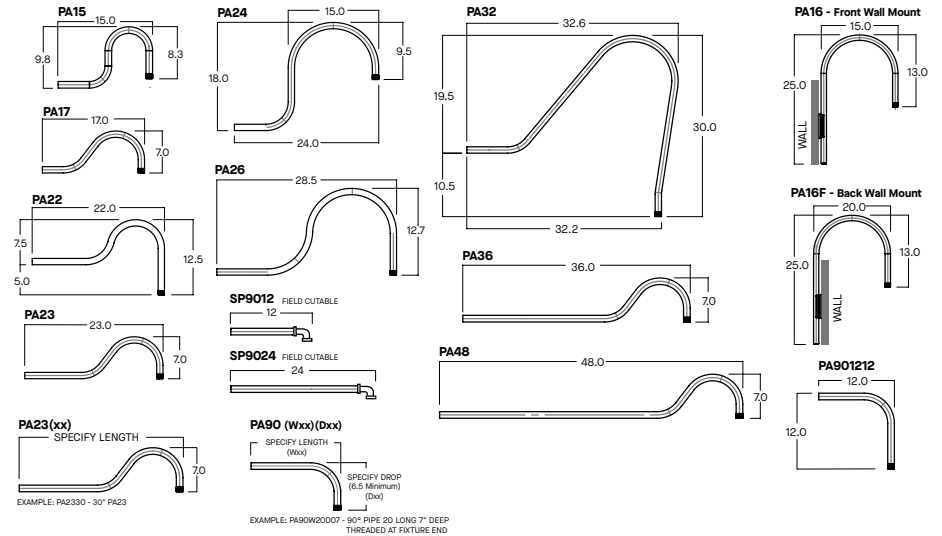
CP106 - LARGE DRIVER CANOPY
 MAY BE USED AS SPLICE BOX FOR DIRECT FEED



CP6/RMD - REMOTE MOUNT DRIVER
 MOUNTS DIRECTLY TO WALL OR OCTAGON STYLE J-BOX

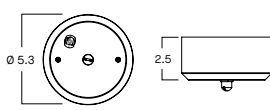


CUSTOM AND OTHER WALL ARMS AVAILABLE - CONTACT FACTORY. ARMS MAY BE FIELD CUT ON WALL SIDE - FIXTURE SIDE THREADED 3/4" NPT REQUIRES SEALANT FOR WET LOCATION.

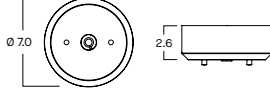


CEILING MOUNTING

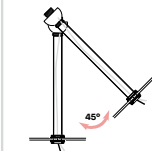
RDC5 - SMALL DRIVER CANOPY (STANDARD)
 MOUNTS TO 4" OCTO J-BOX



CP13 - LARGE DRIVER CANOPY

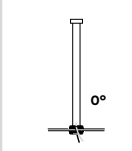


HM*
 HANG STRAIGHT
 45° SWIVEL 5/8" OD STEM - 3/8" IP



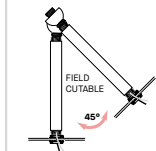
ORDER: HM (Length)
 SPECIFY LENGTH:
 HM3 - 3" HM24 - 24"
 HM6 - 6" HM36 - 36"
 HM12 - 12" HM48 - 48"
 HM18 - 18" HM72 - 72"
 HMLC(XX)
 Custom Length
 (Specify in Inches)

PM*
 RIDGID PENDANT MOUNT
 RIGID 5/8" OD STEM - 3/8" IP



ORDER: PM (Length)
 SPECIFY LENGTH:
 PM3 - 3" PM24 - 24"
 PM6 - 6" PM36 - 36"
 PM12 - 12" PM48 - 48"
 PM18 - 18" PM72 - 72"
 PMLC(XX)
 Custom Length
 (Specify in Inches)

AT**
 HANG STRAIGHT ALL THREAD
 45° SWIVEL 5/8" OD STEM - 1/4" IP

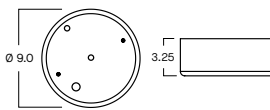


ORDER: AT (Length)
 SPECIFY LENGTH:
 AT12 - 12"
 AT24 - 24"
 AT36 - 36"
 AT48 - 48"
 AT60 - 60"
 AT72 - 72"
 FIELD CUTTABLE PIPE
 CUT TO LENGTH REQUIRED
 CUT FROM OTHER END OF SHORTER
 THAN THREADED END
 SLIP WIRE COVER OVER THREADED END

*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.
 **ORDER IN 12" INCREMENTS. ODD SIZES MAY BE FIELD CUT

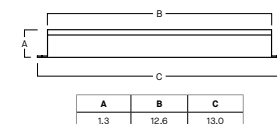
EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY

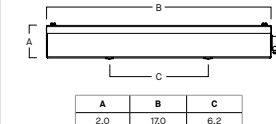


REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY (50' MAX)



EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50' MAX)



*OTHER EM BATTERY SIZES AVAILABLE. CONTACT FACTORY.





Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 EB1214GV-15L-35K-EX-TF1-PA17-
 MW-WLKA
 Notes:

Type:
SB
 LDI24-550684

COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
 SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.



STANDARD CORD / STEM / CANOPY FINISHES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

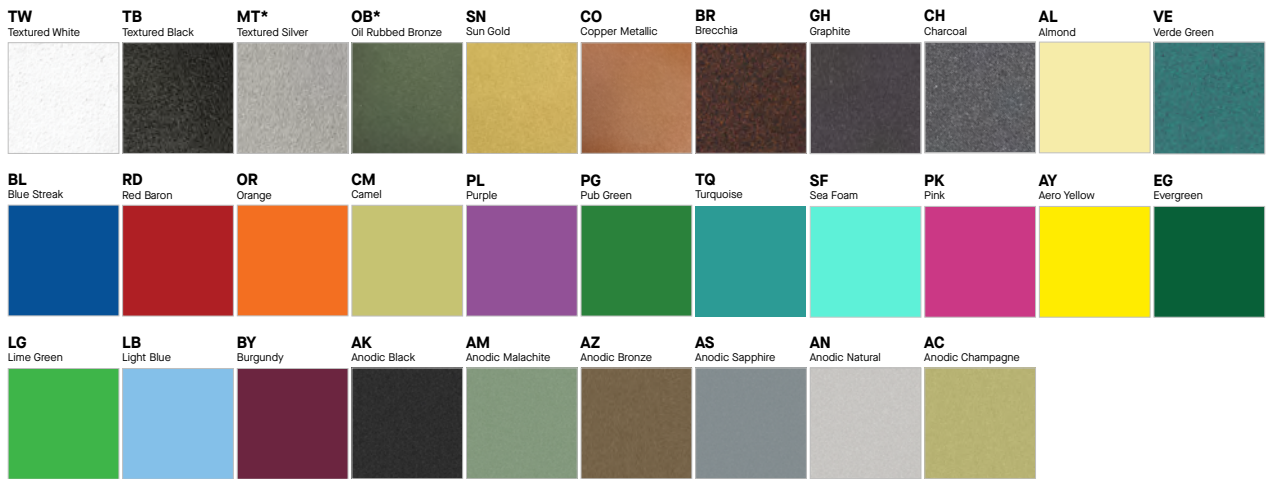
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⓪
Tier 2 - Typical Finishes	\$\$	⓪⓪
Tier 3 - Special Metal Finishes	\$\$\$	⓪⓪⓪
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

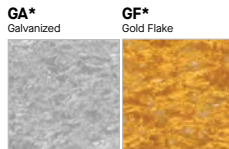
TIER 1 - STANDARD FINISHES



TIER 2 - TYPICAL FINISHES



TIER 3 - SPECIAL METAL FINISHES



CUSTOM COLOR FINISHES

CONTACT FACTORY



*UNAVAILABLE FOR WET LOCATION





Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 LBRP-M-LSMLCS9 / LBRP-6RD-T-
 WC / LBRP-WDLENS
 Notes:

Type:
K
 LDI24-550684



LBRP-RD

PRO CANLESS DIRECT INSTALL DOWNLIGHT

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

FEATURES

- 4", 6" and 8" apertures, delivering 800 to 5000 lumens
- Spun aluminum anodized or white trim, 55 deg cutoff
- Switchable Lumen, CCT, and Beam Angle
- Integral wiring compartment (standard)
- Optional support pans for Joist or T-Grid ceilings
- Universal 120-277V with 0-10V Dim to Off
- Long Life L70 at >50,000 hrs (TM-21)
- Five year warranty



LITEBOX[®] SOFFIT/CANOPY LIGHTS pro



RELATED PRODUCTS

[LiteBox Family](#)

SERVICE PROGRAMS



SPECIFICATIONS

CONSTRUCTION

- Canless direct install New Construction or Remodel, Non-IC. Select IC models available.
- Integral wiring compartment (standard) can eliminate the need for an additional J-Box
- Retention tether provided to secure to building structure if needed
- Fixture modules can be used with interchangeable trims in 3 apertures

OPTICS

- High quality spun aluminum reflector with 55° cutoff provides excellent lumen delivery while reducing glare
- Optional White Cone and Flange or Diffuse Anodized Cone and White flange available
- Optical assembly standard with dial-in beam angle from 24° to 45° with indicators
- Polycarbonate lensed optic, suitable for wet location, covered ceiling applications

ELECTRICAL

- LED array with 3 SDCM color consistency
- Long LED life: Maintains 70% of lumen output at >50,000 hours of operation (L70 at >50,000hr TM-21)
- Switchable CCT (2700K, 3000K, 3500K, 4000K, 5000K) (SL and ML modules only)
- HL modules: Choose from 5 fixed CCTs in 2700K, 3000K, 3500K, 4000K or 5000K
- 90 CRI+ with R9 >20

ELECTRICAL (CONTINUED)

- Switchable Lumen, 3 settings per module: SL (800/1200/1600 lm); ML (1600/1800/2100 lm) ; HL (3000/4000/5000 lm)
- High efficiency integral driver with universal 120-277V, 50/60Hz
- Flicker-free 0-10V Dim to Off
- See Additional Information section for a list of recommended dimmers
- Meets Class A (<24dba) noise rating
- FCC CFR 47 Part 15 Class B
- ≥ 0.9 Power Factor, <20% THD

INSTALLATION

- Robust trim mounting springs hold fixture firmly against ceiling surface
- Accommodates ceiling thicknesses up to 2"
- Fixture installs below the ceiling without a housing
- Optional support pan accessories with or without bar hangers available
- Switchable CCT: Field select one of five CCTs at installation with an integral switch on back of fixture module. (SL and ML only)
- Switchable Lumen: Field select one of three lumen outputs at installation with an integral switch on back of fixture module.
- Switchable Beam: Field adjust beam angle using optical dial and indicator on module

CERTIFICATIONS

- cETLus listed to UL1598
- Can be used in direct contact with insulation (IC Rated, SL Only)
- Certified Air Tight per ASTM E283
- Suitable for wet locations, covered ceilings
- ENERGY STAR® Certified
- SL modules meet CA Title 24 High Efficacy (JA8-2019) requirements

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	832–4915
Wattage Range	9.6–54.9
Efficacy Range (LPW)	72–100
Reported Life (Hours)	L70 / >50,000
Input Current (mA)	125–219 (120V)

Based on Diffuse Anodized 3000K, 90 CRI



Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 LBRP-M-LSMLCS9 / LBRP-6RD-T-
 WC / LBRP-WDLENS
 Notes:

Type:
K
 LDI24-550684



LBRP-RD

PRO CANLESS DIRECT INSTALL DOWNLIGHT

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____



Click icon for Stock list and details

ORDERING GUIDE

Example: LBRP-M-LSSLCS9 / LBRP-4RD-T-D

CATALOG #

HOUSING

LBRP-M	LS			
Model/Type	Switchable Technology	Nominal Lumen Range	CCT/CRI	
LBRP-M Fixture Module, Round Direct Install, 120-277V with 0-10V Dim to Off	LS Switchable Lumen	SL 800/1200/1600 lumens	CS9	Switchable CCT (2700/3000/3500/4000/5000K), 90 CRI
		ML 1600/1800/2100 lumens		
	HL 3000/4000/5000 lumens ¹	27K9	2700K, 90 CRI	
		30K9	3000K, 90 CRI	
	35K9	3500K, 90 CRI		
	40K9	4000K, 90 CRI		
	50K9	5000K, 90 CRI		

TRIM (ORDER SEPARATELY)

LBRP	LS	T	Reflector Finish/Color
Model	Aperture/Shape/Function	Trim	
LBRP LiteBox Pro Trim	4RD 4" Round Downlight ¹	T Trim	D Diffuse Clear Anodized
	6RD 6" Round Downlight		WC White Cone and Flange
	8RD 8" Round Downlight		DWT Diffuse Clear Anodized with White Flange

Notes:
 1 4" Trim for use only with SL or ML Module.

Accessories (Order separately)

- LB-4R-F-TG** Accessory, Pan w/Bar Hangers for T-Grid/Joist, 4" Round
- LB-4R-F-J** Accessory, Pan Support for Joist, 4" Round
- LB-6R-F-TG** Accessory, w/Bar Hangers for T-Grid/Joist, 6" Round
- LB-6R-F-J** Accessory, Pan Support for Joist, 6" Round
- LB-8R-F-TG** Accessory, w/Bar Hangers for T-Grid/Joist, 8" Round
- LB-8R-F-J** Accessory, Pan Support for Joist, 8" Round

LBRP-WDLENS

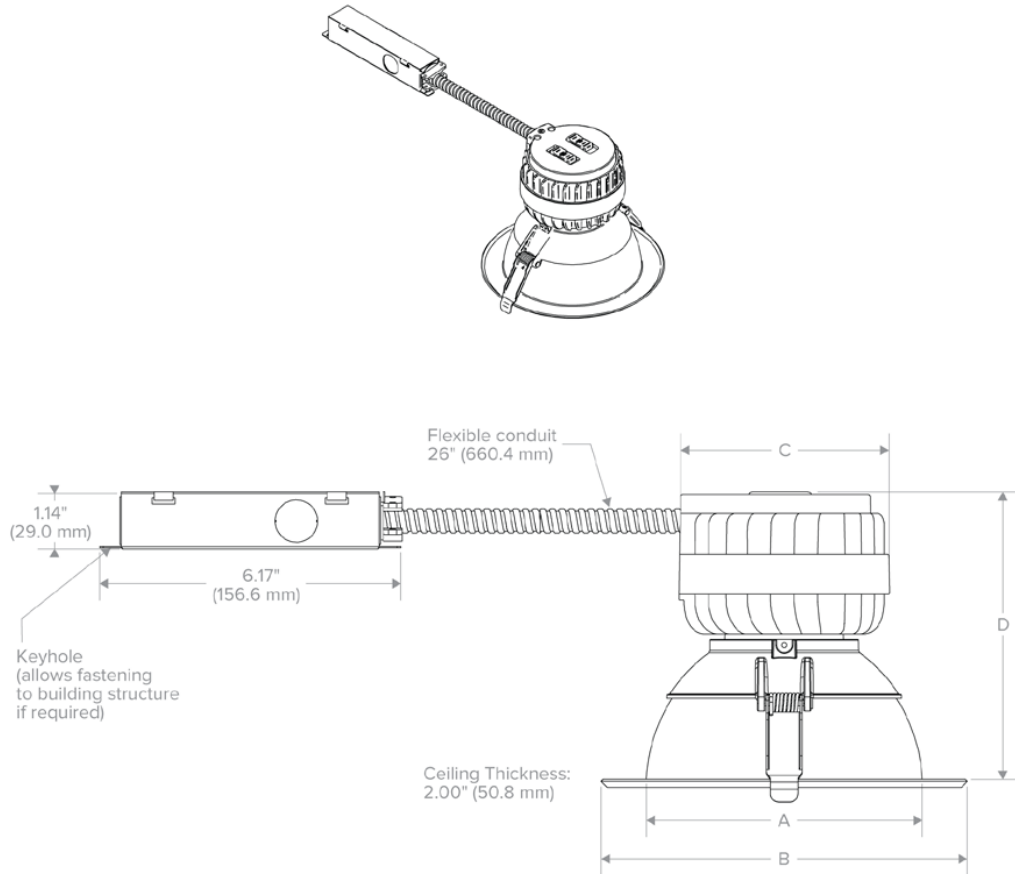


LBRP-RD

PRO CANLESS DIRECT INSTALL DOWNLIGHT

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

DIMENSIONS



Aperture	Ceiling Cutout Min.-Max.
4"	Ø4.72"-5.46" (Ø119.9-138.7mm)
6"	Ø6.30"-7.01" (Ø160.0-180.3mm)"
8"	Ø7.87"-8.74" (Ø199.9-222.0mm)

Nominal Aperture	Module Lumen Package	A Aperture Diameter	B Overall Trim Diameter	C Overall Module Heat Sink	D Overall Height (Assembled)
4"	SL-ML	4.15" (105.4 mm)	6.00" (152.4 mm)	4.35" (110.5 mm)	5.35" (135.9 mm)
	HL	5.65" (143.6 mm)	7.50" (190.4 mm)	4.35" (110.5 mm)	5.85" (148.6 mm)
6"	SL-ML	5.65" (143.6 mm)	7.50" (190.4 mm)	5.55" (140.9 mm)	5.85" (148.6 mm)
	HL	7.25" (184.2 mm)	9.10" (231.1 mm)	4.35" (110.5 mm)	6.65" (168.9 mm)
8"	SL-ML	7.25" (184.2 mm)	9.10" (231.1 mm)	5.55" (140.9 mm)	6.65" (168.9 mm)
	HL	7.25" (184.2 mm)	9.10" (231.1 mm)	5.55" (140.9 mm)	6.65" (168.9 mm)

**Job Name:**HELP Lakewood
Architect: Unknown Architect
Engineer: Gedeon, Frederick & Morsher
(Westlake)**Catalog Number:**LBRP-M-LSMLCS9 / LBRP-6RD-T-
WC / LBRP-WDLENS

Notes:

Type:**K**

LDI24-550684

**LBRP-RD**

PRO CANLESS DIRECT INSTALL DOWNLIGHT

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

PERFORMANCE DATA TABLE

Lumen Module	Switchable Lumen Setting	Nominal Lumens	4"			6"			8"		
			Delivered Lumens	Watts	LPW	Delivered Lumens	Watts	LPW	Delivered Lumens	Watts	LPW
SL	Low	800	832	9.6	87	880	9.6	92	849	9.6	88
	Med	1200	1174	14.1	83	1243	14.1	88	1198	14.1	85
	High	1600	1560	19.6	79	1649	19.6	84	1592	19.6	81
ML	Low	1600	1578	20.1	78	1668	20.1	83	1610	20.1	80
	Med	1800	1808	23.9	76	1912	23.9	80	1845	23.9	77
	High	2100	2134	29.7	72	2257	29.7	76	2178	29.7	73
HL	Low	3000	NA	NA	NA	3142	31.6	100	3033	31.6	96
	Med	4000	NA	NA	NA	3953	41.0	97	3815	41.0	93
	High	5000	NA	NA	NA	4915	54.9	90	4744	54.9	86



Job Name:
 HELP Lakewood
 Architect: Unknown Architect
 Engineer: Gedeon, Frederick & Morsher
 (Westlake)

Catalog Number:
 LBRP-M-LSSLCS9 / LBRP-6RD-T-
 WC / LBRP-WDLENS
 Notes:

Type:
K
 LDI24-550684



LBRP-RD

PRO CANLESS DIRECT INSTALL DOWNLIGHT

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

PHOTOMETRY

LBRP-M-LSSLCS9 / LBRP-4RD-T-D

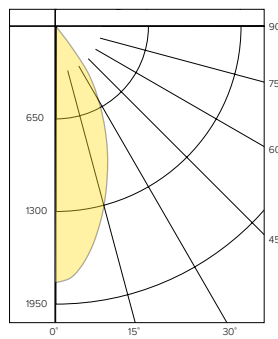
LUMINAIRE DATA

Test No.	21.01863
Description	4" LSSL, Med Lumen, @3000K, 45° Beam
Delivered Lumens	1174
Watts	14.1W
Efficacy	83
Mounting	Recessed
Spacing Criterion	0.7

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1138	96.9
0-60	1170	99.7
0-90	1174	100.0
0-180	1174	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	1803
5	1736
15	1318
25	844
35	408
45	27
55	8
65	3
75	1
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	4710
55°	1720
65°	876
75°	477
85°	0

*Candela/Square Meter

LBRP-M-LSSLCS9 / LBRP-6RD-T-D

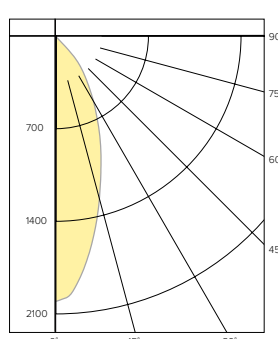
LUMINAIRE DATA

Test No.	21.02002
Description	6" LSSL, Med Lumen, @3000K, 45° Beam
Delivered Lumens	1243
Watts	14.1W
Efficacy	88
Mounting	Recessed
Spacing Criterion	0.6

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1155	93.0
0-60	1239	99.7
0-90	1243	100.0
0-180	1243	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	2008
5	1884
15	1288
25	787
35	422
45	51
55	4
65	2
75	1
85	1
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	4705
55°	455
65°	309
75°	252
85°	749

*Candela/Square Meter

LBRP-M-LSSLCS9 / LBRP-8RD-T-D

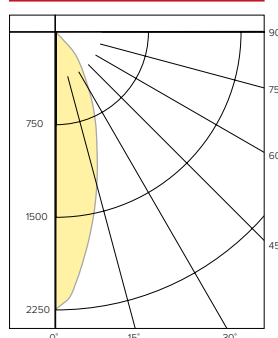
LUMINAIRE DATA

Test No.	21.01864
Description	8" LSSL, Med Lumen @3000K, 45° Beam
Delivered Lumens	1198
Watts	14.1W
Efficacy	85
Mounting	Recessed
Spacing Criterion	0.6

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1122	93.6
0-60	1197	99.9
0-90	1198	100.0
0-180	1198	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	2245
5	2011
15	1289
25	748
35	382
45	38
55	2
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	2018
55°	131
65°	89
75°	0
85°	0

*Candela/Square Meter

LUMEN MULTIPLIER

Option	27K, 90 CRI	30K, 90 CRI	35K, 90 CRI	40K, 90 CRI	50K, 90 CRI
Multiplier	0.99	1.00	1.04	1.05	1.09

Photometrics above are published at nominal 3000K, 90 CRI. This table may be used to approximate the lumen values at different Kelvin temperature settings. Power consumption remains the same.



EXISTING BUILDING FROM SOUTHEAST



EXISTING BUILDING FROM SOUTHWEST



WEST SIDE WITH EXISTING CANOPY



REAR OF EXISING BUILDING (EXIST LADDER TO BE REMOVED)

November 21, 2023

Tami Honkala, President and CEO
Help Foundation, Inc.
26900 Euclid Avenue
Euclid, Ohio 44132

FOGLE/STENZEL
ARCHITECTS, INC.

Re: Architectural Services
HELP Lakewood Addition and Remodeling
18228 Sloane Avenue
Lakewood, Ohio 44107

Dear Ms. Honkala;

Thank you for asking us to assist you in the remodeling and addition to your vocational training and day program facility on Sloane Ave. in Lakewood. Based upon our initial meeting on site with you, Doug and Allison in October, we understand you intend to remodel the existing 3,780 sq.ft. building for your Vocational Program and create a +/-4,000 sq.ft. addition for a DSP for 50 clients.

The addition would include 2-3 classrooms/training and an open activity area similar to your DSP-2 space at shore Center Dr in Euclid. The addition will also have accessible toilets with provisions for changing tables and Hoyer lift and space for Laundry. A new canopy and entrance in the rear of the addition will serve as shared van drop off/pickup for both programs.

The remodeling of the existing building (McDonalds) will include an enlarged Vocational Program area for 25 clients, a new conference room and remodeling of existing toilets. Existing finishes: flooring, ceilings, etc., will be replaced and upgraded. Exterior finishes will also be modified. The existing Kitchen and Basement will remain.

Site Improvements will include modifications for updated parking layout, replacement of existing fence, pavement renewal and stripping, creation of new landscape/garden areas and rehabbing existing exterior spaces.

Your goal is to develop the design and construction documents ready for City review and permit and invited Contractor bids to be received in late spring of 2024 with construction to follow immediately thereafter. You would also like to occupy the building before the end of 2024. We understand that your Board will meet in mid-December to approve a preliminary budget and scope for this project. We will provide you a preliminary cost estimate, project scope and concept sketch. Our Preliminary Services, through your Board approval for the project, will be invoiced at hourly rates **Not to Exceed \$ 3,750.00**. This portion of the fee will be credited against the Schematic Design Phase of the fixed fee.

Fogle/Stenzel Architects, Inc. 216-861-5151
P.O. Box 202587, Cleveland, Oh 44120

Our Architectural Services will include;

Schematic Design Phase: F/SA will meet with your team to review the program of need and to prepare conceptual designs of the project illustrating the scale and relationship of major components. We will develop a Schematic Design and Cost Estimate with presentation materials sufficient to define the intended use of this property for preliminary review with City of Lakewood governing authorities including architectural, zoning, planning, building code, and fire department. Our expectations are for at least 2 municipal meetings as required by the City.

The Schematic Design will also include preliminary engineering system concepts to support the addition. The construction cost estimate will include remodeling of the existing building, a new addition and site improvements and modifications but will not include the cost of surveys, lot consolidation, soil investigation, fees, furniture, or equipment.

With Help Foundation approval of the Schematic Design, we will provide a Schematic Design Phase cost estimate that will be based upon a quantity survey generated by our projection of material qualities and quantities and will be the basis for establishing a **Fixed Limit of Construction Cost (F.L.C.C.)** and associated **Fixed Fee** for Architectural Services. Mechanical, electrical, civil and structural engineering are part of our services. This portion of the Architectural Services will commence upon HELP Board approval of this project with an expectation of completing a Schematic Design package and construction cost estimate within 6 to 8 weeks.

Contract Documents Phase: Based upon the approved Schematic Phase, we will develop Construction Drawings and Project Manual defining the building, structural and Engineering systems and related products in detail, as well as, establishing the general requirements for the construction process and phasing in order to keep the existing programs operational. These documents will be the basis for final cost estimate, bidding, permits and execution of the contract for construction.

Bid/Negotiation Phase: We anticipate that you will competitively bid this project with at least three invited General Contractors. Each will be provided with an electronic set of Contract Documents and will submit electronic bids to your office after an appropriate bid period (+/- 4 weeks). We will assist you in evaluating the bids and preparing a contract for construction to be reviewed by your counsel and executed between you and your selected contractor.

Contract Administration Phase: Fogle/Stenzel Architects will assist in administering your construction contract. F/SA will include observation of the General Contractor's work and progress on a periodic basis (planned for weekly site visits), review of the General Contractor's schedule, shop drawings confirming product and fabrication data, evaluation, and approval of progress payment requests by the contractor, assistance in resolving unforeseen conditions, document interpretation, and assistance in dispute resolution.

Basic Architectural Services will be invoiced monthly against progress of the work and by phases as outlined;

Schematic Design	25%
Contract Documents Phase	40%
Bid/Negotiation Phase	10%
Construction Contract Administration Phase	25%

Our **Fixed Fee for these Services shall be 7.0% of the F.L.C.C.** Basic Service Phases are as defined by a standard AIA Owner Architect Agreement. Our fee for these services is fixed to the F.L.C.C. set at the completion of the Schematic Design and will not change unless the scope of work defined by F.L.C.C. is changed. The cost of permit review fees, document reproduction for governing authority reviews and bidding, and other direct expenses incurred by the architect in the interest of the project are reimbursable expenses in addition to the fixed fee. They will be invoiced at 1.05 x actual costs.

All services are to be completed within 18 months of this proposal/agreement. Significant Changes to the project scope after approval of the Schematic Design Phase will be invoiced at the firm's then current hourly rates. Construction period change orders will be invoiced at 5% of their construction value.

If this meets with your approval, please return one signed copy of this letter agreement as our authorization to proceed. Thank you again for consideration of Fogle/ Stenzel Architects, Inc. We are pleased to serve as your architect.

Sincerely,



Eric Schneider, Architect
Fogle/Stenzel Architects, Inc.



Help Ms. Tami Honkala, President and CEO
Help Foundation, Inc.

Date

11/30/2023



**BOARD OF BUILDING STANDARDS
ARCHITECTURAL REVIEW BOARD
SIGN REVIEW BOARD**

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Application Cover Page

Docket No.: 03-18-24

Permit No.: BBS24-000017

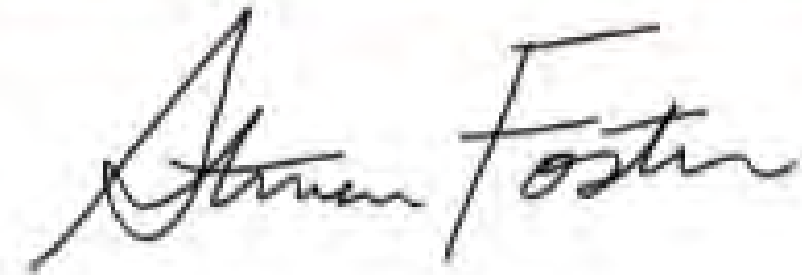
Applicant Name: Steven Foster, The Sign and Graphics Firm

Project Address: 1548 W. 117th St.

Project Name: Inn the Doghouse

Project: Applicant proposes two flat wall signs, one on each side of the building.

I hereby provide my signature for consent on behalf of the owner and tenant of said property for which I am submitting a sign application for review.

A handwritten signature in black ink that reads "Steve Foster". The signature is written in a cursive style with a large, stylized "S" and "F".

Steve Foster

The Sign & Graphics Firm

(216) 390-0198



216 390 0198



158" x 45"

**Pet Hotel 🐾 Spa
Doggy Daycare**



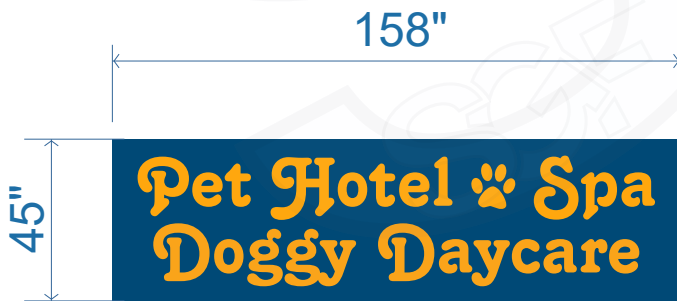
180" x 60"

**Pet Hotel 🐾 Spa
Doggy Daycare**

OPTION - C

Flat Wall Signs - Vinyl on ACM

Approx. 125 Sq. Ft.



Corner of Franklin - Vinyl on ACM
Approx. 49.4 Sq. Ft.



Corner of W117 - Vinyl on ACM
Approx. 75 Sq. Ft.

NOTE: Renderings are approximate representations of final production.

Steven Foster
216.390.0198
sgfoster09@gmail.com

BUSINESS NAME:
Inn The Doghouse

ADDRESS:
1548 West 117th Street
Lakewood, OH 44107

1

2-21-24

SGF SIGN & GRAPHICS FIRM



This drawing is CONFIDENTIAL and PROPRIETARY. Use without written permission of The Sign & Graphics Firm is strictly prohibited.



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Application Cover Page

Docket No.: 03-19-24

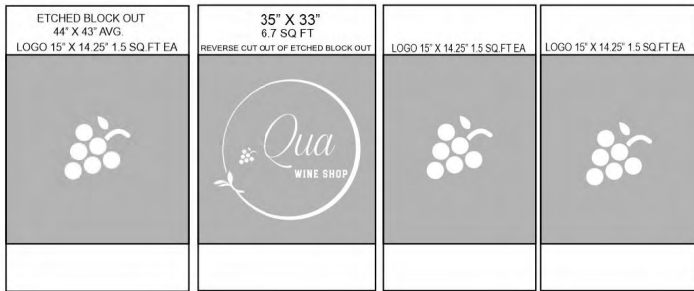
Permit No.: BBS24-000010

Applicant Name: Shawn Warren, Erie Design Co. Inc.

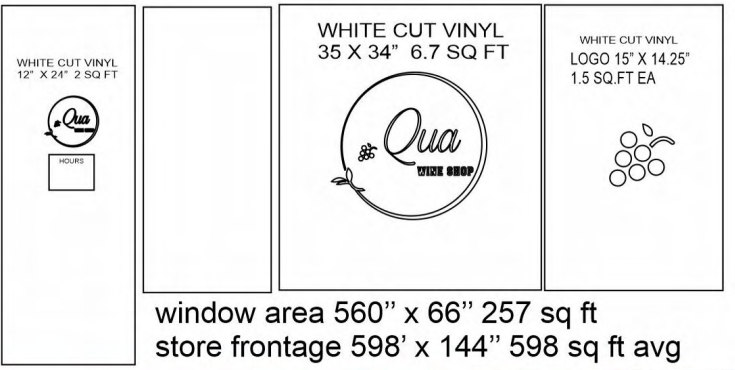
Project Address: 15729 Madison Ave.

Project Name: QUA Wine Shop

Project: Applicant proposes vinyl window graphics and non-illuminated projecting sign.



cut vinyl logos 21.2 sq ft total



window area 560" x 66" 257 sq ft
store frontage 598' x 144" 598 sq ft avg



Existing

MAXX METAL BLADE SIGN 1/4" THICK
2 SIDED MOUNTED ON EXISTING BRACKET
36" X 34" 8.5 SQFT X 2 SIDES = 17 SQ

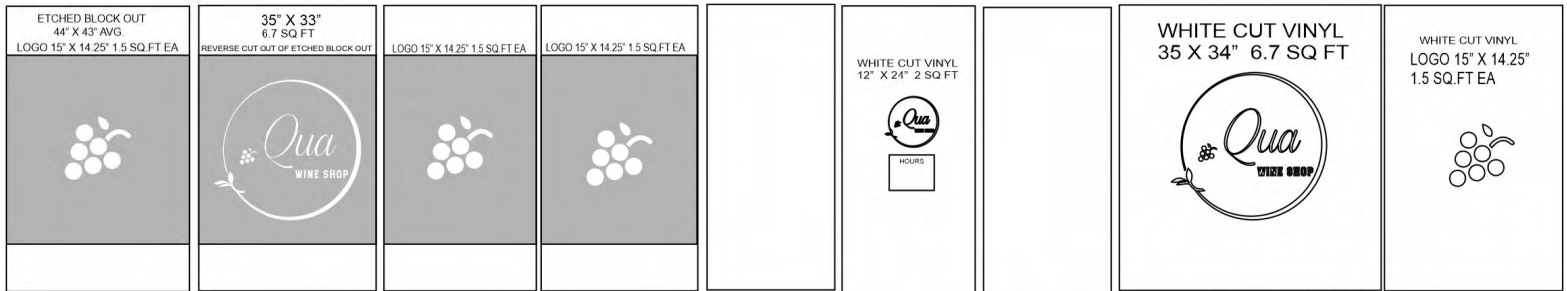


ERIE
design
Signs, Banners & Graphics
216-227-0043
www.eriedesign.com

CLIENT: QUA Wine Shop	JOB #:	DATE:
ADDRESS:	SALESPERSON/ DESIGNER:	DATE:

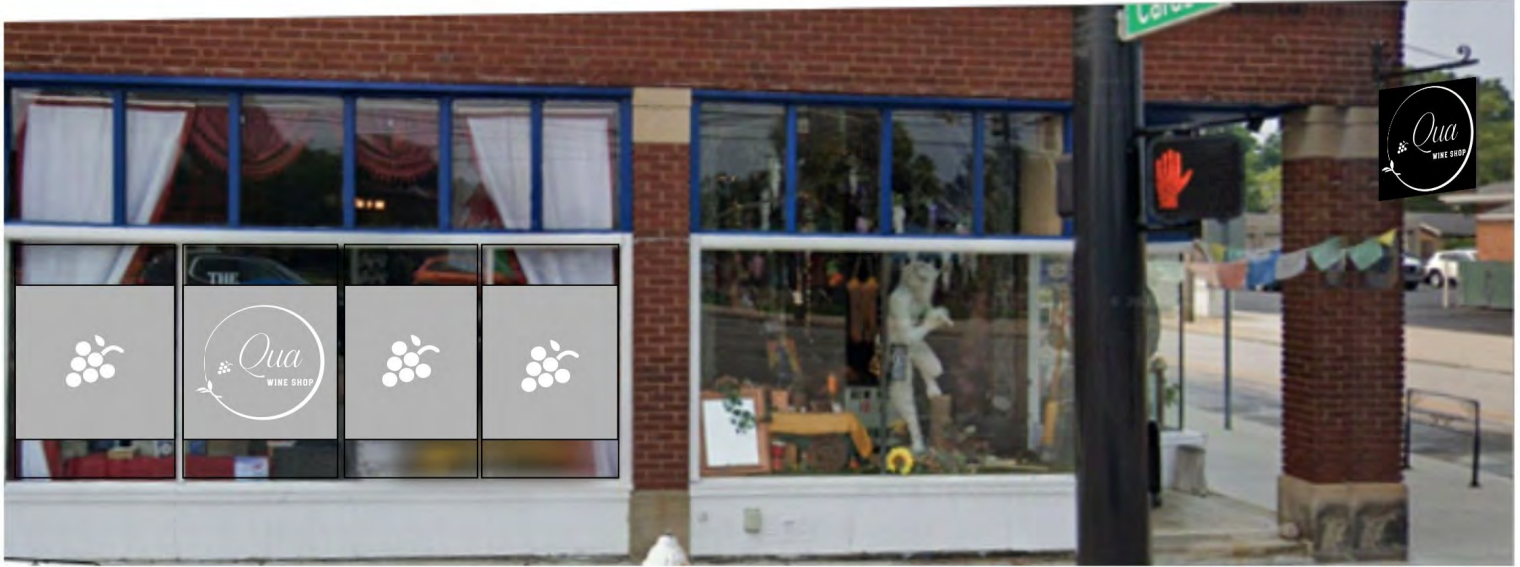
REVISION HISTORY: DATE:	CHANGES MADE:
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CLIENT SIGNATURE OF APPROVAL	DATE:
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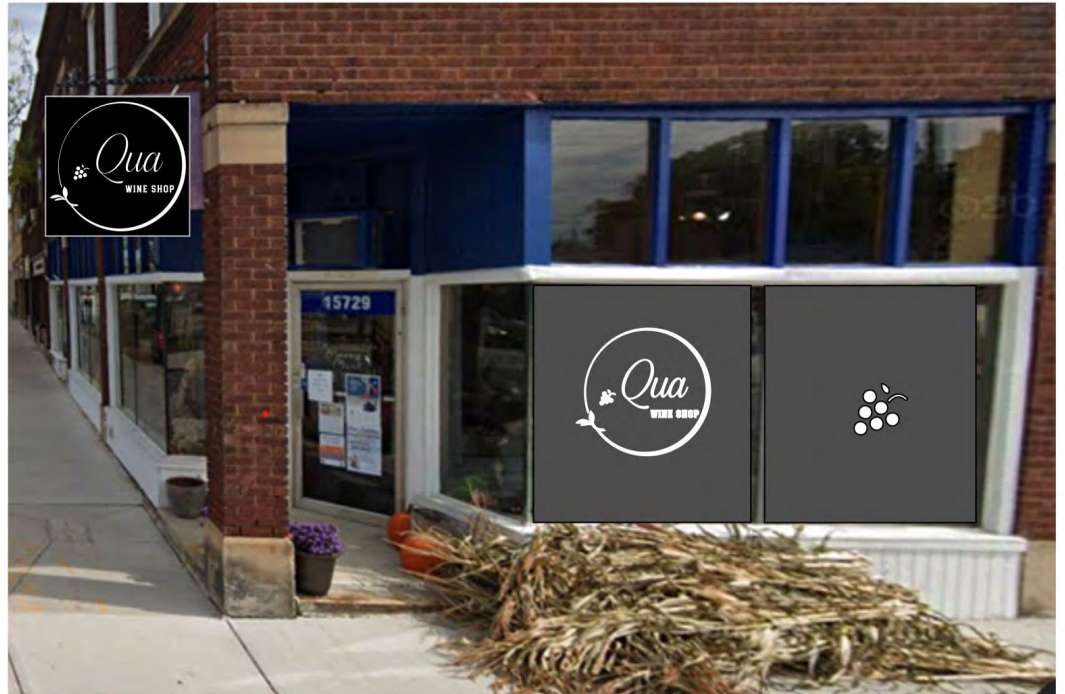


cut vinyl logos 21.2 sq ft total

window area 560" x 66" 257 sq ft
store frontage 598' x 144" 598 sq ft avg



MAXX METAL BLADE SIGN 1/4" THICK
2 SIDED MOUNTED ON EXISTING BRACKET
36" X 34" 8.5 SQFT X 2 SIDES = 17 SQ

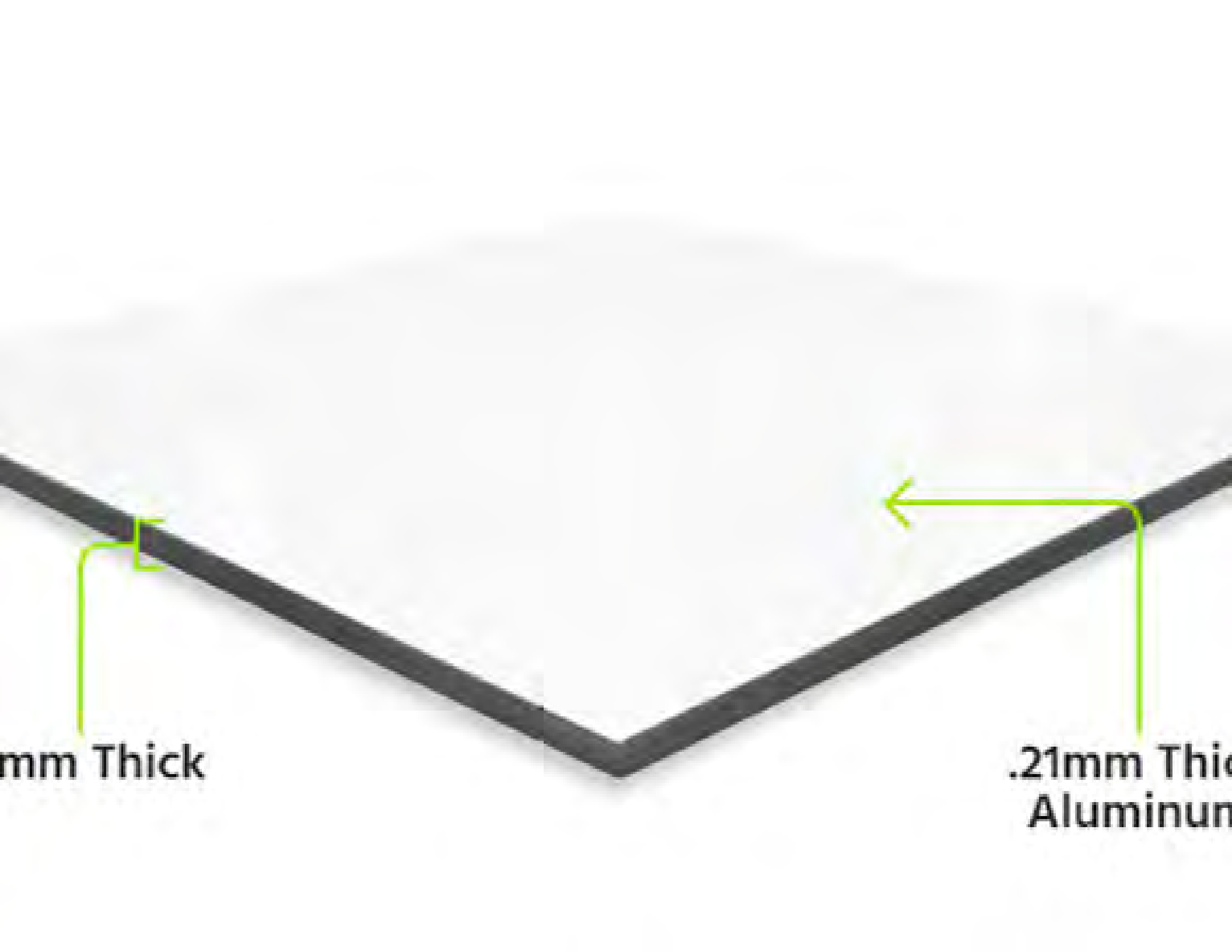


ERIE
design
Signs, Banners & Graphics
216-227-0043
www.eriedesign.com

CLIENT: QUA Wine Shop	JOB #:	DATE:
ADDRESS:	SALESPERSON/ DESIGNER:	DATE:

REVISION HISTORY: DATE: CHANGES MADE:

CLIENT SIGNATURE OF APPROVAL DATE:



mm Thick

.21mm Thick
Aluminum



Case #:

City of Lakewood Division of Housing and Building
12650 DETROIT AVENUE • LAKEWOOD, OH 44107 • (216) 529-6270 • Fax: (216) 529-5930
Building.permits@lakewoodoh.net

Building Permit Application

PROJECT ADDRESS: QUA Wine Shop 15729 Madison Suite/Unit #
or PERMANENT PARCEL NUMBER: 31316001

PROPERTY CLASSIFICATION: 1, 2 or 3 Family OR Commercial (includes multifamily and condominiums)

USE DESCRIPTION: (1-Family, Retail, Restaurant, etc.) Change of Use?

PERMIT TYPE: Building *Plumbing *Mechanical *Electrical *(complete reverse side)

RELATED CASES: Correction Notice Plan Review A.B.R. Approval Case Number:

SCOPE OF PERMIT (Check all that apply):
 New Primary Structure Addition Alteration Repair Equip. Replacement Commercial Sign
 Tent or Temporary Rear Deck Shed Pool Water Controlling Waterproofing
 Commercial Hood Fire Suppression Fire Alarm HVAC Refrigeration
 Demolition Paving Storm Sewer Other (Please specify): Sign

*VALUATION: (cost of the work) \$ PROJECT SIZE: (in square feet)

BRIEF DESCRIPTION OF WORK: (Include scope, dimension, location) DRAIN NO DRAIN
cut vinyl logos on windows 21.2 sq ft total
MAXX METAL BLADE SIGN 1/4" THICK
2 SIDED MOUNTED ON EXISTING BRACKET Building owner is
36" X 34" 8.5 SQFT X 2 SIDES = 17 SQ Cerreta Interior
(330) 309-0190.

PROPERTY OWNER NAME: Tara-lin Hollins Phone: 216-332-3535

Business Name (if applicable) QUA Wine Shop Email: saylesup@gmail.com

Mailing Address: 15729 Madison City: LAKEWOOD, State: OH Zip: 44107

CONTRACTOR NAME: Erie design Shawn Warren Phone: 216-227-0043

License/Reg. No.: on file Email: eriedesign@ameritech.net

Mailing Address: 16504 Detroit Ave City: LAKEWOOD, State: OH Zip: 44107

ARCHITECT/ENGINEER: Phone:

Mailing Address: City: State: Zip:

I hereby certify all information contained in this application is true, accurate and complete to the best of my knowledge. Furthermore, I am the property owner of record; or an authorized representative of the contractor registered with the city of Lakewood listed above and authorized by the property owner to perform the work described. I am primarily responsible for the work described and agree to abide by the applicable provisions of law and building codes adopted by the state of Ohio and the City of Lakewood. All subcontractors working under my direction shall be registered with the City of Lakewood. Perpetuation of fraud or misrepresentation including contractors or property owners obtaining permits on behalf of an unregistered contractor is a violation of LCO §1306.69 and punishable by fines, jail time and revocation of contractor registration.

[Signature]
SIGNATURE OF CONTRACTOR / OWNER

2-2-24
DATE

Anticipated Completion Date: 2-2-24



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FAX (216) 529-5930

building.permits@lakewoodoh.net

www.lakewoodoh.gov

DIVISION OF HOUSING AND BUILDING
12650 DETROIT AVENUE • LAKEWOOD, OHIO 44107

APPLICATION FOR COMMERCIAL PLAN APPROVAL

(For projects subject to the provisions of the Ohio Building Code Section 107.2)

ALL INFORMATION MUST BE PROVIDED AND LEGIBLE

Project Location [OBC 107.2-2]:	Applicant Information [OBC 107.2-5] (Building Owner or Representative)
Street Address: <u>15729 Madison</u> <u>31316001</u> Floor Number: _____ Suite: _____ Is this building in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No	Name: <u>Tara-lin Hollins</u> Business Name: <u>QUA Wine Shop</u> Mailing Address: <u>15729 Madison</u> City/State/Zip Code: <u>LAKEWOOD, OH 44107</u> Phone Number: <u>216-332-3535</u> For Best Service Provide Email Address: <u>saylesup@gmail.com</u>
Project Information [OBC 107.2-1]: (Project Use and Occupancy [OBC 107.2-3])	Registered Design Professional [OBC 106.2.1]
Project Type (check all that apply): <input type="checkbox"/> New Building <input type="checkbox"/> Alteration <input type="checkbox"/> Addition <input type="checkbox"/> Repair <input type="checkbox"/> Fence, pool, paving, landscaping, shed, tent, other <input checked="" type="checkbox"/> Sign Project Scope (check all that apply): <input type="checkbox"/> Demolition <input type="checkbox"/> General Building <input type="checkbox"/> Mechanical (HVAC) <input type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input type="checkbox"/> Fire Protection (see below) <input type="checkbox"/> Site Work over 8,000 sq. ft. Describe the (proposed) use (e.g.: Restaurant, boutique, office, etc.): <u>RE- FACE EXISTING ACRYLIC SIGN FACE ON MONUMENT SIGN</u>	<input type="checkbox"/> Architect <input type="checkbox"/> Engineer <input type="checkbox"/> Certified Fire Protection System Designer <input type="checkbox"/> NA Name: <u>Shawn Warren</u> Firm or Business: <u>Erie design</u> Certificate or Registration Number: <u>on file</u> Mailing Address: <u>16504 detroit Ave</u> City/State/Zip Code: <u>Lakewood Oh 44107</u> Contact Name: <u>Shawn Warren</u> Contact Phone: <u>216-227-0043</u> For Best Service Provide Email Address: <u>eriedesign@ameritech.net</u>
Occupancy class [OBC Chapter 3]: _____ If Mixed Use [OBC 508.1] check one: <input type="checkbox"/> Separated <input type="checkbox"/> Non-separated <input type="checkbox"/> Accessory only Construction Type [OBC Chapter 6]: _____ Total Project Work Area: <u>21.2 + 17</u> Sq. Ft. = <u>39.2</u> Total cost of construction (valuation): \$ <u>1500</u> Describe the project: <u>cut vinyl logos on windows 21.2 sq ft total</u> <u>MAXX METAL BLADE SIGN 1/4" THICK</u> <u>2 SIDED MOUNTED ON EXISTING BRACKET</u> <u>36" X 34" 8.5 SQFT X 2 SIDES = 17 SQ</u>	Certification [OBC 107.2.5]
Fire Protection Systems [OBC 106.1.1.1] (Indicate all that apply as "E" for Existing, "N" for New, or NA if none)	I certify that I am the building <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Owner's Authorized Agent All information provided on this application is true, accurate and complete to the best of my knowledge. All official correspondence in connection with this application should be sent to my attention at the mailing address above. I consent to these plans being reviewed in the order of plans examination determined by the building official. Signature: <u>[Signature]</u> Printed Name: <u>Shawn Warren</u> Date of Application: <u>2-2-24</u>
Building Sprinkler System _____ Limited Area Sprinkler System _____ In-Rack Sprinkler System _____ Demand at Riser Base _____ psi Kitchen Hood Suppression _____ Fire Alarm System _____ Fire Detection System _____ Smoke Detection System _____	For Building Department Use Case Number: _____ Date Received: _____ Received By: _____
Required Construction Documents [OBC Section 106] 3 sets required for Building Department plus 1 set for Fire Department Review (if applicable)	Other Approvals Required (prior to permit issuance): Fire Marshall: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA Engineering <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA ABR/Planning/Zoning: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA



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Application Cover Page

Docket No.: 03-20-24

Permit No.: BBS24-000019

Applicant Name: Shawn Warren, Erie Design Co. Inc.

Project Address: 15602 Detroit Ave.

Project Name: Neon Rogue Toys

Project: Applicant proposes illuminated letters in the sign band.

sign area 36" x 144" inner area 29" x 136"
 36 sq. for total area 144 sq. store frontage
 cut pvc 1/2" thick with color print faces
 12" x 120" 10 sq. ft.



ERIE
deSign
 Signs, Banners & Graphics
 216-227-0043
 www.eriedesign.com

CLIENT: Neon Rogue Toys		JOB #:	DATE:
ADDRESS:		SALESPERSON/ DESIGNER: DATE:	
REVISION HISTORY:		CHANGES MADE:	
DATE:			
		CLIENT SIGNATURE OF APPROVAL DATE:	



ERIE
deSign
 Signs, Banners & Graphics
 216-227-0043
 www.eriedesign.com

CLIENT:

Neon Rogue Toys

ADDRESS:

REVISION HISTORY:

DATE:

JOB #:

DATE:

SALESPERSON/ DESIGNER:

CHANGES MADE:

CLIENT SIGNATURE OF APPROVAL

DATE:

ABC

The image features three-dimensional, white, block letters 'A', 'B', and 'C' arranged in a row on a light gray surface. The letter 'A' is on the left, 'B' is in the middle, and 'C' is on the right. Each letter has a consistent thickness and is rendered with soft shadows on the surface below it, giving them a realistic, three-dimensional appearance. The background is a uniform, light gray color.



Case #:

City of Lakewood Division of Housing and Building
 12650 DETROIT AVENUE • LAKEWOOD, OH 44107 • (216) 529-6270 • Fax: (216) 529-5930
Building.permits@lakewoodoh.net

Building Permit Application

PROJECT ADDRESS: 16502 Detroit Ave. Suite/Unit #
 or **PERMANENT PARCEL NUMBER:** 31130030

PROPERTY CLASSIFICATION: 1, 2 or 3 Family OR Commercial (includes multifamily and condominiums)

USE DESCRIPTION: (1-Family, Retail, Restaurant, etc.) Change of Use?

PERMIT TYPE: Building *Plumbing *Mechanical *Electrical ***(complete reverse side)**

RELATED CASES: Correction Notice Plan Review A.B.R. Approval Case Number:

SCOPE OF PERMIT (Check all that apply):

- | | | | | | |
|--|---|--------------------------------------|--|---|--|
| <input type="checkbox"/> New Primary Structure | <input type="checkbox"/> Addition | <input type="checkbox"/> Alteration | <input type="checkbox"/> Repair | <input type="checkbox"/> Equip. Replacement | <input type="checkbox"/> Commercial Sign |
| <input type="checkbox"/> Tent or Temporary | <input type="checkbox"/> Rear Deck | <input type="checkbox"/> Shed | <input type="checkbox"/> Pool | <input type="checkbox"/> Water Controlling | <input type="checkbox"/> Waterproofing |
| <input type="checkbox"/> Commercial Hood | <input type="checkbox"/> Fire Suppression | <input type="checkbox"/> Fire Alarm | <input type="checkbox"/> HVAC | <input type="checkbox"/> Refrigeration | |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Paving | <input type="checkbox"/> Storm Sewer | <input type="checkbox"/> Other (Please specify): <u>Sign</u> | | |

***VALUATION: (cost of the work) \$** **PROJECT SIZE: (in square feet)**

BRIEF DESCRIPTION OF WORK: (Include scope, dimension, location) **DRAIN** **NO DRAIN**

Cut PVC 1/2" thick white letters vinyl print covered adhered to surface with adhesive
 12"H X 120" W 10 SQ. FT.

NEON ROGUE TOYS

PROPERTY OWNER NAME: DEVIN LEIRER	Phone:	440-231-1521
Business Name (if applicable) NEON ROGUE TOYS	Email:	devin.leirer@gmail.com
Mailing Address: 16502 Detroit Ave.	City:	LAKEWOOD, State: OH Zip: 44107
CONTRACTOR NAME: Erie design Shawn Warren	Phone:	216-227-0043
License/Reg. No.: on file	Email:	eriedesign@ameritech.net
Mailing Address: 16504 Detroit Ave	City:	LAKEWOOD, State: OH Zip: 44107
ARCHITECT/ENGINEER:	Phone:	
Mailing Address:	City:	State: Zip:

I hereby certify all information contained in this application is true, accurate and complete to the best of my knowledge. Furthermore, I am the property owner of record; or an authorized representative of the contractor registered with the city of Lakewood listed above and authorized by the property owner to perform the work described. I am primarily responsible for the work described and agree to abide by the applicable provisions of law and building codes adopted by the state of Ohio and the City of Lakewood. All subcontractors working under my direction shall be registered with the City of Lakewood. Perpetuation of fraud or misrepresentation including contractors or property owners obtaining permits on behalf of an unregistered contractor is a violation of LCO §1306.69 and punishable by fines, jail time and revocation of contractor registration.


SIGNATURE OF CONTRACTOR / OWNER

2-21-24
DATE

Anticipated Completion Date: 2-21-24



MAIN (216) 529-6270

FAX (216) 529-5930

building.permits@lakewoodoh.netwww.lakewoodoh.govDIVISION OF HOUSING AND BUILDING
12650 DETROIT AVENUE • LAKEWOOD, OHIO 44107**APPLICATION FOR COMMERCIAL PLAN APPROVAL**

(For projects subject to the provisions of the Ohio Building Code Section 107.2)

ALL INFORMATION MUST BE PROVIDED AND LEGIBLE

Project Location [OBC 107.2-2]:	Applicant Information [OBC 107.2-5] (Building Owner or Representative)
Street Address: <u>16502 Detroit Ave.</u> <u>31130030</u>	Name: <u>DEVIN LEIRER</u>
Floor Number: _____ Suite: _____	Business Name: <u>NEON ROGUE TOYS</u>
Is this building in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No	Mailing Address: <u>16502 Detroit Ave</u>
Project Information [OBC 107.2-1]: (Project Use and Occupancy [OBC 107.2-3])	City/State/Zip Code: <u>LAKEWOOD, OH 44107</u>
Project Type (check all that apply):	Phone Number: <u>440-231-1521</u>
<input type="checkbox"/> New Building <input type="checkbox"/> Alteration <input type="checkbox"/> Addition <input type="checkbox"/> Repair	For Best Service Provide Email Address: <u>devin.leirer@gmail.com</u>
<input type="checkbox"/> Fence, pool, paving, landscaping, shed, tent, other <input checked="" type="checkbox"/> Sign	Registered Design Professional [OBC 106.2.1]
Project Scope (check all that apply):	<input type="checkbox"/> Architect <input type="checkbox"/> Engineer
<input type="checkbox"/> Demolition <input type="checkbox"/> General Building <input type="checkbox"/> Mechanical (HVAC)	<input type="checkbox"/> Certified Fire Protection System Designer <input type="checkbox"/> NA
<input type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input type="checkbox"/> Fire Protection (see below)	Name: <u>Shawn Warren</u>
<input type="checkbox"/> Site Work over 8,000 sq. ft.	Firm or Business: <u>Erie design</u>
Describe the (proposed) use (e.g.: Restaurant, boutique, office, etc.): RE- FACE EXISTING ACRYLIC SIGN FACE ON MONUMENT SIGN	Certificate or Registration Number: <u>on file</u>
Occupancy class [OBC Chapter 3]: _____	Mailing Address: <u>16504 detroit Ave</u>
If Mixed Use [OBC 508.1] check one:	City/State/Zip Code: <u>Lakewood Oh 44107</u>
<input type="checkbox"/> Separated <input type="checkbox"/> Non-separated <input type="checkbox"/> Accessory only	Contact Name: <u>Shawn Warren</u>
Construction Type [OBC Chapter 6]: _____	Contact Phone: <u>216-227-0043</u>
Total Project Work Area: <u>Text 10 sq ft</u> Sq. Ft.	For Best Service Provide Email Address: <u>eriedesign@ameritech.net</u>
Total cost of construction (valuation): \$ <u>\$540</u>	Certification [OBC 107.2.5]
Describe the project: <u>Cut PVC 1/2" thick white letters vinyl print covered</u> <u>adhered to surface with adhesive</u> <u>12"H X 120" W 10 SQ. FT.</u> <u>NEON ROGUE TOYS</u>	I certify that I am the building <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Owner's Authorized Agent
Fire Protection Systems [OBC 106.1.1.1] (Indicate all that apply as "E" for Existing, "N" for New, or NA if none)	All information provided on this application is true, accurate and complete to the best of my knowledge. All official correspondence in connection with this application should be sent to my attention at the mailing address above. I consent to these plans being reviewed in the order of plans examination determined by the building official.
Building Sprinkler System _____ Limited Area Sprinkler System _____	Signature: <u>[Signature]</u>
In-Rack Sprinkler System _____ Demand at Riser Base _____ psi	Printed Name: <u>Shawn Warren</u>
Kitchen Hood Suppression _____ Fire Alarm System _____	Date of Application: <u>2-21-24</u>
Fire Detection System _____ Smoke Detection System _____	For Building Department Use
Required Construction Documents [OBC Section 106]	Case Number: _____
3 sets required for Building Department plus	Date Received: _____
1 set for Fire Department Review (if applicable)	Received By: _____
1 (Civil) set for Engineering Review (if applicable)	Other Approvals Required (prior to permit issuance):
Date on Plans: <u>2-21-24</u>	Fire Marshall: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
	Engineering <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
	ABR/Planning/Zoning: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
	Plan Review Fees
	Outside Plans Examiner: \$ _____
	Stormwater Review: \$ _____



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Application Cover Page

Docket No.: 03-21-24

Permit No.: BBS24-000022

Applicant Name: Laura Higgins- Woyma, Brilliant Electric Sign Co.

Project Address: 15000 Madison Ave.

Project Name: NextHome Experts

Project: Applicant proposes wall signs, projecting sign, and monument sign.



Brilliant Electric Sign Co., Ltd.

4811 VAN EPPS ROAD, CLEVELAND, OHIO 44131-1082
(216) 741-3800 / (800) 969-7446 / FAX (216) 741-8733

Property Owner Consent Form

Date: 9-20-23

To Whom This May Concern:

I, ANTHONY APOTSOS hereby give my permission to Brilliant Electric Sign Co., Ltd. To apply for permits and erect signage as described in the attached drawings for building and ground signs for property located at 15000 MADISON AVE. for NEXTHOME EXPERTS
(Tenant Name)

Signed: Anthony Apotsos
Printed Name: ANTHONY APOTSOS
Company Name: NEXTHOME EXPERTS
Street Address: 15000 MADISON AVE
City/Zip Code: LAKEWOOD
State: OHIO
Phone No: (216) 408-2300
Fax No: _____



SEGD





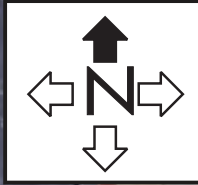
NOTE: due to printer limitations, colors shown may not exactly match specified. Refer to material charts for true colors.



Brilliant Electric Sign Co., Ltd.
 4811 VAN EPPS RD., CLEVELAND, OHIO 44131 (216)741-3800

NOTE: THIS IS AN ORIGINAL UNPUBLISHED DRAWING, CREATED BY BRILLIANT SIGNS. IT IS SUBMITTED FOR YOUR PERSONAL USE, IN CONJUNCTION WITH A PROJECT BEING PLANNED FOR YOU. IT IS NOT TO BE USED, REPRODUCED, COPIED OR EXHIBITED IN ANY FASHION.

COMPANY NAME	15000 BUILDING	SALESMAN	JM	DATE	10/6/23	REVISION	2/20/24cp	DESIGN NO.	B23-1274
LOCATION	15000 MADISON AVE., LAKEWOOD, OH	DESIGNER	CP	SCALE	SHOWN			COPYRIGHT ©	2023
		FILE NAME		charlotte/ next home gs					



NOTE: due to printer limitations, colors shown may not exactly match specified. Refer to material charts for true colors.

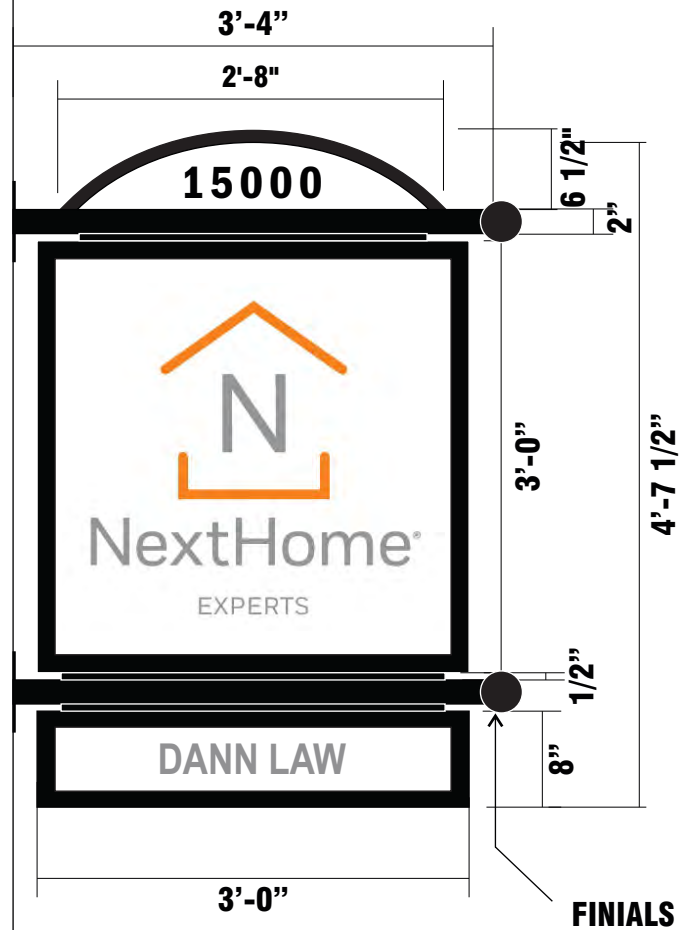


Brilliant Electric Sign Co., Ltd.

4811 VAN EPPS RD., CLEVELAND, OHIO 44131 (216)741-3800

COMPANY NAME	15000 BUILDING	SALESMAN	JM	DATE	9/18/23	REVISION	2/20/24cp	DESIGN NO.	B23-1197
LOCATION	15000 MADISON AVE., LAKEWOOD, OH	DESIGNER	CP	SCALE	SHOWN			COPYRIGHT ©	2023
								FILE NAME	charlotte/ 15000 building S3 (2)

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OPTION 3

SIGN ELEVATION: 3/4" = 1'-0'

Notes

Manufacture & install one (1) double face, non-illuminated, aluminum, projecting sign with two (2) single face, tenant panels on either side of the cabinet; whole sign to be projecting off the building using 2" square tube posts with mounting plates; also to have one (1) curved, flat aluminum, panel on the top of the tube posts with two (2) sets of die cut vinyl for the address numbers; one (1) on either side

- Cabinets, reveals, trim, & posts with finials to be painted black
- Graphics on the tenant panels to be first surface, digital print
- Top, flat, curved, aluminum, panels on the top to be painted white; address numbers to be first surface, black vinyl



PHOTO RENDERING NTS

NOTE: due to printer limitations, colors shown may not exactly match specified. Refer to material charts for true colors.

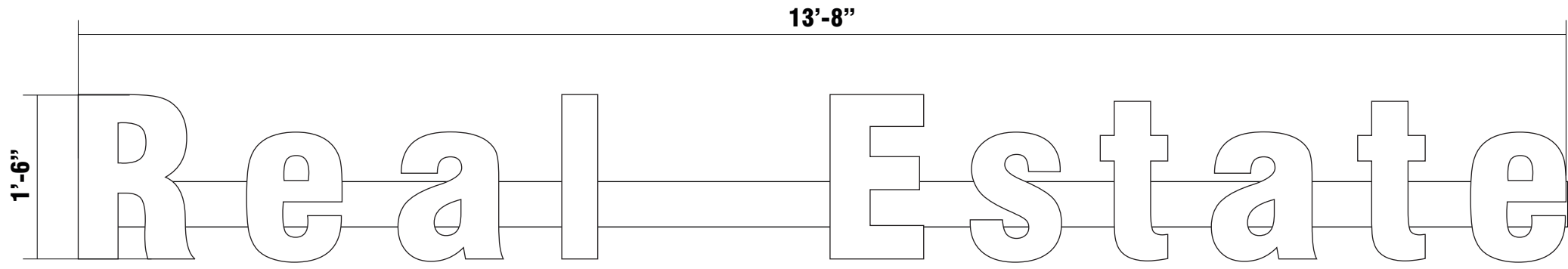


Brilliant Electric Sign Co., Ltd.

4811 VAN EPPS RD., CLEVELAND, OHIO 44131 (216)741-3800

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COMPANY NAME	15000 BUILDING	SALESMAN	JM	DATE	10/30/23	REVISION	11/15/23cp	DESIGN NO.	B23-1351
LOCATION	15000 MADISON AVE., LAKEWOOD, OH	DESIGNER	CP	SCALE	SHOWN	COPYRIGHT ©		2023	
		FILE NAME		charlotte/ 15000 building S3 (2)					



SIGN ELEVATION: 3/4" = 1'-0'

Notes

Manufacture & install one (1) set of internally illuminated, LED channel letters mounted on raceway; raceway to contain power supplies

- LED channel letter faces to be white 7328 plexiglass; trim to be painted white; 5" deep returns to be painted grey
- Raceway to be painted to match building fascia

RATED 120 VOLTS

***Specific colors to be determined**



PHOTO RENDERING NTS

NOTE: due to printer limitations, colors shown may not exactly match specified. Refer to material charts for true colors.

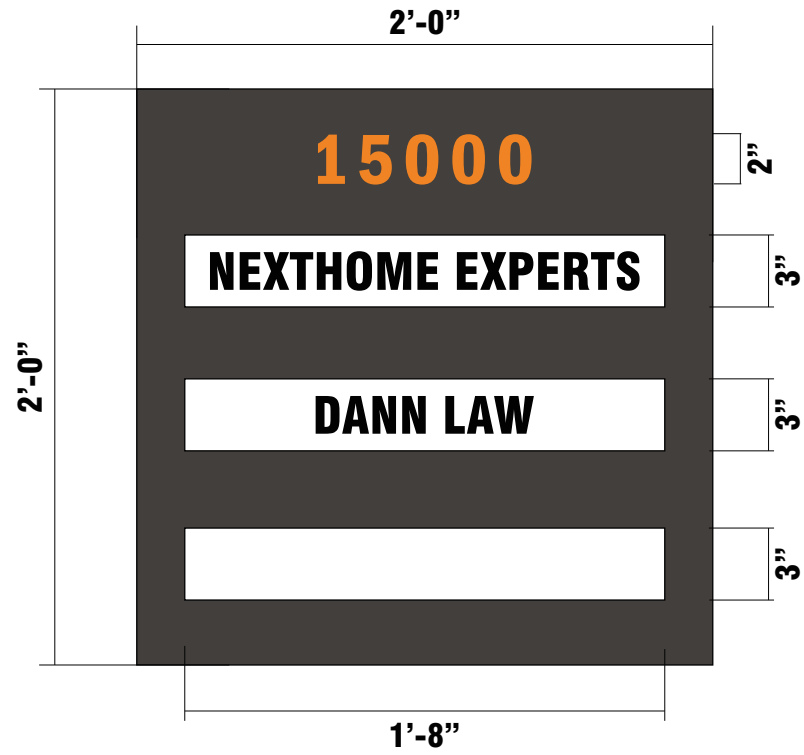


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COMPANY NAME	15000 BUILDING	SALESMAN	JM	DATE	11/3/23	REVISION	11/15/23cp 11/21/23cp	DESIGN NO.	B23-1375
LOCATION	15000 MADISON AVE., LAKEWOOD, OH	DESIGNER	CP	SCALE	SHOWN		2/8/24cp 2/19/24cp	COPYRIGHT ©	2023
								FILE NAME	charlotte/ 15000 building S3 (2)



SIGN ELEVATION: 1 1/2" = 1'-0'

Notes

Manufacture & install one (1) single face, non-illuminated, aluminum, panel with three (3) single face, aluminum, slats with first surface, die cut vinyl on each of them; the whole sign to be mounted on the side of the building near the entrance door

- Wall panel background to be painted dark bronze; numbers at the top to be first surface, orange vinyl
- Three (3) separate aluminum, panels to be painted white; copy to be first surface, die cut black vinyl



PHOTO RENDERING NTS

NOTE: due to printer limitations, colors shown may not exactly match specified. Refer to material charts for true colors.



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COMPANY NAME	15000 BUILDING	SALESMAN	JM	DATE	11/2/23	REVISION	11/15/23cp	DESIGN NO.	B23-1367
LOCATION	15000 MADISON AVE., LAKEWOOD, OH	DESIGNER	CP	SCALE	SHOWN	COPYRIGHT ©		2023	
		FILE NAME		charlotte/ 15000 building S3 (2)					



SIGN ELEVATION: 1/2" = 1'-0'

Notes

Manufacture & install one (1) single face, non-illuminated, irregular shaped, aluminum, backer with tapered edges; backer holding one (1) set of internally illuminated, LED channel logo segments & letters; remote power supplies; also to have one (1) set of 3/8" thick, PVC registration mark

- Aluminum, tapered backer to be painted tan (to match the color of the building as close as possible)
- LED channel logo segments & letters to have white 2406 plexiglass faces with first surface, translucent vinyls; the logo segments to be orange vinyl; trim & returns to be painted orange to match the faces; the copy to be shadow grey 3630-71; trim & returns to be painted grey to match the faces as close as possible
- PVC registration mark to be painted grey

RATED 120 VOLTS

*Specific colors to be determined



PHOTO RENDERING NTS

NOTE: due to printer limitations, colors shown may not exactly match specified. Refer to material charts for true colors.

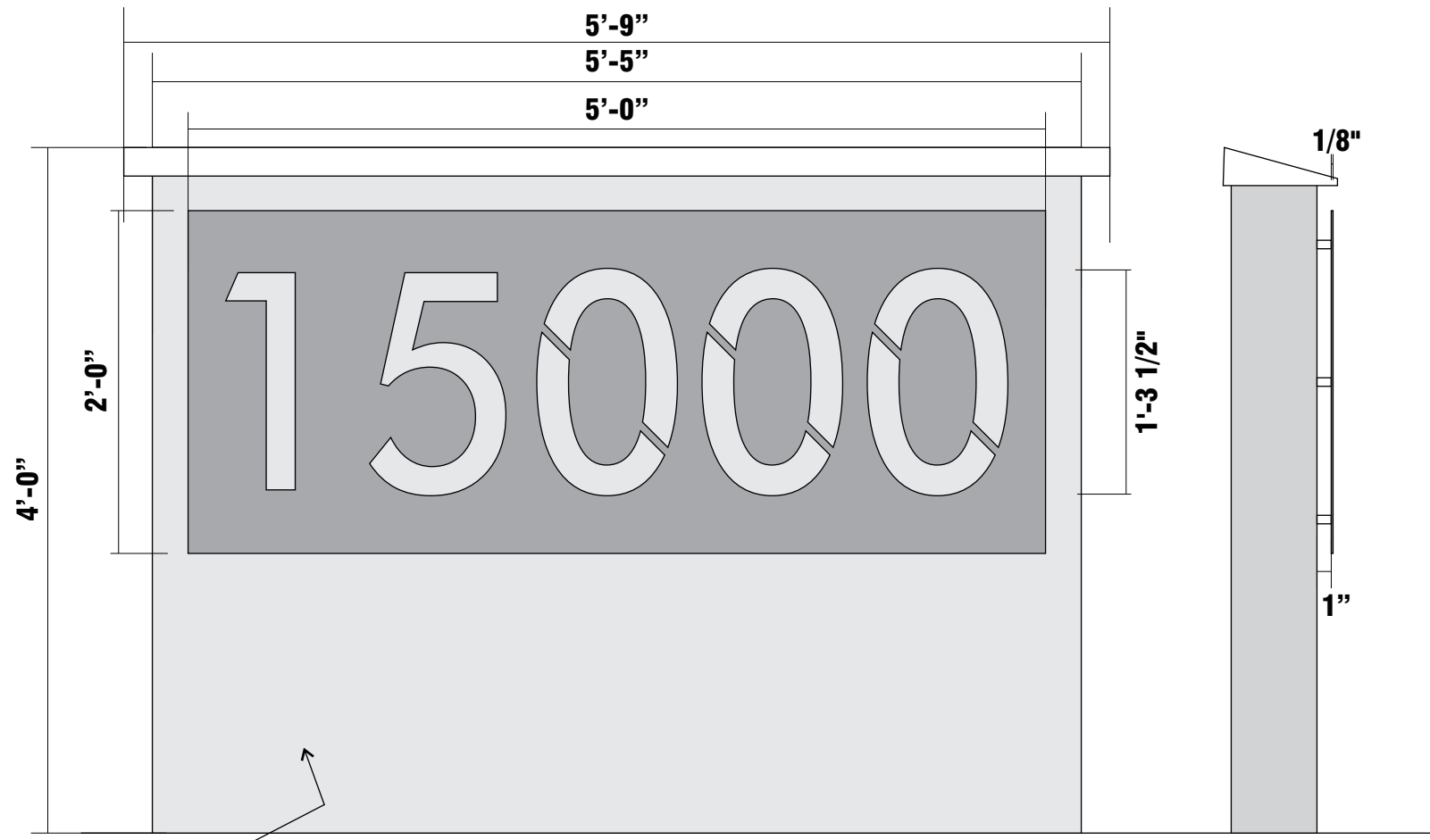


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COMPANY NAME	15000 BUILDING	SALESMAN	JM	DATE	2/8/24	REVISION	2/19/24cp	DESIGN NO.	B24-174
LOCATION	15000 MADISON AVE., LAKEWOOD, OH	DESIGNER	CP	SCALE	SHOWN		2/20/24cp	COPYRIGHT ©	2024
								FILE NAME	charlotte/ 15000 building S3 (2)



CONCRETE WALL PROVIDED BY OTHERS

SIGN ELEVATION: 1" = 1'-0'

Notes

- Manufacture & install one (1) non-illuminated, concrete wall with concrete cap holding one (1) single face, internally illuminated,, flat aluminum, panel halo illumination; address numbers to be routed out; panel to be stud mounted off of the concrete wall provided by others
- Panel to be painted medium grey; numbers to be routed out
 - Concrete base with concrete cap by others
 - Halo illumination done by white LEDs

RATED 120 VOLTS

*Specific colors to be determined



PHOTO RENDERING NTS

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COMPANY NAME	15000 BUILDING	SALESMAN	JM	DATE	2/9/24	REVISION	2/20/24cp	DESIGN NO.	B24-175
LOCATION	15000 MADISON AVE., LAKEWOOD, OH	DESIGNER	CP	SCALE	SHOWN			COPYRIGHT ©	2024
								FILE NAME	charlotte/ 15000 building S3 (2)