

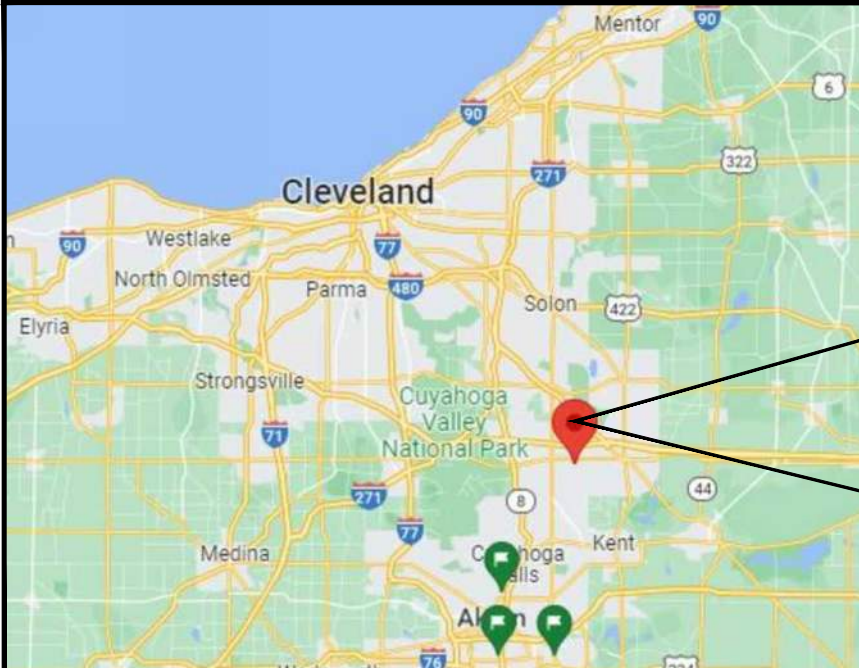
HARKIN RESIDENCE
2376 EBURY LANE
HUDSON, OH 44236



3453 West 140th Street
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EXAMPLE ONLY



VICINITY MAP

PREPARED BY:
**Translucent LLC dba
BrightCovers**

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PROPOSED LOCATION

DRAWING INDEX

<u>SHEET #</u>	<u>SHEET TITLE</u>
1	COVER SHEET & DRAWING INDEX
2	SITE PLAN
3	CONSTRUCTION PLAN
4	SECTION PLANS
5A	TYPICAL DETAILS
5B	TYPICAL DETAILS
6	SPECIFICATIONS
7	SNOW LOAD TABLES

ABBREVIATIONS

(E)	EXISTING
TYP	TYPICAL
O.C.	OFF CENTER
C.C.	CENTER TO CENTER

REVISIONS

<u>NO.</u>	<u>DESCRIPTION</u>	<u>DATE</u>
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BRIGHT COVERS ADDITION
HARKIN RESIDENCE

JANNE & DANIEL HARKIN
2376 EBURY LANE
HUDSON, OH 44236

TITLE SHEET

Dwn: SL Scale: AS NOTED

Dwg No. Rev.
1 0

CITY OF HOBAN
SUMMIT COUNTY
PARCEL ID: 3009525



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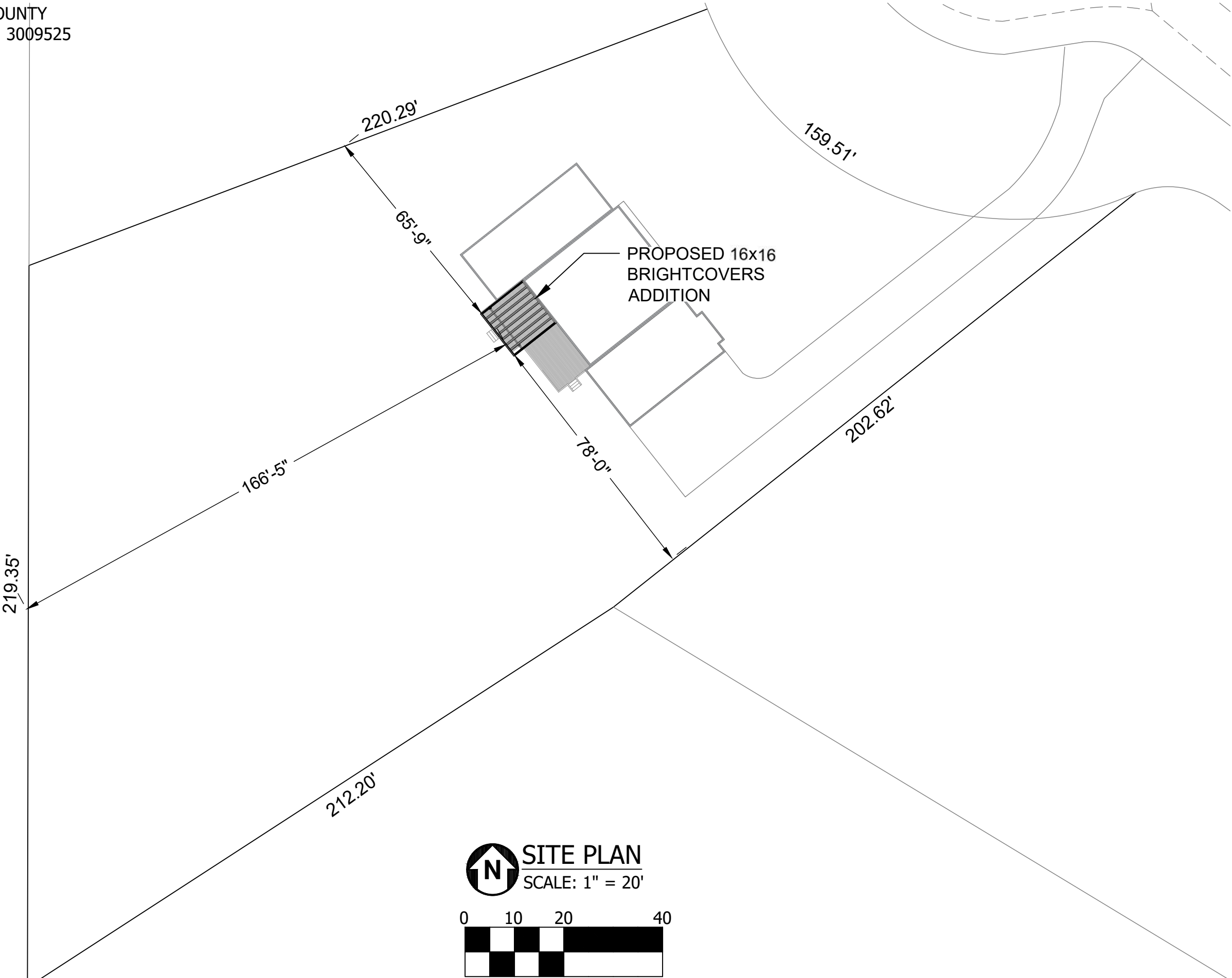
BRIGHT COVERS ADDITION
HARKIN RESIDENCE

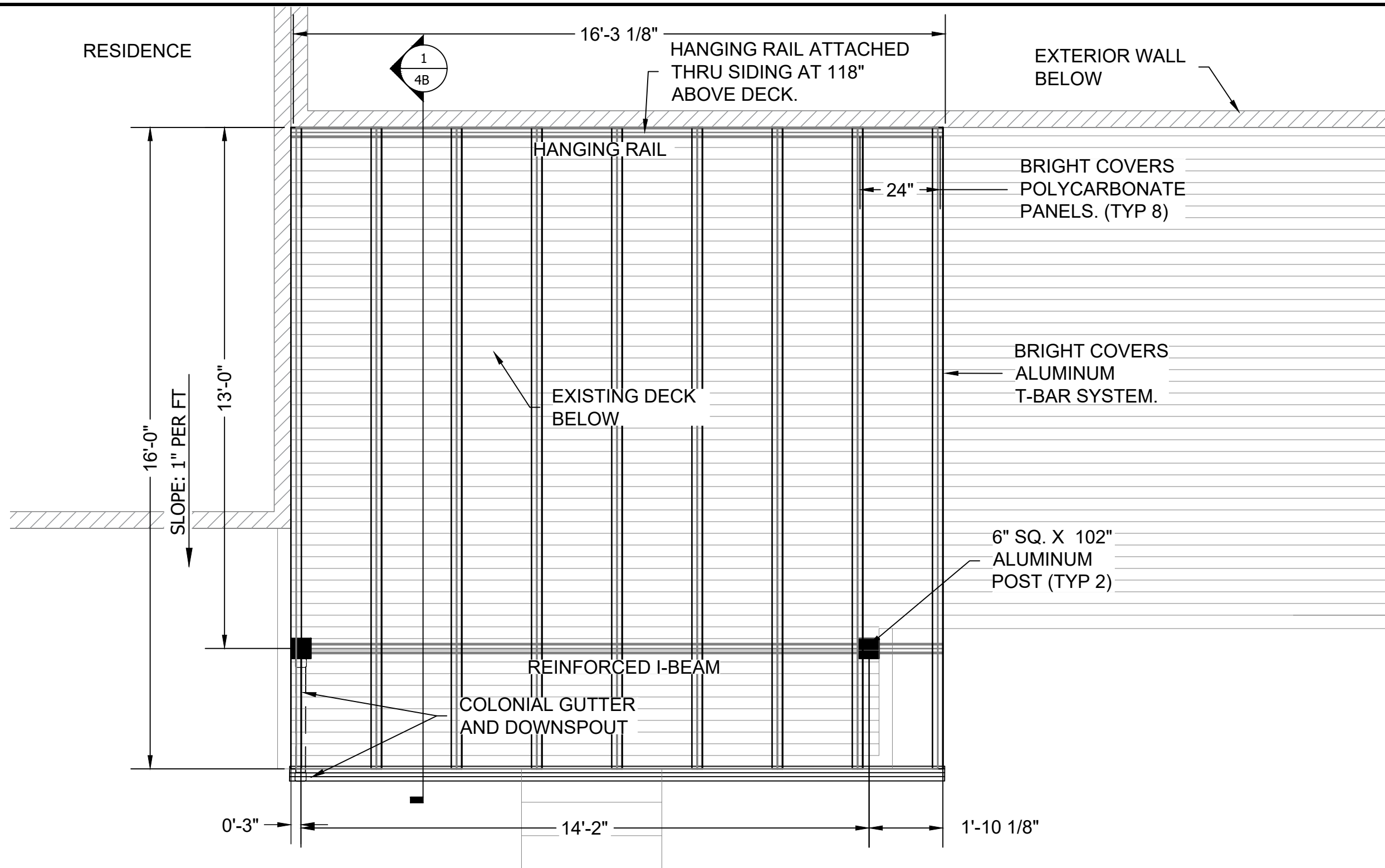
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SITE PLAN

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Dwg No.	Rev.
2	0





PLAN VIEW
 SCALE: 3/8" = 1'-0"

GENERAL NOTES

- COVER SHALL HAVE A WHITE ALUMINUM FRAME AND GREY POLYCARBONATE PANELS TO MATCH EXISTING ARCHITECTURE.
- COVER SHALL BE ATTACHED TO EXTERIOR WALL THRU SIDING AT 118" ABOVE EXISTING DECK.
- (2) 6" SQ X 102" ALUMINUM POSTS TO BE ANCHORED INTO EXISTING DECK WITH BLOCKING IF REQUIRED.
- ALL MEASUREMENTS TO BE FIELD VERIFIED BY INSTALLERS.



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**BRIGHT COVERS ADDITION
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**CONSTRUCTION
 PLAN**

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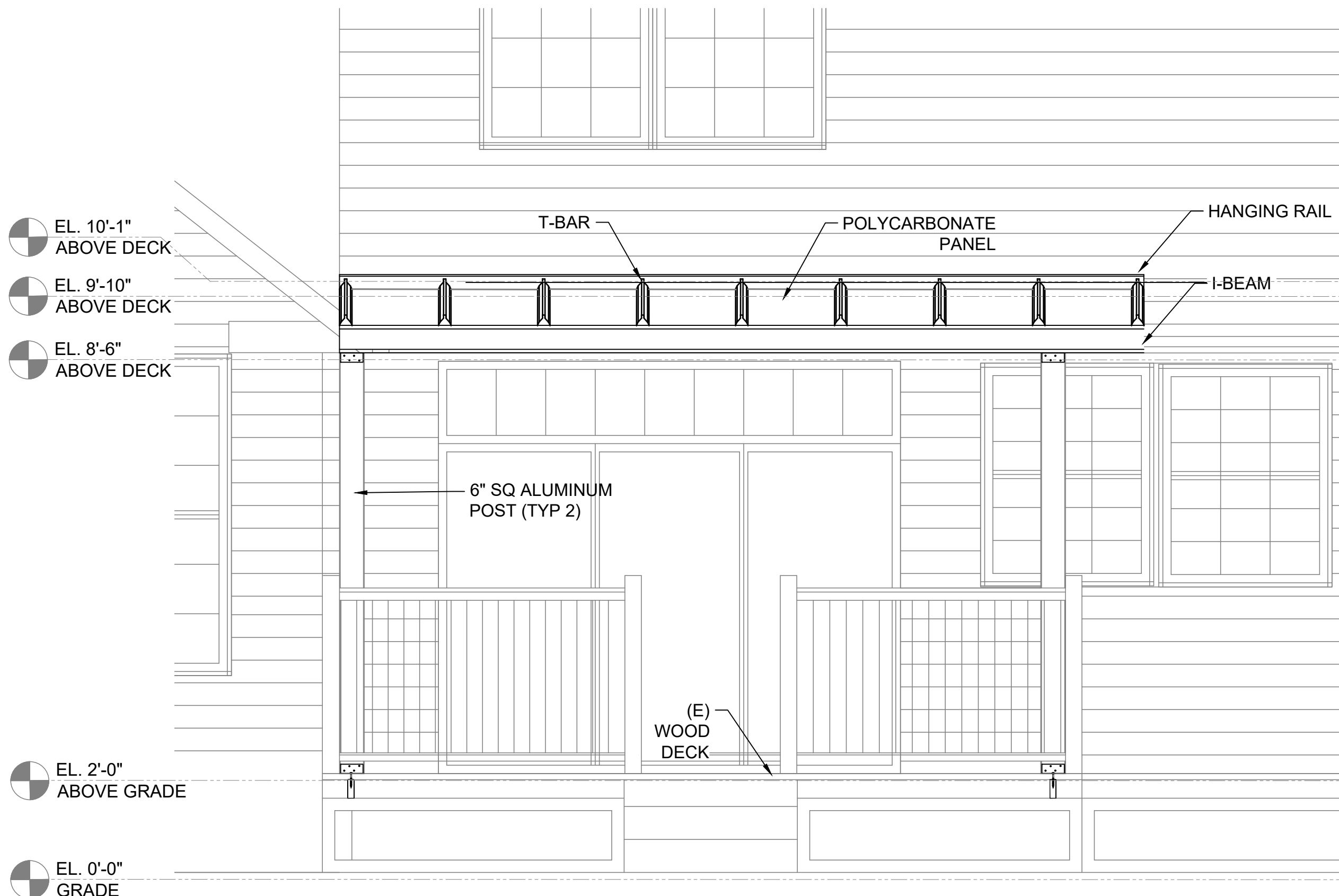
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SECTION PLAN

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4a	0

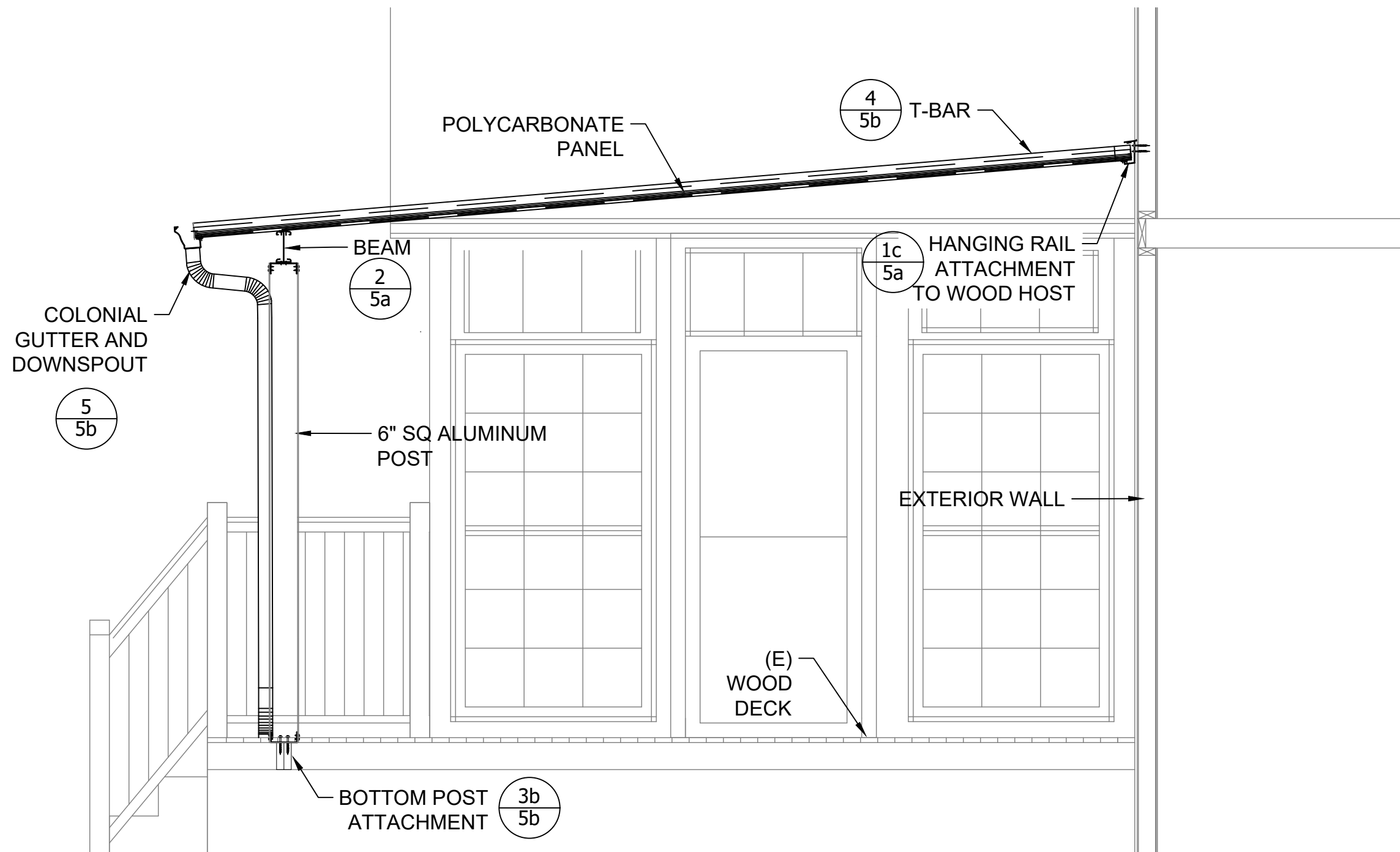


FRONT ELEVATION PLAN

SCALE: 1/2" = 1'-0"

NOTE:

1. SEE GENERAL NOTES SHEET 3
2. GUTTER AND DOWNSPOUT NOT SHOWN ON THIS SHEET FOR CLARITY.



1 SECTION PLAN
SCALE: 1/2" = 1'-0"

NOTE:
1. SEE GENERAL NOTES SHEET 3



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SECTION PLAN

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4b	0



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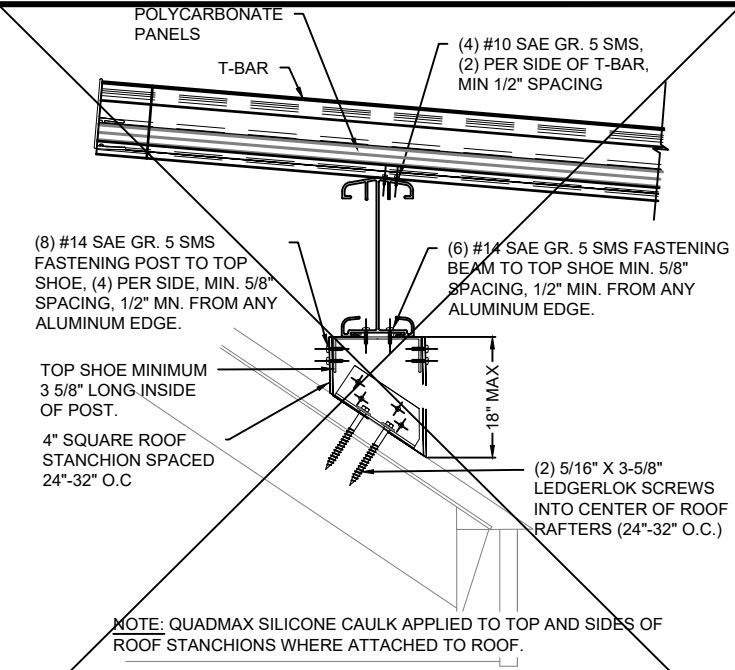
TYPICAL DETAILS

Dwn: SL Scale: AS NOTED

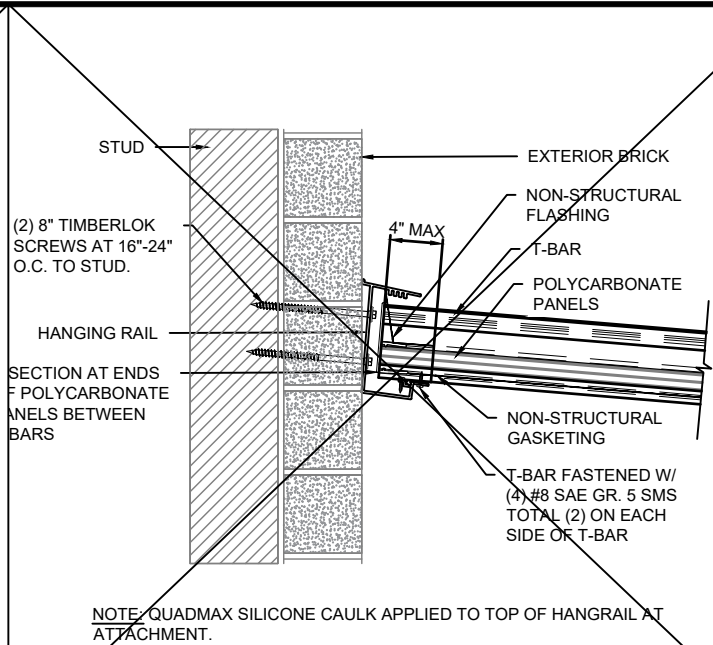
Dwg No. Rev.

5A

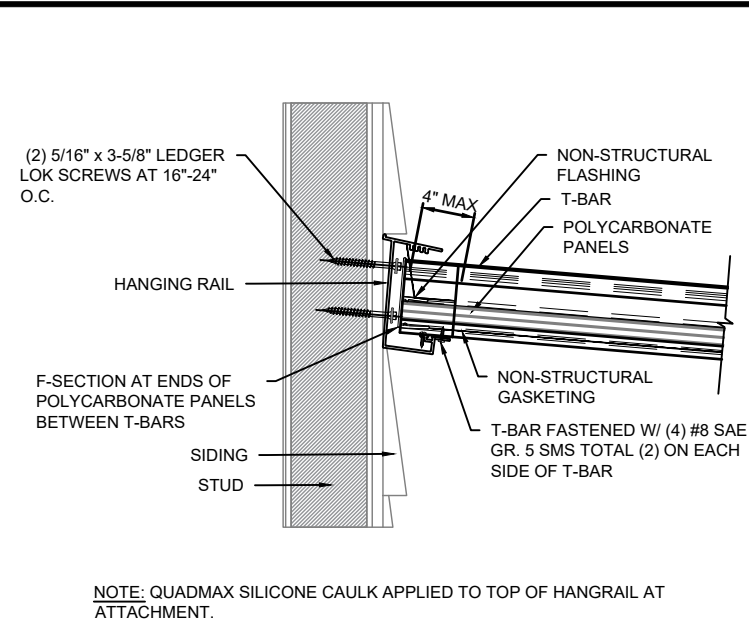
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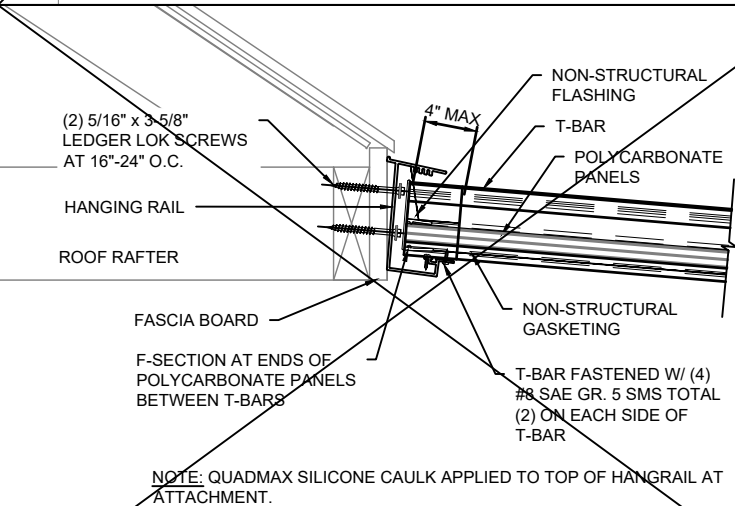
1a ROOF ATTACHMENT DETAIL
N.T.S.



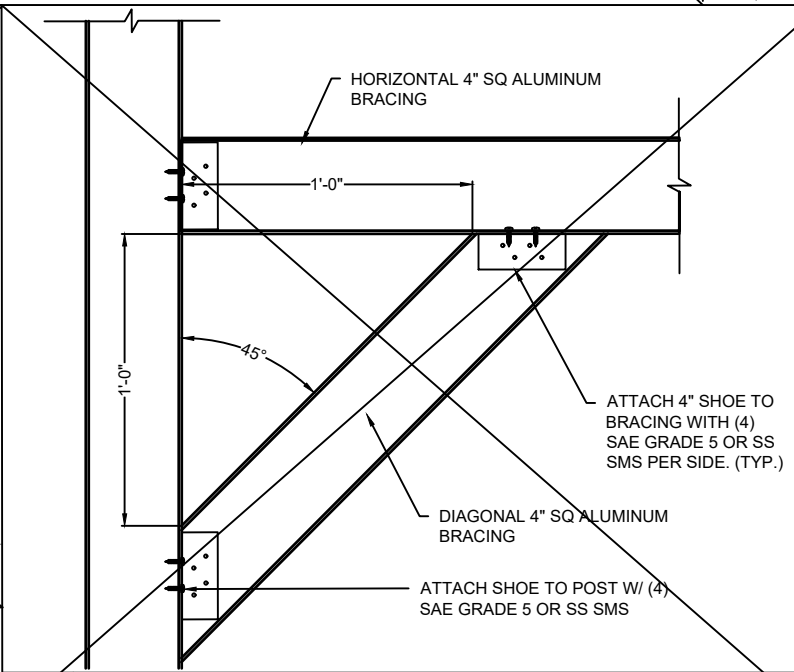
1b HANGING RAIL ATTACHMENT TO MASONRY HOST
N.T.S.



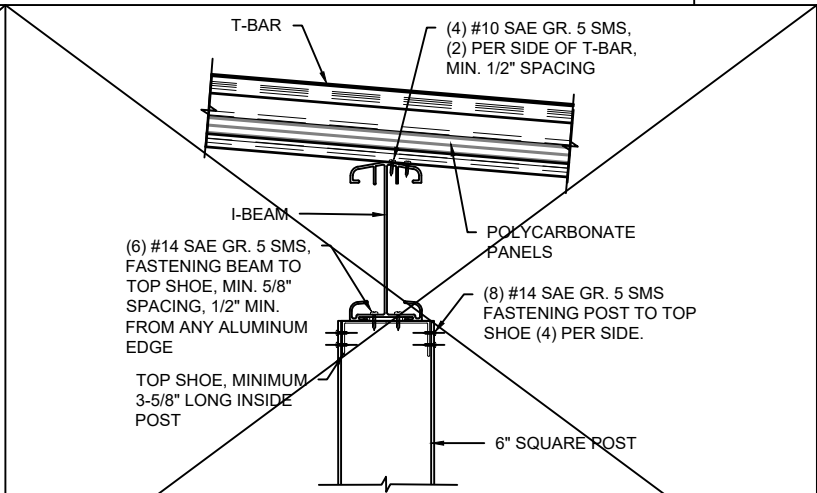
1c HANGING RAIL ATTACHMENT TO WOOD HOST
N.T.S.



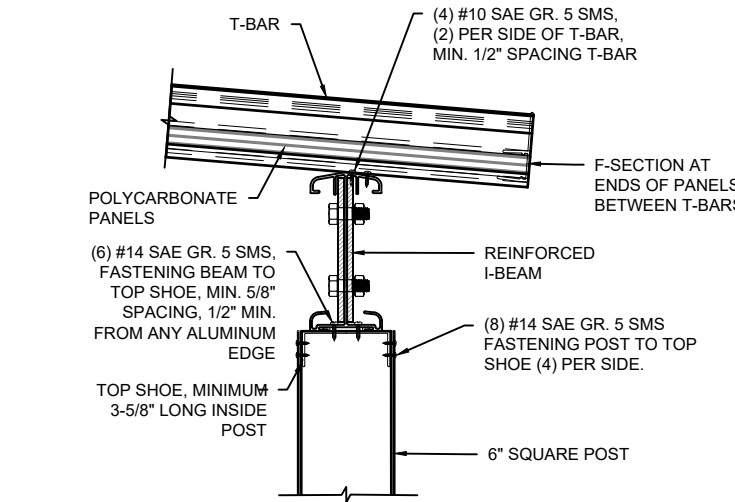
1d HANGING RAIL ATTACHMENT TO FASCIA
N.T.S.



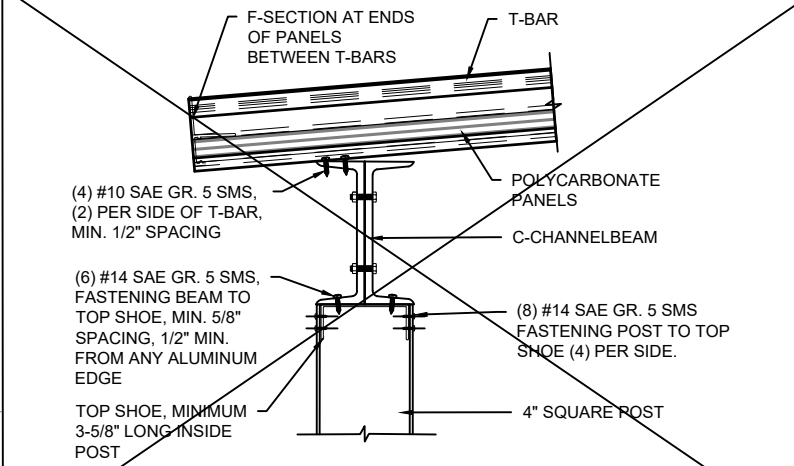
1e DIAGONAL/HORIZONTAL BRACING
N.T.S.



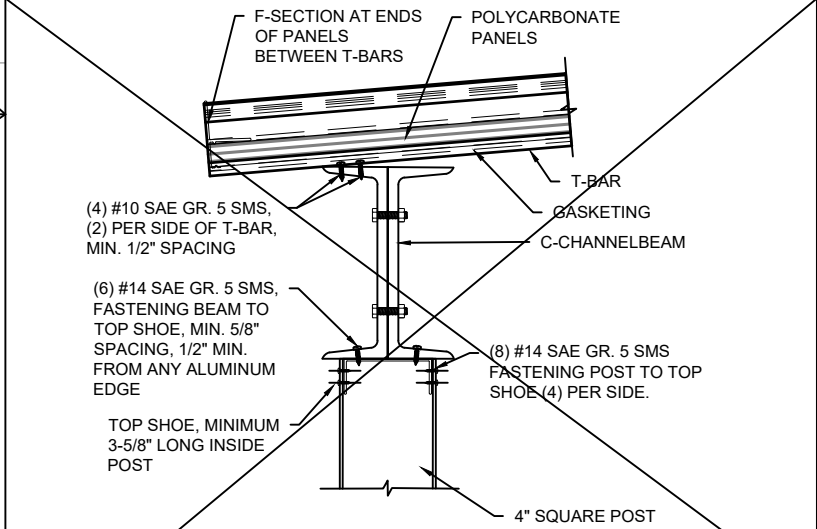
2 T-BAR TO I-BEAM, TO 4" POST
N.T.S.



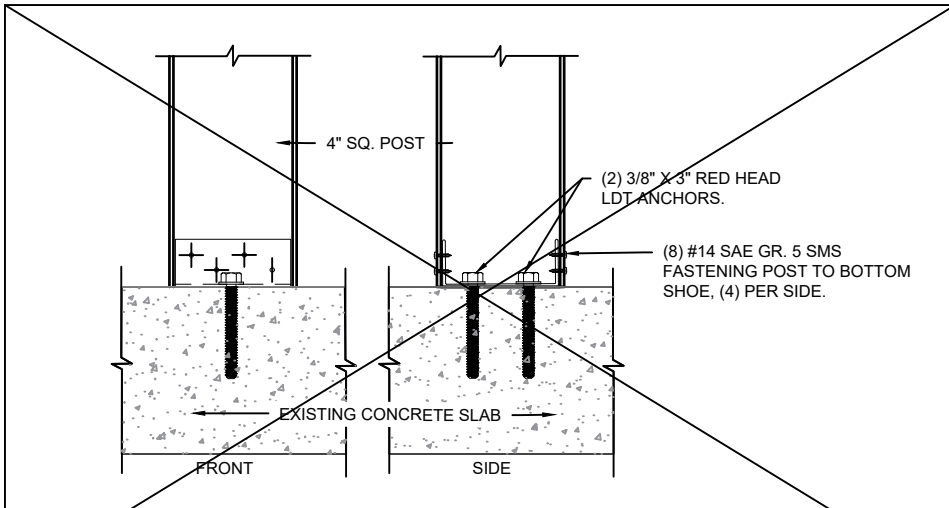
2 T-BAR TO REINFORCED I-BEAM, TO 4" POST
N.T.S.



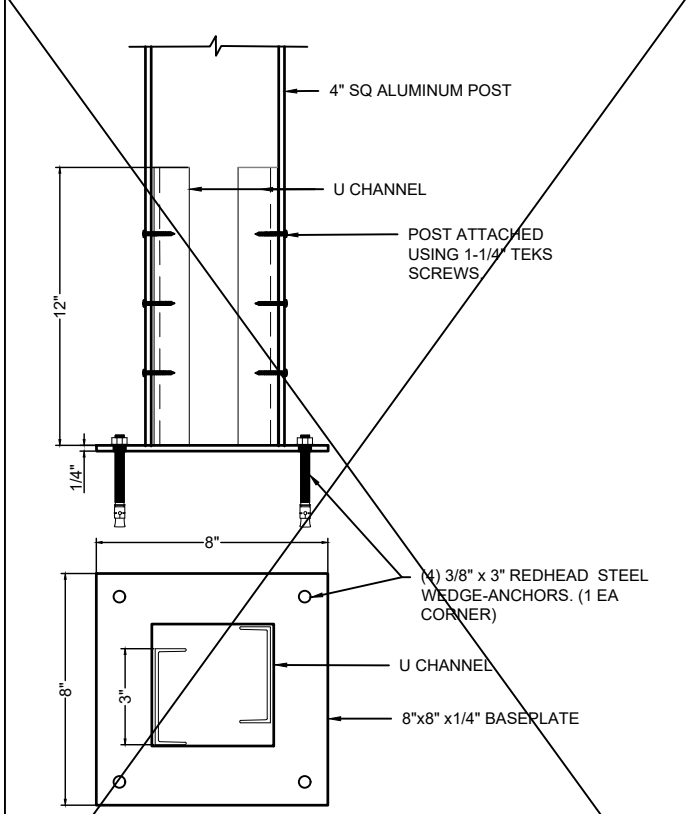
2 T-BAR TO 6" CHANNEL BEAM, TO 4" POST
N.T.S.



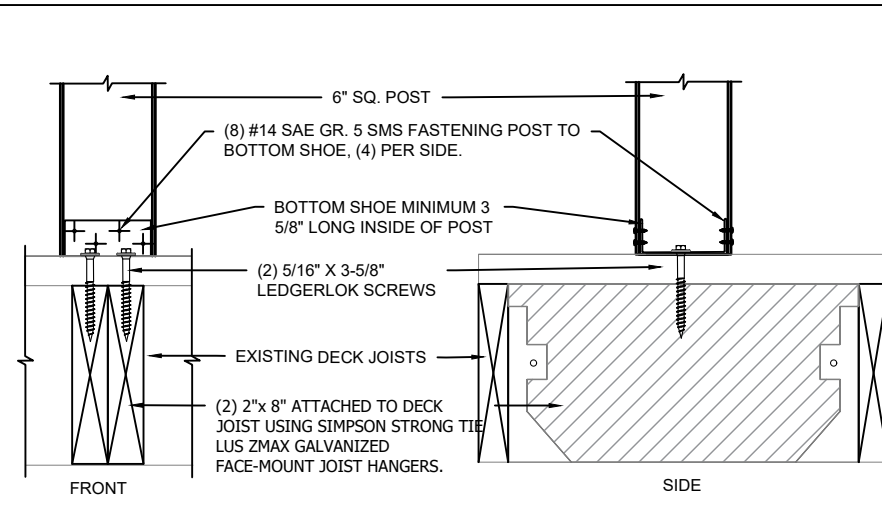
2 T-BAR TO 8" CHANNEL BEAM, TO 4" POST
N.T.S.



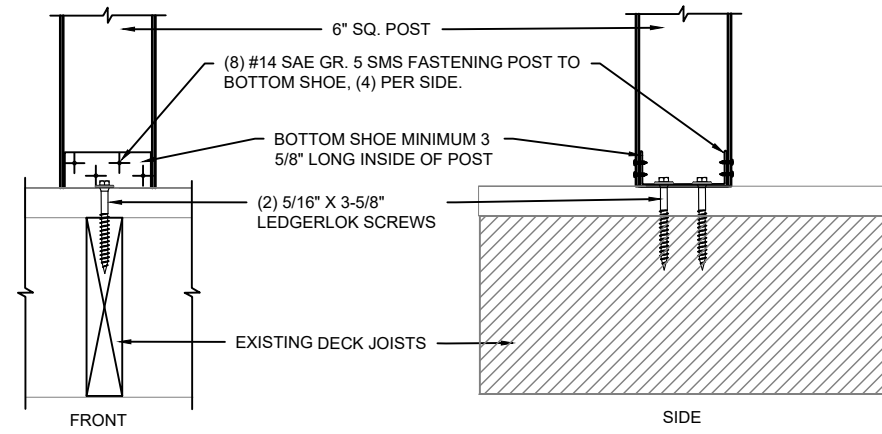
3a POST ATTACHMENT TO CONCRETE SLAB
N.T.S



3d 4" POST ANCHORAGE TO CONCRETE SLAB
N.T.S

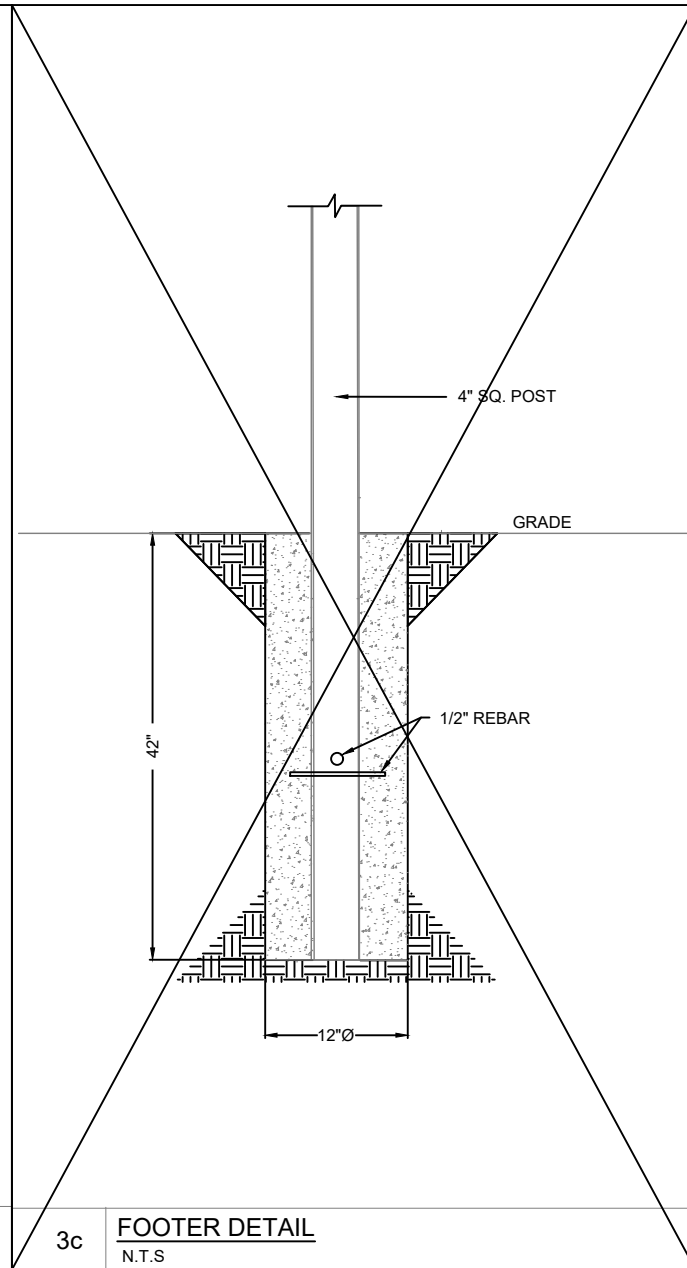


6" POST ATTACHMENT TO BLOCKING

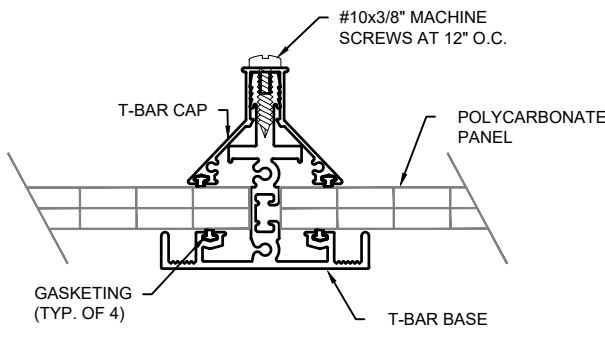


6" POST ATTACHMENT TO DECK JOIST

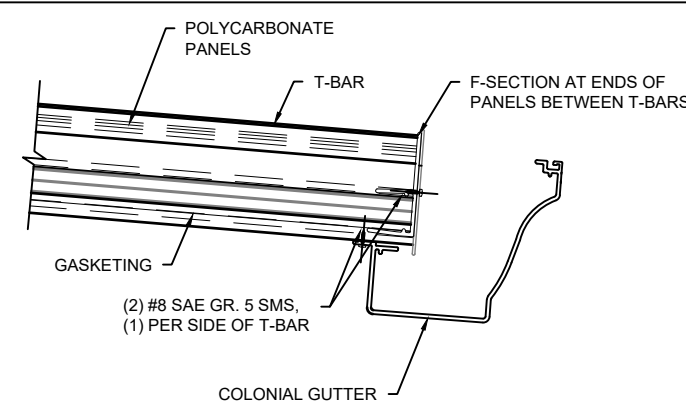
3b POST ATTACHMENT TO EXISTING DECK JOISTS
N.T.S



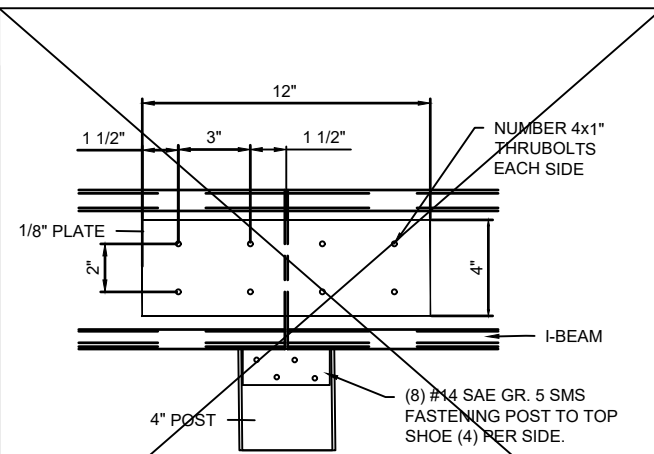
3c FOOTER DETAIL
N.T.S



4 T-BAR DETAIL
N.T.S



5 GUTTER ATTACHMENT DETAIL
N.T.S



6 SPLICE DETAIL
N.T.S



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BRIGHT COVERS ADDITION
HARKIN RESIDENCE

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2376 EBURY LANE
HUDSON, OH 44236

TYPICAL DETAILS

Dwn: SL Scale: AS NOTED

Dwg No. 5B Rev. 0

ALUMINUM COMPONENT PROPERTIES

Lexan* International Building Code (IBC) Compliance

LEXAN* Thermoclear and Corrugated Sheet products meet the International Code Council (ICC) requirements for light transmitting plastics as outlined in chapter 26 of the IBC. These requirements include standards for self-ignition, burn rate, smoke density, flame spread and smoke development.

The IBC limits the use of approved plastic materials. Limitations include the size of each panel, distance between panels, as well as building type, height, and location. Consult the prevailing code to ensure compliance.

Self-Ignition Temperature (ASTM D 1929)

Plastic material must have a self-ignition temperature of 650 F or greater. LEXAN* Thermoclear and Corrugated Sheet have a self-ignition temperature of about 1000 F.

Horizontal Burn Rate (ASTM D 635)

Plastic material that have a burning extent of 1 inch or less have a CC1 classification. Plastic materials that have a burning rate of 2.5 inches per minute or less have a CC2 classification. LEXAN* Thermoclear and Corrugated sheet have a CC1 classification since they self extinguish between 0.4 and 1 inch.

Smoke Density (ASTM D 2843)

Plastic material must have a smoke density rating no greater than 75 where tested in the thickness intended for use. LEXAN* Thermoclear, Thermoclick, and Corrugated sheet typically generate a smoke density value between 40-73.

Flame Spread and Smoke Development (ASTM E84)

In order to obtain the Flame Spread Classification, results must fall into a range between 0 and 25 to be Class A, 26-75 for Class B, and 76-200 for Class C. In all cases, Smoke Development must be less than 450. Lexan* Thermoclear, Thermoclick, and Corrugated sheet products have a class A classification.

* Registered trademark(s) of SABIC Innovative Plastics BV 1 Plastics Avenue Pittsfield, MA 01201 USA T-413-448-7702 mike.laurin@sabic-ip.com www.sabic-ip.com	ANY SALE OF PRODUCTS OR DELIVERY OF CUSTOMER SUPPORT AND ADVICE BY SABIC INNOVA-TIVE PLASTICSHOLDING BV, ITS SUBSIDIAR- IES AND AFFILIATES ("SELLER"), IS MADE EXCLU-SIVELY UNDER SELLER'S STANDARD CONDITIONS OF SALE which can be located at http:// www.sabic-ip.com. SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE PERFOR-MANCE, SUSTAINABILITY OR FITNESS FOR INTENDED USE OF ITS PRODUCTS IN ANY CUSTOMER'S APPLICATION. Each customer should determine the suitability of SELLERS materials for the customer's particular use through appropriate testing and analysis. SABIC Inno- vative Plastics is a trademark of SABIC Holding Europe BV.
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MEMBER	DIE NO.	ALLOY	AREA (in ²)	S _x (in ³)	S _y (in ³)	I _x (in ⁴)	I _y (in ⁴)
Side Fascia	24089	6063-T5	0.609	0.473	0.0709	1.131	0.071
Heavy Duty T-Bar	-	6061-T6	1.424	0.607	0.428	1.201	0.672
Square Post	24250	6061-T6	0.832	0.713	0.713	0.980	0.980
T-Bar Cap	24251	6061-T6	0.392	0.166	0.110	0.168	0.130
F-Section	24252	6063-T5	0.146	0.008	0.031	0.004	0.029
Hanging Rail	24255	6061-T6	1.064	1.349	0.348	3.264	0.678
Top Shoe	24729	6061-T6	1.064	0.118	0.450	0.131	0.563
Bottom Shoe	24882	6061-T6	0.846	0.140	0.657	0.178	1.810
Colonial Gutter	30111	6063-T5	1.229	0.430	1.890	1.279	5.807
Heavy Duty I-Beam	30278	6061-T6	1.680	3.426	0.691	11.357	1.037

NOTES:

1. WHERE HEAVY DUTY I-BEAM IS MENTIONED, THIS INCLUDES ALL BEAMS; REINFORCED, 6" CHANNEL BEAMS AND 8" CHANNEL BEAMS.

PANEL TOLERANCES

GAUGE/WEIGHT	STRUCTURE	WEIGHT	GAUGE	WIDTH	LENGTH < 20FT/6M	LENGTH > 20FT/6M
0.177in 0.205lb/ft2 4.5mm 1.0 kg/m2	2RS	+/- 1%	+/-7%	+/-0.5%	+0.472in +12mm	+1.81in +30mm
0.236in 0.266 lb/ft2 6.0mm 1.3 kg/m2	2RS	+/- 1%	+/-5%	+/-0.5%	+0.472in +12mm	+1.81in +30mm
0.315in 0.348 lb/ft2 8.0mm 1.7 kg/m2	2RS/3TS	+/- 1%	+/-5%	+/-0.5%	+0.472in +12mm	+1.81in +30mm
0.394in 0.409 lb/ft2 16.0mm 2.0 kg/m2	2RS/3TS	+/- 1%	+/-5%	+/-0.5%	+0.472in +12mm	+1.81in +30mm
0.63in 0.573 lb/ft2 16.0mm 2.8 kg/m2	3TS	+/- 2%	+/-3%	+/-0.5%	+0.472in +12mm	+1.81in +30mm
0.787in 0.614 lb/ft2 20.0mm 3.0 kg/m2	3TS	+/- 2%	+/-3%	+/-0.5%	+0.472in +12mm	+1.81in +30mm
0.984in 0.655 lb/ft2 25.0mm 3.2 kg/m2	3TS	+/- 2%	+/-3%	+/-0.5%	+0.472in +12mm	+1.81in +30mm

NOTES:

1. THE LEXAN THERMOCLEAR 15 POLYCARBONATE SHEETS (TM) ARE MANUFACTURED BY SAUDI BASIC INDUSTRIES CORPORATION (SABIC).
2. ALL TESTS, INCLUDING TOLERANCES, IMPACT TESTING, WEATHER RESISTANCE AND FIRE RATING, ON THE LEXAN THERMOCLEAR 15 POLYCARBONATE SHEETS (TM) HAVE BEEN CONDUCTED BY SABIC. ALL CONCLUSIONS AND CALCULATIONS HEREIN ARE PROVIDED BY SABIC PRODUCT DATA.

SPECIFICATIONS

- A. DESIGN CRITERIA
1. THE BRIGHTCOVERS CANOPY SYSTEM IS A PRE-MANUFACTURED PRODUCT AND SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS SET FORTH IN THE 2019 OHIO RESIDENTIAL CODE (ORC) AND THE 2017 OHIO BUILDING CODE (OBC).
2. ALL STRUCTURAL ELEMENTS AND SYSTEMS MADE OF ALUMINUM CONFORM TO AA ALUMINUM DESIGN MANUAL (ADM) 2020 REQUIREMENTS.
3. ALL ALUMINUM ALLOYS CONFORM TO THE AA ALUMINUM STANDARDS AND DATA 2017.
4. THE APPLICABLE STRUCTURAL LOADS HAVE BEEN TAKEN INTO ACCOUNT IN ACCORDANCE WITH THE ASCE 7-10 (MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES).



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HUDSON, OH 44236

SPECIFICATIONS

Dwn: SL Scale: AS NOTED

Dwg No. Rev.

6

0

SCHEDULE 1

DESIGN PRESSURES (PSF)					
BASIC WIND SPEED	LIVE/SNOW LOAD	EXPOSURE	BEAMS AND T-BARS	COLUMNS	LATERAL DESIGN PRESSURES
115	30	B	+35.6/-11.9	+34.8/-10.5	+18.1/-12.1

SCHEDULE 2

T-BAR SPANS				
LIVE/SNOW LOAD (PSF)	PANEL SPAN 24"		PANEL SPAN 48"	
	OVERHANG (FT)	MAX SPAN (FT)	OVERHANG (FT)	MAX SPAN (FT)
25	0	14.50	0	10.25
	1	14.50	1	10.25
	2	14.75	2	10.50
	3	15.00	3	10.75
30	0	14.00	0	10.00
	1	14.25	1	10.00
	2	14.25	2	10.25
	3	15.00	3	10.00

SCHEDULE 3

PANEL SPANS			
BASIC WIND SPEED	LIVE/SNOW LOAD	EXPOSURE	ALLOWABLE PANEL SPAN
115	30	B	32"

SCHEDULE 4

BEAM SPANS								
BEAM	BASIC WIND SPEED	LIVE/SNOW LOAD	EXPOSURE	ALLOWABLE BEAM SPAN INTERIOR	ALLOWABLE BEAM SPAN END W/ 0' OH	ALLOWABLE BEAM SPAN END W/ 1' OH	ALLOWABLE BEAM SPAN END W/ 2' OH	ALLOWABLE BEAM SPAN END W/ 3' OH
REINFORCED I-BEAM	115	30	B	216.00"	216.00"	216.00"	216.00"	210.84"
6" CHANNEL BEAM				288.00"	288.00"	288.00"	288.00"	288.00"
8" CHANNEL BEAM				288.00"	288.00"	288.00"	288.00"	288.00"



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SNOW LOAD
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7 0



5840

























