

PRESENTED BY
EPIC GROUP OHIO

PROJECT
THE PEARL

ADDRESS
88 N. HIGH ST.
DUBLIN, OH 43017

CONTRACT NO.
20050088R

STRUXURE™
OUTDOOR

STRUXURE OUTDOOR INC.
154 ETHAN ALLEN DRIVE
DAHLONEGA, GA



SHEET INDEX

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NOTES

FRAME: BRONZE
LOUVERS: BRONZE
ELEVATION: AT GRADE

DURING SUCH PERIODS OF TIME AS ARE DESIGNATED BY THE U.S.WEATHER BUREAU AS A HIGH WIND OR SNOW ADVISORY FOR THE AREA, THIS SYSTEM MUST BE LOCKED IN THE OPEN POSITION, WITH THE LOUVER BLADES VERTICAL THE STRUCTURE SHALL ALSO NOT BE WALKED UPON AND IS NOT DESIGNED FOR HUMAN ACTIVITY OR STORAGE.

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154 ETHAN ALLEN DR.
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(800) 303-5248

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DESCRIPTION

DATE
07/24/20

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SCALE

SHEET NO.

A 100



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REVISIONS	
PERSPECTIVE VIEW	
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ABBREVIATIONS	LEGEND

Aluminium Type:
Louvers 6063-T5
All Other Components 6063-T6

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TOP VIEW

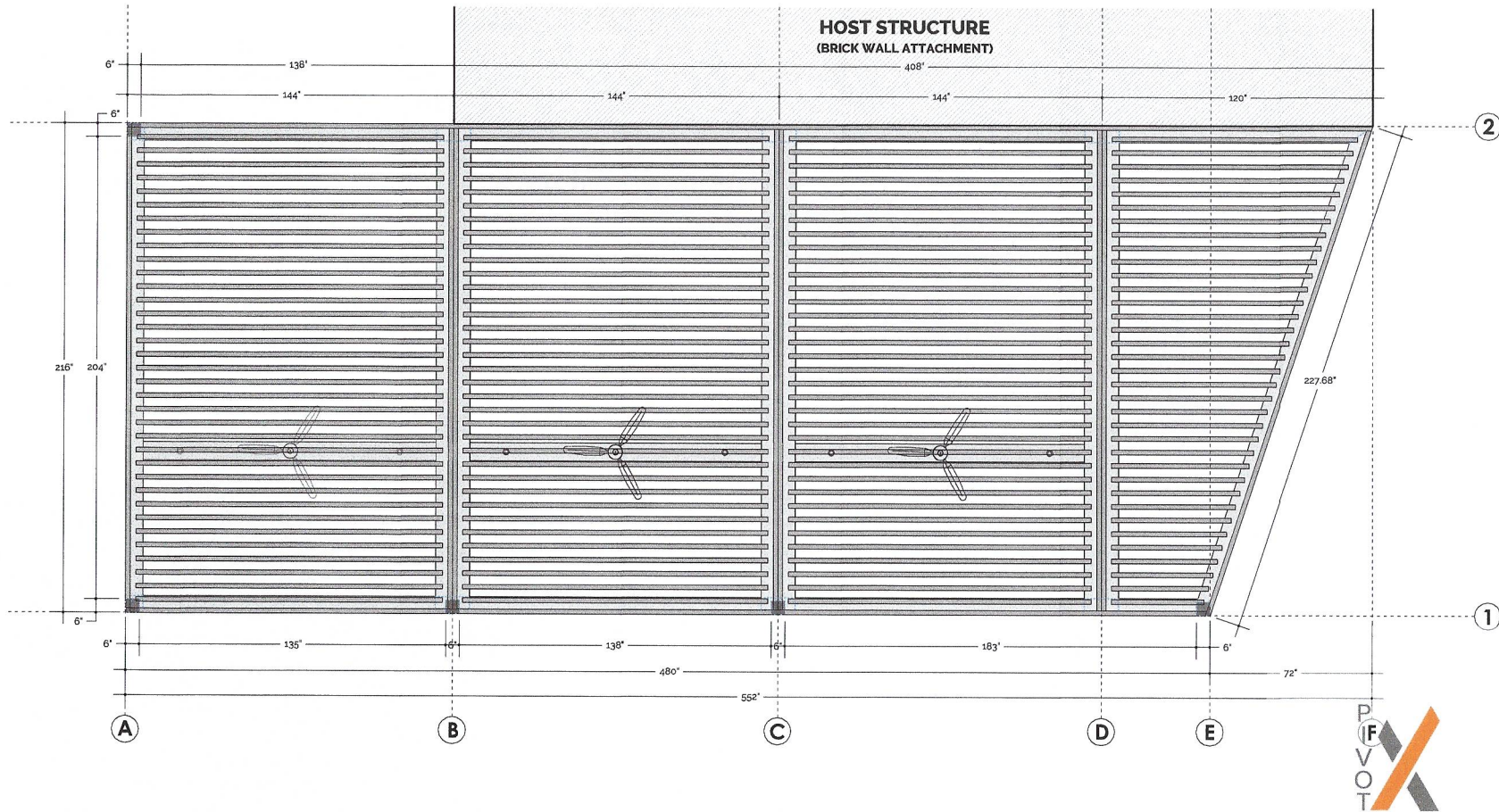
DATE
07/24/20

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SCALE
1/4" = 1'-0"

SHEET NO.

A 102



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

Aluminium Type:
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All Other Components 6063-T6

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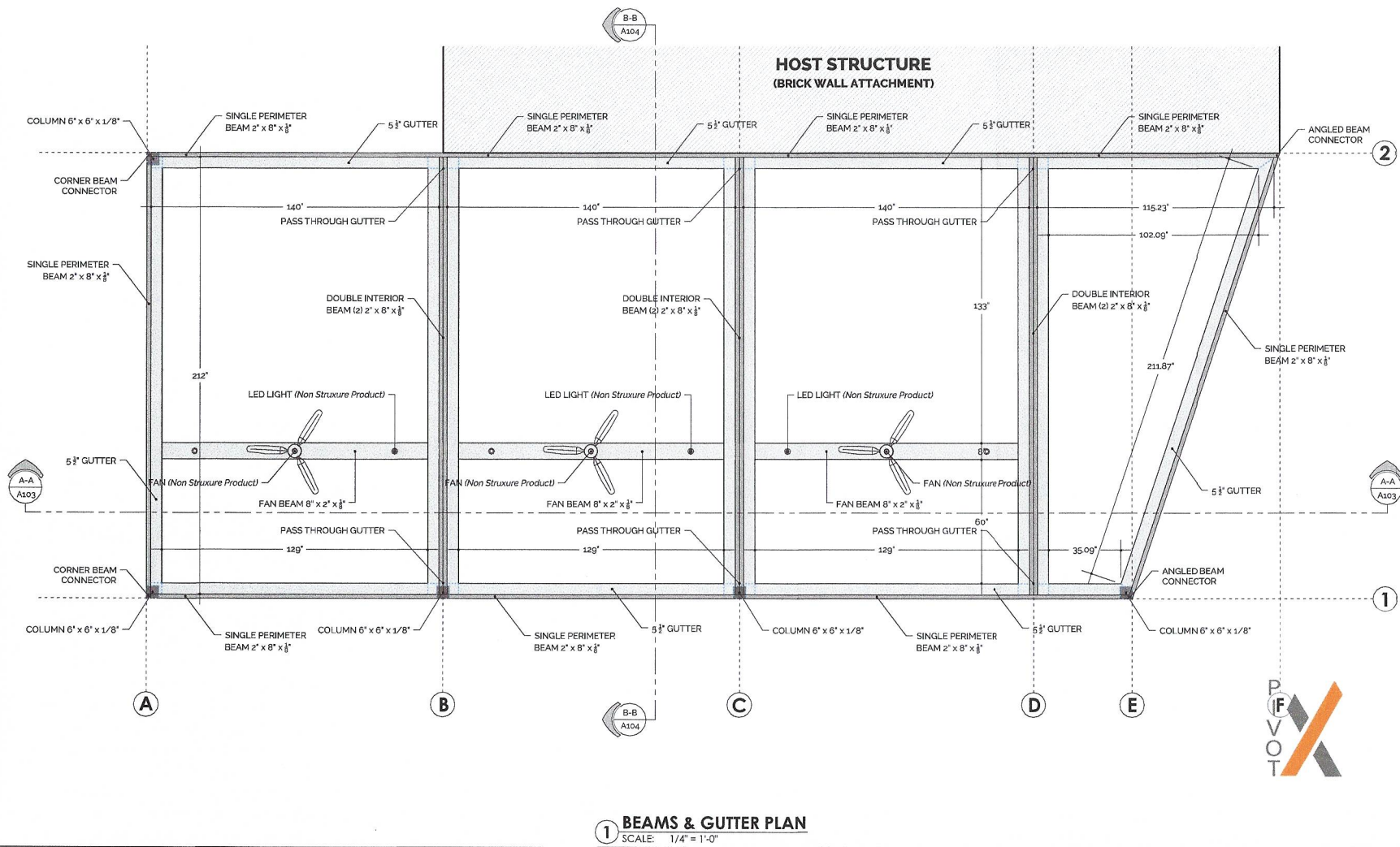
**BEAMS &
GUTTER PLAN**

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1/4" = 1'-0"

SHEET NO.
A 103



Aluminium Type:
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REVISIONS

SECTION
A-A

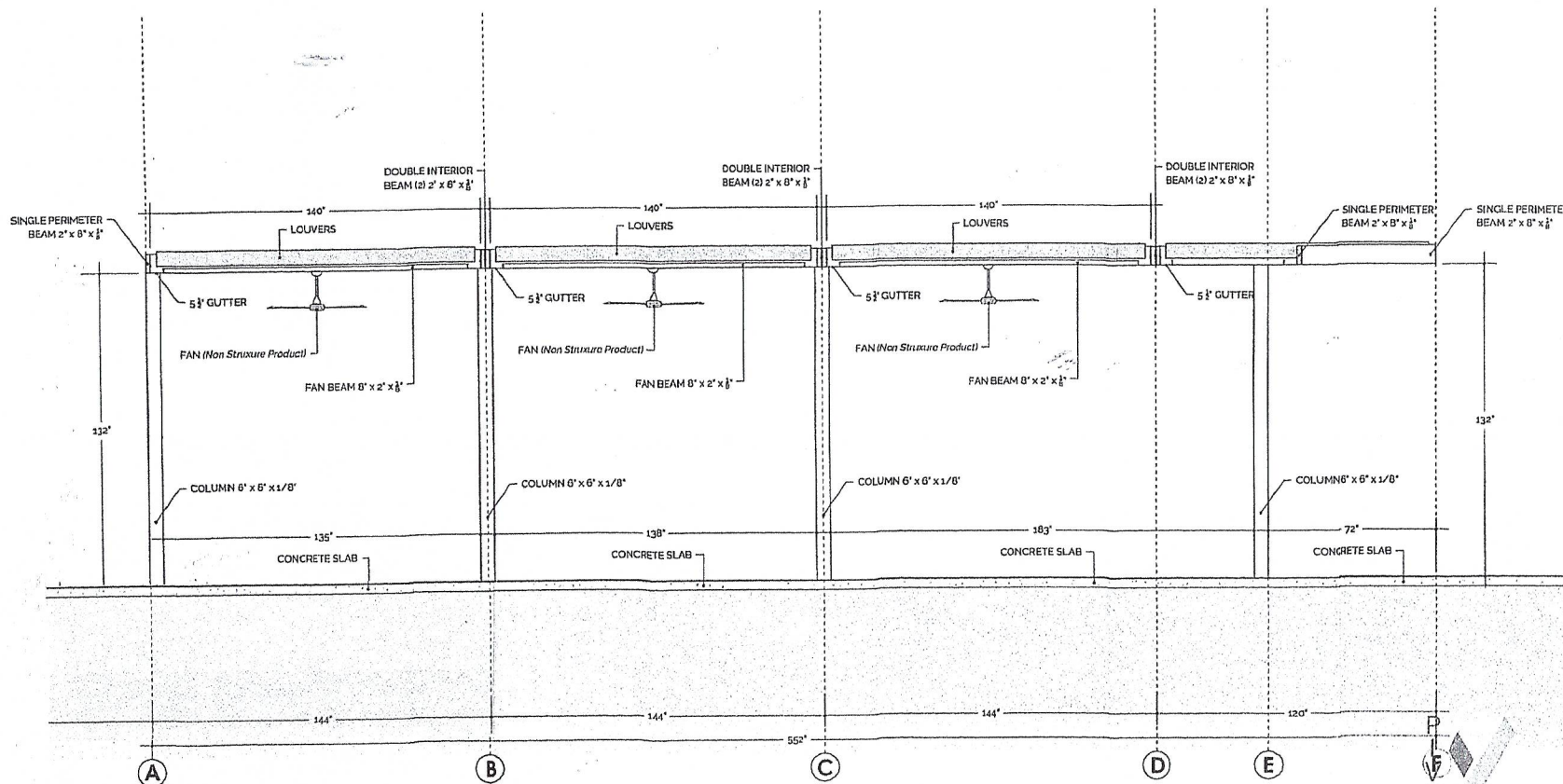
DATE
07/24/20

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SCALE
1/4" = 1'-0"

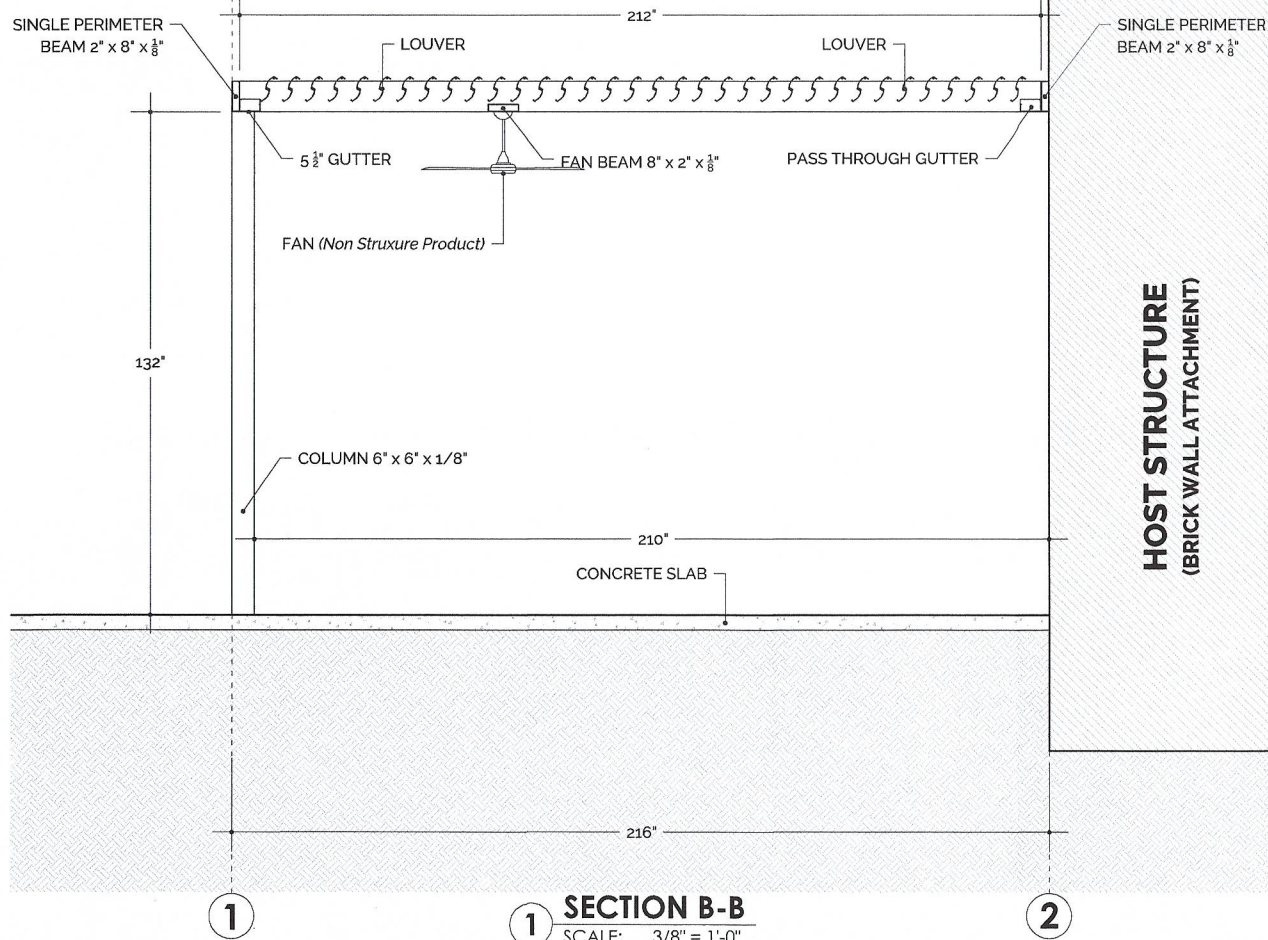
SHEET NO.

A 104



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

Aluminium Type:
Louvers 6063-T5
All Other Components 6063-T6



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SECTION
B-B

DATE
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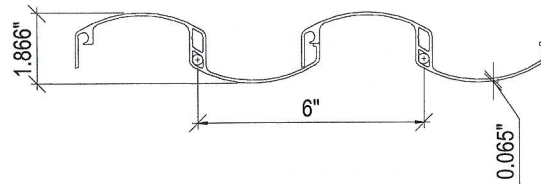
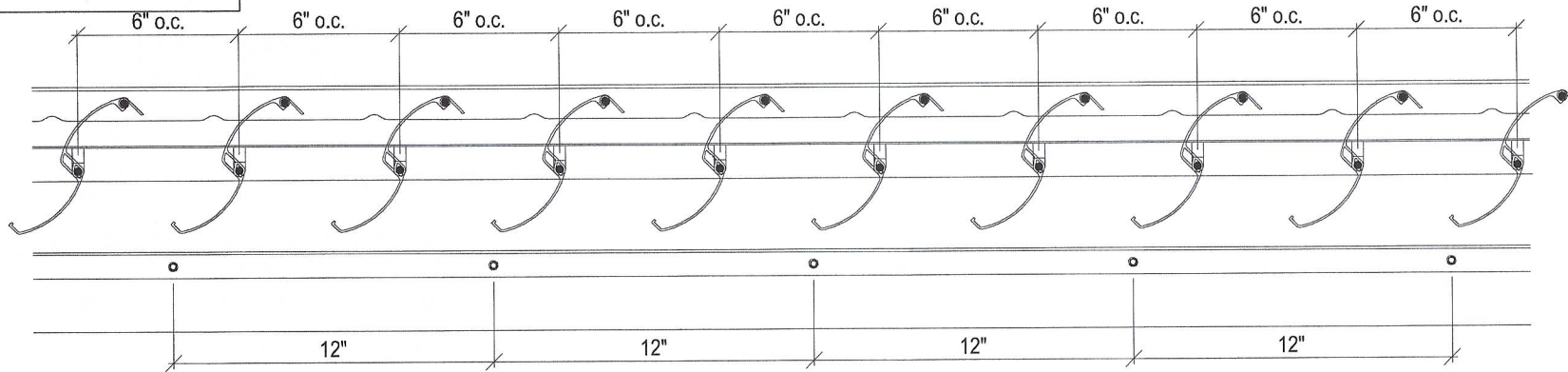
SCALE
3/8" = 1'-0"

SHEET NO.

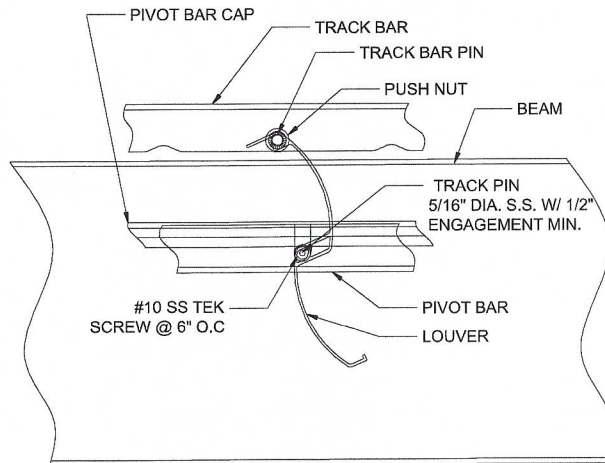
A 105



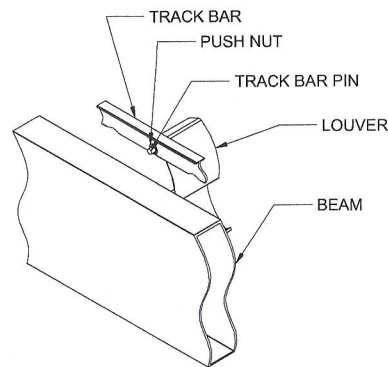
Aluminium Type:
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All Other Components 6063-T6



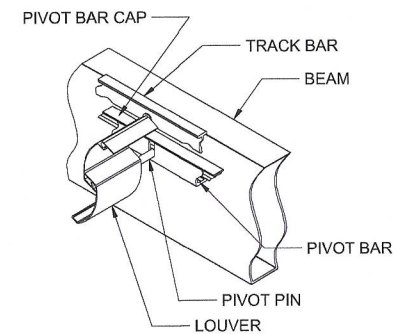
LOUVERS DETAIL



SIDE VIEW



ISOMETRIC OUT-SIDE VIEW



ISOMETRIC IN-SIDE VIEW

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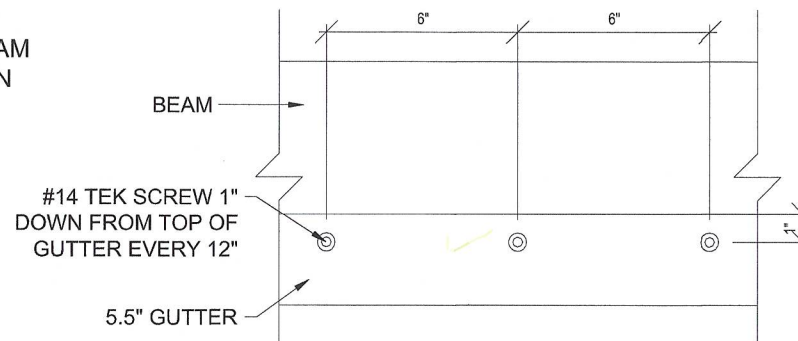
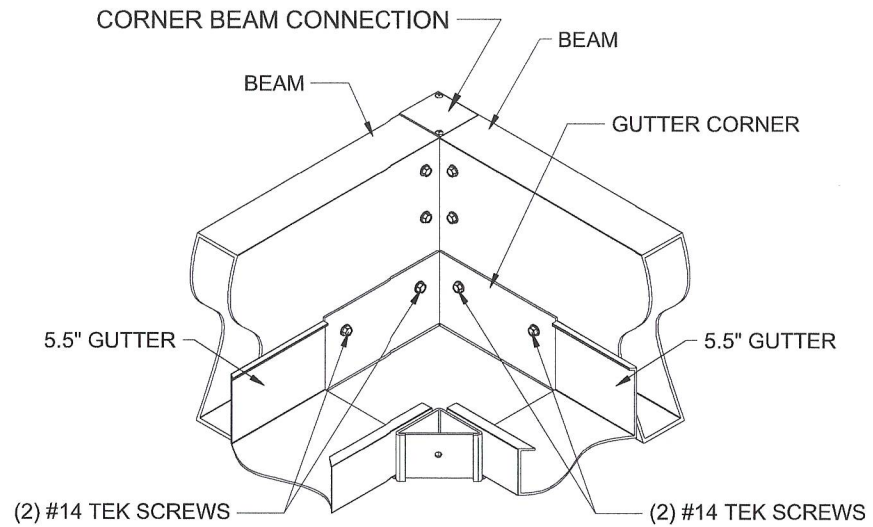
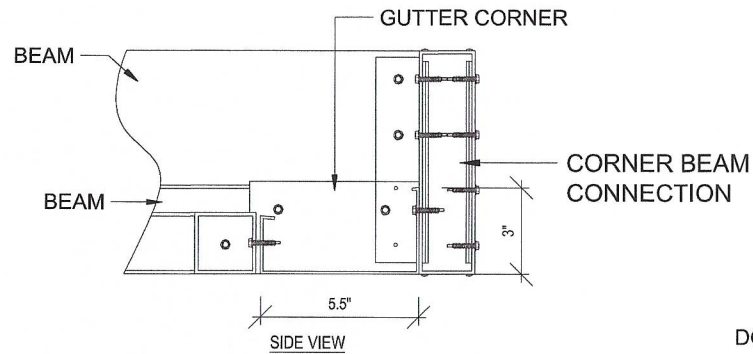
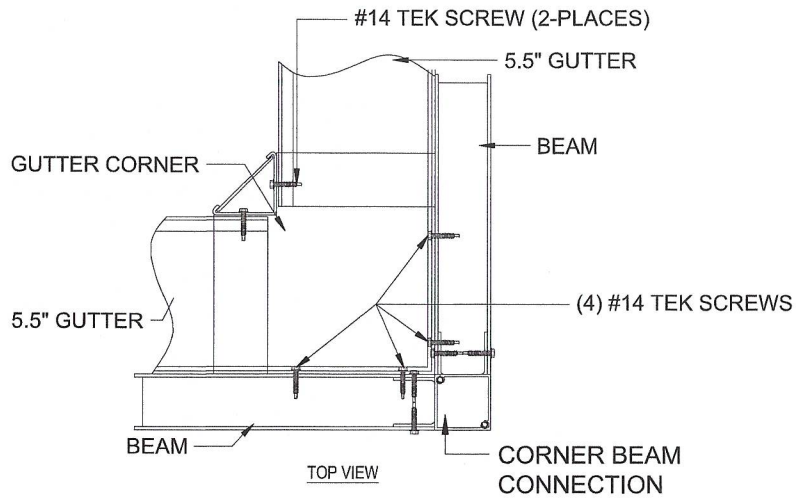
A 106

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All Other Components 6063-T6

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GUTTER ASSEMBLY

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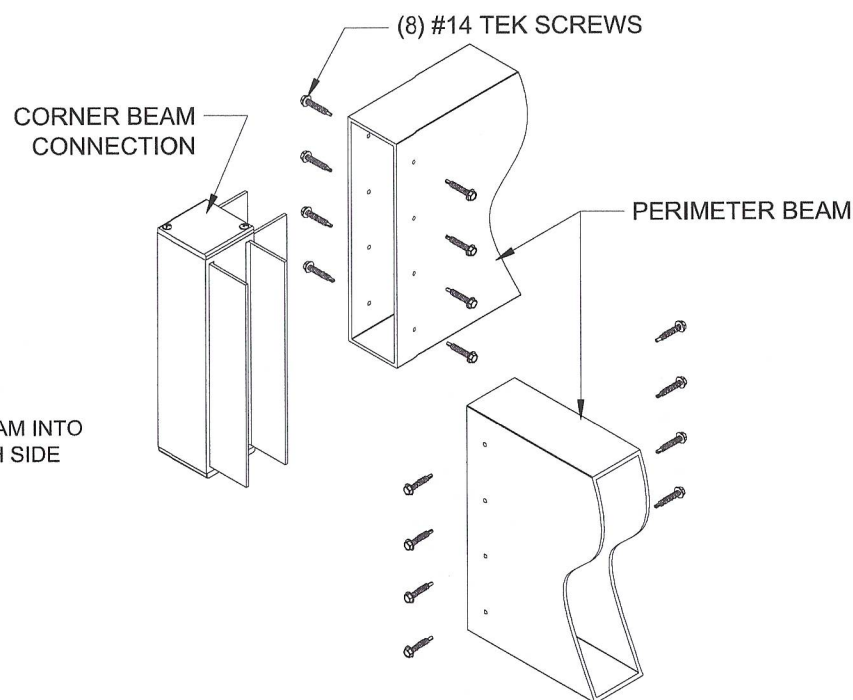
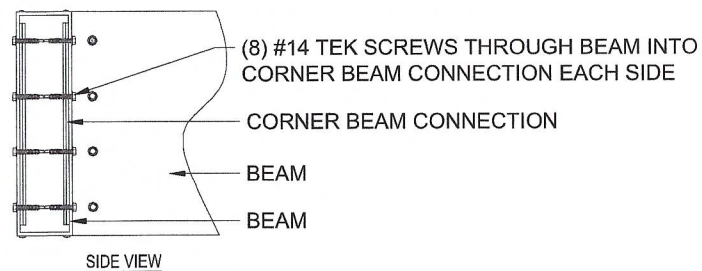
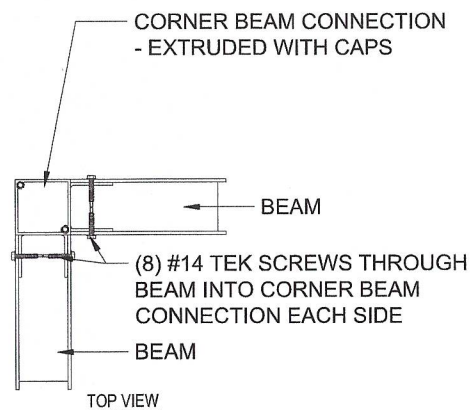
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A 108



TYPICAL CORNER ASSEMBLY

Aluminium Type:
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All Other Components 6063-T6

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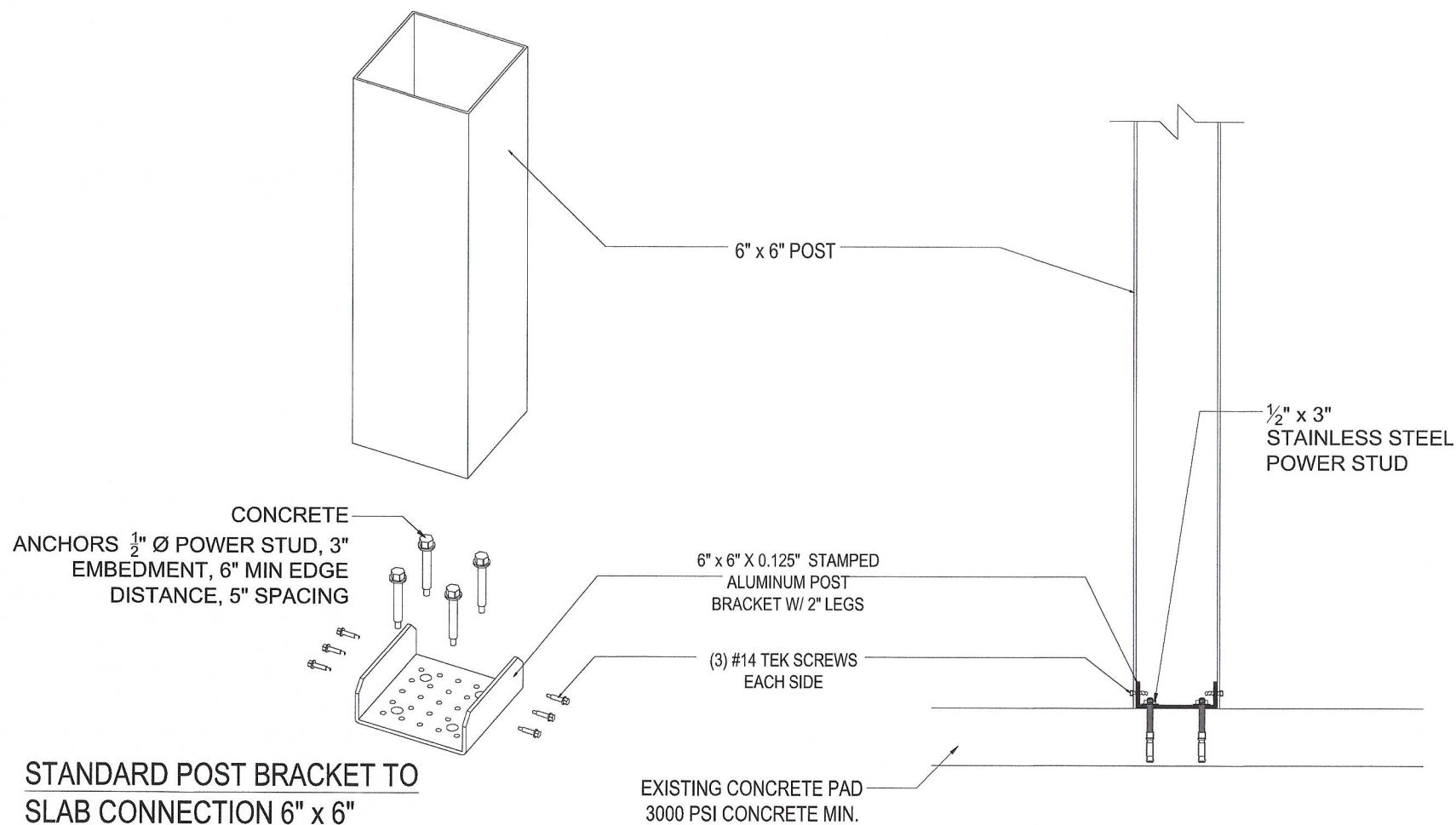
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Aluminium Type:
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All Other Components 6063-T6

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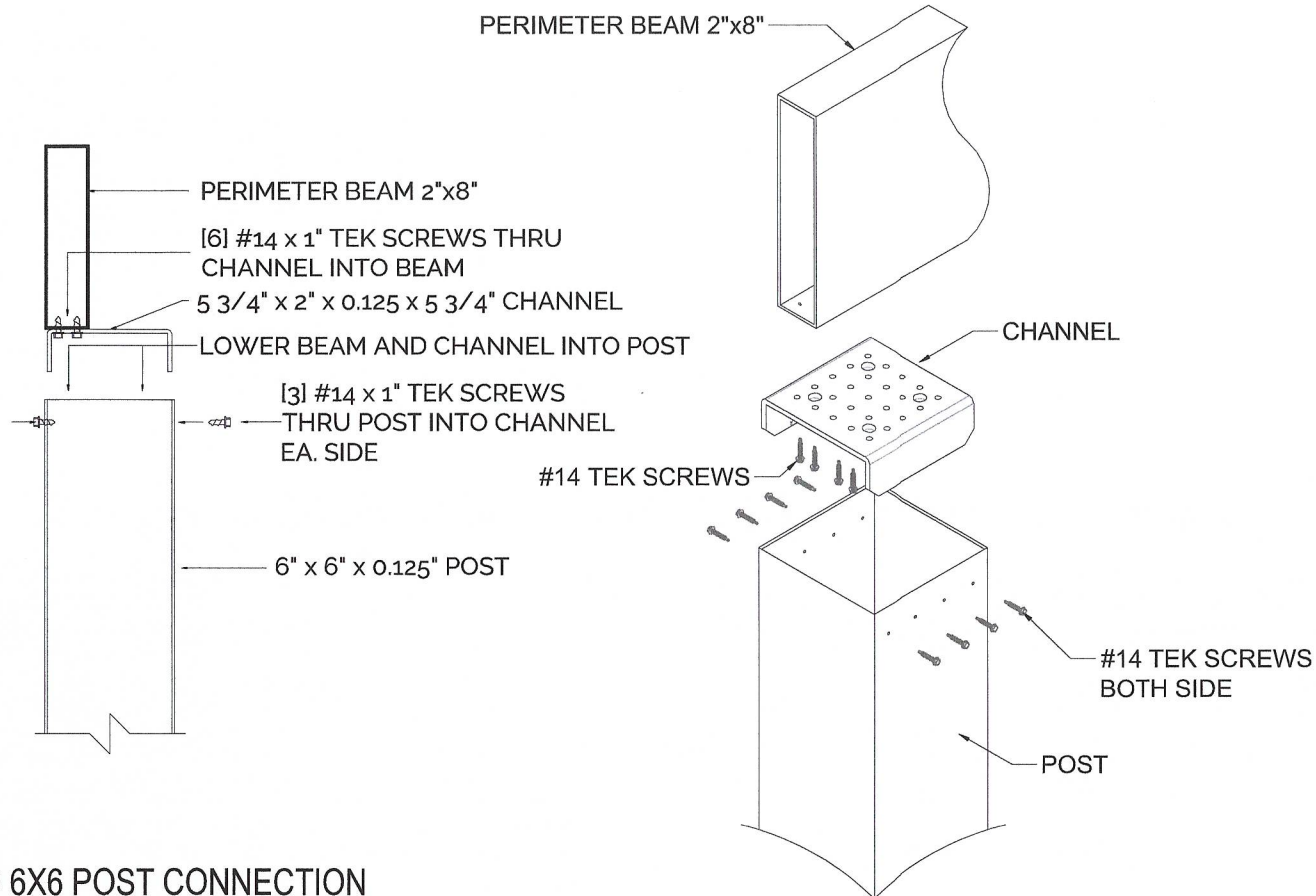
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SHEET NO.

A 111



SINGLE BEAM TO 6X6 POST CONNECTION

Aluminium Type:
Louvers 6063-T5
All Other Components 6063-T6

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N.T.S.

SHEET NO.
A 112

PERIMETER BEAM
2" X 8"

DOUBLE 2" X 1 3/4" X 2" X 0.125" U-CHANNEL INSERT
LENGTH TO FIT SNUG (MIN 4" LONG), ATTACH EA
CHANNEL TO BEAM W/ (4) #14 TEK SCREWS EQ
SPACED

INTERIOR BEAM [2] 2" X 8"

(2) #14 TEK SCREWS
EQ SPACED, BOTH
SIDES OF BEAM

NOTCHED BEAMS
5.5" X 3" CUT

PASS THROUGH GUTTER

TYPICAL DOUBLE BEAM TO
BEAM CONNECTION
2" X 8" BEAMS
5.5" PASS THROUGH GUTTER

Aluminium Type:
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All Other Components 6063-T6

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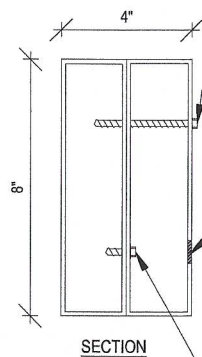
SHEET NO.

A 113

DOUBLE 2X8 BEAM

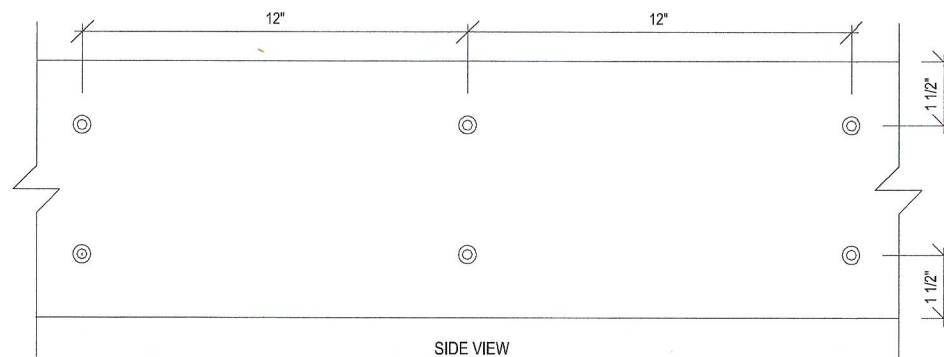
ISOMETRIC VIEW

TYPICAL CONNECTION #14 X 3" TEK SCREWS 12" O.C.



3/4" HOLE DRILLED FOR SCREW INSTALLATION AND CAPPED.

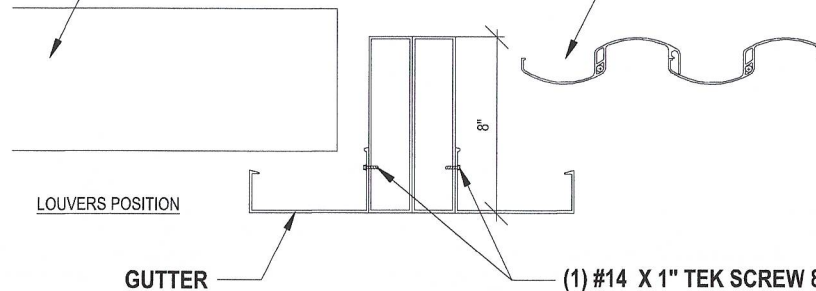
TYPICAL CONNECTION (2) #14 X 1" TEK SCREWS 12" O.C.



SIDE VIEW

STRUXURE LOUVERS SHOWN PERPENDICULAR TO INTERIOR BEAM

STRUXURE LOUVERS SHOWN PARALLEL TO INTERIOR BEAM



LOUVERS POSITION

GUTTER

(1) #14 X 1" TEK SCREW 8" O.C.

DOUBLE BEAM CONNECTION (2X8)

Aluminium Type:
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A 114

HOST STRUCTURE

PERIMETER BEAM

GUTTER

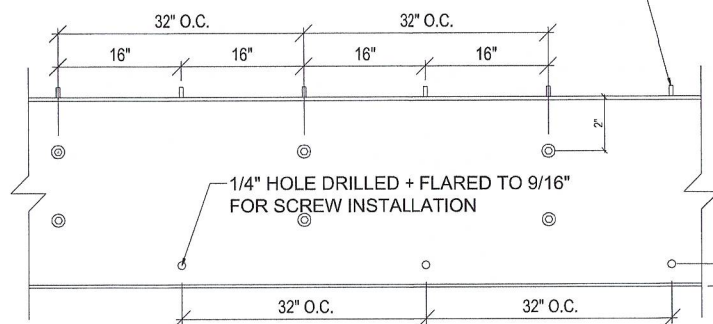
EXISTING BRICK FASCIA
CERTIFIED SEPARATELY FOR
BEARING OF PICKET SLEEVE

1" O.D. SCHED40 S.S.
SLEEVES, LENGTH TO
BE EQUAL TO FACADE
THICKNESS

1/4" HOLE DRILLED
FLARED TO 9/16"
FOR SCREW
INSTALLATION

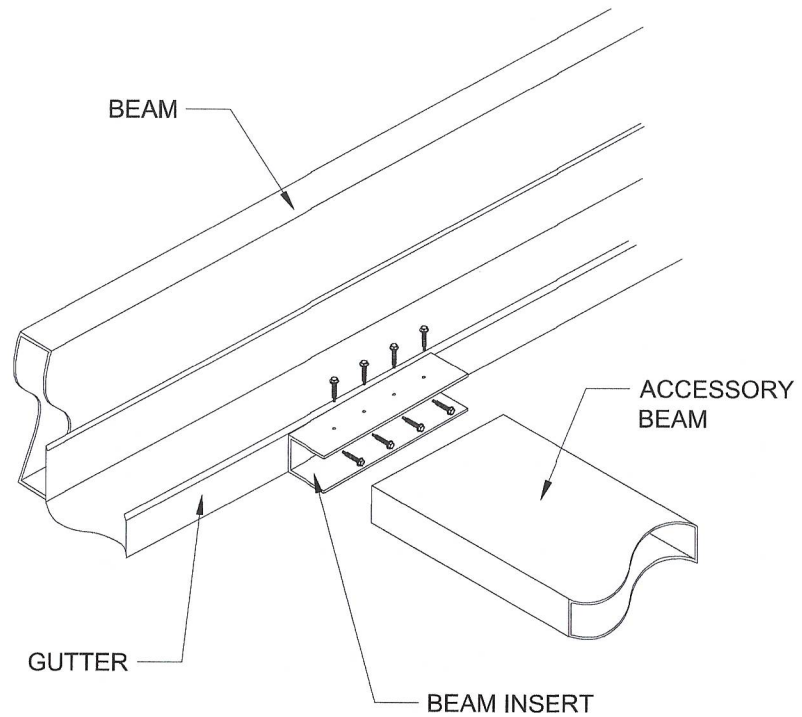
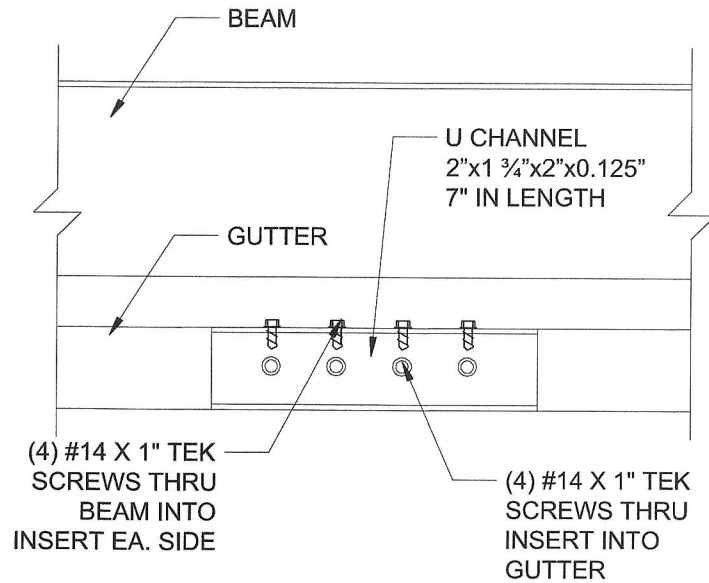
8" LAG BOLTS INTO WALL STUDS
AS SHOWN - USE [2] 1/4" DIAM.
S.S. WOOD LAG SCREWS W/ 3"
THREAD ENGAGEMENT INTO
WOOD HOST AND 3/4" MINIMUM
EDGE DISTANCE, SPACED 16"
O.C. STAGGERED

TYPICAL 16" O.C. STUDS



BEAM TO HOST STRUCTURE CONNECTION

Aluminium Type:
Louvers 6063-T5
All Other Components 6063-T6



FAN BEAM CONNECTION

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Aluminium Type:
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All Other Components 6063-T6

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A 116

SINGLE PERIMETER BEAM
2" x 8"

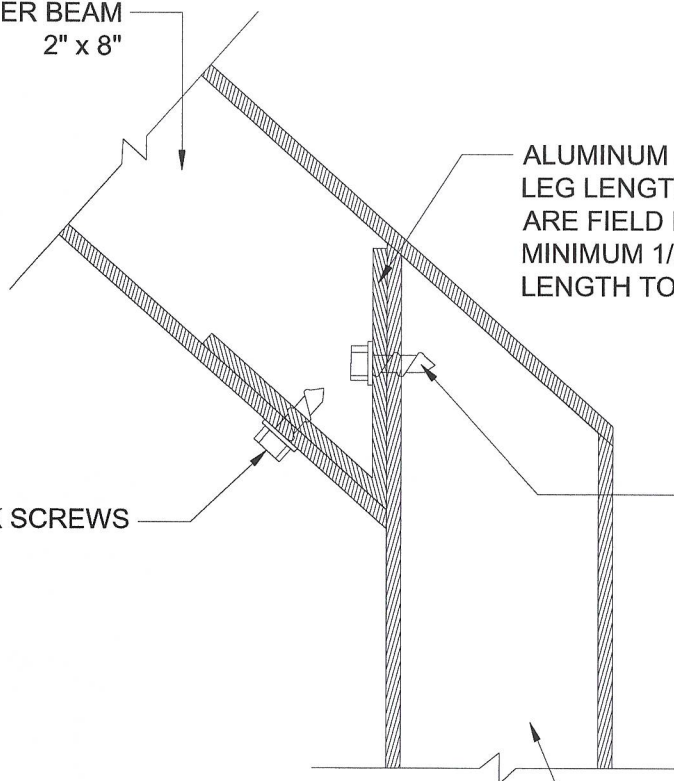
ALUMINUM BEAM INSERT
LEG LENGTH AND THICKNESS
ARE FIELD DETERMINED,
MINIMUM 1/8" THICK, 2" LEGS,
LENGTH TO FIT SNUG

(3) #14 TEK SCREWS

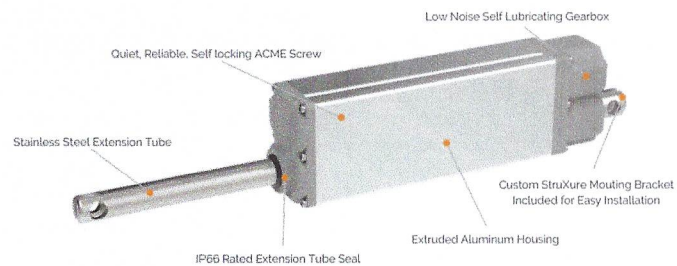
(4) #14 TEK SCREWS

ANGLED BEAM TO BEAM CONNECTION

SINGLE PERIMETER BEAM
2" x 8"



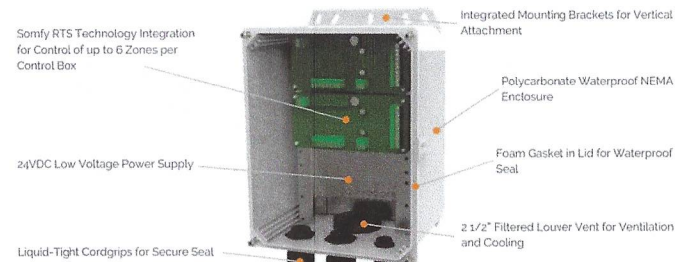
LOUVERED ROOF MOTOR



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]	1875
GENERAL DATA		
Speed, no load	[mm/s]	34
Speed, rated load	[mm/s]	28
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

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

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SHEET NO.

A 118

DATE:

REVISION:

1

2

3

4

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6

7

8

9

10

11

12

NOTES:





