

General Notes

A. CONCRETE & FOUNDATION DESIGN:

1. ALL CONCRETE GRADE BEAMS AND FOOTINGS SHALL BE 3000 PSI MINIMUM.

2. ALL CONCRETE FILLED SUPPORTED SLABS SHALL BE 2500 PSI MINIMUM, 3 1/2" NOMINAL THICKNESS.

3. FIBERMESH (3/4" PER CUBIC YARD MIN.) MEETING APPROPRIATE ACI AND ASTM REQUIREMENTS MAY BE USED IN LIEU OF WELDED WIRE MESH

4. ALL SLABS ON GRADE SHALL BE 4" THICK WITH FIBERMESH.

5. ALL REINFORCING SHALL CONFORM TO ASTM A615, BE GRADE 60 (60 KSI MIN.), DEFORMED BARS, #3 BARS MAY BE GRADE 40

6. ALL OVER POUR CONCRETE FILLED SUPPORTED SLABS SHALL BE 3000 PSI MIN., 2" MINIMUM THICKNESS.

7. SOIL BEARING PRESSURE SHALL BE A MINIMUM OF 1500 PSF.

8. THE CONCRETE SHALL CONFORM TO ASTM C94 FOR THE FOLLOWING:
OPC (PORTLAND CEMENT TYPE I, -ASTM C 150), AGGREGATES - #6 STONE ,ASTM C 33 SIZE NO. 67 LESS THAN 3/4",
AIR ENTRAINING +/- 1% - ASTM C 260,
WATER REDUCING AGENT - ASTM C 494,
CLEAN POTABLE WATER.

9. METAL WELDED WIRE SHALL CONFORM TO ASTM A 185.

10. PREPARE & PLACE CONCRETE ACCORDING TO AMERICAN CONCRETE INSTITUTE MANUAL STANDARD PRACTICE, PART 1, 2, & 3 ALONG WITH HOT WEATHER CONDITIONS RECOMMENDATIONS.

11. IF UTILIZING EXISTING CONCRETE FOR FOUNDATION, CONCRETE SHALL BE A MINIMUM OF 4" IN THICKNESS, VISIBLY FREE OF ANY STRUCTURAL EXCESSIVE CRACKING, SPALLING OR OTHER DETERIORATION.
5. HOT DIPPED GALVANIZED.

6. ALL LAG BOLTS SHALL HAVE A MINIMUM EMBEDMENT OF 8X BOLT DIAMETER INTO STRUCTURAL FRAMING (G=42 MIN.).

7. LAG BOLTS AND SCREWS INTO WOOD FRAMING SHALL BE PROVIDED WITH PILOT HOLES HAVING A DIAMETER NOT GREATER THAN 70 PERCENT OF THE THREAD DIAMETER OF THE BOLT OR SCREW. ALL LAG BOLTS AND SCREWS SHALL BE INSERTED IN PILOT HOLES BY TURNING AND UNDER NO CIRCUMSTANCES BY DRIVING WITH A HAMMER.

8. ALL EXPANSION ANCHORS SHALL BE DESIGNED IN ACCORDANCE WITH THE SPECIFIC MANUFACTURER'S REQUIREMENTS AND ALLOWABLE LOADS AND SHALL ONLY BE APPLIED IN CONDITIONS ACCEPTABLE TO MANUFACTURER. FASTENERS SHALL BE A MINIMUM OF SAE GRADE #5 OR BETTER ZINC PLATED.

9. ALL FASTENERS CONNECTING ALUMINUM COMPONENTS OR PRESSURE TREATED LUMBER ARE STAINLESS STEEL TYPE 300 18-8, UNLESS MANUFACTURER GALVANIZED BOLTS SPECIFIES FOR USE WITH ACQ PRESSURE TREATED WOOD, OR OTHERWISE NOTED ON PLANS.

10. ALL CONNECTORS SHALL COMPLY WITH ASTM A153.

11. FOR SMS, THE MINIMUM CENTER-TO-CENTER SPACING SHALL BE 3/4" AND MINIMUM CENTER-TO-EDGE SHALL BE 1/2" UNLESS NOTED OTHER WISE.

E. REFERENCE STANDARDS:

- ASTM E 119
- ASTM E 1300
- ASCE 7 - 10
- AA ASMS3, AND SPEC. FOR ALUMINUM PART 1-A, & 1-B
- ASTM C94
- ASTM C150
- ASTM C33
- ASTM C260
- ASTM C494
- ASTM A615
- ASTM A185
- FLORIDA BUILDING CODE (CHAPTERS 16, 20 AND 23) 6TH EDITION
- CURRENT ALUMINUM DESIGN MANUAL

F. ABBREVIATIONS:

THE FOLLOWING LIST OF ABBREVIATIONS IS NOT INTENDED TO REPRESENT ALL THOSE USED ON THESE DRAWINGS, BUT TO SUPPLEMENT THE MORE COMMON ABBREVIATIONS.

1. TYP -- TYPICAL
2. SIM -- SIMILAR
3. UON -- UNLESS OTHERWISE NOTED
4. CONT -- CONTINUOUS
5. VIF -- VERIFY IN FIELD

G. RESPONSIBILITY:

1. ALL SITE WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH APPLICABLE BUILDING CODES, LOCAL ORDINANCES ETC.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS, NOTIFYING ENGINEER OF ANY DISCREPANCIES BETWEEN DRAWINGS, FABRICATED ITEMS, OR ACTUAL FIELD CONDITIONS.
3. THESE DRAWINGS REPRESENT THE ACCEPTABILITY OF THE "SUNROOM" ROOM ADDITION ELEMENTS AS PROVIDED BY THE CONTRACTOR.
4. ALL DETAILS ON THESE DRAWINGS ARE ENGINEERED BASED ON INFORMATION PROVIDED BY THE CONTRACTOR AND MANUFACTURER.
5. ANY DETAILS NOT SHOWN ARE TO BE ENGINEERED BY A LICENSED P.E. IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICES.

H. MISCELLANEOUS:

1. ALUMINUM ADDITIONS ARE NOT TO BE INSTALLED ON A MANUFACTURED HOME, TRAILER HOME, OR PRE-FAB HOME. IF THE EXISTING STRUCTURE IS ONE OF THESE, A SEPARATE 4TH WALL SUPPORT SYSTEM MUST BE ENGINEERED SO THAT NO ADDITIONAL LOADING IS PLACED ON THE MANUFACTURED HOME.
2. IF ENCLOSURE CONTAINS A SWIMMING POOL, OR SPA, THE ENCLOSURE SHALL COMPLY WITH RESIDENTIAL SWIMMING BARRIER REQUIREMENTS OF THE FBC 6TH EDITION R 4501.17.1 IN ITS ENTIRETY.
3. EMERGENCY ESCAPE & RESCUE OPENING PER FBC R310.1 SHALL BE VERIFIED BY CONTRACTOR & BUILDING OFFICIAL.

4. DOOR LOCATIONS MAY BE DETERMINED IN THE FIELD BY CONTRACTOR.
5. IF PAVERS ARE UNDER ALUMINUM MEMBERS THEY SHALL HAVE EPOXY ADHESIVE TO CONCRETE OR IF USING GROUT, ENSURE BONDING AGENT IS USED FIRST.
6. SCREENING MATERIAL SHALL BE 18X14X0.013 OR EQUIVALENT DENSITY SCREEN MESH ONLY UNLESS NOTED ON DRAWING S-2.
7. 1"x2"x.045 NON-STRUCTURAL MEMBERS SHALL BE ATTACHED TO HOST WITH 1/4" DIAMETER X 1-3/4" EMBEDMENT & 24" O.C. MASONRY SCREW FOR CONCRETE & EQUIVALENT SIZE WOOD SCREW WHEN IN WOOD & #10 X 1/2" EMBEDMENT SMS OR TEK SCREWS IN ALUMINUM MEMBERS TYPICAL.

DESIGN DATA:

1. ULTIMATE DESIGN WIND SPEED Vult, (3 SECOND GUST):
NOMINAL DESIGN WIND SPEED Vastd: 130 MPH
110 MPH
2. RISK CATEGORY : 1
3. WIND EXPOSURE : B
4. WIND LOADS:
SCREEN ROOF: 6 PSF
SCREEN WALLS: 23 PSF
SOLID ROOF (MVFRS): N/A
5. FACTOR APPLIED TO SCREEN WIND LOADS FOR 18X14X0.013 OR EQUIVALENT DENSITY SCREEN MESH: 0.88
6. FACTOR APPLIED TO SCREEN WIND LOADS FOR ALLOWABLE STRESS DESIGN: 0.6
7. LIVE LOAD:
300 lb. VERTICAL DOWNLOAD ON PRIMARY SCREEN ENCLOSURE MEMBERS.
200 lb. VERTICAL DOWNLOAD ON SCREEN ENCLOSURE PURLINS.
8. EXISTING CONCRETE SLAB AND OR FOOTER, 2500 PSI MIN. CONCRETE W/ 6"x6"-#10WWM OR 3000 PSI FIBERMESH OVER 6" 1/4" POLYFILM W/ EDGES LAPPED 6" & TAPED, OVER CLEAN COMPACTED SOIL.
SHALL BE ADEQUATE TO RESIST THE UPLADS FOR THE PROPOSED STRUCTURE.
9. SCREEN ROOF TYPE: GABLE
10. SOLID ROOF TYPE: N/A

ALUMINUM STRUCTURAL MEMBERS

HOLLOW SECTIONS

- 2 x 2:-----2" x 2" x 0.046"
- 3 x 2:-----3" x 2" x 0.050"
- 2 x 3:-----2" x 3" x 0.050"
- 2 x 3:-----2" x 3" x 0.070"
- 2 x 4:-----2" x 4" x 0.050"
- 2 x 5:-----2" x 5" x 0.050"

OPEN BACK SECTIONS

- 1 x 2:-----1" x 2" x 0.040"
- 1 x 3:-----1" x 3" x 0.045"

SNAP SECTIONS

- 2 x 2 Snap:-----2" x 2" x 0.045"
- 2 x 3 Snap:-----2" x 3" x 0.050"
- 2 x 4 Snap:-----2" x 4" x 0.045"

SELF MATING (SMB)

- 2 x 4 SMB:-----2" x 4" x 0.044" x 0.100"
- 2 x 5 SMB:-----2" x 5" x 0.050" x 0.118"
- 2 x 6 SMB:-----2" x 6" x 0.050" x 0.120"
- 2 x 7 SMB:-----2" x 7" x 0.057" x 0.120"
- 2 x 8 SMB:-----2" x 8" x 0.072" x 0.224"
- 2 x 9 SMB:-----2" x 9" x 0.072" x 0.224"
- 2 x 10 SMB:-----2" x 10" x 0.092" x 0.374"

I HEREBY CERTIFY THAT I HAVE REVIEWED THIS PLAN AND FOUND IT TO BE IN COMPLIANCE WITH ASCE 7-10, & FBC 6TH EDITION



PROFESSIONAL ENGINEER

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C.O.A. - #29054

DATE:

DRAWN BY: ERB

REVISION:

DATE:

RO 1

RO 2

RO 3

PROJECT ADDRESS:

MCLEAN

1136 SW SEMINOLE TERRACE

LAKE CITY, FL. 32024

CONTRACTOR:

LAKESIDE ALUMINUM

NOTES

S-1

I HEREBY CERTIFY THAT I HAVE REVIEWED
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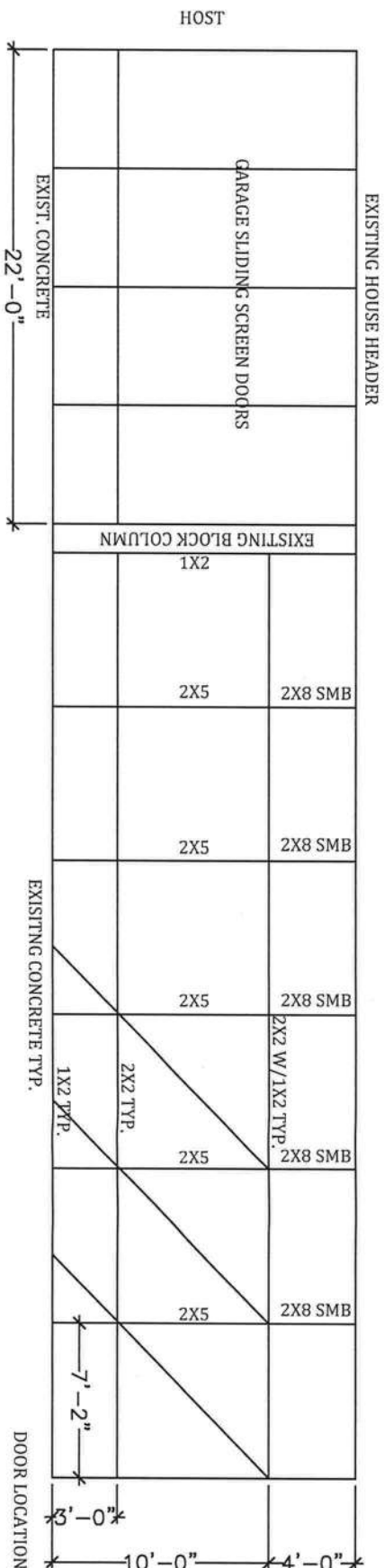
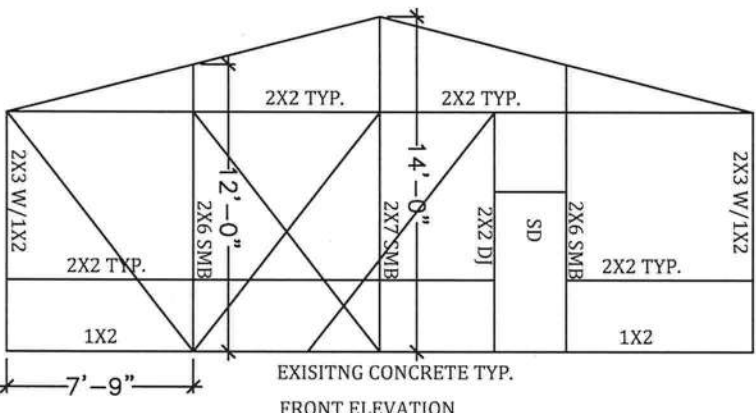
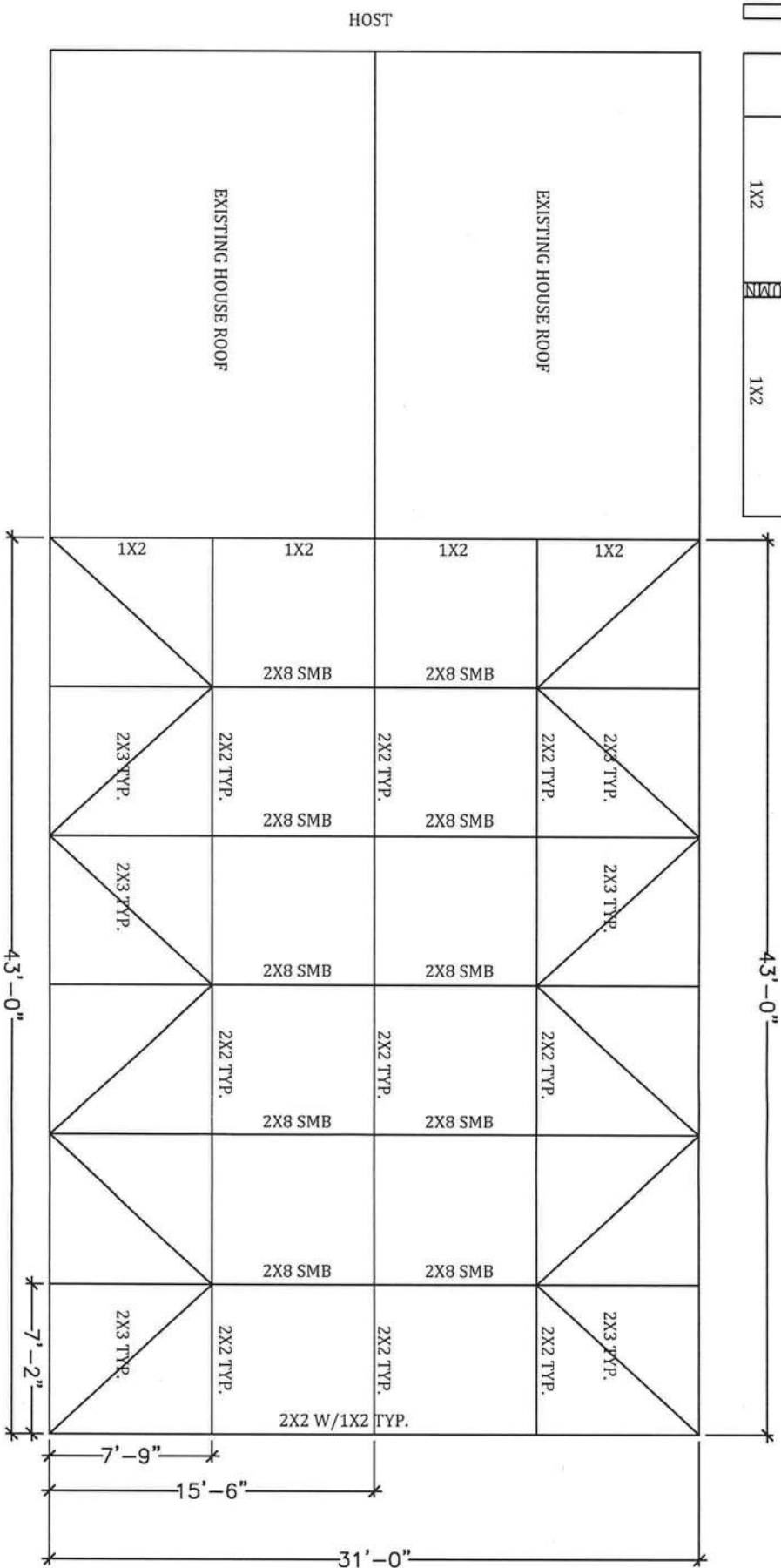
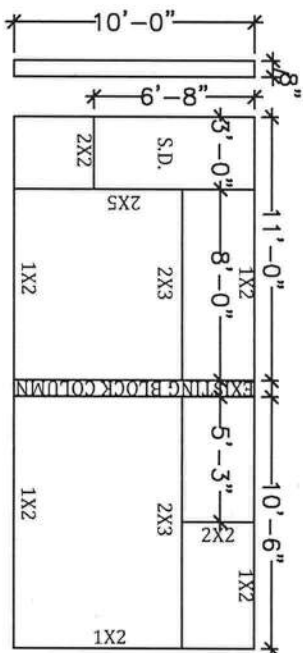
LAKE CITY, FL. 32024

CONTRACTOR:

LAKEIDE ALUMINUM

NOTES

S-2



LEFT ELEVATION (RIGHT ELEVATION MIRROR)

DOOR LOCATIONS TO BE DETERMINED IN THE FIELD

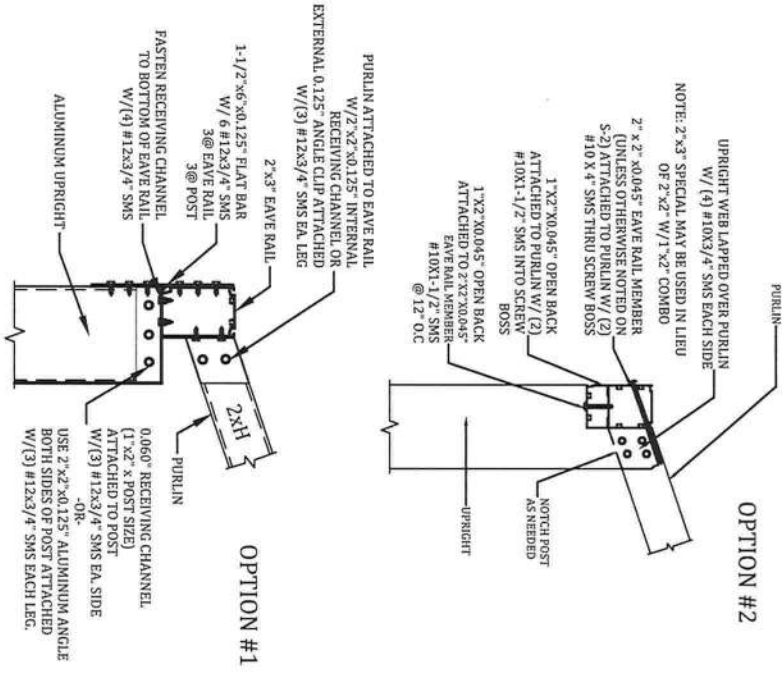
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THOMAS L. HANSON
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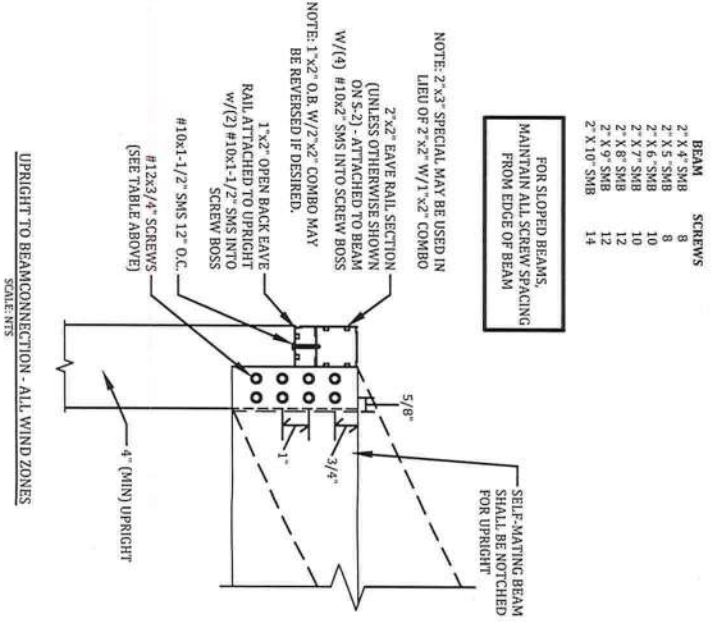
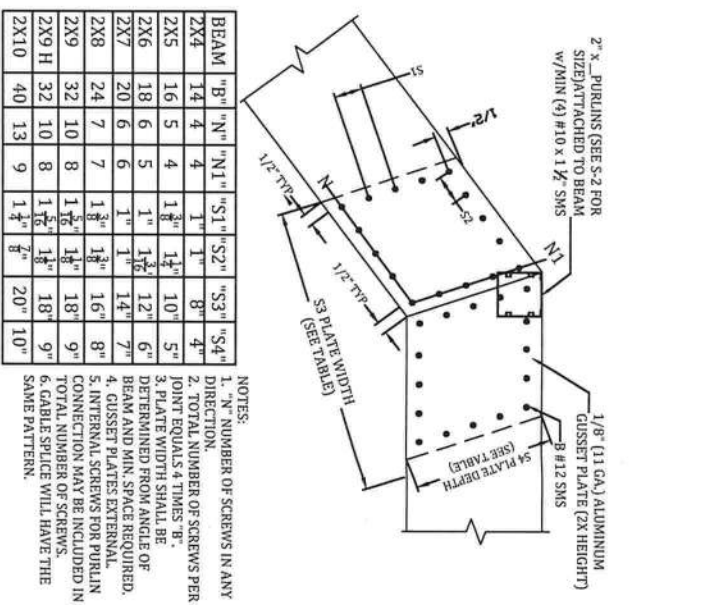
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CONTRACTOR:
LAKEVIEW ALUMINUM

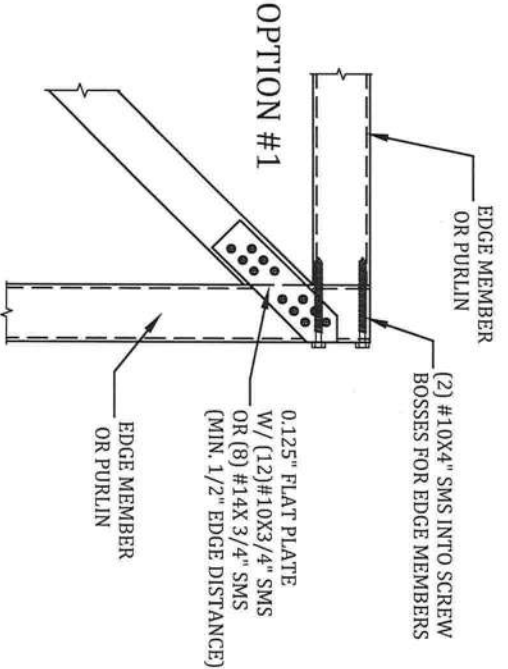
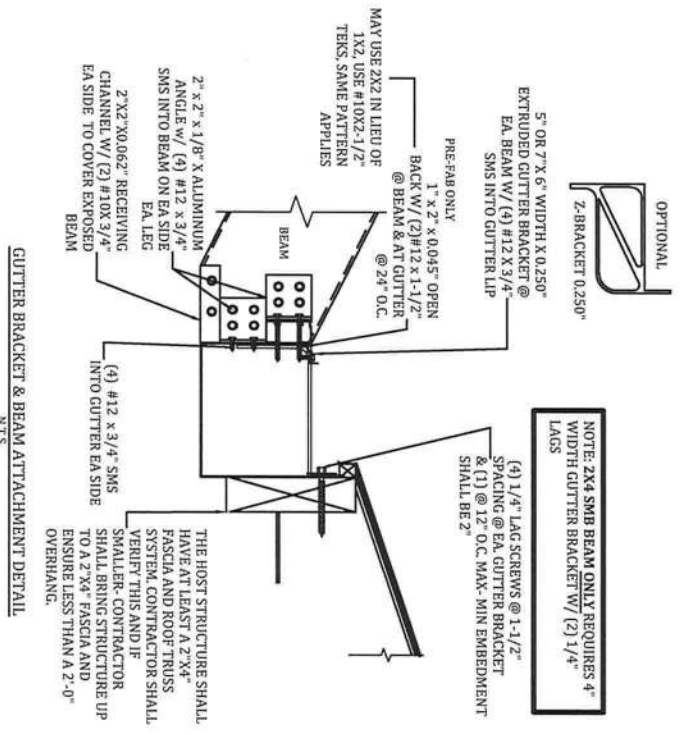
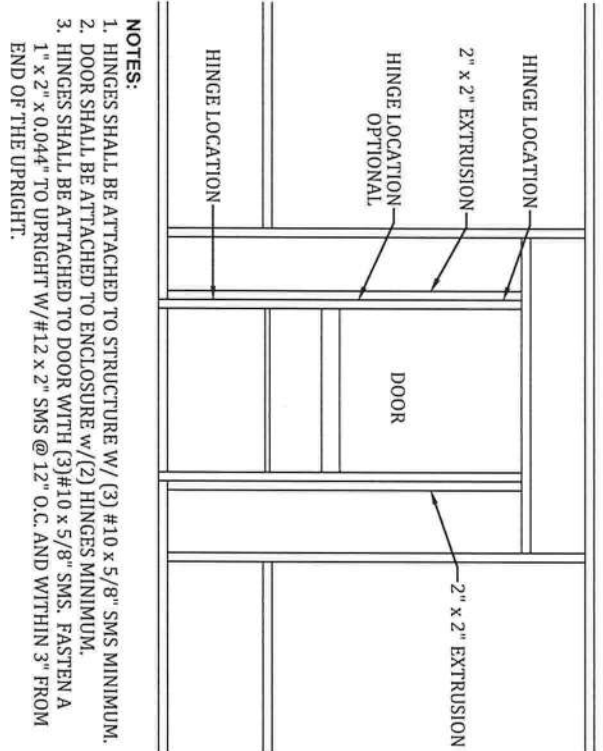
NOTES
S-3



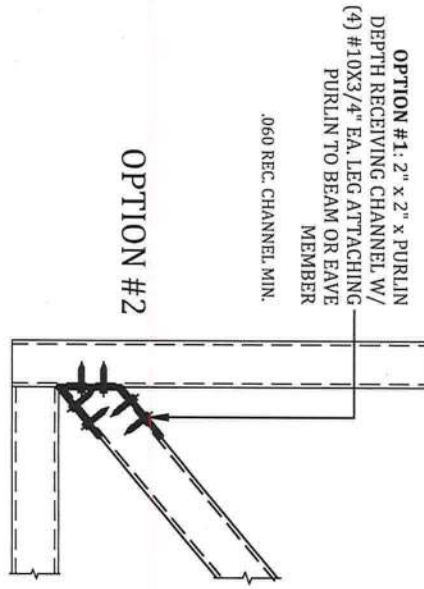
SLOPED OR FLAT PURLIN UPRIGHT LAP DETAIL
SCALE: NTS



TYPICAL SCREEN DOOR CONNECTION DETAIL
SCALE: NTS



BOTH ENDS SIMILAR



ROOF BRACING CONNECTION DETAIL
SCALE: NTS

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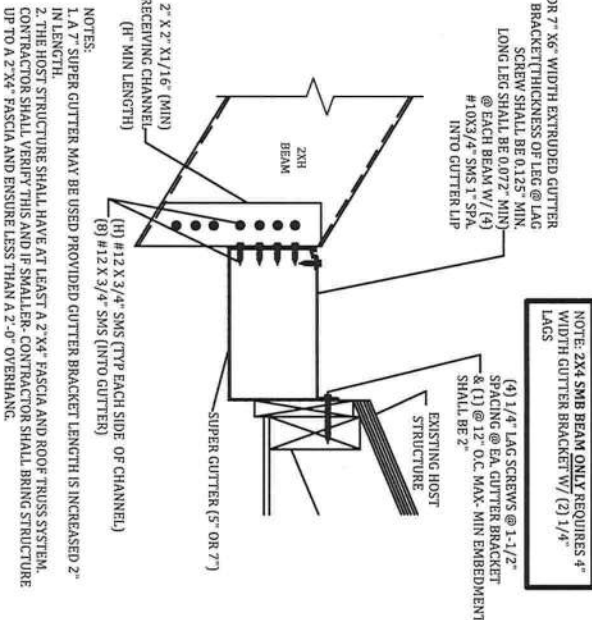
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CONTRACTOR:
LAKE SIDE ALUMINUM

NOTES

S-4



GUTTER BRACKET & BEAM ATTACHMENT DETAIL
SCALE: NTS

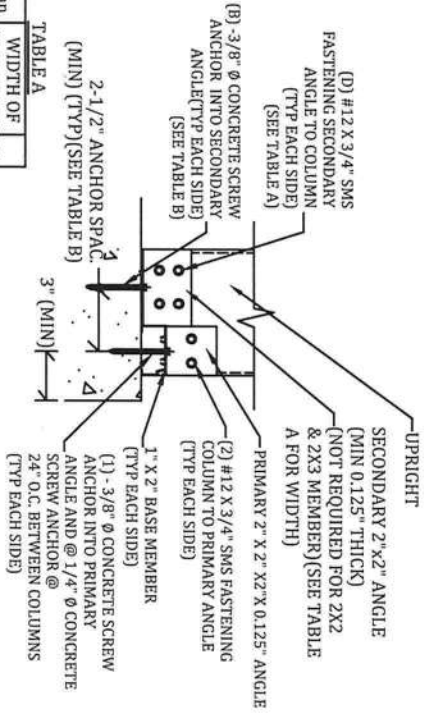
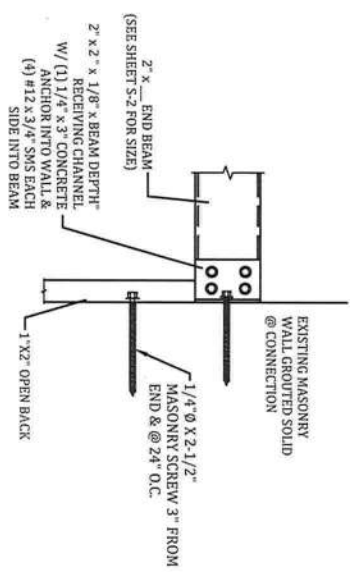
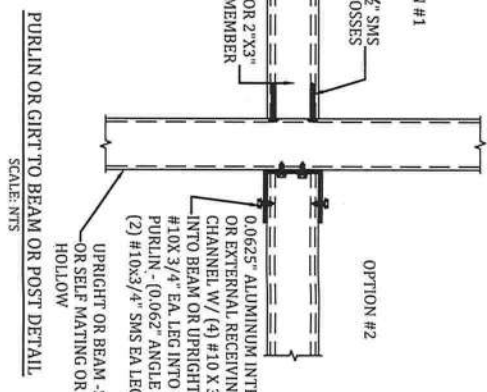
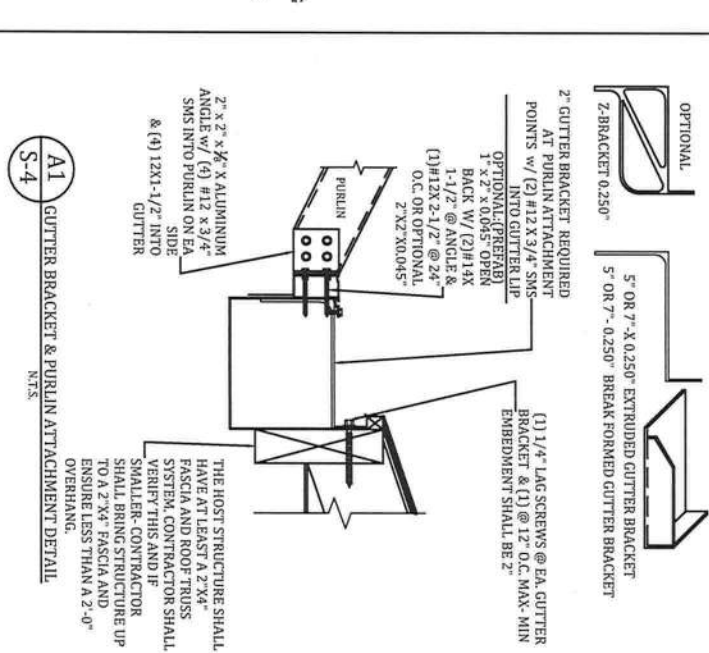


TABLE A

Column Size	WIDTH OF SECONDARY 2" X 2" ANGLE
2x2	NONE
2x3	NONE
2x4	2"
2x5	3"
2x6	4"
2x7	5"
2x8	6"
2x9	7"
2x10	8"

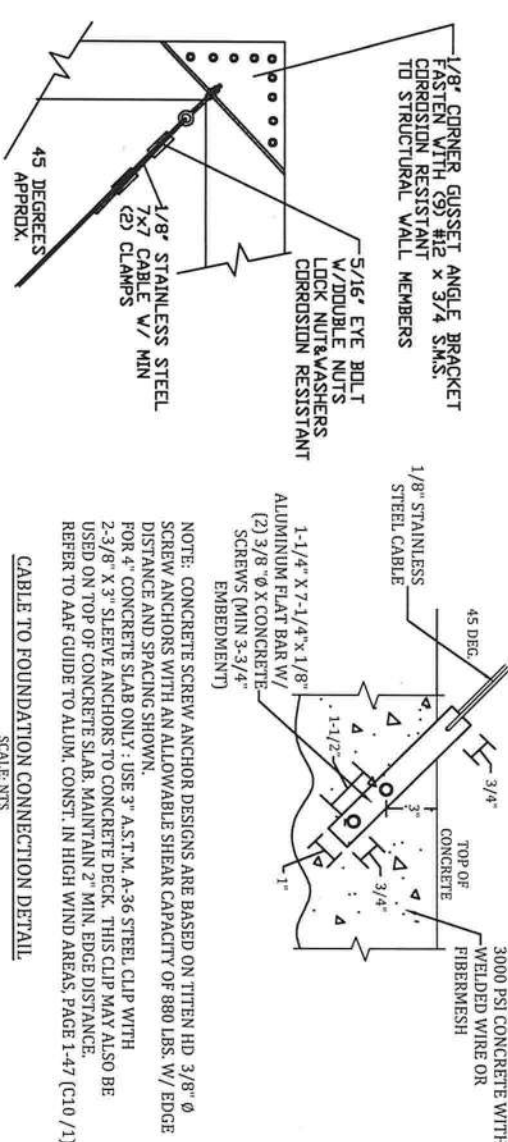
TABLE B

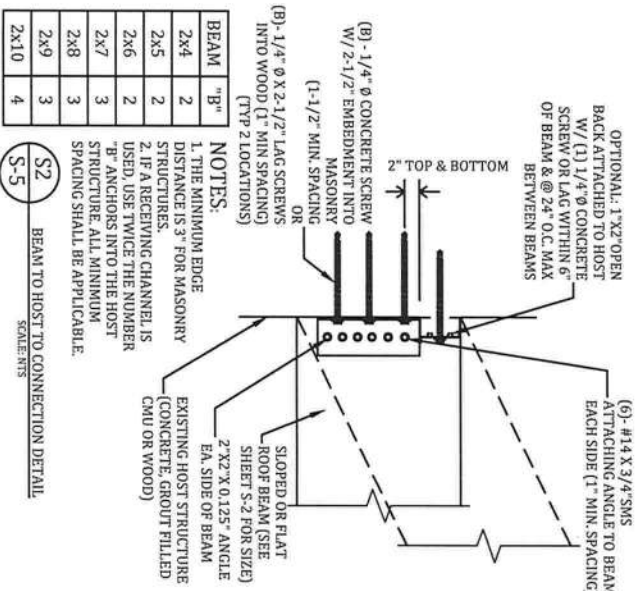
Column Size	1/4" Ø Concrete Screw Anchor	Column Size	3/8" Ø Concrete Screw Anchor
2x2	0"	2x5	1"
2x3	0"	2x6	1"
2x4	1	2x7	1
	2-1/2"	2x8	2
		2x9	2
		2x10	4.5"

NOTES:
1. NUMBER OF ANCHORS "B" IS EACH SIDE INTO THE SECONDARY ANGLE AND DOES NOT INCLUDE THE ANCHOR INTO THE 1X2.
2. MINIMUM EMBEDMENT OF ANCHORS INTO CONCRETE FOOTING SHALL BE 2-3/4" AT ALL UPRIGHT LOCATIONS. ALL SCREW LENGTHS FOR REQUIRED CONNECTIONS SHALL BE OF SUFFICIENT LENGTH FOR REQUIRED EMBEDMENT INTO CONCRETE FOOTING WHEN A PAVR DECK IS PRESENT.
3. CONCRETE SCREW ANCHOR DESIGNS ARE BASED ON FASTENERS APPROVED ON THE S-1 NOTES PAGE.
4. 2X3W/1X2 CORNER POST SHALL REQUIRE SAME BASE CONNECTIONS AS 2X4 SHOWN IN TABLE.

2" X 2" OR LARGER UPRIGHT TO CONCRETE W/ TWO PAVR DETAILS
SCALE: NTS

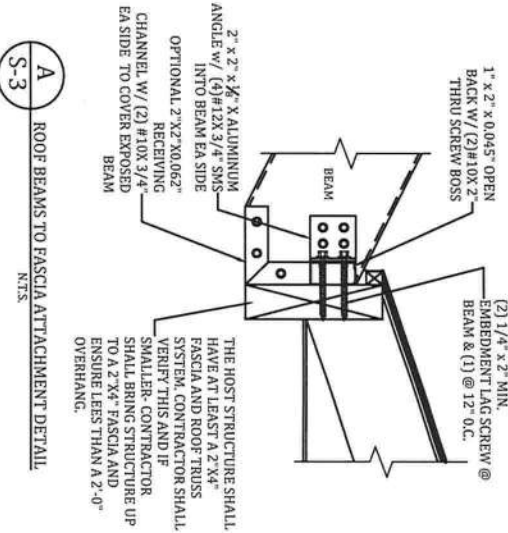
CONNECTION MAY BE USED FOR TOP AND BOTTOM WHEN APPLICABLE



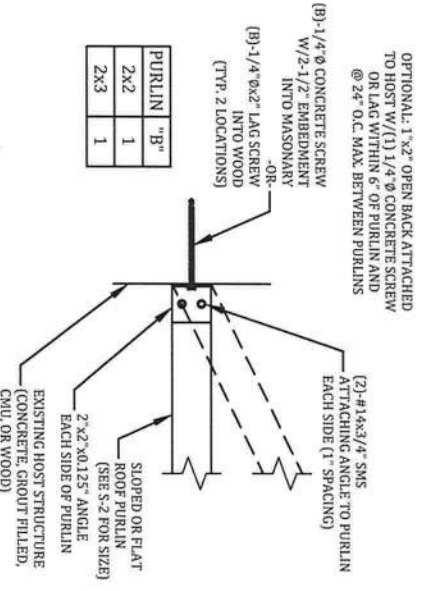


BEAM	"B"	NOTES:
2x4	2	1. THE MINIMUM EDGE DISTANCE IS 3" FOR MASONRY STRUCTURES.
2x5	2	2. IF A RECEIVING CHANNEL IS USED, USE TWICE THE NUMBER "B" ANCHORS INTO THE HOST STRUCTURE. ALL MINIMUM SPACING SHALL BE APPLICABLE.
2x6	2	
2x7	3	
2x8	3	
2x9	3	
2x10	4	

S-5 BEAM TO HOST TO CONNECTION DETAIL
SCALE: NTS



A ROOF BEAMS TO FASCIA ATTACHMENT DETAIL
NTS



A1 PURLINS TO FASCIA ATTACHMENT DETAIL
NTS

PURLIN TO HOST TO CONNECTION DETAIL
SCALE: NTS

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NOTES

S-5