General Notes A. CONCRETE & FOUNDATION DESIGN:

2. PSI MINIMUM.

ALL CONCRETE FILLED SUPPORTED SLABS SHALL BE 2500 PSI MINIMUM, 3 1/2" NOMINAL THICKNESS.
FIBERMESH (3/4" PER CUBIC YARD MIN.) MEETING ALL CONCRETE GRADE BEAMS AND FOOTINGS SHALL BE 3000

APPROPRIATE ACI AND ASTM REQUIREMENTS MAY BE USED

4. 2. 6.

IN LIEU OF WELDED WIRE MESH
ALL SLABS ON GRADE SHALL BE 4" THICK WITH FIBERMESH.
ALL REINFORCING SHALL CONFORM TO ASTM A615, BE GRADE
60 (60 KSI MIN.) DEFORMED BARS, #3 BARS MAY BE GRADE 40
ALL OVER POUR CONCRETE FILLED SUPPORTED SLABS SHALL
BE 3000 PSI MIN., 2" MINIMUM. THICKNESS.

SOIL BEARING PRESSURE SHALL BE A MINIMUM OF 1500 PSF. THE CONCRETE SHALL CONFORM TO ASTM C94 FOR THE OPC (PORTLAND CEMENT TYPE 1,- ASTM C 150). AGGREGATES - #6 STONE , ASTM C 33 SIZE NO. 67 LESS THAN FOLLOWING:

OTHER ADMIXTURES SHALL NOT BE PERMITTED. CLEAN POTABLE WATER AIR ENTRAINING +/- 1% - ASTM C 260.
WATER REDUCING AGENT - ASTM C 494.

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.

B. MASONRY:

2.ALL MORTAR SHALL BE OF TYPE M OR S. I. CONCRETE MASONRY UNITS (CMU) SHALL BE STANDARD HOLLOW UNITS AND SHALL BE 1900 PSI MINIMUM BASED ON TYPE M OR S MORTAR.

3.ALL GROUT SHALL BE 2000 PSI MINIMUM AND HAVE 4.PROVIDE CLEAN-OUTS FOR REINFORCED CELLS CONTAINING REINFORCEMENT WHEN GROUT POUR EXCEEDS 5'-0" IN MAXIMUM COARSE AGGREGATE SIZE OF 3/8"

1. ALL STRUCTURA

ALL STRUCTURAL ALUMINUM SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF 6005-T5 FOR ALLOY WITH A MINIMUM THICKNESS OF 0.040" FOR SUPPORTING MEMBERS. WHERE KICK PLATES ARE USED A MINIMUM THICKNESS OF 0.024" SHALL APPLY.

3. STRUCTURAL ALUMINUM DESIGN CONFORMS TO "PART 1-A - SPECIFICATIONS FOR ALUMINUM STRUCTURES - ALLOWABLE STRESS DESIGN" OR "PART 1-B - SPECIFICATIONS FOR PREPARED BY THE ALUMINUM ASSOCIATION, INC.WASHINGTON D.C. THE FLORIDA BUILDING CODE 7TH ELOTION (CHAPTER 16 STRUCTURAL DESIGN & CHAPTER 20 ALUMINUM STRUCTURES - BUILDING LOAD AND RESISTANCE FACTOR DESIGN" OF THE ALUMINUM DESIGN MANUAL

4. WHERE ALUMINUM COMES INTO CONTACT WITH STEEL, OR PRESSURE TREATED LUMBER PROVIDE DIELECTRIC ALUMINUM)

6. SEPARATION.
ALUMINUM MEMBERS SHALL BE STITCHED WITH NO LESS THAN #10 SMS 6" FROM THE ENDS AND 12" ON CENTER, IF

USING #12 SPACING MAY BE 24" ON CENTER.
VINYL AND ACRYLIC PANELS SHALL BE REMOVABLE. THEY
SHALL BE IDENTIFIED WITH A DECAL ESSENTIALLY STATING
"REMOVABLE PANEL SHALL BE REMOVED WHEN WIND
SPEEDS EXCEED 75 MPH". DECAL SHALL BE PLACED SO IT IS
VISIBLE WHEN PANEL IS INSTALLED.
1"X2"X0.045" NON-STRUCTURAL MEMBERS SHALL BE

7 ATTACHED TO HOST WITH 1/4"Ø X 1-3/4" EMBEDMENT & 24" O.C. MASONRY SCREW FOR CONCRETE & EQUIVALENT SIZE WOOD SCREW WHEN IN WOOD & #10X 1/2" EMBEDMENT SMS OR TEK SCREWS IN ALUMINUM MEMBERS TYPICAL.

D. FASTENERS:

WITH ACQ PRESSURE TREATED WOOD MANUFACTURER GALVANIZES BOLTS SPECIFIES FOR USE 300 18-8, WITH STANDARD FLAT WASHER UNLESS ALL LAG BOLTS SHALL CONFORM TO STAINLESS STEEL TYPE

- HEX BOLTS HAS TO BE ASTM A 325, PLATED WITH STANDARD FLAT WASHERS AND NUTS.
- EQUAL.
 ALL METAL TIES AND ASSOCIATED ACCESSORIES SHALL BE ALL CONCRETE SCREWS SHALL BE, SIMPSON, HILTI, RAWL, TAPCON, REDHEAD, DYNABOLT, PORTECT OR APPROVED

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

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
GRANDE #5 OR BETTER TINC BY ATEN.

GRADE #5 OR BETTER ZINC PLATED.

8. 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.
ALL FASTENERS SHALL COMPLY WITH ASTM A153.
ALL CONNECTORS SHALL COMPLY WITH ASTM A653

SCREEN WALLS: SOLID ROOF (SCREEN WALL):

CLASS G-185.

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

H REFERENCE STANDARDS:

ASTM E 119
ASTM E 1300
CURRENT ASCE 7
CURRENT ALUMINUM DESIGN MANUAL-AA ASM35, AND SPEC.

FOR ALUMINUM PART 1-A, & 1-B ASTM C94 ASTM C150 ASTM C33 ASTM C260 ASTM C494

ASTM A615 ASTM A185 BUILDING CODE 7TH EDITION (CHAPTERS 16, 20 & 23).

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.

TYP - TYPICAL

2. SIM.— SIMILAR
3. UON.— UNLESS OTHERWISE NOTED
4. CONT.— CONTINUOUS
5. VIF.— VERIFY IN FIELD

2 x 2: 2 x 3: 2 x 4: 2 x 5: 3 x 3:

9 RESPONSIBILITY:

CODES, LOCAL ORDINANCES, ETC.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS, NOTIFYING ENGINEER OF ANY DISCREPANCIES BETWEEN DRAWINGS, FABRICATED ITEMS, OR ACTUAL FIELD ALL SITE WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH APPLICABLE BUILDING

CONDITIONS.

3. THESE DRAWINGS REPRESENT THE ACCEPTABILITY OF THE SUNROOM ROOM ADDITION ELEMENTS AS PROVIDED BY THE

ALL DETAILS ON THESE DRAWINGS ARE ENGINEERED BASED ON INFORMATION PROVIDED BY THE CONTRACTOR AND MANUFACTURER.
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

IF ENCLOSURE CONTAINS A SWIMMING POOL OR SPA, THE ENCLOSURE SHALL COMPLY WITH RESIDENTIAL SWIMMING BARRIER REQUIREMENTS OF THE FBC 7TH EDITION R 4501.17 IN

ACCENSE OF

3. DOOR LOCATIONS MAY BE DETERMINED IN THE FIELD BY

CONTRACTOR.

4. IF PAVERS ARE UNDER ALUMINUM MEMBERS THEY SHALL HAVE EPOXY ADHESIVE TO CONCRETE OR IF USING GROUT. ENSURE BONDING AGENT IS USED FIRST AND ADHERED WITH MINIMUM 3000 PSI GROUT.

SCREENING MATERIAL SHALL BE 18X14X0.013 OR EQUIVALENT DENSITY SCREEN MESH ONLY UNLESS NOTED

ON DRAWING S-2.



DH	DESIGN DATA:	
:	ULTIMATE DESIGN WIND SPEED Vult, (3 SECOND GUST):	GUST): 130 MPH
	NOMINAL DESIGN WIND SPEED Vasd:	101 MPH
12	RISK CATEGORY:	-
رى ·	WIND EXPOSURE:	В
4.	WIND LOADS:	
	SCREEN ROOF:	6 PSF
	SCREEN WALLS:	23 PSF
	SOLID ROOF (SCREEN WALL):	N/A

LIVE LOAD:

300 Ib. VERTICAL DOWNLOAD ON PRIMARY SCREEN ENCLOSURE MEMBERS.
200 Ib. VERTICAL DOWNLOAD ON SCREEN ENCLOSURE PURLINS.
10 PSF VERTICAL DOWNLOAD ON SOLID ROOF.
EXISTING SLAB AND FOOTING (MIN. 8"X8" FOOTING 4" SLAB) MEETS THE
REQUIREMENTS TO RESIST THE UPLOADS FOR THE PROPOSED STRUCTURE.
SCREEN KOOF TYPE: HIPPED GABLE

.8

7. 5

9. SOLID ROOF TYPE: N/A

ALUMINUM STRUCTURAL MEMBERS | INDEX:

HOLLOW SECTIONS	OM STRUCTORAL MEMBERS
S-1 GENERAL NOTES S-2 DRAWING S-3 DETAILS S-4 DETAILS S-5 DETAILS S-6 DETAILS	

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	2 x 8 SMB:
2" x 7" x 0.057" x 0.120"	2 x 7 SMB:
2" x 6" x 0.050" x 0.120'	2 x 6 SMB:
2" x 5" x 0.050" x 0.118"	2 x 5 SMB:
2" x 4" x 0.044" x 0.100"	2 x 4 SMB:

TUBE SECTIONS

"x 2" x 0.090"

2 x 2:



PROFESSIONAL ENGINEER SEAL VGINEER OF RECOPTION OF THE CONTRACTION OF

FLORIDA LICENSE: 86663 Myron Max Neal P.E. FLORIDA LICENSE: 38654 FLORIDA LICENSE: 53608 Erik Stuart P.E. FLORIDA LICENSE: 70667 Thomas L. Hanson P.E oel Falardeau P.E.

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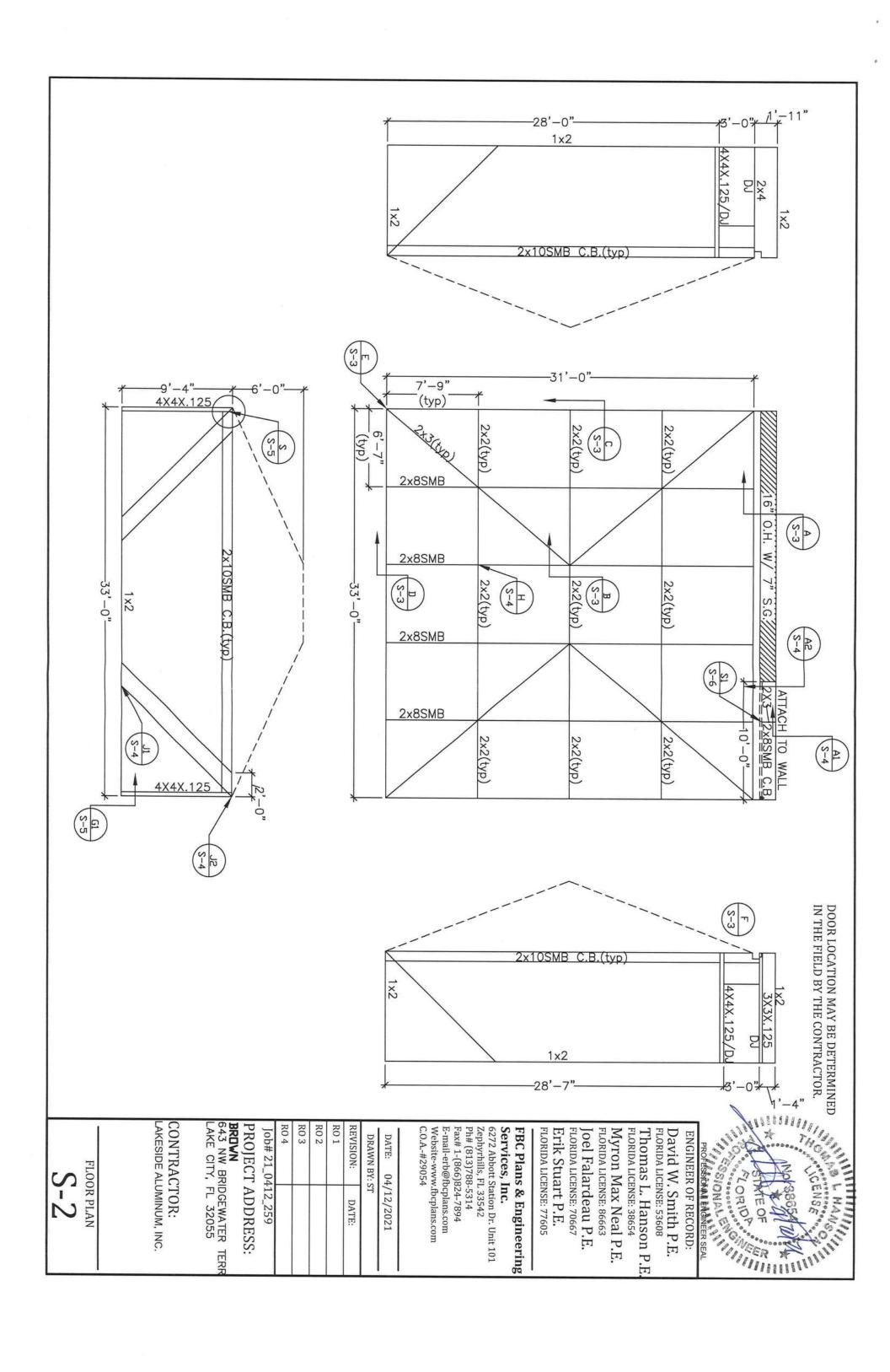
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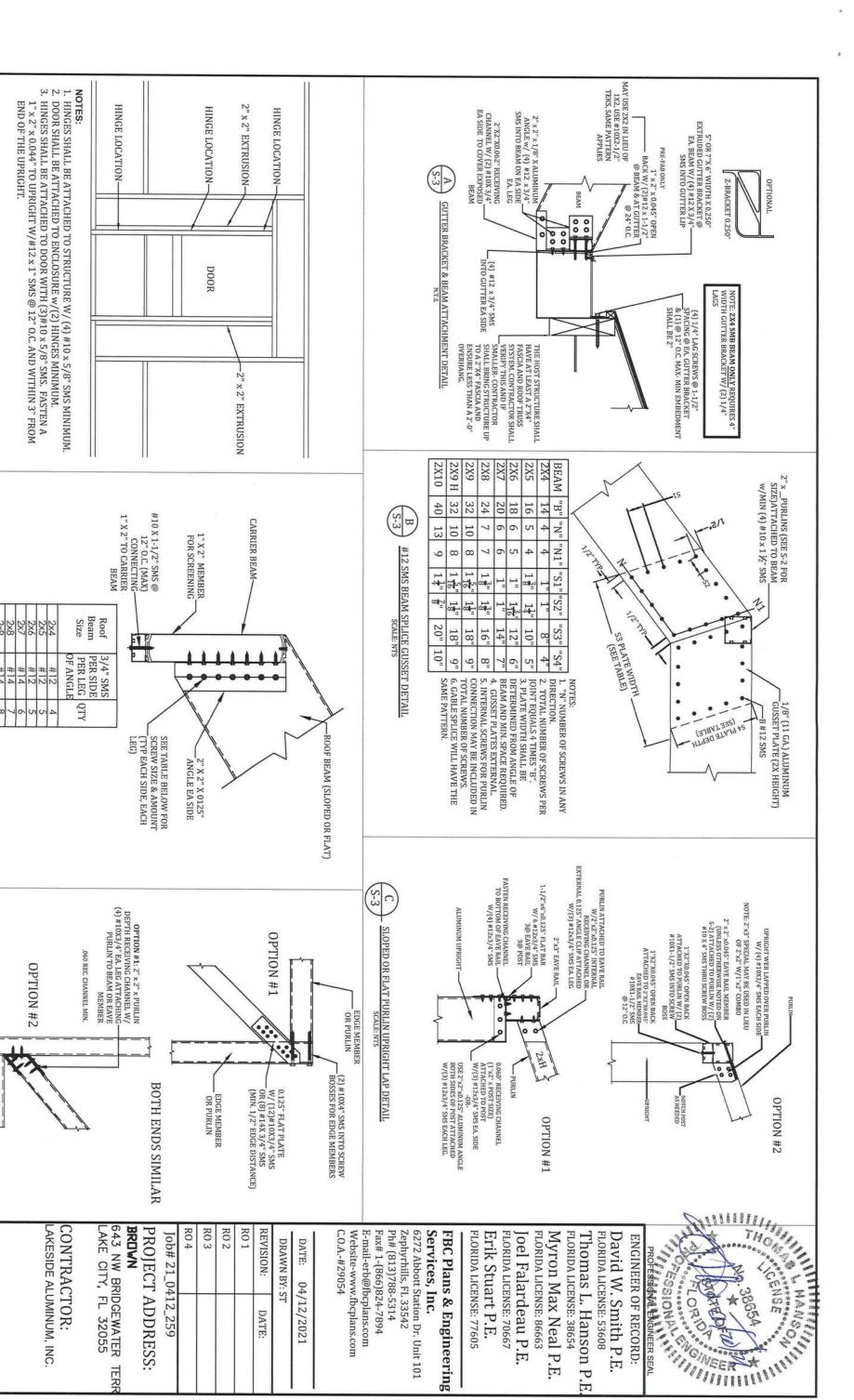
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				DATE:	ST	04/12/2021		.fbcplans.com	cplans.com	24-7894	-5314	

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TYPICAL SCREEN DOOR CONNECTION DETAIL
SCALE: NTS

S-3

BEAM TO CARRIER BEAM CONNECTION DETAIL

ROOF BRACING CONNECTION DETAIL SCALE: N.T.S.

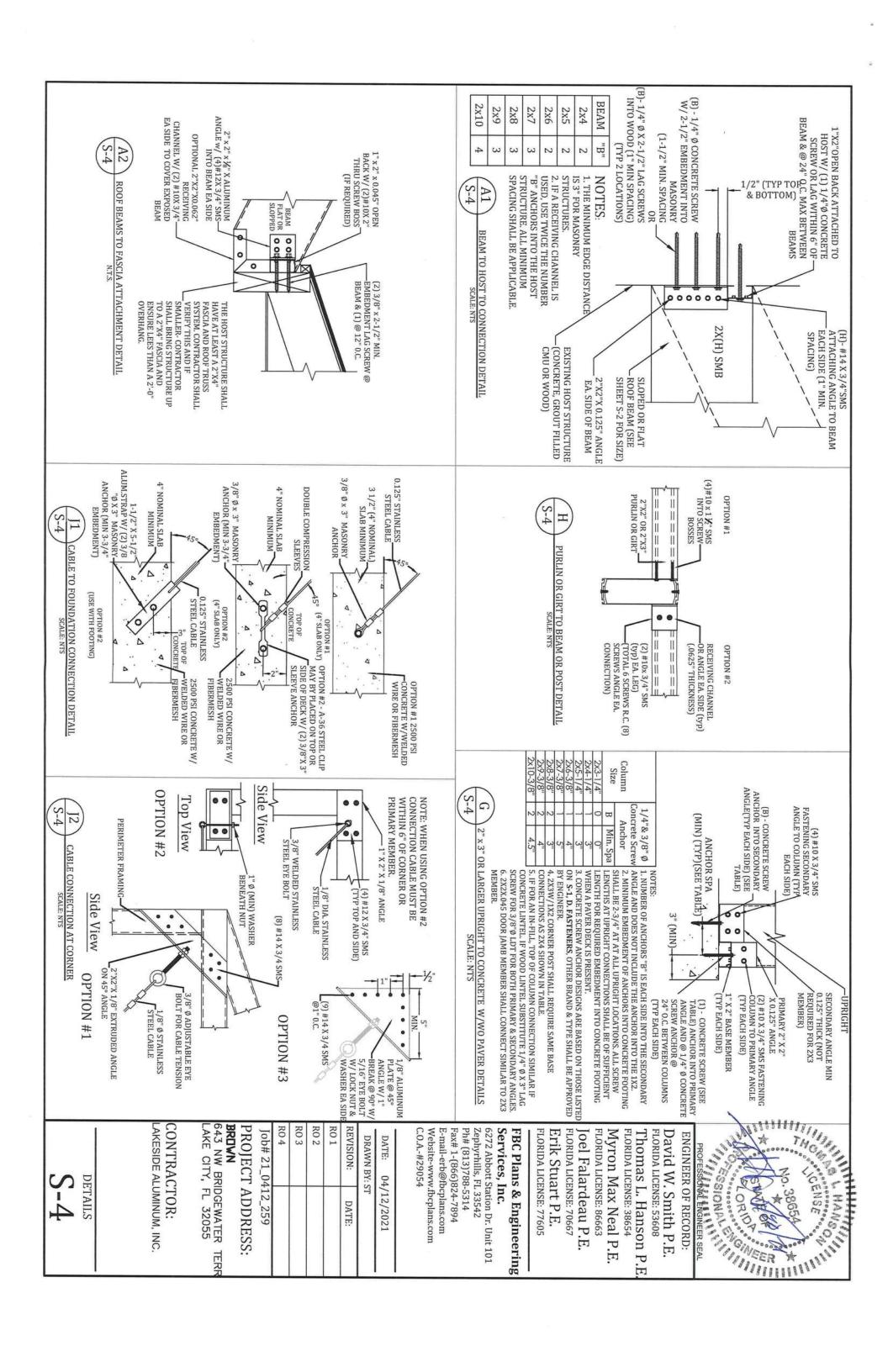
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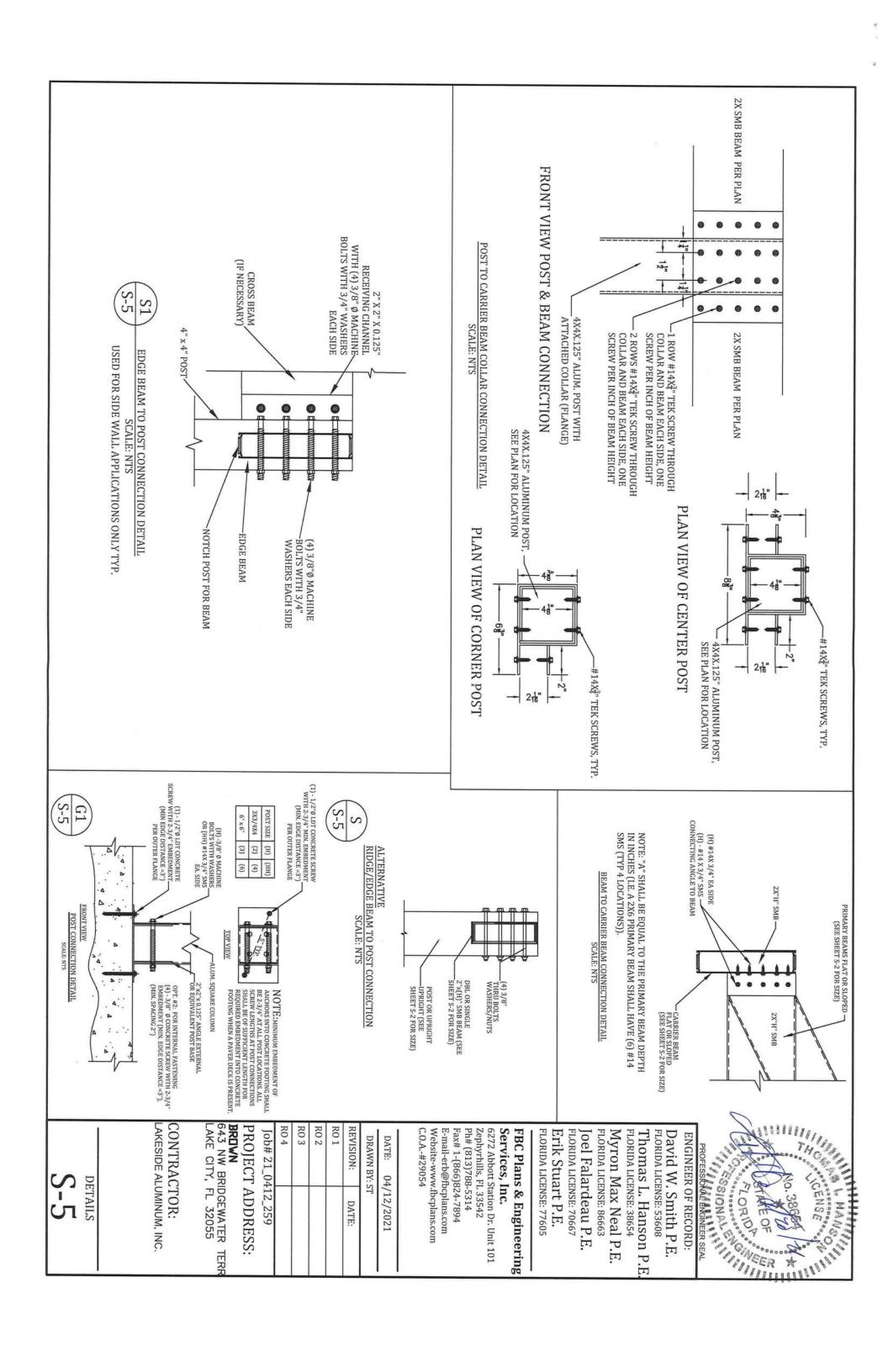
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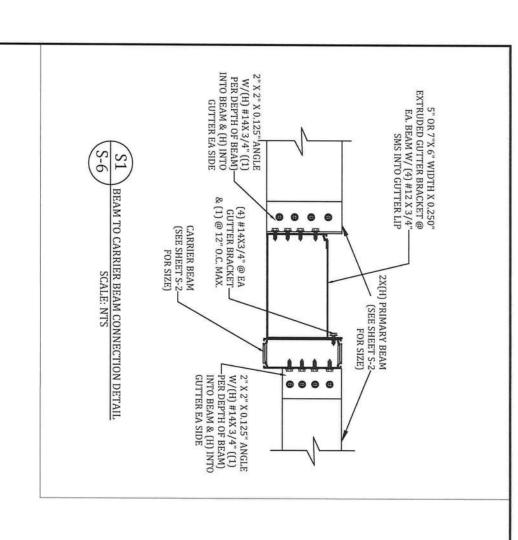
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04/12/2021

DATE:







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PROJECT ADDRESS: Job# 21_0412_259

643 NW BRIDGEWATER TERR LAKE CITY, FL 32055 BROWN

CONTRACTOR: AKESIDE ALUMINUM, INC.

DETAILS