GENERAL NOTES SECTIONS

A. CONCRETE & FOUNDATION DESIGN:

1: ALL CONCRETE AND FOUNDATIONS ATTACHED TO THE HOST STRUCTURE SHALL HAVE A PRE

INSPECTION.

2. ALL CONCRETE GRADE BEAMS AND FOOTINGS SHALL

BE 3000 PSI MINIMUM.

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

4. FIBERMESH (3/4" PER CUBIC YARD MIN.) MEETING
APPROPRIATE ACI AND ASTM REQUIREMENTS MAY BE
USED IN LIEU OF WELLDED WIRE MESH ALL SLABS ON GRADE SHALL BE A MINIMUM OF 4" THICK WITH FIBERMESH ALL REINFORCING SHALL CONFORM TO ASTM A615,

ALL OVER POUR CONCRETE FILLED SUPPORTED SLABS SHALL BE 3000 PSI MIN., 2" MINIMUM. THICKNESS. BE GRADE 60 (60 KSI MIN.) DEFORMED BARS, #3 BARS

S

6.

THE CONCRETE SHALL CONFORM TO ASTM C94 FOR THE FOLLOWING: OPC (PORTLAND CEMENT TYPE 1,- ASTM C 150).
AGGREGATES - #6 STONE , ASTM C 33 SIZE NO. 67

SOIL BEARING PRESSURE SHALL BE A MINIMUM OF

LESS THAN 3/4".
AIR ENTRAINING +/- 1% - ASTM C 260.
WATER REDUCING AGENT - ASTM C 494. CLEAN POTABLE WATER.

11. PREPARE & PLACE CONCRETE ACCORDING TO 10. METAL WELDED WIRE SHALL CONFORM TO ASTM A AMERICAN CONCRETE INSTITUTE MANUAL

8

OTHER ADMIXTURES SHALL NOT BE PERMITTED.

 If UTILIZING EXISTING CONCRETE FOR FOUNDATION, CONCRETE SHALL BE A MINIMUM OF 4" IN THICKNESS, STANDARD PRACTICE, PART 1, 2, & 3 ALONG WITH HOT WEATHER CONDITIONS RECOMMENDATIONS. CRACKING, SPALLING OR OTHER DETERIORATION. VISIBLY FREE OF ANY STRUCTURAL EXCESSIVE

B. MASONRY:

1. CONCRETE MASONRY UNITS (CMU) SHALL BE STANDARD HOLLOW UNITS AND SHALL BE 2000 PSI MINIMUM BASED ON TYPE M OR S MORTAR.

2. ALL MORTAR SHALL BE 2000 PSI MINIMUM AND HAVE MAXIMUM COARSE AGGREGATE SIZE OF 3/8".

4. PROVIDE CLEAN-OUTS FOR REINFORCED CELLS CONTAINING REINFORCEMENT WHEN GROUT POUR 9.

11. FOR SMS, THE MINIMUM CENTER-TO-CENTER ALL FASTENERS SHALL COMPLY WITH ASTM A153.

CENTER-TO-EDGE SHALL BE 1/2" UNLESS NOTED SPACING SHALL BE 3/4" AND MINIMUM

E. REFERENCE STANDARDS: (CURRENT EDITIONS OF)
ASTM E 119

ASTM E 1300

THE FLORIDA BUILDING CODE 8TH EDITION ASTM A185 [CHAPTERS 16, 20 & 23).

STRUCTURAL ALUMINUM DESIGN CONFORMS TO "PART 1-A - SPECIFICATIONS FOR ALUMINUM STRUCTURES - ALLOWABLE STRESS DESIGN" OR

SUPPORTING MEMBERS.
WHERE KICK PLATES ARE USED A MINIMUM THICKNESS OF 0.024" SHALL APPLY.

ALL STRUCTURAL ALUMINUM SHALL CONFORM TO

ALLOY WITH A MINIMUM THICKNESS OF 0.040" FOR

EXCEEDS 5'-0" IN HEIGHT.

"PART 1-B - SPECIFICATIONS FOR ALUMINUM STRUCTURES - BUILDING LOAD AND RESISTANCE FACTOR DESIGN" OF THE ALUMINUM DESIGN MANUAL INTENDED TO REPRESENT ALL THOSE USED ON THESE DRAWINGS, BUT TO SUPPLEMENT THE MORE COMMON ABBREVIATIONS.

5.4.3.2.1 CONT -- CONTINUOUS VIF -- VERIFY IN FIELD

UON -- UNLESS OTHERWISE NOTED

12 ETC.
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND
DETAILS, NOTIFYING ENGINEER OF ANY
DETAILS, PETIMFEN DRAWINGS, FABRICATED

1"X2"X0.045" NON-STRUCTURAL MEMBERS SHALL BE CONCRETE & EQUIVALENT SIZE WOOD SCREW WHEN ATTACHED TO HOST WITH 1/4"Ø X 1-3/4" EMBEDMENT & 24" O.C. MASONRY SCREW FOR SCREWS IN ALUMINUM MEMBERS TYPICAL. IN WOOD & #10X 1/2" EMBEDMENT SMS OR TEK

5

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

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

8

APPROVED EQUAL.

ALL METAL TIES AND ASSOCIATED ACCESSORIES SHALL BE HOT DIPPED GALVANIZED.

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

BY DRIVING WITH A HAMMER. HOLES BY TURNING AND UNDER NO CIRCUMSTANCES 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 LAG BOLTS AND SCREWS INTO WOOD FRAMING SHALL BE PROVIDED WITH PILOT HOLES HAVING A

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

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 CONNECTORS SHALL COMPLY WITH ASTM A653

ALUMINUM DESIGN MANUAL-AA ASM35, AND SPEC. FOR ALUMINUM PART 1-A, & 1-B ASTM C94 ASTM C150 ASTM C33 ASTM C260 ASTM C260 ASTM C494 ASTM A615

F. ABBREVIATIONS: THE FOLLOWING LIST OF ABBREVIATIONS IS NOT

G. RESPONSIBILITY:

1. ALL SITE WORK SHALL BE PERFORMED BY A
LICENSED CONTRACTOR IN ACCORDANCE WITH
APPLICABLE BUILDING CODES, LOCAL ORDINANCES,

CENTER.
VINYL AND ACRYLIC PANELS SHALL BE REMOVABLE.
THEY SHALL BE IDENTIFIED WITH A DECAL

BE REMOVED WHEN WIND SPEEDS EXCEED 75 MPH"

DECAL SHALL BE PLACED SO IT IS VISIBLE WHEN ESSENTIALLY STATING "REMOVABLE PANEL SHALL 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

WHERE ALUMINUM COMES INTO CONTACT WITH STEEL, OR PRESSURE TREATED LUMBER PROVIDE

20 ALUMINUM).

N (CHAPTER 16 STRUCTURAL DESIGN &

INC, WASHINGTON D.C. THE FL

PREPARED BY THE ALUMINUM ASSOCIATION

ITEMS, OR ACTUAL FIELD CONDITIONS.
THESE DRAWINGS REPRESENT THE ACCEPTABILITY DISCREPANCIES BETWEEN DRAWINGS, FABRICATED

OF THE 'SUNROOM' ROOM ADDITION ELEMENTS AS

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

WHEN ATTACHING TO FASCIA, THE HOST STRUCTURE TRUSS SYSTEM. CONTRACTOR SHALL VERIFY THIS AND IF SMALLER, CONTRACTOR SHALL BRING SHALL HAVE AT LEAST A 2"X4" FASCIA AND ROOF

AND END USE BY THE CLIENT/CONTRACTOR.
CONTRACTOR TO VERIFY FEMA FLOOD ZONE OF THE
PROPOSED STRUCTURE LOCATION TO ENSURE
STRUCTURE IS NOT WITHIN SPECIAL FLOOD HAZARD

H. MISCELLANEOUS:

1. ALUMINUM ADDITIONS ARE NOT TO BE INSTALLED ON A MANUFACTURED HOME, TRAILER HOME, OR PRE-FAB HOME. IF THE EXISTING STRUCT JRE 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 FLORIDA BUILDING CODE 8TH EDITION RESIDENTIAL

R 4501.17 IN ITS ENTIRETY

DOOR LOCATIONS MAY BE DETERMINED IN THE FIELD BY CONTRACTOR

w

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

EQUIVALENT DENSITY SCREEN MESH ONLY UNLESS NOTED ON DRAWING S-2. SCREENING MATERIAL SHALL BE 18X14X0.013 OR ALL STRUCTURAL POST SHALL BE ANCHORED TO AN

TORNADO CODE NOT APPLICABLE TO RISK CATEGORY 1
AND RISK CATEGORY 2 STRUCTURES
1.1. ASCE/SEI STANDARD 7-22, FIGS. 32.5-1, 32.5-2, AND

G.2-1 THROUGH -4

STRUCTURE UP TO A 2"X4" FASCIA AND ENSURE LESS BY A LICENSED P.E. IN ACCORDANCE WITH STANDARD

QUALITY OF THE CONSTRUCTION, AND IS NOT RESPONSIBLE FOR THE INTERPRETATION OF DESIGNS

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UPLIFT PURPOSES. EXISTING/PROPOSED CONCRETE FOUNDALION FOR

WIND EXPOSURE: WIND LOADS: RISK CATEGORY:

SCREEN WALLS (WINDWARD): SCREEN WALLS (LEEWARD): SOLID ROOF: SCREEN ROOF:

LIVE LOAD: FACTOR APPLIED TO SCREEN WIND LOADS FOR ALLOWABLE FACTOR APPLIED TO SCREEN WIND LOADS FOR 18X14X0.013 STRESS DESIGN: OR EQUIVALENT DENSITY SCREEN MESH:

300 lb. VERTICAL DOWNLOAD ON PRIMARY SCREEN ENCLOSURE MEMBERS. 200 lb. VERTICAL DOWNLOAD ON SCREEN ENCLOSURE PURLINS. 10 PSF VERTICAL DOWNLOAD ON SOLID ROOF.

8. SCREEN ROOF TYPE: HIPPED GABLE
9. SOLID ROOF TYPE: N/A
10. EXISTING FOOTING (MIN. 12"X 12" LINEAL FOOTING) MEETS THE REQUIREMENTS TO RESIST THE UPLOADS FOR THE PROPOSED STRUCTURE.

ALUMINUM STRUCTURAL

MEMBERS

HOLLOW SECTIONS

S-2

S-3

DETAILS

DRAWING

PROIECT

MOLENBURG 233 NW OVERFLOW LAKE DR

LAKE CITY, FLORIDA 32024

CONTRACTOR

NOTES

X 2" X 0.044"

DESIGN DATA: (SITE SPECIFIC DESIGN INFORMATION)

1. ULTIMATE DESIGN WIND SPEED Vult, (3 SECOND GUST): SCREEN ENCLOSURE

NOMINAL DESIGN WIND SPEED Vasd:

0.6

FBC PLANS & ENGINEERING SERVICES, INC. PHONE:

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Zephryhills, FL 33542 1-(866)824-7894 erb@fbcplans.com

P.E. OF RECORD DAVID W. SMITH THOMAS L. HANSON FL 3865 IAN J. FOSTER FL 9365 JOEL FALARDEAU FL 7066 ERIK STUART FL 77605

weld File Compliance Exa Code Q opy

TUBE SECTIONS

2" X 10" X 0.092" X 0.374"

2 X 6 SMB: 2 X 7 SMB:

-2" X 5" X 0.050" X 0.118" -2" X 6" X 0.050" X 0.120" -2" X 7" X 0.057" X 0.120" 2" X 8" X 0.072" X 0.224" 2" X 9" X 0.072" X 0.224"

X 4" X 0.044" X 0.100"

2 X 3 SMS: 2 X 4 SMS: 3 X 3 SMS:

-2" X 4" X 0.045" -2" X 2" X 0.045" -2" X 3" X 0.072"

SELF MATING (SMB)

OPEN BACK SECTIONS

S

DETAILS

X 3" X 0.045" X 2" X 0.040"

S

DETAILS

SNAP SECTIONS

24_0528_283

REVISION 1: REVISION 2

DRAW DATE: 05/28/2024

JOB NUMBER:

REVISION 3:

Building Code PLANS & ENGINEERING SERVICE, INC

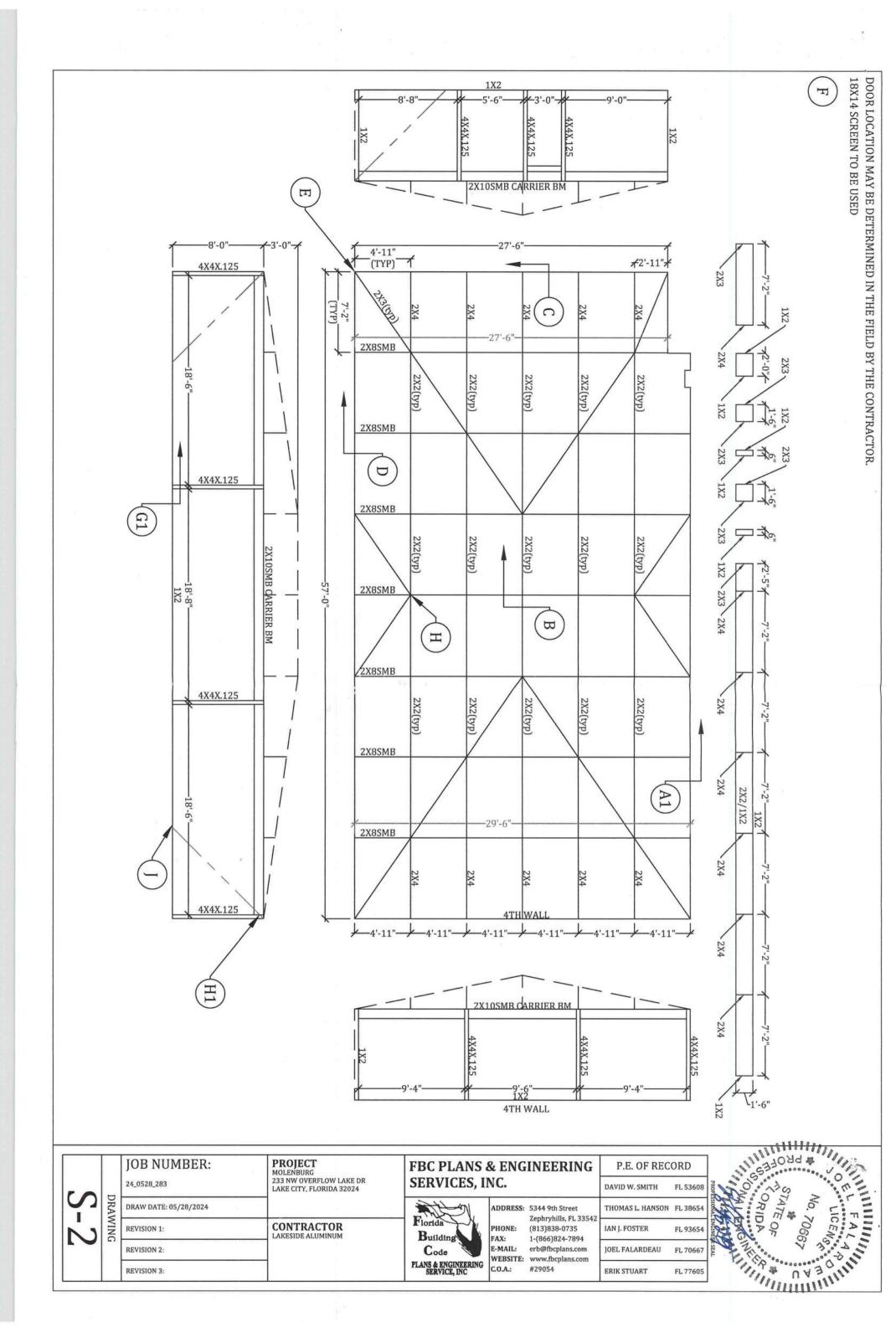
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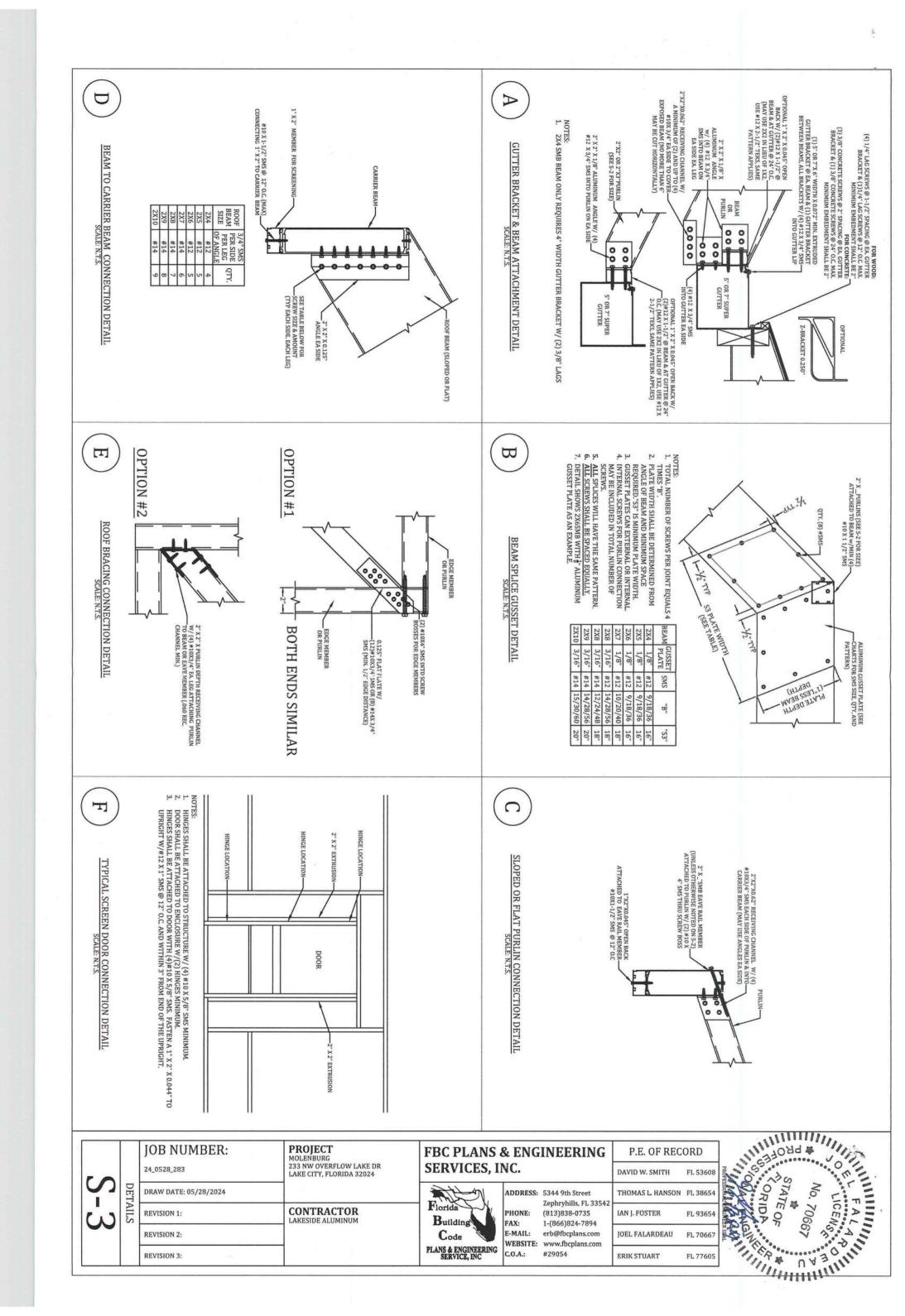
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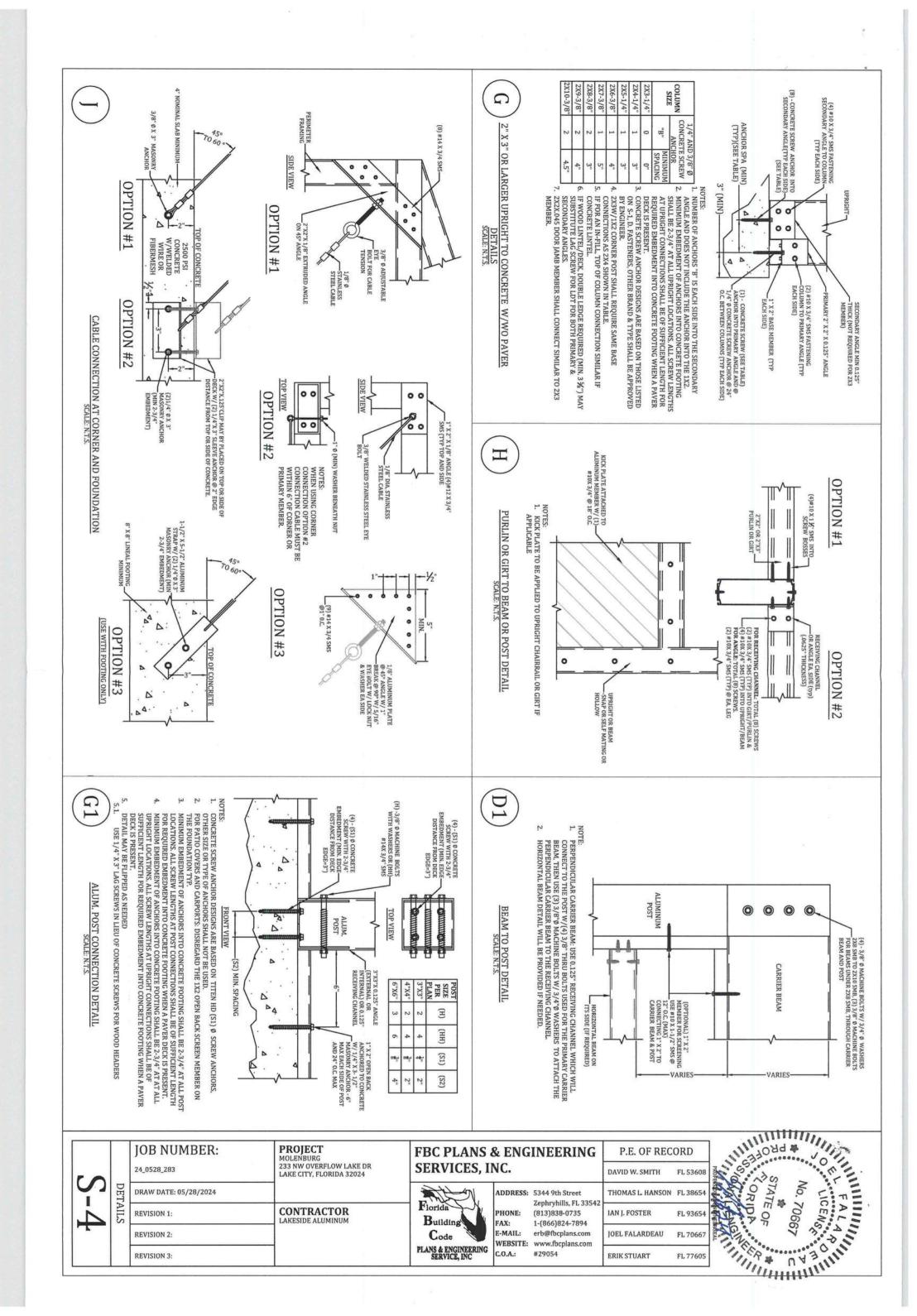
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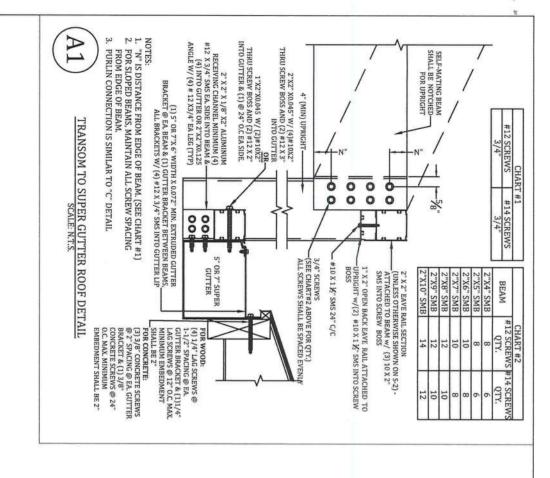
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S-5	DETAILS	JOB NUMBER: 24_0528_283	PROJECT MOLENBURG 233 NW OVERFLOW LAI LAKE CITY, FLORIDA 32
		DRAW DATE: 05/28/2024	
		REVISION 1:	CONTRACTOR LAKESIDE ALUMINUM
		REVISION 2:	
		REVISION 3:	

CCT JRG VERFLOW LAKE DR Y, FLORIDA 32024

Building Code

SERVICES, INC.

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