

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 WELDED WIRE MESH.
- 5. ALL SLABS ON GRADE SHALL BE A MINIMUM OF 4" THICK WITH FIBERMESH.
- 6. ALL REINFORCING SHALL CONFORM TO ASTM A615, BE GRADE 60 (60 KSI MIN.) DEFORMED BARS. #3 BARS MAY BE GRADE 40.
- 7. ALL OVER POUR CONCRETE FILLED SUPPORTED SLABS SHALL BE 3000 PSI MIN., 2" MINIMUM THICKNESS.
- 8. SOIL BEARING PRESSURE SHALL BE A MINIMUM OF 1500 PSF.
- 9. THE CONCRETE SHALL CONFORM TO ASTM C94 FOR THE FOLLOWING:
 - 9.1. OPC (PORTLAND CEMENT TYPE I, ASTM C 150).
 - 9.2. AGGREGATES - #6 STONE, ASTM C 33 SIZE NO. 67 LESS THAN 3/4".
 - 9.3. AIR ENTRAINING +/- 1% - ASTM C 260.
 - 9.4. WATER REDUCING AGENT - ASTM C 494.
 - 9.5. CLEAN PORTABLE WATER.
 - 9.6. OTHER ADMIXTURES SHALL NOT BE PERMITTED.
- 10. METAL WELDED WIRE SHALL CONFORM TO ASTM A 185.
- 11. PREPARE & PLACE CONCRETE ACCORDING TO AMERICAN CONCRETE INSTITUTE MANUAL STANDARD PRACTICE, PART 1, 2, & 3 ALONG WITH HOT WEATHER CONDITIONS RECOMMENDATIONS.
- 12. 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 DETEIORATION.

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 OF TYPE M OR S.
- 3. ALL GROUT 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 EXCEEDS 5'-0" IN HEIGHT.

C. ALUMINUM:

- 1. ALL STRUCTURAL ALUMINUM SHALL CONFORM TO THE MINIMUM REQUIREMENTS OF 6005-T5 FOR ALLOY WITH A MINIMUM THICKNESS OF 0.040" FOR SUPPORTING MEMBERS.
- 2. 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 ALUMINUM STRUCTURES - BUILDING LOAD AND RESISTANCE FACTOR DESIGN" OF THE ALUMINUM DESIGN MANUAL PREPARED BY THE ALUMINUM ASSOCIATION, INC. WASHINGTON D.C. THE FLORIDA BUILDING CODE 8TH EDITION (CHAPTER 16 STRUCTURAL DESIGN & CHAPTER 20 ALUMINUM).
- 4. WHERE ALUMINUM COMES INTO CONTACT WITH STEEL, OR PRESSURE TREATED LUMBER PROVIDE DIELECTRIC SEPARATION.
- 5. 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.
- 6. 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. VINYL AND ACRYLIC PANELS MAY NOT BE USED IN FLOOD ZONE A.

- 7. 1"x2"x0.045" NON-STRUCTURAL MEMBERS SHALL BE ATTACHED TO HOST WITH 1/4"x0 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:

- 1. ALL LAG BOLTS SHALL CONFORM TO STAINLESS STEEL TYPE 300 18-8 WITH STANDARD FLAT WASHER UNLESS MANUFACTURER GALVANIZES BOLTS SPECIFICS FOR USE WITH ACO PRESSURE TREATED WOOD.
- 2. HEX BOLTS HAS TO BE ASTM A 325, PLATED WITH STANDARD FLAT WASHERS AND NUTS.
- 3. ALL CONCRETE SCREWS SHALL BE SIMPSON, HILTI, RAWL, TAPCON, REDHEAD, DYNABOLT, PORTECT OR APPROVED EQUAL.
- 4. ALL METAL TIES AND ASSOCIATED ACCESSORIES SHALL BE HOT DIPPED GALVANIZED.
- 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.
- 7. 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.
- 8. ALL FASTENERS CONNECTING ALUMINUM COMPONENTS OR PRESSURE TREATED LUMBER ARE STAINLESS STEEL, TYPE 300 18-8, UNLESS MANUFACTURER GALVANIZED BOLTS SPECIFICS FOR USE WITH ACO PRESSURE TREATED WOOD, OR OTHERWISE NOTED ON PLANS.
- 9. ALL FASTENERS SHALL COMPLY WITH ASTM A153.
- 10. ALL CONNECTORS SHALL COMPLY WITH ASTM A653 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.

E. REFERENCE STANDARDS: (CURRENT EDITIONS OF)

- ASTM E 119
- ASTM E 1300
- ASCE 7
- 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
- THE FLORIDA BUILDING CODE 8TH 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.

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

G. RESPONSIBILITY:

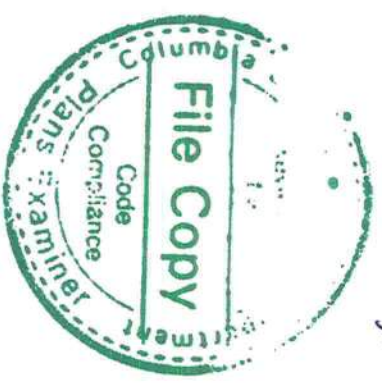
- 1. ALL SITE WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH APPLICABLE BUILDING CODES, LOCAL ORDINANCES, ETC.
- 2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS, NOTIFYING ENGINEER OF ANY DISCREPANCIES BETWEEN DRAWINGS, FABRICATED ITEMS, OR ACTUAL FIELD CONDITIONS.
- 3. THESE 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.
- 6. WHEN ATTACHING TO FASCIA, THE HOST STRUCTURE SHALL HAVE AT LEAST A 2"x4" FASCIA AND ROOF TRUSS SYSTEM. CONTRACTOR SHALL VERIFY THIS AND IF SMALLER, CONTRACTOR SHALL BRING STRUCTURE UP TO A 2"x4" FASCIA AND ENSURE LESS THAN A 2'-0" OVERHANG.
- 7. FBC PLANS & ENGINEERING SERVICES INC. DOES NOT WARRANT, EITHER EXPRESSLY OR IMPLIED, THE QUALITY OF THE CONSTRUCTION, AND IS NOT RESPONSIBLE FOR THE INTERPRETATION OF DESIGNS AND END USE BY THE CLIENT/ CONTRACTOR.
- 8. CONTRACTOR TO VERIFY FEMA FLOOD ZONE OF THE PROPOSED STRUCTURE LOCATION TO ENSURE STRUCTURE IS NOT WITHIN SPECIAL FLOOD HAZARD AREAS.

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 FLORIDA BUILDING CODE 8TH EDITION RESIDENTIAL R 4501.17 IN ITS ENTIRETY.
- 3. DOOR LOCATIONS MAY BE DETERMINED IN THE FIELD BY CONTRACTOR.
- 4. IF PAVES 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.
- 5. SCREENING MATERIAL SHALL BE 18X14X0.013 OR EQUIVALENT DENSITY SCREEN MESH ONLY UNLESS NOTED ON DRAWING S-2.
- 6. ALL STRUCTURAL POST SHALL BE ANCHORED TO AN EXISTING/PROPOSED CONCRETE FOUNDATION FOR UPLIFT PURPOSES.
- 7. TORNADO CODE NOT APPLICABLE TO RISK CATEGORY 1 AND RISK CATEGORY 2 STRUCTURES
- 7.1. ASCE/SEI STANDARD 7-22, FIGS. 32.5-1, 32.5-2, AND G.2-1 THROUGH -4

ST E



SCREEN ENCLOSURE
DESIGN DATA: (SITE SPECIFIC DESIGN INFORMATION)
1. ULTIMATE DESIGN WIND SPEED Vult. (3 SECOND GUST): 130 MPH
NOMINAL DESIGN WIND SPEED Vast: 101 MPH
2. RISK CATEGORY: 1
3. WIND EXPOSURE: B
4. WIND LOADS: 6 PSF
SCREEN WALLS (WINDWARD): 23 PSF
SCREEN WALLS (LEEWARD): 20 PSF
SOLID ROOF: 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. SCREEN ROOF TYPE: HIPPED GABLE
- 9. SOLID ROOF TYPE: N/A
- 10. PROPOSED FOUNDATION (SEE S-2 FOR SIZE AND LOCATION) SHALL BE ADEQUATE TO RESIST THE UPLOADS FOR THE PROPOSED STRUCTURE

ALUMINUM STRUCTURAL MEMBERS

HOLLOW SECTIONS

- 2 X 2.....2" X 2" X 0.044"
- 2 X 3.....2" X 3" X 0.050"
- 2 X 4.....2" X 4" X 0.050"
- 2 X 5.....2" X 5" X 0.050"
- 3 X 3.....3" X 3" X 0.125"

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 SMS.....2" X 2" X 0.045"
- 2 X 3 SMS.....2" X 3" X 0.072"
- 2 X 4 SMS.....2" X 4" X 0.045"
- 3 X 3 SMS.....3" X 3" X 0.090"

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"

TUBE SECTIONS


- 2 X 2.....2" X 2" X 0.090"

INDEX

- S-1 NOTES
- S-2 DRAWING
- S-3 DETAILS
- S-4 DETAILS
- S-5 DETAILS

P.E. OF RECORD	
DAVID W. SMITH	FL 53608
THOMAS L. HANSON	FL 38654
IAN J. FOSTER	FL 93654
JOEL FALARDEAU	FL 70667
ERIK STUART	FL 77605

FBC PLANS & ENGINEERING SERVICES, INC.



PLANS & ENGINEERING SERVICE, INC

ADDRESS: 5344 9th Street
Zephyrhills, FL 33542
PHONE: (813)838-0735
FAX: 1-(866)824-7894
E-MAIL: erb@fbcplans.com
WEBSITE: www.fbcplans.com
C.O.A.: #29054

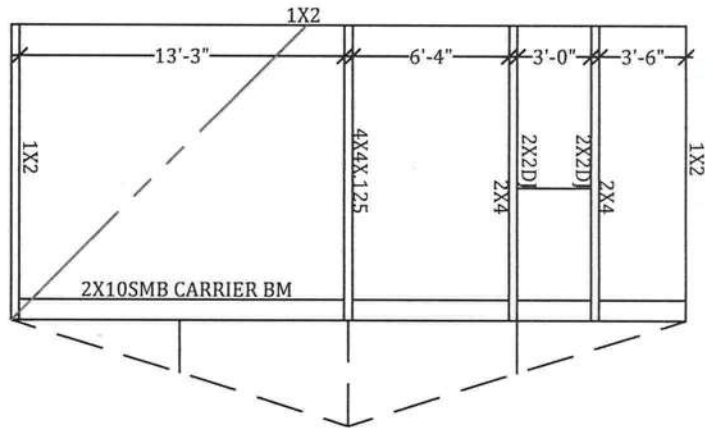
PROJECT BURNHAM 347 NEW BRIDGEWATER TERR LAKE CITY, FLORIDA, 32024	CONTRACTOR LAKESIDE ALUMINUM
---	---------------------------------

JOB NUMBER: 24_0614_147	DRAW DATE: 06/14/2024
REVISION 1:	
REVISION 2:	
REVISION 3:	

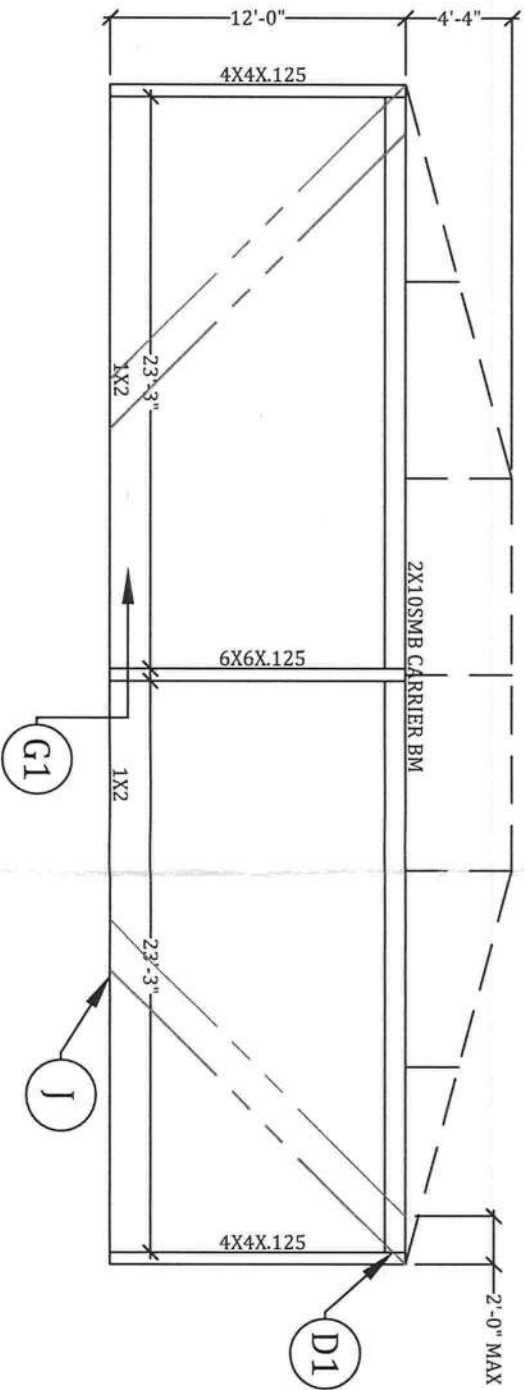
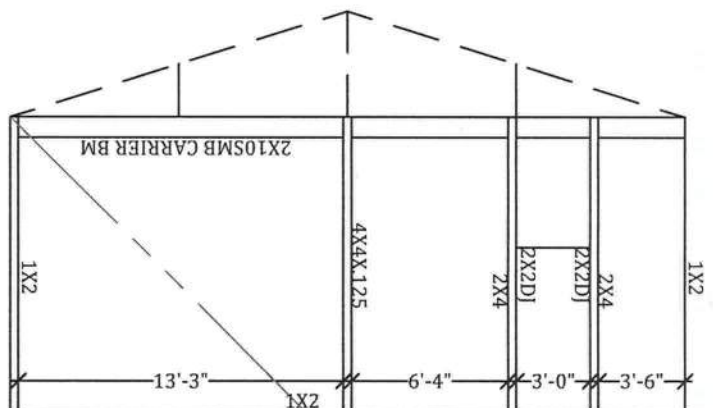
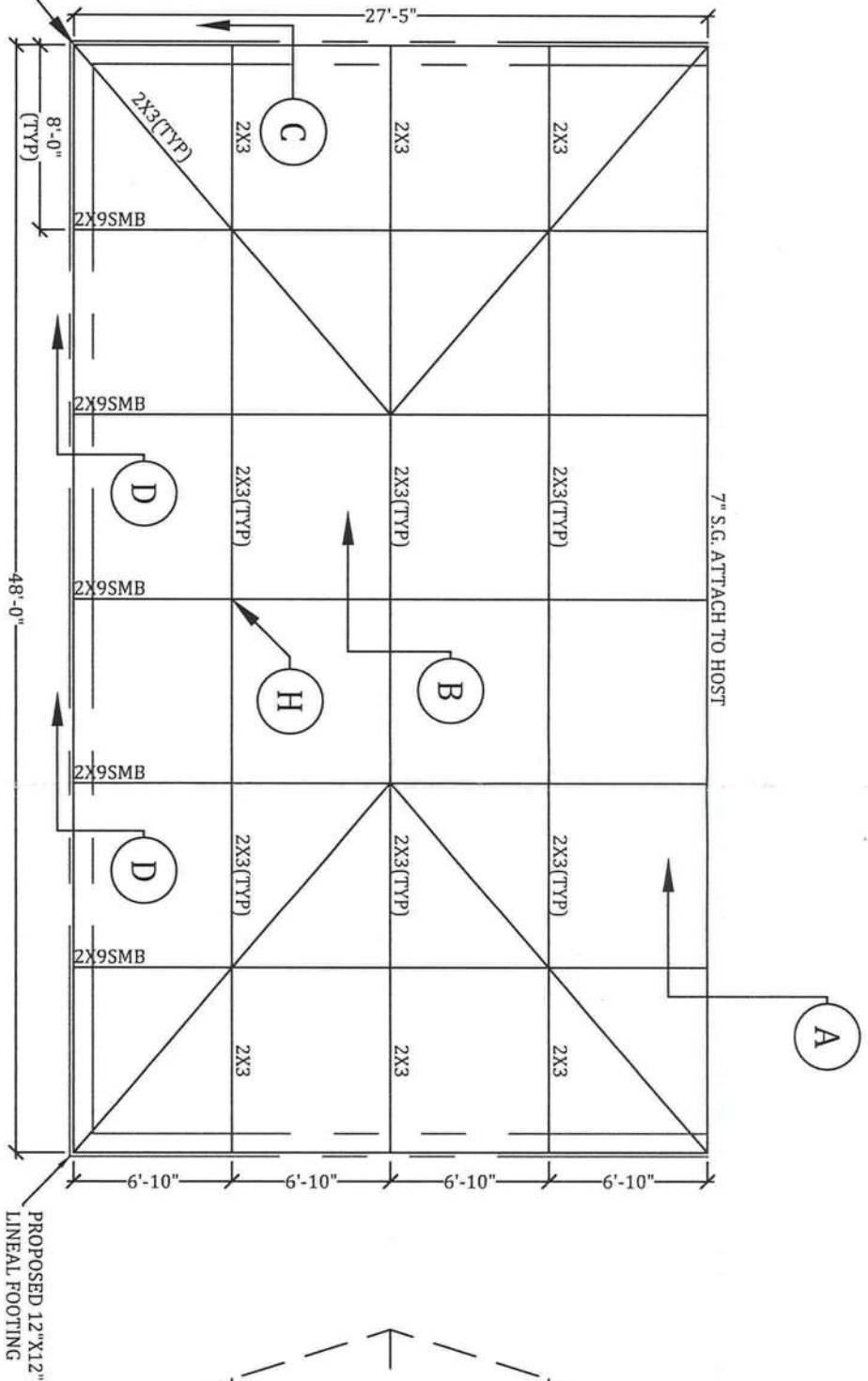
NOTES
S-1


DOOR LOCATION MAY BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
18X14 SCREEN TO BE USED

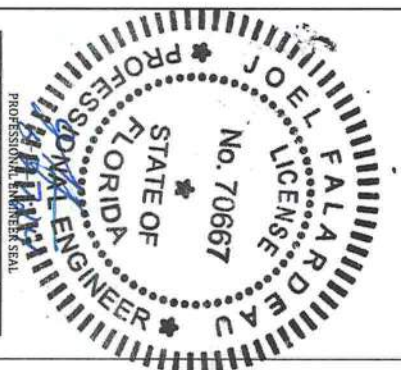
F



E



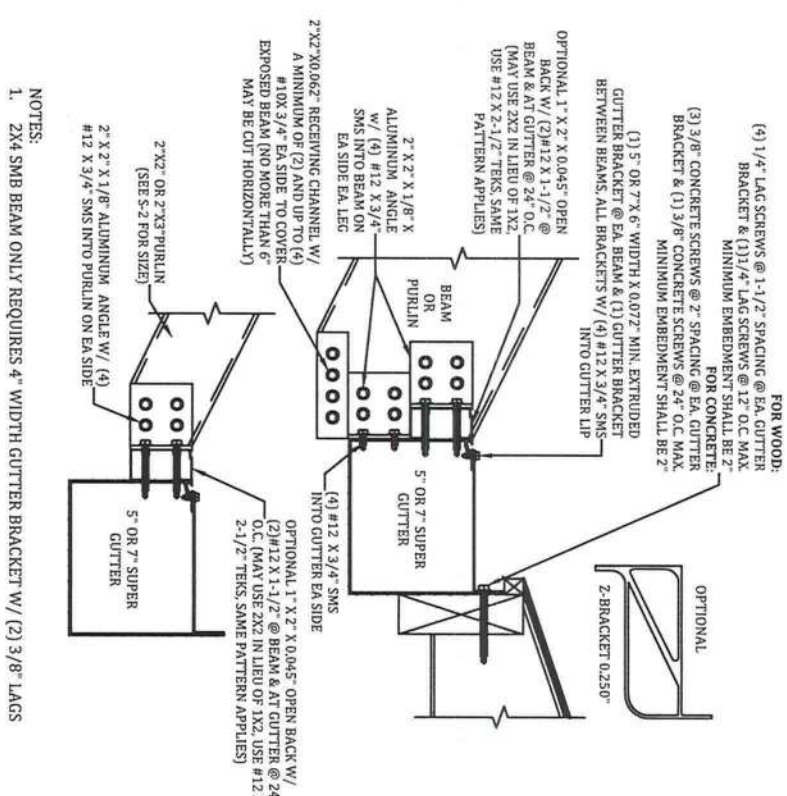
S-2	DRAWING	JOB NUMBER:	PROJECT BURNHAM 347 NEW BRIDGEWATER TERR LAKE CITY, FLORIDA, 32024	FBC PLANS & ENGINEERING SERVICES, INC.		P.E. OF RECORD	
		24_0614_147				DAVID W. SMITH	FL 53608
		DRAW DATE: 06/14/2024	CONTRACTOR LAKESIDE ALUMINUM	 FLORIDA BUILDING CODE PLANS & ENGINEERING SERVICE, INC	ADDRESS: 5344 9th Street Zephyrhills, FL 33542	THOMAS L. HANSON	FL 38654
		REVISION 1:			PHONE: (813)838-0735	IAN J. FOSTER	FL 93654
		REVISION 2:			FAX: 1-(866)824-7894	JOEL FALARDEAU	FL 70667
		REVISION 3:			E-MAIL: erb@fbcplans.com		
		WEBSITE: www.fbcplans.com					
		C.O.A.: #29054					



A

GUTTER BRACKET & BEAM ATTACHMENT DETAIL

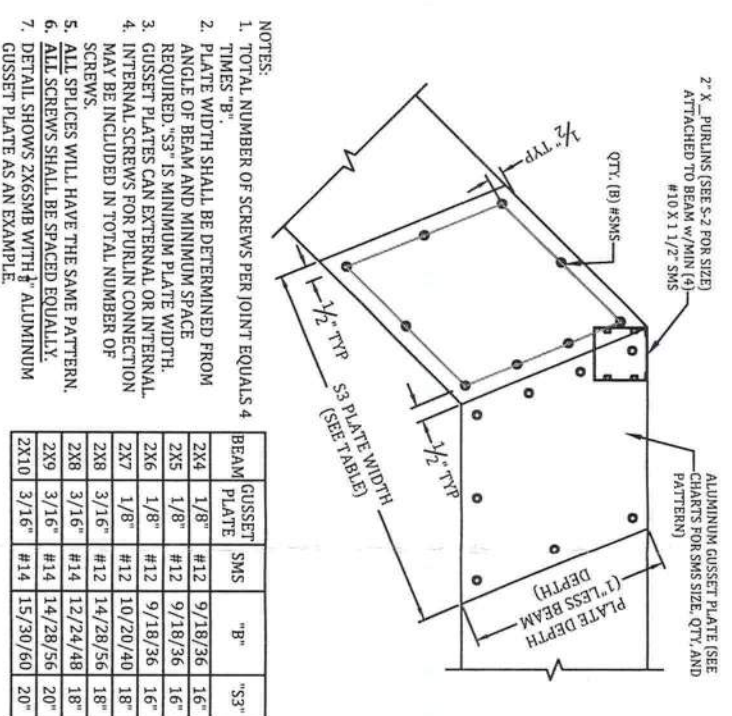
SCALE: N.T.S.



B

BEAM SPLICE GUSSET DETAIL

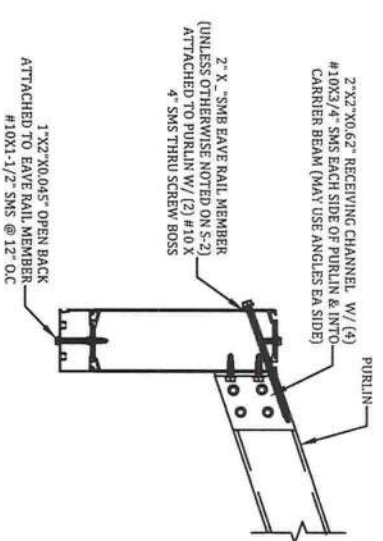
SCALE: N.T.S.



C

SLOPED OR FLAT PURLIN CONNECTION DETAIL

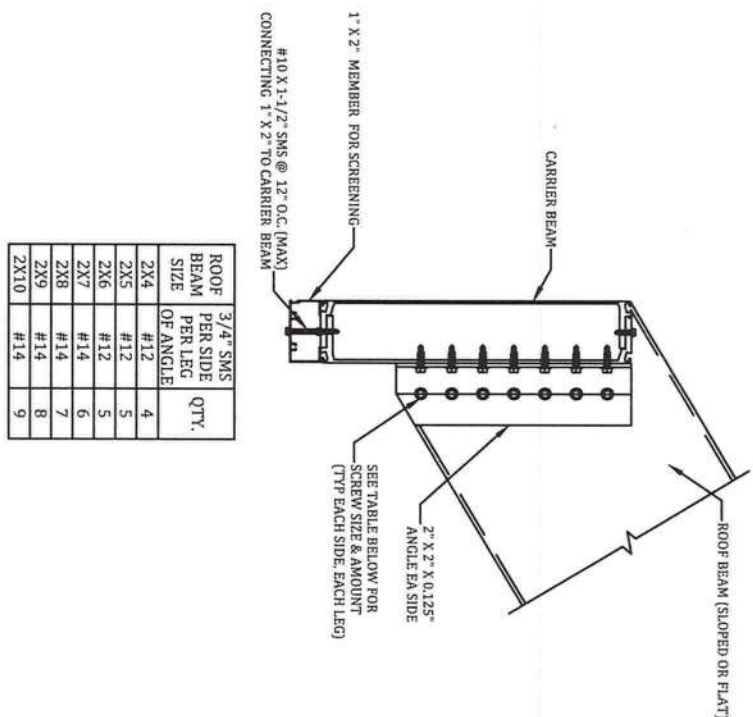
SCALE: N.T.S.



D

BEAM TO CARRIER BEAM CONNECTION DETAIL

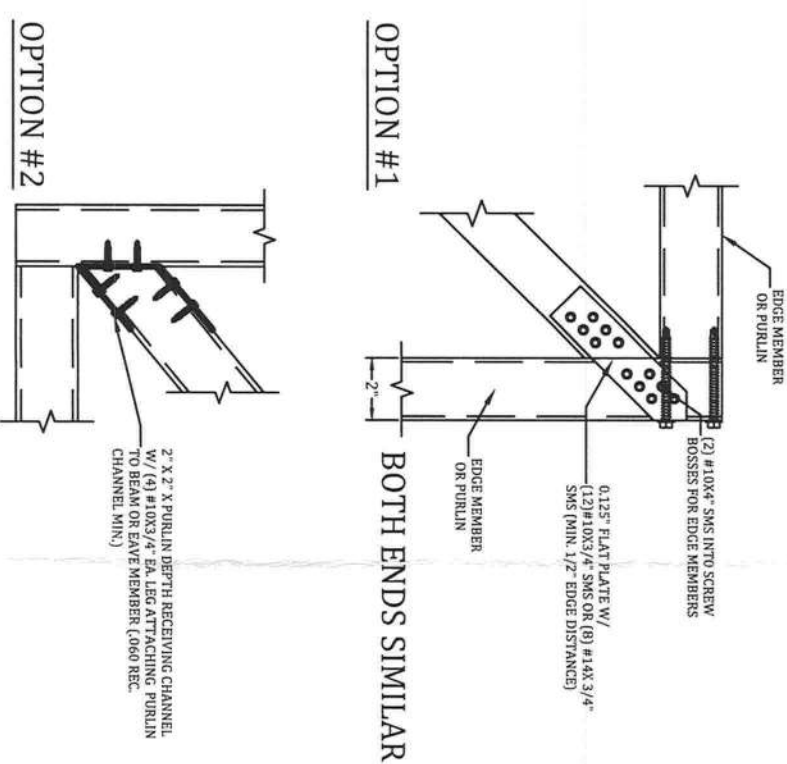
SCALE: N.T.S.



E

ROOF BRACING CONNECTION DETAIL

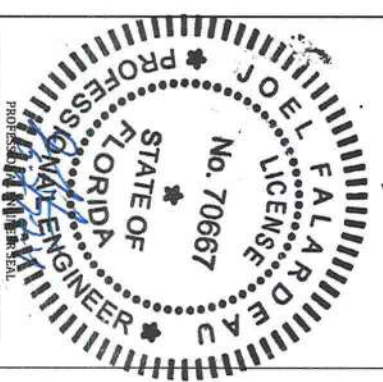
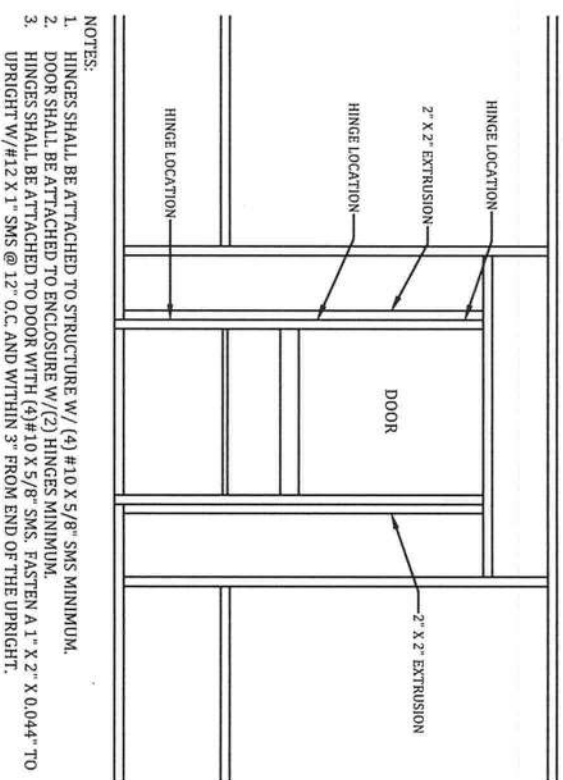
SCALE: N.T.S.



F


TYPICAL SCREEN DOOR CONNECTION DETAIL

SCALE: N.T.S.



P.E. OF RECORD	
DAVID W. SMITH	FL 53608
THOMAS L. HANSON	FL 38654
IAN J. FOSTER	FL 93654
JOEL FALARDEAU	FL 70667
ERIK STUART	FL 77605

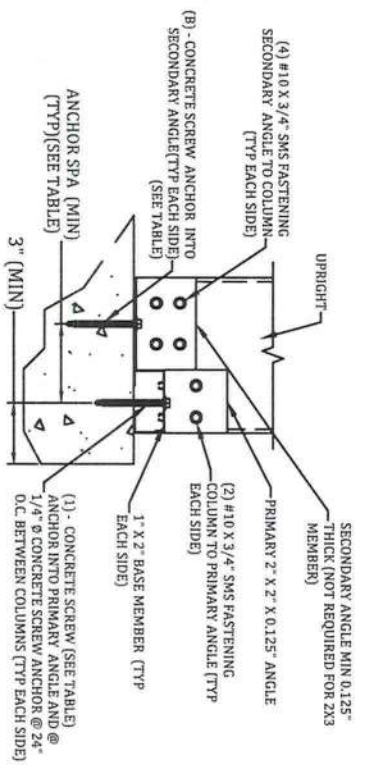
FBC PLANS & ENGINEERING SERVICES, INC.

**Florida Building Code**
PLANS & ENGINEERING SERVICE, INC.

ADDRESS: 5344 9th Street
Zephyrhills, FL 33542
PHONE: (813)838-0735
FAX: 1-(866)824-7894
E-MAIL: erb@fbcplans.com
WEBSITE: www.fbcplans.com
C.O.A.: #29054

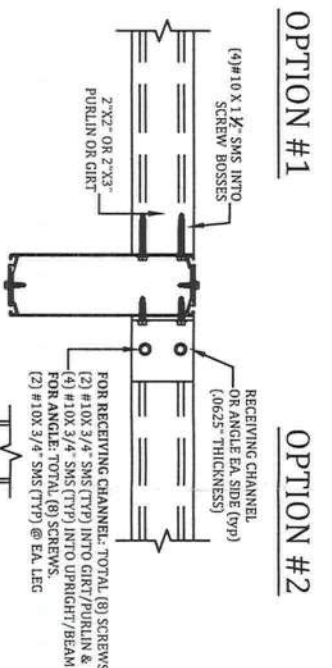
JOB NUMBER: 24_0614_147	PROJECT BURNHAM 347 NEW BRIDGEWATER TERR LAKE CITY, FLORIDA, 32024
DRAW DATE: 06/14/2024	CONTRACTOR LAKESIDE ALUMINUM
REVISION 1:	
REVISION 2:	
REVISION 3:	

S-3

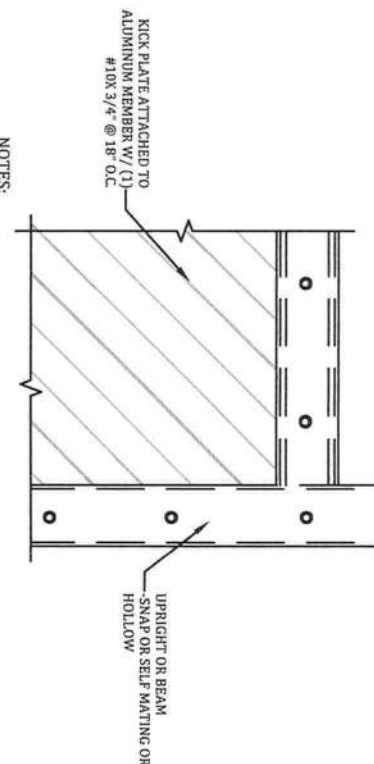


COLUMN SIZE	1/4\"/>
-------------	---------

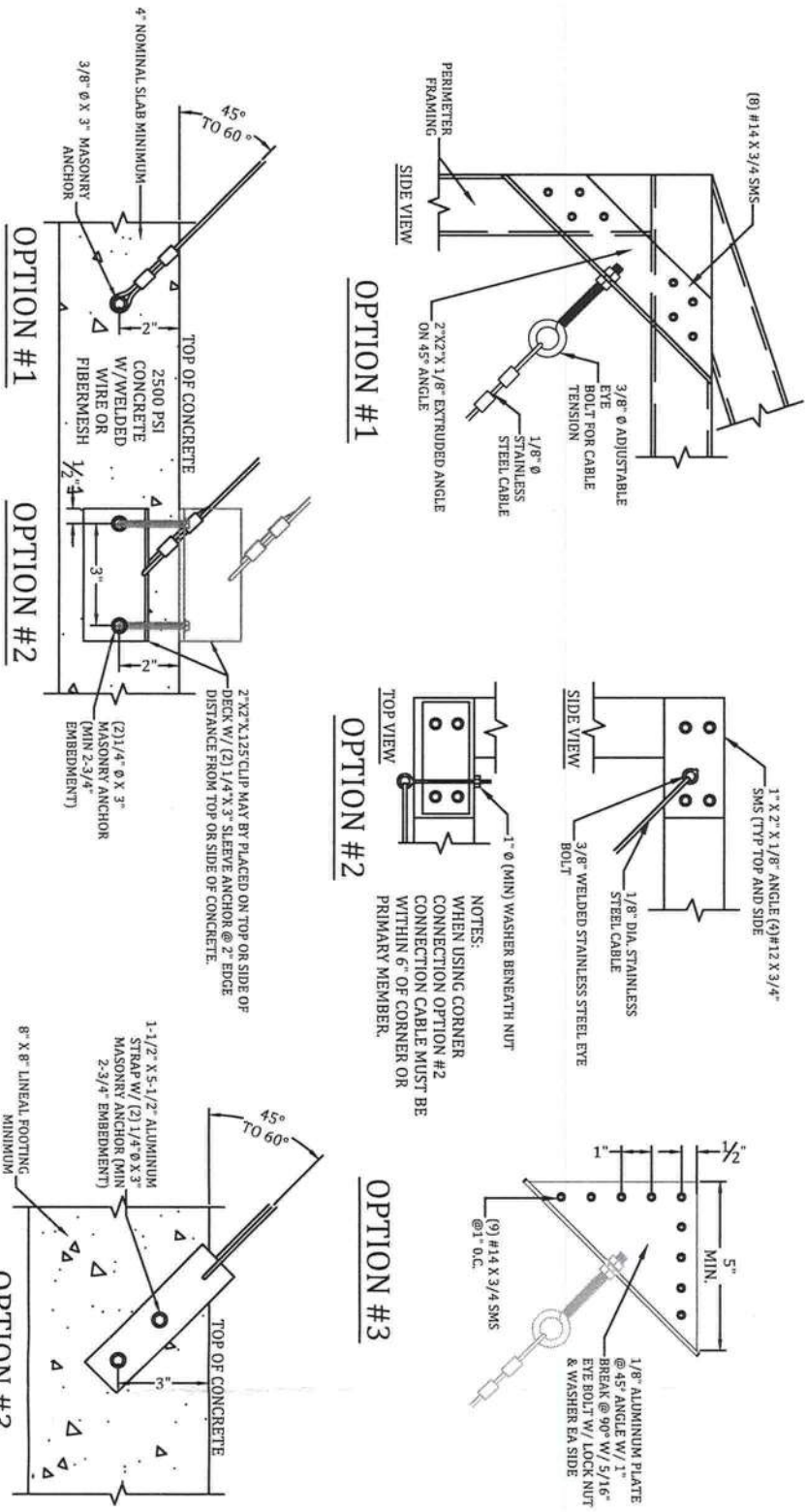
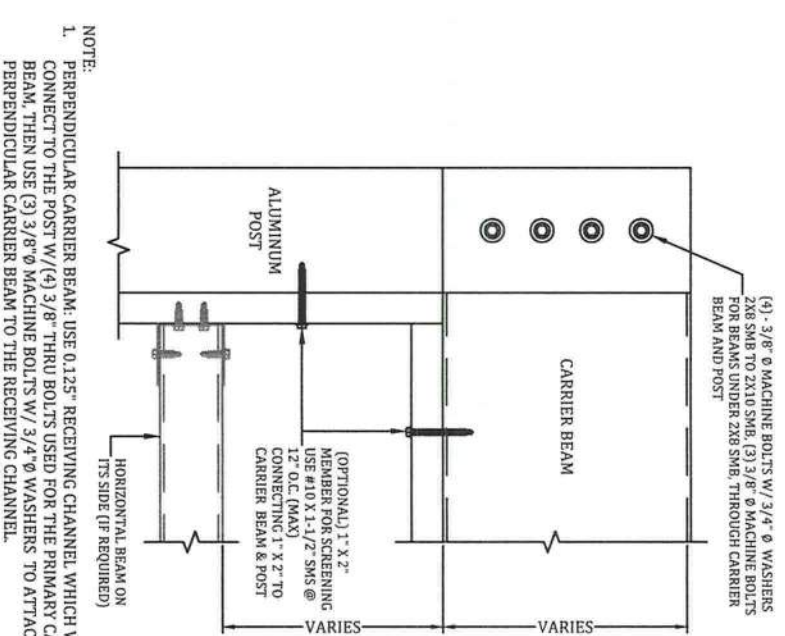
G 2" X 3" OR LARGER UPRIGHT TO CONCRETE W/NO PAYER
DETAILS
SCALE: N.T.S.



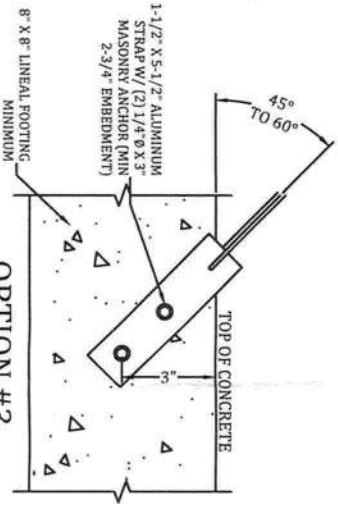
H PURLIN OR GIRT TO BEAM OR POST DETAIL
SCALE: N.T.S.



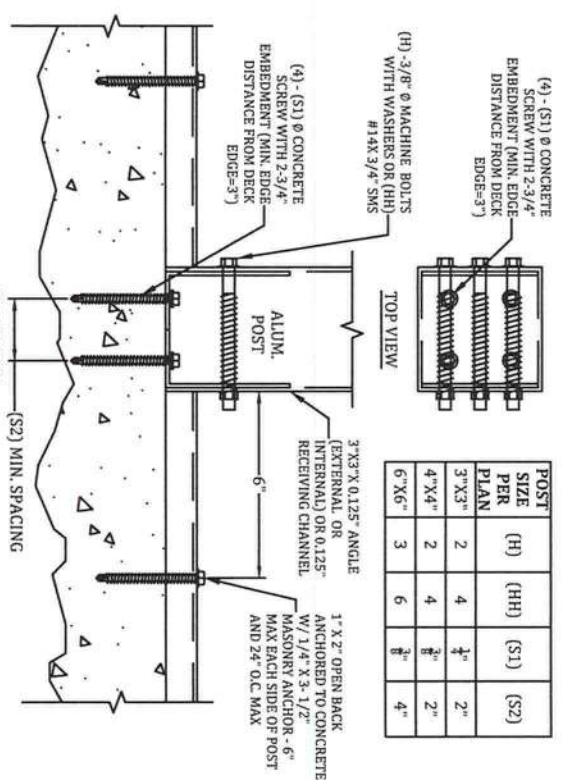
D1 BEAM TO POST DETAIL
SCALE: N.T.S.



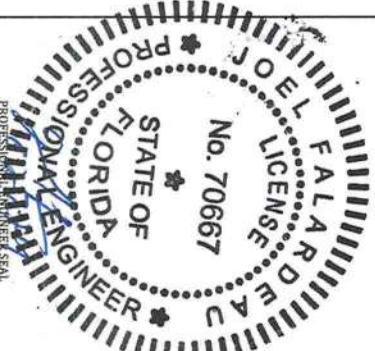
I CABLE CONNECTION AT CORNER AND FOUNDATION
SCALE: N.T.S.



OPTION #3
(USE WITH FOOTING ONLY)



G1 ALUM. POST CONNECTION DETAIL
SCALE: N.T.S.



P.E. OF RECORD	
DAVID W. SMITH	FL 53608
THOMAS L. HANSON	FL 38654
IAN J. FOSTER	FL 93654
JOEL FALARDEAU	FL 70667
ERIK STUART	FL 77605

FBC PLANS & ENGINEERING SERVICES, INC.

ADDRESS: 5344 9th Street
Zephyrhills, FL 33542
PHONE: (813)838-0735
FAX: 1-(866)824-7894
E-MAIL: erb@fbcplans.com
WEBSITE: www.fbcplans.com
C.O.A.: #29054

Florida Building Code
PLANS & ENGINEERING SERVICE, INC.

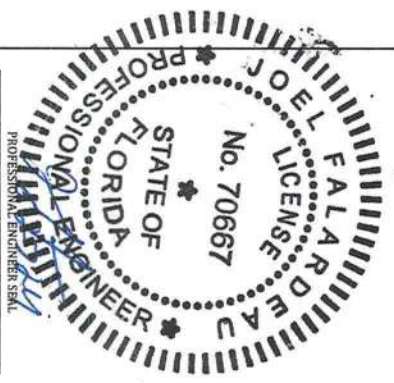
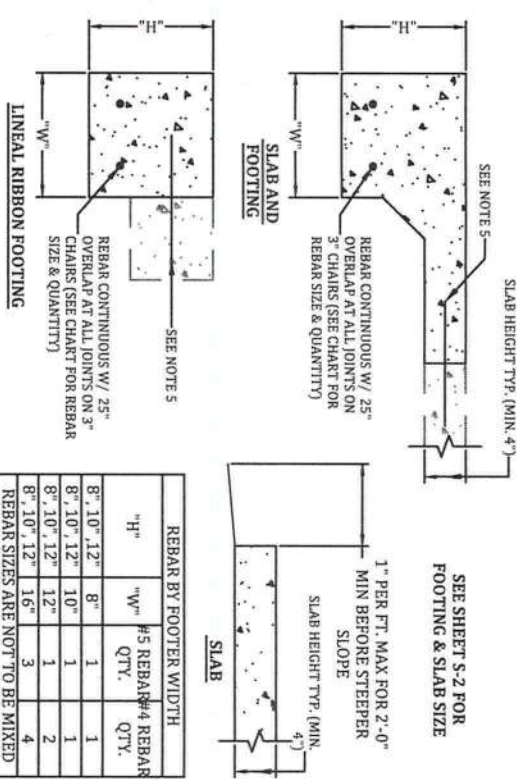
PROJECT BURNHAM 347 NEW BRIDGEWATER TERR LAKE CITY, FLORIDA, 32024	CONTRACTOR LAKESIDE ALUMINUM
--	--


JOB NUMBER: 24_0614_147	DRAW DATE: 06/14/2024
REVISION 1:	REVISION 2:
REVISION 3:	

K

FOUNDATION DETAIL
SCALE: N.T.S.

- NOTES FOR ALL FOUNDATION TYPES:
1. THE FOUNDATIONS SHOWN ARE BASED ON A MINIMUM SOIL BEARING PRESSURE OF 1,500 PSF. THE BEARING CAPACITY OF THE SOIL, VERIFIED BY A LICENSED CONTRACTOR PRIOR TO ANY POURING OF CONCRETE.
 2. THE SLAB/FOUNDATION MUST BE CLEARED OF ALL DEBRIS, AND COMPACTED PRIOR TO POURING OF ANY CONCRETE.
 3. CONCRETE MEET THE SPECIFICATIONS IN THE S-1 NOTES PAGE.
 4. HEIGHT AND WIDTH ARE INTERCHANGEABLE EXCEPT 12" WIDTH X 16" HEIGHT IS NOT APPLICABLE.
 5. WHEN PINNING USE A MINIMUM OF (1) 12" #5 REBAR W/ 6" EMBEDMENT @ 48" O.C. REQUIRED FOR ACCESSORY STRUCTURE TO ACCESSORY STRUCTURE CONCRETE BUT OPTIONAL FOR ACCESSORY STRUCTURE TO HOST STRUCTURE CONCRETE, HOWEVER SLAB ONLY MUST BE PINNED TO HOST STRUCTURE.



S-5	DETAILS	JOB NUMBER:	PROJECT BURNHAM 347 NEW BRIDGEWATER TERR LAKE CITY, FLORIDA, 32024	FBC PLANS & ENGINEERING SERVICES, INC.		P.E. OF RECORD	
		24_0614_147		 FLORIDA BUILDING CODE PLANS & ENGINEERING SERVICE, INC	ADDRESS: 5344 9th Street Zephyrhills, FL 33542	DAVID W. SMITH FL 53608	
		DRAW DATE: 06/14/2024	CONTRACTOR LAKESIDE ALUMINUM		PHONE: (813)838-0735	THOMAS L. HANSON FL 38654	
		REVISION 1:			FAX: 1-(866)824-7894	IAN J. FOSTER FL 93654	
		REVISION 2:			E-MAIL: erb@fbcpplans.com	JOEL FALARDEAU FL 70667	
		REVISION 3:			WEBSITE: www.fbcpplans.com	ERIK STUART FL 77605	
		C.O.A.: #29054					