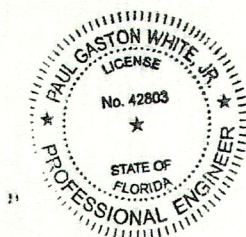


Digitally signed
by Paul G White
Jr.

Date: 2023.01.06
14:48:10 -06'00'



Paul White, Jr. P.E.
Absolute Aluminum
FL P.E.# 42803
1220 Ogden Road
Venice, FL 34285
FL CA# 27320

Permit # 23-0042
REVIEWED FOR CODE COMPLIANCE
LONGBOAT KEY BUILDING DEPT.

JAN 23 2023

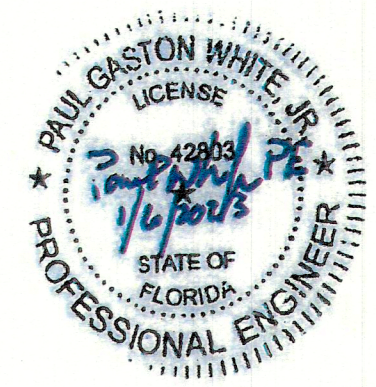
APPROVED

Reviewer: Neal Mazzari

RECEIVED

JAN 18 2023

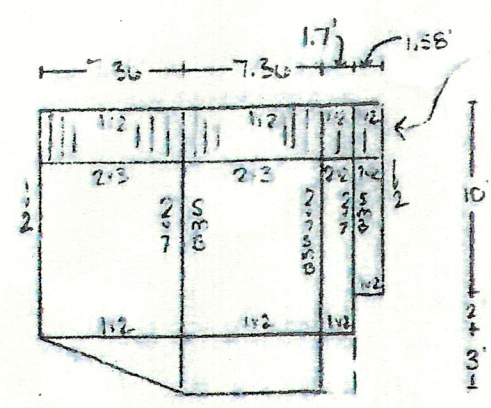
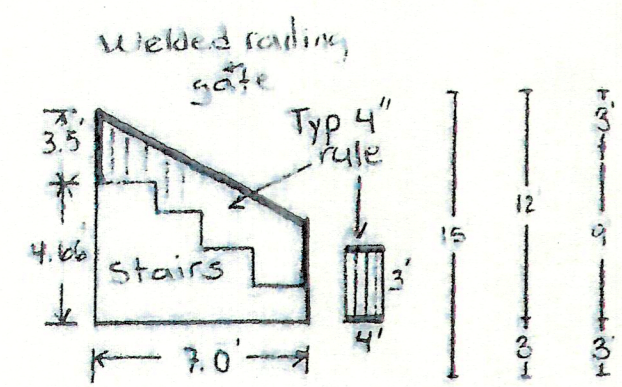
TOWN OF LONGBOAT KEY
Planning, Zoning & Building



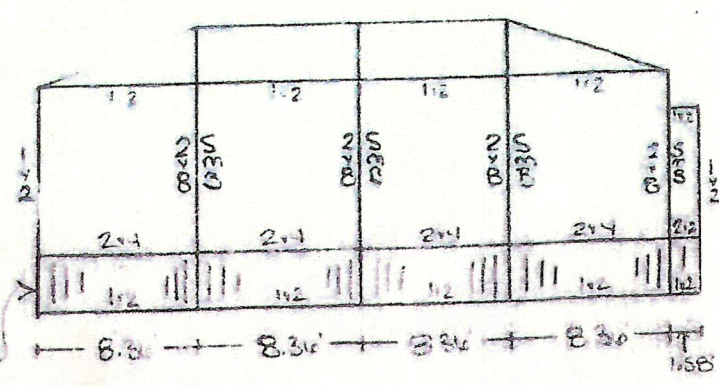
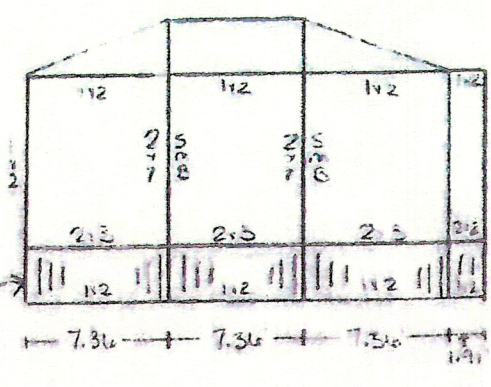
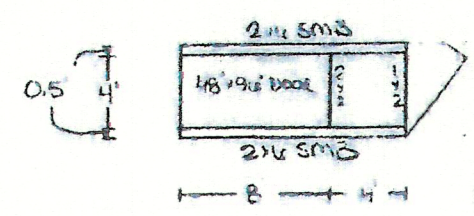
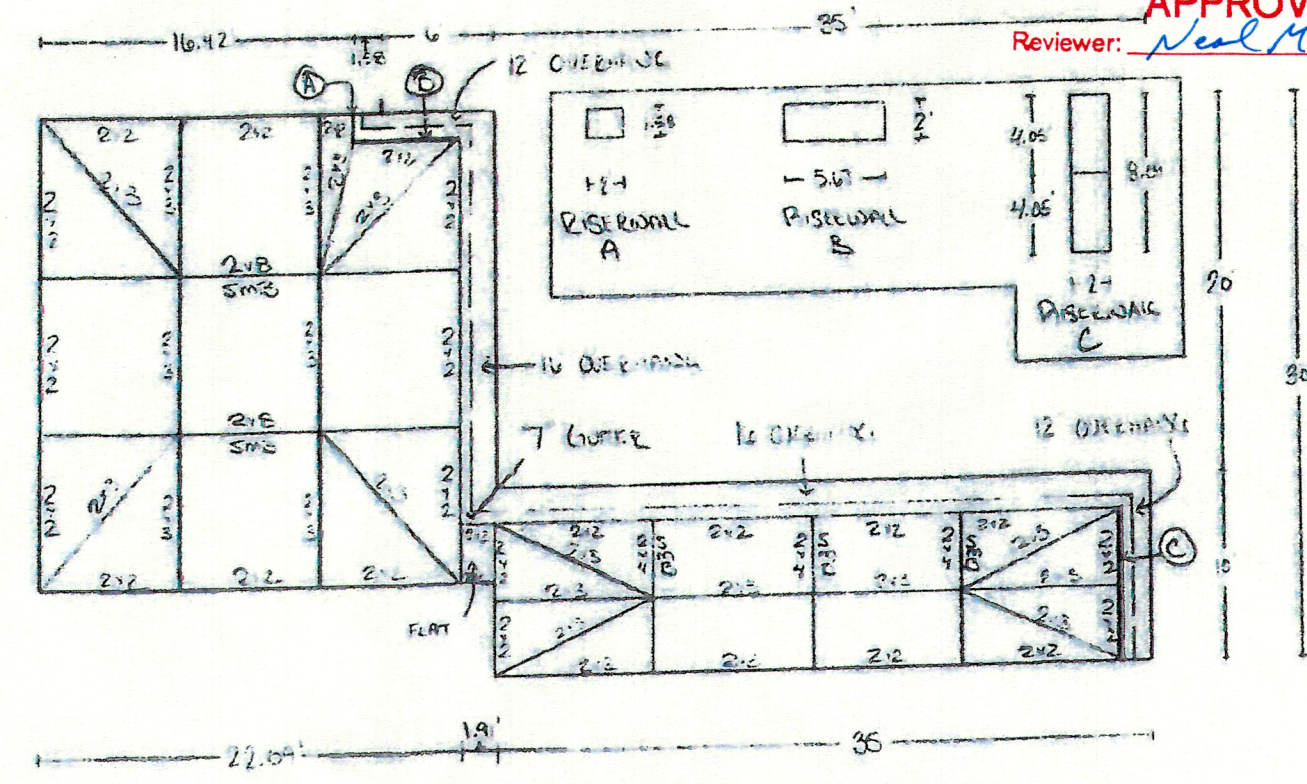
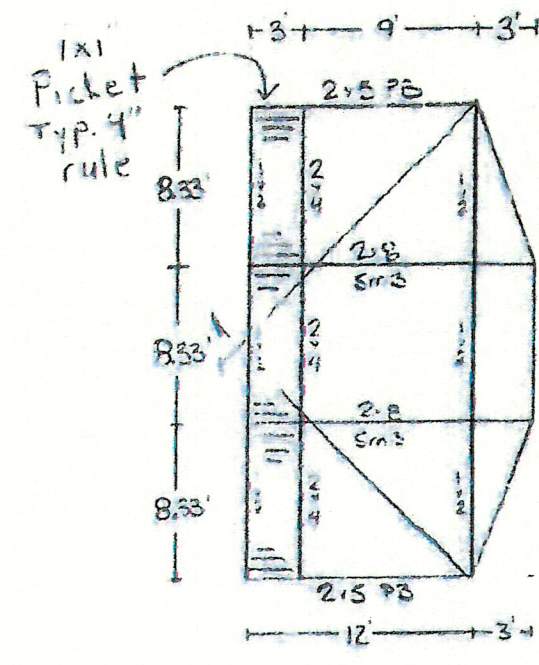
Paul White, Jr., P.E.
FL PE# 42803
Absolute Aluminum
1220 Ogden Road
Venice, FL 34285
FL CA# 27320
(941) 497-7777 (Office)
(850) 450-7303 (Cell)

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and the signature must be verified on
any electronic copies

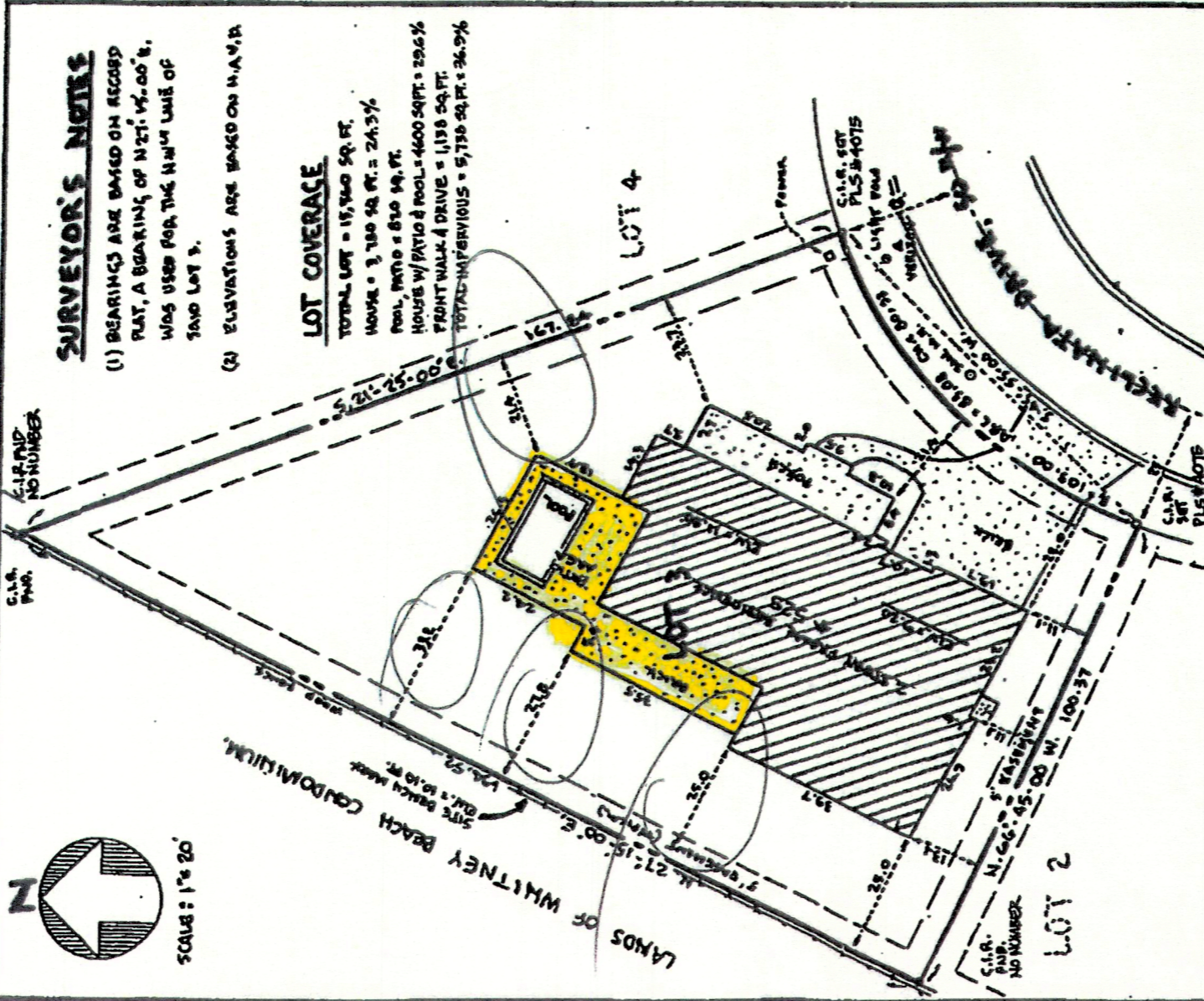
Absolute Aluminum
1220 Ogden Road, Venice, FL 34285-5535
Office: (941) 497-7777 FAX: (941) 497-1372
License: ~~23-0061300~~ FL CA# 27320



HOST STRUCTURE



JOB ADDRESS:
Name: TALL TREX
Address: 525 RICHMOND DR
City: LONGBOAT KEY FL 34285
Job #: 23-0042-12



SURVEYOR'S NOTE

(1) BEARINGS ARE BASED ON RECORDED PLAT, A BEARING OF N27°16'00" E, WAS USED FOR THE N.W.1/4 OF T10N R10E W.1/2 S. ELEVATIONS ARE BASED ON N.A.S.P.

LOT COVERAGE

TOTAL LOT = 15,360 SQ. FT.
 HOUSE = 3,780 SQ. FT. = 24.3%
 POOL, PATIO = 810 SQ. FT.
 HOUSE W/ PATIO & POOL = 4600 SQ. FT. = 29.6%
 FRONT WALK & DRIVE = 1,138 SQ. FT.
 TOTAL IMPERVIOUS = 5,738 SQ. FT. = 36.9%

A BOUNDARY SURVEY OF LOT 3, "RECLIMATE" A SUBDIVISION RECORDED IN PLAT BOOK 16, PAGE 60, PUBLIC RECORDS OF MANATEE COUNTY, FLORIDA

Approved for Zoning & Building Per Statement of Zoning Compliance Only

RECEIVED
 MAY 22 2020
 TOWN OF LONGBOAT KEY
 Planning Zoning & Building

Kenith R. Palmer
 Date: 5/20/2020
 I, KENNETH R. PALMER, HEREBY CERTIFY THAT THIS SKETCH OF THE SURVEY REPRESENTED HEREON MEETS THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF FLORIDA AS SET FORTH BY THE FLORIDA BOARD OF SURVEYING AND MAPPING, PURSUANT TO CHAPTER 472 OF THE FLORIDA STATUTES AND CHAPTER 31-17 OF THE FLORIDA ADMINISTRATIVE CODE.
 ROBINSON LAND SURVEYING, INC. 05/19/2020
 KENNETH R. PALMER
 PROFESSIONAL SURVEYOR AND MAPPER
 FLORIDA CERTIFICATE NO. 46221

LEGEND

- C.I.R. CAPPED IRON ROD
- I.R. 3 IRON ROD
- I.R. 5 IRON PIPE
- PUB. COONED
- ELV. ELEVATION

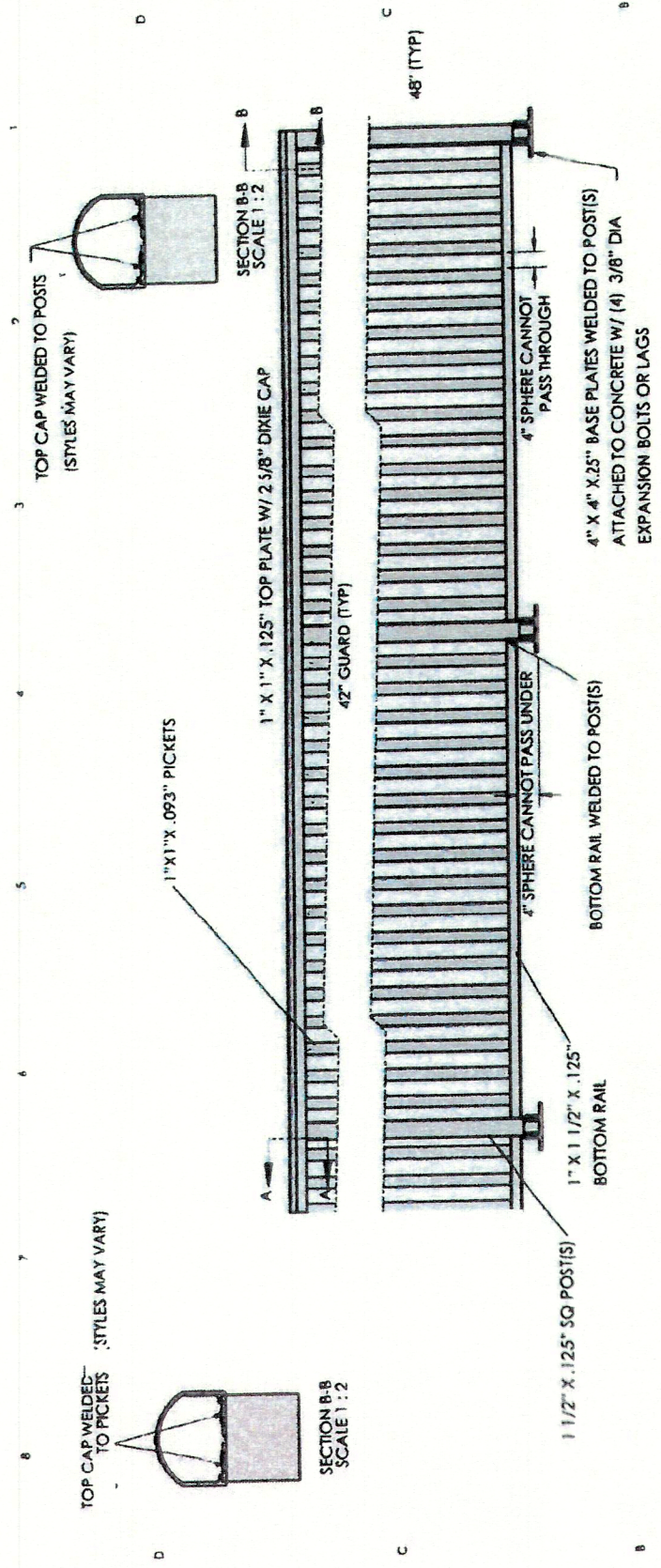
UPDATE: 5/20/2020
 FINAL SET SHEET: APR. 2019
 REVISIONS LOCATED: 12/15/17

ROBINSON LAND SURVEYING, INC.
 (813) 864-4173 FAX (813) 867-2418
 1940 MAIN ST., SARASOTA, FLA. 34238

FOR FLAGSHIP GROUP, INC. C/JF0508 LLC

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 Planning, Zoning & Building

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 FILE COPY OF RECORD



NOTE: TOP OF POOL RAILINGS MUST BE A MIN OF 48" ABOVE GRADE

PROPERTY AND COMPANY: JACOBS ENGINEERING GROUP, INC. 10000 WOODBRIDGE DRIVE, SUITE 100, FORT WORTH, TEXAS 76155-1000

NAME: JACOB WHITE

DATE: 10/20/06

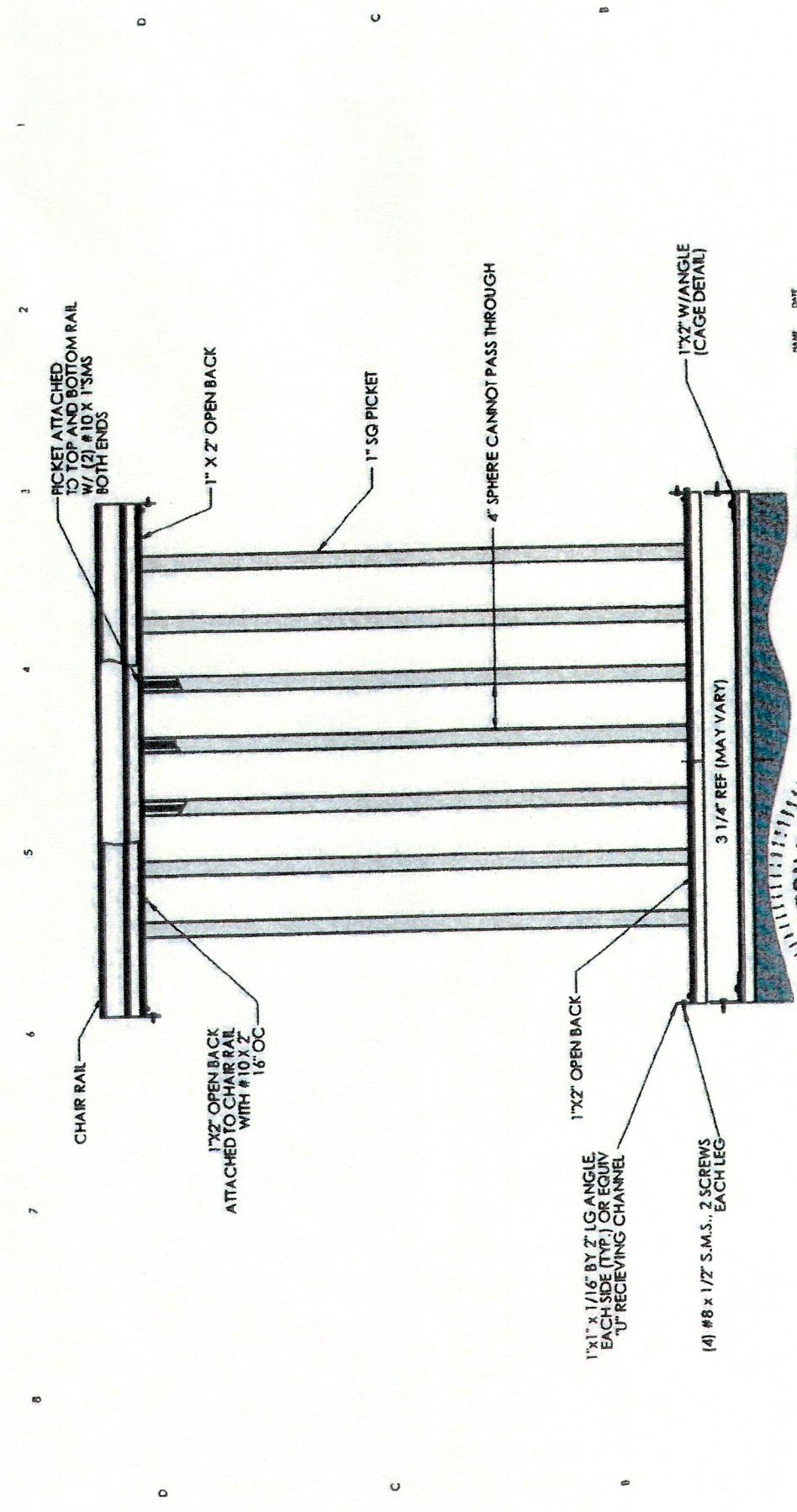
TITLE: HAND RAIL - FLANGE

REV: 1

SIZE DWG. NO. ABSOLUTE ALUMINUM B HIRFOOT

SCALE: 1:200

SHEET 1 OF 2



PROFESSIONAL ENGINEER

PAUL GASTON WHITE, JR.

FLORIDA STATE OF

NO. 42803

1/16 parts

LICENSE

REVISIONS:

NO. DATE

1 / 10/20/06

2 /

ABSOLUTE ALUMINUM B CP001

SCALE: 1:20

SHEET 1 OF 1

RECEIVED

JAN 18 2003

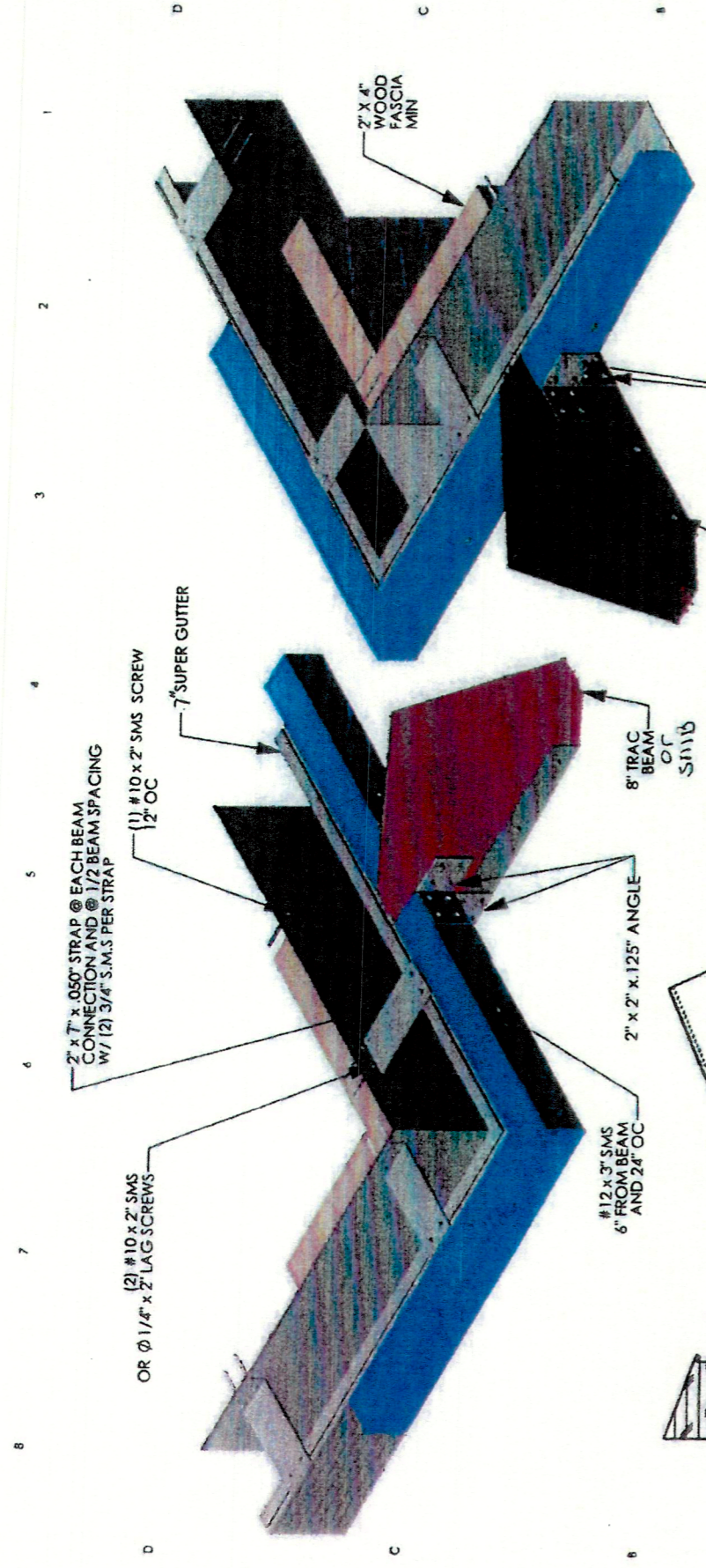
TOWN OF LONGBOAT KEY

Planning, Zoning & Building

2/10

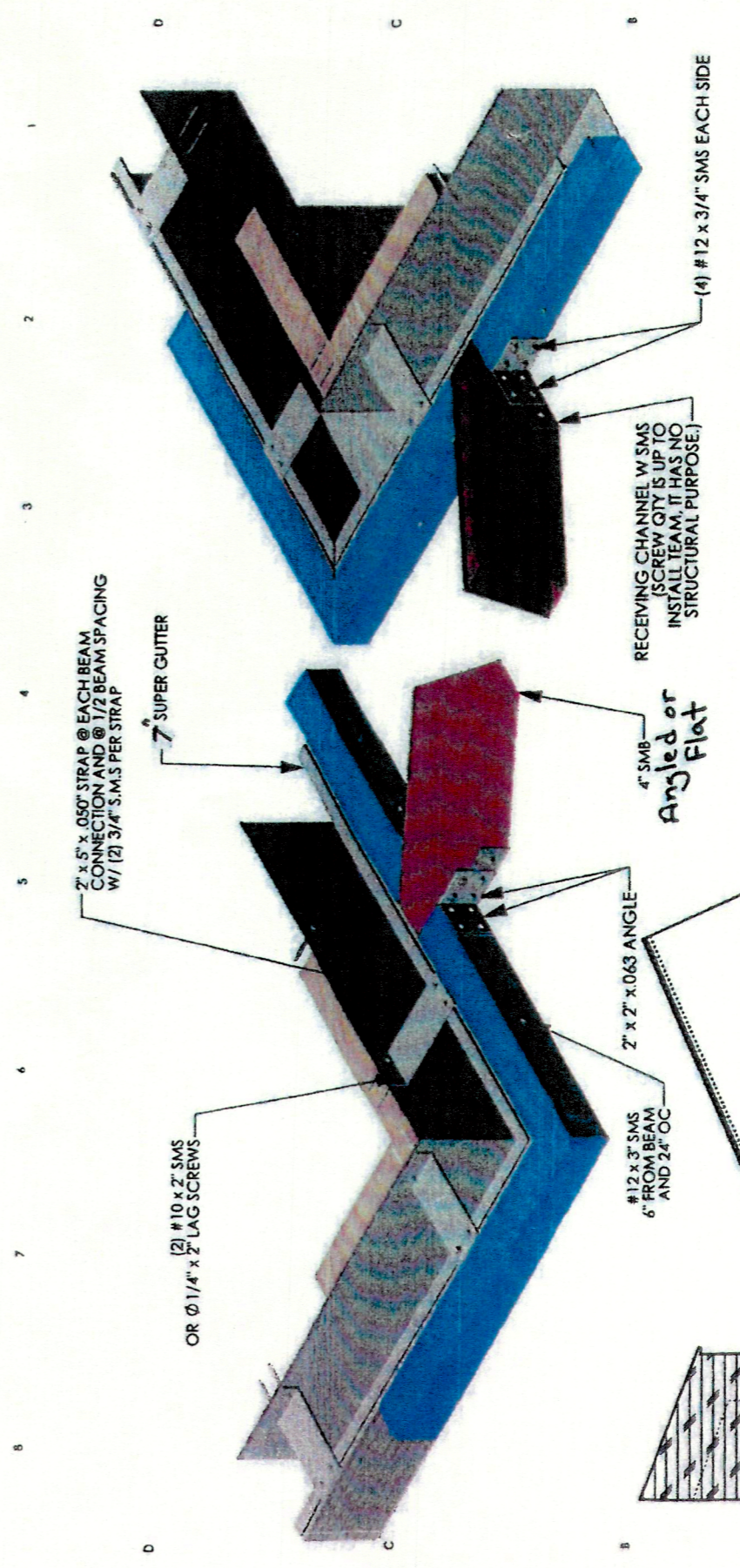
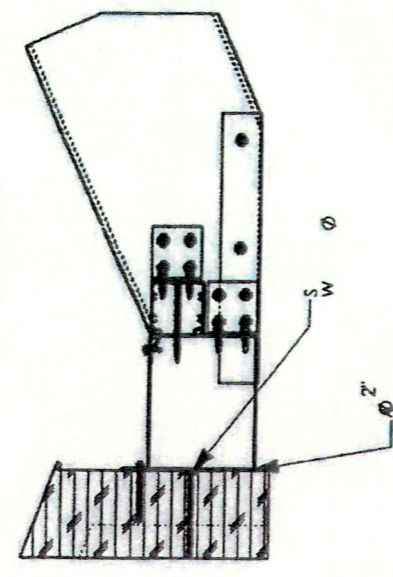
BLDG. PERMIT PLANS

FILE COPY OF RECORD



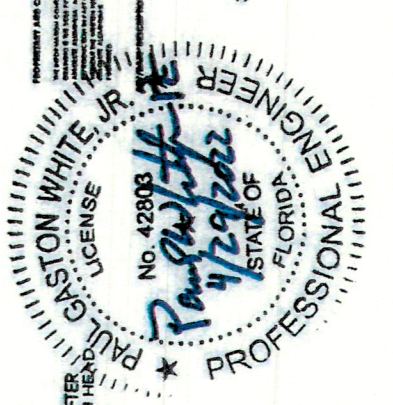
PROPERTY AND COPYRIGHT INFORMATION
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 CHECKED BY P. WHITE
 DATE 10/20/06
 TITLE GUTTER BEAM & TRAC / 8" S.M.B.
 SIZE DWG. NO. B 68008T
 SCALE 1:4

PROPERTY AND COPYRIGHT INFORMATION
 DRAWN BY JACOTT 10/20/06
 CHECKED BY P. WHITE
 DATE 10/20/06
 TITLE GUTTER BEAM & TRAC / 8" S.M.B.
 SIZE DWG. NO. B 68008T
 SCALE 1:4



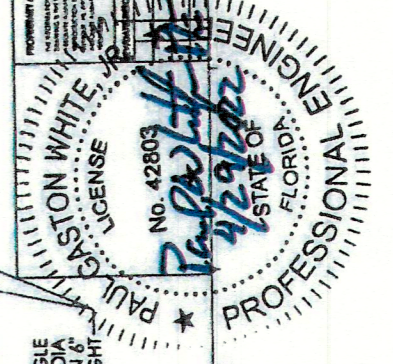
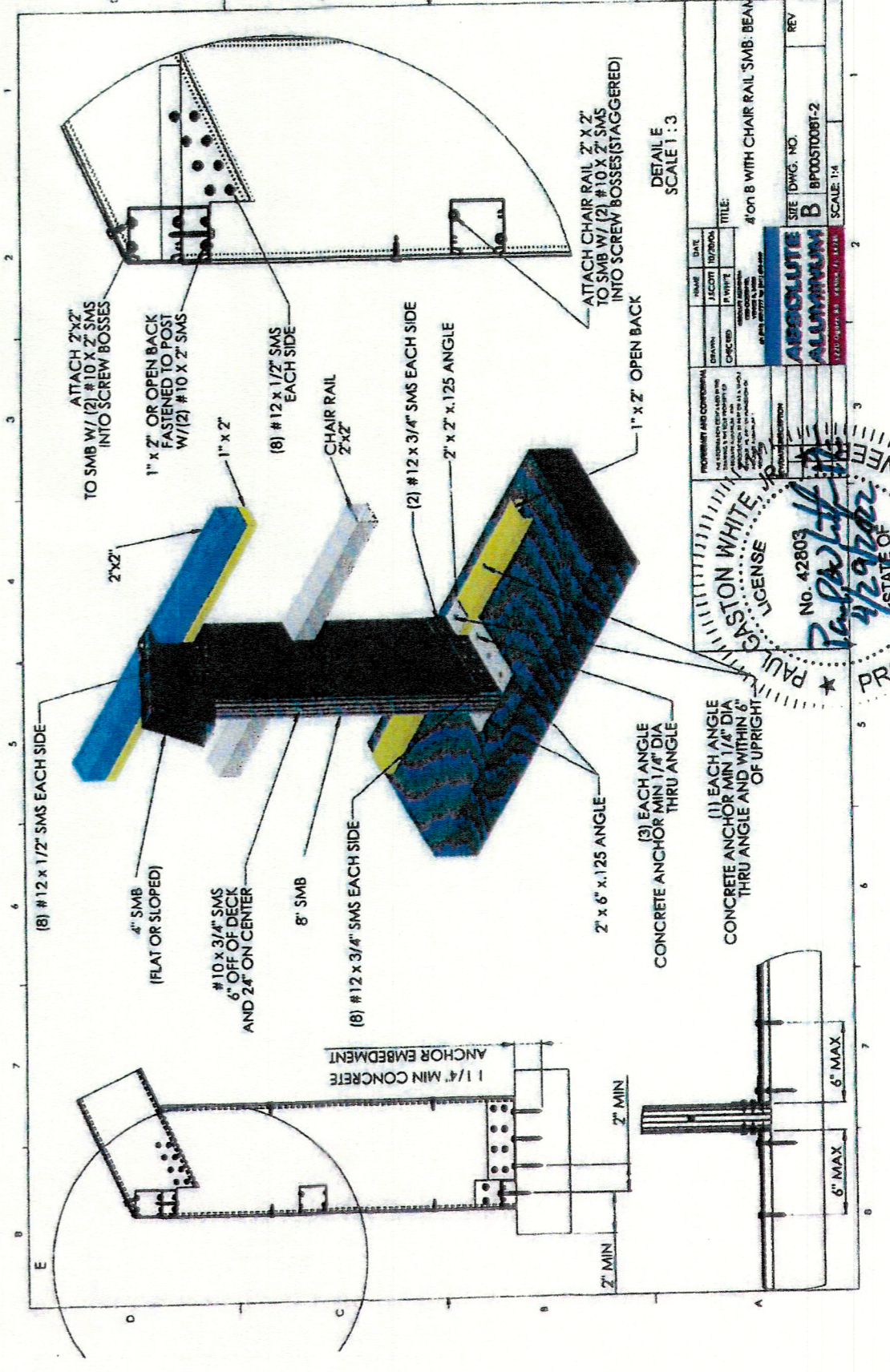
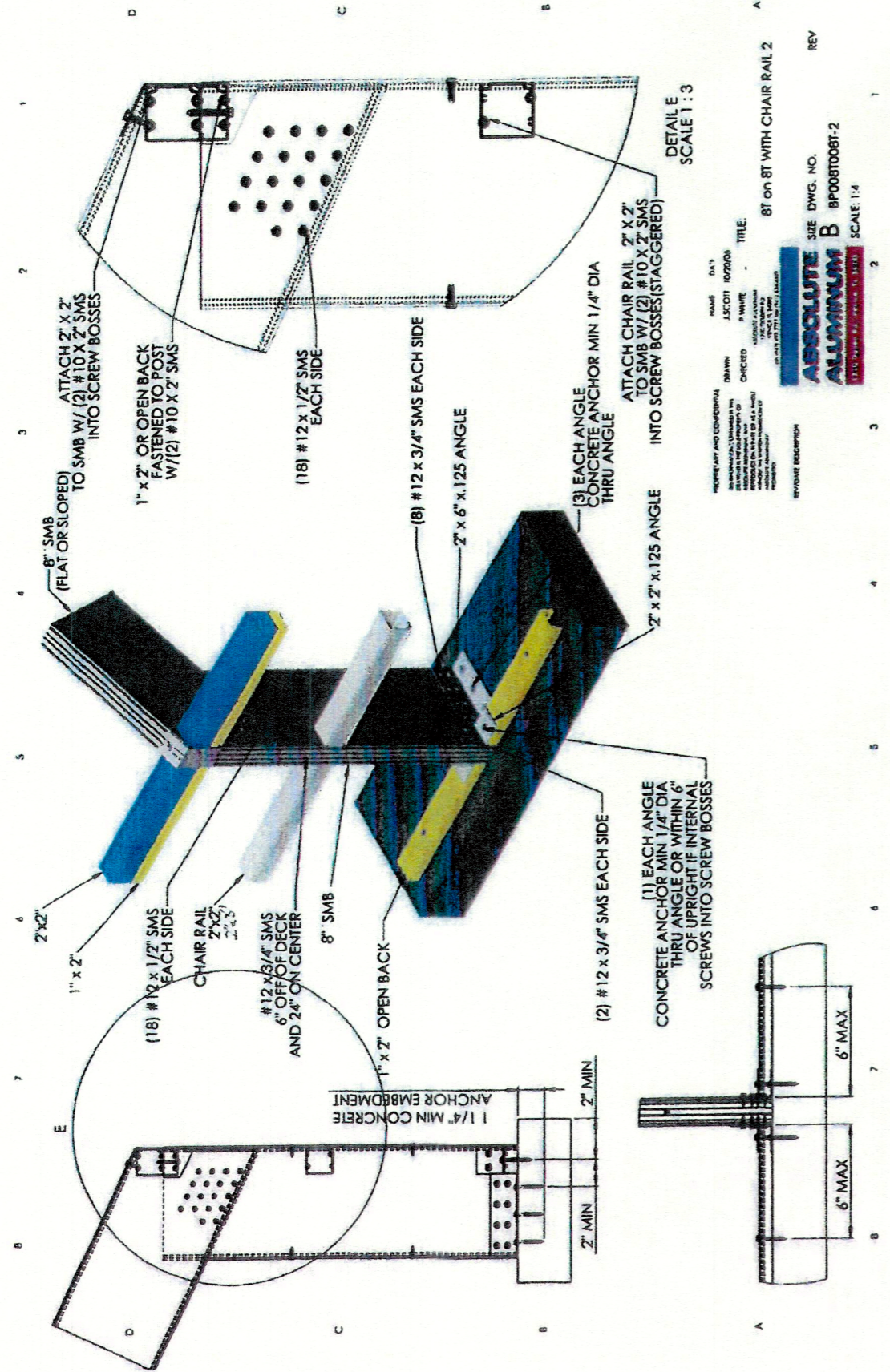
PROPERTY AND COPYRIGHT INFORMATION
 DRAWN BY JACOTT 10/20/06
 CHECKED BY P. WHITE
 DATE 10/20/06
 TITLE GUTTER BEAM 4 INCH
 SIZE DWG. NO. B 68004
 SCALE 1:4

PROPERTY AND COPYRIGHT INFORMATION
 DRAWN BY JACOTT 10/20/06
 CHECKED BY P. WHITE
 DATE 10/20/06
 TITLE GUTTER BEAM 4 INCH
 SIZE DWG. NO. B 68004
 SCALE 1:4

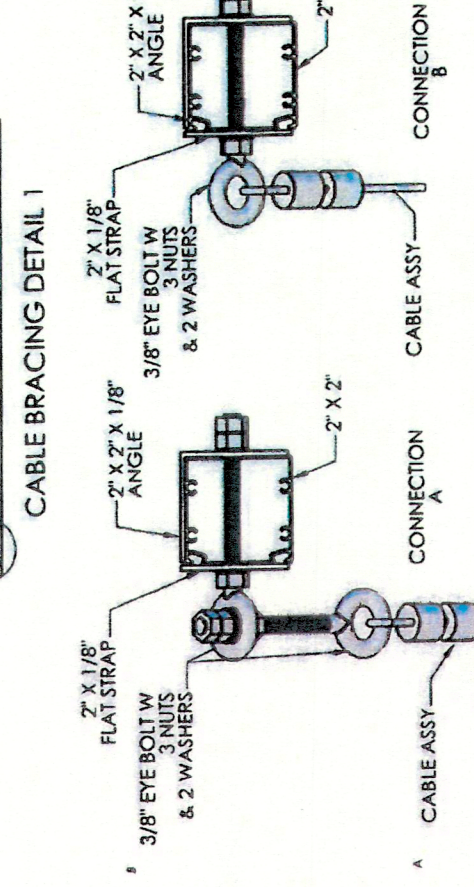
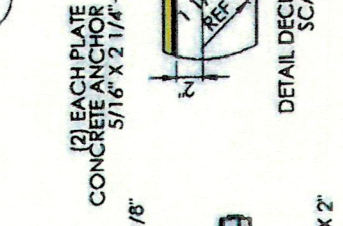
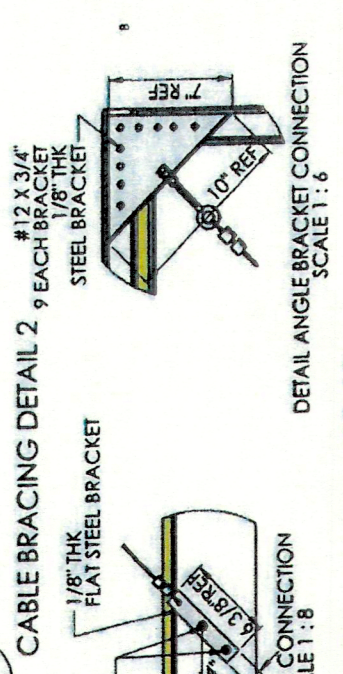
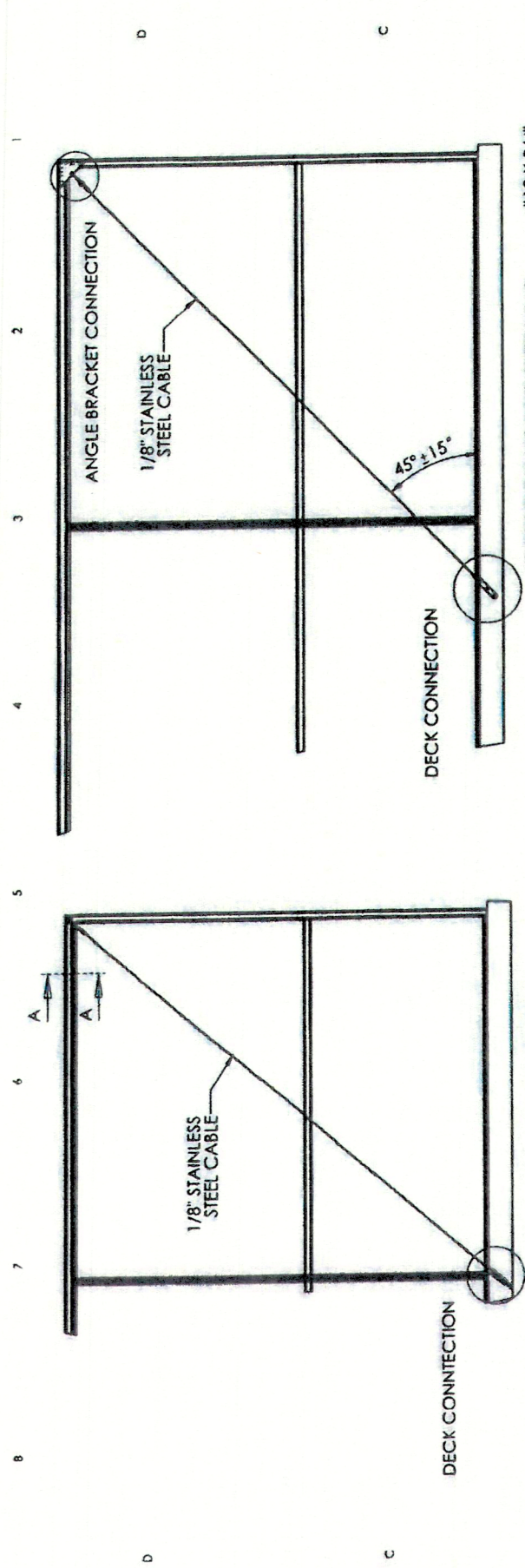


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Planning, Zoning & Building



PROPERTY AND COMPANY INFORMATION

NAME: DATE: 1/20/2013 10/20/08

DRAWN: JSCOTT 10/20/08

CHECKED: P. WHITE

SCALE: 1:200

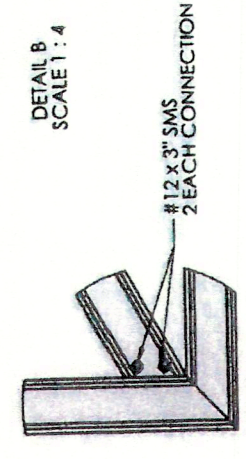
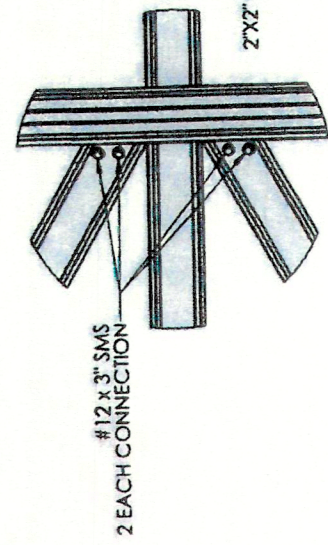
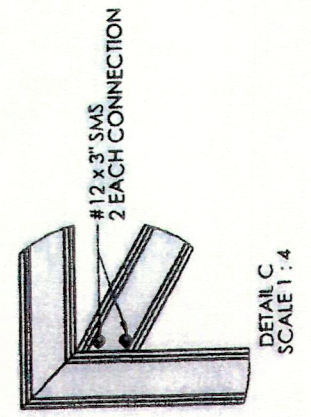
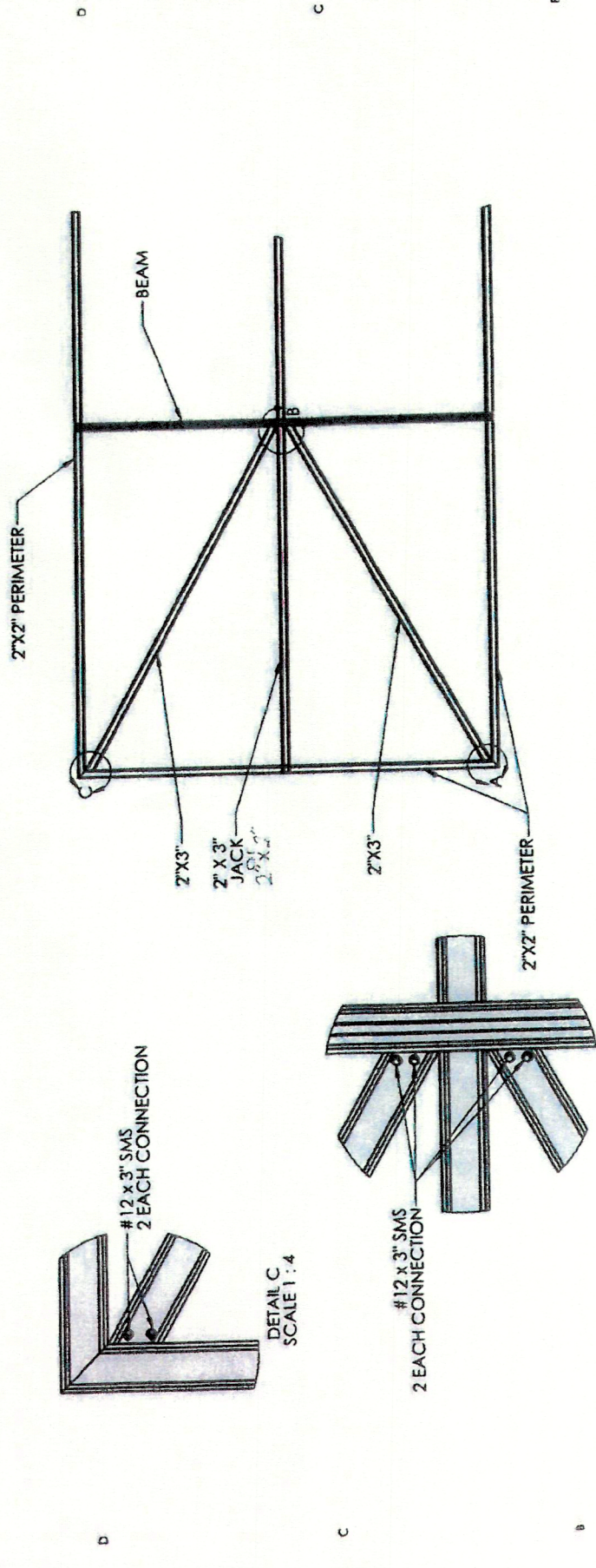
REV

BRACING DETAILS CABLES

ABSOLUTE SIZE DWG. NO. BDC001

ALUMINUM B

SCALE: 1:200



PROPERTY AND COMPANY INFORMATION

NAME: DATE: JSCOTT 10/20/08

DRAWN: P. WHITE

CHECKED: P. WHITE

SCALE: 1:200

REV

TOP BRACING DETAILS

ABSOLUTE SIZE DWG. NO. TB0001

ALUMINUM B

SCALE: 1:200

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JAN 18 2013

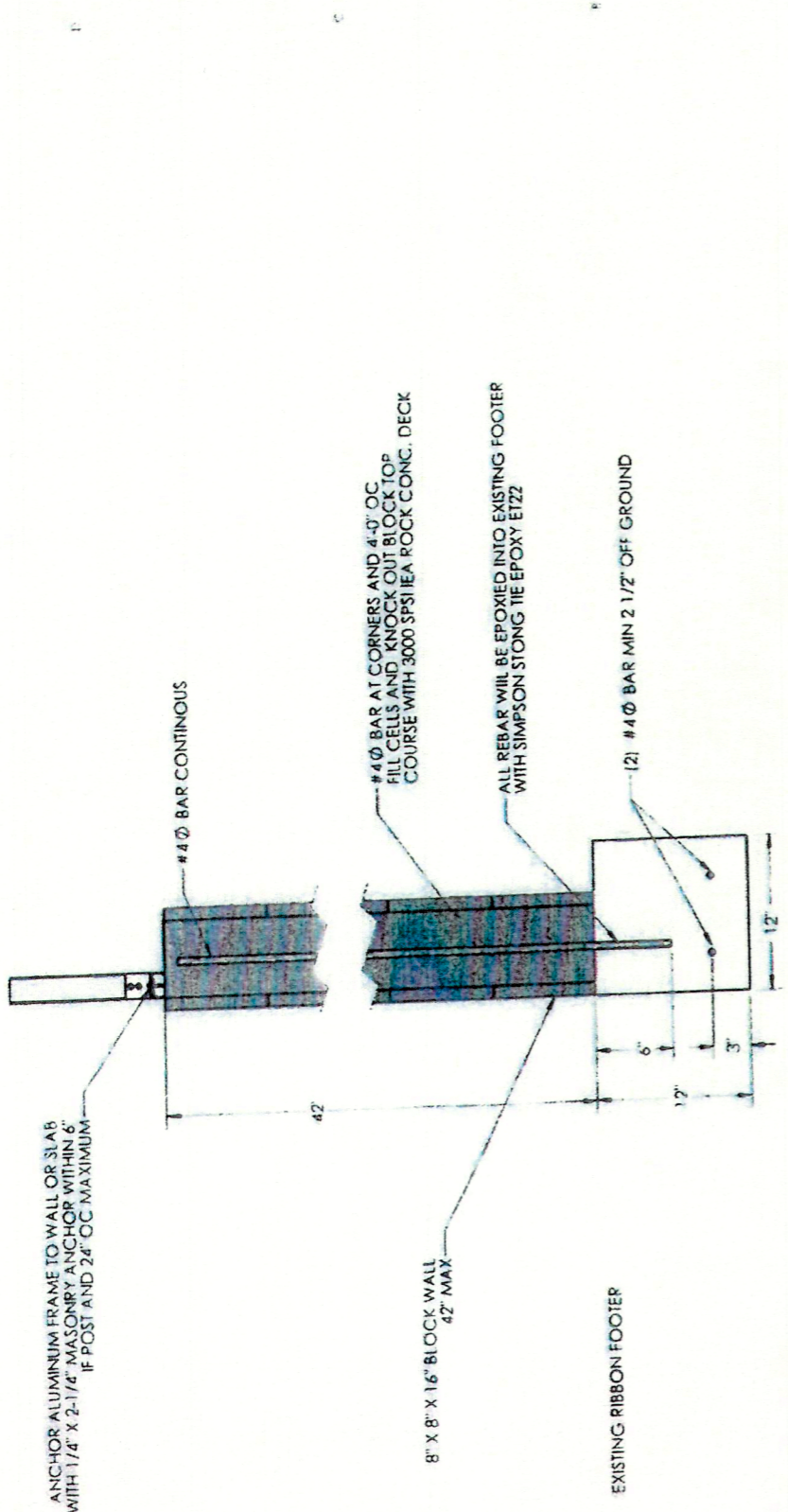
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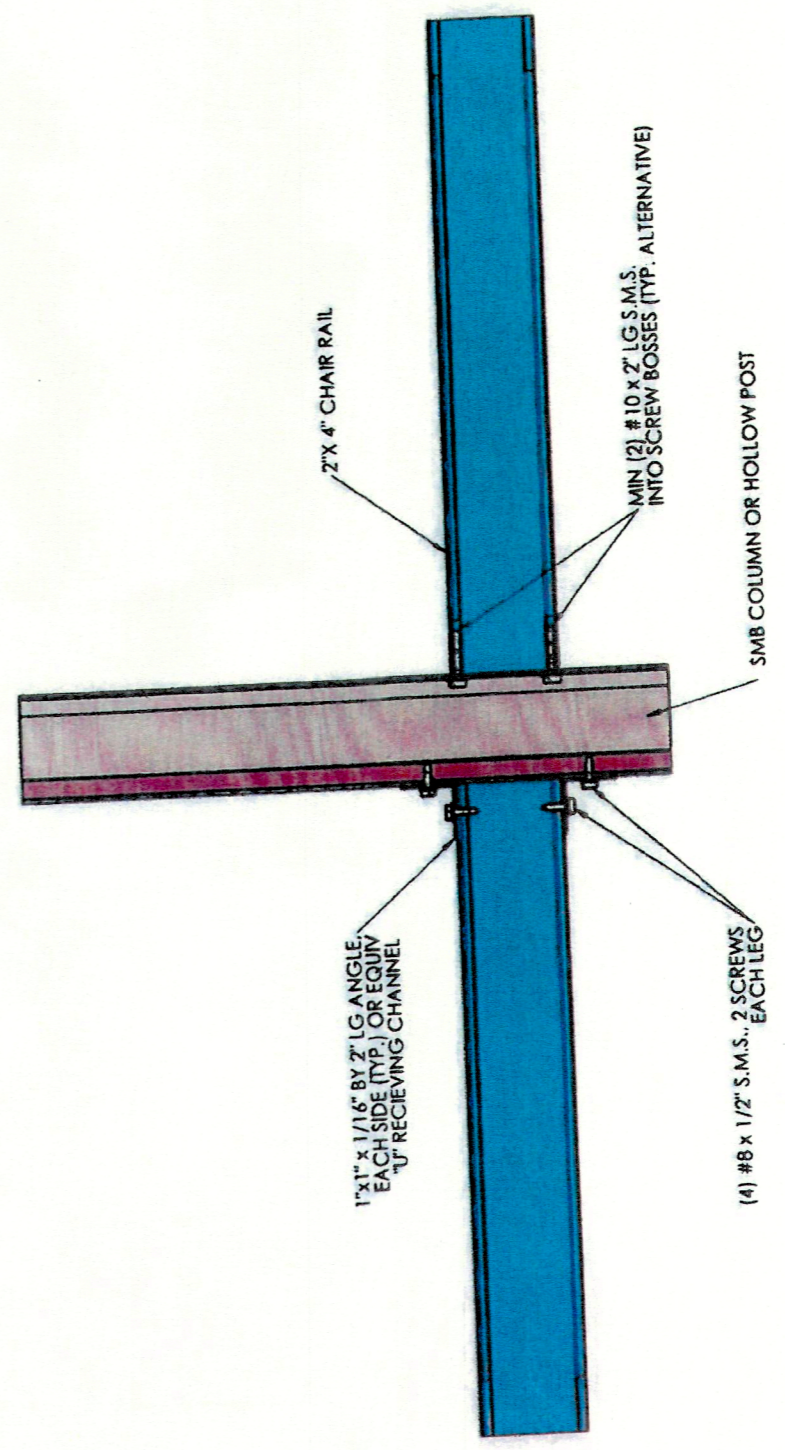
5/10



PROFESSIONAL AND COMMERCIAL
 NAME: PAUL GASTON WHITE JR.
 LICENSE NO.: 42893
 EXPIRES: 12/31/2023
 TITLE: PROFESSIONAL ENGINEER
 STATE: FLORIDA

REVISE DISCUSSION
 ABSOLUTE ALUMINUM
 SIZE DWG. NO. B KW0012
 SCALE: 1/20
 SHEET 1 OF 1

NOTES:
 Existing Knee wall
 LOCAL CODE FOOTING REQUIREMENTS SHALL BE USED IN OF THE MINIMUM FOOTING SHOWN.
 ALL MASONRY KNEE WALLS SHALL HAVE A FILLED CELL AND VERTICAL BAR @ ALL CORNERS



PROFESSIONAL ENGINEER
 PAUL GASTON WHITE JR.
 LICENSE NO. 42893
 EXPIRES 12/31/2023
 STATE OF FLORIDA

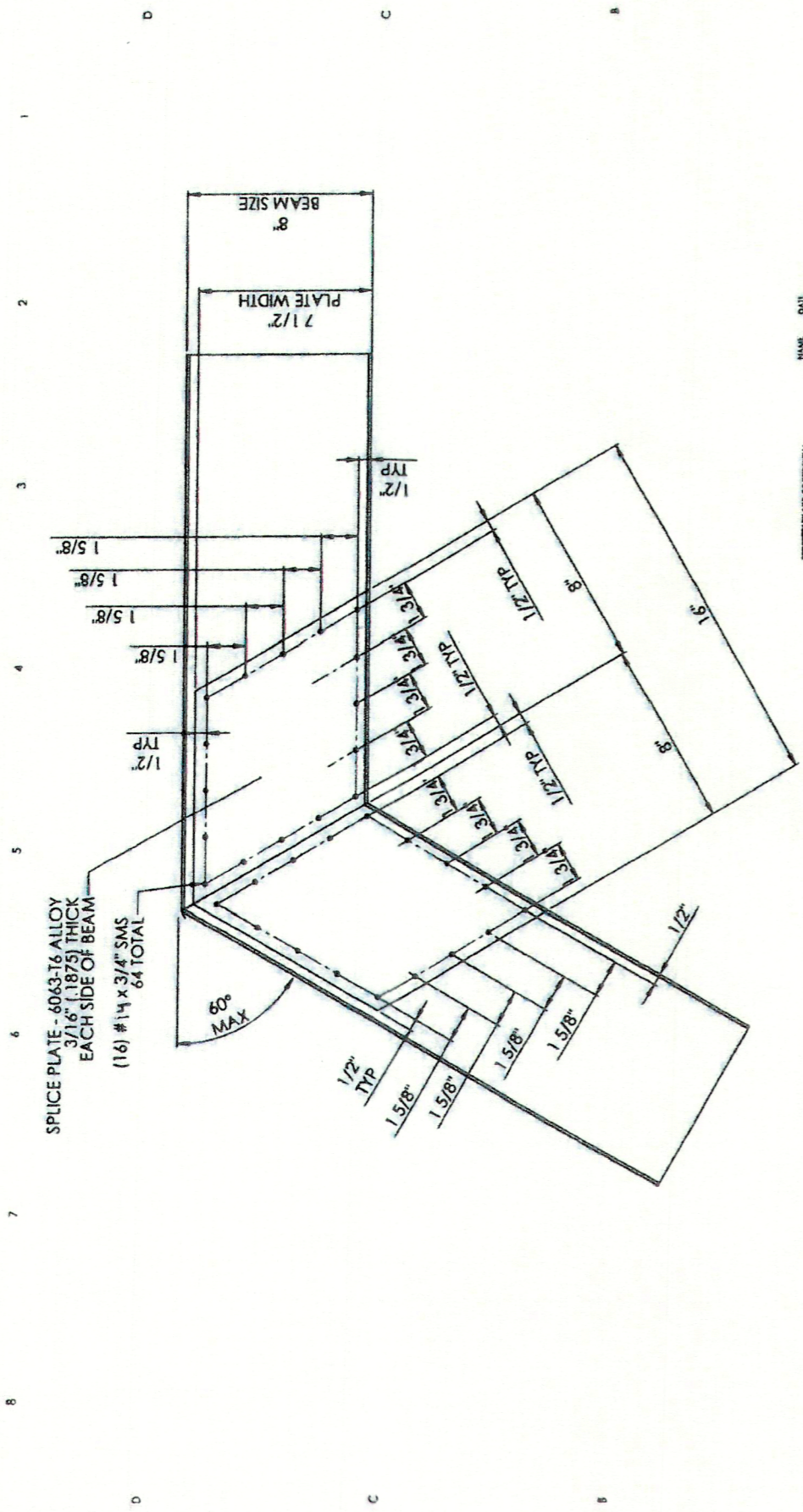
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6/10

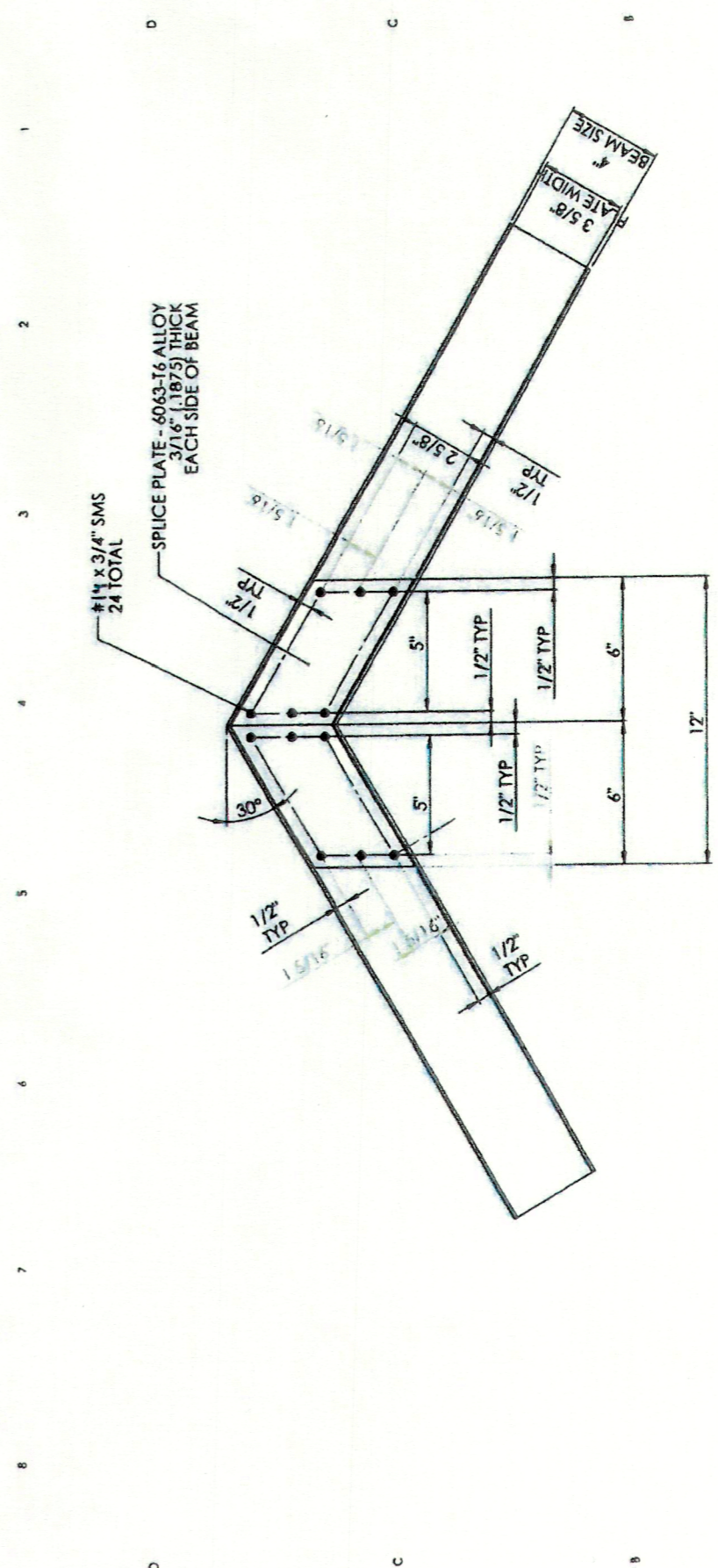
PROFESSIONAL AND COMMERCIAL
 NAME: PAUL GASTON WHITE JR.
 LICENSE NO.: 42893
 EXPIRES: 12/31/2023
 TITLE: PROFESSIONAL ENGINEER
 STATE: FLORIDA

ABSOLUTE ALUMINUM
 SIZE DWG. NO. B CP004
 SCALE: 1/2
 SHEET 1 OF 1



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NAME DATE
 J SCOTT 10/20/06
 DRAWN CHECKED
 J SCOTT J SCOTT
 TITLE: 8 INCH MANSARD BEAM
 ABSOLUTE ALUMINUM B M008
 SCALE: 1/4"
 SHEET 1 OF 1



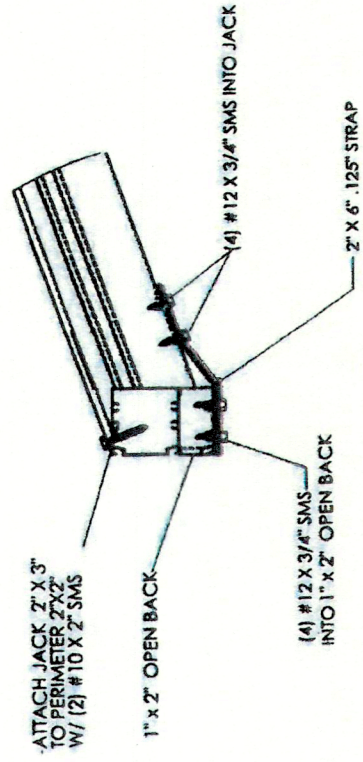
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NAME DATE
 J SCOTT 10/20/06
 DRAWN CHECKED
 J SCOTT J SCOTT
 TITLE: 4 INCH HIP BEAM
 ABSOLUTE ALUMINUM B M008
 SCALE: 1/4"
 SHEET 1 OF 1



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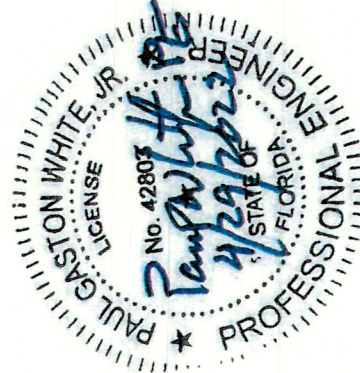
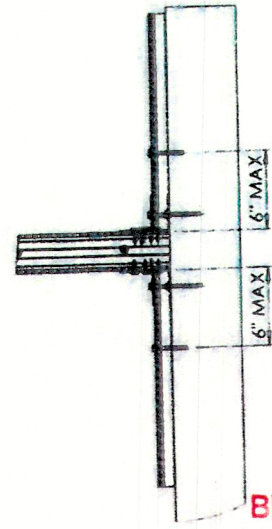
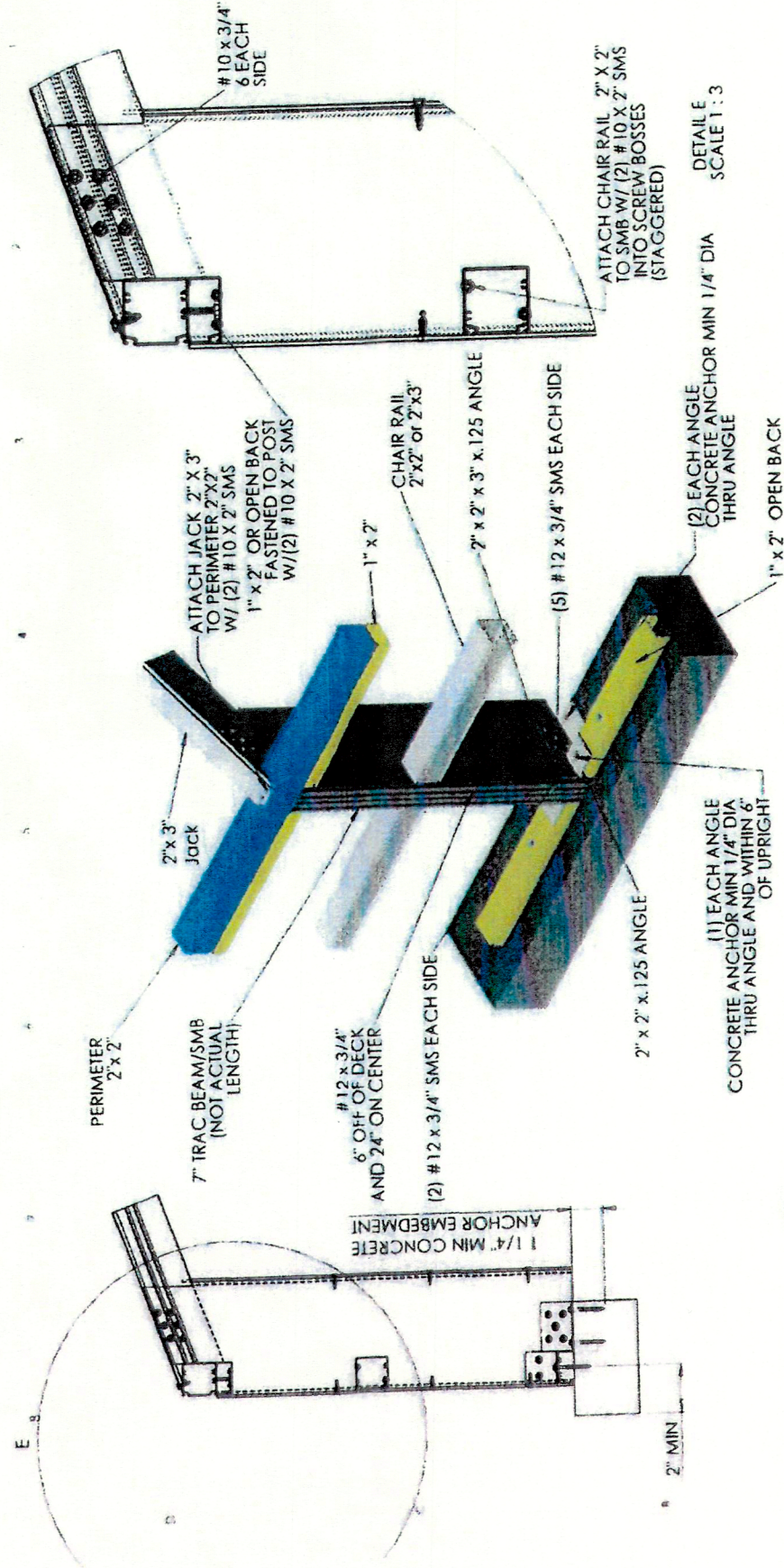
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES	CHECKED		
TOLERANCES:	ENG APPR.		
FRACTIONALS:	MFG APPR.		
ANGULAR: MACHS:	G.A.		
TWO PLACE DECIMAL			
THREE PLACE DECIMAL			
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<p>INTERPRET GEOMETRIC TOLERANCING PER:</p> <p>MATERIAL:</p> <p>FINISH:</p>		<p>Absolute Aluminum, Inc. 1220 Ogden Rd. Venice, FL 34285 Ph: 941-497-7777 Fax: 941-441-1001</p>	
DO NOT SCALE DRAWING			

ALT JACK NO POST

ABSOLUTITE
ALUMINIUM



ABSOLUTE ALUMINIUM B JP007-TRAC-2ALT

SCALE: 1/4"

7 POST JACK TRAC ALT

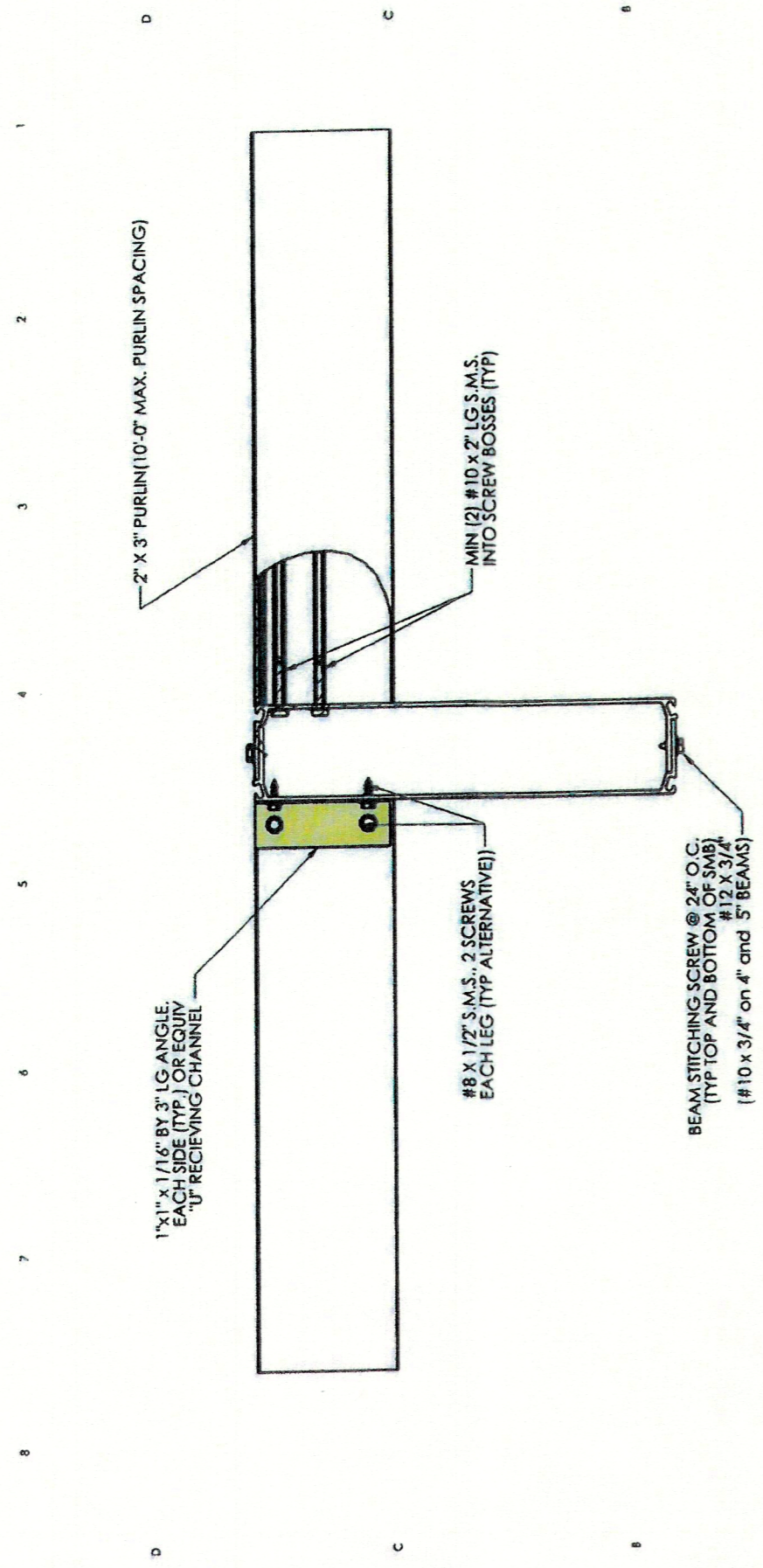
REV

SHEET 1 OF

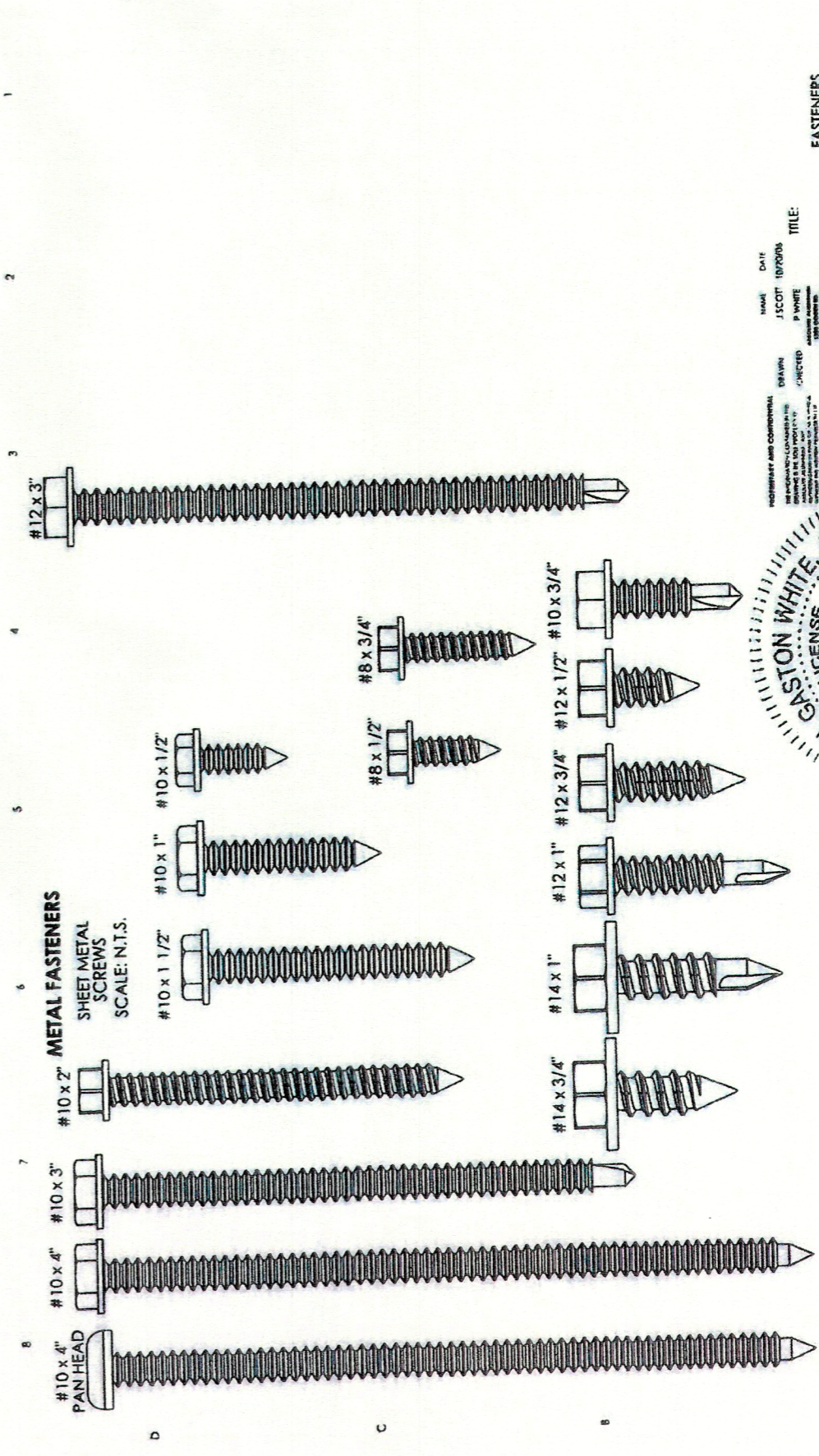
TOWN OF LONGBOAT KEY
Planning, Zoning & Building

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FILE COPY OF RECORD

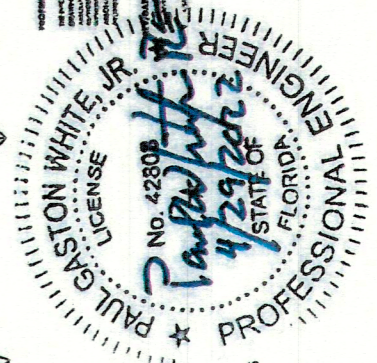
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 PROJECT: 1072006
 NAME: JSCOTT 1072006
 DATE: P. WHITE
 TITLE: 3 INCH PURLIN BEAM
 REV: SCALE: 1:2
 SHEET 1 OF 1



NOTES:
 ALTERNATE FASTENERS CAN BE USED AS SHOWN IN THE DETAILS HEREIN AND MUST MEET OR EXCEED THE SAFE WORKING LOAD VALUES SPECIFIED BY THE MANUFACTURER, AND SHALL BE APPROVED BY THE BUILDING OFFICIAL.
 FASTENERS USED FOR JOINING ALUMINUM FRAMING TO BE SAME GRADE 5 STEEL FASTENERS (AS RECOMMENDED BY MANUFACTURER).



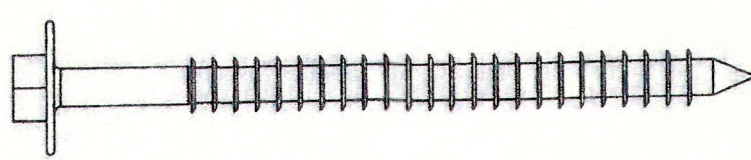
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 JAN 18 2023
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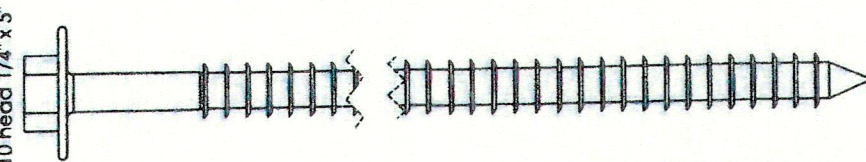
9/10

CONCRETE AND MASONRY ANCHORS

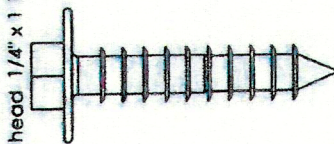
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CONCRETE
SCREW
ANCHOR
#10 head 1/4" x 3 1/4"



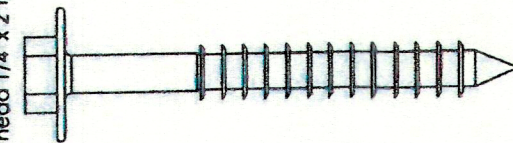
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CONCRETE
SCREW
ANCHOR
#10 head 1/4" x 5"



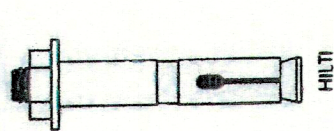
SCOTS TAPCON
CONCRETE
SCREW
ANCHOR
#10 head 1/4" x 1 1/2"



SCOTS TAPCON
CONCRETE
SCREW
ANCHOR
#10 head 1/4" x 2 1/2"



SLEEVE ANCHOR
5/16" X 2 1/4"



SCALE: N.T.S.

DRAWN: JSCOTT 10/2006
 CHECKED: P. WHITE
 TITLE: FASTENERS
 REV B
 SIZE DWG. NO. B F01
 SCALE: 2:1
ABSOLUTE ALUMINUM
 1770 DUNN RD. VENICE, FL 33596



Paul G. White, Jr., P.E.
 FL PE# 42803
 Absolute Aluminum
 1220 Ogden Road
 Venice, FL 34285
 Office: (941) 497-7777

JOB ADDRESS:
 Name: Irey Tally
 Address: 525 Reclinator Dr.
 City: L.B.K. 34238
 Job #: 89787-12

Absolute Aluminum
 1220 Ogden Road
 Venice, FL 34285
 Office: (941) 497-7777
 FAX: (941) 497-1372
 FL CA# 27320

ENGINEERING NOTES AND SPECIFICATIONS

- The extrusions, shown in these drawings, are designed to conform to AA ASM 35 and *Specifications for Aluminum Structures, Aluminum Design Manual*, part 1-A and 1-B, published by the Aluminum Association (Washington, D.C.), and the AAF Guide to Aluminum Construction in high-Wind Areas, current edition.
- Actual wall thickness of extruded aluminum members shall be not less than 0.040 inch (1mm).
- All engineering is based on allowable stress design with no allowable stress increase for load duration.
- This structure is designed to be attached to block and wood frame structures of adequate structural capacity. Existing structural element stresses are not increased by more than 5% by addition of gravity loads. Absolute Aluminum has verified that the host structure is in good condition and of sufficient strength to support the proposed addition.
- Structure is designed to meet the 2020 Florida Building Code.
- Project is sited where wind speed is 160 MPH, Exposure D, risk category I (FBC Table 1604.5).

Design Wind Pressures for 160 MPH Category D Exposure:

Horizontal Pressure on Windward Surfaces:	58 psf
Horizontal Pressures on Leeward Surfaces:	46 psf
Vertical Pressure - Screen Surfaces:	16 psf
Vertical Pressure - Solid Surfaces:	48 psf

- Design wind pressures are from 2020 FBC per table 2002.4. Pressures are based on wind tunnel testing with main wind force resisting system coefficient, GCp, of +/- 0.25 for screen roof and 0.7-1.25 for walls
- All fasteners shall be tight, not stripped or broken.
- Self-mating beams (overlapping flanges) shall be "stitched" at 24" O.C. top and bottom with minimum #10 SMS for beams less than 9" depth, and #12 SMS for 9" and 10" depth sections.
- Doors may be field-located and are incidental to design except that no regularly spaced column (column connecting to a beam or purlin module) may be re-located, and door posts must be of equal structural capacity as those adjacent unless noted otherwise.
- Absolute's construction crews shall field-verify all dimensions before construction and shall notify Absolute's design team of all discrepancies.
- If a kick plate is installed above or below intermediate girts, it must be fastened 2" from corners, and 16" o/c max in the field, both directions. Kick plate must be min .024" gauge.
- Extensions to existing screen enclosure(s) have been evaluated and calculations completed, prior to designs of new proposed work. The proposed new addition shall be designed as to not increase the loads on existing structures to the point of exceeding current building code standards.
- Maximum screen density shall be 20x20 mesh with a maximum thread diameter of 0.013", or in the case of Pfifer Glassshield, screen density shall be 18x14.
- Aluminum alloy for all members shall be 6005-T5 alloy unless otherwise noted.
- Concrete shall be a minimum of 2,500psi compressive capacity at 28 days. Steel reinforcement shall have a minimum tensile yield of 40ksi (grade 40).
- All concrete anchors shall be Scots Tapcon concrete screw anchors, Hilti sleeve anchors, or approved equal. Size and type of concrete anchor shall be specified on detail sheets.
- Foundations shown are based on a minimum soil bearing pressure of 1,500 psf. Soil bearing capacity of 1,500 psf shall be verified prior to placement of the slab.
- If a new concrete slab, or footing, is placed as an addition to an existing concrete slab, the two slabs, or slab/footing, shall be joined using #3 rebar, placed 30" on center, mid-depth. The rebar shall be embedded in the existing slab a minimum of 7", using 150 epoxy or equal approved, leaving 6" exposed to be incorporated in the new slab or footing.

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