DATE 04/12/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000024382

APPLICANT CHARESE NORTON PHONE 752-3331

ADDRESS 3367 S US HWY 441, SUITE 101 LAKE CITY FL 32025

OWNER LARRY & LASHAUN PERRY PHONE 752-0121

ADDRESS 4180 S US HWY 441 LAKE CITY FL 32025

CONTRACTOR JAMES NORTON PHONE 752-3331

LOCATION OF PROPERTY 441 S, JUST PAST ACTION SIGNS & GRAPHICS

TYPE DEVELOPMENT SIGN BUSINESS ESTIMATED COST OF CONSTRUCTION 70000.00

HEATED FLOOR AREA 1000.00 TOTAL AREA 1000.00 HEIGHT 18.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 1/12 FLOOR SLAB

LAND USE & ZONING CG MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 20.00 REAR 15.00 SIDE 5.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 17-4S-17-08583-010 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 1.78

		RB0031780	Charese L. Norton	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
EXISTING	06-0220-N	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE, APPROVED PERMIT FROM DOT, SDP 05-5

ONE FOOT ABOVE THE ROAD

Check # or Cash 21539

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by

Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by

Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by

Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by

Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by

M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by

Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by

M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE $ 350.00 CERTIFICATION FEE $ 5.00 SURCHARGE FEE $ 5.00

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 435.00

INSPECTORS OFFICE L. H CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

BK 0853 PG 2091

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

OFFICIAL RECORDS

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL

98-02674

1998 FEB 20 PM 4:12

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

CLERK COURTS
COLUMBIA COUNTY, FLORIDA
BY _____ D.C.

Grantee #1 S.S. No. 592-14-8325

Grantee #2 S.S. No. 593-52-0677

Documentary Stamps $ 261.80
Intangible Tax $ -0-
P. DeWitt Cason
Clerk of Court
By _____ D.C.

Property Appraiser's
Parcel Identification No.
17-4S-17-08418-000

WARRANTY DEED

THIS INDENTURE, made this 20th day of February 1998, between SOUTHLAND AUCTION, INC., a corporation existing under the laws of the State of Florida, whose post office address is Post Office Box 895, Lake City, Florida 32056-0895, and having its principal place of business in the County of Columbia, State of Florida, party of the first part, and LARRY E. PERRY, JR. and his wife, LASHAUN PERRY, whose post office address is Route 6, Box 436-G, Lake City, Florida 32025, of the County of Columbia, State of Florida, parties of the second part, WITNESSETH: that the said party of the first part, for and in consideration of the sum of Ten Dollars ($10.00), to it in hand paid, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, remised, released, conveyed and confirmed, and by these presents doth grant, bargain, sell, alien, remise, release, convey and confirm unto the said parties of the second part, and their heirs and assigns forever, all that certain parcel of land lying and being in the County of Columbia and State of Florida, more particularly described as follows:

A part of the S 1/4 of Section 17 and the N 1/4 of Section 20, Township 4 South, Range 17 East, being more particularly described as follows: Begin at the intersection of the South line of said Section 17 and the West right-of-way of U.S. Highway #441, said point being on a curve of a curve to the right having a radius of 5629.65 feet, a central angle of 00°46'02", a tangent length of 37.69 feet, a chord bearing of S 35°45'43"E and a chord length of 75.38 feet; thence along the arc of said curve, an arc length of 75.38 feet to the end of said curve; thence S 62°16'41"W a distance of 311.20 feet; thence N 67°23'46"W a distance of 133.50 feet; thence N 77°54'12"W a distance of 165.81 feet; thence N 64°19'23"E a distance of 495.99 feet to said West right-of-way; thence S 36°17'58"E a distance of 102.59 feet to the Point of Curvature of a curve to the right, having a

radius of 5629.65 feet, a central angle of 00°09'21", a tangent length of 7.66 feet, a chord bearing of S 36°13'25"E and a chord length of 15.32 feet; thence along the arc of said curve, an arc length of 15.32 feet to the POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA.

OR 0853 PG 2092
OFFICIAL RECORDS

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

TOGETHER with all the tenements, hereditaments and appurtenances, with every privilege, right, title, interest and estate, reversion, remainder and easement thereto belong or in anywise appertaining.

TO HAVE AND TO HOLD the same in fee simple forever.

And the said party of the first part doth covenant with said parties of the second part that it is lawfully seized of said premises; that they are free of all encumbrances, and that it has good right and lawful authority to sell the same; and the said party of the first part does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, the party of the first part has caused these presents to be signed in its name by its President, and its corporate seal to be affixed the day and year above written.

Signed, sealed and delivered in our presence:

SOUTHLAND AUCTION, INC.

(First Witness)
Terry McDavid
Printed Name

By: _____
J. P. Berry, Sr., President

(CORPORATE SEAL)

Myrtle Ann McElroy
(Second Witness)
Myrtle Ann McElroy
Printed Name

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 20th day of February 1998, by J. P. BERRY, SR., President of SOUTHLAND AUCTION, INC., a Florida corporation, on behalf of said corporation. He is personally known to me and did not take an oath.

Myrtle Ann McElroy
Notary Public
My Commission Expires: _____

MYRTLE ANN MCELROY
MY COMMISSION # CC 414923
EXPIRES: February 12, 1999
Bonded Thru Notary Public Underwriters

Columbia County Building Permit Application

clr# 21539 Revised 9-23-04

For Office Use Only Application # 0603-84 Date Received 3/23 By JW Permit # 24382

Application Approved by - Zoning Official BLK Date 04.04.06 Plans Examiner OK JTH Date 4-12-06

Flood Zone X Development Permit N/A Zoning CG Land Use Plan Map Category COMMERCIAL

Comments SDP 05-5

~~DOT~~ Dot Approved permit received

Applicants Name CHARESE NORTON/NORTON HOME IMPROVEMENT Phone 386-752-3331

Address 3367 S US HWY 441, Ste 101, Lake City, FL 32025

Owners Name LARRY & LASHAUN PERRY Phone 386-752-0121

911 Address 4180 S US HWY 441, Lake City, FL 32025

Contractors Name JAMES H. NORTON Phone 386-752-3331

Address 3367 S US HWY 441, Ste 101, Lake City, FL 32025

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address GTC Design Group PO BOX 187 Live Oak FL 32064

Mortgage Lenders Name & Address NA

Circle the correct power company - FL Power & Light - (Clay Elec.) - Suwannee Valley Elec. - Progressive Energy

Property ID Number 20-4S-17-08583-010 Estimated Cost of Construction 70,000.00

Subdivision Name NA Lot — Block — Unit — Phase —

Driving Directions 441 South ~ 3/4 mile past CHS on HWY 441 just past Action Signs & Graphics

Type of Construction Commercial - Sign Business Number of Existing Dwellings on Property 0

Total Acreage 1.78 Lot Size — Do you need a - Culvert Permit or Culvert Waiver or Have an Existing

Actual Distance of Structure from Property Lines - Front 70 Side 30 Side 75 Rear 125

Total Building Height 18' Number of Stories 1 Heated Floor Area 1000 SF Roof Pitch 1/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

James H Norton

Owner Builder or Agent (Including Contractor)

James H Norton

Contractor Signature

Contractors License Number RB0031780

Competency Card Number 5553

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 22 day of Mar 20 06

Patricia T Peeler My Commission DD129966 Expires September 05, 2006

Personally known ___ or Produced Identification ___

Patricia T Peeler

Notary Signature

Should
be
parcel
#

20-45-17-
08583-010
see appl.
afs
5-13-09

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 20-4S-17-08583-010 PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)
Begin Inters of W R/W US-441 & N Line of Sec. Run SE Along R/W 75.38 Ft. SW 311.20 Ft

Inst:2006007139 Date:03/22/2006 Time:13:03
DC,P.DeWitt Cason,Columbia County B:1078 P:579

2. General description of improvement: New Steel Commercial Building

3. Owner Name & Address Larry E Perry Jr & LaShaun F. Perry, 796 SE CR 252, Lake City, FL 32055 Interest in Property Own 100%

4. Name & Address of Fee Simple Owner (if other than owner): NA

5. Contractor Name James H. Norton Phone Number 386-752-3331
Address 3367 S US Hwy 441, Suite 101, Lake City, FL 32025

6. Surety Holders Name NA Phone Number _____
Address _____
Amount of Bond _____

7. Lender Name NA Phone Number _____
Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name NA Phone Number _____
Address _____

9. In addition to himself/herself the owner designates NA of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –
(a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Signature of Owner
LaShaun F. Perry

Sworn to (or affirmed) and subscribed before day of March 22, 2006

NOTARY STAMP/SEAL

Patricia T Peeler
My Commission DD129966
Expires September 05, 2006

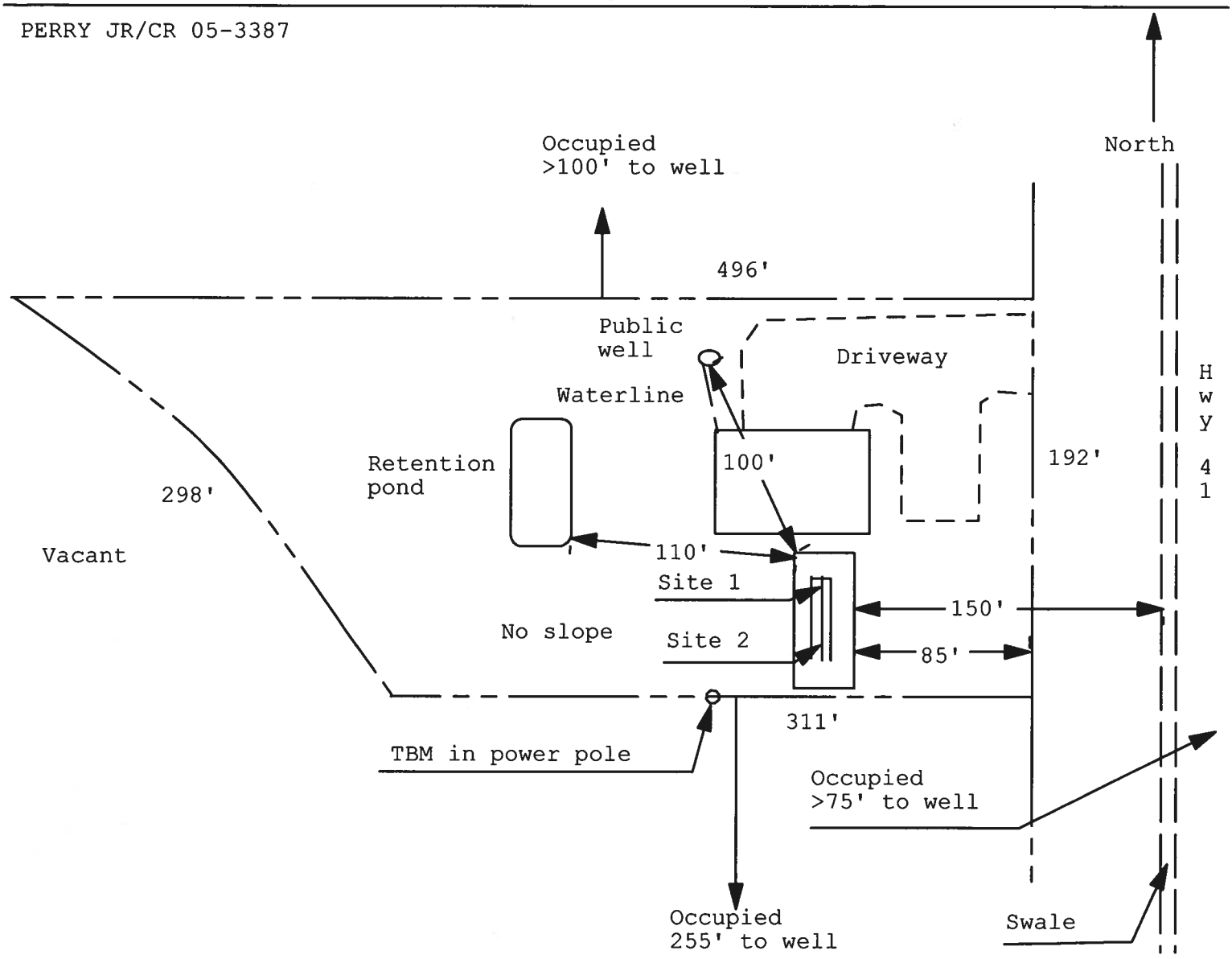
Patricia T Peeler
Signature of Notary

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0220N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

PERRY JR/CR 05-3387



1 inch = 75 feet

Site Plan Submitted By Paul Lloyd **Date** 2/27/06

Plan Approved ✓ **Not Approved** ____ **Date** 3/15/06

By Mr A Jr Columbia **CPHU**

Notes: ____

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22 FORM 400A-2001

Whole Building Performance Method for Commercial Buildings

Jurisdiction: LAKE CITY, COLUMBIA COUNTY, FL (221200)

Short Desc: Building
Owner:
Address:

Project: Action Sign and Graphics

City: Lake City
State: Florida
Zip: 32060

PermitNo: 0
Storeys: 1

Type: Office (Business)
Class: New Finished building

GrossArea: 1000
Net Area: 1000

Max Tonnage: 5 (if different, write in)

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Use	80.26	100.00	**PASSES**
Other Envelope Requirements - A			**PASSES**
LIGHTING CONTROLS			**PASSES**
EXTERNAL LIGHTING			**PASSES**
HVAC SYSTEM			**PASSES**
PLANT			**PASSES**
WATER HEATING SYSTEMS			**PASSES**
PIPING SYSTEMS			**PASSES**
Met all required compliance from Check List?			**Yes/No/NA**

IMPORTANT NOTE: An input report Print-Out from EnergyGauge FlaCom of this design building must be submitted along with this Compliance Report.

Project: Building
Title: Action Sign and Graphics
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONVILL

Whole Building Compliance

	Design	Reference
Total	*80.26*	*100.00*
ELECTRICITY	80.26	100.00
AREA LIGHTS	4.64	21.19
MISC EQUIPMT	8.74	8.74
PUMPS & MISC	0.26	0.26
SPACE COOL	19.07	22.25
VENT FANS	47.55	47.55

Credits & Penalties (if any): Modified Points: = 80.27 | **PASSES**

Project: Building
Title: Action Sign and Graphics
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONVILL

Other Envelope Requirements

Item	Zone	Description	Design	Limit	Meet Req.
Pr0Zo1Rf1	Pr0Zo1	Exterior Roof - Max Uo Limit	0.05	0.09	Yes

Meets Other Envelope Requirements

Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance

None

Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance

None

Piping System Compliance

Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	Compliance

None

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22

INPUT DATA REPORT

Project Information

Project Name: Building

Project Title: Action Sign and Graphics

Address:

State: Florida

Zip: 32060

Owner:

Orientation: North

Building Type: Office (Business)

uilding Classification: New Finished building

No.of Storeys: 1

GrossArea: 1000

Zones

No	Acronym	Description	Type	Load Profile	Area [sf]	Multiplier	Total Area [sf]	
1	Pr0Zo1	Zone 1	CONDITIONED	Uses Building Load Profile	1000.0	1	1000.0	☐

4	Pr0Zo1Wa4	Partition wall, 0.75 in. gyp, airspace, 0.75 in. g	22.00	10.00	1	220.0	West	0.1158	3.0659	36.79	8.63	☐

Windows

No	Description	Type	Shaded	UCen [Btu/hr sf F]	SC	Vis.Tr	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]	
In Zone: Pr0Zo1											
In Wall: Pr0Zo1Wa1											
1	Pr0Zo1Wa1Wi1	SINGLE CLEAR	No	1.0018	0.95	0.88	3.00	4.00	1	12.0	☐
In Wall: Pr0Zo1Wa3											
1	Pr0Zo1Wa3Wi1	SINGLE CLEAR	No	1.0018	0.95	0.88	4.00	3.00	2	24.0	☐

Doors

No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. [lb/cf]	Heat Cap. [Btu/sf. F]	R-Value [h.sf.F/Btu]	
In Zone: Pr0Zo1												
In Wall: Pr0Zo1Wa1												
1	Pr0Zo1Wa1Dr1	Wood door, 2 in.	No	3.00	6.67	1	20.0	0.4192	37.00	2.41	2.39	☐
In Wall: Pr0Zo1Wa2												
1	Pr0Zo1Wa2Dr1	Aluminum door, 1.25 in. polystyrene	No	3.00	6.70	1	20.1	0.1919	43.67	0.53	5.21	☐
In Wall: Pr0Zo1Wa4												
1	Pr0Zo1Wa4Dr1	Aluminum door, 1.25 in. polystyrene	No	3.00	6.70	1	20.1	0.1919	43.67	0.53	5.21	☐

Roofs

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]
In Zone: Pr0Zo1											

Water Heaters

W-Heater Description	Capacit Cap.Unit	I/P Rt.	Efficienc	Loss

Ext-Lighting

Description	Categories.	Area/Len/No. of units [sf/ft/No]	Wattage [W]

Piping

No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?

Fenestration Used

Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SC	VLT	Frame Conductance [Btu/h.sf.F]	Frame Absorptance
ApLbWnd1	SINGLE CLEAR	1	1.0018	0.9500	0.8810	0.4340	0.7000

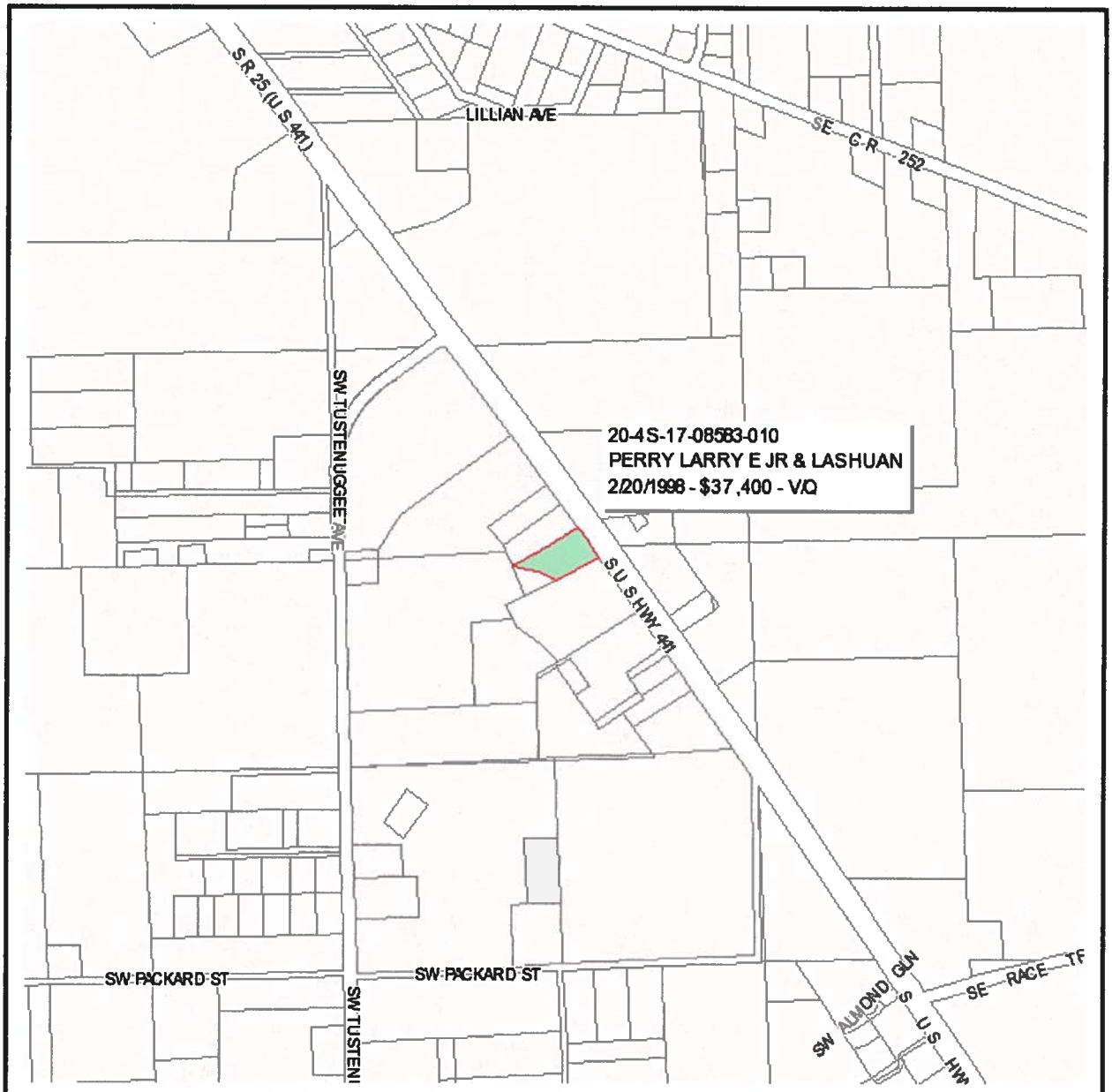
218	Matl218	POLYURETHANE,EXP.,1/2 IN,	No	3.2077	0.0417	0.0130	1.50	0.3800	☐
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	☐
4	Matl4	Steel siding	No	0.0002	0.0050	26.0000	480.00	0.1000	☐
271	Matl271	2x4@24" oc + R11 Batt	No	10.4179	0.2917	0.0280	7.11	0.2000	☐
272	Matl272	Panel with 7/16" panels	Yes	0.9044					☐
273	Matl273	Hollow core flush (1.375")	Yes	1.2777					☐
274	Matl274	Solid core flush (1.375")	Yes	1.7141					☐
275	Matl275	Panel with 7/16" panels (1.375")	Yes	1.0019					☐
276	Matl276	Hollow core flush (1.75")	Yes	1.3239					☐
277	Matl277	Panel with 1-1/8" panels (1.75")	Yes	1.7141					☐
278	Matl278.	Solid core flush (1.75")	Yes	1.6500					☐
279	Matl279	Solid core flush (2.25")	Yes	2.8537					☐
280	Matl280	Fiberglass/Mineral wool core	Yes	0.8167					☐
281	Matl281	Paper Honeycomb core	Yes	0.9357					☐
282	Matl282	Solid Urethane foam core	Yes	1.6500					☐
283	Matl283	Solid mineral fiberboard core	Yes	1.7816					☐
284	Matl284	Polystyrene core (18 ga steel) 1	Yes	2.0071					☐
285	Matl285	Polyurethane core (18 ga steel) 2	Yes	2.5983					☐
286	Matl286	Polyurethane core (24 ga steel) 1	Yes	2.5983					☐
287	Matl287	Polyurethane core (24 ga steel) 2	Yes	4.1500					☐
288	Matl288	Solid Urethane foam core	Yes	4.1500					☐
81	Matl81	ASPHALT-ROOFING, ROLL	Yes	0.1500					☐
244	Matl244	PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	☐
185	Matl185	CLAY TILE, PAVER, 3/8IN	No	0.0301	0.0313	1.0410	120.00	0.2000	☐
82	Matl82	ASPHALT-SHINGLE AND SIDING	Yes	0.4400					☐
11	Matl11	2 in. Insulation	No	6.6800	0.1670	0.0250	2.00	0.2000	☐
47	Matl47	2 in. Heavyweight concrete	No	0.1670	0.1670	1.0000	140.00	0.2000	☐
95	Matl95	CONC BLOCK HW-4IN-HOLLOW	No	0.7107	0.3333	0.4690	101.00	0.2000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1019	Metal siding/2x4@24"+R11Batt/5/8"Gyp	No	No	0.09	1.07	19.38	10.8713	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	4	Steel siding	0.0050	0.00	☐
2	271	2x4@24" oc + R11 Batt	0.2917	0.00	☐
3	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.00	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1047	Mtl Bldg Roof/R-19 Batt	No	No	0.05	1.34	9.49	20.3366	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	94	BUILT-UP ROOFING, 3/8IN	0.0313	0.00	☐
2	23	6 in. Insulation	0.5000	0.00	☐



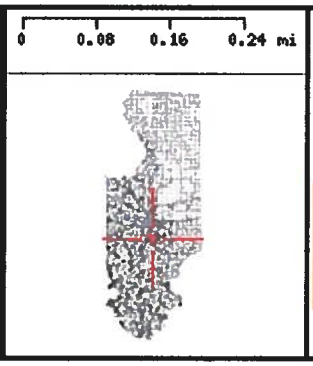
Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 20-4S-17-08583-010 - VACANT COM (001000)

BEG INTERS OF W R/W US-441 & N LINE OF SEC, RUN SE ALONG R/W 75.38 FT, SW 311.20 FT,

Name:	PERRY LARRY E JR & LASHUAN	LandVal	$48,594.00
Site:		BldgVal	$0.00
Mail:	796 SE CR 252 LAKE CITY, FL 32025	ApprVal	$48,594.00
		JustVal	$48,594.00
Sales Info	2/20/1998 $37,400.00 V / Q	Assd	$48,594.00
		Exmpt	$0.00
		Taxable	$48,594.00



This information, GIS Map Updated: 2/7/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 1787 * Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE ISSUED: September 21, 2005

ENHANCED 9-1-1 ADDRESS:

4180 S US HIGHWAY 441 (LAKE CITY, FL 32025)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS:

PROPERTY APPRAISER PARCEL NUMBER: 20-4S-17-08583-010

Other Contact Phone Number (If any):

Building Permit Number (If known):

Remarks:

Address Issued By:

Columbia County 9-1-1 Addressing / GIS Department

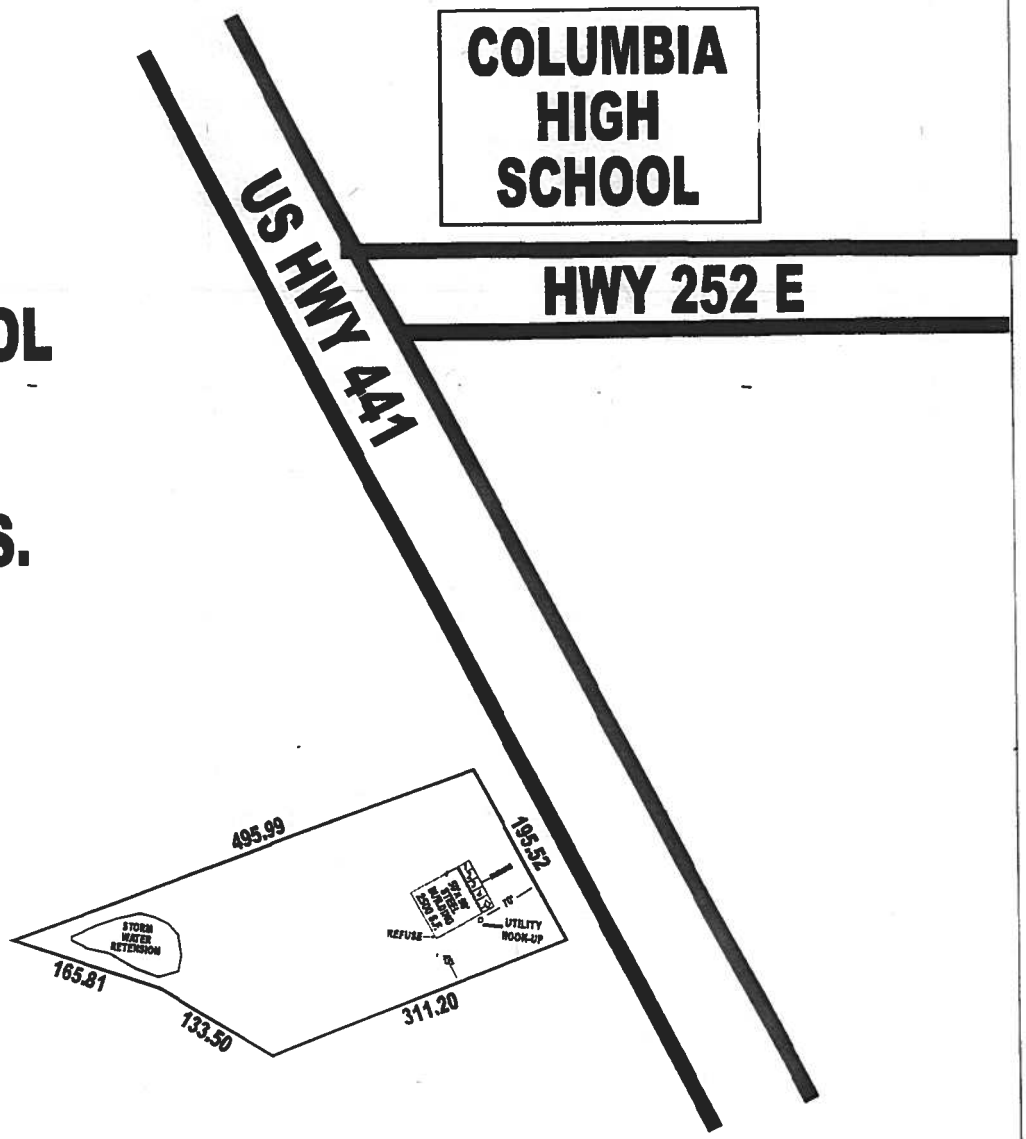
NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

N

9/21/05

APROX. 3/4 MILE SOUTH OF COLUMBIA HIGH SCHOOL ON HWY 441. NEXT TO ACTION SIGNS& GRAPHICS.



VICINITY MAP

RON E. BIAS
WELL DRILLING

317 SW Brecken Ridge • Fort White, FL 32038
(386) 497-1045 • *Mobile:* (386) 364-9233 • *Fax:* (386) 497-1045

No. ____________

Date: 3-1-06

Name: Larry Perry

Address: 417 SWS 441

Phone: ____________

DESCRIPTION:
Pig
4" deep well 100' +
1 Hp sub pump
80 + Gallon Holding tank
constant pressure system
1 1/4 drop
Back flow preventer
(Surround) Spec
7/ Permits
20 GPM System

Total: ____________

Deposit: ____________

Balance: ____________

Date Wanted: ____________

Authorized By: Ron E Bias

Received By: ____________

From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

Reference to a building permit application Number: 0603-84

Norton Home Improvement Commercial Building at 4180 S US Highway 441

On the date of March 24, 2006 application 0603-84 and plans for construction of a single story commercial metal structure to be used for class B business and class S-2 storage were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0603-84 when making reference to this application.

1. Please submit to this department an approved driveway permit from the Florida Department of Transportation to gain access the property at 3367 S US Highway 441.

2. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.

3. Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be preformed by the Columbia County Building Department.

4. Please submit of two site plans which will detail property boundaries, traffic egress, building setback from boundaries lines and parking area including the requirements of the Florida Building Code chapter 11 Florida accessibility code for building construction
5. Show the design method which will be used to provide one hour separation between the B business occupancy and the S-2 storage occupancy. Also show the doors labeled 03 & 06 to have a one hour fire rating.
6. Show the method which will be used for fire blocking and draftstopping in the office ceiling area.
7. If the area over the office will be used as for mezzanine storage the floor live load rating will be required to 125 psf. Also if the area is used as mezzanine storage the method for egress will need to be shown.
8. Show on the electrical plan the exit sign lighting at the following doors 01, 04 & 06. Also show the emergency lighting location which will provide for pathway luminaries for both the costumer office area, employ work area and the storage area.
9. Show the elevation of the plumbing fixtures to meet the requirements of the Florida Building Code chapter 11 Florida accessibility code for building construction.
10. Show the method which will be used to provide for ducts which may penetrate through the one hour occupancy separation walls.
11. Show the private of public potable water supply for the structure.
12. The Florida Building Code 2004 section 106.3.5 Minimum plan review criterion for commercial buildings requires a soil conditions/analysis be preformed. Therefore please follow the prescribed testing methods of chapter 18 to reveal the soil load bearing capacities. Please have a registered professional conduct subsurface explorations at the

project site upon which foundations are to be constructed, a sufficient number (not less than four, one boring on each corner of the building foundation) borings shall be made to a depth of not less than 10 feet (3048 mm) below the level of the foundations to provide assurance of the soundness of the foundation bed and its load-bearing capacity.

13. Show the location of the electrical service overcurrent protection device. This device shall be installed on the exterior of structures to serve as a disconnecting means.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

COLUMBIA COUNTY BUILDING DEPARTMENT

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 WITH AMENDMENTS

ALL REQUIREMENTS LISTED ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INCLUDE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2004 WITH AMENDMENTS BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SIGNATURE AND SEAL OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA. THE FOLLOWING BASIC WIND SPEED AS PER SECTION 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ---------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ---------- 110 MPH Yes
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing a floor plan, site plan, foundation plan, floor/roof framing plan or truss layout, wall sections and all exterior elevations with the following criteria and documents:

Applicant	Plans Examiner	
☐	☐ Yes	All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☐	☐ Yes	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☐	☐ Needed	**Two (2) Copies of Approved Site Plan**
☐	☐ Type V Unprotected	**Minimum Type Construction** (FBC chapter 6)
☐	☐	**Wind Load Engineering Summary, calculations and any details required:** a) Plans or specifications must state compliance with FBC Section 1609 b) The following information must be shown as per section 1603.1.4 FBC 1. Basic wind speed (MPH) 110 2. Wind importance factor (I) and building category 1.00 2. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated B 3. The applicable internal pressure coefficient 4. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☐	☐	**Fire Resistant Construction Requirements shall include:**
☐	☐	a) Fire resistant separations (listed system) 1 Hr. separation between office & storage area will be required (get with Gary Gill)
☐	☐	b) Fire resistant protection for type of construction
☐	☐	c) Protection of openings and penetrations of rated walls (listed systems) Doors 06 & 03 Need to be 20 Min. fire rated
☐	☐	d) Fire blocking and draft-stopping Show Method for office area
☐	☐	e) Calculated fire resistance

Fire Suppression Systems shall include: (To be reviewed by Fire Department)

☐ ☐ a) Fire sprinklers
☐ ☐ b) Fire alarm system (early warning) with name of licensed installer. If not shown on plans or not known at time of permitting, a separate permit shall be required by the licensed installer
☐ ☐ c) Smoke evacuation system schematic
☐ ☐ d) Stand-pipes
Pre-engineered system
Riser diagram

Life Safety Systems shall include: (To be reviewed by Fire Department)

☐ ☐ a) Occupancy load and egress capacity Office area 9 occupants Storage Area 14 occupants
☐ ☐ b) Early warning
☐ ☐ c) Smoke control
☐ ☐ d) Stair pressurization
☐ ☐ e) Systems schematic

Occupancy Load/Egress Requirements shall include:

☐ ☐ a) Occupancy load (gross and net)
☐ ☐ b) Means of egress exit access, exit and exit discharge If the area over the office will be used a mezzanine storage the live load rating will be required (125 live load)
☐ ☐ c) Stair construction/geometry and protection Show egress stairwell to mezzanine
☐ ☐ d) Doors
☐ ☐ e) Emergency lighting and exit signs Show exit sign at doors 01, 04, & 06 show emergency lighting customer and work area
☐ ☐ f) Specific occupancy requirements
1. Construction requirements
2. Horizontal exits/exit passageways

Structural Requirements shall include:

☐ ☐ a) Soil conditions/analysis Need geotechnical report
☐ ☐ b) Show type of termite treatment (termiticide or alternative method) Yes
☐ ☐ c) Design loads Yes
☐ ☐ d) Wind requirements Yes

☐ ☐ e) Building envelope Yes

☐ ☐ f) Structural calculations Yes

☐ ☐ g) Foundations Yes

☐ ☐ h) Wall systems
☐ ☐ i) Floor systems
☐ ☐ j) Roof systems
☐ ☐ k) Threshold inspection plan (if applicable)
☐ ☐ l) Stair systems

Materials shall include:

☐ ☐ a) Wood
☐ ☐ b) Steel STEEL BUIDING
☐ ☐ c) Aluminum
☐ ☐ d) Concrete

☐ ☐ e) Plastic
☐ ☐ f) Glass (mfg. Listing for wind zone including details for installation and attachments
☐ ☐ g) Masonry
☐ ☐ h) Gypsum board and plaster
☐ ☐ i) Insulating (mechanical)
☐ ☐ j) Roofing (mfg. Listed system for wind zone with installation and attachments)
☐ ☐ k) Insulation

Accessibility Requirements shall include:

☐ ☐ a) Site requirements Need Site Plan
☐ ☐ b) Accessible route Need Site Plan
☐ ☐ c) Vertical accessibility
☐ ☐ d) Toilet and bathing facilities show the elevation of the plumbing fixtures to meet ADA requirments
☐ ☐ e) Drinking fountains
☐ ☐ f) Equipment
☐ ☐ g) Special occupancy requirements
☐ ☐ h) Fair housing requirements

Interior Requirements shall include:

☐ ☐ a) Interior finishes (flame spread/smoke develop)
☐ ☐ b) Light and ventilation
☐ ☐ c) Sanitation

Special Systems shall include:

☐ ☐ a) Elevators
☐ ☐ b) Escalators
☐ ☐ c) Lifts

Swimming Pools – Commercial – Plans shall be signed and sealed by a Professional Engineer registered in the State of Florida and approved by the Department of Business and Professional Regulation/Health Department Indicating compliance with the Florida Administrative Code, Chapter 64E-9 And Section 424 of the Florida Building Code

Electrical:

☐ ☐ a) Electrical wiring, services, feeders and branch circuits, over-current protection, grounding, wiring methods and materials, GFCIs
☐ ☐ b) Equipment Show means of disconnect on exterior of building
☐ ☐ c) Special Occupancies
☐ ☐ d) Emergency Systems
☐ ☐ e) Communication Systems
☐ ☐ f) Low Voltage
☐ ☐ g) Load calculations
☐ ☐ h) Riser diagram

Plumbing:

☐ ☐ a) Minimum plumbing facilities
☐ ☐ b) Fixture requirements
☐ ☐ c) Water supply piping
☐ ☐ d) Sanitary drainage
☐ ☐ e) Water heaters
☐ ☐ f) Vents
☐ ☐ g) Roof drainage
☐ ☐ h) Back flow prevention

☐ ☐ i) Irrigation
☐ ☐ j) Location of water supply
☐ ☐ k) Grease traps
☐ ☐ l) Environmental requirements
☐ ☐ m) Plumbing riser

Mechanical:

☐ ☐ a) Energy calculation (signed and sealed by Architect or Engineer, registered in the State of Florida)
☐ ☐ b) Exhaust systems (clothes dryer exhaust, kitchen equipment exhaust, Specialty equipment exhaust)
☐ ☐ c) Equipment
☐ ☐ d) Equipment location
☐ ☐ e) Make-up air
☐ ☐ f) Roof mounted equipment
☐ ☐ g) Duct systems
☐ ☐ h) Ventilation
☐ ☐ i) Combustion air
☐ ☐ j) Chimneys, fireplaces and vents
☐ ☐ k) Appliances
☐ ☐ l) Boilers
☐ ☐ m) Refrigeration
☐ ☐ n) Bathroom ventilation
☐ ☐ o) Laboratory

Gas:

☐ ☐ a) Gas piping
☐ ☐ b) Venting
☐ ☐ c) Combustion air
☐ ☐ d) Chimney's and vents
☐ ☐ e) Appliances
☐ ☐ f) Type of gas
☐ ☐ g) Fireplaces
☐ ☐ h) LP tank locations
☐ ☐ i) Riser diagram/shut offs

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice of Commencement Required Before Any Inspections will be Done

Needed

☐ ☐ **Private Potable Water:**

a) Needed Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS:

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all construction projects:

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser is required. A copy of property deed is also requested. (386) 758-1084

Needed 3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic tank approval or sewer tap is required

4. **City Approval:** If the project is located within the city limits of the Town of Fort White prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit.

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) **has been** established shall meet the requirements of section 8.8 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) **has not been** established shall meet the requirements of section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
   A development permit will also be required. **The development permit cost is $10.00**

Needed 6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit must be made **($5.00)**. Culvert installation for commercial, industrial and other uses shall **conform to the approved site plan or to the specifications of a registered engineer. Joint use culverts will comply with Florida Department of Transportation specifications**. If the project is to be located on a F.D.O.T. maintained road, then an F.D.O.T. access permit is required.

Needed 7. **Suwannee River Water Management District Approval:** All commercial projects must have an SRWMD permit issued or an exemption letter, before a building will be issued.

SUWANNEE
RIVER
WATER
MANAGEMENT
DISTRICT
9225 CR 49
LIVE OAK, FLORIDA 32060
TELEPHONE: (386) 362-1001
TELEPHONE: 800-226-1066
FAX (386) 362-1056

GENERAL PERMIT

PERMITTEE:
ACTION SIGNS & GRAPHICS, INC.
796 SOUTHEAST C. R. 252
LAKE CITY, FL 32025

PERMIT NUMBER: ERP98-0021M
DATE ISSUED: 03/03/2006
DATE EXPIRES: 03/03/2009
COUNTY: COLUMBIA
TRS: S17/T4S/R17E, S20/T4S/R17E

PROJECT: ACTION SIGNS & GRAPHICS

Approved entity to whom operation and maintenance may be transferred pursuant to rule 40B-4.1130, Florida Administrative Code (F.A.C.):

LARRY PERRY
ACTION SIGNS & GRAPHICS, INC.
796 SOUTHEAST C. R. 252
LAKE CITY, FL 32025

Based on information provided, the Suwannee River Water Management District's (District) rules have been adhered to and an environmental resource general permit is in effect for the permitted activity description below:

Construction and operation of a surfacewater management system serving 1.00 acres of impervious surface on a total project area of 3.66 acres in a manner consistent with the application package submitted by Arthur N. Bedenbaugh, P.E. certified on January 19, 2006.

It is your responsibility to ensure that adverse off-site impacts do not occur either during or after construction. Any additional construction or alterations not authorized by this permit may result in flood control or water quality problems both on and off site and will be a violation of District rule.

You or any other substantially affected persons are entitled to request an administrative hearing pursuant to ss.120.57(1), Florida Statutes (F.S.), and s.40B-1.511, F.A.C., if they object to the District's actions. Failure to request a hearing within 14 days will constitute a waiver of your right to request such a hearing. In addition, the District will presume that permittee waives Chapter 120,

F.S., rights to object or appeal the action upon commencement of construction authorized by the permit.

This permit is issued under the provisions of chapter 373, F.S., chapter 40B-4, and chapter 40B-400, F.A.C. A general permit authorizes the construction, operation, maintenance, alteration, abandonment, or removal of certain minor surface water management systems. This permit authorizes the permittee to perform the work necessary to construct, operate, and maintain the surface water management system shown on the application and other documents included in the application. This is to notify you of District's agency action concerning Notice Of Intent. This action is taken pursuant to rule 40B-4 and 40B-400, F.A.C.

Standard Conditions for All General Permits:

1. The permittee shall perform all construction authorized in a manner so as to minimize adverse impacts to fish, wildlife, natural environmental values, and water quality. The permittee shall institute necessary measures during construction including riprap, reinforcement, or compaction of any fill materials placed around newly installed structures, to minimize erosion, turbidity, nutrient loading, and sedimentation in the receiving waters.

2. Water quality data representative of the water discharged from the permitted system, including, but not limited to, the parameters in chapter 62-302, F.A.C., shall be submitted to the District as required. If water quality data are required, the permittee shall provide data as required on the volume and rate of discharge including the total volume discharged during the sampling period. All water quality data shall be in accordance with and reference the specific method of analysis in "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association or "Methods for Chemical Analysis of Water and Wastes" by the U.S. Environmental Protection Agency.

3. The operational and maintenance phase of an environmental resource permit will not become effective until the owner or his authorized agent certifies that all facilities have been constructed in accordance with the design permitted by the District. If required by the District, such as-built certification shall be made by an engineer or surveyor. Within 30 days after the completion of construction of the system, the permittee shall notify the District that the facilities are complete. If appropriate, the permittee shall request transfer of the permit to the responsible entity approved by the District for operation and maintenance. The District may inspect the system and, as necessary, require remedial measures as a condition of transfer of the permit or release for operation and maintenance of the system.

4. Off-site discharges during and after construction shall be made only through the facilities authorized by the permit. Water discharged from the project shall be through structures suitable for

regulating upstream stage if so required by the District. Such discharges may be subject to operating schedules established by the District.

5. The permit does not convey to the permittee any property right nor any rights or privileges other than those specified in the permit and chapter 40B-1, F.A.C.

6. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance, alteration, abandonment, or development in a Works of the District which is authorized by the permit.

7. The permit is issued based on the information submitted by the applicant which reasonably demonstrates that adverse off-site water resource impacts will not be caused by the permitted activity. It is the responsibility of the permittee to insure that such adverse impacts do not in fact occur either during or after construction.

8. It is the responsibility of the permittee to obtain all other clearances, permits, or authorizations required by any unit of local, state, or federal government.

9. The surfacewater management system shall be constructed prior to or concurrent with the development that the system is intended to serve and the system shall be completed within 30 days of substantial completion of the development which the system is intended to serve.

10. Except for General Permits After Notice or permits issued to a unit of government, or unless a different schedule is specified in the permit, the system shall be inspected at least once every third year after transfer of a permit to operation and maintenance by the permittee or his agent to ascertain that the system is being operated and maintained in a manner consistent with the permit. A report of inspection is to be sent to the District within 30 days of the inspection date. If required by chapter 471, F.S., such inspection and report shall be made by an engineer.

11. The permittee shall allow reasonable access to District personnel or agents for the purpose of inspecting the system to insure compliance with the permit. The permittee shall allow the District, at its expense, to install equipment or devices to monitor performance of the system authorized by their permit.

12. The surfacewater management system shall be operated and maintained in a manner which is consistent with the conditions of the permit and chapter 40B-4.2040, F.A.C.

13. The permittee is responsible for the perpetual operation and maintenance of the system unless the operation and maintenance is transferred pursuant to chapter 40B-4.1130, F.A.C., or the permit is modified to authorize a new operation and maintenance entity pursuant to chapter 40B-4.1110,

F.A.C.

14. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.

15. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

16. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.

17. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site-specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

18. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.

19. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40B-1.901(14) indicating the actual start date and the expected completion date.

20. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an Annual Status Report Form No. 40B-1.901(15). These forms shall be submitted during June of each following year.

21. For those systems which will be operated or maintained by an entity requiring an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance documents as are required by Paragraph 40B-4.2030(2)(g), F.A.C., and Rule 40B-4.2035, F.A.C., must be submitted to the District for approval. Documents meeting the requirements set forth in these subsections of District rules will be approved. Deed restrictions, easements and other operation and maintenance documents which require recordation either with the Secretary of State or Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.

22. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

23. Within 30 days after completion of construction of the permitted system, or independent portion of the system, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, using the supplied As-Built Certification Form No. 40B-1.901(16) incorporated by reference in Subsection 40B-1.901(16), F.A.C. When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submittal of the completed form shall serve to notify the District that the system is ready for inspection. The statement of completion and certification shall be based on on-site observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or review of as-built drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at a minimum, shall be verified on the as-built drawings:

a. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps,

pipes, and oil and grease skimmers;

b. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;

c. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;

d. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;

e. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;

f. Existing water elevation(s) and the date determined; and

g. Elevation and location of benchmark(s) for the survey.

24. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the condition in paragraph 23 above, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District in accordance with Rule 40B-4.2035, F.A.C., accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the approved responsible operation and maintenance operating entity if different from the permittee. Until the permit is transferred pursuant to Rule 40B-4.1130, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

25. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior to implementation so that a determination can be made whether a permit modification is required.

26. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and in this chapter and Chapter 40B-4, F.A.C.

27. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

28. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under 40B-400.046, F.A.C., provides otherwise.

29. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 40B-4.1130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

30. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District.

31. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT, THE PERMITTEE SHALL NOTIFY THE DISTRICT, IN WRITING, THAT THE FACILITIES ARE COMPLETE.

Approved by _____ Date Approved 3-3-06
District Staff

_____ _____
Clerk Executive Director

18 x 24 HANDICAPPED PARKING ONLY SIGN 72" HIGH FROM GRADE INSTALLED IN FRONT OF HANDICAPPED PARKING AREA. PARKING AREA MARK W/ HANDICAPPED SYMBOL AND STRIPED. RAMP FOR ENTRANCE INTO CUSTOMER AREA. ALL CONSTRUCTION TO MEET FBC ACCESSIBLE CODES.

SHUNT TRIP BREAKER W/ GLASS BREAK @ ELECTRIC SERVICE ENTRANCE FOR DISCONNECT.

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

April 11, 2006

Larry Perry
4180 South U.S. Highway 441
Lake City, Florida 32025

Reference: Proposed Welding Shop
4180 South U.S. Highway 441
Lake City, Florida
Cal-Tech Project No. 06-221

Dear Mr. Perry,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation of the site for a welding shop to be constructed at the referenced address in Lake City, Florida. Our work was authorized by you.

We understand the structure will be single-story and have lateral dimensions of approximately 50 feet by 75 feet. Support for the structure is to be provided by a monolithic foundation. Thickened edges are to be 24 inches in width and embedded 30 inches below the finished surface grade. Anticipated foundation loads were not provided; however, we believe column and wall loads will not exceed 25 kips and 1 kip per foot, respectively.

The purposes of our investigation were to evaluate the existing subgrade soils for an allowable bearing pressure of 1,500 pounds per square foot and to provide recommendations as appropriate.

Site Investigation

The site was investigated by performing four (4) dynamic cone penetration tests with hand-auger borings advanced to depths of 10.0 feet. The borings were performed at the approximate locations indicated on the attached Boring Location Plan. These locations were selected by Cal-Tech Testing, Inc., and the building limits were staked on site.

The dynamic cone penetration test is performed by driving a standard 60-degree cone into the soil by blows from a 15-pound slide-hammer falling 20 inches. The number of blows required to advance the cone 1.75 inches is designated the dynamic cone penetration resistance. This value can be correlated to N-values of the Standard Penetration Test and is an index of soil density or consistency.

Hand-auger borings are performed by manually advancing a 3-inch diameter, metal sleeve into the soil to recover samples from limited depths. Samples are collected and are examined for soil type and color.

Findings

The soil borings generally encountered two soil strata. The first layer consists of 1.5 to 3.0 feet of loose to medium dense, tan, grayish tan or tannish gray sand with silt (SP/SM). The equivalent N-values of this layer range from 4 to 20 blows per foot.

The second layer consists of an undetermined thickness of generally medium dense to very dense, tan, gray, orange and red, clayey sand (SC). The equivalent N-values of this layer range from 6 to more than 50 blows per foot.

Groundwater was encountered at depths of 7.5 to 9.5 feet at the time of our investigation. We estimate the wet season water table will occur at a depth of about 4 feet. For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs.

Discussion

We have performed a bearing capacity analysis for the immediate bearing soils and the proposed thickened edge foundation (24" width at 30" embedment). For this foundation and the site soils as encountered, we obtained an allowable bearing capacity of 1,500 pounds per square foot with a factor of safety in excess of 3.0 against a bearing capacity failure. It is therefore our opinion the subgrade soils within the proposed building area are suitable for the proposed foundation and an allowable bearing capacity of 1,500 pounds per square foot.

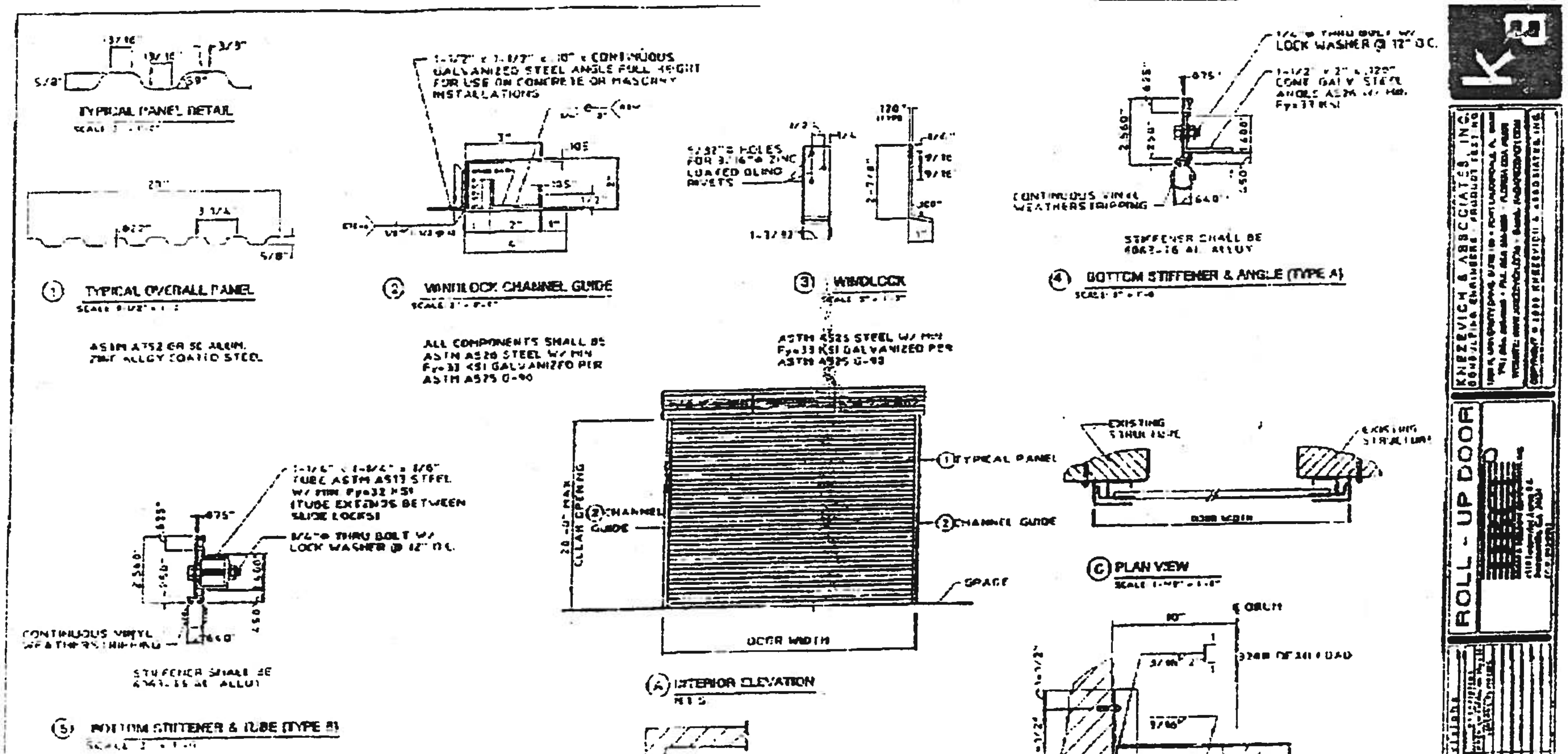
Extensive site preparation should not be required; however, we recommend the site be proof-rolled and then proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of at least 1.0 feet below the bottoms of foundations and floor slabs.

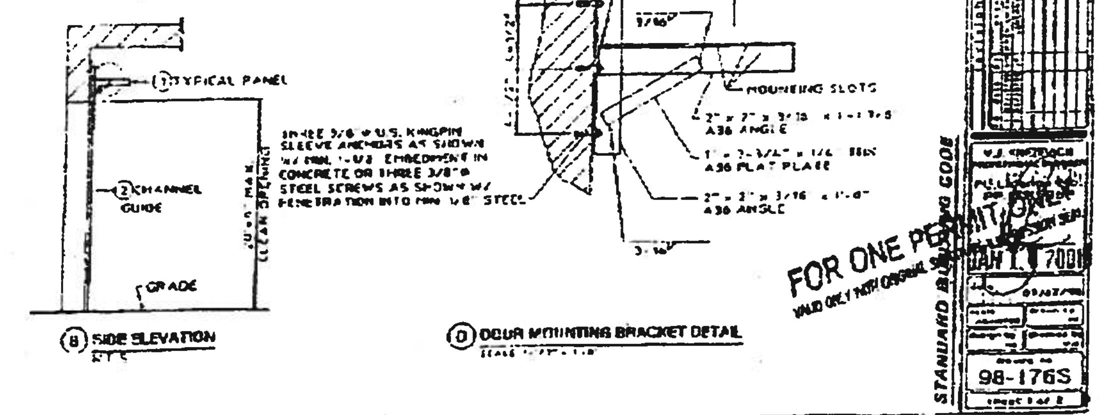
We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer
President / CEO

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer 4/11/06
52612



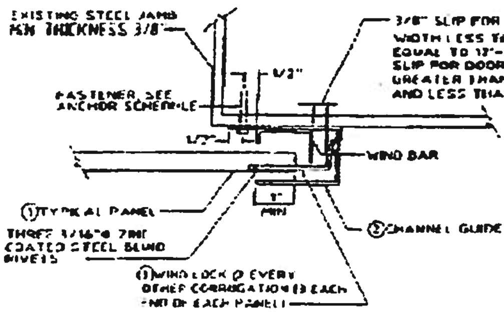


GENERAL NOTES

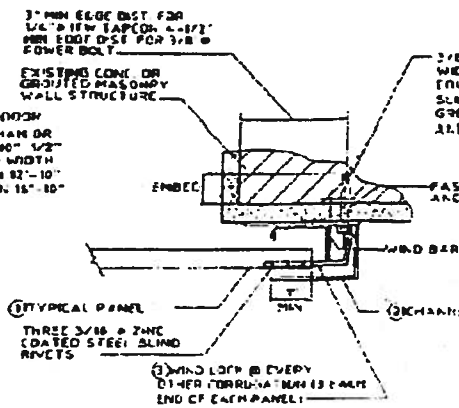
1. THIS ROLL-UP DOOR IS DESIGNED IN ACCORDANCE WITH THE STANDARD BUILDING CODE, 1994, 1995 & 1997 EDITION, INCLUDING THE 1995 PALM BEACH COUNTY AMENDMENTS
2. THIS ROLL-UP DOOR HAS BEEN TESTED IN ACCORDANCE WITH THE STANDARD BUILDING CODE AND ASTM E-330 TO SAFELY RESIST A POSITIVE OR NEGATIVE WIND LOAD AS NOTED IN THE DOOR SCHEDULE. A TEST LOAD OF 1.5 x DESIGN LOAD HAS BEEN USED
3. WIND LOADS FOR BUILDING OPENINGS SHALL BE DETERMINED BY A PROFESSIONAL ENGINEER USING APPROPRIATE WIND SPEED AND DESIGN CRITERIA. THIS DOOR MAY BE USED WHERE THE DESIGN LOAD MEETS OR EXCEEDS THE DESIGN LOAD FOR THE BUILDING OPENING
4. SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNATED AS Vx AND Vy HEREIN. CONTRACTORS SHALL HAVE BUILDING ENGINEER VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOADS Vx, Vy AND BRACKET LOADS SHOWN
5. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A5.1 GRADE E-70
6. DOORS SHALL BE PROVIDED WITH SLIDE LOCK MECHANISMS AT EACH SIDE OF BOTTOM OF DOOR ENGAGING CHANNEL GUIDES IN THE LOCKED POSITION

3100 Series

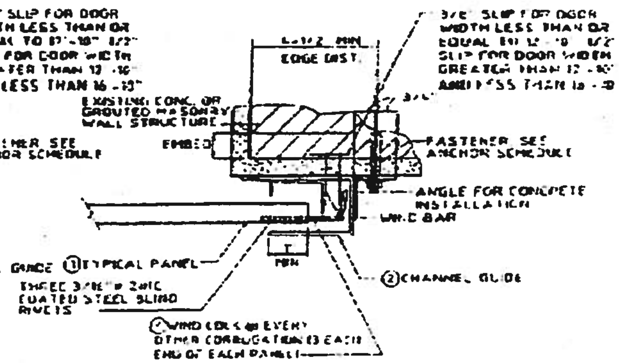
26 ga.



(E1) WINDLOCK GUIDE CONNECTION TO STEEL JAMB DETAIL
SCALE 3" = 1'-0"

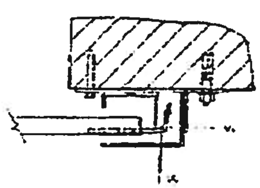


(E2) WINDLOCK GUIDE CONNECTION TO CONCRETE OR GROUTED MASONRY DETAIL (INSIDE GUIDE)
SCALE 3" = 1'-0"



(E3) WINDLOCK GUIDE CONNECTION TO CONCRETE OR GROUTED MASONRY DETAIL (OUTSIDE GUIDE)
SCALE 3" = 1'-0"

DOOR SCHEDULE				ANCHOR SCHEDULE - (FASTENER MAXIMUM SPACING)						
				DETAIL (E1)	DETAIL (E2)		DETAIL (E2)		DETAIL (E3)	
MAX DOOR WIDTH	MAX DESIGN PRESSURE (P.S.F.)	Vx (P.L.F.)	Vy (P.L.F.)	3/8" Ø -12 x 1" HEX WASHER HEAD TYPE B THREAD FORMING ZINC PLATED STEEL SCREW PLUS A 3/8" Ø FLAT WASHER	3/8" Ø POWER BOLT ANCHOR WITH MINIMUM 2" EMBEDMENT		1/4" Ø ITW TAPCON ANCHOR WITH MINIMUM 1-3/4" EMBEDMENT		3/8" Ø U.S. KINGPIN SLEEVE ANCHOR WITH MINIMUM 1-7/8" EMBEDMENT	
				STEEL STRUCTURE	CONCRETE STRUCTURE	GROUTED MASONRY STRUCTURE (SEE NOTE No. 2)	CONCRETE STRUCTURE	GROUTED MASONRY STRUCTURE (SEE NOTE No. 2)	CONCRETE STRUCTURE	GROUTED MASONRY STRUCTURE (SEE NOTE No. 2)
≤ 12'-10"	≤ 35.0	810	223	12"	12"	12"	6"	[illegible]	12"	7"
	≤ 26.0	670	168	14"	14"	14"	12"	[illegible]	14"	10"
> 12'-10"	≤ 30.3	1159	255	9"	12"	9"	4"	N/A	6"	[illegible]
≤ 16'-10"	≤ 25.0	962	216	2"	14"	11"	5"	3"	10"	[illegible]



(C) SUPERIMPOSED LOAD DIAGRAM
SCALE 3" = 1'-0"

ANCHOR NOTES:

1. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH
2. FOR HOLLOW MASONRY, FILL ALL CELLS WITHIN 8" OF THE ANCHOR W/ 2500 PSI GROUT.
3. ANCHORS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURERS SPECIFICATIONS

KNEZEVICH & ASSOCIATES, INC
CONSULTING ENGINEERING - PRODUCT TESTING

ROLL - UP DOOR

V.J. KNEZEVICH

STANDARD BUILDING CODE

FOR ONE PERMIT ONLY

JAN 10 2001

98-176S

3100 Series

26ga.

CONSTRUCTION TESTING CORPORATION
13873 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Report No: 95-029

23 August 1995

Test Date: 17 August 1995

TESTS ON ROLL DOWN DOORS

Client:

Door & Building Components, Inc.
4310 Industrial Access Road
Douglasville, Georgia 30134

General : Uniform Static Air Pressure Loading, per ASTM E-330

Testing witnessed by:

John W. Knezevich, P.E. Knezevich & Ass.
Don Mills, Product Engineer for D.B.C.I.
Bill Mathews, President J. B. Mathews
George Dotzler, CTC Test Engineer

Statement of Conformance : This is a general statement and does not supersede the specific product descriptions in this report. The specimens are in conformance with drawings provided by the manufacturer, labeled:

ROLL - UP DOOR

D.B.C.I.

Door & Building Components, Inc.
4310 Industrial Access Road
Douglasville, Georgia 30134

Date : 8 - 23 - 95 Drawing # 95 - 430

Description of Test Specimen: The specimen was a roll down door manufactured by Door & Building Components, Inc. . This door was installed covering a nominal opening 16'-0" wide by 16'-0" high. The door was constructed of painted galvanized steel sheet (mic'd @ 0.0240" w/ galvanized, w/o paint). The specimens channel guides were secured to the steel jamb (1/4" steel plate) of the test chamber with 9/16" hex head self threading 3/8" x 1" screws at 4" on center. These channel guides were as shown in detail 2 "Windlock Channel Guide" of the manufacturers supplied drawings. The left guide fastenings were secured through the 1-1/2" x 1-1/2" angle typically used for concrete installations. The right channel guide did not include this feature (the 1-1/2" x 1-1/2" angle) and the fastenings were secured through the center of the 1" protruding flange as shown detail 2. The door's bottom bar was as shown in detail 5 "Bottom Stiffener & Angle (Type B)" in the manufacturers drawings. Before testing this door was fully functional.

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CONSTRUCTION TESTING CORPORATION
13873 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Static Wind Loading / Manner of Testing:

Loads applied to the specimen (10 seconds durations in loading cycles greater than 40 seconds) were at levels specified by the client's Consulting Engineer. Polyethylene film (2 mil) and tape were used to seal air leakage during loads. The film and tape were used in a manner that did not influence the results. Deflection gauges were mounted at each jamb to record deflections along the center line of the door. The deflection readings are as follows:

		Left		Center		Right		Net @ Center Line		
Load	Load	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Percent
PSF	In. H2O	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	Recovery
0.0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	NA
15.6	3.0	0.500	0.063	11.438	0.188	0.500	0.016	10.938	0.148	98.6
20.8	4.0	0.631	0.063	12.063	0.125	0.516	0.156	11.539	0.016	99.9
26.0	5.0	0.531	0.031	13.000	0.063	0.563	0.031	12.453	0.031	99.7
31.2	6.0	0.563	0.031	13.750	0.125	0.625	0.063	13.156	0.078	99.4
38.5	7.4	0.625	0.125	14.938	0.313	0.750	0.063	14.250	0.219	98.5
45.5	8.8	0.688	0.156	16.250	0.750	0.875	0.063	15.469	0.641	95.9
52.5	10.1	NR	NR	NR	NR	NR	NR	NR	NR	NR

As loading was initiated it momentarily rose to approximately 58 PSF then immediately reduced to the desired level.

The correct load was held for approximately 4 seconds when the windlocks failed at the center of the right jamb.

SUMMARY

One roll down door specimen manufactured by DBCI was wind loaded in accordance with ASTM E-330 under the supervision of the clients consulting engineer. Loads were chosen to prove the adequacy of the product to sustain a design load of 25.5 PSF. In fact the sustained test load of 45.5 PSF proved the product to a design load of 30.3 PSF.

Respectfully submitted,

CONSTRUCTION TESTING CORPORATION.
(Dade County Certification # 95-0419.02)

Report by George Dotzler : _____

Test witnessed & report reviewed by John W. Knezevich, P.E. : _____

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13873 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Static Wind Loading / Manner of Testing:

Loads applied to the specimen (10 seconds durations in loading cycles greater than 40 seconds) were at levels specified by the client's Consulting Engineer. Polyethylene film (2 mil) and tape were used to seal air leakage during loads. The film and tape were used in a manner that did not influence the results. Deflection gauges were mounted at each jamb to record deflections along the center line of the door. The deflection readings are as follows:

		Left		Center		Right		Net @ Center Line		
Load	Load	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Delta	Percent
PSF	In. H2O	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	@ Load	@ Rec'y	Recovery
0.0	0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	NA
15.6	3.0	0.313	0.000	7.825	0.094	0.406	0.000	7.266	0.094	98.7
20.8	4.0	0.313	0.016	8.063	0.094	0.438	0.000	7.688	0.086	98.9
26.0	5.0	0.313	0.016	8.625	0.188	0.500	0.000	8.219	0.160	97.8
31.2	6.0	0.375	0.016	9.125	0.219	0.531	0.000	8.672	0.211	97.6
36.5	7.0	0.375	0.016	9.750	0.125	0.594	0.031	9.266	0.102	98.9
45.5	8.8	0.406	0.019	10.531	0.172	0.688	0.000	9.984	0.133	98.7
52.5	10.1	0.469	0.031	11.266	0.563	0.813	0.188	10.625	0.453	95.7
61.1	11.8	0.938	NR	14.875	NR	1.250	NR	13.781	NR	NR

Load was held for 9 seconds at this level when the wind locks failed at the left center jamb.

P.6/7 T0:3867928769 MAR-22-2006 11:52 From:

13873 N.W. 19th Ave. Miami, Florida 33054
Phone: (305) 685-6657 Fax: (305) 685-6659

Impact Manner of Testing: In accordance with Dade County Test Protocol PA 201-94 (rev 2) IMPACT TEST PROCEDURE.

This testing was performed as an experiment for the research and development of this product for Dade County Product Approval. One door assembly was tested, this was installed as previously described. It was impacted twice with a 9.0 lb. 2x4 of No. 2 Southern Pine in locations as indicated in the document "Answers to questions most frequently asked about the new impact test" (by Jaime Gascon of DCPC) and a third time in a location specified by the clients engineer.

Impact Test Results

Shot	Impact Location	Impact Coordinates Rt(in), Up(in)	Firing Pressure in Hg	Impact Velocity Ft / Sec	Results
1	Right: Bottom Corner	140, 12	9.88	49.6	No Penetration
2	Panel center @ Midspan	72, 33.5	10.00	50.2	No Penetration
3	Panel seam @ Midspan	73, 42.5	10.00	49.5	No Penetration

SUMMARY

One roll down door specimen manufactured by DBCI was wind loaded in accordance with ASTM E-330 under the supervision of the clients consulting engineer. Loads were chosen to prove the adequacy of the product to sustain a design load of 25.5 PSF. In fact the product sustained a test load of 52.5 PSF adequate to prove a design load of 35 PSF.

Following wind loading undamaged portions of the specimen were subjected to three impacts in accordance with **Dade County Test Protocol PA 201-94 (ver 2.0)**. None of these impacts resulted in the penetration of the specimen.

Respectfully submitted,

CONSTRUCTION TESTING CORPORATION.
(Dade County Certification # 95-0419.02)

Report by George Dotzler : _____ 8-23-95

Test witnessed & report reviewed by John W. Knezevich, P.E. : _____

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P.7/7 T0:3367528765 AUG-23-2006 11:52 From:

The Florida Department of Community Affairs
Building Code Information System

PRODUCT APPROVAL

Product Type Detail

Overview | Product Search | Organization Search | Product Application

User: Public User - Not Associated with Organization -

Need Help ?

Application #:	FL2484
Date Submitted:	05/03/2004
Product Manufacturer:	Vistawall Group
Address/Phone/email:	8655 Elm Fair Blvd Tampa, FL 33610 (770) 252-3090
Technical Representative:	William Smith
Technical Representative Address/Phone/email:	8655 Elm Fair Blvd Tampa, FL 33610 (800) 366-0349 bsmith@vistawall.com
Quality Assurance Representative:	Architectural Testing Inc.
Quality Assurance Representative Address/Phone/email:	130 Derry Court York, PA 17402-9405 (717) 764-7700 surich@archtest.com
Category:	Panel Walls
Subcategory:	Storefronts
Evaluation Method:	Evaluation Report from a Florida Registered Architect or Florida Professional Engineer

Referenced Standards from the Florida Building Code:

Section	Standard	Year
FBC 2400	ASTM E 283-91	1991
	ASTM E 331-96	1996
	ASTM E 330-96	1996
	ASTM E 330-96	1996

Post-it® Fax Note 7671

To CARL	Date # of pages ▶ 13
Co./Dept. LAKE CITY	From JOHN
Phone #	Co. VISTAWALL
Fax # 386-752-5952	Phone #
	Fax #

Florida Engineer or Architect Name: Elizabeth Broadway

Florida License:	PE- 38558
Quality Assurance Entity:	Architectural Testing, Inc.
Validation Entity:	Architectural Testing, Inc
Authorized Signature:	William Smith bsmith@vistawall.com
Evaluation/Test Reports Uploaded:	PTID_2484_T_FG1000 RPT.pdf PTID_2484_T_FG2000 RPT.pdf PTID_2484_T_FG3000 RPT INSIDE.pdf PTID_2484_T_FG3000S RPT.pdf PTID_2484_T_letterofindpen [1].pdf
Installation Documents Uploaded:	
Product Approval Method:	Method 1 Option D
Application Status: Date Validated:	Approved 07/13/2004

Page: Go

Page 1 / 1

App/Seq #	Product Model # or Name	Model Description	Limits of Use
2484.1	FG-1000	1 3/4" x 4" Flush Glaze	The structural capabilities of the system shall be determined based on the test report data and in conjunction with accepted engineering guidelines.
2484.2	FG-2000	1 3/4" x 4 1/2" Flush Glaze OG	The structural capabilities of the system shall be determined based on the test report data and in conjunction with accepted engineering guidelines.
2484.3	FG-2000	1 3/4" x 4 1/2" Flush Glaze IG	The structural capabilities of the system shall be determined based on the test report data and in conjunction with accepted engineering guidelines.
2484.4	FG-3000	2" x 4 1/2" Flush Glaze OG/IG	The structural capabilities of the system shall be determined based on the test report data and in conjunction with accepted engineering guidelines.
			The structural capabilities of the system shall be

2484.5	FG-3000S	2" x 4 1/2" Flush Glaze Thermal Slotted	determined based on the test report data and in conjunction with accepted engineering guidelines.

Next

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TELEPHONE (AREA CODE 214)
555-0593
565-0591
421-1400

CABLE ADDRESS "DALAB"

DALLAS LABORATORIES, INC.

CONSULTANTS AND TECHNOLOGISTS
ANALYTICAL AND RESEARCH CHEMISTS —
CHEMICAL ENGINEERS — PETROLEUM ENGINEERS

P. O. BOX 152637
1323 WALL ST

DALLAS, TEXAS 75315

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ASM INTERNATIONAL
SOCIETY OF PETROLEUM ENGINEERS OF AIME

MEMBERS
AMERICAN CHEMICAL SOCIETY
AMERICAN SOCIETY FOR TESTING MATERIAL
AMERICAN NATIONAL STANDARDS INSTITUTE
AMERICAN SOCIETY FOR QUALITY CONTROL

Submitted By: Vistawall Architectural Products
Products Development Group
P. O. Box 629
750 Airport Rd.
Terrell, TX 75160

Attn: Larry Biebuyck

Date: February 2, 2004
(Original Issue Date: 2/20/1997)

Report No. 25221-R-1R

REPORT

Subject: Performance testing in accordance with ASTM E 283-91 (Air Infiltration), ASTM E 331-96 (Water Resistance), ASTM E 330-96 (Uniform Load Deflection), and ASTM E 330-96 (Uniform Load Structural).

Product Type: Store Front

Series/Model: FG-2000 (Outside Glazed)

Overall Size: 12'9-1/4"x 9'11"

Configuration:
O.O.O
O.O.O

PRODUCT DESCRIPTION

Note: Mock-up was tested using two types of intermediate mullions. One mullion was a typical stationary mullion (part #FG-2100 mull) and (part #FG-2102 filler). The second mull was an expansion mull that would allow for lateral movements (part #FG-2109) and (part #FG-2108).

Weatherstripping: Two fingered gasket part #(V-11) at the interior and exterior face of expansion mull part #(FG-2108).

Glass: 1/4" tempered.

Glazing: Outside glazed with gasket #(FG-1133) at the interior and exterior of glass. Snap-in glazing bead part #(FG-2106) at the exterior of glass.

Weep Arrangement: 1/2" break in perimeter sealant at each intermediate vertical mullion. Water diverter part #(FG-1000-FP-1) installed at each end of horizontal rail.

Sealant: Perimeter caulked with a foam backer rod and sealant at the interior and exterior of mock-up, full span of frame head and jambs. Frame sill sealed exterior with sealant and backer rod and structural silicone only at interior. Exterior seal has 1/2" break at vertical mullions for weepage (See Weep description). Glazing gasket part #(FG-1133), ends are mitered and sealed prior to installation. Butyl gasket at all frame connections. Sealant applied to joint between part #(FG-2169) and (FG-2104) at frame sill. Sealant applied between exterior joint of filler part #(FG-2102), and mull part #(FG-2100).

THE ANALYSES OF THE ABOVE SAMPLE OR SAMPLES DO NOT IMPLY AN ENDORSEMENT. THIS REPORT, OR ANY PART THEREOF MAY NOT BE REPRODUCED OR USED FOR ADVERTISING PURPOSES WITHOUT OUR EXPRESS WRITTEN CONSENT.

Other Features: Frame corners are connected with two (2) #14x1" screws per corner. Mock-up was anchored to the test buck using 3" anchors 4" off center of vertical mullions and jambs eight clips at sill and three clips per jamb, and frame head.

Date Testing Started: February 17, 1997

Date Testing Completed: February 17, 1997

Testing Performed At: Vistawall testing facility in Terrell, Texas.

PERFORMANCE TEST RESULTS

TITLE OF TEST	TEST METHOD	MEASURED	ALLOWED
Air Infiltration @ 1.57 psf	ASTM E 283-91	0.002 CFM/Ft^2	0.06 CFM/Ft^2
Air Infiltration @ 6.24 psf	ASTM E 283-91	0.003 CFM/Ft^2	0.06 CFM/Ft^2
Water Resistance @ 6.24 psf	ASTM E 331-96	No Leakage	No Leakage
Water Resistance @ 8.00 psf	ASTM E 331-96	No Leakage	No Leakage
Water Resistance @ 9.00 psf	ASTM E 331-96	No Leakage	No Leakage
Water Resistance @ 10.00 psf	ASTM E 331-96	No Leakage	No Leakage
Uniform Load Deflection - Stationay Mull	ASTM E 330-96		
- Exterior @ 20.00 psf		0.580"	0.680"
- Interior @ 20.00 psf		0.560"	0.680"
Uniform Load Deflection - Expansion Mull	ASTM E 330-96		
- Exterior @ 20.00 psf		0.495"	0.680"
- Interior @ 20.00 psf		0.485"	0.680"
Uniform Load Structural	ASTM E 330-96		
- Exterior		30.0 psf*	30.0 psf*
- Interior		30.0 psf*	30.0 psf*
- Permanent Set			
- Stationary Mull		Negligible	0.476"
- Expansion Mull		Negligible	0.476"

* No glass breakage, permanent deformation, or any other condition exists that caused any damage to the unit.

The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specifications.

DALLAS LABORATORIES, INC.
TESTING LABORATORY

Ken Ness

KN:td

BROADWAY ENGINEERING, P.A.

[redacted]
[redacted]
[redacted]
[redacted]
[redacted]
CIVIL
MECHANICAL
STRUCTURAL
BUILDING DESIGN

March 31, 2004

STATE OF FLORIDA
DEPARTMENT OF COMMUNITY AFFAIRS
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100

Manufacturer: Vistawall Architectural Products
Products Development Group
P.O. Box 629
750 Airport Rd.
Terrell, TX 75160

Testing Laboratory: Dallas Laboratories, Inc.
P.O. Box 152837
Dallas, TX 75315
Original Issue Date: February 20, 1997
Revised Date: February 2, 2004
Report No. 25221-R-1R

Product Category: Windows

Product Type: Store Front

Series/Model: FG-2000 (Outside Glazed)

To Whom It May Concern:

I have reviewed the test report prepared by Dallas Laboratories, Inc., dated February 20, 1997, and revised February 2, 2004, for the above referenced product. According to this report, the Vistawall Series FG-2000 storefront system was tested in accordance with the following standards:

1. ASTM E 283-91 for air infiltration;
2. ASTM E 331-96 for water infiltration;
3. ASTM E 330-96 for uniform load deflection; and
4. ASTM E 330-96 for uniform load structural.

According to the information provided in the test report, the Vistawall Series FG-2000 storefront system was tested in accordance with ASTM E 283-91 for air infiltration, ASTM E 331-96 for water infiltration, and ASTM E 330-96 for uniform load deflection and uniform

structural load. Based on the test report data and in conjunction with accepted engineering guidelines to determine the structural capabilities of the system, we hereby certify that the Vistawall Series FG-2000 storefront system fulfills the requirements of the 2001 Florida Building Code Chapter 24.

Sincerely,

BROADWAY ENGINEERING, P.A.

Elizabeth A. Broadway, P.E.
President
Florida Registration No. 38558

2787-2000.ltr.wpd/eab

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Vistawall Architectural Products
803 Airport Road
Terrell, TX 75160

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "FG-2000" Flush Glazed Aluminum Storefront System

APPROVAL DOCUMENT: Drawing No. FG-2000, titled "FG-2000 Framing System", sheets 1 through 3 of 3, dated 10/24/03, prepared by the manufacturer, signed and sealed by William M. Meyers, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA **revises and renews NOA # 00-0124.02** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.
The submitted documentation was reviewed by **Manuel Perez, P.E.**

Vistawall Architectural Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **FG-2000**, titled "FG-2000 Framing System", sheets 1 through 3 of 3, dated 10/24/03, prepared by the manufacturer, signed and sealed by William M. Meyers, P.E.

B. TESTS

Submitted under NOA#96-1023.02

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
   3) Water Resistance Test, per FBC, TAS 202-94
   along with installation diagram of an aluminum flush glazed storefront system 10' 0" high x 4'0" mullion spacing, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0105-0803-96**, dated 08/02/96, signed and sealed by Timothy S. Marshall, P.E.

C. CALCULATIONS

Submitted under NOA#00-0124.02

1. Anchor Calculations and structural analysis, prepared by R.E. Fisher & Associates, Inc., dated October 15, 1996, signed and sealed by William M. Meyers, P.E. Complies with ASTM E1300-98

D. QUALITY ASSURANCE

1. Miami Dade County Building Code Compliance Office.

E. STATEMENTS

1. Statement letter of no change, issued by The Vistawall Group, signed by Fred Grunewald, dated 8/27/03.

F. MATERIAL CERTIFICATIONS

1. None

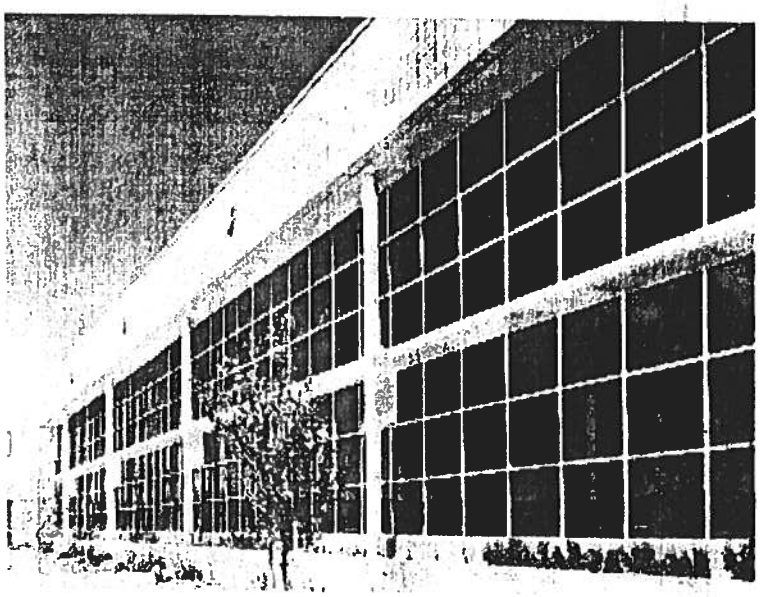
G. OTHER

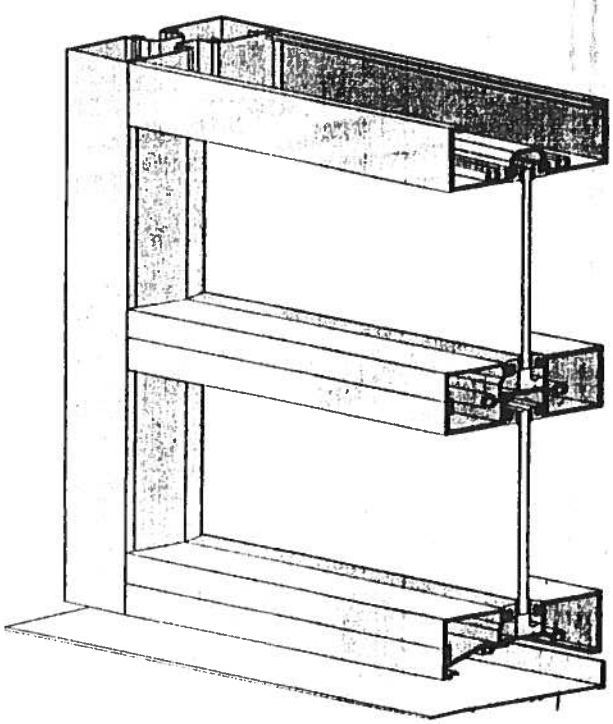
1. Notice of Acceptance No. **00-0124.02** Vistawall Architectural Products, Series "FG-2000" Aluminum Storefront System, approved on 5/26/00 and expiring on 10/02/03.

Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0903.02
Expiration Date: October 02, 2008
Approval Date: November 06, 2003

VISTAWALL

Standard Flush Glaze Systems



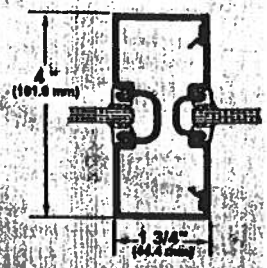


Vistawall offers a complete line of storefront framing systems to meet virtually any application and condition. The Series 1000 is 1¾" x 4" and the Series 2000 is 1¾" x 4½". Both are designed for ¼" glazing but are easily adapted to ⅜" or ½" infills. The Series 3000 (2" x 4½") is designed for 1" but is adaptable to many different infills ranging from ¼" to 1¼".

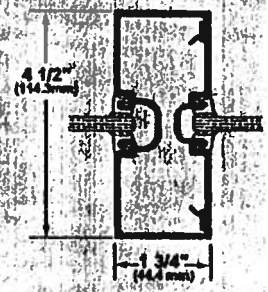
Features:

- Three different assembly methods: Screw Spline, Shear Block, and Stacking
- Installation manuals
- Tested by independant laboratories
  - Air Infiltration: <.06 allowable at 6.24 PSF
  - Water Resistance: 9PSF
- Door framing components
- Sidelite bases to match door bottom rails
- Multiple corner post configurations
- Adjustable and 135° mullions
- Anodized or painted finishes

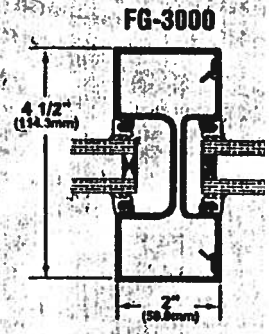
FG-1000



FG-2000



FG-3000



For more information on how Vistawall can meet or exceed your design ideas, call your local sales representative

Vistawall locations:
Headquarters
P.O. Box 629, Terrell, TX 75160
972 551-6100
www.vistawall.com

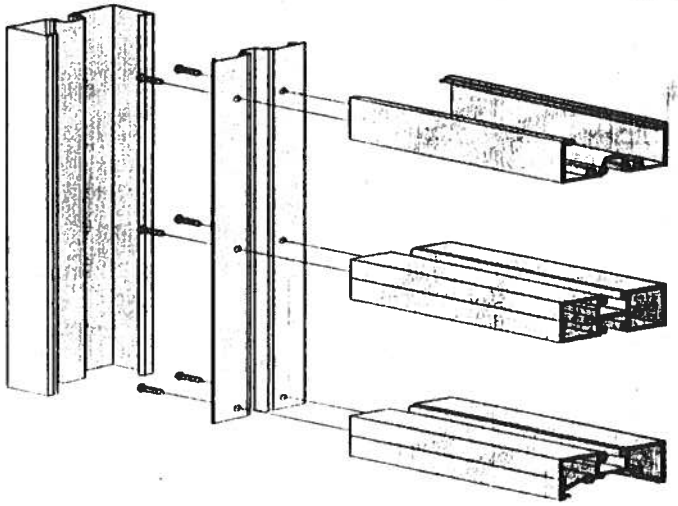
Atlanta, GA	Houston, TX	Seattle, WA
Chicago, IL	Las Vegas, NV	St. Louis, MO
Cincinnati, OH	Los Angeles, CA	Tampa, FL
Cleveland, OH	Modesto, CA	Terrell, TX
Dallas, TX	Newnan, GA	Warwick, RI
Denver, CO.	San Francisco, CA	Washington, DC

VISTAWALL
ARCHITECTURAL PRODUCTS

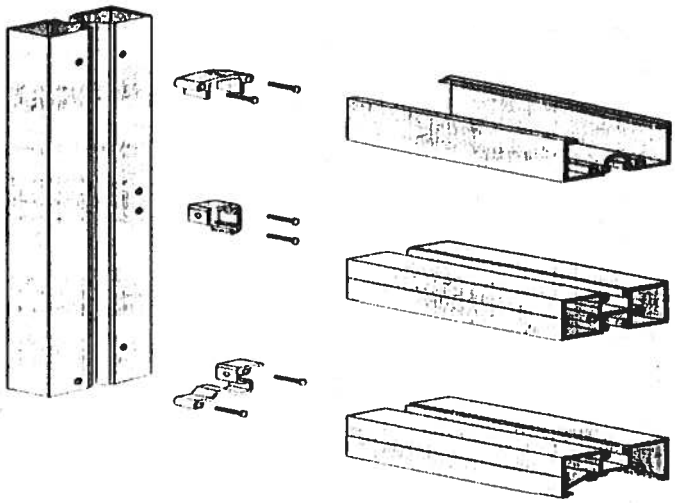
ENGINEERED TO LAST™

Standard Flush Glaze Systems

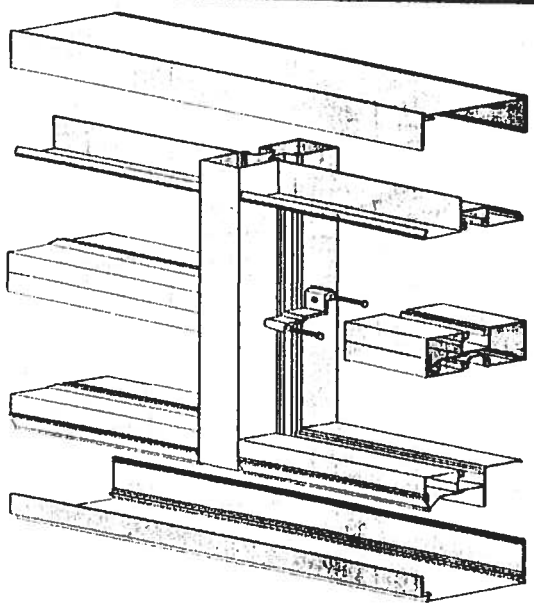
SCREW SPLINE ASSEMBLY



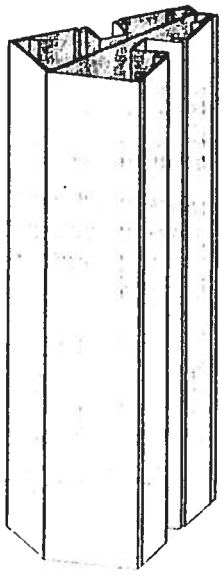
SHEAR BLOCK ASSEMBLY



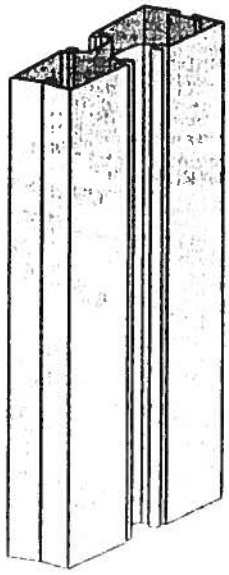
STACK ASSEMBLY



135° CORNER



ADJUSTABLE MULLION



THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

VISTAWALL ARCHITECTURAL PRODUCTS
MODU-LINE WINDOW SYSTEMS
NATURALITE SKYLIGHT SYSTEMS
SKYWALL TRANSLUCENT SYSTEMS

FG-2000
TABLE OF CONTENTS

Note: All Details are shown at 1/4 scale.

NOTE:
Most details shown in this catalog are standard systems for Vistawall. Optional details are non-standard and are meant to illustrate how modifications can be made to meet various design requirements. For more information on our systems and how they can be customized to meet your application, please contact Vistawall via email at design_support@vistawall.com or by phone at 972-551-6100.

FG-2000
FEATURES

- 1 3/4" x 4 1/2" Framing
- Three different assembly methods: Screw Spline, Shear Block, and Stacking
- Installation Manual available
- Door framing components
- Sidelite bases to match door
- Multiple corner post configurations
- Adjustable and 135° mullions
- Anodized and painted finishes

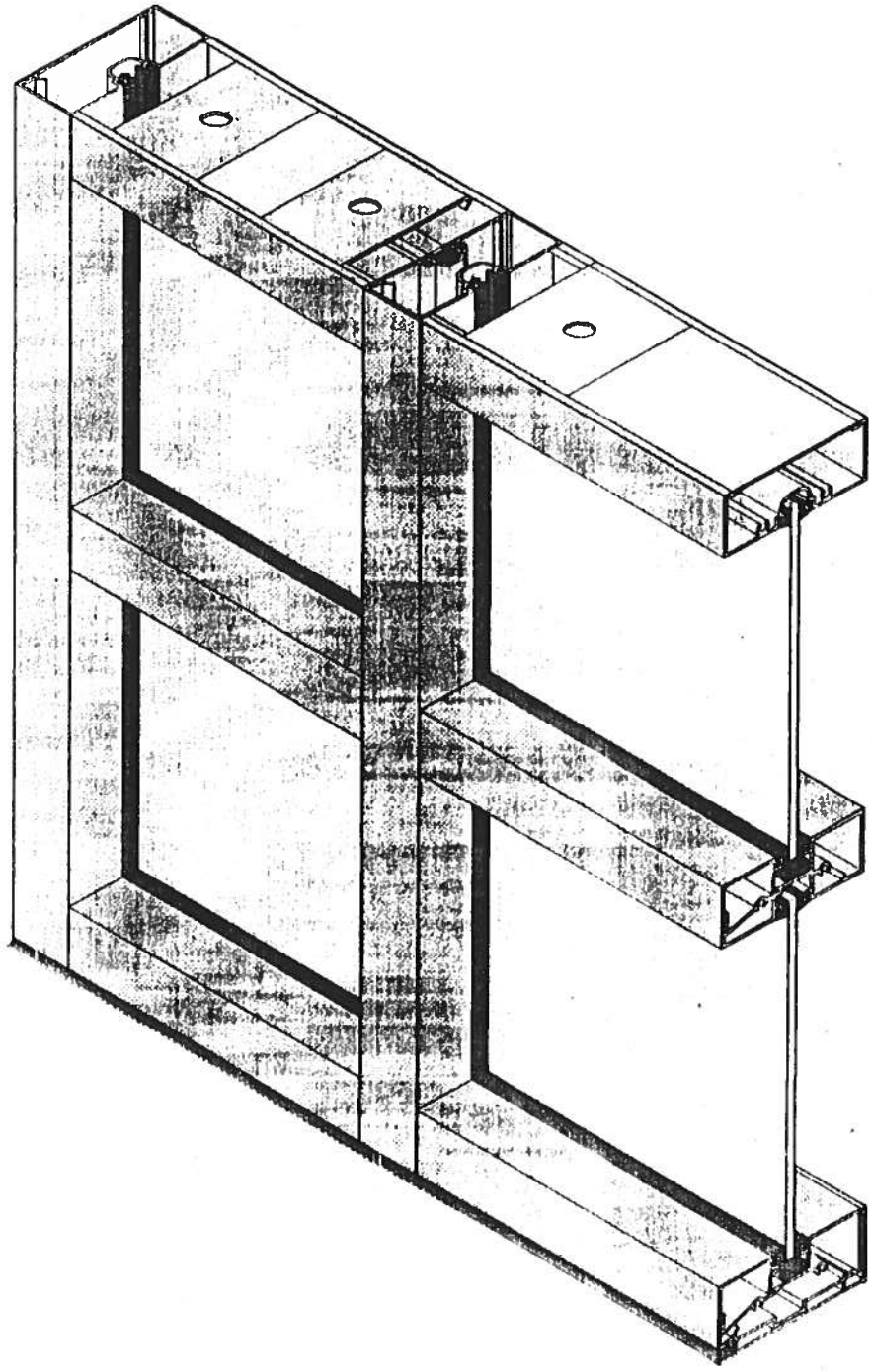
AIR: 0.06 CFM/FT2@6.24psf

Water: No leakage @10.00psf

Structural: 30.0psf

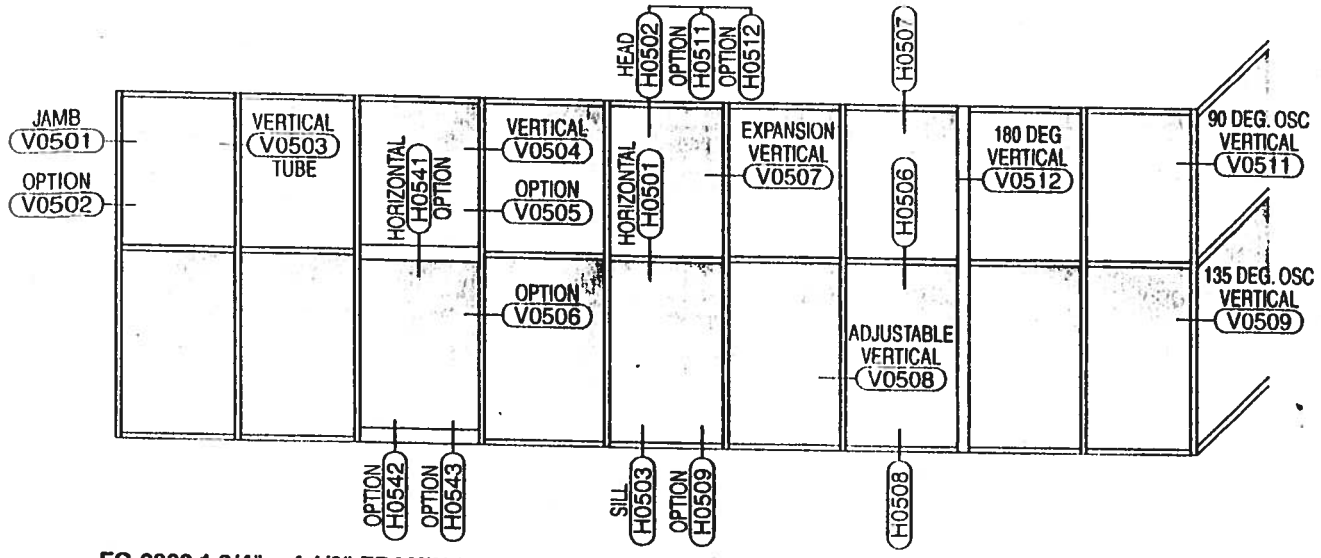
To download 3-part specification go to:

www.vistawall.com/specs/FG2000



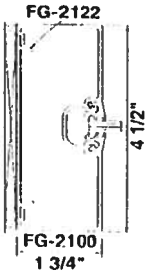
FG-2000 STOREFRONT SYSTEM

Detail Scale = 1/4 Size



FG-2000 1 3/4" x 4 1/2" FRAMING - 1/4" GLASS
WEBSITE MODEL NO. 35FG2
To download full size details: **www.vistawall.com/fg2000**
Drawing numbers shown (ie H0503) are reference to electronic details only.

SCREW SPLINE SYSTEM



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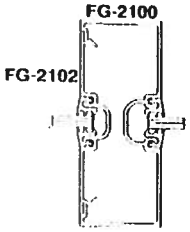

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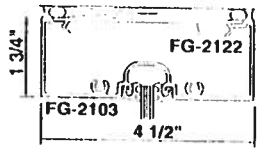

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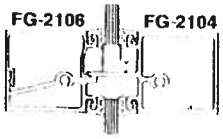

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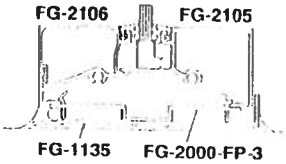
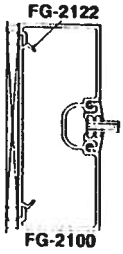


H0503

SHEAR BLOCK SYSTEM



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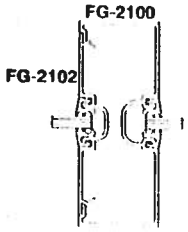

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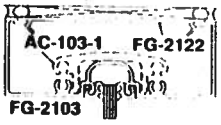

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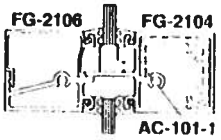

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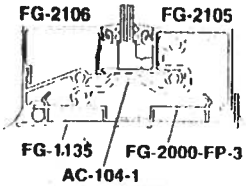

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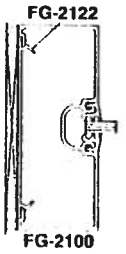
STACKED SYSTEM



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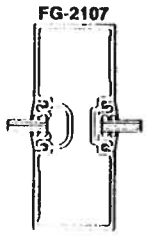

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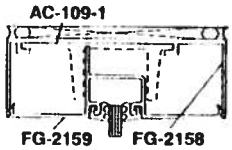

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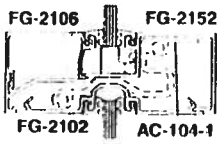

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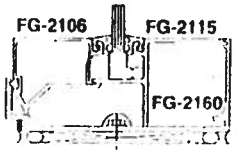
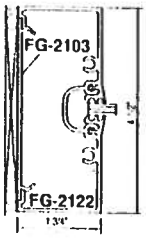


H0508

Detail Scale = 1/4 Size

OPTIONAL FRAMING



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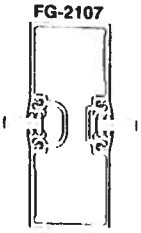

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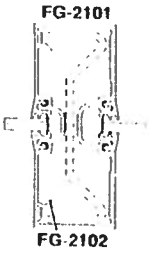

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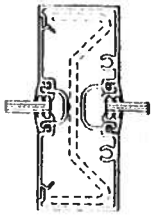

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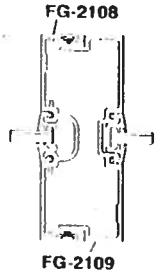
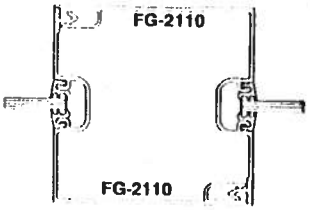


V0507 EXPANSION VERTICAL



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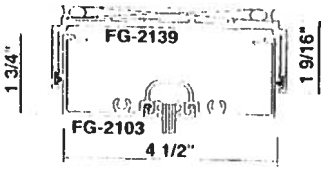

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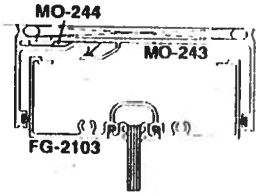

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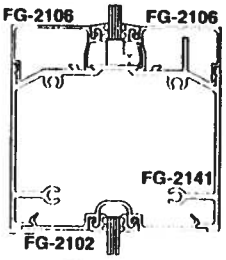

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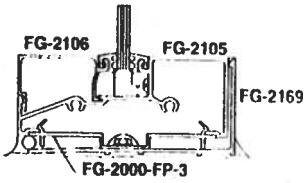

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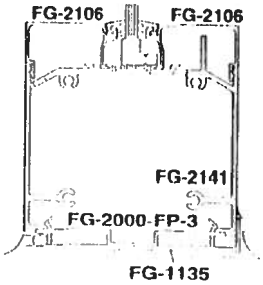

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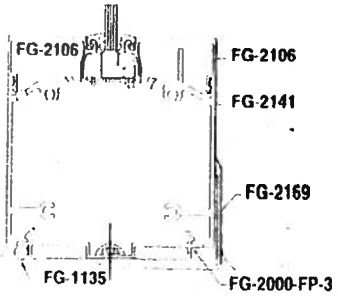
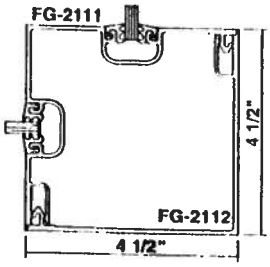


H0543

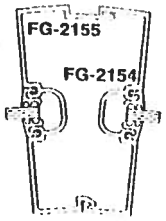
FG-2000 STOREFRONT SYSTEM

Detail Scale = 1/4 Size

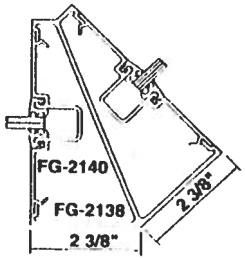
CORNERS



(V0511) 90° OSC



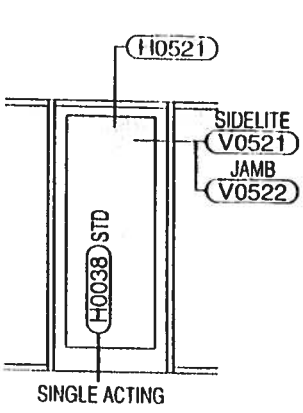
(V0508) ADJUSTABLE VERTICAL

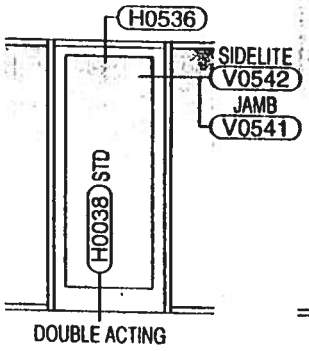


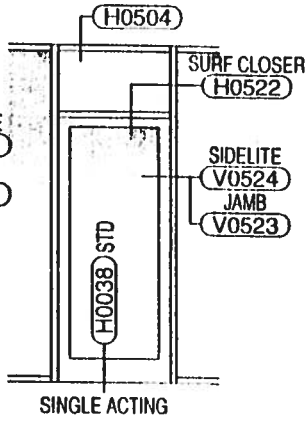
(V0509) 135° OSC

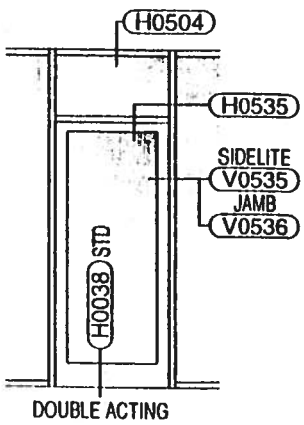
FG-2000 STOREFRONT SYSTEM - ENTRANCE FRAMING

Detail Scale = 1/4 Size









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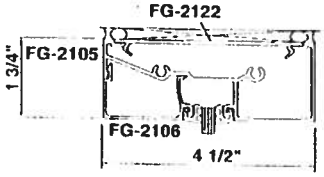

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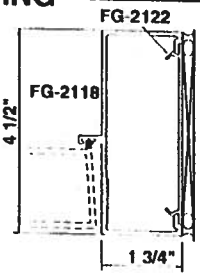

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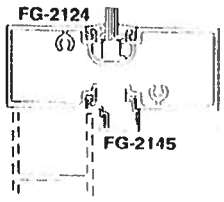

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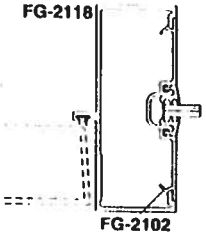

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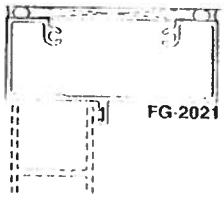

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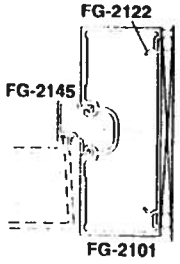

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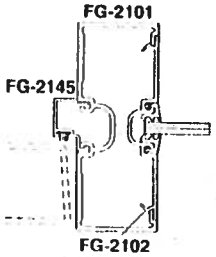

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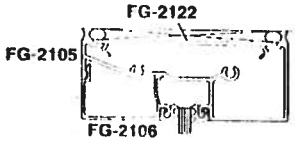
DOUBLE ACTING



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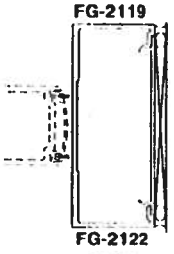

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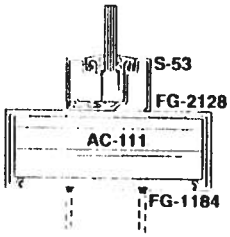

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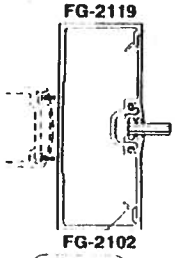

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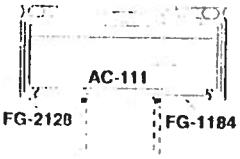

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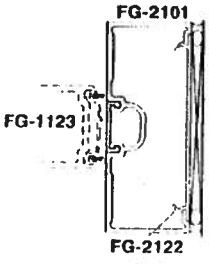

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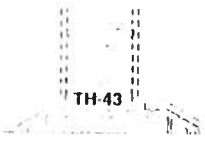

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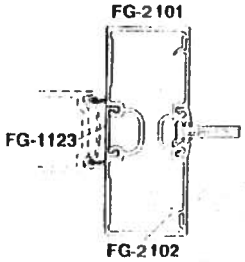
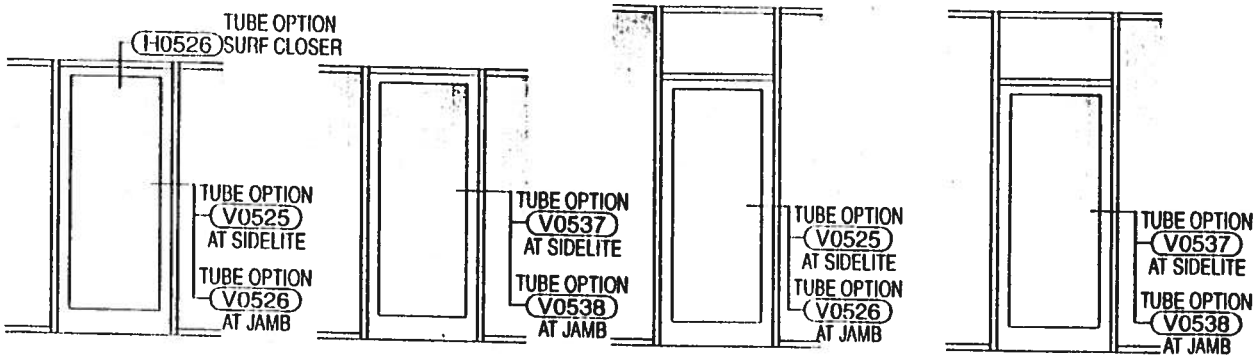


V0535

FG-2000 STOREFRONT SYSTEM

Detail Scale = 1/4 Size



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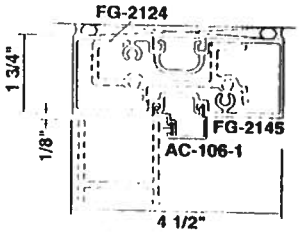

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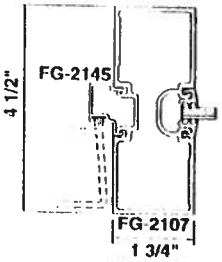

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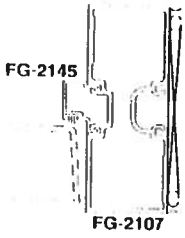

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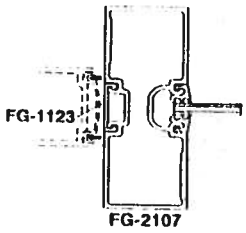

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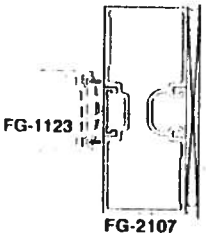
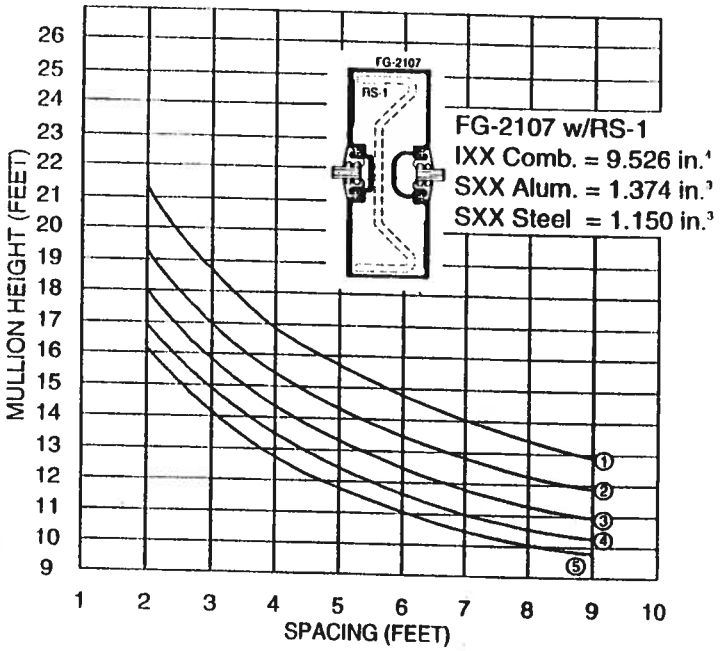


V0538

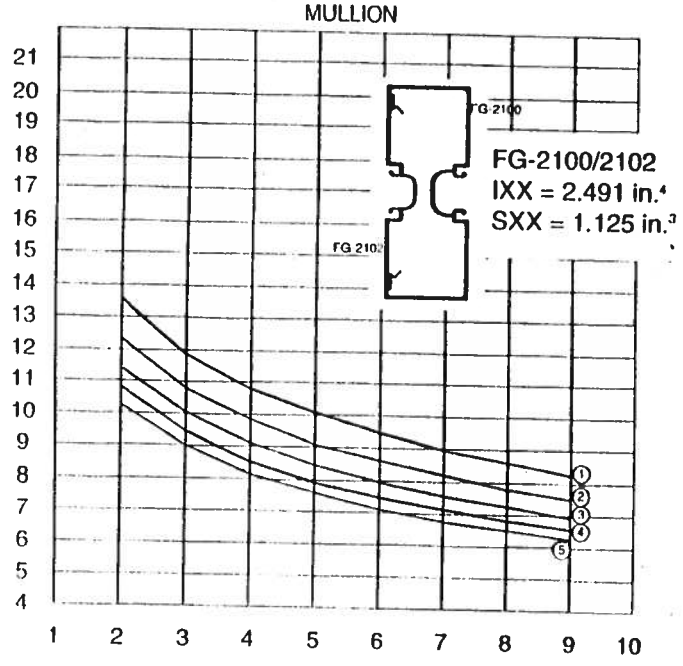
WIND LOAD CHARTS

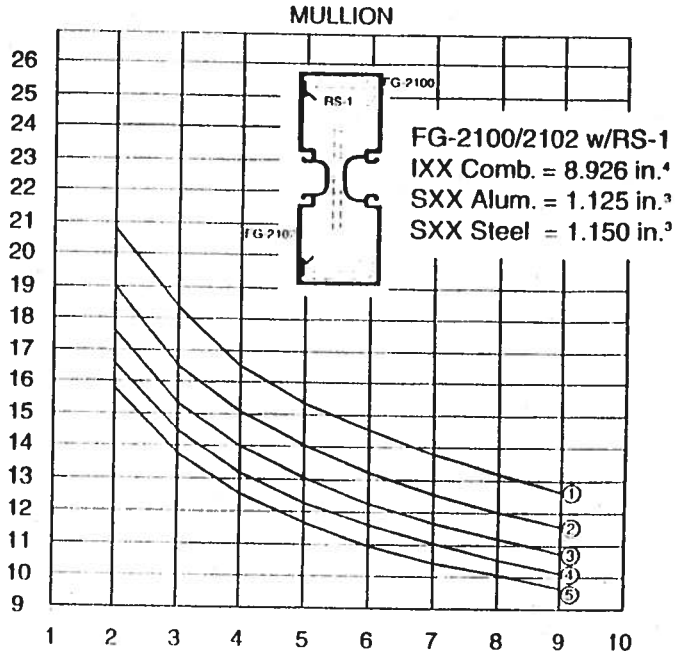
DEFLECTION LIMITED TO L/175
6063-T5



DEFINITION OF CURVES

① = **15 P. S. F.**
② = **20 P. S. F.**
③ = **25 P. S. F.**
④ = **30 P. S. F.**
⑤ = **35 P. S. F.**

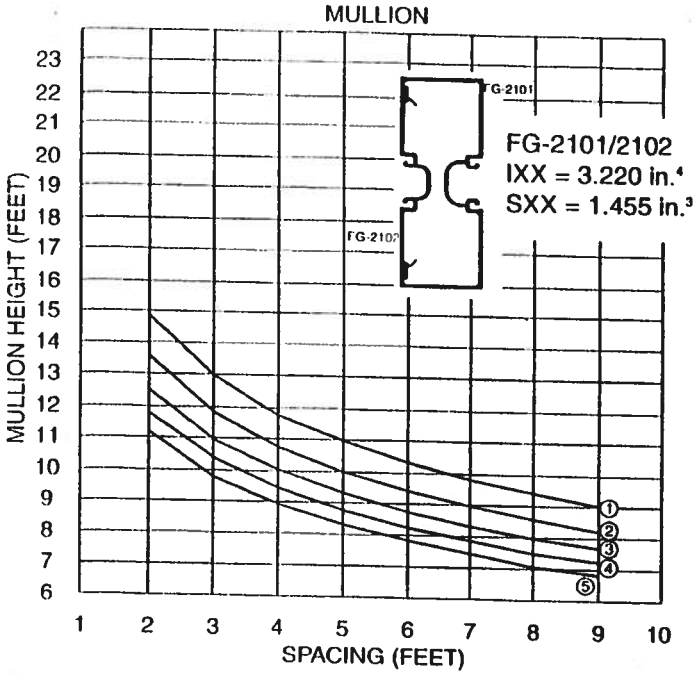


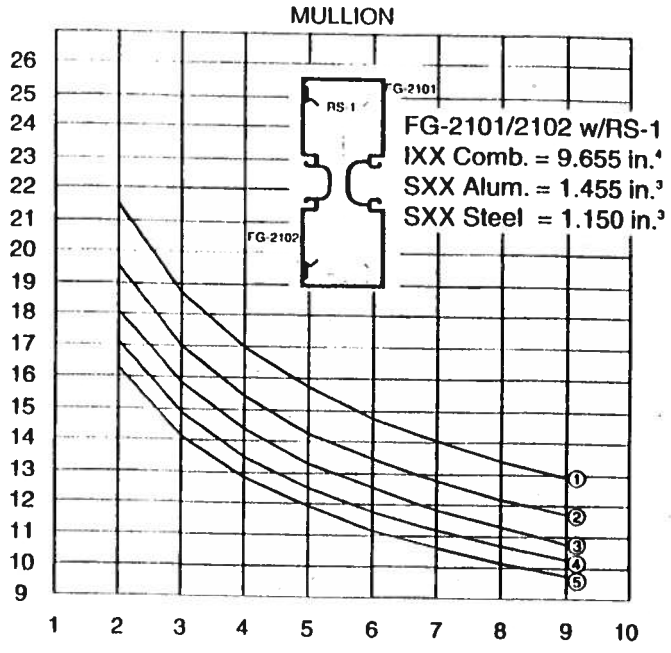


WIND LOAD CHARTS

DEFLECTION LIMITED TO L/175

6063-T5

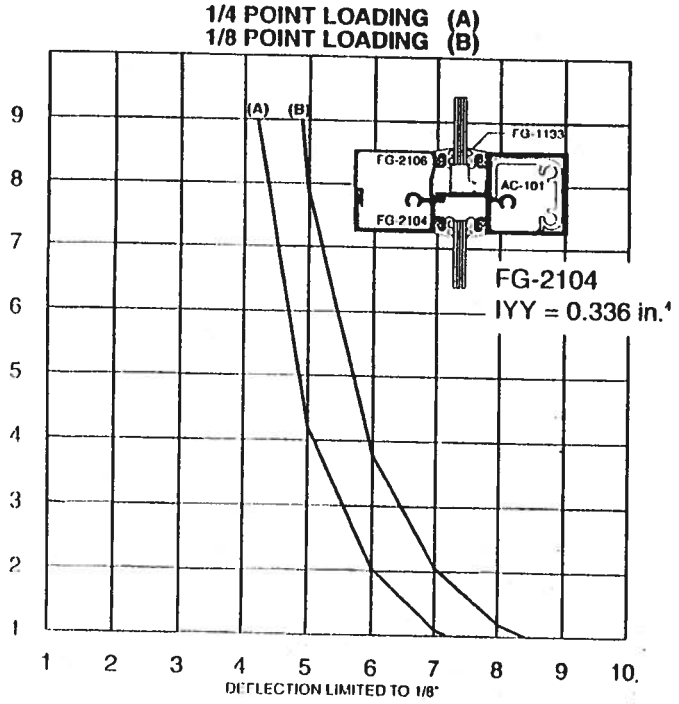




DEFINITION OF CURVES

① = 15 P. S. F.
② = 20 P. S. F.
③ = 25 P. S. F.
④ = 30 P. S. F.
⑤ = 35 P. S. F.

DEAD LOAD CHART



©VISTAWALL ARCHITECTURAL PRODUCTS
EFFECTIVE 08/04

FG-1000, FG-2000 & FG-3000 FLUSH GLAZE SYSTEMS FASTENER CHART

FOR USE IN HIGH WIND LOAD AREAS

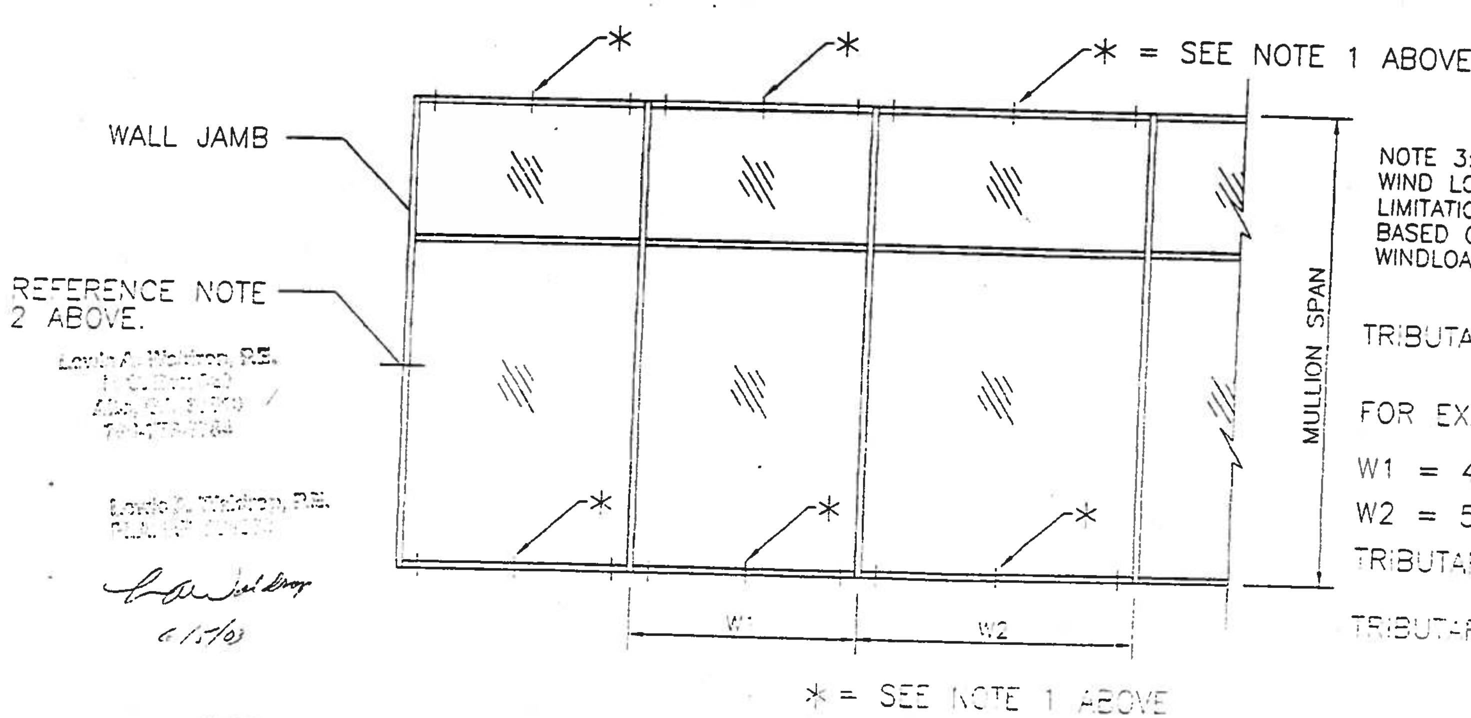
SEE SHEETS 5-15 FOR DOOR FRAME FASTENER CHARTS

GRAPHS ON SHEETS 2-4 SHOW THE REQUIRED NUMBER OF FASTENERS AT EACH SIDE OF VERTICAL MULLIONS

NOTE 1:
IF THE **VERTICAL** MULLION **SPACING** EXCEEDS 3/4 OF THE VERTICAL MULLION HEIGHT, ONE (1) EACH FASTENER IS REQUIRED AT MIDPOINT OF THE **HEAD** AND **SILL** MEMBER. FOR EXAMPLE: VERTICAL MULLION HEIGHT IS 70". VERTICAL MULLION SPACING IS 58". MIDPOINT FASTENER CHECK: 70"x0.75=52 ½". 58" IS GREATER THAN 52 ½", THEREFORE ONE (1) EACH ADDITIONAL FASTENER IS REQUIRED AT MIDPOINT OF **HEAD** AND **SILL**.

NOTE 2:
JAMB MULLIONS **EXCEEDING 6 FT. IN HEIGHT** REQUIRE ONE (1) EACH FASTENER AT MIDPOINT.

NOTE: THESE DETAILS ONLY REPRESENT FASTENERS LOCATIONS. PLEASE REFERENCE SHOP DRAWINGS AND VISTAWALL INSTALLATION INSTRUCTIONS FOR PROPER LOCATION AND APPLICATION OF SEALANTS.



NOTE 3: REFERENCE VISTAWALL WIND LOAD CHARTS FOR STRUCTURAL LIMITATIONS OF VERTICAL MULLIONS BASED ON TRIBUTARY WIDTH & WINDLOADS.

$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$

FOR EXAMPLE:

W1 = 4'-0"

W2 = 5'-0"

$$\text{TRIBUTARY WIDTH} = \frac{4' + 5'}{2}$$

TRIBUTARY WIDTH = 4'-6"

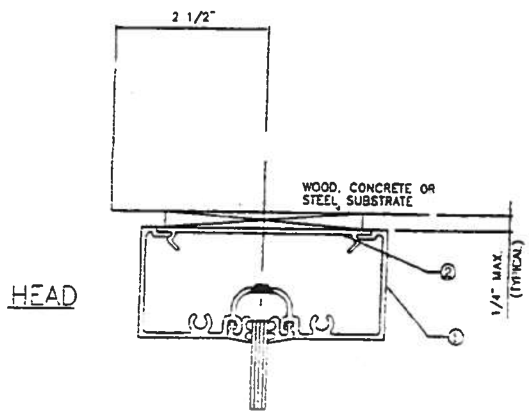
Louis A. Waldron, P.E.

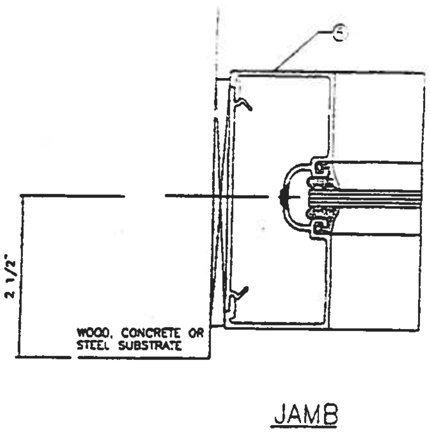
6/15/03

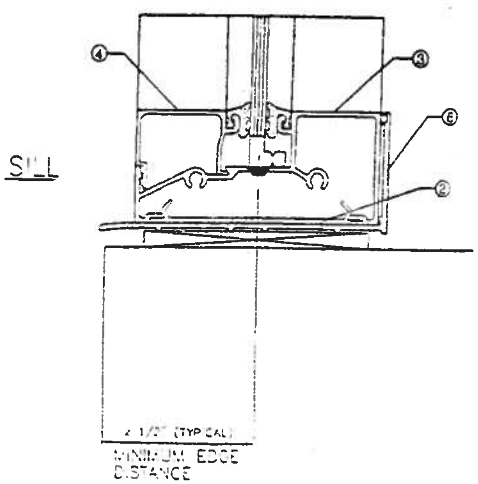
VISTAWALL ARCHITECTURAL PRODUCTS
THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

FG-1000, FG-2000 & FG-3000
FASTENER CHART

DSG 5/15/03
FULL
1 OF 17







RECOMMENDED SPACING OF FASTENERS ON EACH SIDE OF VERTICAL MULLIONS AT HEAD & SILL:

1. EDGE OF VERTICAL TO ℄ OF 1ST FASTENER = 2"
2. ADDITIONAL FASTENERS WILL NOT IMPROVE STRUCTURAL PERFORMANCE.

NOTE: POSITION A SNAP-IN FLAT FILLER NO LESS THAN 18" IN LENGTH AT FASTENER LOCATIONS

Lewis A. Waldrop, P.E.
P. O. Box 623
Alto, GA 30510

6/1/03

STANDARD FRAMING MEMBERS FOR STOREFRONT SYSTEMS				
ITEM NO.	DESCRIPTION	FG-1000	FG-2000	FG-3000
1	HEAD	FG-1103	FG-2103	FG-3103
2	FILLER	FG-1122	FG-2122	FG-2122
3	SILL	FG-1105	FG-2105	FG-3161
4	GLASS STOP	FG-1106	FG-2106	FG-3144
5	JAMB	FG-1100	FG-2100	FG-3100
* 6	FLASHING	FG-2231	FG-2231	FG-3380

DETAILS SHOWN ARE FOR 1/4" GLAZING
1" GLAZING SYSTEM IS SIMILAR.
* NON-STRUCTURAL: ANY FLASHING MEMBER MAY BE SUBSTITUTED

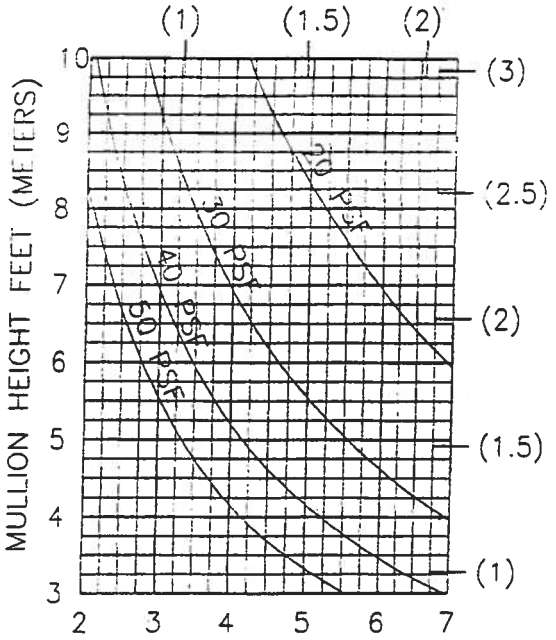
MANUAL COMP

VISTAWALL ARCHITECTURAL PRODUCTS
THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

FG-1000, FG-2000 & FG-3000
FASTENER CHART

DRAWN: DSG DATE: 3/15/03
SCALE: FULL

ANCHOR CHART

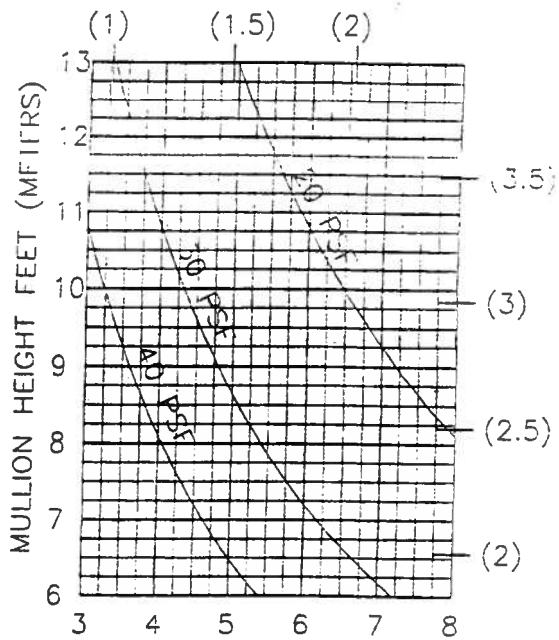


TRIBUTARY WIDTH IN FEET (METERS)

WOOD SUBSTRATE

ONE (1) 1/4" WOOD SCREW W/ 2" MIN. PENETRATION INTO WOOD EACH SIDE OF MULL

ANCHOR CHART



TRIBUTARY WIDTH IN FEET (METERS)

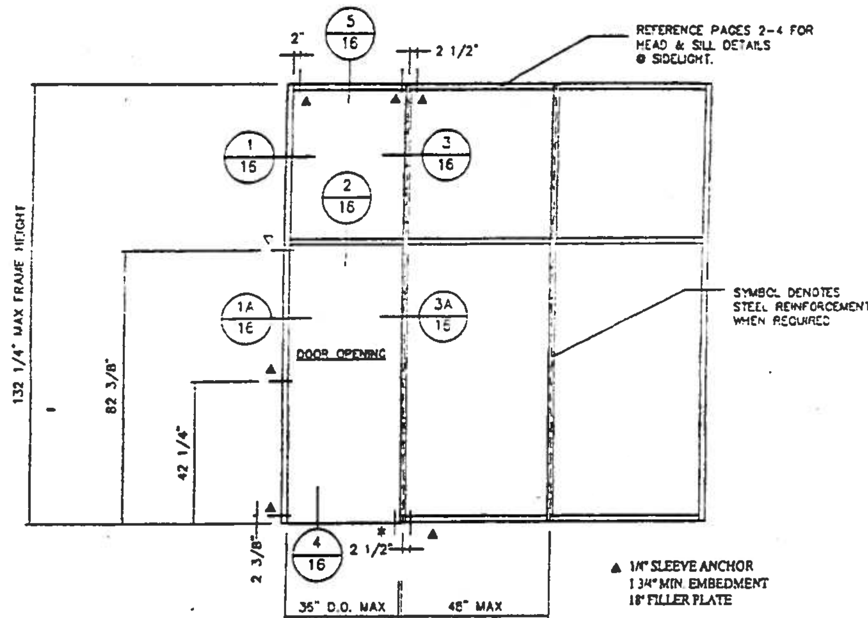
2500 & 3000 PSI CONCRETE SUBSTRATES

ONE (1) 1/4" SLEEVE ANCHOR (ITW RAMSET/RED HEAD OR EQUIV.) WITH 1 3/4" MIN. EMBED. INTO CONCRETE EACH SIDE OF MULL

VISTAWALL ARCHITECTURAL PRODUCTS

FG-1000, FG-2000 & FG-3000 FASTENER CHART

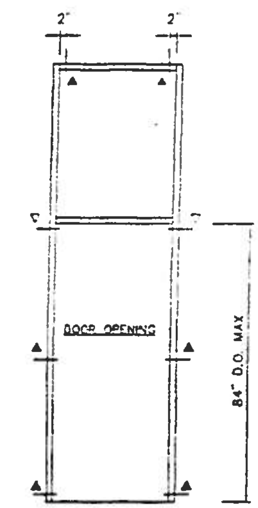
DOOR FRAME FASTENER CHART FOR FG-1000, FG-2000 & FG-3000 FLUSH GLAZE SYSTEMS



▲ 1/4" SLEEVE ANCHOR
1 3/4" MIN. EMBEDMENT
1/8" FILLER PLATE

▽ 1/4" SLEEVE ANCHOR
1 3/4" MIN. EMBEDMENT
1/4" FILLER PLATE

* 1/4" SLEEVE ANCHOR
1 3/4" MIN. EMBEDMENT



FRAMES WITHOUT SIDELITE

NON-STRUCTURAL FASTENERS MAY BE REQUIRED FOR ATTACHING THE THRESHOLD IN THE OPENING

2500 OR 3000 PSI CONCRETE SUBSTRATE

WIND LOAD	ANCHOR SIZE AND TYPE ¹					
	JAMB ADJACENT TO SIDE LIGHT ²		JAMB ADJACENT TO STRUCTURE			
	HEAD	SILL	HEAD	TRANSOM ³	MID DOOR	SILL
20 PSF	2 EA 1/4" DIA SLEEVE ANCHORS	2 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS
30 PSF	2 EA 1/4" DIA SLEEVE ANCHORS	2 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS
40 PSF	2 EA 1/4" DIA SLEEVE ANCHORS	2 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS	1 EA 1/4" DIA SLEEVE ANCHORS

1. ANCHOR LOCATION AND DIMENSION SHOWN ON ELEVATION ARE FOR MAXIMUM NUMBER OF ANCHORS. FOR WINDLOADS REQUIRING LESS THAN MAXIMUM NUMBER OF ANCHORS, DELETE THE ONES ON THE OUTSIDE OF THE GROUP.
2. SIDE LIGHT UP TO AND INCLUDING 48" WIDE
3. USE 24" FILLER PLATE WITH LAG BOLTS AT THIS LOCATION (SEE TRANSOM)

NOTE: HILTI H.C. RAMSET/REDHEAD POWERBOLT OR DYNABOLT SLEEVE ANCHORS MAY BE USED.

STAINLESS STEEL SLEEVE TYPE ANCHORS MAY BE SUBSTITUTED FOR SLEEVE ANCHORS, PROVIDED FASTENER MANUFACTURER WARRANTS THEIR PRODUCT FOR THIS TYPE OF INSTALLATION.

FASTENERS HAVING A ROCKWELL HARDNESS GREATER THAN 35 ARE SUBJECT TO HYDROGEN ASSISTED CORROSION CRACKING (HASCC) WHEN IN CONTACT WITH ALUMINUM IN THE PRESENCE OF MOISTURE.

TH-56 THRESHOLD MUST BE USED ON DOOR FRAME FOR WIND LOADS EXCEEDING 40 PSF. TWO (2) EACH SPLINE JOINERY SCREWS ARE USED TO ATTACH THRESHOLD TO EACH JAMB.

TH-42 THRESHOLD WITH TH-FG-3 CLIP MAY BE SUBSTITUTED FOR TH-56 THRESHOLD WHEN WIND LOADS DO NOT EXCEED 40 PSF.

[signature] 6/11/03

VISTAWALL ARCHITECTURAL PRODUCTS
314 WALT SANDERS MEMORIAL BLVD. NEWNAN, GA 30265

THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

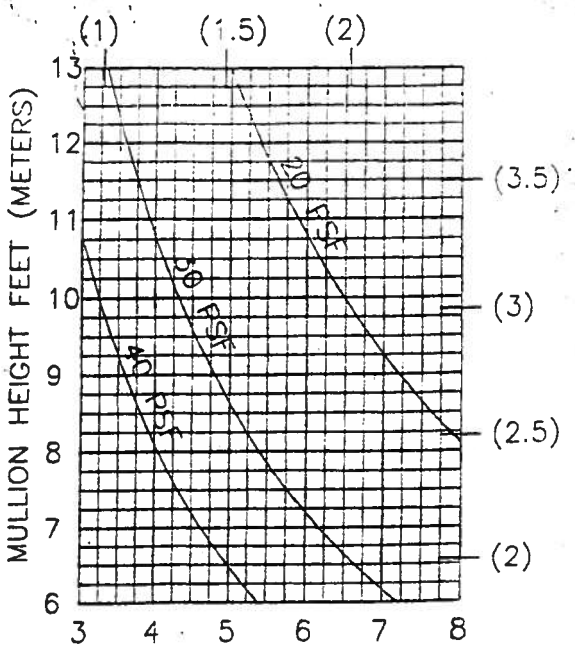
FG-1000, FG-2000 & FG-3000
FASTENER CHART

MANUAL COMP.

SCALE: FULL

8 OF

ANCHOR .CHART



TRIBUTARY WIDTH IN FEET (METERS)

STEEL SUBSTRATE

ONE (1) 1/4" DIAM. TEK EACH SIDE OF MULL
STEEL : FY = 36 KSI MIN.
MINIMUM EDGE DISTANCE EQUALS 1.5 X BOLT DIAMETER.

Lewis A. Waldrop, P.E.
P. O. Box [illegible]
Alto, GA 30510
706-776-3784

Lewis A. Waldrop, P.E.
FLA. P.E. #21959

6/10/03

VISTAWALL ARCHITECTURAL PRODUCTS
THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

FG-1000, FG-2000 & FG-3000
FASTENER CHART

DSG 5/13/03
FULL

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 17-4S-17-08583-010 **Building permit No.** 000024382

Use Classification SIGN BUSINESS **Fire:** 18.54

Permit Holder JAMES NORTON **Waste:** 0.00

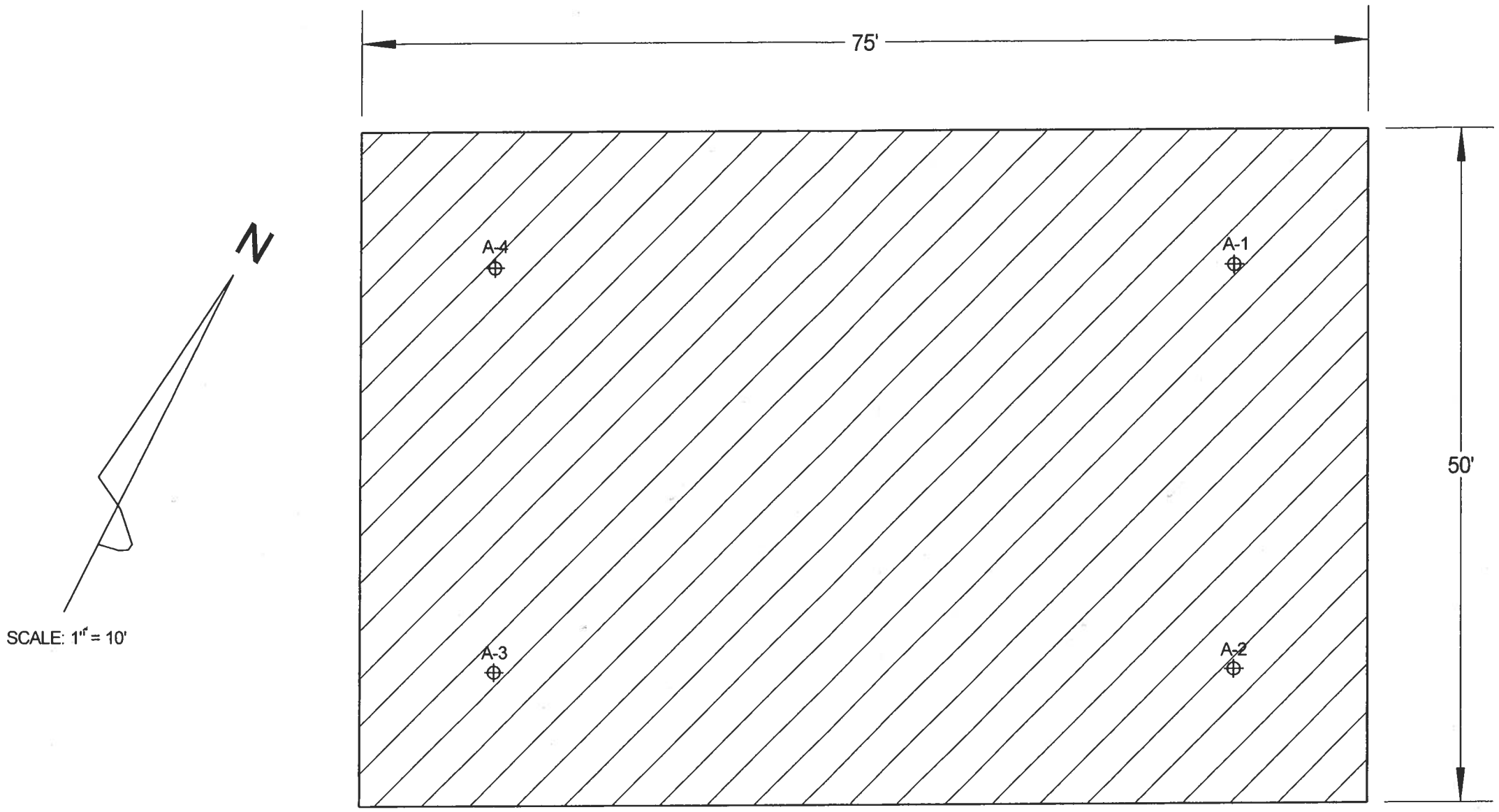
Owner of Building LARRY & LASHAUN PERRY **Total:** 18.54 pd

Location: 4180 S US HIGHWAY 441

Date: 07/18/2006

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



SCALE: 1" = 10'

REVISIONS							NAMES	DATE
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DRAWN BY	S.C. Young	4/11/06
						CHECKED BY	J.C. Dorman	
						CHECKED BY		
						APPROVED BY	J.C. Dorman	
						CAL-TECH JOB NO.		06-216

ENGINEER OF RECORD
CAL- TECH TESTING, INC.
P.O. BOX 1625
LAKE CITY, FL. 32056
PHONE NO. (386) 755-3633
FAX NO. (386) 752-5456

SEAL

JOHN C. DORMAN, JR.
P.E. 52612

PROPOSED WELDING SHOP
LAKE CITY, FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT I.D.
	COLUMBIA	

BORING LOCATION PLAN

SHEET NO.
1 of 2

A-1

Water Table: 7.5 ft.

Depth (ft)	Equivalent N-Value	Soil Description
0 ft	13	Medium Dense, Tannish Grey Sand with Silt, Trace Organics (SP/SM)
	4	Loose, Greyish Tan Sand with Silt, Trace Organics (SP/SM)
	14	Medium Dense, Tan Sand with Silt (SP/SM)
	21	Medium Dense, Light Greyish Tan and Orange, Clayey Sand (SC)
	76	Very Dense, Tan, Light Grey and Orange, Very Clayey Sand (SC)
5 ft	70	
	90	Very Dense, Light Grey, Red and Orange, Clayey Sand (SC)
	69	
	61	Dense to Very Dense, Light Grey, Red and Orange, Slightly Clayey Sand (SC)
	40	
10 ft		TOB

A-2

Water Table: 7.5 ft.

Depth (ft)	Equivalent N-Value	Soil Description
0 ft	13	Medium Dense, Tannish Grey Sand with Silt, Trace Organics (SP/SM)
	5	Loose, Greyish Tan Sand with Silt, Trace Organics (SP/SM)
	6	Loose, Tan Sand with Silt (SP/SM)
	17	Medium Dense, Light Greyish Tan and Orange, Clayey Sand (SC)
	30	Medium Dense, Tan, Light Grey and Orange, Very Clayey Sand (SC)
5 ft	50	
	50	Very Dense, Light Grey, Red and Orange, Clayey Sand (SC)
	50	
	50	Very Dense, Light Grey, Red and Orange, Slightly Clayey Sand (SC)
	50	
10 ft		TOB

A-3

Water Table: 9.5 ft.

Depth (ft)	Equivalent N-Value	Soil Description
0 ft	17	
	6	Loose to Medium Dense, Tannish Grey Sand with Silt, Trace Organics (SP/SM)
	20	
	41	Dense, Orangish Tan and Grey, Clayey Sand (SC)
	40	Dense, Orangish Tan and Red, Very Clayey Sand (SC)
5 ft	48	Dense, Light Grey and Orange, Very Clayey Sand (SC)
	50+	Very Dense, Light Grey, Orange and Red, Clayey Sand (SC)
	50+	
	45	Dense, Light Grey and Red, Slightly Clayey Sand (SC)
	37	Dense, Light Grey and Red, Clayey Sand (SC)
10 ft		TOB

A-4

Water Table: N/A

Depth (ft)	Equivalent N-Value	Soil Description
0 ft	11	Medium Dense, Greyish Tan Sand with Silt, Trace Organics (SP/SM)
	4	
	9	Loose, Tan, Clayey Sand (SC)
	6	
	22	
5 ft	41	Medium Dense to Dense, Light Grey, Orange and Red, Very Clayey Sand (SC)
	33	
	30	Medium Dense, Light Grey, Light Orange and Red, Clayey Sand (SC)
	34	Dense, Red and Light Grey, Slightly Clayey Sand (SC)
	45	Dense, Light Grey and Orange, Clayey Sand (SC)
10 ft		TOB

ENGINEERING CLASSIFICATION

GRANULAR MATERIALS-

Relative Density	SPT (Blows/12 inches)
Very Loose	Less than 4
Loose	4-10
Medium Dense	11-30
Dense	31-50
Very Dense	Greater than 50

SILTS AND CLAYS-

Consistency	SPT (Blows/12 inches)
Very Soft	Less than 2
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Very Stiff	16-30
Hard	Greater than 30

LEGEND:

TOB	Termination of Boring
GSE	Ground Surface Elevation
▽	Ground Water at Time of Drilling
V	Wet Season Water Table
N	Standard Penetration Resistance in Blows Per 12 inches (18- inch Spoon, ASTM D-1586)
WOR	Weight of Rod
WOH	Weight of Hammer
MC	Moisture Content (%)
OC	Organic Content (%)
-200	Percent Passing No. 200 U.S. Standard Sieve
LL	Liquid Limit
PI	Plasticity Index
(SP)	Unified Soil Classification Based on Visual Observation and Laboratory Tests

SAND · SILTY SAND · SAND with SILT · CLAYEY SAND · SAND with CLAY · SANDY CLAY · CLAY · LIMESTONE · MARL · ORGANICS

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATE
DRAWN BY	S.C. Young	4/11/06
CHECKED BY	J.C. Dorman	
CHECKED BY		
APPROVED BY	J.C. Dorman	
CAL-TECH JOB NO.	06-216	

ENGINEER OF RECORD
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SEAL

JOHN C. DORMAN, JR.
P.E. 52612

PROPOSED WELDING SHOP
LAKE CITY, FLORIDA

ROAD NO.	COUNTY	FINANCIAL PROJECT I.D.
	COLUMBIA	

REPORT OF SOIL BORINGS

BUILDING CRITERIA

Width (ft)	=	50.0
Length (ft)	=	75.0
Eave Height (ft)	=	18.0/18.0
Roof Slope (Rise/12)	=	1.0/ 1.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	0.0
Roof Live Load (psf)	=	20.0
Frame Live Load (psf)	=	12.0
Wind Speed (mph)	=	110.0
Wind Code	=	FBC 04
Exposure	=	B
Closed/Open/Partial	=	C
Importance – Wind	=	1.00
Importance – Seismic	=	1.00
Seismic Coeff (Fa*Ss)	=	0.22

NOTES TO ERECTOR/OWNER:

[1] "SBS" IS NOT RESPONSIBLE FOR THE ERECTION OF THE BUILDING, THE SUPPLY OF ANY TOOLS OR EQUIPMENT, OR ANY OTHER FIELD WORK UNLESS "SBS" HAS BEEN CONTRACTED FOR THESE. "SBS" DOES NOT PROVIDE ANY FIELD SUPERVISION FOR THE ERECTION OF THE BUILDING, NOR DOES "SBS" PERFORM ANY INSPECTIONS DURING OR AFTER ERECTION.

[2] USE ONLY THE ERECTION DRAWINGS PROVIDED BY "SBS" AND INCLUDED IN THE ERECTOR'S PACKAGE DELIVERED BY THE TRUCK DRIVER WITH THE BUILDING. "SBS" IS NOT LIABLE FOR ANY CLAIM RESULTING FROM THE USE OF OTHER DRAWINGS.

[3] CHECK SLAB AND ANCHOR BOLT PLACEMENTS BEFORE STANDING ANY FRAMING. IF THE SLAB IS NOT SIZED CORRECTLY OR IS OUT OF SQUARE, OR IF THE ANCHOR BOLTS ARE NOT CORRECTLY LOCATED, CALL "SBS". "SBS" IS NOT LIABLE FOR LABOR CHARGES RESULTING FROM STANDING FRAMING ON AN INCORRECT SLAB.

[4] BEGIN ERECTION WITH A BRACED BAY. INSTALL THE EAVE STRUTS FIRST AND THEN THE PURLINS WHICH FALL AT THE CABLE ATTACHMENT POINTS. NEXT, INSTALL ROOF AND WALL CABLES TO A SNUG CONDITION, SO THAT THE FRAMING IS BRACED. FINISH INSTALLING PURLINS AND GIRTS IN THE BRACED BAY. USING THE THE CABLE BRACING, SQUARE AND PLUMB THE FRAMING. CONTINUE WITH REMAINING BAYS, INSTALLING BRACING AS ADDITIONAL BRACED BAYS ARE ERECTED.

[5] THE CORRECTION OF MINOR MISFITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS INTO LINE, MODERATE AMOUNTS OF REAMING, CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORTAGES OF MATERIAL ARE A NORMAL PART OF ERECTION AND ARE NOT SUBJECT TO CLAIM. CONTACT "SBS" BEFORE MAKING ANY FIELD MODIFICATION TO THE BUILDING. "SBS" DOES NOT PAY CLAIMS FOR ERROR CORRECTION UNLESS APPROVED IN WRITING BY "SBS" BEFOREHAND.

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

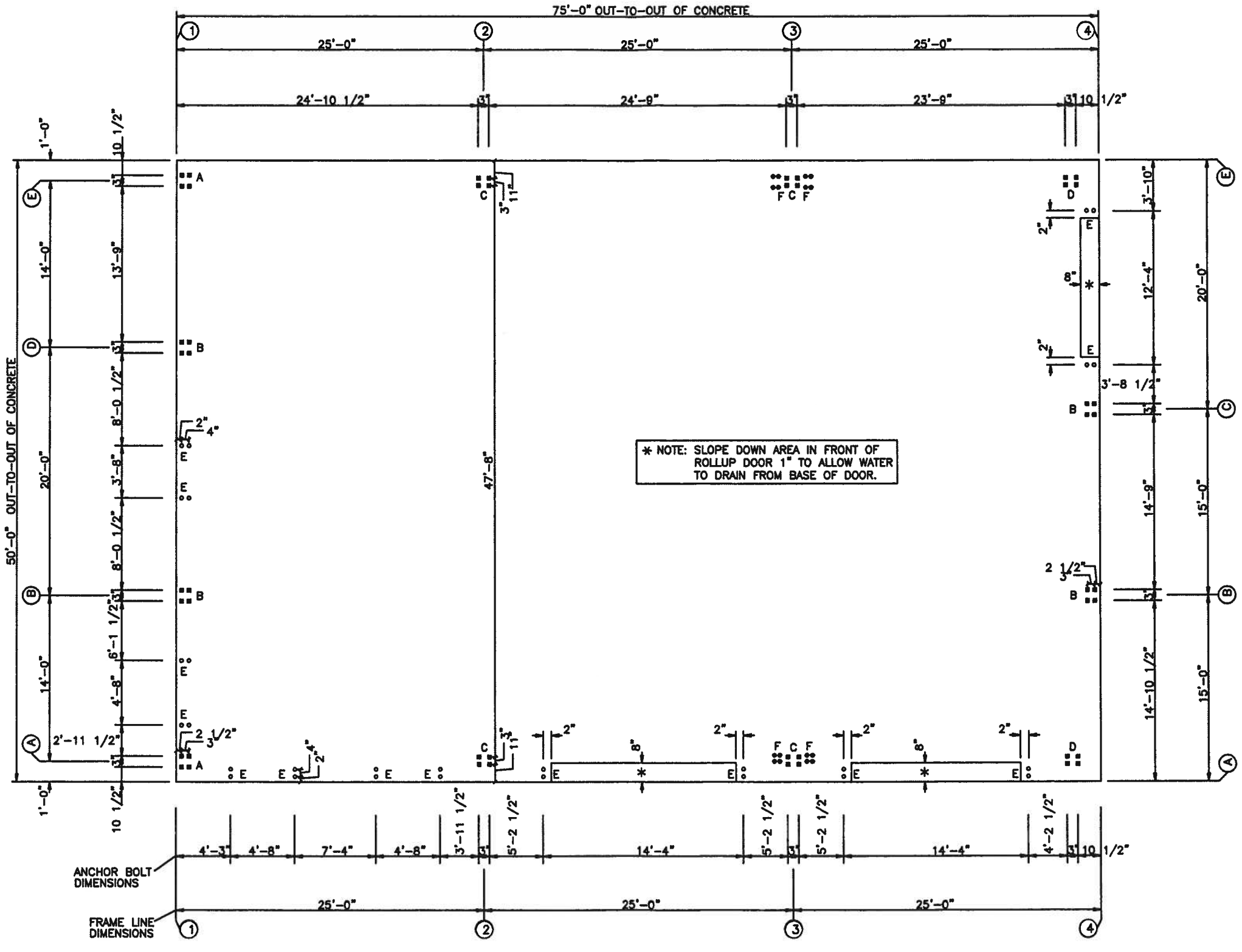
REVISIONS
[1]
[2]
[3]
[4]
[5]

FOR:
LARRY PERRY, JR.
41765 US HIGHWAY 441
LAKE CITY, FLORIDA 32025
LOCATION: COLUMBIA CO., FLORIDA

FROM:
SBS
STEEL BUILDING SYSTEMS, INC.
200 STEVENS LANE - P.O. BOX 447
ADEL, GEORGIA 31620
PH(229)896-7428 FAX(229)896-2881

JOB NO : 06-01-002
DATE : 1/ 6/2006
BY : CFR
SCALE : NONE
TITLE : COVER PAGE
NUMBER :
PAGE 0

○ DIA= 5/8"
⊠ DIA= 3/4"
⊕ DIA= 7/8"



ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (Unless Noted)

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

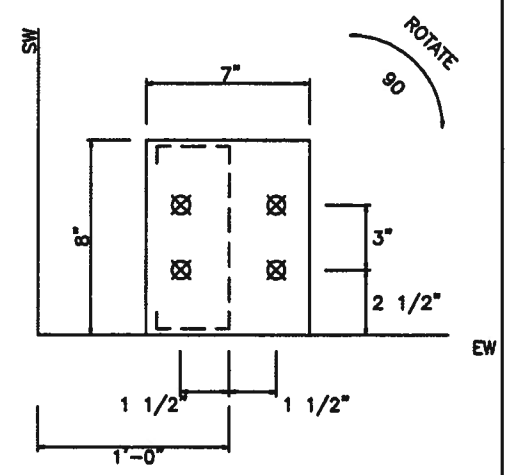
STRUCTURAL STAMP

1/12/06

SBS STEEL BUILDING SYSTEMS, INC.

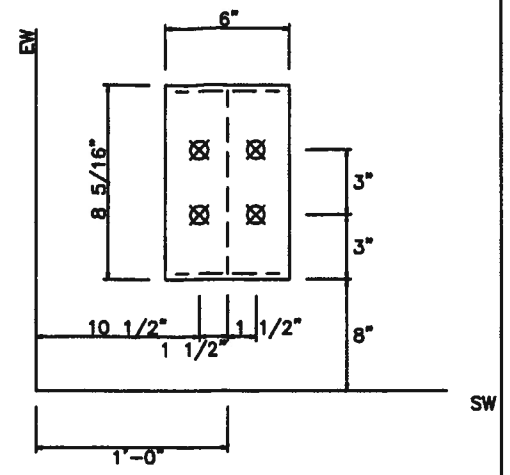
REVISIONS	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: ANCHOR BOLT LAYOUT		SCALE: NONE
	DRAWING NO: PAGE 1	DRAWN BY: CFR	CHECKED BY: HEF

DIA= 3/4"



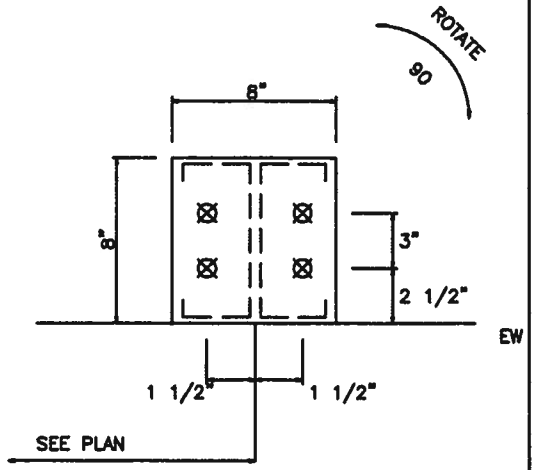
DETAIL A

DIA= 3/4"



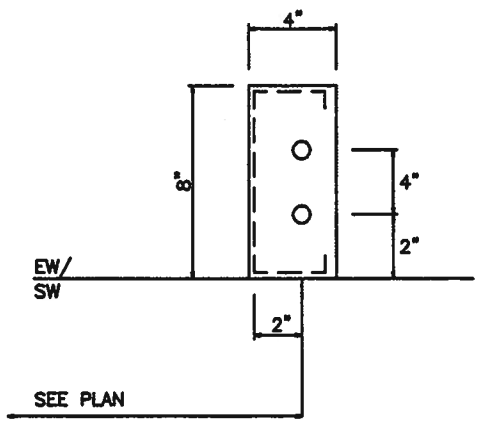
DETAIL D

DIA= 3/4"



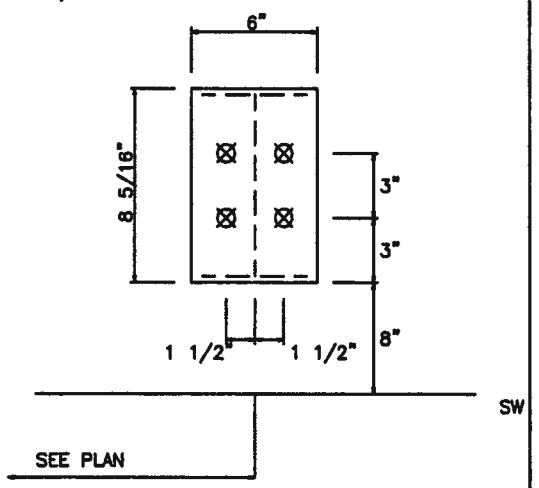
DETAIL B

DIA= 5/8"



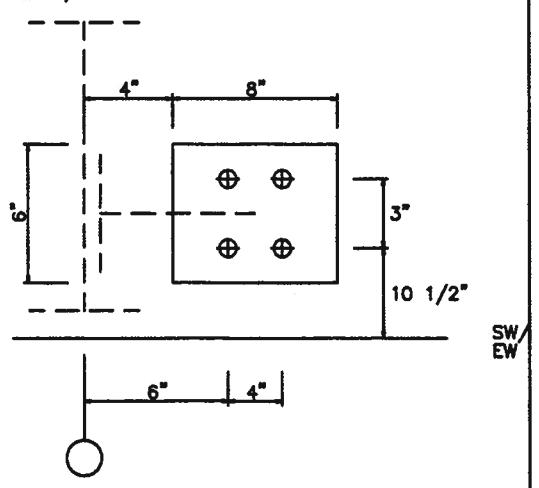
DETAIL E

DIA= 3/4"



DETAIL C

DIA= 7/8"



DETAIL F

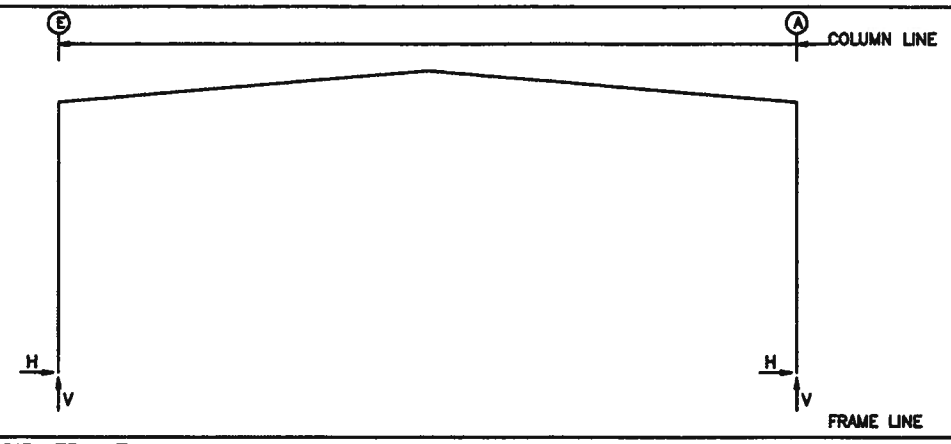
ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

1/10/06

SBS STEEL BUILDING SYSTEMS, INC.

REVISIONS			
	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: ANCHOR BOLT DETAILS		SCALE: NONE
	DRAWING NO: PAGE 1.1	DRAWN BY: CFR	CHECKED BY: HEF



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. No	Bolt D(in)	Base Wid	Plate Len	Plate Thk	Grout (in)
2	E	1	3.7	9.4	2	−5.1	−9.0	4	0.750	6.000	8.311	0.500	0.0
2	A	3	5.1	−9.0	1	−3.7	9.4	4	0.750	6.000	8.311	0.500	0.0
		1	−3.7	9.4	3	5.1	−9.0						

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. No	Bolt D(in)	Base Wid	Plate Len	Plate Thk	Grout (in)
3	E	1	3.7	9.4	2	−5.1	−9.0	4	0.750	6.000	8.311	0.500	0.0
3	A	3	5.1	−9.0	1	−3.7	9.4	4	0.750	6.000	8.311	0.500	0.0
		1	−3.7	9.4	3	5.1	−9.0						

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. No	Bolt D(in)	Base Wid	Plate Len	Plate Thk	Grout (in)
4	E	1	3.7	9.4	2	−5.1	−9.0	4	0.750	6.000	8.311	0.500	0.0
4	A	3	5.1	−9.0	1	−3.7	9.4	4	0.750	6.000	8.311	0.500	0.0
		1	−3.7	9.4	3	5.1	−9.0						

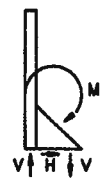
NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data:

Width (ft)	=	50.0
Length (ft)	=	75.0
Eave Height (ft)	=	18.0/18.0
Roof Slope (Rise/12)	=	1.0/ 1.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	0.0
Roof Live Load (psf)	=	20.0
Frame Live Load (psf)	=	12.0
Wind Speed (mph)	=	110.0
Wind Code	=	FBC 04
Exposure	=	B
Closed/Open/Partial	=	C
Importance − Wind	=	1.00
Importance − Seismic	=	1.00
Seismic Coeff (Fa*Sa)	=	0.22

5. Loading conditions are:
   1 DL+CL+LL
   2 0.60DL+WL1
   3 0.60DL+WR1
   4 0.60DL+WL1+WS
   5 0.60DL+WR1+WS
   6 0.60DL+WP+LnWndL
   7 DL+CL+0.75LL+0.75WR2+0.75WS

WIND COLUMN REACTIONS



Wall Loc	Wall Line	Col Line	R/L	Load_Id	± Reactions Horz (k)	± Reactions Vert (k)	Moment (f−k)	Anc_Bolt No	Anc_Bolt Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick
F_SW	A	3	L	Wind	1.67	39.99	26.66	4	0.875	6.00	8.00	0.50
				Seismic	0.10	2.46	1.64					
F_SW	A	3	R	Wind	1.67	39.99	26.66	4	0.875	6.00	8.00	0.50
				Seismic	0.10	2.46	1.64					
B_SW	E	3	L	Wind	1.67	39.99	26.66	4	0.875	6.00	8.00	0.50
				Seismic	0.10	2.46	1.64					
B_SW	E	3	R	Wind	1.67	39.99	26.66	4	0.875	6.00	8.00	0.50
				Seismic	0.10	2.46	1.64					

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_L1 Horiz	Wind_L1 Vert	Wind_R1 Horiz	Wind_R1 Vert	Wind_L2 Horiz	Wind_L2 Vert
2	E	0.65	1.86	0.00	0.00	3.05	7.50	−5.53	−10.09	−0.12	−6.26	−5.24	−5.94
2	A	−0.65	1.86	0.00	0.00	−3.05	7.50	0.12	−6.26	5.53	−10.09	−0.17	−2.11
3	E	0.65	1.86	0.00	0.00	3.05	7.50	−5.53	−10.09	−0.12	−6.26	−5.24	−5.94
3	A	−0.65	1.86	0.00	0.00	−3.05	7.50	0.12	−6.26	5.53	−10.09	−0.17	−2.11
4	E	0.65	1.86	0.00	0.00	3.05	7.50	−5.53	−10.09	−0.12	−6.26	−5.24	−5.94
4	A	−0.65	1.86	0.00	0.00	−3.05	7.50	0.12	−6.26	5.53	−10.09	−0.17	−2.11

Frame Line	Column Line	Wind_R2 Horiz	Wind_R2 Vert	Seismic_L Horiz	Seismic_L Vert	Seismic_R Horiz	Seismic_R Vert	LnWind_L Horiz	LnWind_L Vert	LnWind_R Horiz	LnWind_R Vert
2	E	0.17	−2.11	−0.09	−0.06	0.09	0.06	−0.72	−9.02	−1.03	−7.34
2	A	5.24	−5.94	−0.09	0.06	0.09	−0.06	1.03	−7.34	0.72	−9.02
3	E	0.17	−2.11	−0.09	−0.06	0.09	0.06	−0.72	−9.02	−1.03	−7.34
3	A	5.24	−5.94	−0.09	0.06	0.09	−0.06	1.03	−7.34	0.72	−9.02
4	E	0.17	−2.11	−0.10	−0.07	0.10	0.07	−0.72	−9.02	−1.03	−7.34
4	A	5.24	−5.94	−0.10	0.07	0.10	−0.07	1.03	−7.34	0.72	−9.02

ENDWALL COLUMN: REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Dead Vert	Coll Vert	Live Vert	Wind−Left Horiz	Wind−Left Vert	Wind−Right Horiz	Wind−Right Vert	Out−Of−Plane Wd P Horiz	Out−Of−Plane Wd S Horiz	Anc. No	Bolt D(in)	Base Wid	Plate Len	Plate Thk	Grout (in)
1	A	0.2	0.0	1.4	0.0	−0.8	0.0	−1.5	0.0	0.0	4	0.750	7.000	8.000	0.250	0.0
1	B	0.7	0.0	4.9	0.0	−3.1	0.0	−4.8	−2.5	2.7	4	0.750	8.000	8.000	0.250	0.0
1	D	0.7	0.0	4.9	0.0	−4.8	0.0	−3.1	−2.5	2.7	4	0.750	8.000	8.000	0.250	0.0
1	E	0.2	0.0	1.4	0.0	−1.5	0.0	−0.8	0.0	0.0	4	0.750	7.000	8.000	0.250	0.0
4	B	0.1	0.0	0.0	0.0	0.0	0.0	0.0	−2.2	2.4	4	0.750	8.000	8.000	0.250	0.0
4	C	0.1	0.0	0.0	0.0	0.0	0.0	0.0	−2.6	2.8	4	0.750	8.000	8.000	0.250	0.0

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. No	Bolt D(in)	Base Wid	Plate Len	Plate Thk	Grout (in)
1	E	1	0.0	1.7	4	0.0	−1.3	4	0.750	7.000	8.000	0.250	0.0
1	D	5	2.7	−2.7	6	−2.5	−3.5	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	5.6	4	2.7	−4.4						
1	B	5	2.7	−4.4	6	−2.5	−3.5	4	0.750	8.000	8.000	0.250	0.0
		1	0.0	5.6	5	2.7	−4.4						
1	A	1	0.0	1.7	5	0.0	−1.3	4	0.750	7.000	8.000	0.250	0.0
4	B	5	2.4	0.1	6	−2.2	0.1	4	0.750	8.000	8.000	0.250	0.0
		7	1.8	0.1									
4	C	5	2.8	0.1	6	−2.6	0.1	4	0.750	8.000	8.000	0.250	0.0
		7	2.1	0.1									

BRACING REACTIONS, PANEL SHEAR

Wall Loc	Wall Line	Col Line	± Reactions (k) Wind Horz	± Reactions (k) Wind Vert	± Reactions (k) Seismic Horz	± Reactions (k) Seismic Vert	Panel Shear (lb/ft)
L_EW	1						34
F_SW	A	Wind Column in Wall					
R_EW	4	Rigid Frame At Endwall					
B_SW	E	Wind Column in Wall					

ANCHOR BOLT SUMMARY

	Qty	Loc	Dia (in)	Projection (in)
O	28	DJ	5/8"	1.50
▩	24	EW	3/4"	1.50
▩	24	RF	3/4"	2.50
⊕	16	WF	7/8"	2.50

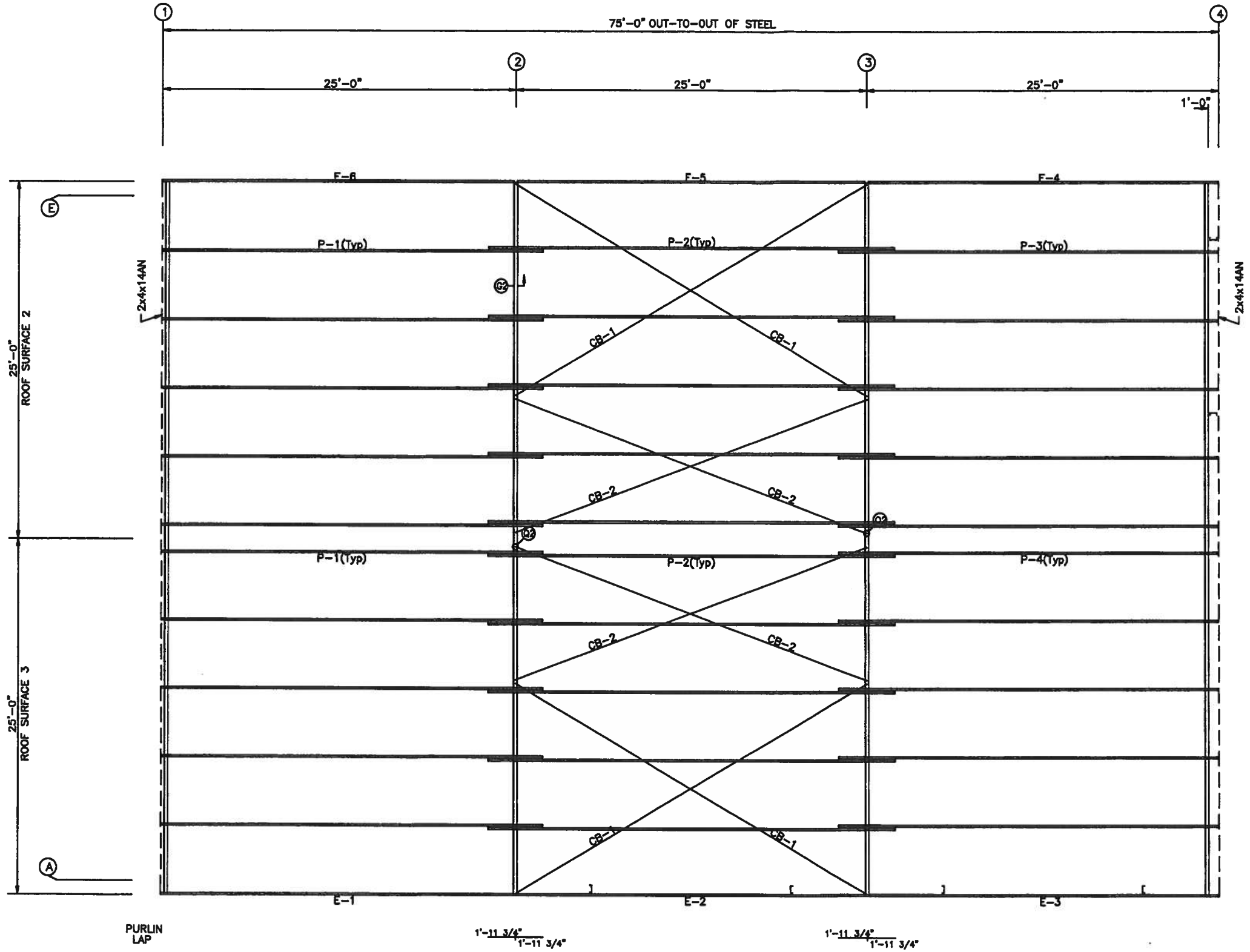
ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

SBS STEEL BUILDING SYSTEMS, INC.

REVISIONS	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06−01−002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: ANCHOR BOLT REACTIONS		SCALE: NONE
	DRAWING NO: PAGE 1.2	DRAWN BY: CFR	CHECKED BY: HEF

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P-1	10x25Z14	26'-11 1/2"
P-2	10x25Z14	28'-11 1/2"
P-3	10x25Z14	26'-11 1/2"
P-4	10x25Z14	26'-11 1/2"
E-1	10ES14@1	24'-11 1/2"
E-2	10ES14@1	24'-11 1/2"
E-3	10ES14@1	24'-11 1/2"
E-4	10ES14@1	24'-11 1/2"
E-5	10ES14@1	24'-11 1/2"
E-6	10ES14@1	24'-11 1/2"
CB-1	1/4 CBL	28'-1 5/16"
CB-2	1/4 CBL	26'-7"



ROOF FRAMING PLAN

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

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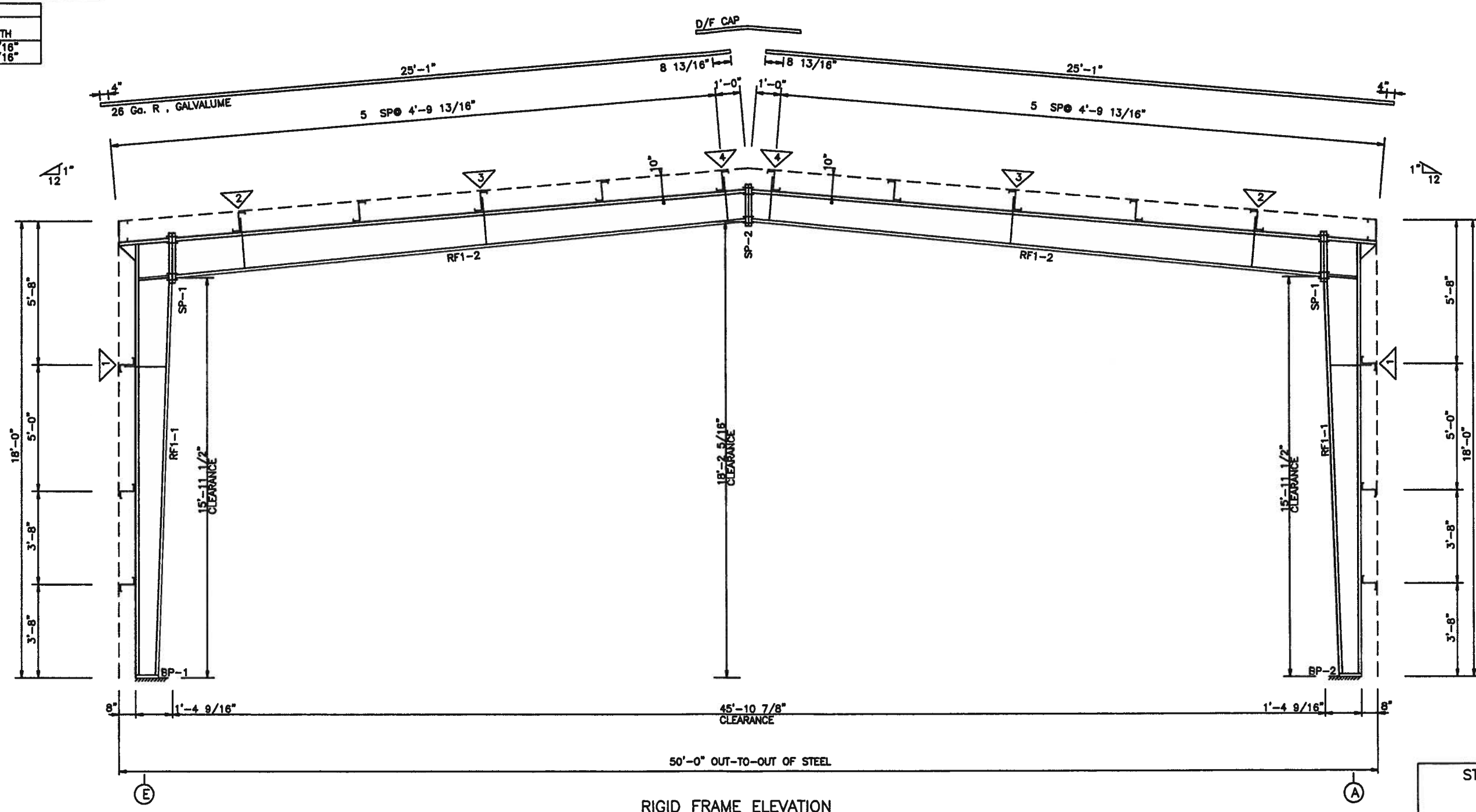
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: ROOF FRAMING LAYOUT		SCALE: NONE
	DRAWING NO: PAGE 2	DRAWN BY: CFR	CHECKED BY: HEF

FLANGE BRACE TABLE FRAME LINE 2			
▽ ID	# SIDES	MARK	LENGTH
1	2	FB2	2'-5 3/4"
2	2	FB4	2'-6 15/16"
3	2	FB3	2'-6"
4	2	FB1	2'-5 3/16"

SPLICE BOLTS						
SPLICE MARK	QUAN TOP	BOT	INT	BOLT TYPE	DIA	LEN
Sp- 1	4	4	0	A325	3/4"	2 1/2"
Sp- 2	4	4	0	A325	3/4"	2 1/2"

BASE PLATES			
COL ID	PLATE SIZE WID	THICK	LENGTH
BP-1	6"	1/2"	8 5/16"
BP-2	6"	1/2"	8 5/16"

MEMBER SIZE TABLE				
PIECE	WEB DEPTH START/END	WEB PLATE THICK	LENGTH	OUTSIDE FLANGE W x T x LEN	INSIDE FLANGE W x T x LEN
RF1-1	7.7/16.0	0.135	15'-7"	5 x 1/4" x 17'-1 13/16"	5 x 5/16" x 15'-7 3/16"
	16.0/16.0	0.188	1'-8 1/8"	5 x 5/16" x 2'-0 5/16"	
RF1-2	16.0/12.5	0.135	19'-11"	5 x 1/4" x 19'-0"	5 x 1/4" x 19'-0"
	12.5/12.0	0.135	3'-0 13/16"	5 x 1/4" x 3'-10 7/16"	5 x 1/4" x 3'-10 13/16"



RIGID FRAME ELEVATION
FOR FRAME LINE 2

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

1/10/06

SBS STEEL BUILDING SYSTEMS, INC.

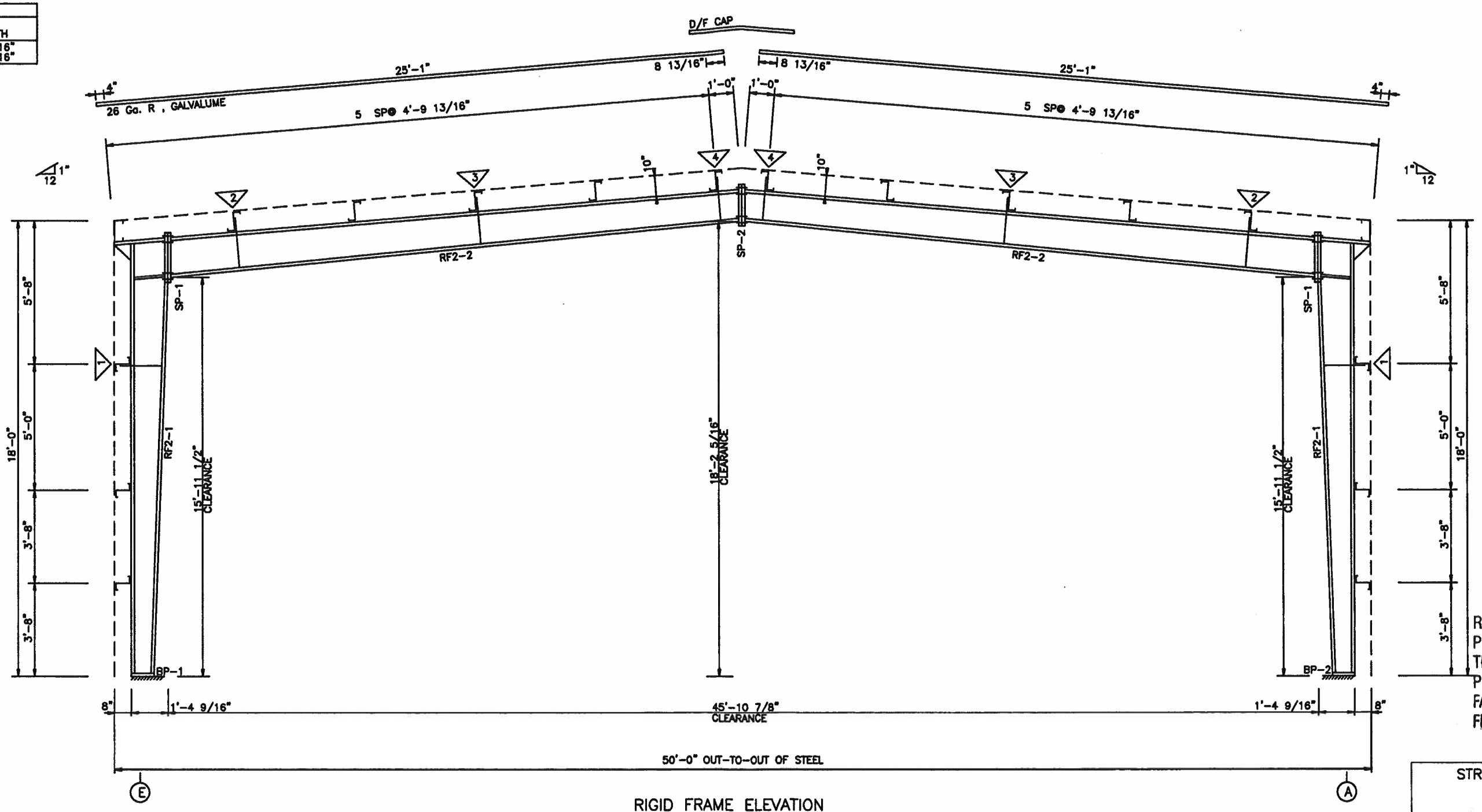
REVISIONS	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: RIGID FRAME CROSS SECTION		SCALE: NONE
	DRAWING NO: PAGE 2.1	DRAWN BY: CFR	CHECKED BY: HEF

FLANGE BRACE TABLE FRAME LINE 3			
▽ ID	# SIDES	MARK	LENGTH
1	2	FB2	2'-5 3/4"
2	2	FB4	2'-6 15/16"
3	2	FB3	2'-6"
4	2	FB1	2'-5 3/16"

SPLICE BOLTS						
SPLICE MARK	QUAN TOP/BOT/INT			BOLT TYPE	DIA	LEN
Sp- 1	4	4	0	A325	3/4"	2 1/2"
Sp- 2	4	4	0	A325	3/4"	2 1/2"

BASE PLATES			
COL ID	PLATE SIZE WID	THICK	LENGTH
BP-1	6"	1/2"	8 5/16"
BP-2	6"	1/2"	8 5/16"

MEMBER SIZE TABLE					
PIECE	WEB DEPTH START/END	WEB PLATE THICK	WEB PLATE LENGTH	OUTSIDE FLANGE W x T x LEN	INSIDE FLANGE W x T x LEN
RF2-1	17/16.0	0.135	15'-7"	5 x 1/4" x 17'-1 13/16"	5 x 5/16" x 15'-7 3/16"
	16.0/16.0	0.188	1'-8 1/8"	5 x 5/16" x 2'-0 5/16"	
RF2-2	16.0/12.5	0.135	19'-11"	5 x 1/4" x 19'-0"	5 x 1/4" x 19'-0"
	12.5/12.0	0.135	3'-0 13/16"	5 x 1/4" x 3'-10 7/16"	5 x 1/4" x 3'-10 13/16"



RIGID FRAME ELEVATION
FOR FRAME LINE 3

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

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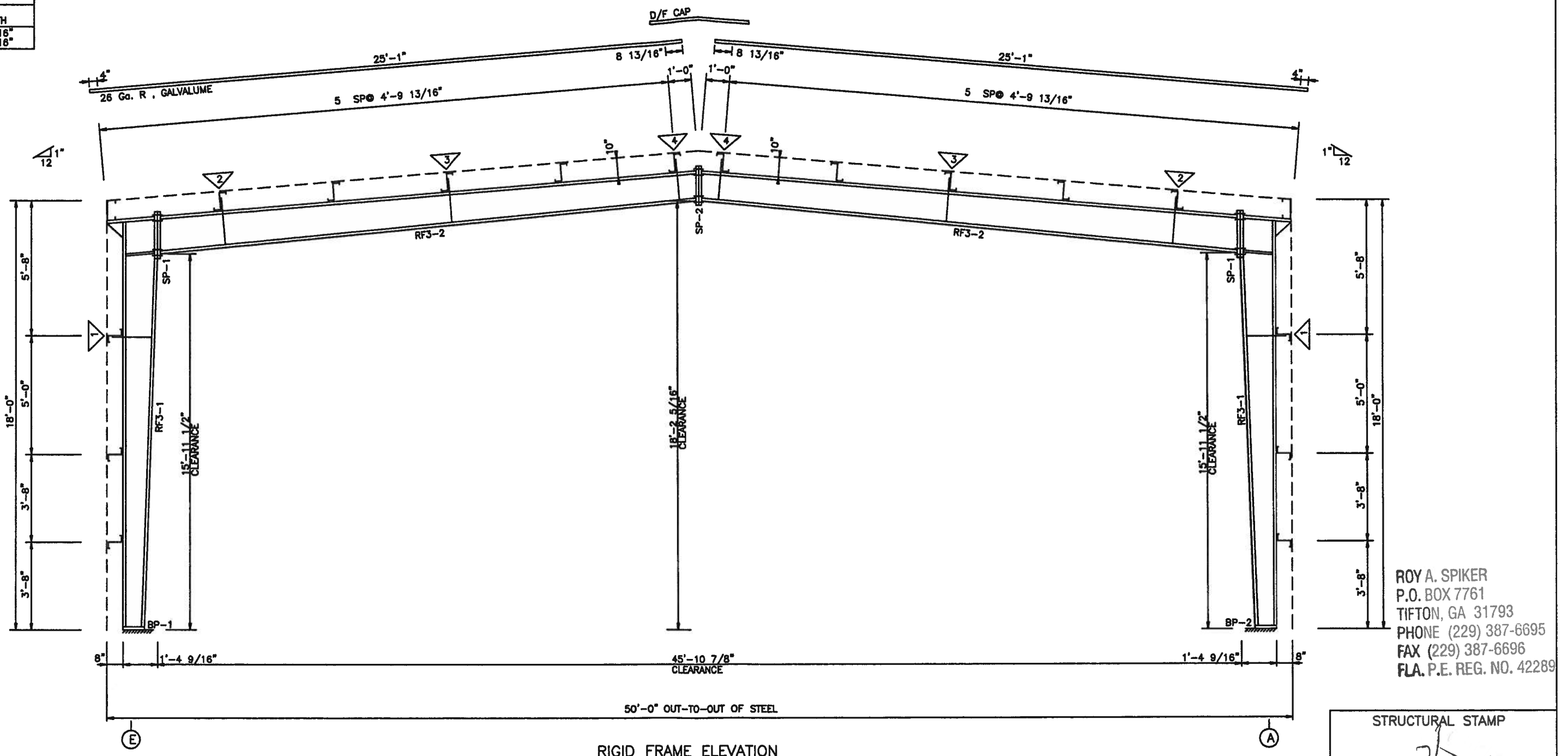
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: RIGID FRAME CROSS SECTION		SCALE: NONE
	DRAWING NO: PAGE 2.2	DRAWN BY: CFR	CHECKED BY: HEF

FLANGE BRACE TABLE FRAME LINE 4			
▽ ID	# SIDES	MARK	LENGTH
1	1	FB2	2'-5 3/4"
2	1	FB4	2'-6 15/16"
3	1	FB3	2'-6"
4	1	FB1	2'-5 3/16"

SPLICE BOLTS						
SPLICE MARK	QUAN TOP/BOT/INT			TYPE	BOLT DIA	BOLT LEN
Sp- 1	4	4	0	A325	3/4"	2 1/2"
Sp- 2	4	4	0	A325	3/4"	2 1/2"

BASE PLATES			
COL ID	PLATE SIZE WID	THICK	LENGTH
BP-1	6"	1/2"	8 5/16"
BP-2	6"	1/2"	8 5/16"

MEMBER SIZE TABLE					
PIECE	WEB DEPTH START/END	WEB PLATE THICK	WEB PLATE LENGTH	OUTSIDE FLANGE W x T x LEN	INSIDE FLANGE W x T x LEN
RF3-1	7.7/16.0	0.135	15'-7"	5 x 1/4" x 17'-1 13/16"	5 x 5/16" x 15'-7 3/16"
	16.0/16.0	0.188	1'-8 1/8"	5 x 5/16" x 2'-0 5/16"	
RF3-2	16.0/12.5	0.135	19'-11"	5 x 1/4" x 19'-0"	5 x 1/4" x 19'-0"
	12.5/12.0	0.135	3'-0 13/16"	5 x 1/4" x 3'-10 7/16"	5 x 1/4" x 3'-10 13/16"



RIGID FRAME ELEVATION
FOR FRAME LINE 4

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

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12/6/06

REVISIONS			
[1]			
[2]			
[3]			

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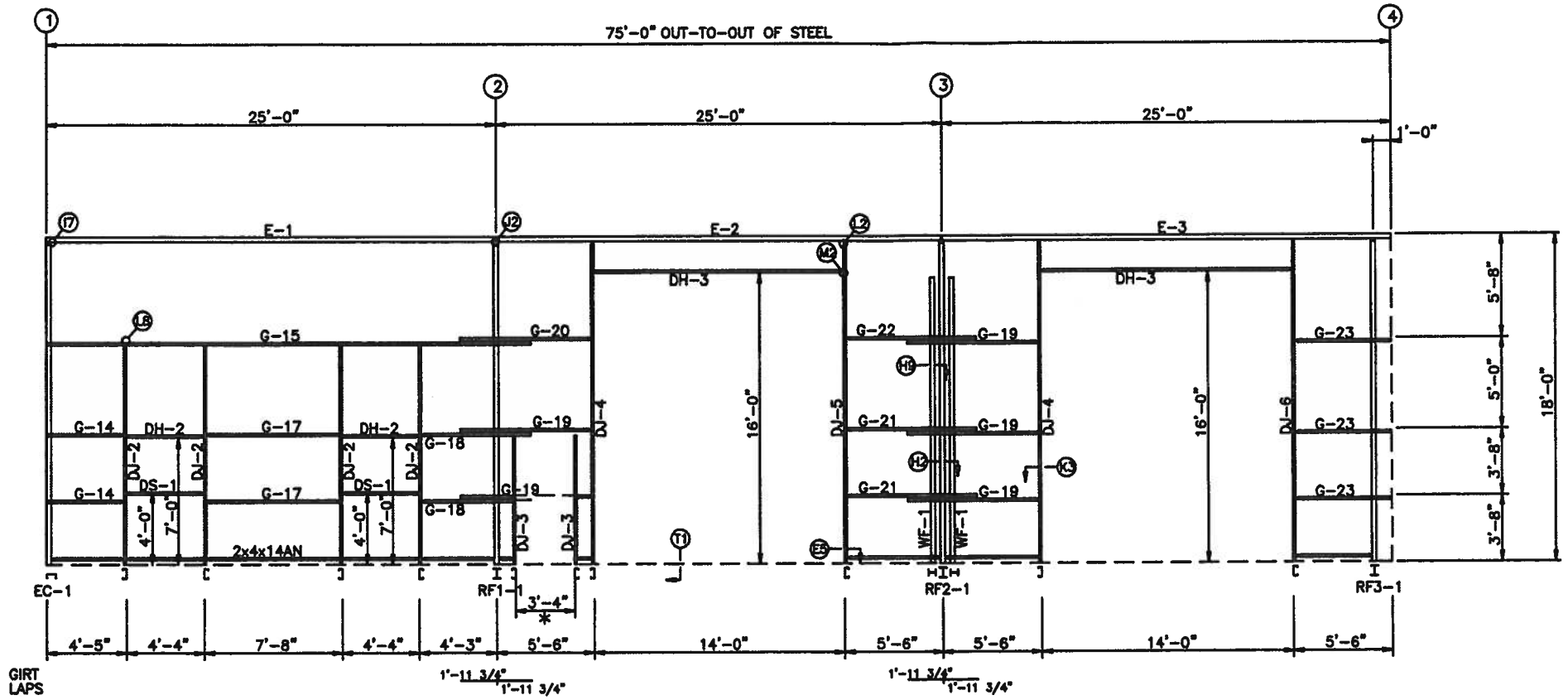
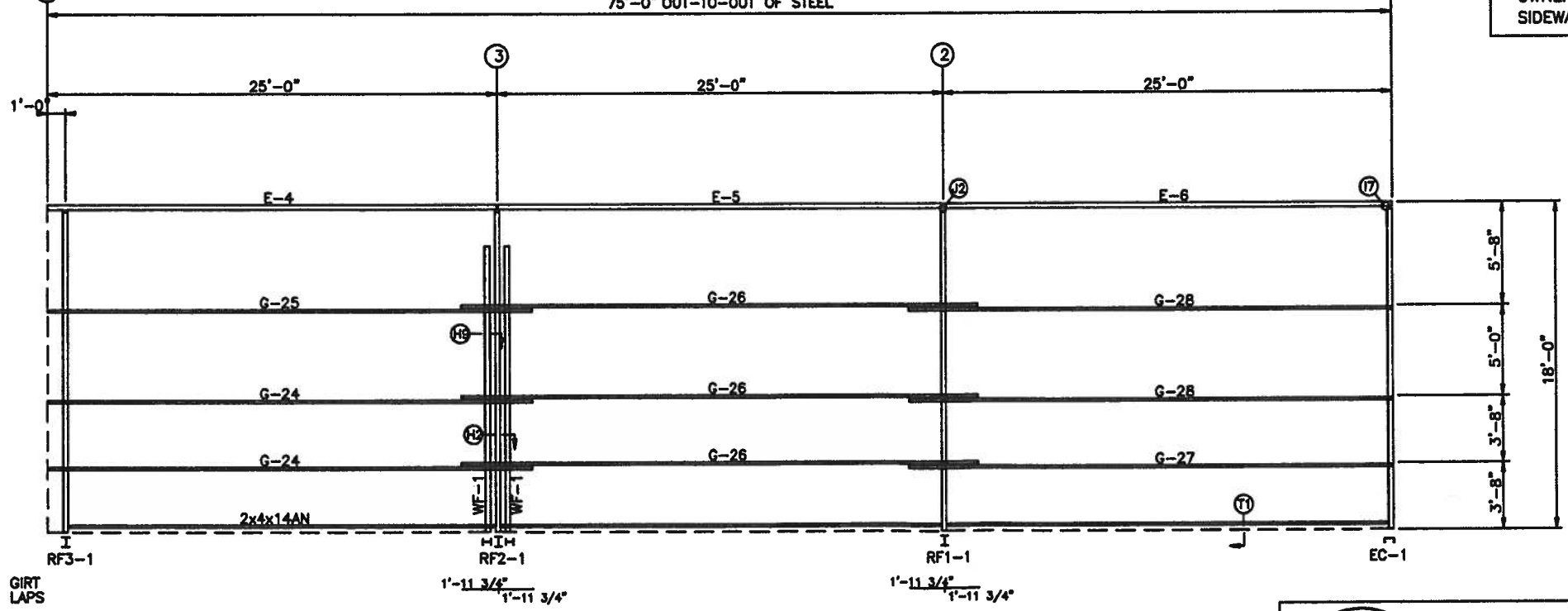
CUSTOMER: LARRY PERRY, JR.			
JOB NO: 06-01-002		DATE: 1/ 6/06	
LOCATION: COLUMBIA CO., FL			
DRAWING NAME: RIGID FRAME CROSS SECTION			SCALE: NONE
DRAWING NO: PAGE 2.3	DRAWN BY: CFR		CHECKED BY: HEF



SIDEWALL FRAMING: FRAME LINE A

MEMBER TABLE FRAME LINE A & E		
MARK	PART	LENGTH
WF-1	B8X11.9	16'-0"
DJ-2	8X35C14	12'-4"
DJ-3	8X35C14	7'-4"
DJ-4	8X35C14	17'-2 11/16"
DJ-5	8X35C14	17'-2 11/16"
DJ-6	8X35C12	17'-2 11/16"
DH-2	8X35C14	4'-4"
DH-3	8X35C14	14'-0"
DS-1	8X35C14	4'-4"
E-1	10ES14@1	24'-11 1/2"
E-2	10ES14@1	24'-11 1/2"
E-3	10ES14@1	24'-11 1/2"
E-4	10ES14@1	24'-11 1/2"
E-5	10ES14@1	24'-11 1/2"
E-6	10ES14@1	24'-11 1/2"
G-14	8x25Z16	4'-0 1/2"
G-15	8x25Z14	26'-11 1/2"
G-17	8x25Z16	6'-11 1/2"
G-18	8x25Z16	5'-10 1/2"
G-19	8x25Z16	7'-1 1/2"
G-20	8x25Z14	7'-1 1/2"
G-21	8x25Z16	7'-1 1/2"
G-22	8x25Z14	7'-1 1/2"
G-23	8x25Z16	5'-1 1/2"
G-24	8x25Z16	26'-11 1/2"
G-25	8x25Z14	26'-11 1/2"
G-26	8x25Z16	28'-11 1/2"
G-27	8x25Z16	26'-11 1/2"
G-28	8x25Z14	26'-11 1/2"



SIDEWALL FRAMING: FRAME LINE E

*NOTE: FIELD LOCATE (1) 3o7o PERSONEL DOOR WITH FRAMED OPENING PER OWNER'S LOCATION. OWNER'S LOCATION MUST NOT INTERFERE WITH SIDEWALL CABLE BRACING.

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

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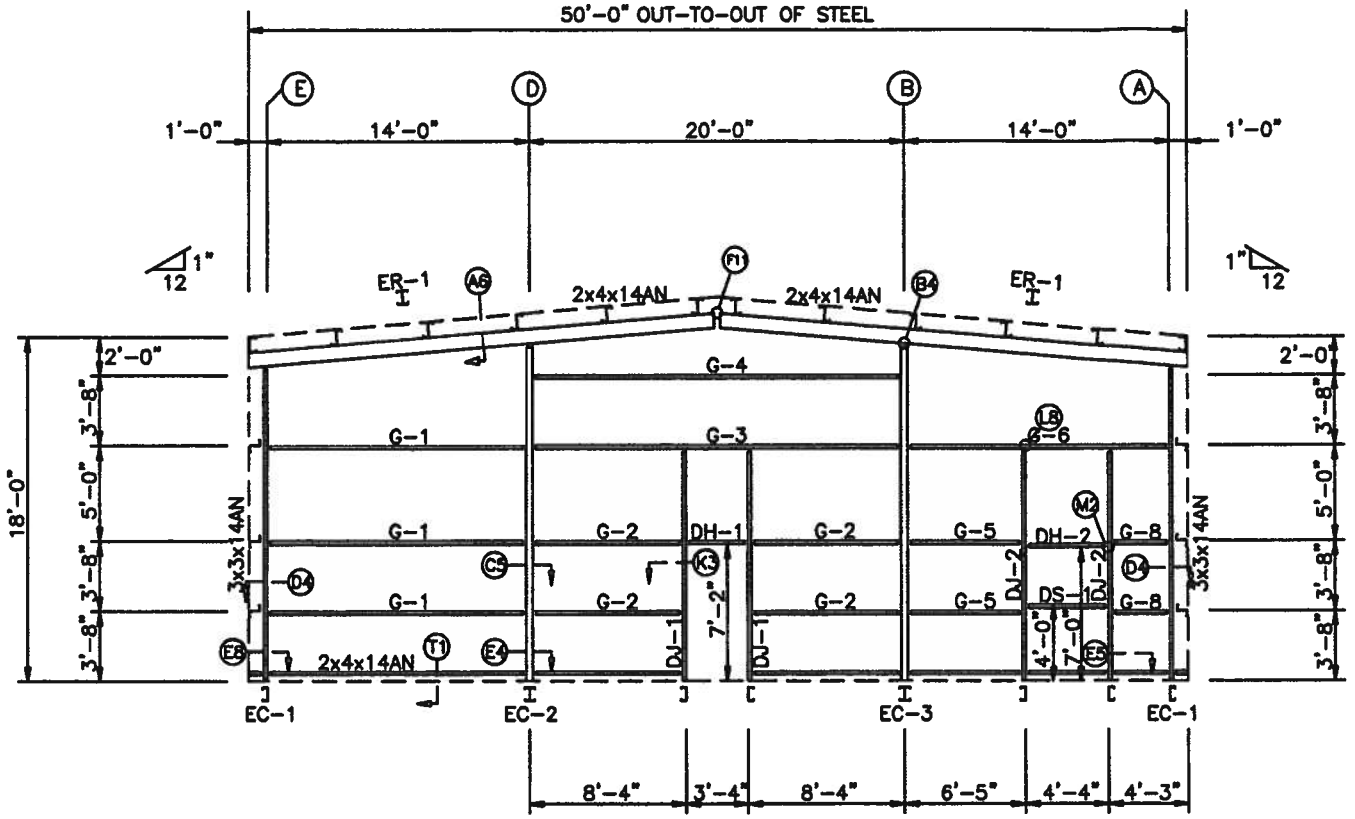
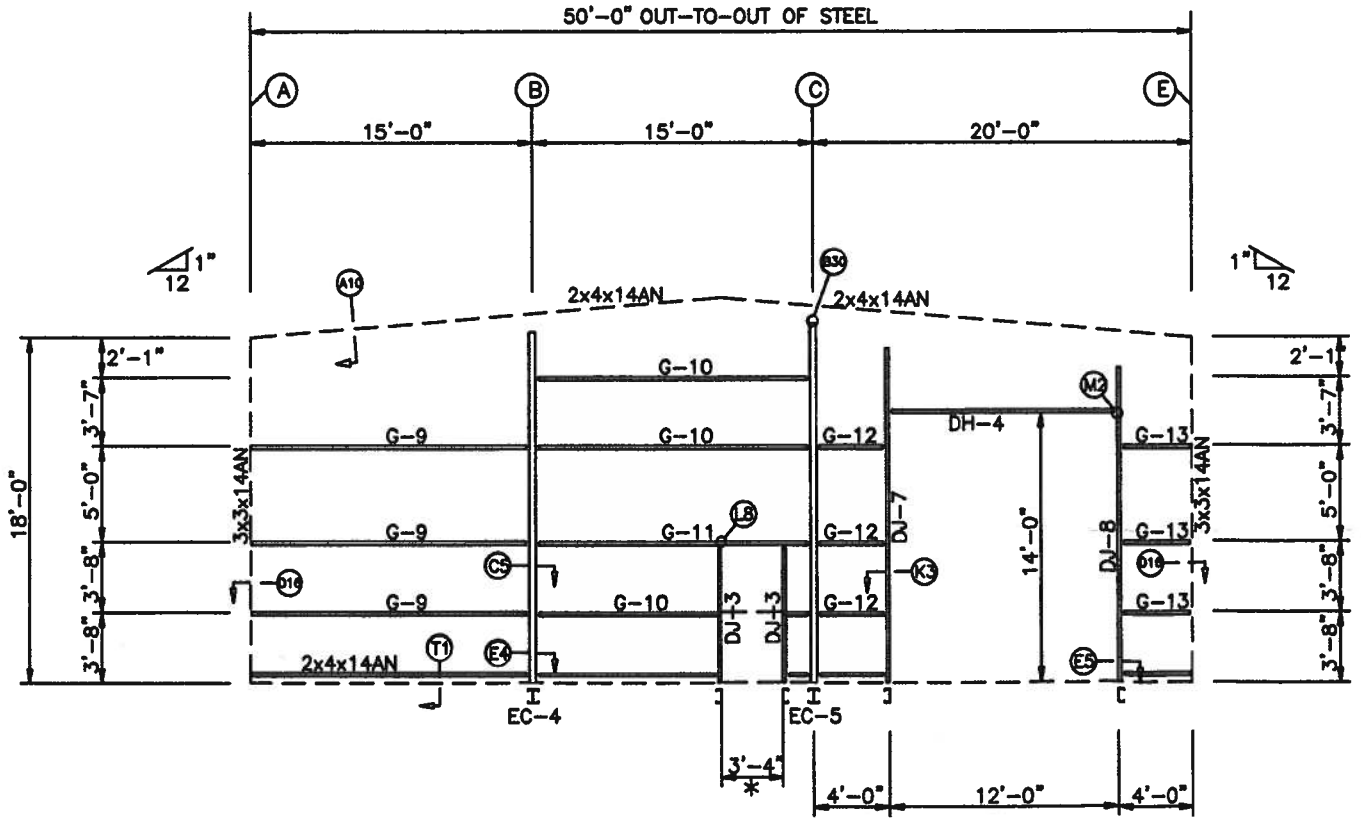
1/16/06

SBS STEEL BUILDING SYSTEMS, INC.

REVISIONS	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: SIDEWALL FRAMING LAYOUT		SCALE: NONE
	DRAWING NO: PAGE 3	DRAWN BY: CFR	CHECKED BY: HEF



ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 4

BOLT TABLE
FRAME LINE 1 & 4

LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-1	8	A325	5/8"	2"
Columns	2	A325	5/8"	1 1/2"
Jamb	2	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE 1 & 4

MARK	PART	LENGTH
EC-1	8X35C14	16'-3 15/16"
EC-2	8X8DC14	17'-5 15/16"
EC-3	8X8DC14	17'-5 15/16"
EC-4	8X7DC14	17'-5 15/16"
EC-5	8X7DC12	17'-10 15/16"
ER-1	8X8DC14	25'-1 7/16"
DJ-1	8X35C14	12'-4"
DJ-2	8X35C14	12'-4"
DJ-3	8X35C14	7'-4"
DJ-7	8X35C12	17'-6 15/16"
DJ-8	8X35C14	16'-6 15/16"
DH-2	8X35C14	4'-4"
DH-4	8X35C14	12'-0"
DS-1	8X35C14	4'-4"
G-1	8x25Z16	13'-7 1/2"
G-2	8x25Z16	7'-7 1/2"
G-3	8x25Z14	19'-3 1/2"
G-4	8x25Z14	19'-3 1/2"
G-5	8x25Z16	5'-8 1/2"
G-6	8x25Z16	13'-7 1/2"
G-8	8x25Z16	2'-10 1/2"
G-9	8x25Z16	14'-7 1/2"
G-10	8x25Z16	14'-3 1/2"
G-11	8x25Z14	14'-3 1/2"
G-12	8x25Z16	3'-3 1/2"
G-13	8x25Z16	3'-7 1/2"

*NOTE: FIELD LOCATE (1) 3o7o PERSONEL DOOR WITH FRAMED OPENING PER OWNER'S LOCATION.

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

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1/10/06

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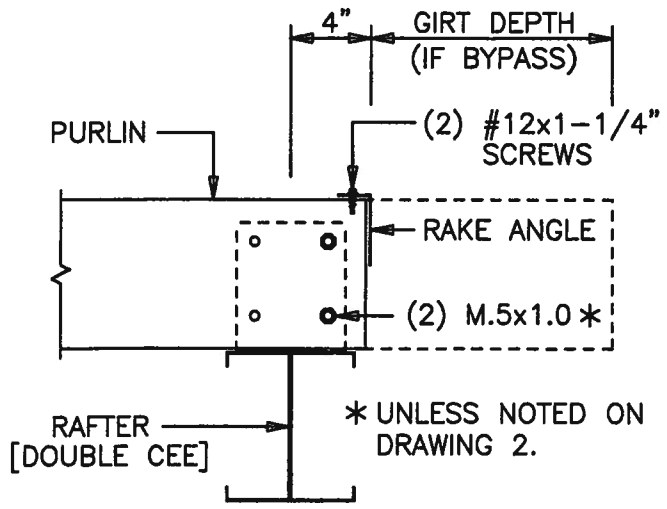
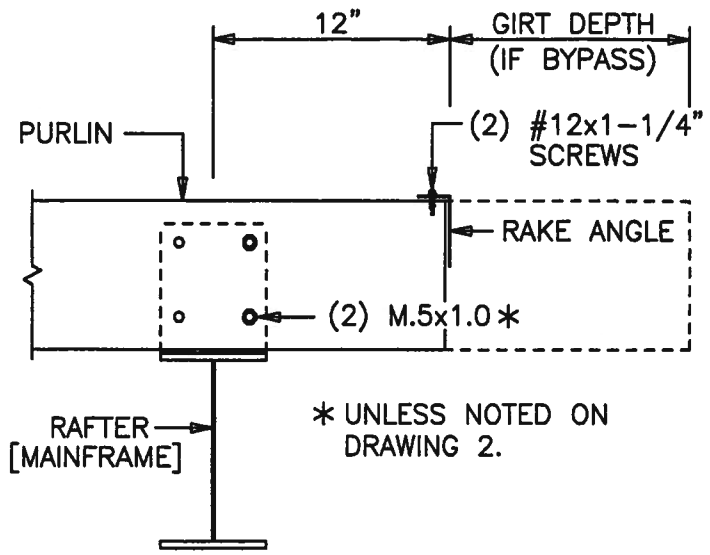
REVISIONS	JOB NO: 06-01-002		DATE: 1/ 6/06
[1]	LOCATION: COLUMBIA CO., FL		
[2]	DRAWING NAME: ENDWALL FRAMING LAYOUT		SCALE: NONE
[3]	DRAWING NO: PAGE 4	DRAWN BY: CFR	CHECKED BY: HEP

DETAIL A6



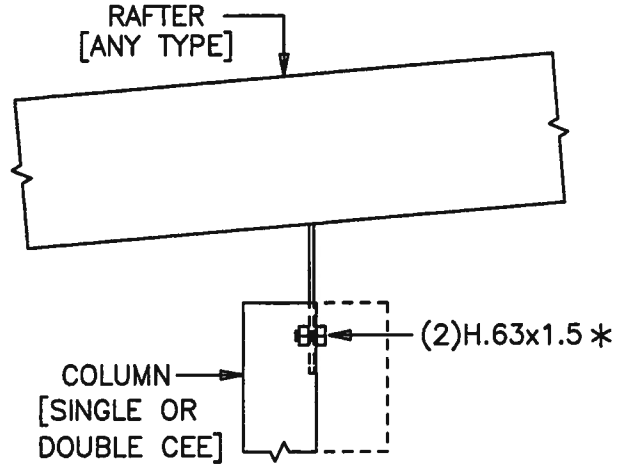
PURLIN TO ENDWALL RAFTER

DETAIL A10



PURLIN TO ENDWALL RAFTER

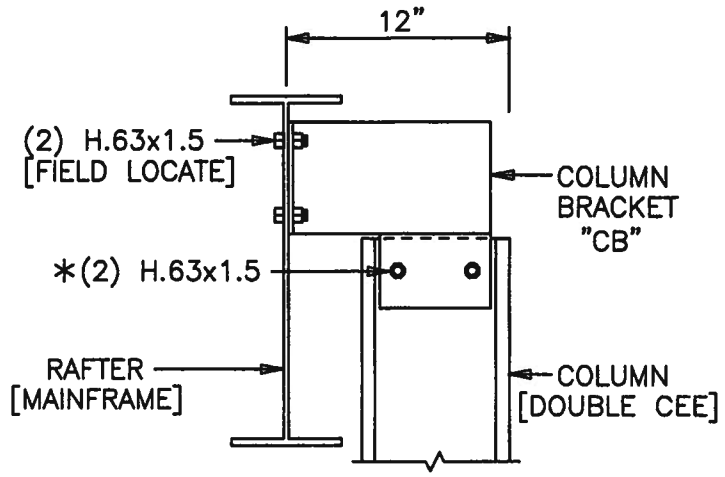
DETAIL B4



* UNLESS NOTED ON DRAWING 4.

CEE COLUMN / RAFTER CONNECTION

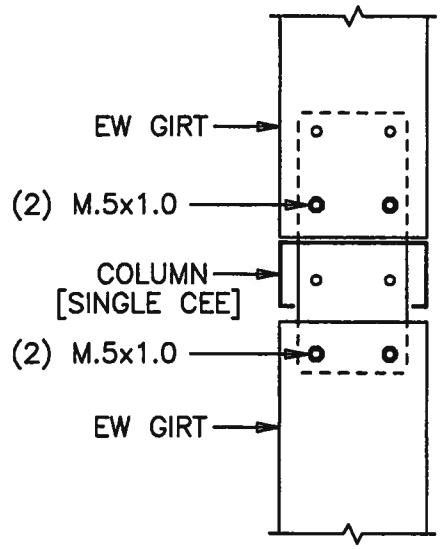
DETAIL B30



*UNLESS NOTED ON DRAWING 4.

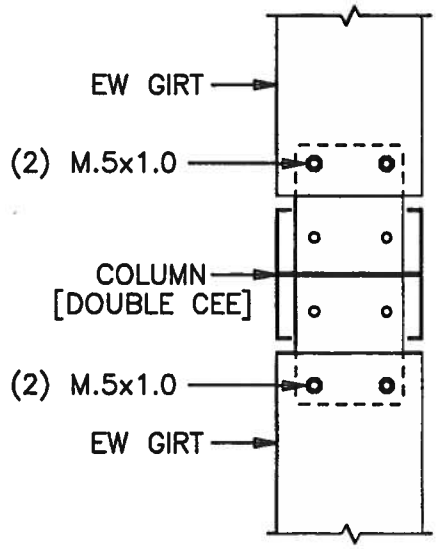
MAINFRAME RAFTER / COLUMN CONNECTION

DETAIL C4



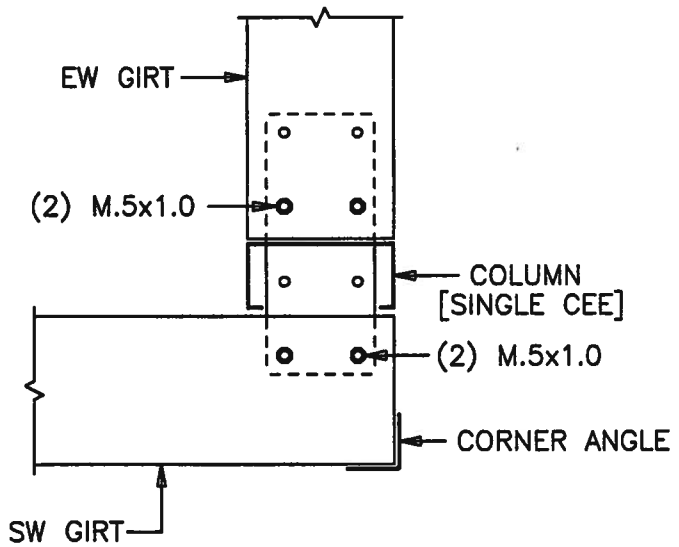
ENDWALL GIRTS TO INTERINOR COLUMN

DETAIL C5



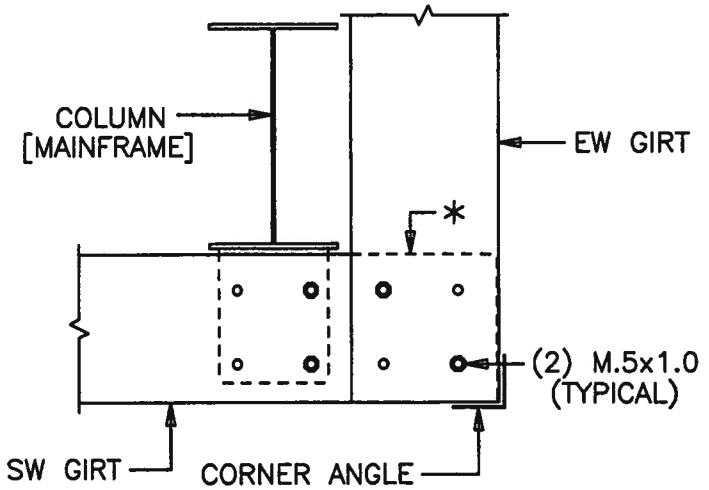
ENDWALL GIRTS TO INTERINOR COLUMN

DETAIL D4



GIRTS TO CORNER COLUMN

DETAIL D16



* NOTE:CUT 8-1/4" OFF I/S FLANGE OF GIRT.

GIRT CONNECTIONS AT EXPANDABLE ENDWALL

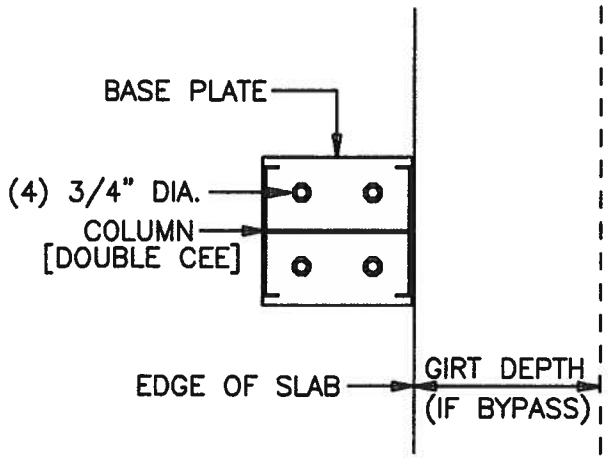
ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

SBS STEEL BUILDING SYSTEMS, INC.

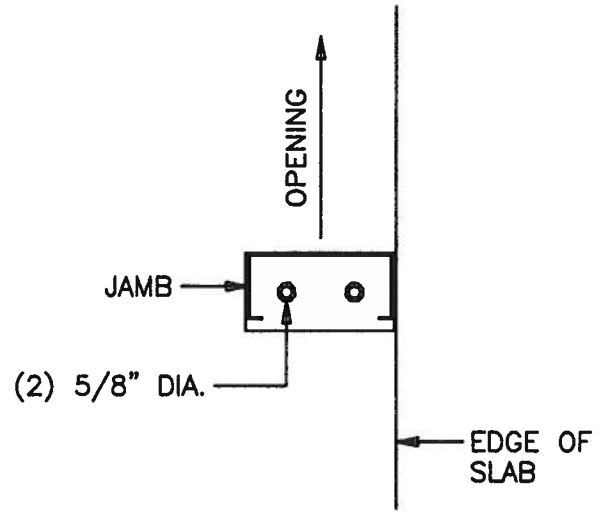
REVISIONS	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: FRAMING DETAILS		SCALE: NONE
	DRAWING NO: PAGE 5	DRAWN BY: CFR	CHECKED BY: HEF

DETAIL E4



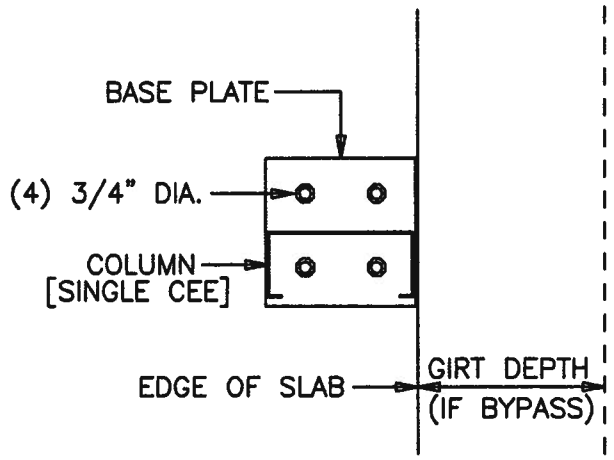
ENDWALL COLUMN BASE DETAIL

DETAIL E5



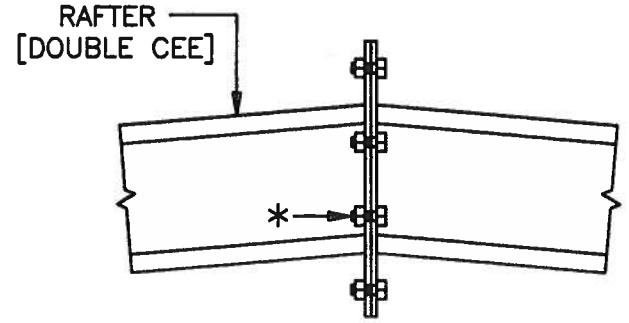
FRAMED OPENING JAMB BASE DETAIL

DETAIL E8



ENDWALL COLUMN BASE DETAIL

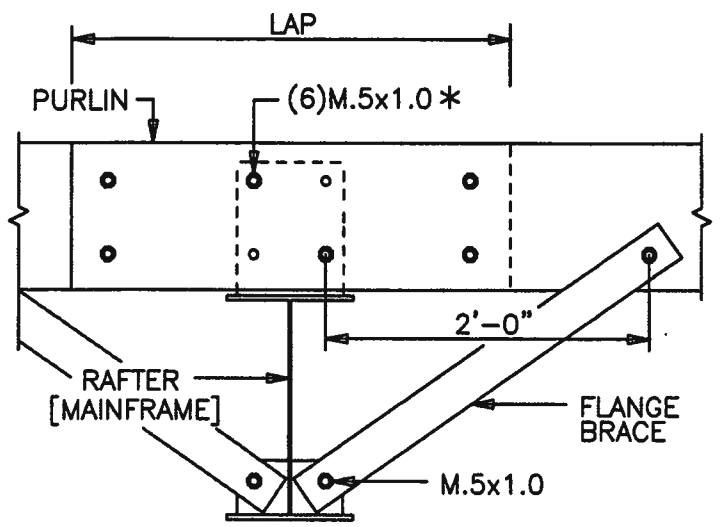
DETAIL F11



* SEE DRAWING 4 FOR SIZE AND QUANTITY OF BOLTS.

RAFTER DETAIL AT RIDGE

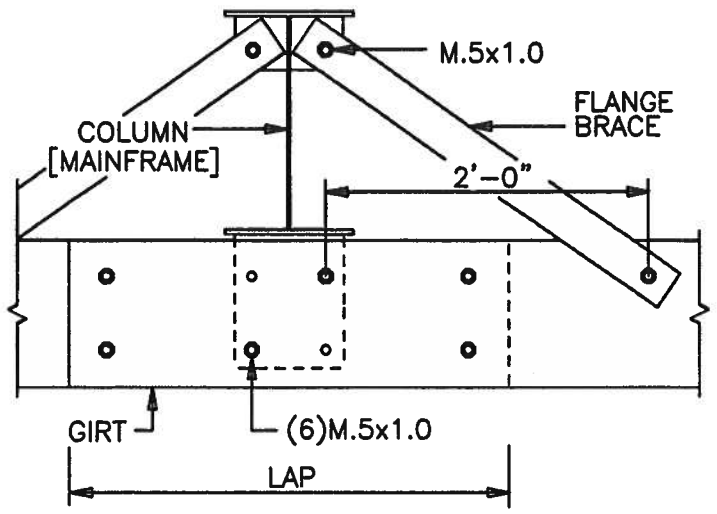
DETAIL G2



* UNLESS NOTED ON DRAWING 2.

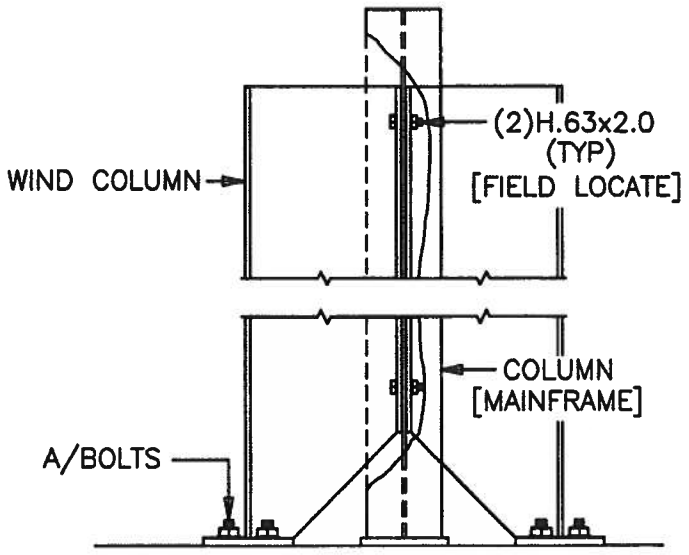
PURLIN TO MAINFRAME RAFTER

DETAIL H2



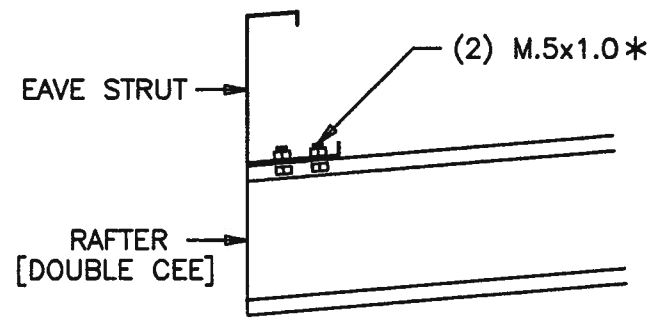
GIRT TO MAINFRAME COLUMN

DETAIL H9



WIND COLUMN DETAIL

DETAIL I7



*UNLESS NOTED ON DRAWING 2.

EAVE STRUT CONNECTION AT ENDWALL

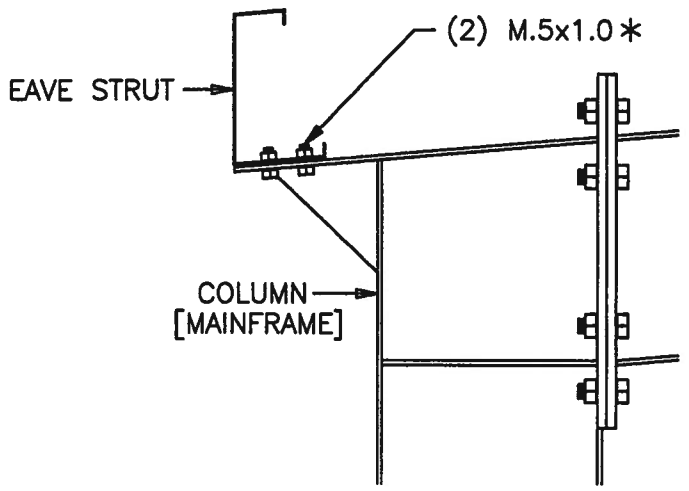
ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

SBS STEEL BUILDING SYSTEMS, INC.

REVISIONS	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: FRAMING DETAILS		SCALE: NONE
	DRAWING NO: PAGE 5.1	DRAWN BY: CFR	CHECKED BY: HEF

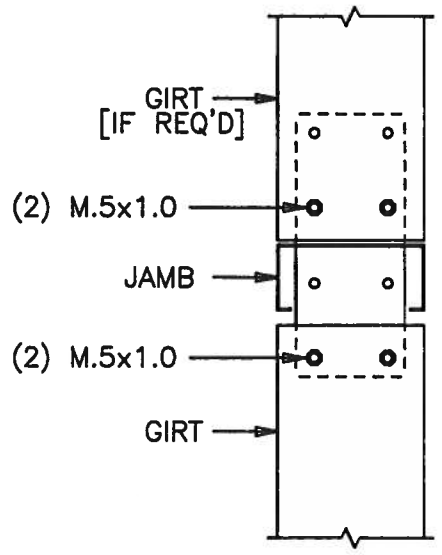
DETAIL J2



* UNLESS NOTED ON DRAWING 2.

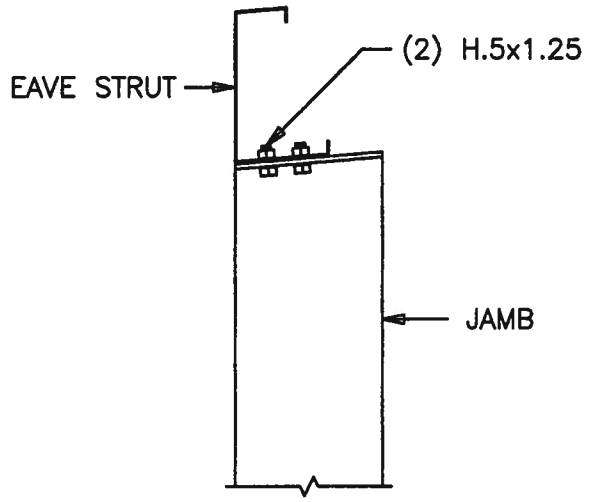
EAVE STRUT CONNECTION AT MAINFRAME

DETAIL K3



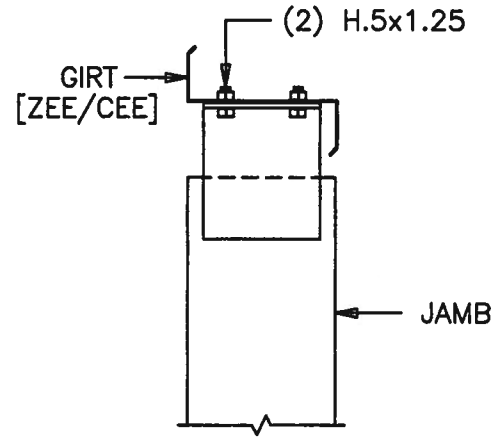
GIRTS TO JAMB

DETAIL L2



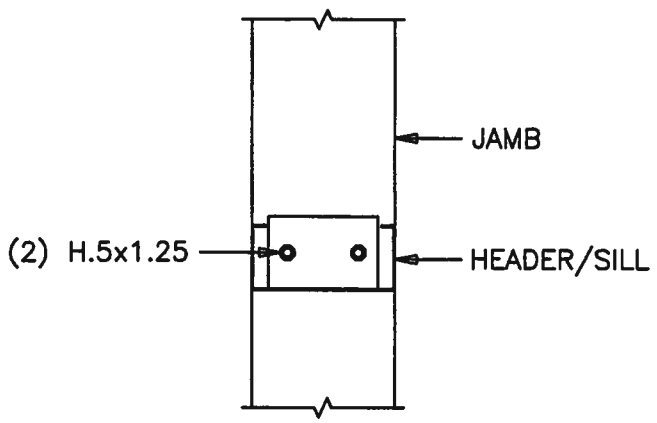
FRAMED OPENING JAMB TO EAVE STRUT

DETAIL L8



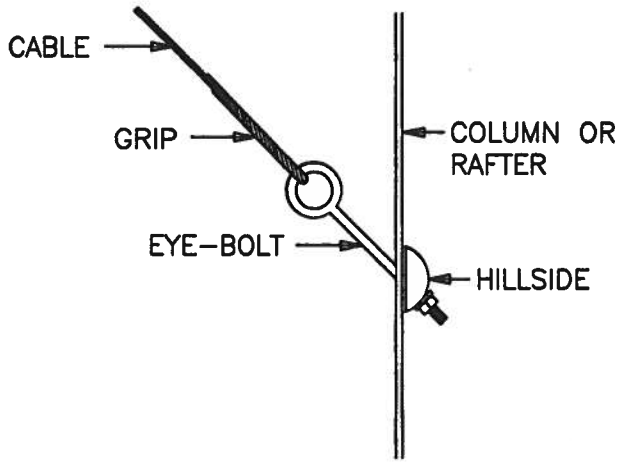
FRAMED OPENING JAMB TO GIRT

DETAIL M2



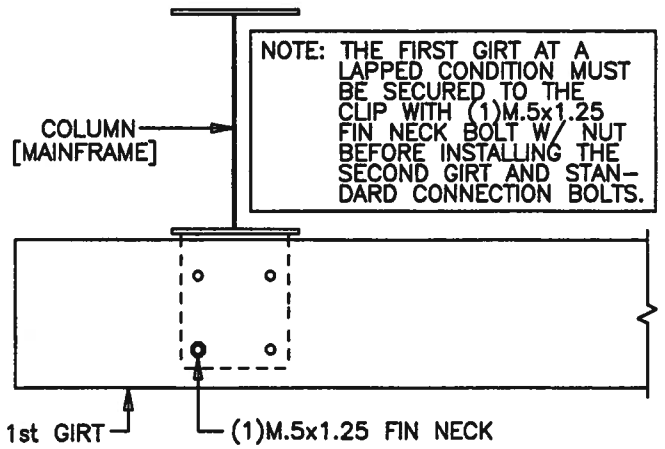
FRAMED OPENING HEADER/SILL TO JAMB

DETAIL Q2



CABLE INSTALLATION DETAIL

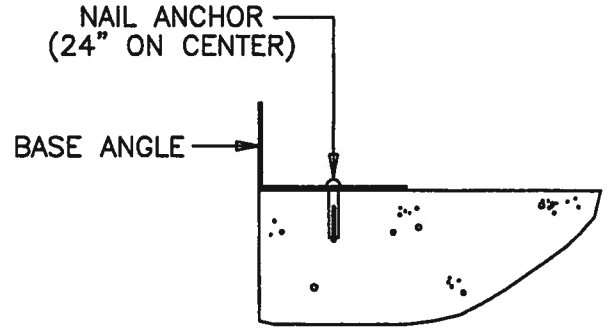
OSHA REQUIREMENT



* Directive Number: CPL 2-1.34
* Title: Inspection policy and procedures for OSHA's steel erection standards for construction
* Standard Number: 1926
* Information Date: 03/22/2002

LAPPED GIRTS TO MAINFRAME COLUMN

DETAIL T1



BASE ANGLE DETAIL

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

1/10/06

SBS STEEL BUILDING SYSTEMS, INC.

REVISIONS	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: FRAMING DETAILS		SCALE: NONE
	DRAWING NO: PAGE 5.2	DRAWN BY: CFR	CHECKED BY: HEF

NOTE:
THE PROPER TIGHTENING AND INSPECTION OF ALL FASTENERS IS THE RESPONSIBILITY OF THE ERECTOR. ALL HEAVY STRUCTURAL (A325,A490) BOLTS AND NUTS MUST BE TIGHTENED BY THE "TURN-OF-NUT" METHOD SHOWN BELOW. A325 AND A490 BOLTS ARE DESIGNATED BY "SBS" WITH A "H". (ex: H.63x2.0 OR H.75x2.75)

TURN-OF-NUT TIGHTENING:
BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG-TIGHT CONDITION. SNUG TIGHT IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN THE PLIES OF THE JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. SNUG TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE CONNECTION TO THE FREE EDGES UNTIL ALL BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED IN THE TABLE BELOW. DURING THE OPERATION THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT TO THE FREE EDGES.

NUT ROTATION FROM SNUG-TIGHT CONDITION

BOLT LENGTH	REQUIRED ROTATION
UP TO AND INCLUDING 4 DIAMETERS	1/3 TURN
OVER 4 DIAMETERS BUT NOT EXCEEDING 8 DIAMETERS	1/2 TURN
OVER 8 DIAMETERS BUT NOT EXCEEDING 12 DIAMETERS	2/3 TURN

NOTES:[1] NUT ROTATION IS RELATIVE TO BOLT REGARDLESS OF THE ELEMENT (NUT OR BOLT) BEING TURNED.
[2] APPLICABLE ONLY TO CONNECTIONS IN WHICH ALL MATERIAL WITHIN THE GRIP OF THE BOLT IS STEEL.

PERSONEL DOORS

ALL "SBS" PERSONEL DOORS COME FACTORY PREPPED AS RIGHTHAND REVERSED SWING.

(i.e. STANDING ON THE OUTSIDE OF THE BUILDING FACING THE DOOR, THE LOCK WILL BE ON THE LEFTHAND SIDE OF THE DOOR AND THE DOOR WILL SWING OUTWARD FROM THE BUILDING.)

ANY FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE ERECTOR AND "SBS" IS NOT LIABLE FOR LABOR CHARGES NOR DAMAGES DUE TO ERROR.

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
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FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

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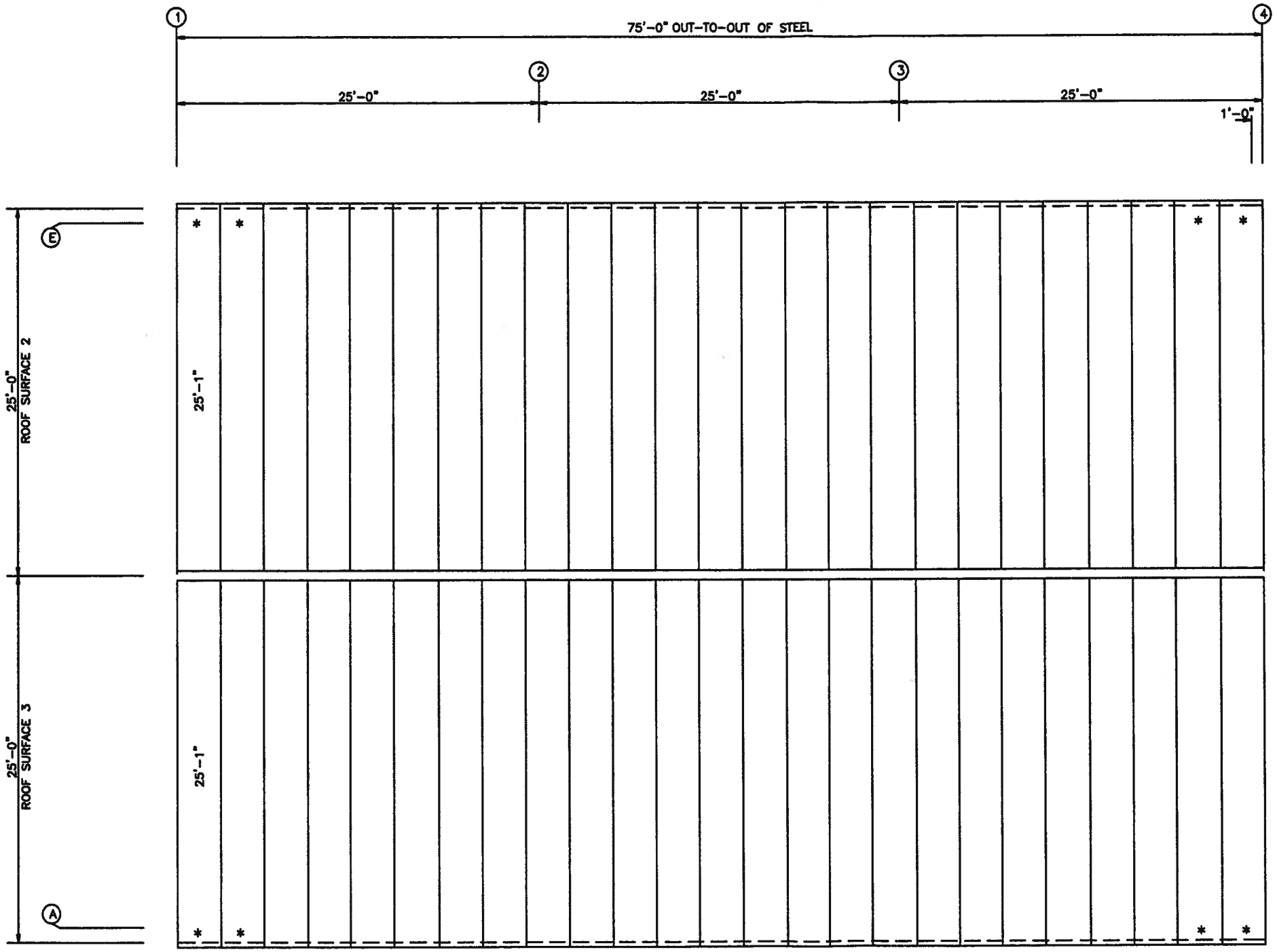
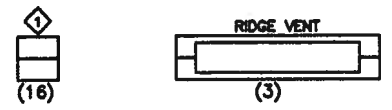
SBS STEEL BUILDING SYSTEMS, INC.

REVISIONS		
[1]	CUSTOMER: LARRY PERRY, JR.	
[2]	JOB NO: 06-01-002	DATE: 1/ 6/06
[3]	LOCATION: COLUMBIA CO., FL	
	DRAWING NAME: FRAMING DETAILS	SCALE: NONE
	DRAWING NO: PAGE 5.3	DRAWN BY: CFR / CHECKED BY: HEF

TRIM TABLE ROOF PLAN		
◇ID	PART	LENGTH
1	D/F CAP	3'-0"





ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

ROOF SHEETING PLAN

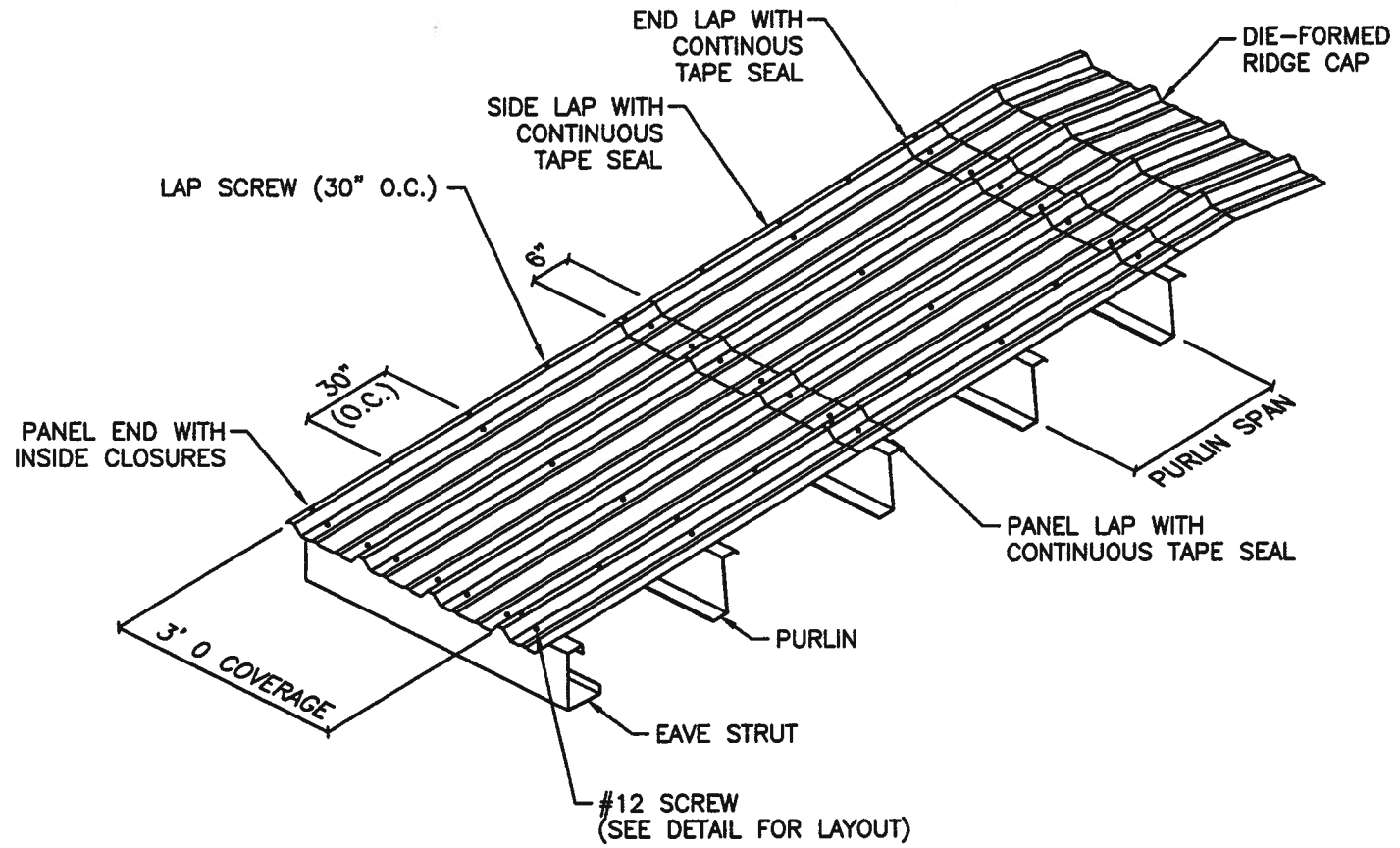
PANELS: 26 GA. R – GALVALUME

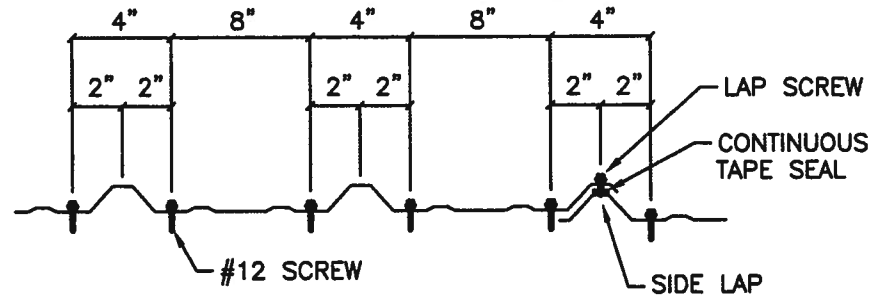
*24 GA PANELS IN CORNER ZONES

STRUCTURAL STAMP

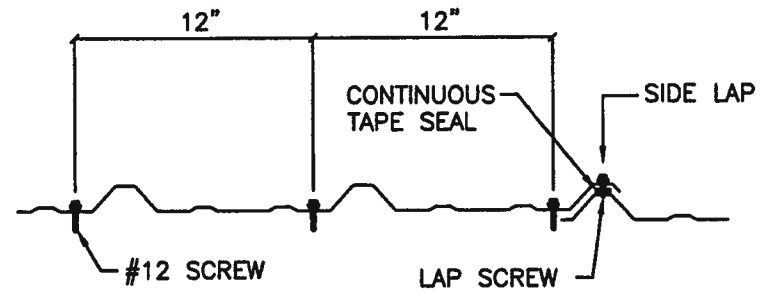
SBS STEEL BUILDING SYSTEMS, INC.

REVISIONS	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: ROOF PANELS & TRIM		SCALE: NONE
	DRAWING NO: PAGE 6	DRAWN BY: CFR	CHECKED BY: HEF





DETAIL AT PANEL END



DETAIL AT INTERIOR OF PANEL

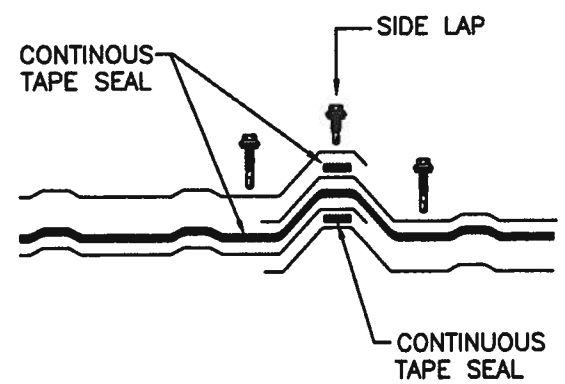
NOTES:

[1] ALL END LAPS MUST BE A MINIMUM OF 6".

[2] METAL SHAVINGS MUST BE SWEPT FROM THE ROOF EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.

[3] TAPE SEAL MUST BE APPLIED WITH NO GAPS OR BREAKS.

[4] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE STRUCTURALS. LAP SCREWS ARE USED AT THE PANEL TO PANEL ATTACHMENTS. THESE FASTENERS ARE SELF-DRILLING.



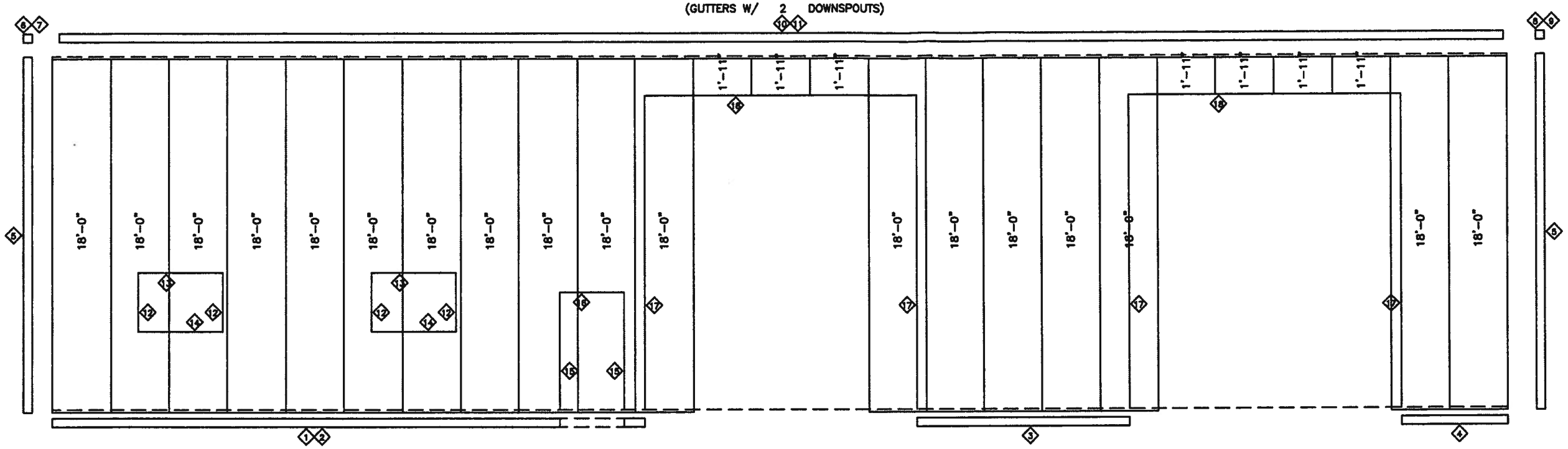
TAPE SEAL AT END LAP AND PANEL LAP

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

1/10/06

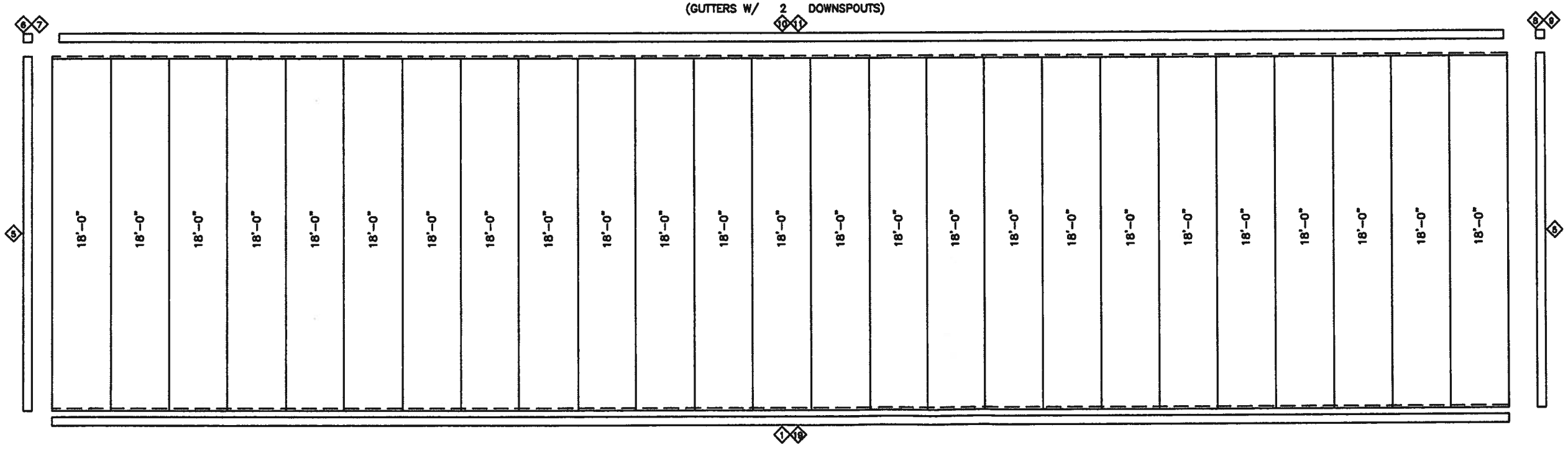
	SBS STEEL BUILDING SYSTEMS, INC.		
	CUSTOMER: LARRY PERRY, JR.		
REVISIONS	JOB NO: 06-01-002	DATE: 1/ 6/06	
[1]	LOCATION: COLUMBIA CO., FL		
[2]	DRAWING NAME: ROOF PANEL DETAILS		SCALE: NONE
[3]	DRAWING NO: PAGE 6.1	DRAWN BY: CFR	CHECKED BY: HEF



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 GA. R – LIGHT STONE

TRIM TABLE FRAME LINE A & E		
◇ID	PART	LENGTH
1	BASE TRM	20'-3"
2	BASE TRM	10'-6"
3	BASE TRM	11'-0"
4	BASE TRM	5'-6"
5	O/S CORN	18'-0"
6	GUTEND L	1"
7	CORBOX L	1'-0"
8	GUTEND R	1"
9	CORBOX R	1'-0"
10	GUTTER	20'-3"
11	GUTTER	15'-0"
12	R JAMB	3'-3"
13	R HEAD	4'-7"
14	R HEAD	4'-4"
15	R JAMB	7'-5"
16	R HEAD	3'-7"
17	R JAMB	16'-3"
18	R HEAD	14'-3"
19	BASE TRM	15'-0"



SIDEWALL SHEETING & TRIM: FRAME LINE E

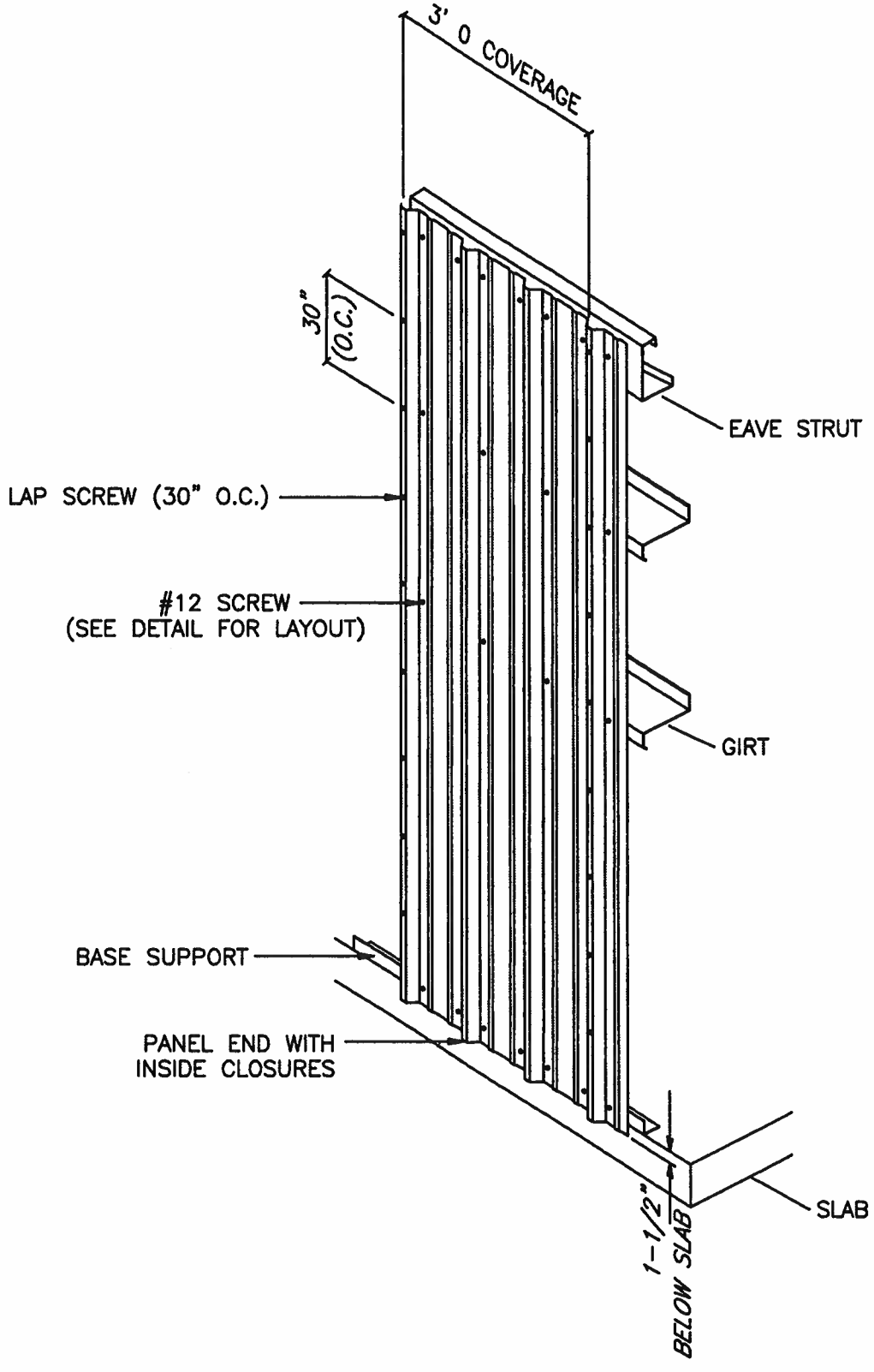
PANELS: 26 GA. R – LIGHT STONE

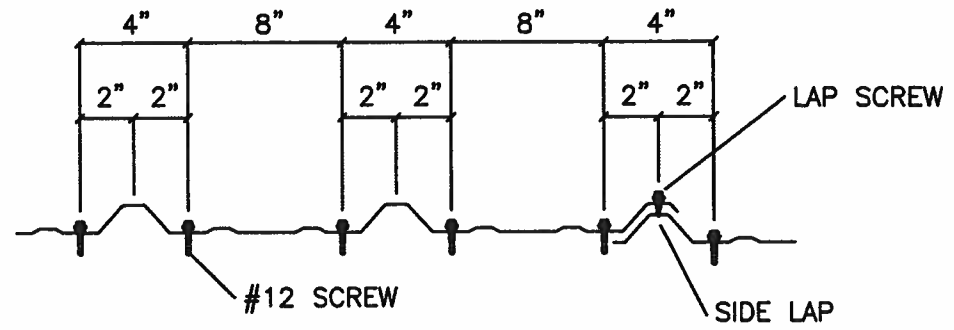
ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

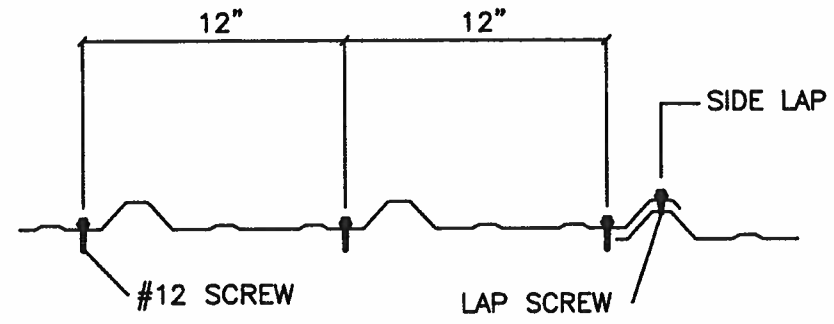
SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER: LARRY PERRY, JR.			
REVISIONS	JOB NO: 06-01-002	DATE: 1/ 6/06	
[1]	LOCATION: COLUMBIA CO., FL		
[2]	DRAWING NAME: SIDEWALL PANELS & TRIM		SCALE: NONE
[3]	DRAWING NO: PAGE 7	DRAWN BY: CFR	CHECKED BY: HEF





DETAIL AT PANEL END



DETAIL AT INTERIOR OF PANEL

NOTES:

[1] METAL SHAVINGS MUST BE SWEPT FROM THE PANELS DURING ERECTION TO PREVENT SURFACE RUSTING.

[2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE STRUCTURALS. LAP SCREWS ARE USED AT THE PANEL TO PANEL ATTACHMENTS. THESE FASTENERS ARE SELF-DRILLING.

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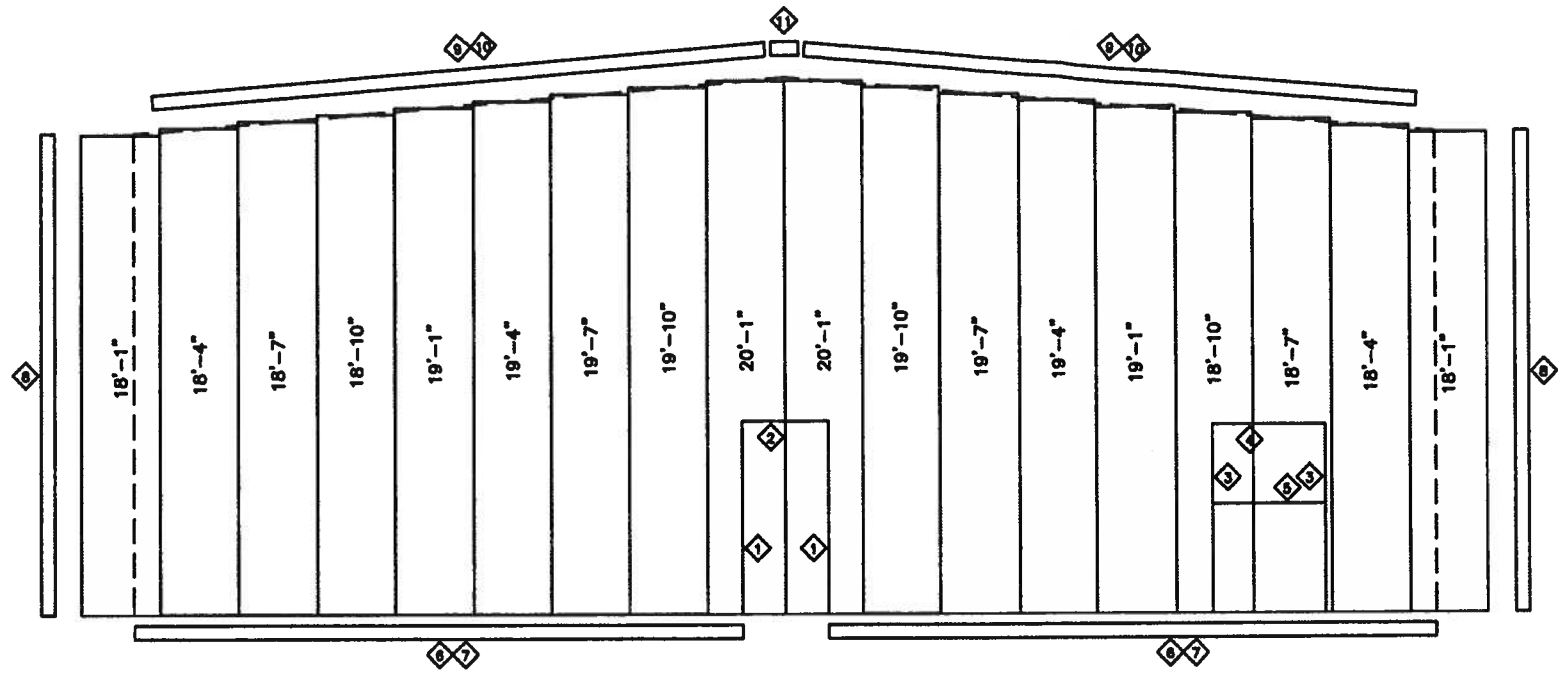
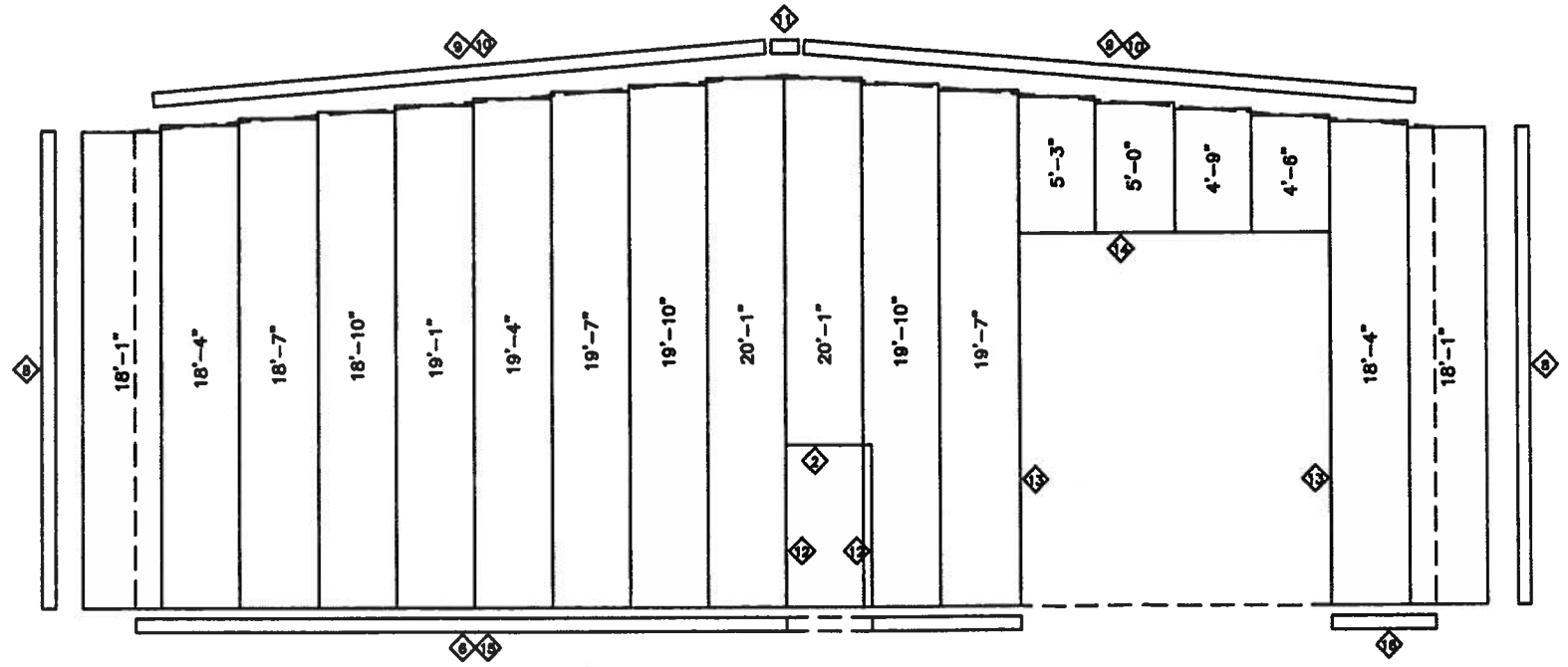
[1]	LOCATION: COLUMBIA CO., FL		
[2]	DRAWING NAME: SIDEWALL PANEL DETAILS		SCALE: NONE
[3]	DRAWING NO: PAGE 7.1	DRAWN BY: CFR	CHECKED BY: HEP

TRIM TABLE FRAME LINE 1 & 4		
◇ID	PART	LENGTH
1	R JAMB	7'-5"
2	R HEAD	3'-7"
3	R JAMB	3'-3"
4	R HEAD	4'-7"
5	R HEAD	4'-4"
6	BASE TRM	20'-3"
7	BASE TRM	3'-4"
8	O/S CORN	18'-0"
9	RAKE TRM	20'-3"
10	RAKE TRM	5'-2"
11	PEAK BOX	1'-4"
12	R JAMB	7'-5"
13	R JAMB	14'-3"
14	R HEAD	12'-3"
15	BASE TRM	14'-0"
16	BASE TRM	4'-0"



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 GA. R - LIGHT STONE



ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 GA. R - LIGHT STONE

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
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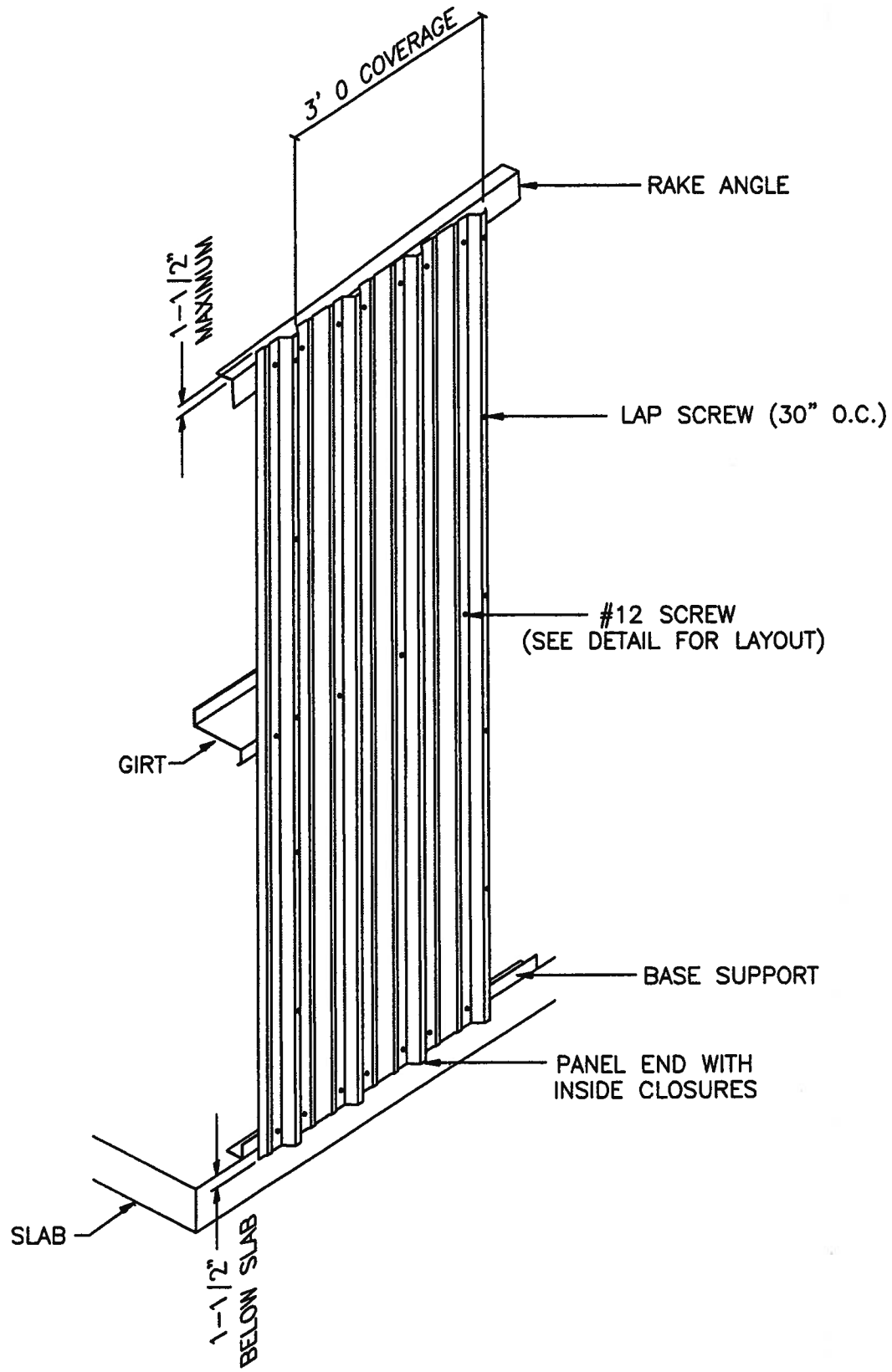
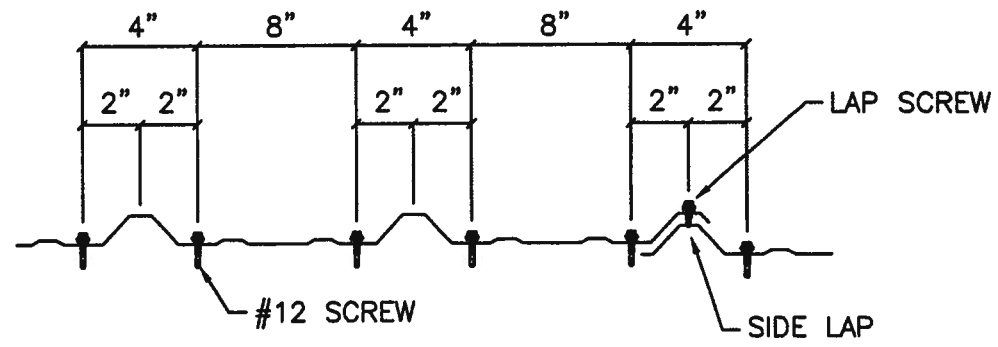
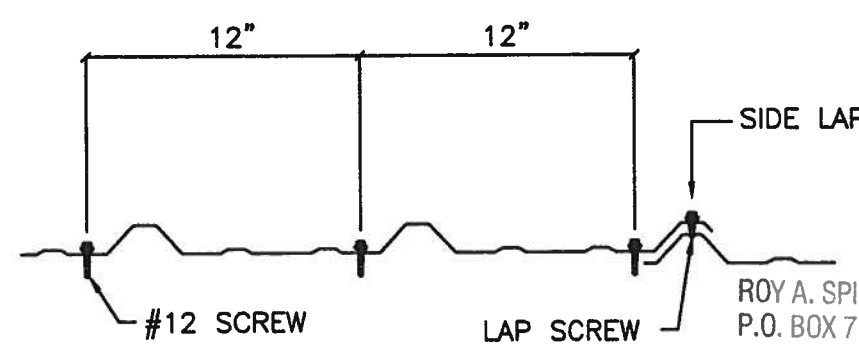
[3]	DRAWING NAME: ENDWALL PANELS & TRIM		SCALE: NONE
	DRAWING NO: PAGE 8	DRAWN BY: CFR	CHECKED BY: HEP





DETAIL AT PANEL END



DETAIL AT INTERIOR OF PANEL

NOTES:

[1] METAL SHAVINGS MUST BE SWEPT FROM THE PANELS DURING ERECTION TO PREVENT SURFACE RUSTING.

[2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE STRUCTURALS. LAP SCREWS ARE USED AT THE PANEL TO PANEL ATTACHMENTS. THESE FASTENERS ARE SELF-DRILLING.

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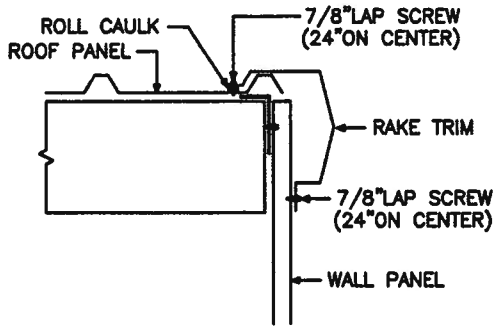
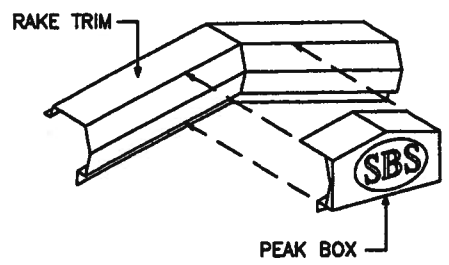
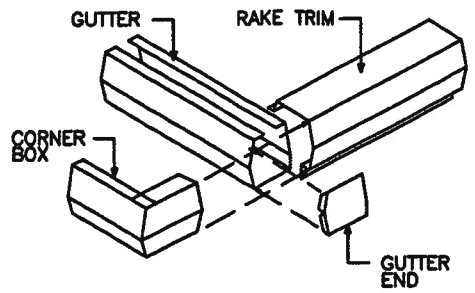
[3]	DRAWING NAME: ENDWALL PANEL DETAILS		SCALE: NONE
	DRAWING NO: PAGE 8.1	DRAWN BY: CFR	CHECKED BY: HEP



RAKE TRIM DETAIL



PEAK BOX DETAIL



GUTTER END DETAIL

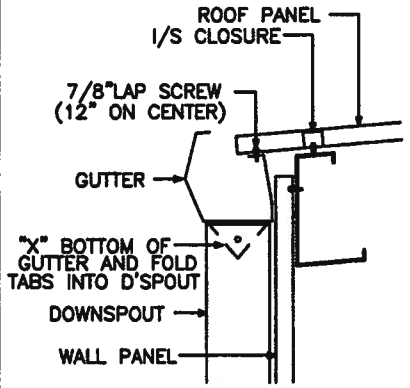
TRIM NOTES:

[1] SEAL TRIM SPLICES WITH TUBE CAULK.

[2] SECURE GUTTER SPLICES AND END PLUGS WITH RIVETS.

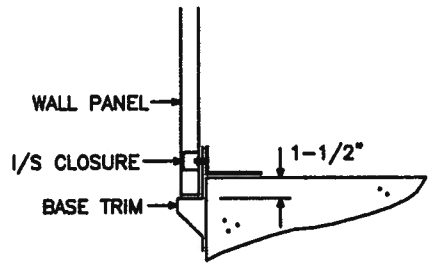
[3] SECURE ALL OTHER ROOF TRIM SPLICES WITH TRIM SCREWS UNLESS NOTED OTHERWISE.

[4] TRIM SCREWS ARE LOCATED 24" ON CENTER UNLESS NOTED OTHERWISE.

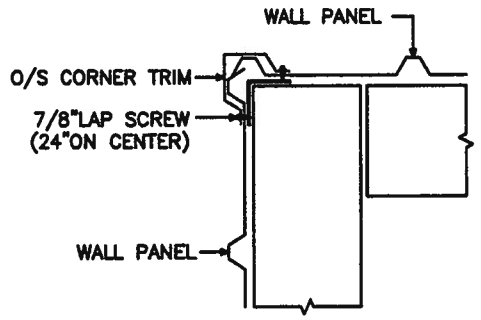


NOTE: INSTALL GUTTER STRAPS 3'0" ON CENTER.
NOTE: INSTALL D'SPOUT STRAPS 5'0" ON CENTER.

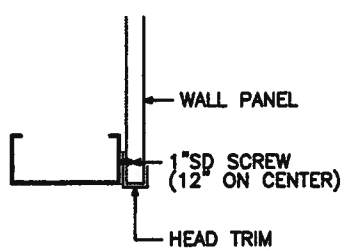
GUTTER DETAIL



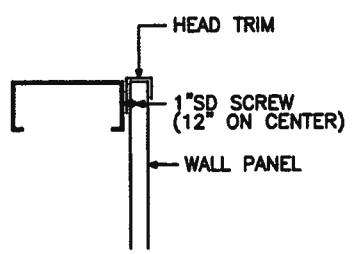
BASE TRIM DETAIL



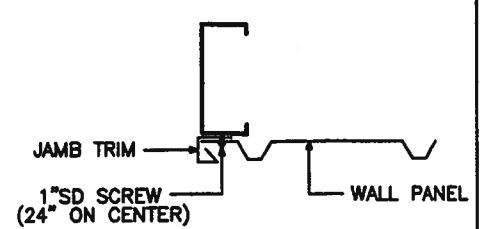
O/S CORNER DETAIL



HEAD TRIM DETAIL AT HEADER



HEAD TRIM DETAIL AT SILL



JAMB TRIM DETAIL AT JAMB

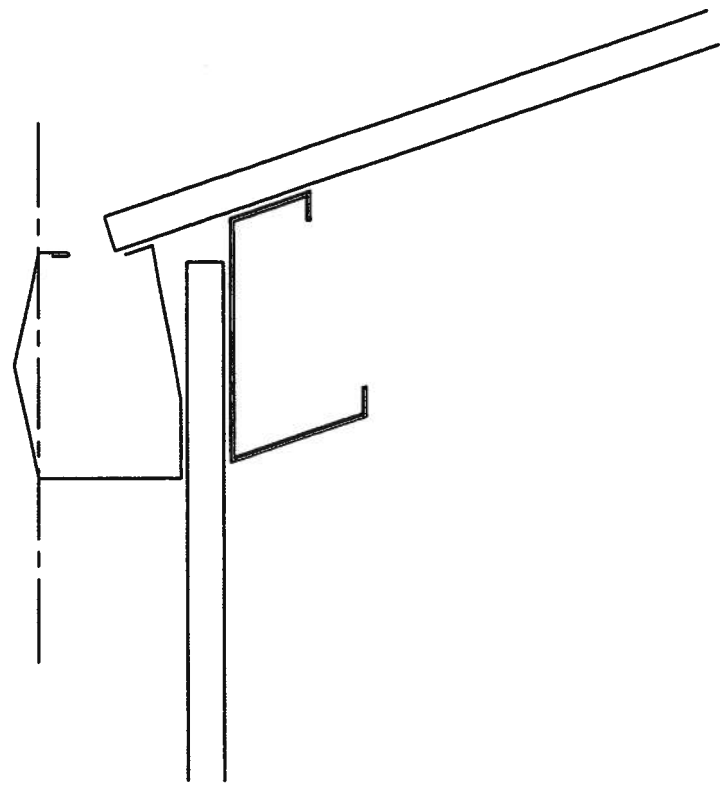
ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

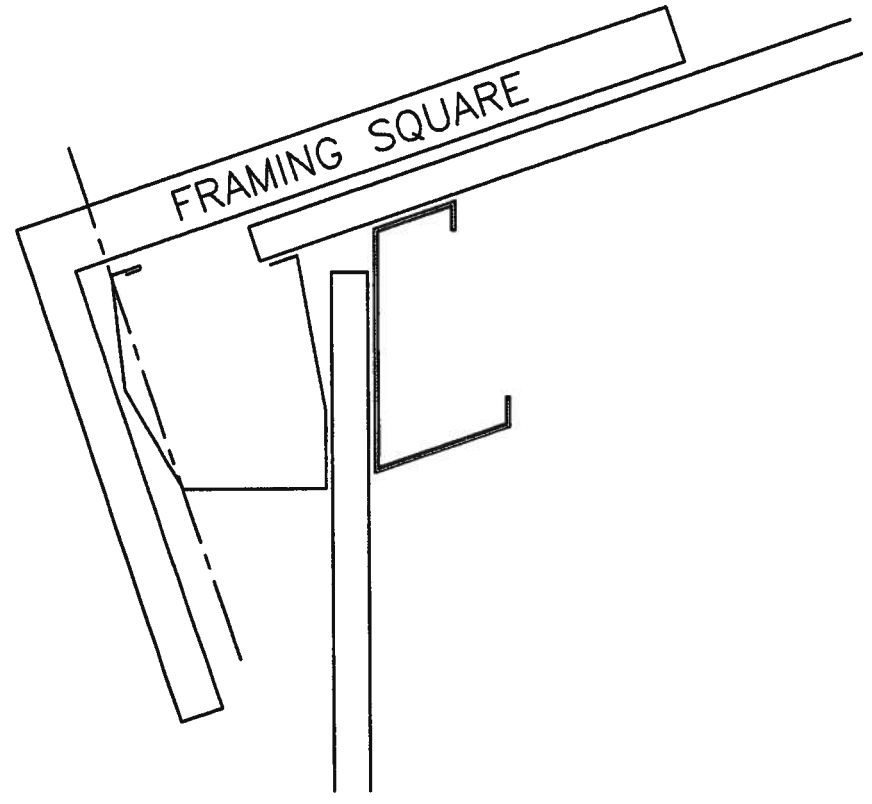
1/6/06

SBS STEEL BUILDING SYSTEMS, INC.

REVISIONS	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: TRIM DETAILS		SCALE: NONE
	DRAWING NO: PAGE 9	DRAWN BY: CFR	CHECKED BY: HEP



DO NOT INSTALL GUTTER WITH OUTSIDE FACE PERPENDICULAR TO THE GROUND.



INSTALL GUTTER WITH OUTSIDE FACE PERPENDICULAR TO THE ROOF.

GUTTER INSTALLATION DETAIL

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

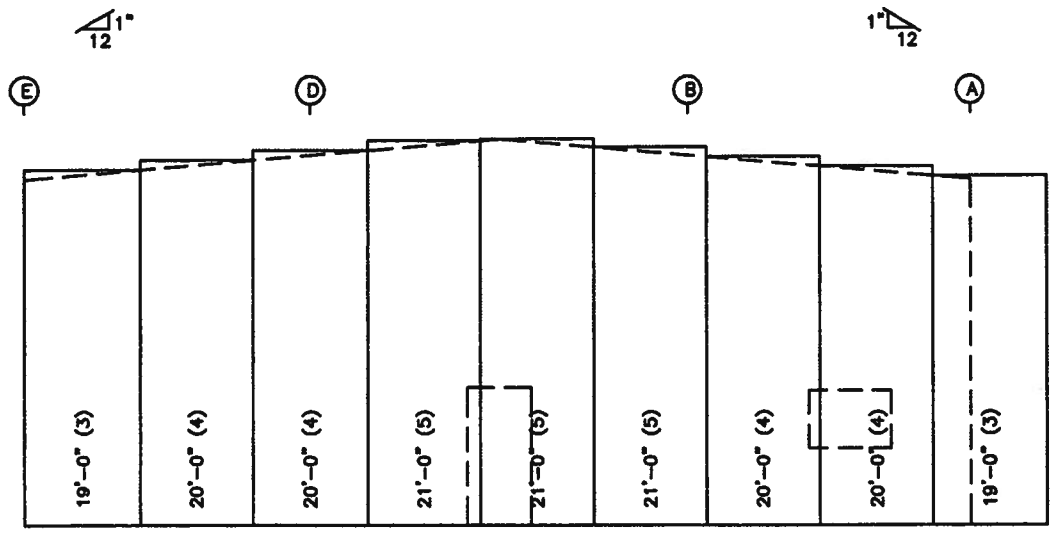
11/10/06

SBS STEEL BUILDING SYSTEMS, INC.			
	CUSTOMER: LARRY PERRY, JR.		
REVISIONS	JOB NO: 06-01-002	DATE: 1/ 6/06	
[1]	LOCATION: COLUMBIA CO., FL		
[2]	DRAWING NAME: GUTTER INSTALLATION DETAILS		SCALE: NONE
[3]	DRAWING NO: PAGE 9.1	DRAWN BY: CFR	CHECKED BY: HEF

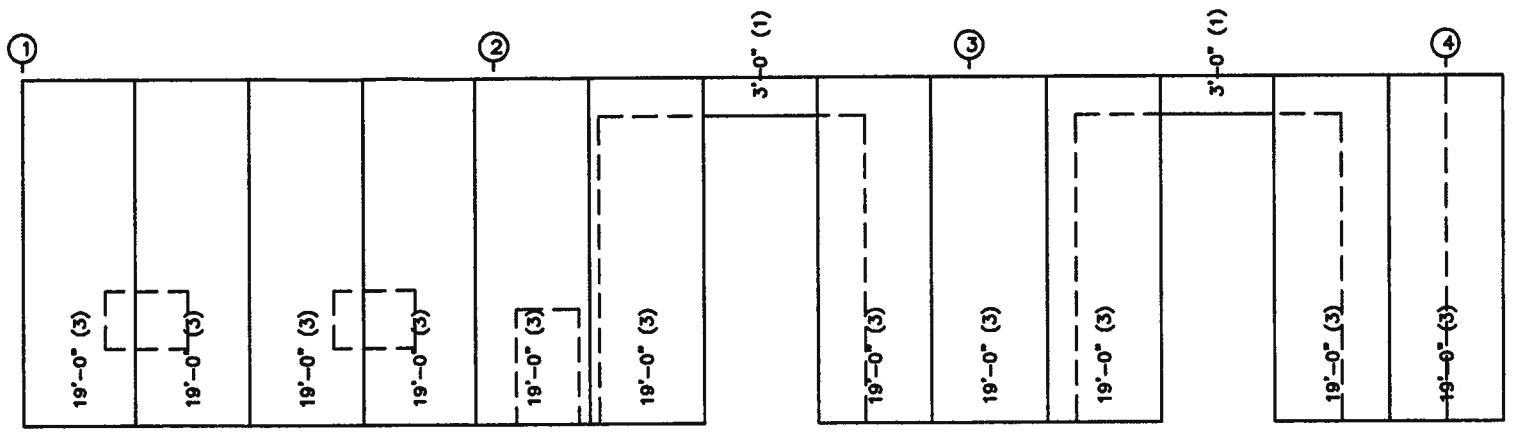
WALL INSULATION TABLE FRAME LINE 1 & A & 4 & E				
ROLL	QUAN	MARK	WIDTH	LENGTH
1	2	WI-1	6'-0"	3'-0"
2	1	WI-2	6'-0"	6'-0"
3	28	WI-3	6'-0"	19'-0"
4	7	WI-4	6'-0"	20'-0"
5	6	WI-5	6'-0"	21'-0"

ROOF INSULATION TABLE FRAME LINE 1 & A & 4 & E			
QUAN	MARK	WIDTH	LENGTH
13	RI-1	6'-0"	53'-0"

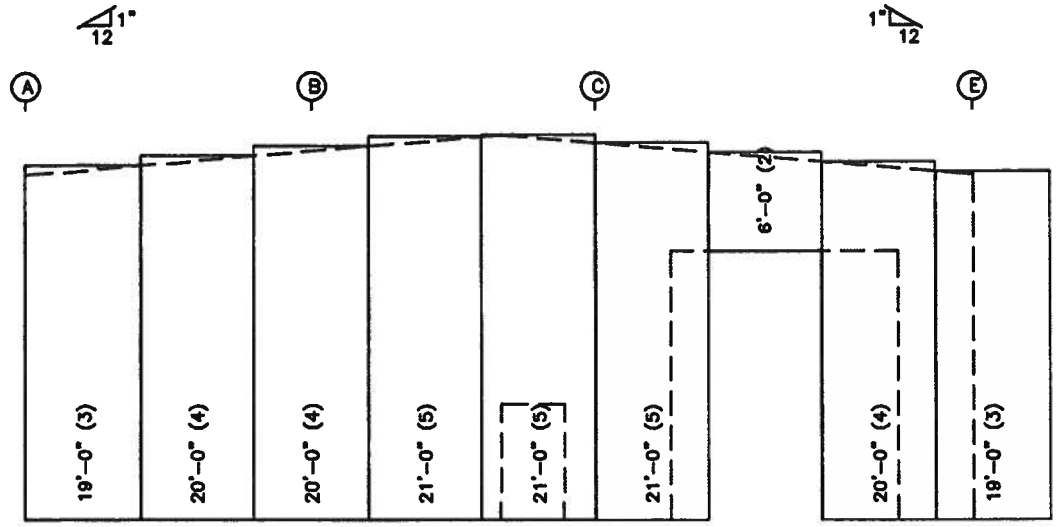
LEGEND:
3'-0" (1)
LENGTH (ROLL #)



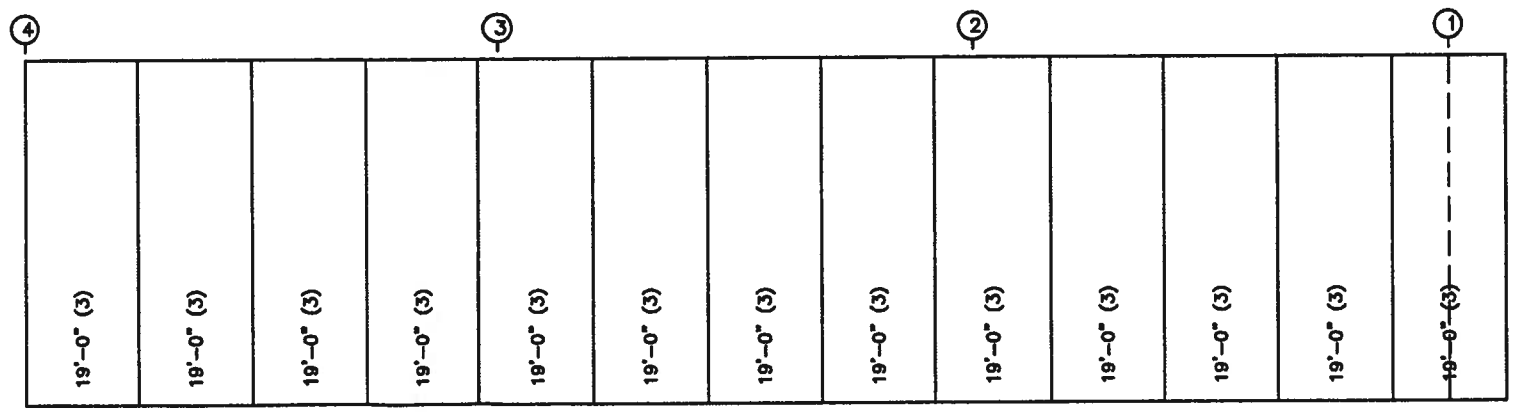
ENDWALL INSULATION: FRAME LINE 1



SIDEWALL INSULATION: FRAME LINE A



ENDWALL INSULATION: FRAME LINE 4



SIDEWALL INSULATION: FRAME LINE E

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
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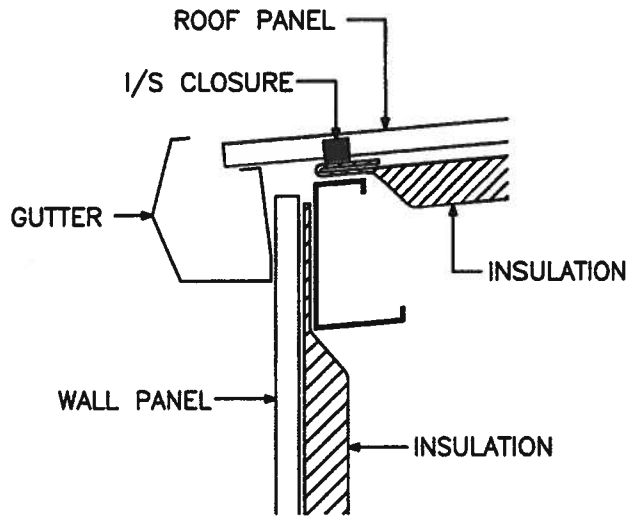
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP

11/06/06

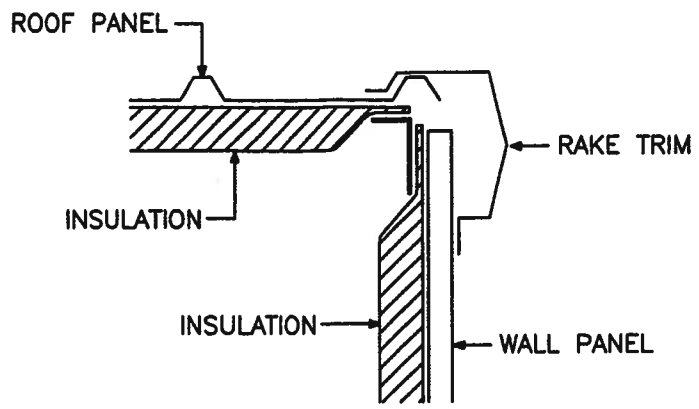
SBS STEEL BUILDING SYSTEMS, INC.

REVISIONS	CUSTOMER: LARRY PERRY, JR.		
[1]	JOB NO: 06-01-002	DATE: 1/ 6/06	
[2]	LOCATION: COLUMBIA CO., FL		
[3]	DRAWING NAME: INSULATION LAYOUT		SCALE: NONE
	DRAWING NO: PAGE 10	DRAWN BY: CFR	CHECKED BY: HEF

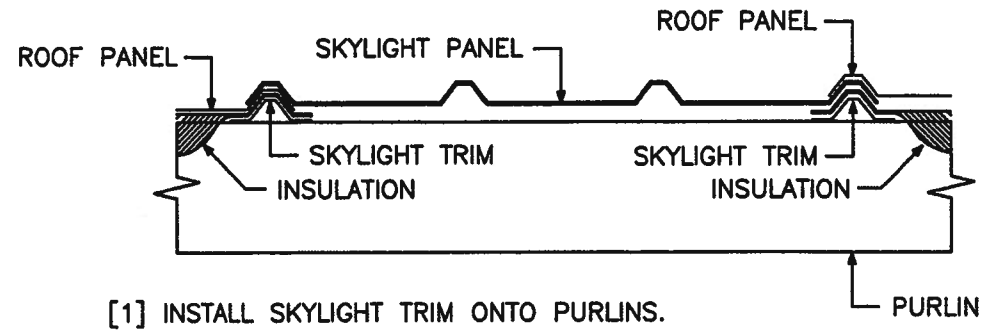


EAVE DETAIL

NOTE: FOLD ROOF INSULATION BACK 3" TO 6".



RAKE DETAIL



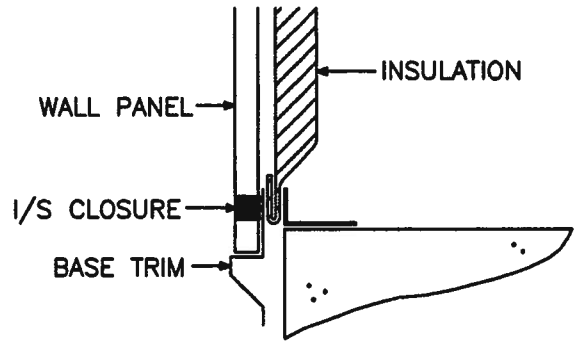
[1] INSTALL SKYLIGHT TRIM ONTO PURLINS.

[2] INSTALL INSULATION OVER SKYLIGHT TRIM.

[3] INSTALL ROOF PANEL AND SKYLIGHT PANEL OVER INSULATION.

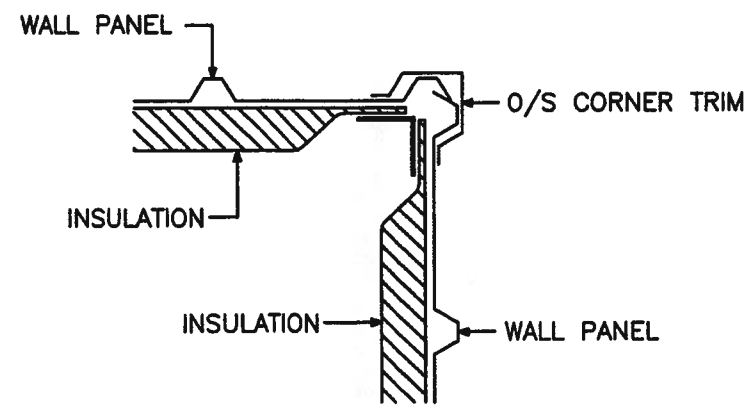
[4] CUT OUT INSULATION FLUSH TO SKYLIGHT TRIM WITH A RAZOR KNIFE.

SKYLIGHT TRIM DETAIL



BASE DETAIL

NOTE: FOLD INSULATION BACK 3" TO 6".



CORNER DETAIL

CAUTION: FAILURE TO FOLD FACING OF INSULATION BACK FROM THE PANEL EDGE AT THE BASE AND EAVE COULD RESULT IN PANEL DAMAGE AND WILL VOID THE PANEL WARRANTY.

ROY A. SPIKER
P.O. BOX 7761
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REVISIONS		
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	DRAWING NAME: INSULATION DETAILS	SCALE: NONE
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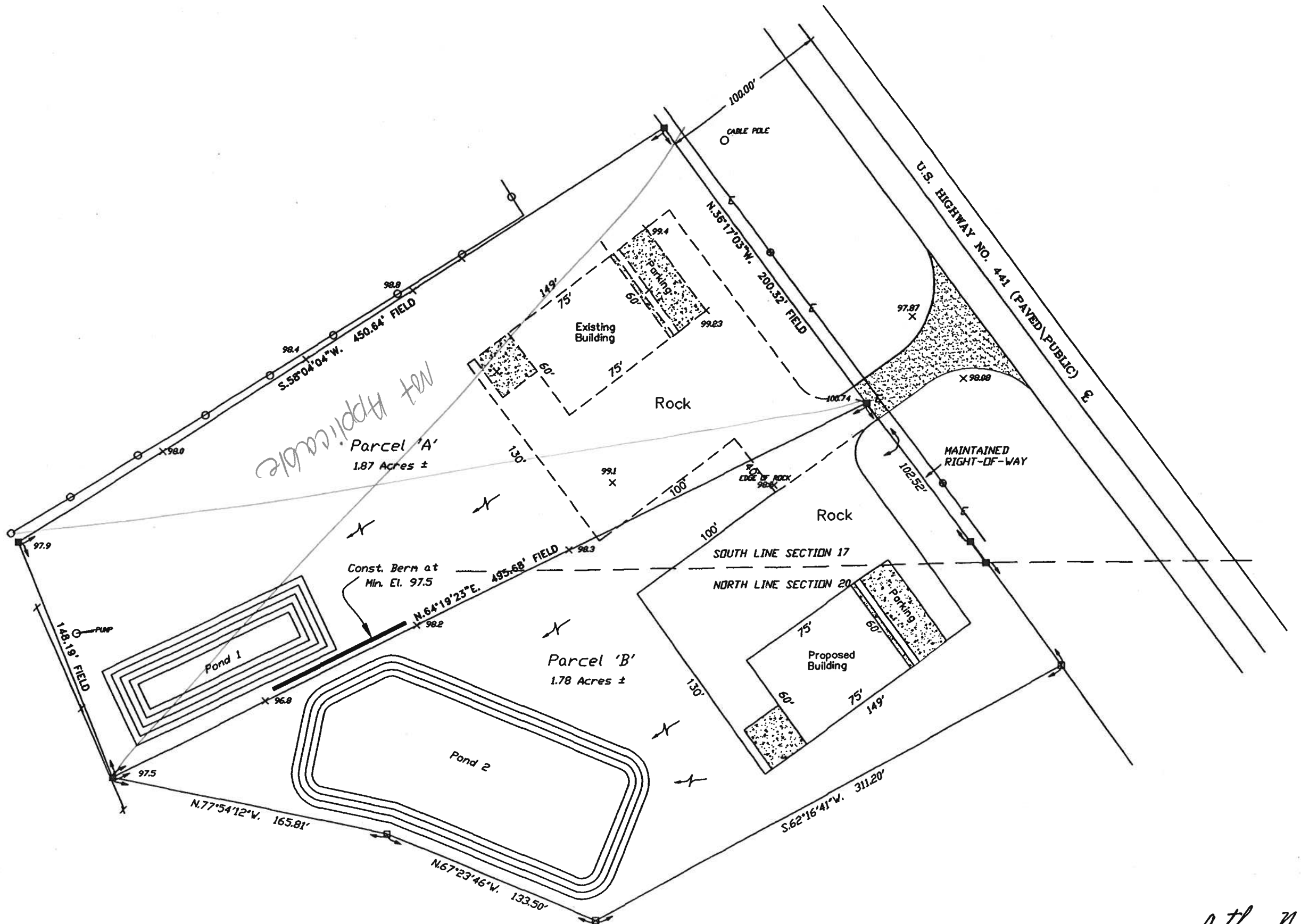

Not Applicable

Arthur N. Bedenbaugh
1-19-06

Revisions						ARTHUR N. BEDENBAUGH, P.E.	LARRY PERRY Jr.	Columbia County	PLAN & DRAINAGE SHEET	SHEET 2
Date	By	Description	Date	By	Description	637 SW HILLCREST ST ■ LAKE CITY, FLORIDA 32025 TELEPHONE: (386) 752-5846		JOB NUMBER: 10-2005		