

DATE 04/27/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT

000024447

APPLICANT JOHN O'NEAL PHONE 752-7578
ADDRESS P.O. BOX 3505 LAKE CITY FL 32056
OWNER SCAFF INC PHONE 752-7344
ADDRESS 3242 S US HIGHWAY 441 LAKE CITY FL 32025
CONTRACTOR O'NEAL CONTRACTING PHONE 752-7578
LOCATION OF PROPERTY 41S, ON THE RIGHT SIDE ACROSS FROM CR 252

TYPE DEVELOPMENT COMMERCIAL BLDG ESTIMATED COST OF CONSTRUCTION 398395.00
HEATED FLOOR AREA 4097.00 TOTAL AREA 4097.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB
LAND USE & ZONING CG MAX. HEIGHT 30
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-17-08408-000 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES

CBC057550
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING X06-098 BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD,
SDP 04-10 VERBAL BY NEIL MILES FOR FDOT/APPROVED

Check # or Cash 11257

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. by
Framing Rough-in plumbing above slab and below wood floor
date/app. by date/app. by
Electrical rough-in Heat & Air Duct Peri. beam (Lintel)
date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by
M/H tie downs, blocking, electricity and plumbing Pool
date/app. by date/app. by
Reconnection Pump pole Utility Pole
date/app. by date/app. by date/app. by
M/H Pole Travel Trailer Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 1,992.00 CERTIFICATION FEE \$ 20.48 SURCHARGE FEE \$ 20.48
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 \$2,107.96
INSPECTORS OFFICE CLERKS OFFICE

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 INCONVENIENCE, 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.

4 Columbia County Building Permit Application

B-New FAX - 755-0248

CK#11257

Revised 9-23-04

For Office Use Only Application # 0603-89 Date Received 3/23/06 By GT Permit # 24447
 Application Approved by - Zoning Official BLK Date 30.03.06 Plans Examiner AKJH Date 4-24-06
 Flood Zone A Development Permit N/A Zoning CG Land Use Plan Map Category COMMERCIAL
 Comments SDP 04-10

City Water

Applicants Name JOHN W. O'NEAL Phone 386-752-7578
 Address P.O. BOX 3505 - LAKE CITY, FLORIDA 32056
 Owners Name STAFFORD L. & ANNE C. SCAFF Phone 386-752-7344
 911 Address 3242 S US HIGHWAY 441 - LAKE CITY, FLORIDA 32025
 Contractors Name O'NEAL CONTRACTING, INC. Phone 386-752-7578
 Address P.O. BOX 3505 - LAKE CITY, FLORIDA 32056
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address CRAIG SALLEY & ASSOCIATES - 3911 NEWBERRY RD. - GAINESVILLE, FL
 Mortgage Lenders Name & Address N/A
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 17-4517-08408-000 Estimated Cost of Construction \$ 398,395.00
 Subdivision Name N/A Lot Block Unit Phase
 Driving Directions GO SOUTH ON US 41 TO THE INTERSECTION OF S.R. 252 ADJACENT TO COLUMBIA HIGH SCHOOL. NEW STORE WILL BE ON WEST SIDE OF INTERSECTION.

Type of Construction MANORRY Comm. Number of Existing Dwellings on Property 0
 Total Acreage Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 100 FT. Side 100 FT. Side 100 FT. Rear 100 FT.
 Total Building Height 30 FT. Number of Stories 1 Heated Floor Area 4097 S.F. Roof Pitch 4 / 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.

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Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA



Teresa Home
MY COMMISSION # DD241629 EXPIRES
October 25, 2007
BONDED THRU TROY FAIR INSURANCE, INC.

Sworn to (or affirmed) and subscribed before me
this 23rd day of march 2006.

Personally known or Produced Identification

Contractor Signature

Contractors License Number CBC057550

Competency Card Number

NOTARY STAMP/SEAL



Teresa Home
MY COMMISSION # DD241629 EXPIRES
October 25, 2007
BONDED THRU TROY FAIR INSURANCE, INC.

Notary Signature

Columbia County Property Appraiser

DB Last Updated: 3/7/2006

Parcel: 17-4S-17-08408-000

2006 Proposed Values**Owner & Property Info**

Owner's Name	SCAFF STAFFORD L JR & ANNE C
Site Address	DOR 2000
Mailing Address	134 SE COLBURN AVE LAKE CITY, FL 32025
Brief Legal	COMM SW COR DIXIE VILLA S/D, RUN S 1456 FT, E 787.7 FT FOR POB, E 75.8 FT, N 102.3 FT, E

[Tax Record](#)[Property Card](#)[Interactive GIS Map](#)[Print](#)

Search Result: 1 of 1

Use Desc. (code)	MISC COMME (001001)
Neighborhood	17417.00
Tax District	2
UD Codes	MKTA01
Market Area	01
Total Land Area	3.379 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (2)	\$154,214.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (2)	\$1,603.00
Total Appraised Value		\$155,817.00

Just Value	\$155,817.00
Class Value	\$0.00
Assessed Value	\$155,817.00
Exempt Value	\$0.00
Total Taxable Value	\$155,817.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
8/1/2000	907/1291	WD	I	Q		\$326,000.00
1/15/1998	851/2340	WD	I	Q		\$300,000.00
2/26/1988	645/463	WD	I	U		\$110,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0260	PAVEMENT-A	0	\$1,000.00	1.000	0 x 0 x 0	(.00)

O'NEAL CONTRACTING, INC.

818 HICKORY LANE
P.O. BOX 3505
LAKE CITY, FLORIDA 32056-3505
PHONE (904) 752-7578

letter of transmittal

TO Joe Hultinwanger

Calhoun Bldg. Dept.

DATE	3-23-06	JOB NO.
ATTENTION	Joe	
RE	SFS # 28	

GENTLEMEN:

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:
☒ Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☒ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NUMBER	DESCRIPTION
2	1-19-06		DOT Notice of intent to issue permit
2	1-05-05		SWANNEE RIVER WATER mgmt permit
2	12-02-03		ENERGY EFFICIENCY code
2	01-13-06		Site Plans
2	10-02-03		Building Plans (Cham Salley & Assoc.)
2	10-02-03		M E P Plans (Coburn & Assoc.)
2	12-14-04		Zoning Approval
2	2-20-06		Columbia County 911 Addressing
2	2-24-06		TRUSS Engineered Demolition
1	3-23-06		Columbia Check List & Application

THESE ARE TRANSMITTED as checked below:

- ☒ For approval
☐ For your use
☐ As requested
☐ Approved as submitted
☐ Approved as noted
☐ Returned for corrections
☐ Resubmit _____ copies for approval
☐ Submit _____ copies for distribution
☐ Return _____ corrected prints
☐ For review and comment
☐ For bids due _____ 19_____
☐ Prints returned after loan to us
☐ _____

REMARKS.

We Are Hooking up to the
city of lake city for water
& sewer.

SIGNED:

John W. O'Neal

COLUMBIA COUNTY BUILDING DEPARTMENT

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 WITH AMENDMENTS

ALL REQUIREMENTS LISTED ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INCLUDE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 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 1606 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
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

- | | | |
|-------------------------------------|--------------------------|---|
| ☒ | ☐ | 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. |
| ☒ | ☐ | Designers name and signature on document (FBC 104.2.1) If licensed architect or engineer, official seal shall be affixed. |
| ☒ | ☐ | <u>Two (2) Copies of Approved Site Plan</u> |
| ☒ | ☐ | <u>Minimum Type Construction</u> (FBC Table 500) |
| ☒ | ☐ | <u>Wind Load Engineering Summary, calculations and any details required:</u>
a) Plans or specifications must state compliance with FBC Section 1606
b) The following information must be shown as per section 1606.1.7 FBC <ol style="list-style-type: none">1. Basic wind speed (MPH)2. Wind importance factor (I) and building category3. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated4. The applicable internal pressure coefficient5. 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 |
| ☒ | ☐ | <u>Fire Resistant Construction Requirements shall include:</u>
a) Fire resistant separations (listed system)
b) Fire resistant protection for type of construction
c) Protection of openings and penetrations of rated walls (listed systems)
d) Fire blocking and draft-stopping
e) Calculated fire resistance |

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- Structural Requirements shall include:**

- a) Soil conditions/analysis
- b) Show type of termite treatment (termicide or alternative method)
- c) Design loads
- d) Wind requirements
- e) Building envelope
- f) Structural calculations
- g) Foundations
- h) Wall systems
- i) Floor systems
- j) Roof systems
- k) Threshold inspection plan (if applicable)
- l) Stair systems

- a) Wood
- b) Steel
- 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

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Accessibility Requirements shall include:

- a) Site requirements
- b) Accessible route
- c) Vertical accessibility
- d) Toilet and bathing facilities
- e) Drinking fountains
- f) Equipment
- g) Special occupancy requirements
- h) Fair housing requirements

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Interior Requirements shall include:

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

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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~~

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Electrical:

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

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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

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; If you were required to have a Site and Development Plan Approval, list SDP number.
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
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. (386) 497-2321
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 \$50.00
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 (\$25.00). 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.
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.

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS – PLEASE DO NOT ASK

COPY



The Florida Department of Community Affairs Building Code Information System

SITE NAVIGATION



Home



Florida
Building
Code



Manufactured
Buildings



Prototype
Building



Hardware



Training



License
Search



Meeting
List



Florida
Building
Code



FBC

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	ASTM E 283-	1991
2400	91	
	ASTM E 331-	1996
	96	
	ASTM E 330-	1996
	96	
	ASTM E 330-	1996
	96	

Post-it® Fax Note	7671	Date	Jan 13	# of pages	13
To	CARL	From	Jan 13		
Co./Dept.	LAKE CITY	Co.	V. WALL		
Phone #		Phone #			
Fax #	786-752-5952	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_Jetterofindpen
[1].pdf

Installation Documents Uploaded:

Product Approval Method: Method 1 Option D

Application Status: Approved

Date Validated: 07/13/2004

Page:

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.
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Next



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my

TELEPHONE (AREA CODE 214)

565-0583
565-0584
421-1400

CABLE ADDRESS "DALAB"

DALLAS LABORATORIES, INC.

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

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NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS
TEXAS SOCIETY OF PROFESSIONAL ENGINEERS
ASM INTERNATIONAL
SOCIETY OF PETROLEUM ENGINEERS OF AIMEP. O. BOX 152837
1323 WALL ST

DALLAS, TEXAS 75315

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

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

Attn: Larry Biebuyck

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-PP-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).

Vistawall Arch. Products

Feb. 2, 2004

Page 2 - Report #25221-R-1R

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 jams 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

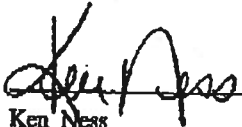
<u>TITLE OF TEST</u>	<u>TEST METHOD</u>	<u>MEASURED</u>	<u>ALLOWED</u>
Air Infiltration @ 1.57 psf	ASTM E 283-91	0.002 CFM/Ft ²	0.06 CFM/Ft ²
Air Infiltration @ 6.24 psf	ASTM E 283-91	0.003 CFM/Ft ²	0.06 CFM/Ft ²
Water Resistance @ 6.24 psf	ASTM E 331-96	No Leakage	No Leakage
Water Resistance @ 8.00 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 - Stationary 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.

Vistawall Arch. Products
Feb. 2, 2004
Page 3 - Report #25221-R-1R

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.**

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

.....
1335 W. Guss Street

Tampa, FL 33606

(813) 251-9244

Fax: 201-9330

www.broadway-eng.com

.....

CIVIL

MECHANICAL

STRUCTURAL

BUILDING DESIGN

.....

STATE OF FLORIDA
DEPARTMENT OF COMMUNITY AFFAIRS
March 31, 2004
Page 2

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



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.



NOA No 03-0903.02
Expiration Date: October 02, 2008
Approval Date: November 06, 2003
Page 1

Vistawall Architectural ProductsNOTICE 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

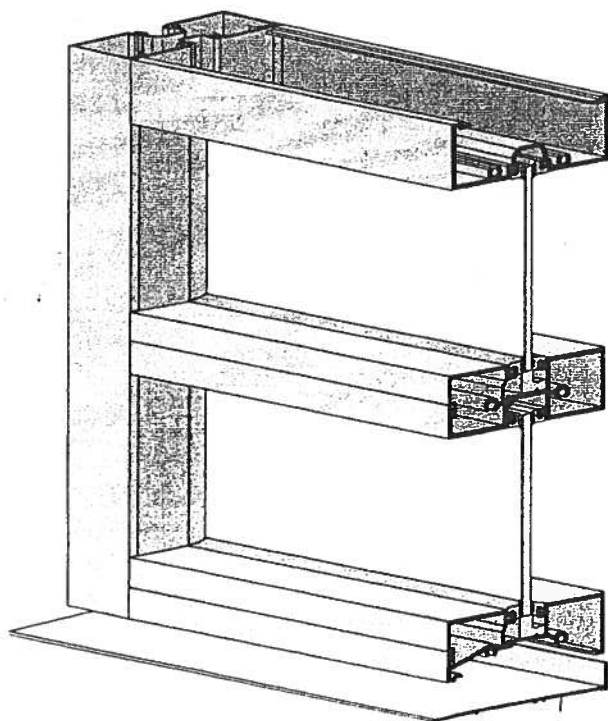
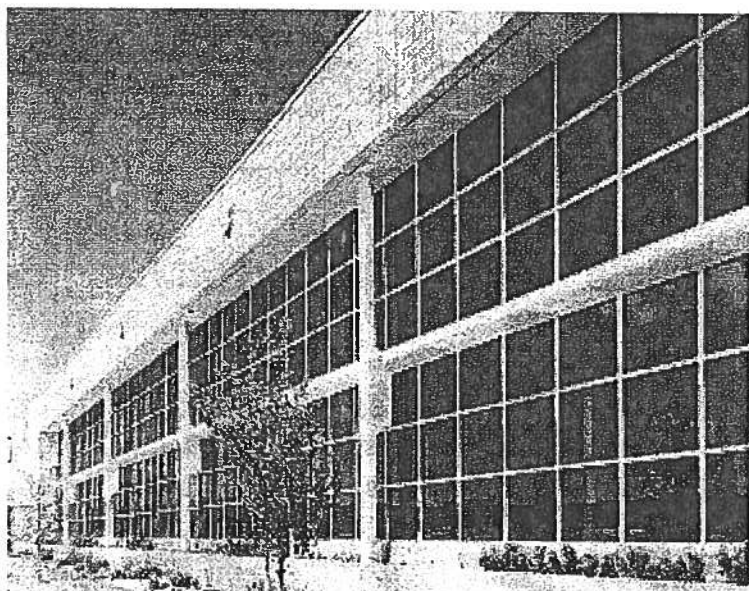
1. Notice of Acceptance No. 00-0124.02 Vistawall Architectural Products, Series "FG-2000" Aluminum Storefront System, approved on 5/26/00 and expiring on 10/02/03.


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 1 1/4" x 4" and the Series 2000 is 1 1/4" x 4 1/2". Both are designed for 3/4" glazing but are easily adapted to 1/2" or 5/8" infills. The Series 3000 (2" x 4 1/2") is designed for 1" but is adaptable to many different infills ranging from 3/4" to 1 1/4".

Features:

- Three different assembly methods: Screw Spline, Shear Block, and Stacking
- Installation manuals
- Tested by independent 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

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

Chicago, IL

Cincinnati, OH

Cleveland, OH

Dallas, TX

Denver, CO

Houston, TX

Las Vegas, NV

Los Angeles, CA

Modesto, CA

Newnan, GA

San Francisco, CA

Seattle, WA

St. Louis, MO

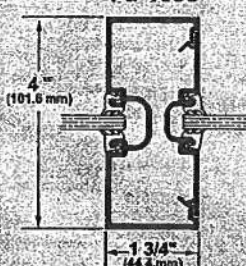
Tampa, FL

Terrell, TX

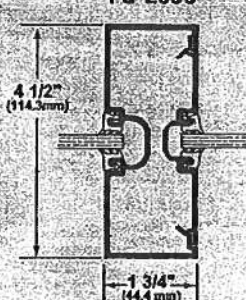
Warwick, RI

Washington, DC

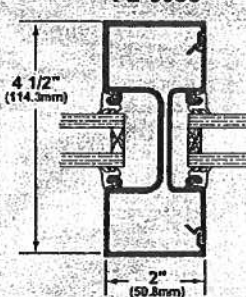
FG-1000



FG-2000



FG-3000

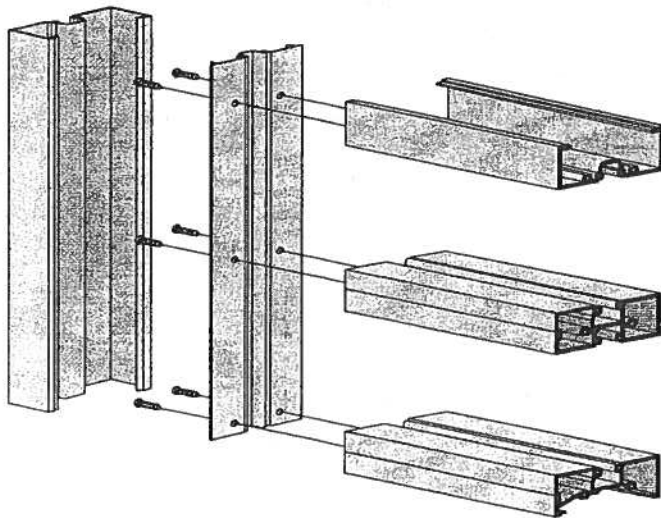


VISTAWALL
ARCHITECTURAL PRODUCTS

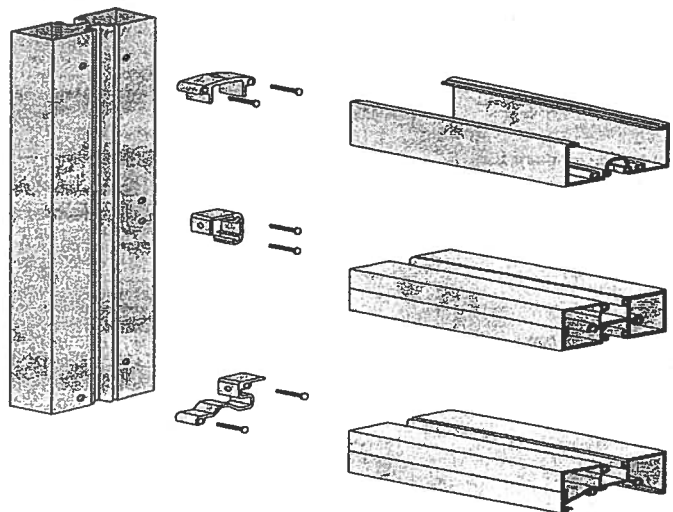
ENGINEERED TO LAST™

Standard Flush Glaze Systems

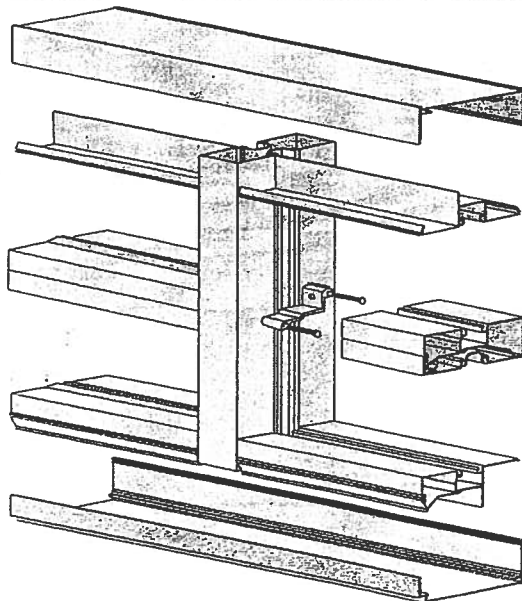
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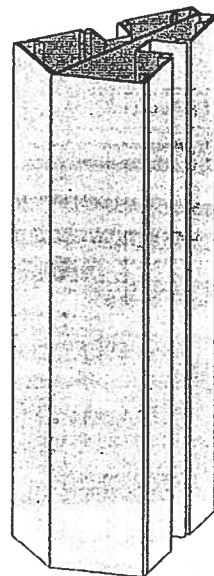
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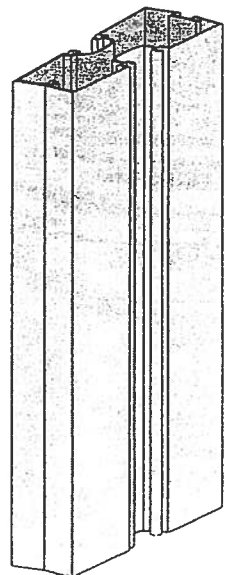
STACK ASSEMBLY



135° CORNER



ADJUSTABLE MULLION



THE VISTAWALL GROUP
BUTLER MANUFACTURING COMPANY

FG-2000 TABLE OF CONTENTS

FG-2000 Features	Page 2
Elevation & Standard System Details - 1/4 Scale	Page 4
Optional Framing and Corner Details - 1/4 Scale	Pages 5-6
Entrance Framing - 1/4 Scale	Pages 7-8
Windload Charts	Pages 9-10

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 STOREFRONT SYSTEM

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

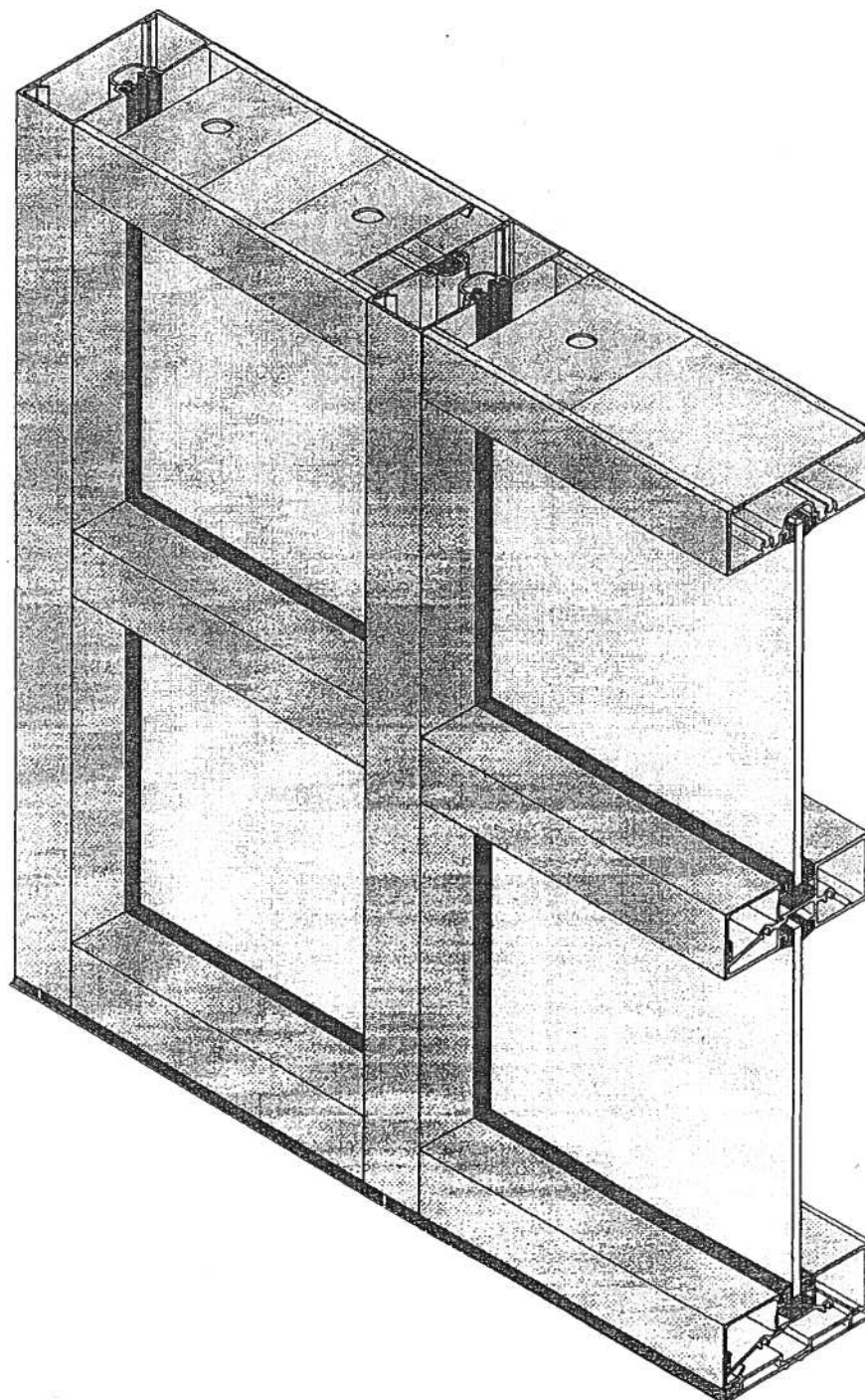
Water: No leakage @10.00psf

Structural: 30.0psf

To download 3-part specification go to:

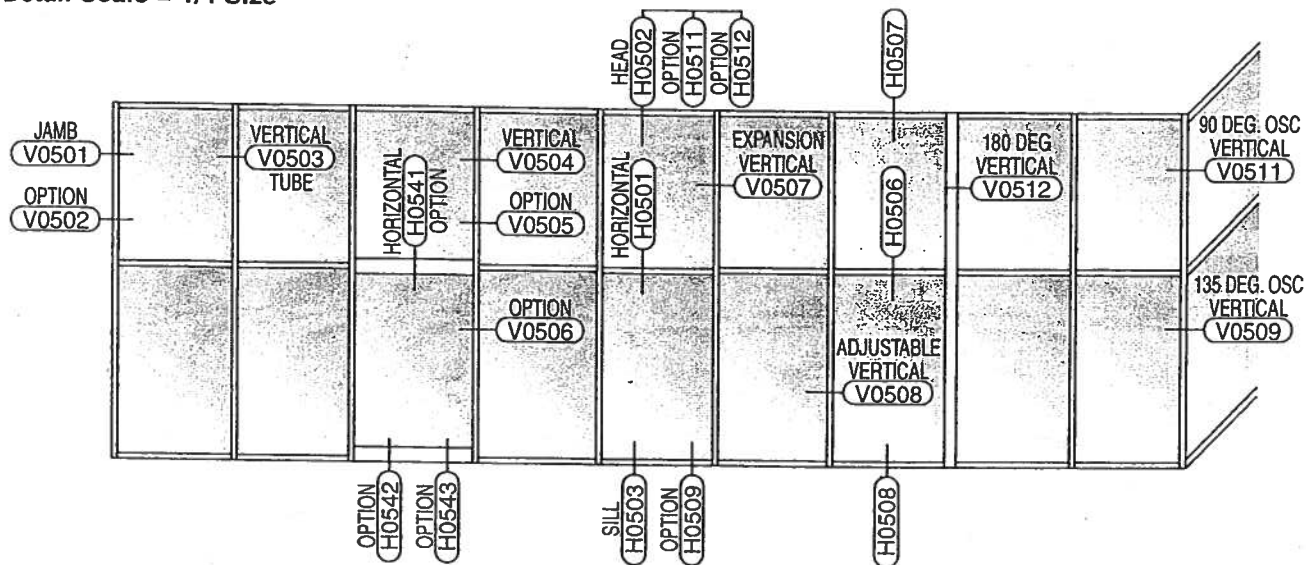
www.vistawall.com/specs/FG2000

FG-2000 STOREFRONT SYSTEM



FG-2000 STOREFRONT SYSTEM

Detail Scale = 1/4 Size



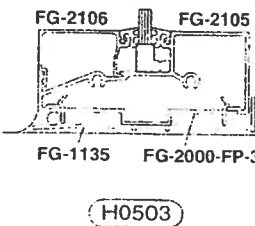
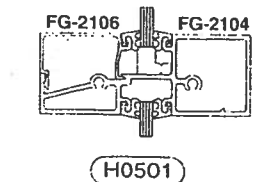
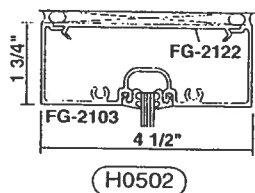
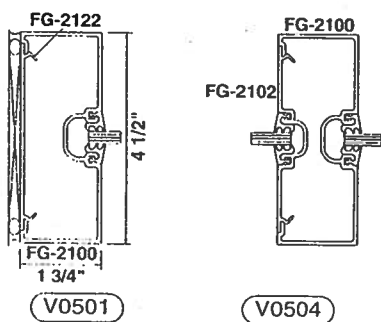
FG-2000 1 3/4" x 4 1/2" FRAMING - 1/4" GLASS

WEBSITE MODEL NO. 35FG2

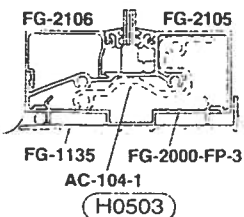
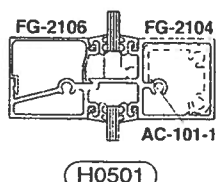
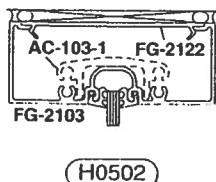
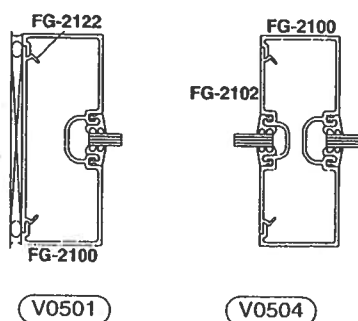
To download full size details: www.vistawall.com/fg2000

Drawing numbers shown (ie H0503) are reference to electronic details only.

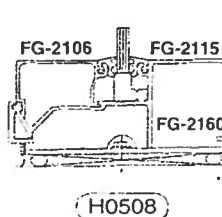
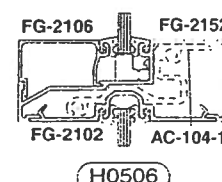
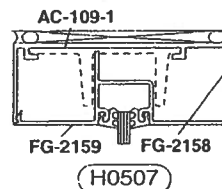
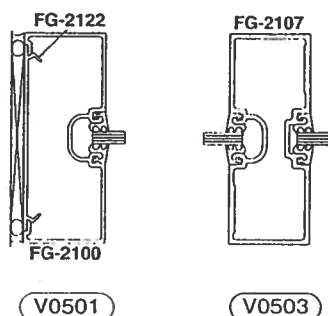
SCREW SPLINE SYSTEM



SHEAR BLOCK SYSTEM



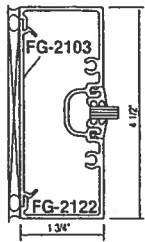
STACKED SYSTEM



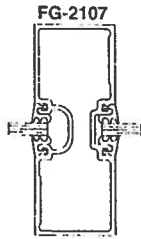
FG-2000 STOREFRONT SYSTEM

Detail Scale = 1/4 Size

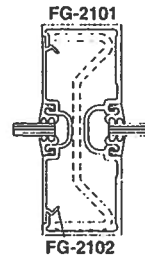
OPTIONAL FRAMING



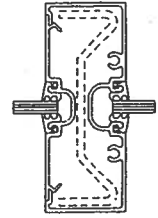
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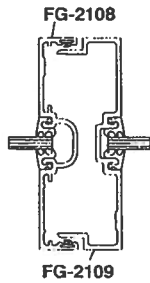
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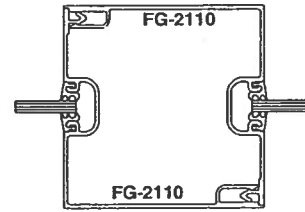
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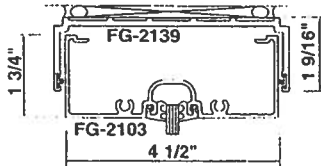
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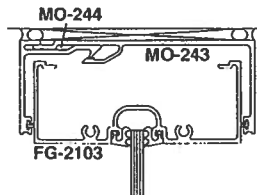
V0507 EXPANSION VERTICAL



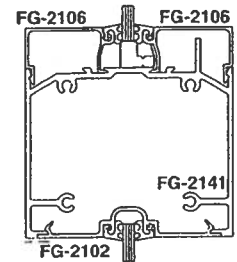
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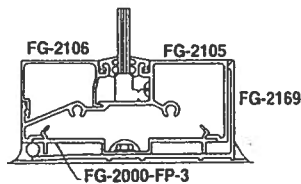
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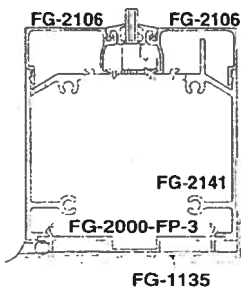
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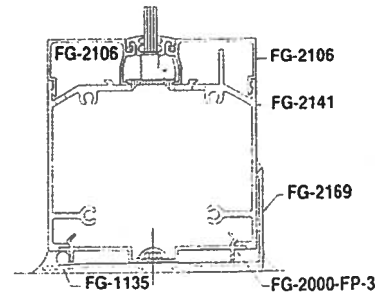
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H0509



H0542

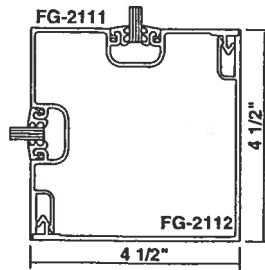


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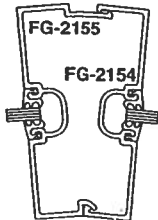
FG-2000 STOREFRONT SYSTEM

Detail Scale = 1/4 Size

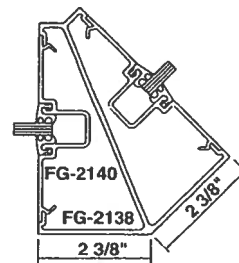
CORNERS



V0511 90° OSC



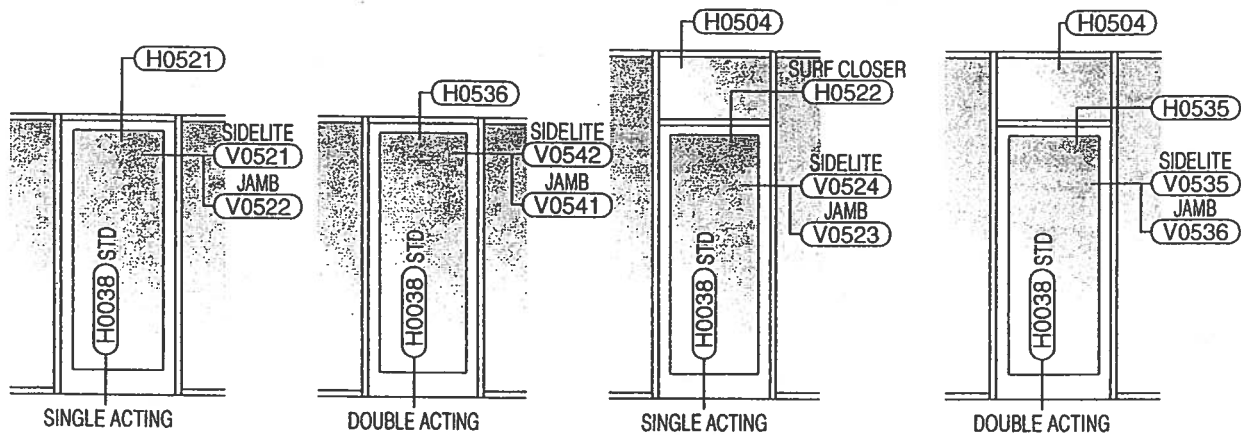
V0508 ADJUSTABLE VERTICAL



V0509 135° OSC

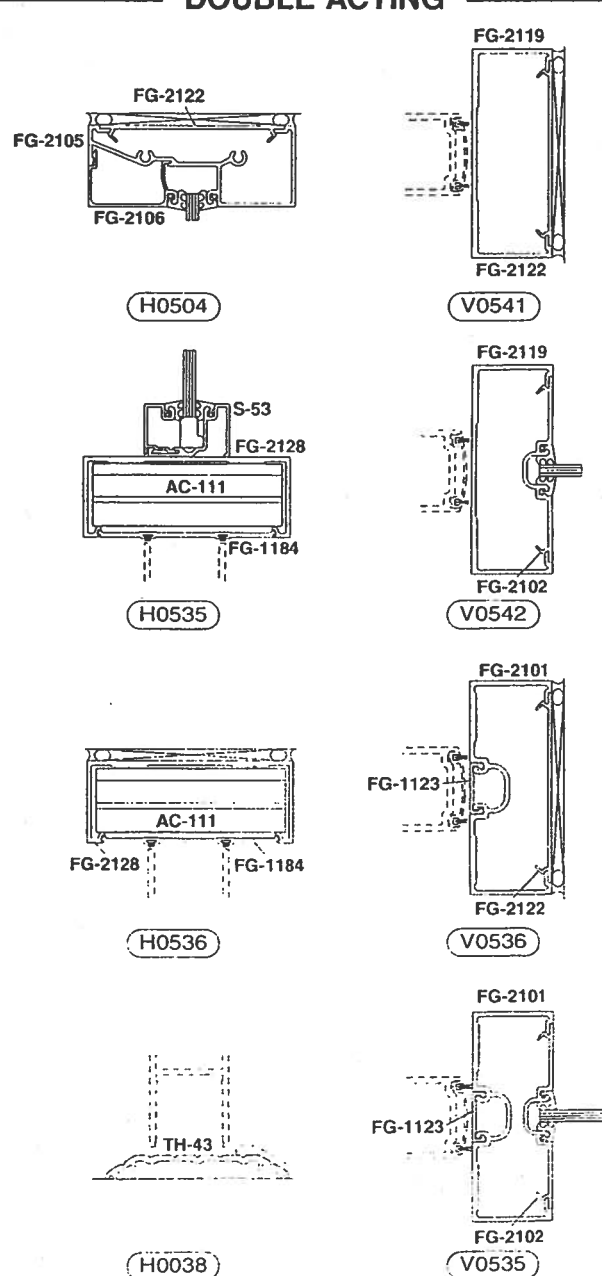
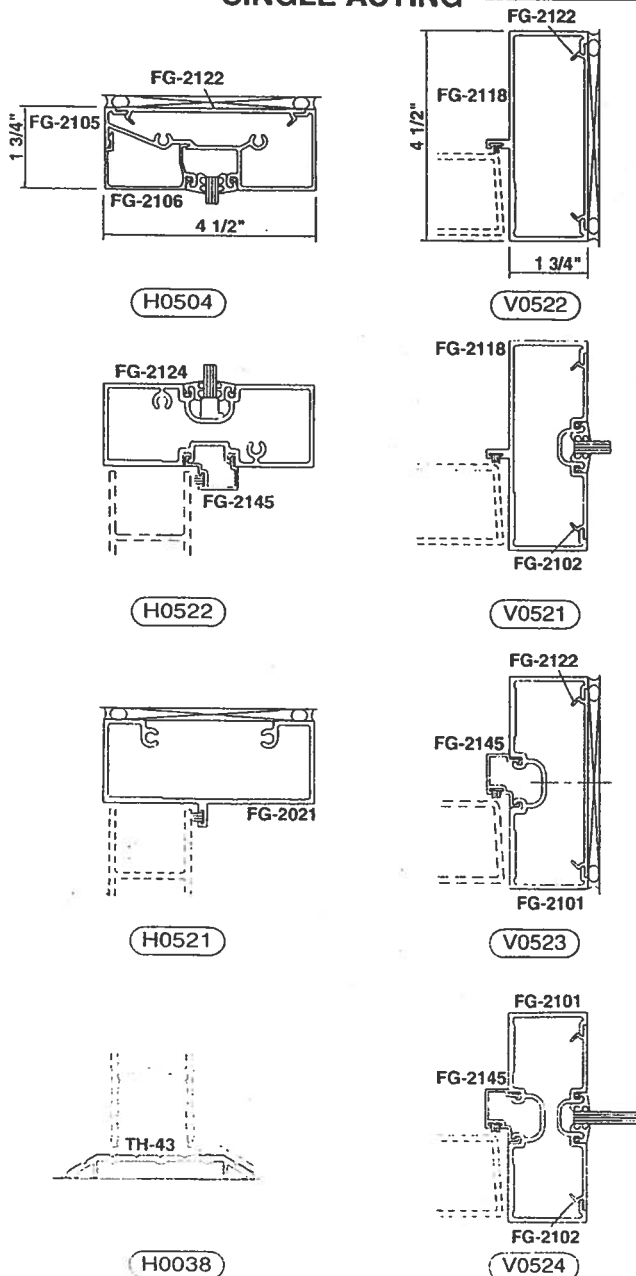
FG-2000 STOREFRONT SYSTEM - ENTRANCE FRAMING

Detail Scale = 1/4 Size



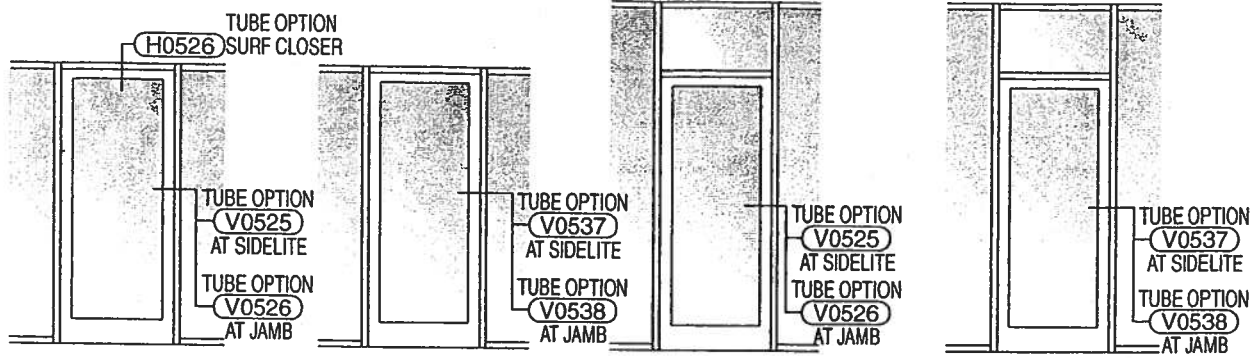
SINGLE ACTING

DOUBLE ACTING

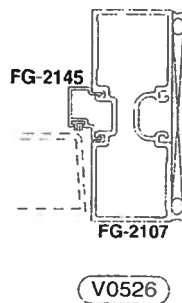
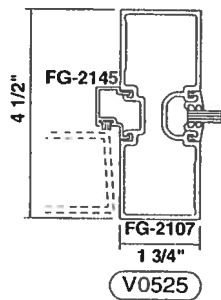
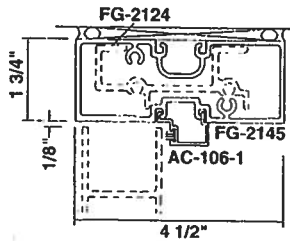


FG-2000 STOREFRONT SYSTEM

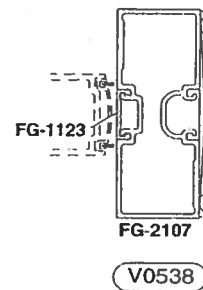
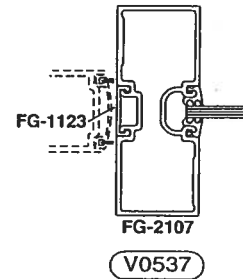
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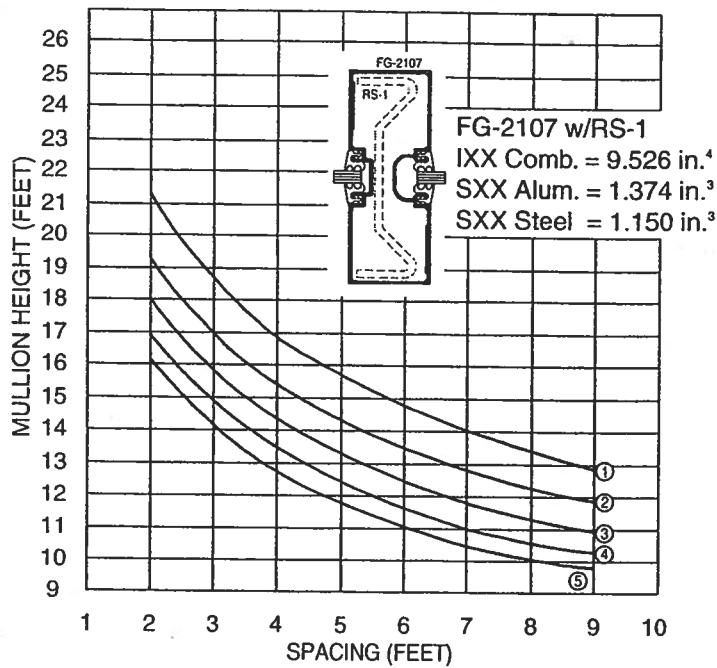
DOUBLE ACTING



WIND LOAD CHARTS

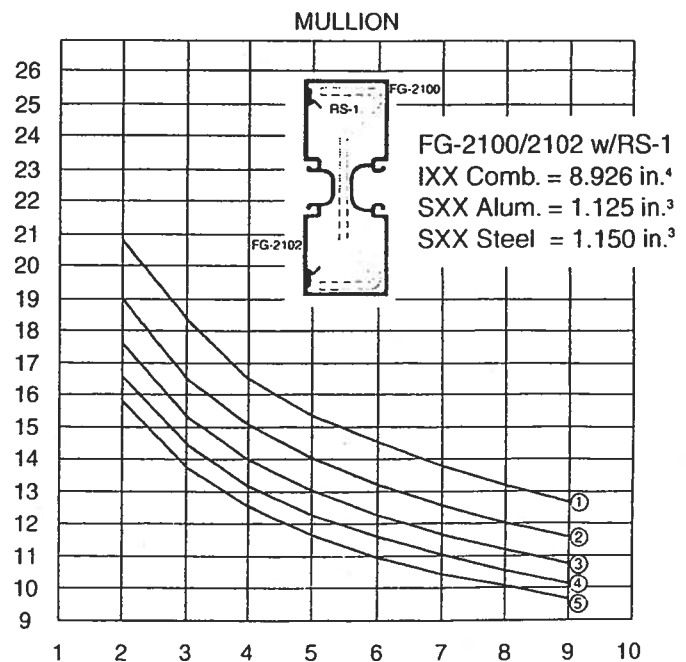
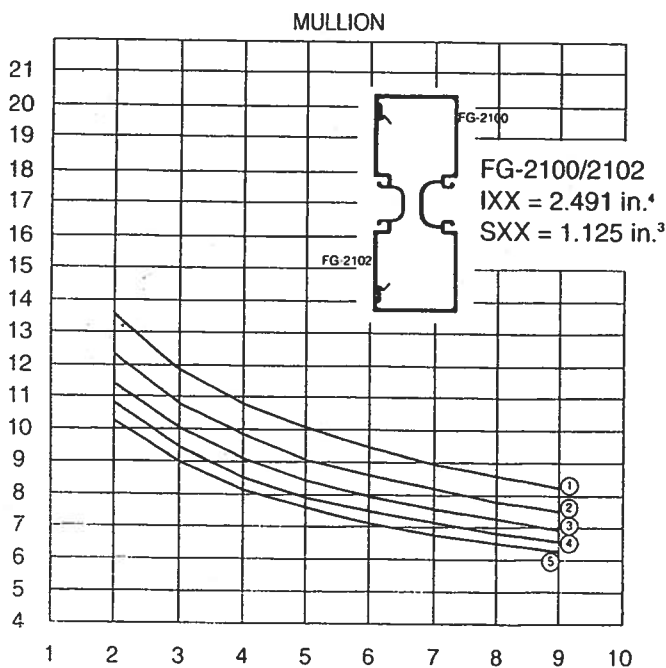
DEFLECTION LIMITED TO L/175

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.

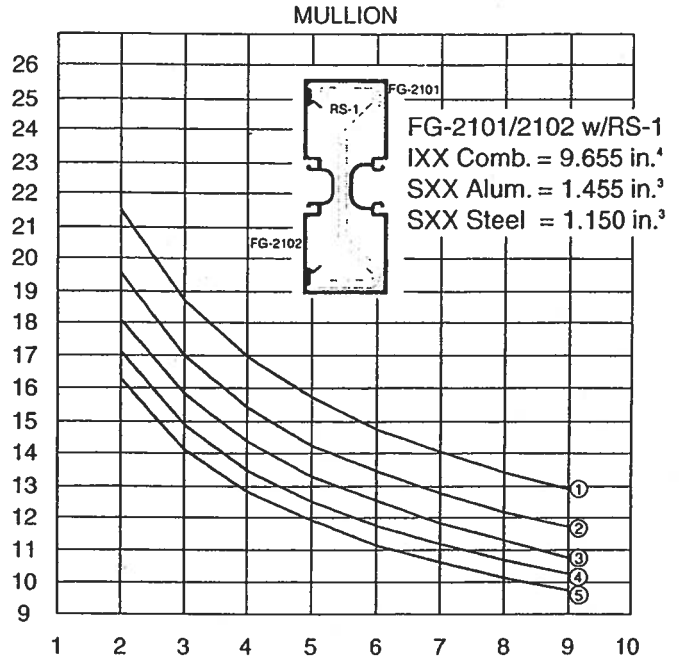
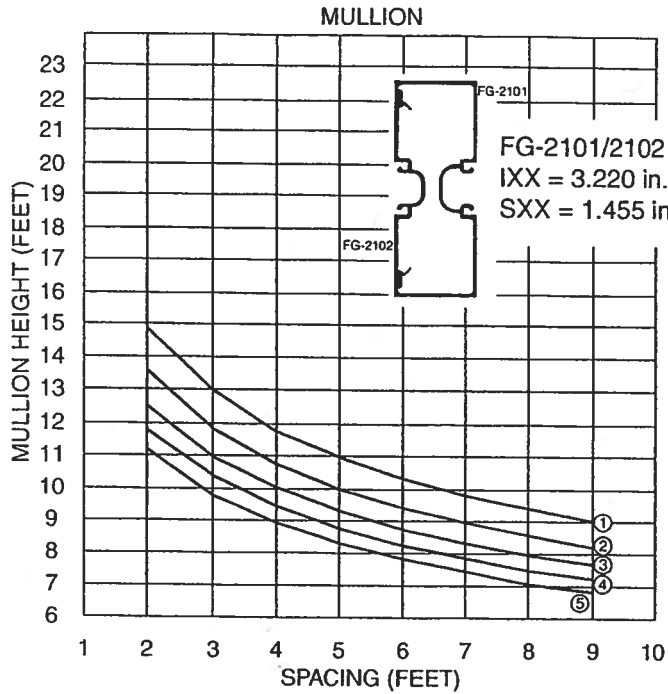


FG-2000 STOREFRONT SYSTEM

WIND LOAD CHARTS

DEFLECTION LIMITED TO L/175

6063-T5

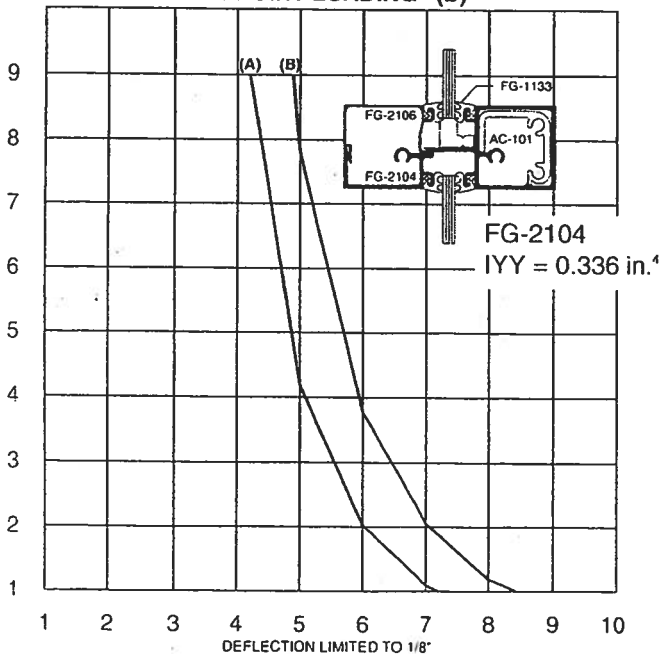


DEFINITION OF CURVES

- 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

1/4 POINT LOADING (A)
1/8 POINT LOADING (B)



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

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

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: $70" \times 0.75 = 52 \frac{1}{2}"$. 58" IS GREATER THAN $52 \frac{1}{2}"$, THEREFORE ONE (1) EACH ADDITIONAL FASTENER IS REQUIRED AT MIDPOINT OF HEAD AND SILL.

NOTE 2:

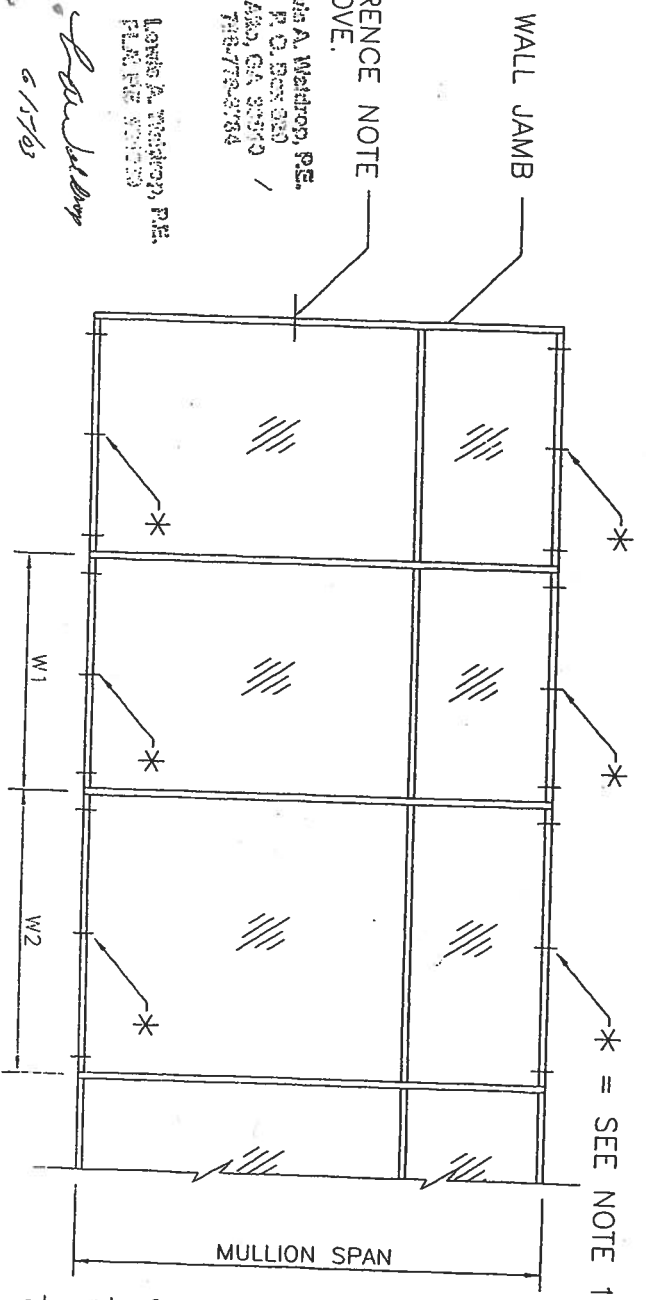
JAMB MULLIONS EXCEEDING 6 FT. IN HEIGHT REQUIRE ONE (1) EACH FASTENER AT MIDPOINT.

* = SEE NOTE 1 ABOVE

REFERENCE NOTE 2 ABOVE.

Louis A. Waltrip, P.E.
P.O. BOX 350
ALBUQUERQUE, NM 87103
760-779-8764

Louis A. Waltrip, P.E.
P.L.L.C.
6/1/83



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

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

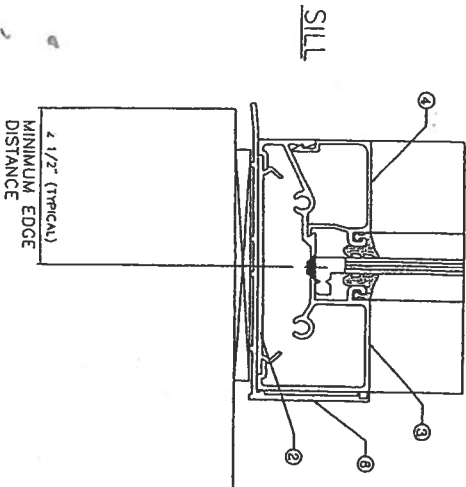
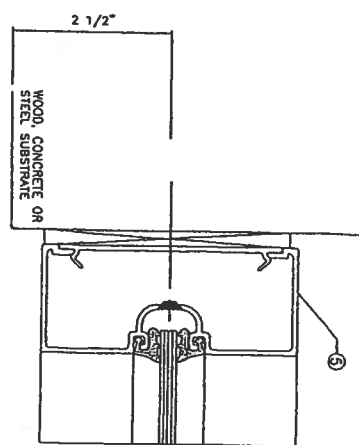
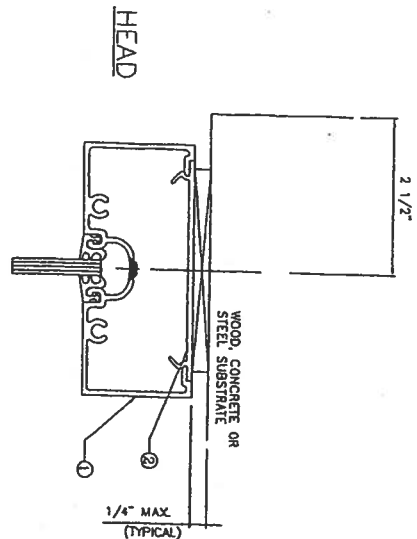
FOR EXAMPLE:

W1 = 4'-0"

W2 = 5'-0"

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

TRIBUTARY WIDTH = 4'-6"



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

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

NOTE: POSITION A SNAP-IN FLAT FILLER NO LESS THAN 1/8" IN LENGTH AT FASTENER LOCATIONS.

Lewis A. McIntosh, P.E.
P.O. Box 619
Alto, GA 30610
770-779-5794

Lewis A. McIntosh
6/1/01

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-3122
3	SILL	FG-1105	FG-2105	FG-3105
4	GLASS STOP	FG-1106	FG-2106	FG-3106
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

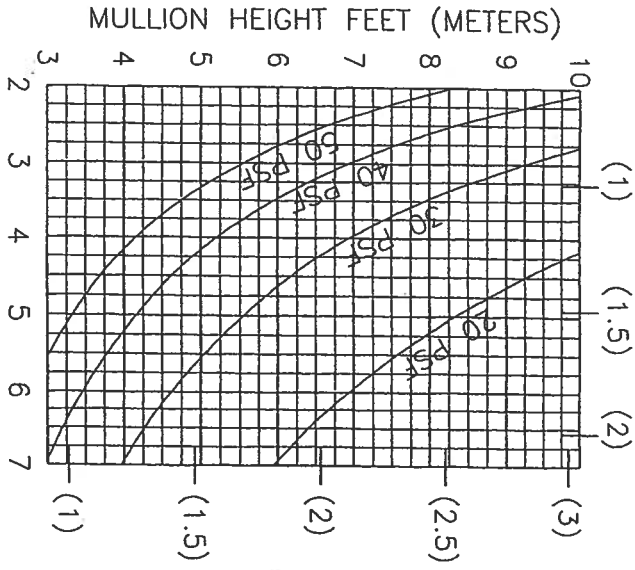
FG-1000, FG-2000 & FG-3000
FASTENER CHART

VISTAWALL
ARCHITECTURAL PRODUCTS
214 WALT SANDERS MEMORIAL BLVD NEWNAN, GA 31768 (770) 252-3545

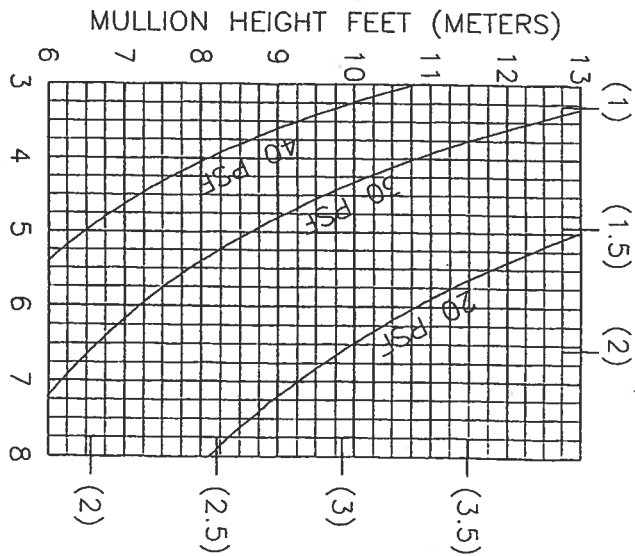
THE VISTAWALL GROUP
BUILT FOR THE FUTURE

MANUAL COMP

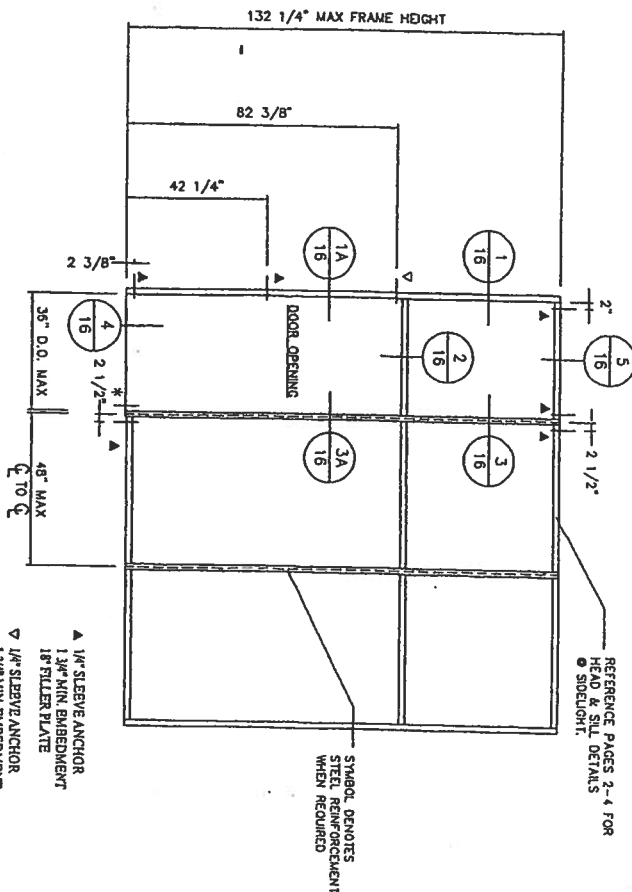
ANCHOR CHART



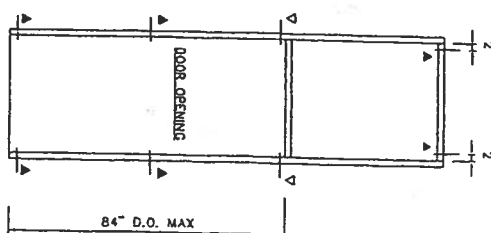
ANCHOR CHART



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



- ▲ 1/4\"/>



FRAMES WITHOUT THRESHOLD
NON-STRUCTURAL FASTENERS MAY BE REQUIRED FOR ATTACHING THE THRESHOLD IN THE OPENING

2500 OR 3000 PSI CONCRETE SUBSTRATE

ANCHOR SIZE AND TYPE 1

ANCHOR SIZE AND TYPE 1						
WIND LOAD	JAMB ADJACENT TO SIDE LIGHT 1		JAMB ADJACENT TO STRUCTURE			
	HEAD	SILL	HEAD	TRANSOM 2	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
	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

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

- ANCHOR LOCATION AND DIMENSION SHOWN ON ELEVATION ARE FOR MAXIMUM NUMBER OF ANCHORS FOR WIND LOADS REQUIRING LESS THAN MAXIMUM NUMBER OF ANCHORS. DELETE THE ONES ON THE OUTSIDE OF THE GROUP.
- SIDE LIGHT UP TO AND INCLUDING 48\"/>

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

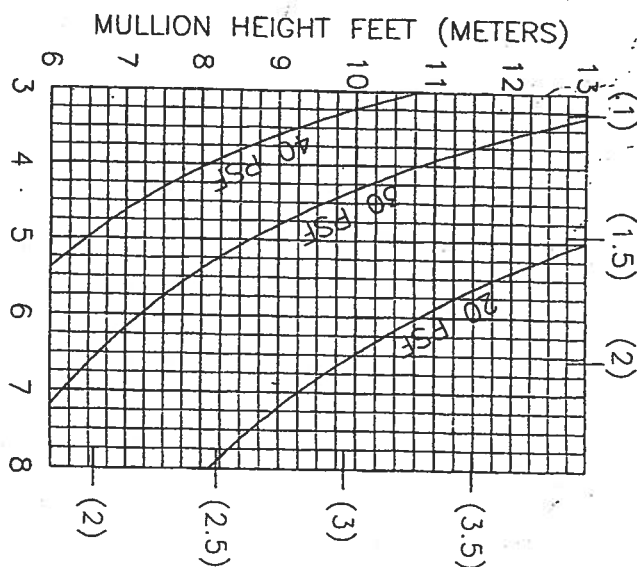
10/10/00
10/10/00
10/10/00

4/11/03

TH-58 THRESHOLD MUST BE USED ON DOOR FRAME FOR WIND LOADS EXCEEDING 40 PSF. TWO (2) EACH SPINE JOINTERY SCREWS ARE USED TO ATTACH THRESHOLD TO EACH JAMB

TH-43 THRESHOLD WITH TH-43-3 CUR MAY BE SUBSTITUTED FOR TH-58 THRESHOLD WHEN WIND LOADS DO NOT EXCEED 40 PSF

ANCHOR CHART



Lewis A. Weidman, P.E.
P.O. Box 900
Alto, GA 30510
706-778-3784

Lewis A. Weidman, P.E.
FLA. P.E. #27959

Paul J. Kelly
6/1/05

TRIBUTARY WIDTH IN FEET (METERS)
STEEL SUBSTRATE
ONE (1) 1/4" DIAM. TEK EACH
SIDE OF MULL
STEEL : F_y = 36 KSI MIN.
MINIMUM EDGE DISTANCE EQUALS
1.5 X BOLT DIAMETER.

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

VISTAWALL
ARCHITECTURAL PRODUCTS
714 WALL SANDERS MEMORIAL BLVD. NEWMAN, GA. 30564 (770) 252-3090

MAINT. CONT.

PROJECT NO.
DATE
DRAWN BY
CHECKED BY
SCALE
SHEET 4 OF 1



**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:

S&S FOOD STORES
134 SE COLBURN AVENUE
LAKE CITY, FL 32025

PERMIT NUMBER: ERP04-0567

DATE ISSUED: 01/05/2005

DATE EXPIRES: 01/05/2008

COUNTY: COLUMBIA

TRS: S17/T4S/R17E

PROJECT: S&S FOOD STORE #28

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

LESTER SCAFF

S&S FOOD STORES

134 SE COLBURN AVENUE

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 0.99 acres of impervious surface on a total project area of 3.13 acres in a manner consistent with the application package submitted by Bailey, Bishop and Lane, Inc., certified on December 21, 2004.

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.

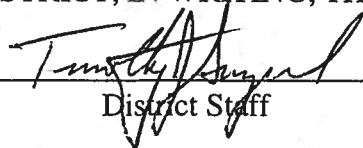
29. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements 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.

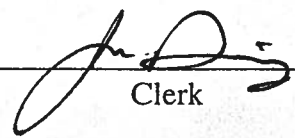
WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT, THE PERMITTEE SHALL NOTIFY THE DISTRICT, IN WRITING, THAT THE FACILITIES ARE COMPLETE.

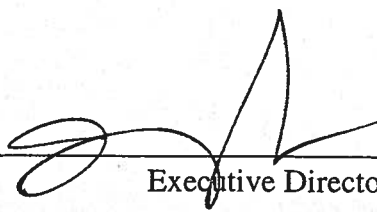
Approved by


District Staff

Date Approved

1/4/05


Clerk


Executive Director



**SUWANNEE
RIVER
WATER
MANAGEMENT
DISTRICT**

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

Dear Permittee:

Enclosed is your approved Environmental Resource Permit. Based on the activity described in your application, Suwannee River Water Management District (District) staff has reasonable assurance that the proposed construction meets conditions for issuance, provided you follow the permit conditions and your stated activity.

Be aware of the location of underground utilities before starting excavation.

If you wish, we will visit with you on site to discuss the terms of the permit, review existing pre-construction conditions, and answer any questions you may have prior to beginning work. If you would like to schedule a pre-construction meeting, please contact Resource Management staff at 386.362.1001 or 800.226.1066.

Sincerely,

Resource Management Staff



SECTION A

SURFACEWATER MANAGEMENT SYSTEM INFORMATION, NOTICE OF COMPLETION OF CONSTRUCTION, AND REQUEST FOR TRANSFER TO OPERATION AND MAINTENANCE (TO BE COMPLETED BY PERMITTEE)

PROJECT NAME: _____ **COUNTY:** _____

I hereby notify the District as required by sections 40B-4.1130 and 40B-4.1140, Florida Administrative Code, that construction of the surfacewater management system authorized by permit number _____ issued _____, is complete; and request that the permit be transferred to the approved operation and maintenance entity. I further confirm that the approved operation and maintenance entity indicated in Section B has been furnished instructions attached to Section C as to how the system is to be operated and maintained.

Signature of Permittee

Name (Please print or type)

Date of Notice

Company Name

Mailing Address

City, State, Zip Code

Phone Number

**SUWANNEE RIVER WATER MANAGEMENT DISTRICT
CONSTRUCTION COMMENCEMENT NOTICE**

Suwannee River Water Management district
Department of Resource Management
9225 County Road 49
Live Oak, FL 32060

PROJECT: _____ PHASE: _____

I hereby notify the Suwannee River Water Management District that the construction of the surface water management system authorized by Environmental Resource Permit No. _____ has commenced/is expected to commence on _____, 20____, and will require a duration of approximately _____ months/ _____ weeks/ _____ days to complete. It is understood that should the construction term extend beyond one calendar year from the date of permit issuance, I am obligated to submit the Annual Status Report for Surface Water Management System Construction form number 40B-1.901(20).

Note: If the actual construction commencement date is not known, the District should be so notified in writing in order to satisfy permit conditions.

Type or Print Permittee's or Authorized Agent's Name

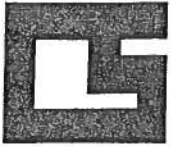
Phone

Address

Permittee's or Authorized
Agent's Signature

Title and Company

Date



CRAIG SALLEY AND ASSOCIATES
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS

3911 NEWBERRY ROAD, SUITE D • GAINESVILLE, FLORIDA 32607 • AAA0002479 • (352) 372-8424 • FAX (352) 377-4945

April 4, 2006

FAX

John O'Neal
O'Neal Roofing
212 S.E. Hickory Drive
Lake City, Florida 32025

COPY

RE: S & S Food Store #28
Lake City, Florida
Architect's Project No. 0335
Permit Application Number: 0603-89

Dear John,

This letter is in response to the Columbia County Building Department comments which we received on March 31, 2006.

<u>ITEM/SHEET</u>	<u>COMMENT</u>
-------------------	----------------

- | | |
|----|--|
| 1. | The plans submitted with application 0603-89, in which the structural designs done by Craig Salley & Associates require additional information. Please have CS&A include the following information per section Chapter 16 structural designs of the Florida Building Code 2004 addition. |
|----|--|

Basic wind speed (MPH)

Wind importance factor (I) and building category

Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated.

The applicable internal pressure coefficient

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.

RESPONSE: Have complied. Refer to Addendum No. 1, which is attached to this response letter.

- | | |
|----|--|
| 2. | For the canopy area also include the above structural requirements along with structural plans and the attachment method of the canopy to the structure as shown within the application. |
|----|--|

RESPONSE: O'Neal Construction will submit this information from his Subcontractor.

<u>ITEM/SHEET</u>	<u>COMMENT</u>
-------------------	----------------

- | | |
|----|---|
| 3. | Provide product approval specification for materials which are either attached to or become part of the exterior shear walls (storefront system) or roofing systems as required by Florida Statue 553.842 and Florida Administrative Code 9B-72 (see attached forms). |
|----|---|

RESPONSE: O'Neal Construction will submit this information from each appropriate Subcontractor.

- | | |
|----|--|
| 4. | The Florida Building Code 2004 section 106.3.5 minimum plan review criterion for commercial buildings requires a soil condition/analysis be performed. 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 core of the building foundation) borings shall be made a depth of not less than 10 feet (3948 mm) below the level of the foundations to provide assurance of the soundness of the foundation bed and its load bearing capacity. Also, have CS&A includes the required soil bearing capacity which will be need to support the structure's foundation. |
|----|--|

RESPONSE: Have complied. Refer to Addendum No. 1 for assumed allowable soil pressure. O'Neal Construction will submit the Soils Report.

- | | |
|----|---|
| 5. | On the elevation drawings include the total height of the building from the established finished grade to the roof's ridge. |
|----|---|

RESPONSE Have complied. Refer to Addendum No. 1, which is attached to this response letter.

- | | |
|----|--|
| 6. | Please have CS&A supply the following information: Show all required connectors with uplift rating for the truss system and required number and size of fasteners for continuous tie from the roof to foundation. These connection points shall be designed by an Architect or Engineer using the engineered roof truss plans. |
|----|--|

RESPONSE: Have complied. Refer to Addendum No.1, which is attached to this response letter. We are clarifying the type of connectors to be used at all conditions of truss bearing to the wall. O'Neal Construction will submit signed and sealed pre-engineered wood truss shop drawing during construction.

Page 3 - Response Letter
S & S Food Store #28
41/441 South
Lake City, Florida
Architect's Project No. 0335
April 4, 2006

<u>ITEM/SHEET</u>	<u>COMMENT</u>
-------------------	----------------

- | | |
|----|---|
| 7. | Indication on the plans the method which will be used to comply with section 1816 of the Florida Building Code: Termite protection. |
|----|---|

RESPONSE: Have complied. Refer to Addendum No. 1, which is attached to this response letter.

- | | |
|----|---|
| 8. | Chapter 13 energy efficient code of building construction Subchapter 13-400 of the Florida Building Code provides three methods by which commercial buildings may be brought into compliance with this code. Please submit the required information on one of the following forms for commercial code compliance using Form 400A-04, Form 400B-04 and Form 400C-04. |
|----|---|

RESPONSE: O'Neal Construction will submit this from the MEP Consultant.

- | | |
|----|---|
| 9. | On the electrical lighting plan show the location of the existing sign lighting along with the emergency backup lighting devices. |
|----|---|

RESPONSE: O'Neal Construction will submit this from the MEP Consultant.

- | | |
|-----|---|
| 10. | Show the method of compliance for sections 717.4.3 of the Florida Building Code 2004. Draftstopping shall be installed in attics and concealed roof spaces, such that any horizontal area does not exceed 3,000 square feet (279m ²). Also show the method to be used for materials which may penetrate through the draftstopping area. |
|-----|---|

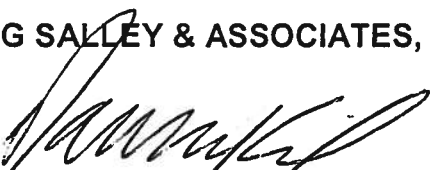
RESPONSE: Have complied. Refer to Addendum No. 1, which is attached to this response letter.

If you would like to discuss any of the responses to these comments, then please let us know.

Submitted by,

CRAIG SALLEY & ASSOCIATES, ARCHITECTS

By:


Danny Kail, R.A.
Project Architect

cc: Dick Coburn, P.E. – C&A (fax)

Attachment



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 32256

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 282-4046 • Fax (904) 282-4047

March 1, 2006

COPY

O'Neal Contracting
P.O. Box 3505
Lake City, Florida 32056

Reference: S & S Food Store
Lake City, Florida
Cal-Tech Project No. 06-076

Dear Mr. O'Neal,

Cal-Tech Testing, Inc. has completed a subsurface investigation and engineering evaluation of the site for a proposed S & S Food Store in Lake City, Florida. Our work was authorized by you.

Introduction

We understand you will construct a single-story, concrete block structure, with a total plan area of about 4,500 square feet. Support for the structure will be provided by conventional, shallow spread footings. Detailed foundation loads have not been provided; however, we assume column and wall loads will not exceed 20 kips and 2.0 kips per foot, respectively.

The purposes of our investigation were to determine the general subsurface conditions at the site, and to present recommendations for foundation design and construction.

Site Investigation

The subsurface conditions were investigated by performing four (4) Standard Penetration Test borings advanced to a depth of 10 feet. The borings were performed at the approximate location indicated on the attached Boring Log and Location Plan. These locations were selected by you and staked on site.

The Standard Penetration Test (ASTM D-1586) is performed by driving a standard split-barrel sampler into the soil by blows of a 140-pound hammer falling 30 inches. The number of blows required to drive the sampler 1 foot, after seating 6 inches, is designated the penetration resistance, or N-value; this value is an index to soil density or consistency.

Findings

The soil borings generally encountered three soil strata. The first layer consists of 1.5 to 4.5 feet of loose tannish grey sand with silt (SP-SM) and sand (SP). The N-values of this layer ranged from 5 to 8 blows per foot.

The second layer consists of 1.5 to at least 10 feet of loose to dense generally grey, red and orange sandy clay (SC). The N-values of this layer ranged from 4 to 35 blows per foot.

The third layer, which was only encountered in Boring B-3 at a depth of 4.5 to at least 10 feet, consists generally of soft to very stiff greenish grey and orange sandy clay (CH and CL). The N-values of this layer ranged from 3 to 18 blows per foot.

Groundwater was encountered at a depth of 1.0 to 6.5 feet at the time of our investigation.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs. Note specifically the transition between soil layers may be gradual and not abrupt as indicated by the logs; therefore, the thickness of soil layers should be considered approximate.

Discussion and Recommendations

Based upon our examination of soil samples from the borings, we believe the clayey soils encountered in Boring B-3 from a depth of 4.5 feet are active, implying they shrink or swell with changes in their moisture content. The structure supported on conventional, shallow spread footings could experience detrimental foundation movements following construction. These foundations may be lifted or subside with normal seasonal changes in soil moisture.

The local standard-of-care for using conventional foundations over active clay soils is to excavate and replace the active soils to depths of about 4 to 5 feet below the bottom of the foundations. Therefore, we recommend that the clayey soils at the south corner of the building (Boring B-3) be overexcavated to a depth of 6.5 feet below final site grades and backfilled with compacted structural fill. We further recommend that once the structure is completed, storm water is directed away from the foundation areas. Simple modifications typically include storm gutters and down spouts to collect and divert storm water away from foundation areas and/or contouring the ground surface to promote surface runoff.

Once the undercutting has been performed we believe the site soils are suitable to provide support for the proposed store by using conventional, shallow spread footings. We recommend foundations be sized to exert a maximum soil bearing pressure of 2,500 pounds per square foot. We also recommend foundations have minimum widths of 18 and 24 inches for strip and isolated footings, respectively, even though the allowable soil bearing pressure may not be developed. The bottoms of foundations should be embedded a minimum of 16 inches below the lowest adjacent grade (finished surface grade, for example).

Groundwater at the site appears to be variable and ranges from 1.0 to 6.5 feet below present site grades. Therefore, we believe that encroachment upon groundwater during undercutting will probably occur and control will be required. One method of control would be to excavate sumps adjacent to the undercut area, where groundwater can be collected and pumped off site.

The site should first be stripped of topsoil, grass, roots, stumps and other deleterious materials that may be present. Next, the clayey soils at the south corner of the building should be overexcavated to a depth of 6.5 feet below final site grades. The excavation should extend to a distance of at least five feet beyond the building perimeter. We further recommend that a member of our engineering staff be present during the overexcavation to help determine the lateral extent of the clay soils, as they were not encountered in the other three soil borings. Our engineer should also observe proofrolling of the remainder of the site to help delineate any areas of soft or loose soils. Proofrolling should be performed using heavy rubber-tired equipment such as a front end loader or loaded dump truck.

Backfill and fill to raise the site may then be placed. Fill should consist of relatively clean, fine sand containing less than 10% passing the No. 200 sieve. Fill should be placed in maximum 12-inch, loose lifts, and each lift should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density. Foundation cuts may be placed in compacted fill, but disturbed fill should be recompacted prior to placement of the foundations or floor slabs.

Field density testing should be performed in the compacted subgrade, in each lift of fill, and in foundation excavations to verify the recommended compaction has been achieved.

Our recommendations are based upon our findings as described in this report; however, subsurface conditions may exist that were not encountered in the soil test borings. Cal-Tech Testing, Inc. should be notified immediately if different soil conditions are encountered during construction. It may be necessary to reevaluate this site and revise our recommendations.

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



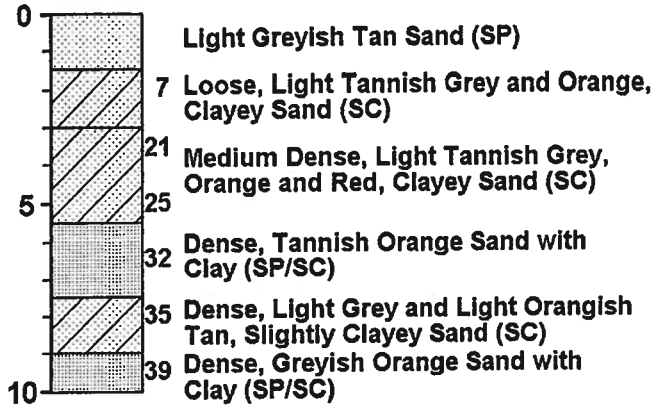
Robert W. Clark, P.E.
Geotechnical Engineer

B-1

Water Table: 1.0 ft.

Soil

Depth (ft) N-value Description

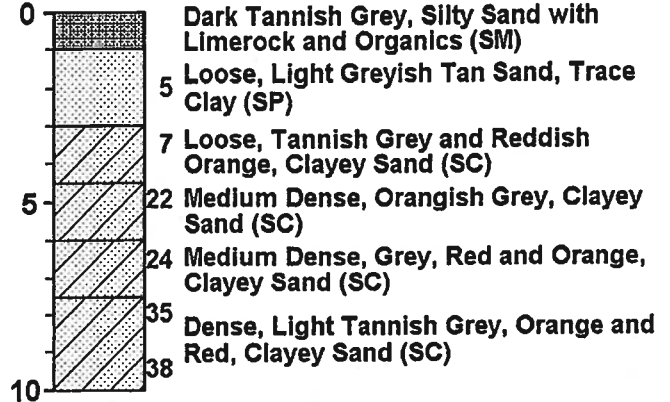


B-2

Water Table: 6.5 ft.

Soil

Depth (ft) N-value Description

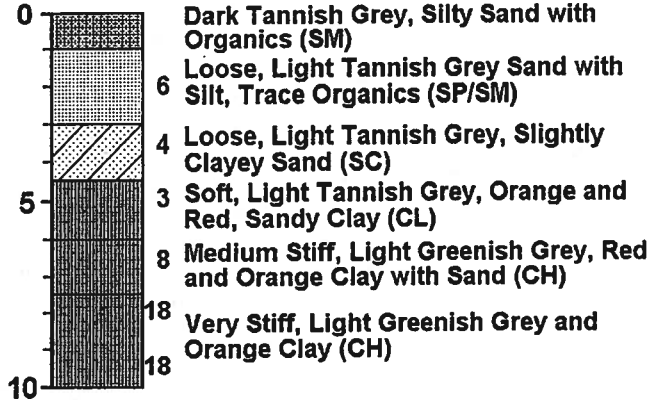


B-3

Water Table: 3.0 ft.

Soil

Depth (ft) N-value Description

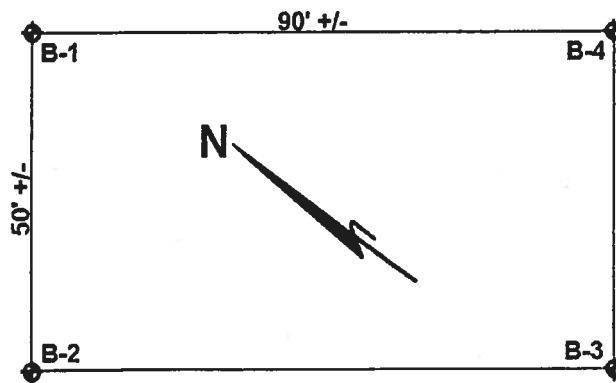
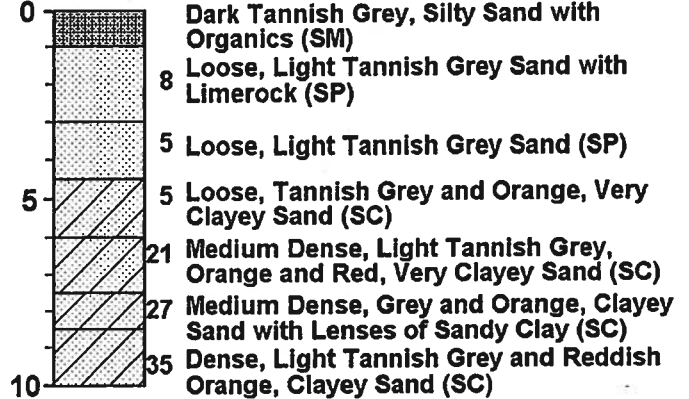


B-4

Water Table: 4.0 ft.

Soil

Depth (ft) N-value Description



**Boring Logs: Proposed S&S Food Store
Lake City, Florida**

April 4, 2006

**ADDENDUM NO. 1
TO THE DRAWINGS AND PROJECT MANUAL
FOR**

**S & S FOOD STORE #28
41/441 SOUTH
LAKE CITY, FLORIDA
PERMIT APPLICATION NUMBER: 0603-89**

ARCHITECT'S PROJECT NO. 0335

CRAIG SALLEY & ASSOCIATES, ARCHITECTS, GAINESVILLE, FLORIDA

FAX
Craig Salley
4/4/06

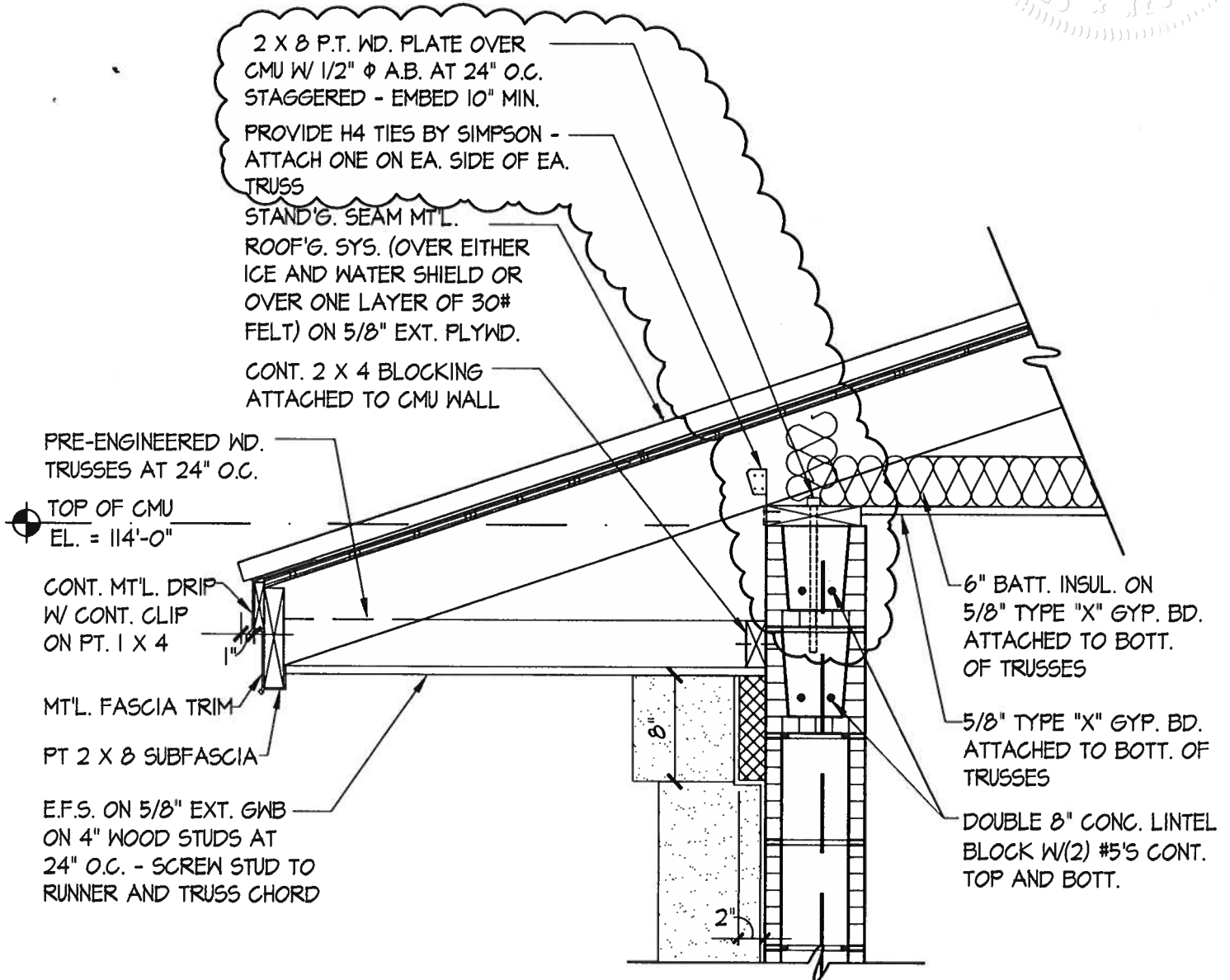
This Addendum shall be considered part of the Contract Documents for the above mentioned Project as though it has been issued at the same time and incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents, this Addendum shall govern and take precedence. **Bidders are hereby notified that they shall acknowledge receipt of this Addendum on their Bid Proposal Form.**

1. **DRAWINGS, SHEET G-1 - PROJECT COVER SHEET:** The following Structural Design Criteria shall be added:
 1. Basic Wind Speed = 100 MPH
 2. Wind Importance Factor = 1.15
 3. Wind Exposure Category = B
 4. Applicable Internal Pressure Coefficient = $\pm .55$
 5. Designed Wind Pressure = 34 PSF
 6. Components and Cladding PSF = 1606.2A, 1606.2B and 1606.2C
 7. Assumed Allowable Soil Pressure = 2,000 PSF
2. **DRAWINGS, SHEET A-4 - EXTERIOR ELEVATIONS AND PARTIAL BUILDING SECTION:** The total height of the building from the floor slab to the roof's ridge is 22' – 6".
3. **DRAWINGS, SHEET A-5 - BUILDING SECTION AND DETAILS:** Refer to Attachments "A" and "B" for revised Detail A/A-5 and B/A-5.
4. **DRAWINGS, SHEET A-6 – ROOF PLAN, ROOF FRAMING PLAN AND DETAILS:** Refer to Roof Framing Plan. Refer to Attachment "C" for Draftstopping. The ductwork is scheduled to be installed below the wood trusses and above the suspended ceiling and we do not foresee any penetrations through the draftstopping. The Contractor shall notify this office of any penetrations and supplemental Details will be issued as necessary.
5. **DRAWINGS, SHEET SP- 1 - ARCHITECTURAL SPECIFICATIONS:** For clarification, the Soil Treatment Method, as outlined in Section 1816 of the Florida Building Code, shall be used for termite protection.

END OF WRITTEN ADDENDUM

ADDENDUM NO. 1
S & S FOOD STORE NO. 28
LAKE CITY, FLORIDA
ARCHITECT'S PROJECT NO. 0335
ATTACHMENT "A"

Craig Selley
4/4/06



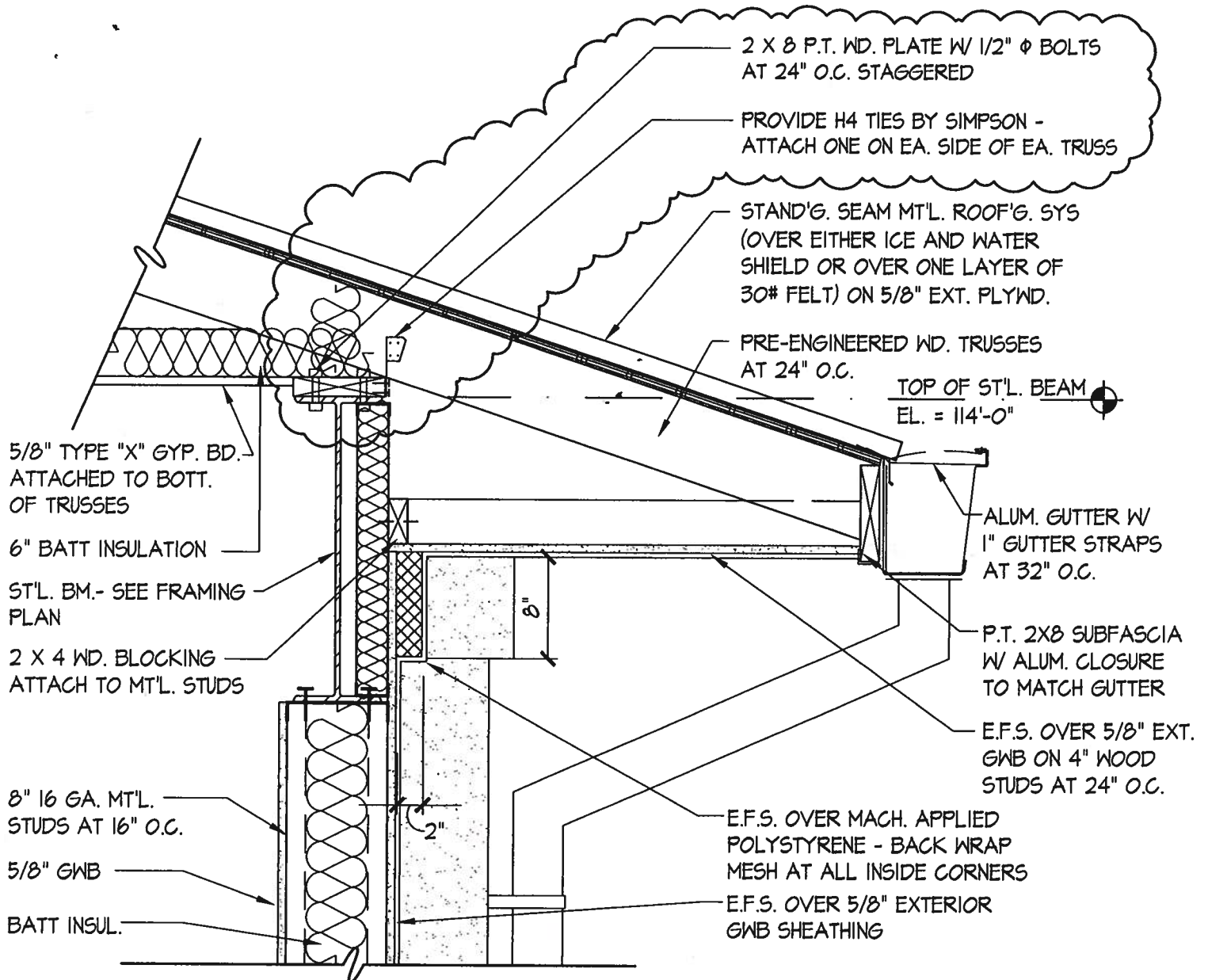
TRUSS BR'G. DETAIL

1" = 1'-0"

A
AD1

ADDENDUM NO. 1
S & S FOOD STORE NO. 28
41/411 SOUTH
LAKE CITY, FLORIDA
ARCHITECT'S PROJECT NO. 0335
ATTACHMENT "B"

Craig Selley
4/14/06



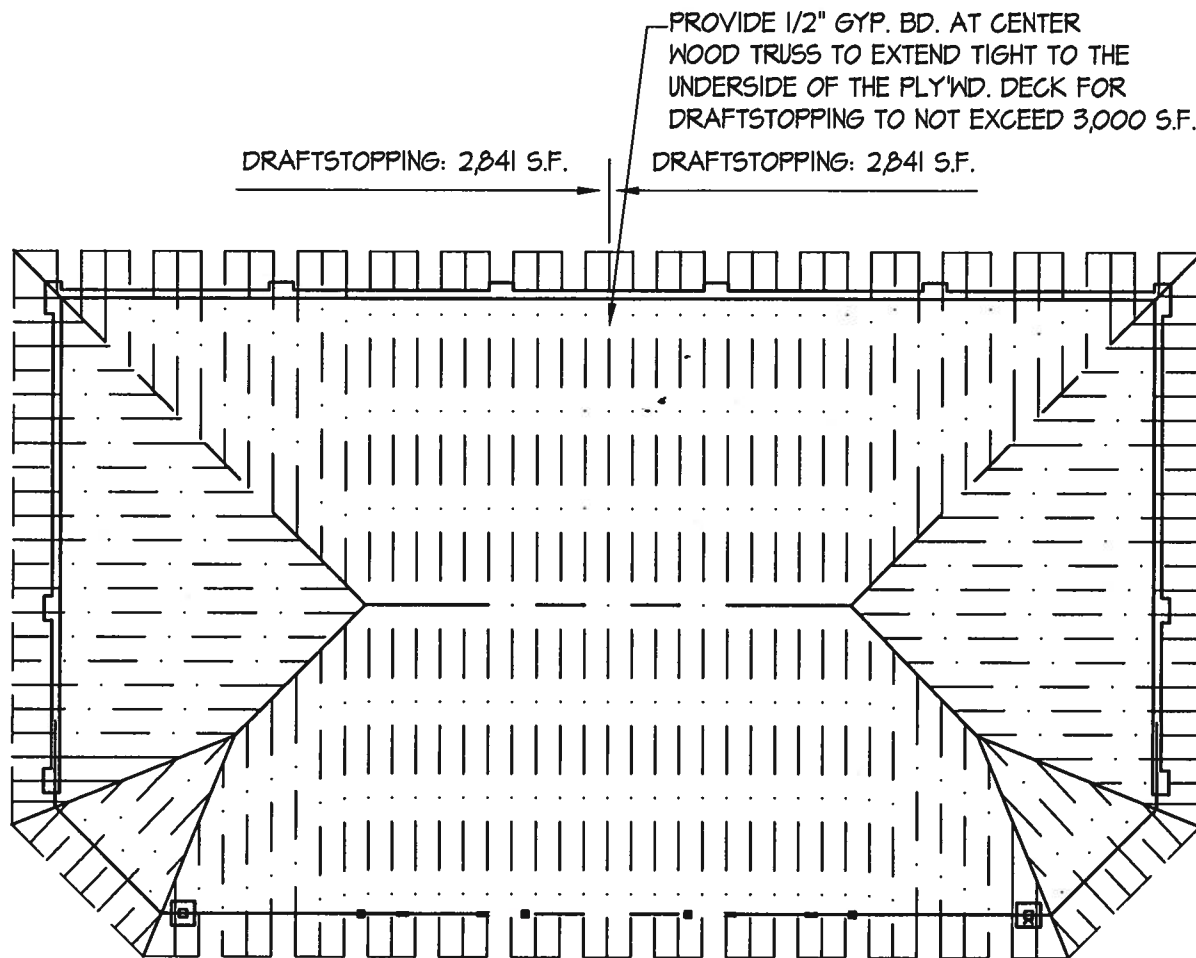
TRUSS BR'G. DETAIL

1" = 1'-0"



ADDENDUM NO. 1
S & S FOOD STORE NO. 28
LAKE CITY, FLORIDA
ARCHITECT'S PROJECT NO. 0335
ATTACHMENT "C"

Craig Selley
4/4/06



ROOF FRAMING PLAN

1/16" = 1'-0"

Florida Energy Efficiency Code For Building Construction
Florida Department of Community Affairs

EnergyGauge FlaCom v 2.11 FORM 400A-2004
Whole Building Performance Method for Commercial Buildings

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

Short Desc: S&S FOOD STORE

Project: S&S FOOD STORE # 28

Owner: Enter Owner's name here

Address: 41/441

Enter Address here

City: LAKE CITY

State: FL.

Zip: 0

PermitNo: 0

Storeys: 1

Type: Retail

Class: New Finished building

***Conditioned Area:** 3811

***Cond + UnCond Area:** 3811

* denotes lighted
area. Does not include
wall crosection areas

Max Tonnage: 15.2 (if different, write in)

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Use	6,983.02	7,000.11	PASSES
LIGHTING CONTROLS			PASSES
EXTERNAL LIGHTING			PASSES
HVAC SYSTEM			PASSES
PLANT			None Entered
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 Com of this design building must be submitted along with this Compliance Report.

COMPLIANCE CERTIFICATION:

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Efficiency Code.

PREPARED BY: COBURN & ASSOCIATE

DATE: 4/10/04

I hereby certify that this building is in compliance with the Florida Energy Efficiency Code.

OWNER AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: _____

DATE: _____

If required by Florida law, I hereby certify (*) that the system design is in compliance with the Florida Energy Code.

**REGISTRATION
No.**

ARCHITECT :

ELECTRICAL SYSTEM DESIGNER:	COBURN & ASSOCIATES	32820
LIGHTING SYSTEM DESIGNER:	COBURN & ASSOCIATES	32820
MECHANICAL SYSTEM DESIGNER:	COBURN & ASSOCIATES	32820
PLUMBING SYSTEM DESIGNER:	COBURN & ASSOCIATES	32820

(*) Signature is required where Florida Law requires design to be performed by registered design professionals.

Typed names and registration numbers may be used where all relevant information is contained on signed/sealed plans.

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail
(WEA File: JACKSONVILLE.TMY)

Whole Building Compliance

	Design	Reference
Total	99.18	100.00
	\$6,983.02	\$7,000.11
ELECTRICITY(MBtu/kWh/\$)	99.18	100.00
	137,461.00	138,616.00
	\$6,983.02	\$7,000.11
AREA LIGHTS	25.16	28.63
	34,867.00	39,678.00
	\$1,771.24	\$2,003.74
MISC EQUIPMT	15.64	15.64
	21,690.00	21,690.00
	\$1,101.85	\$1,095.35
PUMPS & MISC	0.04	0.04
	49.00	53.00
	\$2.49	\$2.68
SPACE COOL	27.99	21.56
	38,803.00	29,894.00
	\$1,971.19	\$1,509.65
VENT FANS	30.34	34.12
	42,052.00	47,301.00
	\$2,136.24	\$2,388.70

Credits & Penalties (if any): Modified Points: = 99.18

PASSES

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail
(WEA File: JACKSONVILLE.TMY)

External Lighting Compliance

Description	Category	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Building Entrance with (or free standing) Canopy	3.00	1,000.0	3,000	2,925

Design: 2925 (W)
Allowance: 3000 (W)

PASSES

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail
(WEA File: JACKSONVILLE.TMY)

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	No. of Tasks	Design CP	Min CP	Compliance
SALES AREA	,001	General Sales Area	3,126	1	2	2	PASSES
WOMENS RR	6	Toilet and Washroom	140	1	1	1	PASSES
MENS RR	6	Toilet and Washroom	132	1	1	1	PASSES
CORRIDOR 102	5	Corridor	61	1	1	1	PASSES
MECHANICAL	1	Electrical Mechanical Equipment Room - General	126	1	1	1	PASSES
STOCK RM	,001	Fine Material Storage	226	1	1	1	PASSES

PASSES

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail
(WEA File: JACKSONVILLE.TMY)

System Report Compliance

AH-1	System 3	Constant Volume Packaged System					No. of Units 1
Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System	Air Cooled 135000 to 240000 Btu/h Clg Capacity		9.90	9.70	11.00		PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.90			PASSES

PASSES

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
								None

Project: S&S FOOD STORE
 Title: S&S FOOD STORE # 28
 Type: Retail
 (WEA File: JACKSONVILLE.TMY)

Water Heater Compliance								
Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance	
Water Heater 1	Electric water heater	<= 12 [kW]	0.98	0.88			PASSES	
							PASSES	

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
Domestic and Service Hot Water Systems	0.25	False	105.00	0.28	1.50	0.50	PASSES
							PASSES

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail
(WEA File: JACKSONVILLE.TMY)

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Infiltration	406.1	Infiltration Criteria have been met	☐
System	407.1	HVAC Load sizing has been performed	☐
Ventilation	409.1	Ventilation criteria have been met	☐
ADS	410.1	Duct sizing and Design have been performed	☐
T & B	410.1	Testing and Balancing will be performed	☐
Motors	414.1	Motor efficiency criteria have been met	☐
Lighting	415.1	Lighting criteria have been met	☐
O & M	102.1	Operation/maintenance manual will be provided to owner	☐
Roof/Ceil	404.1	R-19 for Roof Deck with supply plenums beneath it	☐
Report	101	Input Report Print-Out from EnergyGauge FlaCom attached?	☐

EnergyGauge FlaCom v 2.11
INPUT DATA REPORT

Project Information

Project Name: S&S FOOD STORE	Orientation: North	
Project Title: S&S FOOD STORE # 28	Building Type: Retail	
Address: 41/441	Building Classification: New Finished building	
Enter Address here		
State: FL.	No.of Storeys: 1	
Zip: 0	GrossArea: 3811	
Owner: Enter Owner's name here		

Zones

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]
1	S&S	Zone 1	CONDITIONED	3811.0	1	3811.0

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]
----	---------	-------------	------	---------------	---------------	----------------	----------------	--------------------	----------------------

In Zone: S&S									
1	SALES AREA	Zo0Sp1	General Sales Area	1.00	3126.00	13.00	1	3126.0	40638.0 ☐
2	WOMENS R	Zo0Sp2	Toilet and Washroom	1.00	140.00	13.00	1	140.0	1820.0 ☐
3	MENS RR	Zo0Sp3	Toilet and Washroom	1.00	132.00	13.00	1	132.0	1716.0 ☐
4	CORRIDOR 1	Zo0Sp4	Corridor	1.00	61.00	13.00	1	61.0	793.0 ☐
5	MECHANIC	Zo0Sp5	Electrical Mechanical Equipment Room - General	1.00	126.00	13.00	1	126.0	1638.0 ☐
6	STOCK RM	Zo0Sp6	Fine Material Storage	1.00	226.00	13.00	1	226.0	2938.0 ☐

Lighting

No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No. of Ctrl pts
In Zone: S&S							
In Space: SALES AREA							
1	Recessed Fluorescent - No vent	General Lighting	1	5737	5737	Manual On/Off	2 ☐
In Space: WOMENS RR							
1	Recessed Fluorescent - No vent	General Lighting	1	126	126	Manual On/Off	1 ☐
In Space: MENS RR							
1	Recessed Fluorescent - No vent	General Lighting	1	118	118	Manual On/Off	1 ☐
In Space: CORRIDOR 102							
1	Recessed Fluorescent - No vent	General Lighting	1	30	30	Manual On/Off	1 ☐
In Space: MECHANICAL							
1	Recessed Fluorescent - No vent	General Lighting	1	128	128	Manual On/Off	1 ☐
In Space: STOCK RM							
1	Recessed Fluorescent - No vent	General Lighting	1	316	316	Manual On/Off	1 ☐

Walls

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.s.f.F/Btu]
In Zone: S&S											
1	Pr0Zo1Wal	5/8" stucco /8"CMU/3/4"ISO BTWN24"oc/.5" Gyp	75.50	13.00	1	981.5	East	0.2067	5.7314	34.65	4.84
2	Pr0Zo1Wa2	5/8" stucco /8"CMU/3/4"ISO BTWN24"oc/.5" Gyp	12.50	13.00	1	162.5	NorthEast	0.2067	5.7314	34.65	4.84
3	Pr0Zo1Wa3	5/8" stucco /8"CMU/3/4"ISO BTWN24"oc/.5" Gyp	12.50	13.00	1	162.5	SouthEast	0.2067	5.7314	34.65	4.84
4	Pr0Zo1Wa4	5/8" stucco /8"CMU/3/4"ISO BTWN24"oc/.5" Gyp	42.33	13.00	1	550.3	North	0.2067	5.7314	34.65	4.84
5	Pr0Zo1Wa5	5/8" stucco /8"CMU/3/4"ISO BTWN24"oc/.5" Gyp	42.33	13.00	1	550.3	South	0.2067	5.7314	34.65	4.84
6	Pr0Zo1Wa6	5/8" stucco /8"CMU/3/4"ISO BTWN24"oc/.5" Gyp	93.00	13.00	1	1209.0	West	0.2067	5.7314	34.65	4.84

Windows

No	Description	Type	Shaded	U [Btu/hr sf F]	SHG	Vis.Tr	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]
----	-------------	------	--------	-----------------	-----	--------	--------	----------------	-------------	-----------------

In Zone: S&S											
In Wall: EAST WALL											
1	Pr0Zo1Wal1	SINGLE CLEAR	Yes	1.0018	0.81	0.88	68.50	9.00	1	616.5	☐
In Wall: NORTH EAST WALL											
1	Pr0Zo1Wa2W1	SINGLE CLEAR	Yes	1.0018	0.81	0.88	12.00	9.00	1	108.0	☐
In Wall: SOUTH EAST WALL											
1	Pr0Zo1Wa3W1	SINGLE CLEAR	Yes	1.0018	0.81	0.88	12.00	9.00	1	108.0	☐

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.s.f.F/Btu]
In Zone:											
In Wall:											
☐											

Roofs

Roofs												
No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap Dens. [lb/cf]	R-Value [h.s.f.F/Btu]		
In Zone: S&S												
1	Pr0Zo1Rf1	Conc Tile/1/2"WD Deck/WD Truss/6"Batt/Gyp	1119.00	4.00	1	4476.0	0.00	0.0474	2.15	16.45	21.12	☐

Skylights

Skylights										
No	Description	Type	U [Btu/hr sf F]	SHGC	Vis.Trans	W [ft]	H (Effec) [ft]	Multiplier	Area [Sf]	Total Area [Sf]
In Zone:										
In Roof:										

Floors

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. Dens. [Btu/sf. F]	R-Value [h.s.f.F/Btu]
In Zone:	S&S								
1	Pr0Zo1F1	Concrete floor, carpet and rubber pad	1119.00	4.00	1	4476.0	0.5987	9.33	140.00
									1.67

Systems

AH-1	System 3	Constant Volume Packaged System	No. Of Units
Component	Category	Capacity	Efficiency
1	Cooling System (Air Cooled Clg Capacity)	135000 to 240000 Btu/h	9.90
2	Air Handling System -Supply (Air Handler (Supply) - Constant Volume)	6000.00	0.80

Plant

Equipment	Category	Size	Inst.No	Eff.	IPLV

Water Heaters

W-Heater Description	Capacit Cap.Unit	I/P Rt.	Efficienc	Loss
1 Electric water heater	40 [Gal]	5 [kW]	0.9800 [Ef]	[Btu/h]

Ext-Lighting

Description	Category	No. of Luminaires	Watts per Luminaire	Area/Len/No. of units [sf/ft/No]	Control Type	Wattage [W]
1 Ext Light 1	Building Entrance with (or free standing) Canopy	1	2925	1000.00	Photo Sensor control	2925.00

Piping

No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?
1	Domestic and Service Hot Water Systems	105.00	0.28	0.25	1.50	No

Fenestration Used

Name	Glass Type	No. of Panels	Glass Conductance [Btu/h.sf.F]	SHGC	VLT
ApLbWndl	SINGLE CLEAR	1	1.0018	0.8150	0.8810

Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]
187	Matl187	GYP OR PLAS BOARD, 1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000
151	Matl151	CONC HW, DRD, 140LB, 4IN	No	0.4403	0.3333	0.7570	140.00	0.2000
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300				

268	Matl268	0.625" stucco	No	0.1302	0.0521	0.4000	16.00	0.2000	☐
42	Matl42	8 in. Lightweight concrete block	No	2.0212	0.6670	0.3300	38.00	0.2000	☐
269	Matl269	.75" ISO BTWN24" oc	No	2.2321	0.0625	0.0280	4.19	0.3000	☐
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	☐
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	☐

Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.s.f.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.s.f.F/Btu]
1004	Concrete floor, carpet and rubber pad	No	No	0.60	9.33	140.00	1.6703
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	151	CONC HW, DRD, 140LB, 4IN	0.3333	0.00			☐
2	178	CARPET W/RUBBER PAD		0.00			☐
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.s.f.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.s.f.F/Btu]
1011	5/8" stucco /8"CMU/3/4"ISO BTWN24"oc/.5" Gyp	No	No	0.21	5.73	34.65	4.8368
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	268	0.625" stucco	0.0521	0.00			☐
2	42	8 in. Lightweight concrete block	0.6670	0.00			☐
3	269	.75" ISO BTWN24" oc	0.0625	0.00			☐
4	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]
1041	Conc Tile/1/2"WD Deck/WD Truss/6"Batt/Gyp	No	No	0.05	2.15	16.45	21.1151 ☐
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	185	CLAY TILE, PAVER, 3/8IN	0.0313	0.00			☐
2	244	PLYWOOD, 1/2IN	0.0417	0.00			☐
3	187	GYP OR PLAS BOARD, 1/2IN	0.0417	0.00			☐
4	23	6 in. Insulation	0.5000	0.00			☐

S/N RNW21500

RIGHT-N SHORT FORM

APRIL 10, 2006

Units: U.S. customary (I-P)

Job #: 0355

For: S&S FOOD STORE NO. 28
41/441 SOUTH
LAKE CITY, FL

By: COBURN & ASSOCIATES
P.O. BOX 577
HIGH SPRINGS, FL
(904) 454-3748

	Htg	Clg
Outside db	33	92
Inside db	70	75
Design TD	37	13
Daily Range	-	20
Inside Humid.	-	50
Moist. Diff.	-	52
Inside wb	-	63
Outside RH	-	51
Outside wb	-	77

HEATING EQUIPMENT

Make	n/a
Model	n/a
Type	n/a
Efficiency / HSPF	0.0
Heating Input	0.0 MBtuh
Heating Output	0.0 MBtuh
Humidifier	0.0 gpd
Leaving Air Temp	0.0 °F
Actual Heating Fan	0 cfm

COOLING EQUIPMENT

Make	n/a
Model	n/a
Type	n/a
COP / EER / SEER	0.0
Sensible Cooling	0.0 MBtuh
Latent Cooling	0.0 MBtuh
Total Cooling	0.0 MBtuh
Leaving Air Temp	0.0 °F
Actual Cooling Fan	0 cfm

Equipment Location
System Type
Fan Motor Heat Type
Fan & Motor Combined Efficiency
Static Pressure Across Fan

ZONE
n/a
n/a
0.0 %
0.0 in H2O

NAME	Area ft ²	Heat Loss	Sensible Gain	Latent Gain	Htg cfm	Clg cfm	Time
COOLER 107	540	9502	6495	0	307	307	6PM
COOLER 108	125	2050	1506	0	70	70	6PM
CORRIDOR 102	61	1507	1250	0	57	57	6PM
GENERAL SALES 100	3126	68026	130412	4000	5960	5960	6PM
MECHANICAL RM 105	126	2044	1419	0	69	69	6PM
MENS RR 103	132	2995	1851	0	86	86	6PM
O.A. COMPONET	0	0	5346	7845	244	244	6PM
STOCK RM 106	226	3653	3064	0	148	148	6PM
WOMENS RR 104	140	1306	833	0	45	45	6PM
AH-1	4476	91082	152177	11845	6986	6986	6PM

Manual N: 4th Edition
Certified by ACCA to meet all requirements of Manual Form N

Right-N: Ver.3.0.06

[Signature] 4/10/06
Coburn & Associates, Inc.
P.O. Box 577
High Springs Florida 32655-0577
(386) 454-3748 • Fax 386-454-2652
EB # 0003687
Richard E. Coburn P.E. #32820

S/N RNW21500

RIGHT-N ZONE SUMMARY

Units: U.S. customary (I-P)

APRIL 10, 2006

For: S&S FOOD STORE NO. 28

By: COBURN & ASSOCIATES

Job #: 0355

Zone: AH-1

COOLING LOAD

1. DESIGN CONDITIONS at 6PM		Peak load at 6PM			
Inside:	75 °F	Outside:	92 °F	TD:	13 °F
RH:	50 %	Moisture:	52 gr/lb	Mult:	1.0
				Ins.wb	63 °F
				Sensible	Latent
2. SOLAR RADIATION THROUGH GLASS				80304	-
3. TRANSMISSION GAINS				35518	-
Walls:	11514			-	-
Glass:	11325			-	-
Doors:	0			-	-
Partitions:	0			-	-
Floors:	0			-	-
Roofs/Ceilings:	12678			-	-
Return Air Ceiling:	0			-	-
4. INTERNAL HEAT GAIN				36355	11845
Occupants:	5000		4000	-	-
Lights:	25369		0	-	-
Motors:	0		0	-	-
Appliances & Other:	5986		7845	-	-
5. INFILTRATION:	Outside air cfm:	0		0	0
6. SUBTOTAL: Space load				152177	11845
7. SUPPLY DUCT				0	-
8. SUBTOTAL: Bldg comp's and supply duct				152177	-
Actual cfm:	6986	at Supply TD:	20	-	-
9. VENTILATION:	Make-up air cfm:	0		0	0
10. RETURN AIR LOAD:	Lighting & roof (net)			0	-
11. RETURN DUCT				0	-
12. TOTAL LOADS ON EQUIPMENT				152177	11845

HEATING LOAD

13. DESIGN CONDITIONS			Mult:	1.0	
Inside:	70 °F	Outside:	33 °F	TD:	37 °F
14. TRANSMISSION LOSSES				60320	
Walls:	18137			-	
Glass:	33903			-	
Doors:	0			-	
Partitions:	0			-	
Floors:	0			-	
Roofs/Ceilings:	8281			-	
Return Air Roof:	0			-	
15. INFILTRATION:	Outside air cfm:	582		23554	
16. SUBTOTAL: Building components				83874	
17. SUPPLY DUCT:				0	
18. VENTILATION:	Make-up air cfm:	0		0	
19. HUMIDIFICATION				7208	
20. RETURN DUCT				0	
21. TOTAL HEATING LOAD ON EQUIPMENT				91082	

WTH Carl

COPY

The Florida Department of Community Affairs Building Code Information System



SITE NAVIGATION

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- Manufact. Buildings
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- Product Approval

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PRODUCT APPROVAL

Product Type Detail

Overview Product Search Organization Search Product Application

User: Public User - Not Associated with Organization -

[Need Help?](#)

Application #: FL3395
Date Submitted: 09/24/2004
Code Version: 2001

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: **Exterior Doors**

Subcategory: Swinging

Evaluation Method: Evaluation Report from a Florida Registered Architect or Florida Professional Engineer

Referenced Standards from the Florida Building Code:		
Section Chapter	Standard	Year
24	Florida Building Code	2001
	ASTM E283	1999
	ASTM E330	2002

Florida Engineer or Architect Name: Elizabeth A. Broadway

Florida License: PH-38558

Quality Assurance Entity: Architectural Testing, Inc.
Validation Entity: Architectural Testing, Inc.
Authorized Signature: William Smith
bsmith@vistawall.com
Evaluation/Test Reports Uploaded: PTID_3395_I_Cert_of_Independence.pdf
PTID_3395_I_NS-212.pdf
Installation Documents Uploaded:
Product Approval Method: Method 1 Option D
Application Status: Approved
Date Validated: 11/02/2004
Date Approved: 11/16/2004
Date Certified to the 2004 Code:

Page: Go

Page 1 / 1

App/Seq #	Product Model # or Name	Model Description	Limits of Use
3395.1	NS-212	Aluminum Hinged Pair of Doors	Not for use in High Velocity Hurricane Zone. Use of doors is limited to a design pressure of +/- 30 psf. Doors are not impact rated.

[Next](#)

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September 20, 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: Certified Testing Laboratories
7252 Narcoossee Road
Orlando, FL 32822
Issue Date: August 3, 2004
Report No. CTLA-1257W

Product Category: Windows

Product Type: Aluminum Hinged Door

Series/Model: NS-212

To Whom It May Concern:

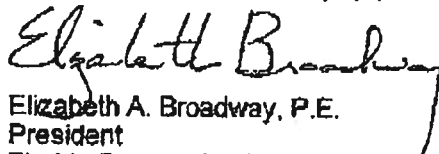
I have reviewed the test report prepared by Certified Testing Laboratories, dated August 3, 2004, for the above referenced product. According to this report, the Vistawall Series NS-212 door system was tested in accordance with the following standards:

1. ASTM E 283-99 for air infiltration;
2. ASTM E 330-02 for uniform load deflection; and
3. ASTM E 330-02 for uniform load structural.

According to the information provided in the test report, the Vistawall Series NS-212 door system was tested in accordance with ASTM E 283-99 for air infiltration and ASTM E 330-02 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 NS-212 door 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-ns212.ltr wpd/eeb

1335 W. Gave Street
Tampa, FL 33606
(813) 251-8244
Fax: 251-8380
www.broadway-eng.com

CIVIL
REGISTERED
STRUCTURAL
ANALYSIS DESIGN



September 20, 2004

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

Re: Certification of Independence

To Whom It May Concern:

In accordance with Chapter 9B-72.110 F.A.C., I hereby certify the following:

1. Elizabeth A. Broadway, P.E. and Broadway Engineering, P.A. do not have, nor intend to acquire, or will acquire a financial interest in Vistawall Architectural Products.
2. Elizabeth A. Broadway, P.E. and Broadway Engineering, P.A. do not have, nor will acquire, a financial interest in any other entity involved in the approval process of any product of Vistawall Architectural Products.

Sincerely,

BROADWAY ENGINEERING, P.A.

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

2787-cart-of-ind.wpd/esb

 1335 W. Cass Street
 Tampa, FL 33606
 (813) 281-8244
 Fax: 281-9330
 www.broadway-eng.com

 CIVIL
 MECHANICAL
 STRUCTURAL
 ELECTRICAL DESIGN

CERTIFIED TESTING LABORATORIES

Victorinox Division • 2752 Northway Rd. • Chicago, IL 60631
Tel: 708.377.4100 • Fax: 708.377.4101
Web Site: www.victorinox.com
E-mail: info@victorinox.com



Report Number: CT1A-1257W

Date: August 1, 2004
Test Dates: May 20, 2004 - June 1, 2004

Lab Certification Number: 02-0429-03

Test Requested By: Vistawall Architectural Products
803 Airport Rd.
Terrell, TX 75160

Tests Conducted: AAMA/NWWDA 101/LS2-97 "Voluntary Specification for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors".

Design Pressures:

Aluminum Hinged Glass Door with Offset Pivots- +30.0 psf / -30.0 psf
(Woolpile Weathering)

(1) DESCRIPTION OF SERIES

Model Designation: Series NS-212 Aluminum Hinged Glass Doors (Outswing) With Offset Pivots and (Woolpile Weathering)

Overall Size: 75.750" wide x 85.750" high

Configuration: X / X Pair of Hinged Glass Door with One (1) Active leaf and One (1) Inactive leaf

Entrance Door Leaves:

- (1) Active door leaf- 36.000" wide x 84.000" high, each
- (1) Inactive door leaf- 36.000" wide x 84.000" high, each

2. MATERIAL CHARACTERISTICS:

Frame and Door Material: Extruded Aluminum Extrusions 6063-T6 and 6063-T5 as stated by the manufacturer.

Handwritten signature: [Signature]
Date: 8/3/04

Page 2 of 6
Report #

Vistawall
CTLA-1257W

Frame Construction:

Frame Corner Construction: At each top corner, the frame jamb ran through while the frame head member was square cut, butted and mechanically fastened to each frame jamb member using two (2), # 14 x 1 FH STS. At each bottom corner, the frame jamb ran through while the threshold was square cut, butted and mechanically fastened to the frame jamb using one (1) 3/4" long threshold clip per end. Each threshold clip was secured to the frame jamb using two (2), # 8 x 1-1/2" PH FH SMS. The threshold was then placed over the threshold clips and secured directly to the opening as described in the installation section of this report.

The main frame consisted of one (1) Door Frame Header measuring 1.750" wide x 4.500" high, two (2) Door Frame Jambs measuring 1.750" wide x 4.500" high, one (1) Threshold measuring 4.000" wide x .500" high and three (3) Door Frame Stops measuring 1.156" wide x .746" high. The door frame stops were snap in type and inserted on the perimeter interior of the door frame header and door frame jambs. The frame jambs were secured to the frame head in each corner with two (2) 1/4" 20 x 1.00" Hex Head S.M.S. fasteners.

Door Leaves Construction:

Active leaf consisted of the following:

- (1) Door hinge stile measuring 2.125" wide x 1.750" high x .125" thick.
- (1) Door active lock stile measuring 1.989" wide x 1.750" high x .125" thick.
- (1) Door bottom rail measured 4.000" wide x 1.750" high x .125" thick
- (1) Door top rail measured 1.710" wide x 2.250" high x .125" thick
- (4) Door corner blocks. Two (2) for bottom rails measured 1.440" wide x 1.927" high x .250" thick and Two (2) for top rails measured 1.440" wide x 1.350" high x .250" thick

Typical door corner assembly for Active door leaf. Corner block was secured to door top and bottom rail with four (4) #10 x .750" Phillips F.H Countersunk S.M.S. fasteners and to the door stile with two (2) 1/4"-20 x 3/4" Hex Head S.M.S. fasteners into one (1) aluminum back-up plate in door stile. Aluminum back-up plate measured 1.4375" wide x 2.875" high x .3125" thick. Reference (Drawing # NS-212-04 sheet 2 details 1 and 2) for typical corner weld detail.

Inactive leaf consisted of the following:

- (1) Door hinge stile measuring 2.125" wide x 1.750" high x .125" thick.
- (1) Door inactive astragal stile measuring 2.125" wide x 1.750" high x .125" thick
- (1) Door bottom rail measured 4.000" wide x 1.750" high x .125" thick
- (1) Door top rail measured 1.710" wide x 2.250" high x .125" thick
- (1) Adjustable astragal assembly .331" wide x 1.562" high x .062" thick
- (4) Door corner blocks. Two (2) for bottom rails measured 1.440" wide x 1.927" high x .250" thick and Two (2) for top rails measured 1.440" wide x 1.350" high x .250" thick

Typical door corner assembly for Inactive door leaf. Corner block was secured to door top and bottom rail with four (4) #10 x .750" Phillips F.H Countersunk S.M.S. fasteners and to the door stile with two (2) 1/4"-20 x 1/4" Hex Head S.M.S. fasteners into one (1) aluminum back-up plate in door stile. Aluminum back-up plate measured 1.4375" wide x 2.875" high x .3125" thick. Reference (Drawing # NS-212-04 sheet 2 details 1 and 2) for typical corner weld detail.

Glazing:

Glazing Material:

Monolithic 3/16" Tempered Glass.

de Labl. P.E.
8/3/04

Page 1 of 6
Report 2Visitant
CTIA-1257W**Glazing Method:**

Each door leaf was glazed using an aluminum snap-in glass stop and a hollow lace-in bulb vinyl weather stripping on each side of the glass. The glass bite was 0.2812". The aluminum glass stop measured .500" x .625" x .055".

Daylight Opening:

- (1) Active leaf- 30.5625" wide x 75.9375" high
(1) Inactive leaf- 30.5625" wide x 75.9375" high

Weather-stripping:

Quantity	Description	Location
(3)	Strips of lace-in woolpile weathering in door stop .300" wide x .282" high	One (1) each exterior leg of snap-in stop
(2)	Strips of lace-in skirting seal woolpile .110" wide x .630" high	One (1) each interior and exterior leg of adjustable astragal assembly
(2)	Strips of lace-in vinyl flap weather-stripping .110" wide x 1.075" high	One (1) each door bottom rail sweep of active and inactive leaves
(16)	Strips of lace-in bulb vinyl weather-stripping .350" wide x .365" high	One (1) each side of glass on each aluminum door glass stop

Hardware:

Quantity	Description	Location
(1)	Mortise Lock/Deadbolt (Mfg. Adams Rite)	Active meeting lock stile 44.250" o.c. from leaf bottom
(3)	Strike Cutout	Inactive Meeting Stile 44.250" o.c. from leaf bottom
(4)	Cast aluminum offset door pivots top and bottom	One (1) each corner of threshold and jamb, frame head and jamb. Spring loaded
(2)	Aluminum pull handles	One (1) each active meeting lock stile and inactive meeting stile
(2)	Aluminum door bottom sweeps	One (1) each Active and Inactive door leaf
(1)	Adjustable astragal assembly	Active meeting stile
(1)	Nylon tip Astragal flush bolt attached to metal rod (Mfg. International Door Closers)	Interior of inactive meeting stile

h2 / 10/04 P.E 8/3/04

Page 4 of 6
Report #Vistawall
CTLA-1237WSealant:

At each frame head corner the joint was sealed using strips of Schnee-Morehead SM 5601 Tacky Tape Industrial Tape Sealant. At the bottom corner the threshold was sealed to the vertical jamb member using 921 Vulkem polyurethane sealant.

3. INSTALLATION:Screws and Method of Attachment

The $\frac{1}{4}$ " perimeter shim space between the test specimen and the steel "C" channel test buck was sealed on the interior and exterior with Vulkem #921 sealant as stated by the manufacturer. The following fasteners along with locations were also utilized to secure specimen to test buck.

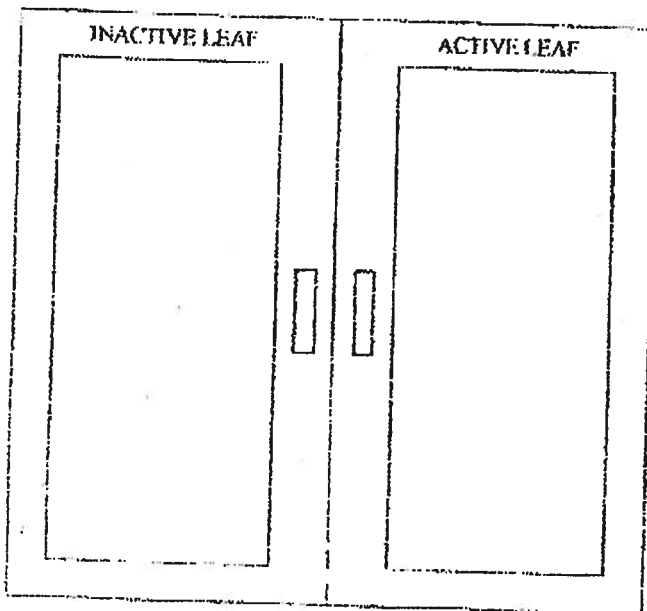
Five (5) $\frac{1}{4}$ -20 x 1.00" Phillips F.H. Counter sink Tek Screws were used to secure Threshold to test buck, located at 5.00" from each corner and 16.00" c/c thereafter measuring from left jamb to right jamb.

Three (3) $\frac{1}{4}$ -20 x 3.00" Machine Bolts with nut and washer were used to secure each frame jamb to test buck, located at 2.500", 42.250" and 82.375" measuring from Threshold to frame head.

Two (2) $\frac{1}{4}$ -20 x 3.00" Machine Bolts with nut and washer were used to secure frame head to test buck, one (1) each located at 2.500" from each side of the center line of frame width.

Additional Comments:

Test specimen was secured to a steel "C" channel test frame that had welded corners.

3. Test Results:

Handwritten signature
8/3/04

Deflection Gauges Set At Location 1- Measurements were taken with one (1) Dynavision Laser indicator SN-S1002143

Page 5 of 5
Report #Vistawall
CTLA-1257W**Performance Test Results**

<u>Paragraph No.</u>	<u>Title of Test</u>	<u>Test Method</u>	<u>Measured</u>	<u>Allowed</u>
*2.1.2	Air Infiltration @1.57 psf	ASTM E283-99	.643 cfm/ft.	1.0 cfm/ft
*Test conducted with woodpile weathering. Note: All test for double/paired 6'-0" x 7'-0" shall not exceed 1.0 cfm/ per linear ft. of crack. The tested specimen meets or exceeds the performance levels specified in AAMA/NWDA101A S.2-97.				

STATIC AIR PRESSURE TESTS

<u>Paragraph No.</u>	<u>Title of Test</u>	<u>Test Method</u>	<u>Measured</u>	<u>Allowed</u>
*2.1.4.2/4.4.2	Uniform Load Structural Permanent Deformation	ASTM E330-02 Ten (10) second loading		
@45.0 psf Positive (D/P 30)		Bottom of door Loc (1)	0.120"	0.178"
@45.0 psf Negative (D/P 30)		Bottom of door Loc (1)	0.154"	0.178"

Max. allowable Perm. Set of Loc #1 Bottom of Door (0.4% of 44.500" span) = 0.178"

*Note: Specimen passed in the Negative load after replacing the bottom flush bolt.

FORCED ENTRY TEST

Forced Entry Resistance	AAMA 1303.5-76	<u>Measured</u>	<u>Allowed</u>
Paragraph A		<0.5"	0.5"
Paragraph B		<0.5"	0.5"
Paragraph C		<0.5"	0.5"
Paragraph D, E & F		<0.5"	0.5"
Paragraph G		<0.5"	0.5"

At conclusion of testing the operable door panel opened and operated in a manner that was considered not unreasonable.

W. E. Field P.E.
8/3/04

Page 6 of 6
 Report # Vistawall
 CTL-A-1257W

5. DRAWINGS TO BE SUBMITTED:

Submittal drawings supplied by Vistawall signed and sealed by this laboratory are submitted as part of this report.

Comment: Nominal 2-mil polyethylene film was used to seal against leakage during structural loads. The film was used in a manner that did not influence the test results.

Remarks: The results obtained and reported apply only to the specimens tested. Detailed drawings (NS-212-04) were available for laboratory records and comparison to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by CTL for a period of four (4) years. The results obtained apply only to the specimen tested.

This test report does not constitute certification of this product, but only that the above test results were obtained using the designated test methods and they indicate compliance with the performance requirements (paragraphs as listed) of the above referenced specifications.

Certified Testing Laboratories assumes that all information provided by the client is accurate and that the physical and chemical properties of the components are as stated by the manufacturer.

Observers

JD Williams- Vistawall

All Tests Certified and Witnessed by

Trace Blakely- CTL

Ramesh Patel- P.E.

Steven Gibbs- CTL

Michael Miller

Michael Miller/Lab Technician
 Certified Testing Laboratories, Inc.
 Architectural Division

Ramesh Patel P.E.

Ramesh Patel, P.E. 8/3/05
 Florida Reg. # 20224

Co: Vistawall (2)
 Fred Grunewald (4)
 Ramesh Patel (1)
 File (1)
 NAMI (2)



September 20, 2004

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

Re: Certification of Independence

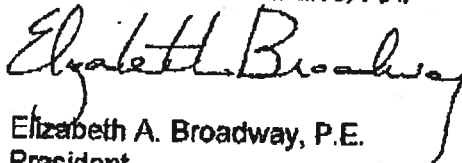
To Whom It May Concern:

In accordance with Chapter 9B-72.110 F.A.C., I hereby certify the following:

1. Elizabeth A. Broadway, P.E. and Broadway Engineering, P.A. do not have, nor intend to acquire, or will acquire a financial interest in Vistawall Architectural Products.
2. Elizabeth A. Broadway, P.E. and Broadway Engineering, P.A. do not have, nor will acquire, a financial interest in any other entity involved in the approval process of any product of Vistawall Architectural Products.

Sincerely,

BROADWAY ENGINEERING, P.A.



Elizabeth A. Broadway, P.E.
President

Florida Registration No. 38558

2787-cert-of-ind.wpd/eab

1035 W. Carr Street
Tampa, FL 33606
(813) 251-9244
Fax: 251-9930
www.broadway-eng.com

CIVIL
MECHANICAL
STRUCTURAL
GEOTECHNICAL

**Product Approval**

USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

FL # FL4870
Application Type New
Code Version 2004
Application Status Approved
Comments
Archived ☐

Product Manufacturer Berridge Manufacturing Co.
Address/Phone/Email 1720 Maury
Houston, TX 77026
(800) 231-8127 ext 215
bmarks@berridge.com

Authorized Signature James L. Buckner, P.E.
jimmy@cbuckinc.net

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Category Roofing
Subcategory Metal Roofing

Compliance Method Evaluation Report from a Florida Registered Architect or a
Licensed Florida Professional Engineer
☒ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name James L. Buckner
who developed the Evaluation
Report

Florida License PE-31242
Quality Assurance Entity Underwriters Laboratories Inc.
Validated By Warren W. Schaefer, P.E.

Certificate of Independence

Referenced Standard and Year (of Standard)	<u>Standard</u>	<u>Year</u>
	SBC/SSTD 12	1999
	UL580, Rev. 1998	1994

Equivalence of Product Standards
Certified By

Sections from the Code (FL 4870.3) 423.25.4
1507.4

Product Approval Method Method 2 Option B

Date Submitted 07/21/2005

Date Validated 08/02/2005

Date Pending FBC Approval 08/09/2005

Date Approved 08/24/2005

Summary of Products

FL #	Model, Number or Name	Description
4870.1	1- "Zee-Lock Panel"	Minimum 24 Gauge Steel, Maximum 16" Wide Panel Attached to Wood Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepare by a qualified design professional, as required by Florida Building Code,		Installation Instructions Verified By: Evaluation Reports PTID_4870_T_1-ZeeLock_16in_24GaSteelOnWood_EVALREPORT.pdf PTID_4870_T_2-ZeeLock_16in_24GaSteelOnSteel_EVALREPORT.pdf PTID_4870_T_3-ZeeLock_16in_24GaSteelOnSteel_LargeMissileRated_EVALREPORT.pdf PTID_4870_T_4-CeeLock_16.5in_24GaSteelOnWood_EVALREPORT.pdf PTID_4870_T_5-CeeLock_16.5in_24GaSteelOnSteel_EVALREPORT.pdf PTID_4870_T_6-TeePanel_19.75in_24GaSteelOnWood_EVALREPORT.pdf PTID_4870_T_7-TeePanel_19.75in_24GaSteelOnSteel_EVALREPORT.pdf PTID_4870_T_8-HighSeamTee_18in_24GaSteelOnWood_EVALREPORT.pdf PTID_4870_T_9-HighSeamTee_18in_24GaSteelOnSteel_EVALREPORT.pdf PTID_4870_T_a10-DoubleRib_24in_24GaSteelOnWood_EVALREPORT.pdf PTID_4870_T_a11-DeepVeeBattenSeam_16in_24GaSteelOnWood_EVALREPORT.pdf PTID_4870_T_a12-Bermuda_11in_24GaSteelOnWood_EVALREPORT.pdf

Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		PTID_4870_T_a13-VictorianShingle_9x12in_24GaSteelOnWood_EVALREPORT.pdf PTID_4870_T_a14-ClassicShingle_9x12in_24GaSteelOnWood_EVALREPORT.pdf PTID_4870_T_CertOfIndepAndQA.pdf
4870.2	2- "Zee-Lock Panel"	Minimum 24 Gauge Steel, Maximum 16" Wide Panel Attached to Steel Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepare by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
4870.3	3- "Zee-Lock Panel"	LARGE MISSILE IMPACT RATED-Minimum 24 Gauge Steel, Maximum 16" Wide Panel Attached to Steel Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepare by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
4870.4	4- "Cee-Lock Panel"	Minimum 24 Gauge Steel, Maximum 16.5" Wide Panel Attached to Wood Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf.		Installation Instructions Verified By: Evaluation Reports

The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		
4870.5	5- "Cee-Lock Panel"	Minimum 24 Gauge Steel, Maximum 16.5" Wide Panel Attached to Steel Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
4870.6	6- "Tee-Panel"	Minimum 24 Gauge Steel, Maximum 19.75" Wide Panel Attached to Wood Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
4870.7	7- "Tee-Panel"	Minimum 24 Gauge Steel, Maximum 19.75" Wide Panel Attached to Steel Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/-		Installation Instructions Verified By: Evaluation Reports

Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepare by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		
4870.8	8- "High Seam Tee-Panel"	Minimum 24 Gauge, Nominal 18" Wide Panel Attached to Wood Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepare by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
4870.9	9- "High Seam Tee-Panel"	Minimum 24 Gauge Steel, Nominal 18" Wide Panel Attached to Steel Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepare by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
4870.10	a10- "Double-Rib Panel"	Minimum 24 Gauge Steel, Maximum 24" Wide Panel Attached to Wood Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant:		Installation Instructions Verified By: Evaluation Reports

Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepare by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		
4870.11	a11- "Deep Vee Panel with Batten Seam"	Minimum 24 Gauge Steel, Maximum 16" Wide Panel Attached to Wood Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepare by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
4870.12	a12- "Bermuda Panel"	Minimum 24 Gauge Steel, Maximum 11" Exposure Panel Attached to Wood Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. Any extrapolation shall address clip spacing and panel interlock strength. All rational analysis computations shall be prepare by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
4870.13	a13- "Victorian Shingle"	Minimum 24 Gauge Steel, Maximum 9" x 12" Coverage Panel Attached to Wood Deck
Limits of Use		Installation Instructions

Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 118.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. Any extrapolation shall address clip spacing and panel interlock strength. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Verified By: Evaluation Reports
4870.14	a14- "Classic Shingle"	Minimum 24 Gauge Steel, Maximum 9" x 12" Coverage Panel Attached to Wood Deck
Limits of Use Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = 118.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. Any extrapolation shall address clip spacing and panel interlock strength. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports

COLUMBIA COUNTY 9-1-1 ADDRESSING

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 REQUESTED: 2/16/2006 DATE ISSUED: 2/20/2006

ENHANCED 9-1-1 ADDRESS:

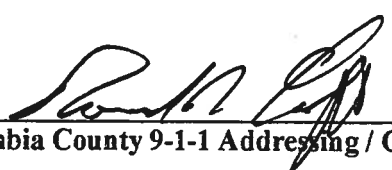
3242 S US HIGHWAY 441

LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

17-4S-17-08408-000

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

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

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DATE REQUESTED: 2/16/2006 DATE ISSUED: 2/20/2006

ENHANCED 9-1-1 ADDRESS:

3242 S US HIGHWAY 441

LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

17-4S-17-08408-000

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

District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - George Skinner
District No. 4 - Jennifer Flinn
District No. 5 - Elizabeth Porter

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY



December 14, 2004

Lester Scaff
2200 East Duval Street
Lake City, FL 32055

Re: SDP# 04-10

Dear Mr. Scaff:

This letter is to inform you that your application for a Site and Development Plan was approved by the Columbia County Planning & Zoning Board at the meeting on December 9, 2004. Any necessary permits required by the County's Building Department can be obtained at this time.

If you have any questions concerning this matter, please feel free to contact me at (386) 758-1008.

Sincerely,

A handwritten signature in black ink, appearing to read "B. L. Kepner".

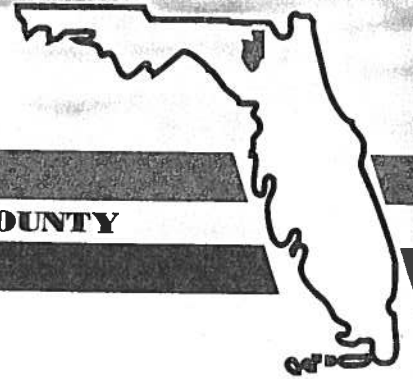
Brian L. Kepner
County Planner
Columbia County

A large, stylized handwritten signature in black ink. The name "O'NEAL" is clearly visible in capital letters, with a large "O" and a long horizontal stroke extending from the end.

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.

District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - George Skinner
District No. 4 - Jennifer Flinn
District No. 5 - Elizabeth Porter

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY



December 14, 2004

Lester Scaff
2200 East Duval Street
Lake City, FL 32055

Re: SDP# 04-10

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If you have any questions concerning this matter, please feel free to contact me at (386) 758-1008.

Sincerely,

A handwritten signature in black ink, appearing to read "B. L. Kepner", is written over a horizontal line.

Brian L. Kepner
County Planner
Columbia County

A large, stylized handwritten signature in black ink, reading "O'NEAL", is written over a horizontal line.

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**PROPOSED STATE HIGHWAY ACCESS CONNECTION
NOTICE OF INTENT TO ISSUE PERMIT**

850-040-24
SYSTEMS PLANNING
09/02
Page 1 of 4

Important: This Notice does not authorize construction to begin and is not a final permit.
ALSO NOTE: THIS NOTICE OF INTENT IS ONLY VALID FOR 1 YEAR FROM SIGNING DATE IN PART 6.

PART 1: APPLICANT INFORMATION

APPLICATION NUMBER: 2006-A-292-7

Project Name: S & S Food Store No. 28

State Road Name/Number: 25 (S) US 41/441

Section Number: 29030

Maintenance Office: Lake City maintenance N. E. Miles, Access permits Coordinator
Permit Staff Representative

Applicant: Stafford L., Jr. & Anne C. Scaff

(Responsible Officer): Stafford L. (Lester) Scaff, Jr. (Principle)

Mailing Address: 2200 East Duval Street Lake City Florida 32055
Street City State Zip

Telephone: (386) 752-7344

PART 2: NOTICE OF INTENT TO ISSUE PERMIT

YOU ARE HEREBY ADVISED:

The Florida Department of Transportation has completed its review of the subject connection permit Application received 12/8/2004 for consistency with Rule Chapters 14-96 and 14-97, F.A.C., and current Department spacing, location, and design criteria and hereby issues this "Notice of Intent" to:

- ☐ Issue the subject permit consistent with the permit Application.
- ☒ Issue the subject permit consistent with the permit Application and subject to the attached provisions.

IMPORTANT

This notice of intent to issue a permit does NOT constitute Department permit issuance. The permit will be issued after the permittee shows proof that a valid local government development approval or development order has been given to the sites served by the connection and special provisions of the approval consistent with the permit applications and conditions previously noted.

No connection work on the right of way shall be initiated until the Department permit is actually issued. Any changes to the site(s) plan will require re-evaluation of the connection(s). This notice is valid for one year, from the date of issuance, and can only be extended with approval by the Department for problems outside the control of the applicant pursuant to Rule Chapter 14-96, F.A.C. This Notice of Intent is transferable as specified only in Rule Chapter 14-96, F.A.C.

Continued next page

PART 3: CONDITIONS

Conditions to be met before Permit will be issued:

Standard:

1. Development approval from the appropriate local government consistent with the Notice of Intent to Permit;
2. Assurance of performance pursuant to Section 334.187, Florida Statutes (if required);
3. Notification of all known right of way users affected by the connection(s);
4. Compliance with drainage requirements in Rule Chapter 14-86, F.A.C.

Other Conditions:

I. This notice of Intent to Permit is issued to inform the permittee that the Department of Transportation is in it's final review phase of this proposed permit project site, and that additional changes and/or additional information for the permitting of this site application may still be required.

✓ II. This Notice of Intent also allows the permittee to make formal application to the local county government permitting authority for the purpose of obtaining building permits to commence site work. The Departemnt shall retain it's right under law to request that the final county building occupancy certificate and final permanent electrical power be withheld until such time the State Department of Transportation, Lake City Maintenance, Permits Office has completed and passed all roadway, access and traffic signalization improvements as permitted under State Access permit No. 2006-A-292-7 (revised.)

III. Failure on the approved permittee's part to abide by this Intent to Permit Notice and it's preliminary conditions, shall be reason to suspend said final permit approval until such time as the permittee has satisfied any and all provisions both general and special under the final approved access permit and this legal notice of intent.

Use additional sheet if necessary

Continued next page

PART 4: NOTICE OF DEPARTMENT AUTHORITY

1. All approved connection(s) and turning movements are subject to the Department's continuing authority to modify such connection(s) or turning movements in order to protect safety and traffic operations on the state highway or State Highway System.
2. **Transportation Control Features and Devices in the State Right of Way.** Transportation control features and devices in the Department's right of way, including, but not limited to, traffic signals, medians, median openings, or any other transportation control features or devices in the state right of way, are operational and safety characteristics of the State Highway and are not means of access. The Department may install, remove, or modify any present or future transportation control feature or devices in the state right of way to make changes to promote safety in the right of way or efficient traffic operations on the highway.

PART 5: DEPARTMENT CONTACT

NAME: Neil E. Miles, Permits Coordinator

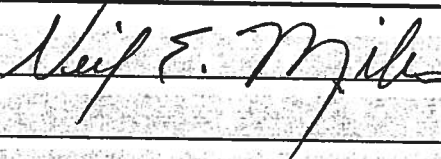
ADDRESS: 710 NW Lake Jeffery Road

Suite No. 101, Lake City, FL 32055-2621

PHONE: (386) 961-7193

PART 6: SIGNATURE OF DEPARTMENT AUTHORITY

SIGNATURE OF DEPARTMENT OFFICIAL: _____



PRINT OR TYPE NAME: Neil E. Miles

PRINT OR TYPE POSITION: Coordinator

DATE: 1/19/2006

PHONE: (386) 961-7180

Continued next page

PART 7: APPEAL PROCEDURES

You may request an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes. If you disagree with the facts stated in the foregoing Notice of Intended Department Action (hereinafter Notice), you may request a formal administrative hearing pursuant to Section 120.57(1), Florida Statutes. If you agree with the facts stated in the Notice, you may request an informal administrative hearing pursuant to Section 120.57(2), Florida Statutes. You must send the written request to:

Clerk of Agency Proceedings
Department of Transportation
Haydon Burns Building
605 Suwannee Street, M.S. 58
Tallahassee, Florida 32399-0458

The written request for an administrative hearing must conform to the requirements of either Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code, and must be received by the Clerk of Agency Proceedings by 5:00 P.M., no later than 21 days after you received the Notice. The written request for an administrative hearing should include a copy of the Notice, and must be legible, on 8 ½ by 11 inch white paper, and contain:

1. Your name, address, telephone number, and Department identifying number on the Notice, if known, and name, address, and telephone number of your representative, if any;
2. An explanation of how you are affected by the action described in the Notice.
3. A statement of how and when you received the Notice.
4. A statement of all disputed issues of material fact. If there are none, you must so indicate.
5. A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle you to relief; and
6. A demand for relief.

A formal hearing will be held if there are disputed issues of material fact. If a formal hearing is held, this matter will be referred to the Division of Administrative Hearings, where you may present witnesses and evidence and cross examine other witnesses before an administrative law judge. If there are no disputed issues of material fact, an informal hearing will be held, in which case you will have the right to provide the Department with any written documentation or legal arguments which you wish the Department to consider.

Mediation, pursuant to Section 120.573, Florida Statutes, may be available if agreed to by all parties, and on such terms as may be agreed upon by all parties. The right to an administrative hearing is not affected when mediation does not result in a settlement.

If a written request for an administrative hearing is not timely received you will have waived your right to have the intended action reviewed pursuant to Chapter 120, Florida Statutes, and the action set forth in the Notice shall be conclusive and final.

End

NOTICE OF COMMENCEMENT

24447

State of FLORIDA
County of COLUMBIA

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.

1. Description of property: SW COR DIXIE VILLA S/D, RUNS 1456 FT., E 787.7 FT.
FOR POB, E 75.8 FT. N 102.3 FT. E
2. General description of improvement: NEW CONVENIENCE STORE W/ GAS.
3. Owner information:
 - a. Name & Address: STAFFORD L. & ANNE C. SCAFF
134 SE COLBURN AVE. - LAKE CITY, FLORIDA 32025
 - b. Interest In Property: 100%
 - c. Name & Address of fee simple titleholder (other than owner):
N/A
4. Contractor's Name & Address: O'NEAL CONTRACTING, INC.
P.O. BOX 3505 - LAKE CITY, FLORIDA 32056
 - a. Phone number: 386-752-7578
 - b. Fax number: 386-755-0240
5. Surety Information:
 - a. Name & Address: N/A
 - b. Phone number: _____
 - c. Fax number: _____
 - d. Amount of Bond: \$ _____
6. Lender's Name & Address: N/A
 - a. Phone number: _____
 - b. Fax number: _____
7. Person within the State of Florida designated by owner upon whom notices or other documents may be served as provided by 713.13 (1) (a), 7 Florida Statutes:
Name & Address: N/A
 - a. Phone number: _____
 - b. Fax number: _____
8. In addition to himself, owner designates N/A of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.
9. Expiration date of Notice of Commencement (the expiration date is one (1) year from the date of recording unless a different date is specified): _____

(signature of owner) [Signature]

Sworn to and subscribed before me
this 25TH day of APRIL, 2006.

Notary Sherry L. Kennedy

Known Personally/ I.D. Shown _____



My commission expires:

Inst: 2006009999 Date: 04/25/2006 Time: 15:42

2-7 DC, P. Dewitt Cason, Columbia County B: 1081 P: 1617



Lake City Fire Department

225 NW Main Blvd., Suite 101, Lake City, FL 32055
Phone: 386-752-3312 Fax: 386-758-5424

Michael Johnson
Fire Chief

Inspection Division

Fire Safety Inspectors
Carlton A. Tunsil
Assistant Fire Chief

Frank E. Armijo
Battalion Chief

Nathiel L. Williams, Sr.
Fire Inspector

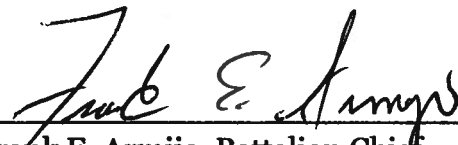
To: John O'neal

FROM: Frank E. Armijo, Battalion Chief
State Fire Inspector License #112877

DATE: December 12, 2006

SUBJECT: Fire Safety Inspection

A fire safety inspection was performed today at S&S #28, located at Hwy 41 south and CR 252, Lake City, FL. This business meets all requirements of Chapter 36 of the Florida Fire Prevention Code, 2004 Edition. No violations were noted. I recommend approval.


Frank E. Armijo, Battalion Chief
State Fire Inspector License #112877



Lake City Fire Department

225 NW Main Blvd., Suite 101, Lake City, FL 32055
Phone: 386-752-3312 Fax: 386-758-5424

Michael Johnson
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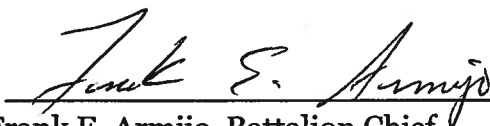
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Frank E. Armijo, Battalion Chief
State Fire Inspector License #112877

H 24447

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

0603-89

Reference to a building permit application Number:

O'Neal Contracting Owners L. & Anne Scaff S&S Food Store # 28 S 3242 US Highway

On the date of March 31, 2006 application 0603-89 and plans for construction of a Convenience store 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 0603-89 when making reference to this application.

1. The plans submitted with application 0603-89, in which the structural designs were done by Mr. Craig Salley & Associates requires additional information.

Please have Mr. Salley include the following information per section chapter 16 structural designs of the Florida Building Code 2004 addition.

Basic wind speed (MPH)

Wind importance factor (I) and building category

Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated.

The applicable internal pressure coefficient

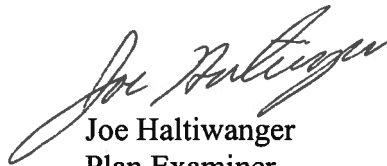
Components and cladding the design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional

2. For the canopy area also include the above structural requirements along with structural plans and the attachment method of the canopy to the structure as shown within this application.

3. Provide product approval specification for a materials which are either attached to or become part of the exterior shear walls (store front system) or roofing systems as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (**see attach forms**).
4. 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. Also have Mr. Salley include the required soil bearing capacity which will be needed to support the structures foundation.
5. On the elevation drawing include the total height of the building from the established finished grade to the roofs ridge.
6. Please have Mr. Salley supply the following information: Show all required connectors with uplift rating for the truss system and required number and size of fasteners for continuous tie from the roof to foundation. These connection points shall be designed by an architect or engineer using the engineered roof truss plans.
7. Indicate on the plans the method which will be used to comply with sections 1816 of the Florida Building Code: Termite protection

8. Chapter 13 energy efficiency codes for building construction Subchapter 13-400 of the Florida Building Code provides three methods by which commercial buildings may be brought into compliance with this code. Please submit the required information on one of the following forms for commercial code compliance using Form 400A-04, Form 400B-04 and Form 400C-04.
9. On the electrical lighting plan show the location of the exit sign lighting along with the emergency backup lighting devices.
10. Show the method of compliance for sections 717.4.3 of the FBC-2004:
Draftstopping shall be installed in attics and concealed roof spaces, such that any horizontal area does not exceed 3,000 square feet (279 m²). Also show the method to be used for materials which may penetrate through the draftstopping area.

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

PRODUCT APPROVAL SPECIFICATION SHEET**Location:** _____**Project Name:** _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

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: S&S FOOD STORE

Project: S&S FOOD STORE # 28

Owner: Enter Owner's name here

Address: Enter Address here

41/441

City: LAKE CITY

State: FL.

Zip: 0

PermitNo: 0

Storeys: 1

Type: Retail (mercantile)

GrossArea: 4476

Class: New Finished building

Net Area: 4476

Max Tonnage: 15 (if different, write in)

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Use	67.55	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.

COMPLIANCE CERTIFICATION:

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Efficiency Code.

PREPARED BY: COBURN & ASSOCIATE

DATE: 12-02-03

I hereby certify that this building is in compliance with the Florida Energy Efficiency Code.

OWNER AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: _____

DATE: _____

If required by Florida law, I hereby certify (*) that the system design is in compliance with the Florida Energy Code.

**REGISTRATION
No.**

ARCHITECT :

ELECTRICAL SYSTEM DESIGNER:	COBURN & ASSOCIATES	32820
------------------------------------	--------------------------------	--------------

LIGHTING SYSTEM DESIGNER:	COBURN & ASSOCIATES	32820
----------------------------------	--------------------------------	--------------

MECHANICAL SYSTEM DESIGNER:	COBURN & ASSOCIATES	32820
------------------------------------	--------------------------------	--------------

PLUMBING SYSTEM DESIGNER:	COBURN & ASSOCIATES	32820
----------------------------------	--------------------------------	--------------

(*) Signature is required where Florida Law requires design to be performed by registered design professionals.
Typed names and registration numbers may be used where all relevant information is contained on signed/sealed plans.

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail (mercantile)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONV)

Whole Building Compliance

	Design	Reference
Total	67.55	100.00
ELECTRICITY	67.55	100.00
AREA LIGHTS	17.22	42.36
PUMPS & MISC	0.04	0.04
SPACE COOL	21.63	28.94
VENT FANS	28.66	28.66

Credits & Penalties (if any): Modified Points: = 67.55

PASSES

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail (mercantile)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONV)

Other Envelope Requirements

Item	Zone	Description	Design	Limit	Meet Req.
S&S ROOF	S&S	Exterior Roof - Max Uo Limit	0.05	0.09	Yes
Meets Other Envelope Requirements					

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail (mercantile)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONV)

External Lighting Compliance

Description	Category	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Exit (with or without Canopy)	25.00	950.0	23,750	2,925

Design: 2925 (W)

Allowance: 23750 (W)

PASSES

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail (mercantile)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONV)

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	No. of Tasks	Design CP	Min CP	Compli- ance
SALES AREA	98	Retail Establishments (Merchandising & Circulation Area) Applicable to all lighting, including accen	3,126	1	1	1	PASSES
WOMENS RR	13	Toilet and Washroom	140	1	1	1	PASSES
MENS RR	13	Toilet and Washroom	132	1	1	1	PASSES
CORRIDOR 102	2	Corridor	61	1	1	1	PASSES
MECHANICAL	4	Electrical Mechanical Equipment Room - General	126	1	1	1	PASSES
STOCK RM	46	Storage & Warehouse - Fine Active Storage	226	1	1	1	PASSES
COOLER 107	45	Storage & Warehouse - Bulky Active Storage	540	1	1	1	PASSES
COOLER 108	45	Storage & Warehouse - Bulky Active Storage	125	1	1	1	PASSES

PASSES

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail (mercantile)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONV)

System Report Compliance

AH-1	System 3	Constant Volume Packaged System	No. of Units 1
-------------	-----------------	--	--------------------------

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Cooled 135000 to 760000 Btu/h Cooling Capacity		9.00	8.50	9.40	7.50	PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.80			PASSES

PASSES

Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
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None

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail (mercantile)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONV)

Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Storage Water Heater - Electric	<=120 [gal] & <= 12 [kW]	0.98	0.88			PASSES

PASSES

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail (mercantile)
Location: LAKE CITY,

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
Domestic and Service Hot Water Systems	0.25	False	105.00	0.28	1.50	1.50	PASSES

PASSES

Project: S&S FOOD STORE
Title: S&S FOOD STORE # 28
Type: Retail (mercantile)
Location: LAKE CITY,

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Infiltration	406.1	Infiltration Criteria have been met	☒
System	407.1	HVAC Load sizing has been performed	☒
Ventilation	409.1	Ventilation criteria have been met	☒
ADS	410.1	Duct sizing and Design have been performed	☒
T & B	410.1	Testing and Balancing will be performed	☒
Electrical	413.1	Metering criteria have been met	☒
Motors	414.1	Motor efficiency criteria have been met	☒
Lighting	415.1	Lighting criteria have been met	☒
O & M	102.1	Operation/maintenance manual will be provided to owner	☒
Roof/Ceil	404.1	R-19 for Roof Deck with supply plenums beneath it	☒
Report	101	Input Report Print-Out from EnergyGauge FlaCom attached?	☒

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22

INPUT DATA REPORT

Project Information

Project Name: S&S FOOD STORE

Orientation: North

Project Title: S&S FOOD STORE # 28

Building Type: Retail (mercantile)

Address: 41/441

Building Classification: New Finished building

Enter Address here

State: FL.

No.of Storeys: 1

Zip: 0

GrossArea: 4476

Owner: Enter Owner's name here

Zones

No	Acronym	Description	Type	Load Profile	Area [sf]	Multiplier	Total Area [sf]
1	S&S	Zone 1	CONDITIONED	Retail	4476.3	1	4476.3

☐

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]
----	---------	-------------	------	---------------	---------------	----------------	----------------	--------------------	----------------------

In Zone: S&S									
1	SALES AREA Zo0Sp1	Retail Establishments (Merchandising & Circulation Area) Applicable to all lighting, including accen	1.00	3126.00	13.00	1	3126.0	40638.0	☐
2	WOMENS R Zo0Sp2	Toilet and Washroom	1.00	140.00	13.00	1	140.0	1820.0	☐
3	MENS RR Zo0Sp3	Toilet and Washroom	8.25	16.00	13.00	1	132.0	1716.0	☐
4	CORRIDOR 1 Zo0Sp4	Corridor	4.50	13.50	13.00	1	60.8	789.8	☐
5	MECHANIC Zo0Sp5	Electrical Mechanical Equipment Room - General	10.17	12.42	13.00	1	126.3	1642.0	☐
6	STOCK RM Zo0Sp6	Storage & Warehouse - Fine Active Storage	10.17	22.25	13.00	1	226.3	2941.7	☐
7	COOLER 107 Zo0Sp7	Storage & Warehouse - Bulky Active Storage	1.00	540.00	13.00	1	540.0	7020.0	☐
8	COOLER 108 Zo0Sp8	Storage & Warehouse - Bulky Active Storage	1.00	125.00	13.00	1	125.0	1625.0	☐

Lighting

No	Type	Power [W]	Control Type	No. of Ctrl pts	
In Zone: S&S					
In Space: 1	SALES AREA Recessed Fluorescent - No vent	5737.00	Exception for One fixture or ballast	1	☐
In Space: 1	WOMENS RR Recessed Fluorescent - No vent	128.00	Exception for One fixture or ballast	1	☐
In Space: 1	MENS RR Recessed Fluorescent - No vent	128.00	Exception for One fixture or ballast	1	☐
In Space: 1	CORRIDOR 102 Recessed Fluorescent - No vent	128.00	Exception for One fixture or ballast	1	☐
In Space: 1	MECHANICAL Recessed Fluorescent - No vent	128.00	Exception for One fixture or ballast	1	☐
In Space: 1	STOCK RM Recessed Fluorescent - No vent	384.00	Exception for One fixture or ballast	1	☐

In Space: COOLER 107				
1	Recessed Fluorescent - No vent	600.00	Exception for One fixture or ballast	1 ☐
In Space: COOLER 108				
1	Recessed Fluorescent - No vent	200.00	Exception for One fixture or ballast	1 ☐

Walls

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]
In Zone: S&S											
1	Pr0Z01Wa1	5/8" stucco /8"CMU/3/4"ISO BTWN24" oc/.5" Gyp	75.50	13.00	1	981.5	East	0.2067	5.7314	34.65	4.84 ☐
2	Pr0Z01Wa2	5/8" stucco /8"CMU/3/4"ISO BTWN24" oc/.5" Gyp	12.50	13.00	1	162.5	NorthEast	0.2067	5.7314	34.65	4.84 ☐
3	Pr0Z01Wa3	5/8" stucco /8"CMU/3/4"ISO BTWN24" oc/.5" Gyp	12.50	13.00	1	162.5	SouthEast	0.2067	5.7314	34.65	4.84 ☐
4	Pr0Z01Wa4	5/8" stucco /8"CMU/3/4"ISO BTWN24" oc/.5" Gyp	42.33	13.00	1	550.3	North	0.2067	5.7314	34.65	4.84 ☐
5	Pr0Z01Wa5	5/8" stucco /8"CMU/3/4"ISO BTWN24" oc/.5" Gyp	42.33	13.00	1	550.3	South	0.2067	5.7314	34.65	4.84 ☐
6	Pr0Z01Wa6	5/8" stucco /8"CMU/3/4"ISO BTWN24" oc/.5" Gyp	93.00	13.00	1	1209.0	West	0.2067	5.7314	34.65	4.84 ☐

Windows

No	Description	Type	Shaded	UCen	SC	Vis.Tr	W	H (Effec)	Multi	Total Area
				[Btu/hr sf F]			[ft]	[ft]	plier	[sf]
In Zone: S&S										
In Wall: EAST WALL										
1	Pr0Z01W1W1	SINGLE CLEAR	No	1.0018	0.95	0.88	68.50	9.00	1	616.5
										☐
In Wall: NORTH EAST WALL										
1	Pr0Z01W2W1	SINGLE CLEAR	No	1.0018	0.95	0.88	12.00	9.00	1	108.0
										☐
In Wall: SOUTH EAST WALL										
1	Pr0Z01W3W1	SINGLE CLEAR	No	1.0018	0.95	0.88	12.00	9.00	1	108.0
										☐

Doors

No	Description	Type	Shaded?	Width	H (Effec)	Multi	Area	Cond.	Dens.	Heat Cap.	R-Value
				[ft]	[ft]	plier	[sf]	[Btu/hr. sf. F]	[lb/cf]	[Btu/sf. F]	[h.s.f.F/Btu]

In Zone:

In Wall:

☐

Roofs

No	Description	Type	Width	H (Effec)	Multi	Area	Tilt	Cond.	Heat Cap	Dens.	R-Value
			[ft]	[ft]	plier	[sf]	[deg]	[Btu/hr. Sf. F]	[Btu/sf. F]	[h.s.f.F/Btu]	

In Zone: S&S

1	Pr0Z01Rf1	Mtl Bldg Roof/R-19 Batt	1119.00	4.00	1	4476.0	0.00	0.0492	1.34	9.49	20.34
											☐

Skylights

No	Description	Type	UCen	Shading	Vis.Trans	W	H (Effec)	Multiplier	Area	Total Area
			[Btu/hr sf F]	Coeff		[ft]	[ft]		[SF]	[SF]

In Zone:
In Roof:

☐

Floors

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.s.f./Btu]
In Zone: S&S										
1	ProZoilFI	Concrete floor, carpet and rubber pad	1119.00	4.00	1	4476.0	0.5987	9.33	140.00	1.67
										☐

Systems

AH-1	System 3	Constant Volume Packaged System	No. Of Units	1
Component	Category	Capacity	Efficiency	IPLV
1	Cooling System (Air Cooled 135000 to 760000 Btu/h Cooling Capacity)	180000.00	9.00	9.40
2	Air Handling System-Supply (Air Handler (Supply) - Constant Volume)	6000.00	0.80	

Plant

Equipment	Category	Size	Inst.No	Eft.	IPLV

Water Heaters

W-Heater Description	Capacit Cap.Unit	I/P Rt.	Efficienc	Loss
1 Storage Water Heater - Electric	40 Gal	5 [kW]	0.9800 [EF]	[%/hr]
				☐

Ext-Lighting

Description	Categories.	Area/Len/No. of units [sf/ft/No]	Wattage [W]
1 Ext Light 1	Exit (with or without Canopy)	950.00	2925.00
			☐

Piping

No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?
1	Domestic and Service Hot Water Systems	105.00	0.28	0.25	1.50	No
						☐

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
							☐

Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]
18	Mat118	2 in. Wood	No	2.3857	0.1670	0.0700	37.00	0.3900
264	Mat264	ALUMINUM, 1/16 IN	No	0.0002	0.0050	26.0000	480.00	0.1000
214	Mat214	POLYSTYRENE, EXP., 1-1/4IN,	No	5.2100	0.1042	0.0200	1.80	0.2900
187	Mat187	GYP OR PLAS BOARD, 1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000
								☐

206	Mat1206	CELLULOSE,FILL,5.5IN,R-20	No	20.8318	0.4583	0.0220	3.00	0.3300	☐
151	Mat1151	CONC HW, DRD, 140LB, 4IN	No	0.4403	0.3333	0.7570	140.00	0.2000	☐
178	Mat1178	CARPET W/RUBBER PAD	Yes	1.2300					☐
265	Mat1265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000	☐
48	Mat148	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	☐
123	Mat1123	CONC BLOCK	No	1.7227	0.6667	0.3870	53.00	0.2000	☐
159	Mat1159	MW,8IN,HOLLOW CONC	No	0.3202	0.3333	1.0410	140.00	0.2000	☐
57	Mat157	HW-UNDRD-140LB-4IN	No	0.1488		0.4200	100.00	0.2000	☐
72	Mat172	3/4 in. Plaster or gypsum AIR LAYER, 3/4IN OR LESS, VERT. WALLS	Yes	0.9000	0.0625				☐
267	Mat1267	0.75" stucco	No	0.1563	0.0625	0.4000	16.00	0.2000	☐
266	Mat1266	2x4@16" oc + R11 Batt	No	8.3343	0.2917	0.0350	9.70	0.2000	☐
215	Mat1215	POLYSTYRENE, EXP., 2IN,	No	8.3350	0.1667	0.0200	1.80	0.2900	☐
105	Mat1105	CONC BLK HW, 8IN, HOLLOW	No	1.1002	0.6667	0.6060	69.00	0.2000	☐
256	Mat1256	WOOD, SOFT, 1-1/2IN	No	1.8939	0.1250	0.0660	32.00	0.3300	☐
268	Mat1268	0.625" stucco	No	0.1302	0.0521	0.4000	16.00	0.2000	☐
42	Mat142	8 in. Lightweight concrete block	No	2.0212	0.6670	0.3300	38.00	0.2000	☐
269	Mat1269	.75" ISO BTWN24" oc	No	2.2321	0.0625	0.0280	4.19	0.3000	☐
86	Mat186	BRICK, COMMON, 4IN	No	0.8012	0.3333	0.4160	120.00	0.2000	☐
211	Mat1211	POLYSTYRENE,EXP.,1/2I N,	No	2.0850	0.0417	0.0200	1.80	0.2900	☐
12	Mat112	3 in. Insulation	No	10.0000	0.2500	0.0250	2.00	0.2000	☐
218	Mat1218	POLYURETHANE,EXP.,1/2 IN,	No	3.2077	0.0417	0.0130	1.50	0.3800	☐
23	Mat123	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	☐
4	Mat14	Steel siding	No	0.0002	0.0050	26.0000	480.00	0.1000	☐
271	Mat1271	2x4@24" oc + R11 Batt	No	10.4179	0.2917	0.0280	7.11	0.2000	☐
272	Mat1272	Panel with 7/16" panels	Yes	0.9044					☐
273	Mat1273	Hollow core flush (1.375")	Yes	1.2777					☐
274	Mat1274	Solid core flush (1.375")	Yes	1.7141					☐
275	Mat1275	Panel with 7/16" panels (1.375")	Yes	1.0019					☐

276	Mat1276	Hollow core flush (1.75")	Yes	1.3239					☐
277	Mat1277	Panel with 1-1/8" panels (1.75")	Yes	1.7141					☐
278	Mat1278	Solid core flush (1.75")	Yes	1.6500					☐
279	Mat1279	Solid core flush (2.25")	Yes	2.8537					☐
280	Mat1280	Fiberglass/Mineral wool core	Yes	0.8167					☐
281	Mat1281	Paper Honeycomb core	Yes	0.9357					☐
282	Mat1282	Solid Urethane foam core	Yes	1.6500					☐
283	Mat1283	Solid mineral fiberboard core	Yes	1.7816					☐
284	Mat1284	Polystyrene core (18 ga steel) 1	Yes	2.0071					☐
285	Mat1285	Polyurethane core (18 ga steel) 2	Yes	2.5983					☐
286	Mat1286	Polyurethane core (24 ga steel) 1	Yes	2.5983					☐
287	Mat1287	Polyurethane core (24 ga steel) 2	Yes	4.1500					☐
288	Mat1288	Solid Urethane foam core	Yes	4.1500					☐
81	Mat181	ASPHALT-ROOFING, ROLL	Yes	0.1500					☐
244	Mat1244	PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	☐
185	Mat1185	CLAY TILE, PAVER, 3/8IN	No	0.0301	0.0313	1.0410	120.00	0.2000	☐
82	Mat182	ASPHALT-SHINGLE AND SIDING	Yes	0.4400					☐
11	Mat111	2 in. Insulation	No	6.6800	0.1670	0.0250	2.00	0.2000	☐
47	Mat147	2 in. Heavyweight concrete	No	0.1670	0.1670	1.0000	140.00	0.2000	☐
95	Mat195	CONC BLOCK	No	0.7107	0.3333	0.4690	101.00	0.2000	☐
248	Mat1248	HW-4IN-HOLLOW ROOF GRAVEL OR SLAG1/2IN	No	0.0500	0.0417	0.8340	55.00	0.4000	☐
94	Mat194	BUILT-UP ROOFING, 3/8IN	No	0.3366	0.0313	0.0930	70.00	0.3500	☐

Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	R Value [h.sf.F/Btu]																										
1004	Concrete floor, carpet and rubber pad	No	No	0.60	9.33	140.00	1.6703	☐																									
<table><tr><th>Layer</th><th>Material No.</th><th>Material</th><th>Thickness [ft]</th><th>Framing Factor</th></tr><tr><td>1</td><td>151</td><td>CONC HW, DRD, 140LB, 4IN</td><td>0.3333</td><td>0.00</td></tr><tr><td>2</td><td>178</td><td>CARPET W/RUBBER PAD</td><td></td><td>0.00</td></tr></table>									Layer	Material No.	Material	Thickness [ft]	Framing Factor	1	151	CONC HW, DRD, 140LB, 4IN	0.3333	0.00	2	178	CARPET W/RUBBER PAD		0.00										
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1	151	CONC HW, DRD, 140LB, 4IN	0.3333	0.00																													
2	178	CARPET W/RUBBER PAD		0.00																													
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	R Value [h.sf.F/Btu]																										
1011	5/8" stucco /8"CMU/3/4"ISO BTWN24"oc/.5" Gyp	No	No	0.21	5.73	34.65	4.8368	☐																									
<table><tr><th>Layer</th><th>Material No.</th><th>Material</th><th>Thickness [ft]</th><th>Framing Factor</th></tr><tr><td>1</td><td>268</td><td>0.625" stucco</td><td>0.0521</td><td>0.00</td></tr><tr><td>2</td><td>42</td><td>8 in. Lightweight concrete block</td><td>0.6670</td><td>0.00</td></tr><tr><td>3</td><td>269</td><td>.75" ISO BTWN24" oc</td><td>0.0625</td><td>0.00</td></tr><tr><td>4</td><td>187</td><td>GYP OR PLAS BOARD, 1/2IN</td><td>0.0417</td><td>0.00</td></tr></table>									Layer	Material No.	Material	Thickness [ft]	Framing Factor	1	268	0.625" stucco	0.0521	0.00	2	42	8 in. Lightweight concrete block	0.6670	0.00	3	269	.75" ISO BTWN24" oc	0.0625	0.00	4	187	GYP OR PLAS BOARD, 1/2IN	0.0417	0.00
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No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	R Value [h.sf.F/Btu]																										
1047	Mtl Bldg Roof/R-19 Batt	No	No	0.05	1.34	9.49	20.3366	☐																									
<table><tr><th>Layer</th><th>Material No.</th><th>Material</th><th>Thickness [ft]</th><th>Framing Factor</th></tr><tr><td>1</td><td>94</td><td>BUILT-UP ROOFING, 3/8IN</td><td>0.0313</td><td>0.00</td></tr><tr><td>2</td><td>23</td><td>6 in. Insulation</td><td>0.5000</td><td>0.00</td></tr></table>									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										
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																													

Units: U.S. customary (I-P)

Oct 15, 2003

For: S&S FOOD STORE NO. 28

By: COBURN & ASSOCIATES

Job #: 0355

Zone: AH-1

COOLING LOAD

1. DESIGN CONDITIONS		at 6PM	Peak load at 6PM		
Inside:	75 °F	Outside:	92 °F	TD:	13 °F
RH:	50 %	Moisture:	52 gr/lb	Mult:	1.0
				Ins.wb	63 °F
				Sensible	
				Latent	
2. SOLAR RADIATION THROUGH GLASS				80304	-
3. TRANSMISSION GAINS		Sensible		35518	-
Walls:		11514		-	-
Glass:		11325		-	-
Doors:		0		-	-
Partitions:		0		-	-
Floors:		0		-	-
Roofs/Ceilings:		12678		-	-
Return Air Ceiling:		0		-	-
4. INTERNAL HEAT GAIN		Sensible	Latent	36355	11845
Occupants:		5000	4000	-	-
Lights:		25369	0	-	-
Motors:		0	0	-	-
Appliances & Other:		5986	7845	-	-
5. INFILTRATION:	Outside air cfm:		0	0	0
6. SUBTOTAL:	Space load			152177	11845
7. SUPPLY DUCT				0	-
8. SUBTOTAL:	Bldg comp's and supply duct			152177	-
	Actual cfm: 6986 at Supply TD:		20	-	-
9. VENTILATION:	Make-up air cfm:		0	0	0
10. RETURN AIR LOAD:	Lighting & roof (net)			0	-
11. RETURN DUCT				0	-
12. TOTAL LOADS ON EQUIPMENT				152177	11845

HEATING LOAD

13. DESIGN CONDITIONS			Mult:	1.0	
Inside:	70 °F	Outside:	33 °F	TD:	37 °F
14. TRANSMISSION LOSSES					60320
Walls:		18137		-	-
Glass:		33903		-	-
Doors:		0		-	-
Partitions:		0		-	-
Floors:		0		-	-
Roofs/Ceilings:		8281		-	-
Return Air Roof:		0		-	-
15. INFILTRATION:	Outside air cfm:		582	23554	
16. SUBTOTAL:	Building components			83874	
17. SUPPLY DUCT:				0	
18. VENTILATION:	Make-up air cfm:		0	0	
19. HUMIDIFICATION				7208	
20. RETURN DUCT				0	
21. TOTAL HEATING LOAD ON EQUIPMENT				91082	

[Handwritten Signature]
 12-02-03

S/N RNW21500

RIGHT-N SHORT FORM

Oct 15, 2003

Units: U.S. customary (I-P)

Job #: 0355

For: S&S FOOD STORE NO. 28
41/441 SOUTH
LAKE CITY, FL

	Htg	Clg
Outside db	33	92
Inside db	70	75
Design TD	37	13
Daily Range	-	20
Inside Humid.	-	50
Moist. Diff.	-	52
Inside wb	-	63
Outside RH	-	51
Outside wb	-	77

By: COBURN & ASSOCIATES
P.O. BOX 577
HIGH SPRINGS, FL
(904) 454-3748

HEATING EQUIPMENT

COOLING EQUIPMENT

Make	n/a
Model	n/a
Type	n/a
Efficiency / HSPF	0.0
Heating Input	0.0 MBtuh
Heating Output	0.0 MBtuh
Humidifier	0.0 gpd
Leaving Air Temp	0.0 °F
Actual Heating Fan	0 cfm

Make	n/a
Model	n/a
Type	n/a
COP / EER / SEER	0.0
Sensible Cooling	0.0 MBtuh
Latent Cooling	0.0 MBtuh
Total Cooling	0.0 MBtuh
Leaving Air Temp	0.0 °F
Actual Cooling Fan	0 cfm

Equipment Location

ZONE

System Type

n/a

Fan Motor Heat Type

n/a

Fan & Motor Combined Efficiency

0.0 %

Static Pressure Across Fan

0.0 in H2O

NAME	Area ft ²	Heat Loss	Sensible Gain	Latent Gain	Htg cfm	Clg cfm	Time
COOLER 107	540	9502	6495	0	307	307	6PM
COOLER 108	125	2050	1506	0	70	70	6PM
CORRIDOR 102	61	1507	1250	0	57	57	6PM
GENERAL SALES 100	3126	68026	130412	4000	5960	5960	6PM
MECHANICAL RM 105	126	2044	1419	0	69	69	6PM
MENS RR 103	132	2995	1851	0	86	86	6PM
O.A. COMPONET	0	0	5346	7845	244	244	6PM
STOCK RM 106	226	3653	3064	0	148	148	6PM
WOMENS RR 104	140	1306	833	0	45	45	6PM
AH-1	4476	91082	152177	11845	6986	6986	6PM



**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:

S&S FOOD STORES
134 SE COLBURN AVENUE
LAKE CITY, FL 32025

PERMIT NUMBER: ERP04-0567

DATE ISSUED: 01/05/2005

DATE EXPIRES: 01/05/2008

COUNTY: COLUMBIA

TRS: S17/T4S/R17E

PROJECT: S&S FOOD STORE #28

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

LESTER SCAFF
S&S FOOD STORES
134 SE COLBURN AVENUE
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 0.99 acres of impervious surface on a total project area of 3.13 acres in a manner consistent with the application package submitted by Bailey, Bishop and Lane, Inc., certified on December 21, 2004.

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.

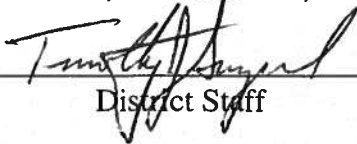
29. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements 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.

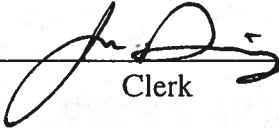
WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT, THE PERMITTEE SHALL NOTIFY THE DISTRICT, IN WRITING, THAT THE FACILITIES ARE COMPLETE.

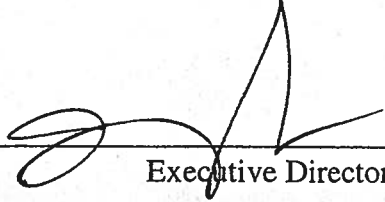
Approved by


District Staff

Date Approved

1/4/05


Clerk


Executive Director



**SUWANNEE
RIVER
WATER
MANAGEMENT
DISTRICT**

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

Dear Permittee:

Enclosed is your approved Environmental Resource Permit. Based on the activity described in your application, Suwannee River Water Management District (District) staff has reasonable assurance that the proposed construction meets conditions for issuance, provided you follow the permit conditions and your stated activity.

Be aware of the location of underground utilities before starting excavation.

If you wish, we will visit with you on site to discuss the terms of the permit, review existing pre-construction conditions, and answer any questions you may have prior to beginning work. If you would like to schedule a pre-construction meeting, please contact Resource Management staff at 386.362.1001 or 800.226.1066.

Sincerely,

Resource Management Staff



SECTION A

**SURFACEWATER MANAGEMENT SYSTEM INFORMATION,
NOTICE OF COMPLETION OF CONSTRUCTION, AND
REQUEST FOR TRANSFER TO OPERATION AND MAINTENANCE
(TO BE COMPLETED BY PERMITTEE)**

PROJECT NAME: _____ **COUNTY:** _____

I hereby notify the District as required by sections 40B-4.1130 and 40B-4.1140, Florida Administrative Code, that construction of the surfacewater management system authorized by permit number _____ issued _____, is complete; and request that the permit be transferred to the approved operation and maintenance entity. I further confirm that the approved operation and maintenance entity indicated in Section B has been furnished instructions attached to Section C as to how the system is to be operated and maintained.

Signature of Permittee

Name (Please print or type)

Date of Notice

Company Name

Mailing Address

City, State, Zip Code

Phone Number

**SUWANNEE RIVER WATER MANAGEMENT DISTRICT
CONSTRUCTION COMMENCEMENT NOTICE**

Suwannee River Water Management district
Department of Resource Management
9225 County Road 49
Live Oak, FL 32060

PROJECT: _____ PHASE: _____

I hereby notify the Suwannee River Water Management District that the construction of the surface water management system authorized by Environmental Resource Permit No. _____ has commenced/is expected to commence on _____, 20____, and will require a duration of approximately _____ months/ _____ weeks/ _____ days to complete. It is understood that should the construction term extend beyond one calendar year from the date of permit issuance, I am obligated to submit the Annual Status Report for Surface Water Management System Construction form number 40B-1.901(20).

Note: If the actual construction commencement date is not known, the District should be so notified in writing in order to satisfy permit conditions.

Type or Print Permittee's or Authorized Agent's Name

Phone

Address

Permittee's or Authorized
Agent's Signature

Title and Company

Date

COLUMBIA AVENUE OF COLUMBIA

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-17-08408-000

Building permit No. 000024447

Use Classification COMMERCIAL BLDG

Fire: 408.00

Permit Holder O'NEAL CONTRACTING

Waste: 0.00

Owner of Building SCAFF INC

Total: 408.00

PER ZANNIE

Location: 3242 S US HIGHWAY 441, LAKE CITY, FL

Date: 12/08/2006

Building Inspector

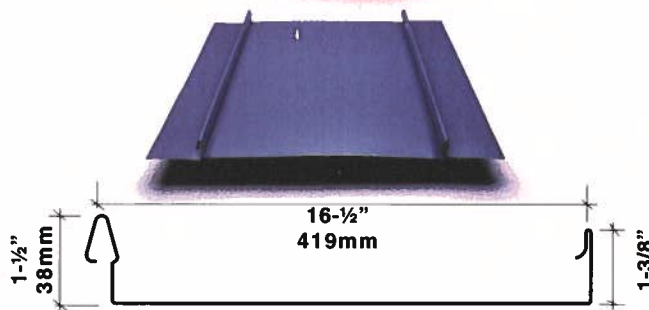
POST IN A CONSPICUOUS PLACE
(Business Places Only)



Berridge Cee-Lock

Snap-Lock Standing Seam Roof

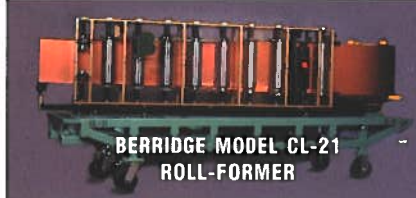
- Spans over open framing or solid substrate
- Easy to install, integral Snap-Lock Seam
- U.L. 90 & U.L. fire resistance listed
- Hidden fasteners
- Continuous length panels
- Patented* vinyl weatherseal (optional)
- ASTM air & water tested
- ASTM E1592 tested



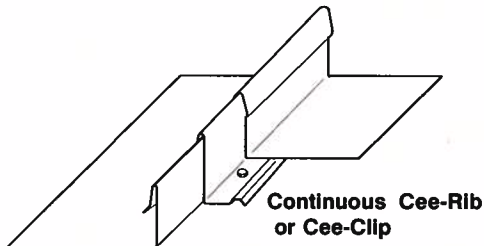
Cee-Lock Panel Cross Section

MAY BE SITE-FORMED IN CONTINUOUS LENGTHS WITH BERRIDGE ROLL-FORMER

OPTIONAL RIGIDIZED PROFILE TEXTURE



BERRIDGE MODEL CL-21
ROLL-FORMER



Continuous Cee-Rib
or Cee-Clip

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

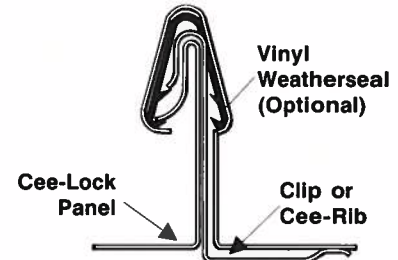


Berridge's Cee-Lock panel can be formed on site in long lengths to provide an attractive and economical roof covering.



Berridge Manufacturing Co.

Integral Snap-Lock Seam
with Patented Vinyl Weatherseal
(required over open framing)



* U.S. Patent No. 4641475

SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.

CEE-LOCK WITH 24 CEE RIB	PANEL CONTINUOUS	dl_x (In ⁴ /ft)	M_A (Ft.-lbs/Ft.)	V_A (Lbs)
POSITIVE BENDING		0.0567	87.0	610
NEGATIVE BENDING		0.0286	61.9	610

RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT Panel Weight = 1.3 p.s.f.

SPAN (Feet)	NET VERTICAL LIVE LOAD			NET VERTICAL WIND UPLIFT		
	1-SPAN	2-SPAN	3-SPAN	1-SPAN	2-SPAN	3-SPAN
2' - 0	60	60	60	90	90	90
2' - 6	60	60	60	80	90	90
3' - 0	60	53	60	55	90	60
3' - 6	55	38	45	40	74	63
4' - 0	42	29	34	30d	57	55d
4' - 6	33	23	27	20d	45	39d
5' - 0	27	18	21	15d	36	28d

NOTES

1. All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2. Wind Load Allowables increased by 33%.
3. Resists 250 Lbs Point Load without structural failure at center of pan, however, foot traffic on panels during or after installation can cause deformations which may lead to aesthetic failure.
4. Values based on 1986 edition of AISI, March 1987 printing & good engineering practice.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Cee-Lock Standing Seam Roof Panel as manufactured by Berridge Manufacturing Co., Houston, Texas.

MANUFACTURE:

Panels shall be roll-formed in continuous (Maximum 40') lengths (unlimited if formed on-site with the Berridge CL-21 Portable Roll-Former.) Seam spacing to be 16-1/2" on center. Where required, panel assembly shall be Underwriters Laboratory UL 90, pursuant to Construction Numbers 334, 381 & 404. Approved for combined UL 90 and UL Fire-Rated requirements.

MATERIAL AND FINISH:

See Berridge Standard Color Guide




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11:12:48 AM 2/2/200

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Licensee Details

Licensee Information

Name: O'NEAL, JOHN WINSTON (Primary Name)
O'NEAL CONTRACTING INC (DBA Name)
Main Address: PO BOX 2166
 LAKE CITY Florida 32056
County: COLUMBIA

License Mailing:

License Location: 818 HICKORY LANE
 LAKE CITY FL 32025
County: COLUMBIA

License Information

License Type: Certified Building Contractor
Rank: Cert Building
License Number: CBC057550
Status: Current, Active
Licensure Date: 02/22/1996
Expires: 08/31/2006

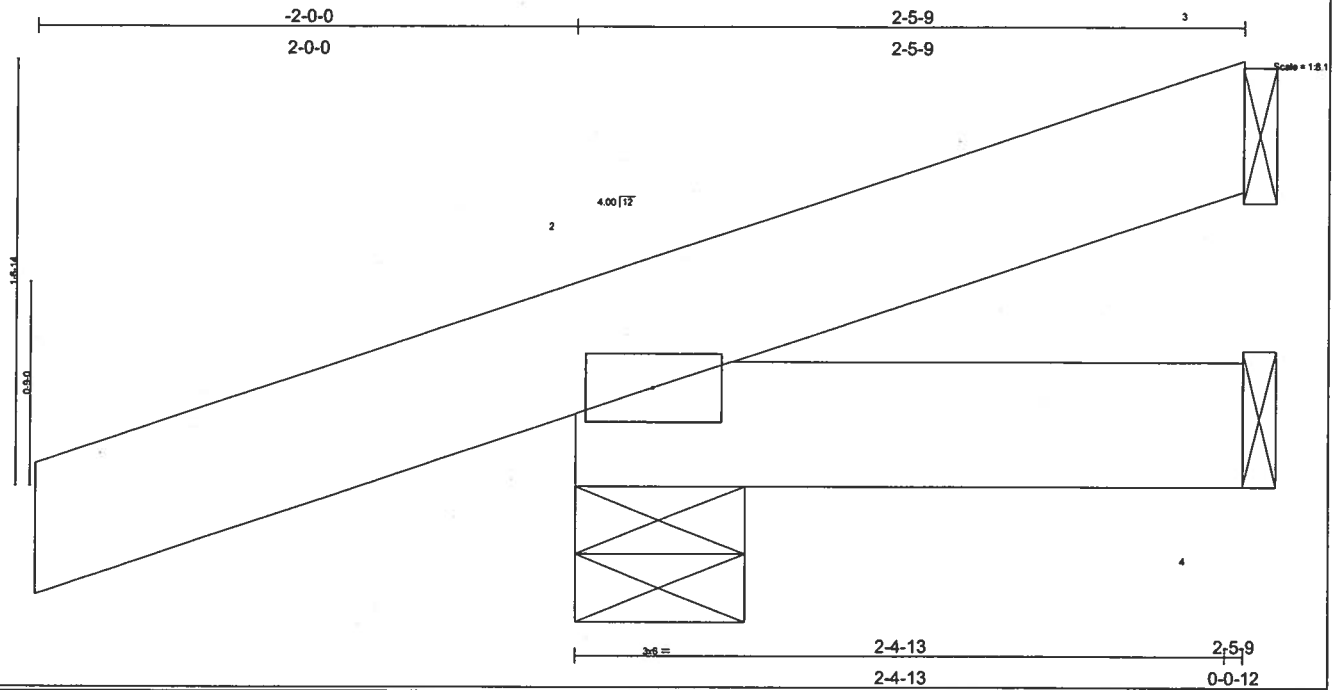
Special Qualifications	Qualification Effective
Bldg Code Core Course Credit	
Qualified Business License Required	02/20/2004

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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	CJ2	MONO TRUSS	4	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 06:07:37 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.01	Vert(TL)	-0.00	2	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TP12002								
								Weight: 17 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-5-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 3=13/Mechanical, 2=282/0-7-8, 4=31/Mechanical
 Max Horz 2=75(load case 3)
 Max Uplift 3=13(load case 1), 2=224(load case 3)
 Max Grav 3=22(load case 7), 2=282(load case 1), 4=31(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-58/9
 BOT CHORD 2-4=0/0

NOTES

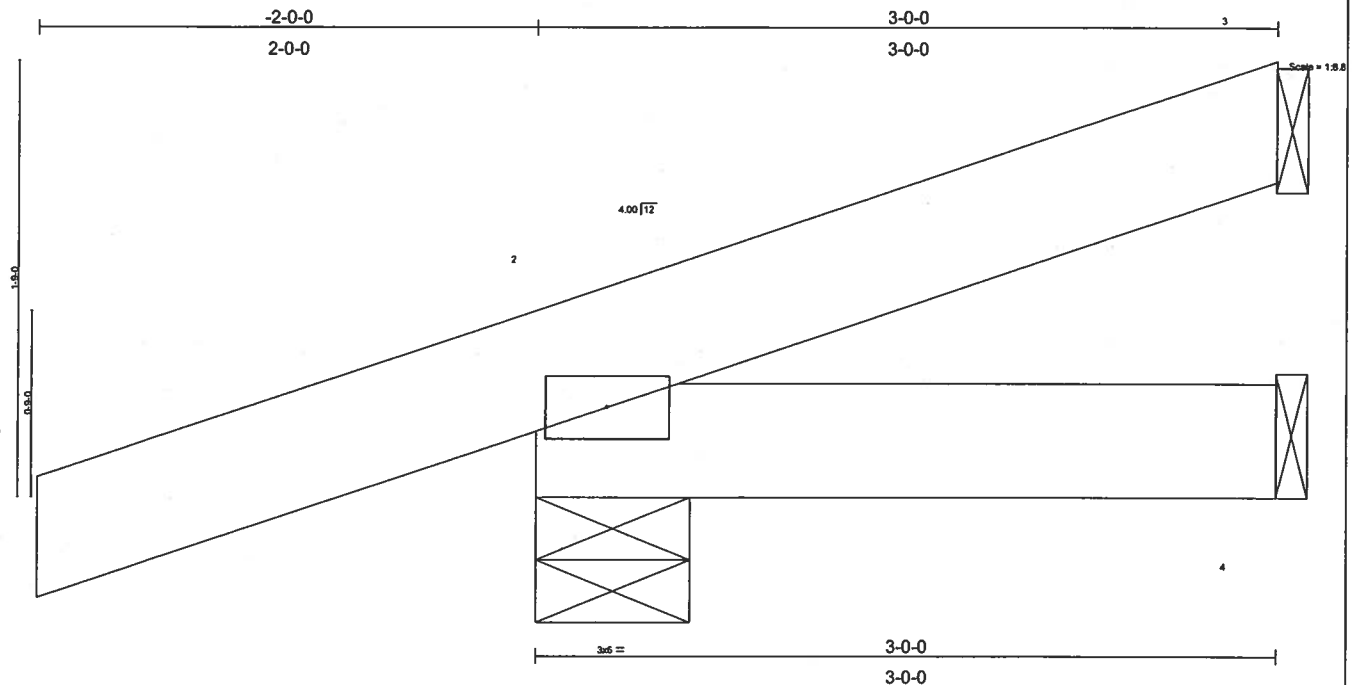
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 3 and 224 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	CJ3	MONO TRUSS	4	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 06:07:37 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.10	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCCL 7.0	Lumber Increase 1.25	BC 0.02	Vert(TL)	-0.00	2	>999	180		
BCCL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
								Weight: 20 lb	

LUMBER
 TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3'-0" oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

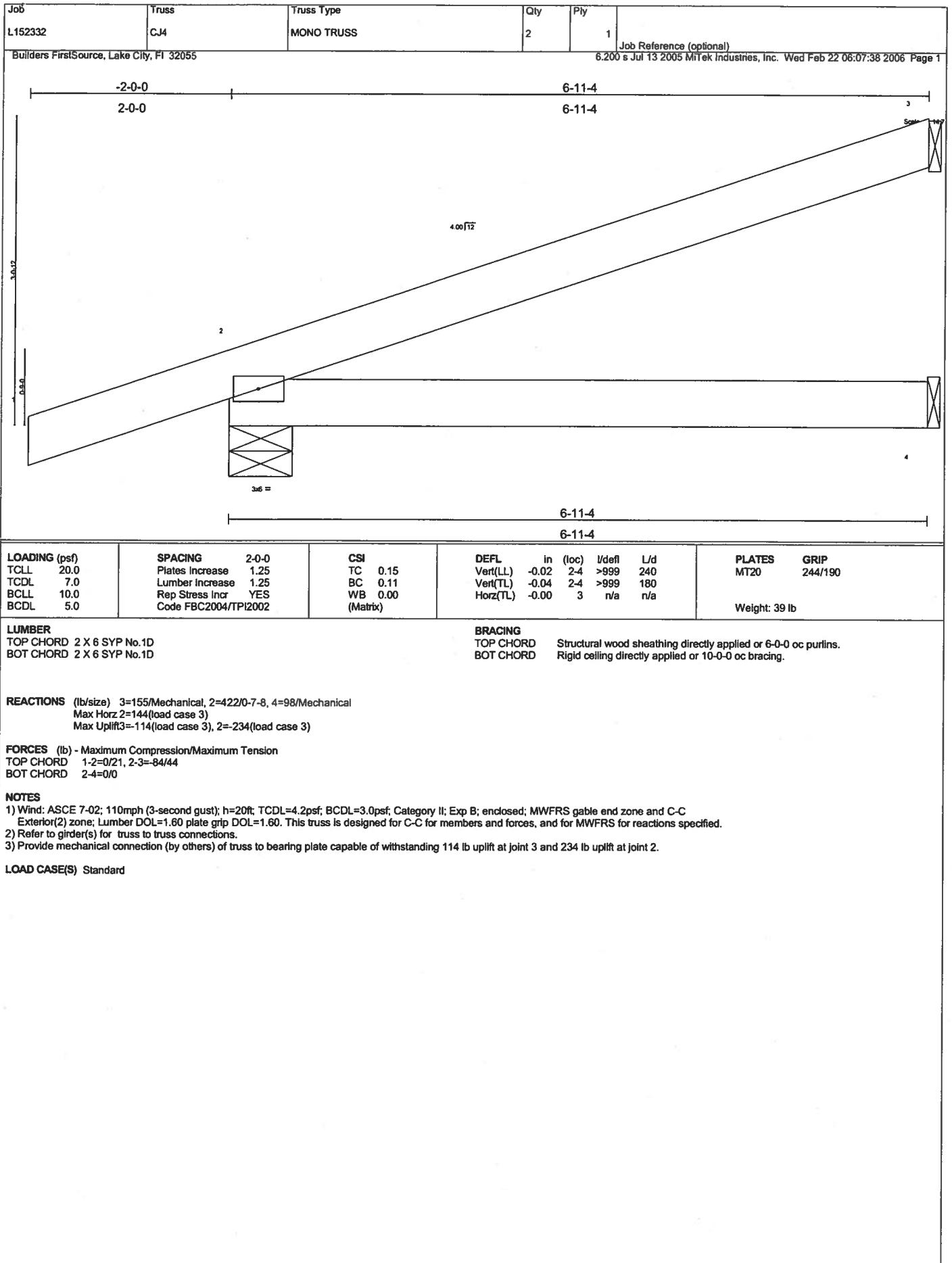
REACTIONS (lb/size) 3=16/Mechanical, 2=290/0-7-8, 4=39/Mechanical
 Max Horz 2=83(load case 3)
 Max Uplift 3=23(load case 6), 2=217(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/21, 2-3=-54/2
 BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 3 and 217 lb uplift at joint 2.

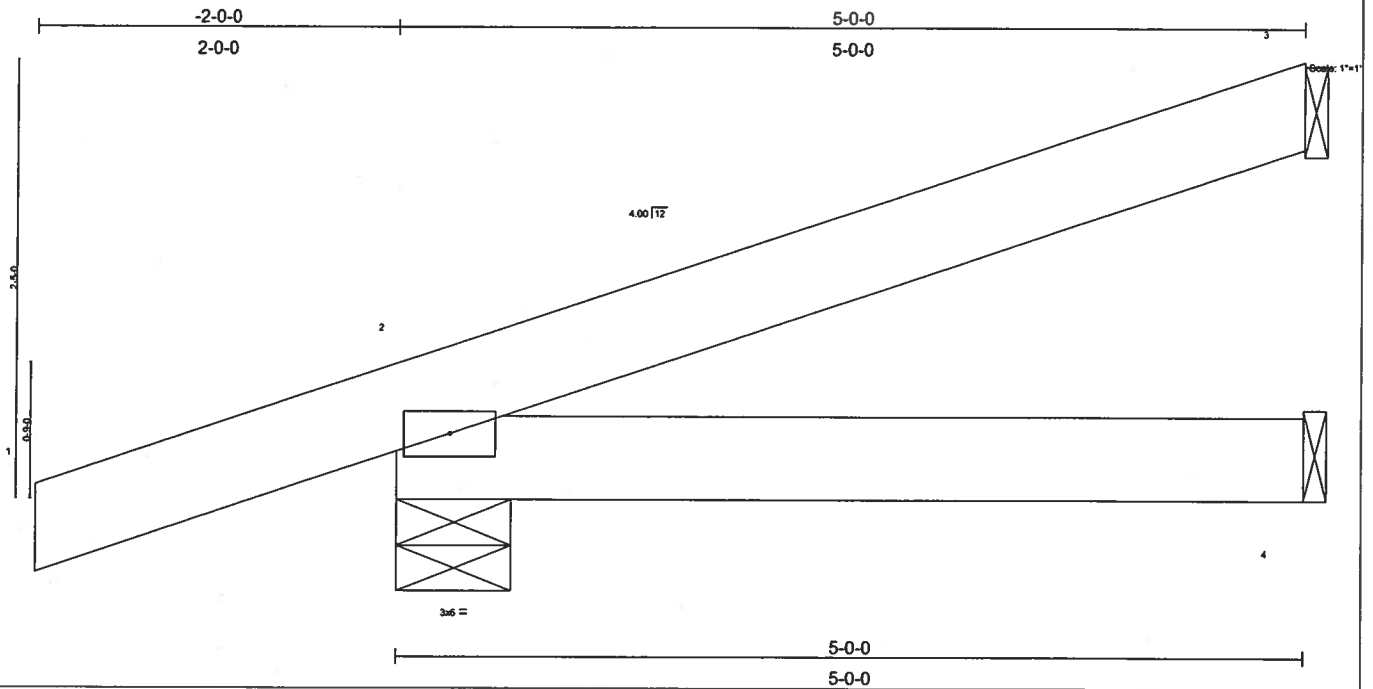
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	CJ5	MONO TRUSS	4	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Feb 22 06:07:38 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.10	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.05	Vert(LL) -0.01 2-4 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.01 2-4 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TPI2002				Weight: 29 lb

LUMBER
 TOP CHORD 2 X 6 SYP No.10
 BOT CHORD 2 X 6 SYP No.10

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5'-0" oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (lb/size) 3=94/Mechanical, 2=350/0-7-8, 4=69/Mechanical
 Max Horz 2=114(load case 3)
 Max Uplift 3=72(load case 3), 2=218(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/21, 2-3=63/26
 BOT CHORD 2-4=0/0

NOTES

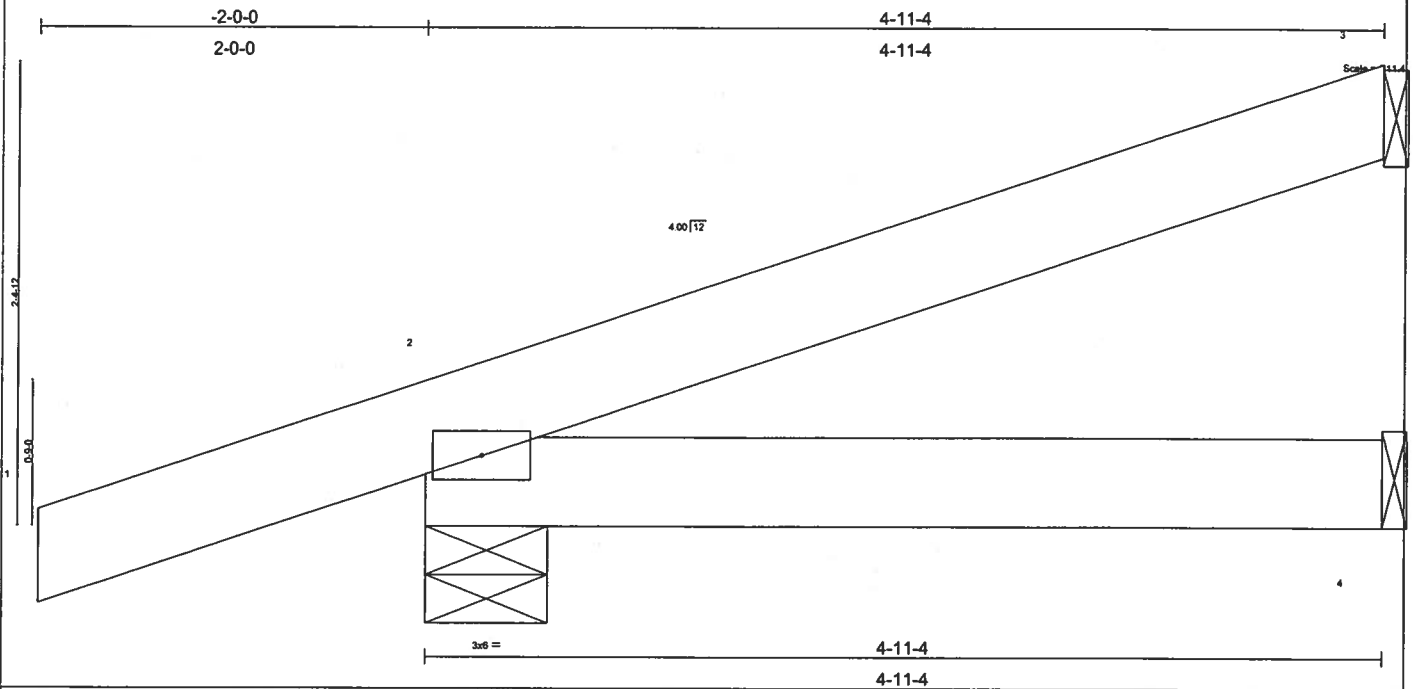
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 3 and 218 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
L152332	CJ6	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Feb 22 06:07:39 2006 Page 1



LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.10	Vert(LL) -0.01	2-4	>999	240	MT20	244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.05	Vert(TL) -0.01	2-4	>999	180		
BCLL 10.0		Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00	3	n/a	n/a		
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)					Weight: 29 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 4-11-4 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=91/Mechanical, 2=348/0-7-8, 4=68/Mechanical
Max Horz 2=113(load case 3)
Max Uplift 3=70(load case 3), 2=-218(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=-62/26
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 3 and 218 lb uplift at joint 2.

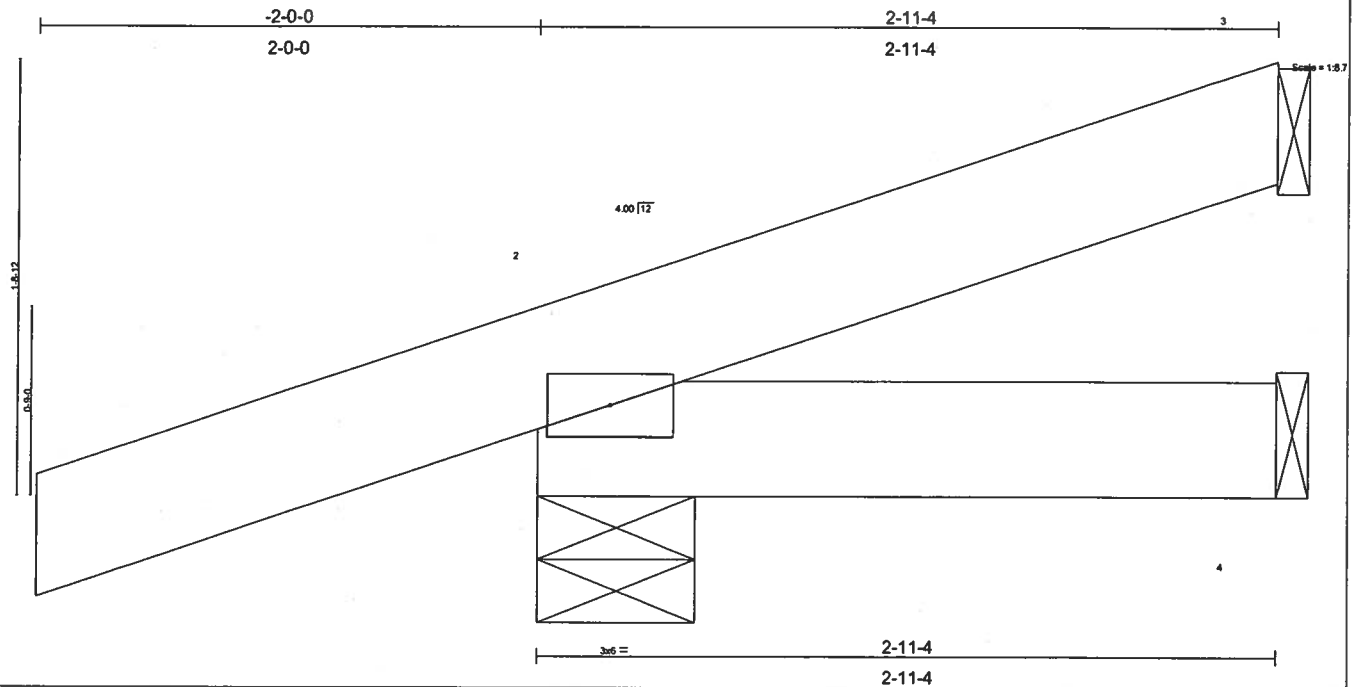
LOAD CASE(S) Standard

FEBRUARY 24, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 58877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	CJB	MONO TRUSS	2	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Feb 22 06:07:40 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.02	Vert(LL) -0.00 2 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.00 2 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TPI2002			Weight: 19 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=13/Mechanical, 2=289/0-7-8, 4=38/Mechanical
Max Horz 2=82(load case 3)
Max Uplift 3=21(load case 6), 2=217(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=55/3
BOT CHORD 2-4=0/0

NOTES

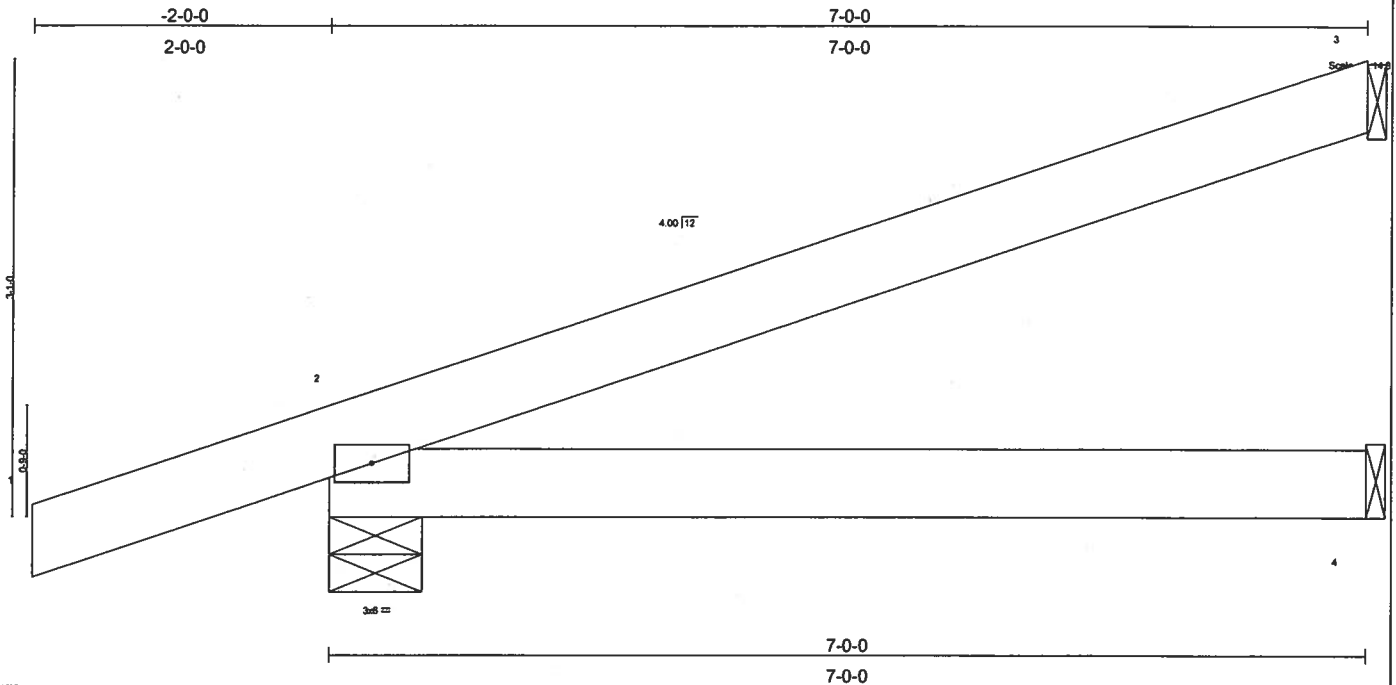
- 1) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 3 and 217 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	EJ7	MONO TRUSS	36	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MITek Industries, Inc. Wed Feb 22 06:07:40 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.15	Vert(LL)	-0.02	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.11	Vert(TL)	-0.04	2-4	>999	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
								Weight: 39 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (lb/size) 3=157/Mechanical, 2=425/0-7-8, 4=99/Mechanical
 Max Horz 2=145(load case 3)
 Max Uplift 3=-115(load case 3), 2=-235(load case 3)

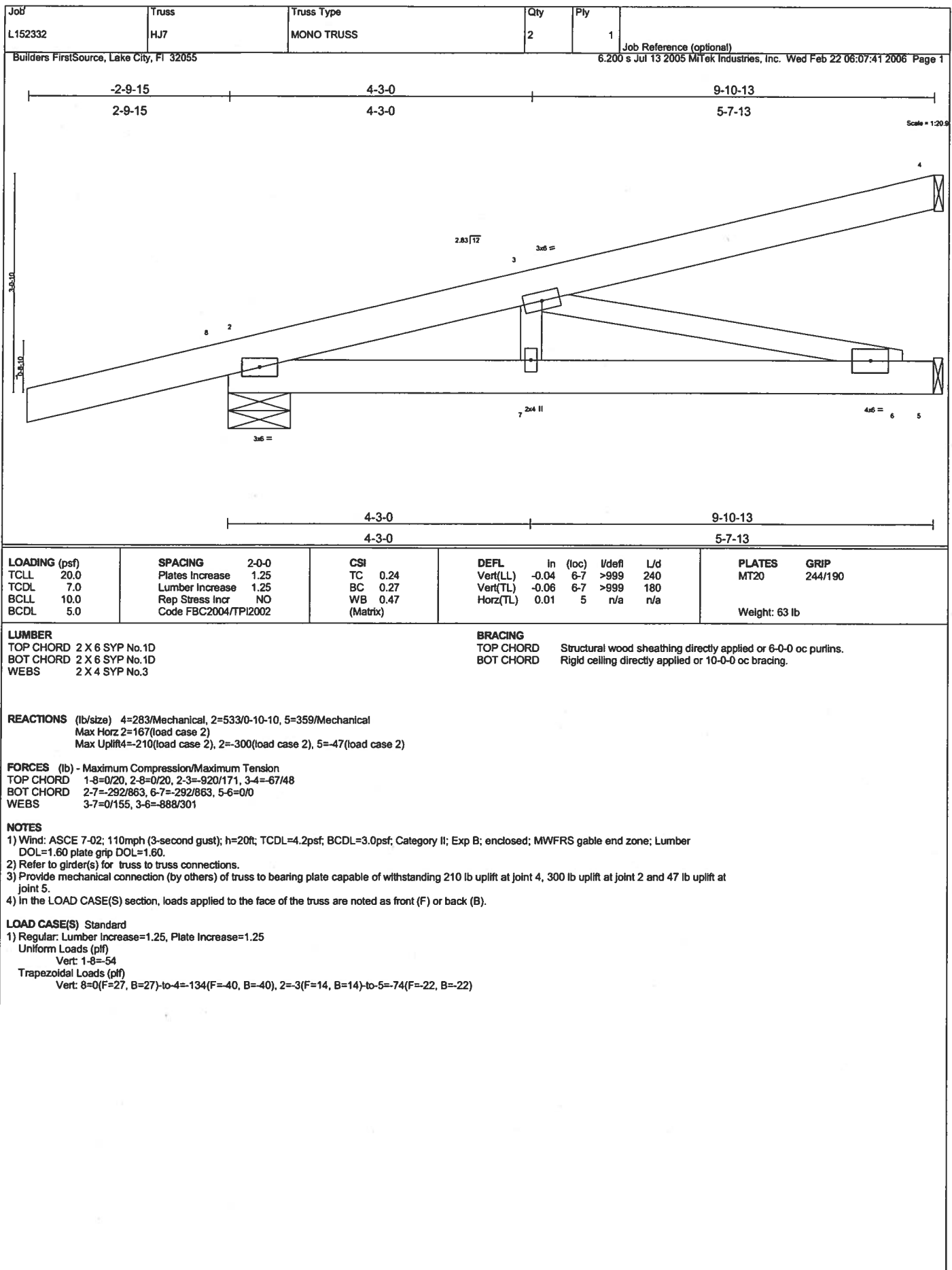
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-85/44
 BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 115 lb uplift at joint 3 and 235 lb uplift at joint 2.

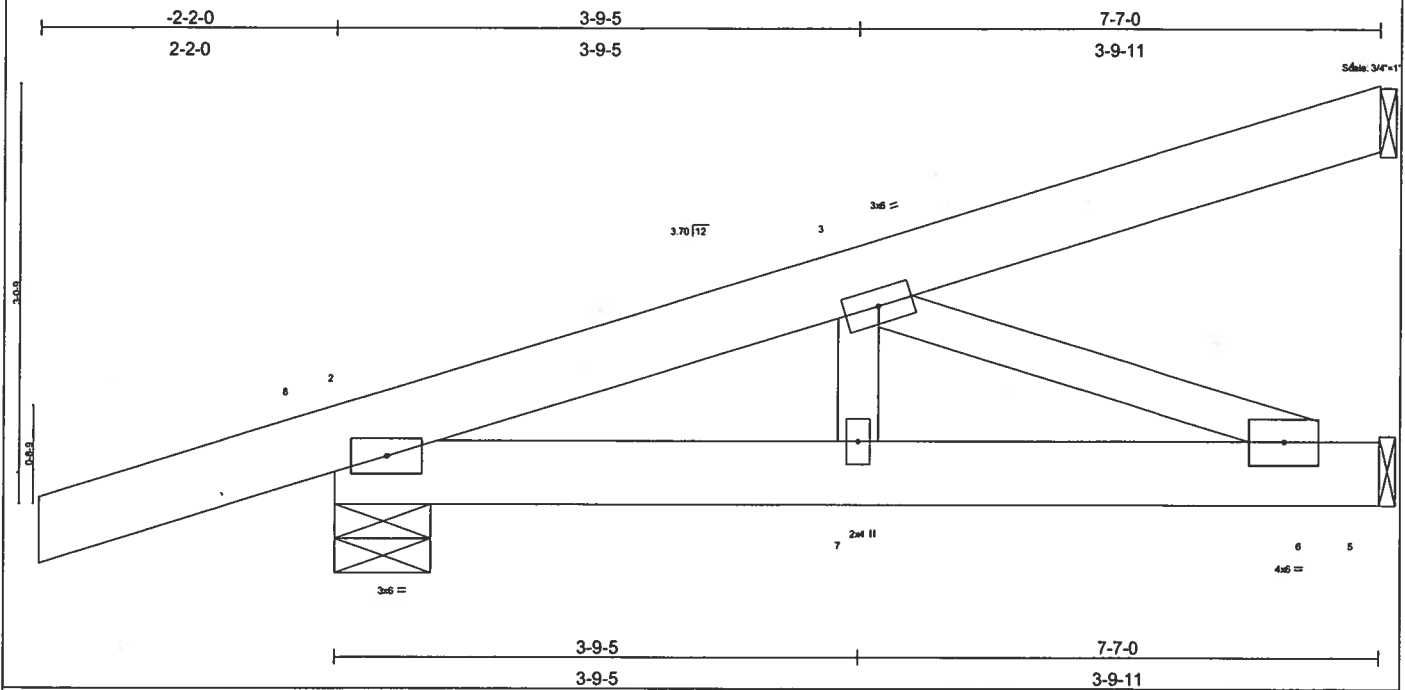
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	HJ8	MONO TRUSS	2	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 06:07:41 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.12	Vert(LL)	-0.01	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.11	Vert(TL)	-0.01	6-7	>999	180		
BCLL 10.0	Rep Stress Incr NO	WB 0.10	Horz(TL)	0.00	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
								Weight: 48 lb	

LUMBER
 TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D
 WEBS 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=152/Mechanical, 2=349/0-8-2, 5=215/Mechanical
 Max Horz 2=134(load case 2)
 Max Uplift 4=117(load case 2), 2=-202(load case 2), 5=-34(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-8=0/20, 2-8=0/20, 2-3=-383/23, 3-4=-48/34
 BOT CHORD 2-7=-112/337, 6-7=-112/337, 5-6=0/0
 WEBS 3-7=0/95, 3-6=-365/121

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 4, 202 lb uplift at joint 2 and 34 lb uplift at joint 5.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-8=-54
 Trapezoidal Loads (plf)
 Vert: 8=0(F=27, B=27)-to-4=-102(F=-24, B=-24), 2=-3(F=14, B=14)-to-5=-57(F=-13, B=-13)

Job L152332	Truss T01	Truss Type CAL	Qty 2	Ply 3	Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 06:07:42 2006 Page 1

2-0-0	3-7-12	7-0-0	12-6-11	17-11-10	23-4-10	28-9-9	34-2-8	39-9-3	44-6-14	49-8-0	52-5-15
2-0-0	3-7-12	3-4-4	5-6-11	5-4-15	5-4-15	5-4-15	5-4-15	5-6-11	4-9-10	5-1-2	2-9-15

Scale = 1/30.4

3-7-12	7-0-0	12-6-11	17-11-10	23-4-10	28-9-9	34-2-8	39-9-3	44-6-14	49-8-0
3-7-12	3-4-4	5-6-11	5-4-15	5-4-15	5-4-15	5-4-15	5-6-11	4-9-10	5-1-2

Plate Offsets (X,Y): [4:0-6-0,0-3-8], [17:0-3-8,0-6-0], [20:0-5-0,0-6-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.27	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.35	Vert(LL) -0.81 18-19 >730 240		
BCLL 10.0	Rep Stress Incr NO	WB 0.61	Vert(TL) -1.29 18-19 >456 180		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)	Horz(TL) 0.16 13 n/a n/a		
				Weight: 1103 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=4372/0-7-8, 13=4318/0-10-10
Max Horz 2=60(load case 2)
Max Uplift 2=1854(load case 2), 13=1867(load case 3)

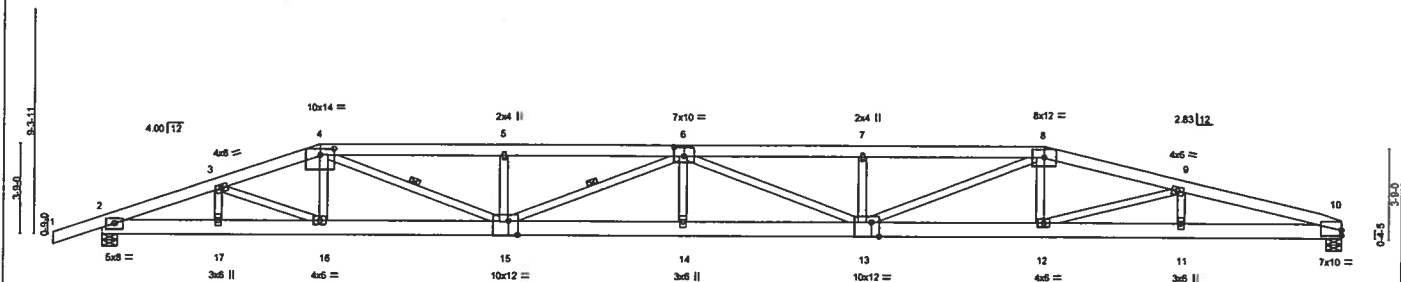
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-24=0/21, 2-24=0/22, 2-3=9537/3806, 3-4=-11271/4593, 4-5=-15916/6499, 5-6=-15915/6499, 6-7=-21096/8621, 7-8=-21096/8621, 8-9=-21096/8621, 9-10=-18279/7490, 10-11=-18279/7489, 11-12=-14580/5957, 12-13=-12637/5036, 13-25=0/22, 14-25=0/22
BOT CHORD 2-23=-3475/8699, 22-23=-3475/8699, 21-22=-4327/10751, 20-21=-7980/19786, 19-20=-7980/19792, 18-19=-8444/20971, 17-18=-8444/20971, 16-17=-5700/14239, 15-16=-4747/12050, 13-15=-4747/12050
WEBS 3-23=-569/295, 3-22=-925/2247, 4-22=-102/531, 4-21=-2339/5733, 5-21=-502/422, 6-21=-4312/1774, 6-20=-17/523, 6-19=-591/1482, 7-19=-530/423, 9-19=-78/221, 9-18=-16/522, 9-17=-3041/1252, 10-17=-526/432, 11-17=-1866/4561, 11-16=-221/851, 12-16=-1002/2365, 12-15=-404/272

NOTES
1) 3-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1854 lb uplift at joint 2 and 1867 lb uplift at joint 13.
7) Girder carries hip end with 9-10-13 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 762 lb down and 334 lb up at 39-9-3, and 539 lb down and 236 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert 1-24=-54, 2-24=-14, 2-4=-54, 4-11=-113(F=-59), 11-13=-54, 13-25=-14, 14-25=-54, 2-22=-30, 16-22=-63(F=-33), 13-16=-30
Concentrated Loads (lb)
Vert 22=-539(F) 16=-762(F)

Job L152332	Truss T02	Truss Type SPECIAL	Qty 2	Ply 1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Feb 22 06:07:43 2006 Page 1		

2-0-0	4-9-7	9-0-0	16-6-11	23-11-10	31-4-9	38-11-4	44-8-13	50-6-5	51-4-0	53-4-0
2-0-0	4-9-7	4-2-9	7-6-11	7-4-15	7-4-15	7-6-11	5-9-9	5-9-9	0-9-11	2-0-0



4-9-7	9-0-0	16-6-11	23-11-10	31-4-9	38-11-4	44-8-13	51-4-0
4-9-7	4-2-9	7-6-11	7-4-15	7-4-15	7-6-11	5-9-9	6-7-3

Plate Offsets (X,Y): [4:0-7-0,0-3-3], [6:0-5-0,0-4-8], [10:Edge,0-2-8], [13:0-4-0,0-7-0], [15:0-4-8,0-7-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.31	In (loc) 13-14	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.39	Vert(LL) -0.88		
BCLL 10.0	Rep Stress Incr YES	WB 0.84	Vert(TL) -1.41		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.20		
				Weight: 370 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-7 oc bracing.
WEBS 1 Row at midpt 4-15, 6-15

REACTIONS (lb/size) 10=2127/0-7-8, 2=2257/0-7-8
Max Horz 2=83(load case 3)
Max Uplift 10=791(load case 4), 2=911(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/24, 2-3=-4877/1883, 3-4=-5169/2080, 4-5=-7242/2933, 5-6=-7242/2933, 6-7=-7905/3217, 7-8=-7905/3217, 8-9=-6410/2618, 9-10=-6395/2593
BOT CHORD 2-17=-1685/4467, 16-17=-1685/4467, 15-16=-1852/4911, 14-15=-3235/8385, 13-14=-3235/8382, 12-13=-2420/6236, 11-12=-2431/6084, 10-11=-2431/6084
WEBS 3-17=-124/145, 3-16=-217/615, 4-16=-1/222, 4-15=-997/2619, 5-15=-377/280, 6-15=-1309/507, 6-14=0/282, 6-13=-652/256, 7-13=-383/277, 8-13=-757/1992, 8-12=-40/327, 9-12=-173/481, 9-11=0/94

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 791 lb uplift at joint 10 and 911 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	T03	SPECIAL	2	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 Mittek Industries, Inc. Wed Feb 22 06:07:44 2006 Page 1

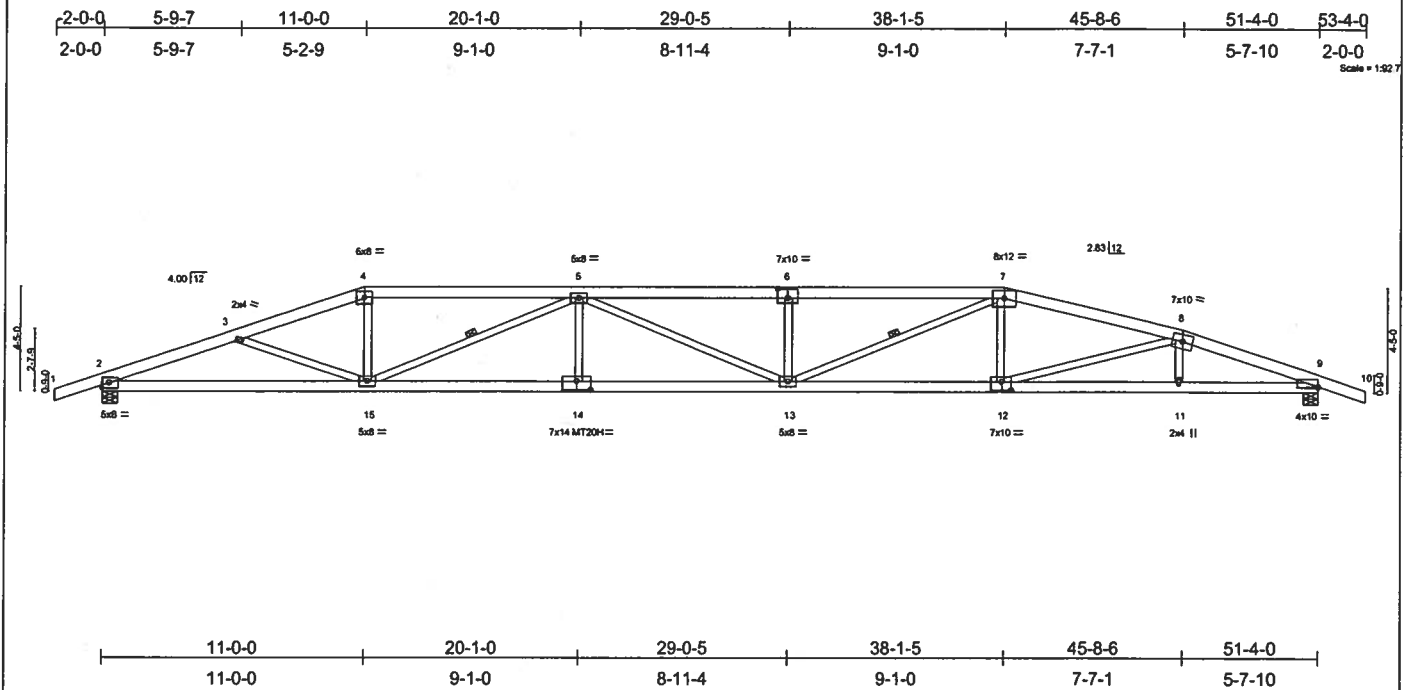


Plate Offsets (X,Y): [6:0-5-0,0-4-8], [9:0-0-3,0-0-6], [12:0-5-0,0-4-8], [14:0-7-0,0-4-8]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.32	Ver(LL)	-0.73 13-14	>832	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.73	Ver(TL)	-1.17 13-14	>519	180	MT20H	187/143
BCCL 10.0	Rep Stress Incr YES	WB 0.96	Horz(TL)	0.25 9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						
							Weight: 338 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-0-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-4-6 oc bracing.
 WEBS 1 Row at midpt 5-15, 7-13

REACTIONS (lb/size) 2=2255/0-7-8, 9=2255/0-7-8
 Max Horiz 2=77(load case 3)
 Max Uplift 2=907(load case 3), 9=917(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-4881/1994, 3-4=-4921/1975, 4-5=-4692/1938, 5-6=-6763/2770, 6-7=-6760/2768, 7-8=-5457/2225, 8-9=-5049/1994, 9-10=0/21

BOT CHORD 2-15=-1738/4476, 14-15=-2458/6550, 13-14=-2459/6545, 12-13=-1973/5285, 11-12=-1746/4635, 9-11=-1751/4625

WEBS 3-15=-62/433, 4-15=-287/1082, 5-15=-2152/837, 5-14=0/248, 5-13=-119/341, 6-13=-492/342, 7-13=-687/1806, 7-12=0/129, 8-12=-327/898, 8-11=0/166

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 907 lb uplift at joint 2 and 917 lb uplift at joint 9.

LOAD CASE(S) Standard

Job L152332	Truss T04	Truss Type SPECIAL	Qty 2	Ply 1	Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 06:07:45 2006 Page 1

2-0-0	6-9-7	13-0-0	19-1-12	25-1-11	31-1-11	37-3-6	40-10-7	45-9-13	51-4-0	53-4-0
2-0-0	6-9-7	6-2-9	6-1-12	6-0-0	6-0-0	6-1-12	3-7-1	4-11-5	5-6-3	2-0-0

Scale = 1:52.7

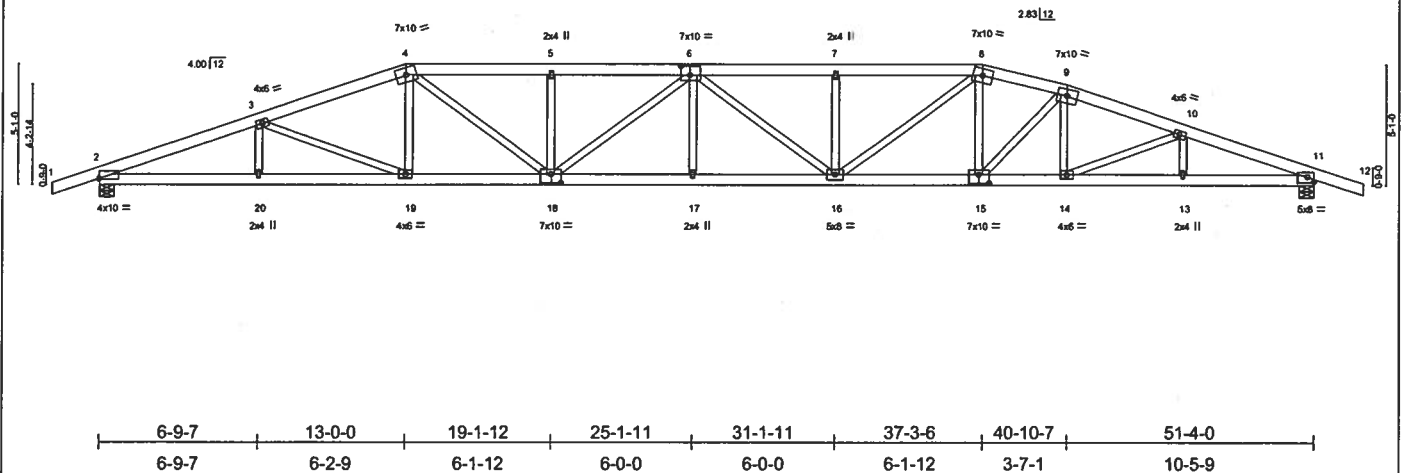


Plate Offsets (X,Y): [2:0-0-3,0-0-6], [6:0-4-12,0-4-8], [15:0-5-0,0-4-8], [18:0-5-0,0-4-8]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.22	Vert(LL) -0.54	17	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.61	Vert(TL) -0.87	16-17	>700	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.57	Horz(TL) 0.23	11	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)						
							Weight: 362 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-5-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-8-13 oc bracing.

REACTIONS (lb/size) 2=2255/0-7-8, 11=2255/0-7-8

Max Horz 2=85(load case 3)
 Max Uplift 2=904(load case 3), 11=910(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-5087/2017, 3-4=-4694/1939, 4-5=-5442/2278, 5-6=-5442/2278, 6-7=-5566/2331, 7-8=-5566/2331, 8-9=-4771/2001,
 9-10=-4842/1997, 10-11=-4986/1971, 11-12=0/21
 BOT CHORD 2-20=-1767/4672, 19-20=-1767/4672, 18-19=-1622/4430, 17-18=-2172/5833, 16-17=-2171/5839, 15-16=-1700/4628, 14-15=-1708/4571,
 13-14=-1724/4560, 11-13=-1724/4560
 WEBS 3-20=0/162, 3-19=-292/197, 4-19=-51/335, 4-18=-525/1396, 5-18=-311/217, 6-18=-590/231, 6-17=0/183, 6-16=-460/179, 7-16=-329/237,
 8-16=-494/1298, 8-15=-49/121, 9-15=-97/293, 9-14=-16/152, 10-14=-36/163, 10-13=0/115

NOTES

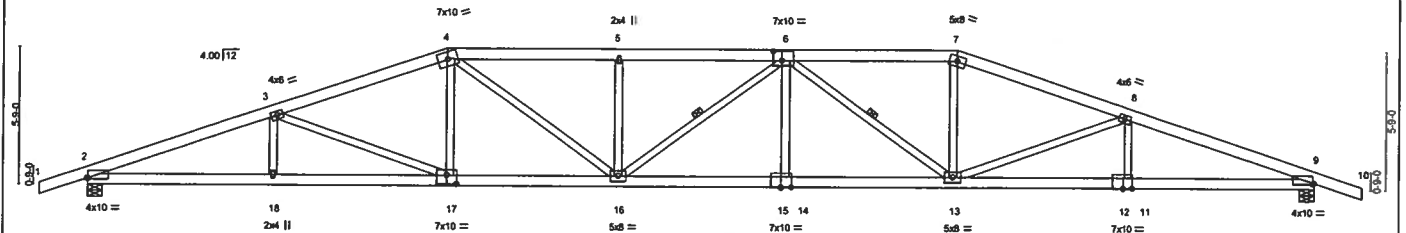
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 904 lb uplift at joint 2 and 910 lb uplift at joint 11.

LOAD CASE(S) Standard

Job L152332	Truss T05	Truss Type HIP	Qty 2	Ply 1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Feb 22 06:07:46 2006 Page 1		

2-0-0	7-9-7	15-0-0	22-1-15	29-2-1	36-4-0	43-6-9	51-4-0	53-4-0
2-0-0	7-9-7	7-2-9	7-1-15	7-0-3	7-1-15	7-2-9	7-9-7	2-0-0

Scale = 1/32"



7-9-7	15-0-0	22-1-15	29-2-1	36-4-0	43-6-9	51-4-0
7-9-7	7-2-9	7-1-15	7-0-3	7-1-15	7-2-9	7-9-7

Plate Offsets (X,Y): [2:0-0-7,0-0-6], [6:0-4-4,0-4-8], [9:0-0-7,0-0-6], [12:0-5-0,0-0-4], [15:0-5-0,0-0-4], [17:0-5-0,0-4-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.23	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.57	Vert(LL) -0.48 14-16 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.57	Vert(TL) -0.77 14-16 >790 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.22 9 n/a n/a		
	Code FBC2004/TP12002			Weight: 349 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-6-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-10 oc bracing.
WEBS 1 Row at midpt 6-16, 6-13

REACTIONS

(lb/size) 2=2255/0-7-8, 9=2255/0-7-8
Max Horz 2=93(load case 3)
Max Uplift 2=901(load case 3), 9=901(load case 4)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-5129/2057, 3-4=-4532/1892, 4-5=-5022/2142, 5-6=-5022/2142, 6-7=-4274/1855, 7-8=-4533/1891, 8-9=-5127/2057, 9-10=0/21
BOT CHORD 2-18=-1802/4719, 17-18=-1802/4719, 16-17=-1549/4257, 15-16=-1844/5020, 14-15=-1844/5020, 13-14=-1844/5020, 12-13=-1802/4718, 11-12=-1802/4718, 9-11=-1802/4718
WEBS 3-18=0/207, 3-17=-530/288, 4-17=-72/435, 4-16=-423/1120, 5-16=-386/265, 6-16=-129/132, 6-14=0/198, 6-13=-1103/422, 7-13=-289/993, 8-13=-527/291, 8-11=0/207

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 901 lb uplift at joint 2 and 901 lb uplift at joint 9.

LOAD CASE(S) Standard

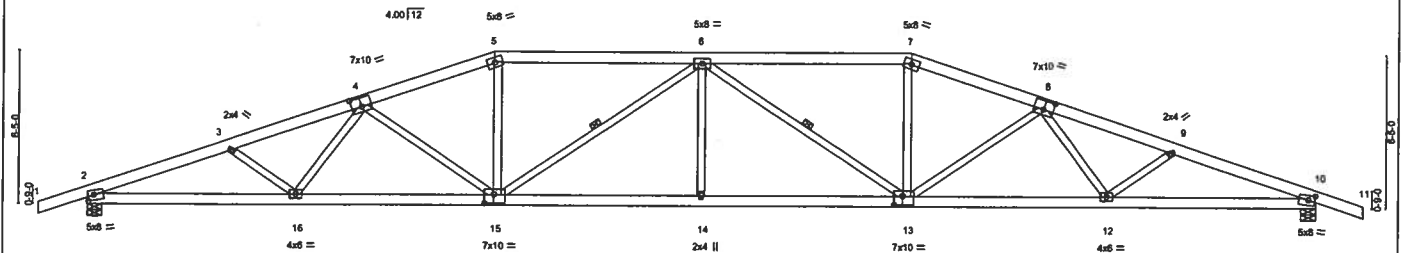
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	T06	HIP	2	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 Mittek Industries, Inc. Wed Feb 22 06:07:47 2006 Page 1

2-0-0	6-0-10	11-6-5	17-0-0	25-8-0	34-4-0	39-9-11	45-3-6	51-4-0	53-4-0
2-0-0	6-0-10	5-5-11	5-5-11	8-8-0	8-8-0	5-5-11	5-5-11	6-0-10	2-0-0

Scale = 1:31.25



8-9-7	17-0-0	25-8-0	34-4-0	42-6-9	51-4-0
8-9-7	8-2-9	8-8-0	8-8-0	8-2-9	8-9-7

Plate Offsets (X,Y): [2:0-3-1,0-2-8], [4:0-5-0,0-4-8], [8:0-5-0,0-4-8], [10:0-3-1,0-2-8], [13:0-4-4,0-4-8], [15:0-4-12,0-4-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.23	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.51	Vert(LL) -0.43 14-15 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.45	Vert(TL) -0.68 14-15 >889 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.21 10 n/a n/a		
				Weight: 352 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-7-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-2-15 oc bracing.
 WEBS 1 Row at midpt 6-15, 6-13

REACTIONS

(lb/size) 2=2255/0-7-8, 10=2255/0-7-8
 Max Horz 2=103(load case 3)
 Max Uplift 2=891(load case 3), 10=891(load case 4)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/21, 2-3=4995/2064, 3-4=4894/2011, 4-5=4315/1848, 5-6=4060/1798, 6-7=4071/1801, 7-8=4303/1843, 8-9=4895/2011, 9-10=4997/2063, 10-11=0/21
 BOT CHORD 2-16=-1809/4579, 15-16=-1707/4466, 14-15=-1670/4579, 13-14=-1670/4579, 12-13=-1707/4465, 10-12=-1808/4580
 WEBS 3-16=0/186, 4-16=-27/276, 4-15=-524/305, 5-15=-287/938, 6-15=-834/327, 6-14=0/245, 6-13=-821/323, 7-13=-286/934, 8-13=-532/307, 8-12=-27/280, 9-12=0/187

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 891 lb uplift at joint 2 and 891 lb uplift at joint 10.

LOAD CASE(S) Standard

Job L152332	Truss T07	Truss Type HIP	Qty 2	Ply 1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Feb 22 06:07:48 2006 Page 1		

2-0-0	6-8-10	12-10-5	19-0-0	25-8-0	32-4-0	38-5-11	44-7-6	51-4-0	53-4-0
2-0-0	6-8-10	6-1-11	6-1-11	6-8-0	6-8-0	6-1-11	6-1-11	6-8-10	2-0-0

Scale = 1/31.25

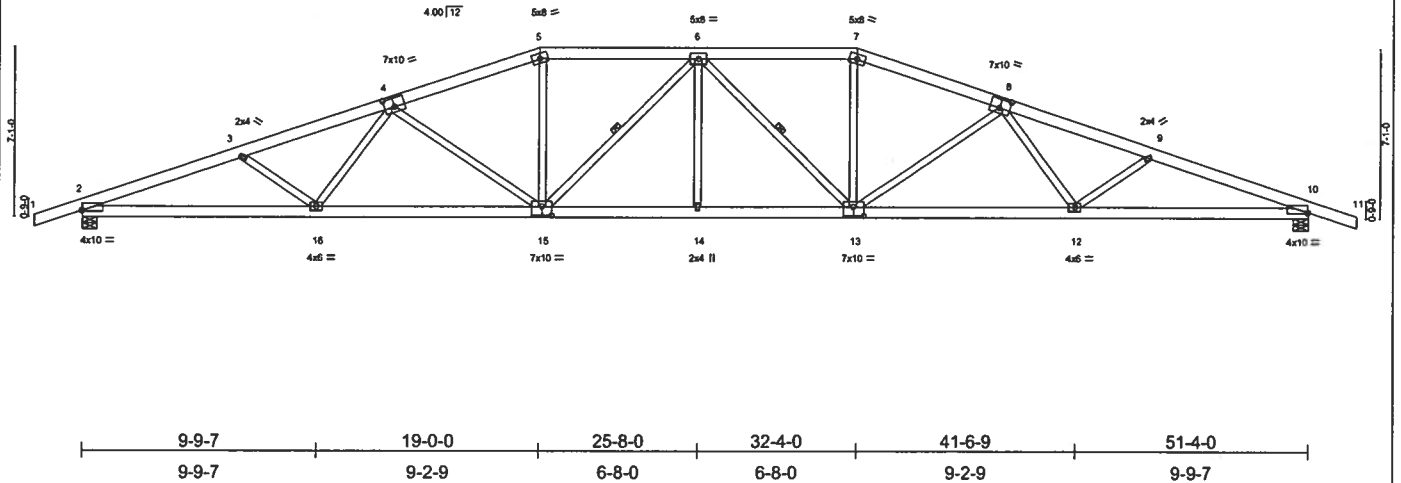


Plate Offsets (X,Y): [2:0-0-3,0-0-6], [4:0-5-0,0-4-8], [8:0-5-0,0-4-8], [10:0-0-3,0-0-6], [13:0-5-0,0-4-8], [15:0-5-0,0-4-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.21	Vert(LL)	-0.39	14	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.53	Vert(TL)	-0.63	14	>972	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.73	Horz(TL)	0.21	10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
								Weight: 357 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-0 oc bracing.
WEBS 1 Row at midpt 6-15, 6-13

REACTIONS

(lb/size) 2=2255/0-7-8, 10=2255/0-7-8
Max Horz 2=112(load case 4)
Max Uplift 2=879(load case 3), 10=879(load case 4)

FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/21, 2-3=5037/2107, 3-4=4886/2025, 4-5=4081/1782, 5-6=3841/1740, 6-7=3841/1740, 7-8=4081/1782, 8-9=4886/2025, 9-10=5037/2107, 10-11=0/21
BOT CHORD 2-16=1850/4628, 15-16=1683/4372, 14-15=1472/4078, 13-14=1472/4078, 12-13=1683/4372, 10-12=1850/4628
WEBS 3-16=80/188, 4-16=52/403, 4-15=695/393, 5-15=294/904, 6-15=548/227, 6-14=0/151, 6-13=548/226, 7-13=294/904, 8-13=695/393, 8-12=53/403, 9-12=80/188

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 879 lb uplift at joint 2 and 879 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	T08	HIP	2	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Feb 22 06:07:49 2006 Page 1

2-0-0	7-4-10	14-2-5	21-0-0	25-8-0	30-4-0	37-1-11	43-11-6	51-4-0	53-4-0
2-0-0	7-4-10	6-9-11	6-9-11	4-8-0	4-8-0	6-9-11	6-9-11	7-4-10	2-0-0

Scale = 1/8" = 1'-0"

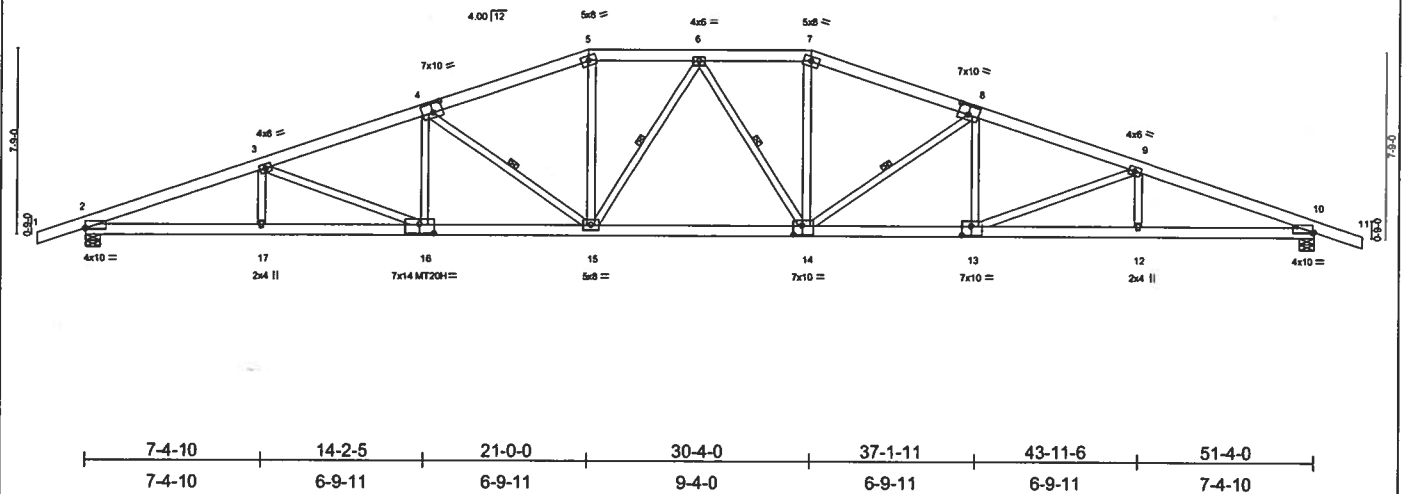


Plate Offsets (X,Y): [2:0-0,3:0-0-6], [4:0-5,0,0-4-8], [8:0-5,0,0-4-8], [10:0-0,7:0-0-6], [13:0-4,12:0-4-8], [14:0-4,4,0-4-8], [16:0-7,0,0-4-8]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.21	Vert(LL)	-0.40	14-15	>999	240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.55	Vert(TL)	-0.64	14-15	>953	180	MT20H 187/143
BCLL 10.0	Rep Stress Incr YES	WB 0.45	Horz(TL)	0.21	10	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						Weight: 365 lb

LUMBER

TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-1-15 oc bracing.
 WEBS 1 Row at midpt 4-15, 6-15, 6-14, 8-14

REACTIONS (lb/size) 2=2255/0-7-8, 10=2255/0-7-8

Max Horz 2=122(load case 3)

Max Uplift 2=867(load case 3), 10=867(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=5125/2112, 3-4=4594/1983, 4-5=3852/1717, 5-6=3616/1682, 6-7=3616/1682, 7-8=3852/1717, 8-9=4586/1981, 9-10=5126/2112, 10-11=0/21

BOT CHORD 2-17=1854/4714, 16-17=1854/4714, 15-16=1646/4307, 14-15=1314/3662, 13-14=1646/4309, 12-13=1854/4715, 10-12=1854/4715

WEBS 3-17=0/198, 3-16=479/229, 4-16=53/382, 4-15=890/458, 5-15=274/837, 6-15=316/161, 6-14=317/160, 7-14=274/837, 8-14=894/458, 8-13=52/382, 9-13=488/232, 9-12=0/202

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 867 lb uplift at joint 2 and 867 lb uplift at joint 10.

LOAD CASE(S) Standard

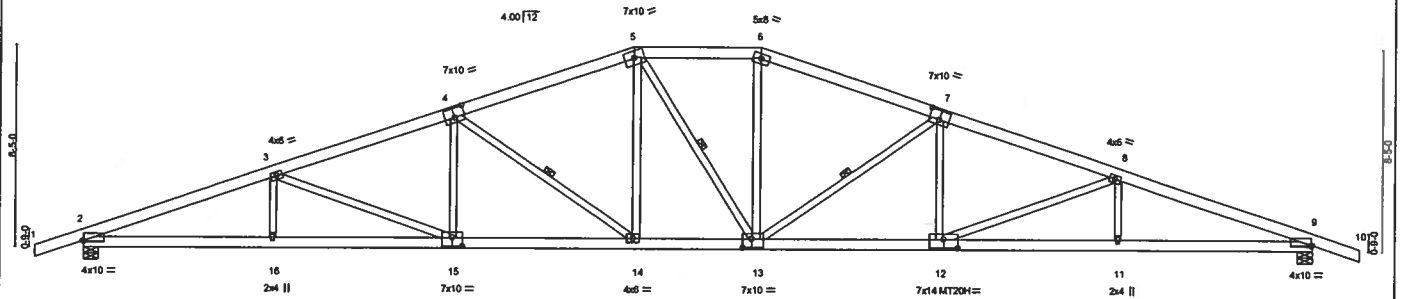
Job#	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	T09	HIP	2	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Feb 22 06:07:50 2006 Page 1

2-0-0	8-0-10	15-6-5	23-0-0	28-4-0	35-9-11	43-3-6	51-4-0	53-4-0
2-0-0	8-0-10	7-5-11	7-5-11	5-4-0	7-5-11	7-5-11	8-0-10	2-0-0

Scale = 1/32" = 1'



8-0-10	15-6-5	23-0-0	28-4-0	35-9-11	43-3-6	51-4-0
8-0-10	7-5-11	7-5-11	5-4-0	7-5-11	7-5-11	8-0-10

Plate Offsets (X,Y): [2:0-0-7,0-0-6], [4:0-5-0,0-4-8], [7:0-5-0,0-4-8], [9:0-0-7,0-0-6], [12:0-7-0,0-4-8], [13:0-4-4,0-4-8], [15:0-5-0,0-4-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.57	Vert(LL) -0.38 14-15 >999 240	MT20H	187/143
BCLL 10.0	Lumber Increase 1.25	WB 0.69	Vert(TL) -0.62 14-15 >988 180		
BCDL 5.0	Rep Stress Incr YES	(Matrbx)	Horz(TL) 0.21 9 n/a n/a		
	Code FBC2004/TPI2002			Weight: 363 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-6-10 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-1-9 oc bracing.
 WEBS 1 Row at midpt 4-14, 5-13, 7-13

REACTIONS

(lb/size) 2=2255/0-7-8, 9=2255/0-7-8
 Max Horz 2=132(load case 3)
 Max Uplift 2=853(load case 3), 9=853(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-5137/2142, 3-4=-4489/1963, 4-5=-3610/1653, 5-6=-3381/1626, 6-7=-3615/1655, 7-8=-4485/1962, 8-9=-5139/2143, 9-10=0/21

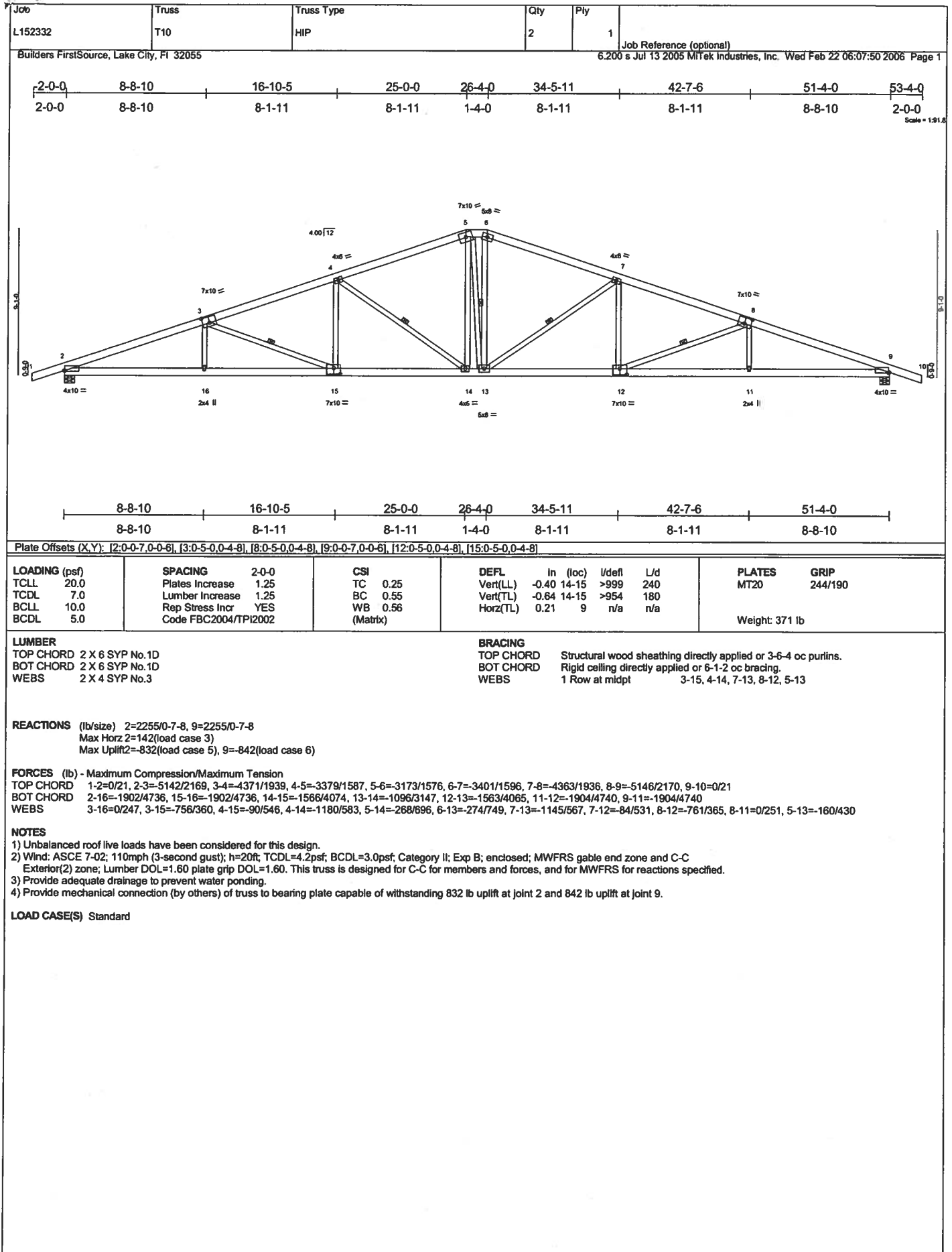
BOT CHORD 2-16=-1880/4729, 15-16=-1880/4729, 14-15=-1610/4203, 13-14=-1188/3375, 12-13=-1609/4201, 11-12=-1880/4730, 9-11=-1880/4730

WEBS 3-16=0/221, 3-15=-615/291, 4-15=-67/471, 4-14=-1047/523, 5-14=-265/784, 5-13=-258/277, 6-13=-265/777, 7-13=-1039/520, 7-12=-65/467, 8-12=-619/292, 8-11=0/222

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 853 lb uplift at joint 2 and 853 lb uplift at joint 9.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L152332	T11	COMMON	21	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 Mittek Industries, Inc. Wed Feb 22 06:07:51 2006 Page 1

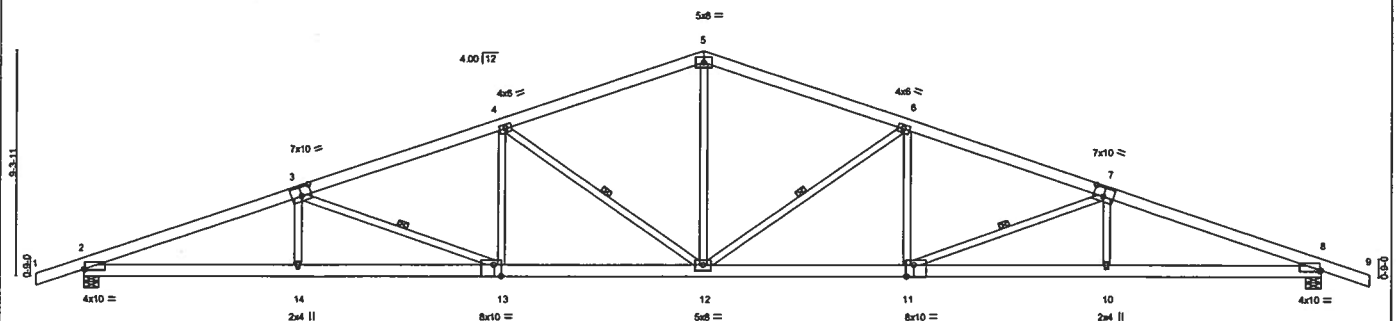
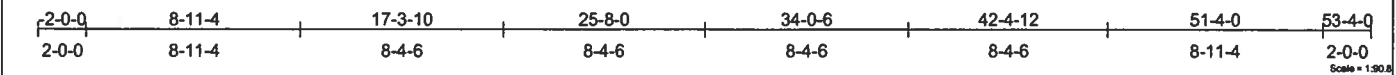


Plate Offsets (X,Y): [2:0-0-7,0-0-6], [3:0-5-0,0-4-8], [7:0-5-0,0-4-8], [8:0-0-7,0-0-6], [11:0-3-12,Edge], [13:0-3-12,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.26	Vert(LL)	-0.39 12-13	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.60	Vert(TL)	-0.63 12-13	>960	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.83	Horz(TL)	0.21 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						
								Weight: 349 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
 BOT CHORD 2 X 6 SYP No.1D
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-6-1 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-1-1 oc bracing.
 WEBS 1 Row at midpt 3-13, 4-12, 6-12, 7-11

REACTIONS (lb/size) 2=2255/0-7-8, 8=2255/0-7-8

Max Horz 2=-145(load case 4)

Max Uplift 2=-836(load case 5), 8=-836(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-5147/2176, 3-4=-4310/1924, 4-5=-3337/1580, 5-6=-3337/1580, 6-7=-4310/1924, 7-8=-5147/2176, 8-9=0/21

BOT CHORD 2-14=-1908/4742, 13-14=-1909/4736, 12-13=-1546/4022, 11-12=-1546/4022, 10-11=-1909/4736, 8-10=-1908/4742

WEBS 3-14=0/266, 3-13=-811/391, 4-13=-96/548, 4-12=-1181/575, 5-12=-627/1593, 6-12=-1181/575, 6-11=-96/548, 7-11=-811/391, 7-10=0/266

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C

Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 836 lb uplift at joint 2 and 836 lb uplift at joint 8.

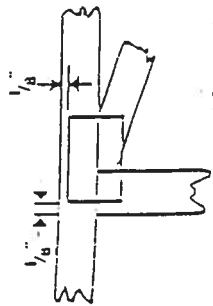
LOAD CASE(S) Standard

Symbols

PLATE LOCATION AND ORIENTATION



* Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seat.



* For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.

* This symbol indicates the required direction of slots in connector plates.



PLATE SIZE

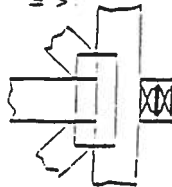
4 X 4
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



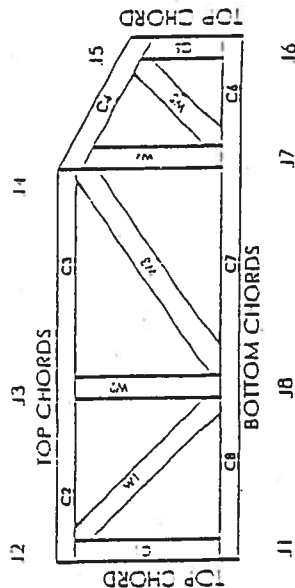
Indicates location of required continuous lateral bracing.

BEARINGS



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DIHR	960022-W, 970036-H
IER	561



MITel Engineering Reference Sheet: MIT-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and waste at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

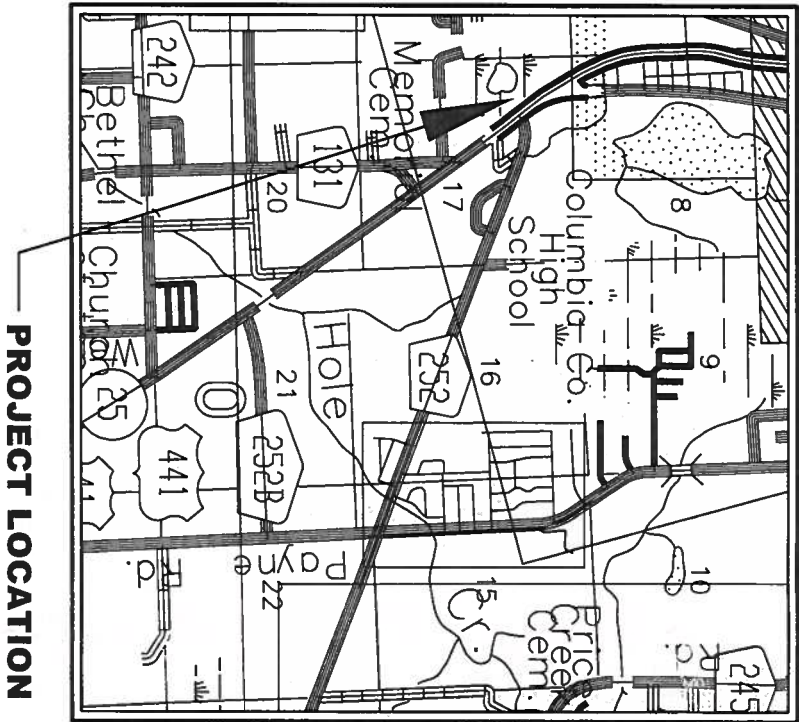
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S&S FOOD STORE LAKE CITY, FLORIDA

- SHEET INDEX
- COVER SHEET
- GENERAL NOTES
- SITE PLAN
- EXISTING CONDITIONS
- DEMOLITION PLAN
- PROPOSED CONDITIONS
- DRIVEWAY CONNECTION
- STORMWATER MANAGEMENT
- STORMWATER BASIN
- EROSION CONTROL
- TYPICAL DETAILS

- FDOT INDEX
- INDEX #301
- INDEX #613
- INDEX #616
- INDEX #622
- INDEX #17721
- INDEX #17781
- INDEX #17870

- C1
- C2
- C3
- C4
- C5
- C6
- C7
- C8
- C9
- C10
- C11



PLANS PREPARED FOR:
S&S FOOD STORES # 28
LESTER SCAFF
200 E. DUVAL ST.
LAKE CITY, FL

LEGEND	
EXISTING	PROPOSED
CONCRETE MONUMENT FOUND	CONCRETE MONUMENT SET
IRON PIPE FOUND	IRON PIPE SET
LIGHT STANDARD	LIGHT STANDARD
POWER POLE	POWER POLE
WATER VALVE	WATER VALVE
FIRE HYDRANT	FIRE HYDRANT
BACKFLOW PREVENTER	BACKFLOW PREVENTER
CLEANOUT	CLEANOUT
MANHOLE	MANHOLE
GROUND CONTOUR	GROUND CONTOUR
WELL	DITCH BLOCK
MONITORING WELL	FINISH ELEVATION
ELECTRIC BOX	FLOW ARROW
TELEPHONE BOX	HANDICAP PARKING
CABLE T.V. BOX	MITERED END
D.O.T. MARKER FOUND	TREE
CONCRETE	SEWER TAP
SOIL BORING LOCATION	WATER METER
SINGLE POST SIGN	BENCH MARK
BENCH MARK	SILT FENCE
TRAFFIC LIGHT CABINET	PULLBOX

SYMBOLS & ABBREVIATIONS

SYMBOL	PROPERTY LINE	LINEAR FEET
LF	PROPERTY LINE	LINEAR FEET
IP	CENTER LINE	IRON PIPE
MH	BASE LINE	MANHOLE
G	SANITARY SEWER	GAS
UC	STORM SEWER	UNDERGROUND CABLE
OC	ELECTRIC	OVERHEAD CABLE
W	OVERHEAD ELECTRIC	WATER LINE
RCP	UNDERGROUND ELECTRIC	REINFORCED CONCRETE PIPE
RCEP	OVERHEAD TELEPHONE	REINFORCED CONCRETE ELLIPTICAL PIPE
CMP	UNDERGROUND TELEPHONE	CORRUGATED METAL PIPE
CAMP	RADIUS	CORRUGATED METAL ARC PIPE
BCOMP	CLEANOUT	BITUMINOUS COATED CORRUGATED METAL PIPE
PE	BENCH MARK	POLYETHYLENE PIPE
PIB	FIBER OPTIC CABLE	PULLBOX

S&S FOOD STORE
COVER SHEET
LAKE CITY, FL



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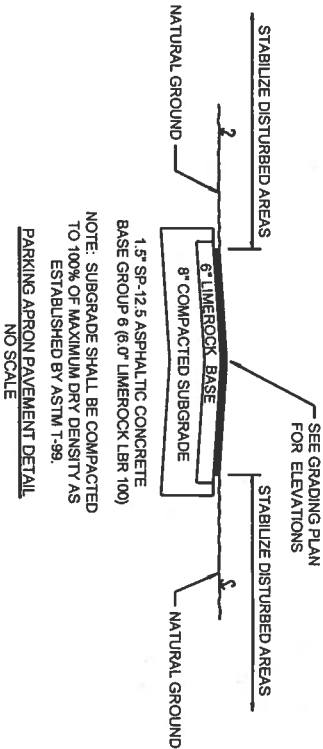
REVISIONS:
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12/16/05
04/13/06

SHEET NO.
C1

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO ENSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.
3. BOUNDARY INFORMATION SHOWN WAS OBTAINED FROM A BOUNDARY SURVEY PREPARED BY DONALD F. LEE & ASSOCIATES, FLORIDA CERTIFICATE NO. 3828.
4. ELEVATIONS BASED ON USGS DATA, NAVD 1929.
5. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.
6. THE SITE IS LOCATED IN SECTION 17, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.
7. THE CONTRACTOR SHALL IMPLEMENT ALL COMPONENTS OF THE EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ALL COMPONENTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL VEGETATION IS ESTABLISHED. THE ENTIRE PROJECT AREA IS STABILIZED AND THE OWNER HAS ACCEPTED OPERATION AND MAINTENANCE.
8. THE STORMWATER BASIN IS DESIGNED IN ACCORDANCE WITH CHAPTER 40B-4 F.A.C.
9. ALL SLOPES OF THE STORMWATER BASIN SHALL BE GRASSED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.
10. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
11. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED WHERE INDICATED.
12. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR DURING CONSTRUCTION.
13. ALL UTILITY CONSTRUCTION SHALL MEET THE CITY OF LAKE CITY WATER AND WASTEWATER UTILITY STANDARDS.
14. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS.
15. CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED UTILITY CONNECTIONS PRIOR TO BIDDING. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES. THIS INCLUDES BUT IS NOT LIMITED TO MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING.
16. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.
17. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
18. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE UTILITY COMPANY DURING CONSTRUCTION.
19. FOR UTILITY ADJUSTMENT SYMBOLS, SEE STANDARD INDEX NO. 002.
20. UTILITIES TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE PROJECT ENGINEER, IN ACCORDANCE WITH THE UTILITY ACCOMMODATION MANUAL, UNLESS OTHERWISE STATED IN THE PLANS.
21. THE CONTRACTOR SHALL CALL THE SUNSHINE STATE ONE CALL AT 1-800-432-4770 AND THE FOLLOWING UTILITY OWNERS (2) FULL BUSINESS DAYS BEFORE BEGINNING WORK.

UTILITY OWNERS:			
UTILITY	COMPANY	CONTACT	TELEPHONE NUMBER
TELEPHONE	ALL TEL	DAN BRAIN	(386)384-2493
TELEPHONE	BELL SOUTH	GENE ROWLAND	(386)732-4984
WATER	CITY OF LAKE CITY	BUD MOODY	(386)758-5400
NATURAL GAS	CITY OF LAKE CITY	BILLY WYNN	(386)758-5405
SEWER	CITY OF LAKE CITY	DAVE CLANTON	(386)758-5452
ELECTRIC	FP&L	DUKE SCAVAROSI	(904)898-7428
ELECTRIC	FP&L	CHARLIE SOHM	(386)758-2423
ELECTRIC	FP&L	PENNY REYNOLDS	(386)752-2020
CABLE	TIME WARNER	JOHNATHAN NORTON	(386)752-4955
22. BURNING OF MATERIAL AND/OR DEBRIS AS A MEANS OF DISPOSAL IS PROHIBITED WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL LEGALLY DISPOSE OF ALL CLEARED AND GRUBBED MATERIALS OFF-SITE.
23. ANY PORTION OF THE EXISTING RIGHT OF WAY THAT IS DISTURBED OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REDRESSED AND SODDED AT THE CONTRACTORS EXPENSE AS DIRECTED BY THE ENGINEER.
24. ALL SWEEPING OF MILLED SURFACES SHALL BE WITH A VACUUM-TYPE SWEEPER, SUPPLEMENTED BY HAND BROOMING WHERE NECESSARY.
25. ONLY THAT EXCAVATION FOR BASE WIDENING THAT CAN BE BACK-FILLED BY THE END OF THE WORKDAY SHALL BE EXCAVATED. NO OPEN TRENCH WILL BE ALLOWED TO REMAIN AFTER WORK ENDS FOR THE DAY.
26. SOME AREAS TO BE SODDED MAY REQUIRE THE SOD TO BE LAID BY HAND. THESE AREAS INCLUDE, BUT ARE NOT LIMITED TO, SODDED AREA WIDTHS LESS THAN 42", AROUND HEADWALLS AND UTILITY-CUT REPAIRS.
27. THE CONTRACTOR SHALL ADHERE TO ALL CITY AND COUNTY ORDINANCES AND STATE REGULATIONS.

28. BREAK IN CROSS SLOPES SHOULD MATCH PROPOSED LANE LINES DURING MILLING AND RESURFACING AS NEAR AS POSSIBLE.
29. THE CONTRACTOR IS TO COORDINATE ALL UTILITY ADJUSTMENTS WITH THE APPROPRIATE UTILITY OWNERS.
30. SIGNALIZATION LOOPS ARE TO BE PLACED PRIOR TO PLACEMENT OF FRICTION COURSE.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICAL, PRIOR TO ANY BORES AT THE DIRECTION OF THE ENGINEER. THIS SHOULD BE PERFORMED BY VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT. ALL RIGHT OF WAY SHALL BE RESTORED TO THE CONDITION THAT EXISTED PRIOR TO THE BORE.
32. ALL SOD SHALL BE CENTIPEDE.
33. CARE SHALL BE TAKEN WHEN MILLING AROUND CONCRETE CURB AND ANY OTHER ITEMS THAT ARE TO REMAIN TO PREVENT DAMAGE AND TO PROVIDE A NEAT MILLING LINE. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
34. TWO WEEKS ADVANCE NOTICE WILL BE REQUIRED FROM PDOT CONTRACTOR TO SCHEDULE FPL (OR AGENCY HAVING JURISDICTION) WHEN EXISTING UTILITY POLES NEED TO BE HELD, SUPPORTED OR RELOCATED. THIS IS FOR THE LIFE OF THE PDOT CONTRACT.
35. THE CONTRACTOR SHALL UTILIZE LAW ENFORCEMENT OFFICER(S) FOR MAINTENANCE OF TRAFFIC CONTROL DURING CONSTRUCTION.



JOB NUMBER: 030912S&S

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01/13/06

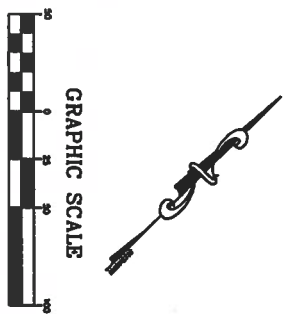
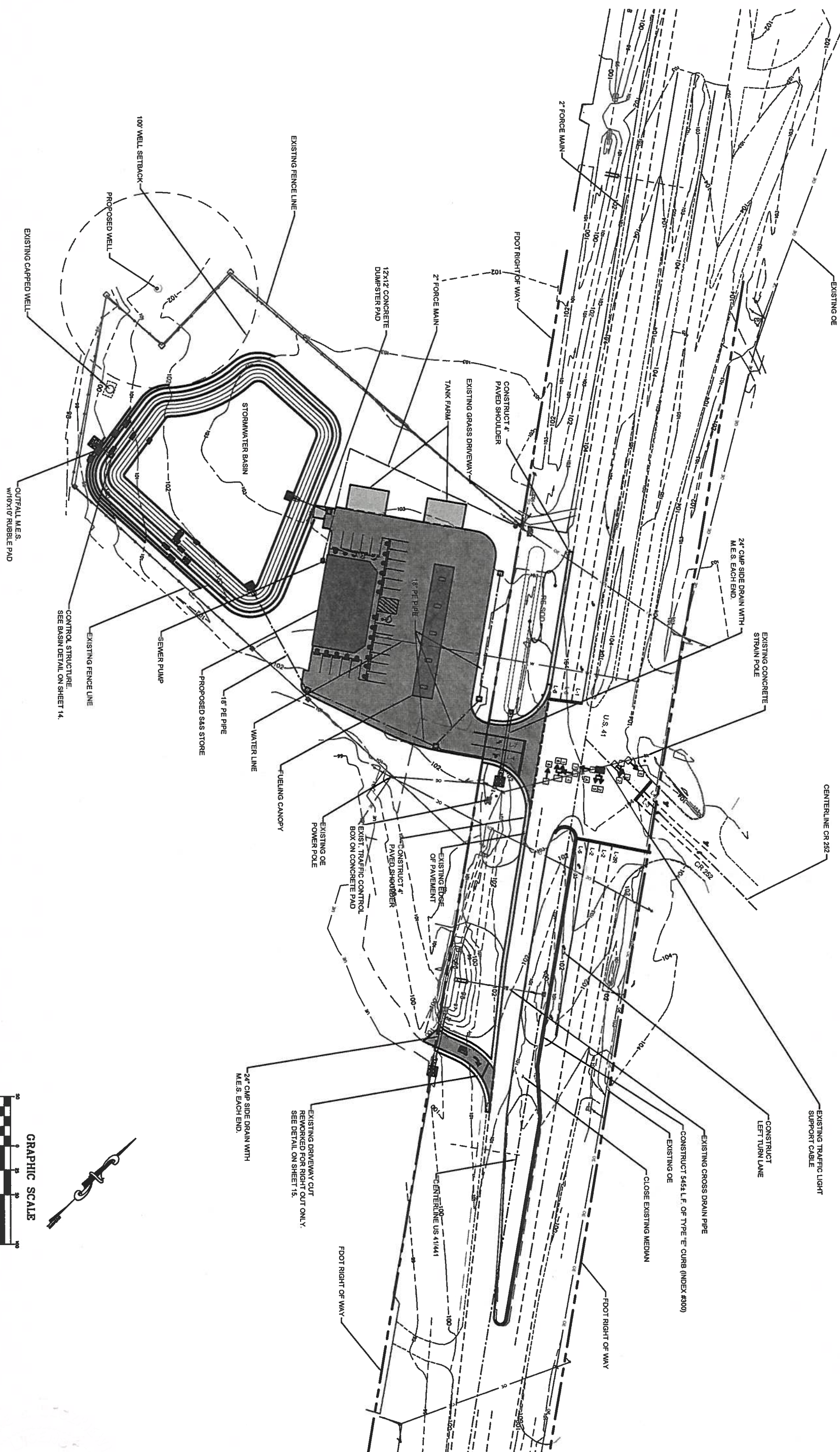
S&S FOOD STORE
GENERAL NOTES
LAKE CITY, FL

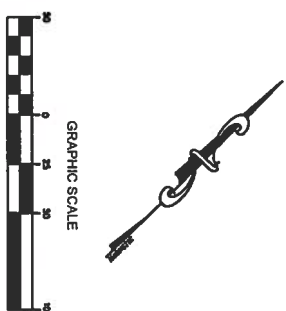
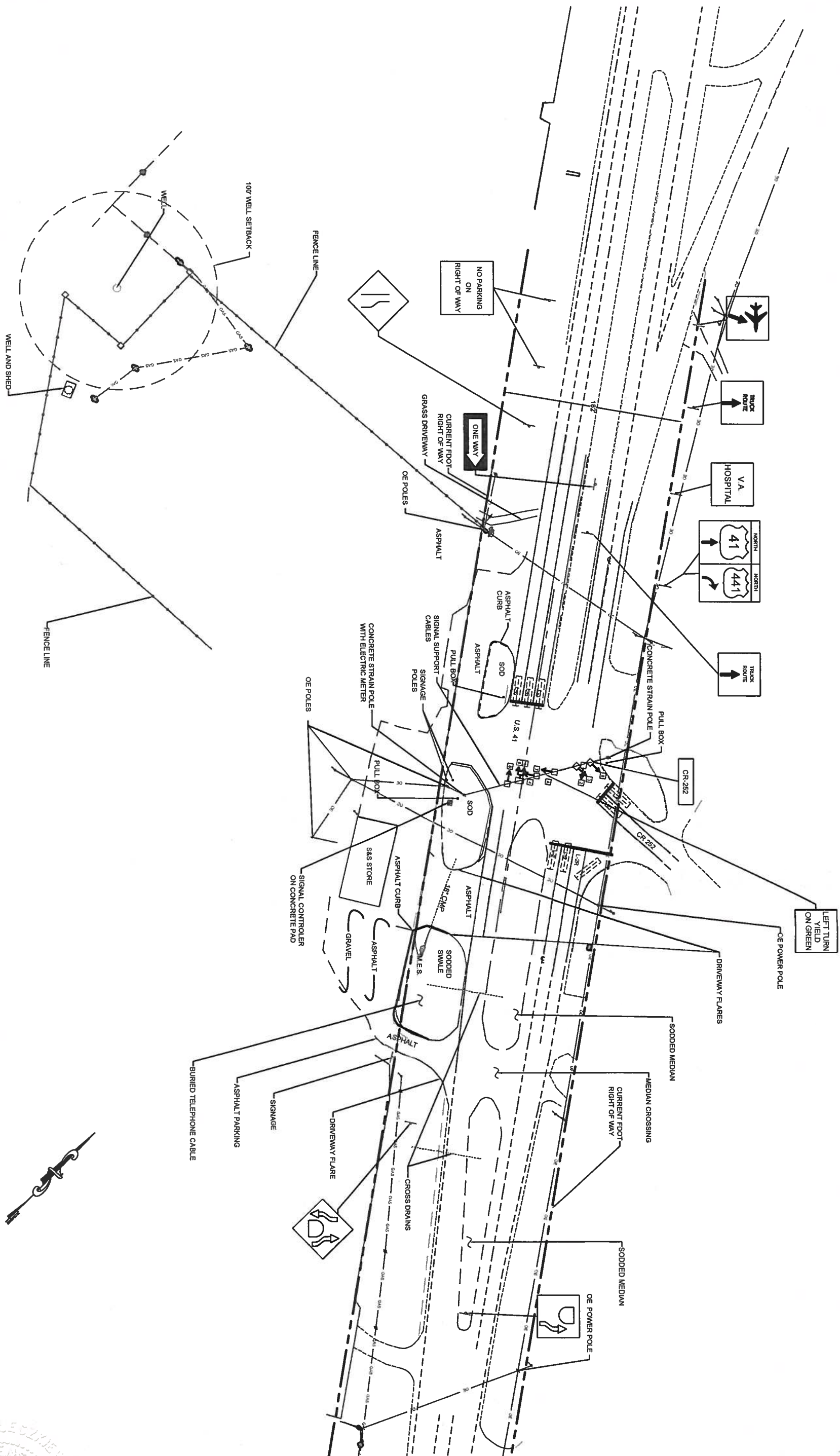


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JOB NUMBER: 030912a&S
SIGNATURE: [Signature]
53488
1/19/06

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S&S FOOD STORE
EXISTING CONDITIONS
LAKE CITY, FL



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GRAPHIC SCALE



REMOVE SHED AND
CAP EXISTING WELL

REMOVE ASPHALT DRIVEWAY CUT
AND REGRADE FOR POSITIVE FLOW

EXISTING OVERHEAD ELECTRIC

REMOVE SIGNAGE
POLES
TRAFFIC CONTROL BOX
ON CONCRETE PAD
TO REMAIN

EXISTING SAS STORE

REMOVE DRIVEWAY CUTS

REMOVE CONCRETE SPILLWAY

REMOVE 18" CMP WIMES

REMOVE ASPHALT, BASE AND SUBGRADE

REMOVE SOD AND REGRADE
TO MATCH EXISTING ADJACENT
DITCHES.

REMOVE ASPHALT, BASE
AND SUBGRADE, REGRADE
TO MATCH ADJACENT DITCHES.

EXISTING FOOT
RIGHT OF WAY

EXISTING FOOT
RIGHT OF WAY



SAWCUT EXISTING PAVEMENT
REMOVE CURB/DRIVEWAY CUTS



GRASSED MEDIAN REMOVAL AREA

JOB NUMBER: Q30912S&S

SIGNATURE & SEAL

53482
1/19/06

REVISIONS:
12/08/05
12/16/05
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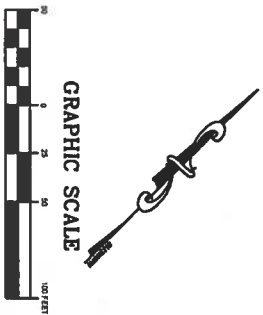
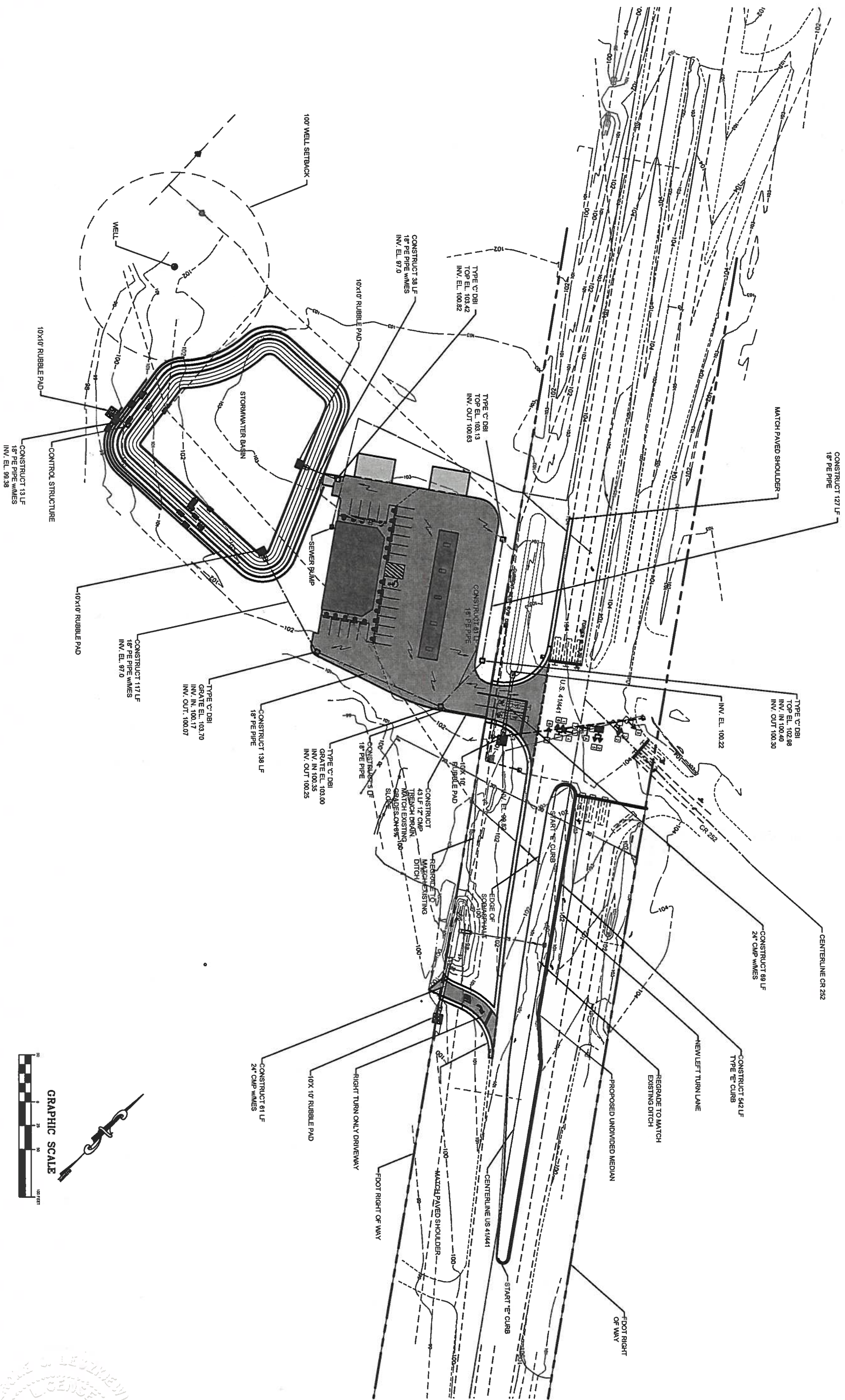
S&S FOOD STORE DEMOLITION PLAN LAKE CITY, FL



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JOB NUMBER: 030912S&S

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12/16/05
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**S&S FOOD STORE
PROPOSED CONDITIONS
LAKE CITY, FL**

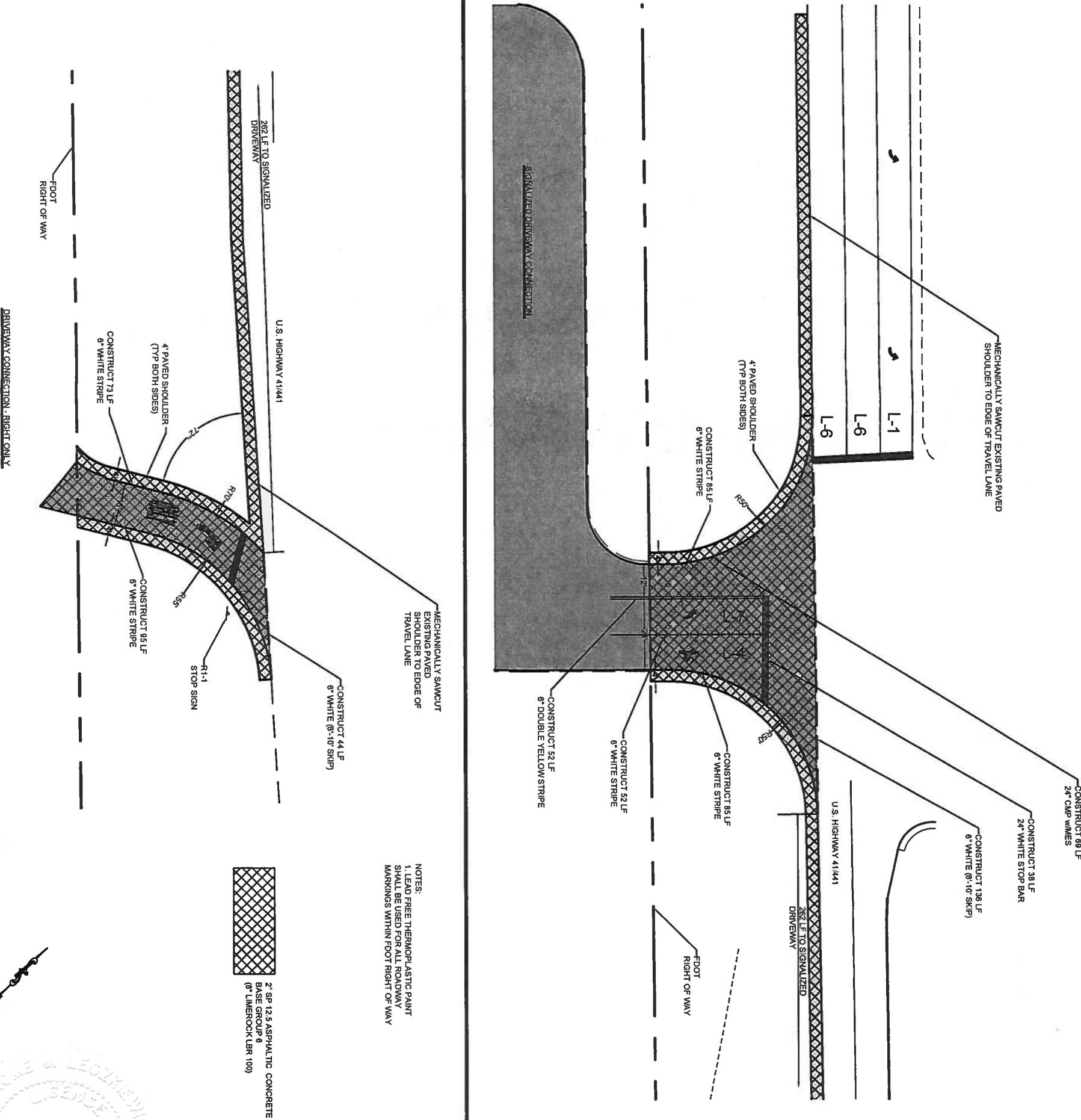


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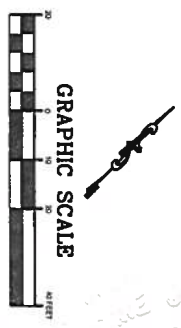
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- FDOT CONNECTION AND DRAINAGE NOTES
1. THE DRIVEWAY CONNECTION IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT EDITION).
 2. THE TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS (CURRENT EDITION), ACCORDING TO STATE INDEXES 17302 & 17346. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC LEAD - FREE PAINT.
 3. MAINTENANCE OF TRAFFIC SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARD INDEXES 600 & 625.
 4. THE CONTRACTOR SHALL OBTAIN THREE (3) DENSITY TESTS ACCORDING TO THE FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION). LIME/ROCK SHALL BE FACTORED TO 88% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D 1557. A COPY OF THE TESTS SHALL BE SUBMITTED TO FDOT BEFORE STARTING ANY PAVING OPERATIONS.
 5. ALL AREAS DISTURBED WITHIN FDOT RIGHT - OF - WAY SHALL BE RESEEDDED WITH "CERTIFIED COASTAL BERMUDA GRASS SOD". ALL SOD SHALL BE INSTALLED TO FDOT SATISFACTION BEFORE PAVING MAY COMMENCE.
 6. ALL FDOT RIGHT - OF - WAY RESTORATION, GRASS SOD PLACEMENT AND/OR SEEDING AND STRAW MULCH REQUIRED UNDER THIS APPROVED STATE ACCESS PERMIT SHALL BE IN PLACE AND HAVE RECEIVED TWO (2) WATERINGS AND ALSO HAVE RECEIVED A PASSING INSPECTION FOR PERMIT COMPLIANCE FOR THIS ITEM BEFORE ANY TYPE OF ASPHALT PAVING OR CONCRETE DRIVEWAYS CAN COMMENCE UPON STATE FDOT RIGHT - OF - WAY PROPERTY. BE AWARE THAT NO PAVING OR CONCRETE POURS CAN COMMENCE UNTIL ALL OF THE ABOVE RESTORATION AND GRASS SODDING PROVISIONS HAVE BEEN MET AND RECEIVED PASSING INSPECTION BY LOCAL FDOT PERMITS OFFICE HAVING PERMITTING AUTHORITY OVER SAID PROJECT.
 7. ALL AREAS OF THE STATE RIGHT - OF - WAY WITHIN THE LIMITS OF CONSTRUCTION WITH A PROPOSED FINISH GRADE SLOPE OF 1:4 OR STEEPER SHALL BE COMPLETELY COVERED WITH CERTIFIED COASTAL BERMUDA GRASS OR AN FDOT APPROVED ALTERNATIVE GRASS SOD. THIS PROVISION SHALL BE MET A MINIMUM OF 24 HOURS IN ADVANCE OF ANY PLANNED PAVING OR CONCRETE POUR THAT IS APPROVE UNDER THE FDOT ACCESS OR DRAINAGE PERMIT. REFER TO THE ATTACHED PERMIT COVER LETTER AND/OR APPROVED SITE PLAN OR PLAN NOTES ON RW RESTORATION FOR ADDITIONAL RESTORATION PROVISIONS AND OTHER SODDING SPECIFICATIONS.
 8. THE PERMITTEE OR LEGAL REPRESENTATIVE SHALL CONTACT THE LOCAL STATE OF FLORIDA FDOT MAINTENANCE PERMITS OFFICE HAVING JURISDICTION OVER THIS APPROVED PERMIT. A MINIMUM OF 48 HOURS IN ADVANCE OF THE PLANNED ACTIVATION OF SAID ACCESS PERMIT FOR THE EXPLICIT PURPOSE OF SETTING UP THE MANDATORY PRE - CONSTRUCTION MEETING WITH ALL PARTIES INVOLVED IN THE CONSTRUCTION PROJECT. CONTACT CAN BE MADE BY CALLING (386) 981-7180 OR 7183 OR 7148 TUESDAY THROUGH FRIDAY, 7:00 A.M. TO 5:00 P.M. FAILURE ON THE PERMITTEES OR HIS GENERAL CONSTRUCTION CONTRACTORS PART TO MAKE ADVANCE CONTACT FOR A MUTUALLY AGREED TO PRE - CONSTRUCTION MEETING SHALL BE REASON FOR SUSPENSION OF THE APPROVED FDOT ACCESS PERMIT.
 9. ALL PERMITTED AND PROPOSED WORK/CONSTRUCTION UPON STATE FDOT RIGHT - OF - WAY SHALL CONFORM TO THE STATE OF FLORIDA'S MOST CURRENT ROADWAY AND TRAFFIC DESIGN STANDARDS MANUAL, THE STATE FDOT'S STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, THE APPROVED PERMIT PROVISIONS, COVER LETTER, GENERAL AND SPECIAL PERMIT PROVISIONS.
 10. IF DRAINAGE CONNECTION HAS BEEN PERMITTED AND IS REQUIRED AS A PROVISION OF THE APPROVED FDOT SITE PLAN AND PHYSICAL DRAINAGE CONNECTION IS REQUIRED IN EXISTING STRUCTURES, THEN THE ACTUAL ENTRY SHALL BE MADE BY SLOPED METHOD ONLY WITH NO MORE THAN MAXIMUM OF 0.500 OF AN INCH OVERSLOPE ALL ONS. THE PERMITTEE SHALL MAKE ADVANCE PREPARATIONS TO HAVE THE FDOT PERMITS INSPECTOR ON SITE AT THE TIME OF COMMENCEMENT OF ENTRY TO ENSURE WATER TIGHT SEAL IS MADE TO FDOT STANDARDS. NEITHER THE PERMITTEE NOR ANY REPRESENTATIVE PERMITTEE SHALL CONDUCT THIS PHASE OF THE PROJECT WITHOUT A FDOT INSPECTOR ON SITE.
 11. ALL PERMITTED ABOVEGROUND SIGNAGE SHALL CONFORM TO FDOT INDEX NO. 11860 AND 17302. ABOVEGROUND POSTED SIGNS AND SIGN BRACKET ATTACHMENTS SHALL BE INSTALLED PRIOR TO THE FINAL DRIVEWAY CONSTRUCTION IN ACCORDANCE WITH FDOT INDEXES 11860 AND 17302.
 12. FAILURE TO ABIDE BY THE ATTACHED GENERAL, SPECIAL, PERMIT PROVISIONS, AS WELL AS THE ATTACHED COVER LETTER (A LEGAL PART OF THE PERMIT) SHALL BE REASON TO SUSPEND ANY OR ALL FDOT APPROVED PERMITTED ACTIVITIES UNTIL SUCH TIME THAT THE SITUATION HAS BEEN CORRECTED TO FDOT SATISFACTION.



NOTES:
1. LEAD FREE THERMOPLASTIC PAINT SHALL BE USED FOR ALL ROADWAY MARKINGS WITHIN FDOT RIGHT OF WAY



PROJECT NUMBER: 0309125&S

SIGNATURE & SEAL

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11/19/06

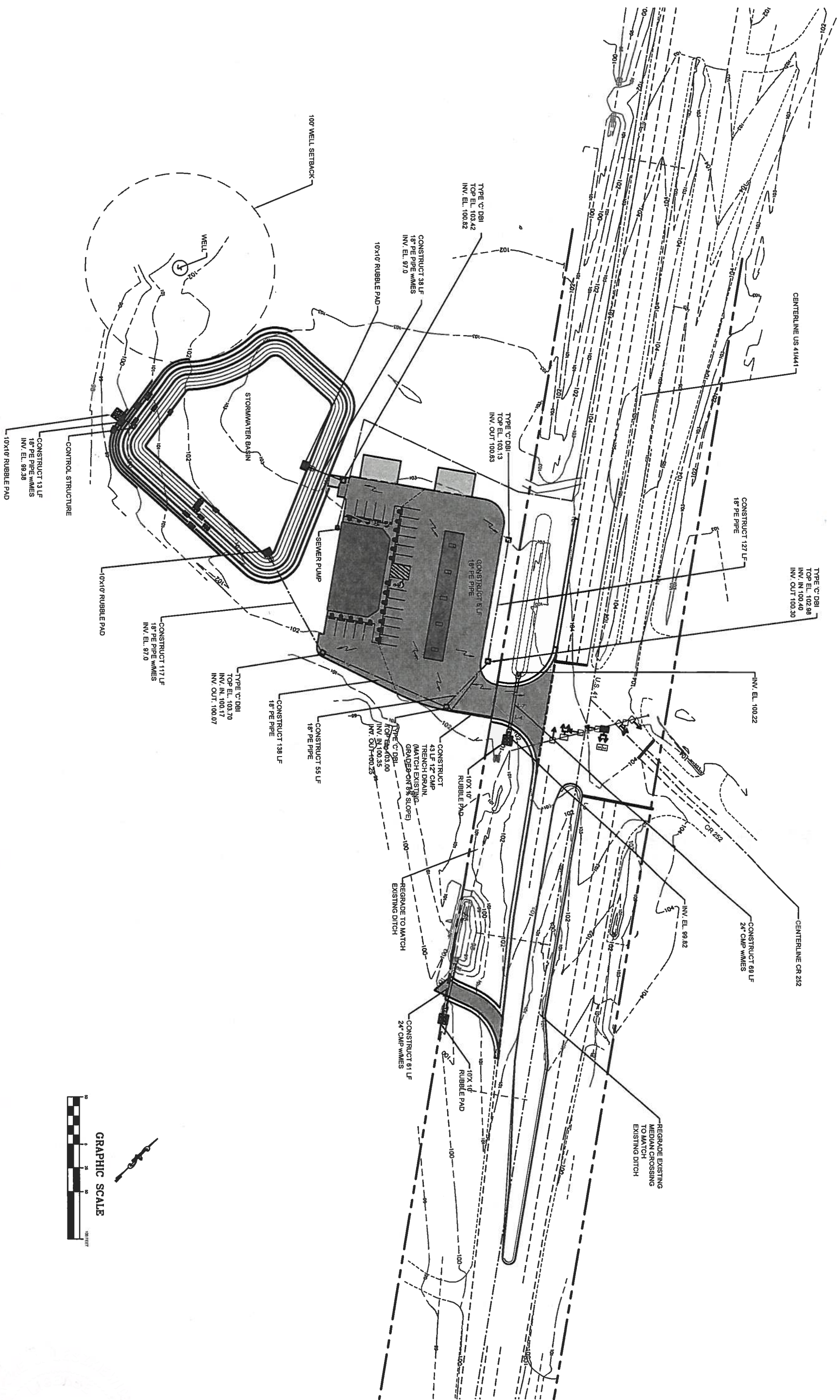
SHEET NO. C7

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S&S FOOD STORE
DRIVEWAY CONNECTION
LAKE CITY, FL

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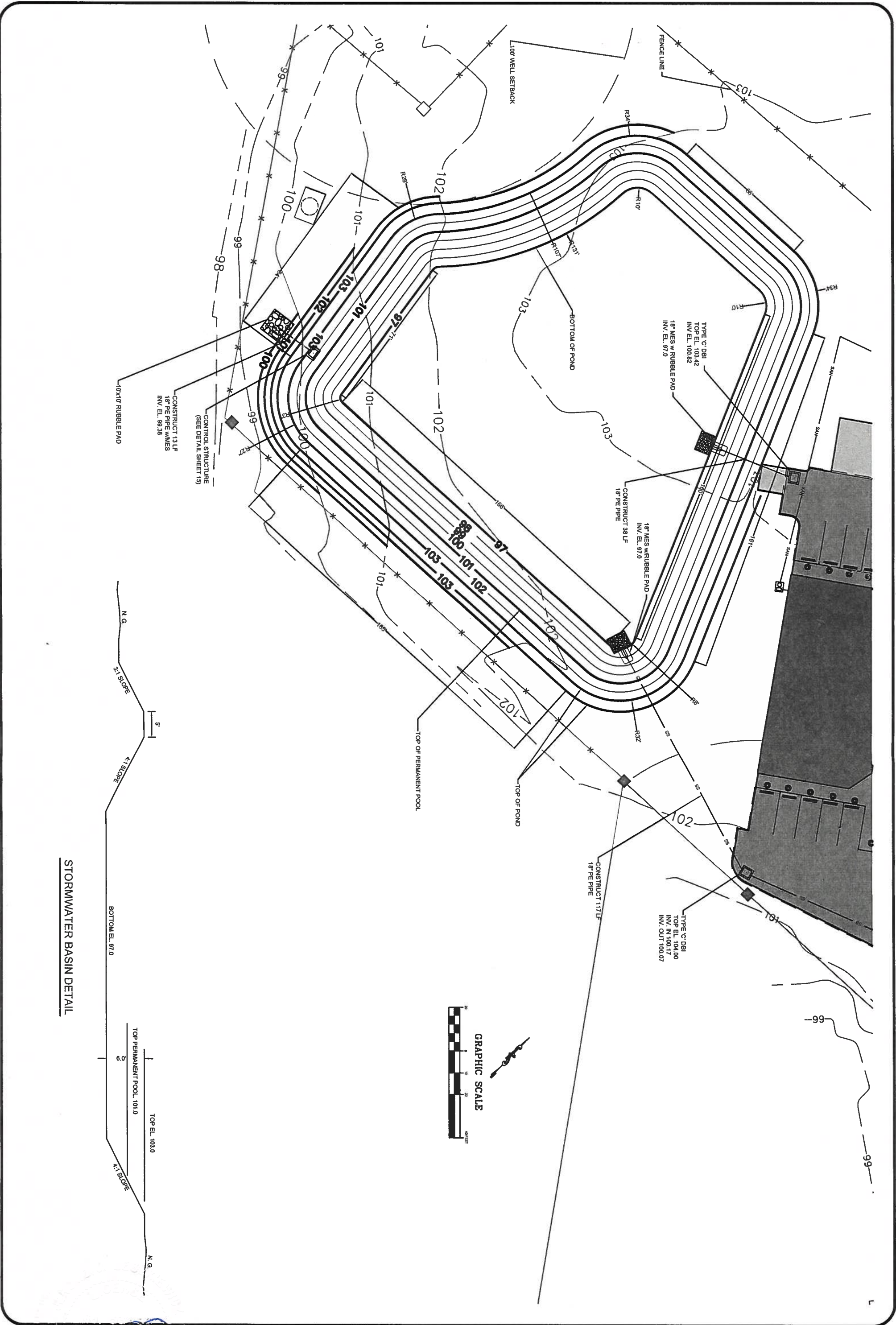
JOB NUMBER: 030912589
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S&S FOOD STORE **STORMWATER MGMT** **LAKE CITY, FL**



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STORMWATER BASIN DETAIL

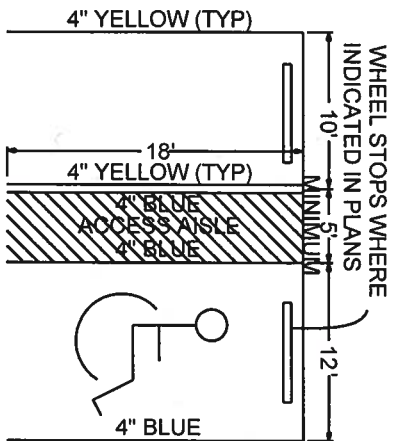
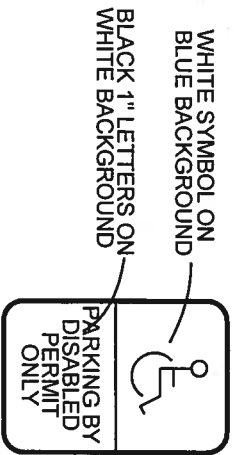
JOB NUMBER: 030912885
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534821
11/19/06

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S&S FOOD STORE
STORMWATER BASIN
LAKE CITY, FL



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SIGN SHALL BE PLACED IN FRONT OF ALL DESIGNATED HANDICAPPED SPACES. SIGN HEIGHT SHALL BE 7' FROM PAVEMENT TO BOTTOM OF SIGN.

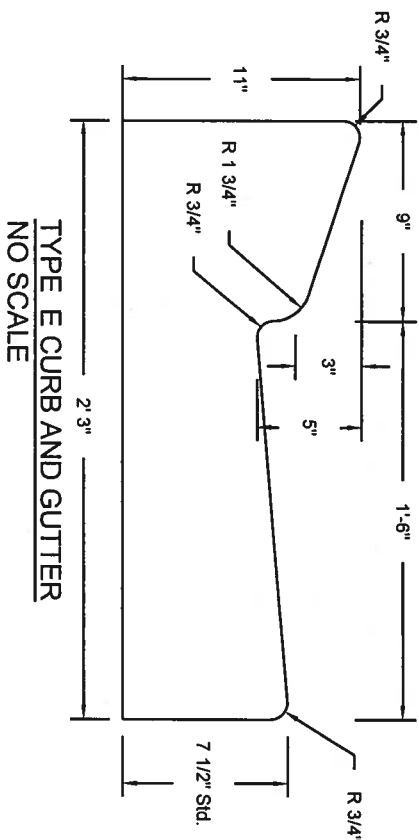
5' HANDICAPPED AISLE MAY BE PLACED ON THE RIGHT OR LEFT SIDE OF PARKING STALL.

HANDICAPPED PARKING SYMBOL SHALL BE 3 OR 5 FT. HIGH AND BLUE IN COLOR

SEE SITE PLAN FOR ADDITIONAL PARKING STALL DIMENSIONS

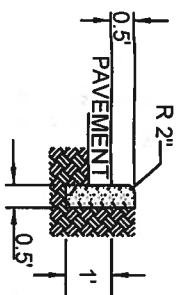
PARKING STALL DETAIL

NO SCALE



TYPE E CURB AND GUTTER

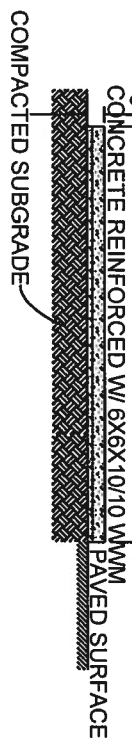
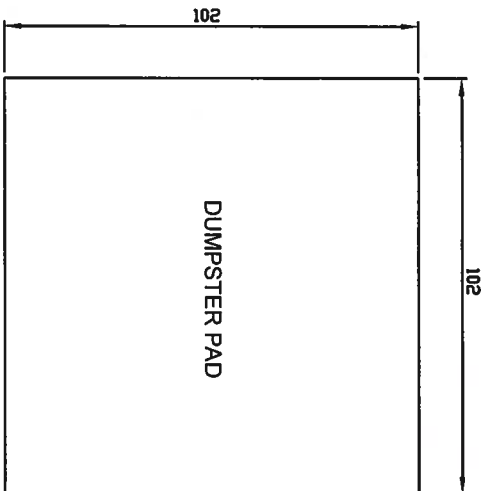
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PROVIDE 1/8\"-1/4\" CONTRACTION JOINTS AT 10' CENTERS MAXIMUM.

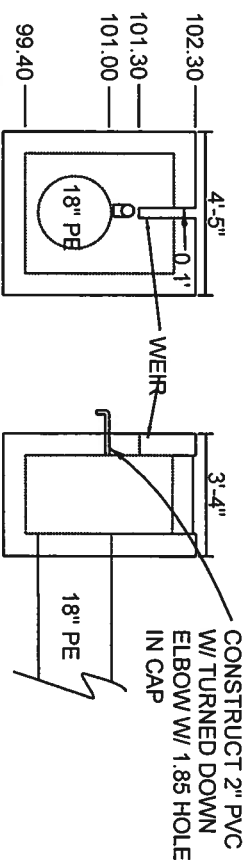
HEADER CURB DETAIL

NO SCALE



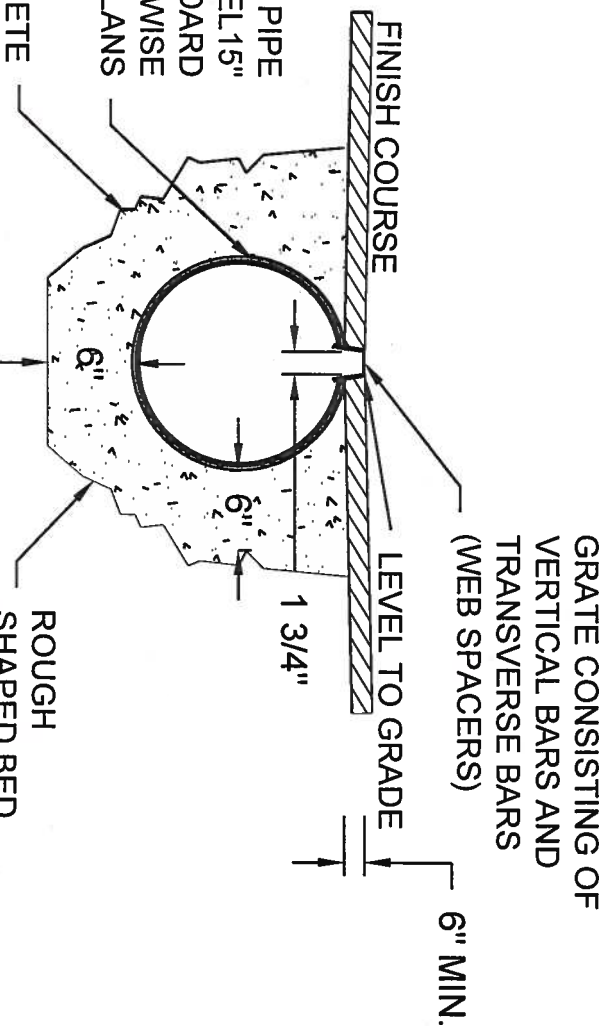
12 X 12' DUMPSTER PAD DETAIL

NO SCALE



CONTROL STRUCTURE DETAIL

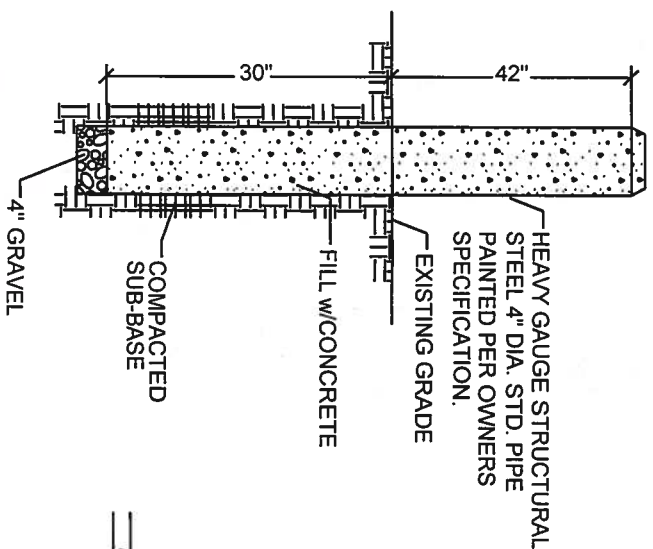
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GRATE CONSISTING OF VERTICAL BARS AND TRANSVERSE BARS (WEB SPACERS)

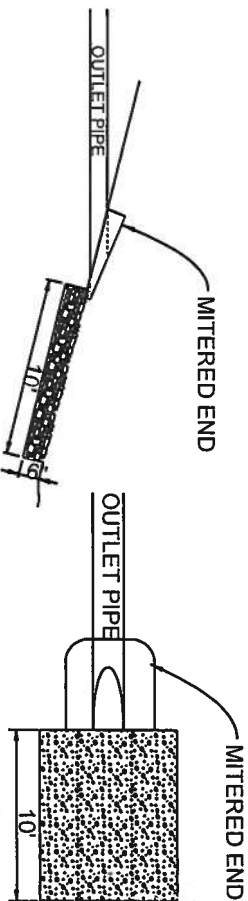
TRENCH DRAIN DETAIL

NO SCALE



STEEL BOLLARD DETAIL

NO SCALE



RUBBLE PAD DETAIL

NO SCALE



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S&S FOOD STORE
TYPICAL DETAILS
LAKE CITY, FL

REVISIONS:
01/13/06

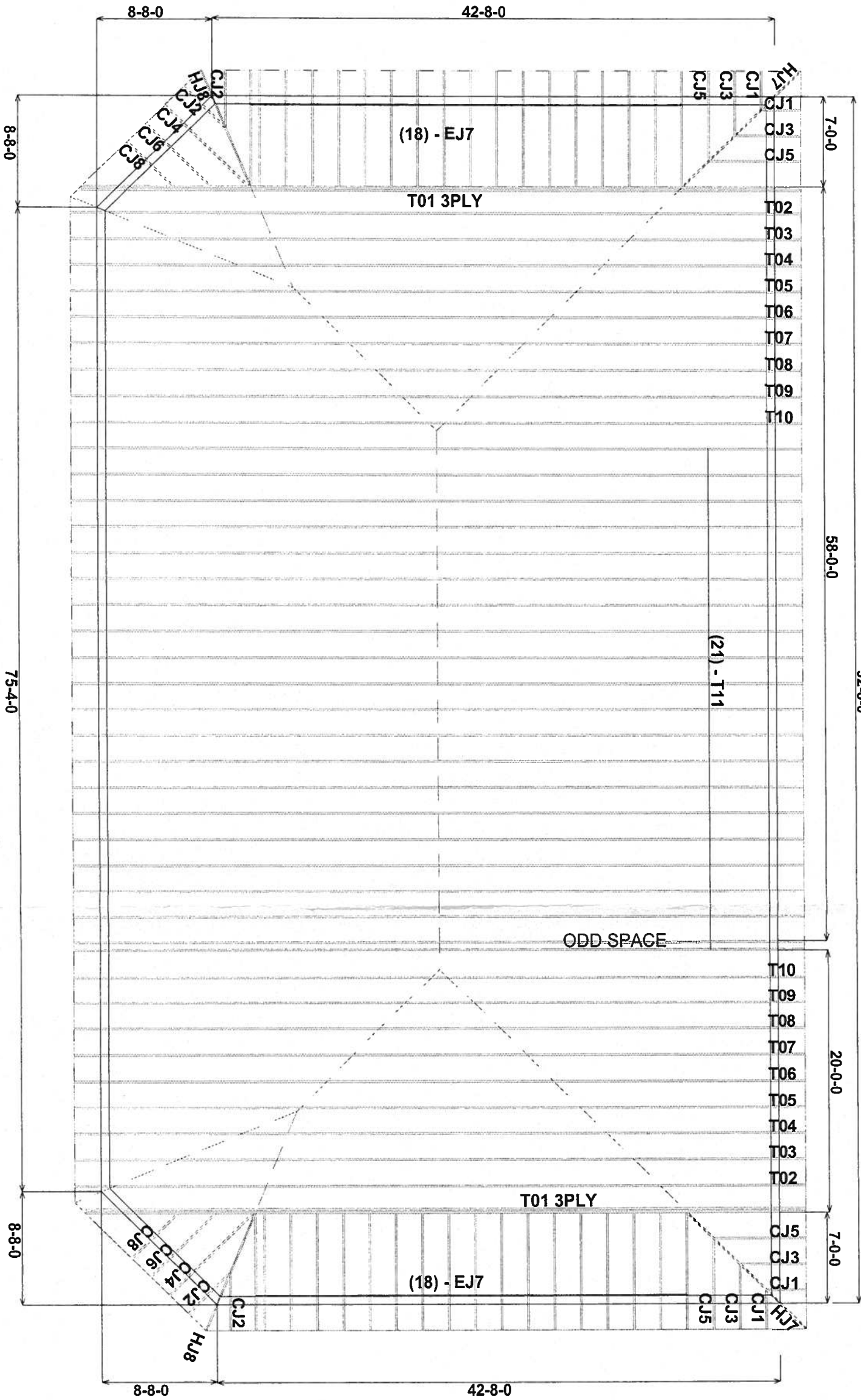
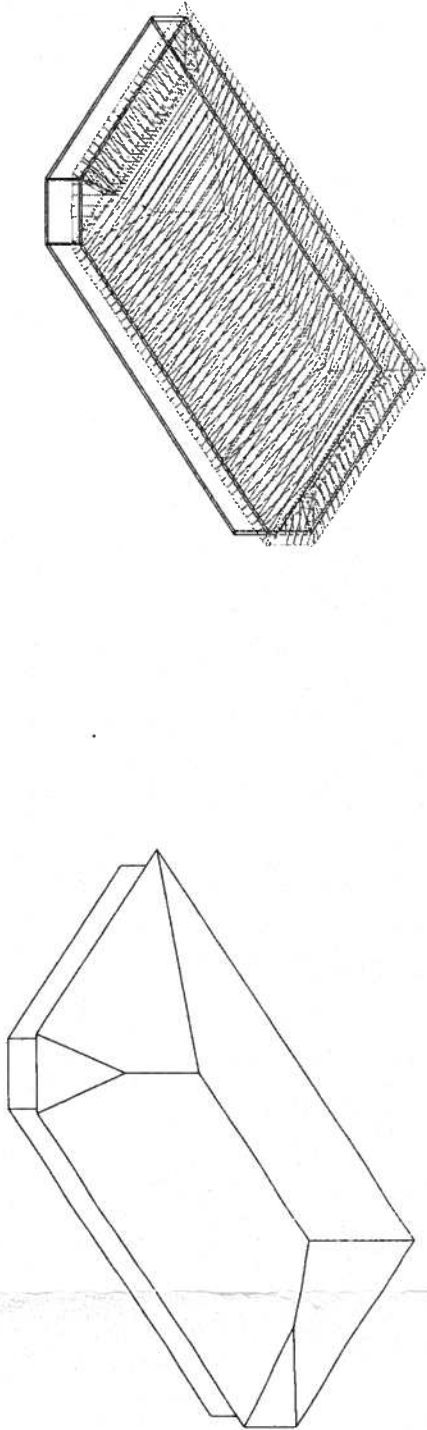
JOB NUMBER: 0369125&S

SIGNATURE & SEAL

SHEET NO.
C11

BEARING HEIGHT SCHEDULE

1 st STORY



NOTES:

- 1) REFER TO HD 9 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY DRAGING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT DRAGING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DETACHED OR KEPT TO DETAIL VOS FOR ALTERNATE DRAGING RECOMMENDATIONS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BOLLDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2' O.C. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL ROOF TRUSS HANGERS TO BE SHAWSON HTU 26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SHAWSON THA422 UNLESS OTHERWISE NOTED.
- 8) BEARING AREA INTEL. (APR) TO BE FURNISHED BY BOLLDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOS. ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS, REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Deposited Drawing Date: _____

Approved by: _____ Date: _____



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Sanford
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BUILDER:
ONEAL ROOFING

LEGAL ADDRESS:
COLUMBIA, FL

MODEL:
S&S #28

DATE: _____ **DRAWN BY:** _____ **JOB #:** _____