DATE 04/20/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028498

APPLICANT DAVID ROYALS PHONE 752-7578

ADDRESS 212 SE HICKORY DRIVE LAKE CITY FL 32025

OWNER STAFFORD SCAFF PHONE 752-7344

ADDRESS 2366 SW PINEMOUNT ROAD LAKE CITY FL 32024

CONTRACTOR O'NEAL CONTRACTING PHONE 752-7578

LOCATION OF PROPERTY 90W, TR PINEMOUNT RD, TO BIRLEY ROAD

TYPE DEVELOPMENT COMM. STORE S&S #29 ESTIMATED COST OF CONSTRUCTION 625000.00

HEATED FLOOR AREA 5000.00 TOTAL AREA 5000.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB

LAND USE & ZONING CN MAX. HEIGHT 24

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

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

PARCEL ID 05-4S-16-02777-000 SUBDIVISION ____

LOT ____ BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES 3.10

000001806 ____ CBC057550 ____

Culvert Permit No. | Culvert Waiver | Contractor's License Number | Applicant/Owner/Contractor

CULVERT 10-146 BK HD N

Driveway Connection | Septic Tank Number | LU & Zoning checked by | Approved for Issuance | New Resident

COMMENTS: NOC ON FILE, MFE @ 118' PER PLAT,ELEVATION CONFIRMATION

LETTER REQUIRED AT SLAB, SDP 09-4

Check # or Cash 18566

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

Framing ____ date/app. by | Insulation ____ date/app. by

Rough-in plumbing above slab and below wood floor ____ date/app. by | Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by | Peri. beam (Lintel) ____ date/app. by | Pool ____ date/app. by

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

Pump pole ____ date/app. by | Utility Pole ____ date/app. by | M/H tie downs, blocking, electricity and plumbing ____ date/app. by

Reconnection ____ date/app. by | RV ____ date/app. by | Re-roof ____ date/app. by

BUILDING PERMIT FEE $ $ 3,125.00 CERTIFICATION FEE $ 25.00 SURCHARGE FEE $ 25.00

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

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** $ 3,275.00

INSPECTORS OFFICE ____ CLERKS OFFICE CH

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

CK# 806

Columbia County Building Permit Application

For Office Use Only Application # 1003-42 Date Received 3/25/10 By CF Permit # 28498

Zoning Official BLK Date 19.04.10 Flood Zone X Land Use A-3 Zoning CN

FEMA Map # N/A Elevation N/A MFE 118.0' River N/A Plans Examiner NO Date 4-12-10

Comments Elevation Confirmation Letter per plans Required At Slab SDP 09-4

☐ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter

IMPACT FEES: EMS Fire Corr Road/Code

School = TOTAL N/A Suspended ☐ UF

Septic Permit No. 10-146-N Fax

Name Authorized Person Signing Permit DAVID ROYAL Phone 386-752-7578

Address 212 S.E. HICKORY DRIVE LAKE CITY, FL 32025

Owners Name STAFFORD L. & ANNE C. SCAFF Phone 386-752-7344

911 Address 2366 SW Pinemount Rd. Lake City, FL 32024

Contractors Name O'NEAL CONTRACTING Phone 386-752-7578

Address

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address CRAIG SALLEY & ASSOCIATES

Mortgage Lenders Name & Address

Circle the correct power company – FL Power & Light – Clay Elec. – Suwannee Valley Elec. – Progress Energy

Property ID Number 05-4S-16-02777-000 Estimated Cost of Construction

Subdivision Name Lot Block Unit Phase

Driving Directions U.S. 90 WEST TO PINEMOUNT ROAD, CONTINUE TO BIRLEY ROAD.

Number of Existing Dwellings on Property 0

Construction of Store (commercial) Total Acreage 3.1 Lot Size

Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 24'-1 3/4"

Actual Distance of Structure from Property Lines - Front 220' Side 112.5' Side 153.1' Rear 53.5'

Number of Stories 1 Heated Floor Area 5,000 Total Floor Area 5,000 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. **CODE:** Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full.
This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: ***YOU ARE HEREBY NOTIFIED*** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's Signature (Permitee) JOHN W. O'NEAL
O'NEAL CONTRACTING, INC.

Contractor's License Number CBC057550
Columbia County Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 19th **day of** March **20** 10

Personally known ✓ **or Produced Identification**

Cindy Edge
State of Florida Notary Signature (For the Contractor)

SEAL:

CINDY EDGE
Commission DD 779357
Expires July 20, 2012
Bonded Thru Troy Fain Insurance 800-365-7019

Columbia County
BUILDING DEPARTMENT

MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR THE FLORIDA BUILDING CODE ,FLORIDA PLUMBING CODE,FLORIDA MECHINICAL CODE,FLORIDA FUEL AND GAS CODE 2007 EFFECTIVE 1 MARCH 2009 & 2009 SUPPLEMENTS EFFECTIVE 1 MARCH 2009 with Supplements and Revision OF THE NATIONAL ELECTRICAL 2008

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FBC FIGURE 1609 STATE OF FLORIDA WIND-BORNE DEBRIS REGION & BASIC WIND SPEED MAP

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75
ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ---------- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ---------- 110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

	GENERAL REQUIREMENTS:	Items to Include- Each Box shall be Circled as Applicable		
1	All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void.	YES	NO	N/A
2	If the design professional is an architect or engineer legally registered under the laws of this state regulating the practice of architecture as provided for in Chapter 481, Florida Statutes, Part I, or engineering as provided for in Chapter 471, Florida Statutes, then he or she shall affix his or her official seal to said drawings, specifications and accompanying data, as required by Florida Statute.	YES	NO	N/A
3	The design professional signature shall be affixed to the plans	YES	NO	N/A
4	Two (2) complete sets of plans with the architecture or engineer signature and the date the affix embossed official seal was placed on the plans	YES	NO	N/A

Two (2) complete sets of plans containing the following information:

	Building Site Plan Requirements	Items to Include- Each Box shall be Circled as Applicable		
4	Parking, including provision FBC chapter 11 for the required accessible parking site	Yes	No	N/A
5	Fire access, showing all drive way which will be accessible for emergency vehicles	Yes	No	N/A
6	Driving/turning radius of parking lots	Yes	No	N/A
7	Vehicle loading include truck dock loading or rail site loading	Yes	No	N/A
8	Nearest or number of onsite Fire hydrant/water supply/post indicator valve (PIV)	Yes	No	N/A
9	Set back of all existing or proposed structures from each structure and property boundaries, Show all separation including assumed property lines	Yes	No	N/A
10	Location of specific tanks(above or under grown ,water lines and sewer lines and septic tank and drain fields	Yes	No	N/A
11	All structures exterior views include finished floor elevation	Yes	No	N/A
12	Total height of structure(s) form established grade	Yes	No	N/A
	Review required by the Columbia County Fire Department Items 13Th 43			

	Occupancy group use circle all uses:	Group A	Group B	Group E	Group F	Group H	Group I	Group M	Group R	Group S	Group U D

13	Special occupancy requirements.	Yes	(No)	N/A
14	Incidental use areas (total square footage for each room of use area)	Yes	(No)	N/A
15	Mixed occupancies	Yes	(No)	N/A
16	REQUIRED SEPARATION OF OCCUPANCIES IN HOURS FBC TABLE 302.3.2	Yes	(No)	N/A

Minimum type of permitted construction by code for occupancy use circle the construction type FBC 602

17	Type I	Type II	Type III	Type IV	Type V	

	Fire-resistant construction requirements shall be shown, include the following components			
18	Fire-resistant separations	(Yes)	No	N/A
19	Fire-resistant protection for type of construction	(Yes)	No	N/A
20	Protection of openings and penetrations of rated walls	(Yes)	No	N/A
21	Protection of corridors and penetrations of rated walls	(Yes)	No	N/A
22	Fire blocking and draftstopping and calculated fire resistance	(Yes)	No	N/A
	Fire suppression systems shall be shown include:			
23	Early warning smoke evacuation systems Schematic fire sprinklers Standpipes	Yes	No	(N/A)
24	Standpipes	Yes	No	(N/A)
25	Pre-engineered systems	Yes	No	(N/A)
26	Riser diagram	Yes	No	(N/A)
	Life safety systems shall be shown include the following requirements:			
27	Occupant load and egress capacities	(Yes)	No	N/A
28	Early warning	Yes	No	N/A
29	Smoke control	Yes	No	N/A
30	Stair pressurization	Yes	No	N/A
31	Systems schematic	Yes	No	N/A
	Occupancy load/egress requirements shall be shown include:			
32	Occupancy load	(Yes)	No	N/A
33	Gross occupancy load	(Yes)	No	N/A
34	Net occupancy load	(Yes)	No	N/A
35	Means of egress	(Yes)	No	N/A
36	Exit access	(Yes)	No	N/A
37	Exit discharge	(Yes)	No	N/A
38	Stairs construction/geometry and protection	Yes	No	(N/A)
39	Doors	(Yes)	No	N/A

40	Emergency lighting and exit signs	Yes	No	N/A
41	Specific occupancy requirements	Yes	No	N/A
42	Construction requirements	Yes	No	N/A
43	Horizontal exits/exit passageways	Yes	No	N/A

		Items to Include- Each Box shall be Circled as Applicable		
Structural requirements shall be shown include:				
44	Soil conditions/analysis	Yes	No	N/A
45	Termite protection	Yes	No	N/A
46	Design loads	Yes	No	N/A
47	Wind requirements	Yes	No	N/A
48	Building envelope	Yes	No	N/A
49	Structural calculations (if required)	Yes	No	N/A
50	Foundation **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	Yes	No	N/A
51	Wall systems	Yes	No	N/A
52	Floor systems	Yes	No	N/A
53	Roof systems	Yes	No	N/A
54	Threshold inspection plan	Yes	No	N/A
55	Stair systems	Yes	No	N/A
Materials shall be shown include the following				
56	Wood	Yes	No	N/A
57	Steel	Yes	No	N/A
58	Aluminum	Yes	No	N/A
59	Concrete	Yes	No	N/A
60	Plastic	Yes	No	N/A
61	Glass	Yes	No	N/A
62	Masonry	Yes	No	N/A
63	Gypsum board and plaster	Yes	No	N/A
64	Insulating (mechanical)	Yes	No	N/A
65	Roofing	Yes	No	N/A
66	Insulation	Yes	No	N/A
Accessibility requirements shall be shown include the following				
67	Site requirements	Yes	No	N/A
68	Accessible route	Yes	No	N/A
69	Vertical accessibility	Yes	No	N/A
70	Toilet and bathing facilities	Yes	No	N/A
71	Drinking fountains	Yes	No	N/A
72	Equipment	Yes	No	N/A
73	Special occupancy requirements	Yes	No	N/A
74	Fair housing requirements	Yes	No	N/A
Interior requirements shall include the following				
75	**Review required by the Columbia County Fire Department Items 75Th 80** Interior finishes (flame spread/smoke development)	Yes	No	N/A
76	Light and ventilation	Yes	No	N/A
77	Sanitation	Yes	No	N/A
Special systems				
78	Elevators	Yes	No	N/A
79	Escalators	Yes	No	N/A
80	Lifts	Yes	No	N/A
Swimming pools				
81	Barrier requirements	Yes	No	N/A
82	Spas	Yes	No	N/A
83	Wading pools	Yes	No	N/A

	Items to Include-Each Box shall be Circled as Applicable			
	Electrical			
84	Wiring	Yes	No	N/A
85	Services **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	Yes	No	N/A
86	Feeders and branch circuits	Yes	No	N/A
87	Overcurrent protection	Yes	No	N/A
88	Grounding	Yes	No	N/A
89	Wiring methods and materials	Yes	No	N/A
90	GFCIs	Yes	No	N/A
91	Equipment	Yes	No	N/A
92	Special occupancies	Yes	No	N/A
93	Emergency systems	Yes	No	N/A
94	Communication systems	Yes	No	N/A
95	Low voltage	Yes	No	N/A
96	Load calculations	Yes	No	N/A
	Plumbing			
97	Minimum plumbing facilities	Yes	No	N/A
98	Fixture requirements	Yes	No	N/A
99	Water supply piping	Yes	No	N/A
100	Sanitary drainage	Yes	No	N/A
101	Water heaters	Yes	No	N/A
102	Vents	Yes	No	N/A
103	Roof drainage	Yes	No	N/A
104	Back flow prevention	Yes	No	N/A
105	Irrigation	Yes	No	N/A
106	Location of water supply line	Yes	No	N/A
107	Grease traps	Yes	No	N/A
108	Environmental requirements	Yes	No	N/A
109	Plumbing riser	Yes	No	N/A
	Mechanical			
110	Energy calculations	Yes	No	N/A
111	**Review required by the Columbia County Fire Department Items 111Th 114** Exhaust systems	Yes	No	N/A
112	Clothes dryer exhaust	Yes	No	N/A
113	Kitchen equipment exhaust	Yes	No	N/A
114	Specialty exhaust systems	Yes	No	N/A
	Equipment location			
115	Make-up air	Yes	No	N/A
116	Roof-mounted equipment	Yes	No	N/A
117	Duct systems	Yes	No	N/A
118	Ventilation	Yes	No	N/A
119	Laboratory	Yes	No	N/A
120	Combustion air	Yes	No	N/A
121	Chimneys, fireplaces and vents	Yes	No	N/A
122	Appliances	Yes	No	N/A
123	Boilers	Yes	No	N/A
124	Refrigeration	Yes	No	N/A
125	Bathroom ventilation	Yes	No	N/A

	Items to Include-Each Box shall be Circled as Applicable			
	Gas			
126	**Review required by the Columbia County Fire Department Items 126Th 134** Gas piping	(Yes)	No	N/A
127	Venting	(Yes)	No	N/A
128	Combustion air	Yes	No	(N/A)
129	Chimneys and vents	Yes	No	(N/A)
130	Appliances	(Yes)	No	N/A
131	Type of gas	(Yes)	No	N/A
132	Fireplaces	Yes	No	(N/A)
133	LP tank location	(Yes)	No	N/A
134	Riser diagram/shutoffs	(Yes)	No	N/A
	Notice of Commencement			
135	A recorded (in the Columbia County Clerk Office) notice of commencement is required to be on file with the building department . *Before Any Inspections Will Be Done*	(Yes)	No	N/A
	Disclosure Statement for Owner Builders	Yes	No	N/A

	Private Potable Water			
136	Horse power of pump motor	Yes	No	N/A
137	Capacity of pressure tank	Yes	No	N/A
138	Cycle stop valve if used	Yes	No	N/A

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

139	**Building Permit Application**	A current Building Permit Application form is to be completed and submitted for all construction projects.	(Yes)	No	N/A
140	**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	(Yes)	No	N/A
141	**Environmental Health Permit or Sewer Tap Approval**	A copy of an approved Environmental Health (386) 758-1058 waste water disposal permit or an approved City of Lake City(386) 752-2031 sewer tap is required before a building permit can be issued. **Toilet facilities shall be provided for construction workers**	(Yes)	No	N/A
142	**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. Use or joint use of driveways will comply with Florida Department of Transportation specifications**. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	Yes	No	N/A
143	**Suwannee River Water Management District Approval**	All commercial projects must have an SRWMD permit issued or an exemption letter, before a building permit will be issued.	Yes	No	N/A

144	**Flood Management**	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 Columbia County Land Development Regulations. A development permit will also be required. **The development permit cost is $50.00**	Yes	No	N/A
145	**Flood Management**	A CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.	Yes	No	N/A
146	**911 Address**	If the project is located in an area where a 911 address has not been issued, then application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	Yes	No	N/A

Pursuant to Chapter one (administration) section R101.2.1 of the Florida Building Code: Section 105.3.2 **Time limitation of application**. An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Pursuant to Chapter one (administration) section R101.2.1 of the Florida Building Code: Section 105.4.1 **Permit intent.** A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning 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	VISTAWAY	EXTERIOR SWINGING DOORS	FL12125
2. Sliding	VISTAWAY		
3. Sectional	VISTAWAY		
4. Roll up	VISTAWAY		
5. Automatic	VISTAWAY		
6. Other	VISTAWAY		
B. WINDOWS	N/A		
1. Single hung	N/A		
2. Horizontal Slider	N/A		
3. Casement	N/A		
4. Double Hung	N/A		
5. Fixed	N/A		
6. Awning	N/A		
7. Pass -through	N/A		
8. Projected	N/A		
9. Mullion	N/A		
10. Wind Breaker	N/A		
11 Dual Action	N/A		
12. Other	N/A		
C. PANEL WALL			
1. Siding	N/A		
2. Soffits	N/A		
3. EIFS	BASF	EXTERNAL INSULATED FINISH SYSTEM	FL 5988
4. Storefronts	N/A		
5. Curtain walls	N/A		
6. Wall louver	N/A		
7. Glass block	N/A		
8. Membrane	N/A		
9. Greenhouse	N/A		
10. Other	N/A		
D. ROOFING PRODUCTS			
1. Asphalt Shingles	N/A		
2. Underlayments	TAMCO	METAL & TILE UNDERLAYMENT	FL 1478.1
3. Roofing Fasteners	N/A		
4. Non-structural Metal	BERRIDGE	CEE-LOC PANELS	FL 11269.3
Rf 5. Built-Up Roofing	N/A		
6. Modified Bitumen	N/A		
7. Single Ply Roofing Sys	JOHNS MANVILLE	TPO ROOFING	FL 11475
8. Roofing Tiles	N/A		
9. Roofing Insulation	JOHNS MANVILLE	ROOFING INSULATION BOARD	FL 4205.1
10. Waterproofing	N/A		
11. Wood shingles /shakes	N/A		
12. Roofing Slate	N/A		

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

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.

John W O'Neal — John W. O'Neal — 3-23-10

Contractor or Contractor's Authorized Agent Signature | Print Name | Date

Location

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1003-42 CONTRACTOR O'NEAL CONTRACTING PHONE 386-752-7578

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL OK 10	Print Name MALCOLM COURSON License #: ER0002038	Signature Phone #: 752.8575
MECHANICAL/ A/C 837 OK	Print Name CHRIS WILLIAMS License #: CAC057795	Signature Phone #: 386 752-5841
PLUMBING/ GAS OK 795	Print Name MARK DAWSON License #: CFC1427245	Signature Phone #: 386-752-4716
ROOFING OK 511	Print Name JOHN O'NEAL License #: CCC016346	Signature Phone #: 752.7578
SHEET METAL	Print Name JOHN O'NEAL License #: CCC016346	Signature Phone #: 752.7578
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON OK	000246	ED DENNARD	
CONCRETE FINISHER OK	000218	TONY E. JORDAN, SR.	
FRAMING OK	CBC057549	DWIGHT RHODES	
INSULATION	CBC057549	DWIGHT RHODES	
STUCCO	CBC057549	DWIGHT RHODES	
DRYWALL	CBC057549	DWIGHT RHODES	
PLASTER	N/A	N/A	N/A
CABINET INSTALLER OK	000745	JOHN MILTON	
PAINTING	CBC057549	DWIGHT RHODES	
ACOUSTICAL CEILING	CBC057549	DWIGHT RHODES	
GLASS OK	000618	CARL BULLARD	
CERAMIC TILE			
FLOOR COVERING	000710	MARC A. VANN	
ALUM/VINYL SIDING	N/A	N/A	N/A
GARAGE DOOR	N/A	N/A	N/A
METAL BLDG ERECTOR	N/A	N/A	N/A

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

1003-42

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: 3/29/2010 **DATE ISSUED:** 4/1/2010

ENHANCED 9-1-1 ADDRESS:

2366 SW PINEMOUNT RD

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

05-4S-16-02777-000

Remarks:

S&S STORE

CC- Jenny
Harold
Sherry
Tammy
Leslie

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.

1682

Florida Energy Efficiency Code For Building Construction

Florida Department of Community Affairs

EnergyGauge Summit® Fla/Com-2008, Effective: March 1, 2009 -- Form 400A-2008

Method A: Whole Building Performance Method for Commercial Buildings

PROJECT SUMMARY

O'Neal Construction

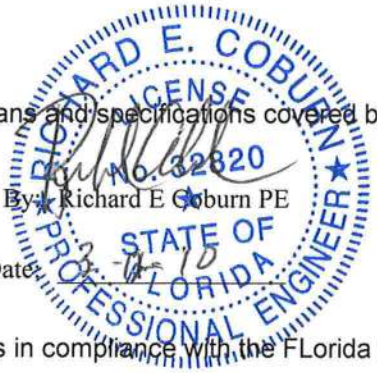
Short Desc:	1003	**Description:**	S&S #29
Owner:	Enter Owner's name here		
Address1:	Birley and Pinemount Road	**City:**	Lake City
Address2:	Enter Address here	**State:**	Fl
		Zip:	0
Type:	Retail	**Class:**	New Finished building
Jurisdiction:	COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)		
Conditioned Area:	4887 SF	**Conditioned & UnConditioned Area:**	4887 SF
No of Stories:	1	**Area entered from Plans**	0 SF
Permit No:	0 28498	**Max Tonnage**	7.6
Jurisdiction: 221000		**If different, write in:**	_____

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in $)	4,640.0	6,109.0	**PASSED**
LIGHTING CONTROLS			**PASSES**
EXTERNAL LIGHTING			**PASSES**
HVAC SYSTEM			**PASSES**
PLANT			**None Entered**
WATER HEATING SYSTEMS			**Not Checked**
PIPING SYSTEMS			**PASSES**
Met all required compliance from Check List?			**Yes/No/NA**

IMPORTANT MESSAGE
Info 5009 -- -- -- An input report of this design building must be submitted along with this Compliance Report

CERTIFICATIONS



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

Prepared By: Richard E Coburn PE

Date: 3-12-10

Building Official: _____

Date: _____

I certify that this building is in compliance with the FLorida Energy Efficiency Code

Owner Agent: _____

Date: _____

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

Architect:	Craig Salley	Reg No: _____
Electrical Designer:	Richard E Coburn PE	Reg No: E32820
Lighting Designer:	Richard E Coburn PE	Reg No: E32820
Mechanical Designer:	Richard E Coburn PE	Reg No: E32820
Plumbing Designer:	Richard E Coburn PE	Reg No: E32820

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

Project: 1003
Title: S&S #29
Type: Retail
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Building End Uses

	1) Proposed	2) Baseline
Total	*299.90*	*464.60*
	$4,640	*$7,188*
ELECTRICITY(MBtu/kWh/$)	299.90	464.60
	87881	136128
	$4,640	*$7,188*
AREA LIGHTS	63.10	134.30
	18498	39347
	$977	*$2,078*
MISC EQUIPMT	54.90	54.90
	16076	16076
	$849	*$849*
PUMPS & MISC	0.20	0.30
	65	76
	$3	*$4*
SPACE COOL	108.60	143.60
	31806	42083
	$1,679	*$2,222*
SPACE HEAT	4.50	14.30
	1330	4204
	$70	*$222*
VENT FANS	68.60	117.20
	20106	34342
	$1,062	*$1,813*

Passing requires Proposed Building cost to be at most 85% of Baseline cost. This Proposed Building is at 64.6%

PASSES

Project: 1003
Title: S&S #29
Type: Retail
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

External Lighting Compliance

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Walk way less than 10 feet wide	Yes	1.00	104.0	104	1,050
Ext Light 3	Main entries	Yes	30.00	5,400.0	162,000	550

Tradable Surfaces: 1600 (W) Allowance for Tradable: 170209.2 (W) **PASSES**
All External Lighting: 1600 (W)
Complicance check includes a 5% excess allowance of 8105.20(W)

Project: 1003
Title: S&S #29
Type: Retail
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compli-ance
LESTERS GRILL	1	Electrical Mechanical Equipment Room - General	588	1	1	PASSES
DRY STOR	30,002	Medium/Bulky Material Storage	68	1	1	PASSES
OFFICE	17	Office - Enclosed	170	2	1	PASSES
MENS	6	Toilet and Washroom	162	1	1	PASSES
WOMENS	6	Toilet and Washroom	190	1	1	PASSES
FOOD COURT	25,001	Sales Area	174	1	1	PASSES
GEN SALES	25,001	Sales Area	722	1	1	PASSES
GEN SALES	25,001	Sales Area	2,237	1	1	PASSES
STORAGE	30,002	Medium/Bulky Material Storage	244	1	1	PASSES
SEATING AREA	8	Food Service - Leisure Dining	178	1	1	PASSES
ME ROOM	1	Electrical Mechanical Equipment Room - General	154	1	1	PASSES

PASSES

Project: 1003
Title: S&S #29
Type: Retail
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

System Report Compliance

RTU-2 System 1 — **Constant Volume Packaged System--902** — **No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp-liance
Cooling System	Air Conditioners Air Cooled 65000 to 135000 Btu/h Cooling Capacity		11.10	10.30	12.00		PASSES
Heating System	Electric Furnace		1.00	1.00			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.90			PASSES
Air Distribution System	ADS System		6.00				PASSES

RTU-1 System 1 — **Constant Volume Packaged System--902** — **No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp-liance
Cooling System	Air Conditioners Air Cooled 65000 to 135000 Btu/h Cooling Capacity		11.10	10.30	12.00		PASSES
Heating System	Electric Furnace		1.00	1.00			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.90			PASSES
Air Distribution System	ADS System		6.00				PASSES

AC-3 System 3 — **Constant Volume Air Cooled Split System < 65000 Btu/hr** — **No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp-liance
Cooling System	Air Conditioners Air Cooled Split System < 65000 Btu/h Cooling Capacity		13.00	12.23			PASSES
Heating System	Electric Furnace		1.00	1.00			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.90			PASSES
Air Distribution System	ADS System						PASSES

PASSES

Plant Compliance

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

None

Project: 1003
Title: S&S #29
Type: Retail
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Gas Instantaneous water heater	Unknown	0.90				Not Checked

Not Checked

Project: 1003
Title: S&S #29
Type: Retail
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

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
Heating System (Steam, Steam Condensate, & Hot Water)	0.25	False	105.00	0.28	1.50	0.50	PASSES

PASSES

Project: 1003
Title: S&S #29
Type: Retail
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Report	13-101	Input Report Print-Out from EnergyGauge FlaCom attached	☐
Operations Manual	13-102.1, 13-410, 13-413	Operations manual provided to owner	☐
Windows & Doors	13-406.AB.1.1	Glazed swinging entrance & revolving doors: max. 1.0 cfm/ft²; all other products: 0.4 cfm/ft²	☐
Joints/Cracks	13-406.AB.1.2	To be caulked, gasketed, weather-stripped or otherwise sealed	☐
Dropped Ceiling Cavity	13-406.AB.3	Vented: seal & insulated ceiling. Unvented seal & insulate roof & side walls	☐
System	13-407	HVAC Load sizing has been performed	☐
Reheat	13-407.B	Electric resistance reheat prohibited	☐
HVAC Efficiency	13-407, 13-408	Minimum efficiences: Cooling Tables 13-407.AB.3.2.1A-D; Heating Tables 13-407.AB.3.2.1B, 13-407.AB.3.2.1D, 13-408.AB.3.2.1E, 13-408.AB.3.2F	☐
HVAC Controls	13-407.AB.2	Zone controls prevent reheat (exceptions); simultaneous heating and cooling in each zone; combined HAC deadband of at least 5°F (exceptions)	☐
Ventilation Controls	13-409.AB.3	Motorized dampers reqd, except gravity dampers OK in: 1) exhaust systems and 2) systems with design outside air intake or exhaust capacity ≤300 cfm	☐
ADS	13-410	Duct sizing and Design have been performed	☐
HVAC Ducts	13-410.AB	Air ducts, fittings, mechanical equipment & plenum chambers shall be mechanically attached, sealed, insulated & installed per Sec. 13-410 Air Distribution Systems	☐
Balancing	13-410.AB.4	HVAC distribution system(s) tested & balanced. Report in construction documents	☐
Piping Insulation	13-411.AB	In accordance with Table 13-411.AB.2	☐
Water Heaters	13-412.AB	Performance requirements in accordance with Table 13-412.AB.3. Heat trap required	☐
Swimming Pools	13-412.AB.2.6	Cover on heated swimming pools: Time switch (exceptions); Readily accessible on/off switch	☐
Hot Water Pipe Insulation	13-411.AB.3	Table 13-411.AB.2 for circulating systems, first 8 feet of outlet pipe from storage tank and between inlet pipe and heat trap	☐
Water Fixtures	13-412.AB.2.5	Shower hot water flow restricted to 2.5 gpm at 80 psi. Public lavatory fixture how water flow 0.5 gpm max; if self-closing valve 0.25 gallon recirculating, 0.5 gallon non recirculating	☐
Motors	13-414	Motor efficiency criteria have been met	☐
Lighting Controls	13-415.AB	Automatic control required for interior lighting in buildings >5,000 s.f.; Space control; Exterior photo sensor; Tandom wiring with 1 or 3 linear fluuorescent lamps>30W	☐

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001806

DATE 04/20/2010 PARCEL ID # 05-4S-16-02777-000

APPLICANT DAVID ROYALS PHONE 752-7578

ADDRESS 212 SE HICKORY DRIVE LAKE CITY FL 32025

OWNER STAFFORD SCAFF PHONE 752-7344

ADDRESS 2366 SW PINEMOUNT RD. LAKE CITY FL 32024

CONTRACTOR JOHN O'NEAL PHONE 752-7578

LOCATION OF PROPERTY 90W, TR PINEMOUNT RD., TO BIRLEY ROAD

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

SIGNATURE

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

COPY

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 STORE
134 SOUTHEAST COLBURN AVENUE
LAKE CITY, FL 32025

PERMIT NUMBER: ERP09-0230
DATE ISSUED: 01/15/2010
DATE EXPIRES: 01/15/2013
COUNTY: COLUMBIA
TRS: S5/T4S/R16E

PROJECT: S & S #29-PINEMOUNT ROAD

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 STORE
134 SOUTHEAST 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 1.04 acres of impervious surface on a total project area of 3.11 acres in a manner consistent with the application package submitted by GTC Design Group, Inc. certified on December 11, 2009.

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 or mediation. Please refer to enclosed notice of rights.

This permit is issued under the provisions of chapter 373, F.S., chapter 40B-4, and chapter 40B-400, F.A.C. A general permit authorizes the construction, operation, maintenance, alteration,

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

Standard Conditions for All General Permits:

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

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

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

4. Off-site discharges during and after construction shall be made only through the facilities authorized by the permit. Water discharged from the project shall be through structures suitable for regulating upstream stage if so required by the District. Such discharges may be subject to operating schedules established by the District.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

21. For those systems which will be operated or maintained by an entity requiring an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance documents as are required by Paragraph 40B-4.2030(2)(g), F.A.C., and Rule 40B-4.2035, F.A.C., must be submitted to the District for approval. Documents meeting the requirements set forth in these subsections of District rules will be approved. Deed restrictions, easements and other

operation and maintenance documents which require recordation either with the Secretary of State or Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.

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

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

a. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;

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

c. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to

determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;

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

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

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

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

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

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

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

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

authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

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

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

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

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

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

Approved by _____ Date Approved 1/15/10
District Staff

_____ _____
Clerk Executive Director

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

NOTICE OF RIGHTS

1. A person whose substantial interests are or may be determined has the right to request an administrative hearing by filing a written petition with the Suwannee River Water Management District (District), or may choose to pursue mediation as an alternative remedy under Section 120.569 and 120.573, Florida Statutes, before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth in Sections 120.569 and 120.57 Florida Statutes. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). A petition must comply with Chapter 28-106, Florida Administrative Code.

2. If the Governing Board takes action which substantially differs from the notice of District decision to grant or deny the permit application, a person whose substantial interests are or may be determined has the right to request an administrative hearing or may chose to pursue mediation as an alternative remedy as described above. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). Such a petition must comply with Chapter 28-106, Florida Administrative Code.

3. A substantially interested person has the right to a formal administrative hearing pursuant to Section 120.569 and 120.57(1), Florida Statutes, where there is a dispute between the District and the party regarding an issue of material fact. A petition for formal hearing must comply with the requirements set forth in Rule 28-106.201, Florida Administrative Code.

4. A substantially interested person has the right to an informal hearing pursuant to Section 120.569 and 120.57(2), Florida Statutes, where no material facts are in dispute. A petition for an informal hearing must comply with the requirements set forth in Rule 28-106.301, Florida Administrative Code.

5. A petition for an administrative hearing is deemed filed upon receipt of the petition by the Office of the District Clerk at the District Headquarters in Live Oak, Florida.

6. Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing pursuant to Rule 28-106.111, Florida Administrative Code.

7. The right to an administrative hearing and the relevant procedures to be followed is governed by Chapter 120, Florida Statutes, and Chapter 28-106, Florida Administrative Code.

8. Pursuant to Section 120.68, Florida Statutes, a person who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to the Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.

9. A party to the proceeding before the District who claims that a District order is inconsistent with the provisions and purposes of Chapter 373, Florida Statutes, may seek review of the order pursuant to Section 373.114, Florida Statutes, by the Florida Land and Water Adjudicatory Commission, by filing a request for review with the Commission and serving a copy of the Department of Environmental Protection and any person named in the order within 20 days of adoption of a rule or the rendering of the District order.

10. For appeals to the District Courts of Appeal, a District action is considered rendered after it is signed on behalf of the District, and is filed by the District Clerk.

11. Failure to observe the relevant time frames for filing a petition for judicial review, or for Commission review, will result in waiver of the right to review.

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Notice of Rights has been sent by U.S. Mail to:

S & S FOOD STORE
134 SOUTHEAST COLBURN AVENUE
LAKE CITY, FL 32025

At 4:00 p.m. this 19 day of Jan, 2010.

Jon M. Dinges
Deputy Clerk
Suwannee River Water Management District
9225 C.R. 49

Live Oak, Florida 32060
386.362.1001 or 800.226.1066 (Florida only)

cc: File Number: ERP09-0230

Inst 201012006248 Date 4/20/2010 Time 2:06 PM
DC,P DeWitt Cason,Columbia County Page 1 of 1 B 1192 P 2773

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 05-4S-16-02777-000

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property *(legal description)*: COMM AT NW COR OF SW1/4 OF SE1/4, RUN E 12.02 FT FOR POB, CONT E 381.44 FT, S 261.86 FT TO A PT ON NWRLY R/W LINE OF SW PINEMOUNT RD (AKA CR-250), SW ALONG R/W, 395.28 FT TO PT OF INTERS OF SAID NWRLY R/W LINE SW PINEMOUNT RD & E R/W LINE SW BIRLEY AVE, RUN N 60 DG W ALONG E R/W SW BIRLEY AVE CONT N ALONG R/W 431.73 FT TO POB. WD 1185 P 1821.
   a) Street *(job)* Address: 1520 SW PINEMOUNT RD., LAKE CITY, FL 32024
2. General description of improvements: NEW CONVENTENCE STORE CONSTRUCTION
3. Owner Information
   a) Name and address: SCAFF'S INC. - STAFFORD L. & ANNE SCAFF, 134 SE COLBURN AVE. LAKE CITY, FL 32025
   b) Name and address of fee simple titleholder (if other than owner) N/A
   c) Interest in property 100% OWNERSHIP
4. Contractor Information
   a) Name and address: O'NEAL CONTRACTING, INC., P.O. BOX 3505, LAKE CITY, FL 32056
   b) Telephone No.: (386)752-7578 Fax No. (Opt.) (386)755-0240
5. Surety Information
   a) Name and address: N/A
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: N/A
   b) Phone No.
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: N/A
   b) Telephone No.: Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name and address: N/A
   b) Telephone No.: Fax No. (Opt.)
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**:

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. _____
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager

STAFFORD L. SCAFF
Print Name

The foregoing instrument was acknowledged before me , a Florida Notary, this 19th day of March, 20 10, by:

Leste Scaff as President **(type of authority, e.g. officer, trustee, attorney fact) for** Scaff's Inc. **(name of party on behalf of whom instrument was executed).**

Personally Known ✓ OR Produced Identification ____ Type _____

Notary Signature Cindy Edge Notary Stamp or Seal:

CINDY EDGE
Commission DD 779357
Expires July 20, 2012
Bonded Thru Troy Fain Insurance 800-385-7019

AND

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

_____
Signature of Natural Person Signing (in line #10 above.)

1003-52

COPY

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES
ONSITE SEWAGE DISPOSAL SYSTEM
CONSTRUCTION PERMIT
Authority: Chapter 381, FS & Chapter 10D-6, FAC

PERMIT # 10-146-N
DATE PAID
FEE PAID $
RECEIPT #
CR # 09-4814

CONSTRUCTION PERMIT FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Temporary/Experimental System
[ ] Repair [ ] Abandonment [ ] Other (Specify)

APPLICANT: S & S #29 AGENT: GTC DESIGN GROUP

PROPERTY STREET ADDRESS: PINEMOUNT

LOT: _____ BLOCK: _____ SUBDIVISION: MEETS & BOUNDS

PROPERTY ID #: 05-4S-16-02777-000 [SECTION/TOWNSHIP/RANGE/PARCEL NO.]
[OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF CHAPTER 10D-6, FAC REPAIR PERMITS AND HOLDING TANK PERMITS EXPIRE 90 DAYS FROM THE DATE OF ISSUE. ALL OTHER PERMITS EXPIRE 18 MONTHS FROM THE DATE OF ISSUE. HRS APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID.

SYSTEM DESIGN AND SPECIFICATIONS

TANK
[3,200] [GALLONS / GPD] SEPTIC TANK CAPACITY MULTI-CHAMBERED/IN SERIES: [ ]
[ ] [GALLONS / GPD] _____ CAPACITY MULTI-CHAMBERED/IN SERIES: [ ]
[750] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK: 1250 GALLONS]
[2700] GALLONS PER DOSE DOSING TANK CAPACITY DOSE RATE [6] PER 24 HRS NO. OF PUMPS: [2]

DRAINFIELD
[2,581*] SQUARE FEET PRIMARY DRAINFIELD SYSTEM
[ ] SQUARE FEET _____ SYSTEM
TYPE SYSTEM: [X] STANDARD [ ] FILLED [ ] MOUND [ ] _____
CONFIGURATION: [X] TRENCH [ ] BED [ ] _____

FIELD
LOCATION OF BENCHMARK: NAIL IN 6" PINE TREE NORTH OF SYSTEM SITE
ELEVATION OF PROPOSED SYSTEM SITE IS [24] INCHES BELOW BENCHMARK/REFERENCE POINT
BOTTOM OF DRAINFIELD TO BE [42] INCHES BELOW BENCHMARK/REFERENCE POINT

FILL REQUIRED: [0] INCHES EXCAVATION REQUIRED: [0.0] INCHES

OTHER
* Low pressure dosing system, Engineering Attached

SPECIFICATIONS BY: Paul Lloyd TITLE: Soil Scientist

APPROVED BY: Sallie Ford TITLE: EH Director COLUMBIA CPHU

DATE ISSUED: 9-2-10 EXPIRATION DATE: 10-2-11

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 10-146-N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.

See Attached

Notes: _____

Site Plan submitted by: Rocky D Ford
Signature

Title

Plan Approved ✓ Not Approved _____

Date 4.7.10

By Sallie Ford - EH Director - Columbia
County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

COLUMBIA COUNTY FIRE RESCUE

P.O. BOX 1529 Lake City, Florida 32056
Office (386) 754-7071 Fax (386) 754-7064

Division Chief
David L. Boozer

31 March 2010

TO:

FROM: David L. Boozer
Division Chief / Fire Marshal

RE: S&S Food Store #29
Application #1003-42

A plan review was performed of the proposed construction of a S&S Food Store to be located at Pinemount Hwy. and Birley Rd., Lake City, Florida. This building was classified under Chapter 38, Business, of the Florida Fire Prevention Code, 2007 Edition.
I recommend Approval with the following understanding;

Building to be marked according to Chapter 69A-3.012, of the Florida Fire Prevention Code, Light-frame truss-type construction.

Should you require any additional information, please feel free to contact my office.

Sincerely,

David L. Boozer

1003-42

Columbia County Property Appraiser

DB Last Updated: 1/28/2010

2009 Tax Roll Year

Tax Collector | Tax Estimator | Property Card | Parcel List Generator | Interactive GIS Map | Print

Parcel: 05-4S-16-02777-000

<< Next Lower Parcel | Next Higher Parcel >>

Search Result: 1 of 1

Owner & Property Info

Owner's Name	SCAFF STAFFORD L JR & ANNE C		
Mailing Address	134 SE COLBURN AVE LAKE CITY, FL 32025		
Site Address	COLBURN AVE		
Use Desc. (code)	VACANT COM (001000)		
Tax District	2 (County)	**Neighborhood**	5416
Land Area	3.100 ACRES	**Market Area**	01
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		

COMM AT NW COR OF SW1/4 OF SE1/4, RUN E 12.02 FT FOR POB, CONT E 381.44 FT, S 261.86 FT TO A PT ON NWRLY R/W LINE OF SW PINEMOUNT RD (AKA CR-250), SW ALONG R/W, 395.28 FT TO PT OF INTERS OF SAID NWRLY R/W LINE SW PINEMOUNT RD & E R/W LINE SW BIRLEY AVE, RUN N 60 DG W ALONG E R/W SW BIRLEY AVE CONT N ALONG R/W 431.73 FT TO POB. WD 1185-1821,

Property & Assessment Values

2009 Certified Values		
Mkt Land Value	cnt: (0)	$67,518.00
Ag Land Value	cnt: (1)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$67,518.00
Just Value		$67,518.00
Class Value		$0.00
Assessed Value		$67,518.00
Exempt Value		$0.00
Total Taxable Value		Cnty: $67,518 Other: $67,518 | Schl: $67,518

2010 Working Values

NOTE:
2010 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Show Working Values

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
12/10/2009	1185/1821	WD	V	Q	01	$225,000.00
5/21/2009	1174/188	QC	V	U	11	$100.00

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)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
001000	VACANT COM (MKT)	135036 SF - (0000003.100AC)	1.00/1.00/1.00/1.00	$1.35	$182,298.00

Columbia County Property Appraiser

DB Last Updated: 1/28/2010

1 of 1

DISCLAIMER

GATOR UTILITIES

P.O. BOX 1102

LAKE CITY, FLORIDA 32056

TO WHOM IT MAY CONCERN;

Gator Utilities will be providing water service to the S and S store #29, located at the corner of Birley and Pinemount Roads.

We are a community water system certification # 402-W. If further information is required please call the office at (386) 755-3649.

Sincerely,

Janet Stanford

Janet Stanford

Office Manager

March, 31, 2010

GTC DESIGN GROUP

GTC Design Group, LLC
176 NW Lake Jeffery Road
Lake City, FL 32643
(Phone) 386.719.9985
(Fax) 386.719.8828
cwilliams@gtcdesigngroup.com

28498

Finish Floor Elevation Certification

Owner: Lester Scaff

Parcel Number: 05-4S-16-02777-000

Parcel Description: Pinemount Road & Birley Avenue (S&S Food Store #29)

On November 2, 2010, GTC Design Group LLC verified the heated and cooled Finish Floor Elevation of S & S #29 with a Nikon, Automatic Level, Model AP-8. The following are actual elevation shots. See attached sheets.

Finish Floor Elevation (FFE)	118.04
Bench Mark 2 per Donald F Lee & Associates	114.16
Bench Mark 3 per Donald F Lee & Associates	113.90

11-3-2010

Chad Williams
P.E. License Number: 63144
November 3, 2010

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
 Document ID:1TZ28228Z0105104903

Truss Fabricator:	Anderson Truss Company
Job Identification:	10-028--Fill in later ONEAL/ S&S -- , **
Truss Count:	21
Model Code:	Florida Building Code 2007 and 2009 Supplement
Truss Criteria:	FBC2007Res/TPI-2002(STD)
Engineering Software:	Alpine Software,Version 9.02.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-05 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

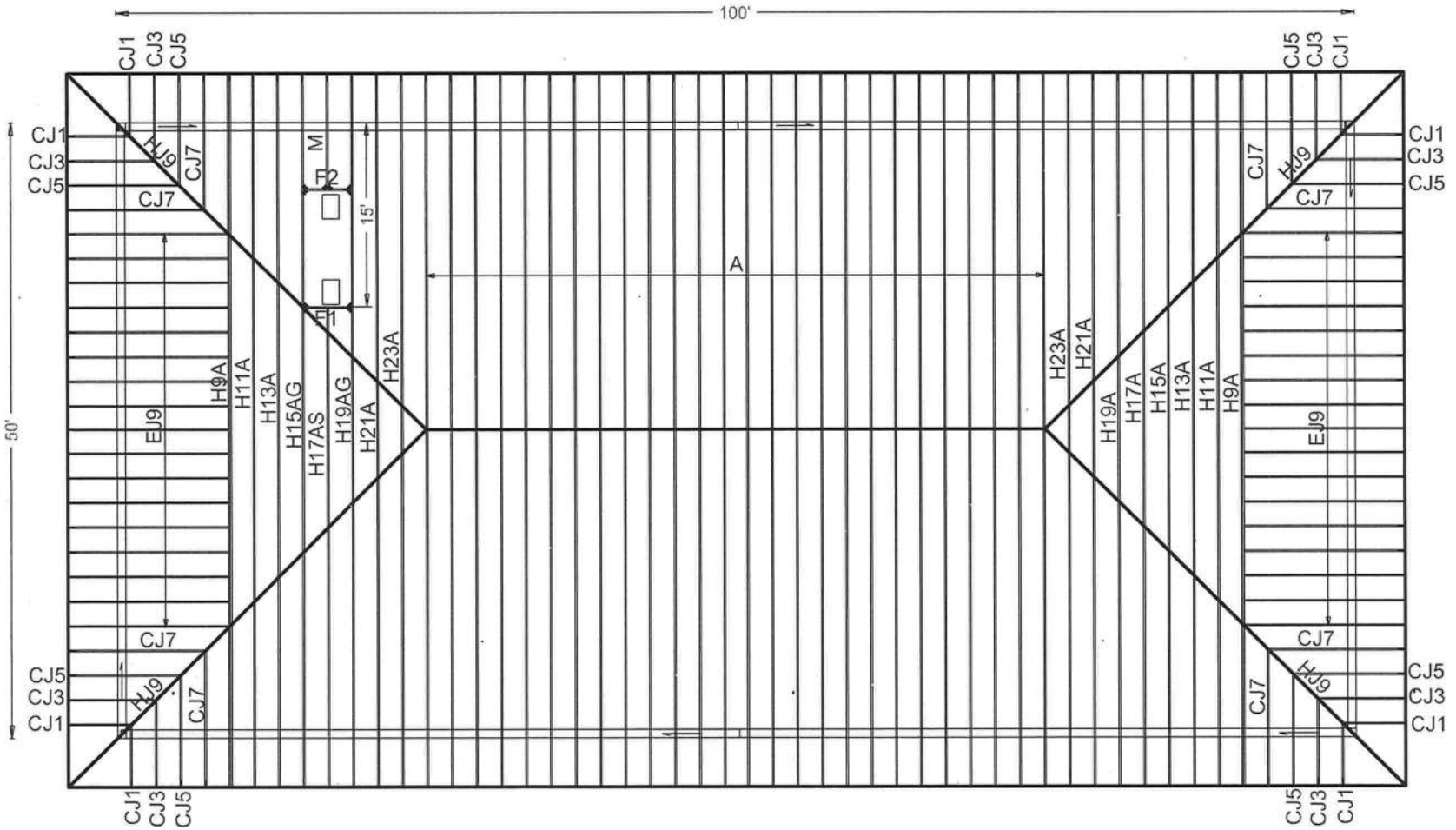
Seal Date: 02/05/2010

-Truss Design Engineer-
Doug Fleming
Florida License Number: 66648
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-

#	Ref Description	Drawing#	Date
1	80445--H17AS	10036001	02/05/10
2	80446--F1	10036002	02/05/10
3	80447--F2	10036003	02/05/10
4	80448--A	10036004	02/05/10
5	80449--H19AG	10036005	02/05/10
6	80450--H15AG	10036006	02/05/10
7	80451--H13A	10036007	02/05/10
8	80452--H9A	10036021	02/05/10
9	80453--H11A	10036013	02/05/10
10	80454--H23A	10036014	02/05/10
11	80455--H17A	10036015	02/05/10
12	80456--H19A	10036016	02/05/10
13	80457--H21A	10036017	02/05/10
14	80458--H15A	10036018	02/05/10
15	80459--M	10036019	02/05/10
16	80460--EJ9	10036008	02/05/10
17	80461--CJ7	10036009	02/05/10
18	80462--HJ9	10036010	02/05/10
19	80463--CJ5	10036020	02/05/10
20	80464--CJ3	10036011	02/05/10
21	80465--CJ1	10036012	02/05/10

Roof Plane Sheathing Area = 6603 sq. ft



ONEAL CONTRACTING / S & S #29

JOB DESCRIPTION:: Fill in later
/: ONEAL/ S&S

JOB NO:
10-028

PAGE NO:
1 OF 1

(10-028--Fill in later ONEAL/ S&S -- , ** - H17AS)

Top chord 2x4 SP #2 Dense :T4 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 17.50 ft. from roof edge.

110 mph wind, 17.50 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

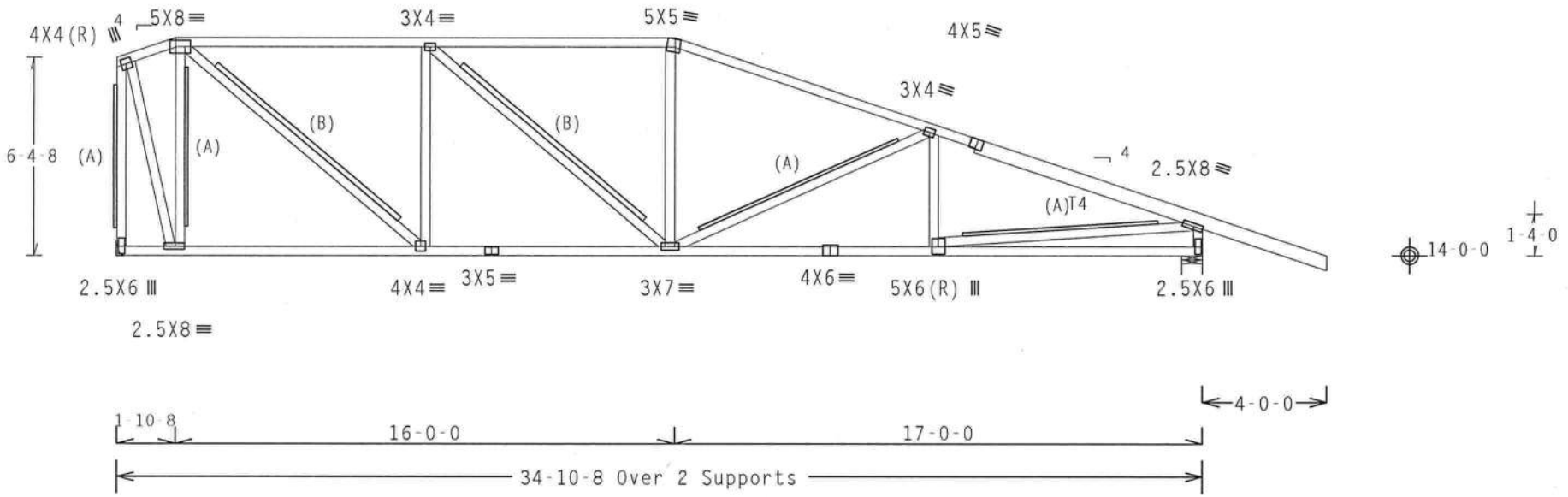
Wind reactions based on MWFRS pressures.

(J) hanger connection not found in inventory file for this condition. Provide connection.

(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Deflection meets L/240 live and L/180 total load.



R=1596 U=335
RL=39/-163 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1) 1.50x 5.50 SolidSawn

R=1747 U=356 W=8"

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (H,H/SS/K) ASTM A653 GRADE 40/60 (H, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF	R8228- 80445
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036001
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85478
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - F1)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

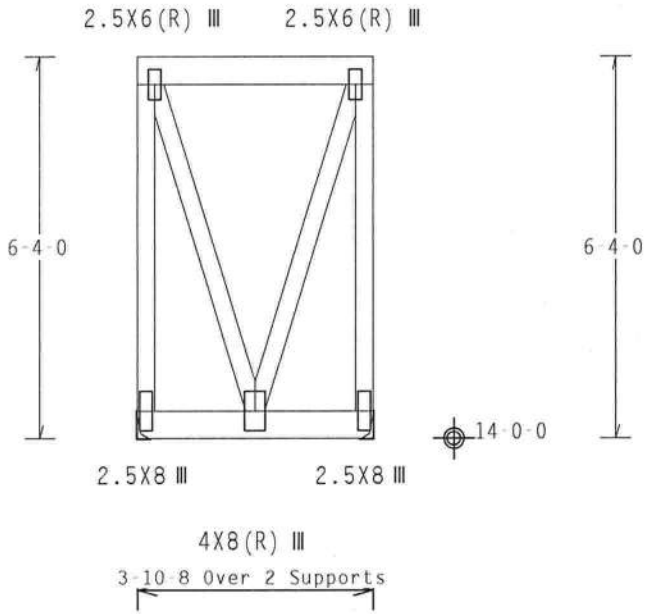
THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS. THE TRUSS ENGINEER IS NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS.

110 mph wind, 20.33 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Girder supports 34-10-8 span to BC one face and 2-0-0 span to TC/BC split opposite face.

Truss must be installed as shown with top chord up.



R=1437 U=536 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d, 0.148"x1.5" nails in Girder
Girder is (1) 1.50x 5.50 SolidSawn

R=1437 U=536 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d, 0.148"x1.5" nails in Girder
Girder is (1) 1.50x 5.50 SolidSawn

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF	R8228- 80446
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036002
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85487
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - F2)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 17.13 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

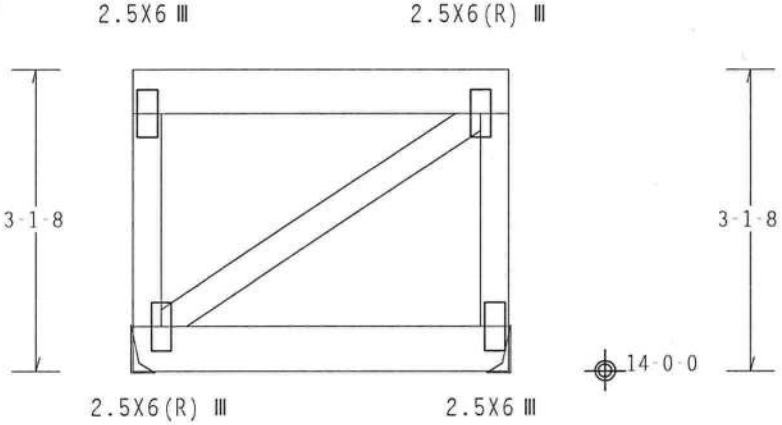
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS. THE TRUSS ENGINEER IS NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC - From 60 plf at 0.00 to 60 plf at 3.88
BC - From 20 plf at 0.00 to 20 plf at 3.88
BC - 127 lb Conc. Load at 1.94

End verticals not exposed to wind pressure.

Truss must be installed as shown with top chord up.



3-10-8 Over 2 Supports

R=218 U=64 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d Common, 0.162"x3.5" nails in Girder
Girder is (1) 1.50x 5.50 SolidSawn

R=218 U=64 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d Common, 0.162"x3.5" nails in Girder
Girder is (1) 1.50x 5.50 SolidSawn

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF	R8228- 80447
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036003
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85499
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - A)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W1, W13 2x6 SP #2:
:W2, W12 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

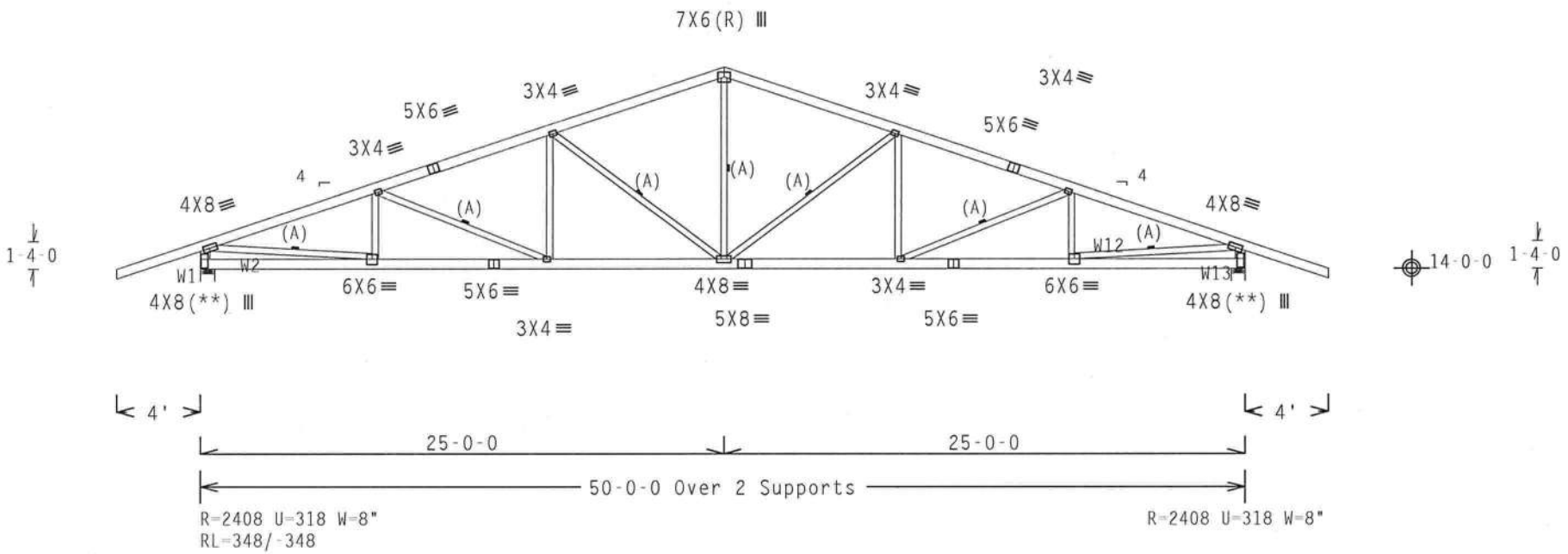
110 mph wind, 18.83 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 18.83 ft. from roof edge.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:26 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF	R8228- 80448
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036004
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85724
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - H19AG)

Top chord 2x6 SP #2
Bot chord 2x6 SP #1 Dense :B3, B4 2x6 SP #2:
Webs 2x4 SP #3 :W1, W2, W20, W21 2x6 SP #2:

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC - From	61 plf at	-4.00 to	61 plf at	5.38
TC - From	91 plf at	5.38 to	91 plf at	15.00
TC - From	61 plf at	15.00 to	61 plf at	19.00
TC - From	61 plf at	19.00 to	61 plf at	31.00
TC - From	61 plf at	31.00 to	61 plf at	54.00
BC - From	4 plf at	-4.00 to	4 plf at	0.00
BC - From	20 plf at	0.00 to	20 plf at	5.38
BC - From	30 plf at	5.38 to	30 plf at	15.00
BC - From	20 plf at	15.00 to	20 plf at	50.00
BC - From	4 plf at	50.00 to	4 plf at	54.00
BC -	218 lb Conc. Load at	5.44		
BC -	1437 lb Conc. Load at	15.06		

Wind reactions based on MWFRS pressures.

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(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 17.83 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

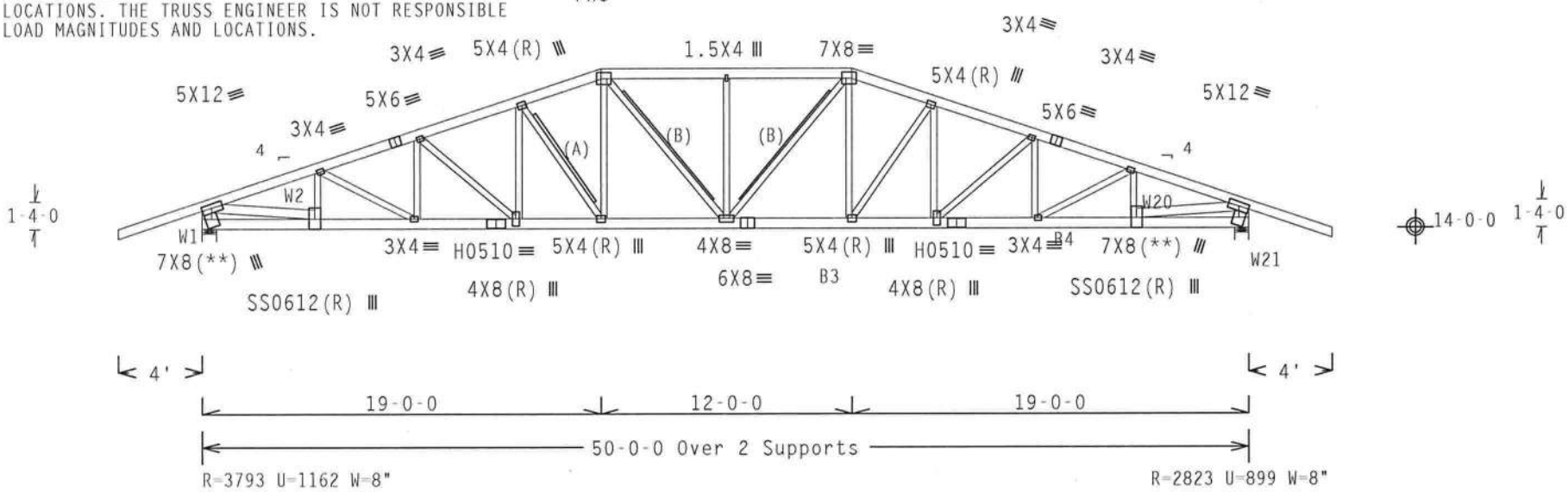
Roof overhang supports 2.00 psf soffit load.

(B) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.



PLT TYP. 20 Gauge HS,18 Gauge HS, Wave Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF	R8228- 80449
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036005
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85852
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - H15AG)

Top chord 2x6 SP #2
Bot chord 2x6 SP #1 Dense :B3, B4 2x6 SP #2:
Webs 2x4 SP #3 :W1, W2, W18, W19 2x6 SP #2:

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC - From	61 plf	at -4.00	to	61 plf	at 5.58
TC - From	91 plf	at 5.58	to	91 plf	at 15.00
TC - From	61 plf	at 15.00	to	61 plf	at 35.00
TC - From	61 plf	at 35.00	to	61 plf	at 54.00
BC - From	4 plf	at -4.00	to	4 plf	at 0.00
BC - From	20 plf	at 0.00	to	20 plf	at 5.50
BC - From	30 plf	at 5.50	to	30 plf	at 15.13
BC - From	20 plf	at 15.13	to	20 plf	at 50.00
BC - From	4 plf	at 50.00	to	4 plf	at 54.00

BC - 218 lb Conc. Load at 5.44
BC - 1437 lb Conc. Load at 15.06

Wind reactions based on MWFRS pressures.

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(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 17.17 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

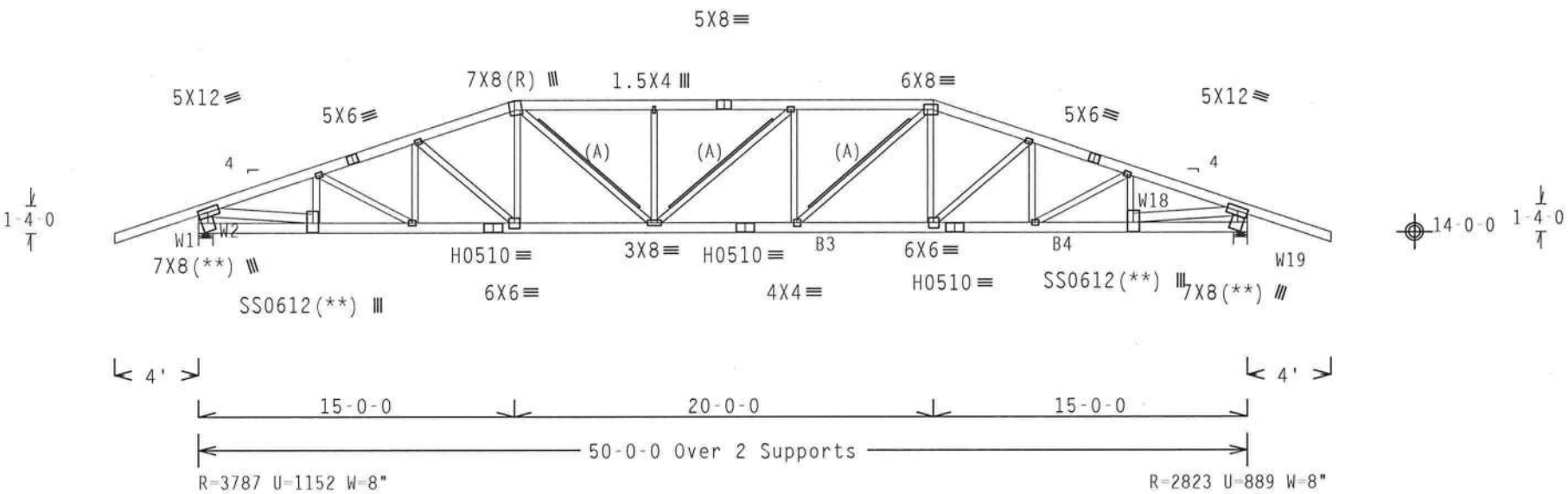
Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Note: All Plates Are 3X4 Except As Shown.
PLT TYP. 20 Gauge HS,18 Gauge HS, Wave
Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF	R8228- 80450
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036006
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85836
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - H13A)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W2, W14 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 8.42 ft. from roof edge.

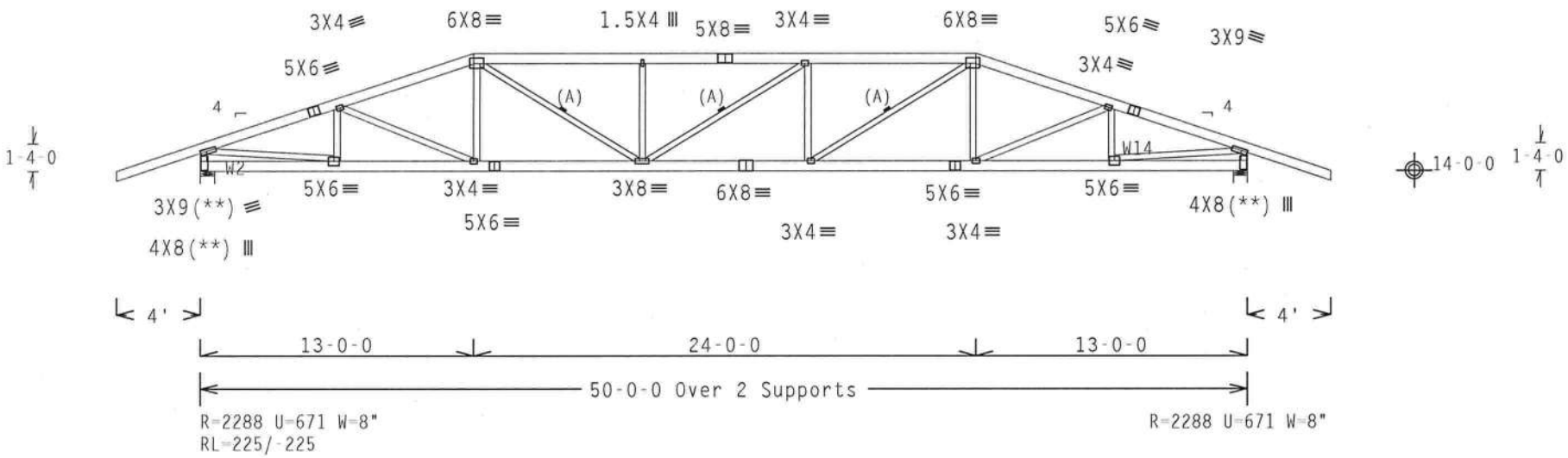
(**) 3 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 16.83 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.0 [illegible] QTY:2 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 05 '10

TC LL	20.0 PSF	REF	R8228- 80451
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036007
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85528
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

Top chord 2x6 SP #2 :T2, T3 2x6 SP SS:
Bot chord 2x6 SP #1 Dense :B2, B3 2x6 SP SS:
Webs 2x4 SP #3 :W1, W17 2x6 SP #2:
:W2, W5, W13, W16 2x4 SP #2 Dense:

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC - From 61 plf at -4.00 to 61 plf at 9.00
TC - From 61 plf at 9.00 to 61 plf at 41.00
TC - From 61 plf at 41.00 to 61 plf at 54.00
BC - From 4 plf at -4.00 to 4 plf at 0.00
BC - From 20 plf at 0.00 to 20 plf at 50.00
BC - From 4 plf at 50.00 to 4 plf at 54.00
TC - 218 lb Conc. Load at 11.06 , 13.06, 15.06, 17.06
19.06, 21.06, 23.06, 25.00, 26.94, 28.94, 30.94, 32.94, 34.94
36.94, 38.94
BC - 1052 lb Conc. Load at 9.04 , 40.96
BC - 176 lb Conc. Load at 11.06 , 13.06, 15.06, 17.06
19.06, 21.06, 23.06, 25.00, 26.94, 28.94, 30.94, 32.94, 34.94
36.94, 38.94

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

#1 hip supports 9-0-0 jacks W/2 panel TC and no end vert.

Left side jacks have 9-0-0 setback with 0-0-0 cant and 4-0-0 overhang. End jacks have 9-0-0 setback with 0-0-0 cant and 4-0-0 overhang. Right side jacks have 9-0-0 setback with 0-0-0 cant and 4-0-0 overhang.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule:0.131"x3" nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 16.17 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

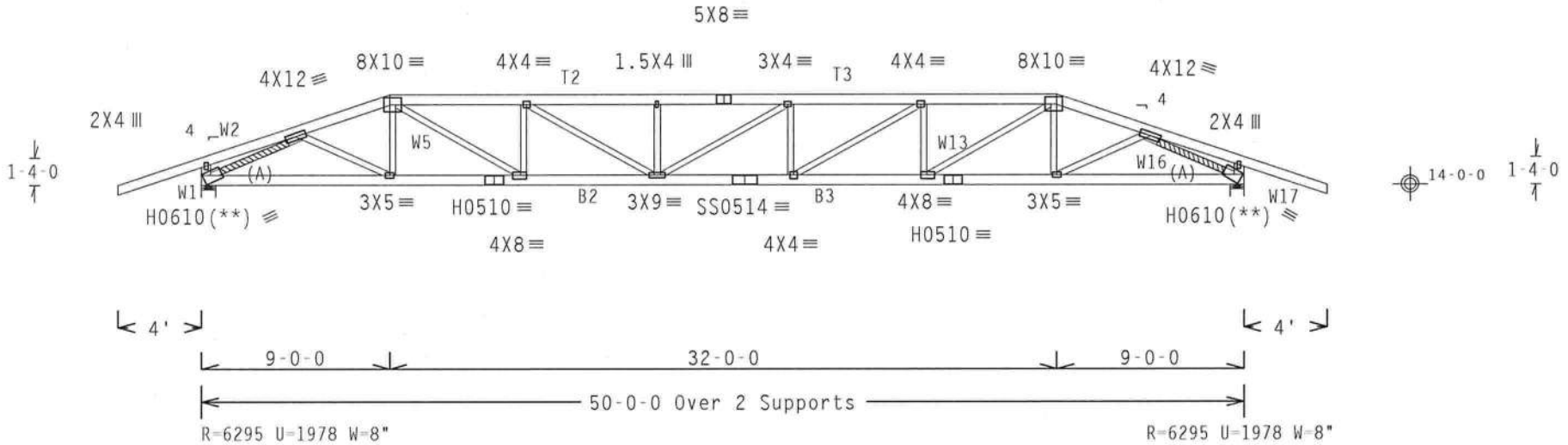
Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.15" due to live load and 0.15" due to dead load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

Calculated vertical deflection is 0.73" due to live load and 0.73" due to dead load at X = 21-9-10.



PLT TYP. 20 Gauge HS,18 Gauge HS, Wave

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

9.02.00 [illegible] QTY:2 FL/-/4/-/-/R/-

Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF R8228- 80452
TC DL	10.0 PSF	DATE 02/05/10
BC DL	10.0 PSF	DRW HCUSR8228 10036021
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 85687
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - H11A)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W1, W15 2x6 SP #2:
:W2, W14 2x4 SP #2 Dense:
:Rt Splice Block 2x4 SP #3:

Roof overhang supports 2.00 psf soffit load.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

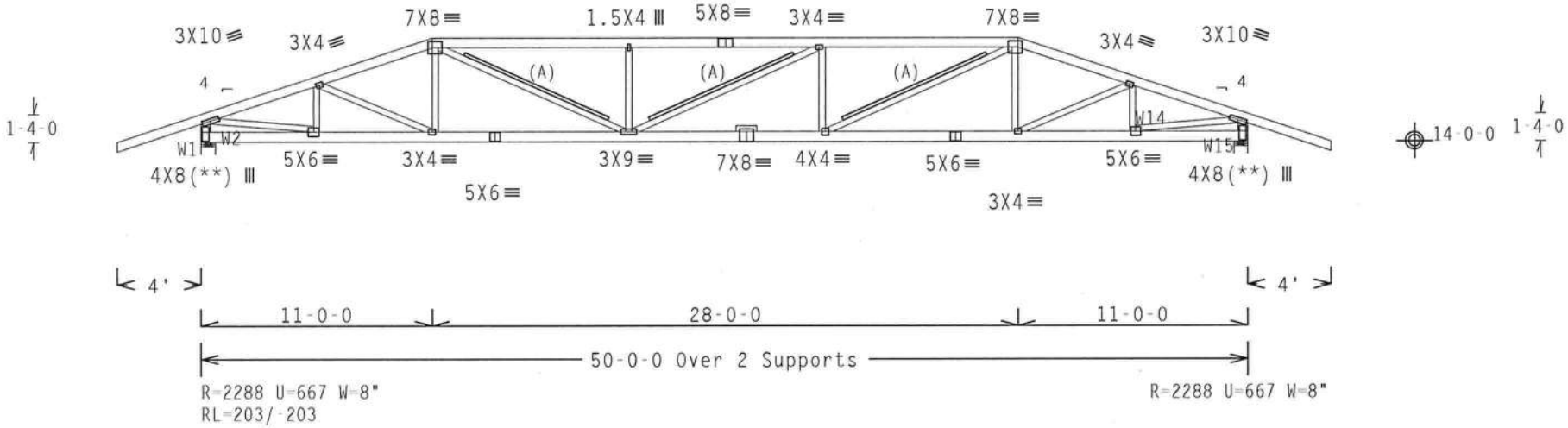
110 mph wind, 16.50 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 8.25 ft. from roof edge.



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0) 9.02.00 0 [illegible] QTY:2 FL/-/4/-/-/R/- Scale =.125"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF	R8228-80453
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036013
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85719
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - H23A)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W1, W15 2x6 SP #2:
:W2, W14 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 18.50 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

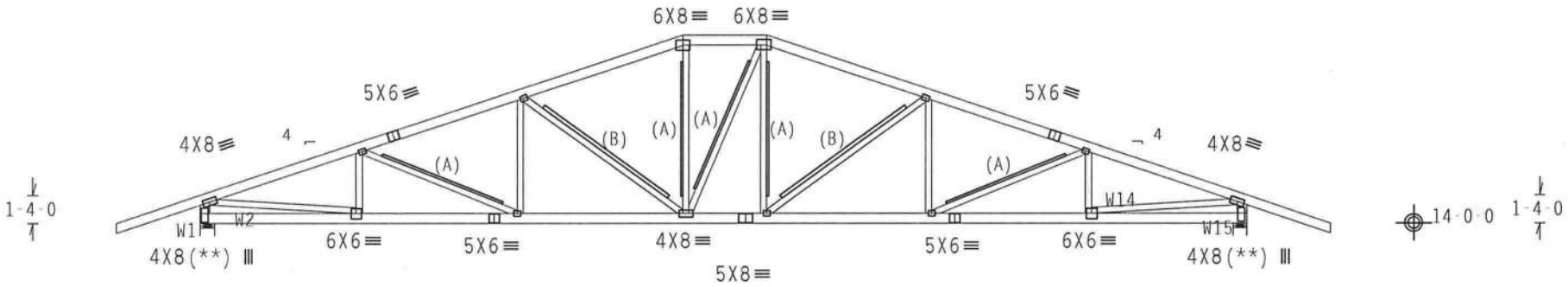
Wind reactions based on MWFRS pressures.

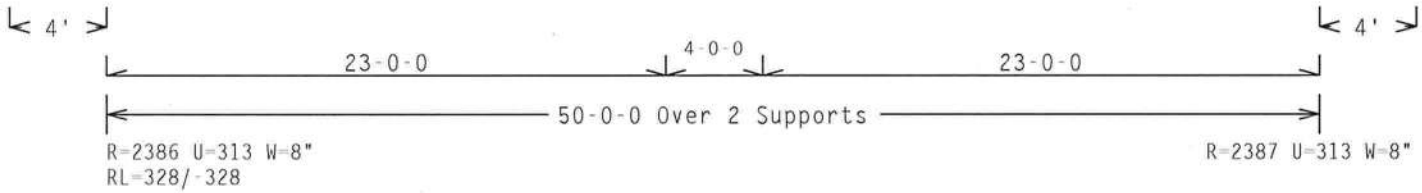
(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 18.50 ft. from roof edge.





Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:2 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 05 '10

TC LL	20.0 PSF	REF	R8228- 80454
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036014
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85716
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - H17A)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W1, W13 2x6 SP #2:
:W2, W12 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

(B) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 17.50 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

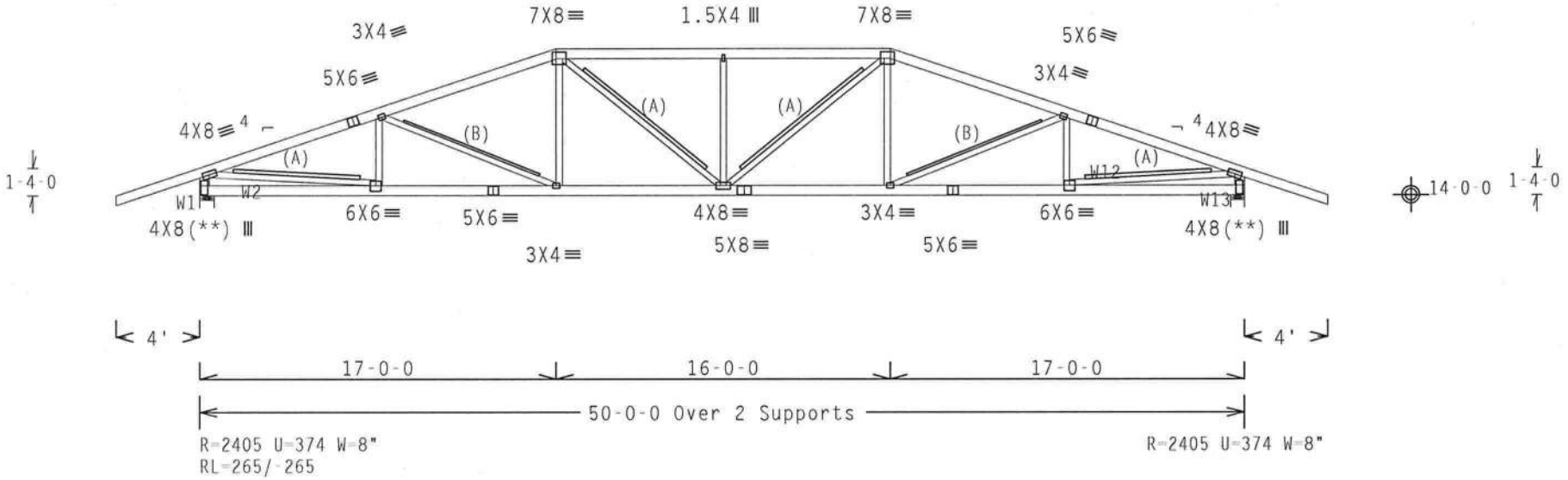
Wind reactions based on MWFRS pressures.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 17.50 ft. from roof edge.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF	R8228- 80455
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036015
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85784
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - H19A)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W1, W13 2x6 SP #2:
:W2, W12 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

(C) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 17.83 ft. from roof edge.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 17.83 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

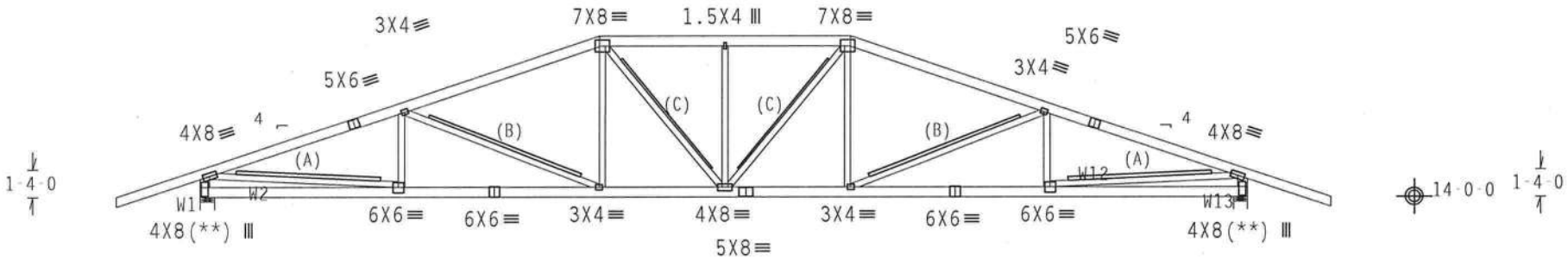
Wind reactions based on MWFRS pressures.

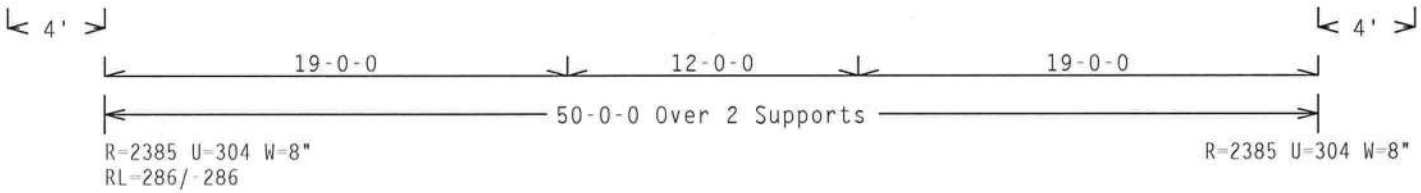
(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.





Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 05 '10

TC LL	20.0 PSF	REF	R8228- 80456
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036016
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85754
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - H21A)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W1, W15 2x6 SP #2:
:W2, W14 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SRB SPF-S or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 18.17 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

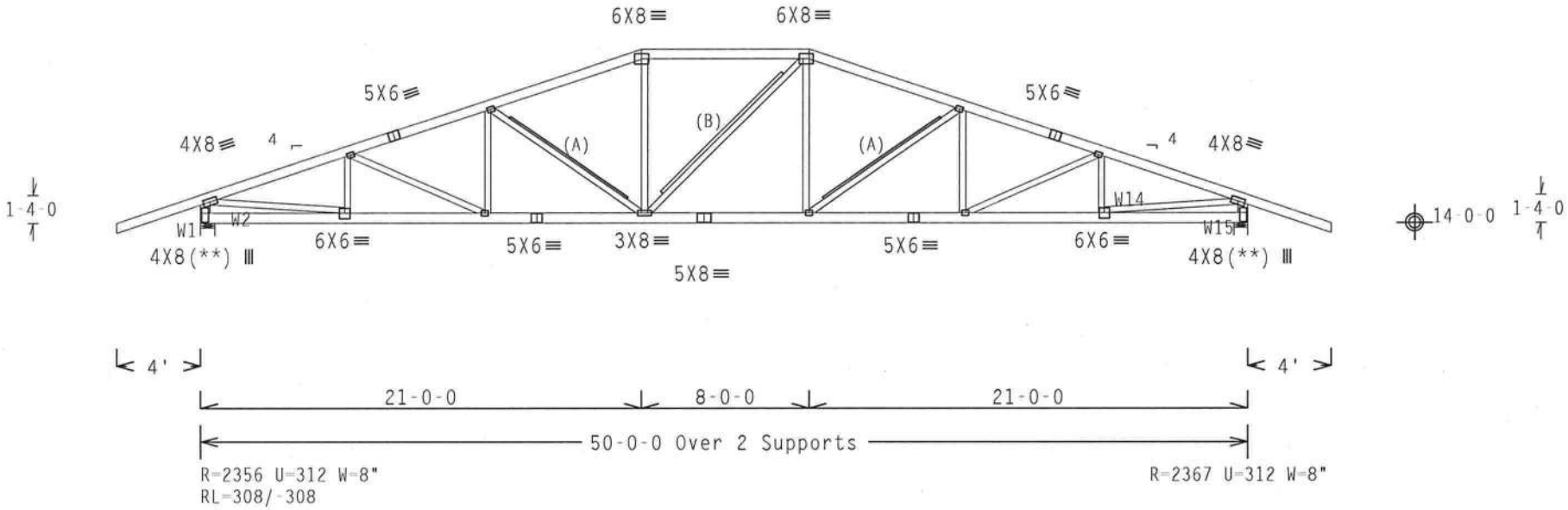
Wind reactions based on MWFRS pressures.

(B) 2x6 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42" high x 24" wide clearance.

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 18.17 ft. from roof edge.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:2 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 05 '10

TC LL	20.0 PSF	REF	R8228- 80457
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036017
BC LL	0.0 PSF		HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN-	85775
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - H15A)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W1, W13 2x6 SP #2:
:W2, W12 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 17.17 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

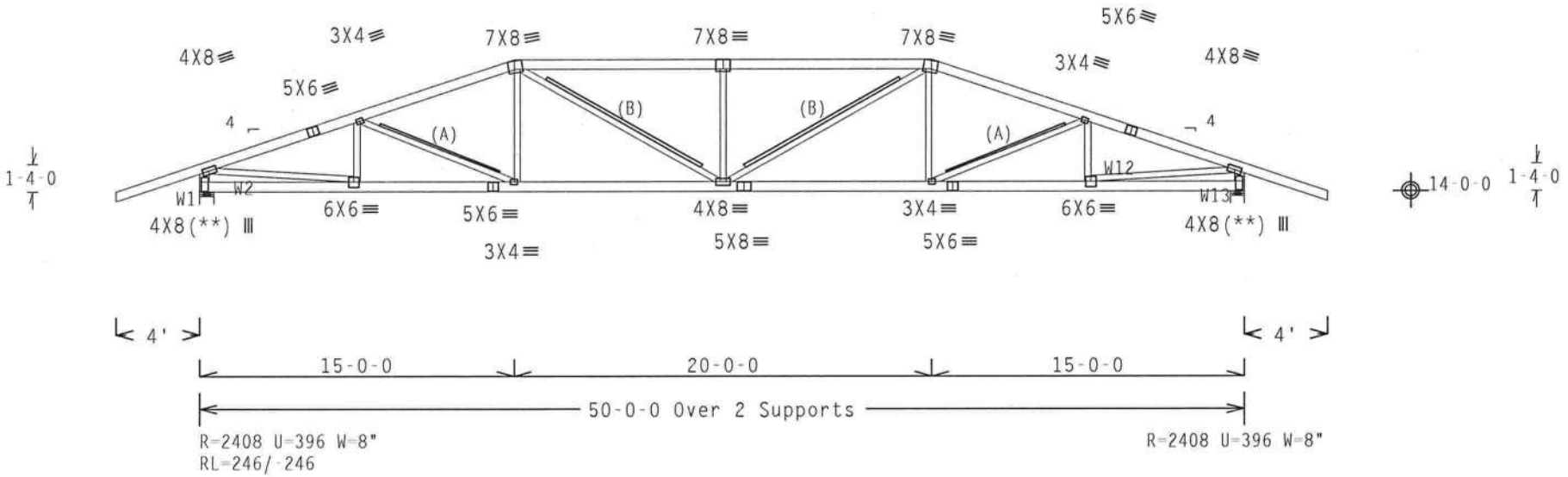
Wind reactions based on MWFRS pressures.

(B) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Truss passed check for 20 psf additional bottom chord live load in areas with 42" high x 24"-wide clearance.

Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 17.17 ft. from roof edge.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF	R8228- 80458
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036018
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85781
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - M)

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Deflection meets L/240 live and L/180 total load.

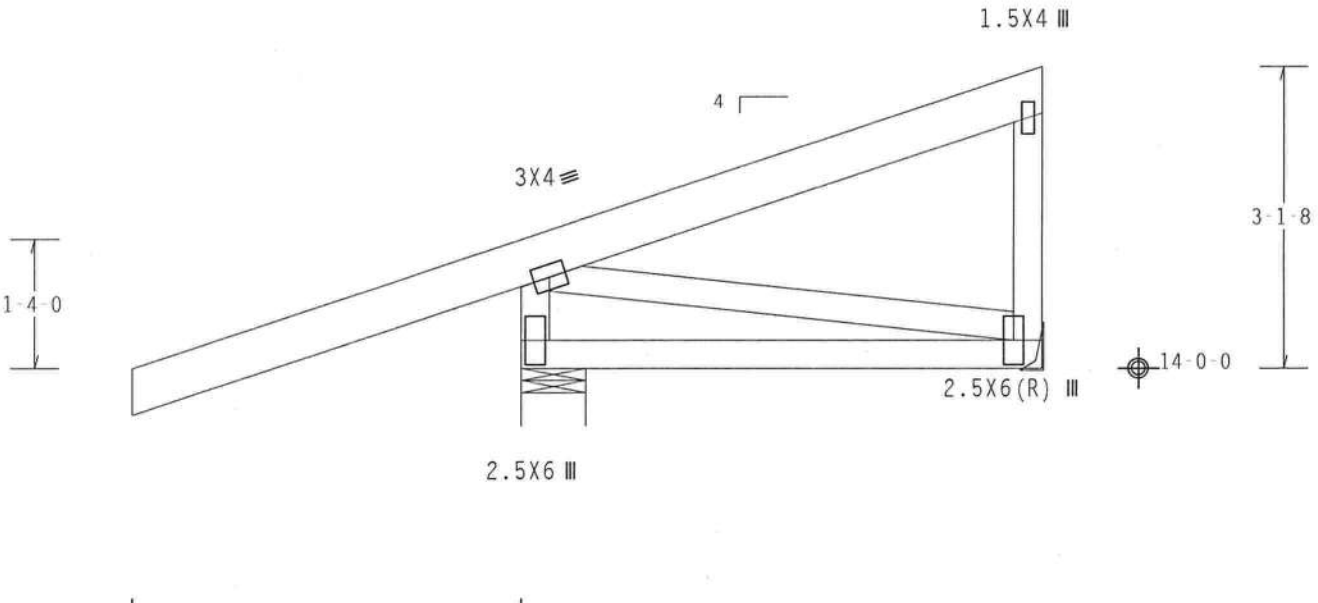
110 mph wind, 15.56 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non concurrent live load.

MWFRS loads based on trusses located at least 15.56 ft. from roof edge.



R=576 U=216 W=8"
RL=101/-34

R=127 U=29 H=Simpson SUL26
w/ (6) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1) 1.50x 5.50 SolidSawn

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

[illegible] 05 '10

TC LL	20.0 PSF	REF	R8228- 80459
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036019
BC LL	0.0 PSF		HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN-	85860
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - EJ9)

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

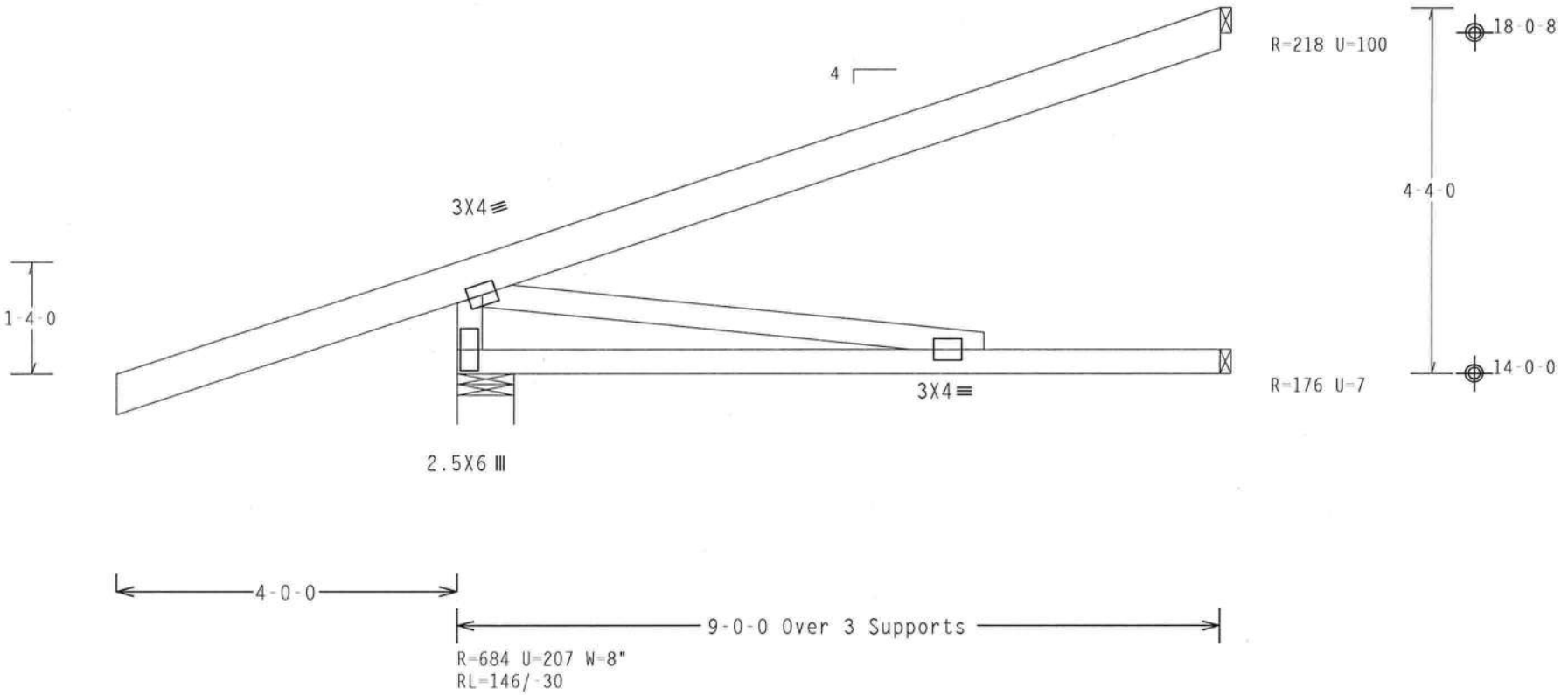
MWFRS loads based on trusses located at least 8.08 ft. from roof edge.

110 mph wind, 16.17 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:34 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
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FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 05 '10

TC LL	20.0 PSF	REF R8228- 80460
TC DL	10.0 PSF	DATE 02/05/10
BC DL	10.0 PSF	DRW HCUSR8228 10036008
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 85574
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - CJ7)

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x6 SP #2

Roof overhang supports 2.00 psf soffit load.

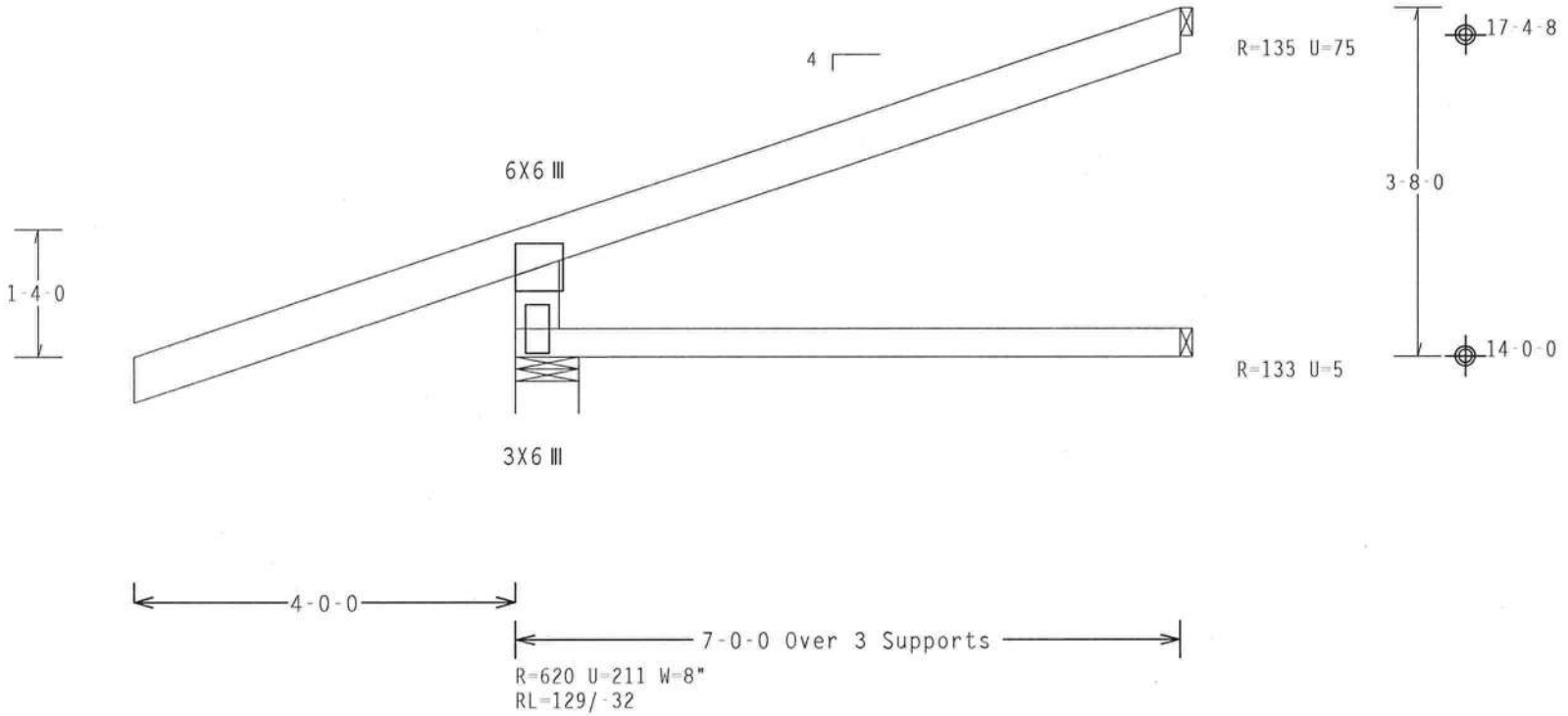
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.83 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:8 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 05 '10

TC LL	20.0 PSF	REF	R8228- 80461
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036009
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	85583
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - HJ9)

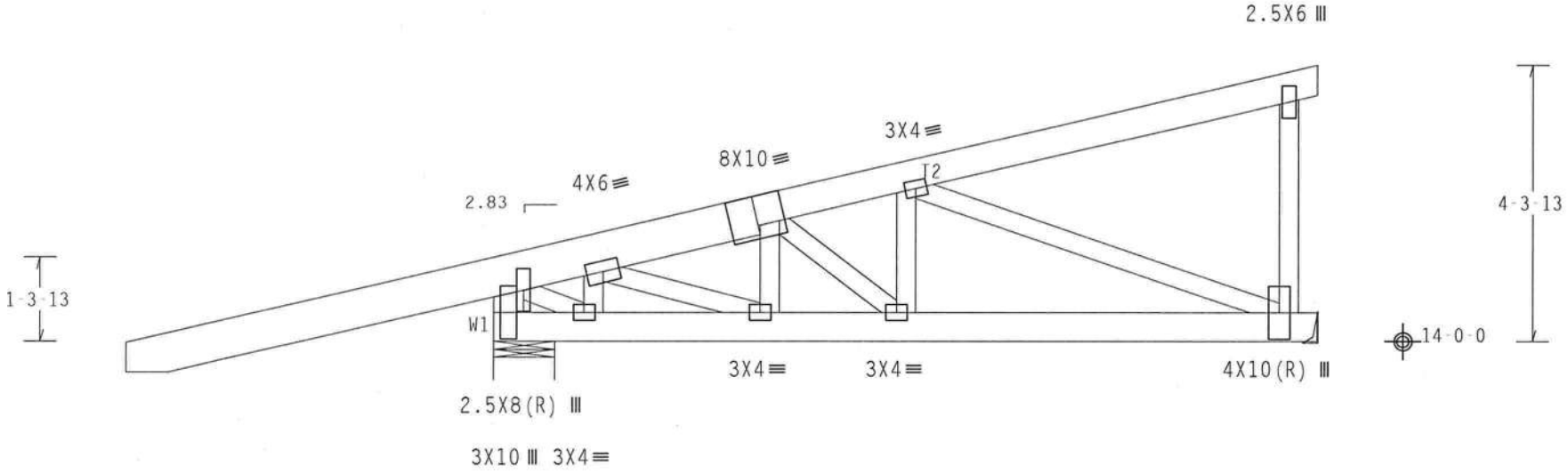
Top chord 2x8 SP SS :T2 2x6 SP SS:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W1 2x6 SP #2:

Deflection meets L/240 live and L/180 total load.

110 mph wind, 16.15 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Hipjack supports 9-0-0 setback jacks with no webs.



R=1359 U=1303 W=11.314"

R=876 U=463 H=Simpson SUL26
w/ (6) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2) 1.50x 5.50 SolidSawn

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:4 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

[illegible] 05 '10

TC LL	20.0 PSF	REF R8228- 80462
TC DL	10.0 PSF	DATE 02/05/10
BC DL	10.0 PSF	DRW HCUSR8228 10036010
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 85643
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - CJ5)

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense

Roof overhang supports 2.00 psf soffit load.

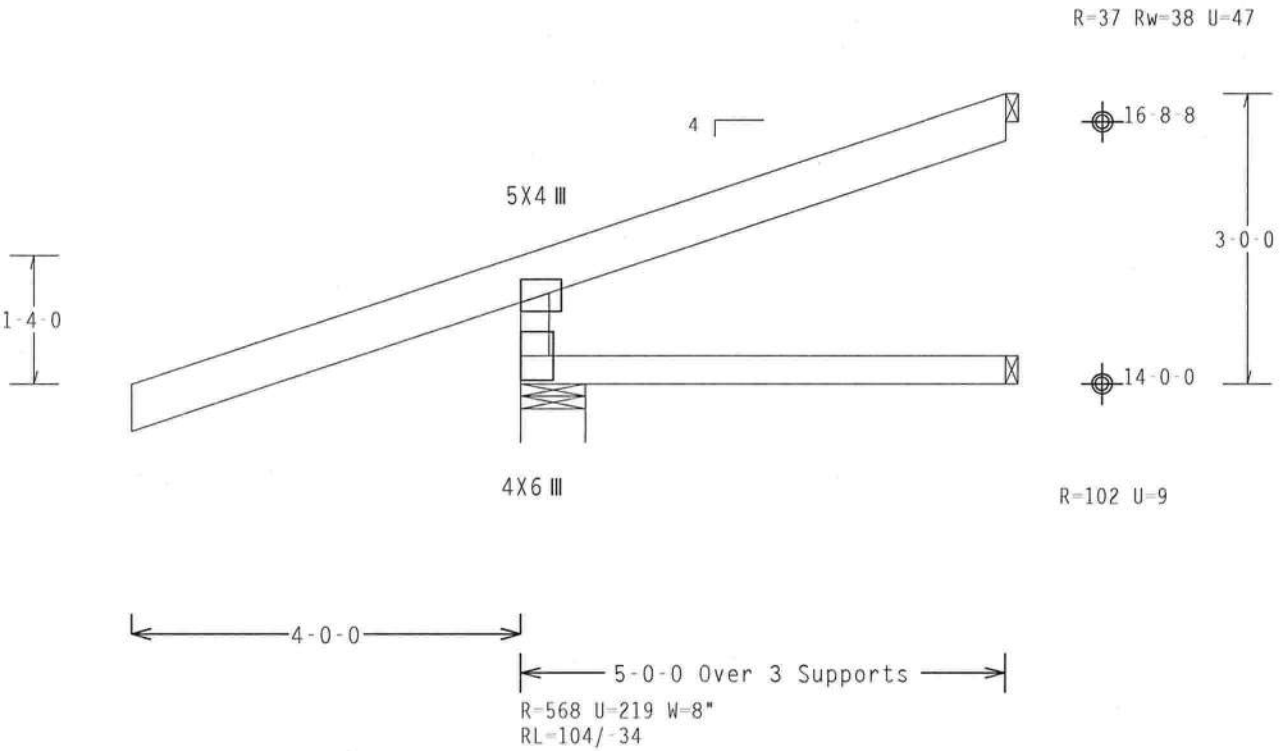
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.50 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 [illegible] QTY:8 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
05 '10

TC LL	20.0 PSF	REF R8228- 80463
TC DL	10.0 PSF	DATE 02/05/10
BC DL	10.0 PSF	DRW HCUSR8228 10036020
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 85588
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - CJ3)

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

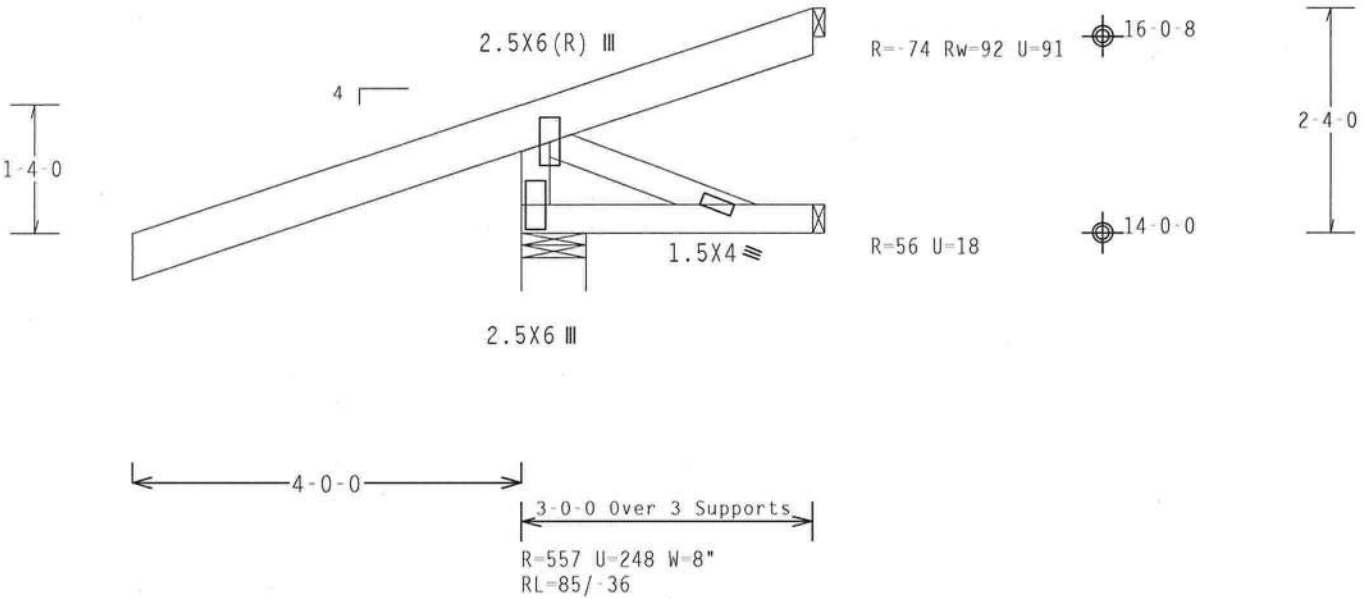
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.17 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 IGUAL 1 QTY:8 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
0 05 '10

TC LL	20.0 PSF	REF	R8228- 80464
TC DL	10.0 PSF	DATE	02/05/10
BC DL	10.0 PSF	DRW	HCUSR8228 10036011
BC LL	0.0 PSF		HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN-	85602
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1TZ28228Z01

(10-028--Fill in later ONEAL/ S&S -- , ** - CJ1)

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x6 SP #2 :W2 2x4 SP #3:

Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

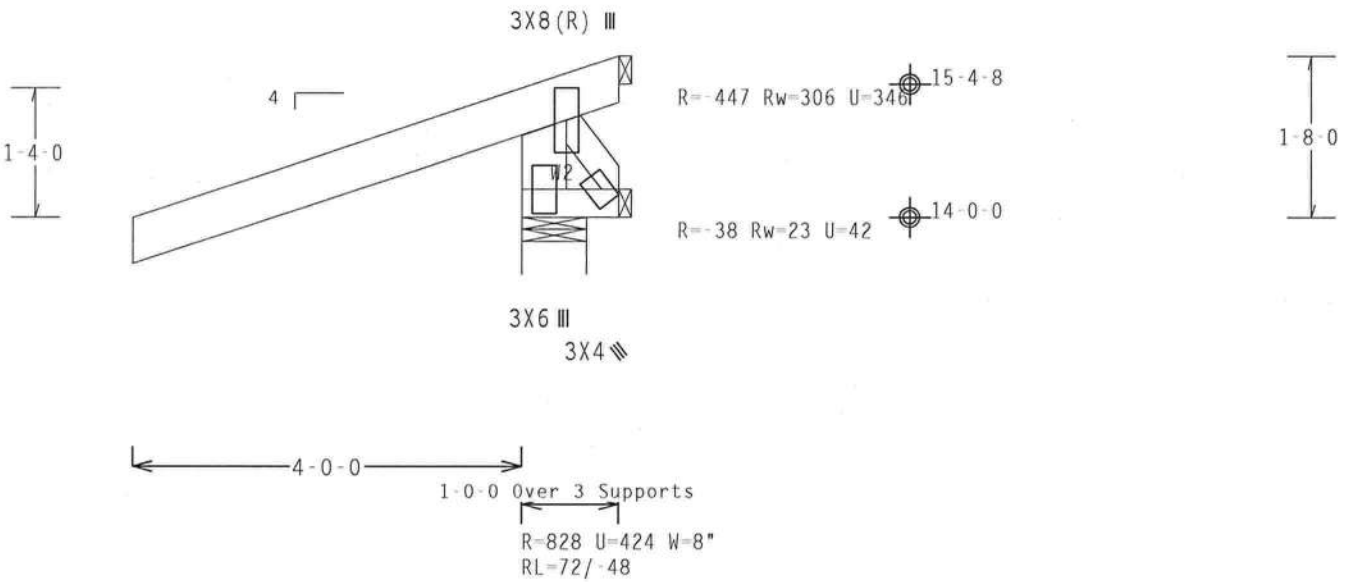
Deflection meets L/240 live and L/180 total load.

Provide(4)16d common nails(0.162"x3.5"),toe nailed at Top chord.
Provide(2)16d common nails(0.162"x3.5"),toe nailed at Bot chord.

Negative reaction(s) of -447# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 9.02.00 | QTY:8 | FL/-/4/-/-/R/- | Scale =.5"/Ft.

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ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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05 '10

TC LL	20.0 PSF	REF R8228- 80465
TC DL	10.0 PSF	DATE 02/05/10
BC DL	10.0 PSF	DRW HCUSR8228 10036012
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 85617
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1TZ28228Z01

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

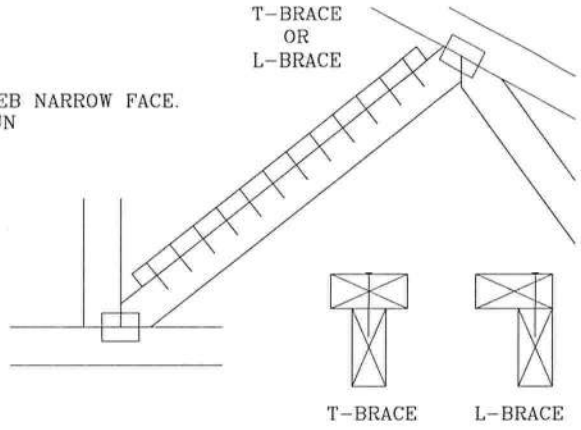
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

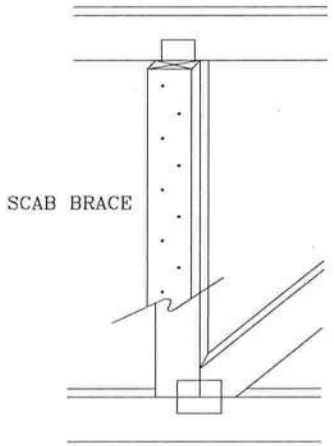
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN
(0.128"x 3.",MIN) NAILS.
AT 6" O.C.
BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128"x 3.",MIN) NAILS.
AT 6" O.C.
BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



Building Components Group Inc.

Earth City, MO 63045

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	PSF	REF CLB SUBST.
TC DL	PSF	DATE 1/1/09
BC DL	PSF	DRWG BRCLBSUB0109
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

REPORT OF SUBSURFACE EXPLORATION

S & S Store #29
Pinemont Road & Birley Avenue
Lake City, Columbia County, Florida
CTI Project No. 10-00126-01

- Prepared For -
GTC Design Group, LLC
130 West Howard Street
Live Oak, Florida 32064

- Prepared by -
Cal-Tech Testing, Inc.
P.O. Box 1625
Lake City, Florida 32056-1625

March 29, 2010

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

LABORATORIES

P.O Box 1625 • Lake City, FL 32056 Tel (386) 755-3633 • Fax (386) 752-5456
4784 Rosselle Street • Jacksonville, FL 32254 Tel (904) 381-8901 • Fax (904) 381-8902

March 29, 2010

GTC Design Group, LLC
130 West Howard Street
Live Oak, Florida 32064

Attention: Mr. Chad Williams, P.E.

Reference: Report of Subsurface Exploration
S & S Store #29 - Pinemont Road & Birley Avenue
Lake City, Columbia County, Florida
Cal-Tech Project No. 10-00126-01

Dear Mr. Williams:

Cal-Tech Testing, Inc. (CTI) has completed the subsurface exploration and engineering evaluation for the proposed S & S Store. Our work was verbally authorization by you on March 23, 2010.

INTRODUCTION

This report presents the results of our subsurface exploration performed for the proposed S & S Store #29 building. The services rendered by CTI during the course of this exploration can be summarized as follows:

- Reviewed available data such as results of similar exploration and published information including the U.S.G.S. Quadrangle map, and the Geologic Map of Florida for this area.
- Planned and performed three (3) Standard Penetration Test (SPT) borings each extending 15 feet below the existing ground surface.
- Reviewed and analyzed gathered data in order to evaluate the subsurface conditions with respect to the proposed construction.
- Prepared this report, which includes the results of our field exploration as well as our recommendations with respect to foundation design, foundation related site work, general site development, and quality control.

PROJECT INFORMATION

The subject site is located in the northeast quadrant of Pinemont Road and Birley Avenue intersection in Lake City, Columbia County, Florida. We understand the proposed development will consist of constructing a ±5,000 SF one-story building for use as a convenient store with associated fueling canopy, parking and driveway areas. We also understand that our scope of services under this exploration is limited to the main store building.

We assume the main store building will be a one-story structural steel building with Concrete Masonry Unit (CMU) framing supported on a conventional shallow foundation system. Detailed structural information has not been provided; however, we anticipate individual column loads will not exceed 50 kips. We have assumed that soil-supported ground floor loads (dead load plus live load) will not exceed 150 psf. Field testing related to drainage or pavement design is beyond the scope of this exploration.

The site conditions were observed by Nabil Hmeidi and David Brown on March 24, 2010. At the time of our site visit, the subject site appears to have been recently cleared of trees and vegetations. Approximately 2½ to 3 feet of new fill has been placed within the store building area.

FIELD PROGRAM

The subsurface conditions at the subject site were explored by drilling 3 SPT borings each extending 15 feet below the existing ground surface. The SPT borings were performed at the approximate locations shown on the attached Field Exploration Plan. These locations were determined in the field and measured by tape and approximating right angles from existing features (existing roadways and property corners). Therefore, the borings location should be considered only as accurate as the means and methods by which they were obtained.

Sampling and penetration procedures of the SPT borings were accomplished in general accordance with ASTM D-1586, "*Penetration Test and Split-Barrel Sampling of Soils*", using a power rotary drill rig (BK-51 with a manual hammer). The standard penetration tests were performed by driving a standard 1-3/8" I.D. and 2" O.D. split spoon sampler with a 140 pound hammer falling 30 inches. The number of hammer blows required to drive the sampler a total of 18 inches, in 6 inch increments, were recorded. The penetration resistance or "*N*" value is the summation of the last two 6 inch increments and is illustrated on the attached boring logs adjacent to their corresponding sample depths. The penetration resistance is used as an index to derive soil parameters from various empirical correlations.

The attached record of boring logs presents the descriptions of the subsurface conditions encountered at the time of our field program, and also provide the penetration resistances recorded during the drilling and sampling process. The stratification lines and depth designations on the boring records represent the approximate boundaries between the various soils encountered, as determined in the field by our personnel. In some cases, the transition between these soils may be gradual.

SITE & SUBSURFACE CONDITIONS

General Area Geology/Sinkhole Potential

Published information regarding the geology in this area of Columbia County indicates the site is situated near the contact between the Statenville Formation (**Ths**) of the Tertiary period and the Miocene epoch, and the Undifferentiated Quaternary Sediments (**Qu**) of the Pleistocene and Holocene epochs. The Statenville Formation is of the Hawthorn Group and mainly consists of interbedded sands, clays and dolostones with common to very abundant phosphate grains. The sands are predominate and are light gray to olive gray, poorly indurated, phosphatic, fine to coarse grained with scattered gravel and with minor occurrences of fossils. Clays are yellowish gray to olive gray, poorly consolidated, variably sandy and phosphatic, and variably dolomatic. The dolostones are yellowish gray to light orange, poorly to well indurated, sandy, clayey and phosphatic with scattered mollusk molds and casts.

Typically, the Undifferentiated Quaternary sediments consist of siliciclastics, organics and freshwater carbonates. The siliciclastics are light gray, tan, brown to dark, unconsolidated to poorly consolidated, clean to clayey, silty, fossiliferous, variably organic-bearing sands to blue green to olive green, poorly to moderately consolidated, sandy, silty, clays. Freshwater carbonates "*marls*" are buff colored to tan, unconsolidated to poorly consolidated, fossiliferous (mollusks) carbonate muds containing organics.

The limestone in this area consists of carbonate rock and its weathered residuum. Surface soil mantle is typically characterized by sands, sandy clays, or clays. In this and surrounding areas of Columbia County, Florida, the limestone is marked by solution features (sinkholes) associated with *karst* terrains. Areas underlain by karst terrains are prone to sinkhole activities, these sinkholes are primarily caused by an advanced state of internal soil erosion or raveling action, which under certain circumstances can lead to ground subsidences. This internal soil erosion is a very slow process by which soil particle usually migrate under the influence of a hydraulic gradient to underlying karsted and/or fractured limestone formation. There are several indicators generally associated with an advanced state of long term internal soil erosion such as noticeable surface depressions and very loose to soft soil zones just above the rock formation. In summary, and based on our site observations and the results of the test borings, it is our opinion the proposed construction will have no greater risk of damage due to sinkhole activity than the development of structures in other areas within the immediate vicinity of the subject site.

General Statements About Carbonate Terrains

Major topographic changes in surface or groundwater patterns in carbonate terrains can sometimes induce sinkholes. Therefore, it is recommended the site grades follow the existing topography as much as possible. In addition, no water wells should be installed within the site influence area, as pumping from these wells will cause groundwater fluctuations and may induce sinkholes. It must be understood that this exploration was not intended to predict or preclude future sinkholes from occurring/developing at this site or within the vicinity of the subject site.

Subsurface Soil Conditions

In general, the soil profile as disclosed by SPT borings B-1, B-2 and B-3 initially consisted of about 2½ to 3 feet of grayish brown and tan fine sand with silt (FILL). This stratum of recently

placed fill is underlain by about 2 to 4½ feet of reddish brown to tan fine sand with silt (SP-SM), about 6 to 7 feet of light gray fine sand (SP), and about 1½ to 4 feet of gray with reddish brown mottles clayey fine sand (SC) or about 2½ feet of light gray mottled with reddish brown sandy clay (CL). The sandy soils relative density vary from loose to dense with penetration resistance or "*N*" values ranging from 8 to 43 Blows Per Foot (BPF). The clayey soils have a very stiff consistency with an "*N*" value of 19 BPF.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Record of Boring Logs.

Groundwater

The depth to the groundwater was attempted at the boring locations at the time drilling was completed. The groundwater table was not encountered in any of the test borings. We note that due to the relatively short time frame of the field exploration, the groundwater may not have had sufficient time to stabilize. For a true "stabilized" groundwater level reading, piezometers may be required. In any event, fluctuation in groundwater levels should be anticipated due to seasonal climatic conditions, construction activities, rainfall variations, surface water runoff, and other site-specific factors.

RECOMMENDATIONS FOR FOUNDATION DESIGN & SITE PREPARATION

Foundation Support

Provided the foundation and site soils are prepared in accordance with the guidelines presented in this report, it is our opinion the proposed structure may be supported on a conventional shallow foundation system. The shallow foundation may be designed for an allowable bearing pressure of 2,500 pounds per square foot (psf) or less on in-situ soils or newly placed structural fill.

In using net pressures, the weight of the footing and backfill over the footing need not be considered. Only loads applied at or above final grade need to be used for dimensioning footings. However, wall bearing footings should be designed with a minimum width of 18 inches, while the individual column footings should have minimum dimensions of 2 feet by 2 feet.

Settlement Analyses

Actual magnitude of settlement that will occur beneath foundations will depend upon variations within the subsurface soil profile, actual structural loading conditions, embedment depth of the footings, actual thickness of compacted fill or cut, and the quality of the earthwork operations. Assuming the foundation related site work and foundation design is completed in accordance with the enclosed recommendations, we estimate the total settlement of the structure will be on the order of 1 inch or less. Differential settlements (between adjacent columns or along the length of a continuous wall footing) should be approximately one-half of the total settlement. This settlement is primarily the result of elastic compression of the upper looser sands, and should occur almost immediately following the application of the structural dead load during construction.

Uplift Resistance

Under wind loading conditions, the foundations will likely be subjected to uplift forces. To resist these uplift forces, it may be necessary to increase the footing size (thus increasing the dead weight) or lower the footing to mobilize additional soil weight above the footing. Uplift resistance from the soil may be evaluated as the weight of the soil directly above the footing, plus the shearing resistance along the vertical face of the soil prism. Alternately, the available soil uplift resistance may be calculated as the weight of the soil prism defined by the diagonal line drawn from the top of the footing to the ground surface at an angle of 30 degrees with the vertical. We recommend that a total unit weight of 100 pcf (compacted to 95% of the modified Proctor maximum dry density) be used for well-compacted, suitable fill. Should the bottom of any structure be below the stabilized seasonal-high groundwater level, these structures must be properly designed to resist the resulting uplift forces due to hydrostatic pressures.

Lateral Resistance

Lateral loads created by wind may be resisted by the passive pressure of the soil acting against the side of the individual footings and/or the friction developed between the base of the foundation system and the underlying soils. For compacted backfill and/or in-situ material, the passive pressure may be taken as an equivalent to the pressure exerted by a fluid weighing 300 pcf for above the groundwater table and 112 pcf below water level. A coefficient of friction equal to 0.4 may be used for calculating the frictional resistance at the base of the shallow footings. The resistance values discussed herein are based on the assumption that the foundations can withstand horizontal movements on the order of ¼ inch. Lateral resistance determined in accordance with the recommendations provided herein should be considered the total available resistance. Consequently, the design should include a minimum factor of safety of 1.5.

Lateral Earth Pressures

Generally, retaining walls (such as loading dock walls, if any) will be subjected to “at-rest” or “active” pressures. Retaining walls that are restrained at the top will be subject to "at-rest" pressures due to their restricted movement. The “at-rest” pressures may be calculated as the equivalent pressure exerted by a fluid density of 50 pcf. Where walls are not restrained at the top and thus allowed sufficient movement to mobilize "active" pressures, an equivalent fluid density of 33 pcf should be used in the design.

These values may be used only for walls above the groundwater table. The presence of any groundwater due to surface water intrusion should be handled with the use of a drainage layer behind the walls with a collection pipe discharging accumulated water away from the walls. If this is not practical, then the hydrostatic pressure due to water should be included in the design of the walls.

Drainage Considerations

Adequate drainage should be provided at the site to minimize increase in moisture content of the foundation soils. Excessive moisture can significantly reduce the soils bearing capacity and contribute to foundation settlement. For the protection of the foundation soils, we recommend the ground surface be sloped away from all proposed structures.

Floor Slab

All exposed surfaces within the floor slab area (**including 5 feet outside the perimeter of the building**) should be recompacted and proofrolled with a fully-loaded, tandem-axle dump-truck or similar pneumatic-tired equipment. Provided the recompaction and proofrolling operations do not indicate significant deflecting or pumping of the existing subgrade, the floor slab may be designed as a slab-on-grade. Any soft or loose soils found during the proofrolling operation should be undercut and/or replaced with suitable, well-compacted, engineered fill.

Floor slabs should be supported on at least 4 inches of relatively clean granular material, such as sand, sand and gravel, or crushed stone. This is to help distribute concentrated loads and equalize moisture beneath the slab. This granular material should have 100 percent passing the 1½ -inch sieve and a maximum of 10 percent passing the No. 200 sieve.

Based upon the soil conditions encountered at the subject site, the anticipated fill placement, and the recommended site preparation operations presented in this report, a modulus of vertical subgrade reaction (k) for the slab bearing soils of 150 pounds per square inch per inch of vertical deflection (pci) may be used.

Exposed Subgrade

Following excavation and backfilling, exposed soils in the building and pavement areas should be compacted with overlapping passes of a relatively heavy weight vibratory drum roller having a total operating static weight (weight of fuel and water included) of at least 10 tons and a drum diameter of 5 feet. All exposed surfaces should be compacted to a minimum of 95 percent of the modified Proctor maximum dry density (**ASTM D-1557**) to a depth of at least 12 inches below the compacted surface.

Structural Fill/Backfill

Structural fill should be placed in thin loose lifts not exceeding 12 inches in thickness and compacted with a heavy roller as described above. For walk-behind equipment, a maximum loose lift thickness of 6 inches is recommended. Each lift should be thoroughly compacted with the vibratory roller to provide densities equivalent to at least 95 percent of the modified Proctor maximum dry density (ASTM D-1557). Structural fill should consist of an inorganic, non-plastic, granular soil containing less than 10 percent material passing the No. 200 mesh sieve (relatively clean sand with a Unified Soil Classification of SP or SP-SM).

Report Limitations

This report has been prepared for the exclusive use of **GTC Design Group, LLC of Lake City, Florida** for the specific application to the project discussed herein. Our exploration identifies subsurface conditions only at the borings location and at the time they are taken. CTI conclusions and recommendations have been rendered using generally accepted standards of geotechnical engineering practice in the State of Florida. No other warranty is expressed or implied. CTI is not responsible for the interpretations, conclusions, opinions, or recommendations of others based on the data contained herein. We note that assessment of environmental conditions on this site was beyond the scope of this exploration.

Closing

We appreciate the opportunity to work with you on this project, and look forward to serving as your geotechnical and construction materials testing consultant for the remainder of this and future projects. Should you have any questions and/or comments concerning this report, please contact our office at 386-755-3633.

Respectfully submitted,
Cal-Tech Testing, Inc.

David B. Brown
Executive Vice President

Nabil O. Hnaidi, P.E.
Senior Geotechnical Engineer
Licensed, Florida No. 57842

Distribution: *File (1 copy)*
Addressee (2 bound copies)

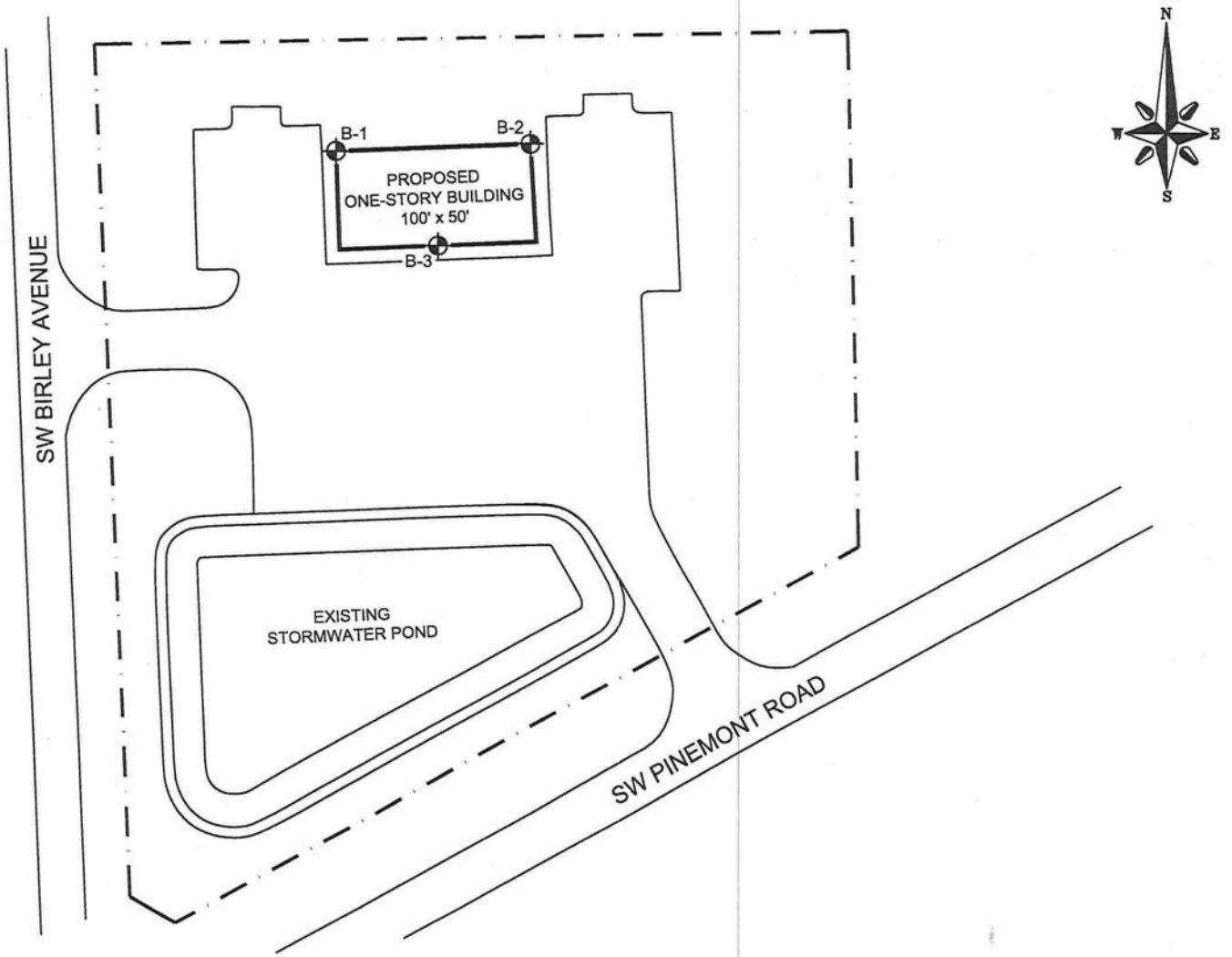
Attachments: *Vicinity Map (1 page)*
Field Exploration Plan (1 page)
Record of Boring Logs (3 pages)
Unified Soil Classification System (1 page)
Key To Test Data (1 page)

ATTACHMENTS

CAL-TECH TESTING, INC. **P.O. Box 1625** **Lake City, Florida 32056-1625** **Phone: (386) 755-3633** **Fax: (386) 752-5456**	**VICINITY MAP** **S & S Store #29** **Pinemont Road & Birley Road** **Lake City, Columbia County, Florida** **Cal-Tech Testing Project No. 10-00126-01**

Figure 1

FOR ILLUSTRATION ONLY
NOT TO SCALE
NOT FOR CONSTRUCTION



⊕ STANDARD PENETRATION TEST BORINGS PERFORMED BY CTI ON MARCH 26, 2010

GEOTECHNICAL EXPLORATION
S & S STORE #29
PINEMONT ROAD & BIRLEY AVENUE
LAKE CITY, COLUMBIA COUNTY, FLORIDA

CAL-TECH TESTING, INC.
P.O. Box 1625
Lake City, Florida 32056-1625
Phone: (386) 755-3633
Fax: (386) 752-5456

FIELD EXPLORATION PLAN

Project No. 10-00126-01		DATE: 03/29/2010	FIGURE: 2
	APPROVED:		SCALE: N.T.S.

0,0

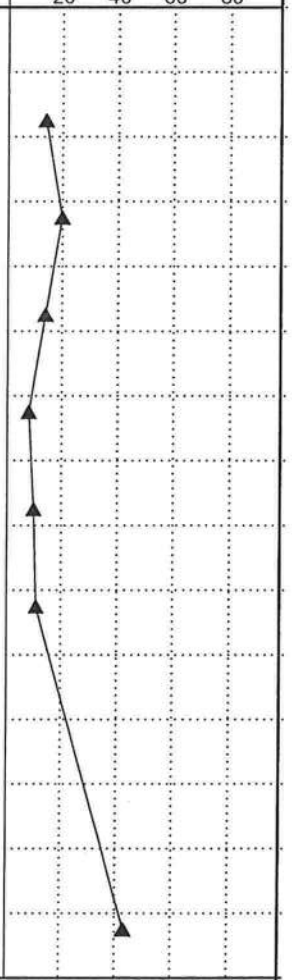
CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-1

CLIENT GTC Design Group, LLC
PROJECT NAME S & S Store # 29 - Pinemont Rd. & Birley Ave.
PROJECT NUMBER 10-00126-01
PROJECT LOCATION Lake City, Columbia County, Florida
DATE STARTED 03/26/10 **COMPLETED** 03/26/10
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING ---
LOGGED BY N.H. **CHECKED BY** _____
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		MEDIUM DENSE, grayish brown and tan, fine sand with silt (FILL)					
			SPT 1		3-6-8 (14)		
			SPT 2		6-8-12 (20)		
5		MEDIUM DENSE, reddish brown to tan, fine sand with silt (SP-SM)	SPT 3		9-8-6 (14)		
		LOOSE to MEDIUM DENSE, light gray, fine sand (SP)	SPT 4		4-4-4 (8)		
			SPT 5		4-5-5 (10)		
10			SPT 6		9-5-6 (11)		
		DENSE, gray with reddish brown mottles, clayey fine sand (SC)					
15			SPT 7		10-17-26 (43)		

▲ SPT N VALUE ▲
20 40 60 80
PL MC LL
20 40 60 80
☐ FINES CONTENT (%) ☐
20 40 60 80



Bottom of borehole at 15.0 feet.

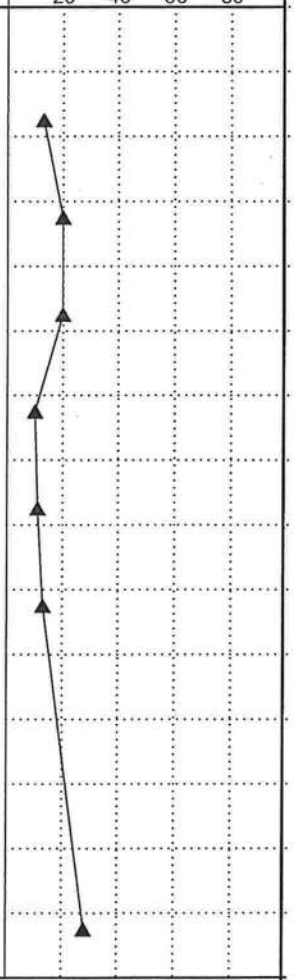
CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-2

CLIENT GTC Design Group, LLC
PROJECT NAME S & S Store # 29 - Pinemont Rd. & Birley Ave.
PROJECT NUMBER 10-00126-01
PROJECT LOCATION Lake City, Columbia County, Florida
DATE STARTED 03/26/10 **COMPLETED** 03/26/10
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING ---
LOGGED BY N.H. **CHECKED BY** _____
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		MEDIUM DENSE, grayish brown and tan, fine sand with silt (FILL)					
			SPT 1		4-6-7 (13)		
			SPT 2		7-9-11 (20)		
		MEDIUM DENSE, reddish brown to tan, fine sand with silt (SP-SM)	SPT 3		7-10-10 (20)		
5			SPT 4		6-5-5 (10)		
			SPT 5		4-5-6 (11)		
		MEDIUM DENSE, light gray, fine sand (SP)	SPT 6		4-6-7 (13)		
10							
		MEDIUM DENSE, gray with reddish brown mottles, clayey fine sand (SC)	SPT 7		8-12-16 (28)		
15							

Bottom of borehole at 15.0 feet.



CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

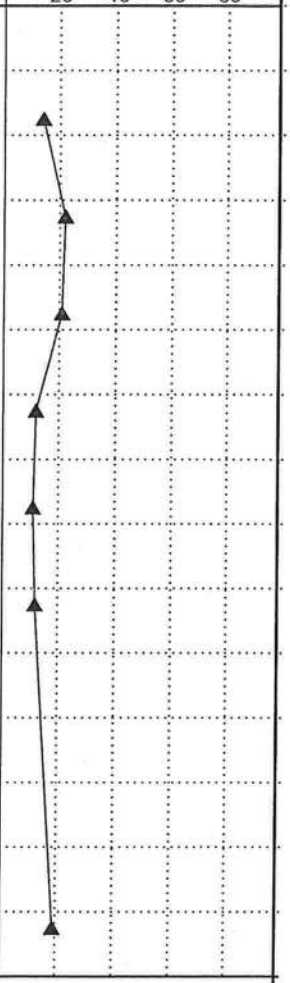
BORING NUMBER B-3

CLIENT GTC Design Group, LLC
PROJECT NAME S & S Store # 29 - Pinemont Rd. & Birley Ave.
PROJECT NUMBER 10-00126-01
PROJECT LOCATION Lake City, Columbia County, Florida
DATE STARTED 03/26/10 **COMPLETED** 03/26/10
GROUND ELEVATION _____ **HOLE SIZE** 4"
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING ---
LOGGED BY N.H. **CHECKED BY** _____
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (manual hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD %)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		MEDIUM DENSE, grayish brown and tan, fine sand with silt (FILL)					
			SPT 1		6-7-7 (14)		
		MEDIUM DENSE, reddish brown to tan, fine sand with silt (SP-SM)	SPT 2		6-11-11 (22)		
5			SPT 3		9-10-11 (21)		
		MEDIUM DENSE, light gray, fine sand (SP)	SPT 4		7-6-6 (12)		
			SPT 5		5-5-6 (11)		
10			SPT 6		5-6-6 (12)		
		STIFF, light gray mottled with reddish brown, sandy clay (CL)					
15			SPT 7		6-8-11 (19)		

Bottom of borehole at 15.0 feet.

▲ SPT N VALUE ▲
20 40 60 80
PL MC LL
20 40 60 80
☐ FINES CONTENT (%) ☐
20 40 60 80



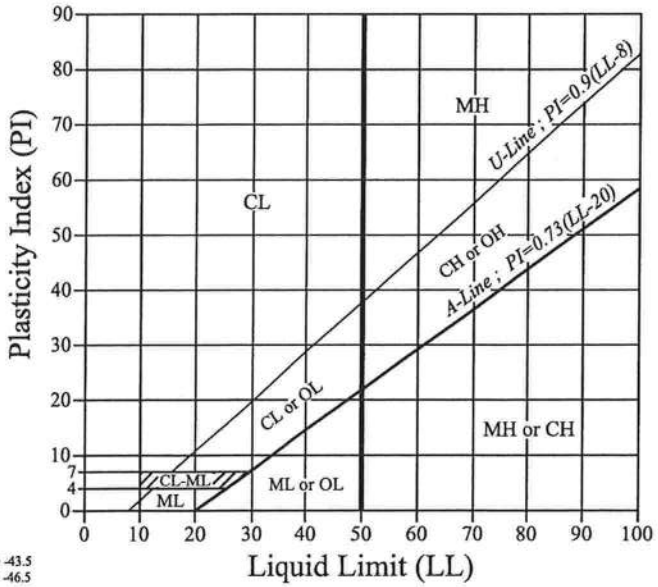
GEOTECH BH PLOTS - GINT STD US LAB.GDT - 03/29/10 15:03 - C:\ALL-DATA\REPORTS\REPORTS 2010\10-00126-01 LOGS.GPJ

UNIFIED SOIL CLASSIFICATION SYSTEM
ASTM DESIGNATION D-2487

MAJOR DIVISIONS			GROUP SYMBOL	TYPICAL NAMES	LABORATORY CLASSIFICATION CRITERIA
COARSE GRAINED SOILS (More than half of the material is larger than No. 200 sieve)	Gravels (more than half of the coarse fraction is larger than No. 4 sieve)	Clean gravels	GW	Well-graded gravels, gravel-sand mixtures, little or no fines.	Determine percentage of sand and gravel from grain size curve Depending on percentage of fines (fraction smaller than No. 200 Sieve size), coarse grained soils are classified as follows: Less than 5% ..... GW, GP, SW, SP; More than 12% ... GM, GC, SM, SC; 5 to 12% ..... Borderline cases requiring dual symbols
			GP	Poorly graded gravels, gravel-sand mixture, little or no fines.	$C_u = \frac{D_{60}}{D_{10}} > 4 \;;\; 1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} < 3$
		Gravel with fines	GM	Silty gravels, gravel-sand-silt mixtures.	Not meeting all gradation requirments of GW
			GC	Clayey gravels, gravel-sand-clay mixtures.	Atterberg Limits below A-Line or PI less than 4; Atterberg Limits above A-Line or PI greater than 7; Above A-Line with PI between 4 and 7 are borderline cases requiring the use of dual symbols.
	Sands (more than half of the coarse fraction is smaller than No. 4 sieve)	Clean sands	SW	Well-graded sands, gravelly sands, little or no fines.	$C_u = \frac{D_{60}}{D_{10}} > 6 \;;\; 1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} < 3$
			SP	Poorly graded sands, gravelly sands, little or no fines.	Not meeting all gradation requirments of SW
		Sands with fine	SM	Silty sands, sand-silt mixtures.	Atterberg Limits below A-Line or PI less than 4; Atterberg Limits above A-Line or PI greater than 7; Limits plotting in hatched zone with PI between 4 and 7 are borderline cases requiring the use of dual symbols.
			SC	Clayey sands, sand-clay mixtures.	
FINE GRAINED SOILS (More than half of the material is finer than No. 200 sieve)	Silts and Clays (LL less than 50)		ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity.	
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clay.	
			OL	Organic silts and organic silty clays of low plasticity.	
	Silts and Clays (LL greater than 50)		MH	Inorganic silts, micaceous or diato-maceous fine sandy or silty soils, elastic silts.	
			CH	Inorganic clays of high plasticity, fat clay.	
			OH	Organic clays of medium to high plasticity, organic silts.	
	Highly Organic Soils		Pt	Peat and other highly organic soils.	

PLASTICITY CHART

1. Plot intersection of PI as determined by the Atterberg Limits tests.
2. Points plotted above the A-Line indicate clay soils.
3. Points plotted below the A-Line indicate silt.



CAL-TECH TESTING, INC.
P.O. Box 1625
Lake City, Florida 32056-1625
Phone: 386-755-3633 Fax: 386-752-5456

5% Max. Passing the U.S. No. 200 Sieve ..... SP
5% - 12% Passing the U.S. No. 200 Sieve ..... SP-SM
12% - 50% Passing the U.S. No. 200 Sieve ..... SM/SC

KEY TO TEST DATA

STANDARD PENETRATION TEST:
Soil sampling and penetration testing is performed in accordance with ASTM D-1586. The standard penetration resistance ("*N*") is the number of blows of a 140-pound hammer falling 30 inches to drive a 2-inch O.D., 1.4-inch I.D. split spoon sampler one foot.

ROCK CORE DRILLING:
Rock sampling and core drilling is performed in accordance with ASTM D-2113. The rock quality designation percentage (RQD) is determined by summing only pieces of core that are at least 4 inches long, and dividing by the "run" length.

Relation of RQD and In-situ Rock Quality

RQD (%)	Rock Quality
90 -100	Excellent
75 - 90	Good
50 -75	Fair
25 - 50	Poor
0 - 25	Very Poor

RELATIVE DENSITY (SANDS):

Very loose - less than 4 blows/ft.
Loose - 5 to 10 blows/ft.
Medium - 11 to 30 blows/ft.
Dense - 31 to 50 blows/ft.
Very dense - over 50 blows/ft.

CONSISTENCY (SILTS & CLAYS):

Very soft - less than 2 blows/ft.
Soft - 3 to 4 blows/ft.
Medium stiff - 5 to 8 blows/ft.
Stiff - 9 to 15 blows/ft.
Very stiff - 16 to 30 blows/ft.
Hard - 31 to 50 blows/ft.
Very hard - over 50 blows/ft.

HARDNESS (ROCKS):

Soft - Rock core crumbles when handled.
Medium - Can break core with hands.
Moderately hard - Thin edges of rock core can be broken with fingers.
Hard - Thin edges of core can not be broken with fingers.
Very hard - Can not be scratched with knife.

GROUNDWATER:
Water levels shown on boring logs are taken immediately upon completion of boring, and are intended for general information. The apparent level may have been altered by the drilling process. Groundwater levels, if desired, can be monitored over a long time interval.

CAL-TECH TESTING, INC.
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Lake City, Florida 32056-1625
Phone: 386-755-3633 Fax: 386-752-5456

5% Max. Passing the U.S. No. 200 Sieve ..... SP
5% - 12% Passing the U.S. No. 200 Sieve ..... SP-SM
12% - 50% Passing the U.S. No. 200 Sieve ..... SM/SC

Lake City • (386) 755-3633
Fax • (386) 752-5456

Jacksonville • (904) 381-8901
Fax • (904) 381-8902

CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254

JOB NO.: 10-062
DATE TESTED: 4-28-10

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: ✓ (D-2922) Nuclear _____ (D-2937) Drive Cylinder _____ Other

PROJECT: 545 Pinemount Rd. # 28498

CLIENT: O'Neal Contracting

GENERAL CONTRACTOR: O'Neal EARTHWORK CONTRACTOR: Tony Jordan

SOIL USE (SEE NOTE): 1 SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: C. Day

MODIFIED (ASTM D-1557): ✓ STANDARD (ASTM D-698): _____

TEST NO.	TEST LOCATION	TEST: ___DEPTH ___ELEV. ___LIFT	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST PERCENT	% MAX. DENS.
32	S.E. Corner of footing	12"	1	117.2	105.3	11.3	98
33	N.E. Corner of footing	12"	1	119.7	105.7	13.3	98
34	N.W. Corner of footing 25' E.	12"	1	115.5	105.1	9.9	97
35	S.W. Corner of footing 25' N.	12"	1	116.5	105.5	10.5	98
36	S.W. Corner, first pier footing going east	12"	1	112.6	104.3	8.0	97
37	S.W. Corner, fourth pier footing going east	12"	1	117.3	106.0	10.7	98

REMARKS: _____

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
1	Tan Fine Sand	108.0	9.0
2	Tan Sand	109.0	12.0

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 05-4S-16-02777-000 **Building permit No.** 000028498

Use Classification COMM. STORE S&S #29 **Fire:** 568.30

Permit Holder O'NEAL CONTRACTING **Waste:**

Owner of Building STAFFORD SCAFF **Total:** 568.30

Location: 2366 SW PINEMOUNT RD, LAKE CITY, FL 32024

Date: 12/07/2010

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

GTC DESIGN GROUP

GTC Design Group, LLC
176 NW Lake Jeffery Road
Lake City, FL 32643
(Phone) 386.719.9985
(Fax) 386.719.8828
cwilliams@gtcdesigngroup.com

Finish Floor Elevation Certification

Owner: Lester Scaff

Parcel Number: 05-4S-16-02777-000

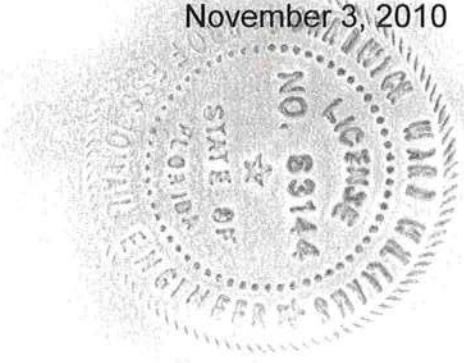
Parcel Description: Pinemount Road & Birley Avenue (S&S Food Store #29)

On November 2, 2010, GTC Design Group LLC verified the heated and cooled Finish Floor Elevation of S & S #29 with a Nikon, Automatic Level, Model AP-8. The following are actual elevation shots. See attached sheets.

Finish Floor Elevation (FFE)	118.04
Bench Mark 2 per Donald F Lee & Associates	114.16
Bench Mark 3 per Donald F Lee & Associates	113.90

11-3-2010

Chad Williams
P.E. License Number: 63144
November 3, 2010



S & S # 29

SITE PLAN

FOR:

S&S Food Stores
Lester Scaff
134 SE Colburn Ave
Lake City, FL 32025
Phone: (386) 752-7344

GTC Design Group, LLC.
Auth. # 9461
Structural / Civil Engineers
www.gtcdesigngroup.com

Live Oak
P.O. Box 187
130 West Howard Street
Live Oak, FL 32064
Phone: (386) 362-3678
Fax: (386) 362-6133

Lake City
176 NW Lake Jeffery Rd
Lake City, FL 32055
Phone: (386) 719-9985
Fax: (386) 719-8828
www.gtcdesigngroup.com

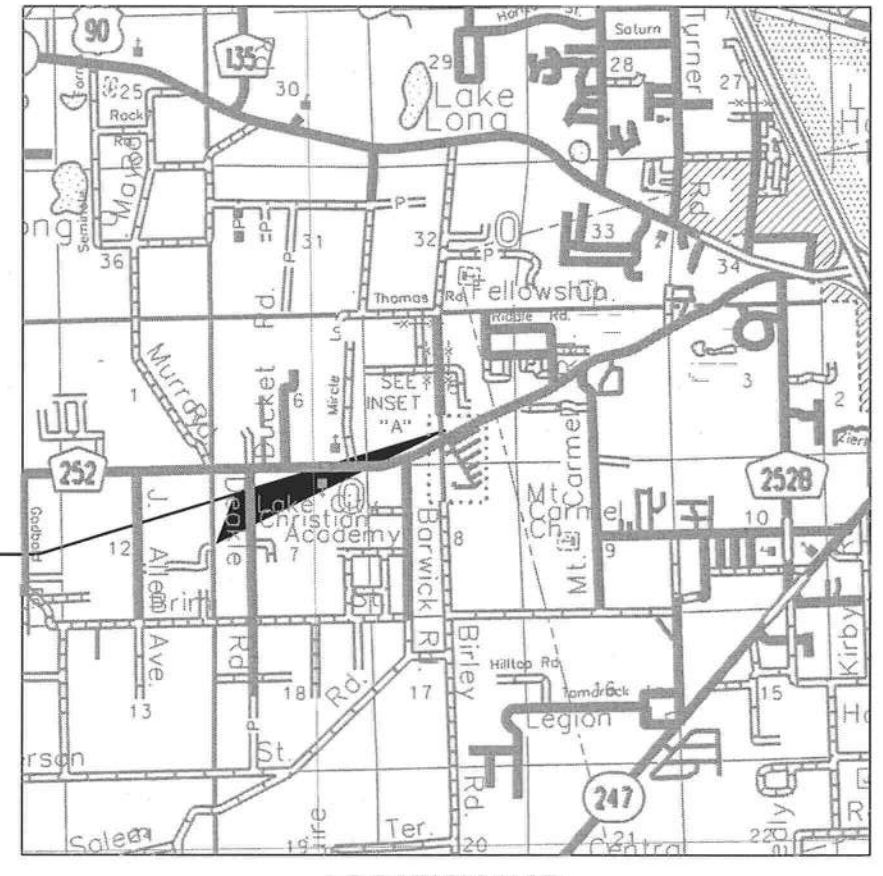
Chadwick W. Williams, PE 63144
Auth. #: 9461

REVISIONS:
2-3-10 : PER COLUMBIA COUNTY

COLUMBIA COUNTY BUILDING DEPARTMENT SUBMITTAL

3-16-2010

SHEET INDEX



PROJECT LOCATION

LOCATION MAP

SECTION 05, TOWNSHIP 4 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

GTC PROJECT NO. PF09-029
RELEASED FOR CONSTRUCTION BY: _____ DATE: _____

LEGEND

EXISTING	PROPOSED
CONCRETE MONUMENT FOUND	TELEPHONE POLE
IRON PIPE FOUND	TELEPHONE MANHOLE
ELECTRIC METER	ELECTRIC MANHOLE
ELECTRIC MANHOLE	ELECTRIC METER
LIGHT STANDARD	LIGHT
POWER POLE	STANDARD POWER POLE
SHARED POWER POLE W/ TRANSFORMER	POWER POLE SHARED
SHARED POWER POLE	POWER POLE SHARED W/ TRANSFORMER
TELEPHONE POLE	GAS METER
REDUCER	GAS VALVE
WATER METER	WATER METER
WATER VALVE	WATER VALVE
FIRE HYDRANT	WATER REDUCER
BACKFLOW PREVENTER	WATER TEE
SANITARY SEWER VALVE	WATER 90° BEND
SANITARY MANHOLE	SINGLE WATER SERVICE
STORMWATER MANHOLE	DOUBLE WATER SERVICE
FDOT STROMWATER MANHOLE	FIRE HYDRANT
GROUND CONTOUR	BACKFLOW PREVENTER
D.O.T. MARKER FOUND	SANTARY MANHOLE
GAS METER	SANITARY VALVE
GAS VALVE	SANITARY SINGLE SERVICE
SOIL BORING LOCATION	SANITARY DOUBLE SERVICE
SINGLE POST SIGN	GROUND CONTOUR — 25 —
BENCH MARK	DITCH BLOCK
SECTION CORNER	STORMWATER MANHOLE
	FLOW ARROW
	HANDICAP PARKING
	MITERED END
	SIGN

ABBREVIATIONS

℄	PROPERTY LINE	IP	IRON PIPE
℄	CENTER LINE	MH	MANHOLE
℄	BASE LINE	G	GAS
SAN	SANITARY SEWER	UC	UNDERGROUND CABLE
ST	STORM SEWER	OC	OVERHEAD CABLE
E	ELECTRIC	W	WATER LINE
OHE	OVERHEAD ELECTRIC	HDPE	HIGH-DENSITY POLYETHYLENE
UG	UNDERGROUND ELECTRIC	RCP	REINFORCED CONCRETE PIPE-ROUND
OHT	OVERHEAD TELEPHONE	RCPA	REINFORCED CONCRETE PIPE-ARC
UT	UNDERGROUND TELEPHONE	RCPE	REINFORCED CONCRETE PIPE-ELLIPTICAL
R	RADIUS	CMP	CORRUGATED METAL PIPE-ROUND
CO	CLEANOUT	CMPA	CORRUGATED METAL PIPE-ARC
BM	BENCH MARK	BCCMP	BITUMINOUS COATED CORRUGATED METAL PIPE
IE	INVERT ELEVATION	BCCSP	BITUMINOUS COATED CORRUGATED STEEL PIPE
LF	LINEAR FEET		

GENERAL NOTES

1. The contractor shall verify all existing conditions and dimensions at the job site to insure 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 and Columbia County, Florida (Department of Growth Management) of such differences immediately & prior to proceeding with the work.
2. The contractor shall maintain the construction site at all times in a secure manner. All open trenches and excavated areas shall be protected from access by the general public.
3. Boundary and topographical information shown was obtained from a survey performed by Donald F. Lee & Associates, Inc., P.S.M. Florida Certificate #7042.
4. 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.
5. Contractor shall contact GTC Design Group, LLC and Department of Public Works for Columiba County to preform site inspections. No Certificate of Occupancy will be issued for any developments that do not receive the following inspections.
   A. Erosion & sediment control inspection (prior to commencing construction)
   B. Completion of clearing and grubbing (no test requirements)
   C. Rough Grading and Drainage Structures in Place (LBR test results required)
   D. Subgrade of pavement sections complete (Denisty test results required)
   E. Aspahlt/Concrete in place (Thickness and Density tests required)
   F. Site Compliance Inspection (once building foundation poured)
   G. Final Site Compliance Inpsection (once all improvements are finalized)
6. Contractors shall adhere to the Erosion Control Plan. All erosion control measures shall be implemented prior to construction and be continued until construction is complete.
7. The stormwater system is designed in accordance with SRWMD.
8. 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.
9. A pad of rubble riprap shall be placed at the bottom of all collection flumes and collection pipe outlets.
10. Existing drainage structures within the construction limits shall be removed, unless otherwise specified in the plans.
11. The location of the utilities shown in the plans is approximate only. The exact location shall be determined by the contractor during construction.
12. The contractor shall waste all excess earth on site as directed by the engineer.
13. All site construction shall be in accordance with the Columbia County Land Development Regulations.
14. Contractor shall provide an as-built survey meeting the requirements of Chapter 61G17 F.A.C. for the stormwater management systems. Include horizontal and vertical dimensional data so that improvements are located and delineated relative to the boundary. Provide sufficient detailed data to determine whether the improvements were constructed in accordance with the plans. Submit the survey to the engineer on reproducible 20 lb. Vellum.
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 limits.
17. Contractor shall sod all slopes of 4' horizontal to 1' vertical and staple sod all slopes of 2' horizontal to 1' vertical.
18. All swales, depression areas and retention ponds shall be inspected monthly for sinkhole occurrence. Should a sinkhole occur, the area should be repaired as soon as possible. If a solution pipe sinkhole does form in the stormwater system, then the sinkhole shall be repaired by backfilling with a lower permeability material. A 2-foot cap that extends 2 feet beyond the perimeter of the sinkhole shall be constructed with clayey soils. The clayey soil should have at least 20% passing the number 200 sieve, compacted to 95% of Standard Proctor, and compacted in a wet condition with moisture 2%-4% above optimum. The clay soil cap shall be re-graded to prevent ponding and re-vegetated.
19. All construction shown in these plans shall conform to FDOT indexes and specifications.
20. All stormwater pipes shall have a minimum cover of 6". Use Limerock backfill if pipe under pavement has less than 12" cover.
21. Potable water will be supplied by the City of Lake City and sanitary sewer will be supplied by on-site septic system.
22. The construction plans must be reviewed and approved by Columbia County prior to commencing construction.
23. All materials and construction shall conform to the requirements of the FDOT Standard Specifications for Road and Bridge Construction.
24. The materials and construction shall be certified by a testing laboratory retained by the contractor. Copies of all test results shall be provided prior to acceptance.
25. All traffic control and safety items (striping, stop bars, regulatory signs, etc.) shall be in place.
26. The temporary grass shall be sufficient to control erosion.
27. Final inspection for acceptance to be performed by GTC Design Group and Public Works Director.

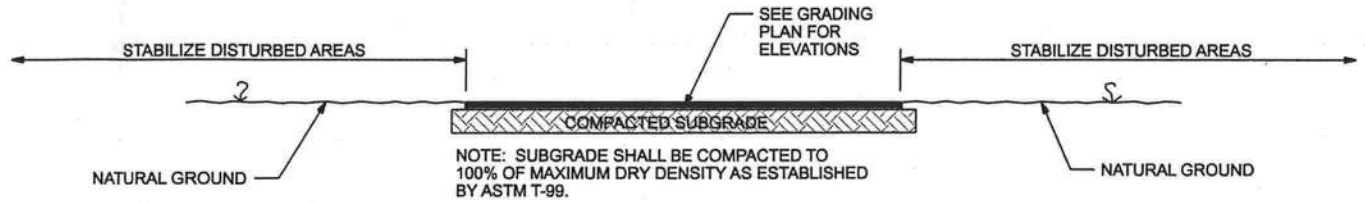
PROJECT CONTACTS

GTC DESIGN GROUP
(386) 719-9985

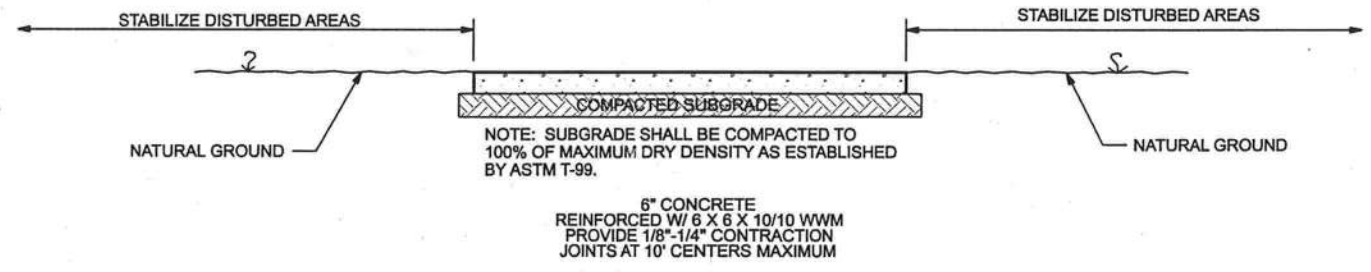
COLUMBIA COUNTY PUBLIC WORKS
(386) 758-1019

CITY OF LAKE CITY UTILITIES
(386) 752-5452

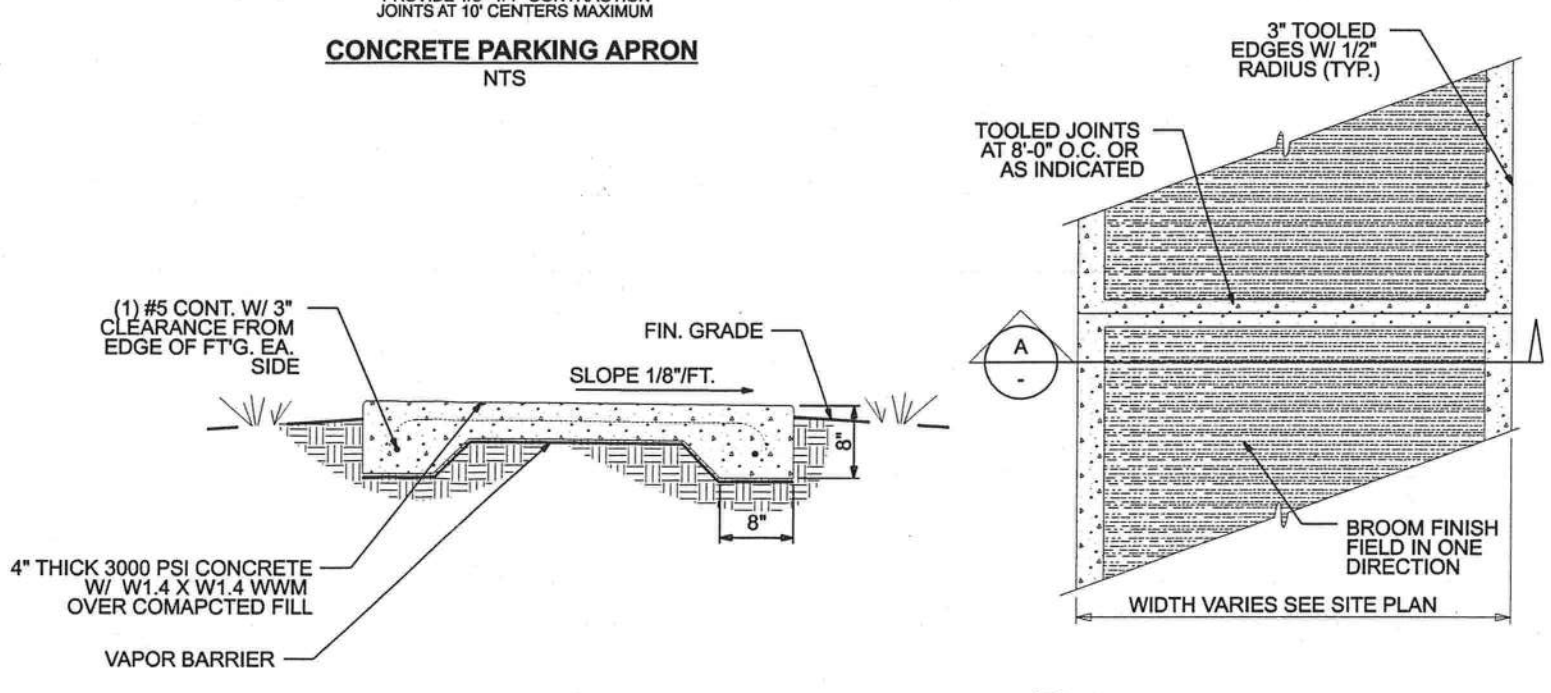
SUWANNEE RIVER WATER MANAGEMENT
(396) 362-1001



ASPHALT PARKING APRON
NTS



CONCRETE PARKING APRON
NTS



SIDEWALK TYPICAL SECTION (A / -)
NTS

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DATE	REVISION NOTES

S & S # 29

GENERAL NOTES & DETAILS

3-16-2010

DRAWN BY	CHECKED BY
MC	CW

PROJECT NUMBER
PF09-029

SHEET
1

NW COR. OF SW 1/4
OF SE 1/4 OF SEC. 5

393.46' (F)
N 88°48'11" E (F)
381.44' (F)

393.46' (D)
N 88°48'41" E (D)

893.47' (D)
N 88°27'05" E (D)

N 88°48'11" E (F)
499.62' (F)

P.O.B.
CMS
LB 7042

P.O.B.
OUTPARCEL
CMF
C. HORNE, PLS

N. LINE OF SW 1/4
OF SE 1/4 OF SEC. 5

12.02' (F)

3.11 ACRES

S 11°19'13" E (D)
261.86' (F)
261.92' (D)
S 10°30'07" E (F)

N 21°48'58" W (F)
N 21°48'58" W (D)
N 21°48'58" W (M)
N 21°48'58" W (P)

BM3
IN PP
EL.=113.90

PP
BM1
EL.=119.30
IN PP

CMF
LB 7042

TP

S 61°11'29" W (BEARING BASE)
S 60°49'18" W (D) 1003.34' (D)

S 61°11'29" W (D) 564.31' (D)
544.77' (F)

EXISTING WATER MAIN

AT&T SERV. BOX
10" DIA. AT&T
LID

AT&T SERV. BOX
AT&T SERV BOX
W/ METER
10" DIA. AT&T
LID

AT&T
SERV.
BOX

10" DIA. BOX
AT&T
LID

10" DIA. AT&T
LID

MHT
EL.=117.94

S. BELL
MARKER

SSS
45MPH

2-BUTTROAD (11' WIDE)

395.28' (F)

SW BIRLEY AVE

SW PINEMOUNT RD

465.33' (D)
465.36' (F)

INTERSTATE 10 (300')

W. LINE OF SW 1/4
OF SE 1/4 OF SEC. 5

CMS
LB 7042

N 60°31'39" W (F)
26.29' (F)

CMS
LB 7042

MARKER
S. BELL BOX PP

BM2
EL.=114.16 PP
ND 6682

SSS
CHURCH

SSS
BIRLEY

0 30 60 120

DATE	REVISION NOTES

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S & S # 29

EXISTING CONDITIONS

3-16-2010

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MC	CW

PROJECT NUMBER
PF09-029

SHEET
2

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1. 10' X 20' DUMPSTER PAD
2. PROPOSED (7') SIDEWALK
3. 8 FUEL POSITIONS
4. FUEL CANOPY
5. PROPOSED (24") WHITE STOP BAR
6. AIR PUMP / WATER STATION
7. REQUIRED YARD SETBACKS
   FRONT = 25'
   SIDE = 15'
8. PROPERTY BOUNDARY
9. PROPOSED S&S STORE SIGN

PROPOSED LANDSCAPE

PROPOSED CONCRETE PAVEMENT

PROPOSED CONCRETE / GAS CANOPY

PROPOSED ASPHALT PAVEMENT

PROPOSED SIDEWALK

ZONING:
AGRICULTURE

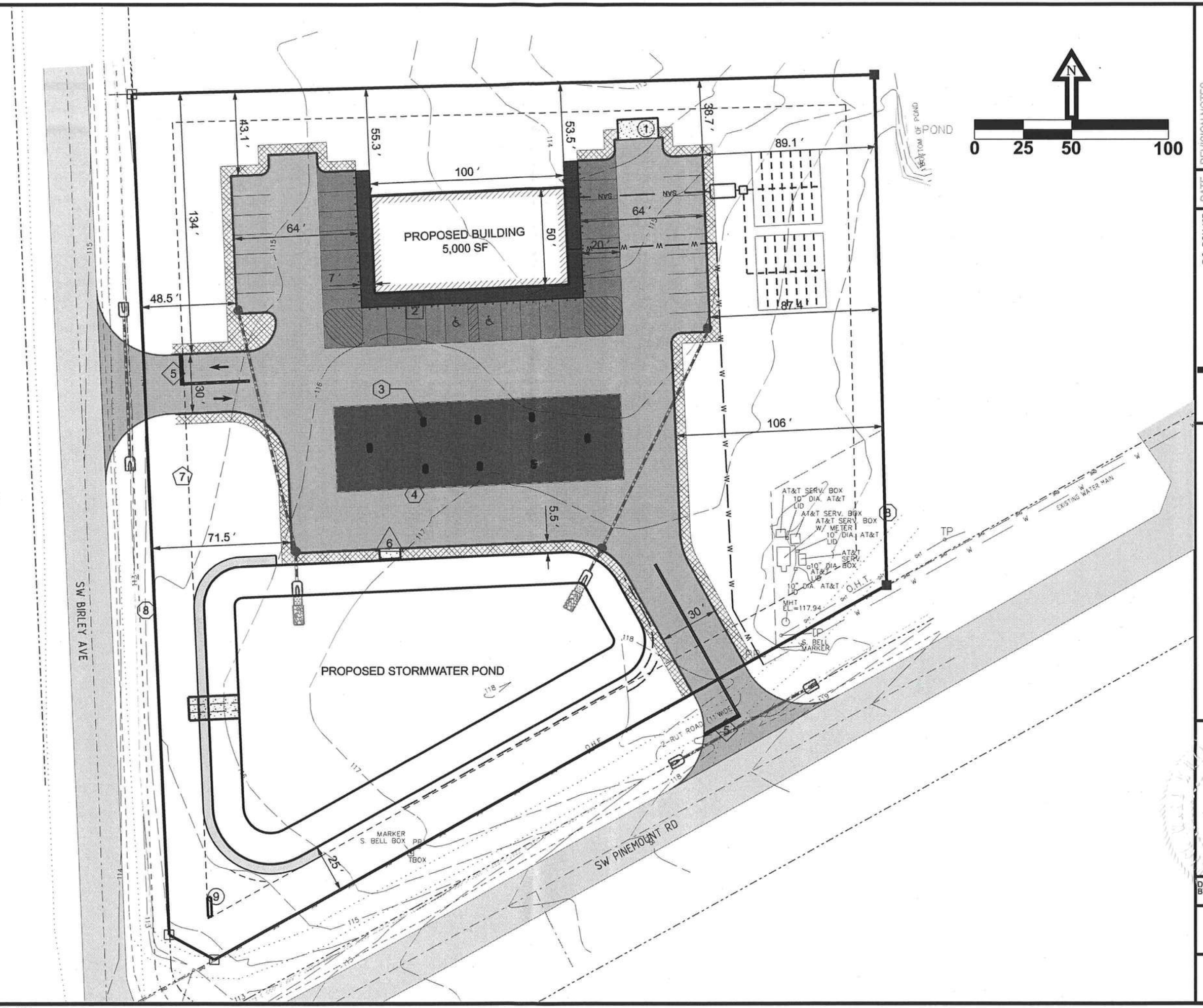
PROPOSED IMPERVIOUS AREA:
5,000 SF BUILDING
29,314 SF ASPHALT PAVEMENT
5,890 SF CONCRETE PAVEMENT
1,680 SF CONCRETE (SIDEWALK)
516.5 SF CONCRETE (C&G)
200 SF CONCRETE (DUMPSTER PAD)
50 SF CONCRETE (AIR PUMP STATION)
6,512 SF CONCRETE (FUEL CANOPY PAD)

REQUIRED PARKING:
PROPOSED
5,000 SF / 200 SF = 25 SPACES

HANDICAP
1 SPACE PER 25 SPACES

TOTAL PARKING REQUIRED:
25 SPACES

AVAILABLE PARKING:
2 HANDICAP
38 REGULAR
41 TOTAL



DATE	REVISION NOTES
2-3-10	PER COLUMBIA COUNTY

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S & S # 29

SITE PLAN

3-16-2010

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SHEET
3

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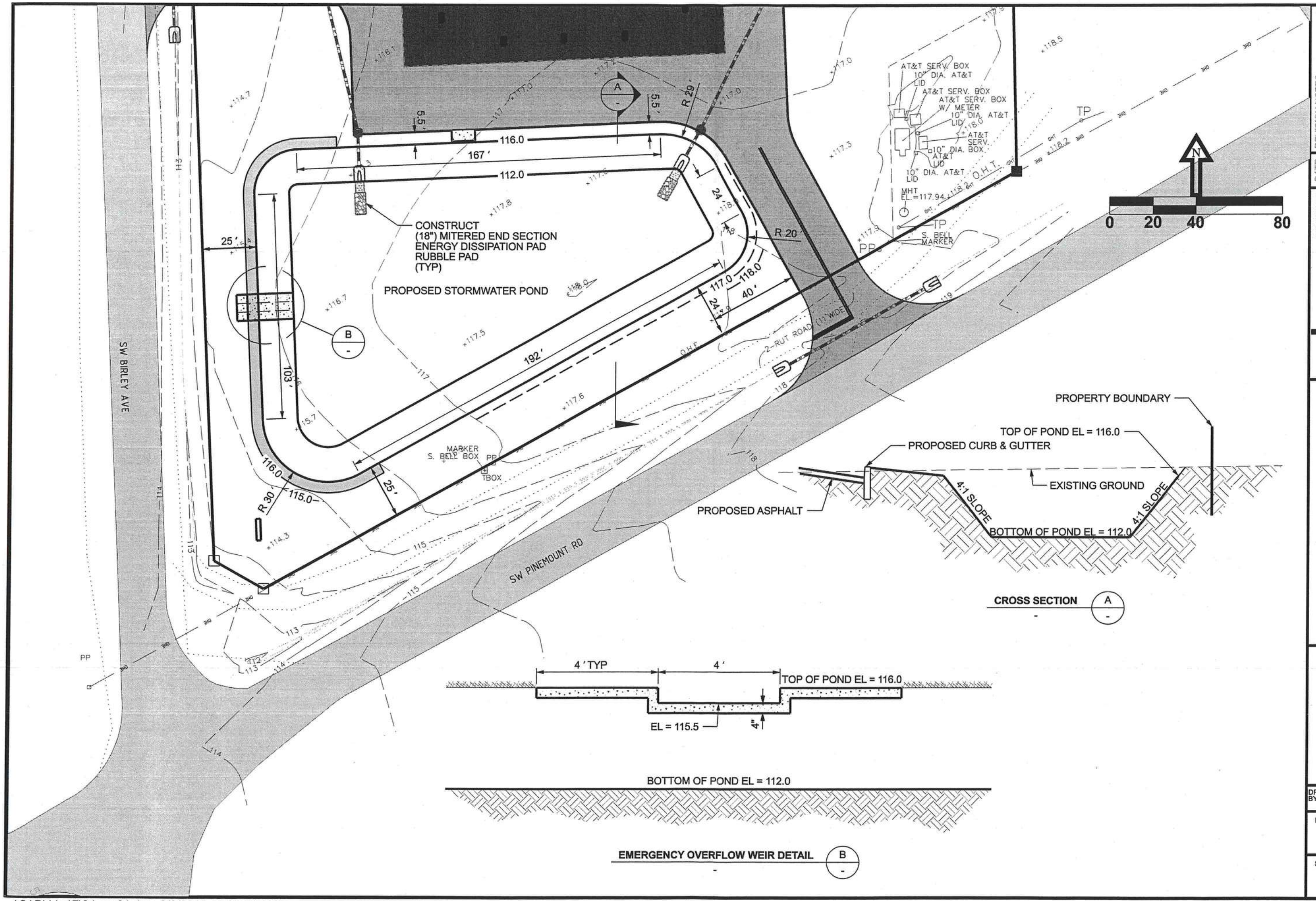

CROSS SECTION A

EMERGENCY OVERFLOW WEIR DETAIL B

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DATE | REVISION NOTES

S & S # 29

STORMWATER PLAN

3-16-2010

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MC	CW

PROJECT NUMBER
PF09-029

SHEET
4

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PROPOSED BUILDING
FFE = 118.0

PROPOSED STORMWATER POND

MATCH EXISTING GRADES
EL = +/- 114.8

MATCH EXISTING GRADES
EL = +/- 114.6

MATCH EXISTING GRADES
EL = +/- 119.4

MATCH EXISTING GRADES
EL = +/-118.3

DATE	REVISION NOTES
2-3-10	PER COLUMBIA COUNTY

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S & S # 29

GRADING PLAN

3-16-2010

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CHECKED BY: CW

PROJECT NUMBER
PF09-029

SHEET
5

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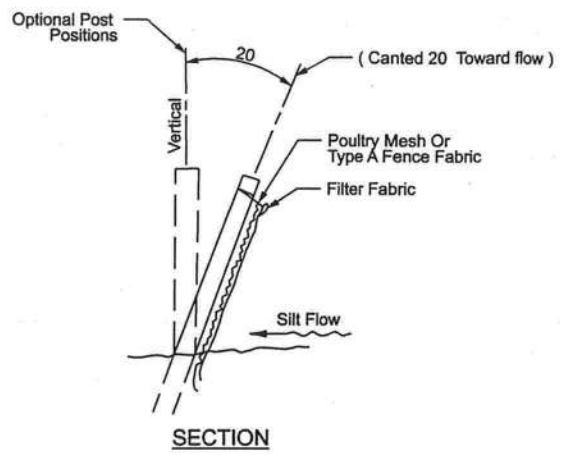
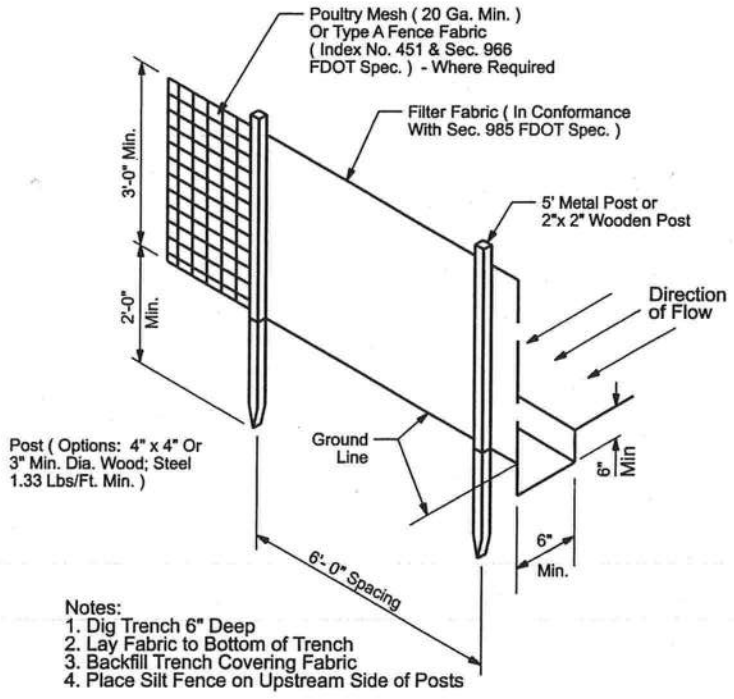
EROSION CONTROL NOTES

1. Contractor shall adhere to Columbia County, SRWMD and other governing authorities for erosion and sediment control regulations. Contractor shall use BMP's from "The Florida Development Manual".
2. Sediment and erosion control facilities, storm drainage facilities and detention basins shall be installed prior to any other construction.
3. Erosion control measures shall be inspected weekly and after each rainfall and replaced as necessary.
4. Sediment and erosion control measures shall not be removed until all construction is complete and until a permanent ground cover has been established.
5. All open drainage swales shall be grassed and riprap shall be placed as required to control erosion.
6. Silt fences shall be located on site to prevent sediment and erosion from leaving right-of-way limits.
7. Additional erosion control devices shall be used as required.
8. Silt fence shall be cleaned or replaced when silt builds up to within one foot of top of silt fence.
9. During construction and after construction is complete, all structures shall be cleaned of all debris and excess sediment.
10. Contractor is responsible for the construction and maintenance of all erosion and sedimentation controls during proposed construction.
11. A pad of rubble riprap shall be placed at the bottom of all collection flumes and collection pipe outlets.
12. 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.
13. Staked silt fences shall be placed near all box culvert extensions in accordance with FDOT Standard Index 102.
14. Disturbed areas shall be stabilized with sodding and/or grassing and mulching. All side slopes steeper than 3:1 shall be adequately protected from erosion through the use of hay bales and/or sodding.
15. All stabilization practices shall be initiated as soon as practicable in areas of the job where construction activities have temporarily or permanently stopped, but in no case shall the disturbed area be left unprotected for more than three (3) days.
16. If the proposed erosion control plan does not work, the contractor should use the BMP's in the Florida Erosion and Sediment Control Inspecor's manual to implement a plan that will work and meet actual field conditions.
17. All waste generated on the project shall be disposed of by the contractor in areas provided by contractor.
18. Loaded haul trucks shall be covered with tarps.
19. Excess dirt shall be removed daily.
20. Fertilizer shall be applied as specified in the plans and specifications.
21. This project shall comply with all water quality standards. Permit required from SRWMD has been obtained.
22. All pollution controls shall be maintained at all times.
23. Straw bales shall be placed to remove sediment. Straw bales shall be replaced after three (3) months or when sediment reaches one-half (1/2) the height of the bales.
24. Qualified personnel shall inspect the area used for storage of stockpiles, the silt fence and straw bales, the location where vehicles enter or exit the site, and the disturbed areas that have not been finally stabilized, at least once every seven (7) calendar days and within 24 hours of the end of a storm of 2 inches or greater.
25. Sites that have been finally stabilized with sod or grassing shall be inspected at least once every week.



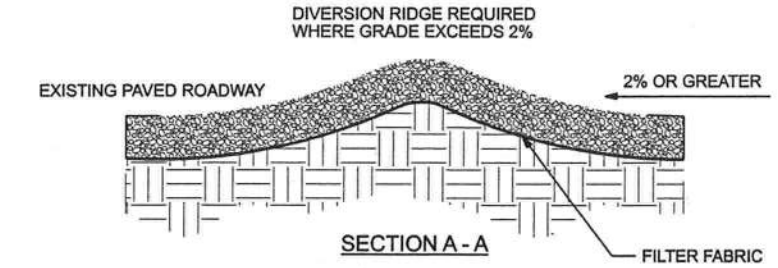
SECTION



TYPE IV SILT FENCE

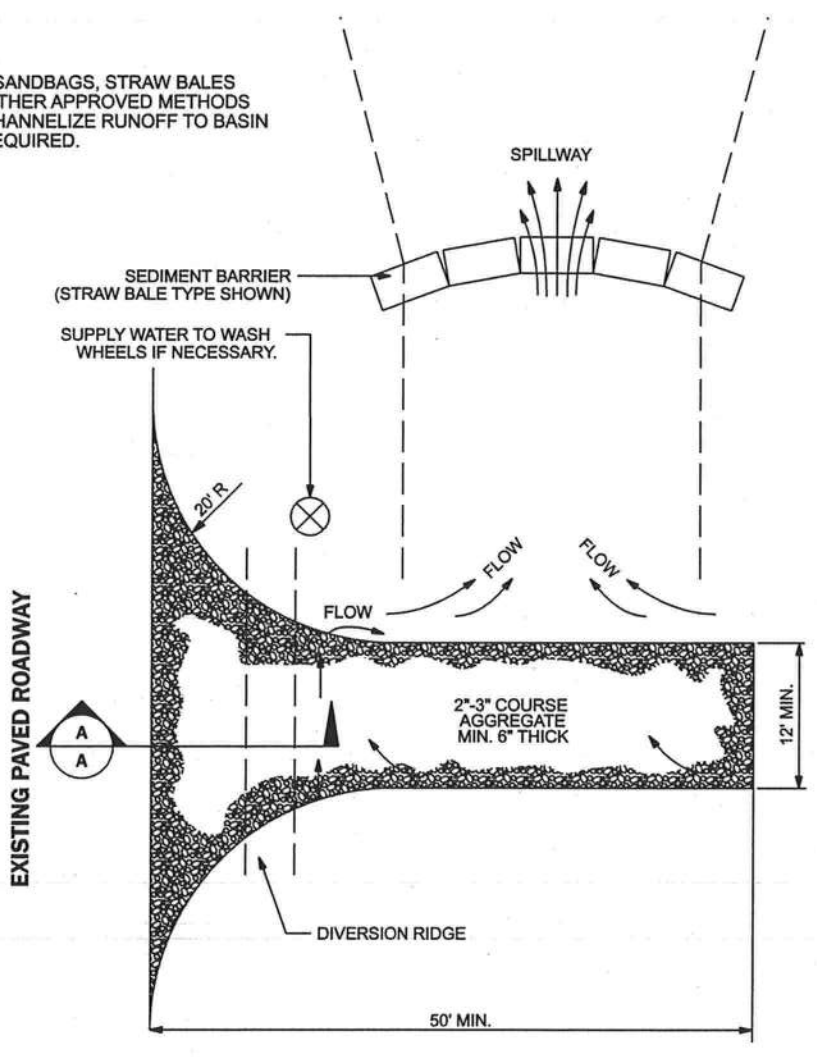
NTS

AS COMPARED TO TYPE III SILT FENCE, TYPE IV FENCE HAS GREATER STRENGTH AND HEIGHT WHICH REDUCES THE POSSIBILITY OF SEDIMENT AND WATER FROM OVERTOPPING THE FENCE. AS A RESULT, AVOID USING TYPE IV FENCE IN AREAS WHERE THE DETAINED WATER WOULD BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.



SECTION A - A

NOTE:
USE SANDBAGS, STRAW BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED.



PLAN

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

NTS

NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS ONTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

DATE	REVISION NOTES

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S & S # 29

EROSION CONTROL NOTES & DETAILS

3-16-2010

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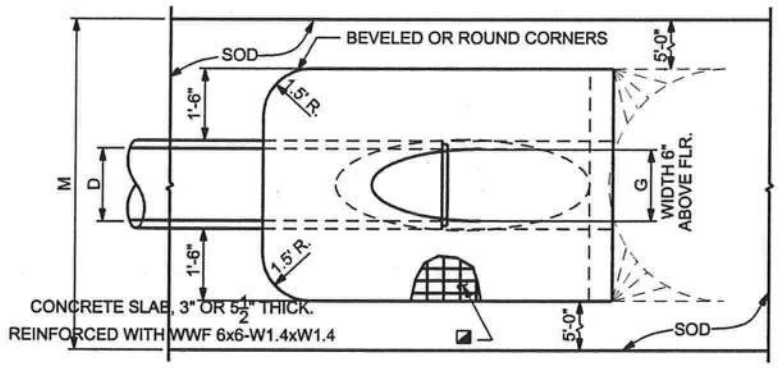
PROJECT NUMBER
PF09-029

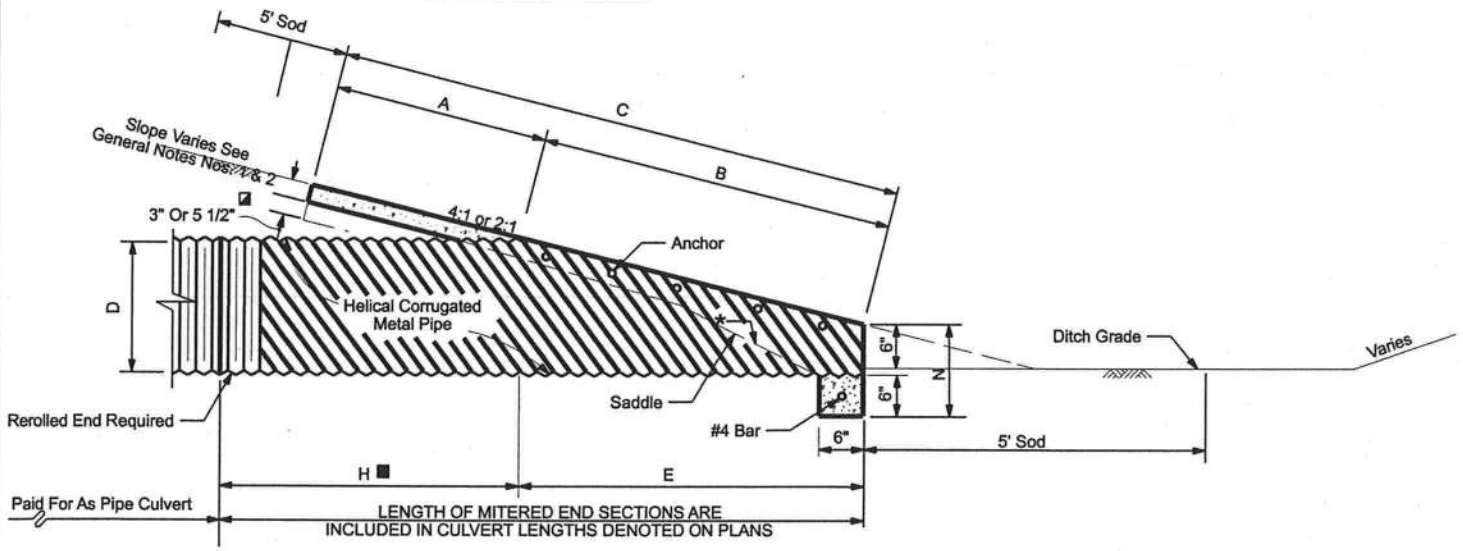
SHEET
6

DIMENSIONS AND QUANTITIES

4d SLOPE	D	X	A	B	C	E	F	G	H■	M SINGLE PIPE	N	CONC. (cy) SINGLE PIPE	CONC. (sy) SINGLE PIPE
	15"	2'-7"	2.5'	3.09'	5.59'	3.0'	7'	1.23'	4'	4.33'	1.04'	0.44	22
	18"	2'-10"	2.5'	4.12'	6.62'	4.0'	8'	1.41'	4'	4.58'	1.04'	0.49	24
	24"	3'-5"	2.5'	6.18'	8.68'	6.0'	10'	1.73'	4'	5.08'	1.04'	0.65	27



TOP VIEW - SINGLE PIPE



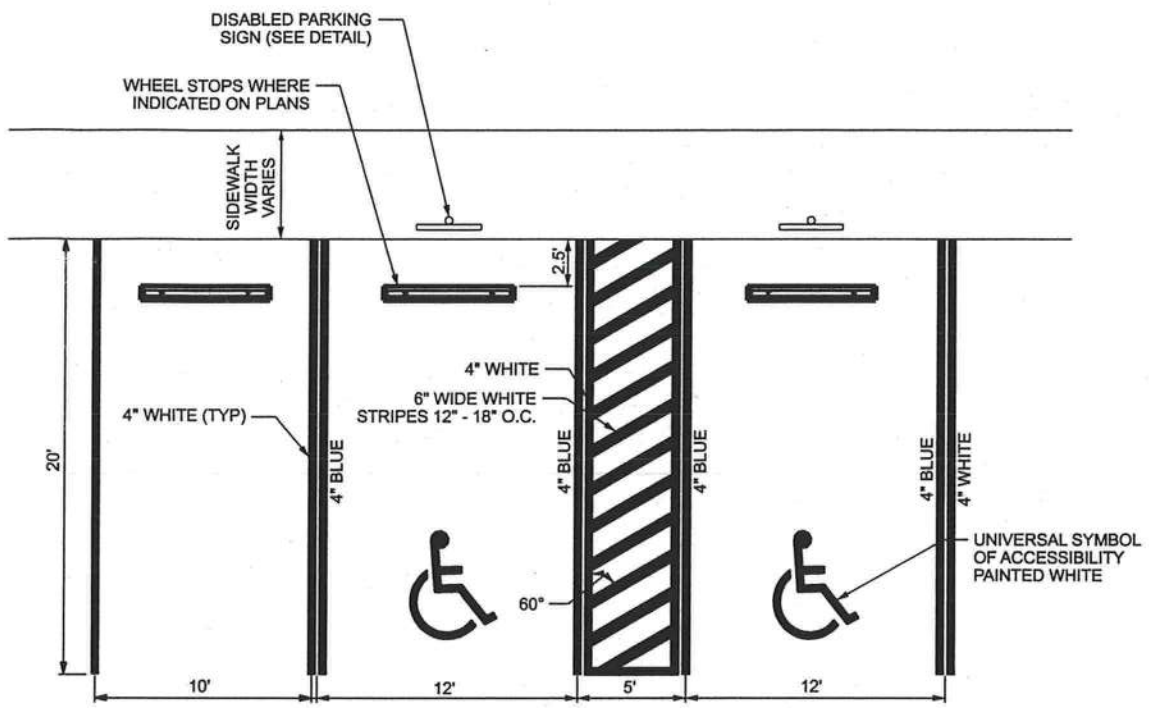
SECTION

■ Values shown for estimating pipe quantities and are for information only

◪ The reinforced concrete slab shall be constructed for all sizes of cross drain pipe and cast in place with Class I concrete. Slabs shall be 5 1/2" thick unless 3" thickness is called for in plans.

★ SLOPE: 4d MITER: TO C.L. PIPE FOR PIPES 18" AND SMALLER.
2d FOR PIPES 24" AND LARGER.
2d MITER: TO C.L. PIPE FOR PIPES 18" AND SMALLER.
1d FOR PIPES 24" AND LARGER.

CROSS DRAIN MITERED END SECTION
SINGLE ROUND CORRUGATED METAL PIPE
NTS



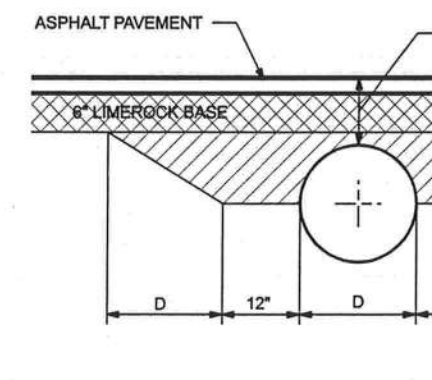
SIGN SHALL BE PLACED IN FRONT OF ALL DESIGNATED HANDICAPPED SPACES. SIGN HEIGHT SHALL BE 7' FROM PAVEMENT TO BOTTOM OF SIGN.

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 WHITE IN COLOR.

SEE SITE PLAN FOR ADDITIONAL PARKING STALL DIMENSIONS.

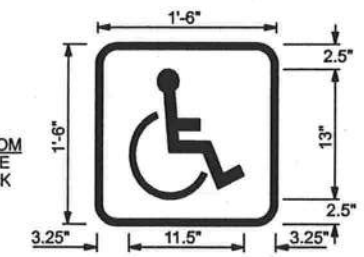
PARKING STALL DETAIL
NTS



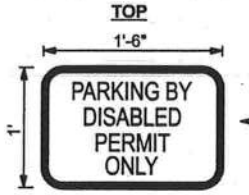
BACKFILL DETAIL FOR PIPES WITH LESS THAN 12" COVER
NTS

FTP-21-06
1'-6"x2'-6"
2" RADII 3/8" BORDER
1.5" SERIIES C LEGEND

COLOR	TOP	BOTTOM
BACKGROUND	BLUE	WHITE
LEGEND & BORDER	WHITE	BLACK



TOP



ALL LETTERS
1.5" SERIES C
1" SPACING BETWEEN LINES OF TEXT

BOTTOM

FTP-22-06
1'x6"
1" RADII 3/8" BORDER
1" SERIES C LEGEND
WHITE BACKGROUND
BLACK LEGEND & BORDER

DISABLED PARKING STALL SIGN DETAIL
NTS

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DATE	REVISION NOTES

S & S # 29

MISCELLANEOUS DETAILS

3-16-2010

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PROJECT NUMBER
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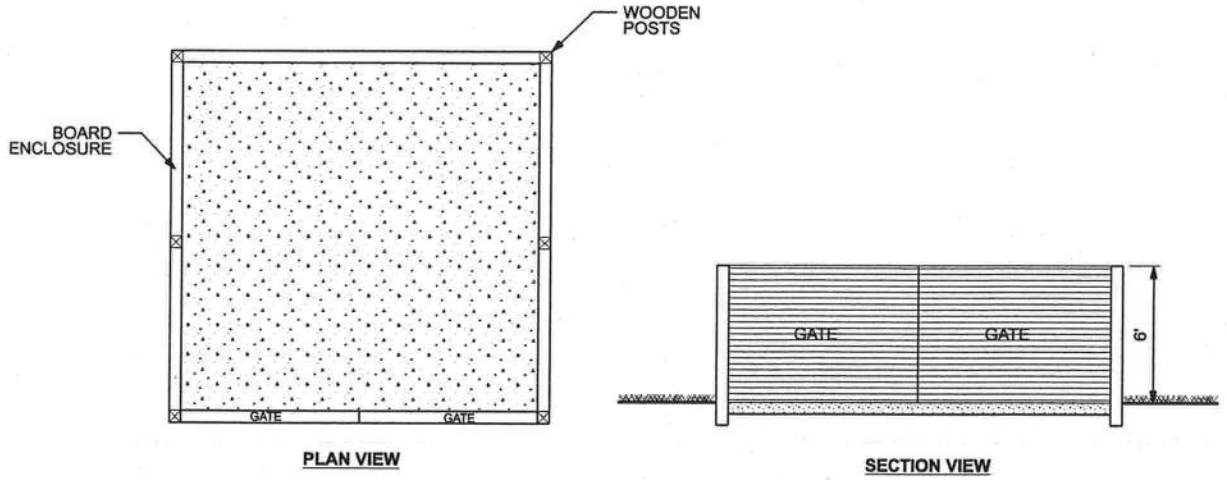
SHEET
7

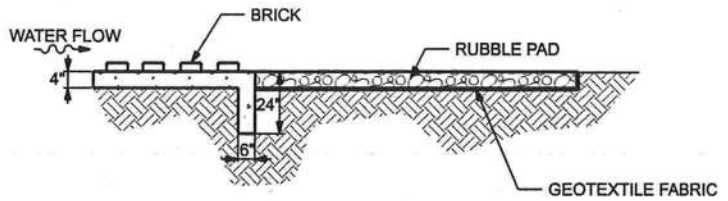


PROVIDE 1/8"-1/4" CONTRACTION JOINTS 10' CENTERS MAXIMUM.

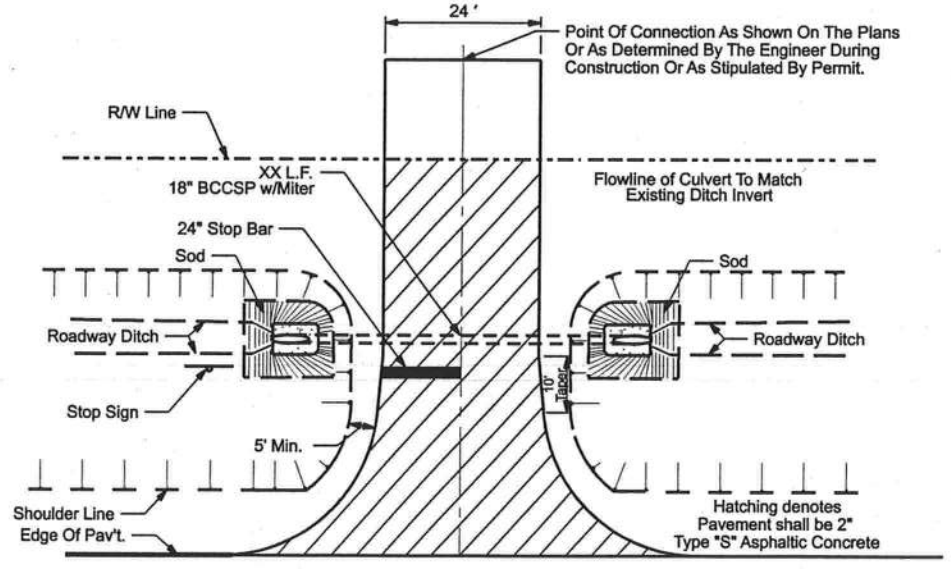
2500 PSI CONCRETE W/ FIBER MESH

DUMPSTER PAD DETAIL

NTS

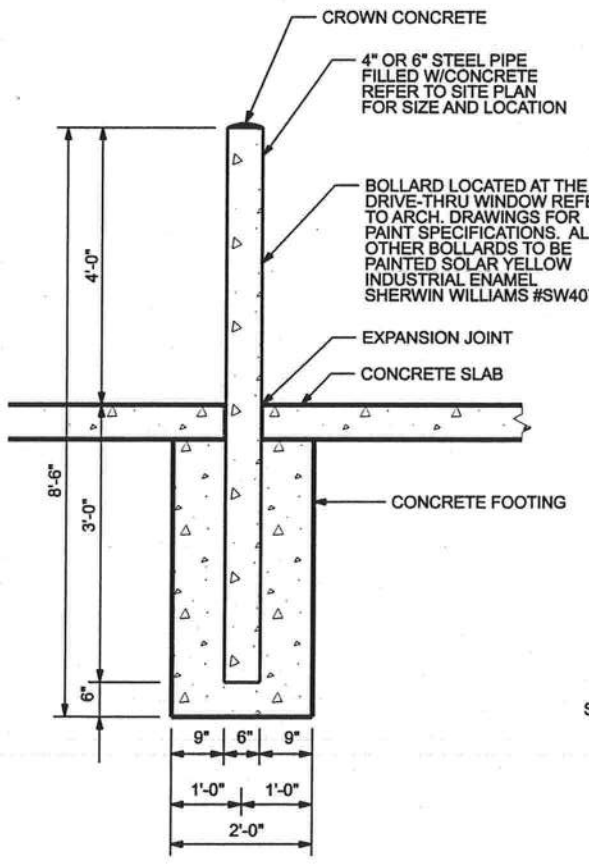


SECTION A-A



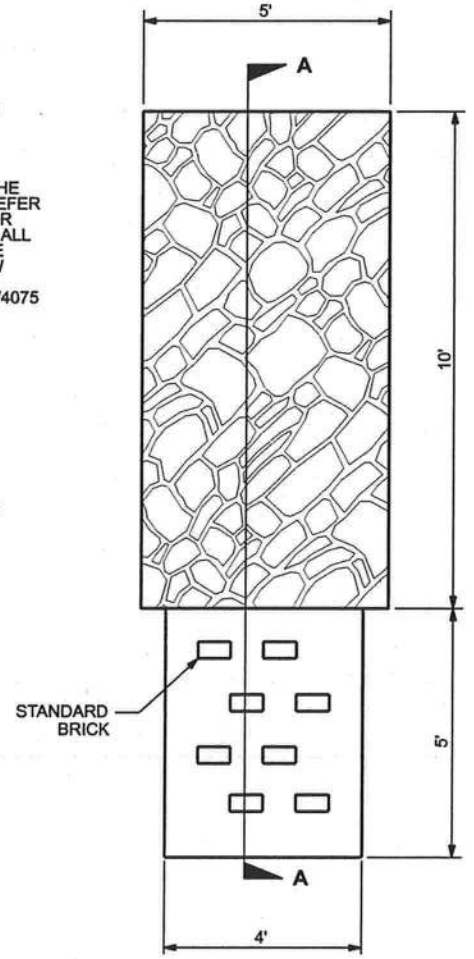
CONNECTION DETAIL

NTS



PIPE BOLLARD DETAIL

NTS



PLAN VIEW

ENERGY DISSIPATION & RUBBLE PADS

NTS

GTC Design Group, LLC.
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DATE	REVISION NOTES

S & S # 29

MISCELLANEOUS DETAILS

3-16-2010

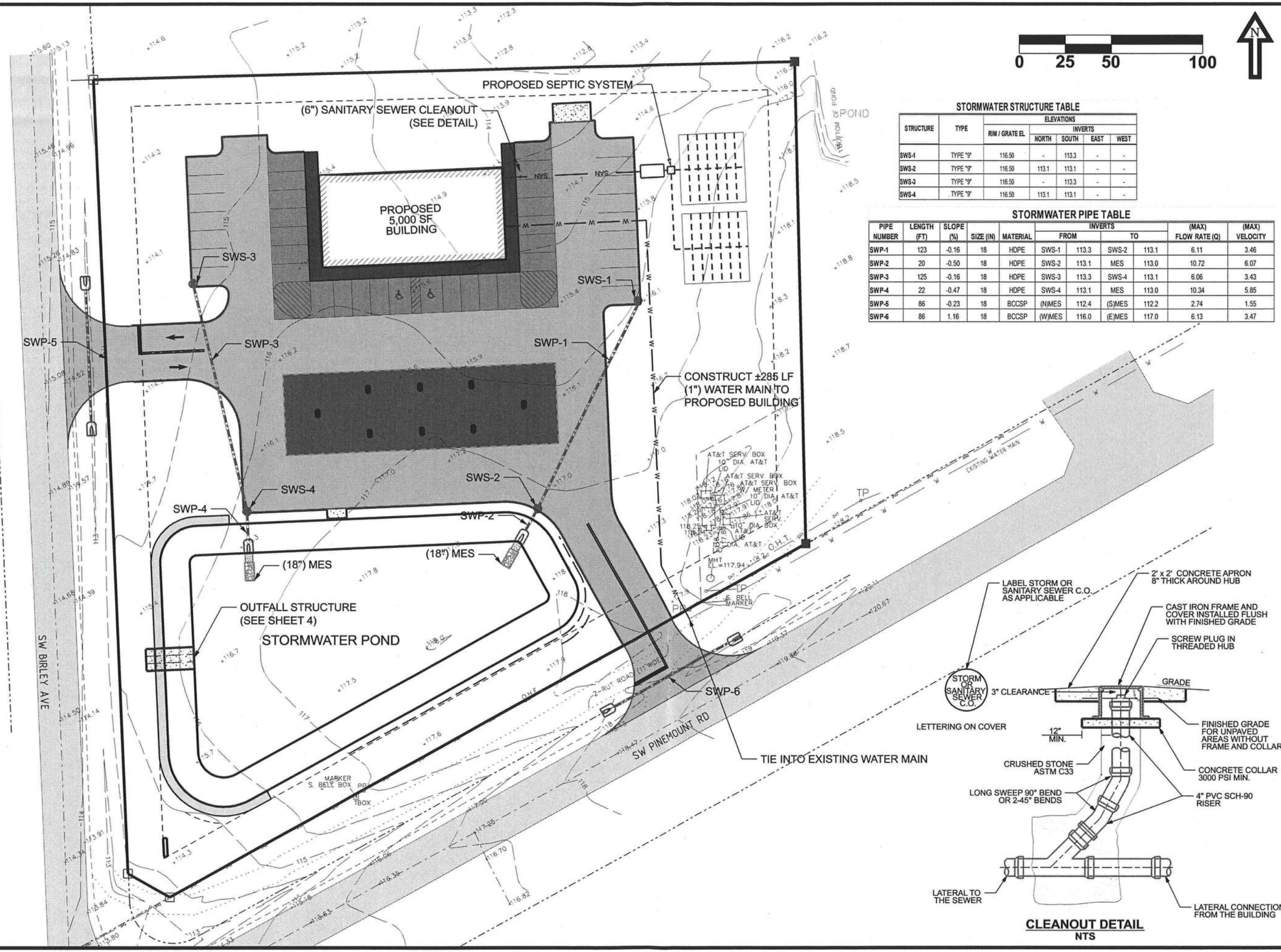
DRAWN BY	CHECKED BY
MC	CW

PROJECT NUMBER

PF09-029

SHEET

8



STORMWATER STRUCTURE TABLE

STRUCTURE	TYPE	ELEVATIONS				
		RIM / GRATE EL	INVERTS			
			NORTH	SOUTH	EAST	WEST
SWS-1	TYPE "S"	116.50	-	113.3	-	-
SWS-2	TYPE "S"	116.50	113.1	113.1	-	-
SWS-3	TYPE "S"	116.50	-	113.3	-	-
SWS-4	TYPE "S"	116.50	113.1	113.1	-	-

STORMWATER PIPE TABLE

PIPE NUMBER	LENGTH (FT)	SLOPE (%)	SIZE (IN)	MATERIAL	INVERTS				(MAX) FLOW RATE (Q)	(MAX) VELOCITY
					FROM		TO			
SWP-1	123	-0.16	18	HDPE	SWS-1	113.3	SWS-2	113.1	6.11	3.46
SWP-2	20	-0.50	18	HDPE	SWS-2	113.1	MES	113.0	10.72	6.07
SWP-3	125	-0.16	18	HDPE	SWS-3	113.3	SWS-4	113.1	6.06	3.43
SWP-4	22	-0.47	18	HDPE	SWS-4	113.1	MES	113.0	10.34	5.85
SWP-5	86	-0.23	18	BCCSP	(N)MES	112.4	(S)MES	112.2	2.74	1.55
SWP-6	86	1.16	18	BCCSP	(W)MES	116.0	(E)MES	117.0	6.13	3.47

CLEANOUT DETAIL
NTS

DATE	REVISION NOTES
2-3-10	PER COLUMBIA COUNTY

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UTILITY PLAN

3-16-2010

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