DATE 07/20/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027954

APPLICANT CHARLES PEELER PHONE 623-4448

ADDRESS 492 W DUVAL ST LAKE CITY FL 32055

OWNER LISA FORD PHONE 497-2311

ADDRESS 7975 SW US HIGHWAY 27 FT. WHITE FL 32038

CONTRACTOR CHARLES PEELER PHONE 623-4448

LOCATION OF PROPERTY 47S, TR ON SR 27, 1/2 MILE ON RIGHT

TYPE DEVELOPMENT COMM.PACKAGE STORE ESTIMATED COST OF CONSTRUCTION 100000.00

HEATED FLOOR AREA 1706.00 TOTAL AREA 1728.00 HEIGHT ___ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 5/12 FLOOR SLAB

LAND USE & ZONING FT. WHITE MAX. HEIGHT ___

Minimum Set Back Requirments: STREET-FRONT ___ REAR ___ SIDE ___

NO. EX.D.U. ___ FLOOD ZONE FW DEVELOPMENT PERMIT NO. ___

PARCEL ID 33-6S-16-14346-000 SUBDIVISION ___

LOT ___ BLOCK ___ PHASE ___ UNIT ___ TOTAL ACRES 0.53

FDOT ___ ___ RB0064655 X ___

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

FDOT 09-373 ___ WR N

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

COMMENTS: ___

Check # or Cash 6420

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 $ 500.00 CERTIFICATION FEE $ 8.64 SURCHARGE FEE $ 8.64

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

FLOOD DEVELOPMENT FEE $ ___ FLOOD ZONE FEE $ ___ CULVERT FEE $ ___ **TOTAL FEE** 517.28

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# 6420

Columbia County Building Permit Application

For Office Use Only Application # 0907-12 Date Received 7/9/09 By G Permit # 27954 –

Zoning Official _____ Date _____ Flood Zone _____ Land Use _____ Zoning _____

FEMA Map # _____ Elevation _____ MFE _____ River _____ Plans Examiner MR Date 7/14/09

Comments _____

☐ 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 _____ Comm. √list ☑ 911 Sheet

Septic Permit No. 09-0373 Fax 386 497-4866

Name Authorized Person Signing Permit LISA B FORD Phone 386 497-2311

Address P O Box 426 Ft White FLA 32038

Owners Name LISA B FORD Phone 386-497-2311

911 Address 7975 SW US Highway 27 Fort White FL 32038

Contractors Name Charles Reeves Const. Phone 623-4448

Address 492 W Duval St. Lake City, Fl. 32055

Fee Simple Owner Name & Address SAME

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Freeman Design

Mortgage Lenders Name & Address NA

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

Property ID Number 00-00-00-14346-000 Estimated Cost of Construction 100,000

Subdivision Name NA Lot NA Block NA Unit NA Phase NA

Driving Directions Hwy 47 south to Hwy 27 make Right going west ½ mile site on right.

Construction of ~~Commercial~~ Package Store Number of Existing Dwellings on Property 0

FDOT Total Acreage .53 Lot Size NA

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 10'

Actual Distance of Structure from Property Lines - Front 460 Side ~~25~~ 72 Side ~~54~~ 62 Rear ~~50~~ 35

Number of Stories 1 Heated Floor Area 1706 Total Floor Area 1,728 Roof Pitch 5/12

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.

Joe spoke to Charles 7/15 09

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 hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Lisa B. Ford
Owners Signature

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)

Contractor's License Number RB0064655
Columbia County
Competency Card Number 000278

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 9th **day of** July **20**09.

Personally known ✓ **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor)

SEAL:

GALE TEDDER
MY COMMISSION # DD 805686
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

Town of Fort White

Post Office Box 129 Fort White, Florida 32038-0129
Town Hall - (386) 497-2321 • Public Works - (386) 497-3345 • Fax (386) 497-4946
Email: townofftwhite@alltel.net • Web site: Townoffortwhitefl.com

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

FILE No. **08-010**

OWNER'S NAME: Lisa Ford

ADDRESS: P.O. Box 426 Fort White, FL 32038

PROPERTY DESCRIPTION: Block 17 @7973 SW U.S. Hwy 27 Parcel No.'s 14346-002;14339-005; 14388-000 CG

DEVELOPMENT: New Construction / Package Shack Drive Thru Liquor Store

You are hereby authorized to issue the appropriate permits

Please fax a copy of the Applicants permit to 386-497-4946

July 10, 2009
DATE

Janice E. Revels
LDR ADMINISTRATOR
Town of Fort White

Columbia County Property Appraiser

DB Last Updated: 4/27/2009

Parcel: 00-00-00-14346-000

2009 Preliminary Values

Tax Record | Property Card | Interactive GIS Map | Print

<< Prev Search Result: 12 of 35 Next >>

Owner & Property Info

Owner's Name	FORD LISA B		
Site Address	DORTCH		
Mailing Address	P O BOX 426 FORT WHITE, FL 32038		
Use Desc. (code)	MOBILE HOM (000200)		
Neighborhood	000016.00	**Tax District**	4
UD Codes	MKTA02	**Market Area**	02
Total Land Area	0.916 ACRES		
Description	FT WHITE: LOT OR BLOCK 17, TOWN OF FORT WHITE ORB 419-411 850-1812, DC 1133-960, PROB 1133-967 WD 1134-337 & ORB 1165-476		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$31,952.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (1)	$5,208.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$37,160.00

Just Value	$37,160.00
Class Value	$0.00
Assessed Value	$37,160.00
Exemptions	$0.00
Total Taxable Value	County: $37,160.00 | City: $37,160.00 Other: $37,160.00 | School: $37,160.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
1/10/2009	1165/476	WD	V	U	11	$100.00
10/11/2007	1134/337	WD	V	Q		$12,000.00
1/7/1999	872/2274	WD	V	Q		$5,600.00
11/20/1990	736/589	TD	V	U	01	$1,200.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	MOBILE HME (000800)	1980	Average (05)	672	672	$5,208.00
	Note: All S.F. calculations are based on exterior building dimensions.					

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
000200	MBL HM (MKT)	0039940.000 SF - (0000000.916AC)	1.00/1.00/1.00/1.00	$0.80	$31,952.00

Columbia County Property Appraiser DB Last Updated: 4/27/2009

<< Prev 12 of 35 Next >>

PER

Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

Lake City Maintenance Office
Post Office Box 1415
Lake City, Florida 32056-1415

STEPHANIE C. KOPELOUSOS
SECRETARY

FDOT
Lake City Maintenance
Permits Department
Post Office Box 1415
Lake City, Fl. 32056-1415

Date: 7-01-09

Crews Engineering Services, Inc.
Mr. Brett Crews, P. E.
P. O. Box 970
Lake City, Fl. 32063

RE: Approved FDOT Commercial Access

Project Name: The Package Shack
Permittee: Rocky Ford
FDOT Access Permit No: 2009-A-292-0010
Access Permit Category: B
State Section No: 29050
State Highway No. 20, (US 27)
Mile Post Location: Access 7.870 +-

Mr. Crews:

This cover letter acknowledges your request on behalf of your client, Rocky Ford, whose current permitted address is PO Box 39, Ft. White, Florida 32038; in making modifications to an existing concrete Drop Curb commercial access connection. As Mr. Ford's Engineer of Record, you are legally notified that permission is hereby granted by the Florida Department of Transportation in making the following related permitted access improvements and/or modifications according to the attached and approved State FDOT permit and plans and in accordance with the most current FDOT Specifications. You are further advised that this approved permit is valid for 365 days commencing on the date of approval with construction time restrictions as noted and required herein, (see below.)

PERMIT CONSTRUCTION TIME LIMIT NOTICE

You are also advised that once the legal permit activation has been made, that the Permittee shall have a total of only 30 continuous calendar days (not counting weekends or state holidays) in which to start and complete construction of the approved access. Note: Legal permit commencement is when the engineer or permittee has made legal contact to the Lake City Maintenance, Permits Office for the express purpose of activating said approved access permit.

TIME LIMIT NOTICE

Failure to complete said access permit construction within this time period shall void the approved permit at which time the permit shall be considered in non-compliance with the permit procedures and/or provisions. No permitted work/construction can commence without the legal activation notice and the required pre-construction meeting having taken place.

The Permittee and his/her contractors are hereby placed on notice that there shall be no Lane Closures allowed for State Highway No. 20 between the hours of 4:00 pm and 8:30 am.

Access Connection Details

As proposed the existing concrete drop curb driveway shall be removed in its entirety, including the existing old concrete drop curb section. The new permitted driveway construction shall be constructed as a FDOT Type "F" Radius Return Concrete–Asphalt Driveway Connection with the addition of all new 24 inch wide concrete drop curbing. As permitted, the new connection shall be constructed as a twenty-six (26') foot wide concrete radius return driveway, utilizing Type F Curb & Gutter and 24 inch wide concrete drop curb. The main concrete slab shall require a minimum of eight inches (8") depth of an approved FDOT Class I, Special Concrete Mix from a Certified FDOT Batch Plant. The new connection shall be required to have a fifty (50') foot right-in turn radius with the right-out movement requiring a minimum thirty-five (35') foot turning radii as shown on Plan Sheet No. FDOT2 of the approved plans, (see attached.)

The new permitted access point's subgrade, base and final surface course shall be constructed in accordance with the Plan Paving Design requirements. This connection shall require thermoplastic asphalt pavement markings and aboveground signs as permitted to the approved plan set.

Two A.D.A. Ramps with visual impaired Truncated Domes treatment shall be required. The newly proposed connection shall be considered a Class B, Commercial Access Connection and as such may not exceed the maximum total vehicular trips allowed under this approved category permit.

Driveway Subgrade Test Requirements

All areas of the proposed new connection that lies within the State FDOT Right-of-way property shall be constructed with concrete materials from an approved FDOT batch plant. The new proposed driveway's main travel slab area/ section shall match the design shown on plan sheet profile of Plan Sheet No. FDOT2.
A tested and passing minimum density of 98% with an LBR of 40 is required. Three density tests shall be required for this access point for each material lift course required.

Concrete Mix and Maximum Grade Slope Requirements

The required concrete driveway radii returns including but limited to Type F High Curb, required Index 300 Drop Curbing and both A.D.A. Ramp Sections shall be poured in one continuous monolithic section. The required 24 inch wide concrete drop curb must be reconstructed in a separate pour from the main driveway's concrete travel slab and when formed up cannot be on more than a 10% grade slope elevation commencing from the flow line of same. (See the special concrete information section below.) Refer to the Slope Profile Design Drawing for exact finished minimum and maximum grade slope requirements.

Special Notice to the Concrete Contractor:

When forming up the new concrete drop curb as well as the main concrete driveway slab, special attention must be taken to make sure that the back side of the 24 inch wide drop curb section is not over or under a maximum 10% grade slope.

Once the drop curb grade slope is checked for compliance and formed up, the new main driveway slab should be constructed (formed up) on the same grade slope as the backside of the drop curb. While both structures are to be poured at different times, special attention must be given to ensuring that neither the new concrete drop curbing's back section nor the main concrete slab are over or under the maximum 10% grade slope. This measurement must (from start to end) be measured starting at the stormwater flowline and setting the planned main slab grade slope on a straight grade slope line of 10% or less to a point that reaches one (1') foot into the front of any existing side walk area. At this point the driveway grade slope must be brought back into no more than a maximum 2% to flat grade to the back of the sidewalk area, (distance may vary.) Failure by the Permittee's concrete contractor to meet the 10% and 2% maximum grade slopes as stated herein, shall be reason to require the concrete connection to be removed and reconstructed in accordance with these state permit provisions. **Refer to the plan profile detail shown to Plan Sheet No. FDOT2 for additional specific new concrete grade slope requirements before starting/ordering any concrete form/frame-up or concrete pours of any kind!**

Be aware that all concrete materials utilized upon FDOT Right-of-Way shall be FDOT Class I, Special 3000 minimum p.s.i. Concrete tickets for each truck delivery being used on State R/W shall be provided to the on-site FDOT Permits Inspector and shall said ticket shall provide the concrete type, class, cure-out strength and total cubic yards contained to each delivery truck.

CONCRETE MIXES NOT ALLOWED

Note: Glass Fibered and P-Gravel concrete mixes shall not be allowed to be utilized under this approved access permit. All straight line Type F curb and gutter construction shall be formed up with metal forms only. Truncated Dome, A.D.A. Early Warning Patterns shall be constructed in accordance with FDOT's most current specifications and shall be constructed while the FDOT Inspector is on-site.

Pavement Striping and Signage Requirements

Per the approved permit and site plan the completed asphalt surface course section of the main entrance access shall be striped and marked in accordance with Plan Sheet No. FDOT2. The Right-In Travel Lane shall be stripped out as a fourteen (14') foot wide lane with the Right-Out Travel Lane being striped as a twelve (12') foot wide lane. All new Thermoplastic Striping shall conform to the State FDOT Indexes 17302, 17346 and /or 11860 and to the 711 Section of the most current edition of the FDOT Road & Bridge Construction Manual. Two six inch wide radiused white edge lines shall be required as shown on the approved plan sheet. Before the final Thermoplastic Markings are made, an approved FDOT Concrete Pre-Treatment shall be applied with all thermoplastic marking materials being made with "Certified Lead Free" Materials. A single Series 600, R1-1 aboveground 30 inch by 30 inch diameter STOP SIGN shall be required to be constructed at this access point per the approved site plan, note minimum 5 foot off-set required. All aboveground signs proposed to be constructed as part of this approved permit shall be constructed per approved site plan and in accordance with FDOT Index No. 17302, Sheet 1 of 1 and Index 11860 and Index 17302. All metal posts on FDOT shall be aluminum three inch minimum in diameter and shall be set at a minimum height of 7 feet from FDOT EOP elevation grade with Z-brackets per FDOT Index No. 11860. **Note: All aboveground signs that are required under this approved permit shall have been constructed in place and have received a passing inspection before final concrete pour or asphalt paving shall be allowed to commence.**

PERMIT REQUIREMENTS FOR ALL PRE-EXISTING ACCESS

Any pre-existing access along the frontage of this permitted property, (Three in all being shown) shall be removed in it's/their entirety with all new FDOT Type F Curb and Gutter, FDOT Standard Sidewalk (if required) and grass sod (Coastal Bermuda) constructed in their place to current FDOT Standards. These required removals shall be made in advance of any newly permitted driveway improvements

MINIMUM FDOT SPECIFICATIONS REQUIRED

All construction shall be to the most current F.D.O.T. Roadway and Traffic Design Standards and F.D.O.T. Standard Specifications for Road and Bridge Construction. All construction shall be per approved permit, cover letter, special provisions, and signed and sealed site plans and shall conform to all current F.D.O.T. Specifications and Inspections. No work can commence on F.D.O.T. right- of- way before the approved Maintenance of Traffic Plan is in place and working correctly. The FDOT Permits Staff shall have final say as to any conflicts of interest that may occur before, during or after the construction phase.

Subgrade and Base Density Testing for Asphalt Sections

The proposed earth subgrade base course shall be compacted to a passing maximum density of 98%. Limerock density shall meet or exceed 98% with a minimum of three (3) tests being made in a triangle formation. Proof of passing density shall be forwarded to the local FDOT Permits Inspector a minimum of 48 hours in advance of any planned paving or concrete placement commencement with a minimum of three tests required to be submitted. The Permittee, and/or his/her General Contractor shall contact the FDOT Permits Office for location for all tests sites. No concrete pours or final asphalt paving's can be started without proof of passing density, type, or class tests have been received to the FDOT Permits Office.

STATE & FEDERAL SPECIAL CURB RAMP A.D.A. / DETECTABLE WARNING TREATMENT

Per the approved permit once the correct concrete public sidewalk curb ramps have been constructed the permittee shall construct curb ramp (A.D.A) Detectable Warning Truncated Dome per FDOT Index No. 304, sheet 6 of 6 of the 2008 Design Standards Manual. Contact FDOT for additional information before placement is made.

Roadway, Ditch/Slope Area, Grass Sodding Requirements & R/W Restoration

All areas of the ditch line its slopes; radii and other areas that fall within the limits of the permitted access turning radii shall receive a complete coverage of Certified Coastal Bermuda Grass Sod. All other areas outside this particular area shall require a complete coverage of hulled Bermuda grass and millet seed with copious amounts of Straw Mulch covering all. All areas upon FDOT R/W shall be made clean and acceptable.

Notice of Final Approved Plans Interpretation

The Local Permits Office having jurisdiction over the approved permit shall have final determination over all approved plan & construction concepts and method details that could affect the FDOT Right-of-Way Property.

Notice of Pre-Construction Meeting (MANDATORY REQUIREMENT)

The Permittee and his/her construction supervisor(s) shall meet a minimum of 48 hours in advance of activation of this permit, so that all parties will have an opportunity to read in detail this attached cover letter, review its plans and be provided the opportunity to ask any questions he or she may have in regards to this permit. It shall be the Permittee's responsibility to contact the local Permits Office no later than 48 hours in advance of the planned activation/construction commencement date, so that this provision can be completed satisfactory to all parties involved.

BE AWARE: THIS IS A MANDATORY PERMIT PROVISION!! FAILURE TO COMPLETE THIS SPECIAL PROVISION SHALL BE REASON FOR SUSPENSION OF THE APPROVED PERMIT!

Grass Sod Requirement Details

All slopes, shoulders, ditches, and other disturbed areas within the limits of the proposed paved turnout radii, shall be completely grass sodded with Certified Coastal Bermuda grass. **Note: all grass shall be installed, watered and inspected for evidence of growth, before any paving can commence under this permit. Failure to complete this provision can be reason for temporary suspension of this permit. NOTICE: ALL R/W RESTORATION AND REQUIRED GRASS SOD SHALL BE PLACED DOWN AND INSPECTED BEFORE ANY ASPHALT/CONCRETE PAVING CAN COMMENCE UNDER THIS APPROVED PERMIT.**

Save Harmless Clause

Please refer to the approved permit, cover Letter and site plan drawings and if attached addendum for Access type, location and construction details. **Refer to this legal cover letter, the approved connection permit for additional General and Special Provisions that could alter construction design plans other than those shown on the attached site plan. A copy of the approved site plan and the permit itself shall be on site at all times.** Construction on the Department of Transportation's Right-of-Way shall meet all of the Department's Standard Construction Specifications and Safety Criteria. This Permit is issued with the understanding that a Department approved contractor shall perform all construction in accordance with F.D.O.T. Specifications and that all costs of construction shall be borne by the applicant.

It is also understood and agreed that the rights and privileges herein set out, are granted only to the extent of the State's Right, Title and Interest in the land to be entered upon and used by the holder, and the holder will at all times, assume all risk of and indemnify, defend, and save harmless the State of Florida and the Department from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercise by said holder of the aforesaid rights and privileges.

We would request your Engineer or Representative contact our Permits Coordinator, Mr. Neil E. Miles, at 710 NW Lake Jeffery Road, Lake City, Florida, 32055-2621, Phone Number (386) 961-7193 or if no answer call 961-7180, a minimum of **48** hours prior to your planned legal permit activation/commencement date. This is so we will have necessary time to assign a permits field inspector to your permitted project.

Sincerely,

Neil E. Miles
Access Permits Coordinator

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

Short Desc:	New Prj	**Description:**	Package Shack
Owner:	Lisa Ford		
Address1:	US 27	**City:**	Fort White
Address2:		**State:**	FL
		Zip:	32038
Type:	Retail	**Class:**	New Finished building
Jurisdiction:	LAKE CITY, COLUMBIA COUNTY, FL (221200)		
Conditioned Area:	1706 SF	**Conditioned & UnConditioned Area:**	1706 SF
No of Stories:	1	**Area entered from Plans**	1728 SF
Permit No:	0 27954	**Max Tonnage**	3.5
		If different, write in:	

221000

Contractor: Charles Peeler

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost (in $)	2,403.0	2,524.0	**PASSED**
LIGHTING CONTROLS			**PASSES**
EXTERNAL LIGHTING			**PASSES**
HVAC SYSTEM			**PASSES**
PLANT			**None Entered**
WATER HEATING SYSTEMS			**PASSES**
PIPING SYSTEMS			**None Entered**
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: William H. Freeman

Date: 7/3/09

Building Official: _____

Date: _____

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

Owner Agent: Rick Gayheart

Date: _____

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

Architect: _____ Reg No: _____

Electrical Designer: William H. Freeman Reg No: PE #56001

Lighting Designer: William H. Freeman Reg No: PE #56001

Mechanical Designer: William H. Freeman Reg No: PE #56001

Plumbing Designer: William H. Freeman Reg No: _____

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

Project: New Prj
Title: Package Shack
Type: Retail
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Building End Uses

	1) Proposed	2) Baseline
Total	*165.40*	*200.70*
	$2,403	*$2,969*
ELECTRICITY(MBtu/kWh/$)	165.40	200.70
	48451	58800
	$2,403	*$2,969*
AREA LIGHTS	8.10	49.30
	2377	14439
	$118	*$729*
MISC EQUIPMT	21.90	21.90
	6404	6404
	$318	*$323*
PUMPS & MISC	0.10	0.10
	38	39
	$2	*$2*
SPACE COOL	34.10	57.30
	9999	16793
	$496	*$848*
SPACE HEAT	4.90	5.60
	1424	1627
	$71	*$82*
VENT FANS	96.30	66.50
	28209	19498
	$1,399	*$985*

Passing requires Proposed Building cost to be at most 85% of Baseline cost. This Proposed Building is at 80.9%

PASSES

Project: New Prj
Title: Package Shack
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	Main entries	Yes	30.00	48.0	1,440	300
Ext Light 2	Other (doors) than main entries	Yes	20.00	3.0	60	60

Tradable Surfaces: 360 (W) Allowance for Tradable: 1500 (W) **PASSES**
All External Lighting: 360 (W)

Project: New Prj
Title: Package Shack
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
Pr0Zo1Sp1	6	Toilet and Washroom	56	1	1	**PASSES**
Pr0Zo1Sp2	5	Corridor	48	1	1	**PASSES**
Pr0Zo1Sp3	25,001	Sales Area	1,440	1	1	**PASSES**
Pr0Zo1Sp4	3	Storage & Warehouse - Bulky Active Storage	132	1	1	**PASSES**
Pr0Zo1Sp5	1	Electrical Mechanical Equipment Room - General	30	1	1	**PASSES**

PASSES

Project: New Prj
Title: Package Shack
Type: Retail
(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

System Report Compliance

Pr0Sy1 **System 1** **Constant Volume Air Cooled Split System < 65000 Btu/hr** **No. of Units 2**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled Split System < 65000 Btu/h Cooling Capacity		13.00	12.00	8.00		PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) Split System < 65000 Btu/h Cooling Capacity		7.40	7.40			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.90			PASSES
Air Handling System - Return	Air Handler (Return) - Constant Volume		0.80	0.90			PASSES

PASSES

Plant Compliance

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

None

Project: New Prj
Title: Package Shack
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	Electric water heater	<= 12 [kW]	0.92	0.89			PASSES

PASSES

Piping System Compliance

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

None

Project: New Prj
Title: Package Shack
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	☐

EnergyGauge Summit® v3.20

INPUT DATA REPORT

Project Information

Project Name: New Prj
Project Title: Package Shack
Address: US 27

State: FL
Zip: 32038

Owner: Rick Gayheart

Orientation: North
Building Type: Retail
Building Classification: New Finished building

No.of Stories: 1
GrossArea: 1706 SF

Zones

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]	
1	Pr0Zo1	Zone 1	CONDITIONED	1706.0	1	1706.0	☐

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multiplier	Total Area [sf]	Total Volume [cf]

In Zone:	**Pr0Zo1**									
1	Pr0Zo1Sp1	Zo0Sp1	Toilet and Washroom	8.00	7.00	10.00	1	56.0	560.0	☐
2	Pr0Zo1Sp2	Zo0Sp2	Corridor	12.00	4.00	10.00	1	48.0	480.0	☐
3	Pr0Zo1Sp3	Zo0Sp3	Sales Area	48.00	30.00	10.00	1	1440.0	14400.0	☐
4	Pr0Zo1Sp4	Zo0Sp4	Storage & Warehouse - Bulky Active Storage	12.00	11.00	10.00	1	132.0	1320.0	☐
5	Pr0Zo1Sp5	Zo0Sp5	Electrical Mechanical Equipment Room - General	10.00	3.00	10.00	1	30.0	300.0	☐

Lighting

No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No.of Ctrl pts	
In Zone: Pr0Zo1								
In Space: Pr0Zo1Sp1								
1	Incandescent	General Lighting	1	40	40	Manual On/Off	1	☐
In Space: Pr0Zo1Sp2								
1	Compact Fluorescent	General Lighting	1	40	40	Manual On/Off	1	☐
In Space: Pr0Zo1Sp3								
1	Compact Fluorescent	General Lighting	7	40	280	Manual On/Off	1	☐
2	Compact Fluorescent	Display/Accent Lighting	2	100	200	Manual On/Off	1	☐
In Space: Pr0Zo1Sp4								
1	Compact Fluorescent	General Lighting	1	40	40	Manual On/Off	1	☐
In Space: Pr0Zo1Sp5								
1	Incandescent	General Lighting	1	40	40	Manual On/Off	1	☐

Walls

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]
In Zone:	**Pr0Zo1**										

1	North Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	48.00	10.00	1	480.0	North	0.2642	9.696	62.72	3.8
2	West Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	36.00	10.00	1	360.0	West	0.2642	9.696	62.72	3.8
3	East Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	36.00	10.00	1	360.0	East	0.2642	9.696	62.72	3.8
4	Pr0Zo1Wa4	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	48.00	10.00	1	480.0	South	0.2642	9.696	62.72	3.8

Windows

No	Description	Type	Shaded	U [Btu/hr sf F]	SHGC	Vis.Tra	W [ft]	H (Effec) [ft]	Multiplier	Total Area [sf]
In Zone: Pr0Zo1										
In Wall: Pr0Zo1Wa3										
1	Pr0Zo1Wa3Wi1	User Defined	No	0.6000	0.59	0.56	4.00	3.00	1	12.0
In Wall: Pr0Zo1Wa4										
1	Pr0Zo1Wa4Wi1	User Defined	No	0.6000	0.59	0.56	10.00	5.00	2	100.0

Doors

No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multiplier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. [lb/cf]	Heat Cap. [Btu/sf. F]	R-Value [h.sf.F/Btu]
In Zone: Pr0Zo1											
In Wall: Pr0Zo1Wa1											
1	Pr0Zo1Wa1Dr1	Solid core flush (2.25)	No	3.00	7.00	1	21.0	0.3504	0.00	0.00	2.85
In Wall: Pr0Zo1Wa4											
1	Pr0Zo1Wa4Dr1	Solid core flush (2.25)	No	6.00	7.00	1	42.0	0.3504	0.00	0.00	2.85

Roofs

No	Description	Type	Width [ft]	H (Effec) [ft]	Multiplier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone: Pr0Zo1												
1	Pr0Zo1Rf1	Shngl/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	48.00	36.00	1	1728.0	0.00	0.0320	1.50	8.22	31.2	☐

Skylights

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

Floors

No	Description	Type	Width [ft]	H (Effec) [ft]	Multiplier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone: Pr0Zo1											
1	Pr0Zo1Fl1	1 ft. soil, concrete floor, carpet and rubber pad	48.00	36.00	1	1728.0	0.2681	34.00	113.33	3.73	☐

Systems

Pr0Sy1 **System 1** **Constant Volume Air Cooled Split System < 65000 Btu/hr** **No. Of Units 2**

Component	Category	Capacity	Efficiency	IPLV	
1	Cooling System	42000.00	13.00	8.00	☐

2	Heating System	15700.00	7.40	☐
3	Air Handling System -Supply	1200.00	0.80	☐
4	Air Handling System - Return	1200.00	0.80	☐

Plant

Equipment	Category	Size	Inst.No	Eff.	IPLV	
						☐

Water Heaters

	W-Heater Description	Capacity	Cap.Unit	I/P Rt.	Efficiency		Loss	
1	Electric water heater	30	[Gal]	[kW]	0.9200	[Ef]	[Btu/h]	☐

Ext-Lighting

	Description	Category	No. of Luminaires	Watts per Luminaire	Area/Len/No. of units [sf/ft/No]	Control Type	Wattage [W]	
1	Ext Light 1	Main entries	3	100	48.00	Photo Sensor control	300.00	☐
2	Ext Light 2	Other (doors) than main entries	1	60	3.00	Photo Sensor control	60.00	☐

Piping

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

Fenestration Used

Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SHGC	VLT	
ASHULBlockAll Frm	User Defined	1	0.6000	0.5900	0.5600	☐

Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]	
187	Matl187	GYP OR PLAS BOARD,1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000	☐
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300					☐
265	Matl265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000	☐
48	Matl48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	☐
105	Matl105	CONC BLK HW, 8IN, HOLLOW	No	1.1002	0.6667	0.6060	69.00	0.2000	☐
269	Matl269	.75" ISO BTWN24" oc	No	2.2321	0.0625	0.0280	4.19	0.3000	☐
12	Matl12	3 in. Insulation	No	10.0000	0.2500	0.0250	2.00	0.2000	☐
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	☐
81	Matl81	ASPHALT-ROOFING, ROLL	Yes	0.1500					☐
244	Matl244	PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	☐

Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1014	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	No	No	0.26	9.70	62.72	3.8	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	105	CONC BLK HW, 8IN, HOLLOW	0.6667	0.000	☐
2	269	.75" ISO BTWN24" oc	0.0625	0.000	☐
3	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1038	Shngl/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	No	No	0.03	1.50	8.22	31.2	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	81	ASPHALT-ROOFING, ROLL		0.000	☐
2	244	PLYWOOD, 1/2IN	0.0417	0.000	☐
3	12	3 in. Insulation	0.2500	0.000	☐
4	23	6 in. Insulation	0.5000	0.000	☐
5	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1057	1 ft. soil, concrete floor, carpet and rubber pad	No	No	0.27	34.00	113.33	3.7	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	265	Soil, 1 ft	1.0000	0.000	☐
2	48	6 in. Heavyweight concrete	0.5000	0.000	☐
3	178	CARPET W/RUBBER PAD		0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1058	Solid core flush (2.25)	No	Yes	0.35			2.9	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	279	Solid core flush (2.25")		0.000	☐

Profiles

0	0	No Classification	No Classification	
	201	People	2	Fractional Null Schedule
	202	Lighting	2	Fractional Null Schedule
	203	Infiltration	2	Fractional Null Schedule
	204	Equipment	2	Fractional Null Schedule
	205	Sources	2	Fractional Null Schedule
	206	HeatTemp	202	Set Point 55
	207	CoolTemp	201	Set Point 99
	208	Hot Water Schedule	2	Fractional Null Schedule
	1,001	Heating Schedule	1	ON-OFF Null Schedule
	1,002	Cooling Schedule	1	ON-OFF Null Schedule
	1,003	Fan Operation Sche	1	ON-OFF Null Schedule
597	597	ACM-Retail	ACM Retail	
	201	People	615	ACM Retail People
	202	Lighting	603	ACM Retail Lights
	203	Infiltration	612	ACM Retail Infiltration
	204	Equipment	606	ACM Retail Equipment
	205	Sources	2	Fractional Null Schedule
	206	HeatTemp	597	ACM Retail Heating
	207	CoolTemp	600	ACM Retail Cooling
	208	Hot Water Schedule	618	ACM Retail Hot Water
	1,001	Heating Schedule	410	Always ON
	1,002	Cooling Schedule	410	Always ON
	1,003	Fan Operation Sche	609	ACM Retail Fans

Schedules

1	1		On/Off	ON-OFF Null Schedule					
Hourly Sch. for: 12/31/1989	Monday ShHr1	Tuesday ShHr1	Wednesday ShHr1	Thursday ShHr1	Friday ShHr1	Saturday ShHr1	Sunday ShHr1	Holiday ShHr1	
2	2		Fraction	Fractional Null Schedule					
Hourly Sch. for: 12/31/1989	Monday ShHr2	Tuesday ShHr2	Wednesday ShHr2	Thursday ShHr2	Friday ShHr2	Saturday ShHr2	Sunday ShHr2	Holiday ShHr2	
44	44		Absolute	SetPt78					
Hourly Sch. for: 12/31/1989	Monday ShHr179	Tuesday ShHr179	Wednesday ShHr179	Thursday ShHr179	Friday ShHr179	Saturday ShHr179	Sunday ShHr179	Holiday ShHr179	
45	45		Absolute	Set Point 70					
Hourly Sch. for: 12/31/1989	Monday ShHr180	Tuesday ShHr180	Wednesday ShHr180	Thursday ShHr180	Friday ShHr180	Saturday ShHr180	Sunday ShHr180	Holiday ShHr180	
201	201		Absolute	Set Point 99					
Hourly Sch. for: 12/31/1989	Monday ShHr201	Tuesday ShHr201	Wednesday ShHr201	Thursday ShHr201	Friday ShHr201	Saturday ShHr201	Sunday ShHr201	Holiday ShHr201	
202	202		Absolute	Set Point 55					
Hourly Sch. for: 12/31/1989	Monday ShHr202	Tuesday ShHr202	Wednesday ShHr202	Thursday ShHr202	Friday ShHr202	Saturday ShHr202	Sunday ShHr202	Holiday ShHr202	

410	410		On/Off	Always ON				
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr410	ShHr410	ShHr410	ShHr410	ShHr410	ShHr410	ShHr410	ShHr410
597	597		Absolute	ACM Retail Heating				
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr597	ShHr597	ShHr597	ShHr597	ShHr597	ShHr598	ShHr599	ShHr599
600	600		Absolute	ACM Retail Cooling				
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr600	ShHr600	ShHr600	ShHr600	ShHr600	ShHr601	ShHr602	ShHr602
603	603		Fraction	ACM Retail Lights				
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr603	ShHr603	ShHr603	ShHr603	ShHr603	ShHr604	ShHr605	ShHr605
606	606		Fraction	ACM Retail Equipment				
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr606	ShHr606	ShHr606	ShHr606	ShHr606	ShHr607	ShHr608	ShHr608
609	609		On/Off	ACM Retail Fans				
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr609	ShHr609	ShHr609	ShHr609	ShHr609	ShHr610	ShHr611	ShHr611
612	612		Fraction	ACM Retail Infiltration				
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr612	ShHr612	ShHr612	ShHr612	ShHr612	ShHr613	ShHr614	ShHr614

615 615		Fraction	ACM Retail People					
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr615	ShHr615	ShHr615	ShHr615	ShHr615	ShHr616	ShHr617	ShHr617
618 618		Fraction	ACM Retail Hot Water					
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr618	ShHr618	ShHr618	ShHr618	ShHr618	ShHr619	ShHr620	ShHr620
1,001 1,001		Absolute	Absolute null schedule					
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr10001	ShHr10001	ShHr10001	ShHr10001	ShHr10001	ShHr10001	ShHr10001	ShHr10001
1,002 1,002		Absolute	Absolute null schedule					
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr10002	ShHr10002	ShHr10002	ShHr10002	ShHr10002	ShHr10002	ShHr10002	ShHr10002
1,003 1,003		Absolute	Absolute null schedule					
Hourly Sch. for:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Holiday
12/31/1989	ShHr10003	ShHr10003	ShHr10003	ShHr10003	ShHr10003	ShHr10003	ShHr10003	ShHr10003

Hourly Schedules

Id	Acronym	Type	Values				Hours 1 thru 8 Hours 9 - 16 Hours 17 - 24			
2	ShHr2	Fraction	0	0	0	0	0	0	0	0
Fraction Null Schedule			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
179	ShHr179	Absolute	78	78	78	78	78	78	78	78
Set point 78 F All Day			78	78	78	78	78	78	78	78
			78	78	78	78	78	78	78	78
180	ShHr180	Absolute	70	70	70	70	70	70	70	70
Set Point 70 F All Day			70	70	70	70	70	70	70	70
			70	70	70	70	70	70	70	70
1	ShHr1	On/Off	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
On-Off Null Schedule			OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
			OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
202	ShHr202	Absolute	45	45	45	45	45	45	45	45
Set Point 55			45	45	45	45	45	45	45	45
			45	45	45	45	45	45	45	45
201	ShHr201	Absolute	99	99	99	99	99	99	99	99
Set point 99			99	99	99	99	99	99	99	99
			99	99	99	99	99	99	99	99
3	ShHr3	Absolute	0	0	0	0	0	0	0	0
Absolute Null Schedule			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
410	ShHr410	On/Off	ON	ON	ON	ON	ON	ON	ON	ON
Always On schedule			ON	ON	ON	ON	ON	ON	ON	ON
			ON	ON	ON	ON	ON	ON	ON	ON
411	ShHr411	On/Off	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Always Off Schedule			OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
			OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
413	ShHr413	Absolute	0.03804	0.03804	0.03804	0.03804	0.03804	0.0686	0.0686	0.0686
Florida Avg. Week Day Winter			0.0686	0.0686	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
			0.03804	0.0686	0.0686	0.0686	0.0686	0.0686	0.03804	0.03804

415 ShHr415 Absolute	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
Florida Avg. Week End Winter	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
412 ShHr412 Absolute	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
Florida Avg. Week Day Summ	0.03804	0.03804	0.03804	0.0686	0.0686	0.0686	0.0686	0.0686
	0.0686	0.0686	0.0686	0.0686	0.0686	0.03804	0.03804	0.03804
414 ShHr414 Absolute	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
Florida Avg. Week End Summ	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
#### ShHr100C Absolute	0	0	0	0	0	0	0	0
Absolute Null Schedule	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
#### ShHr100C Absolute	0	0	0	0	0	0	0	0
Absolute Null Schedule	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
#### ShHr100C Absolute	0	0	0	0	0	0	0	0
Absolute Null Schedule	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
615 ShHr615 Fraction	0.05	0.05	0.05	0.05	0.05	0.05	0.15	0.25
ACM Retail People Weekday	0.4	0.55	0.75	0.75	0.75	0.75	0.75	0.75
	0.75	0.75	0.65	0.5	0.35	0.2	0.1	0.05
616 ShHr616 Fraction	0.05	0.05	0.05	0.05	0.05	0.05	0.15	0.25
ACM Retail People Saturday	0.4	0.55	0.75	0.75	0.75	0.75	0.75	0.75
	0.75	0.75	0.65	0.5	0.35	0.2	0.1	0.05
617 ShHr617 Fraction	0.05	0.05	0.05	0.05	0.05	0.05	0.15	0.25
ACM Retail People Sunday	0.4	0.55	0.75	0.75	0.75	0.75	0.75	0.75
	0.75	0.75	0.65	0.5	0.35	0.2	0.1	0.05
603 ShHr603 Fraction	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.65
ACM Retail Lights Weekday	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	0.9	0.9	0.9	0.8	0.65	0.5	0.35	0.25
604 ShHr604 Fraction	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.65
ACM Retail Lights Saturday	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	0.9	0.9	0.9	0.8	0.65	0.5	0.35	0.25
605 ShHr605 Fraction	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.65
ACM Retail Lights Sunday	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	0.9	0.9	0.9	0.8	0.65	0.5	0.35	0.25
612 ShHr612 Fraction	1	1	1	1	1	1	0	0
ACM Retail Infil Weekday	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1

613 ShHr613 Fraction	1	1	1	1	1	1	0	0
ACM Retail Infil Saturday	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1
614 ShHr614 Fraction	1	1	1	1	1	1	0	0
ACM Retail Infil Sunday	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	1
606 ShHr606 Fraction	0.2	0.2	0.2	0.2	0.2	0.25	0.3	0.45
ACM Retail Equip Weekday	0.6	0.75	0.75	0.75	0.7	0.75	0.75	0.75
	0.75	0.75	0.65	0.55	0.45	0.35	0.25	0.2
607 ShHr607 Fraction	0.2	0.2	0.2	0.2	0.2	0.25	0.3	0.45
ACM Retail Equip Saturday	0.6	0.75	0.75	0.75	0.7	0.75	0.75	0.75
	0.75	0.75	0.65	0.55	0.45	0.35	0.25	0.2
608 ShHr608 Fraction	0.2	0.2	0.2	0.2	0.2	0.25	0.3	0.45
ACM Retail Equip Sunday	0.6	0.75	0.75	0.75	0.7	0.75	0.75	0.75
	0.75	0.75	0.65	0.55	0.45	0.35	0.25	0.2
597 ShHr597 Absolute	60	60	60	60	60	63	65	68
ACM Retail Heating Weekday	70	70	70	70	70	70	70	70
	70	70	70	65	65	65	65	60
598 ShHr598 Absolute	60	60	60	60	60	63	65	68
ACM Retail Heating Saturday	70	70	70	70	70	70	70	70
	70	70	70	65	65	65	65	60
599 ShHr599 Absolute	60	60	60	60	60	63	65	68
ACM Retail Heating Sunday	70	70	70	70	70	70	70	70
	70	70	70	65	65	65	65	60
600 ShHr600 Absolute	80	80	80	80	80	74	74	74
ACM Retail Cooling Weekday	74	74	74	74	74	74	74	74
	74	74	74	74	74	74	80	80
601 ShHr601 Absolute	80	80	80	80	80	74	74	74
ACM Retail Cooling Saturday	74	74	74	74	74	74	74	74
	74	74	74	74	74	74	80	80
602 ShHr602 Absolute	80	80	80	80	80	74	74	74
ACM Retail Cooling Sunday	74	74	74	74	74	74	74	74
	74	74	74	74	74	74	80	80
618 ShHr618 Fraction	0	0	0	0	0	0	0.1	0.1
ACM Retail SWH Weekday	0.5	0.5	0.7	0.9	0.9	0.5	0.5	0.7
	0.5	0.5	0.5	0.1	0.1	0	0	0
619 ShHr619 Fraction	0	0	0	0	0	0	0.1	0.1
ACM Retail SWH Saturday	0.5	0.5	0.7	0.9	0.9	0.5	0.5	0.7
	0.5	0.5	0.5	0.1	0.1	0	0	0

620 ShHr620 Fraction	0	0	0	0	0	0	0.1	0.1
ACM Retail SWH Sunday	0.5	0.5	0.7	0.9	0.9	0.5	0.5	0.7
	0.5	0.5	0.5	0.1	0.1	0	0	0
609 ShHr609 On/Off	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
ACM Retail Fans Weekday	ON	ON	ON	ON	ON	ON	ON	ON
	ON	ON	ON	ON	ON	OFF	OFF	OFF
610 ShHr610 On/Off	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
ACM Retail Fans Saturday	ON	ON	ON	ON	ON	ON	ON	ON
	ON	ON	ON	ON	ON	OFF	OFF	OFF
611 ShHr611 On/Off	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
ACM Retail Fans Sunday	ON	ON	ON	ON	ON	ON	ON	ON
	ON	ON	ON	ON	ON	OFF	OFF	OFF

27954

Inst:200912011946 Date:7/20/2009 Time:11:23 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1177 P:953

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 00-00-00-14339-005

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)*: New Package Store
   a) Street *(job)* Address: 7975 SW US Hwy 27, Ft. White, Fl. 32038
2. General description of improvements: New Bldg.
3. Owner Information
   a) Name and address: Rocky Ford, P.O. Box 426, Ft. White, Fl. 32038
   b) Name and address of fee simple titleholder (if other than owner) None
   c) Interest in property 100%
4. Contractor Information Charles Peeler Const.
   a) Name and address: 492 W Duval St. Lake City, Fl. 32055
   b) Telephone No: 386-752-9576 Fax No. (Opt.) 386-438-8076
5. Surety Information
   a) Name and address
   b) Amount of Bond: N/A
   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: None
   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(1)(b), Florida Statutes:
   a) Name and address: None
   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 Office/Director/Partner/Manager

Charles Peeler
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 20 day of July, 2009, by: Charles Peeler as contractor **(type of authority, e.g. officer, trustee, attorney fact) for** Rocky Ford **(name of party on behalf of whom instrument was executed).**

Personally Known ✓ OR Produced Identification ____ Type _____

Notary Signature Mistee Galloway Notary Stamp or Seal:

MISTEE L. GALLOWAY
MY COMMISSION # DD 827433
EXPIRES: October 1, 2012
Bonded Thru Notary Public Underwriters

—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.)

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: nan_graf@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: 7/17/2009 **DATE ISSUED:** 7/17/2009

ENHANCED 9-1-1 ADDRESS:

7975 SW US HIGHWAY 27
FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

00-00-00-14339-005

Remarks:

PACKAGE STORE/SHACK

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.

1478

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 09-0373-N

---------- PART II - SITEPLAN ----------

Scale: 1 inch = 50 feet.

SEE ATTACHED

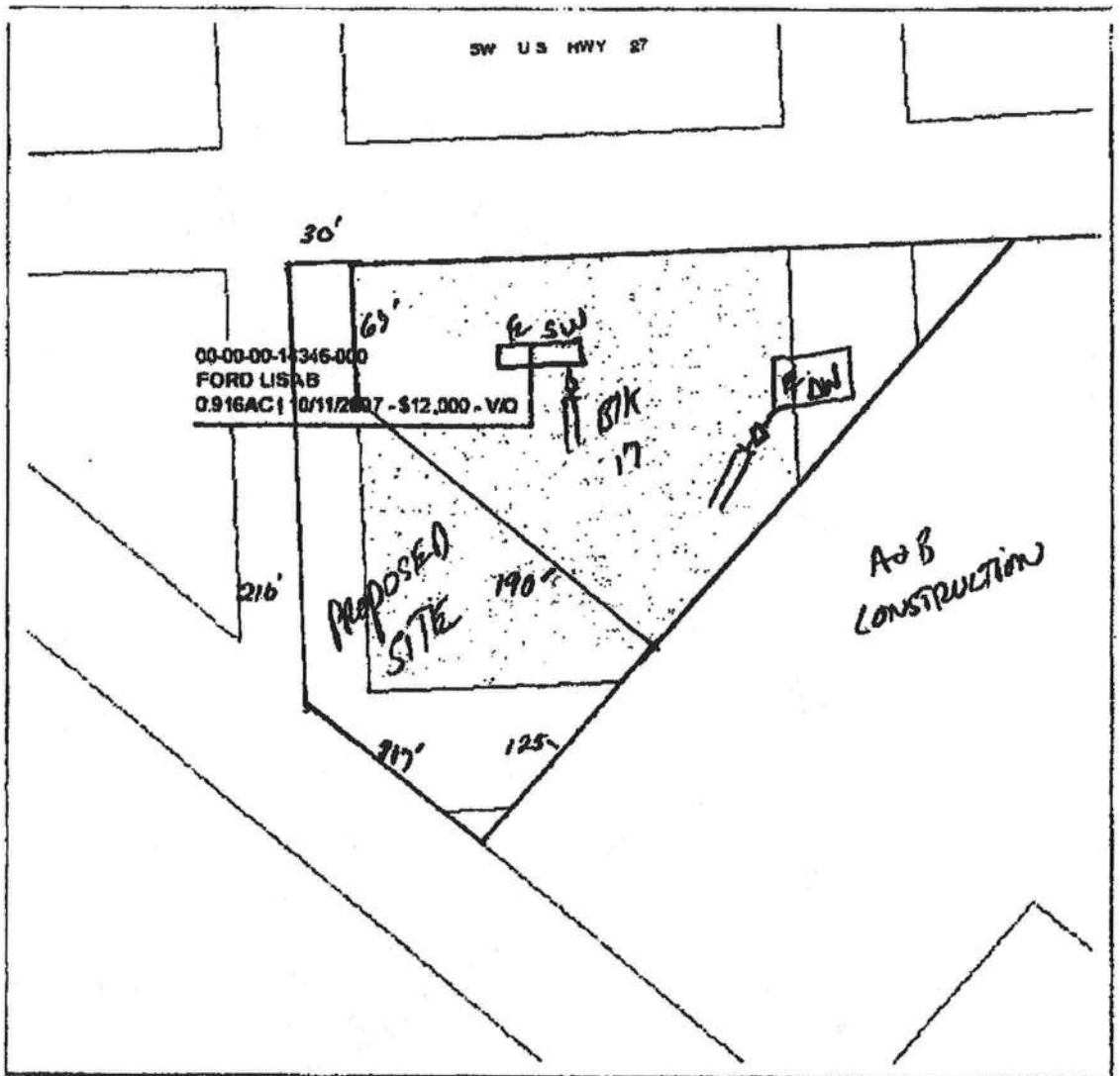
Notes: _____

Site Plan submitted by: _____ MASTER CONTRACTOR

Plan Approved / Not Approved APPROVED Date 7/14/9

By _____ Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

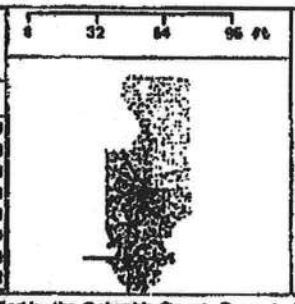


Columbia County Property Appraiser

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

PARCEL: 00-00-00-14346-000 - MOBILE HOM (000200)

Name:	FORD LISA B	LandVal	$31,952.00
Site:	DORTCH	BldgVal	$5,208.00
Mail:	P O BOX 426	ApprVal	$37,160.00
	FORT WHITE, FL 32038	JustVal	$37,160.00
Sales Info		Assd	$37,160.00
		Exempt	$0.00
		Taxable	County: $37,160.00 | City: $37,160.00 Other: $37,160.00 | School: $37,160.00



This information, GIS Map Updated: 4/27/2009, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

27954

FAX MEMORANDUM

MEMORANDUM

FLORIDA DEPARTMENT OF TRANSPORTATION

To: Mr. John Kerce, Dept. Director Columbia Co. Building & Zoning Dept. **Fax No: 386-758-2160**	**From:** Dale L. Cray, FDOT Permits Insp. **Date: 11-16-2009** Fax **No. 386-961-7183 Attention: Col Co. Building Zoning Dept.**

( ) Sign and return. ( ) For your files. ( ) Please call me. **(XX)** FYI ( ) For Review

REF: Commercial Driveway / Rocky Ford (The Package Shack)
PROJECT: The Package Shack
PARCEL ID No: 14388-000 & 14346-000 Permit No : 09-A-292-0010 Sec No : 29050
MILE POST: 7.870+-

Mr. Kerce

Please accept this as our legal notice of final passing inspection for (The Package Shack) for a new commercial driveway. The project address is US 27, Ft. White Fl.32038

The new Access has been inspected and (Approved) and, meets FDOT Standard Requirements for a commercial driveway.

If further information is required on this project please do not hesitate to contact this office for additional access permitting information details. My office number is 961-7193 or 961-7146.

Sincerely,

Dale L. Cray
Access Permits Inspector

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 33-6S-16-14346-000 **Building permit No.** 000027954

Use Classification COMM.PACKAGE STORE **Fire:** 216.04

Permit Holder CHARLES PEELER **Waste:**

Owner of Building LISA FORD **Total:** 216.04

Location: 7975 SW US HIGHWAY 27, FT. WHITE, FL

Date: 11/16/2009

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Columbia County
BUILDING DEPARTMENT

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE ,FLORIDA PLUMBING CODE,FLORIDA MECHINICAL CODE,FLORIDA FUEL AND GAS CODE 2007 , NATIONAL ELECTRICAL 2005
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 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

	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

	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 openings 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	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	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	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	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	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**	Any project located within a flood zone where the base flood elevation (100 year flood) **has been** established shall meet the requirements of section 8.5.2 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 8.5.3 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

Section 105 of the Florida Building Code defines the:

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.

Permit intent.

Section 105.4.1: 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.

If work has 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 of the Florida Building Code defines the:

New Permit.

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.

Work Shall Be:

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.

The Fee:

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

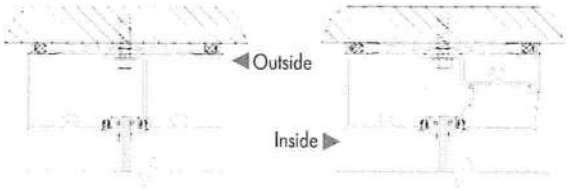
When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department.

Storefront

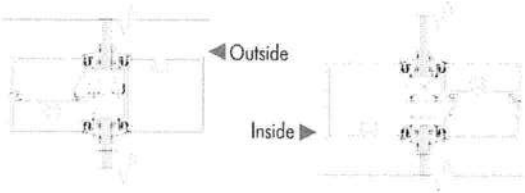
GLAZING SYSTEM

- 1-3/4" x 4 1/2" for 1/4" or 3/8" glazing infill
- Screw-spline joinery using #14 x 1" spline screws
- Hydraulic CoraPunch or drill jig fabrication options
- Deep pocket perimeter sections:
  - Allows for direct anchor attachment to substrate
  - Eliminates drilling access holes and blind caulk seals
  - Eliminates flat filler plate at head and wall jambs
  - Allows for 1/4" diameter hex head anchor bolts to substrate
- Light, standard and heavy wall mullion options
- Fully tested for outside and inside glazing
- Full height subsill flashing with "C" slot for holding sealant

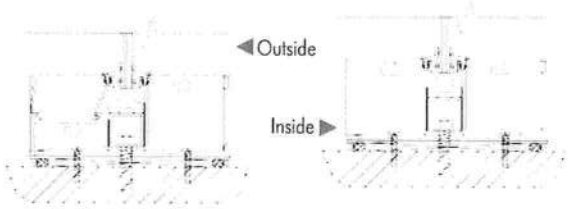
HEAD



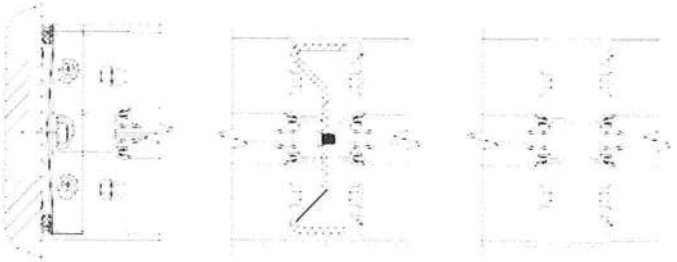
HORIZONTAL



SILL



JAMB | **VERTICAL STEEL REINFORCEMENT** | **VERTICAL**



Coral

▪ Architectural Products ▪

3010 Rice Mine Road ▪ Tuscaloosa, AL 35406
.800.772.7737 ▪ Fax 1.800.443.6261 ▪ www.coralind.com

Storefront glazing system

Approval # FL 8832.1

18.0 Sealant's Used:

Location	Sealant
Perimeter Sealant	Dow Corning 795 Silicone Sealant
Frame Joint Sealant	

INSTALLATION

19.0 Following is a description of how this sample was installed in the steel test buck when viewed from the exterior:

Location	Anchor Schedule
Frame Head	The frame head was attached to the steel opening using two (2) #1/4" x 1-1/2" HH Tek self drilling fastener, located 2" away from the geometric center of the head member, one on each side.
Threshold	The threshold was attached to the steel opening using two (2) #1/4"-20 x 1-1/4" FHP (drilled and tapped) fasteners, located 2" away from the geometric center of the head member, one on each side.
Frame Jambs	The frame jambs were attached to the steel opening using three(3) #1/4" – 1-1/2" HH Tek self drilling fasteners, located 2-3/8", 42-1/4" and 80-3/8" from the bottom of the frame.

NOTE: There was a ¼" shim space used around the perimeter of each test sample at the head, sill and jamb locations.

TEST RESULTS
NS213

20.0 SUMMARY OF RESULTS:

Test Method	Test Conditions	Measured	Allowed
Air Infiltration Test (ASTM E283)	1.57 psf	0.56 cfm/ft²	1.00 cfm/ft²
	6.24 psf	1.35 cfm/ft²	n/a
Uniform Load Deflection Test (ASTM E330)	+ 60 psf	**Deflection**	
		Geometric Center of Doors	
		1.27"	n/a
	- 60 psf	Geometric Center of Doors	
		1.22"	n/a
Uniform Load Structural Test (ASTM E330)	+ 90 psf	**Permanent Set**	
		Geometric Center of Doors	
		0.18"	0.33"
	- 90 psf	Geometric Center of Doors	
		0.25"	0.33"
Forced Entry Resistance Test (AAMA 1304-02)	300-lb.	PASS	

- **THESE TESTS WERE COMPLETED ON 12/21/05**

ENGINEER OF RECORD

1/16/06

Narrow style door
Fl. prod. approval #
FL 7124.1

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf	Gulf Coast Supply		FL 11651.14
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

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

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was teste 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 inspec

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # **(FOR STAFF USE ONLY)**

ascgeosciences
ENGINEERING A BETTER WORLD™

Mr. Bill Freeman, President
Freeman Design Group
128 SW Nassau Street
Fort White, Florida 32025

13 July 2009

Subject: **Test Borings, Findings, and Recommendations Letter**
Proposed Package Shack
S.W. Corner of U.S. 27 and FL 47 (North 1st Street)
Fort White, Columbia County, Florida

ASC Project No. 09G1003
ASC Document No. 090234L

Dear Mr. Freeman:

ASC geosciences inc (ASC) was retained by Freeman Design Group to perform certain field exploration services for the proposed Package Shack located off U.S. 27 at the intersection with FL 47 (North 1st Street) in Fort White, Columbia County, Florida. The scope of services included advancing three (3) hand auger test borings within the proposed building footprint.

A. AVAILABLE INFORMATION

The following information was provided by the Client:

- The project entails construction of a single-story building with an approximate building footprint of ~~600~~ sq. ~~ft (30 ft x 20 ft).~~ 1700 T.B.
- A slab-on-grade foundation type construction with a maximum bearing pressure of 1,500 psf is anticipated as per the Client.
- The proposed structure is going to be lightly loaded with no significant loads as per the Client;

B. OBSERVATIONS AND CONCLUSIONS

- The field exploration program consisted of advancing three (3) hand auger test borings to a depth of approximately 10.0 ft below existing ground surface (egs) within the proposed building footprint at locations selected by ASC in coordination with the Client. Test borings were located at two of the diagonally opposite building corners and one in the middle.
- Subsurface soils within exploration depths consisted of poorly-graded sands (SP) from the egs to boring termination depths of approximately

■ **physical address:**
ASC geosciences, inc.
366 SW Knox Street, Suite 103
Lake City, Florida 32025

■ **contacts:**
phone: 386.755.1414
fax: 386.755.8882

www.ascworld.net

10.0 ft below egs.

- Based on the results of the field exploration program we consider the subsurface conditions at the site adequate to favorable for support of the proposed structure on a slab-on-grade type foundation system;

- Conventional site preparation and earthwork construction (grubbing of deleterious material, mechanical soil densification methods etc.) can be utilized to achieve the required densification (98 percent of modified Proctor ASTM D 1557) of the top 2.0 ft of soils prior to construction;

Your selection of ASC to perform the above mentioned filed work is appreciated. We look forward to being involved during the construction phase of the project as well. Please contact us should you have any questions or require additional information.

Sincerely,

ASC geosciences, inc.

Prashanth Vaddu

Prashanth Vaddu, E.I.
Project Engineer

D.S. "Sax" Saxena, P.E.
Diplomate Forensic Engineer/
Chief Consultant
Florida Registration No. 19387
Fellow and Board Certified Diplomate
In Forensic Engineering by NAFE

COLUMBIA COUNTY FIRE / RESCUE

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

David L. Boozer
Division Chief

13 July 2009

TO: Columbia County Building and Zoning
Attn: Joe Haltiwanger

FROM: David L. Boozer
Division Chief / Fire Marshal
Florida State Fire Inspector #146595

RE: Application # 0907-12
Lisa B. Ford
7973 SW US Highway 27, Ft. White, Florida 32038

A plans review was performed today of the above submitted application. At the time of my review, this building meets the requirements as set forth in Chapter 36, of the Florida Fire Prevention Code, 2007 Edition. I recommend approval.

Sincerely,

David L. Boozer

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:1TT58228Z0107141933

Truss Fabricator:	Anderson Truss Company
Job Identification:	9-144--OWNER BUILDER Rick Gayheart-Package Sha -- , **
Truss Count:	8
Model Code:	Florida Building Code 2007 and 2009 Supplement
Truss Criteria:	FBC2007Com/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

Details: BRCLBSUB-VAL130-A1103005-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	01739--A1		09188001	07/07/09
2	01740--V1		09188002	07/07/09
3	01741--V2		09188003	07/07/09
4	01742--V3		09188004	07/07/09
5	01743--V4		09188005	07/07/09
6	01744--V5		09188006	07/07/09
7	01745--V6		09188007	07/07/09
8	01746--V7		09188008	07/07/09

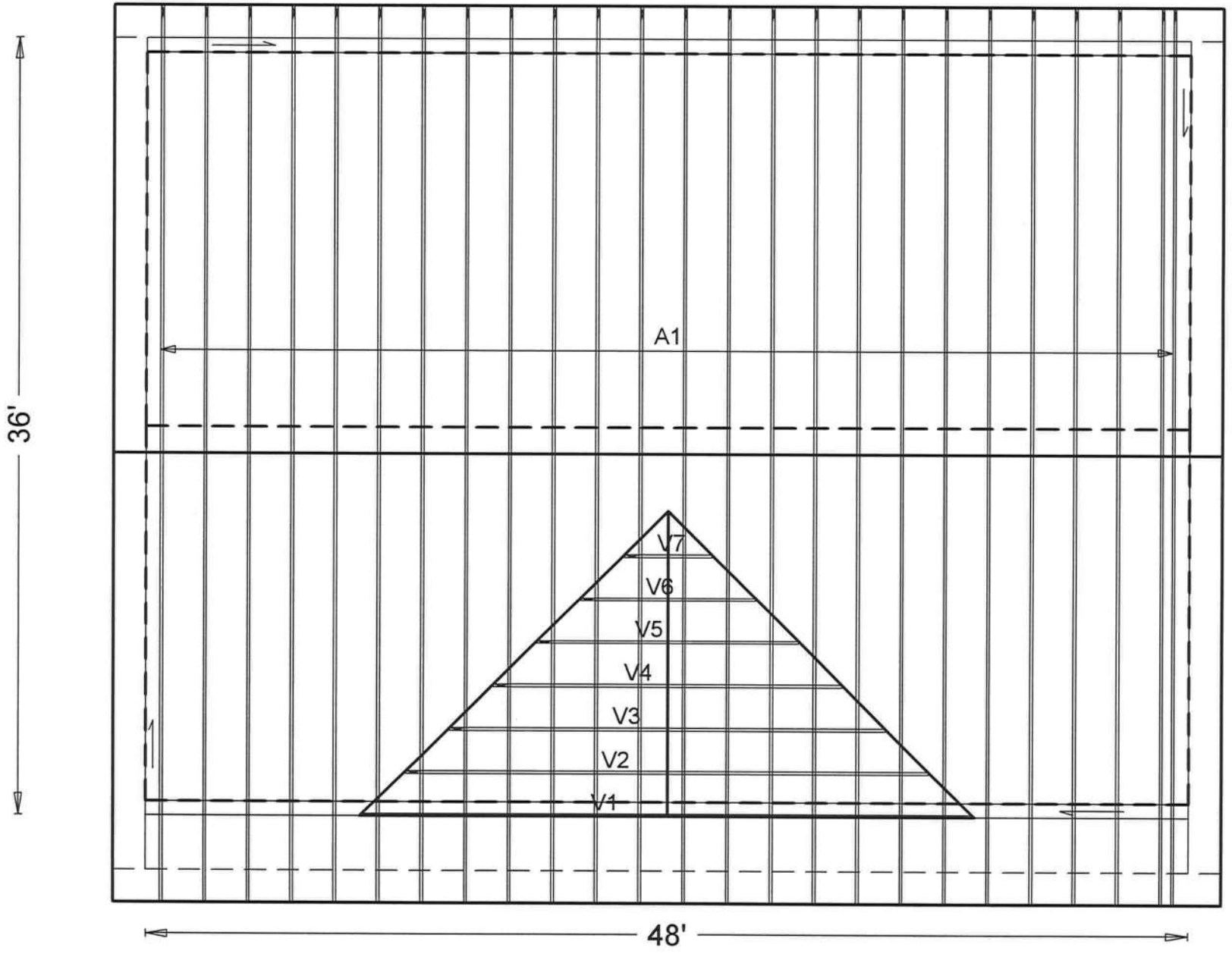
Seal Date: 07/07/2009

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

#9-144
RICK GAYHEART-
PACKAGE SHACK

Roof Plane Sheathing Area = 2589 sq. ft
Total Sheathing Area = 2589 sq. ft
Fascia Material = 195 linear ft
Valley Flashing Material = 42 linear ft
Ridge Cap Material = 65 linear ft



JOB DESCRIPTION:: OWNER BUILDER
/: Rick Gayheart-Package Sha

JOB NO:
9-144

PAGE NO:
1 OF 1

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 3.074'

Roof overhang supports 2.00 psf soffit load.

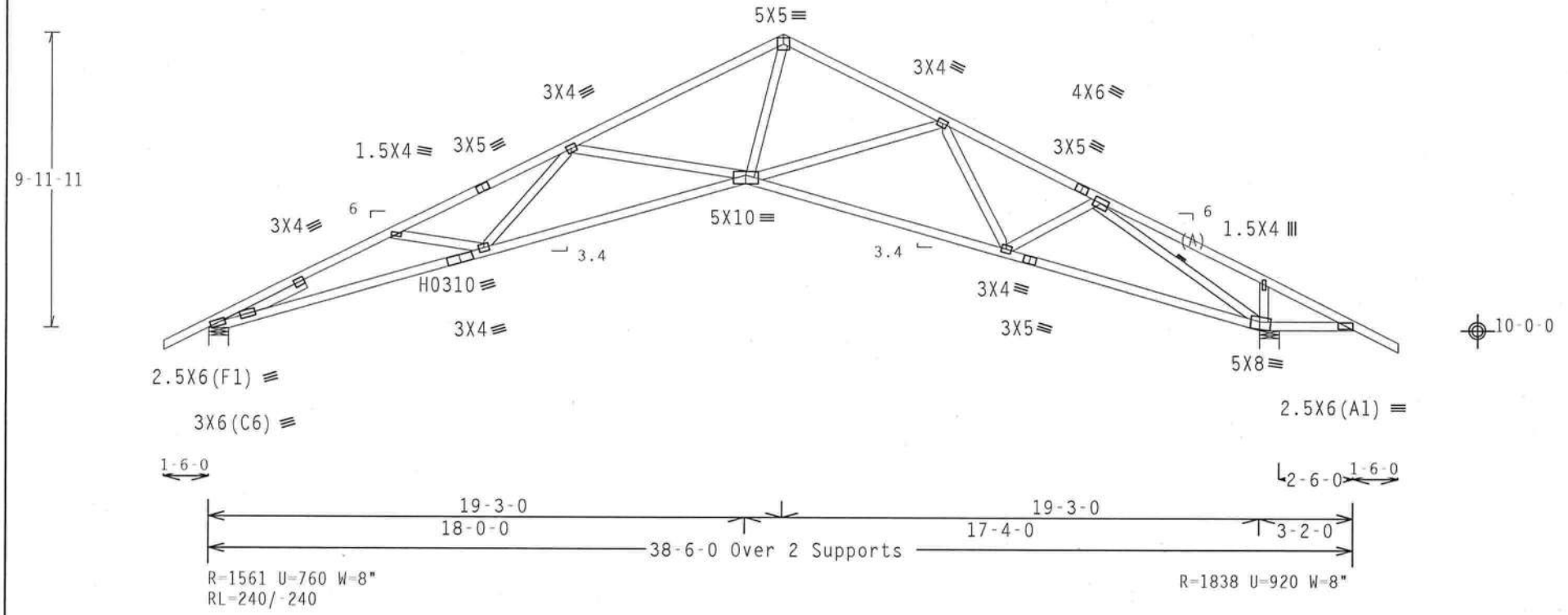
(A) Continuous lateral bracing equally spaced on member.

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

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

Member design & wind reactions based on both MWFRS and C&C.

Calculated horizontal deflection is 0.28" due to live load and 0.29" due to dead load.



Design Crit: FBC2007Com/TPI-2002(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) 9.02.00.0810 QTY:25 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.

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.

IMPORTANTFURNISH 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 (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 (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

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R8228- 1739
TC DL	10.0 PSF	DATE 07/07/09
BC DL	10.0 PSF	DRW HCUSR8228 09188001
BC LL	0.0 PSF	HC-ENG TCE/AP
TOT.LD.	40.0 PSF	SEQN- 33882
DUR.FAC.	1.25	FROM AH

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

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

See DWG VAL1300109 for valley details.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

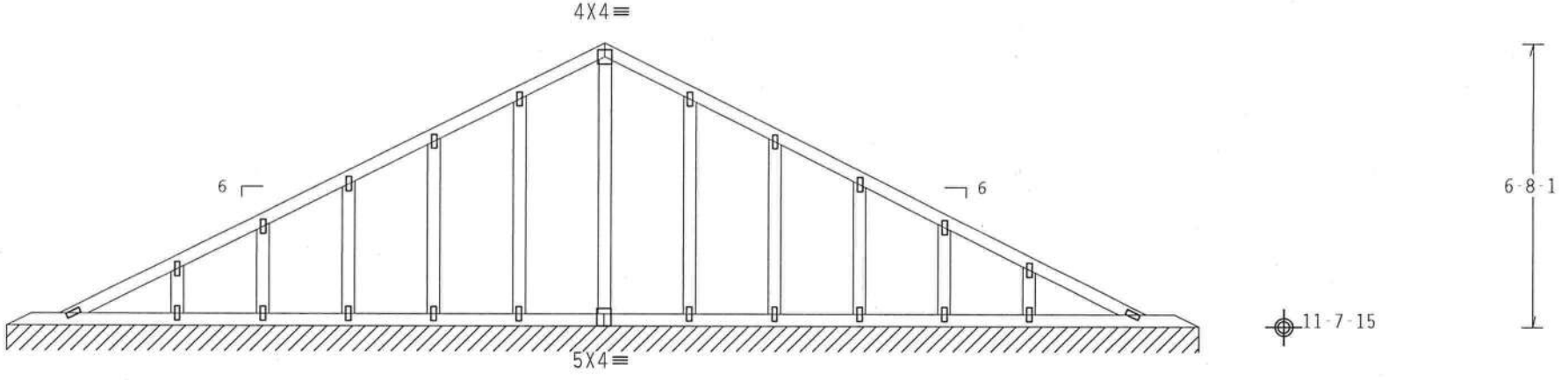
TC - From	10 PLF at	1.24 to	162 PLF at	14.00
TC - From	162 PLF at	14.00 to	10 PLF at	26.76
BC - From	102 PLF at	0.00 to	102 PLF at	1.24
BC - From	10 PLF at	1.24 to	10 PLF at	26.76
BC - From	102 PLF at	26.76 to	102 PLF at	28.00

110 mph wind, 15.14 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Member design & wind reactions based on both MWFRS and C&C.

See DWGS A11030050109 & GBLLETIN0109 for more requirements.

The Building Designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the Building Designer.



R=95 PLF U=32 PLF W=28-0-0
RL=5/-5 PLF

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Com/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.06 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.

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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JAMES K. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R8228- 1740
TC DL	10.0 PSF	DATE	07/07/09
BC DL	10.0 PSF	DRW	HCUSR8228 09188002
BC LL	0.0 PSF	HC-ENG	TCE/AP *
TOT.LD.	40.0 PSF	SEQN-	33901
DUR.FAC.	1.25	FROM	AH

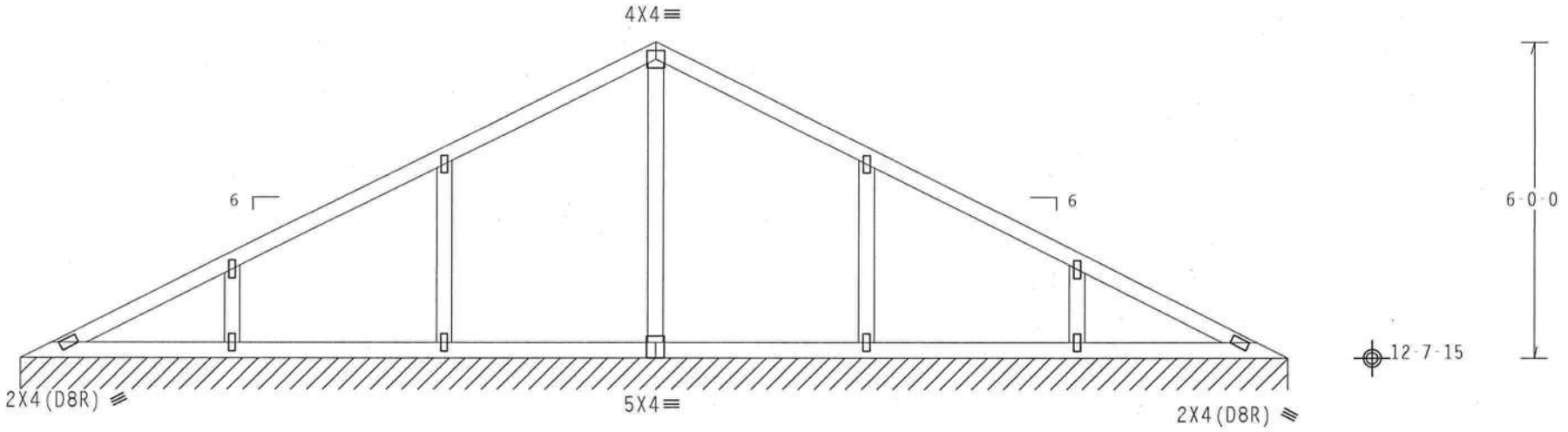
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

See DWG VAL1300109 for valley details.

110 mph wind, 15.80 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Member design & wind reactions based on both MWFRS and C&C.



R=82 PLF U=17 PLF W=24-0-0
RL=5/-5 PLF

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Com/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.05[0] QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group Inc.

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.

IMPORTANTFURNISH 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 (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 (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

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R8228- 1741
TC DL	10.0 PSF	DATE	07/07/09
BC DL	10.0 PSF	DRW	HCUSR8228 09188003
BC LL	0.0 PSF	HC-ENG	TCE/AP *
TOT.LD.	40.0 PSF	SEQN-	33905
DUR.FAC.	1.25	FROM	AH

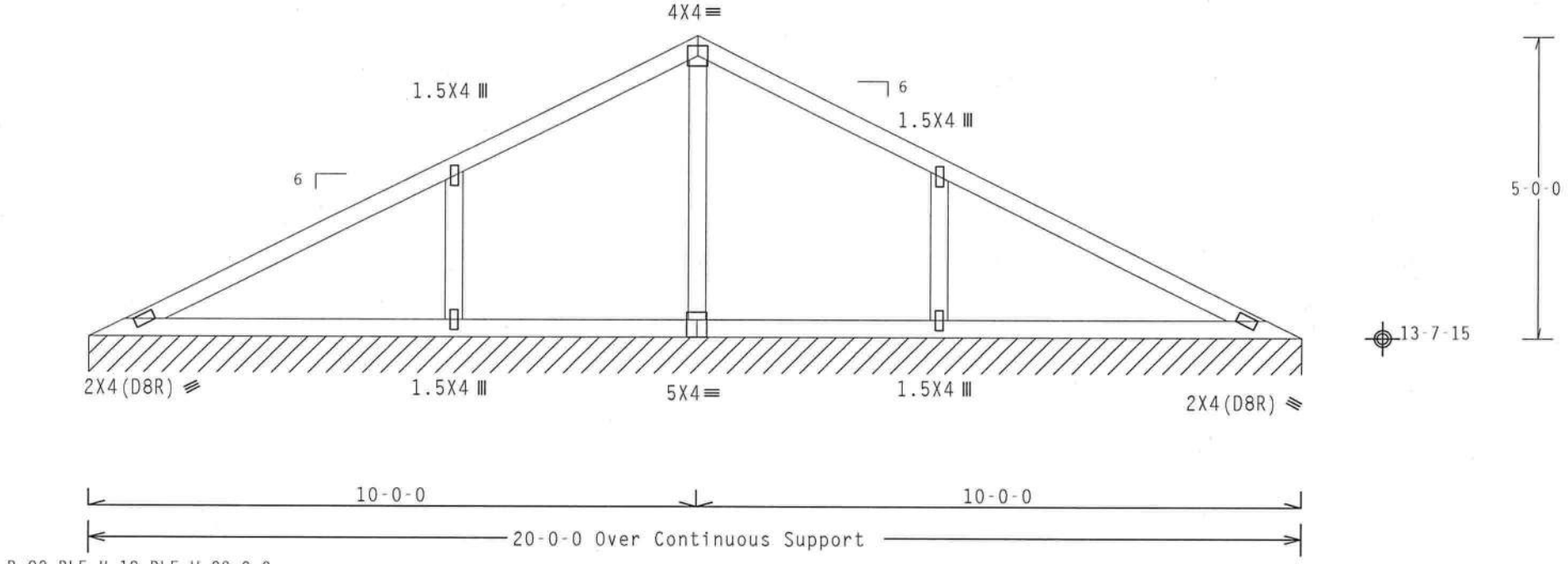
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

See DWG VAL1300109 for valley details.

110 mph wind, 16.30 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Member design & wind reactions based on both MWFRS and C&C.



R=82 PLF U=18 PLF W=20-0-0
RL=5/-5 PLF

Design Crit: FBC2007Com/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.

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JAMES H. COLLINS, JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R8228- 1742
TC DL	10.0 PSF	DATE 07/07/09
BC DL	10.0 PSF	DRW HCUSR8228 09188004
BC LL	0.0 PSF	HC-ENG TCE/AP *
TOT.LD.	40.0 PSF	SEQN- 33909
DUR.FAC.	1.25	FROM AH

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

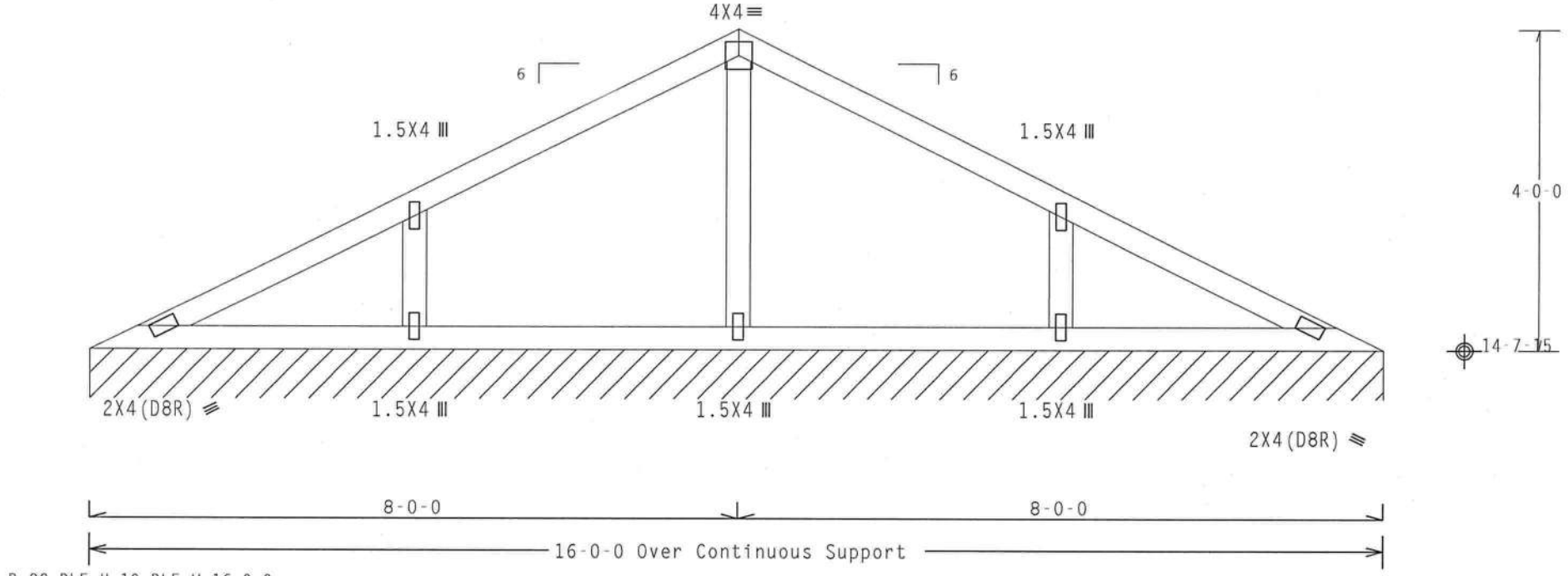
Deflection meets L/240 live and L/180 total load.

See DWG VAL1300109 for valley details.

110 mph wind, 16.80 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Member design & wind reactions based on both MWFRS and C&C.

MWFRS loads based on trusses located at least 8.40 ft. from roof edge.



R=82 PLF U=19 PLF W=16-0-0
RL=5/-5 PLF

Design Crit: FBC2007Com/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 9.02.00.0 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R8228- 1743
TC DL	10.0 PSF	DATE 07/07/09
BC DL	10.0 PSF	DRW HCUSR8228 09188005
BC LL	0.0 PSF	HC-ENG TCE/AP *
TOT.LD.	40.0 PSF	SEQN- 33911
DUR.FAC.	1.25	FROM AH

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

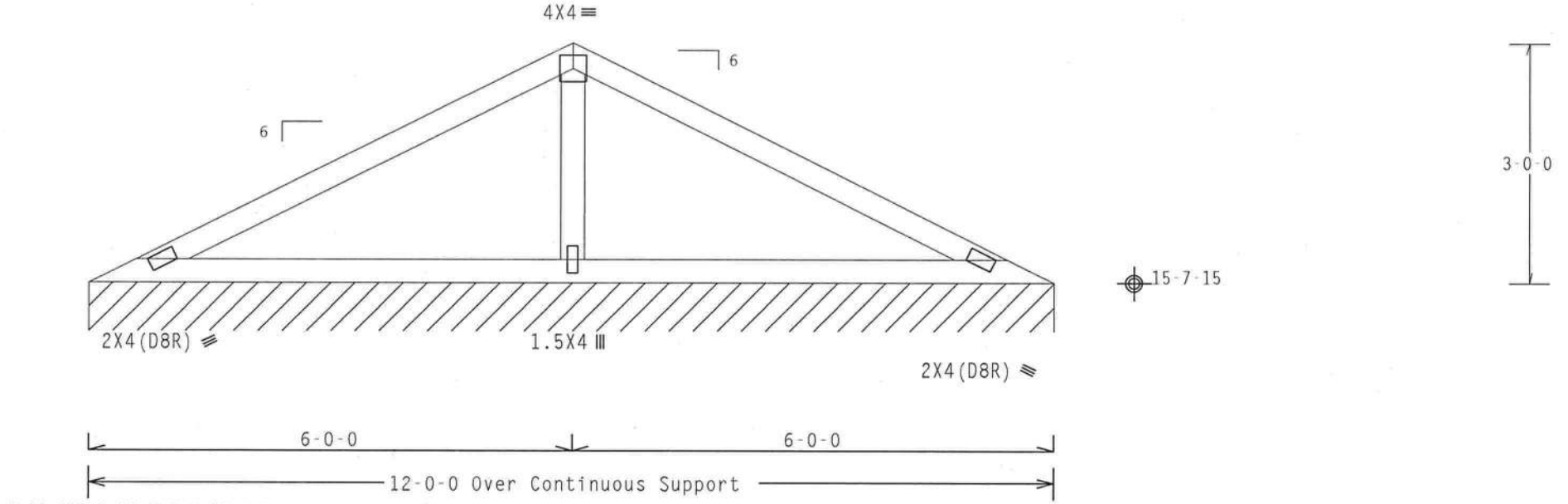
Deflection meets L/240 live and L/180 total load.

See DWG VAL1300109 for valley details.

110 mph wind, 17.30 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Member design & wind reactions based on both MWFRS and C&C.

MWFRS loads based on trusses located at least 8.65 ft. from roof edge.



R=82 PLF U=23 PLF W=12-0-0
RL=5/-5 PLF

Design Crit: FBC2007Com/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.

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JAMES R. COLLINS, JR. LICENSE No. 52812 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R8228- 1744
TC DL	10.0 PSF	DATE 07/07/09
BC DL	10.0 PSF	DRW HCUSR8228 09188006
BC LL	0.0 PSF	HC-ENG TCE/AP *
TOT.LD.	40.0 PSF	SEQN- 33913
DUR.FAC.	1.25	FROM AH

(9-144--OWNER BUILDER Rick Gayheart-Package Sha -- , ** - V6)

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

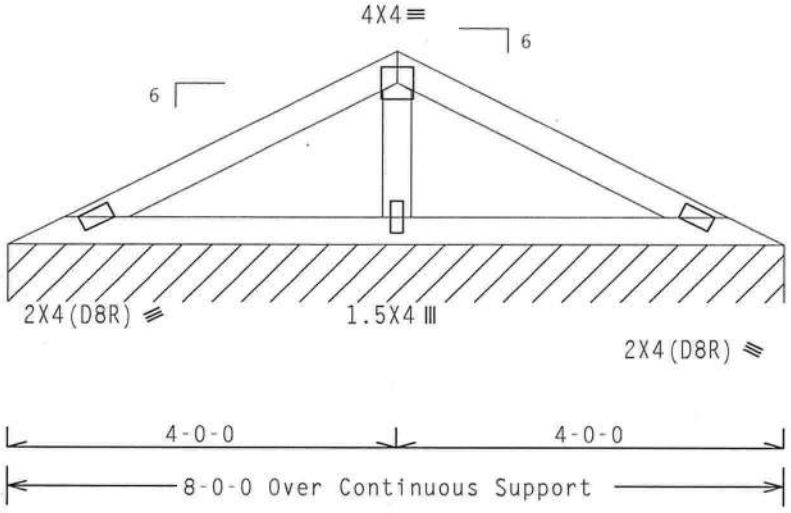
Deflection meets L/240 live and L/180 total load.

See DWG VAL1300109 for valley details.

110 mph wind, 17.80 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Member design & wind reactions based on both MWFRS and C&C.

MWFRS loads based on trusses located at least 8.90 ft. from roof edge.



16-7-15

R=82 PLT U=31 PLT W=8-0-0
RL=4/-4 PLF

Design Crit: FBC2007Com/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.

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JAMES H. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R8228- 1745
TC DL	10.0 PSF	DATE 07/07/09
BC DL	10.0 PSF	DRW HCUSR8228 09188007
BC LL	0.0 PSF	HC-ENG TCE/AP *
TOT.LD.	40.0 PSF	SEQN- 33915
DUR.FAC.	1.25	FROM AH

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

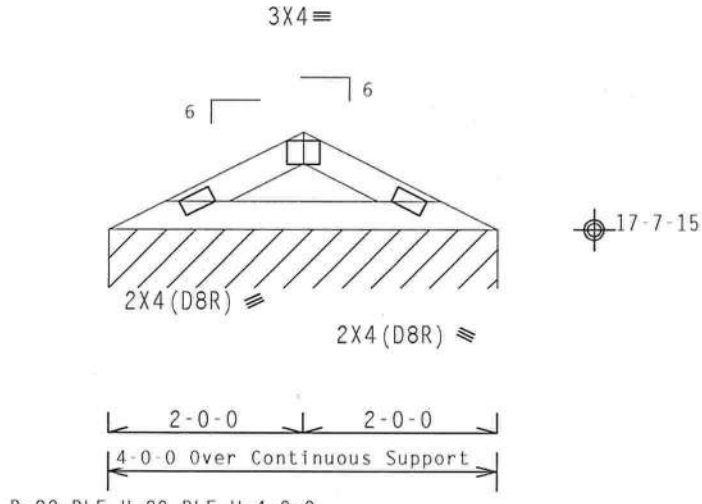
Deflection meets L/240 live and L/180 total load.

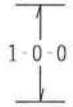
See DWG VAL1300109 for valley details.

110 mph wind, 18.30 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Member design & wind reactions based on both MWFRS and C&C.

MWFRS loads based on trusses located at least 9.15 ft. from roof edge.





Design Crit: FBC2007Com/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.

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JAMES K. POLKINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF R8228- 1746
TC DL	10.0 PSF	DATE 07/07/09
BC DL	10.0 PSF	DRW HCUSR8228 09188008
BC LL	0.0 PSF	HC-ENG TCE/AP
TOT.LD.	40.0 PSF	SEQN- 33917
DUR.FAC.	1.25	FROM AH

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.

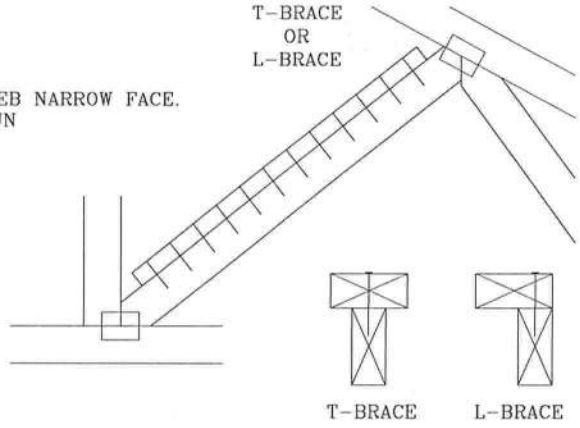
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

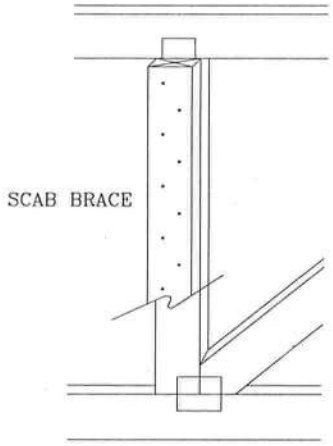
T-BRACING OR L-BRACING:

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.
ITW Building Components Group Inc. (ITWBCG) 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. ITWBCG connector plates are made of 20/18/16GA (W,H/S/K) ASTM A653 grade 37/40/60 (K/W/H,S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and 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 ANST/TPI 1 Sec. 2.
ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

Jul 07 '09

JAMES F. COLLINS, JR. LICENSE No. 52212 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		

VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2N, SPF #1/#2, DF-L #2 OR BETTER.
BOT CHORD 2X4 SP #2N OR SPF #1/#2 OR BETTER.
WEBS 2X4 SP #2N, SPF #1/#2, DF-L #2 OR BETTER.

** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR SBC 110 MPH, ASCE 7-93 110 MPH OR ASCE 7-98, ASCE 7-02 OR ASCE 7-05 130 MPH. 30' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF, Kzt = 1.00

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" O.C., OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'-9".

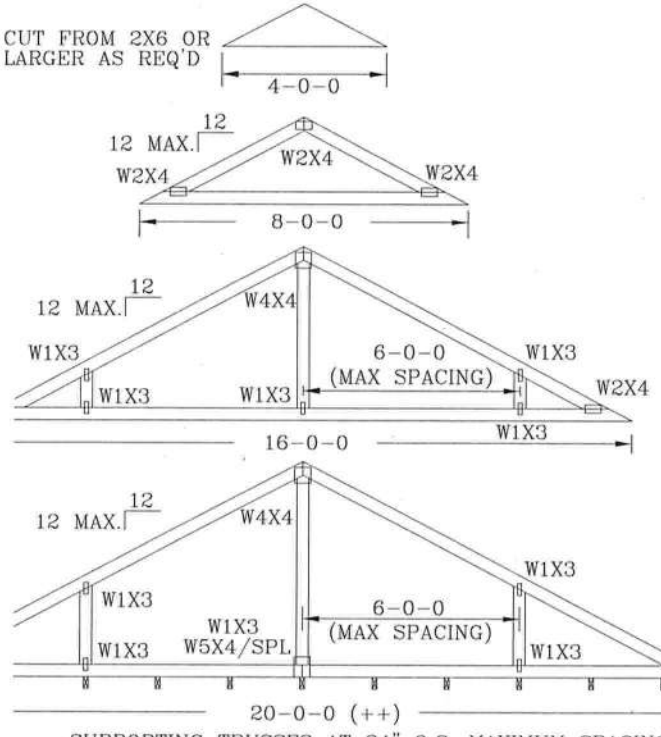
FOR VERTICALS OVER 10'-0" TALL, APPLY (2) 1x4 "T" BRACE, TO NARROW FACE, SAME GRADE AS WEB MEMBER, ATTACH WITH 8d OR 0.128"x3" GUN NAILS @6" O.C., STAGGERED

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION
OR
PURLINS AT 24" O.C. OR AS OTHERWISE SPECIFIED ON ENGINEER'S SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEER'S SEALED DESIGN.

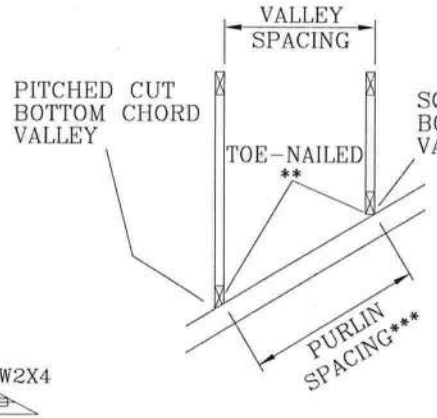
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

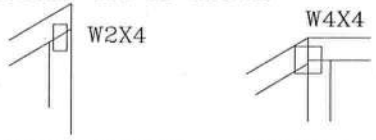
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 14'-0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" O.C. MAXIMUM SPACING.

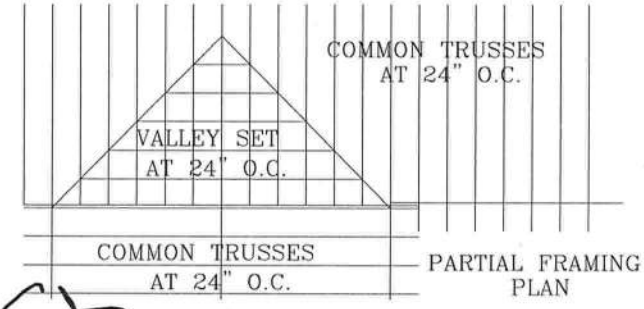




SQUARE CUT BOTTOM CHORD VALLEY

STUBBED VALLEY END DETAIL

OPTIONAL HIP JOINT DETAIL



PARTIAL FRAMING PLAN

Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.
ITW Building Components Group Inc. (ITWBCG) 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. ITWBCG connector plates are made of 20/18/16GA (W,H/S/K) ASTM A653 grade 37/40/60 (K/W/H,S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and 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.
ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
JAN 07 '09

TC LL	30	30	40 PSF	
TC DL	20	15	7 PSF	
BC DL	10	10	10 PSF	
BC LL	0	0	0 PSF	
TOT. LD.	60	55	57 PSF	
DUR.FAC.	1.25/1.33	1.15	1.15	
SPACING		24"		

REF	VALLEY DETAIL
DATE	1/1/09
DRWG	VAL1300109

GABLE STUD REINFORCEMENT DETAIL

ASCE 7-05: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 8"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	9' 6"	9' 6"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"
		STUD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 10"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"
		#3	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STUD	4' 1"	8' 0"	8' 0"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	10' 1"	10' 1"	11' 8"	11' 8"	14' 0"	14' 0"
	SP DFL	#1	4' 7"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#2	4' 6"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	6' 10"	6' 10"	8' 7"	9' 0"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	6' 9"	6' 9"	8' 7"	8' 11"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 2"	5' 10"	5' 10"	7' 8"	7' 8"	10' 3"	10' 4"	11' 11"	11' 11"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 7"	8' 0"	8' 2"	9' 5"	9' 8"	11' 3"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"
	SP DFL	#1	5' 1"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 11"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

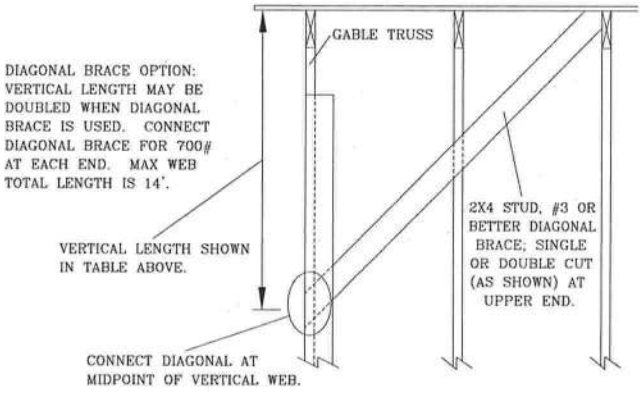
SOUTHERN PINE
#3
STUD
STANDARD

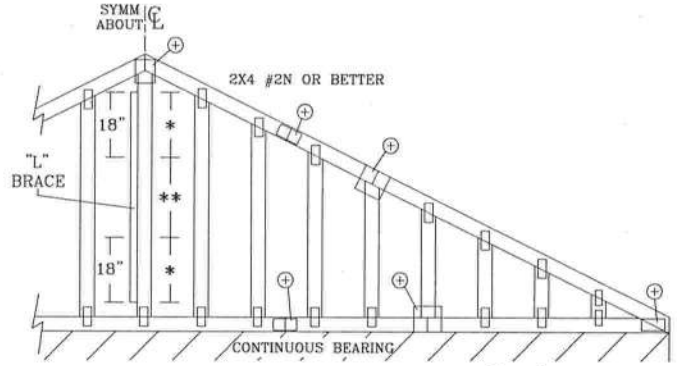
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS. (0.128"x3" min)

* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2.5X4
GREATER THAN 11' 6"	3X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

ITW Building Components Group Inc.

Earth City, MO 63045

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

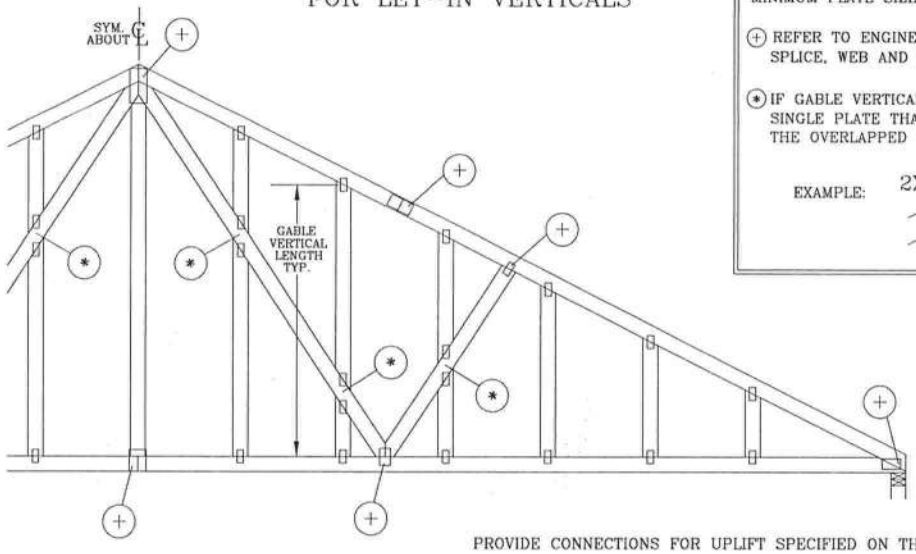
Jul 09 '09

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-05-GAB11030
DATE	1/1/09
DRWG	A11030050109

GABLE DETAIL
FOR LET–IN VERTICALS



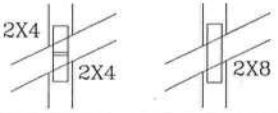
GABLE TRUSS PLATE SIZES

REFER TO APPROPRIATE ITW GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

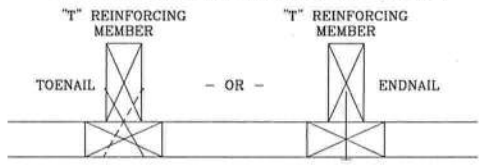
(+) REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

(*) IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF THE OVERLAPPED PLATES TO SPAN THE WEB.

EXAMPLE:



"T" REINFORCEMENT ATTACHMENT DETAIL



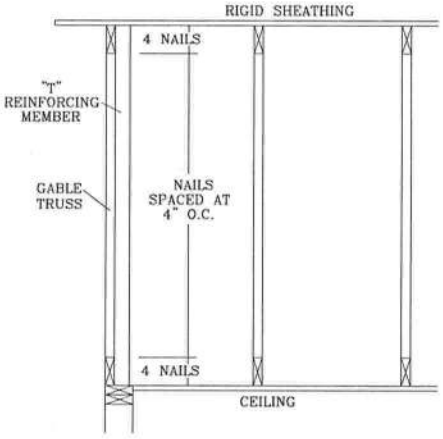
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	"T" INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
30 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
30 FT	2x6	50 %
120 MPH	2x4	10 %
15 FT	2x6	50 %
120 MPH	2x4	10 %
30 FT	2x6	40 %
110 MPH	2x4	10 %
15 FT	2x6	40 %
110 MPH	2x4	10 %
30 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	10 %
30 FT	2x6	40 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
30 FT	2x6	30 %

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT, Kzt = 1.00
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
END DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) NAILS AT 4" O.C. PLUS
(4) NAILS IN TOP AND BOTTOM CHORD.
TOENAILED NAILS:
10d COMMON (0.148"x3",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ITW GABLE DETAIL FOR ASCE WIND LOAD.
ASCE 7–98 GABLE DETAIL DRAWINGS
A13015980109, A12015980109, A11015980109, A10015980109,
A13030980109, A12030980109, A11030980109, A10030980109
ASCE 7–02 GABLE DETAIL DRAWINGS
A13015020109, A12015020109, A11015020109, A10015020109, A14015020109,
A13030020109, A12030020109, A11030020109, A10030020109, A14030020109
ASCE 7–05 GABLE DETAIL DRAWINGS
A13015050109, A12015050109, A11015050109, A10015050109, A14015050109,
A13030050109, A12030050109, A11030050109, A10030050109, A14030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

Building Components Group Inc.
Earth City, MO 63045

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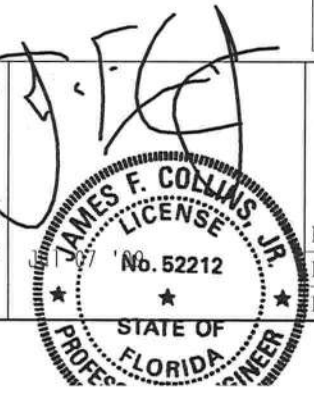
ITW–BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org



MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET–IN VERT
DATE	1/1/09
DRWG	GBLLETIN0109

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DRIVEWAY/CONNECTION APPLICATION FOR ALL CATEGORIES

OFFICE USE ONLY

Application Number: 09-A-292-0010

Received By: Dale L. Cray
FDOT STAFF (TYPE OR PRINT)

Category: B

Date: 5-19-2009

Section/Mile Post: 29050 / 7.870+-

State Road: 20

Section/Mile Post: N/A

State Road: N/A

Instructions - To Applicant

- Contact the Department of Transportation to determine what plans and other documents you are required to submit with your application.
- Complete this form (some questions may not apply to you) and attach all necessary documents and submit it to the Department of Transportation.
- For help with this form contact your local Maintenance or District Office.
  - Or visit our website at www.dot.state.fl.us/onestoppermitting for the contact person and phone number in your area.
  - You may also email - driveways@dot.state.fl.us
  - Or call your District or local Florida Department of Transportation Office and ask for Driveway Permits.

Please print or type

APPLICANT:

Check one:

(X) Owner ( ) Lessee ( ) Contract to Purchase

Name: Rocky D. Ford

Responsible Officer or Person: Same As Above

If the Applicant is a Company or Organization, Name:

Address: PO Box 39

City, State: Ft. White, FL

Zip: 32038 Phone: (386)497-2311 Fax:

Email: rockyford@windstream.net

LAND OWNER:(if not applicant)

Name: Same As Above

If the Applicant is a Company or Organization, Name:

Address:

City, State:

Zip: Phone: Fax:

Email:

AUTHORIZED REPRESENTATIVE: If specified by Applicant to handle, represent, sign, and file the application -
NOTE: A notarized letter of authorization must be provided with the Application

Name: N/A

Company Name: _____

Address: _____

City, State: _____

Zip: _____ Phone: _____ Fax: _____

Email: _____

Address of property to be served by permit (if known):
US 27, Ft. White, FL

If address is not known, provide distance from nearest intersecting public street (such as, 500 feet south of Main St.)

Check here if you are requesting a

○ new driveway ○ temporary driveway ⊗ modification to existing driveway ○ safety upgrade

Does the property owner own or have any interests in any adjacent property?

○ No ⊗ Yes, if yes - please describe: This site is being cut out of a larger tract owned by the title holder.

Are there other existing or dedicated public streets, roads, highways or access easements bordering or within the property?

⊗ No ○ Yes, if yes - list them on your plans and indicate the proposed and existing access points.

Local Government Development Review or Approval Information:

Local Government Contact: Town of Ft White

Name: Laura Dedenbach, Town Planner for Ft White

Government Agency: _____

Phone #: 352.339.6325

If you are requesting commercial or industrial access, please indicate the types and number of businesses and provide the floor area square footage of each. Use additional sheets if necessary.

Business (Name and Type)	Square Footage	Business (Name and Type)	Square Footage
1. Package Shack (package store)	1,800	3.	
2.		4.	

If you are requesting a residential development access, what is the type (single family, apartment, townhouse) and number of units?

Type	Number of Units

Provide an estimate of the daily traffic volume anticipated for the entire property at build out. (An individual single family home, duplex, or quad-plex is not required to complete this section).

Daily Traffic Estimate = 159 (Use the latest Institute of Transportation Engineers (ITE) Trip Generation Report)

If you used the ITE Trip Generation Report, provide the land use code, independent variable, and reference page number.

ITE Land Use Code	Independent Variable	ITE Report page number reference
881	1.8	

Check with the Florida DOT Office where you will return this form to determine which of the following documents are required to complete the review of your application.

Plans should be 11" x 17" (scale 1" x 50')
Note: No plans larger than 24" x 36" will be accepted

a) Highway and driveway plan profile
b) Drainage plan showing impact to the highway right-of-way
c) Map and letters detailing utility locations before and after Development in and along the right of way
d) Subdivision, zoning, or development plans
e) Property map indicating other access, bordering roads and streets
f) Proposed access design
g) Parcel and ownership maps including easements (Boundary Survey)
h) Signing and striping plans
i) Traffic Control/Maintenance of Traffic plan
j) Proof of liability insurance
k) Traffic Impact Study
l) Cross section of roadway every 100' if exclusive turn lanes are required

Important Notices to Applicant Before Signing Application

The Department Reserves The Right To Change Traffic Features And Devices In Right Of Way At Any Time
Proposed traffic control features and devices in the right of way, such as median openings and other traffic control devices, are not part of the connection(s) to be authorized by a connection permit. The Department reserves the right to change these features and devices in the future in order to promote safety in the right of way or efficient traffic operations on the highway. Expenditure by the applicant of monies for installation or maintenance of such features or devices shall not create any interest in the maintenance of such features or devices.

Significant Changes In Property Use Must Undergo Further Review
If an access permit is issued to you it will state the terms and conditions for its use. Significant changes in the use as defined in Section 335.182(3), Florida Statutes, of the permitted access not consistent with the terms and conditions listed on the permit may be considered a violation of the permit.

All Information I Give Is Accurate
I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief, such information is true, complete and accurate.

Starting Work On The Driveway Connection After I Get My Permit Means I Accept All the Conditions In My Permit
I will not begin work on the connection until I receive my Permit and I understand all the conditions of the Permit. When I begin work on the connection, I am accepting all conditions listed in my Permit.

Applicant Name (Printed): Rocky D Ford

Applicant's signature: Rocky D Ford Date 4-27-09

SUWANNEE
RIVER
WATER
MANAGEMENT
DISTRICT

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

NOTICED GENERAL PERMIT

PERMITTEE:
ROCKY FORD
POST OFFICE BOX 39
FORT WHITE, FL 32038

PERMIT NUMBER: ERP09-0093
DATE ISSUED: 04/21/2009
DATE EXPIRES: 04/21/2012
COUNTY: COLUMBIA
TRS: S25/T6S/R16E

PROJECT: PACKAGE SHACK - FT. WHITE

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

ROCKY FORD
POST OFFICE BOX 39
FORT WHITE, FL 32038

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

Construction and operation of a surfacewater management system serving 0.16 acres of impervious surface on a total project area of 0.58 acres in a manner consistent with the application package submitted by Crews Engineering Services, LLC on April 14, 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 noticed 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.

General Conditions for All Noticed General Permits:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this section are general permit conditions and are binding upon the permittee for all noticed general permits in Part II of this chapter. These conditions are enforceable under Part IV of chapter 373, F.S.

2. The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit. A violation of the permit is a violation of Part IV of chapter 373, F.S., and may result in suspension or revocation of the permittee's right to conduct such activity under the general permit. The District may also begin legal proceedings seeking penalties or other remedies as provided by law for any violation of these conditions.

3. This general permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any construction, alteration, operation, maintenance, removal or abandonment authorized by this permit.

4. This general 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 general permit and Part II of this chapter.

5. This general permit does not relieve the permittee from liability and penalties when the permitted activity causes harm or injury to human health or welfare, animal, plant or aquatic life, or property. It does not allow the permittee to cause pollution in contravention of Florida Statutes and District rules.

6. The permittee is hereby advised that s.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.

7. The authorization to conduct activities pursuant to general permit may be modified, suspended or

revoked in accordance with chapter 120, and s.373.429, F.S.

8. This permit shall not be transferred to a third party except pursuant to s.40B-4.1130, F.A.C. The permittee transferring the general permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located.

9. Upon reasonable notice to the permittee, District staff with proper identification shall have permission to enter, inspect, sample and test the permitted system to insure conformity with the plans and specifications approved by the permit.

10. The permittee shall maintain any permitted system in accordance with the plans submitted to the District and authorized by this general permit.

11. A permittee's right to conduct a specific noticed activity under this noticed general permit is authorized for the duration on the front of this permit.

12. Construction, alteration, operation, maintenance, removal and abandonment approved by this general permit shall be conducted in a manner which does not cause violations of state water quality standards, including any antidegradation provisions of s.62-4.242(1)(a) and (b), 62-4.242(2) and (3), and 62-302.300, F.A.C., and any special standards for Outstanding Florida Waters and Outstanding National Resource Waters. The permittee shall implement best management practices for erosion, turbidity and other pollution control to prevent violation of state water quality standards. Temporary erosion control measures such as sodding, mulching, and seeding shall be implemented and shall be maintained on all erodible ground areas prior to and during construction. Permanent erosion control measures such as sodding and planting of wetland species shall be completed within seven days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into wetlands or other surface waters exists due to the permitted activity. Turbidity barriers shall remain in place and shall be maintained in a functional condition at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

13. 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, alteration, operation, maintenance, removal, abandonment or use of any system authorized by the general permit.

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

15. 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.

16. 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.

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 4/21/09
District Staff

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:

ROCKY FORD
POST OFFICE BOX 39
FORT WHITE, FL 32038

At 4:00 p.m. this 22 day of April, 2009.

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: ERP09-0093

PACKAGE SHACK

SITE PLAN FOR:
CHUCK STRICKLAND AND RICK GAYHEART
PACKAGE SHACK CORPORATION
195 SW ROUNDHOUSE CT
FORT WHITE, FL 32038

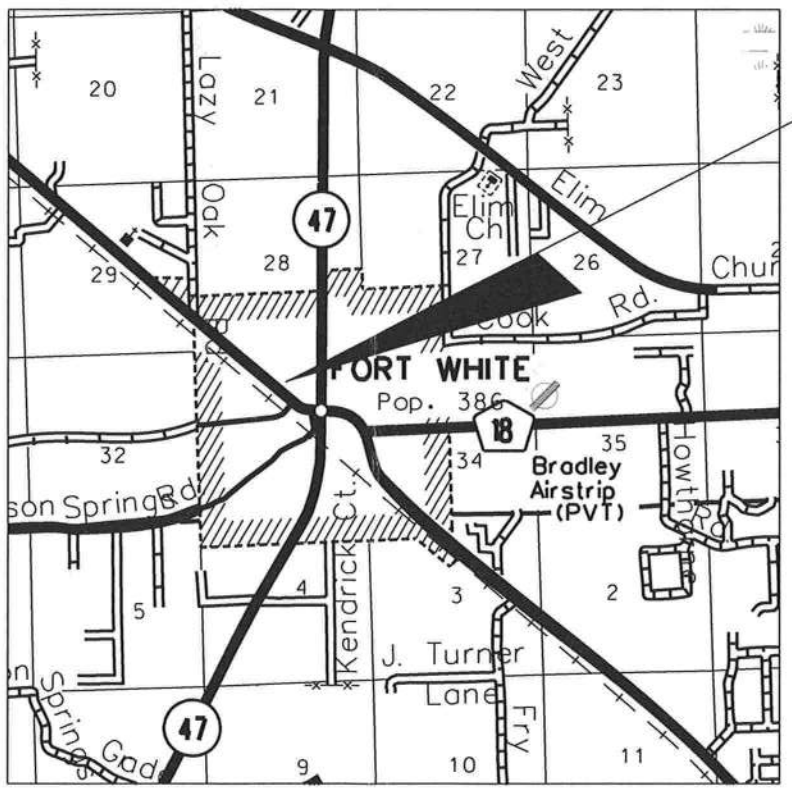
CES

Crews Engineering Services, LLC

P.O. BOX 970
LAKE CITY, FL 32056
PHONE: 386.754.4085
www.crewsengineeringservices.com

CERTIFICATE OF AUTHORIZATION: NO. 28022

BRETT A. CREWS, P.E. 65592



LOCATION MAP

SECTION 25, TOWNSHIP 6 SOUTH, RANGE 16 EAST
FORT WHITE, FLORIDA

PARCEL ID: 14388-000 AND A PORTION OF 14346-000

INDEX OF SHEETS

6-24-09

CES PROJECT ID:
2009-006

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 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. 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.

4. THE STORM WATER MANAGEMENT SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH SRWMD RULES AND REGULATIONS (CH. 40B-4 F.A.C).

5. PROPOSED STORM WATER BASINS SHALL BE CONSTRUCTED INITIALLY TO SERVE AS A SEDIMENT TRAP DURING CONSTRUCTION.

6. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, UNLESS OTHERWISE SPECIFIED IN THE PLANS.

7. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER.

8. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF FORT WHITE LAND DEVELOPMENT REGULATIONS.

9. SITE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT LIMITS.

10. ALL PROPOSED CONSTRUCTION SHALL CONFORM TO CURRENT FDOT DESIGN STANDARDS AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

11. ALL STORM SEWER PIPES SHALL HAVE A MINIMUM COVER OF 6". LIMEROCK BACKFILL SHALL BE USED IF PIPE UNDER PAVEMENT HAS LESS THAN 12" COVER.

12. 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 FORMS WITHIN THE STORM WATER SYSTEM, THE SINKHOLE SHALL BE REPAIRED BY BACKFILLING WITH A LOW 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.

13. ALL NEW TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVISES AND THE CURRENT FDOT DESIGN STANDARDS.

14. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FDOT DESIGN STANDARDS. THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE COUNTY ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK WITHIN COUNTY RIGHT OF WAY.

GENERAL NOTES CONT.

15. CONTRACTOR SHALL CONTACT TOWN OF FORT WHITE BUILDING AND ZONING DEPARTMENT TO PERFORM THE FOLLOWING SITE INSPECTIONS:
    A) EROSION AND SEDIMENT CONTROL - PRIOR TO BEGINNING CONSTRUCTION
    B) SITE COMPLIANCE - ONCE BUILDING FOUNDATION IS POURED AND IMPROVEMENTS ARE STAKED OUT
    C) FINAL SITE COMPLIANCE - ONCE ALL IMPROVEMENTS ARE FINALIZED

16. CONTRACTOR SHALL CONTACT SRWMD AND ENGINEER OF RECORD 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

EROSION CONTROL NOTES

1. CONTRACTORS SHALL ADHERE TO THE STORM WATER POLLUTION PREVENTION PLAN AND USE (AS A MINIMUM) THE MEASURES DESCRIBED ON THE EROSION CONTROL NOTES AND DETAILS SHEET.

2. ALL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION.

3. CONTRACTOR SHALL ADHERE TO EROSION AND SEDIMENT CONTROL REGULATIONS AS SET BY SRWMD AND OTHER GOVERNING AUTHORITIES.

4. SEDIMENT AND EROSION CONTROL PLAN AND STORM WATER MANAGEMENT FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

5. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING ADDITIONAL MEASURES AS REQUIRED FOR PROPER EROSION AND SEDIMENT CONTROL. THE CONTRACTOR SHOULD USE BMP'S IN THE FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL TO IMPLEMENT A PLAN THAT WILL WORK AND MEET ACTUAL FIELD CONDITIONS.

6. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.

7. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED IMMEDIATELY AND RIP RAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.

8. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.

9. SILT FENCE SHALL BE CLEANED OR REPLACED WHEN SILT BUILDS UP TO WITHIN ONE FOOT OF TOP OF SILT FENCE.

10. DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.

11. A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES AND COLLECTION PIPE OUTLETS.

12. ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY TO PREVENT EROSION.

13. ALL SLOPES GREATER THAN 4H:1V SHALL BE STABILIZED WITH SOD. STAPLE SOD SHALL BE USED ON SLOPES GREATER THAN 2H:1V.

14. 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.

EROSION CONTROL NOTES CONT.

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. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS AND EXCESS DIRT REMOVE DAILY.

17. THIS PROJECT SHALL COMPLY WITH ALL APPLICABLE WATER QUALITY STANDARDS.

18. QUALIFIED PERSONNEL SHALL INSPECT THE STOCKPILE AREAS, SILT FENCE, CONSTRUCTION ENTRANCE, AND ALL DISTURBED AREAS THAT HAVE NOT BEEN FINA STABILIZED, AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOU AFTER A STORM OF 0.5 INCHES OR GREATER. CORRECTIVE ACTIONS SHALL BE TAKE IMMEDIATELY.

19. CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF AL EROSION AND SEDIMENT CONTROLS DURING PROPOSED CONSTRUCTION.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CES
Crews Engineering Services, LLC
P.O. BOX 970
LAKE CITY, FL 32056
PHONE: 386.754.4085

6-24-09
Brett A. Crews, P.E. 65592

DRAWN BY: BC
APPROVED BY: BC

PACKAGE SHACK

GENERAL NOTES

CES PROJECT NO: 2009-00
SHEET: 1

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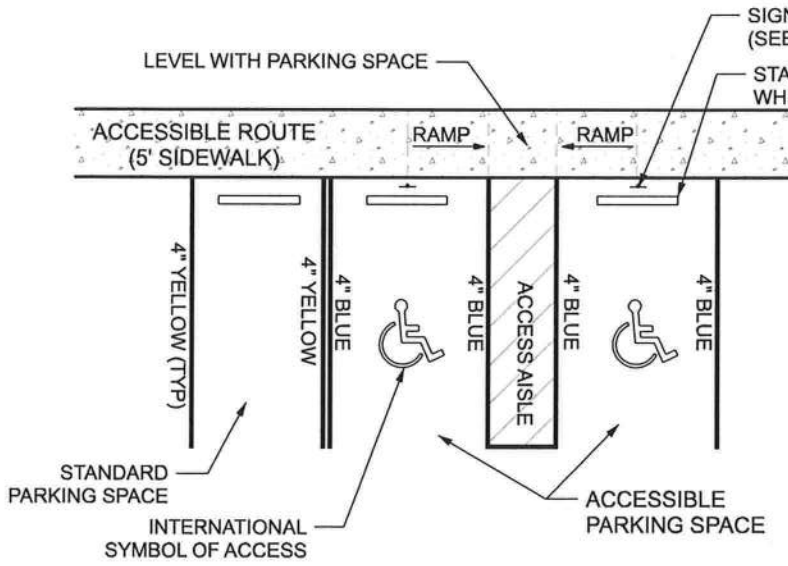
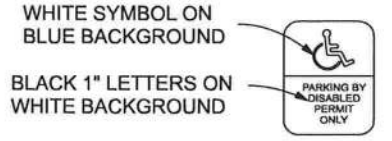


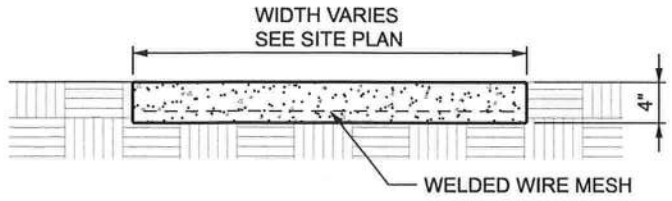


SIGN DETAIL

NOTES:

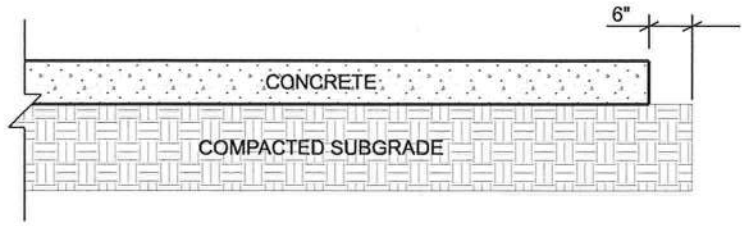
1. ALL ACCESSIBLE ROUTES SHALL MEET ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. ACCESS AISLE MAY BE PLACED ON RIGHT OR LEFT SIDE OF PARKING STALL.
3. SIGN SHALL BE PLACED IN FRONT OF ALL DESIGNATED ACCESSIBLE PARKING SPACES.
4. SIGN HEIGHT SHALL BE 7' FROM PAVEMENT TO BOTTOM OF SIGN.
5. INTERNATIONAL SYMBOL OF ACCESS SHALL BE 3 - 5 FT HIGH AND BLUE IN COLOR.
6. RAMP SHALL PROVIDE NON-SLIP FINISH AND HAVE A MAXIMUM SLOPE OF 1:12.
7. PAINT EDGE OF SIDEWALK WITH CONTRASTING PAINT AT RAMP TRANSITION. 3" WIDTH ON TOP AND ON FACE OF TRANSITION.
6. SEE SITE PLAN FOR ADDITIONAL PARKING SPACEL DIMENSIONS.

TYPICAL OFF-STREET PARKING DETAIL
NTS



3000 PSI CONCRETE
REINFORCED WITH 6x6x10/10 WELDED WIRE MESH
PROVIDE 1/8"-1/4" CONTRACTION JOINTS
AT 10' CENTERS (MAXIMUM)

TYPICAL SIDEWALK DETAIL
NTS



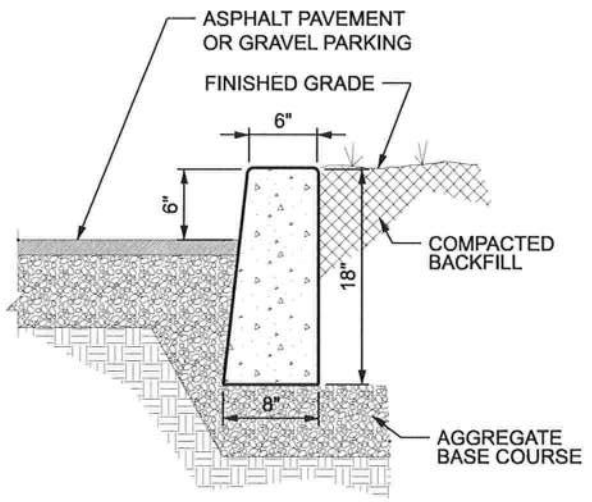
COMPOSITION

6" (MIN) 3000 PSI FDOT CLASS 1 CONCRETE WITH WIRE MESH
8" COMPACTED SUBGRADE

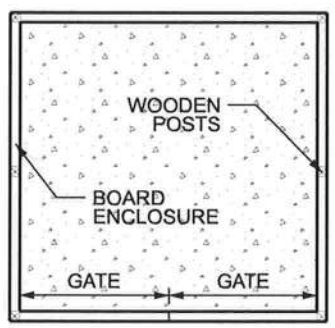
SUBGRADE SHALL BE COMPACTED TO
100% MAXIMUM DENSITY
AS ESTABLISHED BY AASHTO T-99

DESIGN SPEED = 25 MPH

TYPICAL CONCRETE PAVEMENT SECTION
NTS

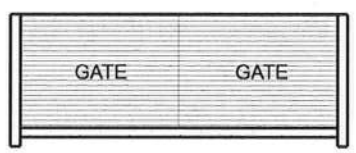


HEADER CURB DETAIL
NTS



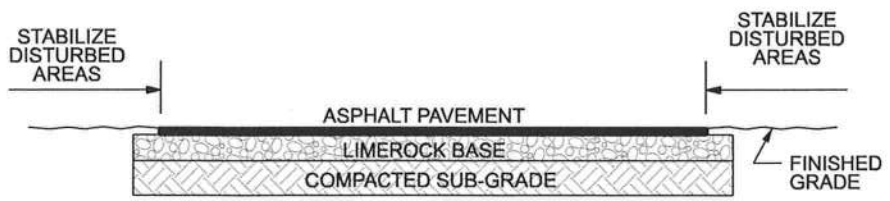
PLAN VIEW

4" THICK, 2500 PSI CONCRETE
WITH FIBER MESH
PROVIDE 1/8" - 1/4" CONTRACTION JOINTS
ON 10' CENTERS MAXIMUM



SECTION

DUMPSTER PAD DETAIL
NTS



1.25" SUPERPAVE (12.5)
0.1 GAL/SY PRIME COAT
6" LIMEROCK BASE
8" COMPACTED SUB-GRADE, LBR 30

NOTE:
SUBGRADE SHALL BE COMPACTED TO
98% OF MAXIMUM DRY DENSITY AS
ESTABLISHED BY ASTM T-99.

TYPICAL ASPHALT PAVEMENT SECTION
NTS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CES
Crews Engineering Services, LLC
P.O. BOX 970
LAKE CITY, FL 32056
PHONE: 386.754.4085

Brett A. Crews, P.E. 65592
6-24-09

DRAWN BY: BC
APPROVED BY: BC

PACKAGE SHACK

MISCELLANEOUS NOTES AND DETAILS

CES PROJECT NO. 2009-00
SHEET: 2

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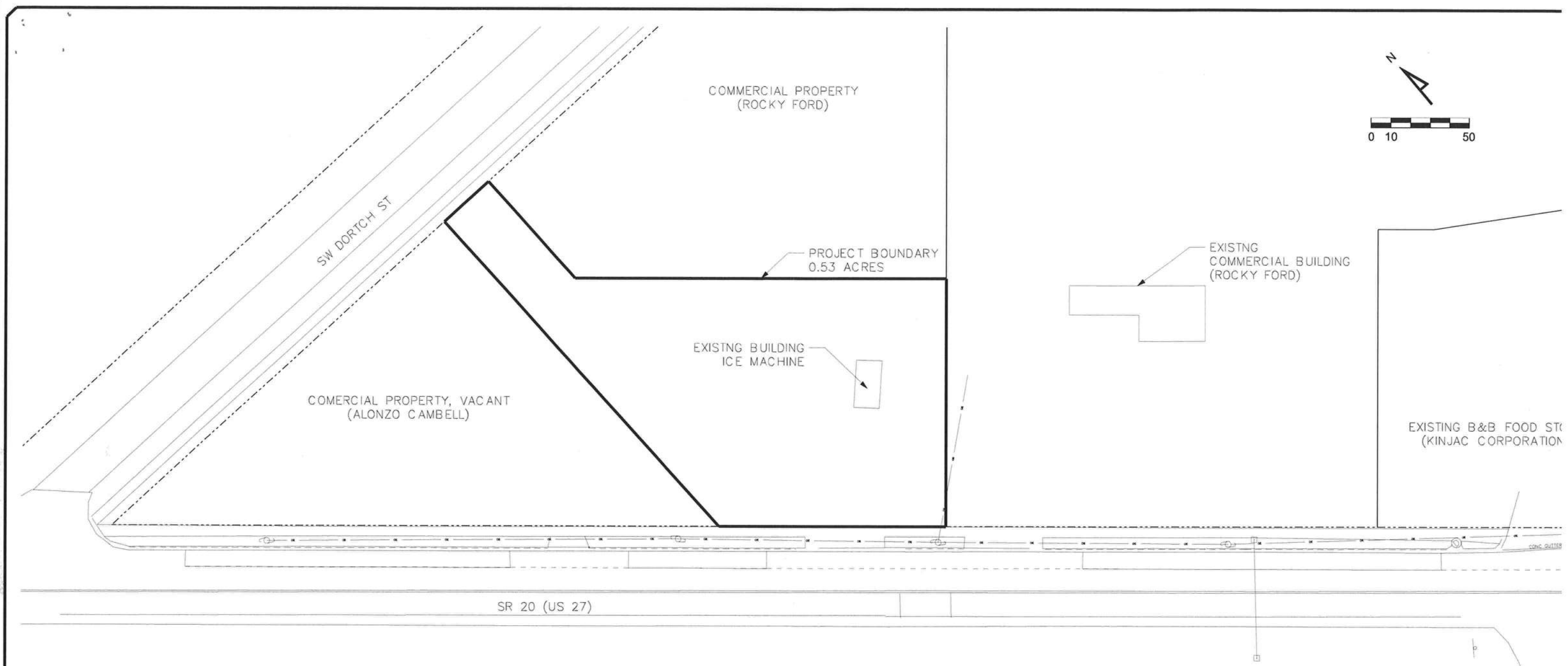

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

CES
Crews Engineering Services, LLC
P.O. BOX 970
LAKE CITY, FL 32056
PHONE: 386.754.4085

Brett A. Crews
6-24-09
Brett A. Crews, P.E. 65592

DRAWN BY:	PACKAGE SHACK	CES PROJECT
BC		2009-(
APPROVED BY:	EXISTING CONDITIONS	SHEET:
BC		3

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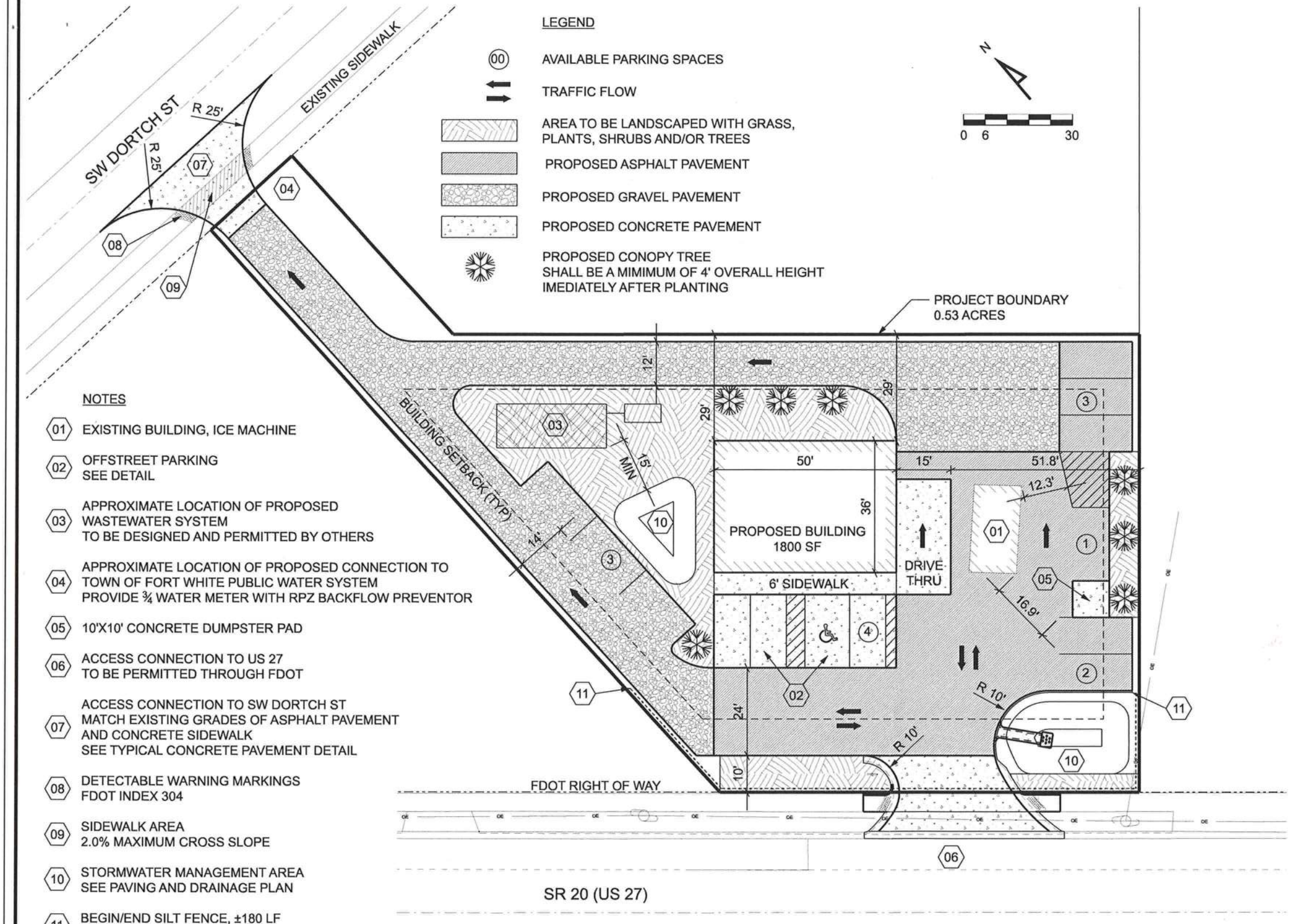

NOTES

01 EXISTING BUILDING, ICE MACHINE

02 OFFSTREET PARKING SEE DETAIL

03 APPROXIMATE LOCATION OF PROPOSED WASTEWATER SYSTEM TO BE DESIGNED AND PERMITTED BY OTHERS

04 APPROXIMATE LOCATION OF PROPOSED CONNECTION TO TOWN OF FORT WHITE PUBLIC WATER SYSTEM PROVIDE ¾ WATER METER WITH RPZ BACKFLOW PREVENTOR

05 10'X10' CONCRETE DUMPSTER PAD

06 ACCESS CONNECTION TO US 27 TO BE PERMITTED THROUGH FDOT

07 ACCESS CONNECTION TO SW DORTCH ST MATCH EXISTING GRADES OF ASPHALT PAVEMENT AND CONCRETE SIDEWALK SEE TYPICAL CONCRETE PAVEMENT DETAIL

08 DETECTABLE WARNING MARKINGS FDOT INDEX 304

09 SIDEWALK AREA 2.0% MAXIMUM CROSS SLOPE

10 STORMWATER MANAGEMENT AREA SEE PAVING AND DRAINAGE PLAN

11 BEGIN/END SILT FENCE, ±180 LF FDOT INDEX 102

GENERAL PROJECT INFORMATION

FUTURE LAND USE: COMMERCIAL
ZONING: COMMERCIAL GENERAL

DEVELOPMENT DATA
TOTAL SITE AREA = 23,072 SF = 0.53 ACRES

EXISTING CONDITIONS
BUILDING AREA = 300 SF

PROPOSED CONDITIONS
EXISTING BUILDING AREA = 300 SF
NEW BUILDING AREA = 1,800 SF (1,530 SF NON-STORAGE)
ASPHALT PARKING AREA = 5,300 SF
CONCRETE PAVEMENT AREA = 1,800 SF
TOTAL IMPERVIOUS AREA = 9,200 SF (31.4% SITE AREA)

FAR = 1,800 SF / 23,072 = 0.08

MINIMUM BUILDING/YARD SETBACKS PER LDR
FRONT YARD = 20'
REAR YARD = 15'
SIDE YARD = 10'

PARKING CALCULATIONS
COMMERCIAL SERVICE ESTABLISHMENT:
1 SPACE PER 150 SF OF NON-STORAGE AREA
REQUIRED PARKING = 1,530 SF / 150 = 10 SPACES
AVAILABLE PARKING = 13 SPACES

ACCESSIBLE PARKING :
1 PER 25 REQUIRED SPACES = 1 SPACE

BOUNDARY AND TOPOGRAPHICAL SURVEY
THE BOUNDARY AND TOPOGRAPHICAL SURVEY INFORMATION SHOWN IN THESE PLANS IS BASED ON A SURVEY BY WILLIAM N. KITCHEN PROFESSIONAL SURVEYOR AND MAPPER, DATED 03-16-2009

UTILITIES
WATER SERVICE: TO BE PROVIDED BY TOWN OF FORT WHITE

WASTEWATER SERVICE: TO BE PROVIDED BY ON-SITE SEPTIC SYSTEM

ELECTRIC SERVICE: PROVIDED BY CONNECTION TO CLAY ELECTRIC FACILITIES ALONG US 27

DRAINAGE
THE PROPOSED STORMWATER MANAGEMENT SYSTEM IS DESIGNED TO MEET SRWMD RULES AND REGULATIONS PROVIDING TREATMENT FOR 2" OF RUNOFF FROM IMPERVIOUS AREAS

LANDSCAPING
REQUIRED LANDSCAPED AREA:
10% OF PARKING AREA = 13,400 SF * 10% = 1,340 SF

LANDSCAPE AREA PROVIDED = 3,800 SF

REQUIRED TREES
1 TREE PER 200 SF OF REQUIRED LANDSCAPED AREA
OF REQUIRED TREES = 1,340 / 200 = 7 TREES

PROVIDED TREES: 7

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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6-24-09

DRAWN BY: BC
APPROVED BY: BC

PACKAGE SHACK

SITE PLAN

CES PROJECT NO: 2009-00
SHEET: 4

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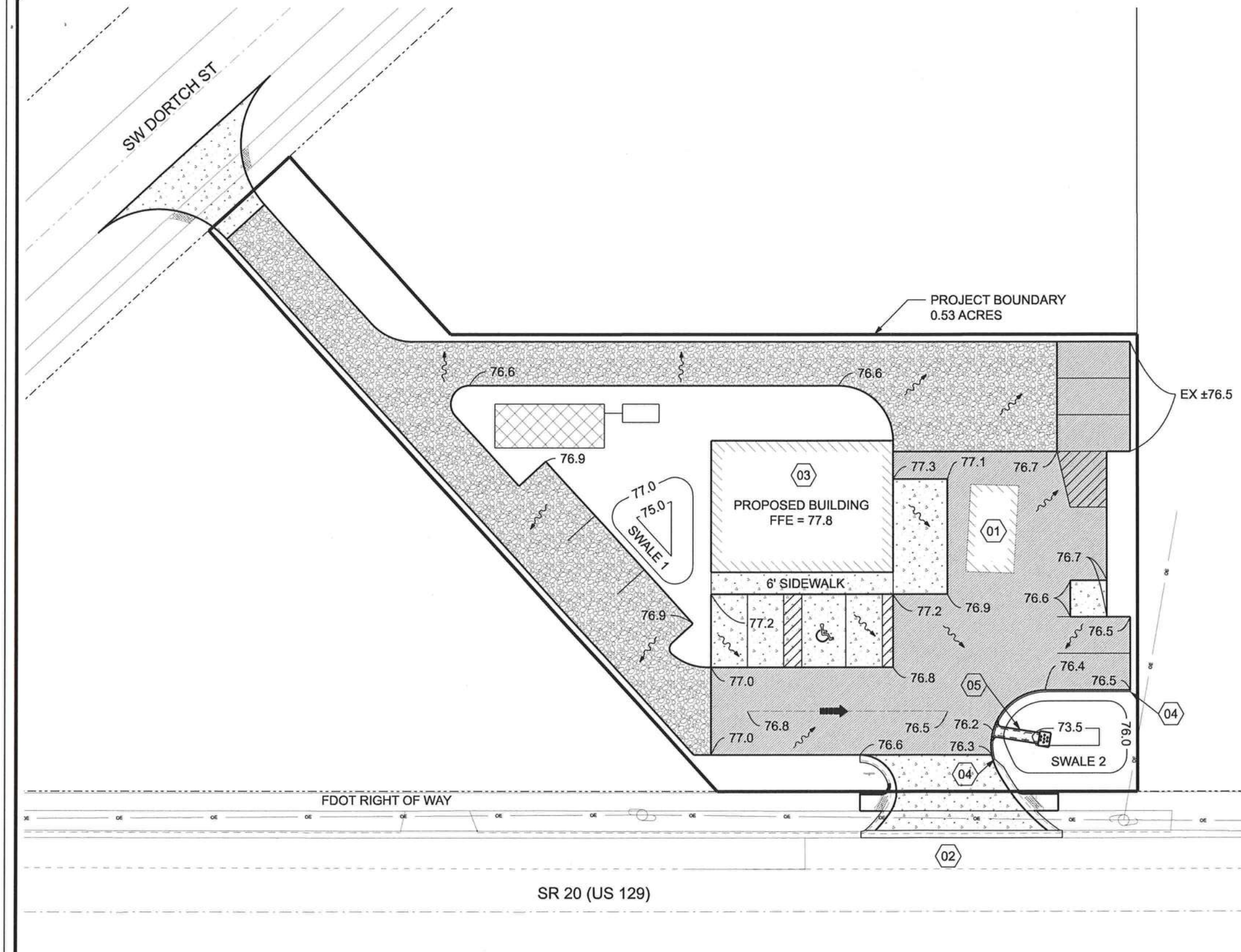

NOTES

01 EXISTING BUILDING, ICE MACHINE

02 ACCESS CONNECTION TO US 27
SEE FDOT ACCESS CONNECTION SHEETS

03 STORMWATER RUNOFF FROM ROOF
SHALL BE ROUTED TO SWALE 1

04 BEGIN/END 6" HEADER CURB, ±60 LF

05 3' WIDE CONCRETE FLUME WITH 6" CURB
PLACE ENERGY DISSIPATION PAD AT BOTTOM

LEGEND

SHEET FLOW

CHANNEL FLOW

76.6 PROPOSED EDGE OF PAVEMENT OR GRAVEL ELEVATION

EX ±76.6 MATCH EXISTING ELEVATION

N

0 6 30

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6-24-09

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PACKAGE SHACK

PAVING AND DRAINAGE PLAN

CES PROJECT NO: 2009-00

SHEET: 5

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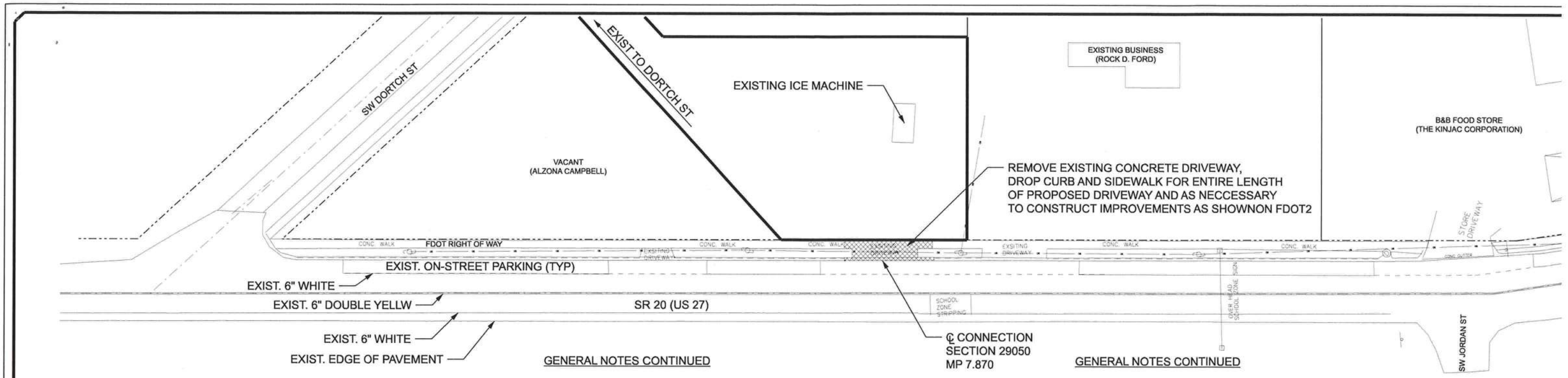


GENERAL NOTES

1. ALL PERMITTED AND PROPOSED WORK AND/OR CONSTRUCTION ON PROPERTY OWNED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SHALL CONFORM TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND DESIGN STANDARDS (CURRENT EDITION), APPROVED COVER LETTER AND GENERAL AND SPECIAL PERMIT PROVISIONS.

2. THE TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE FDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) AND THE FDOT DESIGN STANDARDS (INDEX 17302 & 17346). THIS REQUIREMENT SHALL INCLUDE ALL DRIVEWAY(S) "SPECIAL PAVEMENT MARKINGS" FOR THE ACCESS CONNECTION LYING ON AND OFF FDOT RIGHT-OF-WAY.

3. ALL PERMITTED PAVEMENT STRIPING ASSOCIATED WITH THIS ACCESS PERMIT SHALL REQUIRE CERTIFIED LEAD FREE THERMOPLASTIC MARKING MATERIALS AS THE FINAL PLACEMENT ITEM. TEMPORARY TRAFFIC BEARING PAINT SHALL BE REQUIRED TO BE IN PLACE 30 MINUTES BEFORE OFFICIAL SUNDOWN. TEMPORARY TRAFFIC BEARING PAINTS AND THERMOPLASTIC MARKING MATERIALS SHALL MEET FDOT MINIMUM SPECIFICATIONS FOR NIGHT REFLECTIVITY. TEMPORARY RPM'S SHALL BE INSTALLED DURING TEMPORARY AND PERMANENT STRIPING PHASES.

4. FAILURE BY THE PERMITTEE OR THE CONTRACTOR TO HAVE A CERTIFIED STRIPING CREW ON SITE BEFORE THE START OF PAVING CAN BE REASON TO SUSPEND THE APPROVED PERMIT UNTIL SUCH TIME AS THE PERMITTEE AND/OR THE CONTRACTOR CORRECTS THE SITUATION TO THE SATISFACTION OF THE ON-SITE FDOT PERMITS PERSONNEL/INSPECTOR.

5. ALL PERMITTED ABOVEGROUND SIGNAGE SHALL CONFORM TO FDOT DESIGN STANDARDS (INDEX 11860 AND 17302). ABOVEGROUND POSTED SIGNS AND SIGN BRACKET ATTACHMENTS SHALL BE INSTALLED PRIOR TO THE FINAL DRIVEWAY CONSTRUCTION.

6. MAINTENANCE OF TRAFFIC SHALL CONFORM TO FDOT DESIGN STANDARDS (INDEX 600 AND 615).

GENERAL NOTES CONTINUED

7. ALL AREAS DISTURBED WITHIN FDOT RIGHT-OF-WAY SHALL BE RE SODDED WITH CERTIFIED COASTAL BERMUDA GRASS SOD OR FDOT APPROVED ALTERNATIVE. ALL SOD SHALL BE INSTALLED TO FDOT SATISFACTION BEFORE PAVING CAN COMMENCE. REFER TO THE ATTACHED PERMIT COVER LETTER AND/OR APPROVED SITE PLAN OR PLAN NOTES ON RIGHT-OF-WAY RESTORATION FOR ADDITIONAL PROVISIONS AND OTHER SODDING SPECIFICATIONS.

8. ALL FDOT RIGHT-OF-WAY RESTORATION, GRASS SOD PLACEMENT AND/OR SEEDING AND STRAW MULCH REQUIRED UNDER THIS APPROVED FDOT ACCESS PERMIT SHALL BE IN PLACE AND HAVE RECEIVED A MINIMUM OF TWO(2) WATERINGS AND HAVE RECEIVED A PASSING INSPECTION FOR PERMIT COMPLIANCE ON THIS ITEM BEFORE ANY TYPE OF ASPHALT OR CONCRETE PAVING CAN COMMENCE ON FDOT RIGHT-OF-WAY. BE AWARE, NO PAVING OR CONCRETE POURS CAN COMMENCE UNTIL ALL OF THE ABOVE RESTORATION OVER SAID PROJECT IS COMPLETE.

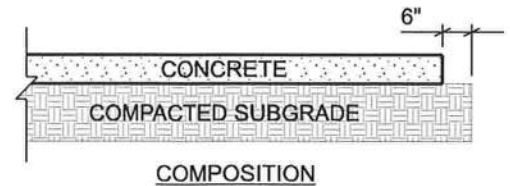
9. THE PERMITTEE OR LEGAL REPRESENTATIVE SHALL CONTACT THE LOCAL FDOT MAINTENANCE PERMITS OFFICE, HAVING JURISDICTION OVER THIS APPROVED PERMIT, A MINIMUM OF 48 HOURS IN ADVANCE OF THE PLANNED ACTIVATION OF THIS ACCESS PERMIT FOR THE EXPLICIT PURPOSE OF SCHEDULING THE MANDATORY PRE-CONSTRUCTION MEETING WITH ALL PARTIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT. CONTACT CAN BE MADE BY CALLING 386-961-7180 OR 7193 OR 7148 TUESDAY THROUGH FRIDAY, 7:00 A.M. TO 5:00 P.M. FAILURE ON THE PERMITTEE OR THE CONSTRUCTION CONTRACTOR'S PART TO MAKE ADVANCED CONTACT TO SCHEDULE A MUTUALLY AGREED UPON PRE-CONSTRUCTION MEETING SHALL BE REASON FOR SUSPENSION OF THE APPROVED FDOT ACCESS PERMIT.

10. MILL AND RESURFACE AS REQUIRED TO PROVIDE SMOOTH INTERSECTION OF STATE ROAD AND PROPOSED DRIVEWAY CONNECTION.7. THE CONTRACTOR SHALL OBTAIN THREE (3) DENSITY TESTS ACCORDING TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. LIME ROCK SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T180. A COPY OF ALL REQUIRED DENSITY TEST RESULTS SHALL BE DELIVERED TO THE FDOT LAKE CITY MAINTENANCE, ACCESS PERMITS OFFICE. NO PAVING OPERATIONS SHALL COMMENCE PRIOR TO THIS SUBMITTAL AND ALL OF THE MINIMUM FDOT SPECIFICATIONS HAVE BEEN MET.

GENERAL NOTES CONTINUED

11. IF A DRAINAGE CONNECTION HAS BEEN PERMITTED AND IS REQUIRED AS A PROVISION OF THE APPROVED FDOT SITE PLAN AND A PHYSICAL CONNECTION TO AN EXISTING FDOT STRUCTURE IS REQUIRED, THE ENTRY SHALL BE MADE BY SMOOTH CORE METHOD ONLY, WITH A MAXIMUM 0.500 INCH OVERBORE. THE PERMITTEE SHALL MAKE ADVANCED PREPARATIONS TO HAVE THE FDOT PERMIT INSPECTOR ON SITE AT THE TIME OF CONSTRUCTING THE ENTRY TO ENSURE A WATER TIGHT SEAL IS MADE TO FDOT STANDARDS. THIS PHASE OF THE PROJECT CAN NOT COMMENCE WITHOUT AN FDOT INSPECTOR ON SITE.

12. FAILURE TO ABIDE BY THE ATTACHED GENERAL AND SPECIAL PERMIT PROVISIONS, AS WELL AS THE ATTACHED COVER LETTER (A LEGAL PART OF THE PERMIT), SHALL BE REASON TO SUSPEND ANY OR ALL FDOT APPROVED PERMITTED ACTIVITIES UNTIL SUCH TIME THAT THE SITUATION HAS BEEN CORRECTED TO FDOT SATISFACTION.



COMPOSITION

8" (MIN) 3000 PSI FDOT CLASS 1 CONCRETE WITH WIRE MESH
12" COMPACTED SUBGRADE

SUBGRADE SHALL BE COMPACTED TO
100% MAXIMUM DENSITY
AS ESTABLISHED BY AASHTO T-99

DESIGN SPEED = 25 MPH

FDOT ACCESS CONNECTION PAVEMENT SECTION
NTS

N

0 8

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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Brett A. Crews, P.E. 65592
6-24-09

DRAWN BY: BC
APPROVED BY: BC

PACKAGE SHACK

FDOT ACCESS CONNECTION EXISTING CONDITIONS AND GENERAL NOTES

CES PROJECT NO. 2009-00
SHEET: FDOT

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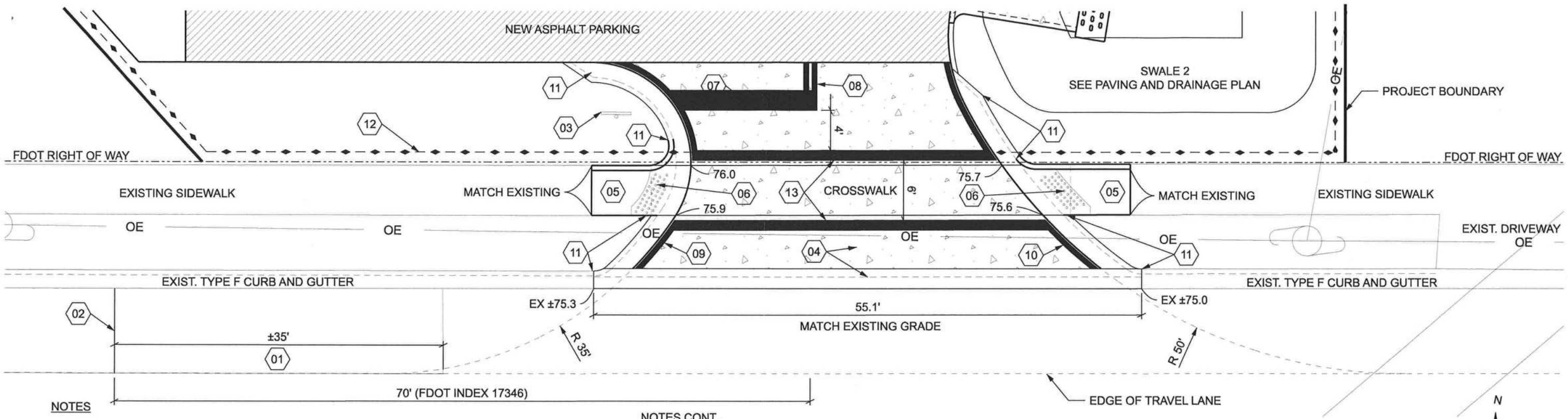


NOTES

(01) EXISTING PARKING STRIPING/MARKINGS TO BE ROMOVED (100' WEST AND 70' EAST OF CENTER OF NEW DRIVEWAY)

(02) 6" WHITE, ±8'

(03) 30" X 30" FDOT R1-1 "STOP" SIGN FDOT INDEX 11860 AND 17302 25 MPH DESIGN SPEED

(04) CONSTRUCT CONCRETE DRIVEWAY, FDOT INDEX 515 AND DROP CURB, FDOT INDEX 300

(05) CONSTRUCT SIDEWALK CURB RAMP, CR 21 FDOT INDEX 304 REMOVE AND REPLACE EXISTING CONCRETE SIDEWALK TO NEAREST JOINT BEYOND PROPOSED CONSTRUCTION (TYP BOTH SIDES)

NOTES CONT.

(06) DETECTABLE WARNING MARKINGS FDOT INDEX 304

(07) 24" WHITE STOP BAR, ±20 LF

(08) 6" DOUBLE YELLOW, ±4 LF

(09) 6" WHITE, ±26 LF

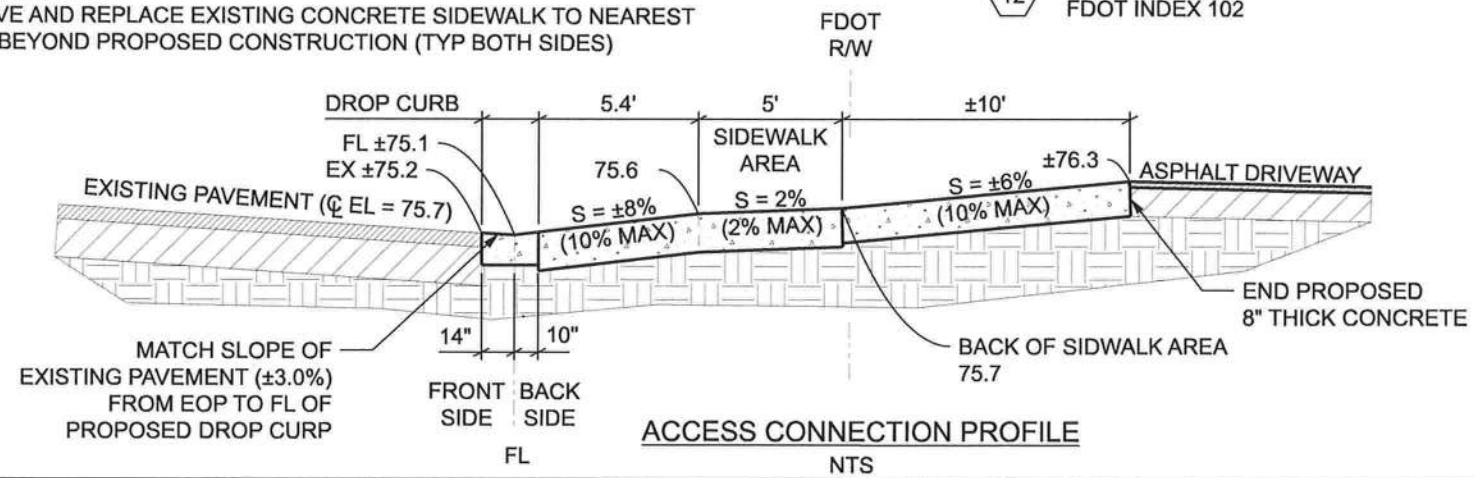
(10) 6" WHITE, ±24 LF

(11) BEGIN / END TYPE F CURB AND GUTTER, ±32 LF FDOT INDEX 300

(12) SILT FENCE, SEE SITE PLAN FDOT INDEX 102

NOTES CONT.

(13) 12" WHITE CROSSWALK STRIPING, ± 80 LF (TOTAL) FDOT INDEX 17346



ACCESS CONNECTION PROFILE

NTS

CONCRETE CONSTRUCTION NOTES:

1. WHEN FORMING UP NEW CONCRETE DROP CURB AND AS THE MAIN CONCRETE DRIVEWAY SLAB, SPECIAL ATTENTION MUST BE GIVEN TO MAKE ENSURE THE BACK SIDE OF PROPOSED DROP CURB SECTION DOES NOT EXCEED A MAXIMUM 10% GRADE SLOPE.

   ONCE THE DROP CURB GRADE SLOPE IS FORMED AND CHECKED FOR COMPLIANCE, THE NEW MAIN DRIVEWAY SLAB SHALL BE FORMED ON THE SAME GRADE AS THE BACK SLOPE OF THE PROPOSED DROP CURB.

   THE PROPOSED DRIVEWAY SLAB AND DROP CURB SHALL BE POURED AT SEPARATE TIMES. SPECIAL ATTENTION MUST BE GIVEN TO ENSURE THE THE MAIN DRIVEWAY SLAB AND BACKSIDE OF THE PROPOSED DROP CURB DO NOT EXCEED A MAXIMUM 10% GRADE SLOPE. THIS SECTION SHOULD BEGIN AT THE FLOWLINE OF THE PROPOSED DROP CURB STRUCTURE AND END AT THE FRONT PROPOSED SIDEWALK AREA. THIS SECTION SHALL CONSIST OF A STRAIGHT GRADE SLOPE BETWEEN THESE TWO POINTS.

   THE DRIVEWAY GRADE SLOPE WITHIN THE PROPOSED SIDEWALK AREA MUST NOT EXCEED 2% (ADA REQUIREMENT).

   FAILURE OF THE PERMITTEE'S CONCRETE CONTRACTOR TO MEET THE 10% AND 2% MAXIMUM GRADE SLOPE REQUIREMENTS SHALL BE REASON TO REQUIRE THE CONCRETE CONNECTION TO BE REMOVED AND RECONSTRUCTED IN ACCORDANCE WITH THESE FDOT PERMIT PROVISIONS.

2. PEAT GRAVEL AND GLASS FIBER CONCRETE MIXES SHALL NOT TO BE USED FOR FDOT ACCESS CONNECTIONS.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
6-23-09	BC	ADDED CROSSWALK AND NOTES			

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PACKAGE SHACK

FDOT ACCESS CONNECTION NOTES AND DETAILS

CES PROJECT NO.: 2009-006

SHEET: FDOT2

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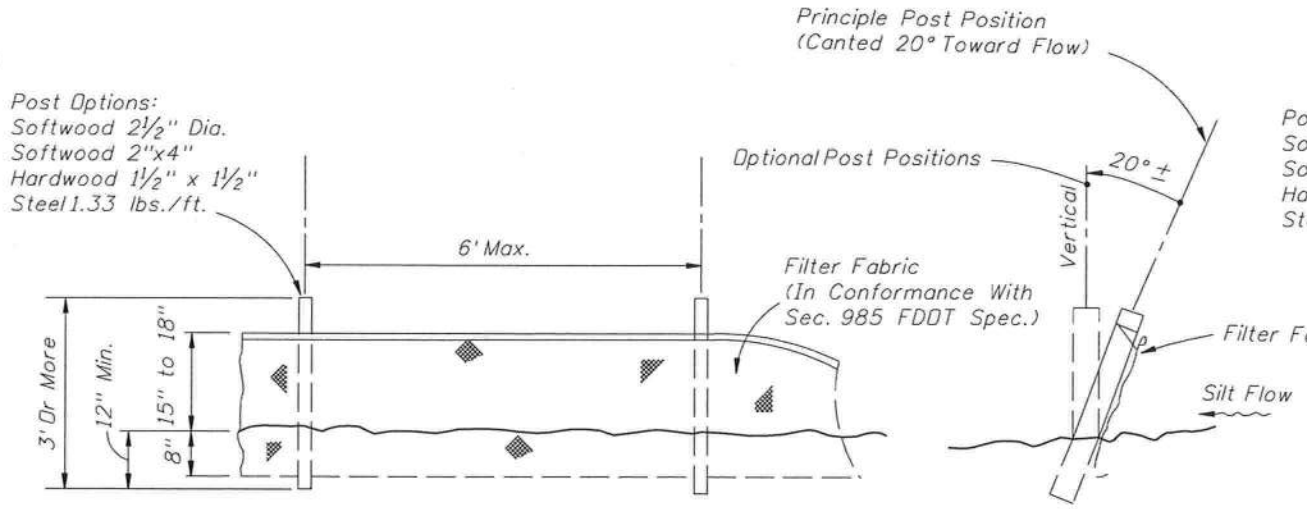
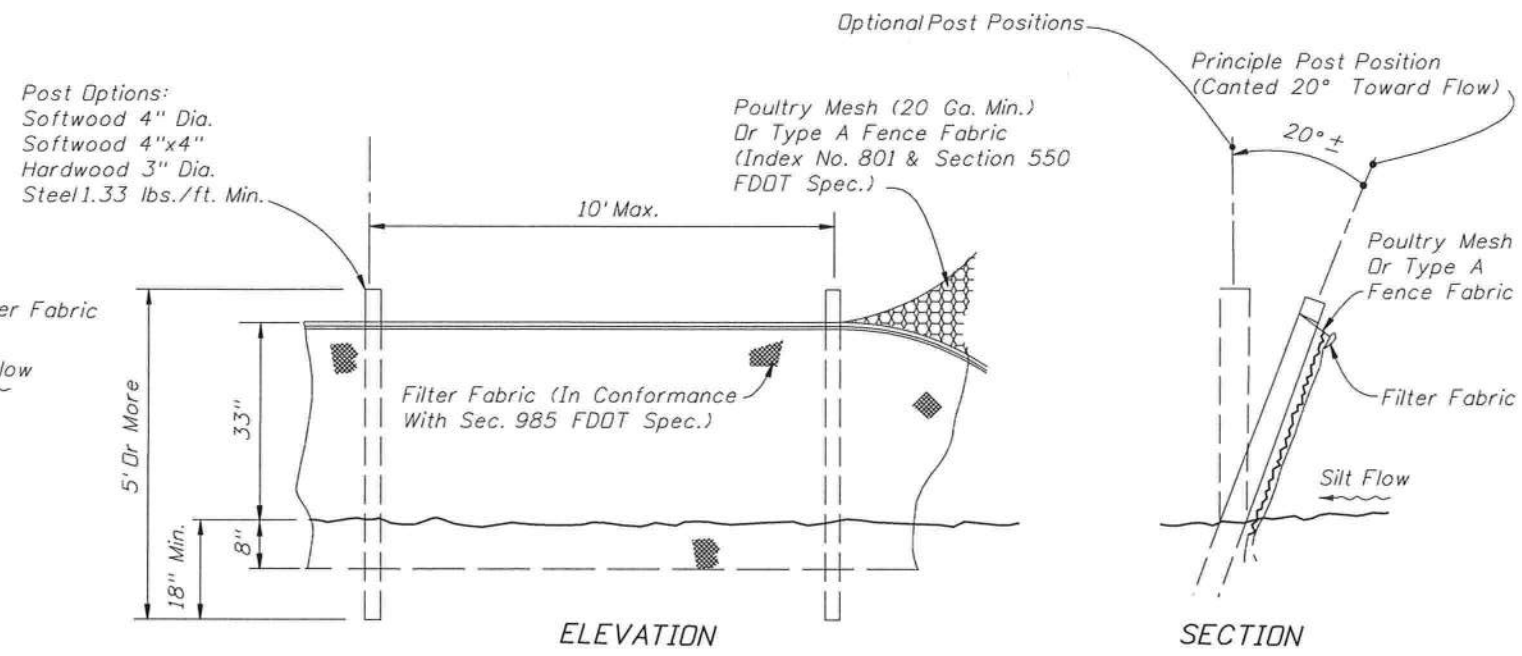
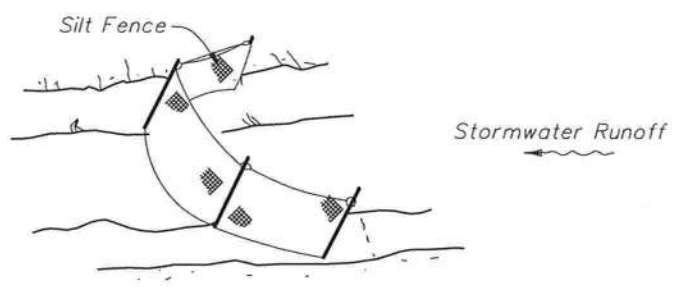


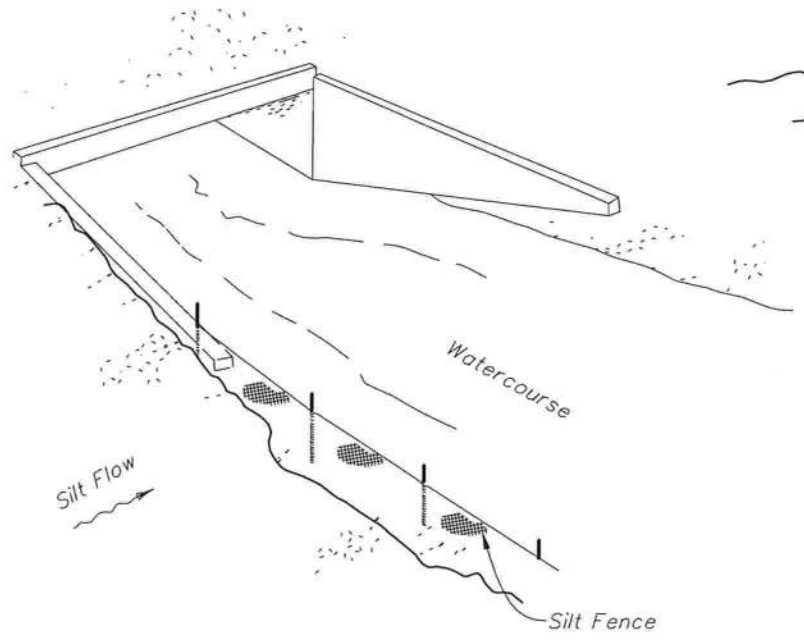
TYPE III SILT FENCE

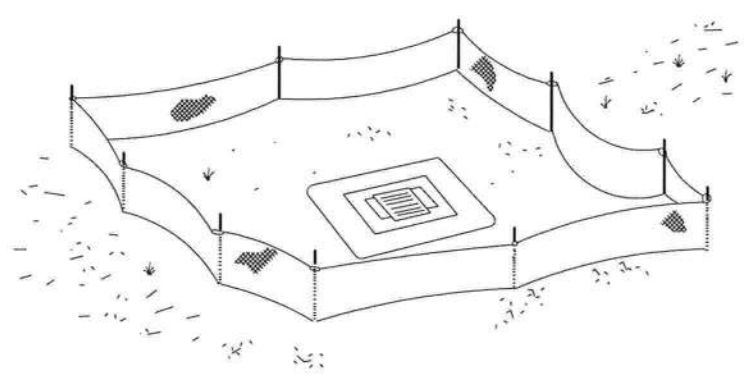


TYPE IV SILT FENCE



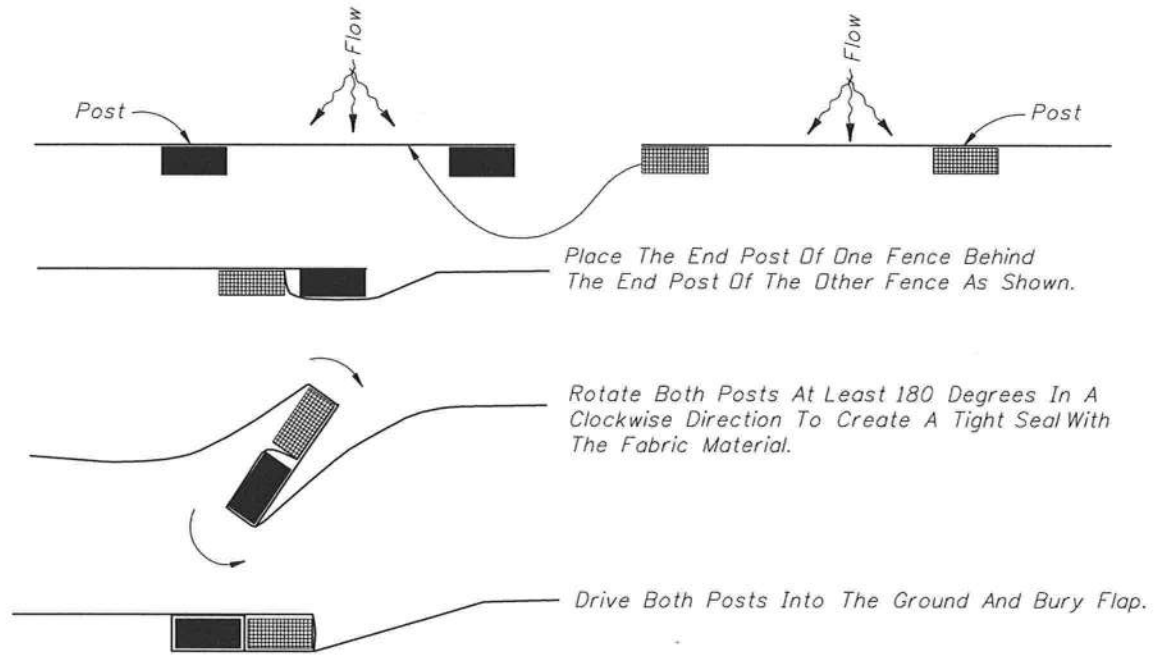
Silt Fence Protection In
Ditches With Intermittent Flow





Silt Fence Protection
Around Ditch Bottom Inlets

SILT FENCE APPLICATIONS

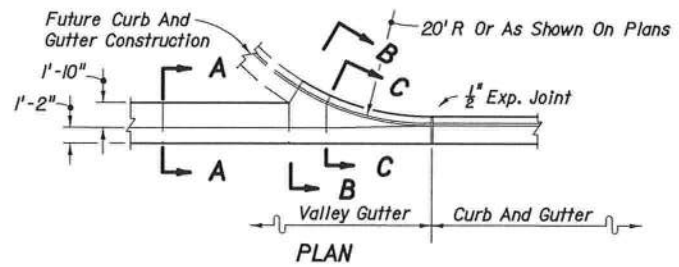


PLAN VIEW

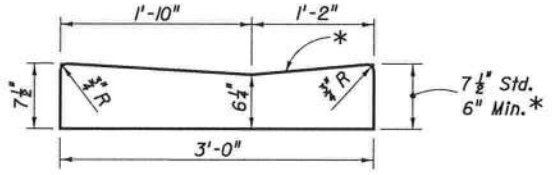
JOINING TWO SILT FENCES

NOTES FOR SILT FENCES

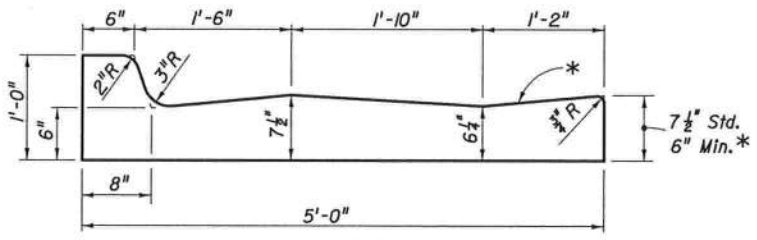
1. Type III Silt Fence to be used at most locations. Where used in ditches, the spacing for Type III Silt fence shall be in accordance with Chart 1, Sheet 1.
2. Type IV Silt Fence to be used where large sediment loads are anticipated. Suggested use is where fill slope is 1:2 or steeper and length of slope exceeds 25 feet. Avoid use where the detained water may back into travel lanes or off the right of way.
3. Do not construct silt fences across permanent flowing watercourses. Silt fences are to be at upland locations and turbidity barriers used at permanent bodies of water.
4. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
5. Silt Fence to be paid for under the contract unit price for Staked Silt Fence, (LF).



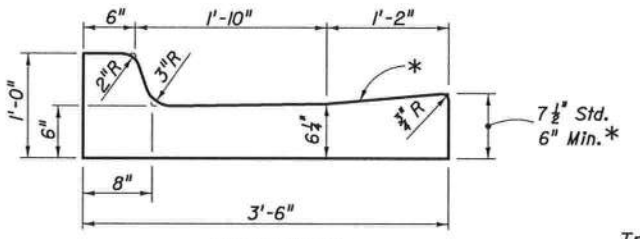
PLAN



SECTION AA

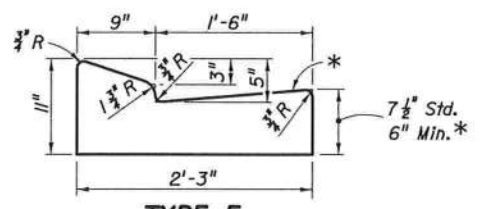


SECTION BB

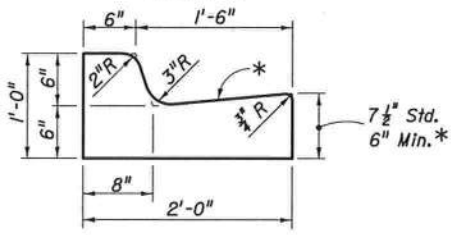


SECTION CC

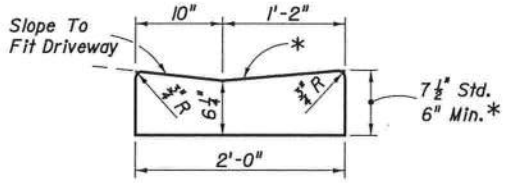
VALLEY GUTTER



TYPE E

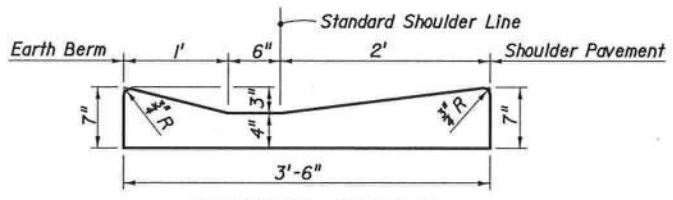


TYPE F

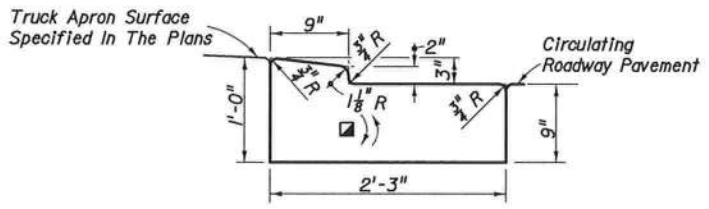


Note: To be paid for as parent curb.

DROP CURB



SHOULDER GUTTER



TRAFFIC BEARING SECTION FOR USE IN ROUNDABOUT CENTRAL ISLAND CONSTRUCTION

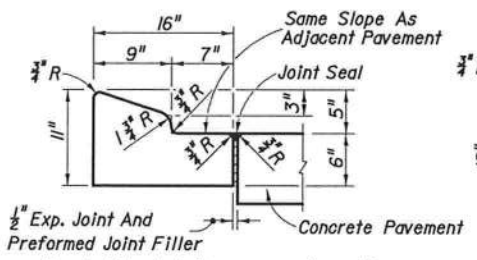
TYPE RA

* When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement. The thickness of the lip shall be 6", unless otherwise shown on plans.

◪ Rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.

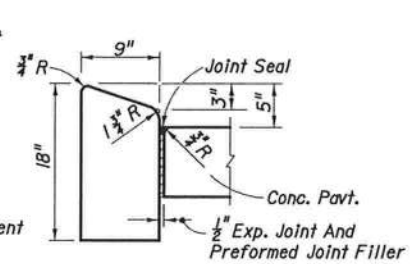
Note: For use adjacent to concrete or flexible pavement. For details depicting usage adjacent to flexible pavement, see diagram right. Expansion joint, preformed joint filler and joint seal are required between curb & gutter and concrete pavement only, see diagram right.

CONCRETE CURB AND GUTTER

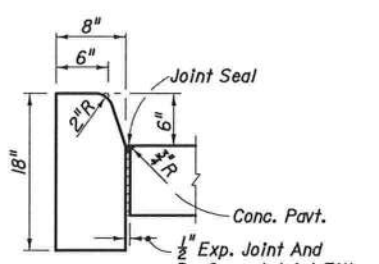


For details depicting usage adjacent to flexible pavement, see diagram right.

TYPE A



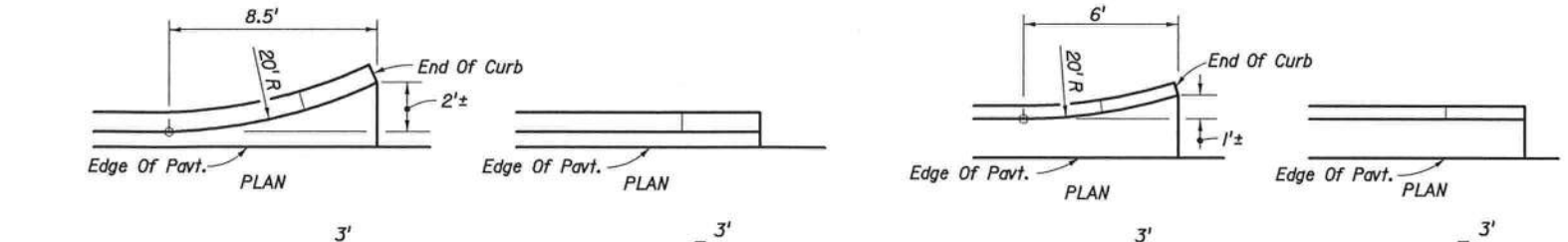
TYPE B



TYPE D

Note: For use adjacent to concrete or flexible pavement, concrete shown. Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see diagram right.

CONCRETE CURB

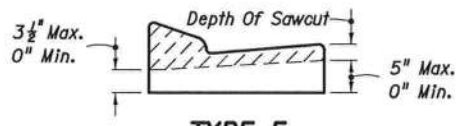


FLARED END | STRAIGHT END | FLARED END | STRAIGHT END

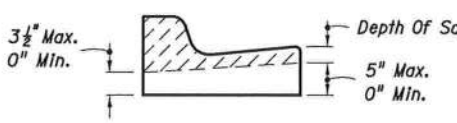
CURB TYPE A

CURB AND GUTTER TYPES E & F

CURB AND GUTTER ENDINGS



TYPE E



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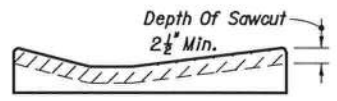
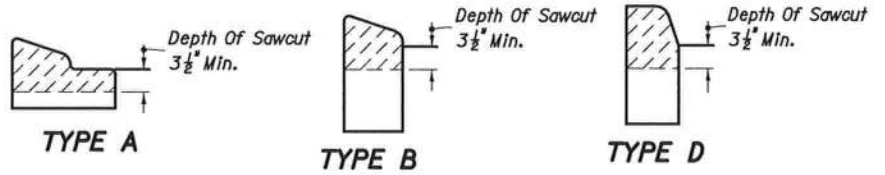


SHOULDER GUTTER

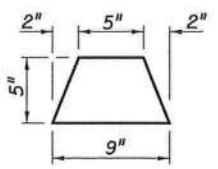
Sawcuts should be avoided within valley gutter and within curb and gutter endings.

CONTRACTION JOINT IN CURB AND GUTTER

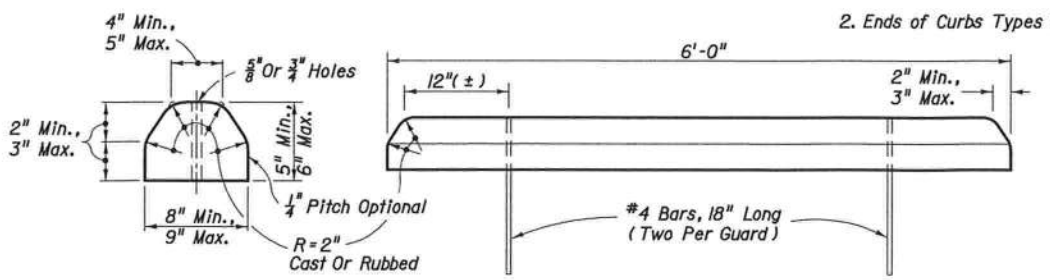


TYPE A | TYPE B | TYPE D

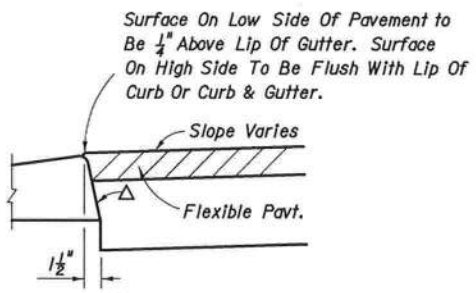
CONTRACTION JOINT IN CURB



ASPHALTIC CONCRETE CURB

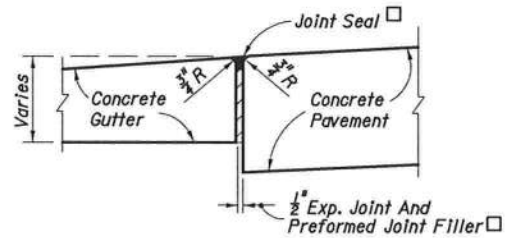


CONCRETE BUMPER GUARD



△ Applies to both high and low sides of pavement, low side shown. Applies to shoulder gutter only where adjoining traffic lanes.

CURB AND GUTTER AND TYPE A CURB ADJACENT TO FLEXIBLE PAVEMENT



□ Applies to both high and low sides of pavement, low side shown.

EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT

GENERAL NOTES

1. For curb, gutter and curb & gutter provide 1/8" - 1/4" contraction joints at 10' centers (max.). Contraction joints adjacent to concrete pavement on tangents and flat curves are to match the pavement joints, with intermediate joints not to exceed 10' centers. Curb, gutter and curb & gutter expansion joints shall be located in accordance with Section 520 of the standard specifications.

2. Ends of Curbs Type B and D shall transition from full to zero heights in 3'.

2008 FDOT Design Standards

CURB & CURB AND GUTTER

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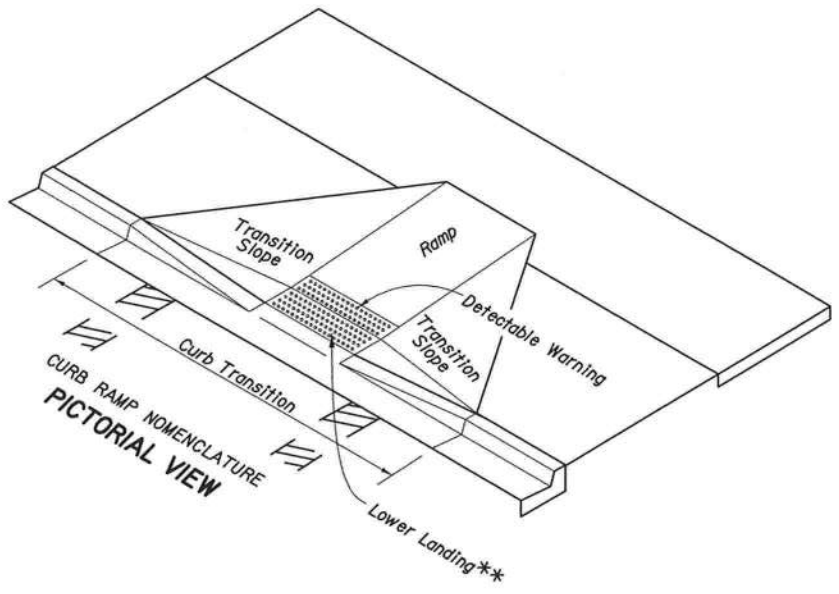
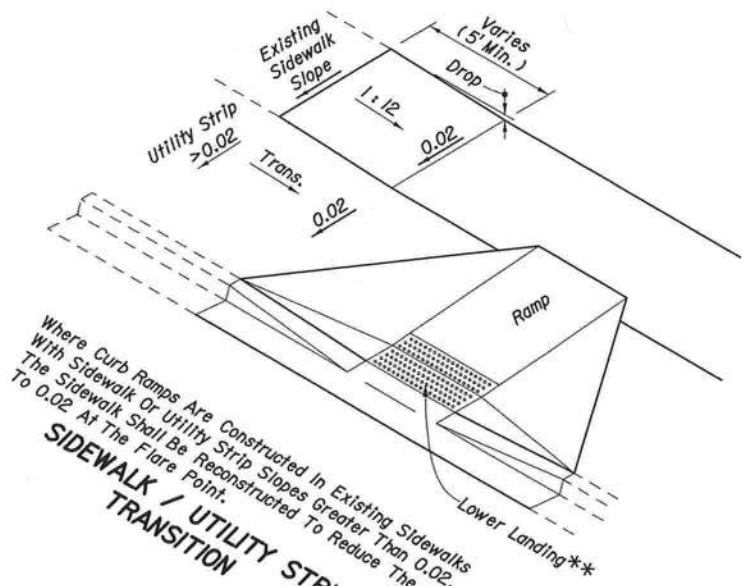


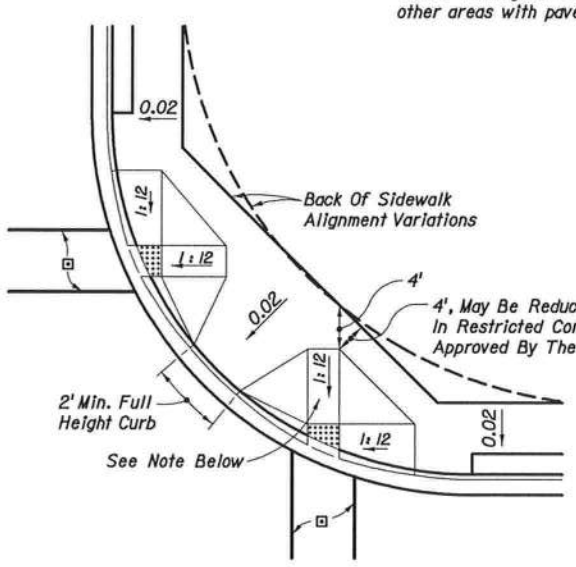
CURB RAMP NOMENCLATURE
PICTORIAL VIEW

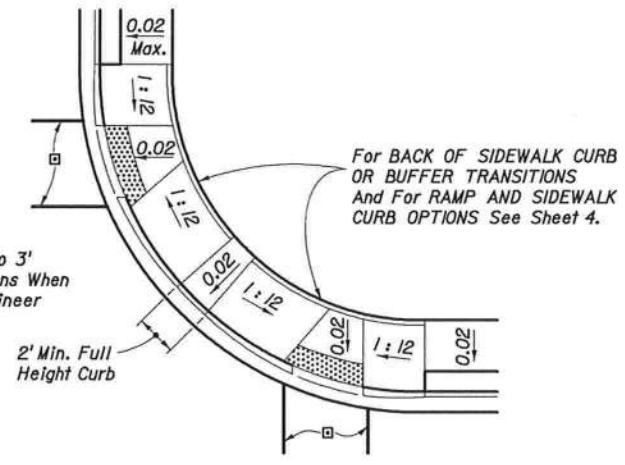
**Lower landing not required at driveways, parking lots, or other areas with pavement cross-slopes less than 2% (0.02).



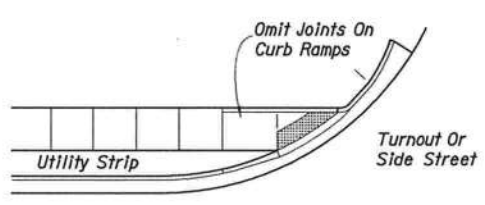
Where Curb Ramps Are Constructed In Existing Sidewalks With Sidewalk Or Utility Strip Slopes Greater Than 0.02, The Sidewalk Shall Be Reconstructed To Reduce The Slopes To 0.02 At The Flare Point.

SIDEWALK / UTILITY STRIP TRANSITION





Note: A portion of one or both ramps may extend outside the return.



LINEAR SIDEWALK RAMPS

Note:
When crosswalk markings are required, ramp runs must fall within crosswalk limits and where practical, be parallel with the projected crosswalk alignment. The bottom of the ramp beyond the curb line shall have a clear space 48" minimum within the markings of a marked crosswalk. If no crosswalk markings are present, the bottom of the ramp beyond the curb ramp shall have a clear space 48" minimum outside active traffic lanes.

⊡ Crosswalk widths and configuration vary; must conform to Index No. 17344 and 17346.

GENERAL NOTES

1. Public sidewalk curb ramps shall be constructed in the public right of way at locations that will provide continuous unobstructed pedestrian circulation paths to pedestrian areas, elements and facilities in the public right of way and to accessible pedestrian routes on adjacent sites. Curbed facilities with sidewalks and those without sidewalks are to have curb ramps constructed at all street intersections and at turnouts that have curbed returns. Partial curb returns shall extend to the limit prescribed by Index No. 515 to accommodate curb ramps. Ramps constructed at locations without sidewalks shall have a landing constructed at the top of each ramp, see Sheet 5.

2. The location and orientation of curb ramps shall be as shown in the plans.

3. Curb ramp running slopes at unrestrained sites shall not be steeper than 1:12 and cross slope shall be 0.02 or flatter. Transition slopes shall not be steeper than 1:12.

   When altering existing pedestrian facilities where existing site development precludes the accommodation of a ramp slope of 1:12, a running slope between 1:12 and 1:10 is permitted for a rise of 6" maximum and a running slope of between 1:10 and 1:8 is permitted for a rise of 3" maximum. Where compliance with the requirements for cross slope cannot be fully met, the minimum feasible cross slope shall be provided.

   Ramp running slope is not required to exceed 8' in length, except at sites where the plans specify a greater length.

4. If a curb ramp is located where pedestrians must walk across the ramp, then the walk shall have transition slopes to the ramp; the maximum slope of the transitions shall be 1:12. Ramps with curb returns may be used at locations where other improvements provide guidance away from that portion of curb perpendicular to the sidewalk; improvements for guidance are not required at curb ramps for linear pedestrian traffic.

5. Curb ramp detectable warning surfaces shall extend the full width of the ramp and 24" from the back of curb. Detectable warning surfaces shall be constructed in accordance with Specification 527. See Sheet 6 of 6 for detectable warning layouts. Transition slopes are not to have detectable warnings.

6. Where a curb ramp is constructed within existing curb, curb and gutter and/or sidewalk, the existing curb or curb and gutter shall be removed to the nearest joint beyond the curb transitions or to the extent that no remaining section of curb or curb and gutter is less than 5' long. The existing sidewalk shall be removed to the nearest joint beyond the transition slope or walk around or to the extent that no remaining section of sidewalk is less than 5' long. For details of Concrete Sidewalk See Index 310.

7. Alpha-numeric identifications are for reference (plans, permits, etc.).

8. Public sidewalk curb ramps are to be paid for as follows:
   Ramps, reconstructed sidewalks, walk around sidewalks, sidewalk landings and sidewalk curbs are to be paid for under the contract unit price for Sidewalk Concrete, (__" Thick), SY. Curb transitions and reconstructed curbs are to be paid for under the contract unit price for the parent curb, i.e., Curb Conc., (Type __), LF or Curb and Gutter Conc., (Type __), LF.

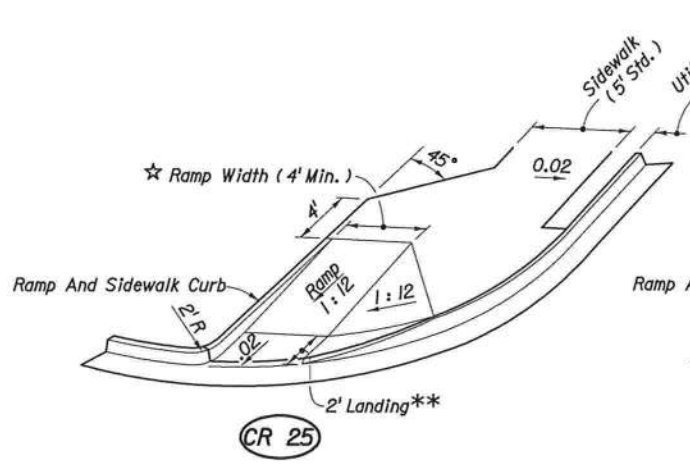
   When a separate pay item for the removal and disposal of existing curb, curb and gutter, and/or sidewalk is not provided in the plans, the cost of removal and disposal of these features shall be included in the contract unit price for new curb, curb and gutter and/or sidewalk respectively.

9. Acceptance Criteria for Detectable Warnings:
   (a) The ramp detectable warning surface shall be complete and uniform in color and texture
   (b) 90% of the individual truncated domes must comply with the design criteria
   (c) There may be no more than 4 non-complying domes in any one square foot of surface
   (d) No two adjacent domes may be non-compliant
   (e) Surface may not deviate more than 0.10" from a true plane

10. All sidewalk surfaces, ramp surfaces, and landings with a cross slope shown in this index to be 0.02 shall be 0.02 maximum. All ramp surfaces and ramp transition slopes with a slope shown in this index to be 1:12 shall be 1:12 maximum.

TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	2008 FDOT Design Standards	Last Revision 07/01/07	Sheet No. 1 of 6
	PUBLIC SIDEWALK CURB RAMPS		Index No. 304



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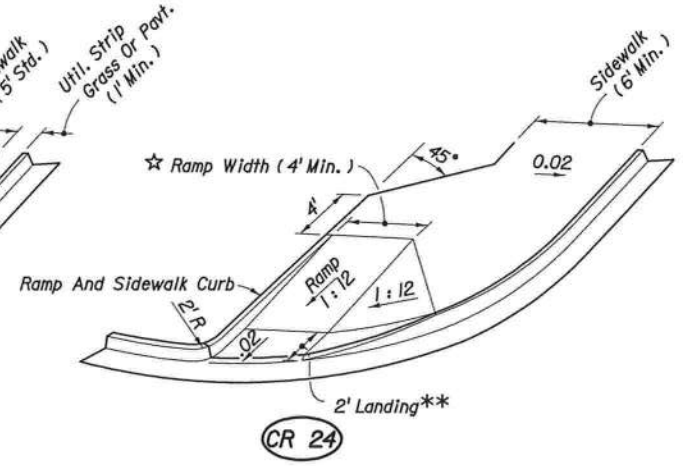

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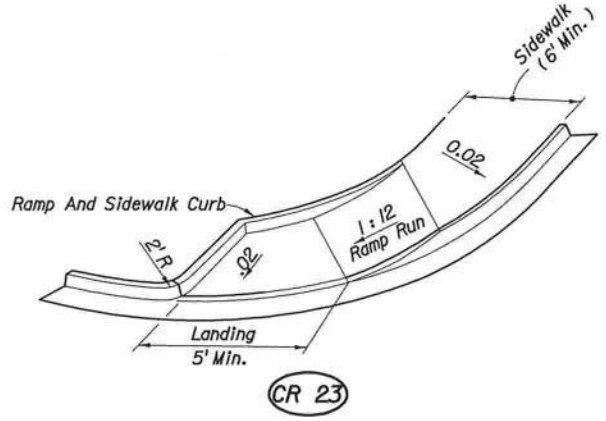

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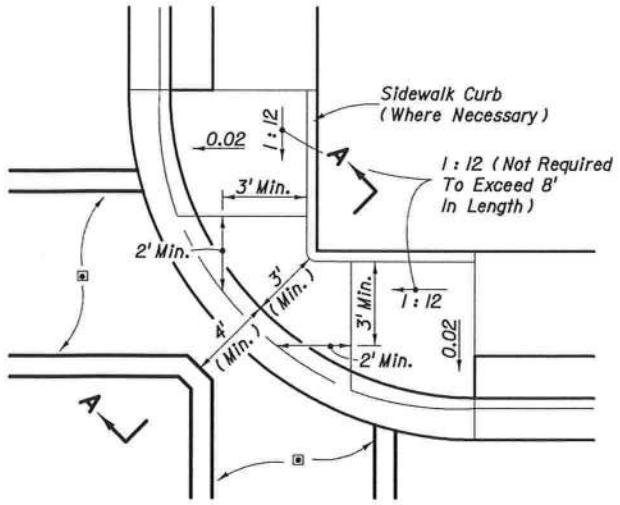
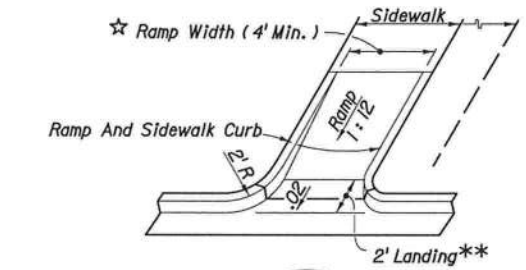


▣ Crosswalk width and configuration vary; must conform to Index No. 17344 and 17346.

PLAN



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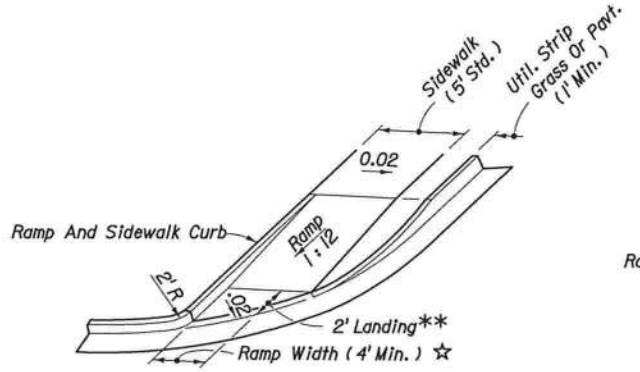

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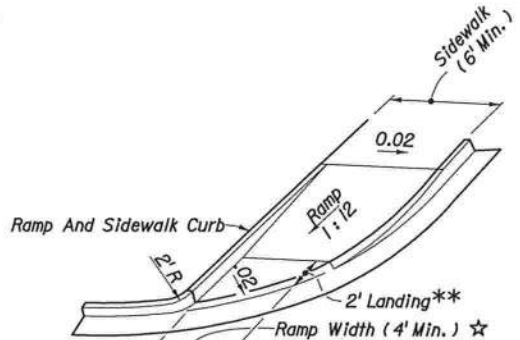

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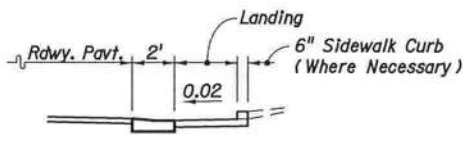


SECTION AA

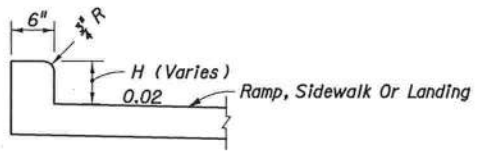
CR 26

DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS FOR LINEAR PEDESTRIAN TRAFFIC

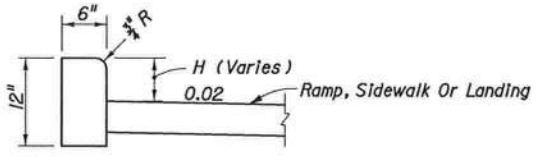
DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK COMBINED CORNER RAMPS UNDER CONDITIONS OF INFEASIBILITY

☆ Ramp Widths For Curb Ramps CR 20, CR 21, CR 22, CR 24, and CR 25 May Be Reduced To 3' Min. In Restricted Conditions When Approved By The Engineer.

**Lower landing not required at driveways, parking lots, or other areas with pavement cross-slopes less than 2% (0.02).

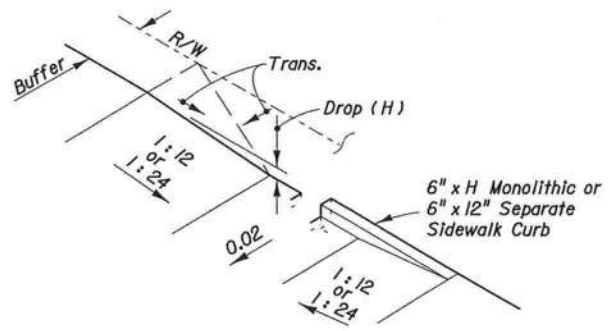


MONOLITHIC CAST CURB



SEPARATELY CAST CURB

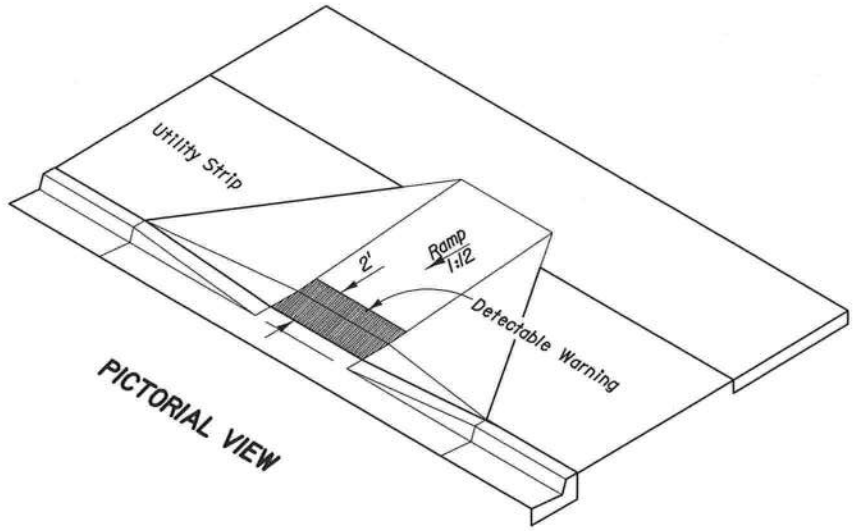
RAMP AND SIDEWALK CURB OPTIONS



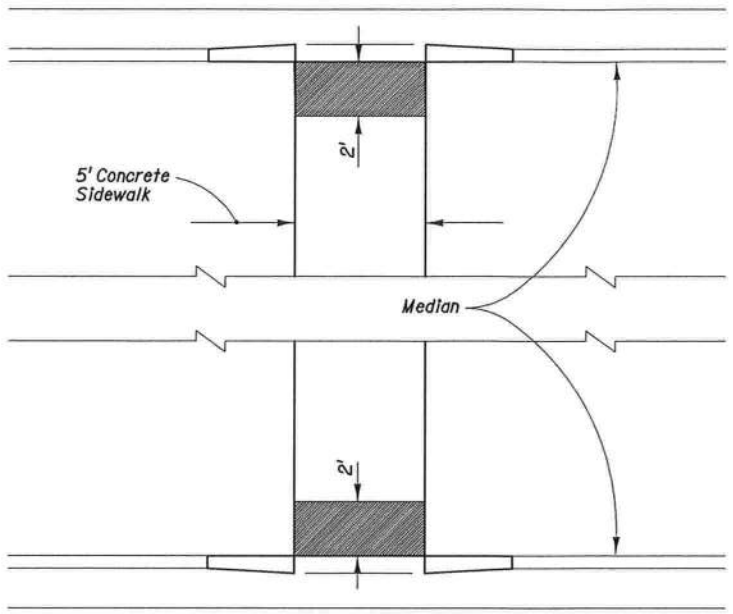
Construct Sidewalk Curb In Absence Of Adequate Buffer, Maintainable Surface Contour, Abuting Structure, Or When Called For In The Plans Or Standards

BACK OF SIDEWALK CURB OR BUFFER TRANSITION

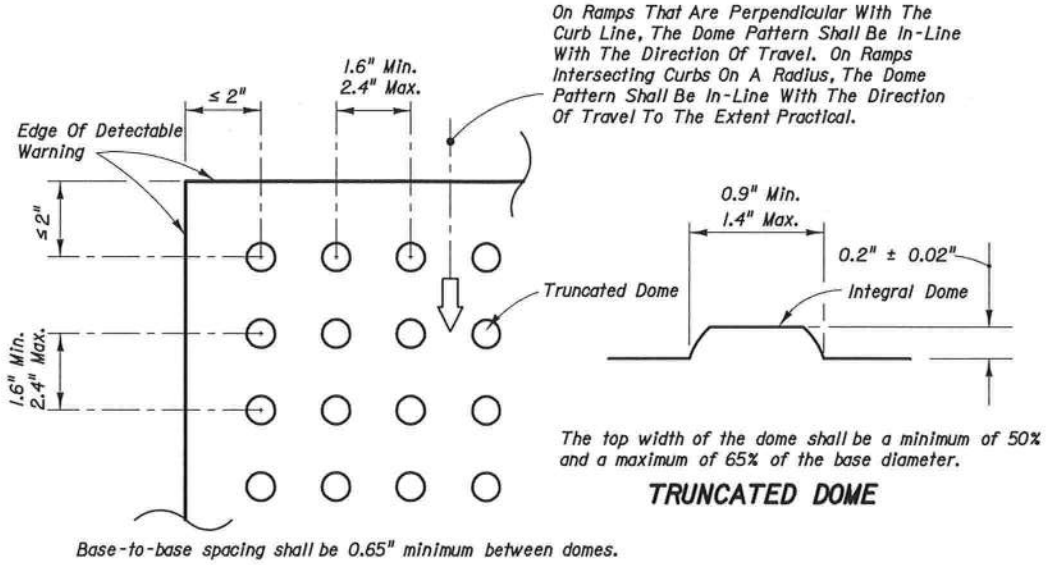
	2008 FDOT Design Standards	Last Revision	Sheet No.
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	PUBLIC SIDEWALK CURB RAMPS	07/01/07	4 of 6
		Index No.	304



PICTORIAL VIEW



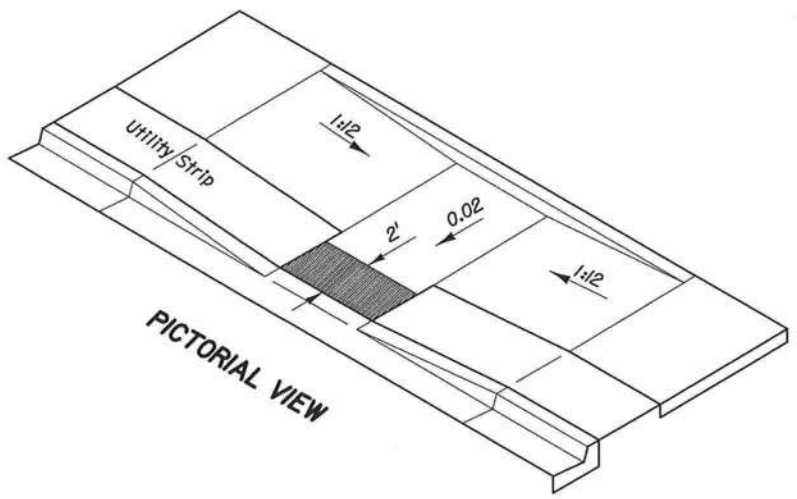
PLAN



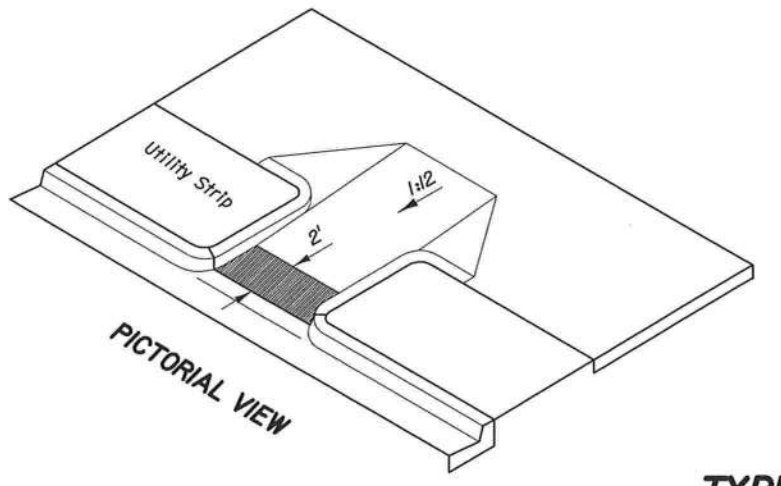
PLAN VIEW

All Sidewalk Curb Ramps Shall Have Detectable Warning Surfaces That Extend The Full Width Of The Ramp And In The Direction Of Travel 24 Inches (610 mm) From The Back Of Curb.

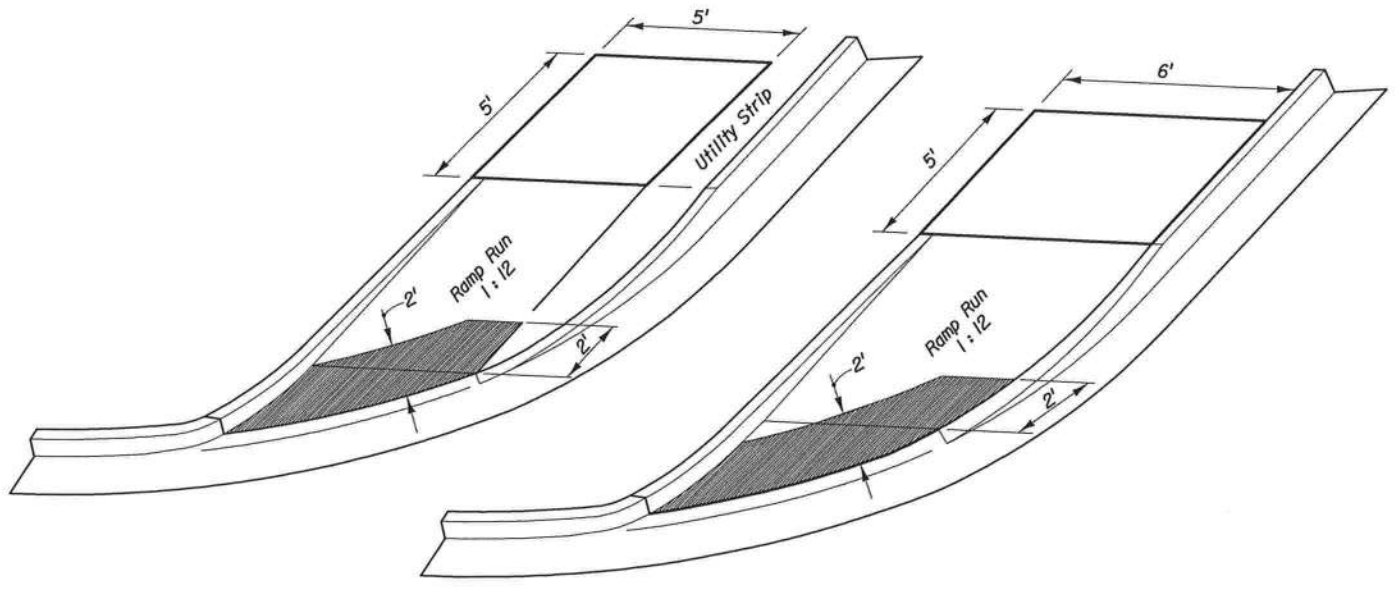
CURB RAMP DETECTABLE WARNING DETAIL



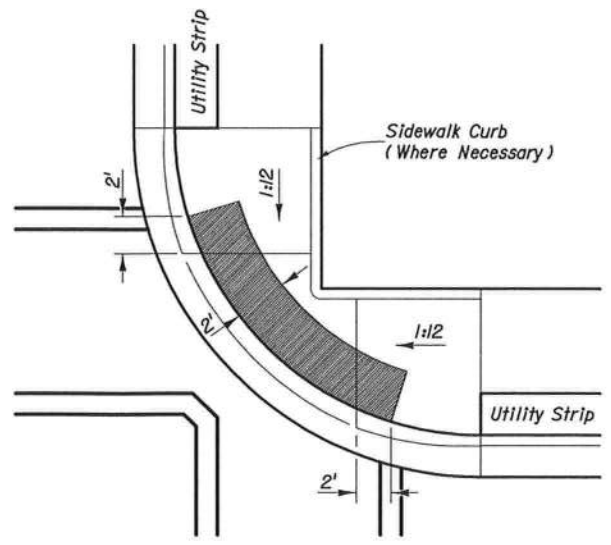
PICTORIAL VIEW



PICTORIAL VIEW



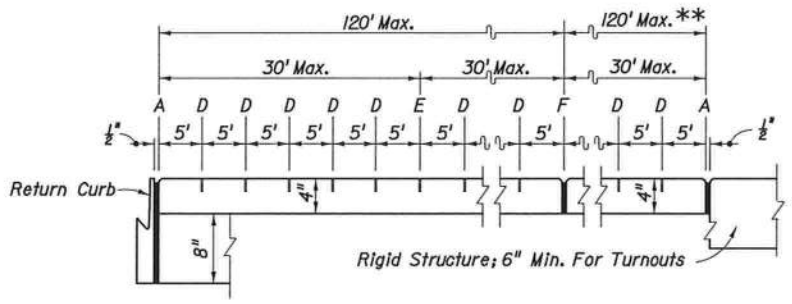
PICTORIAL VIEWS



PLAN

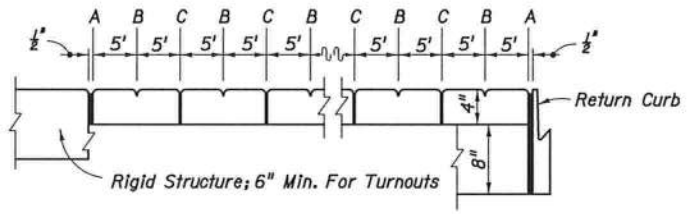
TYPICAL PLACEMENT OF DETECTABLE WARNING ON CURB RAMPS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	2008 FDOT Design Standards	Last Revision 07/01/07	Sheet No. 6 of 6
	PUBLIC SIDEWALK CURB RAMPS		Index No. 304



**"E" Joint(s) Required When Length Exceeds 30'

SAWED JOINTS



OPEN JOINTS

EXAGGERATED SCALE

LONGITUDINAL SECTION

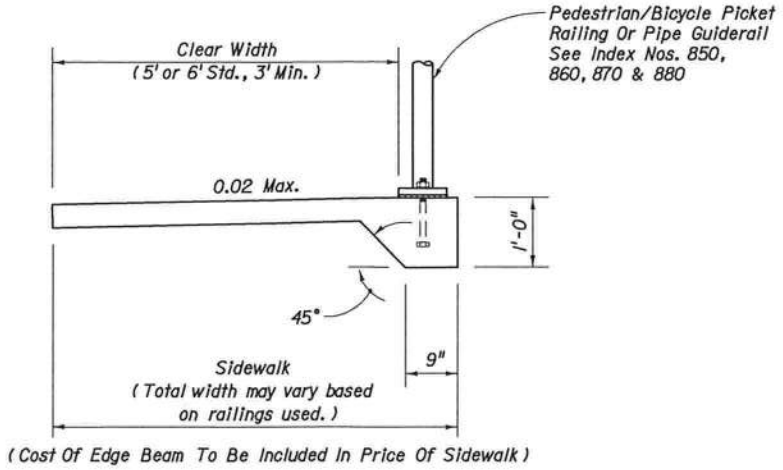
SIDEWALK JOINTS

JOINT LEGEND

- A- ½" Expansion Joints (Preformed Joint Filler)
- B- ⅛" Dummy Joints, Tooled
- C- ⅛" Formed Open Joints
- D- 3/8" Saw Cut Joints, 1½" Deep (96 Hour) Max. 5' Centers
- E- 3/8" Saw Cut Joints, 1½" Deep (12 Hour) Max. 30' Centers
- F- ½" Expansion Joint When Run Of Sidewalk Exceeds 120'. Intermediate locations when called for in the plans or at locations as directed by the Engineer.
- G- Cold Joint With Bond Breaker, Tooled

NOTES FOR CONCRETE SIDEWALK ON CURBED ROADWAYS

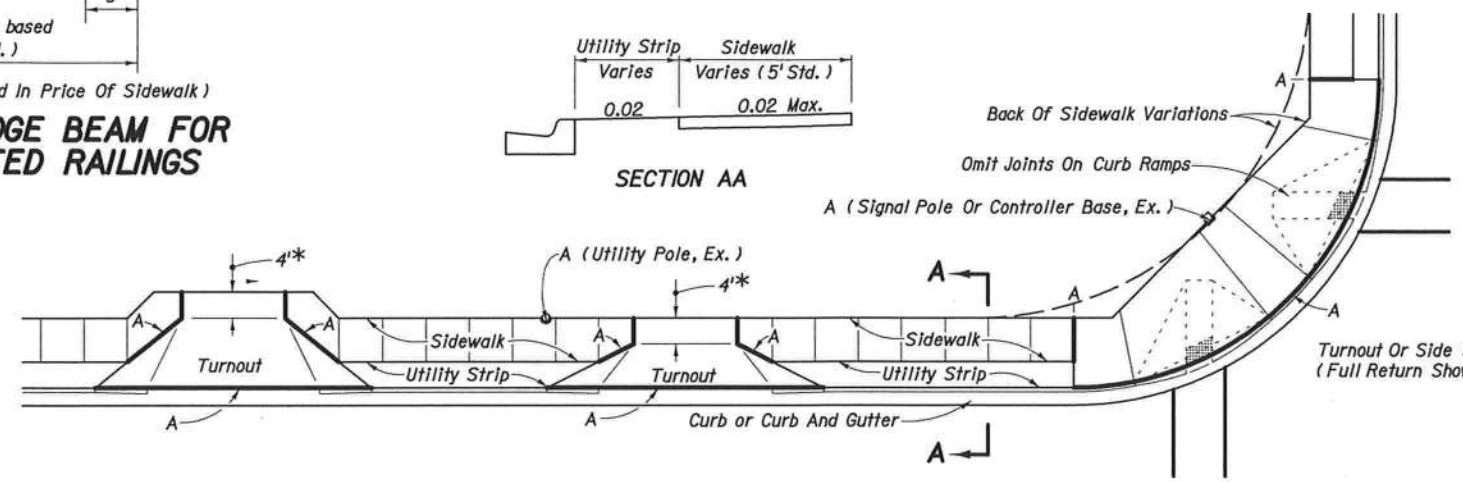
1. Sidewalks shall be constructed in accordance with Section 522 of the FDOT Standard Specifications except for public sidewalk curb ramp runs which shall be finished in accordance with Index No. 304.
2. Bond breaker material can be any impermeable coated or sheet membrane or preformed material having a thickness of not less than 6 mils nor more than ½".
3. For public sidewalk curb ramps see Index No. 304.
4. For turnouts see Index No. 515.
5. Construct sidewalks with 1' thick Edge Beam through the limits of any surface mounted Pedestrian/Bicycle Picket Railing or Pipe Guiderail shown in the plans.
6. Sidewalk shall be paid for under the contract unit price for Sidewalk Concrete (___ Thick), S.Y.



(Cost Of Edge Beam To Be Included In Price Of Sidewalk)

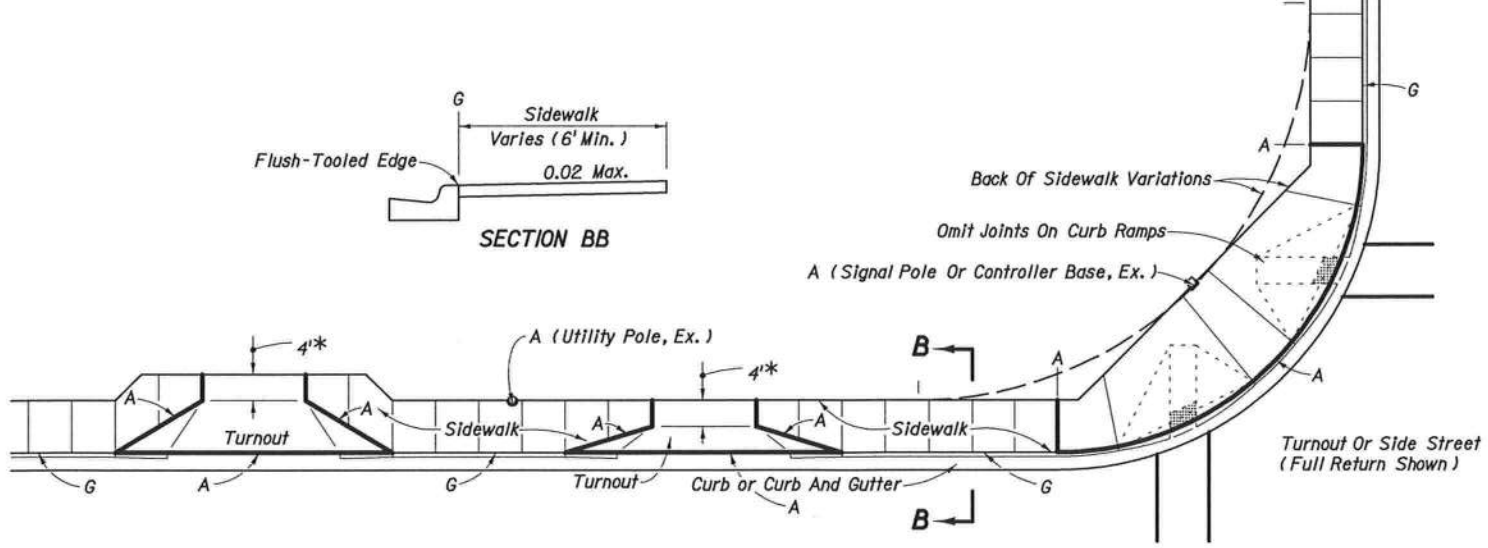
SIDEWALK WITH EDGE BEAM FOR SURFACE MOUNTED RAILINGS

SECTION AA



SIDEWALK WITH UTILITY STRIP

SECTION BB



SIDEWALK WITHOUT UTILITY STRIP

* 4', May Be Reduced To 3' In Restricted Conditions When Approved By The Engineer

CONCRETE SIDEWALK FOR CURBED ROADWAYS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	2008 FDOT Design Standards	Last Revision 07/01/07	Sheet No. 1 of 2
	CONCRETE SIDEWALK		Index No. 310

SHEET NO.	CONTENTS
1	Preface Manual On Uniform Traffic Control Devices Abbreviations Symbols
2	Definitions Temporary Traffic Control Devices Pedestrian And Bicyclist Railroads Overhead Work Sight Distance Above Ground Hazard Clear Zone Widths For Work Zones Superelevation
3	Overweight/Oversize Vehicles Lane Widths Length of Lane Closures Temporary Raised Rumble Strips
4	High-Visibility Safety Apparel Flagger Control Regulatory Speeds In Work Zones Survey Work Zones
5	Sign Placement Sign Materials Intersecting Road Signing Adjoining And/Or Overlapping Work Zone Signing Sign Covering And Intermittent Work Stoppage Signing Signing for Detours, Lane Shifts & Diversions Extended Distance Advance Warning Signs Utility Work Ahead Sign Length of Road Work Sign Speeding Fines Doubled When Workers Present Sign Grooved Pavement Ahead Sign End Road Work Signs
6	Work Zone Sign Supports
7	Commonly Used Warning and Regulatory Signs In Work Zones
8	Manholes/Crosswalks/Joints Truck Mounted Attenuators Removing Pavement Markings Signals Channelizing And Lighting Devices Channelizing And Lighting Devices Consistency Warning Lights Standard Orange Flag Portable Changeable (Variable) Message Signs (PCMS) Advance Warning Arrow Panels
9	Drop-Offs In Work Zones
10	Business Entrance Temporary Asphalt Separator
11	Identifications-Channelizing And Lighting Devices
12	Pavement Markings

PREFACE

All projects and works on highways, roads and streets shall have a traffic control plan. All work shall be executed under the established plan and Department approved procedures. This index contains information specific to the Federal and State guidelines and standards for the preparation of traffic control plans and for the execution of traffic control in work zones, for construction and maintenance operations and utility work on highways, roads and streets on the State Highway System. Certain requirements in this Index are based on the high volume nature of State Highways. For highways, roads and streets off the State Highway System, the local agency (City/County) having jurisdiction may adopt requirements based on the minimum requirements provided in the MUTCD.

Index No. 600 provides Department policy and standards. Changes are only to be made thru Department approved procedures. Index Nos. 601 thru 670 provide typical applications for various situations. Modification can be made to these Indexes as long as the changes comply with the MUTCD and Department Design Standards.

The sign spacings shown on the Indexes are typical (recommended) distances. These distances may be increased or decreased based on field conditions, in order to avoid conflicts or to improve site specific traffic controls.

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

The Florida Department of Transportation has adopted the "Manual On Uniform Traffic Control Devices For Streets And Highways" (MUTCD) and subsequent revisions and addendums, as published by the U.S. Department of Transportation, Federal Highway Administration, for mandatory use on the State Maintained Highway System whenever there exists the need for construction, maintenance operations or utility work.

ABBREVIATIONS

Abbreviations assigned to the 600 series Design Standards and applicable to traffic control plans, unless otherwise identified in the plans, are as follows:

CFR	Code of Federal Regulations
DTOE	District Traffic Operations Engineer
FDOT	Florida Department Of Transportation
HAR	Highway Advisory Radio
L	Taper Length, Buffer Length Or Taper Length Plus Buffer Space
MAS	Motorist Awareness System
MOT	Maintenance Of Traffic
MOTC	Maintenance Of Traffic Committee
MUTCD	Manual On Uniform Traffic Control Devices For Streets And Highways
NCHRP	National Cooperative Highway Research Program
PCMS	Portable Changeable (Variable) Message Sign
PRS	Portable Regulatory Sign
R	Radius
RPM	Raised Retroreflective Pavement Marker
RSDU	Radar Speed Display Unit
S	Posted Speed Of Off-Peak 85 Percentile Speed (MPH)
SLEO	Speed and Law Enforcement Officer
TTC	Temporary Traffic Control
TCP	Traffic Control Plan(s)
TCZ	Traffic Control Zones
TMA	Truck Mounted Attenuator
VECP	Value Engineering Change Proposal
W	Width Of Taper Transition In Feet, i.e., Lateral Offset

SYMBOLS

The symbols shown are found in the FDOT site menu under Traffic Control cell library on the CADD system. Symbols assigned to the 600 series Design Standards and applicable to traffic control plans, unless otherwise identified in the plans, are as follows:

- Work Area, Hazard Or Work Phase (Any pattern within a boundary)
- Sign With 18" x 18" (Min.) Orange Flag And Type B Light
- Channelizing Device
- Type I Or Type II Barricade Or Vertical Panel Or Drum
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Flashing Light At Night Only)
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only).
- Type I Or Type II Barricade Or Vertical Panel Or Cone Or Tubular Marker Or Drum
- Cone Or Tubular Marker
- Type I, Type II Or Type III Barricade Or Vertical Panel Or Drum
- Type I, Type II Or Type III Barricade Or Vertical Panel Or Drum (With Flashing Light)
- Type I, Type II Or Type III Barricade Or Vertical Panel Or Drum (With Steady Burning Light)
- Type III Barricade
- Type III Barricade (With Flashing Light)
- Type III Barricade (With Steady Burning Light)
- Work Zone Sign
- Flagger
- Traffic Signal
- Advance Warning Arrow Panel
- Portable Signal
- Crash Cushion
- Stop Bar
- Work Vehicle With Flashing Beacon
- Shadow (S) Or Advance Warning (AW) Vehicle With Advance Warning Arrow Panel And Warning Sign
- Truck Mounted Attenuator (TMA)
- Orange Flag For TCZ Signs
- Type B Light For TCZ Signs
- Law Enforcement Officer
- Portable Regulatory Sign
- Radar Speed Display Unit
- Portable Changeable (Variable) Message Sign
- Lane Identification + Direction Of Traffic

DEFINITIONS

Regulatory Speed (In Work Zones)

The maximum permitted travel speed posted for the work zone is indicated by the regulatory speed limit signs. The work zone speed must be shown or noted in the plans. This speed should be used as the minimum design speed to determine runout lengths, departure rates, flare rates, lengths of need, clear zone widths, taper lengths, crash cushion requirements, marker spacings, superelevation and other similar features.

Advisory Speed

The maximum recommended travel speed through a curve or a hazardous area.

Travel Way
The portion of the roadway for the movement of vehicles. For traffic control through work zones, travel way may include the temporary use of shoulders and any other permanent or temporary surface intended for use as a lane for the movement of vehicular traffic.

Detour, Lane Shift, and Diversion
A detour is the redirection of traffic onto another roadway to bypass the temporary traffic control zone. A lane shift is the redirection of traffic onto a different section of the permanent pavement. A diversion is the redirection of traffic onto a temporary roadway, usually adjacent to the permanent roadway and within the limits of the right-of-way.

Above Ground Hazard
An above ground hazard is any object, material or equipment other than traffic control devices that encroaches upon the travel way or that is located within the clear zone which does not meet the Department's safety criteria, i.e., anything that is greater than 4" in height and is firm and unyielding or doesn't meet breakaway requirements.

TEMPORARY TRAFFIC CONTROL DEVICES

All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time, temporary traffic control devices that are no longer appropriate shall be removed or covered. Arrow Panels, Portable Changeable Message Signs, Radar Speed Display Trailers, Portable Regulatory Signs, and any other trailer mounted devices shall be delineated with retroreflective TTC devices when in use and shall be moved outside the travel way and clear zone or be shielded by a barrier or crash cushion when not in use.

PEDESTRIAN AND BICYCLIST

When an existing pedestrian way or bicycle way is located within a traffic control work zone, accommodation must be maintained and provision for the disabled must be provided.

Only approved temporary traffic control devices may be used to delineate a temporary traffic control zone pedestrian walkway.

Advanced notification of sidewalk closures and marked detours shall be provided by appropriate signs.

RAILROADS

Railroad crossings affected by a construction project should be evaluated for traffic controls to reduce queuing on the tracks. The evaluation should include as a minimum: traffic volumes, distance from the tracks to the intersections, lane closure or taper locations, signal timing, etc.

OVERHEAD WORK

Work is only allowed over a traffic lane when one of the following options is used:

OPTION 1 (OVERHEAD WORK USING A MODIFIED LANE CLOSURE)

Overhead work using a modified lane closure is allowed if all of the following conditions are met:

a. Work operation is located in a signalized intersection and limited to signals, signs, lighting and utilities.
b. Work operations are 60 minutes or less.
c. Speed limit is 45 mph or less.
d. Aerial lift equipment in the work area has high-intensity, rotating, flashing, oscillating, or strobe lights operating.
e. Aerial lift equipment is placed directly below the work area to close the lane.
f. Traffic control devices are placed in advance of the vehicle/equipment closing the lane using a minimum 100 foot taper.
g. Volume or complexity of the roadway may dictate additional devices, signs, flagmen and/or a traffic control officer.

OPTION 2 (OVERHEAD WORK ABOVE AN OPEN TRAFFIC LANE)

Overhead work above a open traffic lane is allowed if all of the following conditions are met:

a. Work operation is located on a utility pole, light pole, signal pole, or their appurtenances.
b. Work operations are 60 minutes or less.
c. Speed limit is 45 mph or less.
d. No encroachment by any part of the work activities and equipment within an area bounded by 2 feet outside the edge of travel way and 18 feet high.
e. Aerial lift equipment in the work area has high-intensity, rotating, flashing, oscillating, or strobe lights operating.
f. Volume or complexity of the roadway may dictate additional devices, signs, flagmen and/or a traffic control officer.
g. Adequate precautions are taken to prevent parts, tools, equipment and other objects from falling into open lanes of traffic.
h. Other Governmental Agencies, Rail facilities, or Codes may require a greater clearance. The greater clearance required prevails as the rule.

OPTION 3 (OVERHEAD WORK ADJACENT TO AN OPEN TRAFFIC LANE)

Overhead work adjacent to an open traffic lane is allowed if all of the following conditions are met:

a. Work operation is located on a utility pole, light pole, signal pole, or their appurtenances.
b. Work operations are 1 day or less.
c. Speed limit is 45 mph or less.
d. No encroachment by any part of the work activities and equipment within 2 foot from the edge of travelway up to 18' height. Above 18' in height, no encroachment by any part of the work activities and equipment over the open traffic lane (except as allowed in Option 2 for work operations of 60 minutes or less).
e. Aerial lift equipment in the work area has high-intensity, rotating, flashing, oscillating, or strobe lights operating.
f. Volume or complexity of the roadway may dictate additional devices, signs, flagmen and/or a traffic control officer.
g. Adequate precautions are taken to prevent parts, tools, equipment and other objects from falling into open lanes of traffic.
h. Other Governmental Agencies, Rail facilities, or Codes may require a greater clearance. The greater clearance required prevails as the rule.

OPTION 4 (OVERHEAD WORK USING A STANDARD LANE CLOSURE)

The lane directly below the overhead work is closed in accordance with the appropriate standard index drawing or detailed in the plans.

SIGHT DISTANCE

Tapers: Transition tapers should be obvious to drivers. If restricted sight distance is a problem (e.g., a sharp vertical or horizontal curve), the taper should begin well in advance of the view obstruction. The beginning of tapers should not be hidden behind curves.

Intersections: Traffic control devices at intersections must provide sight distances for the road user to perceive potential conflicts and to traverse the intersection safely.

ABOVE GROUND HAZARD

Above ground hazards (see definitions) are to be considered work areas during working hours and treated with appropriate work zone traffic control procedures. During nonworking hours, all objects, materials and equipment that constitute an above ground hazard must be stored/placed outside the travel way and clear zone or be shielded by a barrier or crash cushion.

For above ground hazards within a work zone the clear zone required should be based on the regulatory speed posted during construction.

CLEAR ZONE WIDTHS FOR WORK ZONES

The term 'clear zone' describes the unobstructed relatively flat area, impacted by construction, extending outward from the edge of the travel lane. The table below gives clear zone widths in work zones for medians and roadside conditions other than for roadside canals; where roadside canals are present, clear zone widths are to conform with the distances to canals as described in Volume I, Chapter 4, Section 4.2 and Exhibit 4-A and 4-B of the Plans Preparation Manual.

CLEAR ZONE WIDTHS FOR WORK ZONES	
WORK ZONE SPEED (MPH)	WIDTHS (feet)
60-70	30
55	24
45-50	18
30-40	14
ALL SPEEDS CURB & GUTTER	4' BEHIND FACE OF CURB

SUPERELEVATION

Horizontal curves constructed in conjunction with work zone traffic control should have the required superelevation applied to the design radii. Under conditions where normal cross slope controls curvature, the minimum radii that can be applied are listed in the table below.

MINIMUM RADII FOR NORMAL CROSS SLOPES	
DESIGN SPEED	MINIMUM RADIUS
MPH	feet
65	3130
60	2400
55	1840
50	1390
45	1080
40	820
35	610
30	430
Superelevate When Smaller Radii Used	

OVERWEIGHT/OVERSIZE VEHICLES

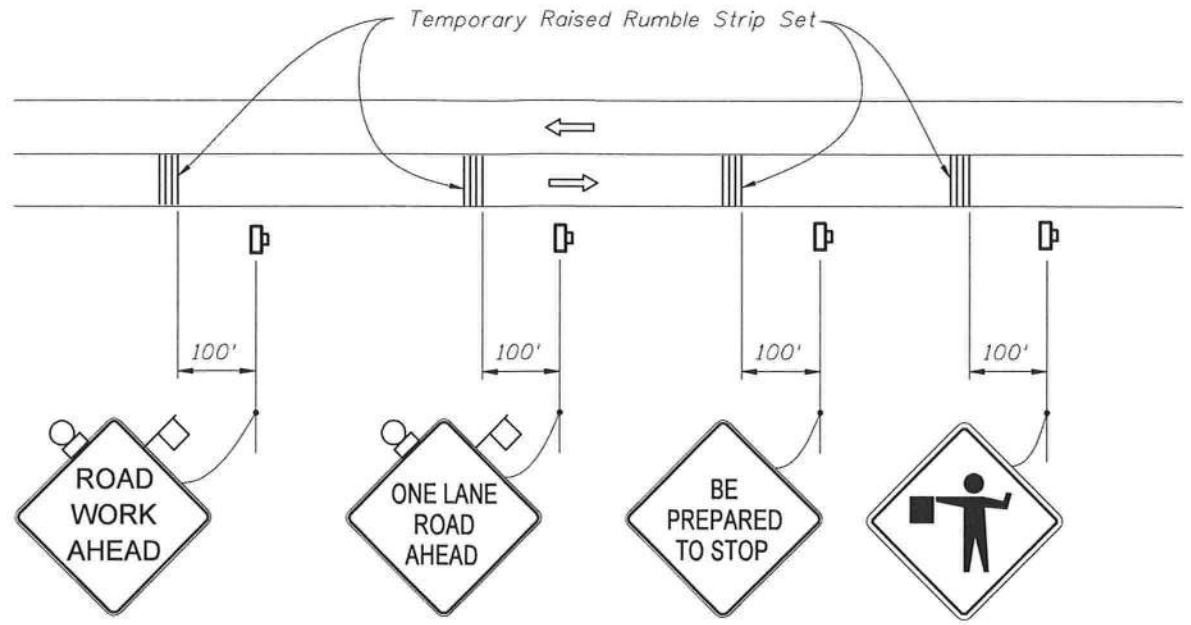
Restrictions to Lane Widths, Heights or Load Capacity can greatly impact the movement of over dimensioned loads. The Contractor shall notify the Engineer who in turn shall notify the State Permits Office, phone no. (850) 410-5777, at least seven calendar days in advance of implementing a maintenance of traffic plan which will impact the flow of overweight/oversized vehicles. Information provided shall include location, type of restriction (height, width or weight) and restriction time frames. When the roadway is restored to normal service the State Permits Office shall be notified immediately.

LANE WIDTHS

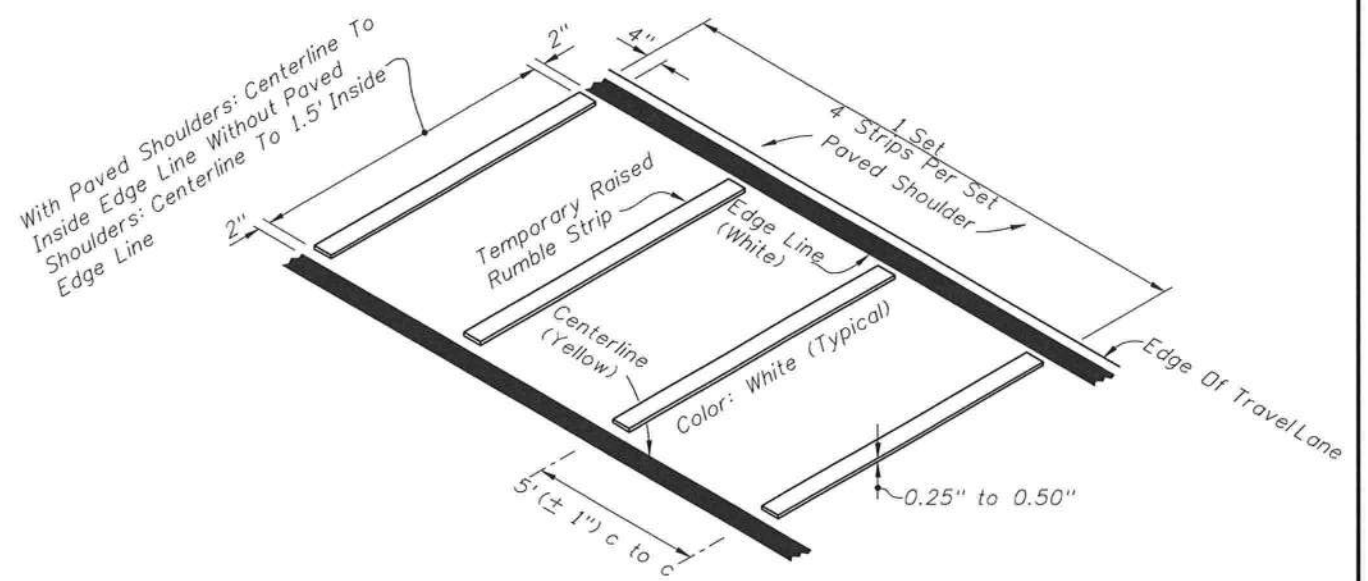
Lane widths of through roadways should be maintained through work zone travel ways wherever practical. The minimum widths for work zone travel lanes shall be as follows: 11' for Interstate with at least one 12' lane provided in each direction, unless formally expected by the Federal Highway Administration; 11' for freeways; and 10' for all other facilities.

LENGTH OF LANE CLOSURES

Lane closures shall not exceed 2 miles in total length (taper, buffer space and work space) in any given direction on the Interstate or on state highways with a posted speed of 55 MPH or greater.



TYPICAL PLACEMENT OF TEMPORARY RAISED RUMBLE STRIPS



TEMPORARY RAISED RUMBLE STRIP SET (PAVED SHOULDER SHOWN)

GENERAL NOTES

1. *Temporary raised rumble strips sets shall be placed in advance of each flagging station when called for in the plans.*
2. *Temporary raised rumble strip sets are used to supplement a series of advanced warning signs and shall be installed and removed when the signs are installed and removed.*
3. *Remove the temporary raised rumble strips prior to removing the advance warning signs.*

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
06/28/06	CA	New Sheet.			

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

2008 FDOT Design Standards

GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES

Last Revision 07/01/07

Index No. 600

HIGH-VISIBILITY SAFETY APPAREL

All high-visibility safety apparel shall meet the requirements of the International Safety Equipment Association (ISEA) and the American National Standards Institute (ANSI) for High-Visibility Safety Apparel", and labeled as ANSI/ISEA 107-2004. The apparel background (outer) material color shall be either fluorescent orange-red or fluorescent yellow-green as defined by the standard. The retroreflective material shall be either orange, yellow, white, silver, yellow-green, or a fluorescent version of these colors, and shall be visible at a minimum distance of 1,000 feet. Class 3 apparel may be substituted for Class 2 apparel. Replace apparel that is not visible at 1,000 feet.

WORKERS: All workers within the right-of-way shall wear ANSI/ISEA Class 2 apparel. Workers operating machinery or equipment in which loose clothing could become entangled during operation shall wear fitted high-visibility safety apparel. Workers inside the bucket of a bucket truck are not required to wear high-visibility safety apparel.

UTILITIES: When other industry apparel safety standards require utility workers to wear apparel that is inconsistent with FDOT requirements such as NFPA, OSHA, ANSI, etc., the other standards for apparel may prevail.

FLAGGERS: For daytime activities, Flaggers shall wear ANSI/ISEA Class 2 apparel. For nighttime activities, Flaggers shall wear ANSI/ISEA Class 3 apparel.

FLAGGER CONTROL

Where flaggers are used, a FLAGGER symbol or legend sign must replace the WORKERS symbol or legend sign.

The flagger must be clearly visible to approaching traffic for a distance sufficient to permit proper response by the motorist to the flagging instructions, and to permit traffic to reduce speed or to stop as required before entering the work site. Flaggers shall be positioned to maintain maximum color contrast between the Flagger's high-visibility safety apparel and equipment and the work area background.

Hand-Signaling Devices

STOP/SLOW paddles are the primary hand-signaling device. The STOP/SLOW paddle shall have an octagonal shape on a rigid handle. STOP/SLOW paddles shall be at least 24 inches wide with letters at least 6 inches high and should be fabricated from light semirigid material. The background of the STOP face shall be red with white letters and border. The background of the SLOW face shall be orange with black letters and border. When used at nighttime, the STOP/SLOW paddle shall be retroreflectorized.

Flag use is limited to immediate emergencies, intersections, and when working on the centerline or shared left turn lanes where two (2) flaggers are required and there is opposing traffic in the adjacent lanes. Flags, when used, shall be a minimum of 24 inches square, made of a good grade of red material, and securely fastened to a staff that is approximately 36 inches in length. When used at nighttime, flags shall be retroreflectorized red.

Flashlight, lantern or other lighted signal that will display a red warning light shall be used at night.

Flagger Stations

Flagger stations shall be located far enough in advance of the work space so that approaching road users will have sufficient distance to stop before entering the work space. When used at nighttime, the flagger station shall be illuminated.

REGULATORY SPEEDS IN WORK ZONES

Traffic Control Plans (TCPs) for all projects must include specific regulatory speeds for each phase of work. This can either be the posted speed or a reduced speed. The speed shall be noted in the TCPs; this includes indicating the existing speed if no reduction is to be made. Regulatory speeds are to be uniformly established through each phase.

In general, the regulatory speed should be established to route vehicles safely through the work zone as close as to normal highway speed as possible. The regulatory speed should not be reduced more than 10 mph below the posted speed and never below the minimum statutory speed for the class of facility. When a speed reduction greater than 10 mph is imposed, the reduction is to be done in 10 mph per 500' increments.

Temporary regulatory speed signs shall be removed as soon as the conditions requiring the reduced speed no longer exist. Once the work zone regulatory speeds are removed, the regulatory speed existing prior to construction will automatically go back into effect unless new speed limit signing is provided for in the plans.

On projects with interspaced work activities, speed reductions should be located in proximity to those activities which merit a reduced speed, and not "blanketed" for the entire project. At the departure of such activities, the normal highway speed should be posted to give the motorist notice that normal speed can be resumed.

If the existing regulatory speed is to be used, consideration should be given to supplementing the existing signs when the construction work zone is between existing regulatory speed signs. For projects where the reduced speed conditions exist for greater than 1 mile in rural areas (non-interstate) and on rural or urban interstate, additional regulatory speed signs are to be placed at no more than 1 mile intervals. Engineering judgement should be used in placement of the additional signs. Locating these signs beyond ramp entrances and beyond major intersections are examples of proper placement. For urban situations (non-interstate), additional speed signs are to be placed at a maximum of 1000' apart.

When field conditions warrant speed reductions different from those shown in the TCP the contractor may submit to the project engineer for approval by the Department, a signed and sealed study to justify the need for further reducing the posted speed, or, the engineer may request the District Traffic Operations Engineer (DTOE) to investigate the need. It will not be necessary for the DTOE to issue regulations for regulatory speeds in work zones due to the revised provisions of F.S. 316.0745(2) (b). Advisory Speed plates will be used at the option of the field engineer for temporary use while processing a request to change the regulatory speed specified in the plans when deemed necessary. Advisory speed plates cannot be used alone but must be placed below the construction warning sign for which the advisory speed is required.

For additional information refer to the FDOT Plans Preparation Manual, Volume I, Chapter 10.

SURVEY WORK ZONES

The SURVEY CREW AHEAD symbol or legend sign shall be the principal Advance Warning Sign used for Traffic Control Through Survey Work Zones and may replace the ROAD WORK AHEAD sign when lane closures occur, at the discretion of the Party Chief. Type B Light or dual orange flags shall be used at all times to enhance the SURVEY CREW AHEAD sign, even with mesh signs.

When Traffic Control Through Work Zones is being used for survey purposes only, the END ROAD WORK sign as called for on certain 600 Series Indexes should be omitted.

Survey Between Active Traffic Lanes or Shared Left Turn Lanes

The following provisions apply to Main Roadway Traffic Control Work Zones. These provisions must be adjusted by the Party Chief to fit roadway and traffic conditions when the Survey Work Zone includes intersections.

(A) A STAY IN YOUR LANE (MOT-1-04) sign shall be added to the Advance Warning Sign sequence as the second most immediate sign from the work area.

(B) Elevation Surveys-Cones may be used at the discretion of the Party Chief to protect prism holder and flagger(s). Cones, if used, may be placed at up to 50' intervals along the break line throughout the work zone.

(C) Horizontal Control-With traffic flow in the same direction, cones shall be used to protect the backsight tripod and/or instrument. Cones shall be placed at the equipment, and up to 50' intervals for at least 200' towards the flow of traffic.

(D) Horizontal Control-With traffic flow in opposite directions, cones shall be used to protect the backsight tripod and/or instrument. Cones shall be placed at the equipment, and up to 50' intervals for at least 200' in both directions towards the flow of traffic.

SIGN PLACEMENT

Post-mounted signs installed at the side of the road shall be mounted at a height at least 7 feet measured from the bottom of the sign to a horizontal line extended from the near edge of the pavement. Signs mounted on barricades, or other portable supports shall be no less than 1 foot above the traveled way.

SIGN MATERIALS

Mesh signs may be used only for Daylight Operations as noted in the standards. Type B Lights and Orange Flags are not required except for survey work zones.

Vinyl signs may be used for Day or Night Operations not to exceed 1 day except as noted in the standards. Type B Lights and Orange Flags are not required except for survey work zones.

INTERSECTING ROAD SIGNING

Signing for the control of traffic entering and leaving work zones by way of intersecting highways, roads and streets shall be adequate to make drivers aware of work zone conditions. Under no condition will intersecting leg signing be less than a ROAD WORK AHEAD sign.

ADJOINING AND/OR OVERLAPPING WORK ZONE SIGNING

Adjoining work zones may not have sufficient spacing for standard placement of signs and other traffic control devices in their advance warning areas or in some cases other areas within their traffic control zones. Where such restraints or conflicts occur or are likely to occur, one of the following methods will be employed to avoid conflicts and prevent conditions that could lead to misunderstanding on the part of the traveling public as to the intended travel way by the traffic control procedure applied:

(A) For scheduled projects the engineer in responsible charge of project design will resolve anticipated work zone conflicts during the development of the project traffic control plan. This may entail revision of plans on preceding projects and coordination of plans on concurrent projects.

(B) Unanticipated conflicts arising between adjoining in progress highway construction projects will be resolved by the Resident Engineer for projects under his residency, and, by the District Construction Engineer for in progress projects under adjoining residencies.

(C) The District Maintenance Engineer will resolve anticipated and occurring conflicts within scheduled maintenance operations.

(D) The Unit Maintenance Engineer will resolve conflicts that occur within routine maintenance works; between routine maintenance work, unscheduled work and/or permitted work; and, between unit controlled maintenance works and highway construction projects.

SIGN COVERING AND INTERMITTENT WORK STOPPAGE SIGNING

Existing signs that conflict with temporary work zone signing shall be removed or covered as approved by the Engineer. Traffic control signs that require covers when no work is being performed in a work area shall be fully covered with a durable opaque sheet material.

Plastic film and woven fabrics including burlap will not be permitted.
Covering of only the legend or symbol will not be permitted.
Reflective coverings will not be permitted.
Hinged signs designed to cover when folded will be permitted.

Covers, hinged panels and intermittent work stoppage shields and plaques are incidental to work operation signs and are not to be paid for separately.

SIGNING FOR DETOURS, LANE SHIFTS AND DIVERSIONS

Detours should be signed clearly over their entire length so that motorists can easily determine how to return to the original roadway. The reverse curve (W1-4) warning sign should be used for the advanced warning for a lane shift.. A diversion should be signed as a lane shift..

EXTENDED DISTANCE ADVANCE WARNING SIGN

Advance Warning Signs shall be used at extended distance of one-half mile or more when limited sight distance or the nature of the obstruction may require a motorist to bring their vehicle to a stop. Extended distance Advanced Warning Signs may be required on any type roadway, but particularly be considered on multilane divided highways where vehicle speed is generally in the higher range (45 MPH or more).

UTILITY WORK AHEAD SIGN

The UTILITY WORK AHEAD (W21-7) sign may be used as an alternate to the ROAD WORK AHEAD or the ROAD WORK XX FT (W20-1) sign for utility operations on or adjacent to a highway.

LENGTH OF ROAD WORK SIGN

The length of road work sign (G20-1) bearing the legend ROAD WORK NEXT_____ MILES is required for all projects of more than 2 miles in length. The number of miles entered should be rounded up to the nearest mile. The sign shall be located at begin construction points.

SPEEDING FINES DOUBLED WHEN WORKERS PRESENT SIGN

The SPEEDING FINES DOUBLED WHEN WORKERS PRESENT sign should be installed on all projects, but may be omitted if the work operation is less than 1 day. The placement should be 500 feet beyond the ROAD WORK AHEAD sign or midway to the next sign whichever is less.

GROOVED PAVEMENT AHEAD SIGN

The GROOVED PAVEMENT AHEAD sign is required 500 feet in advance of a milled or grooved surface open to traffic.

END ROAD WORK SIGN

The END ROAD WORK sign (G20-2A) should be installed on all projects, but may be omitted where the work operation is less than 1 day. The sign should be placed approximately 500 feet beyond the end of a construction or maintenance project unless other distance is called for in the plans. When other Construction or Maintenance Operations occur within 1 mile this sign should be omitted and signing coordinated in accordance with Index No. 600, ADJOINING AND/OR OVERLAPPING WORK ZONE SIGNING.

GENERAL NOTES:

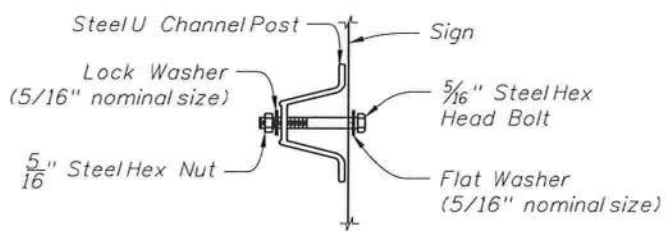
1. All signs shall be post mounted when work operations exceed one day except as noted in the standards.

TEMPORARY SIGN SUPPORT NOTE:

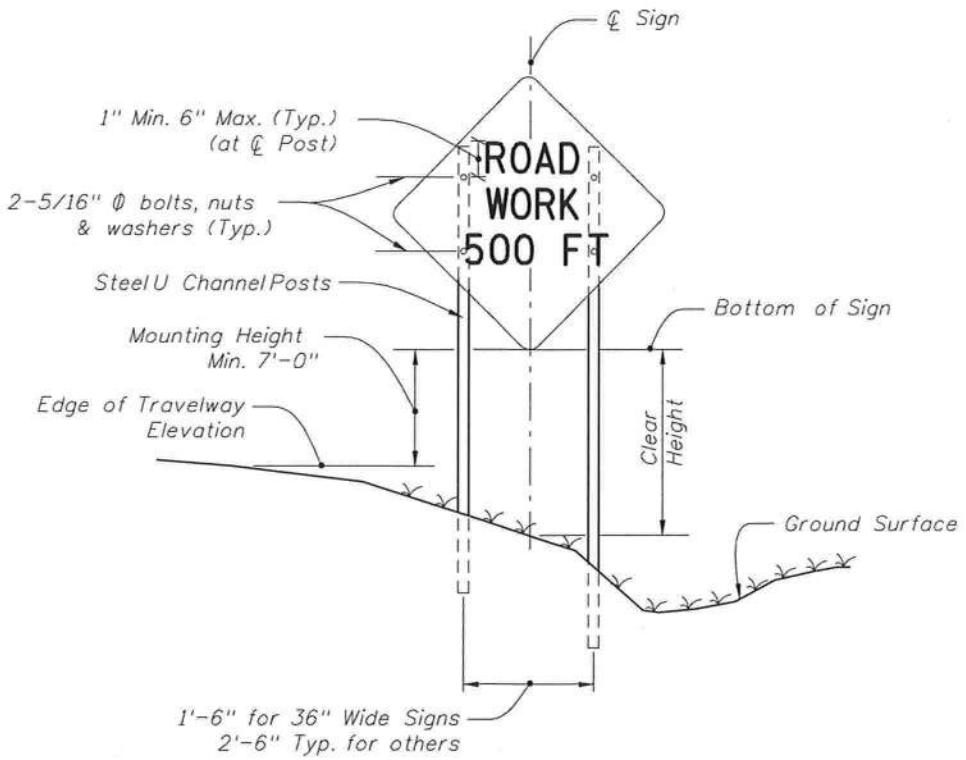
1. Signs mounted on temporary supports or barricades, and barricade/sign combination shall be crashworthy in accordance with NCHRP 350 requirements and included on the Qualified Products List (QPL).

POST MOUNTED SIGN NOTES:

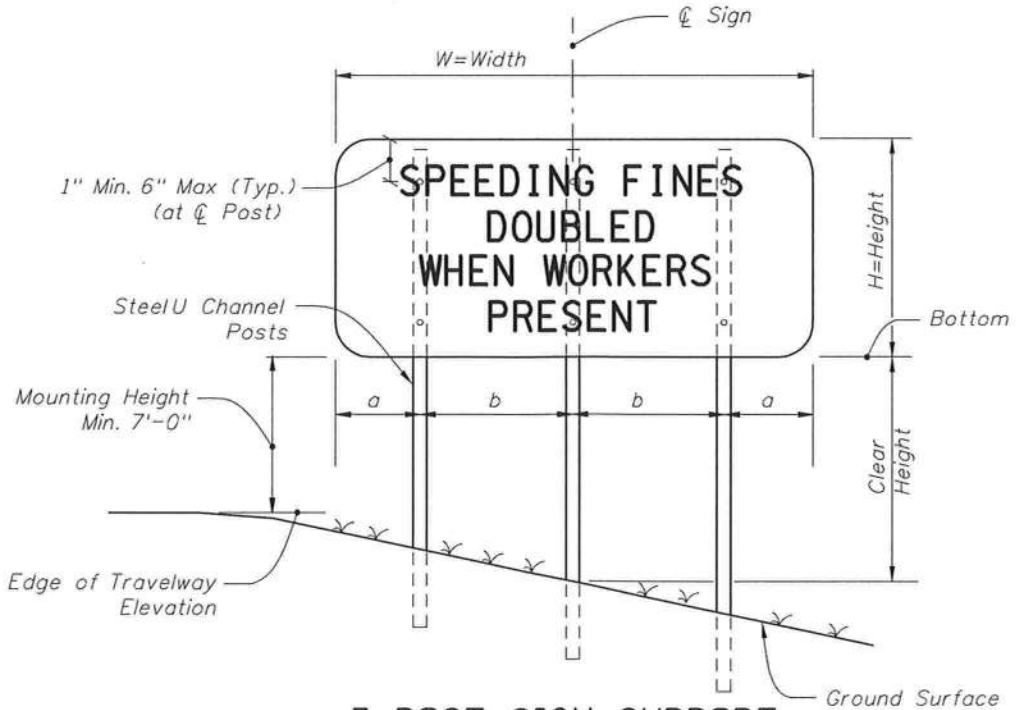
1. Use only approved systems listed on the Department's Qualified Products List (Manufacturers seeking QPL approval see Index 11860).
2. Provide 3 lb/ft Steel U Channel Posts with a minimum section modulus of 0.43 in^2 for 60 ksi steel, or a minimum section modulus of 0.37 in^2 for 70 ksi steel.
3. Provide 4 lb/ft Steel U Channel Posts with a minimum section modulus of 0.56 in^2 for 60 ksi steel, or a minimum section modulus of 0.47 in^2 for 70 ksi steel.
4. Steel U Channel Posts shall meet the material requirements of Specification 700 with the exception that galvanization is not required.
5. Sign attachment bolts, washers, nuts and spacers shall conform with ASTM A307 or A 36.
6. For diamond warning signs with supplement plaque (up to 3 ft^2 in area), use 4 lb/ft posts for up to 10 ft Clear Height (measure to the bottom of diamond warning sign).
7. Install 4 lb/ft Steel U Channel Posts with approved breakaway splice in accordance with the manufacturer's detail shown on the QPL.
8. The contractor may install 3 lb/ft Steel U Channel Posts with approved breakaway splice in accordance with the manufacturer's detail shown on the QPL.
9. Install all posts plumb.
10. The contractor shall set the posts in preformed holes to the specified depth with suitable backfill tamped securely on all sides, or filled with flowable fill or bagged concrete. The cost of the flowable fill or bagged concrete shall be included in the cost of sign. At the contractor's option, 3 lb/ft sign post and any base post may be driven (See Typical Foundation Detail).



SIGN ATTACHMENT DETAIL



2 POST SIGN SUPPORT MOUNTING DETAILS



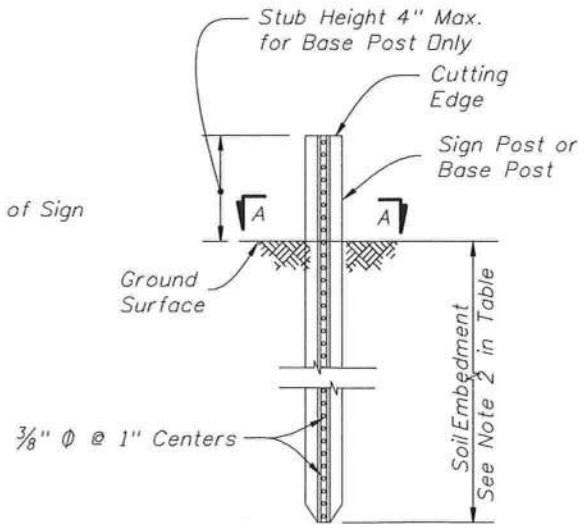
3 POST SIGN SUPPORT MOUNTING DETAILS

Where W = 48": a = 7" and b = 1'-5"
W = 72": a = 10½" and b = 2'-1½"

POST AND FOUNDATION TABLE FOR WORK ZONE SIGNS		
SIGN SHAPE	SIGN SIZE (inches)	NUMBER OF STEEL U CHANNEL POSTS
Octagon	30X30	1
Triangle	36X36X36	1
	48X48X48	1
	60X60X60	2
Rectangle (W X H)	24X18	1
	24X30	1
	30X24	1
	36X18	1
	48X18	1
	36X48	2
	48X30	2
	48X36	2
	54X36	2
	48X60	3
	72X48	3
Square	30X30	1
	36X36	2
	48X48	2
Diamond (See Note 6)	48X48	2
Circle	36Ø	2

Notes For Table:

1. Use 3 lb/ft posts for Clear Height up to 10' and 4 lb/ft posts for Clear Height up to 12'.
2. Minimum foundation depth is 4.5 feet for 3 lb/ft posts and 5 feet for 4 lb/ft posts.

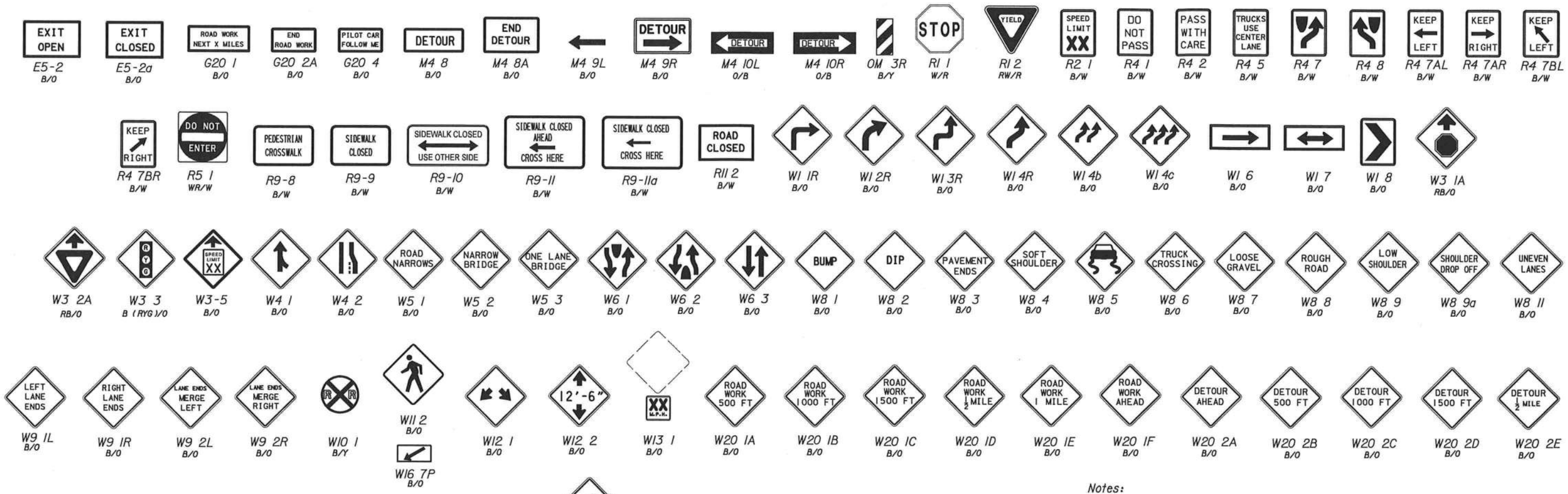


TYPICAL FOUNDATION DETAIL

See QPL for post, splice and connection details.
No bolts installed closer than 1" to cutting edge.

SECTION A-A (SCHEMATIC)

WORK ZONE SIGN SUPPORTS



Notes:

1. *The size of diamond shaped Temporary Traffic Control (TTC) warning signs shall be a minimum of 48" X 48".*
2. *Fluorescent orange shall be used for all orange colored work zone signs.*
3. *When standard orange flags or flashing warning lights are used in conjunction with signs, they shall not block the sign face.*
4. *The sign shields, symbols and messages contained on this sheet are provided for ready reference to those signs used in the development of the 600 series Design Standards and are commonly used in the development of traffic control plans.*
   For additional signs and sign detail information refer to the STANDARD HIGHWAY SIGNS MANUAL as specified in the MUTCD. Special signs for traffic control plans will be as approved by the State Traffic Plans Engineer.
   The sign codes shown on this sheet are for the purpose of identifying cell names found in the Traffic Control Cell Library (TCZ.Cel).
   The STANDARD HIGHWAY SIGNS MANUAL should be referenced for the official sign codes for use in the development of traffic control plans.
   See Index No. 17355 for MOT sign details.

COLOR CODES

Legend and/or Symbol / Background

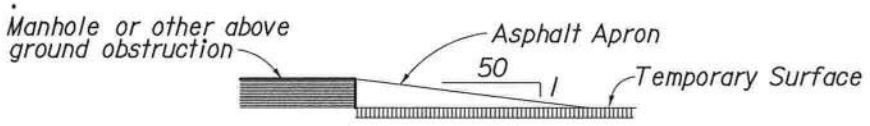
O-Orange (Reflectorized) R-Red (Reflectorized)
B-Black (Non-Reflectorized) Y-Yellow (Reflectorized)
W-White (Reflectorized) G-Green (Reflectorized)

COMMONLY USED WARNING AND REGULATORY SIGNS IN WORK ZONES

MANHOLES/CROSSWALKS/JOINTS

Manholes extending 1" or more above the travel lane and crosswalks having an uneven surface greater than $\frac{1}{4}$" shall have a temporary asphalt apron constructed as shown in the diagram below.

All transverse joints that have a difference in elevation of 1" or more shall have a temporary asphalt apron constructed as shown in the diagram below.



The apron is to be removed prior to constructing the next lift of asphalt. The cost of the temporary asphalt shall be included in the contract unit price for Maintenance of Traffic, LS.

TRUCK-MOUNTED ATTENUATORS

Truck-mounted attenuators (TMA) can be used for moving operations and short-term stationary operations. For moving operations, see Index Nos. 607 and 619. For short-term, stationary operations, see Part VI of the MUTCD.

REMOVING PAVEMENT MARKINGS

Existing pavement markings that conflict with temporary work zone delineation shall be removed by any method approved by the Engineer, where operations exceed one daylight period; however, painting over existing pavement markings will not be permitted. Full pavement width overlays of either a structural or friction course are a positive means to achieve obliteration.

SIGNALS

Existing traffic signal operations that require modification in order to carry out work zone traffic control shall be included in the TCP and be approved by the District Traffic Operations Engineer.

Maintain all existing actuated or traffic responsive mode signal operations for main and side street movements for the duration of the Contract and require restoration of any loss of detection within 12 hours. The contractor shall select only detection technology listed on the Department's Approved Products List (APL) and approved by the Engineer to restore detection capabilities. The plans should identify the intersections where Temporary Traffic Detection is required.

CHANNELIZING AND LIGHTING DEVICES

Channelizing and lighting devices for work zone traffic control shall be as prescribed in Part VI of the MUTCD, subject to supplemental revisions provided in the contract documents.

Primary work zone traffic control devices are shown on Sheet 8 for the purpose of ready identification. Approved devices are listed on the Department's Qualified Product List.

CHANNELIZING AND LIGHTING DEVICE CONSISTENCY

Barricades, vertical panels, cones, tubular markers and drums shall not be intermixed within either the lateral transition or within the tangent alignment.

WARNING LIGHTS

Warning lights shall be in accordance with Section 6F-78 of the MUTCD except for the application limitations stipulated below:

Flashing

Type A Low Intensity Flashing Warning Lights are to be mounted on barricades, drums, vertical panels or advance warning signs (except as noted below) and are intended to continually warn drivers that they are approaching or proceeding in a hazardous area. Flashing lights shall not be used to delineate the intended path of travel, and not placed with spacings that will form a continuous line to the drivers eye. The Type A light will be used to mark obstructions that are located adjacent to or in the intended travel way. Type A lights shall not be used in conjunction with the first advance warning sign nor the second such sign when used.

For post-mounted signs, Type B High Intensity Flashing Warning Lights shall be mounted on the first advanced warning sign and on the first and second advanced warning sign where two or more signs are used; this applies to all approaches to any work zone. The light shall be mounted on the channel post or on the upper edge of the sign nearest the traffic.

Steady-Burn

Type C Steady-Burn Lights are to be mounted on barricades, drums, concrete barrier walls or vertical panels and used in combination with those devices to delineate the travel way on lane closures, lane changes, diversion curves and other similar conditions. Steady-burn lights are intended to be placed in a line to delineate the traveled way through and around obstructions in the transition, buffer, work and termination areas of the traffic control zone. Their intended purpose is not for warning drivers that they are approaching or proceeding through a hazardous area.

STANDARD ORANGE FLAG

For post-mounted signs a standard orange flag 18" x 18" (min.) shall be mounted on the first advanced warning sign and on the first and second advanced warning sign where two or more signs are used; this applies to all approaches to any work zone. The flag shall be mounted on the channel post or on the upper edge of the sign furthest from traffic.

PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS)

The PCMS can be used to:
(1) Supplement standard signing in construction or maintenance work zones.
(2) Reinforce static advance warning messages.
(3) Provide motorists with updated guidance information.

PCMS should be placed approx. 500 to 800 feet in advance of the work zone conflicts or 1.5 to 2 miles in advance of complex traffic control schemes which require new and/or unusual traffic maneuvers.

If PCMS are to be used at night, the intensity of the flashers shall be reduced during darkness when lower intensities are desirable.

For additional information refer to the FDOT Plans Preparation Manual, Volume I, Chapter 10.

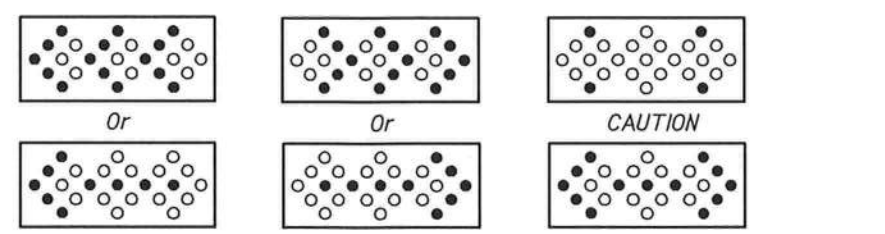
ADVANCE WARNING ARROW PANELS

An arrow panel in the arrow or chevron mode shall be used only for stationary or moving lane closures on multilane roadways.

For shoulder work, blocking the shoulder, for roadside work near the shoulder, or for temporarily closing one lane on a two-lane, two-way roadway, an arrow panel shall be used only in the caution mode.

A single arrow panel shall not be used to merge traffic laterally more than one lane. When arrow panels are used to close multiple lanes, a single panel shall be used at the merging taper for each closed lane.

When Advance Warning Arrow Panels are used at night, the intensity of the flashers shall be reduced during darkness when lower intensities are desirable.



● Minimum Required Lamps
○ Additional Lamps Allowed

MODES

DROP-OFF CONDITION NOTES

1. A drop-off is defined as a drop in elevation, parallel to the adjacent travel lanes, greater than 3" with slopes (A:B) steeper than 1 : 4. When drop-offs occur within the clear zone due to construction or maintenance activities, protection devices are required. See chart.
2. Distance X is to be the maximum practical under project conditions.
3. Distance from the travel lane to the barrier or warning device should be maximum practical for project conditions.
4. Any drop-off condition that is created and restored within the same work period will not be subject to the use of barriers; however, warning devices will be required.
5. When permanent curb heights are ≥ 6", no warning device will be required. For curb heights < 6", see chart.

DROP-OFF NOTES

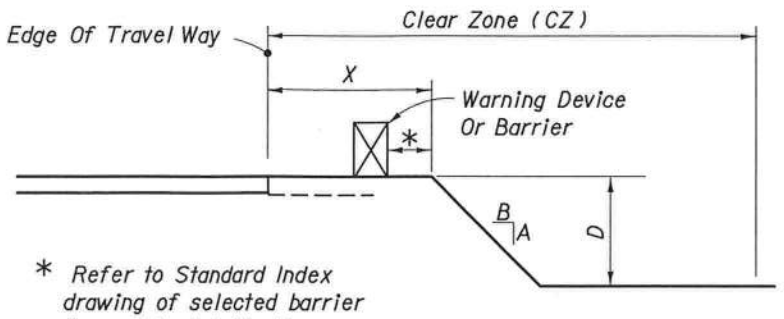
1. These conditions and treatments can be applied only in work areas that fall within a properly signed work zone.
2. The following are defined as acceptable warning devices:
   a. Vertical panel
   b. Type I Or Type II barricades
   c. Drum
   d. Cone (where allowed)
   e. Tubular marker (where allowed)
3. Where a barrier is specified, any of the types below may be used in accordance with the applicable Index:

Index No.	Description
400	Temporary guardrail and end anchorage
412	Temporary low profile barrier
414	Type K temporary concrete barrier
415	Temporary concrete barrier

   For temporary water filled barriers see the QPL
4. Warning device spacing shall be as shown in Table I.

Table I
Device Spacing

Speed (mph)	Max. Distance Between Devices (ft)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

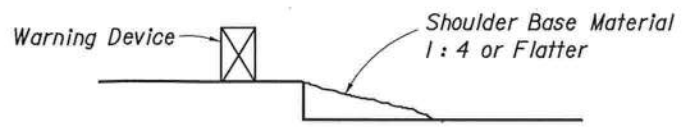


* Refer to Standard Index drawing of selected barrier for required deflection space.

DROP-OFF PROTECTION REQUIREMENTS ALL SPEEDS NO CURB AND GUTTER		
X (ft.)	D (in.)	Device Required
0-12	>3	Barrier
12-CZ	>3 to ≤5	Warning Device
0-CZ	>5	Barrier

For Clear Zone widths, see Index No. 600 sheet 2.

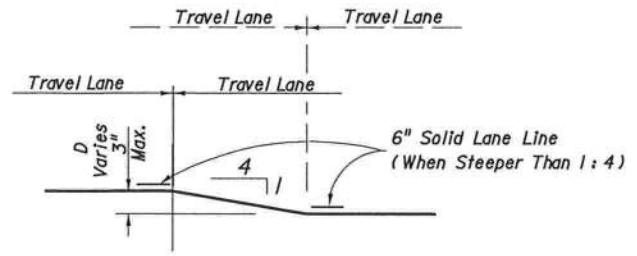
SHOULDER TREATMENT



NOTES

1. Shoulder treatment may be used in lieu of barrier. Warning devices are required.
2. Daily inspections shall be conducted to assure that no erosion, excessive slopes, rutting, or other adverse conditions exist. Any deficiencies shall be repaired immediately.
3. Compensation for the placement and removal of the material required for the shoulder treatment shall be included in the cost for Maintenance Of Traffic, LS. Use of shoulder treatment in lieu of a barrier is not eligible for VECP consideration.

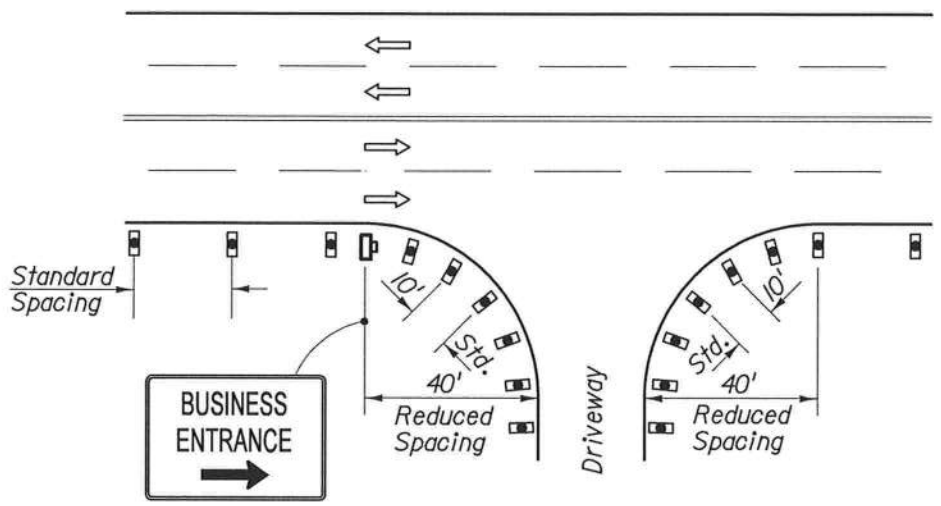
TRAVEL LANE TREATMENT FOR MILLING OR RESURFACING



NOTES

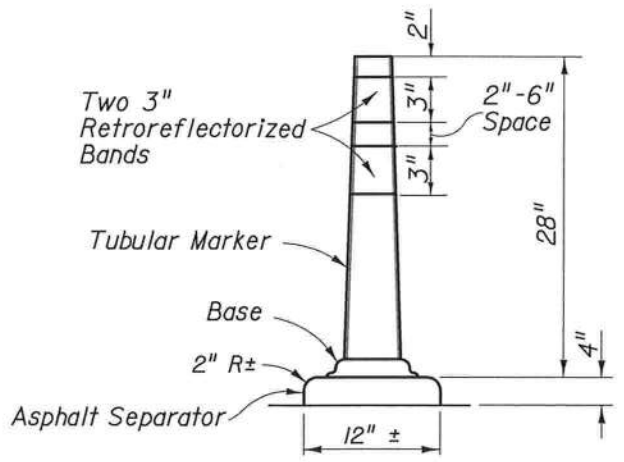
1. This treatment applies to resurfacing or milling operations between adjacent travel lanes.
2. Whenever there is a difference in elevation between adjacent travel lanes, the W8-11 sign with "UNEVEN LANES" is required at intervals of ½ mile maximum.
3. If D is 1½" or less, no treatment is required.
4. Treatment allowed only when D is 3" or less.
5. If the slope is steeper than 1:4 (not to be steeper than 1:1), the R4-1 and MOT-1-04 signs shall be used as a supplement to the W8-11; this condition should never exceed 3 miles in length.

DROPOFFS IN WORK ZONES

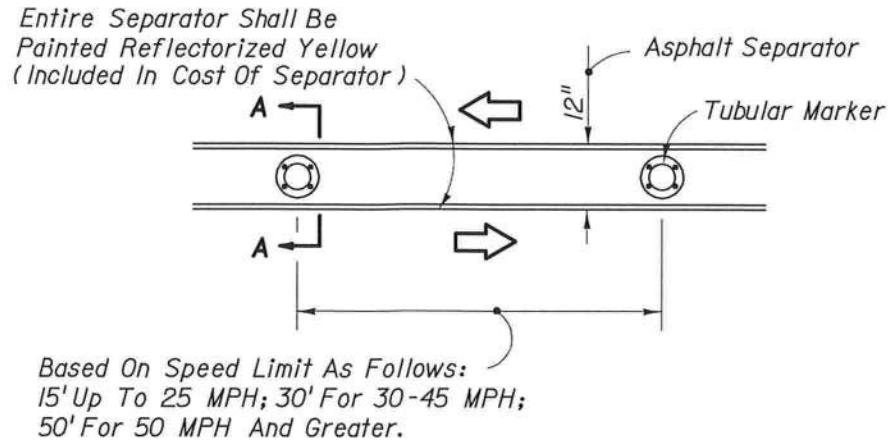


1. Sign height shall be 7' minimum. Sign offset from edge of travel way should be between 6' and 10' and relatively consistent through the project phase.
2. Signs should show specific business names. Logos may be provided by business owners. BUSINESS ENTRANCE sign in accordance with Index 17355 may be used when approved by the Engineer.
3. Place one business sign for each driveway entrance affected. When several businesses share a common driveway entrance, place one sign per common driveway entrance.
4. Channelizing devices should be placed at a reduced spacing on each side of the driveway entrance as to not to interfer with providing sight distances for the driveway user.

PLACEMENT OF BUSINESS ENTRANCE SIGNS AND CHANNELIZING DEVICES AT BUSINESS ENTRANCE



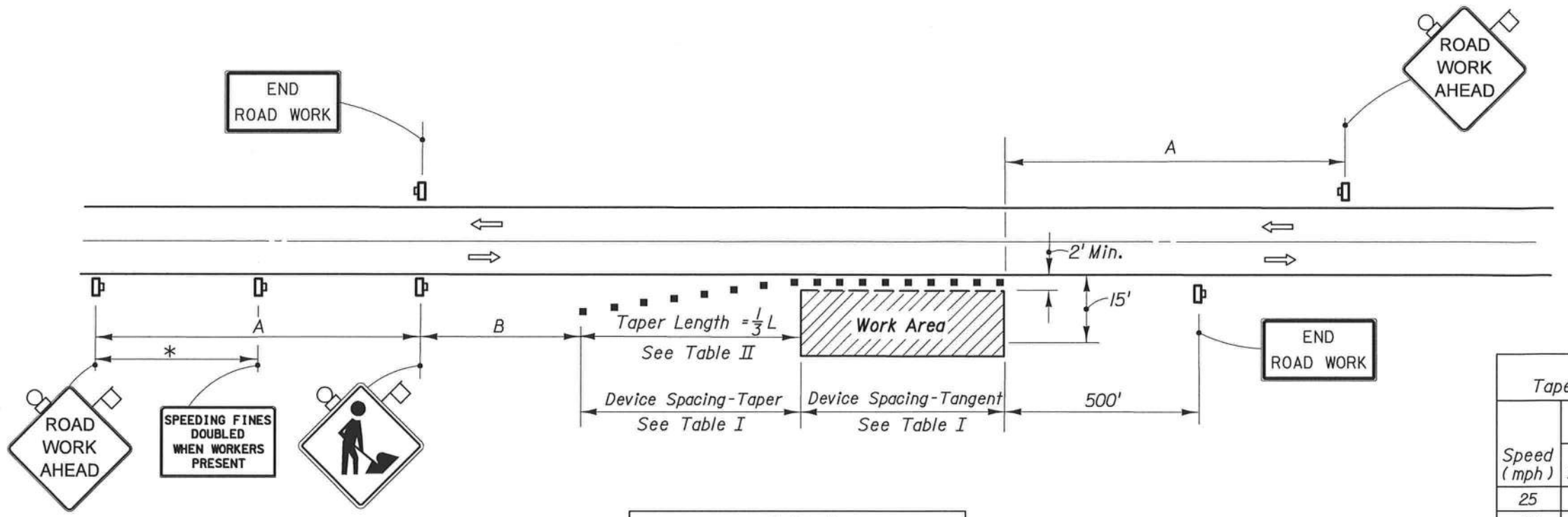
SECTION AA



PLAN

1. The tubular marker is to be made of a flexible material or have a flexible joint at the base such that it will not cause damage to vehicles upon impact and will return to its original shape after being struck by a 5000 lb. vehicle at a velocity of 75 ft./sec.
2. The tubular marker shall be orange with two white retroreflective bands.
3. The tubular marker may be attached by bituminous adhesive or other methods approved by the Engineer.
4. Reflectorized materials shall have a smooth sealed outer surface which will display the same approximate color day and night.
5. 12" openings for drainage will be constructed in the separator island every 25' in areas with grades of 1% or less or every 50' in areas with grades over 1% as directed by the Engineer.
6. Two-Way Traffic sign(s) shall be repeated every $\frac{1}{4}$ mile in each direction, throughout the limits where the temporary traffic separator is used.
7. The Contractor has the option of using temporary traffic separators and tubular type warning devices from the qualified products list in lieu of the temporary asphalt separator and tubular warning device detailed on this sheet.
8. Temporary traffic separator shall be paid for under the contract unit price for Maintenance of Traffic, LS, and will include all materials and work necessary to construct, maintain, and remove the temporary traffic separator. Any damage to existing pavement caused by the removal of temporary traffic separator shall be satisfactorily repaired and the cost of such repairs are to be included in the cost of Maintenance of Traffic, LS.

TEMPORARY ASPHALT SEPARATOR



DISTANCE BETWEEN SIGNS		
Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

* 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Table I
Device Spacing

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Table II
Taper Length - Shoulder

Speed (mph)	1/3 L (ft)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	$L=\frac{WS^2}{60}$
30	40	50	60	
35	55	68	82	
40	72	90	107	
45	120	150	180	L = WS
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width

1/3 L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

SYMBOLS

- Work Area
- Sign With 18" x 18" (Min.) Orange Flag And Type B Light
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

GENERAL NOTES

1. When four or more work vehicles enter the through traffic lanes in a one hour period or less (excluding establishing and terminating the work area), the advanced FLAGGER sign shall be substituted for the WORKERS sign. For location of flaggers and FLAGGER signs, see Index No. 603.
2. WORKERS sign to be removed or fully covered when no work is being performed.
3. SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign only on the side where the shoulder work is being performed.
4. When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
5. For general TCZ requirements and additional information, refer to Index No. 600.

DURATION NOTES

1. Signs and channelizing devices may be omitted if all of the following conditions are met:
   a) Work operations are 60 minutes or less.
   b) Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

ALUMINUM COLUMN (POST) SELECTION TABLE (WIND SPEED = 110 MPH)

TOTAL PANEL AREA (SF) \ 'H' (FT)	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	
3				[0]				[1]			[2]			
4														
5	▨													
6														
7		▨												[3]
8												▨		
9														
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11									▨					
12	▨													
13														
14														[4]
15														
16														
17														
18				▨										[5]
19														
20			▨											[6]

ALUMINUM COLUMN (POST) SELECTION TABLE (WIND SPEED = 130 MPH)

TOTAL PANEL AREA (SF) \ 'H' (FT)	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	
3		[0]				[1]			[2]					
4														
5														[3]
6														
7			▨											
8		▨												
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10							▨							[4]
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16														
17		▨						▨						
18													▨	[6]
19														
20	▨													[7]

ALUMINUM COLUMN (POST) SELECTION TABLE (WIND SPEED = 150 MPH)

TOTAL PANEL AREA (SF) \ 'H' (FT)	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	
3			[1]			[2]								[3]
4														
5			▨							▨				
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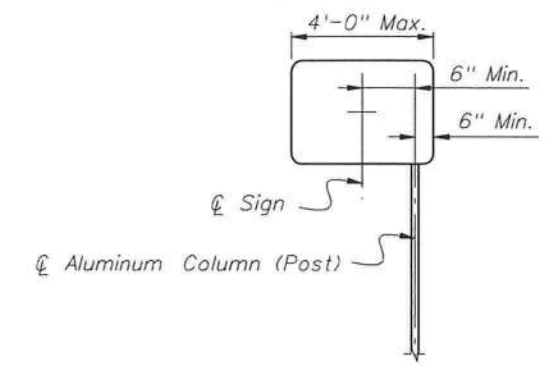
17														
18														
19									▨					
20														[7]

▨ = If CANTILEVER SIGN configuration (see Cantilever Sign Details) falls in this region, use next larger post size than that indicated.

POST AND FOUNDATION TABLE

	Post Size		Foundation Alternatives: Driven Post	Foundation Alternatives: Concrete*	
	Diameter (IN)	Wall (IN)	Depth (FT)	Diameter (FT)	Depth (FT)
[0]	2.0	1/8	6.0	2.0	3.0
[1]	2.5	1/8	7.0	2.0	3.0
[2]	3.0	1/8	7.0	2.0	4.0
[3]	3.5	3/16	8.0	2.0	4.0
[4]	4.0	1/4	---	2.0	5.0
[5]	4.5	1/4	---	2.0	6.0
[6]	5.0	1/4	---	2.0	6.0
[7]	6.0	1/4	---	2.0	6.0

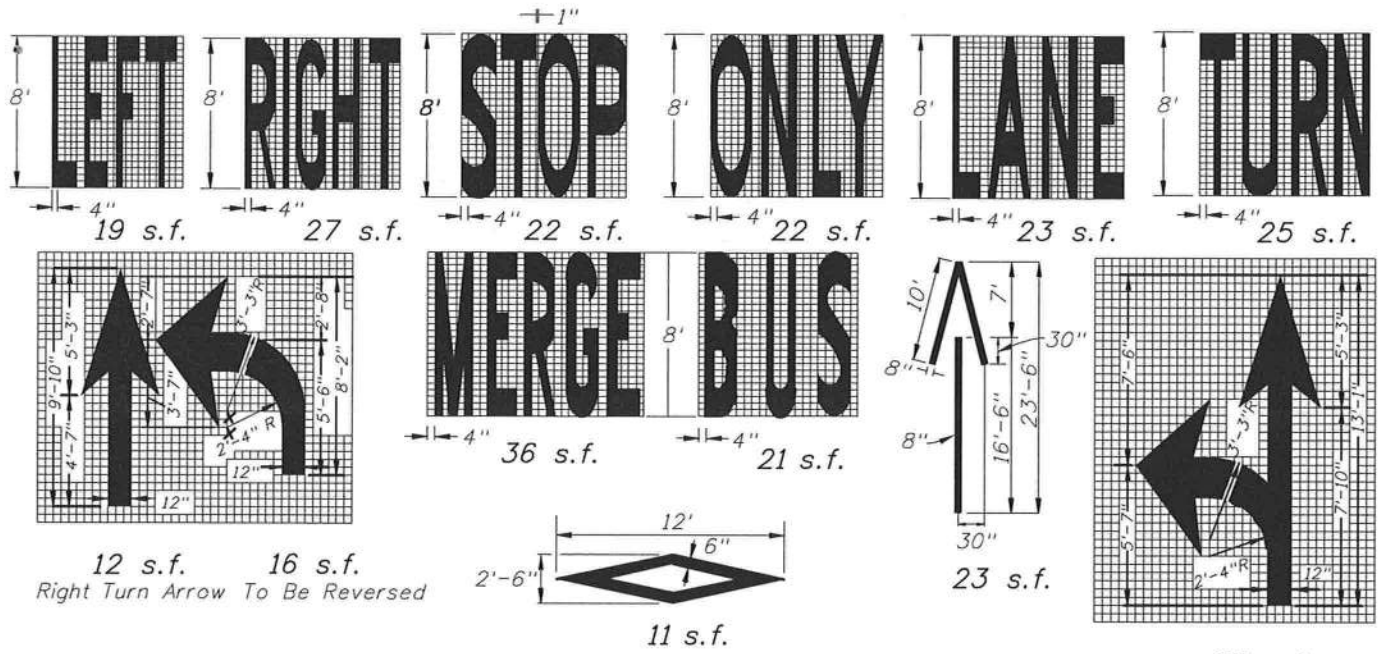
* See Note on Sheet 1 of 8.



CANTILEVER SIGN

NOTE:
All cantilever sign installations shall comply with Standard Index 17302. Column (post) size shall reference to the shaded area in the Column (Post) Selection Table as instructed. Foundation design shall be based on the chosen column (post) size.

POST AND FOUNDATION TABLES



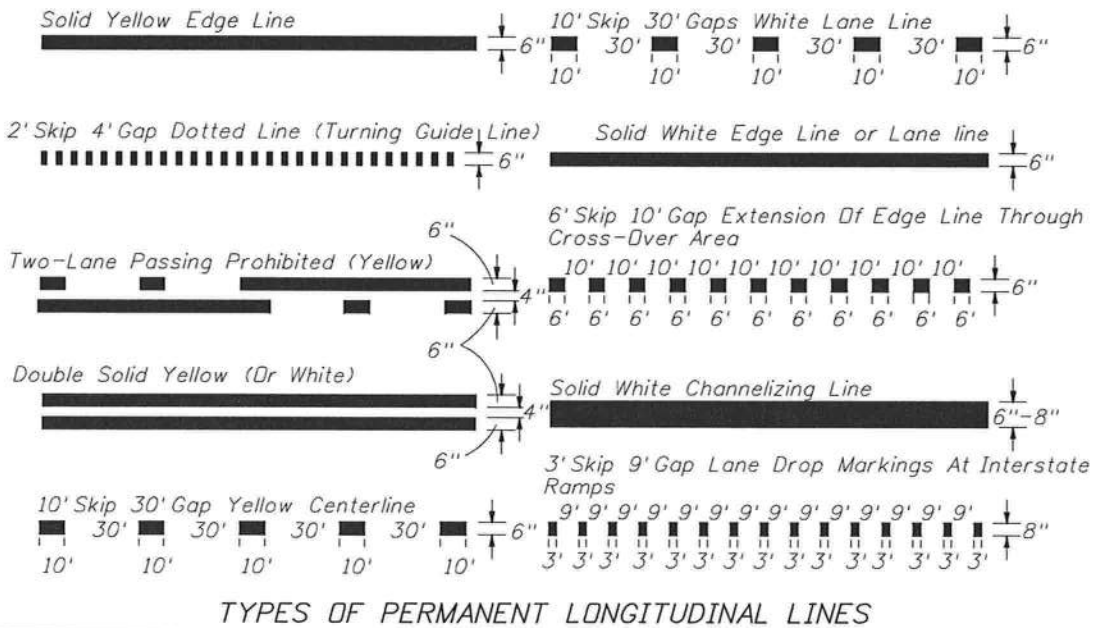
NOTE: When arrow and pavement message are used together, the arrow shall be located down stream of the pavement message and shall be separated from the pavement message by a distance of 15' (Base of the arrow to the base of the message). Stop message shall be placed 15' from back of stop line.

DIMENSIONS ARE WITHIN 1" ±

PAVEMENT ARROW AND MESSAGE DETAILS

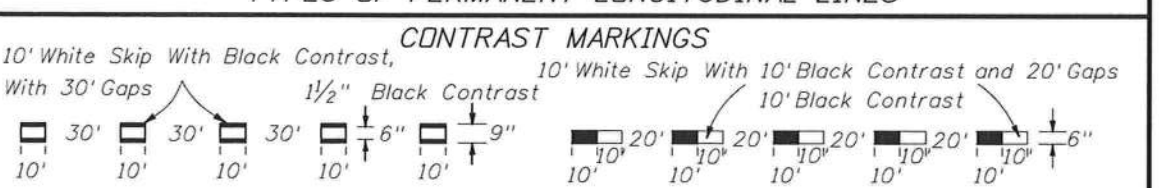
BASIC COLOR RULE:

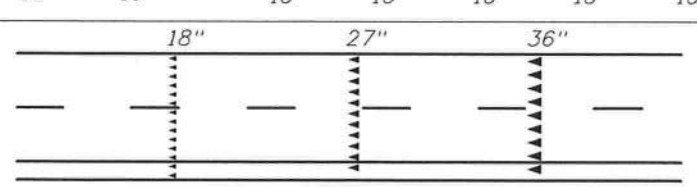
White lines separate traffic in the same direction. Yellow lines separate traffic in opposing directions. Yellow dotted lines may be used in special cases. Black may be used in combination with white for skip lines where a light-colored pavement does not provide sufficient contrast with the markings.

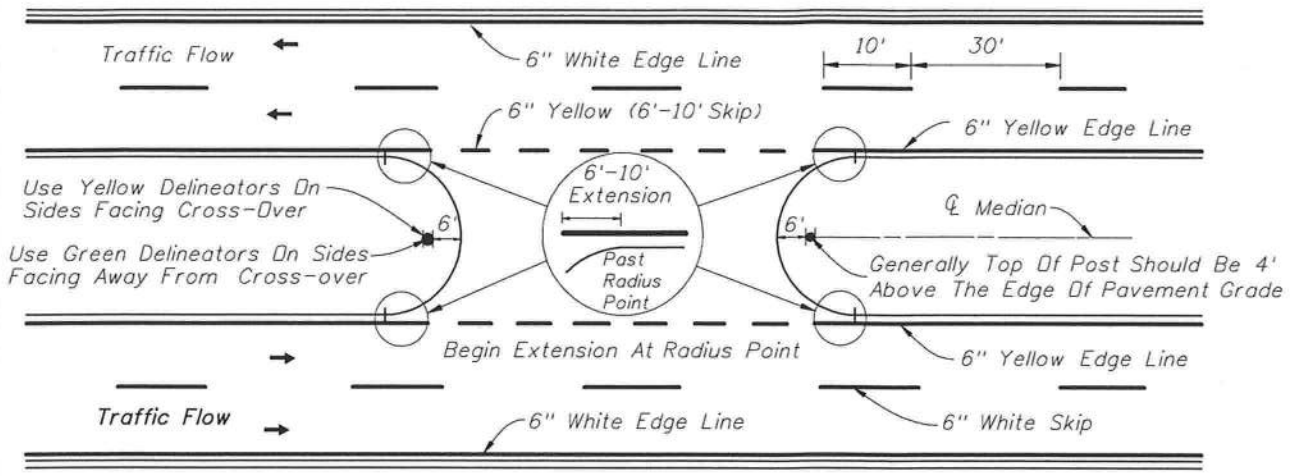


TYPES OF PERMANENT LONGITUDINAL LINES

CONTRAST MARKINGS



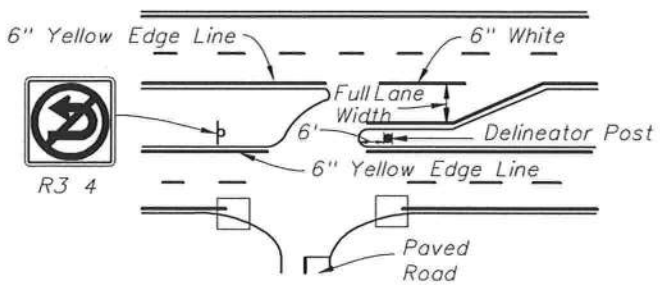


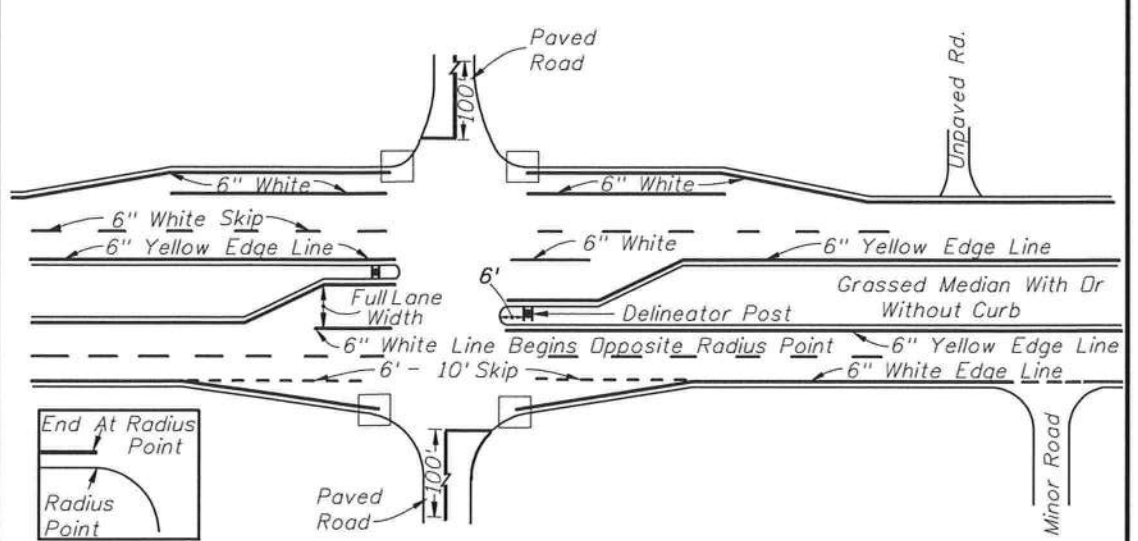


PAVEMENT MARKINGS AND DELINEATORS FOR MEDIAN CROSS-OVER

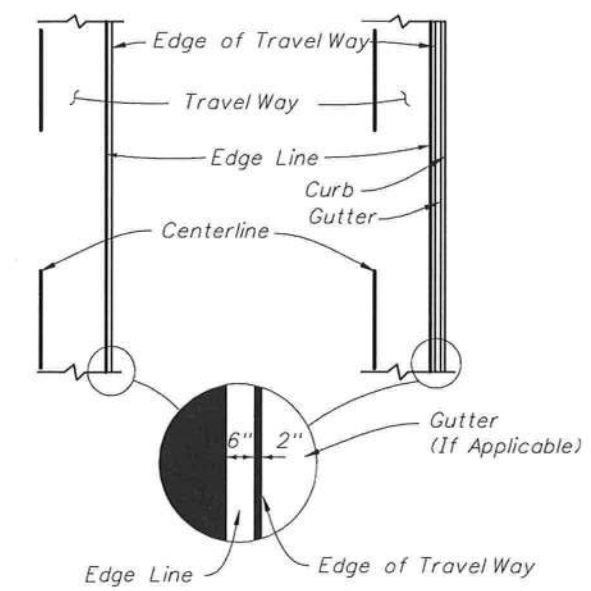
NOTE:

Markings applied to median noses shall be yellow in color.

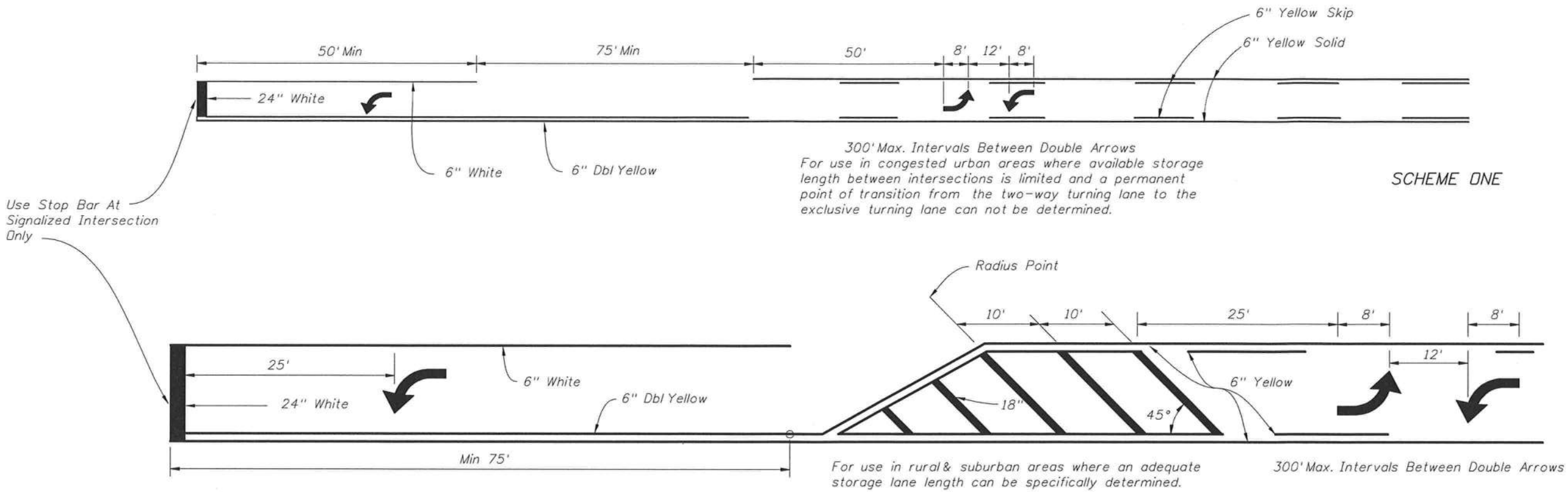




PAVEMENT MARKINGS FOR INTERSECTIONS WITH MAJOR AND MINOR ROADS

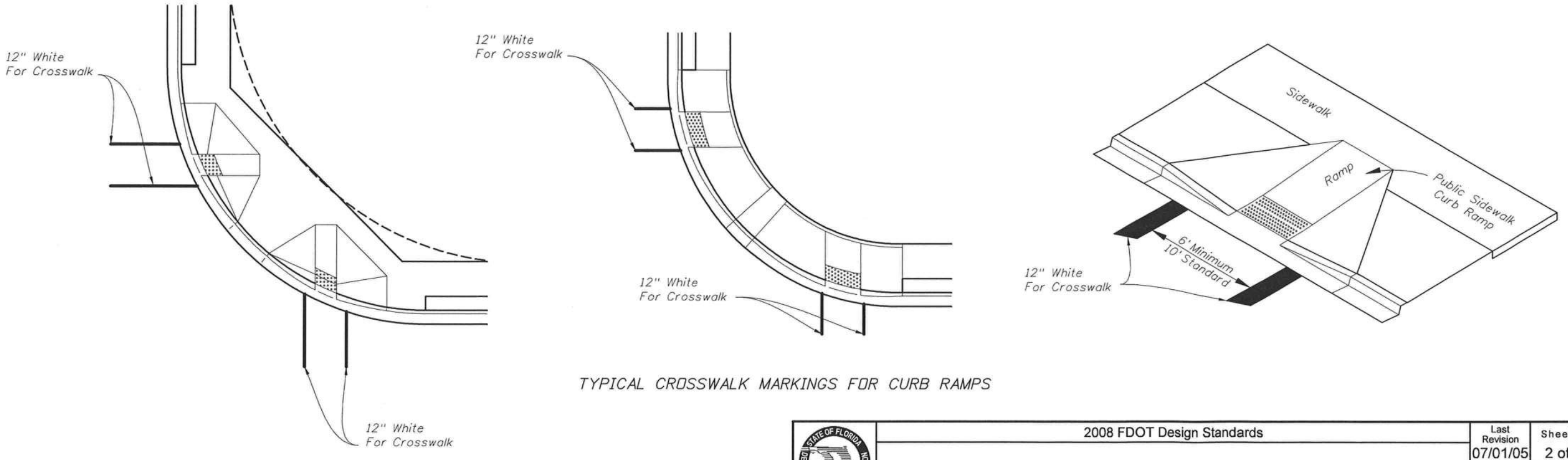


PLACEMENT OF EDGE LINES



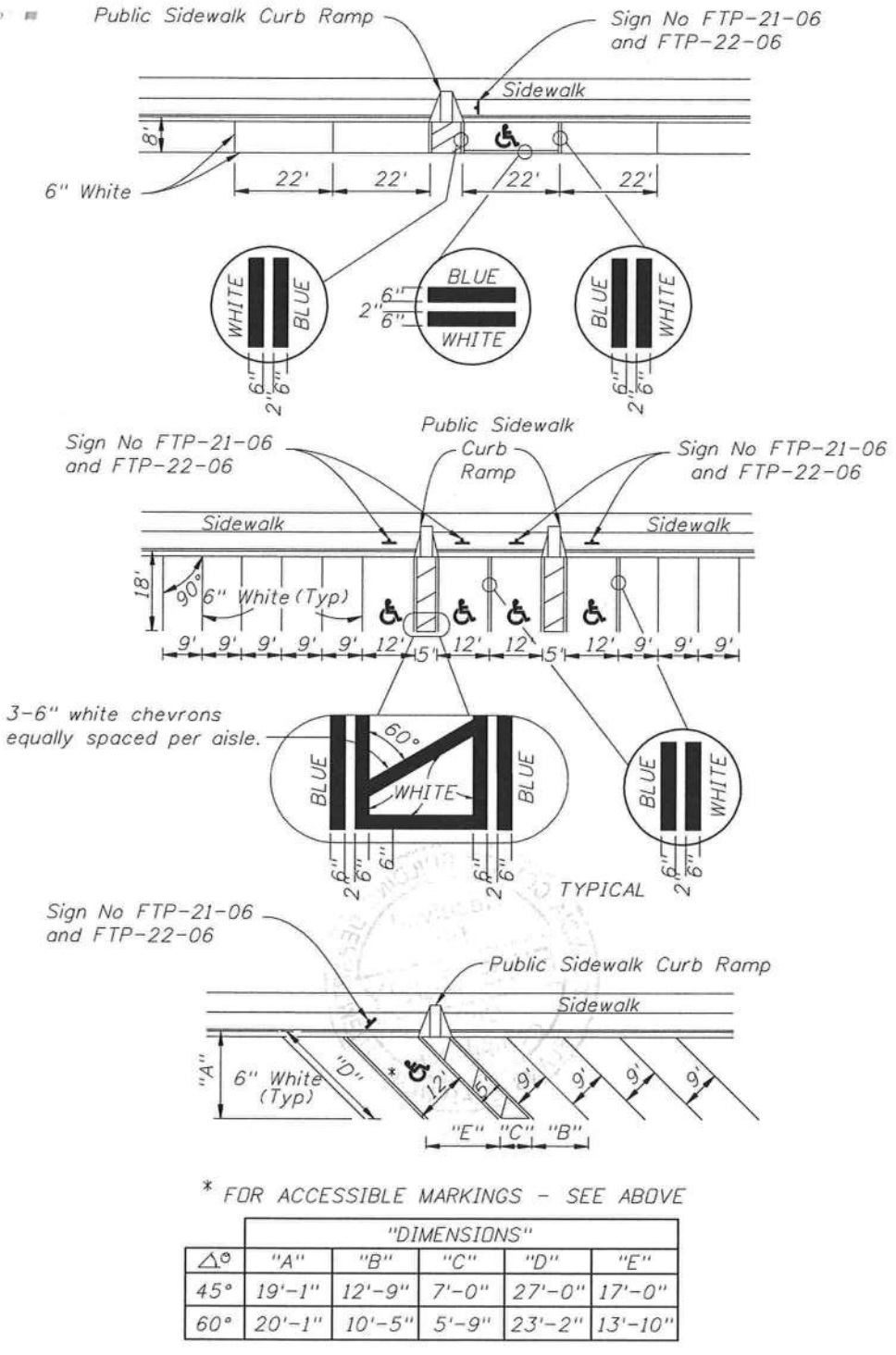
(WITH SINGLE LANE LEFT TURN CHANNELIZATION)

TWO WAY LEFT TURN LANE



TYPICAL CROSSWALK MARKINGS FOR CURB RAMPS

	2008 FDOT Design Standards	Last Revision 07/01/05	Sheet No. 2 of 14
	SPECIAL MARKING AREAS	Index No. 17346	

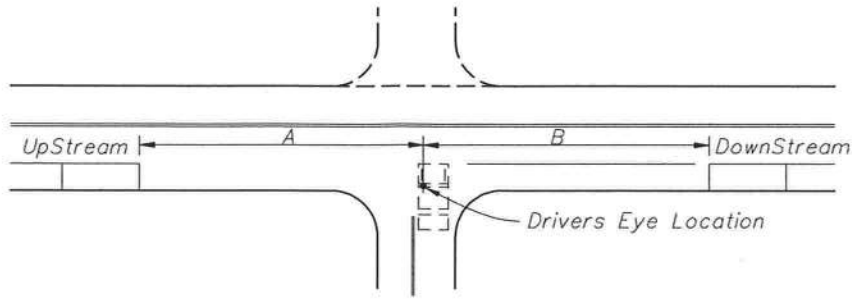


* FOR ACCESSIBLE MARKINGS - SEE ABOVE

△°	"DIMENSIONS"				
	"A"	"B"	"C"	"D"	"E"
45°	19'-1"	12'-9"	7'-0"	27'-0"	17'-0"
60°	20'-1"	10'-5"	5'-9"	23'-2"	13'-10"

NOTES:
1. Dimensions are to the centerline of markings.
2. An Access Aisle is required for each accessible space when angle parking is used.
3. Criteria for pavement markings only, not public sidewalk curb ramp locations. For ramp locations refer to plans.
4. Blue pavement markings shall be tinted to match shade 15180 of Federal Standards 595a.
5. The FTP-22-06 panel shall be mounted below the FTP-21-06 sign.

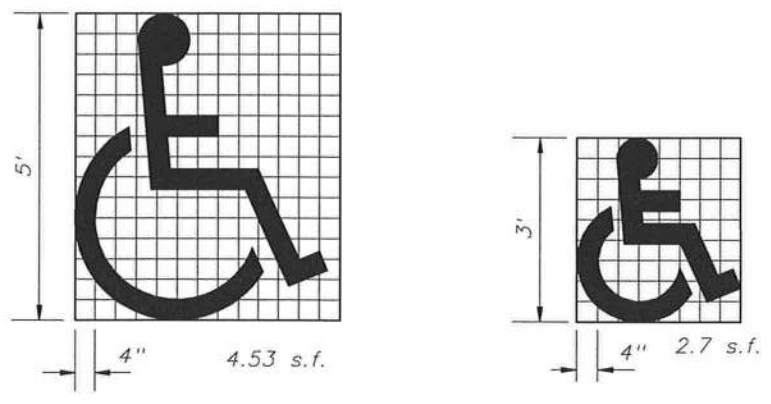
PAVEMENT MARKING FOR PUBLIC SIDEWALK CURB RAMPS IN REST AREAS



SPEED MPH	UP STREAM (A)	DOWN STREAM (B)	
		2 LANE	4 LANE
0-30	85'	60'	45'
35	100'	70'	50'

NOTES
1. Distances measured longitudinally along the street from driver location of entering vehicle to end of parking restriction.
2. Distances applicable to intersecting street, major driveways and other driveways to the extent practical.
3. For nonsignalized intersections, the values above shall be compared with the values for signalized intersections and the maximum restrictions implemented. These restrictions apply to both accessible and nonaccessible parking.

MINIMUM PARKING RESTRICTION FOR NONSIGNALIZED INTERSECTIONS



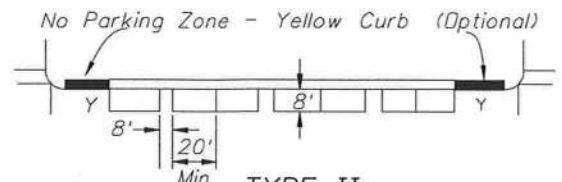
♿ Use of pavement symbol in accessible parking spaces is optional, when used the symbol shall be 3' or 5' high and white in color.

"UNIVERSAL SYMBOL OF ACCESSIBILITY"

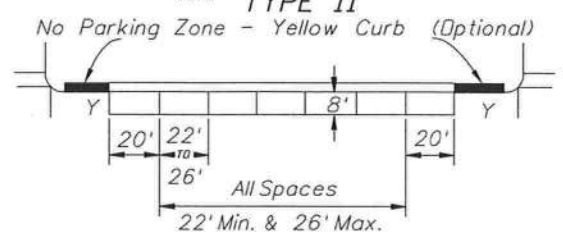
GENERAL NOTES (Signalized & Nonsignalized)

1. For entrances to a one-way street, the downstream restriction may be reduced to 20'.
2. Parking shall not be allowed within 20' of a crosswalk.
3. All parking lane markings shall be 6" white.
4. Parking lane lines shall be broken at driveways.
5. Refer to Chapter 316, Fla. Statutes, for laws governing parking spaces.
6. Where curb and gutter is used, the gutter pan width may be included as part of the minimum width of parking lane, but desirably the lane width should be in addition to that of the gutter pan.

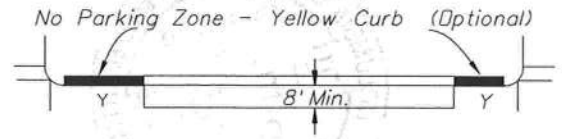
TYPE I



TYPE II



TYPE III



SPEED LIMIT MPH	SIGNALIZED INTERSECTIONS
0-30	30'
35	50'

DISTANCE FROM CURB RADIUS (Y)

PARKING RESTRICTION (FT.) FOR SIGNALIZED INTERSECTION

NOTES:
1. Parking restrictions measured from curb radius point.
2. Restrictions for accessible parking are the same as those applied to nonsignalized intersections.

MINIMUM PARKING RESTRICTION FOR SIGNALIZED INTERSECTION

2008 FDOT Design Standards

SPECIAL MARKING AREAS (PARKING)

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Index No. 17346

Notice of Treatment

Applicator: **Florida Pest Control & Chemical Co. (www.flapest .com)**

Address: 536 SE Baya Dr.

City Lake City, Fl Phone 386 752-1703

Site Location: Subdivision

Lot # ______ Block# ______ Permit # 27954 ~~[illegible]~~

Address 7973 SW CR27 Ft. White

Product used	Active Ingredient	% Concentration
☑ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Perimeter		168	32

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line B.H. .

11-13-09 Date — 11:44 Time — F082 B.H. Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Baya Ave
City Lake City Phone 752-1703

Site Location: Subdivision _____
Lot # _____ Block# _____ Permit # 29954
Address 9973 SW Hwy 27, Ft White

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Ext Perim	180		19

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

9-23-09	12:44	FOSTER H
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©