

ENDECON Inc.

Engineering-Design-Construction Consultants

3608 Banks Road, Raleigh NC 27603

Date: June 30, 2009

Memo to: Town of Erwin Building Inspections

From: Larry W. Wade PE

Subject: Permit # 5515, 1204 Denim Dr.
Guiellrmo Morales, Owner



At the request of Mr. Morales, I visited the subject project on June 24, 2009, to respond to comments on the Inspection Report dated 6-05-2009.

The ceiling is framed with 2 x 8 spf joist @ 16" on center span approx. 20'6". There are three holes drilled through the joist near the center of the span. To correct this problem I provide the following recommendations;

1. Remove all electrical wiring that passes through joists and reroute the wiring such that no drilling of joists is necessary.
2. Install an additional joist adjacent to each existing joist to make the ceiling framing (2) 2 x 8's @ 16" on center.
3. Provide solid blocking or bridging at joist ends and at 1/3rd points along the span length, (2 locations).

The modifications above will support a maximum 20# live load. If you have any questions, please call me at 919-661-9966.



Harnett
COUNTY
NORTH CAROLINA

*workfile
down*

file entered.

6.4.08



Emergency Services Department

www.harnett.org

200 N. 13th Street
Suite 19
Erwin, NC 28339

Mailing Address:
PO Box 370
Lillington, NC 27546

ph: 910-893-7580
fax: 910-893-5025

Plan Review, Inspection and Permit Fees

Application Number 08 -- 50020116

\$100.00	_____	Explosive Materials (90 Days)
\$ 35.00	_____	Explosive Materials (48 Hrs)
\$ 25.00	_____	Fireworks Public Display
\$ 20.00	<u>1</u> _____	Final Inspection
\$ 25.00	_____	Fire Alarm Testing
\$ 25.00	_____	Fixed Fire Suppression
\$ 10.00	_____	Insecticide Fog/Fumigation
\$ 50.00	_____	Testing of Pipes/UST/AGST
\$ 50.00	<u>1</u> _____	Plans up to 5000 ft ²
\$100.00	_____	Plans 5001 ft ² to 10,000 ft ²
\$150.00	_____	Plans 10,001 ft ² to 25,000 ft ²
\$250.00	_____	Plans 25,001 ft ² and over
\$ 25.00	_____	Sprinkler Certification Test
\$ 25.00	_____	Standpipe Testing
\$ 25.00	_____	Special Assembly
\$ 10.00	_____	Temporary Kiosks/Displays
\$ 10.00	_____	Tents greater than 700 ft ²
\$ 50.00	_____	Tank Installation (charge for each tank)
\$ 50.00	_____	Tank Removal (charge for each tank)

\$ 70.00 Total

Teddy M. R.
Code Enforcement Official

6/4/08
Date



June 4, 2008

Guillermo Mateo Morales
91 Hickory Tree Lane

Grocery Store
1204 Denim Drive
Erwin, NC 28339

Application Number 08-50020116

Mr. Morales,

Thank you for submitting the plans for the Grocery Store. The plans have been carefully reviewed by a qualified code enforcement official to examine for full compliance with the North Carolina Fire Prevention Code and all other fire protection regulatory documents. There are some items that were found during the plan review process that need to be addressed before a final inspection of the new facility can be given. These items are outlined and described below.

- **906.1 Fire Extinguishers**
 - Fire extinguishers shall be placed in approved locations as drawn by the code enforcement official on the approved plans.
 - The fire extinguishers provided shall have a minimum rating of 2A:10BC and shall not be installed higher than 5 feet above the finished floor

- **506.1 Knox Box**
 - A secure key box shall be installed on the new building that houses all keys to all the doors within the building in which the fire department would need access to in the event of an emergency
 - Box to be placed on the front of the building where the fire department would access and to be mounted no higher than 5'
 - Knox Box order form is included with this letter.
 - Each exterior door must have a small red Knox sticker. Stickers are on the order form.

- **505.1 Physical Address**
 - The physical address of the building shall be posted in a conspicuous place so that it can be seen on approach from the road, access road, and/or parking lot.
 - The numbers used to make up the physical address shall be at least 5 inches in height.

- **503.1.1 Fire Department Access**
 - The fire department access shall extend to within 150 feet of all portions of the facility.
 - The fire department access road shall be of an unobstructed width of not less than 20 feet and shall have an unobstructed vertical clearance of not less the 13 feet 6 inches.

- **703.1 Rated Fire Walls**
 - Fire walls should be installed according to their listing and all penetrations should be properly sealed with the same rating as the wall itself.
 - Clarify whether the storage portion of the building is a S-1 or S-2 type occupancy. In reference to the separated mixed use occupancy, an S-1 requires a 3 hour separation and S-2 requires a 2 hour separation.

Thank you again for submitting the plans for the Grocery Store. Please review the plans and adhere to any notes and alterations that were made in addition to the original drawings. These remarks are for the plans that were submitted and its original intent. These remarks do not apply if the original intent changes or what was submitted on the above date changes. If you have any questions, please do not hesitate to call this office.

Again, thank you and we look forward to working with you during the construction period!

Sincerely,



T.J. McLamb, CFI
Chief Deputy Fire Marshal

Fire Marshal/Emergency Management

Mailing: P. O. Box 370 Lillington, NC 27546
Physical: 200 North 13th Street, Suite 19
Erwin, NC 28339

910-893-7580
910-893-5025

APPLICATION FOR PLAN REVIEW

APPLICATION NUMBER: 08-50020114
TODAY'S DATE: 05/20/08 RECEIVED BY: [Signature]
SUBMITTED BY: ~~HISPANIC STORE~~ QUILLERMO MATEO MORALES
NAME OF PROJECT: GROCERY STORE
PHYSICAL ADDRESS: 1204 Denim Dr.
PHONE NUMBER: 919 669 4672 EXT.: _____
CONTACT PERSON: QUILLERMO MATEO MORALES
MAILING ADDRESS: 91 HICKORY TREE LANE
PHONE NUMBER: 919 669 4672
CONTRACTOR'S NAME: _____
MAILING ADDRESS: _____
PHONE NUMBER: _____

NOTICE

PLANS THAT ARE SUBMITTED WILL BE REVIEWED AS QUICKLY AS POSSIBLE, WITH AN AVERAGE TIME OF REVIEW BETWEEN 7 - 10 WORKING DAYS.

1. What did this use to be

TABLE 2308.10.2(2)
CEILING JOIST SPANS FOR COMMON LUMBER SPECIES
(Uninhabitable Attics With Limited Storage, Live Load = 20 pounds per square foot, $L/\Delta = 240$)

CEILING JOIST SPACING (inches)	SPECIES AND GRADE		DEAD LOAD = 10 pounds per square foot			
			2 x 4	2 x 6	2 x 8	2 x 10
			Maximum ceiling joist spans			
		(ft. - in.)	(ft. - in.)	(ft. - in.)	(ft. - in.)	
12	Douglas Fir-Larch	SS	10-5	16-4	21-7	Note a
	Douglas Fir-Larch	#1	10-0	15-9	20-1	24-6
	Douglas Fir-Larch	#2	9-10	14-10	18-9	22-11
	Douglas Fir-Larch	#3	7-8	11-2	14-2	17-4
	Hem-Fir	SS	9-10	15-6	20-5	Note a
	Hem-Fir	#1	9-8	15-2	19-7	23-11
	Hem-Fir	#2	9-2	14-5	18-6	22-7
	Hem-Fir	#3	7-8	11-2	14-2	17-4
	Southern Pine	SS	10-3	16-1	21-2	Note a
	Southern Pine	#1	10-0	15-9	20-10	Note a
	Southern Pine	#2	9-10	15-6	20-1	23-11
	Southern Pine	#3	8-2	12-0	15-4	18-1
	Spruce-Pine-Fir	SS	9-8	15-2	19-11	25-5
	Spruce-Pine-Fir	#1	9-5	14-9	18-9	22-11
	Spruce-Pine-Fir	#2	9-5	14-9	18-9	22-11
	Spruce-Pine-Fir	#3	7-8	11-2	14-2	17-4
	16	Douglas Fir-Larch	SS	9-6	14-11	19-7
Douglas Fir-Larch		#1	9-1	13-9	17-5	21-3
Douglas Fir-Larch		#2	8-9	12-10	16-3	19-10
Douglas Fir-Larch		#3	6-8	9-8	12-4	15-0
Hem-Fir		SS	8-11	14-1	18-6	23-8
Hem-Fir		#1	8-9	13-5	16-10	20-8
Hem-Fir		#2	8-4	12-8	16-0	19-7
Hem-Fir		#3	6-8	9-8	12-4	15-0
Southern Pine		SS	9-4	14-7	19-3	24-7
Southern Pine		#1	9-1	14-4	18-11	23-1
Southern Pine		#2	8-11	13-6	17-5	20-9
Southern Pine		#3	7-1	10-5	13-3	15-8
Spruce-Pine-Fir		SS	8-9	13-9	18-1	23-1
Spruce-Pine-Fir		#1	8-7	12-10	16-3	19-10
Spruce-Pine-Fir		#2	8-7	12-10	16-3	19-10
Spruce-Pine-Fir		#3	6-8	9-8	12-4	15-0

(continued)

Permit

5515

TOWN OF ERWIN
PERMIT APPLICATION

Date: 2-8-08

Permit Type: () Residential () Commercial
(X) Building (X) Electrical (X) Plumbing () Mechanical
() Insulation () Other _____
() Zoning

Property Owner/Applicant Guillermo Morales
Address: 1204 Denim Dr Phone: 919-669-4622/910-897-0543
Erwin, NC 28339

Tax Parcel No. _____ Zone: CB

Purpose of Structure: Remodel Est. Cost: 15,000
Building Area: Total Heated: 1500 sq. ft. Construction Type: Comm
Total Unheated: _____ sq. ft. Occupancy Type: _____
Porches/Decks/Etc.: _____ sq. ft.

	AMOUNT	CONTRACTOR	LIC. No	PHONE
Zoning				
Building	<u>225</u>	<u>Guillermo Morales</u>		
Electrical				
Mechanical				
Plumbing				
Insulation	<u>15</u>	<u>"</u>	<u>"</u>	
Other				
TOTAL	<u>240</u>			

Certificate of Compliance Issued: _____ Certificate of Occupancy Issued: _____

I hereby certify that all information in this application is correct and all work will comply with the State Building Code and all other applicable State and Local laws and ordinances and regulations. The Inspection Department will be notified of any changes in the approved plans and specifications for the project permitted herein.

Guillermo Mateo Morales
Signature Owner/Applicant

Town of Erwin Planning/Inspections Department
100 West F Street
P. O. Box 459
Erwin, N. C. 28339
(910) 897-5648

[Signature]
Building Inspector
TOWN OF ERWIN
FEB 8 2008
PAID

Inspection Notice
Town of Erwin
Inspection Department
897-5648

Approved

Rejected

New

Building

Electrical

Plumbing

Existing

HTG. & A/C

Mobile Home

Energy

Gas

Zoning

Date: 6-5-09 Permit# 5515

Owner Guillermo Morales

Address 1204 DENIM DRIVE

The Following Conditions Need Correcting:

Framing & Electrical

1. 2x8 ceiling joists have a maximum span of 16', these joists span 20'6". Will need an engineer letter on method of correction.

2. Need nailguards on studs where holes for wiring are closer than 1 1/4" from edge.

Inspector Mike Blackman

DO NOT REMOVE THIS NOTICE

3. Need to draft stop holes in top plate

Inspection Notice
Town of Erwin
Inspection Department
897-5648

Approved

Rejected

New

Building

Electrical

Plumbing

Existing

HTG. & A/C

Mobile Home

Energy

Gas

Zoning

Date: 06-05-09

Permit# 5515

Owner Guier/Hano Morales

Address 1204 Denim Drive

The Following Conditions Need Correcting:

Plumbing

Water test ok

Sewer line outside ok

Inspector Duke Blackmer

DO NOT REMOVE THIS NOTICE