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.

Page 1 of 2 (Both Pages must be submitted together.)

1/27/09 Revised 1-10-08

#### Columbia County Building Permit Application

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.

#### 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:

<u>YOU ARE HEREBY NOTIFIED</u> 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.

<u>WARNING TO OWNER:</u> 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.

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.

Contractor's License Number CBC 654575

Columbia County
Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 12th day of 15th Market 20 08.

Personally known or Produced Identification

SEAL:

State of Florida Notary Signature (For the Contractor)

REBECCA DUGAN
MY COMMISSION #DD452939
EXPIRES: JUL 20, 2009
Bonded through 1st State Insurance

### PHASE 3 AREA SUMMARY CONDITIONED AREA 2,400 SF

#### **PROJECT SUMMARY**

**EXISTING SANCTUARY** 

MAIN FLOOR = 16,980 SF

PHASE 1

UPPER FLOOR = 4,270 SF CONDITIONED AREA = 7,200 SF

PORTE COSHERE = 832 SF

PHASE 2

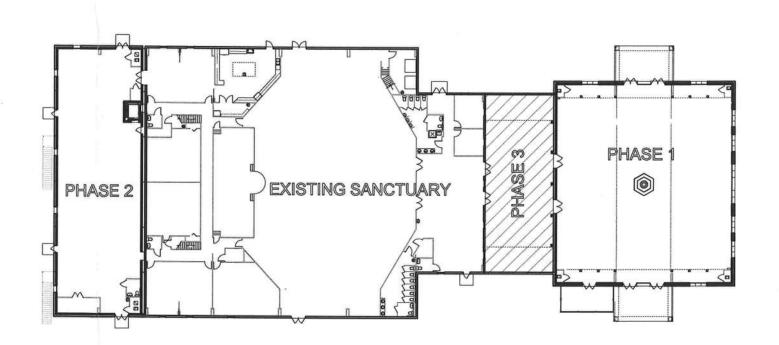
MAIN FLOOR 4,800 SF

UPPER FLOOR 4,800 SF

PHASE 3

CONVERTED PORTE CO = 1,800 SF ADDITIONAL ENCLOSED AREA = 600 SF

TOTAL ACCUMULATED SQUARE FOOTAGE = 41,282 SQ. FT.



**KEY PLAN** 

# >> Print as PDF <<

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THIS INSTRUMENT WAS PREPARED BY: TERRY McDAVID POST OFFICE BOX 1328 LAKE CITY, FL 32056-1328 RETURN TO TERRY McDAVID POST OFFICE BOX 1328 LAKE CITY, FL 32056-1328 File No. <u>08-252</u>

STATE OF FLORIDA, COUNTY OF COLUMBIA I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office. P. DeWITT CASON, CLERK OF COURTS

Date



PERMIT NO

TAX FULIU NOS.:

#### NOTICE OF COMMENCEMENT

STATE OF FLORIDA COUNTY OF COLUMBIA

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

1. Description of property:

SEE EXHIBIT A ATTACHED HERETO AND MADE A PART HEREOF.

- 2. General description of improvement: Construction of
- 3. Owner information:
  - Name and address: CHRIST CENTRAL MINISTRIES, INC.
  - Interest in property: Fee Simple
- C. Name and address of fee simple title holder (if other than
- Owner):
  - Contractor: Bryan Zecher Construction 4. a. Post Office Box 815, Lake City, Florida 32056
    - Contractor's phone Number: (386) 752-8653 b.
  - Surety n/a
    - Name and address: None
    - Phone Number:
    - Amount of Bond: C.
  - Lender: COLUMBIA BANK 6. a. 173 NW Hillsboro Street, Lake City, Florida 32055
    - b. Lender's phone Number: (386) 754-8888
- Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None
  - Phone Numbers of designated persons:
- In addition to himself or herself, Owner designates Roger Ward of Columbia Bank, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.
  - Phone Number of person or entity by owner: (386)754-8888

- Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).
- 10. This Notice of Commencement replaces the Notice of Commencement recorded in Official Records Book 1151/1158 Page 1601/2104, by vertue of the Termination of the Notice of Commencement recorded in Official Records Book 1159, Pages 165-166 public records of Columbia County, Florida, which is null and void.

"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 WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT."

CHRIST CENTRAL MINISTRIES, INC.

LONNIE RAY JOHNS, JR. President

BRADLEY N. DICKS, Secretary

STATE OF FLORIDA COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 29th day of September, 2008, by LONNIE RAY JOHNS, JR., President and BRADLEY N. DICKS, Secretary of CHRIST CENTRAL MINISTRIES, INC., a Florida corporation. They are personally known to me and did not take an oath.

LISA C. OGBURN
MY COMMISSION & DD 787010
EXPIRES: May 8, 2012
Bonded Thru Notary Public Undervirtures

Notary Public My commission expires:

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.

CHRIST CENTRAL MINISTRIES, INC.

MIE PAY JOANS JR. President

By: Drawlou Ducks, Secretary

#### EXHIBIT A

PARCEL NO. 1:

#### TOWNSHIP 4 SOUTH - RANGE 16 EAST

SECTION 26: Part of the West Half of the NW 1/4 of said Section 26, Columbia County, Florida, more particularly described as follows:

Commence at the SW Corner of the SW 1/4 of the NW 1/4 of said Section 26; thence N 88°44'04"E along the South line of said NW 1/4 a distance of 803.95 feet to the POINT OF BEGINNING; thence continue N 88°44'04"E along said South line, 537.73 feet to the SE Corner of the aforementioned SW 1/4 of the NW 1/4; thence N 02°43'03"W along the East line of said West Half of the NW 1/4 a distance of 2631.28 feet to a point on the South right-of-way line of County Road No. 242 (an 80 foot wide public right-of-way as presently established); thence S 89°16'21"W along said right-of-way line, 60.00 feet; thence S 02°29'47"E, 408.21 feet; thence S 87°46'30"W, 658.78 feet to a point on the Westerly right-of-way line of the old ACL Railroad; thence S 28°26'30"W along said Westerly line, 419.89 feet; thence N 87°46'30"E, 409.97 feet to a point on the West line of lands described in Official Records Book 688, Page 732 of the Official Records of Columbia County, Florida; thence S 02°13'30"E along said West line, 815.00 feet to the Southerly most NW Corner of lands described in Official Records Book 764, Page 1268 of said Official Records; thence S 02°43'03"E along the West line of said lands; 1040.19 feet to the POINT OF BEGINNING. Being the same lands as those described in Official Records of Columbia County, Florida; and those lands deeded to Philip D. Engle and his wife, Cheryl O. Engle by Columbia Service Company, Inc.

PARCEL NO. 2:

#### TOWNSHIP 4 SOUTH - RANGE 16 EAST

SECTION 26: Commence at the Southwest corner of the SW 1/4 of the NW 1/4 in Section 26, Township 4 South, Range 16 East, and run thence S 84°00'00"W, a distance of 50.07 feet; thence N 02°13'00"W, a distance of 575.00 feet; thence N 87°46'30"E, a distance of 417.89 feet; thence N 02°13'30"W, a distance of 450.56 feet to the POINT OF BEGINNING; thence S 87°46'30"W, a distance of 461.98 feet to the East right-of-way line of the New Dyal Road; thence N 28°36'30"E, along said East right-of-way 951.57 feet; thence N 87°46'30"E, a distance of 401.85 feet; thence S 02°13'30"E, a distance of 815.00 feet; thence S 87°46'30"W, a distance of 430.99 feet to the POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA.

OFFICIAL RECORDS 1505.00

Prepared by and return to: JOHN E. NORRIS NORRIS, KOBERLEIN & JOHNSON, P.A. P. O. DRAWER 2349 LAKE CITY, FL 32056-2349

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MBIA COUNT

on and recorded in public.
On Jan 18 Ph 2: 24

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Intangible Tax
P. Dewrit Cason
Clerk of Opurt
By D.C.

#### WARRANTY DEED

THIS INDENTURE, Made this 17th day of January, 2001, between PHILIP D. ENGLE, a/k/a PHILIP DAVID ENGLE, and CHERYL O. ENGLE, a/k/a CHERYL O'DAY ENGLE, his wife, Rt. 15, Box 1235, Lake City, Florida 32024, Grantors, and CHRIST CENTRAL MINISTRIES, INC., a Florida corporation, FEIN P. O. Box 1703, Lake City, Florida 32056, Grantee,

#### WITNESSETH:

That said Grantors, for and in consideration of the sum of TEN and No/100 (\$10.00) DOLLARS, and other good and valuable considerations to said Grantors in hand paid by said Grantee, the receipt whereof is hereby acknowledged, have granted, bargained and sold to the said Grantee, and Grantee's successors and assigns forever, the land, situate, lying and being in Columbia County, Florida, described in Schedule A attached hereto and by this reference made a part hereof, SUBJECT TO the following:

- (a) Taxes and special assessments for 2001 and subsequent years;
- (b) Easement to American Telephone and Telegraph Company dated October 27, 1965, recorded in Official Records Book 211, Page 90, public records of Columbia County, Florida.
- (c) Existing County Road right-of-way for Dyal Road along Northwesterly side.
- (d) Restrictions shown in Warranty Deed recorded in Official Records Book 462, Page 698, public records of Columbia County, Florida.
- (e) Restrictions shown in Warranty Deed recorded in Official Records Book 624, Page 173, public records of Columbia County, Florida.
- (f) Restrictions shown in Special Warranty Deed dated September 1, 1992, recorded in Official Records Book 764, Page 1268, public records of Columbia County, Florida.
- (g) Easement along Northwesterly side held by Florida Gas Transmission Company.
- (h) Grant of Easement to Claudius F. Johns, III and Linda D. Johns, his wife, dated February 29, 1996, recorded in Official Records Bok 818, Page 1699, corrected by

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Corrective Grant of Easement dated November 21, 1999, recorded in Official Records Book 892, Page 2234, public records of Columbia County, Florida.

OFFICIAL; REWISSIE easements.

And said Grantors do hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, Grantors have hereunto set their hands and seals the day and year first above written.

Signed, sealed and delivered in the presence of:

Sign Jan - Tommer Print Jeun F. Norms

Print Diane A. CKEUS

thing D Engle (SEAL)

Cile (SEAL)

STATE OF FLORIDA COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 17th day of January, 2001, by PHILIP D. ENGLE, a/k/a PHILIP DAVID ENGLE and CHERYL O. ENGLE, a/k/a CHERYL O'DAY ENGLE, his wife, each of whom is personally known to me or has produced as identification.

NOTARY PUBLIC:

Sign Night A. Com

State of Florida at Large (Seal)

My Commission Expires:

OFFICIAL NOTARY SEAL
DIANE A CREWS
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC709245
MY COMMISSION EXP. FEB. 9.2002

#### BK 09 18 PG 1069

OFFICIAL RECORDS

#### SCHEDULE A

#### TOWNSHIP 4 SOUTH, RANGE 16 EAST

Section 26:

Part of the West Half of the NW 1/4 of said Section 26, Columbia County, Florida, more particularly described as follows:

Commence at the SW Corner of the SW 1/4 of the NW 1/4 of said Section 26; thence N.88°44'04"E. along the South line of said NW 1/4 a distance of 803.95 feet to the POINT OF BEGINNING; thence continue N.88°44'04" E along said South line, 537.73 feet to the SE Corner of the aforementioned SW 1/4 of the NW 1/4; thence N.02°43'03" W. along the East line of said West Half of the NW 1/4 a distance of 2631.28 feet to a point on the South right-of-way line of County Road No. 242 (an 80 wide public right-of-way as presently established); thence S.89°16'21"W. along line, right-of-way 60.00 feet; thence S.02°29'47"E., 408.21 feet; thence S.87°46'30"W., 658.78 feet to a point on the Westerly right-of-way line of the old ACL Railroad; thence S.28°26'30"W. along said Westerly line, 419.89 feet; thence N.87°46'30"E., 409.97 feet to a point on the West line of lands described in Official Records Book 688, Page 732 of the Official Records of Columbia County, Florida; thence S.02°13'30"E. along said West line, 815.00 feet to the Southerly most NW Corner of lands described in Official Records Book 764, Page 1268 of said Official Records; thence S.02°43'03"E. along the West line of said lands, 1040.19 feet to the POINT OF BEGINNING. Containing 30.36 acres, more or less. Being the same lands as those described in Official Records Book (ORB) 688, Page 732 and ORB 764, Page 1268 of the Official Records of Columbia County, Florida, and those lands deeded to Philip D. Engle and his wife, Cheryl O. Engle by Columbia Service Company, Inc.

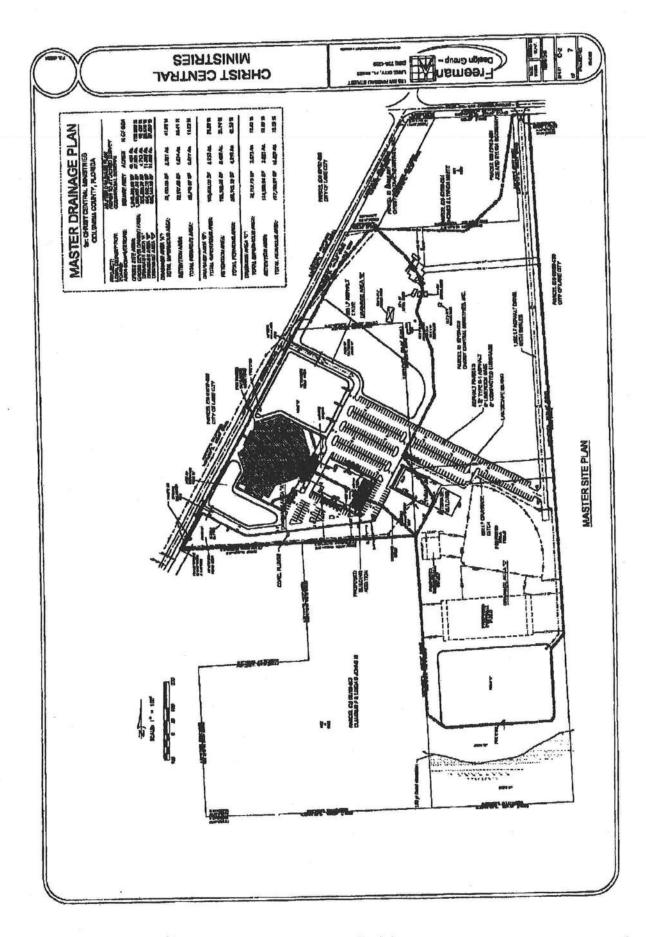
Parcel No. 26-45-

# STATE OF FLORIDA DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT 09-009-6

-- PARTIL-SITE PLAN---09:12:01PM;ENVIHUNMENIAL

\_ County Health Department ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT Not Approved Savetre 9 Site Plan eubmitted by:



NAME	ADDRESS	* *	OFFICE
Lonnie Ray Johns, Jr.	Post Office Box 1703	7	President
	Lake City, FL 32056-1703		(Chairman)

#### **ARTICLE VI**

The corporation shall have a membership distinct from the Pastor's Council. All members must be of the Christian faith and believe in God, and must be accepted for membership in the manner prescribed in the by-laws of the corporation. The authorized number, different classes of membership, if any, the property, voting and other rights and privileges of the members and their obligations shall be set forth in the by-laws to be proposed by the Pastor's Council and accepted by a majority of the membership.

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

EnergyGauge FLA/COM 2004 v3.00 -- Form 400A-2004

Method A: Whole Building Performance Method for Commercial Buildings Effective December 8, 2006

#### PROJECT SUMMARY

Short Desc: New Prj

Description: Christ Central Ministries Add

Owner: Christ Central Ministries

City: Lake City

Address1: Dyal Road

State: FL

Address2:

**Zip:** 32025

Type: Religious Building

Class: New Finished building

Jurisdiction: COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)

Cond Area: 9600 SF

Cond & UnCond Area: 9600 SF

No of Storeys: 1

Area entered from Plans 9600 SF

Permit No: 0 27 596

Max Tonnage 10

If different, write in:

221000

Component	Design	Criteria	Result
Gross Energy Use	21,997.8	25,379.3	PASSES
LIGHTING CONTROLS			PASSES
EXTERNAL LIGHTING			PASSES
HVAC SYSTEM	ж		<b>PASSES</b>
PLANT			None Entered
WATER HEATING SYSTEMS			None Entered
PIPING SYSTEMS			None Entered
Met all required compliance from Check List?			Yes/No/NA

IMPORTANT NOTE: An input report of this design building must be submitted along with this Compliance Report.

#### CERTIFICATIONS

Florida Energy Code  Prepared By:			ompliance with the
Date:	1/19/09	Date:	
I certify that this building is in o	compliance with the FLorida Energy E	Efficiency Code	
Owner Agent:		Date:	
If Required by Florida law, I he Energy Efficiency Code	ereby certify (*) that the system design	n is in complianc	e with the FLorida
Architect:	William H. Freeman	Reg No:	PE #56001
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:	PE #56001
	ere Florida Law requires design to be nd registration numbers may be used ans.		

Project: New Prj Title: Christ Central Ministries Addition

Type: Religious Building (WEA File: JACKSONVILLE.TMY)

XX/L al	. D!	14:	C	1:
AA HOL	e bui	lains	Comp	папсе

	Design	Reference	
ı	86.86	100.00	
	\$21,998	\$25,379	
ELECTRICITY(MBtu/k	86.86	100.00	
Wh/\$)	440838	507586	
	\$21,998	\$25,379	
AREA LIGHTS	2.41	9.27	
	12250	47038	
	\$611	\$2,352	
MISC EQUIPMT	6.37	6.37	
	32350	32350	
	\$1,614	\$1,618	
PUMPS & MISC	0.01	0.01	
	17	18	
	\$1	\$1	
SPACE COOL	25.25	26.30	
	128168	133489	
	\$6,396	\$6,674	
SPACE HEAT	7.24	6.79	
	36771	34500	
	\$1,835	\$1,725	
VENT FANS	45.57	51.26	
	231282	260191	
	\$11,541	\$13,010	

Credits & Penalties (if any): Modified Points: = 86.86

PASSES

Project: New Prj

Title: Christ Central Ministries Addition

Type: Religious Building

(WEA File: JACKSONVILLE.TMY)

<b>External</b>	Lighting	Comp	liance

Description	Category		Area or Length or No. of Units (Sqft or ft)		CLP (W)
Ext Light 1	Main entries	30.00	400.0	12,000	1,000
Ext Light 2	Canopies (freestanding, attached and Overhangs)	1.25	400.0	500	1,200
Ext Light 4	Uncovered Parking Areas Parking lots and Drives	0.15	2,000.0	300	2,500

Design: 4700 (W) PASSES
Allowance: 12800 (W)

Project: New Prj

Title: Christ Central Ministries Addition

Type: Religious Building

(WEA File: JACKSONVILLE.TMY)

#### **Lighting Controls Compliance**

Acronym	Ashrae ID	Description	Area (sq.ft)	No. of Tasks	Design CP	Min CP	Compli- ance
Pr0Zo1Sp1	12	Lobby (General) - Reception and Waiting	2,400	1	1	1	PASSES
Pr0Zo1Sp2	13	All Sports - Seating Area	4,950	1	2	2	<b>PASSES</b>
Pr0Zo1Sp3	13	All Sports - Seating Area	2,250	1	1	1	PASSES

PASSES

Project: New Prj

Title: Christ Central Ministries Addition

Type: Religious Building

(WEA File: JACKSONVILLE.TMY)

#### **System Report Compliance**

Pr0Sy1

System 1

Constant Volume Packaged

No. of Units

System

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System	Air Cooled 65000 to 135000 Btu/h Cooling Capacity		10.30	10.30	8.00		PASSES
Heating System	Air Cooled HP 65000 to 135000 Btu/h Clg Cap		3.20	3.20			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
Air Distribution System	ADS System						PASSES

**PASSES** 

National States	72.77	0.00
Dland	C	pliance
PIANT	Comi	nuance

Description	Installed	Size	Design	Min	Design	Min	Category	Comp liance
	No		Eff	Eff	<b>IPLV</b>	<b>IPLV</b>		liance

None

#### Water Heater Compliance

Description Type

Category

Design Min Eff Eff

Loss

Design Max Comp Loss liance

None

Campliana			omphan	ystem C	iping S	P		
		Ins Thick [in]					ry	Category
					-		5)	
	None						5)	

Project: New Prj Title: Christ Central Ministries Addition

Type: Religious Building (WEA File: JACKSONVILLE.TMY)

#### Other Required Compliance

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

# EnergyGauge FLA/COM 2004 v3.00

INPUT DATA REPORT

Project Information

Project Name: New Pri

Orientation: North

Project Title: Christ Central Ministries Addition

Address: Dyal Road

Building Type: Religious Building

Building Classification: New Finished building

State: FL

**Zip:** 32025

GrossArea: 9600

No.of Storeys: 1

SF

Owner: Christ Central Ministries

			Zones					
No Acronym	Description	Type			Area [sf]	Multiplier	r Total Area  sf	
1 Pr0Zo1	Front Addition	CONDITIONED			0.0096	1	0.0096	
			Spaces	4				
No Acronym Description	Description	Type	Depth [ft]	Width [ft]	Height M	Height Multi Total Area [ft] plier [sf]	ea Total Volume [cf]	a.

In 2	In Zone: Pr0Zo1 1 Pr0Zo1Sp1	Lounge Area	Lobby (General) - Reception and Waiting		30.00 80.00		10.00	1 2	2400.0	24(	24000.0	
	2 Pr0Zo1Sp2	Gathering Area	All Sports - Seating Area		90.00 55.00		12.00	1	4950.0	265	59400.0	
	3 Pr0Zo1Sp3	Zo0Sp3	All Sports - Seating Area		90.00 25.00		12.00	1 2	2250.0	270	27000.0	
				Lighting	lug							
	No	Type	Category	No. of Luminaires	Watts per ss Luminaire		Power [W]	Control Type	Type	Z Z	No.of Ctrl pts	
In Z	In Zone: Pr0Zo1 In Space: Pr0Zo1Sp1	Zo1Sp1 Compact Fluorescent	General Lighting	12		001	1200	Manual On/Off	n/Off			
	In Space: Pr0	Pr0Zo1Sp2  I Compact Fluorescent	General Lighting	20		100	2000	Manual On/Off	m/Off		7	1 [
	In Space: Pr07	Pr0Zo1Sp3	General Lighting	8		100	800	Manual On/Off	n/Off		_	П
				Walls	S							
N <sub>o</sub>	Description	Type	Width H (	Width H (Effec) Multi [ft] [ft] plier	Area [sf]	Direction	DirectionConductance [Btu/hr. sf. F]	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf] [	R-Value [h.sf.F/Btu]	. =
4 -	In Zone: Pr	Pr0Zo1 0.75 in. stucco,	30.00	10.00	300.0	North	l	0.1118	1.183	14.94	6.8	
2		2x4x16" oc, R11Batt, 0.5 in. gyp 0.75 in. stucco.	80 00	12 00 1	0.096	Afron		81110	3 8	20 21	0 0	] [
m		2x4x16" oc, R11Batt, 0.5 in. gyp 0.75 in. stucco, 2x4x16" oc,	80.00	12.00 1	0.096	South		0.1118	1.183	14.94	8.9	
		R11Batt, 0.5 in. gyp	5 in. gyp									

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8.9	6.8	6.8						100	vy D			lue Btu	2	2	
∞	∞	∞		ea.		0	_	0	c	0		R-Value  h.sf.F/Btu	2.85	2.85	
14.94	14.94	14.94		Total Area [sf]	0.09	48.0	0.09	48.0	119.0	105.0				0	
75	_			To								Heat Cap. [Btu/sf. F]	0.00	0.00	
1.183	1.183	1.183		Multi plier	_	-	_	_	_	. 2		Dens. Ho	0.00	00.00	
_	-											Dens. F] [lb/cf]			
0.1118	0.1118	0.1118		H (Effec) [ft]	8.00	8.00	8.00	8.00	7 00	7.00			0.3504	0.3504	
0.1	0.1	0.1		100-100	9	00	0	0	00	0.		Cond. Btu/hr. sf.		0	
South	West	East		w [ft]	7.50	00.9	7.50	00.9	17 00	7.50		ea L	42.0	42.0	
S		_		ra	0.76	9/	9/	9/	92	9/		i Area · [sf]		4	
300.0	1080.0	1080.0		Vis.Tra	0,	0.76	0.76	0.76	92.0	0.76		H (Effec) Multi [ft] plier	-	-	
30	10	10	ဖ	SHGC	0.82	0.82	0.82	0.82	0.82	0.82		Effec) [ft]	7.00	7.00	
_	_	_	low	79-20		_		_			Doors	) н	7	7	
0	0		Windows	U Btu/hr sf F	1.2500	1.2500	1.2500	1.2500	1 2500	1.2500	Š	/idth [ft]	90.9	00.9	
10.00	12.00	12.00	>	37-37								1? Wi			
00.	90.00	90.00		Shaded	ν̈́	%	No	No	No	No		Shaded? Width [ft]	ŝ	No.	
30.00				<b>3</b> 2		_						S			
ζ.	n. gyp ),	n. gyp n. gyp		as:	User Defined	User Defined	User Defined	User Defined	User Defined	User Defined			flush	flush	
n. stucco, 16" oc,	t, 0.5 i stucce ' oc.	t, 0.5 i stucce ' oc, t, 0.5 i		Type	Jser D	Jser D	Jser D	Jser D	Jser D	Jser D		Type	Solid core flush	(2.25) Solid core flush	6
0.75 in. stucco, 2x4x16" oc,	R11Batt, 0.5 in. gyp 0.75 in. stucco, 2x4x16" oc.	R11Batt, 0.5 in. gyp 0.75 in. stucco, 2x4x16" oc, R11Batt, 0.5 in. gyp										T	Soli	(2.25) Solid o	(27.7)
0 7	X 0 K	R 2.0 R		tion	I <b>Wa2</b> Pr0Zo1Wa2Wi1	Pr0Zo1Wa2Wi2	IWa3 Pr0Zo1Wa2Wi1	Pr0Zo1Wa2Wi2	I Wa5 Pr0Zo1Wa5Wil	Pr0Zo1Wa5Wi2			1 <b>2</b> 2Dr1	2Dr2	13
				Description	Va2 r0Zo1	r0Zo1	Va3 r0Zo1	r0Zo1	Va5	r0Zo1		iption	<b>Pr0Zo1Wa2</b> Pr0Zo1Wa2Dr1	Pr0Zo1Wa2Dr2	Pr0Zo1Wa3
	25				0Z01V		0Z01/	. P	0Zo1V			No Description	Pr0Z Pr0Z	Pr0Z	Pr0Z
South Wall	Pr0Zo1Wa5	Wall		No	one: Pr0Zo1 In Wall: Pr0Zo1Wa2 1 Pr0Zc	2	In Wall: Pr0Zo1Wa3	4.4	In Wall: Pr0Zo1Wa5	2		No	Pr0Zo1 In Wall:	2	In Wall:
Sout	Pr0Z	East Wall			one: n Wa		n Wa		n Wa				트		In W
4	5	9			In Zone: In W		_		_				In Zone:		
7	٠,				드								In Z		

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	2004
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(	Gange
	Energy

	1 Pr0Zo1Wa2Dr1		No	00.9	7.00	-	42.0	0.3504	0.00	00.00	2.85	
	2 Pr0Zo1Wa2Dr2	(2.25) Dr2 Solid core flush (2.25)	No	00.9	7.00	-	42.0	0.3504	0.00	0.00	2.85	
V nI	In Wall: Pr0Zo1Wa6  I Pr0Zo1Wa6Dr1		N <sub>o</sub>	00.9	7.00	7	42.0	0.3504	0.00	0.00	2.85	
¥				Roofs	Ę.							
N <sub>o</sub>	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg] [Bt	Cond. [Btu/hr. Sf. F]	Heat Cap [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone: P	<b>Pr0Zo1</b> Pr0Zo1Rf1	Mtl Bldg Roof/R-19	80.00	00.06	-	7200.0	0.00	0.0492	1.34	9.49	20.3	
2	Pr0Zo1Rf2	Batt Batt	30.00	80.00	_	2400.0	0.00	0.0492	1.34	9.49	20.3	
				Skylights	ts							
	No Description	ption Type	Btu/l	U SH  Btu/hr sf F	SHGC Vis	Vis.Trans	w [ft]	H (Effec) Multiplier [ft]	fultiplier	Area [Sf]	Total Area [Sf]	
In Zone: In Roof:	4											
			_	Floors	L.S							
No	Description	Type	Width [ft]	H (Eff  ft	H (Effec) Multi [ft] plier	Area [sf]	Cond. Btu/hr. sf	Cond. Heat Cap.  Btu/hr. sf. F   Btu/sf. F	p. Dens. Fl [lb/cf]	R-V [h.sf.	R-Value [h.sf.F/Btu]	
In Zone: P	<b>Pr0Zo1</b> Pr0Zo1F11	1 ft. soil, concrete floor, carpet and rubber pad	80.00	00.06	0	7200.0	0 0.1745	5 54.00	108.00	5.	5.73	П

5.73
108.00
54.00
.0 0.1745
2400.0
-
80.00
30.00
I ft. soil, concrete floor, carpet and rubber pad
2 Pr0Zo1F12

		Systems				
Pr0Sy1	System 1	Constant V	Constant Volume Packaged System	stem	No. Of Units 6	
Component Category	Category	Capacity	Efficiency	IPLV		
-	Cooling System (Air Cooled 65000 to 135000 Btu/h Cooling Capacity)	120000.00	10.30	8.00		
7	Heating System (Air Cooled HP 65000 to 135000 Btu/h Clg Cap)	120000.00	3.20			
ĸ	Air Handling System -Supply (Air Handler (Supply) - Constant Volume)	4000.00	0.80			
4	Air Handling System - Return (Air Handler (Return) - Constant Volume)	1500.00	0.80			
5	Air Distribution System (ADS System)					

		Plant				
Equipment	Category	Size	Inst.No	Eff.	IPLV	
	Y)	Water Ucate				

W-Heater Description	CapacityCap.Unit	I/P Rt.	Efficiency	Loss	

		Ext-Lighting	hting				
Description	Category	No. of Luminaires	Watts per Luminaire	Watts per Area/Len/No. of units Cuminaire [sf/ft/No]	Control Type	Wattage [W]	

<i>th</i> ₹6	Ext Light 1	Main entries	_	1000	400.00	Photo Sensor control	1000.00	
. 4	2 Ext Light 2	Canopies (freestanding,	_	1200	400.00	Astronomical Timer Co	1200.00	
	3 Ext Light 4	attached and Overhangs) Uncovered Parking Areas	_	2500	2000.00	Photo Sensor control	2500 00	
	ì	Parking lots and Drives						]

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

			Fenestra	Fenestration Used		
Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SHGC	VLT	
ASHULSglClrAll User Defined Frm	User Defined	-	1.2500	0.8200	0.7600	

			Mate	Materials Used	pa				
Mat No	Mat No Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [1b/cf]	SpecificHeat [Btu/lb.F]	
187	Matl187	GYP OR PLAS BOARD, 1/21N	No	0.4533	0.0417	0.0920	50.00	0.2000	
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300					
265	Mat1265	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	
267	Mat1267	0.75" stucco	No	0.1563	0.0625	0.4000	16.00	0.2000	

Matl23 Matl94		6 in. Insulation BUILT-UP RO	6 in. Insulation BUILT-UP ROOFING,	° ° ×	20.0000	0.5000	0.0250	5.70	0.2000	
3/8IN	3/81N									
				Cons	Constructs Used	sed				
Name				Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [1b/cf]	RValue [h.sf.F/Btu]	
0.75 in. stucco, 2x4x16" oc, R11Batt, 0.5 in. gyp	2x4x	16" oc, l	R11Batt, 0.5 in.	No	No	0.11	1.18	14.94	8.9	
Layer N	2	Material No.	Material		Thic	Thickness F	Framing Factor			
1		267	0.75" stucco		0.0	0.0625	0.000			
2		266	2x4@16" oc + R11 Batt	Batt	0.2	0.2917	0.000			
3		187	GYP OR PLAS BO	BOARD, 1/2IN	0.0417	417	0.000			
Name				Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
Mtl Bldg Roof/R-19 Batt	R-1	9 Batt		No	No	0.05	1.34	9.49	20.3	
Layer	13232	Material No.	Material		Thic	Thickness F	Framing Factor			
-		94	BUILT-UP ROOFING, 3/8IN	NG, 3/8IN	0.0313	313	0.000			
2		23	6 in. Insulation		0.5000	000	0.000			

No	Name			Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [1b/cf]	RValue [h.sf.F/Btu]	
1057	I ft. soil, con	crete floor, carp	1057 1 ft. soil, concrete floor, carpet and rubber pad	No	No	0.17	54.00	108.00	5.7	
	Layer		Material Material No.		Thic	Thickness F	Framing Factor			
	-	265	Soil, 1 ft		2.0	2.0000	0.000			
	2	48	6 in. Heavyweight concrete	oncrete	6.5	0.5000	0.000			
	3	178	CARPET W/RUBBER PAD	ER PAD			0.000			
No	Name			Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [1b/cf]	RValue [h.sf.F/Btu]	
1058	Solid core flush (2.25)	sh (2.25)		No	Yes	0.35			2.9	
	Layer		Material Material No.		Thic I	Thickness Fi	Framing Factor		5*	4.
	-	279	Solid core flush (2.25")	(:22)			0.000			



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street

Lake City, Florida 32056

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made on 8 February 2010 (Field Report No. TI-31). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Florida Registration No. 34087

Tommy Bradshaw

10 February 2010

Vice President Project Manager

Copies to 1 - Mr. Bryan Zeuner / 200.... Columbia County Building Department 1 - Mr. Bryan Zecher / Zecher Construction

2 - ASC Lake City & ASC Lakeland

## THRESHOLD INSPECTION ACTION ITEM SUMMARY

10 February 2010

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
TI-20	5 Oct-09	Due to addition of 30 gallons of water in concrete at site by concrete subcontractor, 7-1/2" slump is obtained instead of 5" maximum slump as indicated on approved drawings. Engineer on Record's approval is required.		
	-			



#### THRESHOLD REPORT

	PROJECT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions - Phase II	DATE:	8-Feb-10
PROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:			
		-	
CLIENT:	Bryan Zecher Construction	PERMIT NO.:	27596
INSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement  TYPE OF ELEMENT:  footings  ground slab  column base plates  INSPECTION LOCATION	structural steel framing  post-tensioned concrete slab  roof sheathing and nailing pattern  other  pile reinforcing  pile caps/grade beams  elevated slab  column	shoring/resh	oring oncrete masonry
Performed visual inspection of welds a Welds at metal decking at 2nd floor from Welds at beams at 2nd floor at column	om line 1 to line 3 and from row A to row G. Welds are comple lines A.5-1.3 and F.5-1.3.	te and acceptabl	e (Refer to TI-29).
reinforcing steel/formwork structural steel framing structural steel welds  structural steel bolted connections post-tensioned concrete slab shoring/reshoring  roof trusses/straps roof sheathing and nailing pattern reinforced concrete masonry  grout/concrete placement other  TYPE OF ELEMENT: footings pile reinforcing walls reinforced concrete masonry walls ground slab pile caps/grade beams beams other  column base plates elevated slab column			
TAKIANCES TO CONTRACT DRAWINGS		Freeman Design G	<i>Стоир</i>

Jayantilal Patel, P.E., Florida Registration No. 34087, Special Inspector No. 2038



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056 4 February 2010

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Reports for the above-referenced project. This covers the inspections made on 28 January 2010 through 3 February 2010 (Field Report No. TI-29 through TI-30). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

No 34087

ayan jil R. Patel P.E

Special ospector No. 20

Florida Ragostration N

Copies to: 1 Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

Tomny Bradshaw Vice President

Project Manager

## THRESHOLD INSPECTION ACTION ITEM SUMMARY

4 February 2010

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
TI-20	5 Oct-09	Due to addition of 30 gallons of water in concrete at site by concrete subcontractor, 7-1/2" slump is obtained instead of 5" maximum slump as indicated on approved drawings. Engineer on Record's approval is required.		
	-10			
		8 1		



#### THRESHOLD REPORT

PROJECT INFORMATION				
PROJECT NAME:	Christ Central Ministries Additions -	Phase II	DATE:	28-Jan-10
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Starling		LAB NO.:	TI-29
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement  TYPE OF ELEMENT:  footings  ground slab  column base plates  INSPECTION LOCATION	=	50	structural steel shoring/reshorin reinforced conce reinforced concrete other Floor joists	rete masonry masonry walls
New Addition:  Performed visual inspection of welds at the locations as listed below:  Welds at floor joists at entire 2nd floor at east end of building at new addition. Work is complete.  Welds at metal decking at entire 2nd floor at east end of building at new addition. Work is not complete.				
RESULTS OF INSPECTION: above elements in general accordance with project requirements				
work not complete, as noted elements described below not in compliance with project requirements, reinspection required				
VARIANCES TO CONTRACT DRAWINGS/SPECIFICATIONS BY: Freeman Design Group				
	Λ			

Jayantilal Patel, P.E., Florida Registration No. 34087, Special Inspector No. 2038



	PROJECT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions - Phase II	DATE:	3-Feb-10
PROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry	LAB NO.:	TI-30
CLIENT:	Bryan Zecher Construction	PERMIT NO.:	27596
First elevated slab (2nd floor) from ro	roof sheathing and nailing pattern other  pile reinforcing walls pile caps/grade beams elevated slab column  teel installation in slab as listed below.  A to row G and from line 1 to line 3.	structural steel welds shoring/reshoring reinforced concrete mason other	asonry
RESULTS OF INSPECTION:	above elements in general accordance with project requirements		
work not complete, as noted  VARIANCES TO CONTRACT DRAWING	elements described below not in compliance with project requirem	ever total entre the territory and the territory of the	
VANIANUES TU GUNTRAGT DRAWING	OJOFEGIFICATIONO DT.	Freeman Design Group	



#### #27596

#### COMPRESSIVE STRENGTH REPORT

ASC Office

366 SW Knox Street, Suite 103, Lake City, Florida 32025

DRO JECT INCORMATION	an electrication		Suu SW Kiiux Street, Suite 103,	Lake City, I	Torida 3202
PROJECT INFORMATION					3.02
PROJECT: Christ Central Ministrie			DATE:	27	-Jan-10
LOCATION: Lake City, Columbia Co.	unty, Florida		PROJECT NO:	09	9G1003
CLIENT: Bryan Zecher Construct	tion, Inc.		LAB NO:		30
CONTRACTOR: Southport Masonry			TECHNICIAN:	J.	Starling
SPECIMEN INFORMATION				NAME AND DESCRIPTION OF	
SUPPLIER:	Columbia Read	dy Mix	WEATHER CONDITIONS:		sunny
DATE MOLDED:	30-Dec-09		SPECIMEN TYPE:		/linders
DATE RECEIVED:		DIMENSIONS			4 x 8
REPRESENTATIVE LOCATION:	New Addition	to Church, Cell Fill, Sout	h and West Walls, 1st and 2nd Course Block.		
CONCRETE TEMPERATURE.:	70	°F	# OF SPECIMENS MOLDED:	5	
ATMOSPHERE TEMPERATURE:	72	°F	SET #:	15	
AIR CONTENT:		%	QUANTITY REP:	9	yds
SLUMP:	8.5	in.	TIME BATCHED:	12:50 PM	\$7
WATER ADDED:		gal(s).	TIME MOLDED:	1:40 PM	
WATER AUTHORIZED BY:			CONCRETE TRUCK #:	55	
STRENGTH REQUIREMENT:	3,000	psi @ 28 days	CONCRETE TICKET #	92047	
DESIGN MIX #:	ЗРМ	un terre de composition de la composition della	ADD MIX:	52047	

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31, C39, C78, C172, C231, C173, C143, C192, C138, C1064, C1231, C617, C1019, C270, C780, C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTU/	AL DIM (in.) x	ENSION height)	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
Α	7	6-Jan-10	4.00	x	8.00	12.57	32,380	2,580	N/A	neoprene
В	7	6-Jan-10	4.00	х	8.00	12.57	29,670	2,360	N/A	neoprene
С	28	27-Jan-10	4.00	х	8.00	12.57	47,660	3,790	N/A	neoprene
D	28	27-Jan-10	4.00	х	8.00	12.57	49,450	3,930	N/A	neoprene
								* indicates specimer 28 days	n did not meet stre	ngth requirement a
REMARKS/NOTES:			4					FRAC TYPE:	1 5	(1) CONE (2) CONE SHEAR
	Bryan Zecher/Bryan Zeche Harry Dicks/Columbia Coun				1	9118	ANTILAL ANTICEN	R. PANO		(3) SHEAR
	Bill Freeman/Freeman Desig	n Group	sch (F)			100		0 600	and Calling of	(5) OTHER

Prior DE Floods Repistration No. 3408

SIONAL EN



ASC Lake City: 366 SW Knox Street, Suite 103, Lake City, Florida 32025

Page

1 of 1

PROJECT INFORMATION

PROJECT: **Christ Central Ministries Additions** 

DATE:

8 December 2009

LOCATION:

Lake City, Columbia County, Florida

PROJECT NO:

09G1003

CLIENT:

LAB NO:

26

CONTRACTOR:

Bryan Zecher Construction, Inc. Bryan Zecher Construction, Inc.

TECHNICIAN:

D. Wimpy

HELD DENSIT	Y INFORMATION			TEOMNION.		
TEST Number	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY	LAB PROCTOR DENSITY		ION PERCENT
		(%)	(lb/ft <sup>3</sup> )	(lb/ft <sup>3</sup> )	ATTAINED	REQUIRED
45	Elevator Pit  From NE Corner of Existing Building, 20' South x 4' East (BOF)	10.6	103.5	108.8	95	95
-			5			

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

#### LAB INFORMATION

				LAB TEST		
PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	омс %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Brown poorly graded sand w/silt (SP-SM)	12.5	108.8		V	6.1

Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

- 2. Harry Dicks/Columbia County Building Department
- 3. Bill Freeman/Freeman Design Group

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

ascworld.net



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056

15 December 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

**Dval Road** 

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspections made on 7 December 2009 through 10 December 2009 (Field Report No. TI-22 through TI-25). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosg

Tomny Bradshaw

Vice President Project Manager

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056 15 December 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspections made on 7 December 2009 through 10 December 2009 (Field Report No. TI-22 through TI-25). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences win cut ut to

DA # 3/10 34087

layantila R. Patel Re. OF

Special Inspector No. 2038

Florida Registration

Tommy Bradshaw Vice President

Project Manager

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

## THRESHOLD INSPECTION ACTION ITEM SUMMARY

#### 15 DECEMBER 2009

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	, ACTION ITEM	DATE CORRECTED	LAB NO
TI-20	5 Oct-09	Due to addition of 30 gallons of water in concrete at site by concrete subcontractor, 7-1/2" slump is obtained instead of 5" maximum slump as indicated on approved drawings. Engineer on Record's approval is required.		
			-	



	PROJEC	TINFORMATION					
PROJECT NAME:	Christ Central Ministries Additions -	Phase II	DATE:	7-Dec-09			
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801			
INSPECTOR/INSPECTOR REPRESENTATIVE:	G. Burnham		LAB NO.:	TI-22			
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596			
CLIENT:  INSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement  TYPE OF ELEMENT:  footings  ground slab  column base plates  INSPECTION LOCATION  East Addition: Inspected formwork & reinforcing steel  Elevator slab and column footings in each	structural steel post-tensioned roof sheathing a other  pile reinforcing pile caps/grade beams elevated slab	concrete slab and nailing pattern  walls beams column	structural steel v shoring/reshoring reinforced concre reinforced concrete n other	welds g ete masonry			
	ý.						
RESULTS OF INSPECTION:							
VARIANCES TO CONTRACT DRAWINGS	SPECIFICATIONS BY:		Freeman Design Group	7			
	•						
	n N						



PROJECT INFORMATI			
Christ Central Ministries Additions - Phase II		DATE:	8-Dec-09
Lake City, Colombia County, Florida		PROJECT NO.	09G1801
G. Burnham		LAB NO.:	TI-23
Bryan Zecher Construction		PERMIT NO.:	27596
roof sheathing and nailing patt other  pile reinforcing walls pile caps/grade beams beams elevated slab column  or reached the site. Inspection was cancelled a	and rescheduled fo	other	g ete masonry
		nts. reinspection red	nuired
	Lake City, Colombia County, Florida  G. Burnham  Bryan Zecher Construction  Structural steel framing post-tensioned concrete slab roof sheathing and nailing patt other  pile reinforcing pile caps/grade beams elevated slab  column  tor reached the site. Inspection was cancelled a	Lake City, Colombia County, Florida  G. Burnham  Bryan Zecher Construction  structural steel framing post-tensioned concrete slab roof sheathing and nailing pattern other  pile reinforcing pile caps/grade beams elevated slab column  tor reached the site. Inspection was cancelled and rescheduled for above elements in general accordance with project requirements elements described below not in compliance with project requirements	Lake City, Colombia County, Florida  G. Burnham  LAB NO.:  Bryan Zecher Construction  PERMIT NO.:  structural steel framing  structural steel framing  post-tensioned concrete slab shoring/reshorin  roof sheathing and nailing pattern  other  pile reinforcing  walls  reinforced concrete pile caps/grade beams  elevated slab  column  tor reached the site. Inspection was cancelled and rescheduled for the next day.



	PROJECT	INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions - F	Phase II	DATE:	9-Dec-09
PROJECT LOCATION:	Lake City, Colombia County, Florida	, , , , , , , , , , , , , , , , , , , ,	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	G. Burnham		LAB NO.:	TI-24
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:     reinforcing steel/formwork     structural steel bolted connections     roof trusses/straps     grout/concrete placement  INSPECTION LOCATION  East Addition: Inspected formwork & reinforcing steel Slab and column footings in east addition  Work is not complete.	ion of building.	oncrete slab and nailing pattern  walls beams column  column footings as listed b		ing crete masonry
	above elements in general accorda	0 5: 2		
work not complete, as noted  VARIANCES TO CONTRACT DRAWINGS	elements described below not in c	ompliance with project requir	Construction of the Construction	O THE PROPERTY
TAMANUE TO CONTINUE CITATINGS	Λ		Freeman Design Gro	up



	PRO.IF	CT INFORMATION					
PROJECT NAME:	Christ Central Ministries Additions		DATE:	10-Dec-09			
PROJECT LOCATION:	Lake City, Colombia County, Florida	1	PROJECT NO.	09G1801			
INSPECTOR/INSPECTOR REPRESENTATIVE:	G. Burnham		LAB NO.:	TI-25			
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596			
Slab and column footings as listed in T Observed the placement of concrete in	INSPECTION OF:						
RESULTS OF INSPECTION:	above elements in general accor	dance with project requiremen	nts				
work not complete, as noted	elements described below not in	S S S		quired			
VARIANCES TO CONTRACT DRAWINGS	SPECIFICATIONS BY:		Freeman Design Grou	ip —			
	٨						



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

5 January 2010

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made on 30 December 2009 (Field Report No. TI-26). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosc

PATE CENS

2×12/10 15/

Special inspector AVO 2638

Florida Registration No. 3408

Tommy Bradshav Vice President Project Manager

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056

5 January 2010

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made on 30 December 2009 (Field Report No. TI-26). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences

No 3408

15/18

vantilal Por ate TATE OF

Florida Registration No.: 340

Florida Registration No. 340

Tominy Bradshaw Vice President

Project Manager

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

# THRESHOLD INSPECTION ACTION ITEM SUMMARY

5 January 2010

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
TI-20	5 Oct-09	Due to addition of 30 gallons of water in concrete at site by concrete subcontractor, 7-1/2" slump is obtained instead of 5" maximum slump as indicated on approved drawings. Engineer on Record's approval is required.		
	17			



	PRO.IF	CT INFORMATION					
PROJECT NAME:	Christ Central Ministries Additions		DATE:	30-Dec-09			
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801			
	100	·					
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Starling		LAB NO.:	TI-26			
CLIENT:	Bryan Zecher Construction	See the South and the see that the see	PERMIT NO.:	27596			
INSPECTION OF:  □ reinforcing steel/formwork  □ structural steel bolted connections  □ roof trusses/straps  □ grout/concrete placement	structural steel shoring/reshoring	ng					
TYPE OF ELEMENT:  footings ground slab column base plates INSPECTION LOCATION	pile reinforcing pile caps/grade beams elevated slab	walls beams column	reinforced concrete	masonry walls			
New Addition: Inspected formwork & reinforcing steel installation in masonry (CMU) walls as listed below: Masonry walls at north, east, west, and south walls for two courses of concrete block.  Observed the placement of grout in above masonry walls.  A testing technician performed the required concrete testing.							
RESULTS OF INSPECTION:	above elements in general accor	dance with project requireme	ents				
work not complete, as noted	elements described below not in	compliance with project requ	uirements, reinspection re	quired			
<b>VARIANCES TO CONTRACT DRAWINGS</b>	SPECIFICATIONS BY:		Freeman Design Grou	<b>Ip</b>			
	ř						



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056

12 January 2010

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Reports for the above-referenced project. This covers the inspections made on 7 January 2010 through 8 January 2010 (Field Report No. TI-27 through TI-28). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

antilal Reproteo P.E.

Special Inspector No. 2038

Florida Registration No. 34087

Vice President Project Manager

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

# THRESHOLD INSPECTION ACTION ITEM SUMMARY

12 January 2010

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

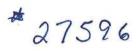
LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
TI-20	5 Oct-09	Due to addition of 30 gallons of water in concrete at site by concrete subcontractor, 7-1/2" slump is obtained instead of 5" maximum slump as indicated on approved drawings. Engineer on Record's approval is required.		
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-				
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<b>克莱亚尔克·汉德</b> 亚克罗斯克莱特克	PROJEC	T INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions -	Phase II	DATE:	7-Jan-10
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	G. Burnham		LAB NO.:	TI-27
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
reinforcing steel/formwork structural steel bolted connections roof trusses/straps grout/concrete placement  TYPE OF ELEMENT: footings ground slab column base plates  INSPECTION LOCATION  East Addition: Work continues for reinforcing steel in Work is not complete.	pile reinforcing pile caps/grade beams elevated slab	walls column	structural steel value shoring/reshoring reinforced concrete in other	g ete masonry
work not complete, as noted	elements described below not in			uirod
VARIANCES TO CONTRACT DRAWINGS		compliance with project requ		
TAMANGE TO CONTINUE DIRANINGS	ENTERNITORIS DI.		Freeman Design Group	



	PROJE	CT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions	THE REAL PROPERTY OF THE PARTY	DATE:	8-Jan-10
PROJECT LOCATION:	Lake City, Colombia County, Florida	ì	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	G. Burnham		LAB NO.:	TI-28
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:     reinforcing steel/formwork     structural steel bolted connections     roof trusses/straps     grout/concrete placement  INSPECTION Stab     column base plates  INSPECTION LOCATION  East Addition:  Inspected formwork & reinforcing steel C.M.U. walls from Elev. 6.0' to Elev. 1 Two courses of C.M.U. at lintel.	roof sheathing other  pile reinforcing pile caps/grade beams elevated slab	concrete slab and nailing pattern  walls beams column	structural steel shoring/reshoring reinforced concr	welds g rete masonry
RESULTS OF INSPECTION:	above elements in general accord	lance with project requirement	nts	
work not complete, as noted	elements described below not in	(Y) (M) (M)		uired
ARIANCES TO CONTRACT DRAWINGS			Freeman Design Group	





ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

PROJECT INFORM	NATION					Lake Oity,	11011UB 32.02		
PROJECT:	Christ Central Ministrie	s Additions	POSACH OF SHEARING	PRESENTATION	DATE:	7	-Jan-10		
LOCATION:	Lake City, Columbia Co.	unty, Florida			PROJECT NO:		961003		
CLIENT:	Bryan Zecher Construct	ion, Inc.			LAB NO:		28		
CONTRACTOR:	L. Parrish				TECHNICIAN: J. Curry				
SPECIMEN INFOR	MATION								
ELITATION CONTRACTOR AND ADDRESS OF	SUPPLIER:	Columbia Read	dy Mix	marin assistanting the second	WEATHER CONDITIONS:	Overcas	t/Misting Rain		
	DATE MOLDED:	10-Dec-09	notification and Change 1.1		SPECIMEN TYPE:	С	ylinders		
	DATE RECEIVED:	11-Dec-09			DIMENSIONS:		4 x 8		
REPRES	SENTATIVE LOCATION:	Column Pad ar	nd Footing, from Col	umn Line G-1 to C	olumn Line G-2.				
CONCI	RETE TEMPERATURE.:	71	°F		# OF SPECIMENS MOLDED:	5			
ATM0SP	HERE TEMPERATURE:	60	°F		SET #:	11			
	AIR CONTENT:		%		QUANTITY REP:	9	yds		
	SLUMP:	5	in.		TIME BATCHED:	6:03 AM			
2.W. s.	WATER ADDED:		gal(s).		TIME MOLDED:	7:00 AM			
WA	TER AUTHORIZED BY:				CONCRETE TRUCK #:	65			
STRE	NGTH REQUIREMENT:	3,000	psi @ 28 days		CONCRETE TICKET #:	91914			
	DESIGN MIX #:	3B0		354	ADD MIX:				

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31, C39, C78, C172, C231, C173, C143, C192, C138, C1064, C1231, C617, C1019, C270, C780, C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTU	AL DIM (in.)	ENSION height)	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
Α	7	17-Dec-09	4.00	X	8.00	12.57	48,250	3,840	N/A	neoprene
В	7	17-Dec-09	4.00	X	8.00	12.57	47,870	3,810	N/A	neoprene
C	28	7-Jan-10	4.00	x	8.00	12.57	63,000	5,010	N/A	neoprene
D	28	7-Jan-10	4.00	X	8.00	12.57	62,840	5,000	N/A	neoprene
		TV .						• indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:		1 m)						FRAC TYPE:		(1) CONE
	Bryan Zecher/Bryan Zecher Harry Dicks/Columbia Coun		a de la composición dela composición de la composición dela composición de la compos		.01	ANTIL	AL A. PA	100		(2) CONE SHEAR (3) SHEAR (4) SPLIT
	Bill Freeman/Freeman Desig	n Group			00.7	6,00	ENSE	TE	Military, the 1995s.	(5) OTHER

O 34087

No 34087

D 12 1

Vayahtilal R. Patel, N.E., Florada egistratio

a Registration No. 34087



ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

	NATION					
PROJECT:	Christ Central Ministries	s Additions	ALCO SECULTATION OF THE SECURTATION OF THE SECURTAT	DATE:	7-	Jan-10
LOCATION:	Lake City, Columbia Cou	ınty, Florida		PROJECT NO:	09	9G1003
CLIENT:	Bryan Zecher Construct	ion, Inc.		LAB NO:		28
CONTRACTOR:	L. Parrish			TECHNICIAN:	J	. Curry
PECIMEN INFOR	MATION					
	SUPPLIER:	Columbia Read	ly Mix	WEATHER CONDITIONS:	01	vercast
	DATE MOLDED:	10-Dec-09		SPECIMEN TYPE:	су	linders
	DATE RECEIVED:	11-Dec-09		DIMENSIONS:		4 x 8
REPRES	SENTATIVE LOCATION:	Column Pad an	d Footing, from Column Line A-	2 to Column Line A-3 and from Column Line A-3.	10' South.	
	SENTATIVE LOCATION:			2 to Column Line A-3 and from Column Line A-3, # OF SPECIMENS MOLDED:		
CONC		Column Pad an 69 59	°F	# OF SPECIMENS MOLDED:	5	
CONC	RETE TEMPERATURE.:	69			5 12	yds
CONC	RETE TEMPERATURE.: HERE TEMPERATURE:	69	<b>°F</b>	# OF SPECIMENS MOLDED: SET #:	5	yds
CONC	RETE TEMPERATURE.: PHERE TEMPERATURE: AIR CONTENT:	69 59	°F °F %	# OF SPECIMENS MOLDED: SET #: QUANTITY REP:	5 12 9	yds
CONCI ATMOSP	RETE TEMPERATURE: HERE TEMPERATURE: AIR CONTENT: SLUMP:	69 59	°F °F % in.	# OF SPECIMENS MOLDED: SET #: QUANTITY REP: TIME BATCHED:	5 12 9 7:24 AM	yds
CONCI ATMOSP WA	RETE TEMPERATURE: PHERE TEMPERATURE: AIR CONTENT: SLUMP: WATER ADDED:	69 59	°F °F % in.	# OF SPECIMENS MOLDED: SET #: QUANTITY REP: TIME BATCHED: TIME MOLDED:	5 12 9 7:24 AM 7:55 AM	yds

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31, C39, C78, C172, C231, C173, C143, C192, C138, C1064, C1231, C617, C1019, C270, C780, C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTU/	AL DIM (in.)	ENSION height)	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
A	7	17-Dec-09	4.00	x	8.00	12.57	49,370	3,930	N/A	neoprene
В	7	17-Dec-09	4.00	х	8.00	12.57	49,240	3,920	N/A	neoprene
C	28	7-Jan-10	4.00	х	8.00	12.57	63,390	5,040	N/A	neoprene
D	28	7-Jan-10	4.00	X	8.00	12.57	63,180	5,030	N/A	neoprene
		ű						* indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:		:d			•			FRAC TYPE:		(1) CONE (2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zecher Harry Dicks/Columbia Coun						OSSETILAL STILAL	0000000		(3) SHEAR (4) SPLIT
	Bill Freeman/Freeman Desig	n Group				1. 188	MILLE	PARO	l i	(5) OTHER

Javantilal R. Patel, P.E. Florida Registration No. 34087

SONAL ENGINE



366 SW Knox Street, Suite 103, Lake City, Florida 32025

				Juu SW Knux Street, Suite 103	i, Lake Gily, i	riuriua 32023		
PROJECT INFORMATION								
PROJECT: Christ Centra	al Ministries	Additions		DATE:	7	-Jan-10		
LOCATION: Lake City, Co	olumbia Cou	ınty, Florida		PROJECT NO:	09	9G1003		
CLIENT: Bryan Zeche	r Construct	ion, Inc.		LAB NO:		28		
CONTRACTOR: L. Parrish				TECHNICIAN:	TECHNICIAN: J. Curry			
SPECIMEN INFORMATION								
Si	UPPLIER:	Columbia Read	ly Mix	WEATHER CONDITIONS:	Ove	rcast/Cool		
DATE	MOLDED:	10-Dec-09		SPECIMEN TYPE:	C	ylinders		
DATE RE	ECEIVED:	11-Dec-09		DIMENSIONS:		4 x 8		
REPRESENTATIVE LO	CATION:	Slab on Grade,	from Column Line C-1, to	wards Column Line C-3, 10' North.				
CONCRETE TEMPER	RATURE.:	65	°F	# OF SPECIMENS MOLDED:	5			
ATMOSPHERE TEMPER	RATURE:	55	°F	SET #:	13			
AIR CO	ONTENT:		%	QUANTITY REP:	9	yds		
	SLUMP:	8	in.	TIME BATCHED:	8:33 AM			
WATER	ADDED:		gal(s).	TIME MOLDED:	9:15 AM			
WATER AUTHORI	IZED BY:			CONCRETE TRUCK #:	62			
STRENGTH REQUIR	EMENT:	3,000	psi @ 28 days	CONCRETE TICKET #:	91925			
DESIGN	N MIX #:	3B0		ADD MIX:	Superciser 5/S	uper P		

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods:

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTU	AL DIM (in.)	ENSION	AREA (in.²)	TOTAL LOAD	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene	CAPPING TYPE
			( dia	X	height)			qu,	capping)	
Α	7	17-Dec-09	4.00	X	8.00	12.57	46,780	3,720	N/A	neoprene
В	7	17-Dec-09	4.00	X	8.00	12.57	45,890	3,650	N/A	neoprene
С	28	7-Jan-10	4.00	X	8.00	12.57	64,590	5,140	N/A	neoprene
D	28	7-Jan-10	4.00	х	8.00	12.57	63,760	5,070	N/A	neoprene
								• indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:								FRAC TYPE:		(1) CONE
								THAC TITE;		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zeche	r Construction						000		(3) SHEAR
	Harry Dicks/Columbia Cour	ity Building Department				9998	TILAL A	Della		(4) SPLIT
	Bill Freeman/Freeman Desig	gn Group				2001 V	CENS	· Ale		(5) OTHER

(5) OTHER

Tration No. 34087



**CONCRETE TICKET #:** 

ADD MIX:

91929

Superciser 5/Super P

ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

PROJECT INFORM	IATION					
PROJECT:	Christ Central Ministries	s Additions	A STATE OF THE STA	DATE:	7-	Jan-10
LOCATION:	Lake City, Columbia Cou	ınty, Florida		PROJECT NO:	09	9G1003
CLIENT:	Bryan Zecher Construct	ion, Inc.		LAB NO:		28
CONTRACTOR:	L. Parrish			TECHNICIAN:	J	. Curry
SPECIMEN INFOR	MATION					
	SUPPLIER:	Columbia Rea	dy Mix	WEATHER CONDITIONS:	Over	cast/Cool
	DATE MOLDED:	10-Dec-09		SPECIMEN TYPE:	Cy	linders
	DATE RECEIVED:	11-Dec-09		DIMENSIONS:		4 x 8
REPRES	ENTATIVE LOCATION:	Slab on Grade	, from Column Line E	E-1, towards Column Line E-3, 10' South.		
CONCE	RETE TEMPERATURE.:	65	°F	# OF SPECIMENS MOLDED:	5	
ATMOSPI	HERE TEMPERATURE:	55	°F	SET #:	14	
	AIR CONTENT:		%	QUANTITY REP:	9	yds
	SLUMP:	8	in.	TIME BATCHED:	9:38 AM	
	WATER ADDED:		gal(s).	TIME MOLDED:	10:25 AM	
WAT	TER AUTHORIZED BY:			CONCRETE TRUCK #:	40	

#### STRENGTH INFORMATION

STRENGTH REQUIREMENT:

DESIGN MIX #:

3,000

3B0

psi @ 28 days

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31, C39, C78, C172, C231, C173, C143, C192, C138, C1064, C1231, C617, C1019, C270, C780, C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTU	AL DIM (in.)	ENSION	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene	CAPPING TYPE
-		17.0 00	( dia	Х	height)				capping)	
Α	The state of the state of the	17-Dec-09	4.00	Х	8.00	12.57	45,750	3,640	N/A	neoprene
В	7	17-Dec-09	4.00	X	8.00	12.57	44,670	3,550	N/A	neoprene
C	28	7-Jan-10	4.00	X	8.00	12.57	61,380	4,880	N/A	neoprene
D	28	7-Jan-10	4.00	x	8.00	12.57	60,570	4,820	N/A	neoprene
								* indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:		With sun	ersizer 5 (Su	ınar Pl				EDAC TVDE.		(1) CONE
		Tritii sup	cisizer 5 (ou	ihei i i				FRAC TYPE:		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zeche	r Construction					298080	1000000		(3) SHEAR
	Harry Dicks/Columbia Cour	nty Building Department				1	PALITILAL	R. PAR		(4) SPLIT
	Bill Freeman/Freeman Desi	gn Group				4 1	IP CE	NSE		(5) OTHER

JED No 3

Jayantina & Patel P.E., Florida Registration No. 34087



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

25 February 2010

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Reports for the above-referenced project. This covers the inspections made on 10 February 2010 through 16 February 2010 (Field Reports Nos.: TI-32 and TI-33). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Jayantilal R. Patel, P.E.

Special Inspector No 2038

Florida Registration No.

Tommy Bradshaw Vice President

Project Manager

Copies to:

Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

# THRESHOLD INSPECTION ACTION ITEM SUMMARY

25 February 2010

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO.
TI-20	5 Oct-09	Due to addition of 30 gallons of water in concrete at site by concrete subcontractor, 7-1/2" slump is obtained instead of 5" maximum slump as indicated on approved drawings. Engineer on Record's approval is required.		
	7			
			n new particular and the second	
-				
			×	



	PROJE	CT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions	AND THE RESIDENCE OF THE PARTY	DATE:	10-Feb-10
PROJECT LOCATION:	Lake City, Colombia County, Florida	1	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Starling		LAB NO.;	TI-32
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:     reinforcing steel/formwork     structural steel bolted connections     roof trusses/straps     grout/concrete placement  INSPECTION STEEMENT:     footings     ground slab     column base plates  INSPECTION LOCATION  New Addition: Inspected reinforcing steel installation Observed the placement of grout in about the string technician performed the requirement of the string technical performance of the string technical performa	roof sheathing other  pile reinforcing pile caps/grade beams elevated slab  in C.M.U wall (fire wall) at line 3 ove lift.  uired concrete testing.	concrete slab and nailing pattern  walls beams column  from row A to row G, 4th		g ete masonry
work not complete, as noted	above elements in general accord	in a secondary that it is the contract of		uired
ARIANCES TO CONTRACT DRAWINGS			Freeman Design Group	
	N -			



	PROJECT INFORMATION			
PROJECT NAME:	Christ Central Ministries Additions - Phase II		DATE:	16-Feb-10
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Starling		LAB NO.:	TI-33
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
Observed the placement of grout in about the requestion of the req	uired concrete testing.	ow G, 5th lift	reinforced concre	
RESULTS OF INSPECTION:  work not complete, as noted	above elements in general accordance with project     elements described below not in compliance with project		ents reinsnection	required
VARIANCES TO CONTRACT DRAWINGS		Me Market	Freeman Design L	
	1		- Some Congress	
	10.			



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street

Lake City, Florida 32056

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Report(s) for the above-referenced project. This covers the inspection(s) made on 1 March 2010 (Field Reports No(s).: TI-34). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geoscieng

No 3408

Jayantilal R. Pat

Florida Registration No. 34087

. Tommy Bradshaw

18 March 2010

Vice President

Project Manager

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

√1 – Columbia County Building Department

2 - ASC Lake City & ASC Lakeland



## THRESHOLD INSPECTION ACTION ITEM SUMMARY

18 March 2010

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
TI-20	5 Oct-09	Due to addition of 30 gallons of water in concrete at site by concrete subcontractor, 7-1/2" slump is obtained instead of 5" maximum slump as indicated on approved drawings. Engineer on Record's approval is required.	,	
7				
17 18,				
			and and any	



	PROJECT	INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions - Ph	ase II	DATE:	1-Mar-10
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-34
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:	roof sheathing and other meta  pile reinforcing pile caps/grade beams elevated slab  for walls at 1st floor as listed below	ncrete slab If nailing pattern If stud framing  walls beams column	structural steel well shoring/reshoring reinforced concrete as other	masonry
( 10 <u>10 10 10 10 10 10 10 10 10 10 10 10 10 1</u>			mente reineneation requi	rad
work not complete, as noted  VARIANCES TO CONTRACT DRAWING	elements described below not in co	impliance with project requirer	nents, reinspection requi	180
WANIAWOLO TO CONTINUE DIAWING.	J		Treemen vesign Group	



ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

PROJECT INFORM	MATION					
PROJECT:	Christ Central Ministrie	s Additions	SOURCE STATE OF THE SECOND	DATE:	4-	Mar-10
LOCATION:	Lake City, Columbia Co.	unty, Florida		PROJECT NO:	09	9G1003
CLIENT:	Bryan Zecher Construct	tion, Inc.		LAB NO:		32
CONTRACTOR:	Parrish Concrete			TECHNICIAN:	J.	Starling
SPECIMEN INFOR	MATION					
Bartocopi Comoque (Amoque and Amo	SUPPLIER:	Columbia Read	ly Mix	WEATHER CONDITIONS:	PERSONAL ESPANSION AND ADDRESS OF THE PERSON	sunny
	DATE MOLDED:	4-Feb-10		SPECIMEN TYPE:	C	ylinders
	DATE RECEIVED:			DIMENSIONS:		4 x 8
	SENTATIVE LOCATION:	71	or Slab, From SW Corner of Bu	# OF SPECIMENS MOLDED:	5	
	HERE TEMPERATURE:	52	°F	SET #:	16	
10.00000	AIR CONTENT:		%	QUANTITY REP:	9	yds
	SLUMP:	7.5	in.	TIME BATCHED:	7:47 AM	1000
	WATER ADDED:	20	gal(s).	TIME MOLDED:	8:55 AM	
WA	TER AUTHORIZED BY:	Larry with Par	rish Concrete	CONCRETE TRUCK #:	62	
STRE	NGTH REQUIREMENT:	3,000	psi @ 28 days	CONCRETE TICKET #:	92215	
	DESIGN MIX #:	3PM		ADD MIX:		

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31, C39, C78, C172, C231, C173, C143, C192, C138, C1064, C1231, C617, C1019, C270, C780, C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTUAL DIMENSION (in.)		ACCOUNT OF THE PROPERTY OF THE		AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene	CAPPING TYPE
			( dia	Х	height)			,F3.,	capping)		
Α	7	11-Feb-10	4.00	X	8.00	12.57	30,520	2,430	N/A	neoprene	
В	7	11-Feb-10	4.00	X	8.00	12.57	26,450	2,100	N/A	neoprene	
С	28	4-Mar-10	4.00	X	8.00	12.57	40,340	3,210	N/A	neoprene	
D	28	4-Mar-10	4.00	X	8.00	12.57	37,910	3,020	N/A	neoprene	
								* indicates specim	en did not meet sti at 28 days.	ength requirement	
REMARKS/NOTES:								FRAC TYPE:		(1) CONE	
							-085	- Section of the Association		(2) CONE SHEAR	
COPIES TO:	Bryan Zecher/Bryan Zech	er Construction					DARRESTE	R. PANO		(3) SHEAR	
J	Harry Dicks/Columbia Cou	nty Building Department					00156	A 200		(4) SPLIT	

Bill Freeman/Freeman Design Group

No 34087

ALE OF LOS

on No. 34087

(5) OTHER



366 SW Knox Street, Suite 103, Lake City, Florida 32025

	ATION			原基化的 EEL 是为6% 主义的主义。		
PROJECT:	Christ Central Ministries	Additions		DATE:	4-	Mar-10
LOCATION:	Lake City, Columbia Cou	ınty, Florida		PROJECT NO:	09	9G1003
CLIENT:	Bryan Zecher Constructi	ion, Inc.		LAB NO:		32
CONTRACTOR: I	Parrish Concrete			TECHNICIAN:	J.	Starling
PECIMEN INFORM	IATION					
	SUPPLIER:	Columbia Read	y Mix	WEATHER CONDITIONS:		sunny
	DATE MOLDED:	4-Feb-10		SPECIMEN TYPE:	C	ylinders
	DATE RECEIVED:			DIMENSIONS:		4 x 8
REPRESE	ENTATIVE LOCATION:	2nd Floor, Floo	r Slab, From SE Corner of Buildi	ng, 50' North x 30' West.		
CONCRE	FTF TEMPERATURE	72	°E	# DE SPECIMENS MOI DED:	5	
	ETE TEMPERATURE.:	72 55	°F °F	# OF SPECIMENS MOLDED:	5 17	
	ETE TEMPERATURE.: IERE TEMPERATURE: AIR CONTENT:	72 55	°F %	# OF SPECIMENS MOLDED: SET #: QUANTITY REP:	5 17 9	yds
	HERE TEMPERATURE:	2000	°F	SET #:	17	yds
	IERE TEMPERATURE: AIR CONTENT:	55	°F %	SET #: QUANTITY REP:	17 9	yds
ATMOSPH	IERE TEMPERATURE: AIR CONTENT: SLUMP:	55 7	°F % in. gal(s).	SET #: QUANTITY REP: TIME BATCHED:	17 9 8:43 AM	yds
ATMOSPH	IERE TEMPERATURE: AIR CONTENT: SLUMP: WATER ADDED:	55 7 20	°F % in. gal(s).	SET #: QUANTITY REP: TIME BATCHED: TIME MOLDED:	17 9 8:43 AM 10:02 AM	yds

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31, C39, C78, C172, C231, C173, C143, C192, C138, C1064, C1231, C617, C1019, C270, C780, C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTU/	AL DIMI (in.)	ENSION height)	AREA (in.²)	TOTAL LOAD	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
A	7	11-Feb-10	4.00	x	8.00	12.57	32,090	2,550	N/A	neoprene
В	7	11-Feb-10	4.00	x	8.00	12.57	30,970	2,460	N/A	neoprene
С	28	4-Mar-10	4.00	х	8.00	12.57	43,430	3,460	N/A	neoprene
D	28	4-Mar-10	4.00	X	8.00	12.57	41,250	3,280	N/A	neoprene
		I						• indicates specime	n did not meet stre 28 days.	ngth requirement a
REMARKS/NOTES:								FDAO TVOF		(1) CONE
								FRAC TYPE:		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zecher	Construction						1000		(3) SHEAR
J	Harry Dicks/Columbia Coun	ty Building Department				100	NTILAL	R 00000		(4) SPLIT
	Bill Freeman/Freeman Desig	gn Group				1000	CEN	SAR		(5) OTHER

istration No. 34087



ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

				out off think birect, built roo,	Lune only, i	TOTTUG OLG
ROJECT INFORM	IATION					
PROJECT:	Christ Central Ministries	s Additions		DATE:	10	-Mar-10
LOCATION:	Lake City, Columbia Co.	unty, Florida		PROJECT NO:	09	G1003
CLIENT:	Bryan Zecher Construct	ion, Inc.		LAB NO:		34
CONTRACTOR:	Southpoint Masonry			TECHNICIAN:	J.	Starling
SPECIMEN INFOR	VIATION					
	SUPPLIER:	Columbia Read	y Mix	WEATHER CONDITIONS:		sunny
	DATE MOLDED:	10-Feb-10		SPECIMEN TYPE:	су	linders
	DATE RECEIVED:			DIMENSIONS:		4 x 8
CONC	RETE TEMPERATURE.:	71	°F	# OF SPECIMENS MOLDED:	5	
	HERE TEMPERATURE:	46	°F	SET #:	18	
	AIR CONTENT:		%	QUANTITY REP:	8	yds
	SLUMP:	9	in.	TIME BATCHED:	9:21 AM	
	WATER ADDED:	0	gal(s).	TIME MOLDED:	10:40 AM	
WA	TER AUTHORIZED BY:			CONCRETE TRUCK #:	40	
STRE	NGTH REQUIREMENT:	3,000	psi @ 28 days	CONCRETE TICKET #:	92237	
	DESIGN MIX #:	3PM		ADD MIX:		

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31, C39, C78, C172, C231, C173, C143, C192, C138, C1064, C1231, C617, C1019, C270, C780, C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTUAL DIMENSION (in.)		AREA (in.²)	TOTAL LOAD	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene	CAPPING TYPE	
			( dia	x	height)			(psi)	capping)	
Α	7	17-Feb-10	4.00	x	8.00	12.57	26,510	2,110	N/A	neoprene
В	7	17-Feb-10	4.00	X	8.00	12.57	27,570	2,190	N/A	neoprene
C	28	10-Mar-10	4.00	х	8.00	12.57	43,470	3,460	N/A	neoprene
D	28	10-Mar-10	4.00	X	8.00	12.57	42,920	3,410	N/A	neoprene
		I						* indicates specime	n did not meet stre 28 days.	ngth requirement a
REMARKS/NOTES:					-		•	FRAC TYPE:		(1) CONE
								THAU TITE.		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zeche	r Construction								(3) SHEAR
	Harry Dicks/Columbia Cour	nty Building Department					******	000000000000000000000000000000000000000		(4) SPLIT

Harry Dicks/Columbia County Building Department

Bill Freeman/Freeman Design Group

(5) OTHER

layantilat R. Patel, PSIT Florida Registration No. \$4087



# 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.

Building permit No. 000027596

Parcel Number 26-4S-16-03189-003

Use Classification METAL BUILDING

oc classification metal be bolebilly

Permit Holder BRYAN ZECHER

Owner of Building CHRIST CENTRAL MINISTRIES

0.00

Total:

0.00

Waste:

Fire:

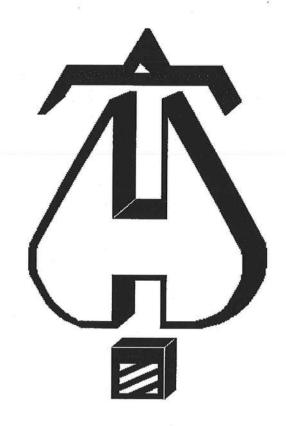
Location: 217 SW DYAL RD., LAKE CITY, FL

Date: 10/02/2009

lany Die

**Building Inspector** 

POST IN A CONSPICUOUS PLACE (Business Places Only)



. . . Fire Protection by Computer Design

IMPERIAL FIRE PROTECTION 28651 NORTH DIESEL DRIVE #2 BONITA SPRINGS, FLORIDA 34135 239-948-0801

Job Name : CHRIST CENTRAL 2-STORY

Building : 2-STORY ADDITION Location : DESIGN AREA 1

System : 1

Contract : 2008-0356-D

Data File : CHRIST CENTRAL 2-STORY.wx1

```
Name - CHRIST CENTRAL MINISTRIES
                                                                  Date - 1-5-08
Location - DESIGN AREA 1
Building - 2-STORY ADDITION
                                                         System No. - 1
Contractor - BRYAN ZECHER CONS., INC.
                                                         Contract No. - 2008-0356-D
Calculated By - KEN MOREY
                                                         Drawing No. - FP 2 OF 2
Construction: ( ) Combustible (X) Non-Combustible
                                                         Ceiling Height - 8'-0"
Occupancy - LIGHT HAZARD
S
     (X) NFPA 13 (X) Lt. Haz.
                                  Ord.Haz.Gp. ( ) 1 ( ) 2 ( ) 3
                                                                    ( ) Ex. Haz.
Y
     ( ) NFPA 231 ( ) NFPA 231C
                                  ( ) Figure
                                                             Curve
S
    Other
T
     Specific Ruling 11.2.3.2.3.1 AREA RED. Made By NFPA 13
                                                                    Date 2002
E
M
     Area of Sprinkler Operation - 992
                                                System Type
                                                                Sprinkler/Nozzle
      Density
                                   - .10
                                                (X) Wet
                                                                Make RELIABLE
D
     Area Per Sprinkler
                                   - 225
                                                ( ) Dry
                                                                Model F1-FR
     Elevation at Highest Outlet - 19.41'
E
                                                ( ) Deluge
                                                                Size 1/2"
     Hose Allowance - Inside - N/A
S
                                                ( ) Preaction
                                                                K-Factor 5.6
I
     Rack Sprinkler Allowance
                                   - N/A
                                                ( ) Other
                                                               Temp.Rat.155
G
     Hose Allowance - Outside
                                   - 100
N
     Note
Calculation Flow Required - 170.31 Press Required - 68.010 Summary C-Factor Used: 120 Overhead 150 Un
                                                                 AT BASE OF RISER
                                                              Underground
W
    Water Flow Test:
                                      Pump Data:
                                                              Tank or Reservoir:
A
    Date of Test - 11-18-08
                                                            Cap. -
T
    Time of Test
                   - N/A
                                   Rated Cap .-
                                                           Elev.-
F.
    Static Press
                   - 110
                                   @ Press
    Residual Press - 105
R
                                   Elev.
                                                                  Well
    Flow
                    - 1500
                                                                Proof Flow
S
    Elevation
П
P
    Location - CR 242 & SW DYAL AVE
P
L
    Source of Information - LAKE CIITY FIRE DEPT.
Y
C
    Commodity
                                        Class
                                                       Location
0
    Storage Ht.
                                        Area
                                                      Aisle W.
M
    Storage Method:
                        Solid Piled
                                               Palletized
                                                                     Rack
M
         ) Single Row
                         ( ) Conven. Pallet
                                                ( ) Auto. Storage
                                                                     ( ) Encap.
S
   R
       ( ) Double Row
                         ( ) Slave Pallet
                                               ( ) Solid Shelf
                                                                     ( ) Non
T
   A
       ( ) Mult. Row
                                                ( ) Open Shelf
0
   C
R
        Flue Spacing
   K
                                             Clearance: Storage to Ceiling
A
        Longitudinal
                                             Transverse
G
E
        Horizontal Barriers Provided:
```

Hydraulic Design Information Sheet

IMPERIAL FIRE PROTECTION CHRIST CENTRAL 2-STORY

2 010509

Page Date

7.757 170.312 77.420 100 270.312 32.370 Demand:
D1 - Elevation
D2 - System Flow
D2 - System Pressure
Hose ( Adj City )
Hose ( Demand )
D3 - System Demand : 1800 1600 1400 1200 FLOW ( N ^ 1.85 ) 1000 800 City Water Supply:
C1 - Static Pressure : 110
C2 - Residual Pressure: 105
C2 - Residual Flow : 1500 900 200 400 5 ប 5 R 110 E 100 p 120 150 140 130 R 60 8 S 80 U 70 E 50 40 20 30 S

Computer Programs by Hydratec Inc. Route 111 Windham N.H. USA 03087

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IMPERIAL FIRE PROTECTION CHRIST CENTRAL 2-STORY

3 010509

Page Date

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Fitting	fing Legend brev. Name	72	*	-	72	72	2	21/2	က	3%	4	5	9	8	10	12	14	16	8	20	24
апт 0 с т и <u>и</u>	Generic Butterfly Valve 90' Standard Elbow 45' Elbow Generic Gate Valve Generic Swing Check Viv 90' Flow Thru Tee Generic Flow Switch Wilkins 475	2 3 4 0 1 2 0 7 Ittin	0 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	xe - 0 - 3	7 4 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 9 8 F T T T T T T T T T T T T T T T T T T	10 11 15 7	119	224 22 22 24	9 12 27 27 12	7 L 2 3 3 5 4 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5	24 0 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	19 22 11 11 55 50 22	227 227 113 66 65 60	0 35 17 71 71 35	0 40 19 8 87 81	0 45 10 10 98 91 45	0 50 74 11 103 50	0 61 13 130 121

### Pressure / Flow Summary - STANDARD

### IMPERIAL FIRE PROTECTION CHRIST CENTRAL 2-STORY

Page 4 Date 010509

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
D001	20.5	5.6	16.14	na	22.5	0.1	225	7.0
104	19.41	K = K @ EQ01	22.03	na	22.53	0.1	220	7.0
105	19.41	K = K @ EQ01	22.55	na	22.79			
106	19.41	K = K @ EQ01	24.72	na .	23.87		_ ,	
107	19.41	K = K @ EQ01	44.5	na	32.02			
101	19.41	K = K @ EQ01	21.97	na	22.5			
102	19.41	K = K @ EQ01	22.48	na	22.76			
103	19.41	K = K @ EQ01	24.65	na	23.83			
ИЗ	20.5		50.38	na				
M2	20.5		50.52	na				
M1	20.5		51.05	na			140	
rsr1	20.5		53.5	na				
3SR1	-4.0		68.01	na				
JG1	-4.0		69,37	na				
JG2	-4.0		69.45	na				
CONN	-4.0		79.74	na				
<b>TEST</b>	1.5		77.42	na	100.0			

The maximum velocity is 14.84 and it occurs in the pipe between nodes 106 and M2

<b>IMPERIAL</b>	FIRE PE	ROTECTION
CHRIST C	ENTRAI	2-STORY

Page 5 Date 010509

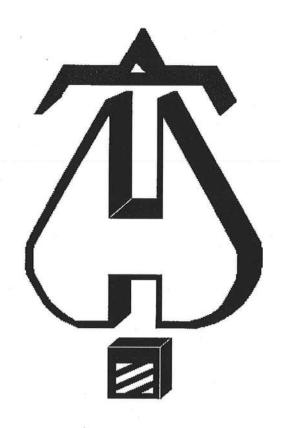
CHRIST	CENTRAL	2-51UK1						Date 010509
Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft		tting or qv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	****** Notes *****
-			-					
D001	22.50	1.049 120	1E 1T	2.0 5.0	29.000 7.000	16.143 0.0		K Factor = 5.60
EQ01	22.5	0.1618		0.0	36.000	5.825		Vel = 8.35
	0.0 22.50			6		21.968		K Factor = 4.80
104	22.53	1.38		0.0	12.000	22.034		K Factor @ node EQ01
to 105	22.53	120 0.0427	*	0.0	0.0 12.000	0.0 0.512		Vel = 4.83
105	22.80	1.38		0.0	14.000	22.546		K Factor @ node EQ01
to		120		0.0	0.0	0.0		TO BOTO E HOUSE LOUT
106	45.33	0.1555		0.0	14.000	2.177		Vel = 9.72
106	23.87	1.38	1T	6.0	71.250	24.723		K Factor @ node EQ01
to M2	69.2	120 0.3401		0.0	6.000 77.250	-0.472 26.272		Vel = 14.84
	0.0				.,,,,,,,	201212		701 7707
	69.20		AND CONTRACTOR		or all	50.523	E	K Factor = 9.74
107	32.02	1.38	2E	6.0	73.910	44.496		K Factor @ node EQ01
to M1	32.02	120 0.0818	1T	6.0 0.0	12.000 85.910	-0.472 7.024		Vel = 6.87
	0.0	0.0010		0.0	00.010	1.024		Vei - 0.07
	32.02				_ = _ =	51.048		K Factor = 4.48
101	22.50	1.38		0.0	12.000	21.968		K Factor @ node EQ01
to 102	22.5	120 0.0426		0.0	0.0	0.0	9	1/-1 - 1 00
102	22.76	1.38		0.0	12.000 14.000	0.511 22.479		Vel = 4.83
to	22.70	120		0.0	0.0	0.0		K Factor @ node EQ01
103	45.26	0.1551		0.0	14.000	2.171		Vel = 9.71
103	23.83	1.38	1T	6.0	71.250	24.650		K Factor @ node EQ01
to M3	69.09	120 0.3392		0.0	6.000 77.250	-0.472 26.200		Vel = 14.82
МЗ	0.0	2.635	<del></del>	0.0	10.000	50.378		Vei - 14.02
to		120		0.0	0.0	0.0		
M2	69.09	0.0145		0.0	10.000	0.145	9	Vel = 4.06
M2	69.20	2.635		0.0	10.000	50.523		
to M1	138.29	120 0.0525		0.0	0.0 10.000	0.0 0.525		Vel = 8.14
M1	32.02	2.635	1E	8.237	23.520	51.048		VG1 - 0.14
to		120		0.0	8.237	0.0		
TSR1	170.31	0.0771		0.0	31.757	2.450	~~	Vel = 10.02
TSR1 to	0.0	2.635 120	1E 1B	8.237 9.61	24.500 26.084	53.498 10.611		
BSR1	170.31	0.0771	1Z	8.237	50.584	3.901		Vel = 10.02
BSR1	0.0	4.07	1T	21.087	100.000	68.010	414	THE HAME TO SERVICE THE PARTY OF THE PARTY O
to	4-0.5	120	18	23.196	46.392	0.0		ven 1 men
UG1	170.31	0.0093	1G	2.109	146.392	1.360		Vel = 4.20
UG1 to	0.0	7.68 150	1E 1T	22.555 43.857	225.000 66.412	69.370 0.0		
UG2	170.31	0.0003	11	0.0	291.412	0.081		Vel = 1.18

### Final Calculations - Standard

### IMPERIAL FIRE PROTECTION CHRIST CENTRAL 2-STORY

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Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fit	ting or Iv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
UG2 to CONN	0.0 170.31	7.68 150 0.0003	1T 2F 1G 1Zii	43.857 22.555 5.012 0.0	500.000 71.424 571.424	69.451 10.128 0.159		* Fixed lo	ess = 10.12 18	28
CONN to TEST	0.0 170.31	11.2 150 0.0	6E 1T	179.405 66.446 0.0	1200.000 245.851 1445.851	79.738 -2.382 0.064		Vel = 0.	55	
	100.00 270.31		*****	¥.		77.420		Qa = 10 K Factor	0.00	



... Fire Protection by Computer Design

IMPERIAL FIRE PROTECTION 28651 NORTH DIESEL DRIVE #2 BONITA SPRINGS, FLORIDA 34135 239-948-0801

Job Name : CHRIST CENTRAL GATHERING

Building : GATHERING HALL Location : DESIGN AREA 2

System : 1

Contract : 2008-0356-D

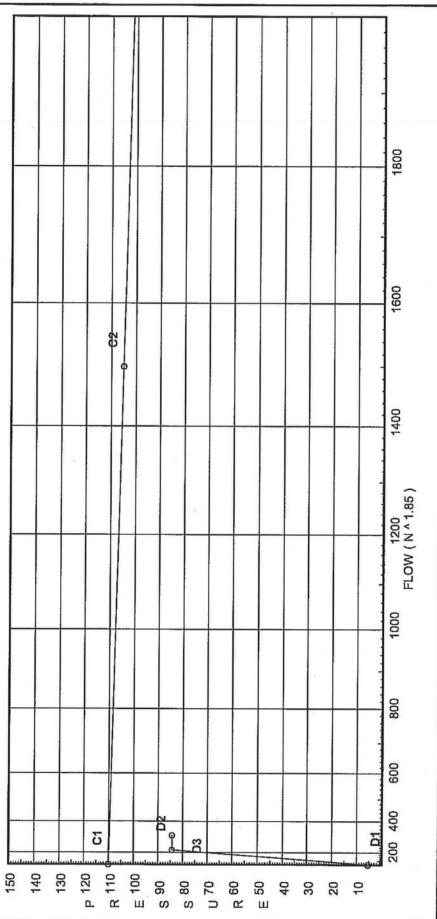
Data File : CHRIST CENTRAL GATHERING.wx1

IMPERIAL FIRE PROTECTION CHRIST CENTRAL GATHERING

1 010509

Page Date

100 322.339 25.368 5.414 222.339 84.341 Demand:
D1 - Elevation
D2 - System Flow
D2 - System Pressure
Hose ( Adj City )
Hose ( Demand )
D3 - System Demand
Safety Margin City Water Supply: C1 - Static Pressure : 110 C2 - Residual Pressure: 105 C2 - Residual Flow : 1500



Computer Programs by Hydratec Inc. Route 111 Windham N.H. USA 03087

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WPERM	HRIST (

SHE I	IMPERIAL FIRE PROTECTION CHRIST CENTRAL GATHERING				ž.									ě				Page Date	0,0	0509	
Fitting I Abbrev	tting Legend bbrev. Name	72	%	-	77	1%	2	272	m	31/2	4	ιD	9	- ∞	10	12	45	16	18	20	24
8 H H O F Z	Generic Butterfly Valve 90' Standard Elbow 45' Elbow Generic Gate Valve 90' Flow Thru Tee Generic Flow Switch Wilkins 475	0040801	0 2 4 0 4 2 0 4 2 0 4 2 0 4 2 0 4 2 0 4 2 0 0 0 0	ates a 7	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+ 4 4 0 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1 2 10 5 60 Flow	× 9 8 7 7 9 9	12 2 3 7 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10	9477380	204 200	52 5 2 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5	14 7 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	25 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	22 22 22 22	21 27 13 6 6 80	0 35 77 73 35	0 140 188 40	0 12 10 10 10 10 10 10 10 10 10 10 10 10 10	0 27 101 50 50	0 61 28 13 121 61

### Pressure / Flow Summary - STANDARD

### IMPERIAL FIRE PROTECTION CHRIST CENTRAL GATHERING

Page 3 Date 010509

	15 (40)		414					
Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
								33,432
D001	15.0	5.6	16.14	na	22.5	0.1	225	7.0
D002	15.0	5.6	16.14	na	22.5	0.1	225	7.0
206	10.0	K = K @ EQ02	28.02	na	25.5	0.1	220	7.0
207	14.0	K = K @ EQ01	27.54	na	25.77			
208	14.0	K = K @ EQ01	28.83	na	26.36			
209	14.0	K = K @ EQ01	31.61	na	27.6			
201 .	10.0	K = K @ EQ02	22.19	na	22.7			
202	10.0	K = K @ EQ02	22.35	na	22.78			
203	14.0	K = K @ EQ01	21.0	na	22.5			
204	14.0	K = K @ EQ01	23.17	na	23.64			
205	14.0	K = K @ EQ01	26.95	na	25.49			
<b>122</b>	15.0		49.48	na				
121	15.0		50.02	na				
rsR3	15.0		58.88	na				
BSR3	-4.0		72.8	na				
JG2	-4.0		76.31	na				
CONN	-4.0		86.62	na				
rest	1.5		84.34	па	100.0		19	

The maximum velocity is 18.45 and it occurs in the pipe between nodes 205 and M22

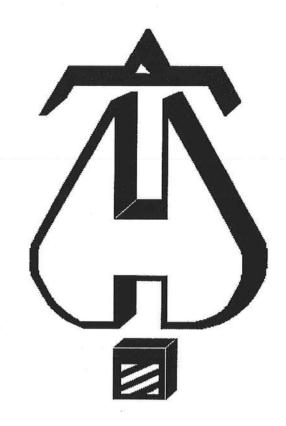
CHRIST	CENTRAL	GATHERING						Date 010509
Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft		ing or v. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	****** Notes *****
					WW.			
D001	22.50	1.049 120	1E	2.0 0.0	28.000 2.000	16.143 0.0		K Factor = 5.60
EQ01	22.5	0.1618		0.0	30.000	4.855		Vel = 8.35
	0.0 22.50					20.998		K Factor = 4.91
D002	22.50	1.049	1E	2.0	33.000	16.143		K Factor = 5.60
to EQ02	22.5	120 0.1618		0.0	2.000	0.0		V.I. 0.05
EUUZ	0.0	0.1018	******	0.0	35.000	5.664		Vel = 8.35
	22.50					21.807		K Factor = 4.82
206	25.50	1.049		0.0	6.120	28.019		K Factor @ node EQ02
to	05.5	120		0.0	0.0	-1.732		
207	25.5 25.77	0.2039 1.61		0.0	6.120 14.000	1.248 27.535	2014	Vel = 9.47
to	20.11	120		0.0	0.0	0.0		K Factor @ node EQ01
208	51.27	0.0922		0.0	14.000	1.291		Vel = 8.08
208	26.36	1.61		0.0	14.000	28.826		K Factor @ node EQ01
o 209	77.63	120 0.1986		0.0	0.0 14.000	0.0 2.780		Vel = 12.23
209	27.61	1.61	1T	8.0	46.040	31.606		K Factor @ node EQ01
0		120		0.0	8.000	-0.433		K T dolor @ 110do Edo 1
M21	105.24	0.3487		0.0	54.040	18.843		Vel = 16.59
	0.0 105.24					50.016		K Factor = 14.88
201	22.70	1.049	104444	0.0	1.000	22.188		K Factor @ node EQ02
o		120		0.0	0.0	0.0		N 1 dolor @ Hode EQU2
202	22.7	0.1640		0.0	1.000	0.164		Vel = 8.43
202 o	22.78	1.61 120		0.0	5.120 0.0	22.352 -1.732		K Factor @ node EQ02
203	45.48	0.0738		0.0	5.120	0.378		Vel = 7.17
203	22.50	1.61		0.0	14.000	20.998		K Factor @ node EQ01
O 204	67.00	120		0.0	0.0	0.0		
204 204	67.98 23.63	0.1553 1.61		0.0	14.000	2.174		Vel = 10.71
0	23.03	120		0.0	14.000 0.0	23.172 0.0		K Factor @ node EQ01
205	91.61	0.2698		0.0	14.000	3.777	-	Vel = 14.44
205	25.49	1.61	1T	8.0	46.040	26.949		K Factor @ node EQ01
o M22	117.1	120 0.4249		0.0	8.000 54.040	-0.433 22.960		Vel = 18.45
M22	0.0	2.635		0.0	14.000	49.476		Vel = 10.45
0		120		0.0	0.0	0.0		
M21	117.1	0.0386	0224	0.0	14.000	0.540		Vel = 6.89
M21	105.24	2.635 120	1E	8.237	61.910	50.016		
TSR3	222.34	0.1263		0.0	8.237 70.147	0.0 8.860		Vel = 13.08
TSR3	0.0	2.635	1E	8.237	19.000	58.876		701 10100
0		120	1B	9.61	26.084	8.229		
BSR3	222.34	0.1263	1Z	8.237	45.084	5.695		Vel = 13.08

### Final Calculations - Standard

IMPERIAL FIRE PROTECTION CHRIST CENTRAL GATHERING

Page 5 Date 010509

				A Prince				
Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft		tting or qv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	******* Notes *****
BSR3	0.0	4.07	2E	21.087	210.000	72.800		
to	0.0	120	2L	0.0	21.087	0.0		
UG2	222.34	0.0152		0.0	231.087	3.512		Vel = 5.48
UG2	0.0	7.68	1T	43.857	500.000	76.312		· · · · · · · · · · · · · · · · · · ·
to		150	2F	22.555	71.424	10.045		* Fixed loss = 10.045
CONN	222,34	0.0005	1G 1Zii	5.012 0.0	571.424	0.261		Vel = 1.54
CONN	0.0	11.2	6E	179.405	1200.000	86.618		The second secon
to		150	1T	66.446	245.851	-2.382		
TEST	222.34	0.0001		0.0	1445.851	0.105		Vel = 0.72
	100.00					-		Qa = 100.00
	322.34					84.341		K Factor = 35.10



... Fire Protection by Computer Design

IMPERIAL FIRE PROTECTION 28651 NORTH DIESEL DRIVE #2 **BONITA SPRINGS, FLORIDA 34135** 239-948-0801

Job Name : CHRIST CENTRAL SANCTUARY

Building

: EXISTING SANCTUARY

Location

: DESIGN AREA 3

System

Contract : 2008-0356-D

Data File

: CHRIST CENTRAL SANCTUARY.wx1

T A O C R K

A

G

Flue Spacing

Longitudinal

Horizontal Barriers Provided:

### Hydraulic Design Information Sheet Name - CHRIST CENTRAL MINISTRIES Date - 1-5-08 Location - DESIGN AREA 3 Building - EXISTING SANCTUARY System No. - 1 Contractor - BRYAN ZECHER CONS., INC. Contract No. - 2008-0356-D Drawing No. - FP 1 OF 2 Calculated By - KEN MOREY Construction: ( ) Combustible (X) Non-Combustible Ceiling Height - VARIES Occupancy - LIGHT HAZARD S (X) NFPA 13 (X) Lt. Haz. Ord.Haz.Gp. ( ) 1 ( ) 2 ( ) 3 ( ) Ex. Haz. Y ( ) NFPA 231 ( ) NFPA 231C ( ) Figure Curve S Other T Specific Ruling 11.2.3.2.4 AREA INC. Made By NFPA 13 Date 2002 E Area of Sprinkler Operation - 2017 M System Type Sprinkler/Nozzle Density (X) Wet Make RELIABLE - .10 D Area Per Sprinkler ( ) Dry - 225 Model F1-FR E Elevation at Highest Outlet - 30 Size 1/2" ( ) Deluge S Hose Allowance - Inside - N/A ( ) Preaction K-Factor 5.6 Rack Sprinkler Allowance I - N/A ( ) Other Temp.Rat.155 G Hose Allowance - Outside - 100 N Note Calculation Flow Required - 358.4 Press Required - 88.272 AT BASE OF RISER Summary C-Factor Used: 120 Overhead 150 Underground W Water Flow Test: Pump Data: Tank or Reservoir: Date of Test A - 11-18-08 Cap. -- N/A Time of Test T Rated Cap .-Elev.-Static Press - 110 E @ Press -Residual Press - 105 R Elev. Well Flow - 1500 Proof Flow S Elevation - 1.5 U P Location - CR 242 & SW DYAL AVE P L Source of Information - LAKE CIITY FIRE DEPT. Y C Commodity Class Location 0 Storage Ht. Area Aisle W. M Storage Method: Solid Piled Palletized Rack M ( ) Single Row ( ) Conven. Pallet ( ) Encap. ( ) Auto. Storage ( ) Double Row 5 R ( ) Slave Pallet ( ) Solid Shelf ( ) Non T ( ) Mult. Row ( ) Open Shelf

Transverse

Clearance: Storage to Ceiling

IMPERIAL FIRE PROTECTION CHRIST CENTRAL SANCTUARY

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Page Date

12.776 358.399 102.308 100 458.399 7.135 Demand:
D1 - Elevation
D2 - System Flow
D2 - System Pressure
Hose ( Adj City )
Hose ( Demand )
D3 - System Demand :
Safety Margin City Water Supply: C1 - Static Pressure : 110 C2 - Residual Pressure: 105 C2 - Residual Flow : 1500 2 5 R 110 E 100 150 140 130 120 U 70 s 90 S 80 R 60 E 50 40 20 30

۵

Computer Programs by Hydratec Inc. Route 111 Windham N.H. USA 03087

1800

1600

1400

1200 FLOW ( N ^ 1.85 )

1000

800

900

200 400

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Page Date

Fitting	-itting Legend																					
Appres	v. Name	1,7	3%	-	177	172	2	21/2	3	31/2	4	5	9	8	10	12	14	16	18	20	24	
	Generic Butterfly Valve	0	0	-	-	•	-	7	10	0	12	o	10	12	9	2	c	c	c	c	0	
ш	90' Standard Elbow	2	2	7	က	4	ıO	ω.	7	60	10	12	14	1 00	22	72	, to	40	4.5	2 6	, <u>c</u>	
ш.	45' Elbow	,	τ-	-	-	2	2	m	m	m	4	2 12	7	2 0	1		17	0	25	24	S &	
മ	Generic Gate Valve	0	0	0	0	0	·	-	· -		2	2	. m	4		9 6	7	2 ~	1 2	-	1 5	
ഗ	Generic Swing Check VIv	4	rO	ĸ	_	o	-	14	16	19	22	27	32	45	55	92	76	87	86	109	130	
<b>-</b>	90' Flow Thru Tee	က	4	ιΩ	ø	8	9	12	15	17	20	25	30	35	20	90	71	. 20	6	101	121	
7	Generic Flow Switch	N	7	2	m	4	ıc	9	7	80	10	12	14	18	22	24	L. C.	4n	45	202	· 6	
ΙZ	Wilkins 475	Fitting	g gener	ates a F	Fitting generates a Fixed Loss		on Flow	i.	100	ľ		!		2	1	ì	3	2	2	3	5	

### Pressure / Flow Summary - STANDARD

### IMPERIAL FIRE PROTECTION CHRIST CENTRAL SANCTUARY

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D001 D002 D003 349 309 310 311 312 313 348 347 315 304 305 306 307 308 346 336 300 301 302 303 335 334 333 333	26.83 29.16 30.0 27.5 27.83 30.16 31.0 30.16 27.83 12.0 12.0 23.33	5.6 5.6 5.6 K = K @ EQ01 K = K @ EQ02 K = K @ EQ03 K = K @ EQ02 K = K @ EQ01	16.14 16.14 16.14 42.62 37.29 35.3 34.8	na na na na na	22.5 22.5 22.5	0.1 0.1 0.1	225 225 225	7.0 7.0
D002 D003 349 309 310 311 312 313 348 347 315 304 305 306 307 308 346 336 300 301 302 303 335 335 336 337	29.16 30.0 27.5 27.83 30.16 31.0 30.16 27.83 12.0 12.0	5.6 5.6 K = K @ EQ01 K = K @ EQ02 K = K @ EQ03 K = K @ EQ02	16.14 16.14 42.62 37.29 35.3 34.8	na na na na	22.5	0.1	225	7.0
D002 D003 349 309 310 311 312 313 348 347 315 304 305 306 307 308 346 336 300 301 302 303 303 303 303 303 303 303	29.16 30.0 27.5 27.83 30.16 31.0 30.16 27.83 12.0 12.0	5.6 5.6 K = K @ EQ01 K = K @ EQ02 K = K @ EQ03 K = K @ EQ02	16.14 16.14 42.62 37.29 35.3 34.8	na na na na	22.5	0.1	225	7.0
349 309 310 311 312 313 348 347 315 304 305 306 307 308 346 336 300 301 302 303 335 334 333	27.5 27.83 30.16 31.0 30.16 27.83 12.0 12.0	5.6 K = K @ EQ01 K = K @ EQ02 K = K @ EQ03 K = K @ EQ02	16.14 42.62 37.29 35.3 34.8	na na na				7.0
349 309 310 311 312 313 348 347 315 304 305 306 307 308 346 336 300 3301 301 302 303 335 334	27.5 27.83 30.16 31.0 30.16 27.83 12.0 12.0	K = K @ EQ01 K = K @ EQ02 K = K @ EQ03 K = K @ EQ02	42.62 37.29 35.3 34.8	na na		0.1		7.0
310 311 312 313 348 347 315 304 305 306 307 308 346 336 300 301 302 303 335 334 333	27.83 30.16 31.0 30.16 27.83 12.0	K = K @ EQ02 K = K @ EQ03 K = K @ EQ02	37.29 35.3 34.8	na			220	7.0
311 312 313 348 347 315 304 305 306 307 308 346 336 330 330 301 301 302 303 335 334	31.0 30.16 27.83 12.0 12.0	K = K @ EQ02 K = K @ EQ03 K = K @ EQ02	35.3 34.8		23.76			
311 312 313 348 347 315 304 305 306 307 308 346 336 330 330 301 301 302 303 335 334	31.0 30.16 27.83 12.0 12.0	K = K @ EQ03 K = K @ EQ02	34.8		22.78			
313 348 347 315 304 305 306 307 308 346 336 300 301 302 303 335 334 333	27.83 12.0 12.0	K = K @ EQ02		na	22.5			
348 347 315 304 305 306 307 308 346 336 300 301 302 303 335 334 334	12.0 12.0		35.36	na	22.8			
347 315 304 305 306 307 308 346 336 336 330 331 332 333 335 334 333	12.0 12.0		37.46	na	23.82			
315 304 305 306 307 308 346 336 336 300 301 302 303 335 334	12.0		73.47	na				
304 305 306 307 308 346 336 330 301 302 303 335 334 333	22 22		73.43	na				
305 306 307 308 346 336 300 301 302 303 335 334	23,33		67.73	na				
306 307 308 346 336 300 301 302 303 335 334	27.83	K = K @ EQ01	42.05	na	25.24			
307 308 346 336 300 301 302 303 335 334	30.16	K = K @ EQ01	39.99	na	24.61			
308 346 336 300 301 302 303 335 334	31.0	K = K @ EQ01	39.5	na	24.46			
346 336 300 301 302 303 335 334	30.16	K = K @ EQ01	40.13	na	24.65			
336 300 301 302 303 335 334	27.83	K = K @ EQ01	42.5	na	25,37			
300 301 302 303 335 334 333	27.5	Section Community and Communit	43.13	na				
301 302 303 335 334 333	23.33		67.89	na				
302 303 335 334 333	30.16	K = K @ EQ01	57.78	na	29.58			
303 335 334 333	31.0	K = K @ EQ01	56.94	na	29.37			
335 334 333	31.16	K = K @ EQ01	56.99	na	29.38			
334 333	27.83	K = K @ EQ01	59.76	na	30.08			
333	23.33	SACTOR I	68.38	na				
	23.33		68.6	na				10
330	23.33		68.92	na				
	23.33		69.03	na				
331	23.33		69.12	na				
330	23.33		69.17	na				
316	23.33		67.85	na				
317	12.0		72.94	na				
318	12.0		73.49	na				
319	12.0		75.79	na				
320	12.0		75.79	na		•		
321	12.0		75.79	na				
322	23.33		70.98	na				
323	23.33		71.1	na				
324	23.33		71.31	na				
325	23.33		71.46	na				
326	23.33		71.79	na				
327	23.33		72.0	na				
328	23.33		72.37	na				
329	23.33		72.72	na				
TSR2	23.3		73.55	na				
BSR2	-4.0		88.27	na				
JG1	-4.0		93.66	na				
JG2	-4.0		93.98	na				
CONN	-4.0		104.44 102.31	na na	100.0			

The maximum velocity is 24.29 and it occurs in the pipe between nodes 346 and 322

<b>IMPERIAL</b>	FIRE PI	ROTECTION	
CHRIST C	ENTRAI	SANCTHAR	vc

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	. Interest and other histories	SANCTUARY						Date 010609	
Hyd. Ref. Point	Qa Qt	Dla. "C" Pf/Ft		tting or qv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	****** Notes **	****
	- 1	***************************************				MACHINE TO STATE OF THE STATE O			_
D001 to	22.50	1.049 120	1E 1T	2.0 5.0	28.000 7.000	16.143 11.620		K Factor = 5.60	
EQ01	22.5	0.1618		0.0	35.000	5.664		Vel = 8.35	
	0.0 22.50					33.427		K Factor = 3.89	
D002	22.50	1.049	1E	2.0	28.000	16.143		K Factor = 5.60	
to FOOD	20.5	120	1T	5.0	7.000	12.629			
EQ02	22.5 0.0	0.1618		0.0	35.000	5.664		Vel = 8.35	
	22.50					34.436		K Factor = 3.83	
D003	22.50	1.049	1E	2.0	28.000	16.143		K Factor = 5.60	
to		120	1T	5.0	7.000	12.993			
EQ03	22.5	0.1618		0.0	35.000	5.664		Vel = 8.35	
	0.0 22.50					34 900		K Feeter - 2.04	
349	-56.80	1.442	1E	3.716	16.090	34.800 42.625	<del></del>	K Factor = 3.81	
0	-30.00	120	1T	7.432	11.148	-0.143			
309	-56.8	-0.1906		0.0	27.238	-5.191		Vel = 11.16	
309	23.76	1.442	3 33.1010/302	0.0	14.000	37.291		K Factor @ node EQ01	1
0	00.04	120		0.0	0.0	-1.009			
310	-33.04	-0.0699		0.0	14.000	-0.979		Vel = 6.49	
310 o	22.78	1.442 120	2E	7.432 0.0	9.900 7.432	35.303 -0.364		K Factor @ node EQ02	2
311	-10.26	-0.0080		0.0	17.332	-0.139		Vel = 2.02	
311	22.50	1.442	2E	7.432	10.000	34.800	ye	K Factor @ node EQ03	3
o		120		0.0	7.432	0.364		TT dotor & mode Educ	
312	12.24	0.0111		0.0	17.432	0.194		Vel = 2.40	
312	22.80	1.442		0.0	14.000	35.358		K Factor @ node EQ02	2
o 313	35.04	120 0.0779		0.0	0.0 14.000	1.009 1.091		Vel = 6.88	
313	23.82	1.442	1E	3.716	16.000	37.458			,
0	20.02	120	1T	7.432	11.148	0.143		K Factor @ node EQ01	1
346	58.86	0.2036		0.0	27.148	5.526		Vel = 11.56	
	0.0							Manager College College College	
	58.86		*			43.127		K Factor = 8.96	
348	17.36	1.442	4E	14.864	79.000	73.475			
o 320	17.36	120 0.0213	2T	14.864 0.0	29.728 108.728	0.0 2.312		Vel = 3.41	
	0.0	0.0210		0.0	100.720	2.012		VOI - 0.41	
	17.36	9				75.787		K Factor = 1.99	
347	20.49	1.442	2T	14.864	67.000	73.426	91		
0		120		0.0	14.864	0.0			
321	20.49	0.0289		0.0	81.864	2.366		Vel = 4.03	
	0.0 20.49					75 700		K Easter = 2.25	
315		1 //2	47	7 420	2E 000	75.792		K Factor = 2.35	
	-116.37	1.442 120	1T	7.432 0.0	25.000 7.432	67.727 -1.806			
0									

### IMPERIAL FIRE PROTECTION

17.64

15.86

15.86

1.442

0.0180

120

8E

2T

29.728

14.864

0.0

334

325

to

Page 6 CHRIST CENTRAL SANCTUARY 010609 Date Hyd. Qa Dia. Pt Pt Fitting Pipe "C" \*\*\*\*\* Ref. PV Ftng's Pe Notes or Pf/Ft Point Qt Eqv. Ln. Total Pf Pn 349 56.80 1.442 0.0 2.090 42.625 120 0.0 to 0.0 -0.143304 -59.57 -0.20810.0 2.090 -0.435Vel = 11.70 304 25.24 K Factor @ node EQ01 1.442 0.0 14.000 42.047 120 0.0 to 0.0 -1.009305 -34.33 -0.07510.0 14.000 -1.051Vel = 6.74 305 1.442 7.432 24.61 2E 9.900 39.987 K Factor @ node EQ01 120 to 0.0 7.432 -0.364306 -9.72-0.00730.0 17.332 -0.126Vel = 1.91306 24.45 1.442 2E 7.432 10.000 39,497 K Factor @ node EQ01 to 120 0.0 7.432 0.364 307 14.73 0.0157 0.0 17.432 0.273 Vel = 2.89 307 24.66 1.442 0.0 14.000 40.134 K Factor @ node EQ01 120 0.0 to 0.0 1.009 308 39.39 0.0969 0.0 14.000 Vel = 7.741.356 308 25,37 1.442 0.0 2.000 42,499 K Factor @ node EQ01 to 120 0.0 0.0 0.143346 64.76 0.2425 0.0 2.000 0.485 Vel = 12.72346 58.86 1.442 1T 7.432 25.000 43.127 to 120 0.0 7.432 1.806 322 123.62 0.8032 0.0 32.432 26.051 Vel = 24.290.0 123.62 70.984 K Factor = 14.67 336 -49.451.442 1T 7.432 41.090 67.890 to 120 0.0 7.432 -2.958300 -49.45 -0.14750.0 48.522 -7.156Vel = 9.71 300 29.58 1.442 2E 7.432 9.900 57.776 K Factor @ node EQ01 to 120 0.0 7.432 -0.364301 -19.87-0.02730.0 17.332 -0.473Vel = 3.90301 29.36 1.442 2E 7.432 10.000 56.939 K Factor @ node EQ01 to 120 0.0 7.432 -0.069302 9.49 0.0069 0.0 17.432 0.121Vel = 1.86 302 29.38 1.442 0.0 14.000 56.991 K Factor @ node EQ01 to 120 0.0 0.0 1.442 303 38.87 0.0945 0.0 14.000 Vel = 7.64 1.323 303 30.09 1.442 1T 7.432 27.000 59.756 K Factor @ node EQ01 to 120 0.0 7.432 1.949 323 68.96 0.2728 0.0 34.432 9.393 Vel = 13.55 0.0 68.96 71.098 K Factor = 8.18335 17.64 1.442 4E 14.864 104.000 68.376 to 120 2T 14.864 29.728 0.0 324 17.64 0.0219 0.0 133.728 2.930 Vel = 3.470.0

114.000

44.592

158.592

71.306

68.603

2.855

0.0

K Factor = 2.09

Vel = 3.12

<b>IMPERIAL</b>	FIRE P	ROTECT	ION
CHRIST CI	=NTRA	I SANCT	HARY

317

55.16

0.0096

Page 7 010609 Date Hyd. Qa Dia. Pt Pt Fitting Pipe "C" Ref. or Ftng's Pe Pv Notes Point Pf/Ft Qt Eqv. Ln. Total Pf Pn 0.0 15.86 71.458 K Factor = 1.88 333 17.52 1.442 14.864 103.000 68.919 4E 120 2T 14.864 29.728 to 0.0 326 17.52 0.0216 0.0 132,728 2.872 Vel = 3.44 0.0 17.52 71.791 K Factor = 2.07 332 17.78 1.442 4E 14.864 104.000 69.030 2T 14.864 to 120 29.728 0.0 327 17.78 0.0222 0.0 133.728 2.971 Vel = 3.490.0 17.78 72.001 K Factor = 2.10331 1.442 14.864 20.06 2T 102.000 69.120 120 0.0 to 14.864 0.0 328 20.06 0.0278 0.0 116.864 3.247 Vel = 3.94 0.0 20.06 72.367 K Factor = 2.36 315 2.635 61.21 0.0 14.000 67.727 120 to 0.0 0.0 0.0 336 61.21 0.0116 0.0 14.000 0.163 Vel = 3.60336 49.46 2.635 0.0 14.000 67.890 to 120 0.0 0.0 0.0 335 110.67 0.0347 0.0 14.000 0.486 Vel = 6.51335 -17.642.635 0.0 9.000 68.376 to 120 0.0 0.0 0.0 334 93.03 0.0252 0.0 9.000 0.227 Vel = 5.47334 -15.872.635 0.0 17.710 68.603 to 120 0.0 0.0 0.0 333 77.16 0.0178 0.0 17.710 0.316 Vel = 4.54333 -17.52 2.635 0.0 10.000 68.919 to 120 0.0 0.0 0.0 332 59.64 0.0111 0.0 10.000 0.111 Vel = 3.51 332 -17.782.635 0.0 15.630 69.030 to 120 0.0 0.0 0.0 331 41.86 0.0058 0.0 15.630 0.090 Vel = 2.46 331 -20.062.635 1T 16.474 13.420 69.120 to 120 0.0 16.474 0.0 330 21.8 0.0017 0.0 0.051 29.894 Vel = 1.28330 7.432 0.0 1.442 1T 102.000 69,171 to 120 0.0 7.432 0.0 329 21.8 0.0324 0.0 109,432 3.548 Vel = 4.28 0.0 21.80 72.719 K Factor = 2.56315 8.237 55.16 2.635 1E 4.280 67.727 to 120 0.0 8.237 0.0 316 55.16 0.0096 0.0 12.517 0.120 Vel = 3.25316 0.0 2.635 1E 8.237 11.330 67.847 to 120 0.0 8,237 4.907

0.188

Vel = 3.25

19.567

0.0

Hyd. Ref.	Qa	Dia. "C"	Fi	tting or	Pipe Ftng's	Pt Pe	Pt Pv	****** Notes *****
Point	Qt	Pf/Ft	Ed	įv. Ln.	Total	Pf	Pn	
317	0.0	2,635	2E	16.474	34.080	72.942		
to		120		0.0	16.474	0.0		\/-I - 0.05
347 347	55.16 -20.49	0.0096 2.635		0.0	50.554 12.000	73.426		Vel = 3.25
to	-20.43	120		0.0	0.0	0.0		
348	34.67	0.0041		0.0	12.000	0.049		Vel = 2.04
348	-17.36	2.635		0.0	10.250	73.475		
to 318	17.31	120 0.0011		0.0	0.0 10.250	0.0 0.011		Vel = 1.02
318	0.0	1.442	4E	14.864	79.000	73.486		1100
to		120	2T	14.864	29.728	0.0		anamann, via raian
319	17.31	0.0212		0.0	108.728	2.300		Vel = 3.40
319 to	0.0	4.26 120		0.0	10.250 0.0	75.786 0.0		
320	17.31	0.0001		0.0	10.250	0.001		Vel = 0.39
320	17.36	4.26		0.0	12.000	75.787		
to	04.07	120		0.0	0.0	0.0		20 D3 884483
321	34.67	0.0004	455	0.0	12.000	0.005		Vel = 0.78
321 to	20.49	4.26 120	4E	52.668 0.0	54.700 52,668	75.792 -4.907		
322 .	55.16	0.0009		0.0	107.368	0.099		Vel = 1.24
322	123.62	4.26		0.0	14.000	70.984		*****
to	470.70	120		0.0	0.0	0.0		
323 323	178.78 68.95	0.0081 4.26		0.0	14.000	0.114		Vel = 4.02
to	00.90	120		0.0	14.000 0.0	71.098 0.0		
324	247.73	0.0149		0.0	14.000	0.208		Vel = 5.58
324	17.64	4.26		0.0	9.000	71.306		
to 325	265.37	120 0.0169		0.0	0.0	0.0		V-I - 5 07
325	15.87	4.26		0.0	9.000	0.152 71.458	_	Vel = 5.97
to	15.67	120		0.0	0.0	0.0		
326	281.24	0.0188		0.0	17.710	0.333		Vel = 6.33
326	17.52	4.26		0.0	10.000	71.791		
to 327	298.76	120 0.0210		0.0	0.0	0.0		Val - 0.70
327	17.78	4.26		0.0	10.000 15.630	0.210 72.001		Vel = 6.73
to	17.70	120		0.0	0.0	0.0		
328	316.54	0.0234		0.0	15.630	0.366		Vel = 7.13
328	20.06	4.26		0.0	13.420	72.367		
to 329	336.6	120 0.0262		0.0	0.0	0.0		Vol = 7.59
329	21.80	4.26	1E	13.167	13.420 14.630	0.352 72.719		Vel = 7.58
to	21.00	120	112	0.0	13.167	0.013		
TSR2	358.4	0.0294		0.0	27.797	0.818		Vel = 8.07
TSR2	0.0	4.26	1B	15.8	27.330	73.550		
o BSR2	358.4	120	1Z	13.167	71.102	11.824		Vol. = 9.07
DORZ	300.4	0.0294	18	28.968	98.432	2.898		Vel = 8.07

### Final Calculations - Standard

IMPERIA	LFIRE	PROTI	ECTION
CHRIST	CENTR	AL SA	NCTUARY
	- Chicago Carro		V 100 MINISTER

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Hyd.	Qa	Dia.	Fi	tting	Pipe	Pt	Pt			
Ref.	020101	"C"	9200	or	Ftng's	Pe	Pv	*****	Notes	****
Point	Qt	Pf/Ft	E	qv. Ln.	Total	Pf	Pn			
			1E	13.167					8	
BSR2	0.0	4.07	1T	21.087	100.000	88.272			***************************************	
to	0.0	120	18	23.196	46.392	0.0				
UG1	358.4	0.0368	1G	2.109	146.392	5.383		Vel = 8.8	34	
UG1	0.0	7.68	1E	22.555	225.000	93.655				
to		150	1T	43.857	66.412	0.0				
UG2	358.4	0.0011		0.0	291.412	0.322		Vel = 2.4	18	
UG2	0.0	7.68	1T	43.857	500.000	93.977	),,	,		
to		150	2F	22.555	71.424	9.827		* Fixed los	ss = 9.827	7
CONN	358.4	0.0011	1G	5.012	571.424	0.631		Vel = 2.4	18	
			1Zii	0.0						
CONN	0.0	11.2	6E	179.405	1200.000	104.435				
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### SUBSURFACE EXPLORATION CHRIST CENTRAL MINISTRIES-BUILDING ADDITIONS LAKE CITY, COLUMBIA COUNTY, FLORIDA CTI PROJECT NO. 08-00537-01

--- Prepared for --Bryan Zecher Construction, Inc.
P.O. Box 815
Lake City, Florida 32055

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



### Cal-Tech Testing, Inc.

Engineering Geotechnical

P.O. Box 1625 • Lake City, FL 32056

4784 Rosselle Street • Jacksonville, FL 32254

Tel. (386) 755-3633 • Fax (386) 752-5456 Tel. (904) 381-8901 • Fax (904) 381-8902

Environmental

**LABORATORIES** 

October 30, 2008

Bryan Zecher Construction, Inc.

P.O. Box 815

Lake City, Florida 32055

Attention:

Mr. Bryan Zecher, President

Subject:

Report of Subsurface Exploration

Christ Central Ministries-Building Additions

Lake City, Columbia County, Florida

CTI project No. 08-00537-01

Dear Mr. Zecher:

Cal-Tech Testing, Inc. (CTI) has completed the subsurface exploration for the new building additions at the existing Christ Central Ministries facility. Authorization to this work was provided by you in a facsimile dated October 23, 2008. This report briefly outlines our understanding of the planned construction, describes the field exploration, presents the collected data, and provides our geotechnical engineering evaluation of the subsurface conditions, with respect to the planned construction and estimated structural loading conditions. Also included in this report are our recommendations for the design and construction of the building foundations.

### Introduction

The purpose of this exploration was to develop information concerning the site and subsurface conditions in order to evaluate site preparation requirements and foundation support recommendations for the proposed additions at the existing Christ Central Ministries church. The subject site is located on the east side of Dyal Road approximately 1,400 feet south of CR 242 in Lake City, Columbia County, Florida. The proposed building additions will be constructed north and south of the main building. We understand the east building addition will be approximately 120' by 40' one-story structural steel building attached to the existing main church building. The west building addition will have an irregular shape and will consist of an approximately 120' by 90' one-story structural steel building with attached porches/patios.

Detailed structural loading information has not been provided to us; however, we assume that bearing wall and individual column loads will not exceed 4 kips per lineal foot and 125 kips, respectively. We anticipate that soil-supported floor live loads will not exceed 150 psf. We also anticipate that finished floor elevation will be at or near the existing ground surface with new earthwork fill or cut not to exceed 12 inches to achieve desired finished subgrade elevations.

### Field Program

Our field program consisted of performing six (6) Standard Penetration Test (SPT) borings within the proposed building additions. The SPT borings were extended 15 feet below the existing ground surface. The SPT borings were performed at the approximate locations shown on the attached Field Exploration Plan. These locations were determined in the field and measured by tape and turning approximate right angles from existing features (building corners). Therefore, the borings location should be considered only as accurate as the means and methods by which they were obtained.

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

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

### **Subsurface Conditions**

The soil profile as disclosed by SPT borings B-1 through B-6 initially consisted of about 6 to 9 inches of light gray silty fine sand with organics (TOPSOIL). This surface cover is underlain by alternating layers of gray to tan silty fine sand (SP-SM), yellowish tan slightly silty fine sand (SP), reddish brown and light gray, mottled, clayey fine sand (SC), light and reddish tan, mottled, sandy clay (CL), or cream to white weathered limestone.

The standard resistance or "N" values of the sandy soils ranged from 2 to 32 Blows Per Foot (BPF) indicating the granular soils to vary from very loose to dense in relative density. The clayey soils have a firm to very stiff consistency with an "N" values ranging from 8 to 25 BPF. Refer to the attached boring log for more details.

### **Groundwater Conditions**

The depth to the groundwater was measured at the boring locations at the time drilling was completed. The groundwater table was not encountered in any of the test borings. We note that due to the relatively short time frame of the field exploration and presence of clayey soils, the groundwater may not have had sufficient time to stabilize. For a true "stabilized" groundwater level reading,

piezometers may be required. In any event, fluctuation in groundwater levels should be anticipated due to seasonal climatic conditions, construction activities, rainfall variations, surface water runoff, and other site-specific factors.

### General Area Geology/Sinkhole Potential

A cursory review of the site geology in this area indicates the subject project is underlain by Undifferentiated Quaternary Sediments (**Qu**) of the Pleistocene and Holocene epochs. These sediments consist of siliciclastics, organics and freshwater carbonates. The siliciclastics are light gray, tan, brown to dark, unconsolidated to poorly consolidated, clean to clayey, silty, fossiliferous, variably organic-bearing sands to blue green to olive green, poorly to moderately consolidated, sandy, silty, clays. Freshwater carbonates "marls" are buff colored to tan, unconsolidated to poorly consolidated, fossiliferous (mollusks) carbonate muds containing organics.

The limestone in this area consists of carbonate rock and its weathered residuum. In Columbia County, Florida and the surrounding areas, the limestone is marked by solution features (sinkholes) associated with *karst* terrains. Sinkholes are primarily caused by an advanced state of internal soil erosion or raveling action, which under certain circumstances can lead to ground subsidences. This internal soil erosion is a very slow process by which soil particle usually migrate under the influence of a hydraulic gradient to underlying Karsted and/or fractured limestone formation. A review of the Sinkhole Database issued by the Florida Geological Survey indicates a number of sinkhole occurrences within a 3½-mile radius of the subject site. It should be noted that only reported sinkholes are documented in this database. Our site observation and results of the test borings did not reveal presence of active sinkholes within the explored areas. Therefore, it is our opinion the proposed development on this site will have no greater risk of damage due to sinkhole activity than development of structures in other areas within the immediate vicinity of the subject site.

### **Foundation Recommendations**

Based on the data obtained during this exploration, and the anticipated structural loading and grading conditions, it is our opinion the proposed building additions can be supported on a conventional shallow foundation system. This shallow foundation system may be designed using a maximum allowable soil bearing pressure of 2,000 psf. A detailed settlement analysis was beyond the scope of this exploration. However, based on our experience, the assumed loads, and the available site and subsurface information, we anticipate the new addition should experience total and differential settlements of less than 1 inch and ½-inch, respectively. We note that these settlement estimates are based on the structural loading and site grading assumptions stated previously. If the grading or structural assumptions are incorrect, we should be notified so that we can re-evaluate our recommendations.

### **Uplift Resistance**

Under wind loading conditions, some of the proposed structures will likely be subjected to considerable uplift forces. In order to resist these uplift forces, it may be necessary to increase the footing size (thus increasing the dead weight) or lower the footing to mobilize additional soil weight

above the footing. Uplift resistance from the soil may be evaluated as the weight of the soil directly above the footing, plus the shearing resistance along the vertical face of the soil prism. Alternately, the available soil uplift resistance may be calculated as the weight of the soil prism defined by the diagonal line drawn from the top of the footing to the ground surface at an angle of 30 degrees with the vertical. A moist unit weight of 100 pcf (compacted to a minimum of 95% of the modified Proctor's maximum dry density) may be used for well-compacted, suitable fill. Should the bottom of any structure bear at depths below the groundwater level, these structures must be properly designed to resist the resulting uplift forces due to hydrostatic pressures.

### Lateral Resistance

Lateral loads created by wind loads may be resisted by the passive pressure of the soil acting against the side of the individual footings and/or the friction developed between the base of the foundation system and the underlying soils. For compacted backfill and/or in-situ material, the passive pressure may be taken as an equivalent to the pressure exerted by a fluid weighing 300 pcf for above the ground-water table and 113 pcf below water level. A coefficient of friction equal to 0.35 may be used for calculating the frictional resistance at the base of the shallow footings. The resistance values discussed herein are based on the assumption that the foundations can withstand horizontal movements on the order of ¼ inch. Lateral resistance determined in accordance with the recommendations provided should be considered the total available resistance. Consequently, the design should include a minimum factor of safety of 1.5.

### Site Clearing/Grading

Initial site preparation should consist of relocating existing utilities that fall within the new construction areas. This should be followed by the removal of all topsoil, organics and any other deleterious materials that falls within the construction area. The perimeter areas may need to be graded to help direct surface water runoff away from the planned construction areas.

### Foundation Size and Bearing Depth

The minimum width recommended for isolated spread-type footings and continuous wall footings is 24 and 18 inches, respectively. All exterior footings should bear at a depth of at least 18 inches below the exterior final grades. Interior footings should bear at a depth of at least 18 inches below the interior floor slab. These recommended minimum-bearing depths should provide the necessary confinement for the foundation bearing level soils.

To alleviate differential settlement of the existing structure due to new imposed loads of the east building addition, the footing bearing elevation of this addition should be made to bear at the elevation of the existing footing system.

### **Bearing Material**

The foundations should bear in either natural soils, or in compacted structural fill/backfill. If sandy soils exist at the footing bearing level, they should be compacted to densities equivalent to 95 percent of the modified Proctor maximum dry density (ASTM D 1557). Compaction should not be attempted on clayey soils at the footing bearing level (if any encountered). Rather they should be excavated using a smooth bucket/shovel, and replaced with a working platform of 10 to 12-inches of coarse concrete aggregate or two to three inches of lean concrete mud mat.

### **Ground Floor Slab Support**

The ground floor slab for the proposed addition may be constructed directly on a re-compacted fine sand subgrade. Structural fill soils placed directly beneath the slab should be compacted to a minimum of 95 percent of the modified Proctor maximum dry density (ASTM D-1557) to a depth of at least 12 inches. Proper jointing should be installed around columns and walls to allow slabs and foundations to settle differentially.

### Site & Fill Compaction

We recommend that exposed and underlying soils be compacted to densities equivalent to 95 percent of the modified Proctor maximum dry density (ASTM D-1557). To compact the exposed and underlying soils, we recommend using a roller that has a static at-drum weight on the order of four to five tons and a drum diameter on the order of four feet (the roller should operate in static mode to avoid damage to the existing foundation system). The initial compaction operations should also consist of at least eight overlapping passes of the roller in each direction. This compaction effort should help improve the overall uniformity and bearing conditions of the near-surface soils. Caution should be exercised during the compaction of soils adjacent to the existing building. Compaction of fill placed adjacent to the existing footing system may be accomplished using a plate tamper.

Test borings B-1 and B-2 indicated the presence of very loose sandy soils within the upper 5 feet of the existing ground surface. The majority of these soils (with the exception of the topsoil) are considered suitable for reuse as structural fill, however, they are not considered acceptable for the support of the proposed building in their current conditions. To improve the density of these supporting soils, the upper 4 feet of the site soils within the eastern building area (including 5 feet outside the perimeter of the building where not conflicting with the existing building) should be overexcavated and recompacted as indicated herein. Excavation adjacent to the existing foundation system may be performed on a 1.5(H):1(V) to depths not exceeding 5 feet. In addition, these excavations should be properly backfilled the same day they are opened.

Using a roller meeting the above requirements, structural fill required to raise the site to the planned finish grades may then be placed in loose lifts not exceeding 12 inches in thickness, and should then be compacted to densities similar to those recommended above. For ease of construction and compaction, we recommend that structural fill consist of a non-plastic, inorganic, granular soil containing less than 10 percent material passing the 200 mesh sieve (i.e., relatively clean sand). The upper fine sands encountered in our boring should meet this criteria.

### **Construction Monitoring and Testing Guidelines**

Prior to initiating compaction operations, we recommend that representative samples of the on-site and any off-site materials to be used as structural fill be tested to determine their compaction and classification characteristics. These tests are needed for compaction quality control of the structural fill/backfill and existing soils and to determine if the fill/backfill material is acceptable. A representative number of in-place field density tests should be performed in the compacted soils and in each lift of structural fill or backfill to verify that the required degree of compaction has been achieved. In-place density tests should also be performed at representative locations in the bearing level soils in the footing excavation bottoms. The following minimum density testing frequencies are recommended:

Area	Recommended Minimum Density Test Frequency
Concrete slab-on-grade	1 test per 2,500 ft <sup>2</sup> in compacted existing soils and in each lift of structural fill.
Footing Bearing Level Soils	
-Spread Footings	1 test per 100 ft <sup>2</sup> of bearing surface
-Continuous/Strip Footings	1 test per 100 lineal feet of bearing surface
Pavement Areas	1 test per 5,000 ft <sup>2</sup>

### Report Limitations

This report has been prepared for the exclusive use of Bryan Zecher Construction, Inc. of Lake City, Florida for the specific application to the project discussed herein. Our conclusions and recommendations have been rendered using generally accepted standards of geotechnical engineering practice in the State of Florida, no other warranty is expressed or implied. CTI is not responsible for the interpretations, conclusions, opinions, or recommendations of others based on the data contained herein. We note that assessment of environmental conditions for the presence of pollutants in the soil, rock, or groundwater at the site was beyond the scope of the exploration. Field observations, monitoring, and quality assurance testing during earthwork and foundation installation are an extension of the geotechnical design. We recommend that the owner retain these services and that CTI be allowed to continue our involvement in the project through these phases of construction. During construction, we accept no responsibility for job site safety; which is the sole responsibility of the contractor.

### Closing

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

Very truly yours,

Cal-Tech Testing, Inc.

David B. Brown

**Executive Vice President** 

Mabil O. Hmeidi, P.E.

Senior Geotechnical Engineer Licensed, Florida No. 57842

Distribution:

File (1 copy)

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Attachments:

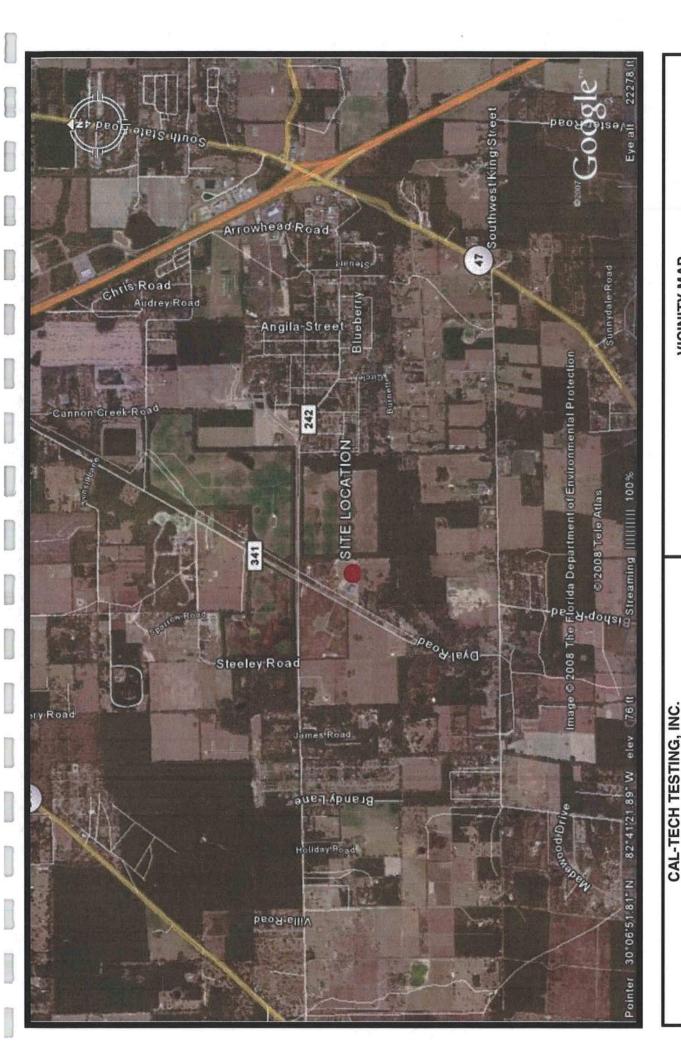
Vicinity Map (1 page)

Field Exploration Plan (1 page) Record of Auger Boring (6 page)

Unified Soil Classification System (1 page)

Key To Test Data (1 page)

**ATTACHMENTS** 

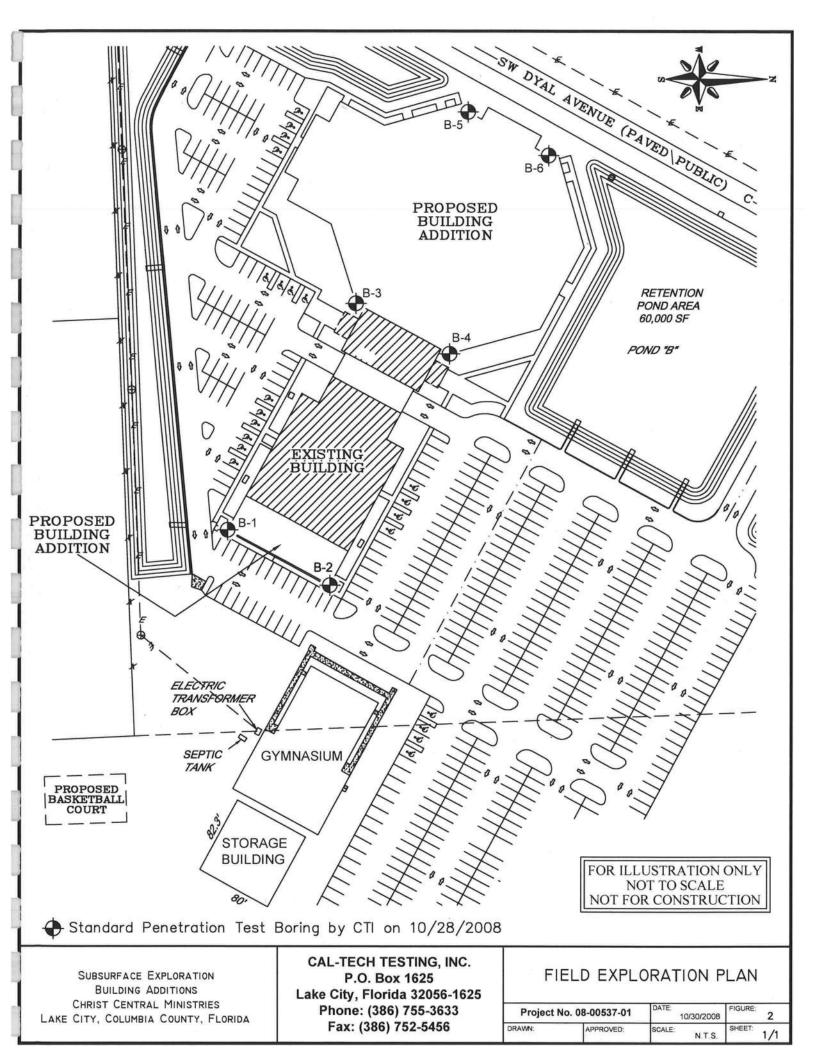


VICINITY MAP
Christ Central Ministries – Building Additions
Lake City, Columbia County, Florida
Cal-Tech Testing Project No. 08-00537-01

Lake City, Florida 32056-1625

P.O. Box 1625

Phone: (386) 755-3633 Fax: (386) 752-5456 Figure



### CAL-TECH TESTING, INC. **BORING NUMBER B-1** 3309 SW SR 247 Lake City, Florida 32024 Telephone: (386) 755-3633 Fax: (386) 752-5456 CLIENT Bryan Zecher Construction PROJECT NAME Christ Central Ministries - Building Additions PROJECT NUMBER 08-00537-01 PROJECT LOCATION Dyal Avenue, Lake City, Columbia County, Florida DATE STARTED 10/28/08 COMPLETED 10/28/08 GROUND ELEVATION HOLE SIZE DRILLING CONTRACTOR Cal-Tech Testing, Inc. GROUND WATER LEVELS: DRILLING METHOD Split Spoon Sampling AT TIME OF DRILLING ---LOGGED BY N.H. CHECKED BY \_\_\_\_\_ AT END OF DRILLING \_-- Not Encountered NOTES BK-51 (Manual Hammer) AFTER DRILLING \_---▲ SPT N VALUE ▲ SAMPLE TYPE NUMBER POCKET PEN. (tsf) DRY UNIT WT. (pcf) RECOVERY (RQD) GRAPHIC DEPTH (ft) MATERIAL DESCRIPTION 20 40 60 ☐ FINES CONTENT (%) ☐ 20 40 60 Light gray, silty fine sand with organics (TOPSOIL) VERY LOOSE, gray to tan, silty fine sand (SP-SM) SPT 1-1-1 100 (2) SPT 1-2-2 100 (4) IICALTECHSERVERIALL LAKE CITY PROJECTS\2008\08-00537-01\08-00537-01\GP. SPT 3-1-1 100 3 (2) VERY LOOSE to LOOSE, yellowish tan, slightly silty fine sand SPT 2-1-1 100 (2) SPT 1-2-3 100 5 (5)SPT 3-4-5 100 (9)10 FIRM, light gray and reddish tan, mottled, sandy clay (CL) 3-3-5 100 (8) BH PLOTS - GINT STD US LAB.GDT Bottom of borehole at 15.0 feet.

40

## CAL-TECH TESTING, INC. 3309 SW SR 247 Lake City, Florida 32024 Telephone: (386) 755-3633 Fax: (386) 752-5456 CLIENT Bryan Zecher Construction PROJECT NUMBER 08-00537-01 DATE STARTED 10/28/08 COMID DRILLING CONTRACTOR Cal-Tech Testing

### **BORING NUMBER B-2**

PAGE 1 OF 1

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### CAL-TECH TESTING, INC. **BORING NUMBER B-3** 3309 SW SR 247 Lake City, Florida 32024 Telephone: (386) 755-3633 Fax: (386) 752-5456 CLIENT Bryan Zecher Construction PROJECT NAME Christ Central Ministries - Building Additions PROJECT NUMBER 08-00537-01 PROJECT LOCATION Dyal Avenue, Lake City, Columbia County, Florida DATE STARTED 10/28/08 COMPLETED 10/28/08 GROUND ELEVATION HOLE SIZE DRILLING CONTRACTOR Cal-Tech Testing, Inc. GROUND WATER LEVELS: DRILLING METHOD Split Spoon Sampling AT TIME OF DRILLING \_---CHECKED BY LOGGED BY N.H. AT END OF DRILLING \_-- Not Encountered NOTES BK-51 (Manual Hammer) AFTER DRILLING \_---▲ SPT N VALUE ▲ POCKET PEN. (tsf) DRY UNIT WT. (pcf) SAMPLE TYPE NUMBER RECOVERY (RQD) BLOW COUNTS (N VALUE) GRAPHIC MATERIAL DESCRIPTION ☐ FINES CONTENT (%) ☐ 20 40 60 80 Light gray, silty fine sand with organics (TOPSOIL) LOOSE, gray to tan, silty fine sand (SP-SM) SPT 4-4-6 100 (10)SPT 6-4-5 100 (9) GEOTECH BH PLOTS - GINT STD US LAB. GDT - 10/30/08 13:12 - \(CALTECHSERVER\ALL LAKE CITY PROJECTS\2008\08-00537-01\08-00537-01\08-SPT 3-4-5 100 (9) MEDIUM DENSE, yellowish tan, slightly silty fine sand (SP) SPT 6-10-11 100 (21)DENSE, reddish brown and light gray, mottled, clayey fine sand SPT 12-14-17 100 5 (31)SPT 17-17-15 100 6 (32)VERY STIFF, light gray and reddish tan, mottled, sandy clay (CL)

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

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

### BORING NUMBER B-5 PAGE 1 OF 1

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ł	0	47.4	Light gray, silty fine sand with organics (TOPSOIL)							20 40 60 80
			LOOSE to MEDIUM DENSE, gray to tan, silty fine sand (SP	-SM)						
	_				CDT		4.4.5			
					SPT 1	100	4-4-5 (9)			<b>.</b>
1										
					SPT	100	6-6-5	10		
GPJ					2	100	(11)			T
7-01					V					
-0053	5				SPT 3	100	4-4-4 (8)			
91108			MEDIUM DENSE, reddish brown and light gray, mottled, cla fine sand (SC)	ayey			37.6			
537-0			into saila (00)		SPT	400	3-5-10			
08-00					4	100	(15)			1
2008										
CTS/					SPT 5	100	10-14-11			<b>\</b>
ROJE							(25)			
TYP					SPT		10-10-20			l
KE C					6	100	(30)			<b>│</b>
LLLA	10			1				-		
ERIA										
SERV			STIFF, light gray and reddish tan, mottled, sandy clay (CL)							
ECH										
CALT										
12-1										
8 13										
0/30/0					SPT 7	100	4-6-8			
T-1	15				<b>A</b> '		(14)			
GEOTECH BH PLOTS - GINT STD US LAB GDT - 10/30/08 13:12 - \CALTECHSERVER\ALL LAKE CITY PROJECTS\2008\06-30537-01\08-00537-01\06-00537-01\07-01			Bottom of borehole at 15.0 feet.							
JS LA										
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### CAL-TECH TESTING, INC. 3309 SW SR 247 Lake City, Florida 32024 Telephone: (386) 755-3633 Fax: (386) 752-5456

### BORING NUMBER B-6 PAGE 1 OF 1

		IT Bry	van Zecher Construction	PROJEC	TNAME	Christ	Central Mi	inistrie	s - Bu	uilding Additions
	PROJ	ECT N	UMBER _08-00537-01	PROJEC	T LOCATI	ON _	yal Avenu	e, Lak	e City	, Columbia County, Florida
-	DATE	STAR	TED 10/28/08 COMPLETED 10/28/08	GROUNE	ELEVAT	ION _		1	HOLE	SIZE
-	DRILL	ING C	ONTRACTOR Cal-Tech Testing, Inc.	GROUNE	WATER	LEVE	.S:			
-			ETHOD Split Spoon Sampling				3/1/12/23			
			N.H. CHECKED BY				NG No			
ļ	NOTE	S BK	-51 (Manual Hammer)	AF	TER DRIL	LING				,
	O DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION		SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	A SPT N VALUE A  20 40 60 80  PL MC LL  20 40 60 80  □ FINES CONTENT (%) □  20 40 60 80
Ì		711 7	Light gray, silty fine sand with organics (TOPSOIL)							1 1 1
		<i>y</i> . <i>y</i>	LOOSE to MEDIUM DENSE, gray to tan, silty fine sand	(SP-SM)	SPT 1	100	3-5-8 (13)			<b>^</b>
.GPJ					SPT 2	100	6-5-3 (8)			1
1/08-00537-01	5		MEDIUM DENSE, reddish brown and light gray, mottled, fine sand (SC)	clayey	SPT 3	100	4-7-10 (17)			
8/08-00537-0	-				SPT 4	100	9-11-11 (22)			
ROJECTS/200			VERY STIFF, light gray and reddish tan, mottled, sandy	clay (CL)	SPT 5	100	10-11-12 (23)			1
LAKE CITY PF	10				SPT 6	100	10-12-13 (25)			<b>\</b>
GEOTECH BH PLOTS - GINT STD US LAB GDT - 10/30/08 13:12 - NCALTECHSERVERIALL LAKE CITY PROJECTS/2008/08-00537-01/08-00537-01 GPJ			LOOSE, reddish brown and light gray, mottled, clayey fin (SC)	e sand	TO SECOND		=			
JT - 10/30/08	 15				SPT 7	100	2-4-4 (8)			1
AB GL		n i Charleton	Bottom of borehole at 15.0 feet.					-		
TH BH PLOTS - GINT STD US L										ii.
GEOTEC										ā.

### UNIFIED SOIL CLASSIFICATION SYSTEM ASTM DESIGNATION D-2487

$\vdash$				,	TROTTIVE DEST		2 107		
	MA	JOR DIVISIO	ONS	GROUP SYMBOL	TYPICAL NAMES	LABO	DRATORY CLASSIFIC	CATION CRITERIA	
	eve)	action is	an rels	GW	Well-graded gravels, gravel-sand mixtures, little or no fines.	ve Sieve	$C_u = \frac{D60}{D10} > 4  ,$	$I < C_c = \frac{(D30)^2}{D10 \times D60} < 3$	
100	o. 200 sie	Gravels If of the coarse fi than No. 4 sieve	Clean	GP	Poorly graded gravels, gravel-sand mixture, little or no fines.	n size cur n No. 200 llows: symbols	Not meeting all g	radation requirments of GW	
SOIL	· · · · · ·	Gravels (more than half of the coarse fraction is larger than No. 4 sieve)	Gravel with	GM	Silty gravels, gravel- sand-silt mixtures.	from grainfrom grainfred as for SW, SP, SM, SC, SM, SM, SM, SM, SM, SM, SM, SM, SM, SM	Atterberg Limits below A-Line or PI less than	Above A-Line with PI between 4 and 7 are	
GRAINED		(more that	Grave	GC	Clayey gravels, gravel-sand-clay mixtures.	nd gravel fraction st are class GW, GP GM, GC, ases requ	Atterberg Limits above A-Line or PI greater than 7	borderline cases requiring the use of dual symbols.	
552	materia	oarse 4 sieve)	Clean	sw	Well-graded sands, gravelly sands, little or no fines.	Determine percentage of sand and gravel from grain size curve Depending on percentage of fines (fraction smaller than No. 200 Sieve size), coarse grained soils are classified as follows: Less than 5% GW, GP, SW, SP More than 12% GM, GC, SM, SC 5 to 12% Borderline cases requiring dual symbols	$C_u = \frac{D_{60}}{D_{10}} > 6$ ; $1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$		
COARSE	alf of the	Sands (more than half of the coarse fraction is smaller than No. 4 sieve)	CIE	SP	Poorly graded sands, gravelly sands, little or no fines.	ercentage ercentage coarse gra Less thar More tha	Not meeting all g	radation requirments of SW	
	re than h	Sal e than hal is smaller	Sands with fine	SM	Silty sands, sand-silt mixtures.	termine pe ding on pe size), c	Atterberg Limits below A-Line or PI less than	Limits plotting in hatched zone with PI between 4 and 7 are borderline cases	
	(Mo	(mor fraction	Sands	SC Clayey sands, sand-clay mixtures.		Atterberg Limits above A-Line or PI greater than 7	requiring the use of dual symbols.		
	sieve)	ays	())	ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity.	1. I for intersecti	PLASTICITY on of PI as determined by above the A-Line indica	the Atterberg Limits tests.	
S	No. 200	Silts and Clays	ICSS UIIdII	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clay.	3. Points plotted	below the A-Line indica	te silt.	
SOIL	iner than	Silts	1	OL	Organic silts and organic silty clays of low plasticity.	(a) 70		MH Products	
GRAINED	(More than half of the material is finer than No. 200 sieve)	ays	(000 III	, MH	Inorganic silts, micaceous or diato- maceous fine sandy or silty soils, elastic silts.	Plasticity Index	CL	CHOON DISULTION	
FINE	of the m	Silts and Clays	(LL greater than 50)	СН	Inorganic clays of high plasticity, fat clay.	Plastic 40		Atline	
T	han half	Silts	, TT)	OH	Organic clays of medium to high plasticity, organic silts.	10-	CL of	MH or CH	
	(More	Highly Organic	Soils	Pt	Peat and other highly organic soils.	0 0 10 LL=-43.5 PI=-46.5	20 30 40 50 Liquid Lim	60 70 80 90 100 nit (LL)	
				I TESTING	G. INC.	5% May Pas	sing the U.S. No. 200	) Sieve SP	

### **CAL-TECH TESTING, INC.**

P.O. Box 1625

Lake City, Florida 32056-1625

Phone: 386-755-3633 Fax: 386-752-5456

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

### **KEY TO TEST DATA**

### STANDARD PENETRATION TEST:

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

### ROCK CORE DRILLING:

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

Relation of RQD an	d In-situ Rock Quality
RQD (%)	Rock Quality
90 -100	Excellent
75 - 90	Good
50 -75	Fair
25 - 50	Poor
0 - 25	Very Poor

### RELATIVE DENSITY (SANDS):

Very loose - less than 4 blows/ft.

Loose - 5 to 10 blows/ft.

Medium - 11 to 30 blows/ft.

Dense - 31 to 50 blows/ft.

Very dense - over 50 blows/ft.

### CONSISTENCY (SILTS & CLAYS):

Very soft - less than 2 blows/ft.

Soft - 3 to 4 blows/ft.

Medium stiff - 5 to 8 blows/ft.

Stiff - 9 to 15 blows/ft.

Very stiff - 16 to 30 blows/ft.

Hard - 31 to 50 blows/ft.

Very hard - over 50 blows/ft.

### HARDNESS (ROCKS):

Soft - Rock core crumbles when handled.

Medium - Can break core with hands.

Moderately hard - Thin edges of rock core can be broken with fingers.

Hard - Thin edges of core can not be broken with fingers.

Very hard - Can not be scratched with knife.

### GROUNDWATER:

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

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



### SUWANNEE RIVER WATER MANAGEMENT DISTRICT

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

### **GENERAL PERMIT**

PERMITTEE: CHRIST CENTRAL MINISTRIES 217 SW DYAL AVE. LAKE CITY, FL 32024 PERMIT NUMBER: ERP98-0381M3

DATE ISSUED: 12/08/2008 DATE EXPIRES: 12/08/2011 COUNTY: COLUMBIA

TRS: S26/T4S/R16E

MPLICAT

PROJECT: CHRIST CENTRAL MINISTRIES PONDS

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

LONNIE R. JOHNS CHRIST CENTRAL MINISTRIES 217 SW DYAL AVE. LAKE CITY, FL 32024

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

Previous permit issued for 3.20 acres of impervious surface on 8.98 acres. Modification consists of construction and operation of a surfacewater management system serving 8.98 acres of impervious surface on a total project area of 42.60 acres in a manner consistent with the application package submitted by Freeman Design Group, certified on November 20, 2008.

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.

Project: CHRIST CENTRAL MINISTRIES PONDS

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

### Standard Conditions for All General Permits:

- 1. The permittee shall perform all construction authorized in a manner so as to minimize adverse impacts to fish, wildlife, natural environmental values, and water quality. The permittee shall institute necessary measures during construction including riprap, reinforcement, or compaction of any fill materials placed around newly installed structures, to minimize erosion, turbidity, nutrient loading, and sedimentation in the receiving waters.
- 2. Water quality data representative of the water discharged from the permitted system, including, but not limited to, the parameters in chapter 62-302, F.A.C., shall be submitted to the District as required. If water quality data are required, the permittee shall provide data as required on the volume and rate of discharge including the total volume discharged during the sampling period. All water quality data shall be in accordance with and reference the specific method of analysis in "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association or "Methods for Chemical Analysis of Water and Wastes" by the U.S. Environmental Protection Agency.
- 3. The operational and maintenance phase of an environmental resource permit will not become effective until the owner or his authorized agent certifies that all facilities have been constructed in accordance with the design permitted by the District. If required by the District, such as-built certification shall be made by an engineer or surveyor. Within 30 days after the completion of construction of the system, the permittee shall notify the District that the facilities are complete. If appropriate, the permittee shall request transfer of the permit to the responsible entity approved by the District for operation and maintenance. The District may inspect the system and, as necessary, require remedial measures as a condition of transfer of the permit or release for operation and maintenance of the system.
- 4. Off-site discharges during and after construction shall be made only through the facilities authorized by the permit. Water discharged from the project shall be through structures suitable for regulating upstream stage if so required by the District. Such discharges may be subject to operating schedules established by the District.

Project: CHRIST CENTRAL MINISTRIES PONDS

Page 3 of 10

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

- 6. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance, alteration, abandonment, or development in a Works of the District which is authorized by the permit.
- 7. The permit is issued based on the information submitted by the applicant which reasonably demonstrates that adverse off-site water resource impacts will not be caused by the permitted activity. It is the responsibility of the permittee to insure that such adverse impacts do not in fact occur either during or after construction.
- 8. It is the responsibility of the permittee to obtain all other clearances, permits, or authorizations required by any unit of local, state, or federal government.
- 9. The surfacewater management system shall be constructed prior to or concurrent with the development that the system is intended to serve and the system shall be completed within 30 days of substantial completion of the development which the system is intended to serve.
- 10. Except for General Permits After Notice or permits issued to a unit of government, or unless a different schedule is specified in the permit, the system shall be inspected at least once every third year after transfer of a permit to operation and maintenance by the permittee or his agent to ascertain that the system is being operated and maintained in a manner consistent with the permit. A report of inspection is to be sent to the District within 30 days of the inspection date. If required by chapter 471, F.S., such inspection and report shall be made by an engineer.
- 11. The permittee shall allow reasonable access to District personnel or agents for the purpose of inspecting the system to insure compliance with the permit. The permittee shall allow the District, at its expense, to install equipment or devices to monitor performance of the system authorized by their permit.
- 12. The surfacewater management system shall be operated and maintained in a manner which is consistent with the conditions of the permit and chapter 40B-4.2040, F.A.C.
- 13. The permittee is responsible for the perpetual operation and maintenance of the system unless the operation and maintenance is transferred pursuant to chapter 40B-4.1130, F.A.C., or the permit is modified to authorize a new operation and maintenance entity pursuant to chapter 40B-4.1110, F.A.C.
- 14. All activities shall be implemented as set forth in the plans, specifications and performance

Project: CHRIST CENTRAL MINISTRIES PONDS

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criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.

- 15. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
- 16. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.
- 17. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site-specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
- 18. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.
- 19. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40B-1.901(14) indicating the actual start date and the expected completion date.
- 20. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an Annual Status Report Form No. 40B-1.901(15). These forms shall be submitted during June of each following year.
- 21. For those systems which will be operated or maintained by an entity requiring an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance

Project: CHRIST CENTRAL MINISTRIES PONDS

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

- 22. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.
- 23. Within 30 days after completion of construction of the permitted system, or independent portion of the system, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, using the supplied As-Built Certification Form No. 40B-1.901(16) incorporated by reference in Subsection 40B-1.901(16), F.A.C. When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submittal of the completed form shall serve to notify the District that the system is ready for inspection. The statement of completion and certification shall be based on onsite observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or review of asbuilt drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at a minimum, shall be verified on the as-built drawings:
- a. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;
- b. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including

Project: CHRIST CENTRAL MINISTRIES PONDS

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cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;

- c. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;
- d. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;
- e. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;
- f. Existing water elevation(s) and the date determined; and
- g. Elevation and location of benchmark(s) for the survey.
- 24. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the condition in paragraph 23 above, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District in accordance with Rule 40B-4.2035, F.A.C., accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the approved responsible operation and maintenance operating entity if different from the permittee. Until the permit is transferred pursuant to Rule 40B-4.1130, F.A.C., the permittee shall be liable for compliance with the terms of the permit.
- 25. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior to implementation so that a determination can be made whether a permit modification is required.
- 26. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and in this chapter and Chapter 40B-4, F.A.C.
- 27. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other

Project: CHRIST CENTRAL MINISTRIES PONDS

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lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

- 28. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under 40B-400.046, F.A.C., provides otherwise.
- 29. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 40B-4.1130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.
- 30. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District.
- 31. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

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

Approved by Multiple Date Approved 12/8/08

District Staff

Executive Director

Project: CHRIST CENTRAL MINISTRIES PONDS

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### 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.

Project: CHRIST CENTRAL MINISTRIES PONDS

Page 9 of 10

- 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:

CHRIST CENTRAL MINISTRIES 217 SW DYAL AVE. LAKE CITY, FL 32024

At 4:00 p.m. this 3 day of 0c , 2008.

Jon M. Dinges Deputy Clerk

Suwannee River Water Management District

9225 C.R. 49

Project: CHRIST CENTRAL MINISTRIES PONDS

Page 10 of 10

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

cc: File Number: ERP98-0381M3



17 December 2008

To Whom It May Concern:

Subject:

Threshold Inspection Services (TIS)

Christ Central Ministries Additions

2175 W. Dyal Road, Lake City, Columbia County, Florida

ASC Document No. 080171

Dear Sir or Madam,

ASC geosciences, inc., has been contracted by the Construction Manager, Brian Zecher Construction, to provide Threshold Inspection Services at the above mentioned project.

Enclosed you will find certifications of personnel that will perform the needed inspections.

After the job is completed, ASC geosciences will submit closeout documentation as needed.

If you have any questions, please don't hesitate in calling me.

My contact information is as follows:

386.755.1414 Office 386.755.8882 Fax 386.365.2240 Cell tbradshaw@ascworld.net Email

Sincerely,

ASC geosciences, inc.

e President

physical address:

ASC geosciences, inc. 366 SW Knox Street, Suite 103 Lake City, Florida 32025 contacts:

phone: 386.755.1414

ax: 386.755.8882

# INTERNATIONAL CODE COUNCIL

### JAYANT R PATEL

The International Gode Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Gods Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

# COMMERCIAL BUILDING INSPECTOR

given this day of October 8, 2005 5260323-B2

Certificate Number



Huy J. Blue Harry L. Green Freident, ICC Board of Drectors

James L. Witt

ICC Chief Executive Officer

Mount of A

"Chapter 471, Florida Hatutes. is licensed as a Professional

Expiration: 28-FEB-09

AUDIT NO.: 0709-024279

P.E. Number: 34087

S. I. Number: 2038

DISPLAY AS REQUIRED BY LAW

### INTERNATIONAL CODE COUNCIL JACKIE CURRY

The International Tode Transl attests that the individual named on this contiferate has ustinfactionally demonstrated burneledge as regained by the Indomedienal Ends Found by moreospally comploting the prosecrated availer examination (s) based on orders and standards then in affect, and is hereby issued this confiferation as

## BUILDING INSPECTOR

given this day of May 1, 2004

5190746-B5 Certificate Number

Grove JoonWeller

Anne R. von Weller President, ICC Board of Directors

Jano A Will

ICC Chief Executive Officer



## Auilding Cade Cangres Anternational, Inc. Southern

### Fackie Curry

having given satisfactory evidence of the necessary qualifications required by the Southern Building Code Congress International, Inc. is hereby issued this Certificate of Registration as:

## Building Anspector

2002 given this 9th day of Mar

ed. r. sag.





8614

Registration Number



### Bryan Zecher Construction, Inc.

465 NW Orange Street • Lake City, FL 32055 (386) 752-8653

Fax: (386) 758-8920

Quality Materials - Quality Homes

January 12, 2009

Joe Haltiwanger Columbia County Building Department Lake City, FL 32055

Dear Joe,

Christ Central Ministries and/or Bryan Zecher Construction, Inc. will provide the water lines necessary to supply water for the fire sprinkler system for the new and existing buildings.

Sincerely,

Bryan Zecher

President

Application # 0812-15

### P. 2

### **New Construction Subterranean Termite** Soil Treatment Record

OMB Approval No 2502-0525 (exp. 10/31/2005)

This form is completed by the licensed Pest Control Company

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for tennites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA or VA. All contracts for services are between the Pest Control Operator and builder, unless stated otherwise. Section 1: General information (Treating Company information) Company Name: Florida Pest Control & Co. Company Address: 536 SE Baya Dr City: Lake City State; FI Company Business License No. 3460 Company Phone No. 386-752-1703 FHA/VA Case No. (if any) Section 2: Builder Information Company Name Phone No. Section 3: Property Information Location of Structure (s) Treated (Street Address or Legal Description, City, State and Zip) Type of Construction (More than one box may be checked) Slab Basement Crawl Other Approximate Depth of Footing: Outside Inside Type of Fill Section 4: Treatment Information Date(s) of Treatment Brand Name of Product(s) Used Bora-Care EPA Registration No. 64405-1 Approximate Final Mix Solution % 1.0 Approximate Size of Treatment Area: Sq. ft. \_\_\_\_ Linear ft. \_\_\_ Linear ft. of Masonry Voids \_\_\_\_ Approximate Total Gallons of Solution Applied \_\_\_ Was treatment completed on exterior? Yes No Service Agreement Available? Yes No Note: Some state laws require service agreements to be issued. This form does not preempt state law. Attachments (List) \_\_\_ Comments \_\_\_ Name of Applicator(s) Certification No. (if required by State law) The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations. Authorized Signature Date Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. 18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729,3802)

Form NPCA-99-B may still be used form HUD-NPCA-99-B (04/2003)

### PRODUCT APPROVAL SPECIFICATION SHEET

Location:	Project Name:
product approval number(s) on the buildin which you are applying for a building pe	nd Florida Administrative Code 9B-72, please provide the information and the ng components listed below if they will be utilized on the construction project for ermit on or after April 1, 2004. We recommend you contact your local product approval number for any of the applicable listed products. More information

Category/Subcategory	Manufacturer	Product Description	Approval Number(s
A. EXTERIOR DOORS			
Swinging			
2. Sliding			
Sectional			
4. Roll up	NA		
5. Automatic	NIA		
6. Other			
B. WINDOWS	,		
Single hung	Capital / Ja	dan	FL 675 / FL 1378
Horizontal Slider	1 10 10		FL 685 / FL 1384
3. Casement			12000 1121301
Double Hung			
5. Fixed	CIT		FL 681 1 FL 1383
6. Awning			72601 172/383
7. Pass -through	_		
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Hardy Plans		71 000
2. Soffits	Ashley All		F2889-R1
3. EIFS	ASNUG AIL	minum	· FL 4968
4. Storefronts			
5. Curtain walls			
6. Wall louver	_		
7. Glass block			
8. Membrane	AFT (54.0)		
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
Asphalt Shingles	FIK/ Certa	2/2/	
Underlayments	Fe It	inteed	FL 728-RI/FL 250 X
Roofing Fasteners			FL 1814
Non-structural Metal Rf	Nails		ROM 3378
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys	=		
8. Roofing Tiles		4	
Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate	—		

### COLUMBIA COUNTY BUILDING DEPARTMENT

### COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 WITH 2005 & 2006 Supplements

### ALL REQUIREMENTS LISTED ARE SUBJECT TO CHANGE

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

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

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

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

### **GENERAL REQUIREMENTS:**

All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void. 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.

2	Two (2) comple	te sets of plans containing the following information:
Buildin		
11/	Site requirement	IS:
	. 0	Parking
	. 0	Fire access
	Ö	Vehicle loading
	O	Driving/turning radius
	Q.	Fire hydrant/water supply/post indicator valve (PIV)
	Ó	Set back/separation (assumed property lines)
	Ŏ.	Location of specific tanks, water lines and sewer lines
	O	All exterior elevations views
	O.	Total height of structure form established grade
<i>y</i>		of permitted construction by code for occupancy use.  Instruction requirements shall be shown, include the following components:
1	rire-resistant co	Fire-resistant separations
	- 3	Fire-resistant protection for type of construction
	9	Protection of openings and penetrations of rated walls
	-0	Fire blocking and draftstopping and calculated fire resistance
	/	The blocking and dranstopping and calculated the resistance
5/	Fire suppression	systems shall be shown include:
	<b>-</b> 0 - 0	Early warning smoke evacuation systems Schematic fire sprinklers
	760	Standpipes
	Ç.	Pre-engineered systems
	9	Riser diagram

### Life safety systems shall be shown include the following requirements: Occupant load and egress capacities Early warning Smoke control Stair pressurization Systems schematic Occupancy load/egress requirements shall be shown include: Occupancy load

- o Gross
- o Net
- Means of egress
- Exit access
- o Exit
- Exit discharge
- Stairs construction/geometry and protection
- Doors
- o Emergency lighting and exit signs
- Specific occupancy requirements
- Construction requirements
- Horizontal exits/exit passageways

### Structural requirements shall be shown include:

- Soil conditions/analysis
- o Termite protection
- o Design loads
- o Wind requirements
- o Building envelope
- o Structural calculations (if required)
- Foundation
- Wall systems
- o Floor systems
- Roof systems
- Threshold inspection plan
- Stair systems

### Materials shall be shown include the following:

- o Wood
- o Steel
- o Aluminum
- o Concrete
- o Plastic
- Glass
- Masonry
- Gypsum board and plaster
- Insulating (mechanical)
- o Roofing
- Insulation

### Accessibility requirements shall be shown include the following:

- Site requirements
- Accessible route
- Vertical accessibility
- o Toilet and bathing facilities
- Drinking fountains
- Equipment
- Special occupancy requirements

### Fair housing requirements 1. Interior requirements shall include the following: Interior finishes (flame spread/smoke development) Light and ventilation Sanitation Special systems: Elevators Escalators Lifts 13. Swimming pools: Barrier requirements Spas Wading pools Electrical: Wiring 0 Services Feeders and branch circuits Overcurrent protection Grounding 0 Wiring methods and materials 0 **GFCIs** 0 Equipment 0 Special occupancies Emergency systems 0 Communication systems Low voltage Load calculations Plumbing Minimum plumbing facilities Fixture requirements Water supply piping Sanitary drainage Water heaters Vents Roof drainage O Back flow prevention Irrigation Location of water supply line Grease traps Environmental requirements Plumbing riser

. Mechanical

- Energy calculations
- Exhaust systems:
  - Clothes dryer exhaust
  - Kitchen equipment exhaust
  - Specialty exhaust systems
- Equipment:
- Equipment location:
  - Make-up air
  - Roof-mounted equipment
  - Duct systems

- Ventilation
- Combustion air 0
- Chimneys, fireplaces and vents 0
- Appliances
- Boilers
- Refrigeration 0
- Bathroom ventilation
- Laboratory
- Gas piping
- Venting 0
- Combustion air
- Chimneys and vents
- 0 Appliances
- Type of gas
- Fireplaces 0
- LP tank location 0
- Riser diagram/shutoffs
- **Notice Of Commencement:**

A Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done

- Disclosure Statement for Owner Builders
- Private Potable Water:
  - Size of pump motor Size of pressure tank

  - Cycle stop valve if used

### THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS:

- 1.Building Permit Application: A current Building Permit Application form is to be completed and submitted for all construction projects.
- o 2. Parcel Number: The parcel number (Tax ID number) from the Property Appraiser is required.
  - A copy of property deed is also requested. (386) 758-1084
- o 3. Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic tank approval or sewer tap is required (386)758-1058
- **4.City Approval:** If the project is located within the city limits of the Town of Fort White prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit.

- 5. Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of section 8.8 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) has not been established shall meet the requirements of section 8.7 of the Columbia County Land Development Regulations. CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.
  - A development permit will also be required. The development permit cost is \$10.00
- 6. <u>Driveway Connection</u>: If the property does not have an existing access to a public road, then an application for a culvert permit must be made (\$5.00). Culvert installation for commercial, industrial and other uses shall conform to the approved site plan or to the specifications of a registered engineer. Joint use culverts will comply with Florida Department of Transportation specifications. If the project is to be located on a F.D.O.T. maintained road, then an F.D.O.T. access permit is required.
- 7. Suwannee River Water Management District Approval: All commercial projects
  must have an SRWMD permit issued or an exemption letter, before a building will be
  issued.

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

### "Value Engineered Fire Protection Design for the Construction Industry"

Date:

January 14, 2009

Subject:

Florida Administrative Code No. 61G15-32.003 (1) (2) (5) Florida Administrative Code No. 61G15-32.004 (2) (a-j)

Project:

Christ Central Ministries - One Story Building

217 SW Dyal Avenue Lake City, Florida, 32024

As the fire sprinkler system Engineer-of-Record for the above referenced project, I advise the following specifications be fully and accurately followed for the design of the fire sprinkler system.

### 61G15-32.003 (1) (2) (5):

### (1) Scope of Work:

This is newly proposed one story building attached to and adjacent to a newly proposed church building. The buildings will be separated by a 4-hour rated assembly. A new automatic, wet-pipe fire sprinkler system will be designed and installed by a Florida licensed fire sprinkler contractor in accordance with all applicable codes and standards identified in this document.

### (2) Acceptance test criteria:

The acceptance testing of the underground and above ground wet-pipe fire sprinkler system and all related components shall consist of all applicable items shown on forms: NFPA 13, 2002 Edition, Chapter 16, Figure 16.1, Contractor's Material and Test Certificate for Aboveground Piping, and NFPA 13, 2002 Edition, Chapter 10, Figure 10.10.1, Contractor's Material and Test Certificate for Underground Piping. NFPA 13, 2002 "Installation of Sprinkler Systems" and NFPA 24, "Installation of Private Fire Service Mains and Their Appurtenances" requirements are applicable in their entirety relating to design, installation, and acceptance testing criteria.

### (5) Structural support and structural openings:

The structural support system for this building has been designed by a State of Florida Licensed Structural Engineer in accordance with the Florida Administrative Code. The Structural Engineering Requirements shall allow for a 4 lb./sq. ft. dead load for Fire Sprinkler Piping support. Please refer to the approved project structural drawings for live and dead loading information. Based upon the project engineering documents, there are no significant structural openings required for the fire sprinkler system installation.

### 61G15-32.004 (2):

### (a) Point of Service:

The point of service for the new automatic wet pipe fire sprinkler system will be at the new 6"x6"x4" hot tap which serves as the lead in for the fire sprinkler water supply. A new 4" check valve, PIV, and 4" FDC will be located on the new 4" underground water main. A new 8" RZP will be located on the incoming 8" fire line to the site. Please refer to the approved project civil drawings for additional information regarding underground and site utility information.

### (b) Applicable NFPA standard to be applied:

NFPA 13, 2002 Edition, "Installation of Sprinkler Systems" NFPA 24, 2002 Edition, "Installation of Private Fire Service Mains and Their Appurtenances"

### (c) Classification of hazard occupancy for each room or area:

Light Hazard: General gathering, classrooms and meeting area.

Ordinary Hazard-Group I: Any designated mechanical/electrical rooms and kitchen

### Design approach:

Light Hazard: Fire protection shall be provided by a wet-pipe automatic sprinkler system using steel supply piping and sprinklers to protect all areas indicated as Light Hazard above. Sprinklers are to be 5.6K, or 8.0K, 155 degree F, ½" or ¾" orifice sprinklers. Density requirements shall provide a minimum of .10 gpm/sq, ft. with a maximum spacing of 225 sq. ft. A Light Hazard hose allowance shall be added to the sprinkler demand for fire fighting purposes. An area reduction may be used for those areas with finish ceiling heights that meet the requirements of NFPA 13, 2002 Edition.

Ordinary Hazard, Group I: Fire protection shall be provided by a wet-pipe automatic sprinkler system using steel supply piping and sprinklers to protect all areas indicated as Ordinary Hazard-Group I above. Sprinklers are to be 5.6K, or 8.0K, 155 degree F, ½" or ¾" orifice sprinklers. Density requirements shall provide a minimum of .15 gpm/sq. ft. with a maximum spacing of 130 sq. ft. An Ordinary Hazard Group I hose allowance shall be added to the sprinkler demand for fire fighting purposes. An area reduction may be used for those areas with finish ceiling heights that meet the requirements of NFPA 13, 2002 Edition.

### (e) Characteristics of the water supply to be used:

The underground city water main is existing and circulating. The duration has been determined to be adequate based upon the system demand and duration requirements of NFPA for this type of occupancy.

### (f) Flow test data:

A hydrant flow test was conducted by the Lake City Regional Utilities Dept. on November 18, 2008. The flow test data to be used as the basis of design (i.e. available water supply) shall be as follows: 110 PSI static, 105 PSI residual, at a flow of 1500 GPM.

### (g) Valve and alarm requirements to minimize potential for impairments and unrecognized flow of water:

The fire sprinkler riser shall have each have a water flow switch with a local audible alarm and remote station monitoring. The backflow prevention device's shutoff valves shall have a valve tamper switch with remote station monitoring.

### (h) Microbial Induced Corrosion (MIC):

All areas of the potable system including transmission and delivery sub-systems contain chlorine to control/prevent bacterial contamination in accordance with all state and federal drinking water standards. Consequently, the possibility of MIC is very low.

### (i) Backflow prevention and metering specifications:

The backflow prevention device assembly and the metering equipment shall meet the requirements of the local authority having jurisdiction. The back flow prevention device is to have a maximum allowable pressure drop of 14 psi @ 7.5 fps

All yard and interior fire protection equipment shall be UL or FM listed.

Sincerely

Thomas J. Lepore, P.E.

FL License #: 43086

1660 Trade Center Way-Suite #1

Naples, FL 34109

Phone: 239.598.5277



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

26 February 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Reports for the above-referenced project. This covers the inspections made during the period from 11 February 2009 to 12 February 2009 (Field Reports Nos.: TI-1 and TI-2). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Javantilal R. Patel, P.E.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

18 March 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made during on 6 March 2009 (Field Report No. TI-6). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Jayantilal R. Patel, P.E.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

P.E 3/18/09

www.ascworld.net

### THRESHOLD INSPECTION ACTION ITEM SUMMARY

18 March 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	
				7
-				
				77
	-			



### THRESHOLD REPORT

	PROJECT	INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions		DATE:	6-Mar-09
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-6
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
reinforcing steel/formwork structural steel bolted connections roof trusses/straps grout/concrete placement  TYPE OF ELEMENT: footings ground slab column base plates  INSPECTION LOCATION  Inspected formwork & reinforcing stee  Footing and ground slab at row A from Footing and ground slab at row I from I  Work is not complete.	pile reinforcing pile caps/grade beams elevated slab  I installation in ground slab and foo	oncrete slab ad nailing pattern  walls beams column	structural steel v shoring/reshoring reinforced concrete n other	9 ete masonry
RESULTS OF INSPECTION:	above elements in general accorda			4Y
VARIANCES TO CONTRACT DRAWINGS	elements described below not in co	omphance with project requi	rements, reinspection requ Freeman Design Group	
	<b>A</b>		Trovilar vesigii di dap	

Javantilal Patel, P.E., Florida Registration No. 34087, Special Inspector No. 2038



### COMPRESSIVE STRENGTH REPORT

ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

**PROJECT INFORMATION** 

PROJECT: Central Christ Ministries Additions

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

CONTRACTOR: Parrish Concrete

DATE:

12-Mar-09

PROJECT NO:

**TECHNICIAN:** 

09G1003

LAB NO:

4 Daryn Wimpy

**SPECIMEN INFORMATION** 

**WEATHER CONDITIONS:** 

dark

DATE MOLDED:

SUPPLIER:

12-Feb-09

Columbia Ready Mix

SPECIMEN TYPE:

cylinders

DATE RECEIVED:

DIMENSIONS:

4 x 8

REPRESENTATIVE LOCATION:

Column pad H-4 & slab on grade, from column line I-4 to column line F-4, 20' west.

CONCRETE TEMPERATURE .:

62

# OF SPECIMENS MOLDED:

5

ATMOSPHERE TEMPERATURE:

60 °F SET #:

1

AIR CONTENT:

**QUANTITY REP:** 

10.00 yds

(5) OTHER

SLUMP:

6.5 in.

TIME BATCHED:

4:56 AM

WATER ADDED:

12 gal(s).

TIME MOLDED:

5:40 AM

WATER AUTHORIZED BY:

Wayne w/Columbia Ready Mix

°F

**CONCRETE TRUCK #:** 

62

STRENGTH REQUIREMENT:

3,000 psi @ 28 days

**CONCRETE TICKET #:** 

89188

DESIGN MIX #:

3F

ADD MIX:

### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods:

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	120022000	AL DIM (in.)		AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene	CAPPING TYPE
		10.5.1.00	( dia	X	10112502					
А	1	19-Feb-09	4.00	Х	8.00	12.57	32,950	2,620	N/A	neoprene
В	7	19-Feb-09	4.00	X	8.00	12.57	30,610	2,440	N/A	neoprene
C	28	12-Mar-09	4.01	X	8.00	12.63	44,780	3,550	N/A	neoprene
D	28	12-Mar-09	4.00	x	8.00	12.57	43,020	3,420	N/A	neoprene
*							×	* indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:								FDAC TVDF.	applicable w/ neoprene capping)  N/A  N/A  N/A  N/A  N/A  P/E:	(1) CONE
			F;	(in.) x height)		(2) CONE SHEAR				
COPIES TO:	Bryan Zecher/Bryan Zeche	er Construction								(3) SHEAR
	Harry Dicks/Columbia Cou	nty Building Department								(4) SPLIT

Bill Freeman/Freeman Design Group

yantilal R. Patel, P.E., Florida Registration No. 34087



### COMPRESSIVE STRENGTH REPORT

ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

**PROJECT INFORMATION** 

PROJECT: Central Christ Ministries Additions

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

CONTRACTOR: Parrish Concrete

DATE:

12-Mar-09

PROJECT NO:

09G1003

LAB NO:

4

**TECHNICIAN:** 

**Daryn Wimpy** 

SPECIMEN INFORMATION

SUPPLIER:

Columbia Ready Mix

WEATHER CONDITIONS:

dark

DATE MOLDED:

12-Feb-09

SPECIMEN TYPE:

cylinders

DATE RECEIVED:

.....

DIMENSIONS:

4 x 8

yds

(5) OTHER

Slab on grade, from column line A-3 to column line H-3, 15' east.

CONCRETE TEMPERATURE .:

REPRESENTATIVE LOCATION:

60

# OF SPECIMENS MOLDED:

5

ATMOSPHERE TEMPERATURE:

59

SET #:

2

AIR CONTENT:

9 °F

°F

QUANTITY REP:

10.00

AIN CONTENT

7.00 in

TIME BATCHED:

5.24 AM

SLUMP:

) in. gal(s).

TIME MOLDED:

5:24 AM

WATER ADDED:

CONCRETE TRUCK #:

6:15 AM

WATER AUTHORIZED BY: STRENGTH REQUIREMENT:

3,000

psi @ 28 days

CONCRETE TICKET #:

64 89192

**DESIGN MIX #:** 

Bill Freeman/Freeman Design Group

3F

ADD MIX:

### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods:

SPECIMEN NO.	TEST AT DAYS	DATE TESTED		AL DIM (in.)		AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	applicable w/ neoprene capping)  N/A  N/A  N/A  N/A  N/A  cimen did not meet str	CAPPING TYPE
		40.51.00	( dia	X	height)			0.8	200	
ΑΑ	1	19-Feb-U9	4.00	X	8.00	12.57	30,120	2,400	N/A	neoprene
В	7	19-Feb-09	4.00	X	8.00	12.57	31,980	2,540	N/A	neoprene
C	28	12-Mar-09	4.00	X	8.00	12.57	45,810	3,640	N/A	neoprene
D	28	12-Mar-09	4.00	X	8.00	12.57	47,200	3,750	N/A	neoprene
								* indicates specime	en did not meet str	ength requirement
REMARKS/NOTES:								EDAC TVDE.		(1) CONE
		AT DAYS  DATE TESTED    (dia		(2) CONE SHEAR						
COPIES TO:	Bryan Zecher/Bryan Zeche	er Construction								(3) SHEAR
	Harry Dicks/Columbia Cou	nty Building Department								(4) SPLIT
					A			1		

Tetel 3/16/09

avantilal R. Patel, P.E., Florida Registration No. 34087



### COMPRESSIVE STRENGTH REPORT

ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

DDU	IECT	INICO	DAM	ATION
rnu	OLUI	INTU	DIAIN	4 I IUN

PROJECT: Central Christ Ministries Additions

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

CONTRACTOR: Parrish Concrete

DATE:

12-Mar-09

PROJECT NO:

09G1003

LAB NO:

4

TECHNICIAN:

Daryn Wimpy

### **SPECIMEN INFORMATION**

SUPPLIER:

Columbia Ready Mix

**WEATHER CONDITIONS:** 

dark

DATE MOLDED:

12-Feb-09

SPECIMEN TYPE:

cylinders

DATE RECEIVED:

**DIMENSIONS:** 

4 x 8

Slab on grade, from column line I-2 to column line B-2, 15' east.

**CONCRETE TEMPERATURE.:** 

REPRESENTATIVE LOCATION:

61

# OF SPECIMENS MOLDED:

5 3

ATMOSPHERE TEMPERATURE:

SET #:

(5) OTHER

AIR CONTENT:

58

°F

°F

QUANTITY REP:

10.00 yds

SLUMP:

6.75

in.

TIME BATCHED:

WATER ADDED:

TIME MOLDED:

6:25 AM

WATER AUTHORIZED BY:

gal(s).

**CONCRETE TRUCK #:** 

7:00 AM

STRENGTH REQUIREMENT:

3,000

psi @ 28 days

**CONCRETE TICKET #:** 

33 89197

**DESIGN MIX #:** 

3F

ADD MIX:

### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods:

SPECIMEN NO.	TEST AT DAYS	DATE TESTED		(in.)	ENSION	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
Α	7	19-Feb-09	( dia 4.00	x	height) 8.00	12.57	30,530	2,430		
	<u>_</u>		207-2				110000000000000000000000000000000000000		N/A	neoprene
В	1	19-Feb-09	4.00	X	8.00	12.57	28,960	2,300	N/A	neoprene
С	28	12-Mar-09	4.00	x	8.00	12.57	47,190	3,750	N/A	neoprene
D	28	12-Mar-09	4.00	X	8.00	12.57	45,630	3,630	N/A	neoprene
	-							* indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:					FRAC TYPE: (1) CONE		(1) CONE			
					FRAGITE:		(2) CONE SHEAR			
COPIES TO:	Bryan Zecher/Bryan Zecher	Construction					d-0.			(3) SHEAR
	Harry Dicks/Coulmbia Coun	ty Building Department								(4) SPLIT

Bill Freeman/Freeman Design Group

### PRFI IMINARY THRESHOLD REPORT



NOTE: THIS REPORT IS PRELIMINARY UNTIL REVIEWED BY THIS SPECIAL INSPECTOR OF RECORD

PROJECT NAME: 0 G 100	DATE 2 11 - DS						
CEVOL	2-11-09 PROJECT NO.: 09-61-9-01						
PROJECT LOCATION: tale City II	LAB NO.: CT						
INSPECTOR I PROSPECTOR REPRESENTATIVE: J. Curry	LAB NO.: TI-1						
PROJECT LOCATION: Lake City FL  INSPECTOR IMSPECTOR REPRESENTATIVE: J. Curry  CHERT: B. Zecker	Weather.						
INSPECTION OF:	1						
	structural steel welds						
□ structural steel bolted connections □ post-tensioned concrete slab □ shoring	/reshoring						
□ roof trusses/straps □ roof sheathing and nailing pattern □ concrete placement							
□ structural renovation/repair □ other							
TYPE OF ELEMENT:	9						
	□ columns						
	🗆 reinforced concrete masonry walls						
□ other							
	20-1						
INSPECTION LOCATION: Bldg Addition Foundation From Row A to I & Line	1404						
From Low 162 & Line							
RESULTS OF INSPECTION: all above elements in general accordance with project requirements							
work not complete elements described below not in compliance with project requirements, reinspection required							
VARIANCES TO CONTRACT DRAWINGS / SPECIFICATIONS:							
THIS REPORT WAS REVIEWED BY THE CONTRACTOR'S REPRESENTATIVE:							
NAME SIGNATURE	DATE						

\$ 27596



## FIELD DENSITY REPORT

ASC Lakeland: 20 Lake Wire Drive, Suite 200, Lakeland, Florida 33815

Page

1 of 1

PROJECT INFORMATION

CLIENT:

**Christ Central Ministries Additions** PROJECT:

Lake City, Columbia County, Florida LOCATION:

DRAFT Bryan Zecher Construction, Inc.

**PROJECT NO:** 

10 February 2009

DATE:

09G1003

LAB NO:

ONTRACTOR				TECHNICIAN:	D.	Wimpy	, e
LD DENSIT	Y INFORMATION				TEST DATE:	2-Feb-0	9
TEST NUMBER	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY	LAB Proctor Density	COMPACT	ION PERCEN	1
		(%)	(lb/ft <sup>3</sup> )	(lb/ft <sup>3</sup> )	ATTAINED	REQUIRED	-
2002	Building Pad Footing	40.5	05.7	400.0	00	00	
1*	From Column Line I-1, 15' East (BOF)	13.5	95.7	108.8	88	98	
2*	From Column Line A-3, 5' West (BOF)	7.8	98.7	108.8	91	98	
3*	From Column Line I-4, 25' South (BOF)	11.9	99.5	108.8	91	98	
4*	From Column Line D-1, 8' North (BOF)	8.3	96.9	108.8	89	98	
	Building Column Pads		11				
5*	At Column Pad I-2, (BOF)	32.4	85.8	108.8	79	98	
6	At Column Pad I-3 (BOF)	15.3	103.2	108.8	95	98	
7*	At Column Pad I-4 (BOF)	9.4	101.1	108.8	93	98	
8	At Column Pad H-4 (BOF)	11.0	103.7	108.8	95	98	
9	At Column Pad F-4 (BOF)	8.9	104.2	108.8	96	98	

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

### LAB INFORMATION

				LAB TEST	METHOD	
PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Brown poorly graded sand w/silt (SP-SM)	12.5	108.8	. (3)	✓	6.1
				68		

Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. \* - Failed Test.

4. BOF - Bottom of Footing.



ASC Lakeland: 20 Lake Wire Drive, Suite 200, Lakeland, Florida 33815

Page

1 of 1

**PROJECT INFORMATION** 

LAB INFORMATION

**Christ Central Ministries Additions** PROJECT:

Lake City, Columbia County, Florida LOCATION:

CLIENT:

Bryan Zecher Construction, Inc.

DATE:

10 February 2009

PROJECT NO:

09G1003

LAB NO:

2

DITRACTOR:	Larry Pierce INFORMATION			TECHNICIAN:		Curry
TO VERY MATERIAL					TEST DATE:	3-Feb-09
TEST Number	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY	LAB PROCTOR DENSITY		ION PERCENT
		(%)	(lb/ft <sup>3</sup> )	(lb/ft <sup>3</sup> )	ATTAINED	REQUIRED
	Building Addition, Column Pads					
10	At Column Pad H-1 (BOF)	13.6	102.9	108.8	95	95
11	At Column Pad I-1 (BOF)	9.3	103.4	108.8	95	95 -
7A	At Column Pad I-4 (BOF)	10.1	104.1	108.8	96	95
12	At Column Pad H-4 (BOF)	10.7	103.8	108.8	95	95
13	At Column Pad C-4 (BOF)	11.0	105.2	108.8	97	95
14	At Column Pad A-4 (BOF)	11.4	104.6	108.8	96	95

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

				LAB TEST	METHOD	
PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	омс %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Brown poorly graded sand w/silt (SP-SM)	12.5	108.8		√	6.1

· Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. BOF - Bottom of Footing.

4. A - Retest, passed.



ASC Lakeland: 20 Lake Wire Drive, Suite 200, Lakeland, Florida 33815

Page

1 of 2

PROJECT INFORMATION

PROJECT: **Christ Central Ministries Additions** 

LOCATION:

Lake City, Columbia County, Florida

Bryan Zecher Construction, Inc. CLIENT:

DRAFT

DATE:

10 February 2009

PROJECT NO:

09G1003

LAB NO:

3

CONTRACTO FIELD DENSIT	OR: Larry Pierce TY INFORMATION			TECHNICIAN:	J.	Curry	銀液
					TEST DATE:	5-Feb-0	9
TEST Number	TEST LOCATION	FIELD Moisture	IN-PLACE DRY DENSITY	LAB Proctor Density	COMPACT	ION PERCEN	Т
	<u></u>	(%)	(lb/ft <sup>3</sup> )	(lb/ft³)	ATTAINED	REQUIRED	
	Building Addition Column Pads (Perimeter)						
15	At Column Pad A-1 (BOF)	8.3	103.0	108.8	95	95	
16	At Column Pad B-1 (BOF)	8.3	104.6	108.8	96	95	
17	At Column Pad D-1 (BOF)	8.4	105.1	108.8	97	95	
18	At Column Pad F-1 (BOF)	8.4	103.1	108.8	95	95	
5A	At Column Pad I-2 (BOF)	9.9	102.9	108.8	95	95	(4)
*	Building Addition Perimeter Footers					9	
1A	From Column Line I-1, 15' East (BOF)	6.0	105.4	108.8	97	95	(4)
2A	From Column Line I-4, 25' South (BOF)	5.2	106.8	108.8	98	95	(4)
3A	From Column Line A-3, 5' West (BOF)	8.9	104.5	108.8	96	95	(4)
4A	From Column Line D-1, 5' North (BOF)	9.4	103.9	108.8	96	95	(4)

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

#### LAB INFORMATION

				LAB TEST	METHOD	V.
PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Brown poorly graded sand w/silt (SP-SM)	12.5	108.8		√	6.1
2						

Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. BOF - Bottom of Footing.

4. A - Retest, Passed.



ASC Lakeland: 20 Lake Wire Drive, Suite 200, Lakeland, Florida 33815

Page

2 of 2

PROJECT INFORMATION

PROJECT: **Christ Central Ministries Additions** 

LOCATION:

Lake City, Columbia County, Florida

Bryan Zecher Construction, Inc. CLIENT:

DATE:

10 February 2009

PROJECT NO:

09G1003

LAB NO:

3

CONTRACTOR	R: Larry Pierce Y INFORMATION			TECHNICIAN:	J.	Curry
					TEST DATE:	5-Feb-09
TEST Number	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY	LAB Proctor Density	COMPACT	ION PERCENT
*		(%)	(lb/ft³)	(lb/ft³)	ATTAINED	REQUIRED
	Building Pad					
19	From Column Line A-1, 20' East x 20' North (SOG)	5.6	106.4	108.8	98	95
20	From Column Line A-4, 15' West x 10' North (SOG)	8.2	107.1	108.8	98	95
21	From Column Line I-1, 30' South x 20' East (SOG)	8.0	108.1	108.8	99	95
22	From Column Line I-4, 25' South x 15' West (SOG)	5.9	107.0	108.8	98	95
	e n					in a
	4					
	_		-			
	) i					

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

#### LAB INFORMATION

CRIPTION	ОМС	LAB MAX. DENSITY	STD.	MOD.	PASSING #200
cation System)	%	(lb/ft <sup>3</sup> )	D698/ T 99	D1557/ T 180	SIEVE (%)
and w/silt (SP-SM)	12.5	108.8	F 1	√	6.1
	cation System) and w/silt (SP-SM)	oution byotomy	Carlott Dyutomy (1871)	dation dystomy (institute	(ISITE)

Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. SOG - Slab on Grade.





PROJECT NAME CCM	PROJECT NO.	098/80/
PROJECT ADDRESS LAKE CITY FL	LAB NO.	TI.4
PROJECT BLOG MILOT #	DATE TO BE PERF.	2.26.09
PROJECT LOCATION (City)	TIME TO BE PERF.	2:08 PM
CLIENT B. Zeckar	DAY OF THE WEEK PERF.	Thur
TO BE PERFORMED:	URDEREDWY	
ION OF TESTS: (i.e., stab, tie beam, 2nd elevated pieck or footings, 1st lift, final grad	e, etu.)	

DAILY REPORT (provided for informational purposes only; not reviewed by an engineer	
Scope: Inspect 30' 5/16 replacement	west at
Ref: Plans ; Specifications spoot 8-3	
Acrests: All OK,	
NOTES OR REMARKS:	

NO. OF DENSITIES	Α					
BETS OF CONCRETE	c	SET(S)	Cyl.	Cubes	Prisma	(Circle Gee)
ND. SLUMPS		NO	ADDT'L S	UMPS_		
ND. STUC <b>CO</b>	SI					
PROCTOR	В			stan dard	medified	(Circle One)
LBR	L					
STAND-8Y TIME/PURPOS	E					
AUTHORIZED BY						
INSPECTION Hype and location)		18000				

TIME ALLOCATIO	V
LEAVE LAB	
ARRIVE SITE	
LEAVE SITE	
ARRIVE LAB	
TRAVEL TIME	
SITE TIME	
TOTAL TIME 3.	0
DATE URDERED	
ORDERED BY	•
ORDER TAKEN BY	
DATE PLEE	
PERSON ASSIGNED	

# 27596



## FIELD DENSITY REPORT

ASC Lakeland: 20 Lake Wire Drive, Suite 200, Lakeland, Florida 33815

Page

1 of 1

PROJECT INFORMATION

PROJECT: Christ Central Ministries Additions

DATE:

10 February 2009

LOCATION: Lake (

Lake City, Columbia County, Florida

**PROJECT NO:** 

09G1003

CLIENT:

Bryan Zecher Construction, Inc.

LAB NO:

1

CONTRACTOR:

Bryan Zacher Construction Inc.

TECHNICIAN.

D. Wimpy

CONTRACTO	NTRACTOR: Bryan Zecher Construction, Inc.		TECHNICIAN:	D. Wimpy			
IELD DENSIT	Y INFORMATION						
					TEST DATE:	2-Feb-0	9
TEST Number	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY (Ib/ft³)	LAB PROCTOR DENSITY	COMPACT	TON PERCEN	
	Building Pad Footing	(%)	(ID/IT )	(lb/ft <sup>3</sup> )	ATTAINED	NEUVINED	_
1*	From Column Line I-1, 15' East (BOF)	13.5	95.7	108.8	88	95	C
2*	From Column Line A-3, 5' West (BOF)	7.8	98.7	108.8	91	95	0
3*	From Column Line I-4, 25' South (BOF)	11.9	99.5	108.8	91	95	(3
4*	From Column Line D-1, 8' North (BOF)	8.3	96.9	108.8	89	95	(3
	Building Column Pads		,				
5*	At Column Pad I-2, (BOF)	32.4	85.8	108.8	79	95	(3
6	At Column Pad I-3 (BOF)	15.3	103.2	108.8	95	95	
7*	At Column Pad I-4 (BOF)	9.4	101.1	108.8	93	95	(3
8	At Column Pad H-4 (BOF)	11.0	103.7	108.8	95	95	
9	At Column Pad F-4 (BOF)	8.9	104.2	108.8	96	95	

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

#### LAB INFORMATION

				LAB TEST	METHOD	
PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Brown poorly graded sand w/silt (SP-SM)	12.5	108.8		√	6.1

Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. \* = Failed Test.

4. BOF - Bottom of Footing.

Jayantilal R. Patel, P.E., Florida Registration No. 34087



ASC Lakeland: 20 Lake Wire Drive, Suite 200, Lakeland, Florida 33815

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PROJECT INFORMATION

**Christ Central Ministries Additions** PROJECT:

DATE:

10 February 2009

Lake City, Columbia County, Florida LOCATION:

**PROJECT NO:** 

09G1003

Bryan Zecher Construction, Inc. CLIENT:

LAB NO:

2

CONTRACTOR	R: Larry Pierce Y INFORMATION			TECHNICIAN:	J.	Curry
			Section 18		TEST DATE:	3-Feb-09
TEST Number	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY	LAB Proctor Density	COMPACT	ION PERCENT
		(%)	(lb/ft³)	(lb/ft³)	ATTAINED	REQUIRED
34 T	Building Addition, Column Pads					
10	At Column Pad H-1 (BOF)	13.6	102.9	108.8	95	95
11	At Column Pad I-1 (BOF)	9.3	103.4	108.8	95	95
7A	At Column Pad I-4 (BOF)	10.1	104.1	108.8	96	95 (4
12	At Column Pad H-4 (BOF)	10.7	103.8	108.8	95	95
13	At Column Pad C-4 (BOF)	11.0	105.2	108.8	97	95
14	At Column Pad A-4 (BOF)	11.4	104.6	108.8	96	95
						9
			-			
			2 9			

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

### LAB INFORMATION

LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
108.8		<b>V</b>	6.1
	108.8	108.8	108.8 ✓

· Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. BOF - Bottom of Footing.

4. A - Retest, passed.

Jayantilal R. Patel, P.E., Florida Registration No. 34087



ASC Lakeland: 20 Lake Wire Drive, Suite 200, Lakeland, Florida 33815

Page

1 of 2

PROJECT INFORMATION

PROJECT: **Christ Central Ministries Additions** 

DATE:

10 February 2009

LOCATION:

Lake City, Columbia County, Florida

PROJECT NO:

09G1003

CLIENT:

LAB NO:

3

Bryan Zecher Construction, Inc.

TECHNICIAN:

J. Curry

Larry Pierce CONTRACTOR:

					TEST DATE:	5-Feb-0	9
TEST Number	TEST Location	FIELD MOISTURE (%)	IN-PLACE DRY DENSITY (Ib/ft <sup>3</sup> )	LAB PROCTOR DENSITY (lb/ft³)	COMPACT	ION PERCEN	
4 1	Building Addition Column Pads (Perimeter)	(70)	(ibjit )	(ib)ic)	ATTAINED	neuvineu	
15	At Column Pad A-1 (BOF)	8.3	103.0	108.8	95	95	
16	At Column Pad B-1 (BOF)	8.3	104.6	108.8	96	95	
17	At Column Pad D-1 (BOF)	8.4	105.1	108.8	97	95	
18	At Column Pad F-1 (BOF)	8.4	103.1	108.8	95	95	
5A	At Column Pad I-2 (BOF)	9.9	102.9	108.8	95	95	
6	Building Addition Perimeter Footers						
1A	From Column Line I-1, 15' East (BOF)	6.0	105.4	108.8	97	95	
2A	From Column Line I-4, 25' South (BOF)	5.2	106.8	108.8	98	95	
3 <b>A</b>	From Column Line A-3, 5' West (BOF)	8.9	104.5	108.8	96	95	
4A	From Column Line D-1, 5' North (BOF)	9.4	103.9	108.8	96	95	

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

#### LAB INFORMATION

	- L			LAB TEST	METHOD	
PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	омс %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Brown poorly graded sand w/silt (SP-SM)	12.5	108.8		√	6.1
*						

Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. BOF - Bottom of Footing.

4. A = Retest, Passed.

gtilal R. Patel, P.E., Florida Registration No. 34087



ASC Lakeland: 20 Lake Wire Drive, Suite 200, Lakeland, Florida 33815

Page

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PROJECT INFORMATION

PROJECT: **Christ Central Ministries Additions** 

DATE:

10 February 2009

LOCATION: Lake City, Columbia County, Florida

PROJECT NO:

09G1003

CLIENT:

3

Bryan Zecher Construction, Inc. CONTRACTOR: Larry Pierce

LAB NO:

TECHNICIAN:

J. Curry

					TEST DATE:	5-Feb-09
TEST Number	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY	LAB Proctor Density	COMPACT	ION PERCENT
		(%)	(lb/ft <sup>3</sup> )	(lb/ft³)	ATTAINED	REQUIRED
	Building Pad		-			
19	From Column Line A-1, 20' East x 20' North (SOG)	5.6	106.4	108.8	98	95
20	From Column Line A-4, 15' West x 10' North (SOG)	8.2	107.1	108.8	98	95
21	From Column Line I-1, 30' South x 20' East (SOG)	8.0	108.1	108.8	99	95
22	From Column Line I-4, 25' South x 15' West (SOG)	5.9	107.0	108.8	98	95
, fl #						1977 14
E S			0			

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

### LAB INFORMATION

				LAB TEST	METHOD	
PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Brown poorly graded sand w/silt (SP-SM)	12.5	108.8		1	6.1
30	779					-

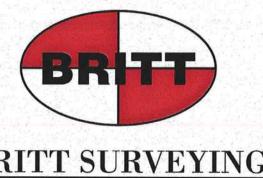
Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. SOG = Slab on Grade.

antilal R. Patel, P.E., Florida Registration No. 34087



## **BRITT SURVEYING**

Land Surveyors and Mappers

LAKE CITY · VENICE · SARASOTA

02/19/09

L-19797

To Whom It May Concern:

C/o: Christ Central Ministry

Re: 26-4S-16-03189-003

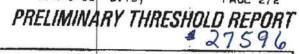
The elevation of the finished floor is 81.90 feet. The highest adjacent grade is 81.65 feet. The lowest adjacent grade is 81.55 feet. The elevations shown hereon are based on NGVD 29 Datum.

L. Scott Britt PLS #5757

p.1

APR-3-09 9:19;

PAGE 2/2







NOTE: THIS REPORT IS PRELIMINARY WHILL REVIEWED BY THIS SPECIAL INSPECTOR OF RECORD

	1677			
PROJECT NAME: CCM		The state of the s	DATE:	4-3-09
PROJECT LOCATRON: Lake City I	i C		PROJECT	
HISPECTOR / INSPECTOR REPRESENTATIVE:	Curry		LAB 600.:	T# -10
CHENT: B. Zecher	Const		WEATHER:	
INSPECTION OF:				
reinforcing steel/formwork	O structural stee	el framing	D struct	ural steel welds
O structural steel bolted connections D	post-tensioned concrete	slab 🗆 shorir	gíreshorin	9
□ roof trusses/straps	or roof sheathing	and nailing pattern	□ concre	te placement
🗆 structural renovation/repair	Wother Fire	wall		
TYPE OF ELEMENT:				
□ footings □ pile caps	grade beams	shear walls	🗆 column	s :
□ ground slab □ elevated	şlab	□ beams	🗆 reinfor	ced concrete masonry walls
Fother Live male				
INSPECTION LOCATION:				
FireWall: 2	9'E of Col	line 4 Fro		5' South of
Co	J le T - 0	line 4 Fro	F A	
<u>ය</u>	de Beam	-10 3 14 Blanc 0	· N.	-4
<u> </u>	due Beau	·		
				1
				· · · · · · · · · · · · · · · · · · ·
	<del>/</del>	****		· · · · · · · · · · · · · · · · · · ·
RESULTS OF INSPECTION:	all above elements in ge	neval accordance with project	requireme	nts
work not complete	elements described belo	w not in compliance with proje	ct require	ments, reinspection required
ARIANCES TO CONTRACT DRAWING	S / SPECIFICATIONS:			
	, , , , , , , , , , , , , , , , , , ,	1000		
				<del></del>
HIS REPORT WAS REVIEWED BY THE	CONTRACTOR'S REPA	RESENTATIVE:		
AME	SIGNATURE			ATE .
rive a	WIGHT LANE		ď	nit.



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

31 March 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Reports for the above-referenced project. This covers the inspections made during the period from 9 March 2009 to 19 March 2009 (Field Reports Nos.: TI-7 and TI-9). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

layantilal R. Patel, P.E.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

# THRESHOLD INSPECTION ACTION ITEM SUMMARY

31 March 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
TI-8	3/18/09			
	7			
		9		
	1			× 1



	PROJEC	TINFORMATION		
PROJECT NAME:	<b>Christ Central Ministries Additions</b>		DATE:	9-Mar-09
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-7
CLIENT:	Bryan Zecher Construction	-	PERMIT NO.:	27596
INSPECTION OF:     reinforcing steel/formwork     structural steel bolted connections     roof trusses/straps     grout/concrete placement  INSPECTION LOCATION  Inspected formwork & reinforcing steel Slab and footings at row I from line 2 to Slab and footings at row A from line 2 t	roof sheathing a other  pile reinforcing pile caps/grade beams elevated slab  il installation in ground slab and for 3 and 16' north. to 3 and 16' south.  above slab and footings.	concrete slab and nailing pattern  walls beams column	structural steel shoring/reshoring reinforced concrete nother	g ete masonry
RESULTS OF INSPECTION:	above elements in general accord			200
work not complete, as noted  VARIANCES TO CONTRACT DRAWINGS	elements described below not in	compliance with project requ		
THE PROPERTY OF THE PROPERTY O	NOTE COLLOW TORS DI		Freeman Design Group	



	PROJECT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions	DATE:	18-Mar-09
PROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry	LAB NO.:	TI-8
CLIENT:	Bryan Zecher Construction	PERMIT NO.:	27596
	roof sheathing and nailing pattern other  pile reinforcing walls pile caps/grade beams beams elevated slab column  I installation in C.M.U. wall as listed below.	structural steel welds shoring/reshoring reinforced concrete maso reinforced concrete masonry to other Firewall	5°
Firewall at line 4 from row A to I, high One dowel is missing at south end of w	lift with clean outs at bottom. vall 2' north of column line A-4. Contractor has to correct above	deficiency before grouting.	
Work is not complete.	¥		
RESULTS OF INSPECTION:	above elements in general accordance with project requirements		
work not complete, as noted	elements described below not in compliance with project requirem	ents, reinspection required	-2
VARIANCES TO CONTRACT DRAWINGS	SSPECIFICATIONS BY:	Freeman Design Group	
	1100		



	PRO IE	CT INFORMATION	新生之智 a fi a South the sob in a Bibliote a	PHYS MARKET SALES TO A STAN HAP THAT A STAN
PROJECT NAME:	Christ Central Ministries Additions	ST INFORMATION	DATE:	19-Mar-09
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	VIENNISO POR SANS
INSPECTOR/INSPECTOR REPRESENTATIVE:	D. Wimpy			09G1801
CLIENT:	17/10		LAB NO.:	TI-9
offens place of the soft and the second second second	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement  TYPE OF ELEMENT:  footings  ground slab  column base plates  INSPECTION LOCATION  Inspected formwork & reinforcing stee Firewall begins 28' east of column line Work is complete.  Observed the placement of grout in about A testing technician performed the requirement.	roof sheathing other  pile reinforcing pile caps/grade beams elevated slab  l installation in C.M.U. wall as list A-4 to 80' north.	concrete slab and nailing pattern  walls beams column	structural steel v shoring/reshoring reinforced concre  reinforced concrete n other girder bolted	g ete masonry nasonry walls
Inspected bolted connections as listed l Bolted connections and bolt tightness f		4.		
Work is complete.	12			
RESULTS OF INSPECTION:	above elements in general accord	lance with project requiremen	nts	
work not complete, as noted	elements described below not in			iired
VARIANCES TO CONTRACT DRAWINGS			Freeman Design Group	
	- A -			



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

8 April 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made during on 3 April 2009 (Field Report No. TI-10). An Action Item Summary is attached to this cover letter.

0

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

■ 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

## THRESHOLD INSPECTION ACTION ITEM SUMMARY

8 April 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
		*		
			Ca	
		- s		
		·		
	1			



<b>文学是学生的</b> 类似于美国内的	PROJECT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions	DATE:	3-Apr-09
PROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry	LAB NO.:	TI-10
CLIENT:	Bryan Zecher Construction	PERMIT NO.:	27596
INSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement	structural steel framing post-tensioned concrete slab roof sheathing and nailing pattern other	structural steel v shoring/reshoring reinforced concre	
TYPE OF ELEMENT:  footings ground slab column base plates INSPECTION LOCATION	pile reinforcing walls pile caps/grade beams beams elevated slab column	reinforced concrete m the other fire wall	asonry walls
Inspected formwork & reinforcing stee	el installation in fire wall as listed below.		
	l installation in fire wall as listed below.		
Firewall from 5' south of column line I-	4 to 5' north of column line A-4 and 29' east of line 4.		
RESULTS OF INSPECTION:	above elements in general accordance with project requirements		
work not complete, as noted	elements described below not in compliance with project requirer	ments, reinspection requ	ired
VARIANCES TO CONTRACT DRAWINGS	S/SPECIFICATIONS BY:	Freeman Design Group	<b>美国家交流的</b>



### COMPRESSIVE STRENGTH REPORT

366 SW Knox Street, Suite 103, Lake City, Florida 32025

PROJECT INFORMATION

PROJECT: Central Christ Ministries Additions

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

CONTRACTOR: Parrish Concrete

DATE:

27-Mar-09

PROJECT NO:

09G1003

LAB NO:

7

TECHNICIAN:

Daryn Wimpy

**SPECIMEN INFORMATION** 

SUPPLIER:

Columbia Ready Mix

WEATHER CONDITIONS:

sunny

DATE MOLDED:

27-Feb-09

SPECIMEN TYPE:

cylinders

DATE RECEIVED:

**DIMENSIONS:** 

4 x 8

REPRESENTATIVE LOCATION:

Building footer, between new building & existing building, from column line A-4, 30' east. Slab on grade, from column line A-4,

10' north x 30' east.

**CONCRETE TEMPERATURE.:** 

61

# OF SPECIMENS MOLDED:

5

ATMOSPHERE TEMPERATURE:

°F 55 °F

SET #:

4

AIR CONTENT:

QUANTITY REP:

10.00

TIME BATCHED:

yds

SLUMP:

7:02 AM

WATER ADDED:

gal(s).

TIME MOLDED:

7:45 AM

WATER AUTHORIZED BY:

**CONCRETE TRUCK #:** 

40

STRENGTH REQUIREMENT:

3,000 psi @ 28 days **CONCRETE TICKET #:** 

89333

DESIGN MIX #:

3F

7.5

ADD MIX:

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31 C39 C78 C172 C231 C173 C143 C192 C138 C1064 C1231 C617 C1019 C270 C780 C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTU	AL DIM (in.)	ENSION height)	AREA (in. <sup>2</sup> )	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
А	7	6-Mar-09	4.00	x	8.00	12.57	36,130	2,870	N/A	neoprene
В	7	6-Mar-09	4.00	х	8.00	12.57	35,960	2,860	N/A	neoprene
С	28 -	27-Mar-09	4.00	х	8.00	12.57	52,670	4,190	N/A	neoprene
D	28	27-Mar-09	4.00	X	8.00	12.57	49,820	3,960	N/A	neoprene
								* indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:	·							FRAC TYPE:		(1) CONE
								THACTIFE.		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zeche	r Construction								(3) SHEAR
22	Harry Dicks/Columbia Cour	nty Building Department								(4) SPLIT
	Bill Freeman/Freeman Desi	gn Group								(5) OTHER



# 27596

March 17, 2009

TO: Bryan Zecher Harry Dicks Bill Freeman

Dear Gentlemen,

Enclosed you will find Reports for Christ Central Ministries. The first page is the Threshold Inspection letter for inspections one and two. Unfortunately, the salutation is addressed to the wrong party. I'm sending this one on just so you know it has been done. I will be receiving a corrected version, signed and sealed next week. When it arrives it will be forwarded on to all of you. Feel free to contact me at the office with any questions. Please accept my apologies and thank you for your patience.

Sincerely,

Lennie Cory

Lennie Cory



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

26 February 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Alderman:

Enclosed please find Threshold Inspection Reports for the above-referenced project. This covers the inspections made during the period from 11 February to 12 February (Field Reports Nos.: TI-1 and TI-2. An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Jayantilal R. Patel, P.E.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

P.E 2/26/09

# THRESHOLD INSPECTION ACTION ITEM SUMMARY

26 February 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO.
				2
	7			<u> </u>



	PROJEC	CT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions		DATE:	11-Feb-09
ROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
NSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry	LAB NO.:	TI-1	
LIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
reinforcing steel/formwork structural steel bolted connections roof trusses/straps grout/concrete placement  rype of element: footings	other pile reinforcing	0.0000000000000000000000000000000000000	reinforced concrete	ing crete masonry
ground slab	pile caps/grade beams	beams	other	il il
column base plates  NSPECTION LOCATION	elevated slab	column		20 September 2 Provide the Internal
round slab and footing from row A to Vork is not complete.	I and from line 1 to 4.			
ESULTS OF INSPECTION:  work not complete, as noted	▶ above elements in general accor			equired
ARIANCES TO CONTRACT DRAWINGS	S/SPECIFICATIONS BY:		Freeman Design Gro	оир



		CT INFORMATION		40 F . 22
PROJECT NAME:	Christ Central Ministries Additions		DATE:	12-Feb-09
PROJECT LOCATION:	Lake City, Colombia County, Florida	l	PROJECT NO.	09G1801
NSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-2
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
reinforcing steel/formwork structural steel bolted connections roof trusses/straps grout/concrete placement	structural stee post-tensioned roof sheathing other	0-00-00000 <del>0</del>	structural steel v	
footings	pile reinforcing	walls	reinforced concrete n	asonry walls
ground slab	pile caps/grade beams	beams	other	
column base plates  NSPECTION LOCATION	elevated slab	column		
Ground slab and footings as listed in TI  Observed the placement of concrete in  A testing technician performed the requ	above slab and footing.			
	above elements in general accor	dance with project requiren	nents	
ESULTS OF INSPECTION:  work not complete, as noted	elements described below not in	compliance with project re	quirements, reinspection requ	ired



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

11 March 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

**Dyal Road** 

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Reports for the above-referenced project. This covers the inspections made during the period from 23 February 2009 to 27 February 2009 (Field Reports Nos.: TI-3 and TI-5). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 – Columbia County Building Department

2 – ASC Lake City & ASC Lakeland

## THRESHOLD INSPECTION ACTION ITEM SUMMARY

11 March 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
-				
				¥.
	P. 1			



	PROJE	CT INFORMATION	St. 1985 Administration of	
PROJECT NAME:	Christ Central Ministries Additions		DATE:	23-Feb-09
ROJECT LOCATION:	Lake City, Colombia County, Florida	1	PROJECT NO.	09G1801
NSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry  Bryan Zecher Construction		LAB NO.:	TI-3
CLIENT:			PERMIT NO.:	27596
reinforcing steel/formwork structural steel bolted connections roof trusses/straps grout/concrete placement rype of element: footings ground slab column base plates VSPECTION LOCATION  aspected bolted connections at structuolted connections at column to girder fork is not complete.	pile reinforcing pile caps/grade beams elevated slab  ural steel members as listed belov	concrete slab and nailing pattern  walls beams column	structural steel v shoring/reshoring reinforced concrete reinforced concrete m other	ete masonry
SULTS OF INSPECTION:	▶ above elements in general accor	dance with project requirements	3	
ESULTS OF INSPECTION:  work not complete, as noted	above elements in general accord			ired



CONSTRUCTOR SHOW THE STATE OF T	PROJE	CT INFORMATION	State of the state	
PROJECT NAME:	Christ Central Ministries Additions		DATE:	26-Feb-09
PROJECT LOCATION:	Lake City, Colombia County, Florid	a	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	T. Bradshaw		LAB NO.:	TI-4
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement  TYPE OF ELEMENT:		el framing I concrete slab and nailing pattern	structural steel shoring/reshorin reinforced conc	g
footings  ground slab  column base plates	pile reinforcing pile caps/grade beams elevated slab	walls beams column	reinforced concrete r	nasonry walls
INSPECTION LOCATION		column		
Vork is not complete.				
	above elements in general accor	20 8 20		
work not complete, as noted	elements described below not in	ocompliance with project req	uirements, reinspection req	uired
ARIANCES TO CONTRACT DRAWINGS	S/SPECIFICATIONS BY:		Freeman Design Group	
	ΛΛ.			
	Jayanti/al Patel,	P.E., Florida Registration No	) o. 34087, Special Inspector	No. 2038



	PROJECT INFORMATION	(302) 1 173 2 2 2 3 1 1 1 1 1 1	
ROJECT NAME:	Christ Central Ministries Additions	DATE:	27-Feb-09
ROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO.	09G1801
NSPECTOR/INSPECTOR REPRESENTATIVE:	J. Starling	LAB NO.:	TI-5
CLIENT:	Bryan Zecher Construction	PERMIT NO.:	27596
reinforcing steel/formwork structural steel bolted connections roof trusses/straps grout/concrete placement  rype of element: footings ground slab column base plates  NSPECTION LOCATION  deinforcing steel installation and formula steel installation and steel inst	roof sheathing and nailing pattern other  pile reinforcing walls pile caps/grade beams elevated slab column  work is complete in ground slab as listed in TI-4. above mentioned slab.	structural steel w shoring/reshoring reinforced concrete reinforced concrete ma	te masonry
			E.
ESULTS OF INSPECTION:	▶ above elements in general accordance with project requir	rements	E.
ESULTS OF INSPECTION:  work not complete, as noted	■ above elements in general accordance with project requine elements described below not in compliance with project		red



ASC Lake City: 366 SW Knox Street, Suite 103, Lake City, Florida 32025

Page

DATE:

1 of 1

PROJECT INFORMATION

**Christ Central Ministries Additions** PROJECT:

3 March 2009

LOCATION:

Lake City, Columbia County, Florida

PROJECT NO:

09G1003

CLIENT:

Bryan Zecher Construction, Inc.

LAB NO:

6

CONTRACTOR:

Larry Pierce

TECHNICIAN:

L. Bearrington

ELD DENSITY	INFORMATION					
					TEST DATE:	25-Feb-0
TEST Number	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY	LAB Proctor Density	COMPACT	ION PERCEN
		(%)	(lb/ft <sup>3</sup> )	(lb/ft <sup>3</sup> )	ATTAINED	REQUIRED
	Footing & Pad for Portico at East Side of Building			Ħ		
23	From Column Line I-4, 3' south x 3' east (BOF)	11.9	107.1	108.8	98	98
24	From Column Line I-4, 10' south x 27' east (BOF)	9.4	107.5	* 108.8	99	98
25	From Column Line A-4, 5' north x 27' east (BOF)	10.5	107.1	108.8	98	98
26	From Column Line A-4, 3' north x 3' east (BOF)	10.9	107.0	108.8	98	98
27	From Column Line B-4, 10' east (SOG)	9.1	109.3	108.8	100	98
28	From Column Line H-4, 10' east (SOG)	8.4	109.7	108.8	100+	98

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

### LAB INFORMATION

SOVE MATERIAL PROPERTY.				LAB TEST METHOD			
PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)	
1B	Brown poorly graded sand w/silt (SP-SM)	12.5	108.8		√	6.1	
			-				

Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

2. Harry Dicks/Columbia County Building Department

3. Bill Freeman/Freeman Design Group

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. BOF - Bottom of Footing.

4. SOG = Slab on Grade.

www.ascworld.net



## # 27596 COMPRESSIVE STRENGTH REPORT

366 SW Knox Street, Suite 103, Lake City, Florida 32025

				occ off fines offeet, carte 100, i	Lune only,	iviiu	4 02
PROJECT INFORM	MATION						\$VI.5
PROJECT:	T: Central Christ Ministries Additions			DATE:	6	6-Apr-09	1
LOCATION:	Lake City, Columbia Cou	unty, Florida		PROJECT NO:	JECT NO: 09G10		}
CLIENT:	Bryan Zecher Construction, Inc.			LAB NO:	0: 9		
CONTRACTOR:	Parrish Construction			TECHNICIAN:	J. Curry/S. Bowles		
SPECIMEN INFOR	MATION	21.54				A. 4.8%	
	SUPPLIER:	Columbia Read	y Mix	WEATHER CONDITIONS:	AL	clear	
DATE MOLDED:		9-Mar-09		SPECIMEN TYPE:	С	cylinders	
	DATE RECEIVED:			DIMENSIONS:		4 x 8	
1000000000	SENTATIVE LOCATION: RETE TEMPERATURE.:	Slab on grade,	from column line I-2 to co	olumn line I-3, 16' north.  # OF SPECIMENS MOLDED:	5		
ATMOSPHERE TEMPERATURE:		65	• °F	SET #:	5		
AIR CONTENT:		00	%	QUANTITY REP:	9.00	yds	
	SLUMP:	6.50	in.	TIME BATCHED:	6:50 AM		
	WATER ADDED:		gal(s).	TIME MOLDED:	7:30 AM		6
WA	TER AUTHORIZED BY:			CONCRETE TRUCK #:	65		
STRE	NGTH REQUIREMENT:	3,000	psi @ 28 days	CONCRETE TICKET #:	89441		
	DESIGN MIX #:	3FHE2RF		ADD MIX:			

### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31, C39, C78, C172, C231, C173, C143, C192, C138, C1064, C1231, C617, C1019, C270, C780, C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTU	AL DIM (in.)	ENSION height)	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
Α	7	16-Mar-09	4.00	X	8.00	12.57	28,150	2,240	N/A	neoprene
В	7	16-Mar-09	4.00	х	8.00	12.57	27,340	2,180	N/A	neoprene
C	28	6-Apr-09	4.00	х	8.00	12.57	48,200	3,830	N/A	neoprene
D	28	6-Apr-09	4.00	х	8.00	12.57	47,430	3,770	N/A	neoprene
		~						* indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:								FRAC TYPE:		(1) CONE
	THACTIFE.							(2) CONE SHEAR		
COPIES TO:	Bryan Zecher/Bryan Zeche	er Construction							/	(3) SHEAR
	Harry Dicks/Columbia Cour	nty Building Department								(4) SPLIT
	Bill Freeman/Freeman Desi	on Group								5) OTHER

Jayantilal R. Patel, P.E., Florida Registration No. 34087



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

28 April 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made during on 14 April 2009 (Field Report No. TI-12). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Javantilal R. Patel, P.E.

Special Inspector No. 2038 Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

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

## THRESHOLD INSPECTION ACTION ITEM SUMMARY

28 April 2009

PROJECT: Christ Central Ministries Additions ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
			=	



	PROJECT INFORMATION							
PROJECT NAME:	Christ Central Ministries Additions	DATE:	14-Apr-09					
PROJECT LOCATION:	PROJECT NO.	09G1801						
INSPECTOR/INSPECTOR REPRESENTATIVE:	LAB NO.:	TI-12						
CLIENT:	PERMIT NO.:	27596						
ACCURATION OF MARKS OF AN INCIDENCE OF A SECURITION	Bryan Zecher Construction	des virint up a page communic	STATE OF THE PARTY					
INSPECTION OF: reinforcing steel/formwork structural steel bolted connections	structural steel framing post-tensioned concrete slab	structural steel welds shoring/reshoring						
roof trusses/straps grout/concrete placement	reinforced concrete masonry							
TYPE OF ELEMENT:  footings  ground slab  column base plates  INSPECTION LOCATION	pile reinforcing walls pile caps/grade beams beams elevated slab column	reinforced concrete masonry other <u>canopy roof</u>	r walls					
Inspected roof sheathing and nailing pa North canopy roof from row I, 16' nor South canopy roof from row A, 16' so Work is not complete	th between line 2 & 3.							
ABOVE elements in general accordance with project requirements  work not complete, as noted  elements described below not in compliance with project requirements, reinspection required								
VARIANCES TO CONTRACT DRAWINGS	S/SPECIFICATIONS BY:	Freeman Design Group						



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

21 April 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Report for the above-referenced project. This covers the inspection made 7 April 2009 (Field Reports Nos.: TI-11). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Jayantilal R. Patel, P.E.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

21 April 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO.



	PROJE	CT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions		DATE:	7-Apr-09
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-11
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement  TYPE OF ELEMENT:	structural stee post-tensioned roof sheathing other		structural steel value steel value shoring/reshoring reinforced concr	3
footings ground slab column base plates INSPECTION LOCATION	pile reinforcing pile caps/grade beams elevated slab	walls beams column	reinforced concrete n  other north canopy	
Inspected roof sheathing and nailing pa North canopy roof from row I, 16' no Work is not complete		elow.		
RESULTS OF INSPECTION:  work not complete, as noted  VARIANCES TO CONTRACT DRAWINGS	above elements in general accor elements described below not in S/SPECIFICATIONS BY:			

Jayan dial Patel, P.E., Florida Registration No. 34087, Special Inspector No. 203



366 SW Knox Street, Suite 103, Lake City, Florida 32025

				Juu SW Kiiux Street, Suite 103,	Lake Gily, I	TUTTUA 32029	
PROJECT INFORM	MATION						
PROJECT:	Central Christ Ministries Additions			DATE:	16	6-Apr-09	
LOCATION:	Lake City, Columbia Co.	unty, Florida		PROJECT NO:	09	9G1003	
CLIENT:	Bryan Zecher Construct	tion, Inc.		LAB NO:		11	
CONTRACTOR:	Southpoint Masonry			TECHNICIAN:	Dar	yn Wimpy	
SPECIMEN INFOR	MATION						
	SUPPLIER:	Columbia Read	ly Mix	WEATHER CONDITIONS:		sunny	
	DATE MOLDED:			SPECIMEN TYPE:	C	cylinders	
DATE RECEIVED:				4 x 8			
	SENTATIVE LOCATION: RETE TEMPERATURE.:	71	*F	e A-4 to 80' north. (0' to 12' height)  # OF SPECIMENS MOLDED:	5		
	PHERE TEMPERATURE:	72	°F	# OF SPECIALING MICEDED.	6		
ATMOO	AIR CONTENT:	12	%	QUANTITY REP:	9.00	yds	
			in.	TIME BATCHED:	10:01 AM	yus	
	SLUMP: Water added:						
18/4	TER AUTHORIZED BY:		gal(s).	TIME MOLDED:	11:20 AM		
		2 000	: O 20 d	CONCRETE TRUCK #:	62		
SIKE	NGTH REQUIREMENT:	3,000	psi @ 28 days	CONCRETE TICKET #:	89563		
	DESIGN MIX #:	3PM		ADD MIX:			

#### STRENGTH INFORMATION

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	17250354	(in.)	ENSION	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE Strength (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
A	7	26-Mar-09	( dia 4.00	X X	height) 8.00	12.57	33,260	2,650	N/A	neoprene
В	7	26-Mar-09	4.00	x	8.00	12.57	31,490	2,510	N/A	neoprene
С	28	16-Apr-09	4.00	х	8.00	12.57	49,640	3,950	N/A	neoprene
D	28	16-Apr-09	4.00	х	8.00	12.57	47,220	3,760	N/A	neoprene
\$C		L						* indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:								FDAC TVDC.		(1) CONE
								FRAC TYPE:		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zeche	er Construction								(3) SHEAR
	Harry Dicks/Columbia Cou	nty Building Department								(4) SPLIT
	Bill Freeman/Freeman Desi	gn Group				^				(5) OTHER

27596



## COMPRESSIVE STRENGTH REPORT

366 SW Knox Street, Suite 103, Lake City, Florida 32025

**PROJECT INFORMATION** 

PROJECT: Christ Central Ministries Additions

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

CONTRACTOR: David King

DATE:

1-May-09

PROJECT NO:

09G1003

LAB NO:

13

TECHNICIAN:

Shane Bowles

**SPECIMEN INFORMATION** 

SUPPLIER: DATE MOLDED:

DATE RECEIVED:

Columbia Ready Mix

3-Apr-09

WEATHER CONDITIONS:

SPECIMEN TYPE:

clear cylinders

yds

(5) OTHER

DIMENSIONS:

4 x 8

REPRESENTATIVE LOCATION:

Rake beam for fire wall, begins 29' east of column line 4, 5' south of column line I-4 to 5' north of column line A-4.

CONCRETE TEMPERATURE .:

72

°F

# OF SPECIMENS MOLDED:

5

ATMOSPHERE TEMPERATURE:

84

SET #:

7

AIR CONTENT:

°F

QUANTITY REP:

9.00

SLUMP:

7.50

TIME BATCHED:

11:07 AM

WATER ADDED:

10.00

gal(s).

TIME MOLDED: **CONCRETE TRUCK #:**  11:35 AM

WATER AUTHORIZED BY: STRENGTH REQUIREMENT:

Darrell

psi @ 28 days

**CONCRETE TICKET #:** 

65 89710

DESIGN MIX #:

3,000 3PM

ADD MIX:

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods:

SPECIMEN NO.	TEST AT DAYS	DATE TESTED		(in.)	ENSION	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
A	7	10-Apr-09	( dia 4.01	X	height) 8.00	12.63	33,920	2,690	N/A	neoprene
В	7	10-Apr-09	4.00	x	8.00	12.57	31,660	2,520	N/A	neoprene
С	28	1-May-09	4.00	x	8.00	12.57	49,330	3,920	N/A	neoprene
D	28	1-May-09	4.00	x	8.00	12.57	47,010	3,740	N/A	neoprene
				-				* indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:								FRAC TYPE:		(1) CONE
							/	FNAU TIFE.		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zeche	er Construction								(3) SHEAR
	Harry Dicks/Columbia Cou	nty Building Department								(4) SPLIT

Bill Freeman/Freeman Design Group

antilal R. Patel, P.E., Florida Registration No. 34087



## 27594 FIELD DENSITY REPORT

ASC Lake City: 366 SW Knox Street, Suite 103, Lake City, Florida 32025

Page

1 of 1

$H^{\dagger}$

PROJECT: Barney Feinberg Building Pad, Permit No. 000027772

DATE:

30 April 2009

LOCATION:

171 SW Barney Street, High Springs, Florida 32643

PROJECT NO:

09G1008

CLIENT:

1

Barney Feinberg

LAB NO:

S. Paul CONTRACTOR:

TECHNICIAN:

J. Curry

					TEST DATE:	29-Apr-0
TEST Number	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY	LAB Proctor Density	СОМРАСТ	ION PERCEN
		(%)	(lb/ft³)	(lb/ft <sup>3</sup> )	ATTAINED	REQUIRED
	Building Pad					
1	From NW Corner of Pad, 25' South x 10' East (SOG)	3.6	108.5	112.4	97	95
2	From NE Corner of Pad, 15' South x 20' West (SOG)	4.0	109.3	112.4	97	95
			3 3 5	s.,		

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

### LAB INFORMATION

				LAB TEST	METHOD	
PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Yellow poorly graded sand w/silt (SP-SM)	11.0	112.4		<b>√</b>	7.8

Copies: 1. Mr. Barney Feinberg

2. County Building Department via fax: 386.758.2160

(attn: Joe or Harry Dicks)

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. SOG - Slab on Grade.

www.ascworld.net



### LABORATORY PROCTOR

366 SW Knox St Ste 103 Lake City, Florida 32025 P: 386-755-1414

F: 386-755-8882

PROJECT: Barney Feinberg Bulding Pad, Permit No. 000027772

LOCATION: 171 SW Barney Street, High Springs, Florida 32643

**CLIENT:** Barney Feinberg

LOCATION SAMPLED: Building Pad, Slab on Grade.

DATE:

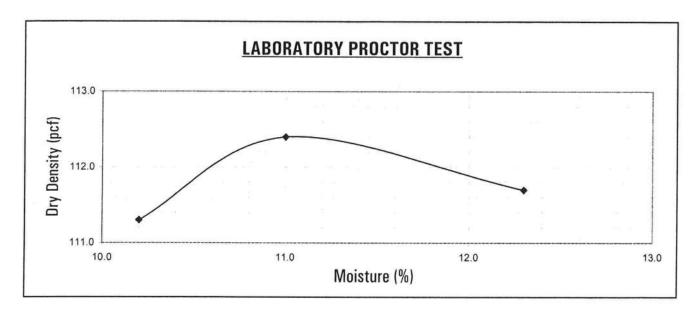
30-Apr-09

09G1008 PROJECT NO:

LAB NO:

DATE SAMPLED: 29-Apr-09

MATERIAL DESC: (ASTM/AASHTO):	Yellow poorly graded sand w/silt. (SP-SM)	
	ASTM D 698 METHOD (AASHTO T 99), Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort	
√	ASTM D 1557 METHODA_ (AASHTO T 180), Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort	



	Calculated	Reported
Maximum Dry Density (pcf):	112.4	112.4
Optimum Moisture Content (%):	11.0	11.0
Percent Passing #200 Sieve (%):	7.8	7.8

COPIES TO: Mr. Barney Feinbert

County Building Department via fax: 386.758.2160

(Joe or Harry Dicks)



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

5 May 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made during on 22 April 2009 (Field Report No. TI-13). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Jayantilal R. Patel, P.E. Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

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

5 May 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
TI-13	4/22/09	Column bases (2 nos. at north canopy and 2 nos. at south canopy) have been grouted but no concrete tests performed. Plans specify 3000 psi non-shrink grout (DWG. Sheet A-9). Engineer's approval is required.		
,				



	PROJE	CT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions		DATE:	22-Apr-09
PROJECT LOCATION:	Lake City, Colombia County, Florid	a	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-13
CLIENT:	ELIENT: Bryan Zecher Construction			27596
INSPECTION OF:     reinforcing steel/formwork     structural steel bolted connections     roof trusses/straps     grout/concrete placement  TYPE OF ELEMENT:     footings     ground slab		17.0	structural steel v shoring/reshoring reinforced concrete reinforced concrete m other canopy roof	ete masonry
column base plates	elevated slab	column	p canopy root	
INSPECTION LOCATION				
Inspected roof sheathing and nailing pa From row I and Line 2 to 3, 16' North From row A and Line 2 to 3, 16' South		low.		
RESULTS OF INSPECTION:	above elements in general acco	rdance with project requirer	nents	
work not complete, as noted	elements described below not in	compliance with project re	quirements, reinspection requ	uired
VARIANCES TO CONTRACT DRAWING	The second secon		Freeman Design Group	
Column bases (2 nos. at north canopy a shrink grout (DWG. Sheet A-9). Engine		been grouted but no cond	crete tests performed. Plan	ns specifies 3000 psi non-

Jayantilal Patel, P.E., Florida Registration No. 34087, Special Inspector No. 2038



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056 3 June 2008

Subject:

Threshold Inspection - Final Completion Letter

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Based upon our visual inspection for the period from 11 February 2009 through 19 May 2009 (Threshold Inspection Field reports TI-1 through TI-14). I certify that:

To the best of my knowledge and belief, the above-described construction of all structural load-bearing components complies with the permitted documents, and the shoring and re-shoring conforms with the shoring and re-shoring plans submitted to the enforcement agency.

This completes ASC's special inspector services for the above-referenced building. For any questions, please do not hesitate to contact ASC. This completion report is for your information and filing.

Sincerely,

ASC geosciences, inc.

Jayantilal R. Patel, P.E.

Special Inspector No. 2038 Florida Registration No. 34087

copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056

26 February 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Reports for the above-referenced project. This covers the inspections made during the period from 11 February 2009 to 12 February 2009 (Field Reports Nos.: TI-1 and TI-2). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

antilal R. Patel, P.E.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 – Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

18 March 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO.
			1	



	PROJECT INFORMATION	telegist s	Committee To Table
ROJECT NAME:	Christ Central Ministries Additions	DATE:	6-Mar-09
ROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO.	09G1801
VSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry	LAB NO.:	TI-6
LIENT:	Bryan Zecher Construction	PERMIT NO.:	27596
NSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement	structural steel framing post-tensioned concrete slab roof sheathing and nailing pattern other	structural steel	9
FYPE OF ELEMENT:  footings ground slab column base plates	pile reinforcing walls pile caps/grade beams beams elevated slab column	reinforced concrete r	nasonry walls
NSPECTION LOCATION		Application of the first of the	9
ooting and ground slab at row A fron ooting and ground slab at row I from Vork is not complete.			
RESULTS OF INSPECTION:	▶ above elements in general accordance with project requirer	nents	
work not complete, as noted	elements described below not in compliance with project re	equirements, reinspection red	quired
ARIANCES TO CONTRACT DRAWING	S/SPECIFICATIONS BY:	Freeman Design Grou	<b>p</b> 34 - 35 - 35 - 35 - 35 - 35 - 35 - 35 -
	Sayantilal Patel, P.E., Florida Registration I	) No. 34087, Special Inspecto	r No. 2038



ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

				366 SW Knox Street, Suite 103, 1	ake City, F	lorida 32025
PROJECT INFORM	MATION					
PROJECT:	Central Christ Ministries	s Additions		DATE:	12	-Mar-09
LOCATION:	Lake City, Columbia Co.	unty, Florida		PROJECT NO:	09	961003
CLIENT:	Bryan Zecher Construct	tion, Inc.		LAB NO:		4
CONTRACTOR:	Parrish Concrete			TECHNICIAN:	Dar	yn Wimpy
SPECIMEN INFOR	RMATION			<b>等。但我就是一个数据等等。</b>		
F. (1)	SUPPLIER:	Columbia Read	ly Mix	WEATHER CONDITIONS:		dark
DATE MOLDED:		12-Feb-09		SPECIMEN TYPE:	C	ylinders
	DATE RECEIVED:			DIMENSIONS:		4 x 8
REPRE	SENTATIVE LOCATION:	Column pad H	4 & slab on grade, from	column line I-4 to column line F-4, 20' west.		
CONC	CRETE TEMPERATURE.:	62	°F	# OF SPECIMENS MOLDED:	5	
ATMOS	PHERE TEMPERATURE:	60	°F	SET #:	1	
	AIR CONTENT:		%	QUANTITY REP:	10.00	yds
	SLUMP:	6.5	in.	TIME BATCHED:	4:56 AM	
	WATER ADDED:	12	gal(s).	TIME MOLDED:	5:40 AM	
W	ATER AUTHORIZED BY:	Wayne w/Colu	mbia Ready Mix	CONCRETE TRUCK #:	62	

#### STRENGTH INFORMATION

STRENGTH REQUIREMENT:

DESIGN MIX #:

3,000

3F

psi @ 28 days

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31, C39, C78, C172, C231, C173, C143, C192, C138, C1064, C1231, C617, C1019, C270, C780, C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED		(in.)	ENSION	AREA (in.²)	TOTAL LOAD	COMPRESSIVE Strength (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
Α	7	19-Feb-09	( dia 4.00	X X	height) 8.00	12.57	32,950	2,620	N/A	neoprene
В	7	19-Feb-09	4.00	x	8.00	12.57	30,610	2,440	N/A	neoprene
C	28	12-Mar-09	4.01	x	8.00	12.63	44,780	3,550	N/A	neoprene
D	28	12-Mar-09	4.00	x	8.00	12.57	43,020	3,420	N/A	neoprene
								* indicates specim	nen did not meet str	ength requirement
REMARKS/NOTES:								FRAC TYPE:		(1) CONE
								FRAUTIFE:		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zech	er Construction								(3) SHEAR
	Harry Dicks/Columbia Cou	unty Building Department								(4) SPLIT
	Bill Freeman/Freeman Des	sign Group								(5) OTHER

Jayantilal R. Patel, P.E., Florida Registration No. 34087

CONCRETE TICKET #:

ADD MIX:

89188



ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

				300 SVV Knox Street, Suite 103, I	lake City, i	lorida 32025
PROJECT INFORM	<b>NATION</b>			<b>在在2条型的各种型型型型型型型型型</b>		
PROJECT:	Central Christ Ministries	Additions		DATE:	12	-Mar-09
LOCATION:	Lake City, Columbia Cou	inty, Florida		PROJECT NO:	09	9G1003
CLIENT:	Bryan Zecher Construct	ion, Inc.		LAB NO:		4
CONTRACTOR:	Parrish Concrete			TECHNICIAN:	Dar	yn Wimpy
SPECIMEN INFOR	MATION					
	SUPPLIER:	Columbia Read	ly Mix	WEATHER CONDITIONS:	personal designation and a state of the factor of	dark
DATE MOLDED:		12-Feb-09		SPECIMEN TYPE:	C	ylinders
DATE RECEIVED:				DIMENSIONS:		4 x 8
REPRE	SENTATIVE LOCATION:	Slab on grade,	from column line A·3 to	column line H-3, 15' east.		
CONC	RETE TEMPERATURE.:	60	°F	# OF SPECIMENS MOLDED:	5	
ATMOSI	PHERE TEMPERATURE:	59	°F	SET #:	2	
	AIR CONTENT:		%	QUANTITY REP:	10.00	yds
	SLUMP:	7.00	in.	TIME BATCHED:	5:24 AM	
	WATER ADDED:		gal(s).	TIME MOLDED:	6:15 AM	
W	ATER AUTHORIZED BY:			CONCRETE TRUCK #:	64	
STR	ENGTH REQUIREMENT:	3,000	psi @ 28 days	CONCRETE TICKET #:	89192	
	DESIGN MIX #:	3F		ADD MIX:		

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31, C39, C78, C172, C231, C173, C143, C192, C138, C1064, C1231, C617, C1019, C270, C780, C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTU	AL DIM (in.)	ENSION height)	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
A	7	19-Feb-09	4.00	x	8.00	12.57	30,120	2,400	N/A	neoprene
В	7	19-Feb-09	4.00	x	8.00	12.57	31,980	2,540	N/A	neoprene
С	28	12-Mar-09	4.00	x	8.00	12.57	45,810	3,640	N/A	neoprene
D	28	12-Mar-09	4.00	X	8.00	12.57	47,200	3,750	N/A	neoprene
								* indicates specim	nen did not meet str	rength requirement
REMARKS/NOTES:								FDAO TVDF		(1) CONE
								FRAC TYPE:		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zeche	er Construction								(3) SHEAR
	Harry Dicks/Columbia Cou	nty Building Department								(4) SPLIT
	Bill Freeman/Freeman Des	ign Group			0					(5) OTHER

18 Texel 3 16 109

Javantilal R. Patel, P.E., Florida Registration No. 34087



ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

				JOD SW KNOX Street, Suite 103,	Lake Gity, r	oriaa 32025
PROJECT INFORM	MATION					
PROJECT:	Central Christ Ministrie	s Additions		DATE:	12	-Mar-09
LOCATION:	Lake City, Columbia Co.	unty, Florida		PROJECT NO:	09	9G1003
CLIENT:	Bryan Zecher Construct	ion, Inc.		LAB NO:		4
CONTRACTOR:	Parrish Concrete			TECHNICIAN:	Dar	yn Wimpy
SPECIMEN INFOR	RMATION			<b>艾萨尔斯 化层层数型级形型图形</b>		
*	SUPPLIER:	Columbia Read	y Mix	WEATHER CONDITIONS:	AND THE PERSON AND TH	dark
DATE MOLDED:		12-Feb-09		SPECIMEN TYPE:	C	ylinders
	DATE RECEIVED:			DIMENSIONS:		4 x 8
REPRES	SENTATIVE LOCATION:	Slab on grade,	from column line 1-2	to column line B-2, 15' east.		
CONC	CRETE TEMPERATURE.:	61	°F	# OF SPECIMENS MOLDED:	5	
ATMOS	PHERE TEMPERATURE:	58	°F	SET #:	3	
	AIR CONTENT:		%	QUANTITY REP:	10.00	yds
	SLUMP:	6.75	in.	TIME BATCHED:	6:25 AM	
	WATER ADDED:		gal(s).	TIME MOLDED:	7:00 AM	
W	ATER AUTHORIZED BY:			CONCRETE TRUCK #:	33	

#### STRENGTH INFORMATION

STRENGTH REQUIREMENT:

DESIGN MIX #:

3,000

3F

psi @ 28 days

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods:

SPECIMEN NO.	TEST AT DAYS	DATE TESTED		AL DIM (in.)	ENSION	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene	CAPPING TYPE
Α	7	19-Feb-09	( dia	X	height)	10.57	20.500	0.400	capping)	
Α		19-160-09	4.00	X	8.00	12.57	30,530	2,430	N/A	neoprene
В	7	19-Feb-09	4.00	X	8.00	12.57	28,960	2,300	N/A	neoprene
C	28	12-Mar-09	4.00	X	8.00	12.57	47,190	3,750	N/A	neoprene
D	28	12-Mar-09	4.00	X	8.00	12.57	45,630	3,630	N/A	neoprene
								• indicates specim	en did not meet str	ength requirement
REMARKS/NOTES:								FRAC TYPE:		(1) CONE
								FRAUTIFE:		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zech	er Construction								(3) SHEAR
	Harry Dicks/Coulmbia Cou	inty Building Department								(4) SPLIT
	Bill Freeman/Freeman Des	ian Group								(5) OTHER

140 Nov 2/16/03

Jayantilal R. Patel, P.E., Florida Registration No. 34087

CONCRETE TICKET #:

ADD MIX:

89197



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street

Lake City, Florida 32056

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Reports for the above-referenced project. This covers the inspections made during the period from 9 March 2009 to 19 March 2009 (Field Reports Nos.: TI-7 and TI-9). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

www.ascworld.net

31 March 2009

31 March 2009

ASC PROJECT NO.: 09G1801

PROJECT: Christ Central Ministries Additions

LOCATION: Lake City, Columbia County, Florida

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO.
TI-8	3/18/09			
		-		



	PROJECT INFORM	IATION	6. 类的人的特殊	Contract of the Contract of th
ROJECT NAME:	Christ Central Ministries Additions		DATE:	9-Mar-09
ROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
ISPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-7
LIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
VSPECTION OF:  reinforcing steel/formwork  structural steel bolted connection  roof trusses/straps  grout/concrete placement  YPE OF ELEMENT:  footings  ground slab  column base plates  NSPECTION LOCATION  respected formwork & reinforcing steel  lab and footings at row I from line 2  lab and footings at row A from line	structural steel framing post-tensioned concrete sl proof sheathing and nailing other  pile reinforcing walls pile caps/grade beams beams elevated slab column  elet installation in ground slab and footing as let to 3 and 16' north. 2 to 3 and 16' south.	pattern [	reinforced concret other	el welds ing crete masonry
\ testing technician performed the re	quired concrete testing.			
Vork is complete.				
RESULTS OF INSPECTION:	above elements in general accordance with		Walter Walter	
work not complete, as noted	elements described below not in compliance	e with project requirem		2001 - 1700 CONTO
ARIANCES TO CONTRACT DRAWIN	GS/SPECIFICATIONS BY:	All Ministration	Freeman Design Gr	oup
	Jayan ilal Patel, P.E., Flor	3   31   09 ida Registration No. 340	187, Special Inspec	tor No. 2038



	PF	ROJECT INFORMATION	All Supplies Activities	ar and spatestic areas.
ROJECT NAME:	Christ Central Ministries Addi		DATE:	18-Mar-09
ROJECT LOCATION:	Lake City, Colombia County, F	lorida	PROJECT NO.	09G1801
VSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-8
LIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
NSPECTION OF:  reinforcing steel/formwork  structural steel bolted connection  roof trusses/straps  grout/concrete placement	spost-tens	I steel framing ioned concrete slab thing and nailing pattern	structural steel shoring/reshoring	9
footings ground slab column base plates	pile reinforcing pile caps/grade beams elevated slab	walls beams column	reinforced concrete r	nasonry walls
NSPECTION LOCATION	The state of the s	生活品的研究证明的		THE STATE OF THE S
irewall at line 4 from row A to I, hig one dowel is missing at south end of Vork is not complete.			ect above deficiency before g	prouting.
RESULTS OF INSPECTION:	▶ above elements in general	accordance with project requ	uirements	
work not complete, as noted			ct requirements, reinspection req	uired
ARIANCES TO CONTRACT DRAWIN	GS/SPECIFICATIONS BY:	TOTAL PORT OF THE DESIGNATION OF THE PROPERTY.	Freeman Design Group	<b>0</b>
	Jayantilal	21100	on No. 34087, Special Inspector	r No. 2038



	PROJECT IN	FORMATION	The state of the s	
'ROJECT NAME:	Christ Central Ministries Additions		DATE:	19-Mar-09
'ROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
NSPECTOR/INSPECTOR REPRESENTATIVE:	D. Wimpy		LAB NO.:	TI-9
LIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
Firewall begins 28' east of column line Nork is complete.  Disserved the placement of grout in a testing technician performed the results of the second technical	roof sheathing and nother  pile reinforcing pile caps/grade beams elevated slab  elevated slab  elevated slab  are A-4 to 80' north.  bove wall. equired concrete testing.	rete slab nailing pattern  walls beams column	structural steel shoring/reshoring reinforced concr reinforced concrete r other girder bolted	g ete masonry nasonry walls
Nork is complete.	s from row A to I and from line 1 to 4.			
work is complete.				
RESULTS OF INSPECTION:	above elements in general accordanc			
work not complete, as noted	elements described below not in com	pliance with project requirer	nents, reinspection req	uired
ARIANCES TO CONTRACT DRAWIN	GS/SPECIFICATIONS BY:		Freeman Design Group	0
	Javantilal Patel, P.F.	20 3 31 05, Florida Registration No. 34	) N87 Special Inspector	r No. 2029



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056 8 April 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made during on 3 April 2009 (Field Report No. TI-10). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

8 April 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO.
	1			



	PROJECT INFORMATION	100000000000000000000000000000000000000	· 1000年度東京社会公司
ROJECT NAME:	Christ Central Ministries Additions	DATE:	3-Apr-09
ROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO.	09G1801
VSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry	LAB NO.:	TI-10
LIENT:	Bryan Zecher Construction	PERMIT NO.:	27596
NSPECTION OF:  ▶ reinforcing steel/formwork  structural steel bolted connection  roof trusses/straps  grout/concrete placement	structural steel framing post-tensioned concrete slab roof sheathing and nailing pattern other	structural steel v shoring/reshoring reinforced concre	
footings ground slab column base plates	pile reinforcing walls pile caps/grade beams beams elevated slab column	reinforced concrete m  other fire wall	
NSPECTION LOCATION		ia marking artist artist	William Company of the Company of th
irewall from 5' south of column line	I-4 to 5' north of column line A-4 and 29' east of lin	ne 4.	
RESULTS OF INSPECTION:	▶ above elements in general accordance with project	t requirements	
work not complete, as noted	elements described below not in compliance with p	project requirements, reinspection requ	uired
ARIANCES TO CONTRACT DRAWIN	GS/SPECIFICATIONS BY:	Freeman Design Group	The state of the state of
	ARGTP1 4/8	09	SAS:



ASC Office:

366 SW Knox Street, Suite 103, Lake City, Florida 32025

#### PROJECT INFORMATION

SPECIMEN INFORMATION

PROJECT: Central Christ Ministries Additions LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

CONTRACTOR: Parrish Concrete

SUPPLIER: Columbia Ready Mix

DATE MOLDED:

DATE RECEIVED:

27-Feb-09

Building footer, between new building & existing building, from column line A-4, 30' east. Slab on grade, from column line A-4. 10' north x 30' east.

CONCRETE TEMPERATURE .: ATMOSPHERE TEMPERATURE:

REPRESENTATIVE LOCATION:

AIR CONTENT:

SLUMP:

WATER ADDED: WATER AUTHORIZED BY:

STRENGTH REQUIREMENT:

DESIGN MIX #:

61 °F 55

°F

7.5 gal(s).

in.

3,000 psi @ 28 days

3F

DATE:

27-Mar-09

PROJECT NO:

09G1003

LAB NO:

TECHNICIAN:

Daryn Wimpy

sunny

WEATHER CONDITIONS:

SPECIMEN TYPE:

cylinders

DIMENSIONS:

4 x 8

# OF SPECIMENS MOLDED: 5

SET #:

4

QUANTITY REP:

10.00

7:02 AM

TIME BATCHED:

7:45 AM

TIME MOLDED: CONCRETE TRUCK #:

40

CONCRETE TICKET #:

89333

ADD MIX:

#### STRENGTH INFORMATION

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods: C31 C39 C78 C172 C231 C173 C143 C192 C138 C1064 C1231 C617 C1019 C270 C780 C1314

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTU/	AL DIM (in.)	ENSION height)	AREA (in.²)	TOTAL LOAD (lbs)	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene capping)	CAPPING TYPE
A	7	6-Mar-09	4.00	X	8.00	12.57	36,130	2,870	N/A	neoprene
В	7	6-Mar-09	4.00	x	8.00	12.57	35,960	2,860	N/A	neoprene
С	28	27-Mar-09	4.00	х	8.00	12.57	52,670	4,190	N/A	neoprene
D	28	27-Mar-09	4.00	x	8.00	12.57	49,820	3,960	NIA	neoprene
								• indicates specin	nen did not meet sti	ength requirement
REMARKS/NOTES:								FRAC TYPE:		(1) CONE
								THACTIFE.		(2) CONE SHEAR
COPIES TO:	Bryan Zecher/Bryan Zech	er Construction								(3) SHEAR
	Harry Dicks/Columbia Cou	unty Building Department								(4) SPLIT
	Bill Freeman/Freeman Des	sion Group								(5) OTHER

tilal R. Patel, P.E., Florida Registration No. 34087



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

21 April 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find Threshold Inspection Report for the above-referenced project. This covers the inspection made 7 April 2009 (Field Reports Nos.: TI-11). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Jayantilal R. Patel, P.E.

Special Inspector No. 2038 Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

21 April 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
		*		
				-
				-
				-
				-
				1
		-		
		2		
				<u> </u>
				-



PROJECT NAME:	Christ Central Ministries Additions		DATE:	7-Apr-09
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-11
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement  TYPE OF ELEMENT:		7	structural steel shoring/reshorin reinforced conc	g
footings ground slab column base plates	pile reinforcing pile caps/grade beams elevated slab	walls beams column	reinforced concrete  other north canop	
INSPECTION LOCATION				Market Street Street (1984)
Work is not complete				
RESULTS OF INSPECTION:  work not complete, as noted	above elements in general acco			quired
VARIANCES TO CONTRACT DRAWING	SS/SPECIFICATIONS BY:	The second that a three second	Freeman Design Gro	up



ASC Office

366 SW Knox Street, Suite 103, Lake City, Florida 32025

89563

CONCRETE TICKET #:

ADD MIX:

- ALM DE CHICKENSEN	- C-1-171-22-ENG-RUNNING RUNNAH ARME	tapasirsestata variatita				
PROJECT INFORM	IATION	ministrative for			rasia national	
PROJECT:	Central Christ Ministries	Additions		DATE:	16	-Apr-09
LOCATION:	Lake City, Columbia Cou	nty, Florida		PROJECT NO:	09	G1003
CLIENT:	Bryan Zecher Constructi	on, Inc.		LAB NO:		11
CONTRACTOR:	Southpoint Masonry			TECHNICIAN:	Dary	n Wimpy
SPECIMEN INFOR	MATION					
The reference of the same of The second	SUPPLIER:	Columbia Read	y Mix	WEATHER CONDITIONS:		sunny
	DATE MOLDED:	19-Mar-09	70	SPECIMEN TYPE:	Cy	linders
	DATE RECEIVED:			DIMENSIONS:		4 x 8
REPRES	SENTATIVE LOCATION:	Firewall, cell fi	II, 28' east of colum	in line A-4 to 80' north. (O' to 12' height)		
CONC	RETE TEMPERATURE.:	71	°F	# OF SPECIMENS MOLDED:	5	
ATMOSF	PHERE TEMPERATURE:	72	°F	SET #:	6	
	AIR CONTENT:		%	QUANTITY REP:	9.00	yds
	SLUMP:	8.50	in.	TIME BATCHED:	10:01 AM	
	WATER ADDED:		gal(s).	TIME MOLDED:	11:20 AM	
WA	ATER AUTHORIZED BY:			CONCRETE TRUCK #:	62	

#### STRENGTH INFORMATION

STRENGTH REQUIREMENT:

DESIGN MIX #:

3,000

3PM

psi @ 28 days

unless otherwise noted, tests were performed in general accordance with the following ASTM test methods:

SPECIMEN NO.	TEST AT DAYS	DATE TESTED	ACTUAL DIMENSION (in.)																																														Ar		TOTAL LOAD	COMPRESSIVE STRENGTH (psi)	TYPE FRAC. (not applicable w/ neoprene	CAPPING TYPE
			( dia	x	height)				capping)																																													
Α	7	26-Mar-09	4.00	X	8.00	12.57	33,260	2,650	N/A	neoprene																																												
В	7	26-Mar-09	4.00	X	8.00	12.57	31,490	2,510	N/A	neoprene																																												
С	28	16-Apr-09	4.00	X	8.00	12.57	49,640	3,950	N/A	neoprene																																												
D	28	16-Apr-09	4.00	X	8.00	12.57	47,220	3,760	N/A	neoprene																																												
								* indicates specin	nen did not meet st	rength requiremen																																												
REMARKS/NOTES:								FRAC TYPE:		(1) CONE																																												
								THACTITE.		(2) CONE SHEAR																																												
COPIES TO:	Bryan Zecher/Bryan Zech	ner Construction								(3) SHEAR																																												
		unty Building Department								(4) SPLIT																																												
	Rill Froeman/Freeman Ne	sion Group				^				(5) OTHER																																												

Bill Freeman/Freeman Design Group

Jayantilal R. Patel, P.E., Florida Registration No. 34087



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056

28 April 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made during on 14 April 2009 (Field Report No. TI-12). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

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)

28 April 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
*				
				-
-				
-				



	PROJECT INFORMATION	
PROJECT NAME:	Christ Central Ministries Additions	DATE: 14-Apr-09
PROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO. 09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry	LAB NO.: TI-12
CLIENT:	Bryan Zecher Construction	PERMIT NO.: 27596
reinforcing steel/formwork reinforcing steel/formwork structural steel bolted connections roof trusses/straps grout/concrete placement  TYPE OF ELEMENT: footings ground slab column base plates  INSPECTION LOCATION  Inspected roof sheathing and nailing parts  North canopy roof from row I, 16' nor South canopy roof from row A, 16' so  Work is not complete	th between line 2 & 3. buth between line 2 & 3.	structural steel welds shoring/reshoring reinforced concrete masonry  reinforced concrete masonry walls other canopy roof
RESULTS OF INSPECTION:  work not complete, as noted	above elements in general accordance with project requirements  elements described below not in compliance with project requirer	ments, reinspection required
VARIANCES TO CONTRACT DRAWING		Freeman Design Group

Jayantilal Patel, P.E., Florida Registration No. 34087, Special Inspector No. 2038



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056 5 May 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made during on 22 April 2009 (Field Report No. TI-13). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Special Inspector No. 2038

Florida Registration No. 34087

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

5 May 2009

PROJECT: Christ Central Ministries Additions

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO.
TI-13	4/22/09	Column bases (2 nos. at north canopy and 2 nos. at south canopy) have been grouted but no concrete tests performed. Plans specify 3000 psi non-shrink grout (DWG. Sheet A-9). Engineer's approval is required.		

Figure 10-1(a) (Continued)

Hydraulic	Nameplate provided	1	If no, explain	
data nameplate		Yes No	1	9
Remarks	Date left in service with all cor	trol valves open	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Name of sprinkler contractor	The Prod	ection	
	anny	Tests	witnessed by	
Signatures	For property owner (signed)		Title	Date
	For sprinkler contractor (signe	d)	Title	Date
Additional explan	ations and notes			the second secon
				8
	000	0 /	4	
Dav	ed Boon &	3) Chry	17 Aug de	9
	0		7	



	THE PARTY OF THE P	ECT INFORMATION	DATE:	22 Apr 00
ROJECT NAME:	Christ Central Ministries Addition	//	PROJECT NO.	22-Apr-09
ROJECT LOCATION:				09G1801
ISPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-13
LIENT: Bryan Zecher Construction			PERMIT NO.:	27596
reinforcing steel/formwork reinforcing steel/formwork structural steel bolted connections roof trusses/straps grout/concrete placement rype of ELEMENT: footings ground slab column base plates INSPECTION LOCATION  North and South canopy roof: Inspected roof sheathing and nailing promotes and Line 2 to 3, 16' North From row A and Line 2 to 3, 16' South	pile reinforcing pile caps/grade beams elevated slab  pattern at canopy roof as listed	ed concrete slab  ng and nailing pattern  walls beams column	structural steel shoring/reshorin reinforced concrete other canopy roof	g ete masonry masonry walls
work not complete, as noted  VARIANCES TO CONTRACT DRAWIN  Column bases (2 nos. at north canop shrink grout (DWG. Sheet A·9). Engi	GS/SPECIFICATIONS BY: y and 2 nos. at south canopy) ha	ot in compliance with proje	ct requirements, reinspection re	up Andrews



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

23 September 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made during on 14 September 2009 (Field Report No. TI-15). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

Jayantilal R. Patel, P.E.

Special Inspector No. 2038

Florida Registration No. 34087

Tommy Bradshaw

Vice President

Project Manager

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

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

### THRESHOLD INSPECTION ACTION ITEM SUMMARY

23 September 2009

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO.
		· · · · · · · · · · · · · · · · · · ·		



	ppo ir	CT INFORMATION	Angle Constants to the second	valore a serie venezane e e e e e e e e e e e e e e e e e e
PROJECT NAME:	Christ Central Ministries Additions		DATE:	14-Sep-09
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry			
			LAB NO.:	TI-15
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:		177	structural steel shoring/reshorin reinforced conc reinforced concrete other	ng rete masonry
RESULTS OF INSPECTION:  work not complete, as noted  VARIANCES TO CONTRACT DRAWINGS	■ above elements in general according elements described below not in a system of the			<u>"                                     </u>

Jayantilal Patel, P.E., Florida Registration No. 34087, Special Inspector No. 2038

Figure 10-1(a) Contractor's material and test certificate for aboveground piping.

Contractor				-	11	and the second	-				
PROCEDURE Upon completion of All defects shall be	corrected a	nd system	I lett III 26	I AICA DEIOLE COLL		100000000000000000000000000000000000000					e.
A certificate shall be contractor. It is und workmanship, or fa							approvin n agains		owners, a	naterial, po	or
Property name	hnis		poper	1 11	53n85			Date	5/1	1107	
Property address	217	WC	Di	191 AR	, take	ity	12				$\dashv$
	Accepted	) lumb	ing autho	hities (names)	e Marshal	O.					
Plans	Installation conforms to accepted plans					_	×	Yes	No		
	Equipment used is approved If no, explain deviations					×	Yes	i j No			
10	Has perso to location of this new If no, exp	of control w equipme	ol valves a	equipment been and care and mai	instructed as intenance			×	Yes	No	
Instructions	Have con	ies of the	following	been left on the	premises?	0.000	A 248 FF - 19	×	Yes	No	)
*10				nstructions	• year previous of the survivors had an			3	Yes		
	2. Ca 3. NF		aintenançe	e instructions				× ×	Yes	□ N	
Location of system	-	buildings	2175	SW Dyal	Ave.						
				Madel	Year of manufacture	109 3	rifice size	Quantit	v :	Temperati rating	ıre
	MIL	Make		V K300	2008	1	a11	<b>国</b>	135	155	
Sprinklers	1.7	Cina		VK 302	2008		<b>A</b>	12.0	141	200	
Оринасто	In	CINON		VK900	2008		211	30		112	
	- //X	5'NJ0		VK SOO	3608	'4	511	Sy		133	
	+ V	Kill	2000	VK30	104403	Sicol	(0)				
Pipe and fittings	Type of f	ittings	Braze	moster,	victoritic,	garal					
	+			100000000000000000000000000000000000000				Maximum through t	time to op		
Alarm valve or		Туре		Alarm device Make	Mod	el		Minutes		Second	S
flow indicator	31	71-tec									
moreator	7/1	Ctaul	C								-
				Dry valve	1		Make	Q. C		Serial n	0
		Make		Model	Serial no.	+	IVIANO				
Dry pipe operating		Time throug	h test	Water pressure	Air pressure	Trip   air pre		read	water ched outlet <sup>1</sup>	Ala oper prop	ated
test			Seconds		psi	р	si	Minutes	Seconds	Yes	No
1/1/1/	Without Q.O.D.										
1011,	With Q.O.D.			ļ							
1 ' '	Q.O.D.	olain		1					Na or or being the		
	11 110, 67	Piani									

<sup>&</sup>lt;sup>1</sup> Measured from time inspector's test connection is opened

Figure 10-1(b) (Continued)

	All new underground piping hydrostatically	tested at	Joints covered	
Hydrostatic test	all new underground piping hydrostandamy	hours	Yes	No
Leakage	Total amount of leakage measured gallons	2 hours		+
test	Allowable leakage	hours		
Hydrand	Number installed Type and	1 make	All operate satisfactorily	No
Control	Water control valves left wide open If no, state reason		Yes	No
valves	Hose threads of fire department connection those of fire department answering alarm	ns and hydrants interchangeab	le with Yes	No
Remarks	Date left in service 412009			
	Name of installing contractor  The Third Fire	Roterdon Tests witnessed by		
Signatures	For property owner (signed)	Title	Date	
	For installing contractor (signed)	Title	Date	
dditional explan	ation and notes	Total area	71	
/	O PR	DivisionCh	il 17 Juno9	

### 10-2 Acceptance Requirements.

10-2.1\* Flushing of Piping. Fire service mains (from the water supply to the system riser) and lead-in connections to system risers shall be completely flushed before connection is made to sprinkler piping. The flushing operation shall be continued for a sufficient time to ensure thorough cleaning. The minimum rate of flow shall be not less than one of the following:

- The hydraulically calculated water demand rate of the system including any hose requirements
- (2) That flow necessary to provide a velocity of 10 ft/sec (3.1 m/sec) [see Table 10-2.1(2)]
- (3) The maximum flow rate available to the system under fire conditions

### 10-2.2 Hydrostatic Tests.

10-2.2.1\* All piping and attached appurtenances subjected to system working pressure shall be hydrostatically tested at 200 psi (13.8 bar) and shall maintain that pressure without loss for 2 hours. Loss shall be determined by a drop in gauge pressure or visual leakage. The test pressure shall be read from a gauge located at the low elevation point of the system or portion being tested.

Exception No. 1: Portions of systems normally subjected to system working pressures in excess of 150 psi (10.4 bar) shall be tested as de-

scribed in 104.2.1 at a pressure of 50 psi (3.5 bar) in excess of system working pressure.

Exception No. 2: Where cold weather will not permit testing with water, an interim air test shall be permitted to be conducted as described in 10-2.3.

Exception No. 3: Modifications affecting 20 or fewer sprinklers shall not require testing in excess of system working pressure.

Exception No. 4: Where addition or modification is made to an existing system affecting more than 20 sprinklers, the new portion shall be isolated and tested at not less than 200 psi (13.8 bar) for 2 hours.

Exception No. 5: Modifications that cannot be isolated, such as relocated drops, shall not require testing in excess of system working pressure.

Exception No. 6: In buried pipe, leakage shall be permitted as follows:

(a)\* The amount of leakage at the joints shall not exceed 2 qt/hr (1.89 1./hr) per 100 gaskets or joints, irrespective of pipe diameter.

- (b)\* The amount of allowable leakage specified in item (a) of this exception shall be permitted to be increased by 1 fluid ounce (30 ml) per inch valve diameter per hour for each metal seated valve isolating the test section.
- (c) If dry barrel hydrants are tested with the main valve open so the hydrants are under pressure, an additional 5 oz/min (150 ml/ min) of leakage shall be permitted for each hydrant.
- (d) The amount of leakage in buried piping shall be measured at the specified test pressure by pumping from a calibrated container.

Figure 10-1(b) Contractor's material and test certificate for underground piping.

Contract	or's Material and Test Certificate for Underground	d Piping						
All defects shall b	of work, inspection and tests shall be made by the contractor's representative and witness to corrected and system left in service before contractor's personnel finally leave the job.							
A certificate shall	be filled out and signed by both representatives. Copies shall be prepared for approving a nderstood the owner's representative's signature in no way prejudices any claim against co failure to comply with approving authority's requirements or local ordinances.	ontractor for fault	y material, poor					
Property name	Christ Central Ministres	8/17	199					
Property address	STION SITT THE CORP TITION TO							
	Address Address (Marsha)							
Plans	Installation conforms to accepted plans	Yes No						
	Equipment used is approved If no, state deviations	Yes Yes	∐ No					
	Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment?  If no, explain	Yes	No					
Instructions	Have copies of appropriate instructions and care and maintenance charts been left on premises?  If no, explain	Yes	[ ] No					
Location	Supplies buildings 27 SW () July							
Underground pipes and joints	Pipe types and class  Type joint  Pipe conforms to  Pipe conforms to  NFPAI3 standard  Fittings conforms to  NFPAI3 standard  If no, explain  Joints needed anchorage clamped, strapped, or blocked in	Yes Yes	No					
	accordance with NRPA13_ standard If no, explain							
Test description	Flushing: Flow the required rate until water is clear as indicated by no collection of foreig outlets such as hydrants and blow-offs. Flush at flows not less than 390 gpm (1476 L/mir (3331 L/min) for 6-in. pipe, 1560 gpm (5905 L/min) for 8-in. pipe, 2440 gpm (9235 L/min) (13,323 L/min) for 12-in. pipe. When supply cannot produce stipulated flow rates, obtain hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.8 bar) for 2 hour static pressure in excess of 150 psi (10.3 bar) for 2 hours.  Leakage: New pipe laid with rubber gasketed joints shall, if the workmanship is satisfacte the joints. The amount of leakage at the joints shall not exceed 2 quarts per hour (1.89 L of pipe diameter. The leakage shall be distributed over all joints. If such leakage occurs; shall be considered unsatisfactory and necessary repairs made. The amount of allowable be increased by 1 fluid ounce per inch valve diameter per hr. (30 mL/25 mm/hr) for each rest section. If dry barrel hydrants are tested with the main valve open so the hydrants are 5 ounces per minute (150 mL/min) leakage is permitted for each hydrant.	n) for 4-in, pipe, 8 for 10-in, pipe, a maximum availates or 50 psi (3.4 bory, have little or 1/hr) per 100 joints at a few joints, the leakage specific netal seated valve.	180 gpm od 3520 gpm ole. oar) above no leakage at a irrespective e installation ed above can e isolating the , an additional					
	New underground piping flushed according to	X Yes	. No					
Flushing ~	1	igh what type ope	.,,					
tests	Lead-ins flushed according to	X. Yes	Open pipe					
C	How flushing flow was obtained  Through Public water  Tank or reservoir  Through Y connection and spigot	igh what type open to flange	Open pipe					



### **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

01 October 2009

TO:

**Harry Dicks** 

Columbia County Building and Zoning

FROM:

David L. Boozer

Division Chief / Fire Marshal

RE:

Christ Central Ministries Permit # 000027596

217 SW Dyal Road

Lake City, Florida 32024

A Fire Safety Inspection was performed today of the Christ Central Ministries located at 217 SW Dyal Road. At the time of our Inspection we found that the said facility met the requirements as outlined in Chapter 12 of the Florida Fire Prevention Code, 2007 edition. I recommend approval.

Sincerely,

David L. Boozer

David S. Boger



27596

### **LABORATORY PROCTOR**

366 SW Knox St Ste 103 Lake City, Florida 32025 P: 386-755-1414

F: 386-755-8882

PROJECT: Christ Central Ministries Addition

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LOCATION SAMPLED: Phase II Building Pad, 1' Below Natural Ground.

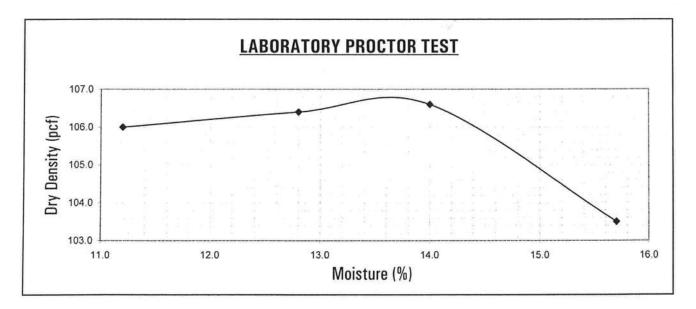
DATE: 27-Aug-09

09G1003 PROJECT NO:

LAB NO: 17B

DATE SAMPLED: 26-Aug-09

MATERIAL DESC: (ASTM/AASHTO):	Light brown poorly graded sand w/silt & organics (SP-SM)
	ASTM D 698 METHOD (AASHTO T 99), Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort
√	ASTM D 1557 METHOD A (AASHTO T 180), Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort



	Calculated	Reported
Maximum Dry Density (pcf):	106.6	106.6
Optimum Moisture Content (%):	14.0	14.0
Percent Passing #200 Sieve (%):	5.7	5.7

COPIES TO: Bryan Zecher/Bryan Zecher Construction Harry Dicks/Columbia County Building Department Bill Freeman/Freeman Design Group



Mr. Bryan Zecher
Bryan Zecher Construction, Inc.
P.O. Box 815, 465 NW Orange Street
Lake City, Florida 32056

30 September 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made during on 25 September 2009 (Field Report No. TI-16). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

ayantilal R. Patel, P.E.

Special Inspector No. 2038

Florida Registration No. 34087

tel P.E 9/30/09

Vice President

Project Manager

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

### THRESHOLD INSPECTION ACTION ITEM SUMMARY

30 September 2009

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
				-
		***************************************		
-				-
				-
			,	



	PROJECT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions · Phase II	DATE:	25-Sep-09
PROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry	LAB NO.:	TI-16
CLIENT:	Bryan Zecher Construction	PERMIT NO.:	27596
INSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement  TYPE OF ELEMENT:  footings  ground slab  column base plates  INSPECTION LOCATION	structural steel framing post-tensioned concrete slab roof sheathing and nailing pattern other  pile reinforcing walls pile caps/grade beams elevated slab column		
Monitored and inspected reinforcing st Footings for east end expansion. Work is not complete.	eel installation in footings as listed below.		8
RESULTS OF INSPECTION:	above elements in general accordance with project requirement	s	
work not complete, as noted	elements described below not in compliance with project requir	ements, reinspectio	n required
ARIANCES TO CONTRACT DRAWINGS	SPECIFICATIONS BY:	Freeman Design	Group
	Jayantilal Patel, P.E., Florida Registration No. 3		ector No. 2038



### FIELD DENSITY REPORT

ASC Lakeland: 20 Lake Wire Drive, Suite 200, Lakeland, Florida 33815

Page

1 of 1

PROJECT INFORMATION

PROJECT:

**Christ Central Ministries Additions** 

DATE:

30 September 2009

LOCATION:

Lake City, Columbia County, Florida

PROJECT NO:

09G1003

CLIENT:

LAB NO:

18

CONTRACTOR:

Bryan Zecher Construction, Inc. Bryan Zecher Construction, Inc.

TECHNICIAN:

D. Wimpy

TEST NUMBER	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY Density	LAB Proctor Density	TEST DATE:	25-Sep-09
		(%)	(lb/ft <sup>3</sup> )	(lb/ft <sup>3</sup> )	ATTAINED	REQUIRED
	Phase 2 Addition, Column Pads & Elevator Pit					
29	From SE Corner of Existing Building, 23' North x 4' East (BOF)	6.9	101.2	106.6	95	95
30	From SE Corner of Existing Building, 1' North x 1' East (BOF)	7.8	101.4	106.6	95	95
31	From SE Corner of Existing Building, 20' East x 2' North (BOF)	8.2	102.0	106.6	96	95
32	From SE Corner of Existing Building, 40' East x 1' North (BOF)	7.1	101.8	106.6	95	95
33	From SE Corner of Existing Building, 40' East x 22' North (BOF)	7.7	101.8	106.6	95	95

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

Anna Delegation of the	and the second second	and the Desire Contract
	ALIEN MES	E CONTRACTOR OF THE PARTY OF TH

OMC %	LAB MAX. DENSITY (Ib/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
14.0	106.6		√	5.7
	%	% (lb/ft³)	% (Ib/ft³) T 99	% (lb/ft³) T 99 T 180

Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

2. Harry Dicks/Columbia County Building Department

3. Bill Freeman/Freeman Design Group

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. BOF = Bottom of Footing.



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street Lake City, Florida 32056

7 October 2009

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

**Dyal Road** 

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made on 29 September 2009 through 2 October 2009 (Field Report No. TI-17 through TI-19). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

antilal R. Patel, P.E.

Special Inspector No. 2038

Florida Registration No. 34087

Tommy Bradshaw Vice President

Project Manager

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

### THRESHOLD INSPECTION ACTION ITEM SUMMARY

7 October 2009

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO



<b>《</b> 集》:"是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	PROJECT INFORMATION		THE STATE OF THE PARTY OF THE
PROJECT NAME:	Christ Central Ministries Additions - Phase II	DATE:	29-Sep-09
PROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry	LAB NO.:	TI-17
CLIENT:	Bryan Zecher Construction	PERMIT NO.:	27596
INSPECTION OF:  reinforcing steel/formwork  structural steel bolted connections  roof trusses/straps  grout/concrete placement  TYPE OF ELEMENT:  footings  ground slab  column base plates  INSPECTION LOCATION	structural steel framing  post-tensioned concrete slab  roof sheathing and nailing pattern  other  pile reinforcing  pile caps/grade beams  elevated slab  column  seel installation in footings as listed below.	structural steel welds shoring/reshoring reinforced concrete mas	
Footings for load bearing wall at Sanct	-		
RESULTS OF INSPECTION:  work not complete, as noted	above elements in general accordance with project requirements elements described below not in compliance with project requirem	nents. reinspection required	
VARIANCES TO CONTRACT DRAWINGS		Freeman Design Group	
		acoga gloup	

Javantilal Patel, P.E., Florida Registration No. 34087, Special Inspector No. 2038



4. 2. 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PRO IEC	TINFORMATION		
PROJECT NAME:	Christ Central Ministries Additions -		DATE:	30-Sep-09
PROJECT LOCATION:	Lake City, Colombia County, Florida	No.	PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-18
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
マルビスでは、1000mmを全体が発展がある。 マルビスでは、1000mmでは、1000mmである。 マルビスでは、1000mmでは、1000m	THE PERSONAL PROPERTY OF THE	STANDARD STANDARD	TESSES CORP. We see service 10%	
INSPECTION OF:  □ reinforcing steel/formwork  □ structural steel bolted connections  □ roof trusses/straps  □ grout/concrete placement	structural steel post-tensioned o roof sheathing a other		structural steel shoring/reshorin reinforced concr	g
TYPE OF ELEMENT:    footings   ground slab   column base plates	pile reinforcing pile caps/grade beams elevated slab	walls beams column	reinforced concrete r	masonry walls
INSPECTION LOCATION		PERSONAL PROPERTY.	经成品的制度。	在主动社会5. 新生54. 种类56.
Monitored and inspected reinforcing st Footings at Staduim Seating along the Observed the placement of concrete in A testing technician performed the requ	perimeter. the above footings. uired concrete testing.			
RESULTS OF INSPECTION:	above elements in general accord			
work not complete, as noted	elements described below not in	compliance with project req	uirements, reinspection red	quired
VARIANCES TO CONTRACT DRAWINGS	SPECIFICATIONS BY:		Freeman Design Group	p

avantilal Patel, P.E., Florida Registration No. 34087, Special Inspector No. 2038



	PROJEC	T INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions -	The second secon	DATE:	2-0ct-09
PROJECT LOCATION:	Lake City, Colombia County, Florida		PROJECT NO.	09G1801
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry		LAB NO.:	TI-19
CLIENT:	Bryan Zecher Construction		PERMIT NO.:	27596
INSPECTION OF:  □ reinforcing steel/formwork □ structural steel bolted connections □ roof trusses/straps □ grout/concrete placement  TYPE OF ELEMENT: □ footings □ ground slab □ column base plates  INSPECTION LOCATION  Monitored and inspected reinforcing states  Footings at proposed Portico Column as a plate of the proposed Portico Column and the proposed Portico Column as a plate of the proposed Portico	roof sheathing a other  pile reinforcing pile caps/grade beams elevated slab  eel installation in footings as liste  nd Drive	walls beams column delow.	structural steel shoring/reshoring reinforced concr	g ete masonry
work not complete, as noted	<ul> <li>above elements in general accord</li> <li>elements described below not in</li> </ul>			uired
VARIANCES TO CONTRACT DRAWINGS		, and a second requirement of the second req	Freeman Design Group	
	ì			

ayantilal Patel, P.E., Florida Registration No. 34087, Special Inspector No. 2038



Mr. Bryan Zecher Bryan Zecher Construction, Inc. P.O. Box 815, 465 NW Orange Street

Lake City, Florida 32056

Subject:

Threshold Inspection Reports

Christ Central Ministries Addition - Phase II

Dyal Road

Lake City, Columbia County, Florida

Permit No.: 27596

ASC Project: 09G1801

ASC Document No. 090095L

Dear Mr. Zecher:

Enclosed please find a Threshold Inspection Report for the above-referenced project. This covers the inspection made on 6 October 2009 (Field Report No. TI-20). An Action Item Summary is attached to this cover letter.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ASC geosciences, inc.

layantilal R. Patel, P.E.

Special Inspector No. 2038

Florida Registration No. 34087

Tommy Bradshaw

14 October 2009

Vice President

Project Manager

Copies to:

1 - Mr. Bryan Zecher / Zecher Construction

1 - Columbia County Building Department

2 - ASC Lake City & ASC Lakeland

### THRESHOLD INSPECTION ACTION ITEM SUMMARY

14 October 2009

PROJECT: Christ Central Ministries Additions - Phase II

ASC PROJECT NO.: 09G1801

LOCATION: Lake City, Columbia County, Florida

CLIENT: Bryan Zecher Construction, Inc.

LAB NO.	DATE	ACTION ITEM	DATE CORRECTED	LAB NO
TI-20	5 Oct-09	Due to addition of 30 gallons of water in concrete at site by concrete subcontractor, 7-1/2" slump is obtained instead of 5" maximum slump as indicated on approved drawings. Engineer on Record's approval is required.		
		,		



	PROJECT INFORMATION		
PROJECT NAME:	Christ Central Ministries Additions - Phase II	DATE: 5-Oct-09	
PROJECT LOCATION:	Lake City, Colombia County, Florida	PROJECT NO. 09G1801	
INSPECTOR/INSPECTOR REPRESENTATIVE:	J. Curry	LAB NO.: TI-20	
CLIENT:	Bryan Zecher Construction	PERMIT NO.: 27596	
INSPECTION OF:		structural steel welds shoring/reshoring reinforced concrete masonry reinforced concrete masonry walls other	
<u> </u>	above elements in general accordance with project requirements		
work not complete, as noted	elements described below not in compliance with project requirem		Charge Tel Sen
VARIANCES TO CONTRACT DRAWINGS	SISPECIFICATIONS BY:	Freeman Design Group	显症(数)
Due to addition of 30 gallons of water indicated on approved drawings. Engin	in concrete at site by concrete subcontractor, 7-1/2" slump is o eer on Record's approval is required.	obtained instead of 5" maximum slump as	

Jayantilal Patel, P.E., Florida Registration No. 34087, Special Inspector No. 2038



### FIELD DENSITY REPORT

ASC Lake City: 366 SW Knox Street, Suite 103, Lake City, Florida 32025

Page

1 of 1

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PROJECT: Christ Central Ministries Additions

DATE:

6 October 2009

LOCATION: Lake

Lake City, Columbia County, Florida

PROJECT NO:

09G1003

CLIENT: B

Bryan Zecher Construction, Inc.

LAB NO:

19

CONTRACTOR:

Bryan Zecher Construction, Inc.

TECHNICIAN:

B. Zidzic

				TEST DATE:	28-Sep-0
TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY	LAB PROCTOR DENSITY	COMPACT	ION PERCENT
	(%)	(lb/ft <sup>3</sup> )	(lb/ft <sup>3</sup> )	ATTAINED	REQUIRED
Spread Footers & Linear Footings					
Row F & Column Line 1 (BOF)	5.2	106.7	106.6	100	98
Row E & Column Line 1 (BOF)	4.3	106.6	106.6	100	98
Row D & Column Line 1 (BOF)	5.2	106.2	106.6	100	98
Row C & Column Line 1 (BOF)	5.4	104.5	106.6	98	98
Row B & Column Line 1 (BOF)	4.7	105.5	106.6	99	98
Row A & Column Line 1 (BOF)	7.0	104.0	106.6	98	98
Row A & Column Line 2 (BOF)	4.9	106.9	106.6	100	98
At Column Line 1 and From Row D, 5' West (BOF)	4.7	106.6	106.6	100	98
	Spread Footers & Linear Footings  Row F & Column Line 1 (BOF)  Row E & Column Line 1 (BOF)  Row D & Column Line 1 (BOF)  Row C & Column Line 1 (BOF)  Row B & Column Line 1 (BOF)  Row A & Column Line 1 (BOF)	COCATION   FIELD   MOISTURE (%)	COCATION   FIELD   MOISTURE (%)   DENSITY	COCATION   FIELD   IN-PLACE DRY   DENSITY   DENSITY   (lb/ft³)   (lb/ft³)	COMPACT   COMP

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

### LAB INFORMATION

				LAB TEST		
PROCTOR Number	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
17B	Light brown poorly graded sand w/silt & organics (SP-SM)	14.0	106.6		V	5.7

Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

2. Harry Dicks/Columbia County Building Department

3. Bill Freeman/Freeman Design Group

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. BOF - Bottom of Footing.

yantilal R. Patel, P.E., Florida Registration No. 34087



### FIELD DENSITY REPORT

ASC Lake City: 366 SW Knox Street, Suite 103, Lake City, Florida 32025

Page

1 of 1

PROJECT INFORMATION

**Christ Central Ministries Additions** PROJECT:

DATE:

6 October 2009

LOCATION:

Lake City, Columbia County, Florida

**PROJECT NO:** 

09G1003 21

CLIENT:

Bryan Zecher Construction, Inc.

LAB NO:

CONTRACTOR	: Bryan Zecher Construction, Inc.			TECHNICIAN:	D. 1	Wimpy
FIELD DENSITY	INFORMATION					
					TEST DATE:	1-0ct-09
TEST Number	TEST LOCATION	FIELD MOISTURE	IN-PLACE DRY DENSITY	LAB Proctor Density	COMPACT	ION PERCENT
		(%)	(lb/ft <sup>3</sup> )	(lb/ft <sup>3</sup> )	ATTAINED	REQUIRED
	Phase 1, Covered Entry, Slab on Grade & Column Pads					
42	From Column Line A-3, 8' South x 12' West (SOG)	10.6	106.6	108.8	98	95
43	From Column Line A-3, 16' South (BOF)	9.4	107.1	108.8	98	95
44	From Column Line A-2, 16' South (BOF)	9.5	106.9	108.8	98	95

Tests performed in general accordance with ASTM D2922, ASTM D2937 & ASTM D1556

### LAB INFORMATION

for strong is to continue to the	De anno 1996 (Contractor Contractor Contract			LAB TEST		
PROCTOR NUMBER	MATERIAL DESCRIPTION (Unified Soil Classification System)	OMC %	LAB MAX. DENSITY (lb/ft³)	STD. D698/ T 99	MOD. D1557/ T 180	PASSING #200 SIEVE (%)
1B	Brown poorly graded sand w/silt (SP-SM)	12.5	108.8		√	6.1

Copies: 1. Mr. Bryan Zecher, Bryan Zecher Construction, Inc.

2. Harry Dicks/Columbia County Building Department

3. Bill Freeman/Freeman Design Group

NOTES: 1. Test Reports shall not be reproduced except in full.

2. Test Reports reported herein relate only to material actually tested.

3. SOG = Slab on Grade.

4. BOF - Bottom of Footing.

antilal R. Patel, P.E., Florida Registration No. 34087

Notice of Treatment
Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)  Address: 536 56 Baya DR  City Lake City Phone 752-1703
Site Location: Subdivision  Lot #Block#Permit #_ 27596
Address Z175W Dyal L.C.
Product used Active Ingredient % Concentration
Premise Imidacloprid 0.1%
☐ Termidor Fipronil 0.12%
☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%
Type treatment:
Area Treated Square feet Linear feet Gallons Applied  Aprons 1500 70  160
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
3/5/09 12:15 David F236 Date Time Print Technician's Name
Remarks:
Applicator - White Permit File - Canary Permit Holder - Pink

ADD to

P	J	n	ti	C	2 (	\f	T	7	00	tm	ent
- 44	•			B B				-			

Applicator: Florida Po Address: 536 SE City	est Control & Chemical Phone	Co. (www.flapest.com)
Site Location: Subdivis Lot #Block Address	c#Permit #_	27596
Product used	Active Ingredient	% Concentration
Premise	Imidacloprid	0.1%
☐ <u>Termidor</u>	Fipronil	0.12%
□ Bora-Care D	isodium Octaborate Tet	rahydrate 23.0%
Type treatment:	Soil W	7ood
Area Treated DITION	Square feet Linea 320	r feet Gallons Applied
	ed, final exterior treatmen	nemical barrier method for not shall be completed prior
If this notice is for the fi	nal exterior treatment, in	itial this line
2/26/09	0800 Fz	254 GUNNY
Date	Time Pr	rint 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 Average  City Phone 52-1703						
Site Location: Subdivision  Lot # Block# Permit # 27596  Address 217 5W DYAL RA						
Product used Active Ingredient % Concentration  Premise Imidacloprid 0.1%						
☐ Termidor Fipronil 0.12%						
Bora-Care Disodium Octaborate Tetrahydrate 23.0%						
Type treatment:						
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  2-6-09 0900 F254 64wy						
Date Time Print Technician's Name						
Remarks:						
Applicator - White Permit File - Canary Permit Holder - Pink						

# CHRIST CENTRAL MINISTRIES

DYAL ROAD, LAKE CITY COLUMBIA COUNTY, FLORIDA

CHRIST CENTRAL MINISTRIES
STORAGE BUILDING - NEW CONSTRUCTION
42.60± ACRES
PROJECT LOCATION:
DYAL ROAD, LAKE CITY, FLORIDA
PARCEL IDS: #26-45-16-03189-001
SECTION 26, TOWNSHIP 4 S, RANGE 16 E
ZONING: AGRICULTURAL (A-3)
EXISTING USE: CHURCH
FUTURE LAND USE PLAN MAP CATEGORY: AGRICULTURAL
FUTURE LAND USE PLAN MAP CATEGORY: AGRICULTURAL

NDEX OF

DRAWINGS

2222222

GENERAL NOTES
MASTER SITE PLAN
DEMOLITION PLAN
DIMENSION PLAN
PAVING & GRADING PLAN
SITE DETAILS (1 OF 2)
SITE DETAILS (2 OF 2)

Development Information:

### MOLY Yorkto Ct AVE. 13 Selvous Ter. -Du Boyette Barwick Roh Mti j Carr J. Ro 28 S Green Compa Rd. 공민 to Gunox 13 Noc Way Snì 8 回 П eard 17

PLANS PREPARED FOR:

CHRIST CENTRAL MINISTRIES LOCAL CONTACT: PASTOR LONNIE JOHNS P.O. BOX 1703 LAKE CITY, FLORIDA 32056 (386) 755-2525

ENGINEER AND PLANNER:

Freeman

LAKE CITY, FL. 32025

Design Group (386) 758-4209

CERTIFICATE OF AUTHORIZATION # 000008701

NOTE: THE SCALE OF THESE PLANS MAY HAVE BEEN CHANGED DUE TO REPRODUCTION

LOCATION MAP

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PROJECT LOCATION

E. NO: 56001

APPROVED DUPLICATE PLANS
SUWANNEE RIVER WATER

MANAGEMENT DISTRICT REVIEWER INITIALS:

## GENERAL PROJECT DATA

FOR IDENTIFICATION OF CONTRACTUAL AGREEMENTS, THIS SET OF DRAWINGS IS DATED AS SHOWN. ANY REVISIONS THEREAFTER WILL BE NOTED AND DATED ON THE AFFECTED

THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS TO THESE UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE START OF THE UTILITY COMPANY, ALL UTILITIES THAT INTERFERE WITH THE PLANS OR LOCATED BY THE UTILITY COMPANY, ALL UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OP VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR SHALL PERFORM ALL WORK PERTAINING TO DRAINAGE INCLUDING EXCAVATION OF WRA'S PRIOR TO THE COMMENCEMENT OF OTHER WORK INCLUDED IN THESE PLANS. THE DRAINAGE FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR DURING THE COURSE OF THIS CONTRACT. THE CONTRACTOR SHALL INCLUDE FUNDS IN THE DRAINAGE COSTS OF THE CONTRACT TO OPERATE AND MAINTAIN THE DRAINAGE SYSTEMS DURING THE WORK PROCESS.

THE CONTRACTOR IS TO OBTAIN A COPY OF THAT SOILS REPORT FOR REVIEW PRIOR TO CONSTRUCTION; AND THE CONSTRUCTION IS TO CONFORM TO THE RECOMMENDATIONS IN THAT REPORT.

PERMITS AND PERMIT REQUIREMENTS
THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF ALL REGULATORY AND LOCAL AGENCY PERMITS. THE CONTRACTOR SHALL BE EXPECTED TO REVIEW AND ABIDE BY ALL THE REQUIREMENTS AND LIMITATIONS SET FORTH IN THE PERMITS. A COPY OF THE PERMIT SHALL BE KEPT ON THE JOB AT ALL TIMES. AS-BUILTS
AS-BUILTS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER TWO WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED, AND DATED BY THE RESPONSIBLE PARTY. SEE INDIVIDUAL SECTIONS (STORM, WATER SYSTEM, ETC.) FOR ADDITIONAL AS-BUILT REQUIREMENTS.

UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL PROVIDE FOR THE LAYOUT OF OF THE WORK TO BE CONSTRUCTED. BENCHMARK INFORMATION SHALL BE PROVIDED TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. CONTRACTOR BY THE OWNER OR OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ALL

## QUALITY CONTROL TESTING REQUIREMENTS

ALL TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR, COUNTY, AND THE ENGINEER. TESTING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE OWNER/OPERATOR'S SPECIFICATIONS AND REQUIREMENTS. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS. CONTRACTOR SHALL PROVIDE TESTING PRIOR TO COMMENCING TESTING SERVICES THROUGH A FLORIDA LICENSES GEOTECHNICAL ENGINEERING FIRM ACCEPTABLE TO THE OWNER AND ENGINEER. CONTRACTOR TO SUBMIT TESTING FIRM TO OWNER FOR APPROVAL

SHOP DRAWINGS AND CERTIFICATIONS FOR ALL STORM DRAINAGE, WATER SYSTEM, SEWER SYSTEM, AND PAVING SYSTEM MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION.

EROSION AND SILTATION CONTROL MEASURES ARE TO BE PROVIDED AND INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THESE MEASURES ARE TO BE INSPECTED BY THE CONTRACTOR ON A REGULAR BASIS AND ARE TO BE MAINTAINED OR REPAIRED ON AN IMMEDIATE BASIS, AS REQUIRED. REFER TO WATER MANAGEMENT DISTRICT PERMIT FOR

EARTHWORK QUANTITIES
THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS
NECESSARY TO ASSURE HIMSELF OF EARTHWORK QUANTITIES. THERE IS NO IMPLICATION THAT
EARTHWORK BALANCES, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IMPORT FILL
NEEDED, OR FOR REMOVAL AND DISPOSAL OF EXCESS MATERIALS.

# ADDITIONAL REQUIREMENTS FOR EROSION CONTROL AND SURFACE DRAINAGE.

LIMITS OF DISTURBANCE
AT NO TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVEL ON
SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. REPAIR
OR RECONSTRUCTION OF DAMAGED AREAS ON SURROUNDING PROPERTIES SHALL BE PERFORMED
BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE
RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION SHALL BE PROVIDED.

## GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER WHEN ALL WORK IS LAID OUT (SURVEY STAKED), SO THAT A DETERMINATION MAY BE MADE OF SPECIFIC TREES TO BE REMOVED, NO TREES SHOWN ON THE CONSTRUCTION PLANS AS BEING SAVED SHALL BE REMOVED WITHOUT PERMISSION FROM THE OWNER AND ENGINEER.

NOTE:
THE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANS FOR TREE
BARRICADING INFORMATION.

SCREENING:
WALLS AND FENCES SHALL BE LANDSCAPED ALONG THE ENTIRE EXTERIOR WALLS AND FENCES SHALL BE LANDSCAPED ALONG THE ENTIRE EXTERIOR SIDE SO THAT ONE-THIRD OR MORE OF THE VERTICAL FACE OF THE FENCE OR WALL IS SCREENED BY PLANTINGS. THE APPLICANT SHALL BE REQUIRED TO DEMONSTRATE PROVISION FOR ACCESS AND MAINTENANCE OF LANDSCAPING AT THE TIME OF LANDSCAPE OR PLANTING PLAN APPROVAL.

CLEARING AND GRUBBING
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING AND GRUBBING FOR SITE
THE CONSTRUCTION NCLUDING CLEARING FOR PAVING, UTILITIES, DRAINAGE FACILITIES AND
BUILDING CONSTRUCTION. ALL AREAS TO BE CLEARED SHALL BE FIELD STAKED AND
REVIEWED BY THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION.

MATERIAL STORAGE/DEBRIS REMOVAL
ALL MATTERIALS EXCAVATED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE
STOCKPILED ATT ON-SITE LOCATIONS AS SPECIFIED BY THE OWNER, MATERIALS SHALL BE
STOCKPILED SEPARATELY AS TO USABLE (NONORGANIC) FILL STOCKPILES AND ORGANIC (MUCK)
STOCKPILES IF MUCK IS ENCOUNTERED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE
REMOVAL OF ALL UNSUITABLE FILL MATERIALS FROM THE SITE. ALL CLAY ENCOUNTERED
SHALL BE EXCAVATED OUT AND REPLACED WITH CLEAN GRANULAR FILL MATERIALS.

FILL MATERIAL
ALL FILL MATERIALS SHALL CONTAIN NO MUCK, STUMPS, ROOTS, BRUSH, VEGETATIVE MATTER, RUBBISH OR OTHER MATERIAL THAT WILL NOT COMPACT INTO A SUITABLE AND ENDURING BACKFILL. FILL SHALL BE CLEAN, NON-ORGANIC, GRANULAR MATERIAL WITH NOT MORE THAN 10% PASSING THE NO. 200 SIEVE.

COMPACTION
FILL MATERIALS PLACED UNDER ROADWAYS SHALL BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DENSITY AS SPECIFIED IN AASHTOT-180. ALL OTHER FILL AREAS ARE TO BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. FILL MATERIALS SHALL BE PLACED AND COMPACTED IN A MAXIMUM OF 12" LIFTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND COMPACTED IN A MAXIMUM OF 12" LIFTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND COMPACTED IN A MAXIMUM OF 12" LIFTS. THE CONTRACTOR SHALL BE PROVIDED ON A TIMELY AND REGULAR BASIS PRIOR TO CONTRACTOR'S PAY REQUEST SUBMITTAL FOR THE AFFECTED WORK.

# PAVEMENT AND/OR ROAD AND R/W WORK

ADJUSTMENTS IN THE CENTERLINE GRADES TO ACCOMPLISH THE PURPOSES OUTLINED. IN ADDITION, THE STANDARD CROWN WILL HAVE TO BE CHANGED IN ORDER TO DRAIN POSITIVELY IN THE AREA OF INTERSECTIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH THE ABOVE AND THE ENGINEER SHALL BE CONSULTED SO THAT HE MAY MAKE ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS. PROVIDE A SMOOTHLY TRANSITIONED DRIVING SURFACE FOR VEHICLES WITH NO SHARP BREAKS IN GRADE, AND NO UNUSUALLY STEEP OR REVERSE CROSS SLOPES. APPROACHES TO INTERSECTIONS AND ENTRANCE AND EXIT GRADES TO INTERSECTIONS WILL HAVE TO BE STAKED IN THE FIELD AT DIFFERENT GRADES THAN THE CENTERLINE GRADES SHOWN ON THE PLANS. IN THESE AREAS, IT MAY ALSO BECOME ADVISABLE TO MAKE MINOR LOCAL FIELD GENERAL DESIGN INTENT
ALL PAVING SURFACES IN INTERSECTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY IN THE DIRECTION SHOWN BY THE FLOW ARROWS ON THE PLANS AND TO

MATERIALS/CONSTRUCTION SPECIFICATIONS

MATERIALS AND CONSTRUCTION METHODS FOR THE ROADWAY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

PAVEMENT SECTION REQUIREMENTS
CONSTRUCTION OF ROADWAYS SHALL BE 8° OF STABILIZED SUBBASE WITH A LIMEROCK BEARING
CONSTRUCTION OF ROADWAYS SHALL BE 8° OF STABILIZED SUBBASE WITH A LIMEROCK BEARING
RATIO OF (LBR) 40 COMPACTED TO THE MODIFIED PROCTOR
AASHTO T-180, 8° OF LIMEROCK BASE COURSE, (LBR) 100, COMPACTED TO THE MODIFIED PROCTOR
MAXIMUM DRY DENSITY OF 88% PER AASHTO T-180 AND 1 1/4" TYPE S-1 OF VIRGIN ASPHALTIC
CONCRETE SURFACE COURSE WITH A MINIMUM STABILITY OF 1500 LBS. SUBGRADE PREPARATION AND PAVEMENT INSTALLATION SHALL CONFORM TO FDOT STANDARDS AND SOILS REPORT

SIDEWALKS ARE TO BE CONSTRUCTED IN THE AREAS AS SHOWN ON THE CONSTRUCTION PLANS. THE 5' SIDEWALK SHALL BE CONSTRUCTED OF 4' OF CONCRETE WITH A 28-DAY COMPRESSION STRENGTH OF 2500 PSI. JOINTS SHALL BE EITHER TOOLED OR SAWCUT AT A DISTANCE OF 5' LENGTHS, HANDICAPPED RAMPS SHALL BE PROVIDED AT ALL INTERSECTIONS AND BE IN ACCORDANCE WITH STATE REGULATIONS FOR HANDICAP ACCESSIBILITY. SIDEWALKS
SIDEWALKS ARE TO BE CONSTRUCTED IN THE AREAS
THE 5' SIDEWALK SHALL BE CONSTRUCTED OF 4" OF

PAVEMENT MARKINGS AND SIGNAGE SHALL BE PROVIDED AS SHOWN ON THE CONSTRUCTION PLANS AND SHALL MEET THE REQUIREMENTS OF THE OWNER/OPERATOR. SIGNAGE SHALL BE IN CONFORMANCE WITH MUTCD (LATEST EDITION), A 48-HOUR PAVEMENT CURING TIME WILL BE PROVIDED PRIOR TO APPLICATION OF THE PAVEMENT MARKINGS. REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH FDOT INDEX NO. 17352.

TRAFFIC CONTROL

A MINIMUM OF 2-WAY ONE LANE TRAFFIC SHALL BE MAINTAINED IN THE WORK SITE AREA. ALL
CONSTRUCTION WARNING SIGNAGE SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF
CONSTRUCTION AND BE MAINTAINED THROUGHOUT CONSTRUCTION. ACCESS SHALL BE
CONTINUOUSLY MAINTAINED FOR ALL PROPERTY OWNERS SURROUNDING THE WORK SITE AREA.
LIGHTED WARNING DEVICES ARE TO BE OPERATIONAL PRIOR TO DUSK EACH NIGHT DURING
CONSTRUCTION.

**CHRIST CENTRAL** 

**MINISTRIES** 

CURBING
CURBING
CURBING SHALL BE CONSTRUCTED WHERE NOTED ON THE CONSTRUCTION PLANS, CONCRETE
FOR CURBS SHALL BE DEPARTMENT OF TRANSPORTATION CLASS "1" CONCRETE WITH A 28-DAY
COMPRESSION STRENGTH OF 2500 PSI. ALL CURBS SHALL HAVE SAW CUT CONTRACTION JOINTS
AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10-0" ON CENTER, CONSTRUCTION
OF CURBS SHALL BE IN CONFORMANCE WITH FOOT STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION (1991) SECTION \$20 AND DETAILS PROVIDED ON THE CONSTRUCTION

RIW RESTORATION

ALL AREAS WITHIN THE RIGHT-OF-WAY SHALL BE FINISH GRADED WITH A SMOOTH TRANSITION INTO EXISTING GROUND. ALL SWALES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL INTO EXISTING GRADING. ALL DISTURBED AREAS SHALL BE STAKED CLEAN OF ALL LIMEROCK AND ROCKS AND SODDED AFTER FINAL GRADING IN ACCORDANCE WITH THE CONSTRUCTION PLANS PRIOR TO FINAL INSPECTION. ALL GRASSING (SEED OR SOD) SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE OWNER/OPERATOR.

SITE ACCESS
ALL ACCESS TO THE JOB-SITE FOR CONSTRUCTION,
SHALL BE BY EXISTING STREETS AND ROADS, OR BY
EASEMENT. THE CONSTRUCTION

CONSTRUCTION NOTES:
THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE DOB 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 SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.

NOV 21 200

128 SW NASSAU STREET

LAKE CITY, FL. 32025

(386) 758-4209

RECEIVED SRWMD

# THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCT ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL GENERAL PUBLIC. TION SITE IN A SECURE MANNETURE IN ALL TO FILE. BE PROTECTED FROM ACCESS BY FAILURAL TO FILE.

ALL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION.

THE STORMWATER BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 408-4 F.A.C.

THE RETENTION BASIN SHALL BE CONSTRUCTED INIT TRAP DURING CONSTRUCTION. IALLY TO SERVE AS A SEDIMENT R P 9 8 0 co

ALL SLOPES OF THE STORMWATER BASIN AND OUTFALL DITCHES SHALL BE SEEDED & MULCHED ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.

ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG TERM VEGETATION FOR THE FOLLOWING VEGETATION FOR THE FOLLOWING SHORT TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 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.

## A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE FLUMES, OUTFALL DITCHES AND COLLECTION PIPE C E BOTTOM OF ALL COLLECTION OUTLETS.

STRUCTION LIMITS SHALL BE REMOVED.

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

THE CONTRACTOR SHALL ADHERE TO THE EROSION COMMENCING ANY EARTHWORK ON THE SITE. CONTROL PLAN, SHEET C-3, BEFORE

Preeman

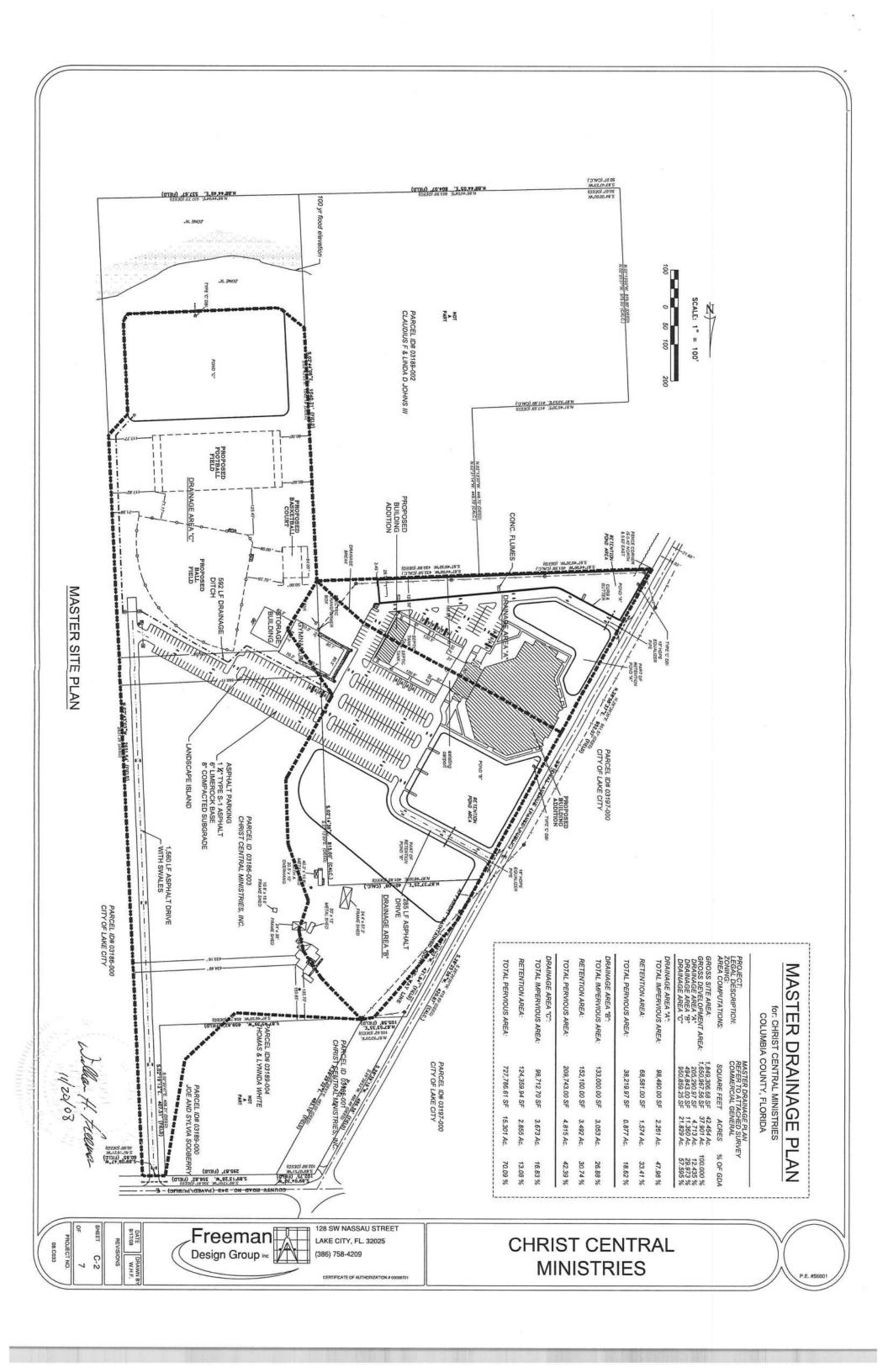
Design Group

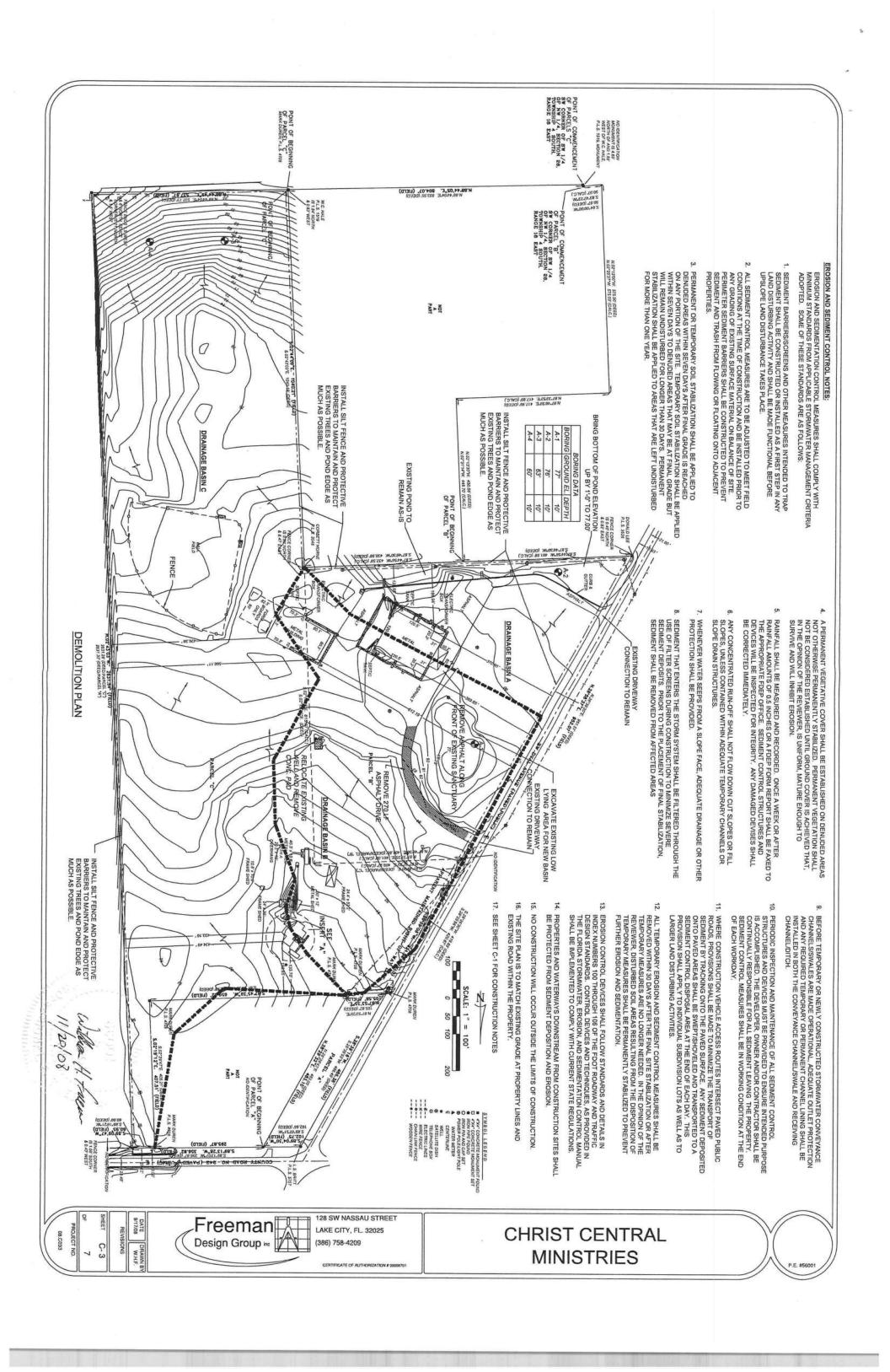
DATE 8/17/08 W.H.F.

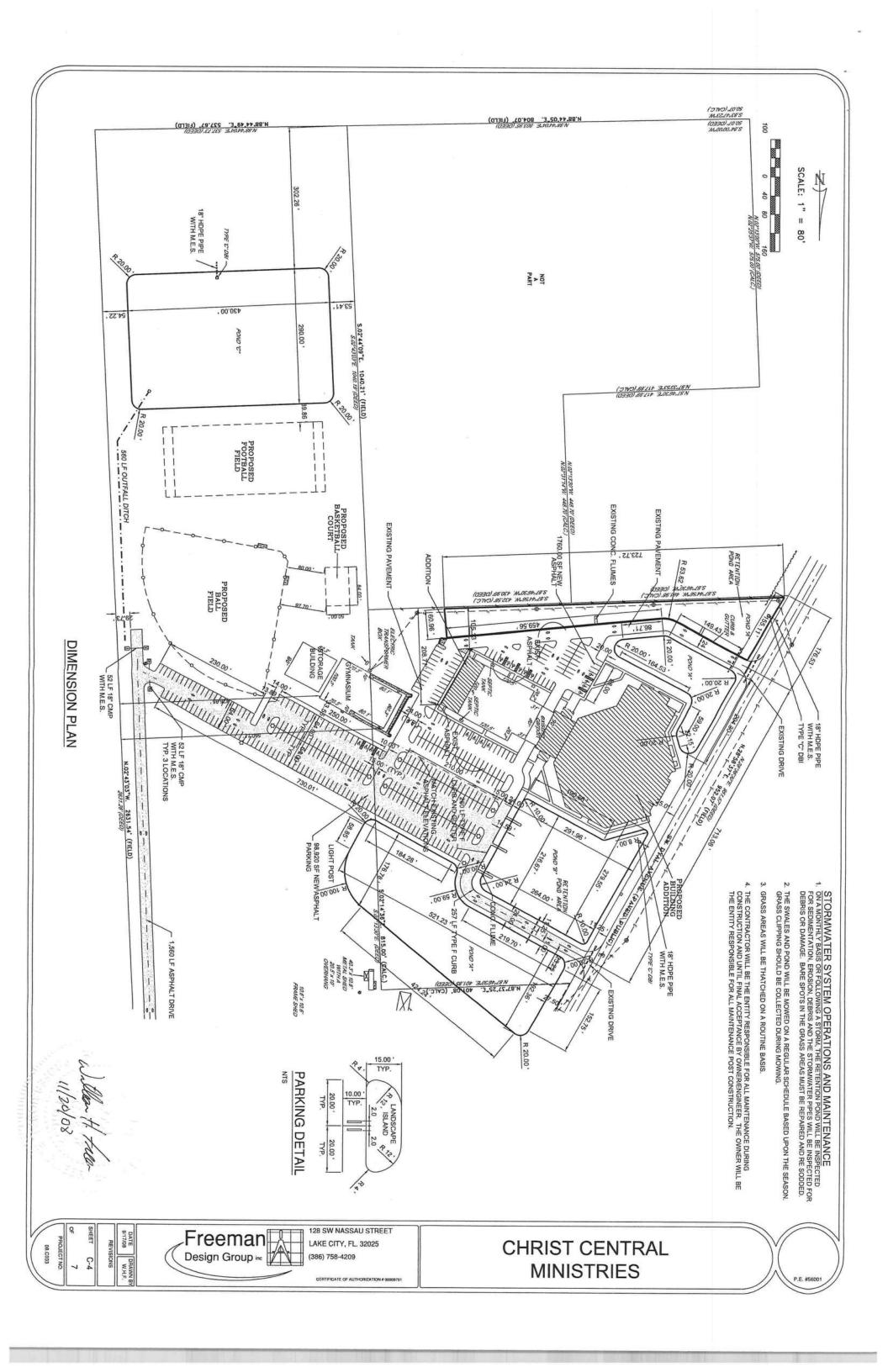
SHEET 0-1

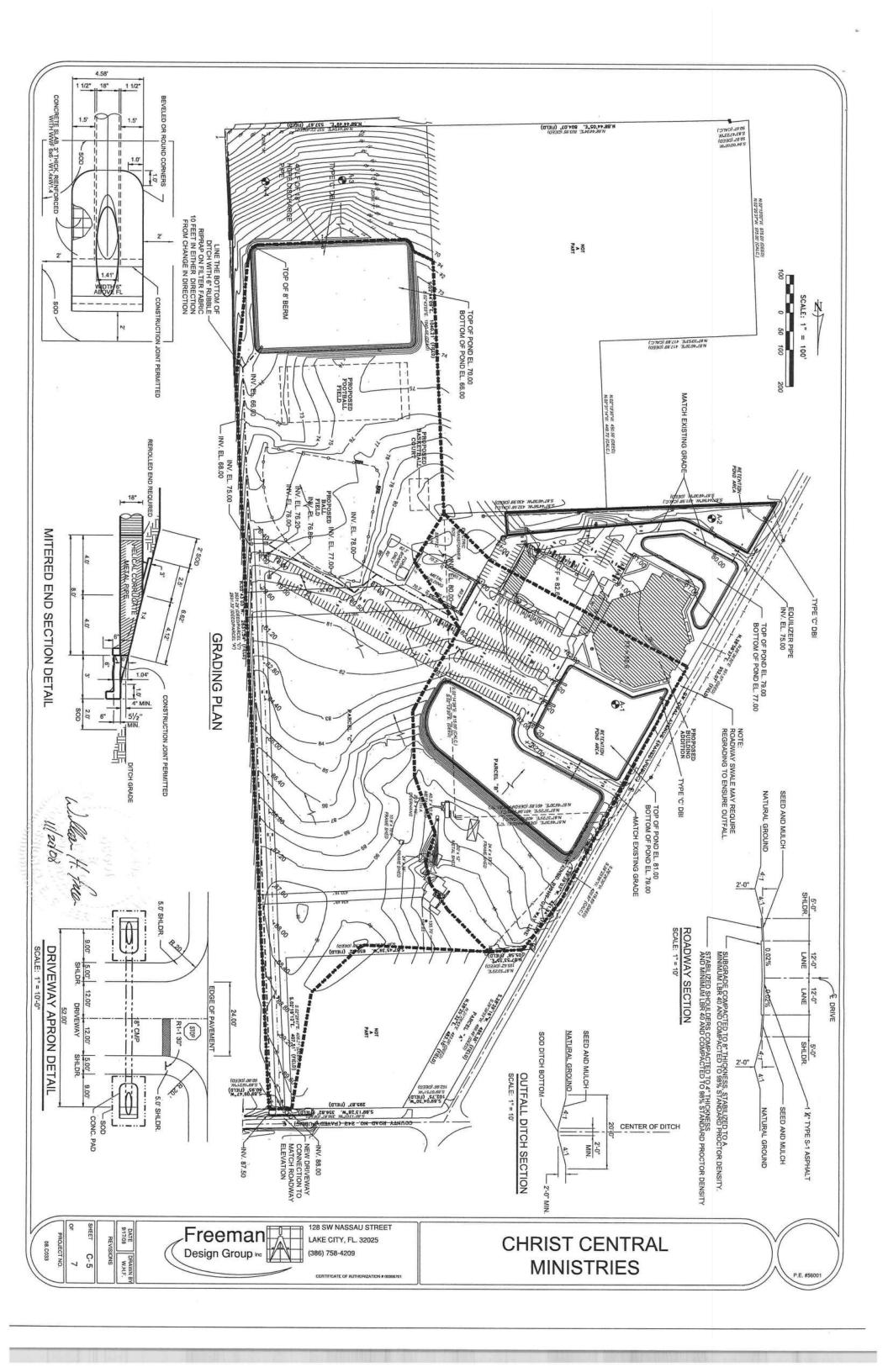
HOJECT NO. 08.C033

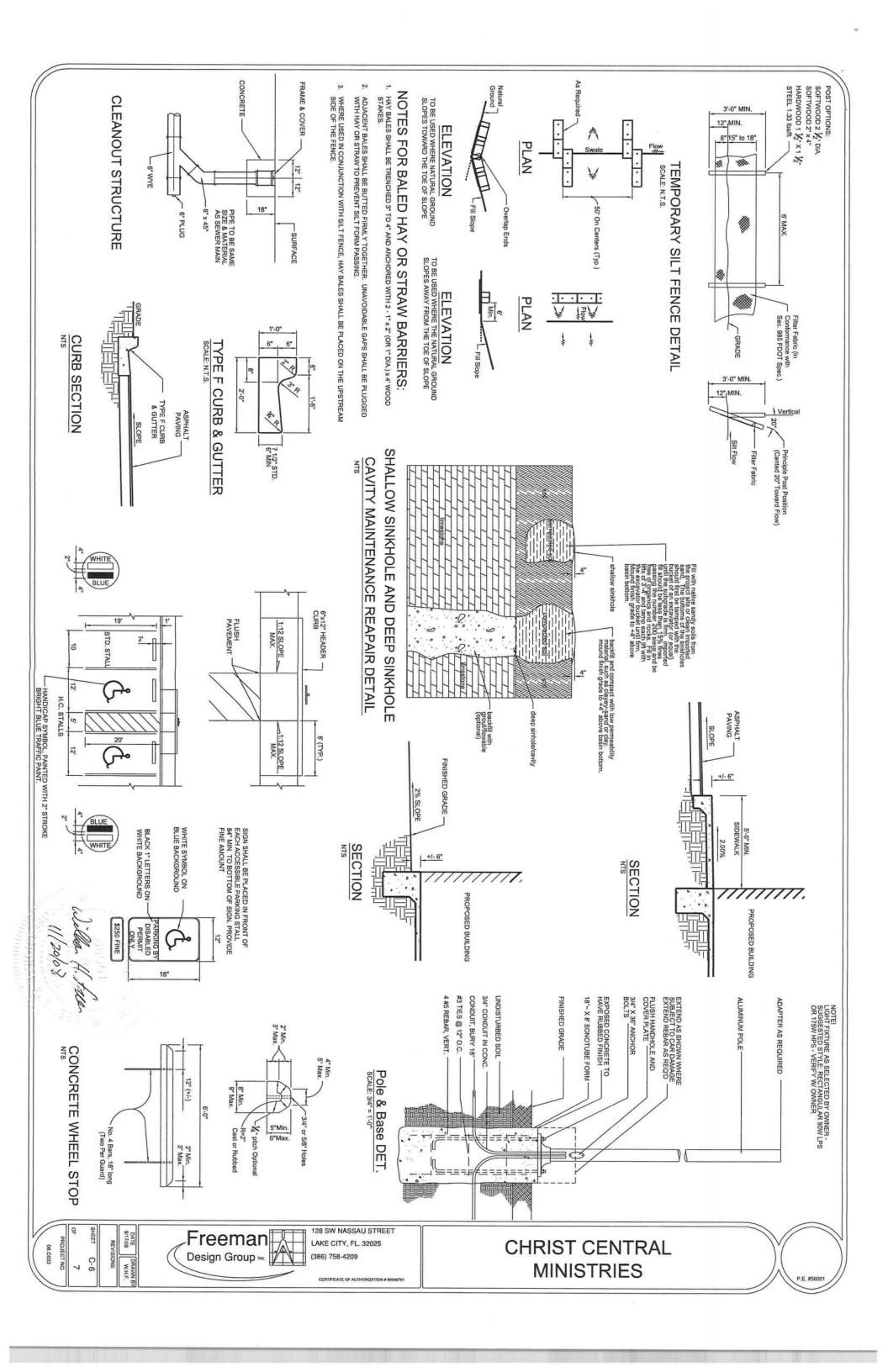
11/20/08

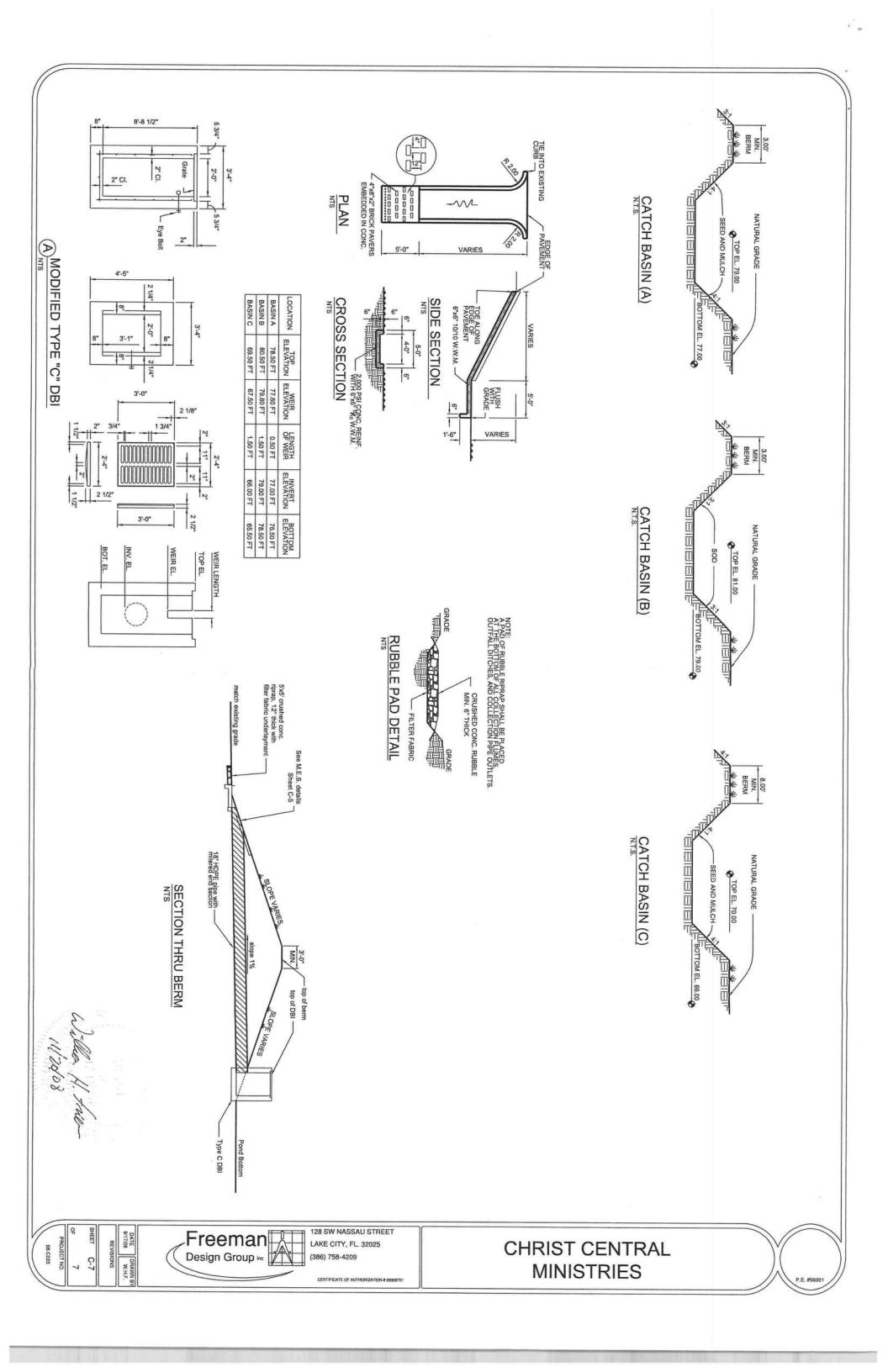


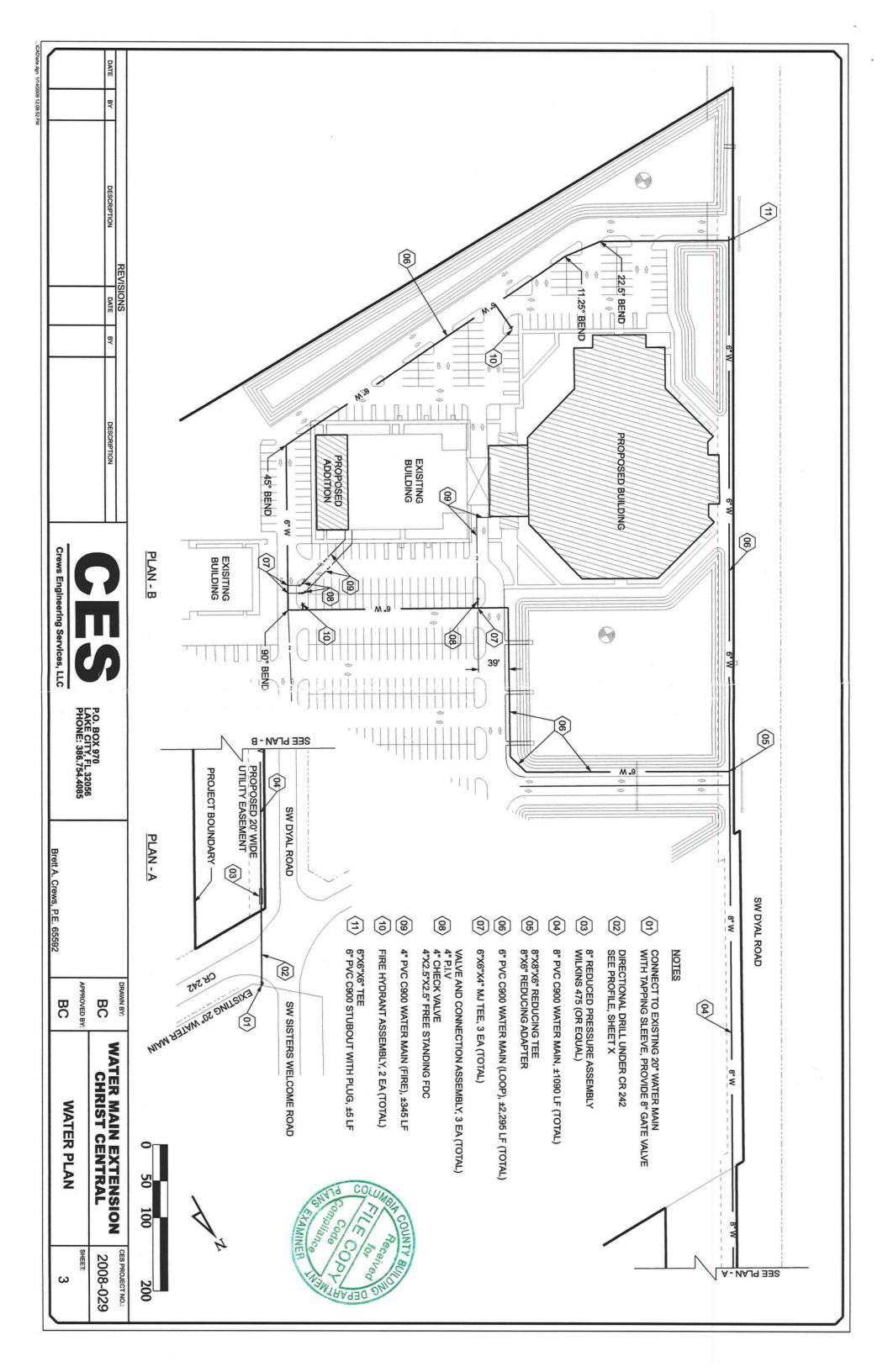












# CHRIST CENTRAL MINISTRIES

DYAL ROAD, LAKE CITY COLUMBIA COUNTY, FLORIDA

42.60± ACRES
PROJECT LOCATION:
PROJECT LOCATION:
DYAL ROAD, LAKE CITY, FLORIDA
PARCEL IDs: # 26-45-16-03189-001
SECTION 26. TOWNSHIP 4 S., RANGE 16 E
ZONING: AGRICULTURAL (A-3)
EXISTING USE: CHURCH
FUTURE LAND USE PLAN MAP CATEGORY: AGRICULTURAL

INDEX OF DRAWINGS

SHEET NO.

2222222

GENERAL NOTES
MASTER SITE PLAN
DEMOLITION PLAN
DIMENSION PLAN
PAVING & GRADING PLAN
SITE DETAILS (1 OF 2)
SITE DETAILS (2 OF 2)

Development Information:

CHRIST CENTRAL MINISTRIES STORAGE BUILDING - NEW CONSTRUCTION

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CERTIFICATE OF AUTHORIZATION # 00006701

NOTE:
THE SCALE OF THESE PLANS MAY HAVE
BEEN CHANGED DUE TO REPRODUCTION

Freeman LAKE CITY, FL. 32025

ENGINEER AND PLANNER:

PLANS PREPARED FOR:

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GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED JANUARY 2007, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2004, AS AMENDED BY THE CONTRACT DOCUMENTS.

LOCATION MAP

PROJECT LOCATION

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P.E. NO: 56001

## GENERAL PROJECT DATA

FOR IDENTIFICATION OF CONTRACTUAL AGREEMENTS, THIS SET OF DRAWINGS IS DATED AS SHOWN. ANY REVISIONS THEREAFTER WILL BE NOTED AND DATED ON THE AFFECTED

THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS TO THESE UTILITIES AND TO MAKE THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATION BY THE RESPECTIVE UTILITY COMPANY AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OF VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED.

### DRAINAGE SYSTEMS

THE CONTRACTOR SHALL PERFORM ALL WORK PERTAINING TO DRAINAGE INCLUDING EXCAVATION OF WRAYS PRIOR TO THE COMMENCEMENT OF OTHER WORK INCLUDED IN THESE PLANS, THE DRAINAGE FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR DURING THE COURSE OF THIS CONTRACT. THE CONTRACTOR SHALL INCLUDE FUNDS IN THE DRAINAGE COSTS OF THE CONTRACT TO OPERATE AND MAINTAIN THE DRAINAGE SYSTEMS DURING THE WORK PROCESS.

THE CONTRACTOR IS TO OBTAIN A COPY OF THAT SOILS REPORT FOR REVIEW PRIOR TO CONSTRUCTION; AND THE CONSTRUCTION IS TO CONFORM TO THE RECOMMENDATIONS IN THAT

AS-BUILTS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER TWO WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED, AND DATED BY THE RESPONSIBLE PARTY. SEE INDIVIDUAL SECTIONS (STORM, WATER SYSTEM, ETC.) FOR ADDITIONAL AS-BUILT REQUIREMENTS.

LAYOUT AND CONTROL

PERMITS AND PERMIT REQUIREMENTS
THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF ALL REGULATORY AND LOCAL
AGENCY PERMITS. THE CONTRACTOR SHALL BE EXPECTED TO REVIEW AND ABIDE BY ALL THE
REQUIREMENTS AND LIMITATIONS SET FORTH IN THE PERMITS. A COPY OF THE PERMIT
SHALL BE KEPT ON THE JOB AT ALL TIMES.

ALL TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR, COUNTY, AND THE ENGINEER. TESTING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE OWNER/OPERATOR'S SPECIFICATIONS AND REQUIREMENTS. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS. CONTRACTOR SHALL PROVIDE TESTING SERVICES THROUGH A FLORIDA LICENSES GEOTECHNICAL ENGINEERING FIRM ACCEPTABLE TO THE OWNER AND ENGINEER. CONTRACTOR TO SUBMIT TESTING FIRM TO OWNER FOR APPROVAL QUALITY CONTROL TESTING REQUIREMENTS ATTENTION OF THE ENGINEER IMMEDIATELY. MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE

CONTRACTOR BY THE OWNER OR OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL PROVIDE FOR THE LAYOUT OF ALL OF THE WORK TO BE CONSTRUCTED. BENCHMARK INFORMATION SHALL BE PROVIDED TO THE

PRIOR TO COMMENCING TESTING.

FOR CONSTRUCTION. SHOP DRAWINGS AND CERTIFICATIONS FOR ALL STORM DRAINAGE, WATER SYSTEM, SEWER SYSTEM, AND PAVING SYSTEM MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED

EROSION AND SILTATION CONTROL MEASURES ARE TO BE PROVIDED AND INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THESE MEASURES ARE TO BE INSPECTED BY THE CONTRACTOR ON A REGULAR BASIS AND ARE TO BE MAINTAINED OR REPAIRED ON AN IMMEDIATE BASIS, AS REQUIRED. REFER TO WATER MANAGEMENT DISTRICT PERMIT FOR EARTHWORK QUANTITIES
THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS
THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS
NECESSARY TO ASSURE HIMSELF OF EARTHWORK QUANTITIES. THERE IS NO IMPLICATION THAT
EARTHWORK BALANCES, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IMPORT FILL
NEEDED, OR FOR REMOVAL AND DISPOSAL OF EXCESS MATERIALS. **EROSION CONTROL** 

SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. REPAIR OR RECONSTRUCTION OF DAMAGED AREAS ON SURROUNDING PROPERTIES SHALL BE PERFORMED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION SHALL BE PROVIDED. LIMITS OF DISTURBANCE
AT NO TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVEL ON ADDITIONAL REQUIREMENTS FOR EROSION CONTROL AND SURFACE DRAINAGE

THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER WHEN ALL WORK IS LAID OUT (SURVEY STAKED), SO THAT A DETERMINATION MAY BE MADE OF SPECIFIC TREES TO BE REMOVED. NO TREES SHOWN ON THE CONSTRUCTION PLANS AS BEING SAVED SHALL BE REMOVED WITHOUT PERMISSION FROM THE OWNER AND ENGINEER. NOTE:

THE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANS FOR TREE BARRICADING INFORMATION.

# SCREENING: WALLS AND FENCES SHALL BE LANDSCAPED ALONG THE ENTIRE EXTERIOR WALLS AND FENCES SHALL BE LANDSCAPED ALONG THE ENTIRE EXTERIOR SIDE SO THAT ONE-THIRD OR MORE OF THE VERTICAL FACE OF THE FENCE OR WALL IS SCREENED BY PLANTINGS. THE APPLICANT SHALL BE REQUIRED TO DEMONSTRATE PROVISION FOR ACCESS AND MAINTENANCE OF LANDSCAPING AT THE TIME OF LANDSCAPE OR PLANTING PLAN APPROVAL.

CLEARING AND GRUBBING
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING AND GRUBBING FOR SITE
THE CONSTRUCTION INCLUDING CLEARING FOR PAVING, UTILITIES DRAINAGE FACILITIES AND
BUILDING CONSTRUCTION. ALL AREAS TO BE CLEARED SHALL BE FIELD STAKED AND
REVIEWED BY THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION.

## MATERIAL STORAGE/DEBRIS REMOVAL ALL MATERIALS EXCAVATED SHALL REI

ALL MATERIALS EXCAVATED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STOCKPILED AT ON-SITE LOCATIONS AS SPECIFIED BY THE OWNER, MATERIALS SHALL BE STOCKPILED SEPARATELY AS TO USABLE (NUONGGANIC) FILL STOCKPILES AND ORGANIC (MUCK) STOCKPILES IF MUCK IS ENCOUNTERED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNSUITABLE FILL MATERIALS FROM THE SITE. ALL CAY ENCOUNTERED SHALL BE EXCAVATED OUT AND REPLACED WITH CLEAN GRANULAR FILL MATERIALS.

ALL FILL MATERIALS SHALL CONTAIN NO MUCK, STUMPS, ROOTS, BRUSH, VEGETATIVE MATTER, RUBBISH OR OTHER MATERIAL THAT WILL NOT COMPACT INTO A SUITABLE AND ENDURING BACKFILL. FILL SHALL BE CLEAN, NON-ORGANIC, GRANULAR MATERIAL WITH NOT MORE THAN 10% PASSING THE NO. 200 SIEVE.

FILL MATERIALS PLACED UNDER ROADWAYS SHALL BE COMPACTED TO AT LEAST 88% OF THE MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. ALL OTHER FILL AREAS ARE TO BE COMPACTED TO AT LEAST 58% MAXIMUM DENSITY AS SPECIFIED IN AGSHTO T-180. FILL MATERIALS SHALL BE PLACED AND COMPACTED IN A MAXIMUM OF 12" LIFTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND OWNER WITH ALL (PASSING AND FALLING) TESTING RESULTS. RESULTS SHALL BE PROVIDED ON A TIMELY AND REGULAR BASIS PRIOR TO CONTRACTOR'S PAY REQUEST SUBMITTAL FOR THE AFFECTED WORK.

# PAVEMENT AND/OR ROAD AND R/W WORK

### GENERAL DESIGN INTENT

INTERSECTIONS AND ENTRANCE AND EXIT GRADES TO INTERSECTIONS WILL HAVE TO BE STAKED IN THE FIELD AT DIFFERENT GRADES THAN THE CENTERLINE GRADES SHOWN ON THE PLANS. IN THESE AREAS, IT MAY ALSO BECOME ADVISABLE TO MAKE MINOR LOCAL FIELD ADJUSTMENTS IN THE CENTERLINE GRADES TO ACCOMPLISH THE PURPOSES OUTLINED. IN ALL PAVING SURFACES IN INTERSECTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY IN THE DIRECTION SHOWN BY THE FLOW ARROWS ON THE PLANS AND TO PROVIDE A SMOOTHLY TRANSITIONED DRIVING SURFACE FOR VEHICLES WITH NO SHARP BREAKS IN GRADE, AND NO UNUSUALLY STEEP OR REVERSE CROSS SLOPES. APPROACHES TO ABOVE AND THE ENGINEER SHALL BE CONSULTED SO THAT HE MAY MAKE ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS. ADDITION, THE STANDARD CROWN WILL HAVE TO BE CHANGED IN ORDER TO DRAIN POSITIVELY IN THE AREA OF INTERSECTIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH THE

MATERIAL SICONSTRUCTION SPECIFICATIONS

MATERIALS AND CONSTRUCTION METHODS FOR THE ROADWAY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

AASHTO T-180, 6" OF LIMEROCK BASE COURSE, (LBR.) 100, COMPACTED TO THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF 98% PER AASHTO T-180 AND 1 1/4" TYPE S-1 OF VIRGIN ASPHALTIC CONCRETE SURFACE COURSE WITH A MINIMUM STABILITY OF 1500 LBS. SUBGRADE PREPARATION AND PAVEMENT INSTALLATION SHALL CONFORM TO FDOT STANDARDS AND SOILS REPORT PAVEMENT SECTION REQUIREMENTS

CONSTRUCTION OF ROADWAYS SHALL BE 8" OF STABILIZED SUBBASE WITH A LIMEROCK BEARING RATIO OF (LBR) 40 COMPACTED TO THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF 98% PER

STRENGTH OF 2500 PSI. JOINTS SHALL BE EITHER TOOLED OR SAWCUT AT A DISTANCE OF 5' LENGTHS, HANDICAPPED RAMPS SHALL BE PROVIDED AT ALL INTERSECTIONS AND BE IN ACCORDANCE WITH STATE REGULATIONS FOR HANDICAP ACCESSIBILITY. SIDEWALKS ARE TO BE CONSTRUCTED IN THE THE 5' SIDEWALK SHALL BE CONSTRUCTED OF AREAS AS SHOWN ON THE CONSTRUCTION PLANS.
4° OF CONCRETE WITH A 28-DAY COMPRESSION

### PAVEMENT MARKINGS/SIGNAGE

PAVEMENT MARKINGS AND SIGNAGE SHALL BE PROVIDED AS SHOWN ON THE CONSTRUCTION PLANS AND SHALL MEET THE REQUIREMENTS OF THE OWNER/OPERATOR. SIGNAGE SHALL BE IN CONFORMANCE WITH MUTCD (LATEST EDITION). A 48-HOUR PAVEMENT CURING TIME WILL BE PROVIDED PRIOR TO APPLICATION OF THE PAVEMENT MARKINGS. REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH FOOT INDEX NO. 17852.

TRAFFIC CONTROL

A MINIMUM OF 2-WAY ONE LANE TRAFFIC SHALL BE MAINTAINED IN THE WORK SITE AREA. ALL
CONSTRUCTION WARNING SIGNAGE SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF
CONSTRUCTION AND BE MAINTAINED THROUGHOUT CONSTRUCTION. ACCESS SHALL BE
CONTINUOUSLY MAINTAINED FOR ALL PROPERTY OWNERS SURROUNDING THE WORK SITE AREA.
LIGHTED WARNING DEVICES ARE TO BE OPERATIONAL PRIOR TO DUSK EACH NIGHT DURING CONSTRUCTION.

CHRIST CENTRAL

**MINISTRIES** 

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### R/W RESTORATION

ALL AREAS WITHIN THE RIGHT-OF-WAY SHALL BE FINISH GRADED WITH A SMOOTH TRANSITION INTO EXISTING GROUND. ALL SWALES SHALL BE STABILIZED MMEDIATELY AFTER FINAL GRADING. ALL DISTURBED AREAS SHALL BE RAKED CLEAN OF ALL LIMEROCK AND ROCKS AND SODDED AFTER FINAL GRADING IN ACCORDANCE WITH THE CONSTRUCTION PLAYS PRIOR TO FINAL INSPECTION. ALL GRASSING (SEED OR SOD) SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE OWNER/OPERATOR.

ALL ACCESS TO THE JOB-SITE FOR CONSTRUCTION AND RELATED ACTIVITIES SHALL BE BY EXISTING STREETS AND ROADS, OR BY THE CONSTRUCTION EASEMENT.

CONSTRUCTION NOTES:
THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE DOB 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 AND PRIOR TO PROCEEDING WITH THE WORK.

THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE

ALL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION.

THE STORMWATER BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 408-4 F.A.C.

THE RETENTION BASIN SHALL BE CONSTRUCTED INITIALLY TO SERVE AS A SEDIMENT TRAP DURING CONSTRUCTION.

ALL SLOPES OF THE STORMWATER BASIN AND OUTFALL DITCHES SHALL BE SEEDED & MULCHED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.

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.

A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTON FLUMES, OUTFALL DITCHES AND COLLECTION PIPE OUTLETS AT THE BOTTOM OF ALL COLLECTION

EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE

DATE 9/17/08

REVISIONS

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ROJECT NO.

THE CONTRACTOR SHALL ADHERE TO THE EROSION CONTROL PLAN, SHEET C-4, BEFORE COMMENCING ANY EARTHWORK ON THE SITE.

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