DATE 08/24/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024914

APPLICANT LAMAR DUPREE PHONE 386.754.5678

ADDRESS P.O. BOX 2861 LAKE CITY FL 32056

OWNER PINE GROVE BAPTIST CHURCH PHONE 752-2664

ADDRESS 1986 N HIGHWAY 441 LAKE CITY FL 32055

CONTRACTOR J.L. DUPREE,JR. PHONE 754.5678

LOCATION OF PROPERTY 2 MILES NORTH OF LAKE CITY ON 441 ON THE R.

TYPE DEVELOPMENT ADDITION/RENOVATION ESTIMATED COST OF CONSTRUCTION 240000.00

HEATED FLOOR AREA TOTAL AREA 3116.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4'12 FLOOR CONC

LAND USE & ZONING RSF-MH-2 MAX. HEIGHT 35

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

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 20-3S-17-05258-000 SUBDIVISION PINE NEEDLES ESTATES

LOT 15-18 BLOCK PHASE UNIT TOTAL ACRES

		CGC060631	Lamar Dupree
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor

FDOT-EXISTING	X-06-0283	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: 1 FOOT ABOVE ROAD. PREVENTATIVE TREATMENT REPORT REC'D.

Check # or Cash 10428

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by

Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by

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

M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by

Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by

M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE $ 1200.00 CERTIFICATION FEE $ 15.58 SURCHARGE FEE $ 15.58

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 1306.16

INSPECTORS OFFICE CLERKS OFFICE

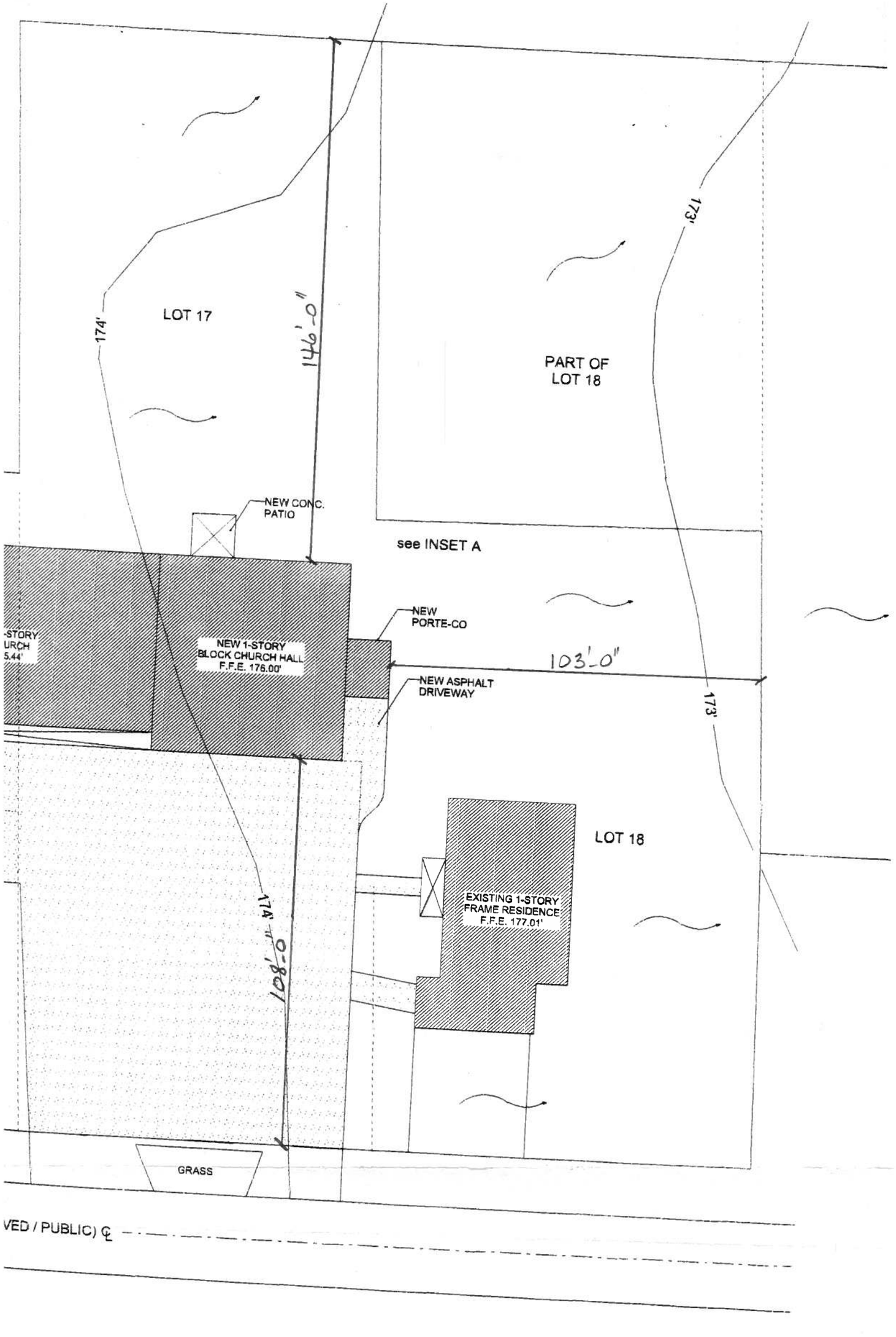
NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES,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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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



1" = 30'

SITE PLAN

SCALE: 1"

Left message 8/14/06

Revised 9-23-04

Columbia County Building Permit Application

For Office Use Only Application # 0607-43 Date Received 7/19 By JW Permit # 24914

Application Approved by - Zoning Official BLK Date 14.08.06 Plans Examiner OK JTH Date 8/23/06

Flood Zone X Development Permit N/A Zoning RSF/MH-2 Land Use Plan Map Category RES Low Dev.

Comments - Pv. Notice - NOC City Water, Sewer (1 SET RECID ONLY)

CLIE10428

Applicants Name Lamar Dupree - J.L. Dupree Construction Phone 386-754-5678

Address c/o PO Box 2861 Lake City, Fla. 32056

Owners Name Pine Grove Baptist Church Phone 386-752-2664

911 Address 1986 N. Hwy 441 Lake City, Fla. 32055

Contractors Name Joseph L. Dupree, Jr. Phone 386-754-5678

Address PO Box 2861 Lake City, Fla. 32056

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Freeman Design Group

Mortgage Lenders Name & Address

Circle the correct power company - **Fl Power & Light** (circled) - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 20-3s-17-05258-000 Estimated Cost of Construction 240,000.

Subdivision Name ______ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions North to intersection of gumswamp, straight through redlight, 1 mile on right

Type of Construction addition / renovation Number of Existing Dwellings on Property 1

Total Acreage ______ Lot Size ______ Do you need a - Culvert Permit or Culvert Waiver or **Have an Existing Drive** (circled)

Actual Distance of Structure from Property Lines - Front 103' Side 146' Side 108' Rear

Total Building Height ______ Number of Stories 1 Heated Floor Area 3,116 Roof Pitch 4 12

TOTAL 3,116

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number CGC060631

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 18th day of July 2006.

Kerrie L. Clark

Notary Signature

__ or Produced Identification

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0607-45 Date Received 7/19 By [illegible] Permit # ____

Application Approved by - Zoning Official BLK Date 14.08.06 Plans Examiner OK JTH Date 8-14-06

Flood Zone X Development Permit N/A Zoning RSF/MH-2 Land Use Plan Map Category RES L Dev.

Comments - EN. HEALTH - NOC

(1 SET REC'D ONLY)

Applicants Name Lamar Dupree - J. L. Dupree Construction Phone 386-754-5678

Address PO Box 2861 Lake City, Fla. 32056

Owners Name Pine Grove Baptist Church Phone 386-752-2664

911 Address 1986 N. Hwy 441 Lake City, Fla. 32055

Contractors Name Joseph L. Dupree, Jr. Phone 386-754-5678

Address ~~PO Box 2861 Lake City, Fla. 32056~~

Fee Simple Owner Name & Address ____

Bonding Co. Name & Address ____

Architect/Engineer Name & Address Freeman Design Group

Mortgage Lenders Name & Address ____

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

Property ID Number 20-3s-17-05258-000 Estimated Cost of Construction 240,000.

Subdivision Name ____ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions North to intersection of gumswamp, straight through redlight, 1 mile on right

Type of Construction addition / renovation Number of Existing Dwellings on Property 1

Total Acreage ____ Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 103' Side 146' Side 108' Rear ____

Total Building Height ____ Number of Stories 1 Heated Floor Area 3,116 Roof Pitch 4 12

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____
Owner Builder or Agent (Including Contractor)

____
Contractor Signature

Contractors License Number CGC060631

Competency Card Number ____

NOTARY STAMP/SEAL

Kerri L Clark
My Commission DD373744
Expires November 21 2008

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 18th day of July 2006.

Personally known ✓ or Produced Identification

Kerri L. Clark
Notary Signature

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20-3S-17-05258-000
-------------------------------------------------------------------------------------------------------------------
LOTS 15, 16, 17 & 18 & THE N    PINE GROVE BAPTIST CHURCH OF   20-3S-17-05258-000             Columbia County  2006 R
185 FT OF LOT 19 & LOT 20 EX S  LAKE CITY FLORIDA INC                                                   CARD 001 of 002
110 FT, PINE NEEDLES ESTATES.   P O BOX 2138                                  PRINTED  5/05/2006  8:43         BY  JEFF
ORB 917-1867, 613-256,          LAKE CITY, FL 32056                           APPR     7/12/2004 TW
-------------------------------------------------------------------------------------------------------------------
BUSE 009100 CHURCH            AE? N        1750 HTD AREA      79.800 INDEX    20317.02 PINE NDLS        PUSE  007100 CHURCHES
MOD   4 COMMERCIAL  BATH                   1922 EFF AREA      37.506 E-RATE    100.000 INDX   STR  20- 3S- 17
EXW  04 SINGLE SID  FIXT          2       72087 RCN                               1960 AYB    MKT AREA 06              396,962 BLDG
  %     N/A         BDRM                  50.00 %GOOD      36,043 B BLDG VAL      1960 EYB    (PUD1                      5,600 XFOB
RSTR 03 GABLE/HIP   RMS           4   ------------------------------------------------------   AC       3.150            61,746 LAND
RCVR 01 MINIMUM     UNTS              FIELD CK:                                                NTCD                          0 AG
  %     N/A         C-W%              LOC:  ---                                                APPR CD                       0 MKAG
INT  03 PLASTER     HGHT                                                                       CNDO                    464,308 JUST
  %     N/A         PMTR                +---------------50-------------+                       SUBD                          0 CLAS
FLR  14 CARPET      STYS        1.0     IBAS1993                       I                       BLK
  %     N/A         ECON                I                              I                       LOT                           0 SOHD
HTTP 04 AIR DUCTED  FUNC                I                              I                       MAP# 95-D                     0 ASSD
A/C  03 CENTRAL     SPCD                I                              I                       02                            0 EXPT
QUAL 03 AVERAGE     DEPR 06             3                              +----14--+              TXDT     002                  0 COTXBL
FNDN    N/A         UD-1    N/A         5                              IUGR1993 I
SIZE    ALL         UD-2    N/A         I                              I        I           -------------- BLDG TRAVERSE -------------
CEIL    N/A         UD-3    N/A         I                              2        I           BAS1993=W50 S35 E17 UOP1993=S8E16 N8 W16$
ARCH    N/A         UD-4    N/A         I                              0        2           E33 UGR1993=S6 E14N26 W14 S20$ N35$.
FRME 02 WOOD FRAME  UD-5    N/A         I                              I        6
KTCH    N/A         UD-6    N/A         +-----17----+----16---+--------+        I
WNDO    N/A         UD-7    N/A                     8UOP1993  8        I        I
CLAS    N/A         UD-8    N/A                     I         I        +----14--+
OCC     N/A         UD-9    N/A                     +----16---+
COND    N/A            %    N/A                                                             ----------------- PERMITS -----------------
SUB   A-AREA  %  E-AREA   SUB VALUE                                                          NUMBER     DESC          AMT    ISSUED
BAS93   1750 100   1750      32817                                                          17771     CHURCH        1,130 12/22/2000
UOP93    128  20     26        488
UGR93    364  40    146       2738                                                          ------------------ SALE ------------------
                                                                                            BOOK   PAGE     DATE                 PRICE
                                                                                              917   1867  1/04/2001 U I            100
                                                                                            GRANTOR TRUSTEES OF PINE GROVE BAPTIST CHU
                                                                                            GRANTEE PINE GROVE BAPTIST CHURCH OF LAKE

                                                                                            GRANTOR
TOTAL   2242        1922       36043  ------------------------------------------------      GRANTEE
-------EXTRA FEATURES---------------------------------- FIELD CK:     -------------------------------------------------
AE BN  CODE      DESC         LEN   WID HGHT QTY QL   YR  ADJ       UNITS UT      PRICE   ADJ UT PR   SPCD %    %GOOD  XFOB VALUE
Y      0260   PAVEMENT-ASP                    1    0000 1.00       1.000 UT   3500.000    3500.000            100.00       3,500
Y      0166   CONC,PAVMT                      1    0000 1.00       1.000 UT    300.000     300.000            100.00         300
Y      0060   CARPORT F        18    20       1    1993 1.00     360.000 SF      5.000       5.000            100.00       1,800
-------------------------------------------------------------------------------------------------------------------
   LAND   DESC       ZONE  ROAD {UD1 {UD3 FRONT DEPTH  FIELD CK:
AE  CODE             TOPO  UTIL {UD2 {UD4  BACK   DT     ADJUSTMENTS           UNITS UT      PRICE  ADJ UT PR    LAND VALUE
N 007100 CHURCH                                      1.00 1.00  .75 1.00  137215.000  SF        .600        .45        61,746
 2006


20-3S-17-05258-000
-------------------------------------------------------------------------------------------------------------------
LOTS 15, 16, 17 & 18 & THE N    PINE GROVE BAPTIST CHURCH OF   20-3S-17-05258-000             Columbia County  2006 R
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RSTR 03 GABLE/HIP   RMS          14   ------------------------------------------------------   AC       3.150            61,746 LAND
RCVR 03 COMP SHNGL  UNTS              FIELD CK:                                                NTCD                          0 AG
 50% 12 MODULAR MT  C-W%              LOC:  ---                                                APPR CD                       0 MKAG
INT  05 DRYWALL     HGHT         10                                                            CNDO                    464,308 JUST
 50% 04 PLYWOOD     PMTR                                +-------100-------+                    SUBD                          0 CLAS
FLR  14 CARPET      STYS        1.0     +----------123--------+                 ++             BLK
 10% 15 HARDTILE    ECON                4BAS1993                             CAN1993           LOT                           0 SOHD
HTTP 04 AIR DUCTED  FUNC                0                                       I              MAP# 95-D                     0 ASSD
A/C  03 CENTRAL     SPCD                +-----66----+           +-------100-------+            02                            0 EXPT
QUAL 03 AVERAGE     DEPR 06                         +-18--39-+CAN1993100-------+               TXDT     002                  0 COTXBL
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ARCH    N/A         UD-4    N/A                                                             AN1993=E100 N6    W100 S6$N6 E100 N30 CAN1
FRME 03 MASONARY    UD-5    N/A                                                             993=E6N7 W6 S7$ N20$.
KTCH    N/A         UD-6    N/A
WNDO    N/A         UD-7    N/A
CLAS    N/A         UD-8    N/A
OCC     N/A         UD-9    N/A
COND    N/A            %    N/A                                                             ----------------- PERMITS -----------------
SUB   A-AREA  %  E-AREA   SUB VALUE                                                          NUMBER     DESC          AMT    ISSUED
BAS93  10376 100  10376     354329
CAN93    642  30    193       6590
                                                                                            ------------------ SALE ------------------
                                                                                            BOOK   PAGE     DATE                 PRICE

                                                                                            GRANTOR
                                                                                            GRANTEE

                                                                                            GRANTOR
TOTAL  11018       10569      360919  ------------------------------------------------      GRANTEE
-------EXTRA FEATURES---------------------------------- FIELD CK:     -------------------------------------------------
AE BN  CODE      DESC         LEN   WID HGHT QTY QL   YR  ADJ       UNITS UT      PRICE   ADJ UT PR   SPCD %    %GOOD  XFOB VALUE
```

AE	LAND CODE	DESC	ZONE TOPO	ROAD UTIL	UD1 UD2	UD3 UD4	FRONT BACK	DEPTH DT	FIELD CK: ADJUSTMENTS	UNITS UT	PRICE	ADJ UT PR	LAND VALUE
	2006												

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0607-45 Date Received 7/9 By TW Permit # _____

Application Approved by - Zoning Official _____ Date _____ Plans Examiner _____ Date _____

Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____

Comments - EH. NOTH - NOC (1 SET RECID ONLY)

Applicants Name Lamar Dupree - J.L. Dupree Construction Phone 386-754-5678

Address PO BPO Box 2861 Lake City, Fla. 32056

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Architect/Engineer Name & Address Freeman Design Group

Mortgage Lenders Name & Address _____

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Owner Builder or Agent (including Contractor)

Contractor Signature

Contractors License Number CGC060631

Competency Card Number _____

STATE OF FLORIDA
COUNTY OF COLUMBIA

Kerri L Clark
My Commission DD373744
September 21, 2008

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 18th day of July 2008.

Personally known ✓ or Produced Identification _____

Kerri L. Clark

Notary Signature

Freeman Design Group inc

161 NW Madison Street, Suite #102
Lake City, FL. 32025
Tel: 386-758-4209
Fax: 386-758-4290
Cert. Of Auth. # 00008701

Engineers - Planners

Permit Number 24914 Address Highway 441 North

Description: Pine Grove Baptist Church - Fellowship hall addition

Foundation 11/13/2006 date/app. By Monolithic 11/13/2006 date/app. By

Under Slab Rough-in Plumbing 11/17/2006 date/app. By

Slab 11/17/2006 date/app. By Sheathing/Nailing 11/28/2006 date/app. By

Rough-in plumbing above slab and below wood floor 11/28/2006 date/app. By

Framing 11/28/2006 date/app. By Electrical Rough-in 11/28/2006 date/app. By

Heat & Air Duct 11/28/2006 date/app. By Peri. Beam (Lintel) 11/21/2006 date/app. By

Comments: Parapet Wall completed per reinforcing on plans 30" above roof plane

William H. Freeman 12/20/06

William H. Freeman P.E. #56001

Freeman Design Group inc

161 NW Madison Street, Suite #102
Lake City, FL. 32025
Tel: 386-758-4209
Fax: 386-758-4290
Cert. Of Auth. # 00008701

Engineers - Planners

Permit Number 24914 Address Highway 441 North

Description: Pine Grove Baptist Church - Fellowship hall addition

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Rough-in plumbing above slab and below wood floor 11/28/2006 date/app. By

Framing 11/28/2006 date/app. By Electrical Rough-in 11/28/2006 date/app. By

Heat & Air Duct 11/28/2006 date/app. By Peri. Beam (Lintel) 11/21/2006 date/app. By

Comments: Parapet Wall completed per reinforcing on plans 30" above roof plane

William H. Freeman 12/20/06

William H. Freeman P.E. #56001

Lake City Fire Department

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

Michael Johnson
Fire Chief

Inspection Division

Fire Safety Inspectors
Carlton A. Tunsil
Assistant Fire Chief

Frank E. Arnujo
Battalion Chief

Nathiel L. Williams, Sr.
Fire Inspector

TO: James Roberts , Pastor

FROM: Nathiel L. Williams
State Fire Inspector License #113360

DATE: December 19, 2006

SUBJECT: Fire Safety Inspection

A fire safety inspection was performed today at Pine Grove Baptist Church new addition only located at 1989 No. Hi way 441, Lake City, FL 32056. This Facility meets all requirements of Chapter 12 of the Florida Fire Prevention Code,2004 Edition. No violations were noted. I recommend approval.

Nathiel L. Williams, Sr.
State Fire Inspector License #113360

Notice of Prevention for Subterranean Termites

(As required by Florida Building Code (FBC) 104.2.6)

Live Oak PEST CONTROL, INC. A locally owned company serving you since 1972

17856 U.S. 129 • McALPIN, FLORIDA 32062
(386) 362-3887 • 1-800-771-3887 • Fax: (386) 364-3529

Pine Grove Bapt. Church 1986 Hwy 441 N. Lake City Fl.

Address of Treatment or Lot/Block of Treatment

10-3-06	5:00 pm	Calvin R. Smart
Date	Time	Applicator
Termidor	Fipronil	400
Product Used	Chemical used *(active ingredient)*	Number of gallons applied
.06%	2915	216
Percent Concentration	Area treated *(square feet)*	Linear feet treated

Horizontal/Vertical

Stage of treatment *(Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)*

As per 104.2.6 - If soil chemical barrier method for Subterranean 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 and date this line. _____

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 20-3S-17-05258-000 **Building permit No.** 000024914

Use Classification ADDITION/RENOVATION **Fire:** 0.00

Permit Holder J.L. DUPREE,JR. **Waste:**

Owner of Building PINE GROVE BAPTIST CHURCH **Total:** 0.00

Location: 1986 N HIGHWAY 441

Date: 12/20/2006

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22

- 24914

INPUT DATA REPORT

Project Information

Project Name: New Prj

Project Title: Fellowship Hall Addition

Address: Hwy 441 North
Enter Address here

State: FL

Zip: 32055

Owner: Pine Grove Baptist Church

Orientation: North

Building Type: Assembly

Building Classification: Addition to existing Building

No.of Storeys: 1

GrossArea: 2416

Zones

No	Acronym	Description	Type	Load Profile	Area [sf]	Multiplier	Total Area [sf]	
1	Pr0Zo1	Zone 1	CONDITIONED	Uses Building Load Profile	2416.0	1	2416.0	☐

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]	
In Zone:	**Pr0Zo1**									
1	Pr0Zo1Sp1	Hallway	Electrical Mechanical Equipment Room - Control Room	10.00	4.00	8.70	2	80.0	696.0	☐
2	Pr0Zo1Sp2	Zo0Sp2	Toilet and Washroom	10.00	8.00	8.00	4	320.0	2560.0	☐
3	Pr0Zo1Sp3	Zo0Sp3	Classroom/Lecture Hall	12.00	9.00	8.70	16	1728.0	15033.6	☐
4	Pr0Zo1Sp4	Zo0Sp4	Food Service - Kitchen	9.00	8.00	8.70	4	288.0	2505.6	☐

Lighting

No	Type	Power [W]	Control Type	No.of Ctrl pts	
In Zone:	**Pr0Zo1**				
In Space:	**Pr0Zo1Sp1**				
1	Compact Fluorescent	30.00	Manual On/Off	2	☐
In Space:	**Pr0Zo1Sp2**				
1	Incandescent	60.00	Manual On/Off	2	☐
In Space:	**Pr0Zo1Sp3**				
1	Incandescent	100.00	Manual On/Off	2	☐
In Space:	**Pr0Zo1Sp4**				
1	Incandescent	40.00	Manual On/Off	2	☐

Walls

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

1	North Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	53.00	8.70	1	461.1	North	0.2642	9.6960	62.72	3.79	☐
2	East Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	55.00	8.70	1	478.5	North	0.2642	9.6960	62.72	3.79	☐
3	South Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	53.00	8.70	1	461.1	North	0.2642	9.6960	62.72	3.79	☐
4	West Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	55.00	8.70	1	478.5	North	0.2642	9.6960	62.72	3.79	☐

Windows

No	Description	Type	Shaded	UCen [Btu/hr sf F]	SC	Vis.Tr	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]	
In Zone: Pr0Zo1											
In Wall: Pr0Zo1Wa3											
1	Pr0Zo1Wa3Wi1	DOUBLE CLEAR IG	No	0.6514	0.88	0.81	3.00	4.00	4	48.0	☐

Doors

No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. [lb/cf]	Heat Cap. [Btu/sf. F]	R-Value [h.sf.F/Btu]	
In Zone: Pr0Zo1												
In Wall: Pr0Zo1Wa1												
1	Pr0Zo1Wa1Dr1	Wood door, 2 in.	No	3.00	7.00	1	21.0	0.4192	37.00	2.41	2.39	☐
In Wall: Pr0Zo1Wa2												
1	Pr0Zo1Wa2Dr1	Wood door, 2 in.	No	6.00	7.00	1	42.0	0.4192	37.00	2.41	2.39	☐
In Wall: Pr0Zo1Wa4												
1	Pr0Zo1Wa4Dr1	Wood door, 2 in.	No	6.00	7.00	1	42.0	0.4192	37.00	2.41	2.39	☐

Roofs

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone: Pr0Zo1												
1	Pr0Zo1Rf1	Shngl/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	55.00	53.00	1	2915.0	0.00	0.0320	1.50	8.22	31.24	☐

Skylights

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

Floors

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone: Pr0Zo1											
1	Pr0Zo1Fl1	Concrete floor, carpet and rubber pad	55.00	53.00	1	2915.0	0.5987	9.33	140.00	1.67	☐

Systems

Pr0Sy1	System 1	Constant Volume Air Cooled Split System < 65000 Btu/hr		No. Of Units 2	
Component	**Category**	**Capacity**	**Efficiency**	**IPLV**	
1	Cooling System (Air Cooled < 65000 Btu/h Cooling Capacity)	60000.00	13.00	8.00	☐
2	Air Handling System -Supply (Air Handler (Supply) - Constant Volume)	2000.00	0.80		☐

Plant

Equipment	Category	Size	Inst.No	Eff.	IPLV	
						☐

Water Heaters

	W-Heater Description	Capacit	Cap.Unit	I/P Rt.	Efficienc	Loss	
1	Storage Water Heater - Electric	50	Gal	[kW]	0.9000 [EF]	[%/hr]	☐

Ext-Lighting

	Description	Categories.	Area/Len/No. of units [sf/ft/No]	Wattage [W]	
1	Ext Light 1	Exit (with or without Canopy)	3.00	75.00	☐
2	Ext Light 2	Entrance (w/ Canopy) Light traffic-hospital, office, school etc	350.00	240.00	☐

Piping

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

Fenestration Used

Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SC	VLT	Frame Conductance [Btu/h.sf.F]	Frame Absorptance	
ApLbWnd6	DOUBLE CLEAR IG	2	0.6514	0.8800	0.8120	0.4340	0.7000	☐

Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]	
18	Matl18	2 in. Wood	No	2.3857	0.1670	0.0700	37.00	0.3900	☐
264	Matl264	ALUMINUM, 1/16 IN	No	0.0002	0.0050	26.0000	480.00	0.1000	☐
214	Matl214	POLYSTYRENE, EXP., 1-1/4IN,	No	5.2100	0.1042	0.0200	1.80	0.2900	☐
187	Matl187	GYP OR PLAS BOARD,1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000	☐
206	Matl206	CELLULOSE,FILL,5.5IN,R-20	No	20.8318	0.4583	0.0220	3.00	0.3300	☐
151	Matl151	CONC HW, DRD, 140LB, 4IN	No	0.4403	0.3333	0.7570	140.00	0.2000	☐
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300					☐
265	Matl265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000	☐
48	Matl48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	☐
123	Matl123	CONC BLOCK MW,8IN,HOLLOW	No	1.7227	0.6667	0.3870	53.00	0.2000	☐
159	Matl159	CONC HW-UNDRD-140LB-4IN	No	0.3202	0.3333	1.0410	140.00	0.2000	☐
57	Matl57	3/4 in. Plaster or gypsum	No	0.1488	0.0625	0.4200	100.00	0.2000	☐
72	Matl72	AIR LAYER, 3/4IN OR LESS, VERT. WALLS	Yes	0.9000					☐
267	Matl267	0.75" stucco	No	0.1563	0.0625	0.4000	16.00	0.2000	☐
266	Matl266	2x4@16" oc + R11 Batt	No	8.3343	0.2917	0.0350	9.70	0.2000	☐

215	Matl215	POLYSTYRENE, EXP., 2IN,	No	8.3350	0.1667	0.0200	1.80	0.2900	☐
105	Matl105	CONC BLK HW, 8IN, HOLLOW	No	1.1002	0.6667	0.6060	69.00	0.2000	☐
256	Matl256	WOOD, SOFT, 1-1/2IN	No	1.8939	0.1250	0.0660	32.00	0.3300	☐
268	Matl268	0.625" stucco	No	0.1302	0.0521	0.4000	16.00	0.2000	☐
42	Matl42	8 in. Lightweight concrete block	No	2.0212	0.6670	0.3300	38.00	0.2000	☐
269	Matl269	.75" ISO BTWN24" oc	No	2.2321	0.0625	0.0280	4.19	0.3000	☐
86	Matl86	BRICK, COMMON, 4IN	No	0.8012	0.3333	0.4160	120.00	0.2000	☐
211	Matl211	POLYSTYRENE,EXP.,1/2IN,	No	2.0850	0.0417	0.0200	1.80	0.2900	☐
12	Matl12	3 in. Insulation	No	10.0000	0.2500	0.0250	2.00	0.2000	☐
218	Matl218	POLYURETHANE,EXP.,1/2 IN,	No	3.2077	0.0417	0.0130	1.50	0.3800	☐
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	☐
4	Matl4	Steel siding	No	0.0002	0.0050	26.0000	480.00	0.1000	☐
271	Matl271	2x4@24" oc + R11 Batt	No	10.4179	0.2917	0.0280	7.11	0.2000	☐
272	Matl272	Panel with 7/16" panels	Yes	0.9044					☐
273	Matl273	Hollow core flush (1.375")	Yes	1.2777					☐
274	Matl274	Solid core flush (1.375")	Yes	1.7141					☐
275	Matl275	Panel with 7/16" panels (1.375")	Yes	1.0019					☐
276	Matl276	Hollow core flush (1.75")	Yes	1.3239					☐
277	Matl277	Panel with 1-1/8" panels (1.75")	Yes	1.7141					☐
278	Matl278	Solid core flush (1.75")	Yes	1.6500					☐
279	Matl279	Solid core flush (2.25")	Yes	2.8537					☐
280	Matl280	Fiberglass/Mineral wool core	Yes	0.8167					☐
281	Matl281	Paper Honeycomb core	Yes	0.9357					☐
282	Matl282	Solid Urethane foam core	Yes	1.6500					☐
283	Matl283	Solid mineral fiberboard core	Yes	1.7816					☐
284	Matl284	Polystyrene core (18 ga steel) 1	Yes	2.0071					☐
285	Matl285	Polyurethane core (18 ga steel) 2	Yes	2.5983					☐
286	Matl286	Polyurethane core (24 ga steel) 1	Yes	2.5983					☐

287	Matl287	Polyurethane core (24 ga steel) 2	Yes	4.1500					☐
288	Matl288	Solid Urethane foam core	Yes	4.1500					☐
81	Matl81	ASPHALT-ROOFING, ROLL	Yes	0.1500					☐
244	Matl244	PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	☐
185	Matl185	CLAY TILE, PAVER, 3/8IN	No	0.0301	0.0313	1.0410	120.00	0.2000	☐
82	Matl82	ASPHALT-SHINGLE AND SIDING	Yes	0.4400					☐
11	Matl11	2 in. Insulation	No	6.6800	0.1670	0.0250	2.00	0.2000	☐
47	Matl47	2 in. Heavyweight concrete	No	0.1670	0.1670	1.0000	140.00	0.2000	☐
95	Matl95	CONC BLOCK HW-4IN-HOLLOW	No	0.7107	0.3333	0.4690	101.00	0.2000	☐
248	Matl248	ROOF GRAVEL OR SLAG1/2IN	No	0.0500	0.0417	0.8340	55.00	0.4000	☐
94	Matl94	BUILT-UP ROOFING, 3/8IN	No	0.3366	0.0313	0.0930	70.00	0.3500	☐

Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1001	Wood door, 2 in.	No	No	0.42	2.41	37.00	2.3857	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor
1	18	2 in. Wood	0.1670	0.00

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1004	Concrete floor, carpet and rubber pad	No	No	0.60	9.33	140.00	1.6703	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	151	CONC HW, DRD, 140LB, 4IN	0.3333	0.00	☐
2	178	CARPET W/RUBBER PAD		0.00	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1014	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	No	No	0.26	9.70	62.72	3.7856	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	105	CONC BLK HW, 8IN, HOLLOW	0.6667	0.00	
2	269	.75" ISO BTWN24" oc	0.0625	0.00	☐
3	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.00	☐
					☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1038	Shngl/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	No	No	0.03	1.50	8.22	31.2351	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	81	ASPHALT-ROOFING, ROLL		0.00	☐
2	244	PLYWOOD, 1/2IN	0.0417	0.00	☐
3	12	3 in. Insulation	0.2500	0.00	☐
4	23	6 in. Insulation	0.5000	0.00	☐
5	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.00	☐

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22 FORM 400A-2001

Whole Building Performance Method for Commercial Buildings

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

Short Desc: New Prj
Owner: Pine Grove Baptist Church
Address: Enter Address here
Hwy 441 North
City: Lake City
State: FL
Zip: 32055

Type: Assembly
Class: Addition to existing Building

Project: Fellowship Hall Addition

PermitNo: 0
Storeys: 1

GrossArea: 2416
Net Area: 2416

Max Tonnage: 5 (if different, write in)

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Use	76.82	100.00	**PASSES**
Other Envelope Requirements - A			**PASSES**
LIGHTING CONTROLS			**PASSES**
EXTERNAL LIGHTING			**PASSES**
HVAC SYSTEM			**PASSES**
PLANT			**PASSES**
WATER HEATING SYSTEMS			**PASSES**
PIPING SYSTEMS			**PASSES**
Met all required compliance from Check List?			**Yes/No/NA**

IMPORTANT NOTE: An input report Print-Out from EnergyGauge FlaCom of this design building must be submitted along with this Compliance Report.

COMPLIANCE CERTIFICATION:

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Efficiency Code. **PREPARED BY:** William H. Freeman **DATE:** 7/13/06 I hereby certify that this building is in compliance with the Florida Energy Efficiency Code. **OWNER AGENT:** _____ **DATE:** _____	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S. **BUILDING OFFICIAL:** _____ **DATE:** _____

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

		REGISTRATION No.
ARCHITECT :	William H. Freeman	PE #56001
ELECTRICAL SYSTEM DESIGNER:	William H. Freeman	PE #56001
LIGHTING SYSTEM DESIGNER:	William H. Freeman	PE #56001
MECHANICAL SYSTEM DESIGNER:	William H. Freeman	PE #56001
PLUMBING SYSTEM DESIGNER:	William H. Freeman	

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

Project: New Prj
Title: Fellowship Hall Addition
Type: Assembly
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONVILLE.TMY)

Whole Building Compliance

	Design	Reference
Total	*76.82*	*100.00*
ELECTRICITY	76.82	100.00
AREA LIGHTS	11.84	24.41
MISC EQUIPMT	6.79	6.79
PUMPS & MISC	0.09	0.09
SPACE COOL	14.18	24.78
VENT FANS	43.92	43.92

Credits & Penalties (if any): Modified Points: = 76.83 **PASSES**

Project: New Prj
Title: Fellowship Hall Addition
Type: Assembly
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONVILLE.TMY)

Other Envelope Requirements

Item	Zone	Description	Design	Limit	Meet Req.
Pr0Zo1Rf1	Pr0Zo1	Exterior Roof - Max Uo Limit	0.03	0.09	Yes

Meets Other Envelope Requirements

Project: New Prj
Title: Fellowship Hall Addition
Type: Assembly
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONVILLE.TMY)

External Lighting Compliance

Description	Category	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Exit (with or without Canopy)	25.00	3.0	75	75
Ext Light 2	Entrance (w/ Canopy) Light traffic-hospital, office, school etc	4.00	350.0	1,400	240

Design: 315 (W)
Allowance: 1475 (W)

PASSES

Project: New Prj
Title: Fellowship Hall Addition
Type: Assembly
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONVILLE.TMY)

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	No. of Tasks	Design CP	Min CP	Compli-ance
Pr0Zo1Sp1	5	Electrical Mechanical Equipment Room - Control Room	40	1	4	4	PASSES
Pr0Zo1Sp2	13	Toilet and Washroom	80	1	8	8	PASSES
Pr0Zo1Sp3	3	Classroom/Lecture Hall	108	1	32	32	PASSES
Pr0Zo1Sp4	9	Food Service - Kitchen	72	1	8	8	PASSES

PASSES

Project: New Prj
Title: Fellowship Hall Addition
Type: Assembly
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONVILLE.TMY)

System Report Compliance

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

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp-liance
Cooling System	Air Cooled < 65000 Btu/h Cooling Capacity		13.00	10.00	8.00		PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.80			PASSES

PASSES

Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance

None

Project: New Prj
Title: Fellowship Hall Addition
Type: Assembly
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSONVILLE.TMY)

Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Comp liance
Water Heater 1	Storage Water Heater - Electric	<=120 [gal] & <= 12 [kW]	0.90	0.87			PASSES

PASSES

Piping System Compliance

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

None

Project: New Prj
Title: Fellowship Hall Addition
Type: Assembly
Location: LAKE CITY, COLUMBIA CO

Other Required Compliance

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

Moduflex SERIES 400 New from Panelfold

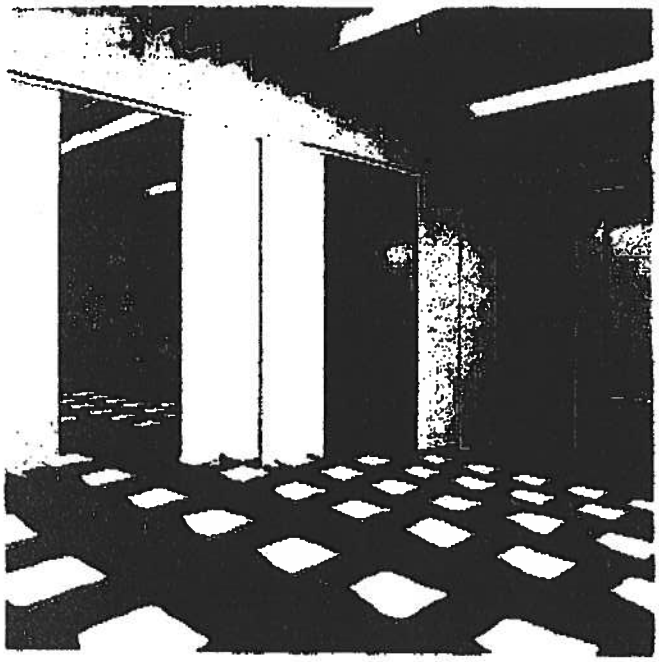
Introducing **Moduflex Series 400** operable walls with three inch thick panels for general purpose applications. High density panel faces are machine laminated to metal frames providing strength, mass and stability.

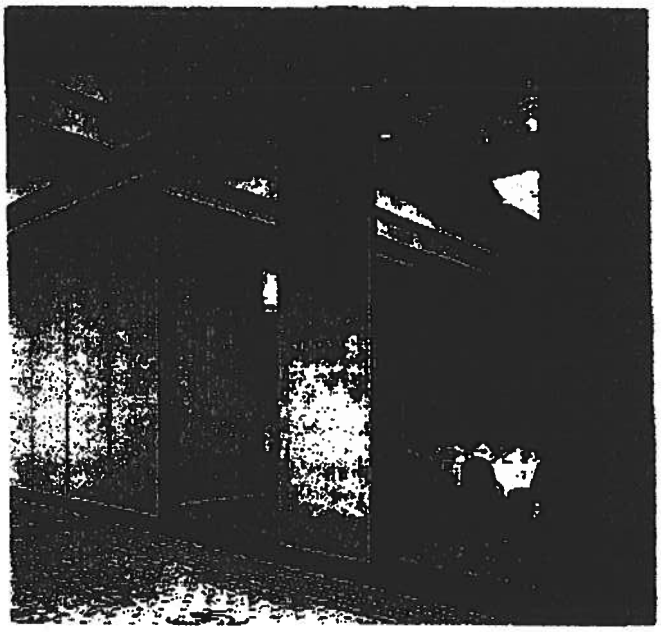
- **Sound transmission ratings to STC 50**
- **Class "A" flame spread rating**
- **Three inch thick panels**
- **Full height pin-tackable surfaces**
- **Sheer Look™ panel edges with no exposed trim**
- **Available to fourteen feet high**

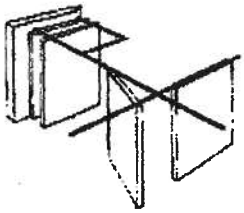
ACOUSTICAL PERFORMANCE.
Moduflex Series 400 fully operable walls have attained independent laboratory acoustical ratings of STC 50, STC 47, STC 44.

FULL RANGE FEATURES.
Moduflex Series 400 operable walls are available in individual, paired and continuously-hinged manually operated models. A full range of options including expanding panels, pass doors, chalk and tack boards are offered.

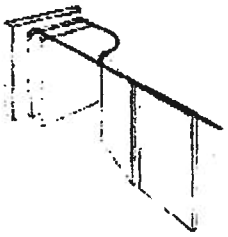
PANEL FINISHES.
Moduflex Series 400 is offered in Panelfold's full range of vinyl, fabric, wall carpet, wood veneers and other specialty finishes as well as Customer's Own Material.



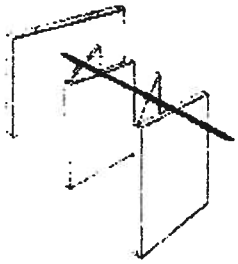




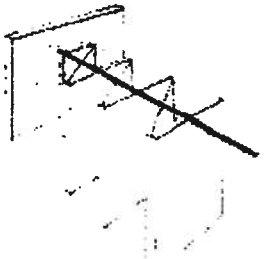
Model 410. Individual panels each top supported with two multi-directional carrier assemblies utilize track incorporating 2,3 and 4-way 90° intersections. Each panel can turn in any direction, anywhere along the track grid for virtually any desired wall or storage arrangement.



Model 410. Individual panels each top supported with two trucks of four radial type, steel ball-bearing wheels are the easiest of all panel systems to manually operate. Panels may be moved one at a time from side, angle or remote storage areas. Panels are preprogrammed to roll effortlessly through track diverters to create multiple use room layouts.



Model 420. Panels hinged in groups of two, each top supported by a truck of four radial type, steel ball-bearing wheels may be conveniently manually operated and "center" stacked along a single overhead track.



Model 430. Panels continuously-hinged together are top supported every other panel by a truck of four radial type, steel ball-bearing wheels.

OPERABLE WALLS Panelfold®

Moduflex® SERIES 400
Paired Panels Model 420

PRODUCT SPECIFICATIONS: SECTION 10650 - OPERABLE WALLS

PART 1 GENERAL
(See Project Guide Specifications for Scope, Related Work, References, Submittals, Product Delivery and Acceptable Manufacturers paragraphs)

PART 2 PRODUCTS

2.1 OPERABLE WALLS shall be manufactured by Panelfold, Inc., Miami, Florida, U.S.A. and installed by an authorized representative of the manufacturer in openings prepared by others to Moduflex® Series 400 requirements.

2.2 OPERATION shall consist of a series of manually operated flat panels, top supported. Top and bottom seals shall be as specified in paragraph 2.8.

2.3 PANEL CONFIGURATION shall be as follows for areas indicated on the plans:
- 2.3.1 MODEL 420 shall be comprised of panels hinged in pairs, and center stacking (located in room(s):).
- 2.3.2 Final closure shall be effected by (specify: Single or bi-fold Panels; L-Jamb; Expandable Panels; or Jamb-Hinged Communicating Panels).

2.4 PANELS shall be 3" (76) thick and nominally 49" (1245) wide. Panel faces shall be laminated to metal frames. Panels shall have appropriate internal insulation to achieve specified STC. The tops of the panels shall be reinforced to support suspension components. OPTIONAL STEEL FACES.

The vertical edges of the panels shall not require trim thus minimizing the appearance of the vertical joining of the Sheer-Look® panels.

2.5 PANELS shall be factory surfaced with one of the following (colors to be selected from manufacturer's standards):
- 2.5.1 Manufacturer's standard vinyl, Class A flame spread (specify Type I; or Type II).
- 2.5.2 Manufacturer's standard Ribtex®, vertical-rib wall carpeting, Class A minimum weight 21 oz. per lineal yard, fused bonded backing.
- 2.5.3 Manufacturer's Woventex®, panel fabric, Class A, acrylic backed.
- 2.5.4 Maharam Tekwall 1000 panel fabric, Class A acrylic backed.
- 2.5.5 Genuine unfinished wood veneer shall be (specify: White Ash, Red Oak, Natural Birch, American Walnut or other species as specified).
- 2.5.6 High pressure plastic laminate, vertical grade.
- 2.5.7 Customer's Own Material to be factory applied (subject to approval by the manufacturer for suitability to standard manufacturing processes and equipment).
- 2.5.8 Unsurfaced panel skins for field finishing by others.

2.6 HANGING WEIGHT of panels shall not exceed 8 lbs./ft² (39.1 kg/m2).

2.7 ACOUSTICAL RATING as tested by an independent acoustical laboratory in accordance with ASTM E90-81 test procedures in a full scale 14'0" (4267) by 9'3" (2819) opening shall be (specify: STC 50, STC 47, or STC 44.

2.8 SOUND SEALS shall be as follows:
- 2.8.1 Vertical seals between panels shall consist of deep nesting, universal interlocking ESP bronze steel astragals incorporating continuous, vinyl acoustical seals. Vertical astragal vinyl seals shall be installed on the outboard edges of the panel skins in a double row with an acoustical labyrinth.
- 2.8.2 Horizontal TOP seals shall be continuous contact extruded vinyl shapes.
- 2.8.3 Horizontal BOTTOM seals shall be (specify: 1 1/2" (38) clearance-type automatically actuated by the movement of one panel-pair against the other; or 1 1/2" (38) clearance-type manually actuated at waist height on panel edges). Downward pressure of all clearance-type seal mechanisms shall assure an acoustical seal and resist panel movement.

2.9 SUSPENSION SYSTEM shall be heavy duty aluminum Type 7/8 track. Track shall be supported by (specify: adjustable steel hanger rods; or direct mount). Panels shall be supported by trolley assemblies of radial type nylon tired or carbon fiber fill tired, steel ball-bearing wheels. Trolleys shall be attached to the panels with adjustable steel pendant bolts with locks to prevent panel misalignment.

2.10 PANELS that are hinged together shall be hinged with manufacturer's standard butt-type hinges.

2.11 POCKET DOORS where indicated on the plans shall be manufactured of the same materials as the panels. Hinges shall be standard butt-type.

PART 3 EXECUTION
(See Project Specifications Guide for Execution, Installation, Cleaning and Demonstration paragraphs).

NOTE: The ASTM - 84 procedure Class A flame spread and other test results referenced herein are for comparison purposes only and are not intended to reflect hazards presented by this or any other materials under actual fire conditions.

5A 491.14

For further information, or additional technical information, contact your Panelfold distributor.

Panelfold®
FOLDING DOORS • ACOUSTICAL FOLDING PARTITIONS
OPERABLE WALLS • RELOCATABLE WALLS
Panelfold, Inc. P.O. Box 680130, Miami, Florida 33168
(305) 688-3501 • FAX: (305) 688-0185

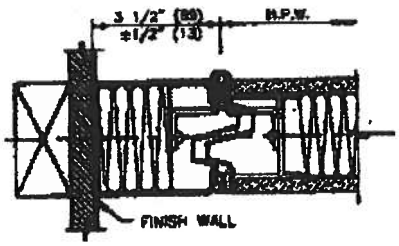
A

Panelfold

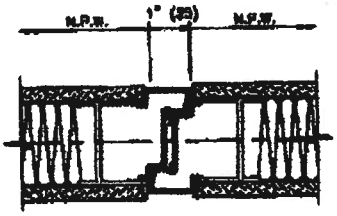
Moduflex® SERIES 400
Paired Panels Model 420

JAMBS AND PANEL INTERLOCKING DETAILS

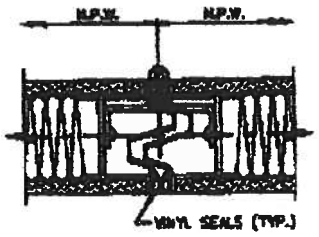
N.P.W. = NOMINAL PANEL WIDTH



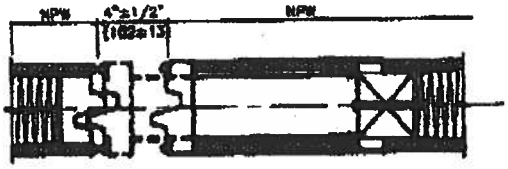
(A) ADJ. HINGED JAMB



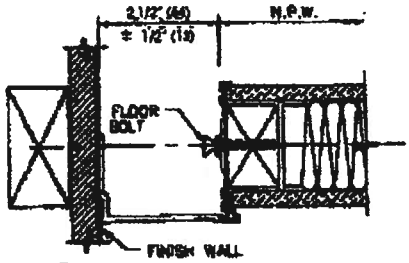
(C) CLOSURE DETAIL



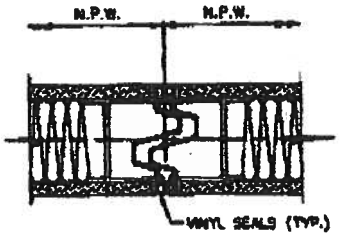
(D) HINGED INTERLOCK



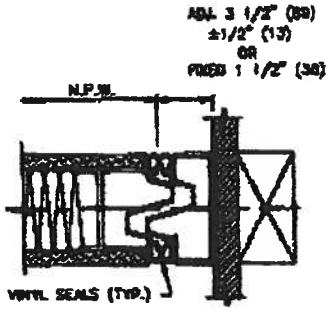
(X) EXPANDABLE PANEL WITH INTERLOCK



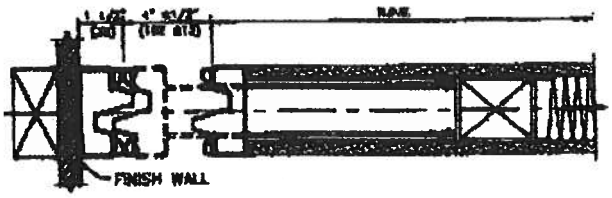
(L) "L" JAMB



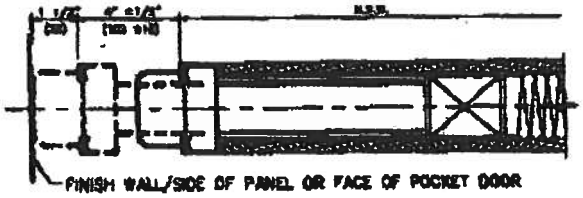
(E) INTERLOCK



(G) LEAD JAMB

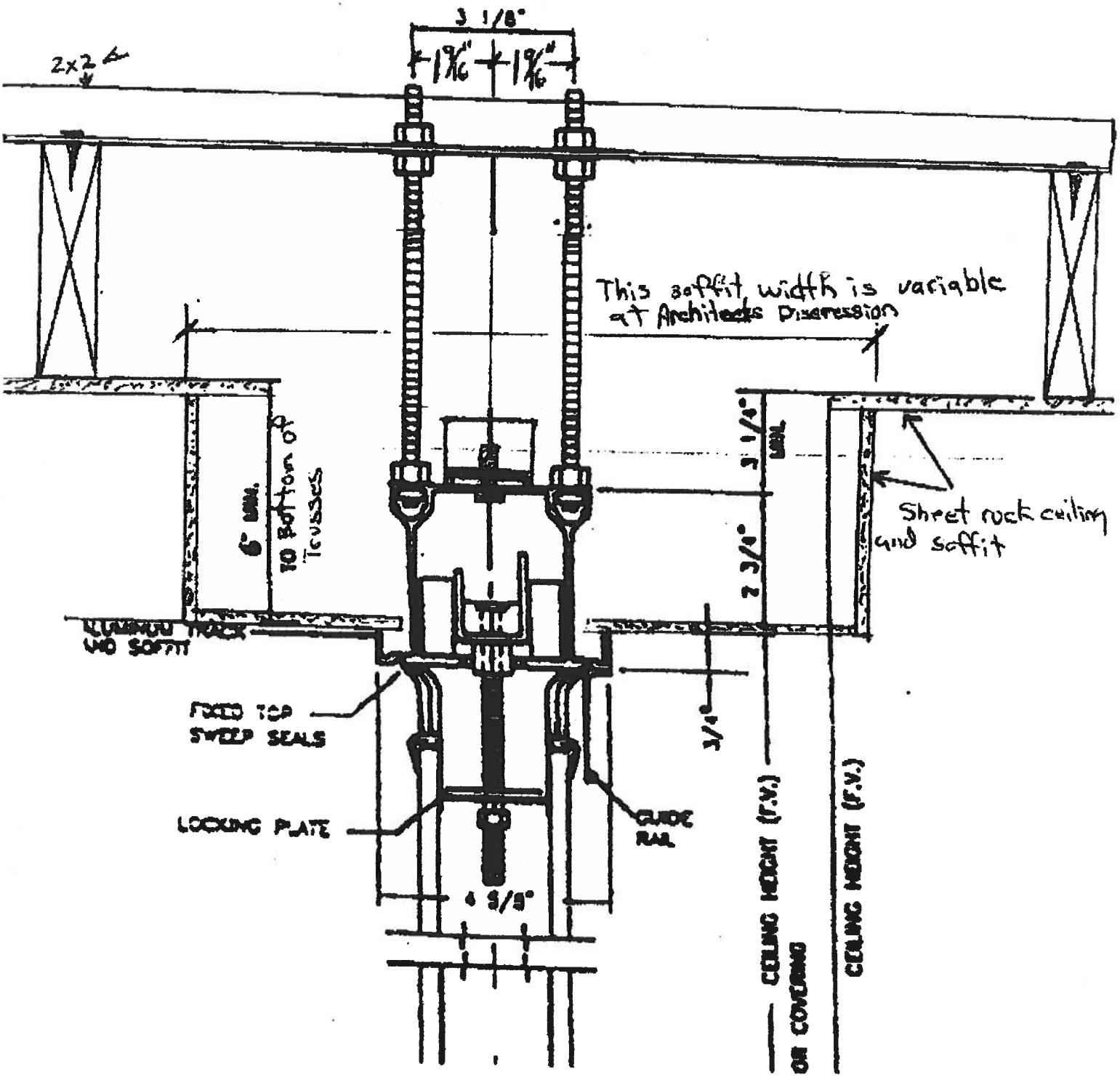


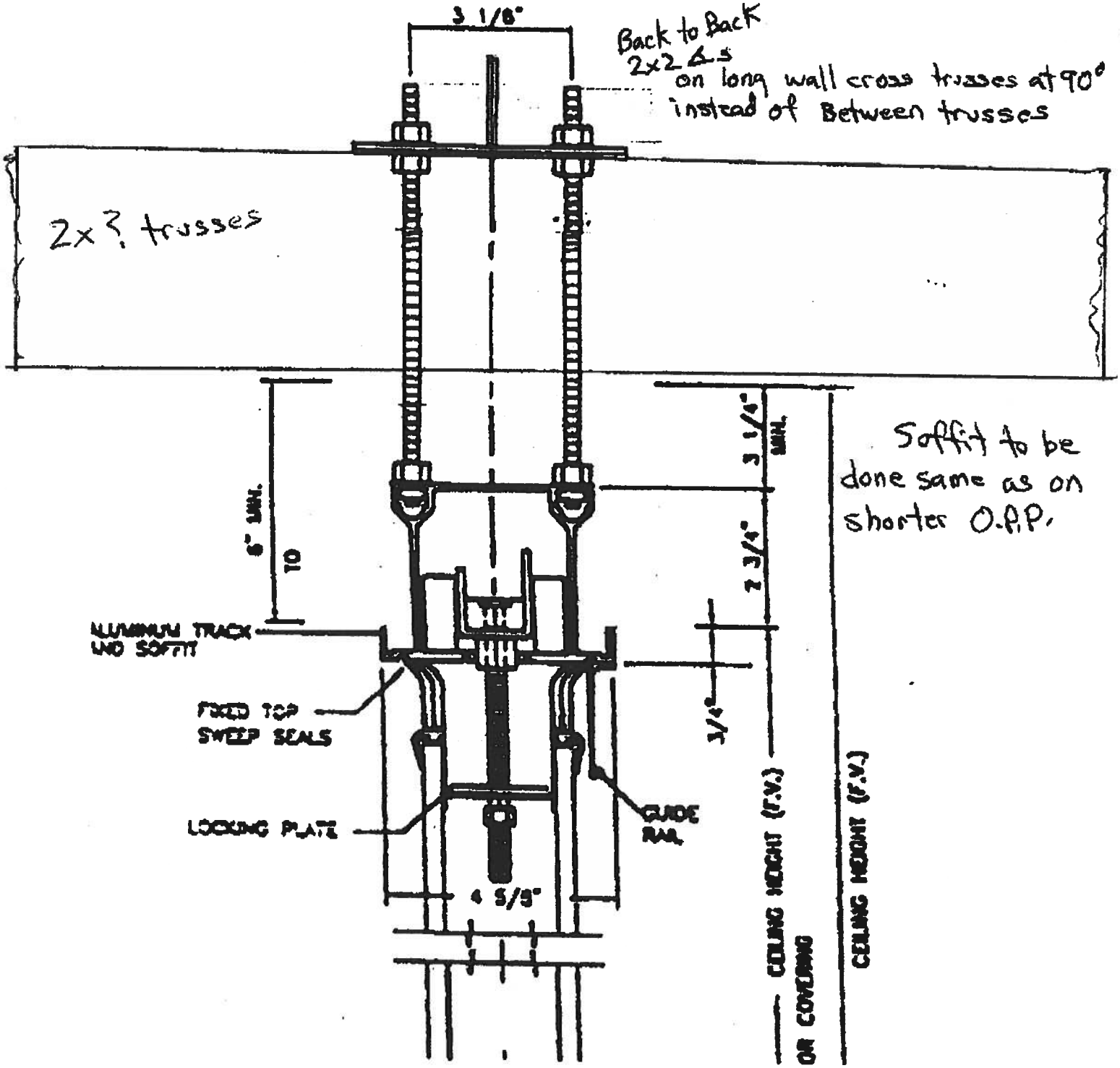
(R) EXPANDABLE PANEL WITH INTERLOCK AT JAMB



(T) EXPANDABLE PANEL WITH SOFT SEAL

All dimensions shown in parentheses are millimeters. Scale: N.T.S.


3 1/8"
+1⅜"
+1⅜"
2x2
This soffit width is variable at Architects Discression
6" MIN. TO Bottom OF Trusses
ALUMINUM TRACK AND SOFFIT
Sheet rock ceiling and soffit
3 1/8" MIN.
2 3/4"
3/4"
FIXED TOP SWEEP SEALS
LOCKING PLATE
GUIDE RAIL
4 5/8"
CEILING HEIGHT (F.V.) OR COVERING
CEILING HEIGHT (F.V.)


3 1/8"
Back to Back
2x2 Δs
on long wall cross trusses at 90°
instead of Between trusses
2x? trusses
Soffit to be
done same as on
shorter O.P.
8" MIN.
10
3 1/4" MIN.
2 3/4"
3/4"
ALUMINUM TRACK
AND SOFFIT
FIXED TOP
SWEEP SEALS
LOCKING PLATE
GUIDE
RAIL
4 5/8"
CEILING HEIGHT (F.V.)
OR COVERING
CEILING HEIGHT (F.V.)

Architectural Testing

ANSI/AAMA/NWWDA 101/I.S.2-97
TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 480/680/880 Drop-in
PRODUCT TYPE: Aluminum Horizontal Sliding Window (XO-Fin)

	Results	
Title	**Test Specimen #1**	**Test Specimen #2**
Rating	HS-C30 71 x 71	HS-C40 71 x 59
Operating Force	11 lbf max.	14 lbf max.
Air Infiltration	0.11 cfm/ft^2	0.09 cfm/ft^2
Water Resistance Test Pressure	5.3 psf	6.0 psf
Uniform Load Deflection Test Pressure	± 30.0 psf	+ 45.0 psf -47.2 psf
Uniform Structural Load Test Pressure	± 45.0 psf	+ 67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10	Grade 10

Reference should be made to ATI Report Identification No. 01-47320.03 for complete test specimen description and data.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Architectural Testing

ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.
P.O. Box 370
650 West Market Street
Gratz, Pennsylvania 17030-0370

ATI Report Identification No.: 01-47320.03
Test Dates: 10/07/03
Through: 10/08/03
And: 12/01/03
And: 12/15/03
And: 03/17/04
Report Date: 04/16/04
Expiration Date: 10/07/07

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products. Inc. to witness testing on two Series/Model 480/680/880 Drop-in, aluminum horizontal sliding windows at MI Home Products, Inc. test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: HS-C30 71 x 71; Test Specimen #2: HS-C40 71 x 59. Test specimen description and results are reported herein.

Test Specification: The test specimens were evaluated in accordance with ANSI/AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 480/680/880 Drop-in

Product Type: Aluminum Horizontal Sliding Window (XO Fin)

Test Specimen #1: HS-C30 71 x 71

Overall Size: 5' 11-7/16" wide by 5' 11" high

Active Sash Size: 2' 11-5/8" wide by 5' 8-3/8" high

Fixed Daylight Opening Size: 2' 8-3/16" wide by 5' 5-5/8" high

Screen Size: 2' 10" wide by 5' 6-1/2" high

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.250" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails and fixed meeting rail interlock
0.250" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile

Test Specimen #2: HS-C40 71 x 59

Overall Size: 5' 11-3/8" wide by 4' 11-1/8" high

Active Sash Size: 2' 11-5/8" wide by 4' 8-1/4" high

Fixed Daylight Opening Size: 2' 8-1/4" wide by 4' 5-7/8" high

Screen Size: 2' 10-1/4" wide by 4' 7-1/8" high

Weatherstripping:

Description	Quantity	Location
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails
0.250" high by 0.187" backed polypile with center fin	1 Rows	Fixed meeting rail interlock
0.310" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile
0.550" high by 1" by 1" backed polypile pad	1 Pad	Corner of bottom rail and locking stile

Test Specimen Description: (Continued)

The following descriptions apply to all specimens.

Finish: All aluminum was white.

Glazing Details: The window utilized 5/8" thick sealed insulating glass constructed from two sheets of 1/8" thick clear annealed glass and a Swiggle spacer system. The lites were interior glazed onto double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

Frame Construction: The frame was constructed of thermally broken extruded aluminum. The corners were secured utilizing three #8 x 1" screws per corner through the jambs into the head and sill screw bosses. End caps were utilized on the ends of the fixed meeting rails and secured with two #8 x 3/4" screws per cap. The meeting rails were then secured to the frame with two #8 x 3/4" screws.

Sash Construction: The sash was constructed of thermally broken extruded aluminum. The corners were secured utilizing one #8 x 1" screw per corner through the head and sill into the jambs screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible vinyl spline.

Hardware:

Description	Quantity	Location
Cam lock	1	One midspan of active panel with integral lock keeper on fixed meeting stile
Roller assembly	2	One each end of bottom rail
Screen constant force spring	2	5" from rails on screen stiles
Screen lift handles	2	5" from rails on screen stiles

Drainage:

Description	Quantity	Location
1-1/4" long by 1/4" wide weepslot with cover	2	3-1/2" from jambs on sill face
1/2" long by 1/8" wide weepslot	2	2" from jambs on sill track

Reinforcement: No reinforcement was utilized.

Installation: The window was installed into a #2 Spruce-Pine-Fir wood buck. The window was secured utilizing #8 x 1-5/8" drywall screws located in corners and 12" on center around nail-fin perimeter. Silicone was utilized around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-C30 71 x 71			
2.2.2.5.1	Operating Force	11 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.11 cfm/ft^2	0.3 cfm/ft^2 max.
	Note #1: The tested specimen meets the performance levels specified in ANSI/AAMA/NWWDA 101/I.S. 2-97 for air infiltration.		
2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.75"	See Note #2
	30.0 psf (negative)	0.71"	See Note #2
	Note #2: The Uniform Load Deflection test is not requirement of ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.		
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.13"	0.26" max.
	45.0 psf (negative)	<0.01"	0.26" max.
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.19"/38%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.09"/19%	0.50"/100%
	Bottom rail	0.06"/13%	0.50"/100%

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-C30 71 x 71 (Continued)			
2.1.8	Forced Entry Resistance per ASTM F 588		
Type: A	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 5.3 psf	No leakage	No leakage
Test Specimen #2: HS-C40 71 x 59			
2.2.2.5.1	Operating Force	14 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.09 cfm/ft^2	0.3 cfm/ft^2 max.
	Note #1: The tested specimen meets the performance levels specified in ANSI/AAMA/NWWDA 101/I.S. 2-97 for air infiltration.		
2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.62"	See Note #2
	30.0 psf (negative)	0.51"	See Note #2
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.03"	0.21" max.
	45.0 psf (negative)	0.04"	0.21" max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #2: HS-C40 71 x 59 (Continued)			
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.13"/25%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.03"/6%	0.50"/100%
	Bottom rail	0.03"/6%	0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	45.0 psf (positive)	0.62"	See Note #2
	47.2 psf (negative)	0.54"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	67.5 psf (positive)	0.04"	0.21" max.
	70.8 psf (negative)	0.08"	0.21" max.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced except in full without approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC

Digitally Signed by: Eric Westphal

Eric Westphal
Technician

Digitally Signed by: Steven M. Urich

Steven M. Urich, P. E.
Senior Project Engineer

EW:dme
01-47320.03

APRIL 20, 2004

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

In Swing

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: **The Ceco Series Single Flush / Embossed Inswing Commercial Steel Doors –Impact**

APPROVAL DOCUMENT: Drawing No RD0728, titled "3-0 x 7-0 , Series Regent, Omega, Imperial, Versa door", prepared by manufacturer, sheets 1 through 9 of 9 dated 05/22/02 and latest revised on 10-10-02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: **Large and Small Missile Impact**

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

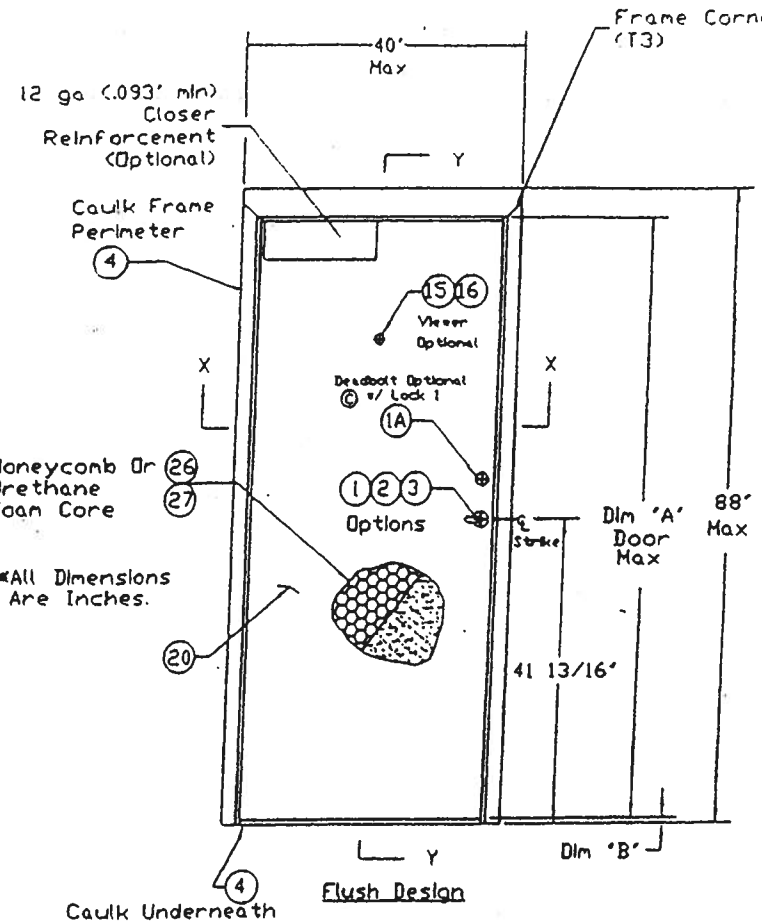
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

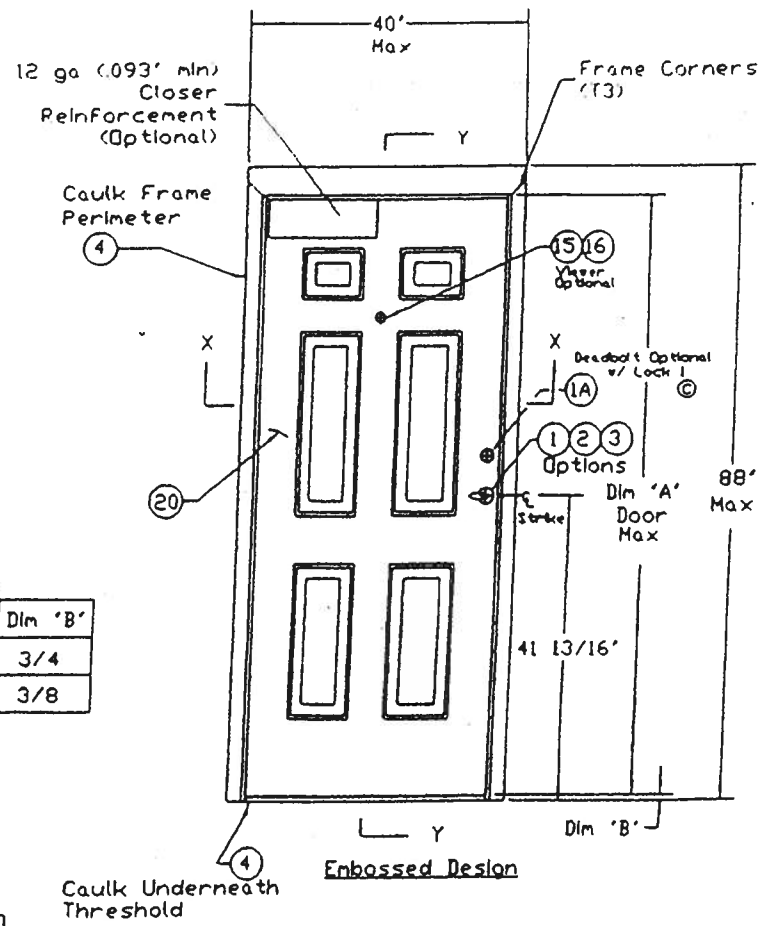
This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

PRODUCT CONTROL ACCEPTED



Flush Design



Enbossed Design

In-Swing Door (Exterior View)

	Dim 'A'	Dim 'B'
3/4' Undercut	83 1/8	3/4
3/8' Undercut	83 1/2	3/8

Approved as complying with the Florida Building Code
Date OCTOBER 31, 2002
NOA# 02-0807.09
Miami Dade Product Control Division
By Ishaq Chanda

Design Pressure Rating		
	Where Water Infiltration Requirement Is Needed	Where Water Infiltration Requirement Is Not Needed
Positive	Not Approved	+70 PSF
Negative	Not Approved	-70 PSF

Notes:
1) In-swing Not Approved For Water Infiltration
2) This Door Does Not Need A Hurricane Protection Systen
3) Hinge Spacing Is 33' O.C., 13' From Top Of Frame & 9' From The Botton.

MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series
Regent, Omega, Imperial, & Versadoor
In-Swing Elevation Drawing

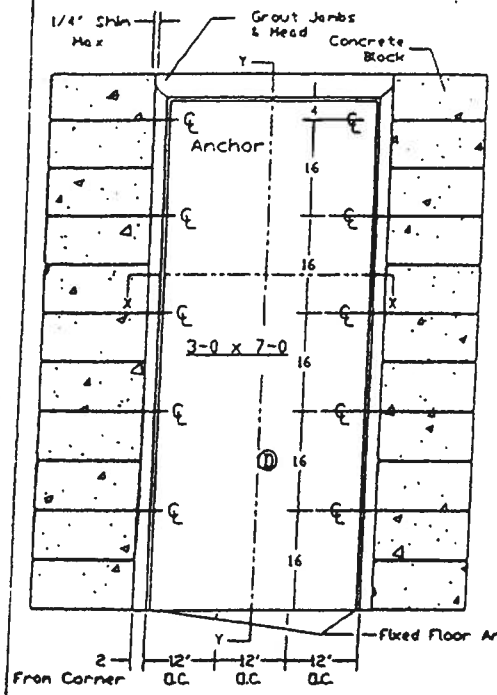
CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS		
B	10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A	8/28/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

ISSUE
DRAWN BY: LT
DATE: 5/22/02
DRAWING NUMBER: RD0728
Sheet 1 of 9

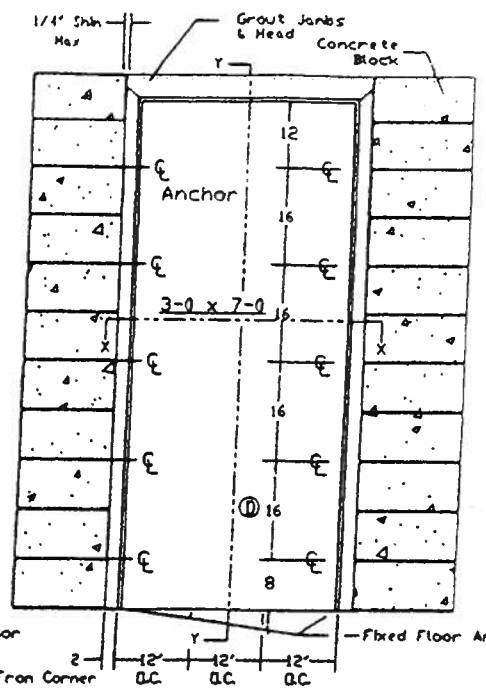
Masonry 'T' Anchor

Min. 3500 PSI



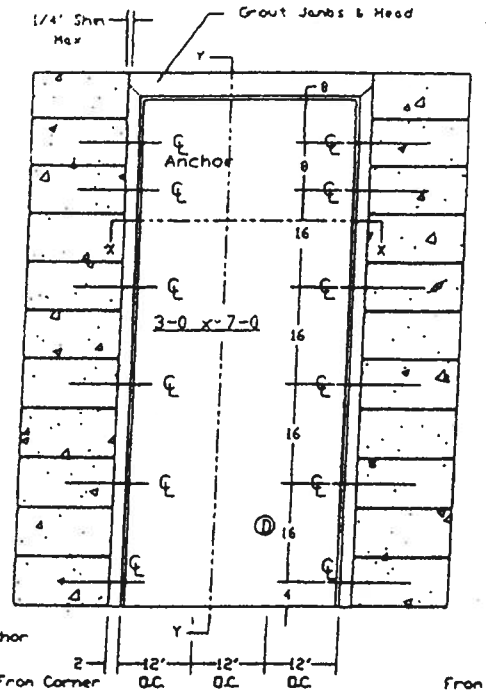
Masonry Wire Anchor

Min. 3500 PSI

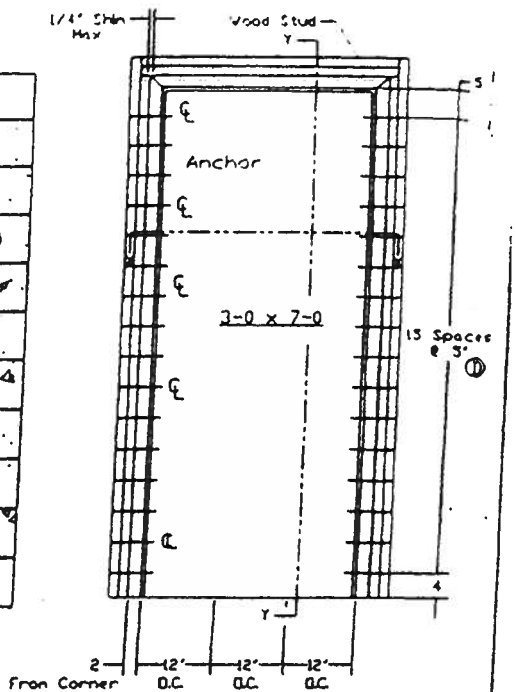


Existing Opening W/Lockbolt or Sleeve Anchor Into Block

Min. 3500 PSI

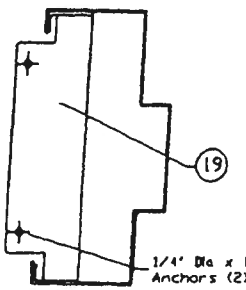


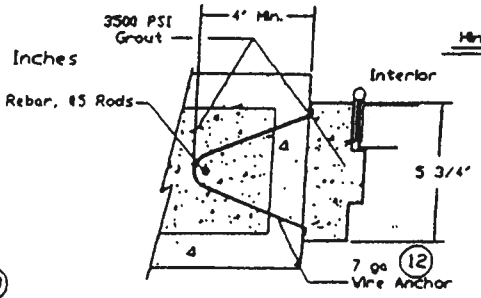
Existing Opening Anchor Into Wood Stud

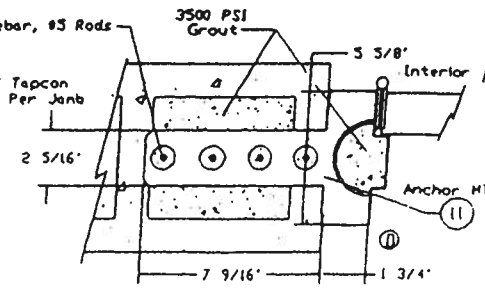


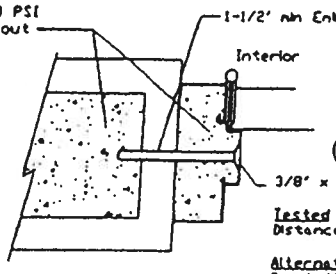
*All Dimensions Are Inches

Installation Details
Hinge Jambs / Lock Jambs



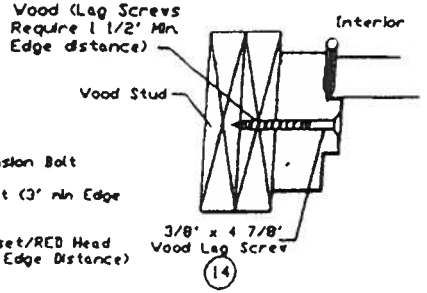


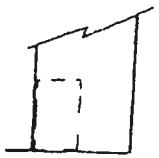




Tested Rawl Lok/Bolt (3" min Edge Distance)

Alternative ITW Ramset/RED Head Dynabolt (2-1/2" min Edge Distance)





MATERIAL SPECIFICATIONS

Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

ISSUE	REVISIONS
A LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details

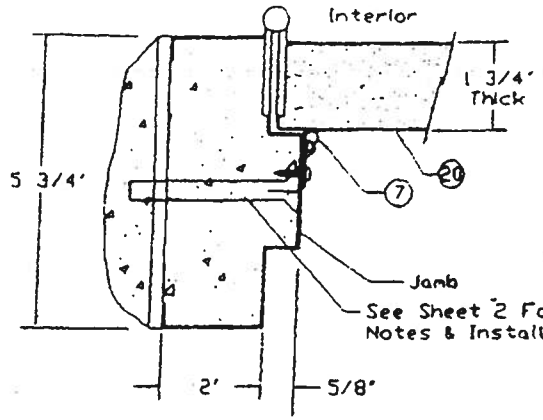
CECO DOOR PRODUCTS
Milan, Tennessee 38358

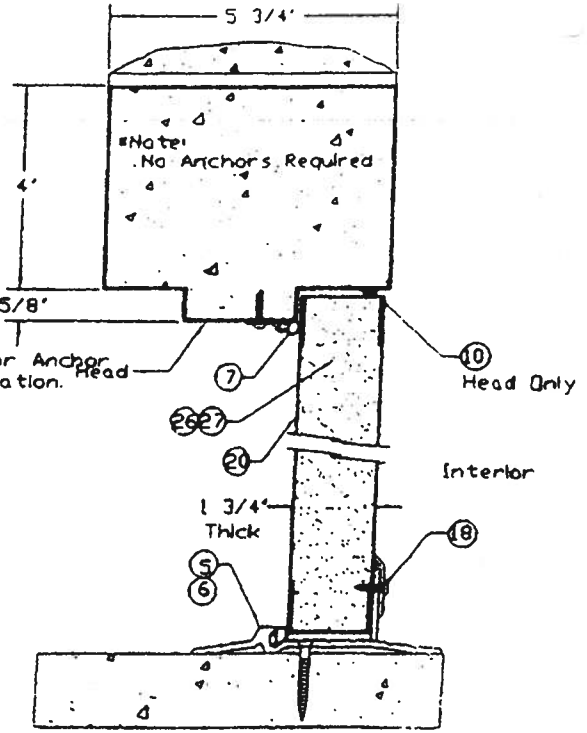
DRAWN BY: LT
DATE: 5/22/02

DRAWING NUMBER: RD0728

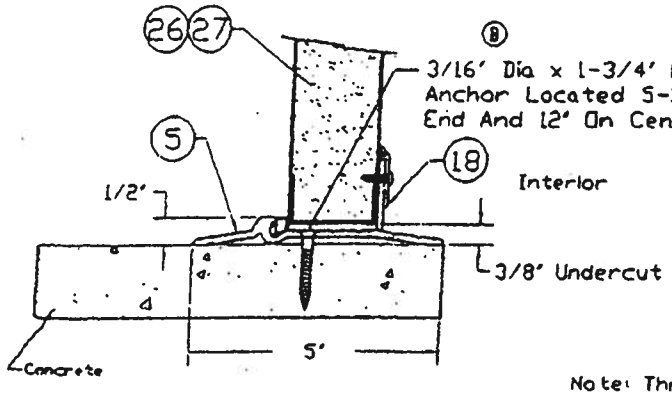
Sheet 2 of 9

*Note: Structural Member At Header Must Be Designed To carry 583#/ft load Imposed And Must Be Reviewed By Building Official.





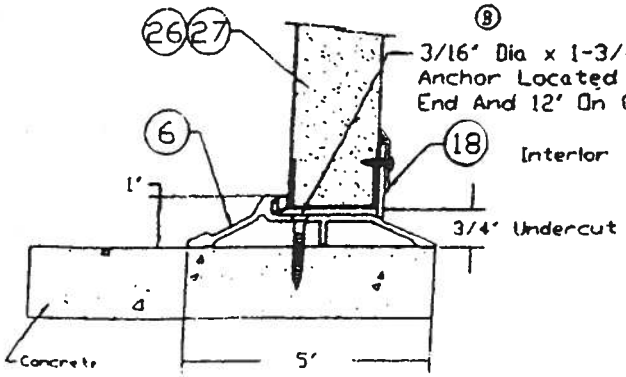
Section Y-Y



Threshold Pemko 200SAV

Inswing
(Not Approved For Water)

Note: Thresholds Not Approved For Water.



Threshold Pemko 181AV

Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0307.04
Miami-Dade Product Control Division
By Ishaq I. Chanda

B	LT	Revised Per Marked-Up Drawings From Ishaq Chanda
C	LT	Revised Per Marked-Up Drawings From Ishaq Chanda

MATERIAL SPECIFICATIONS:

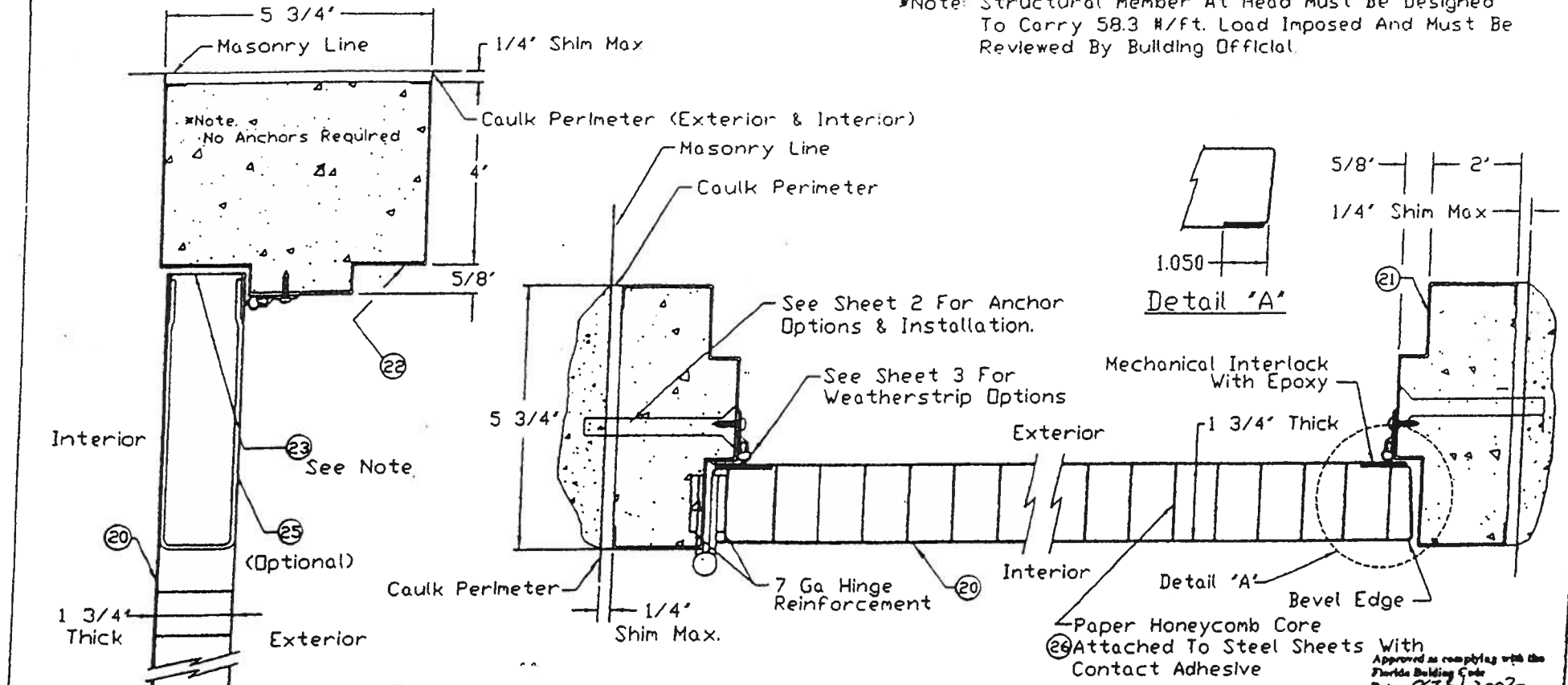
Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/22/02

RD0728
Sheet 3 Of 9

*Note: Structural Member At Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official



Section Y-Y

Section X-X

Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

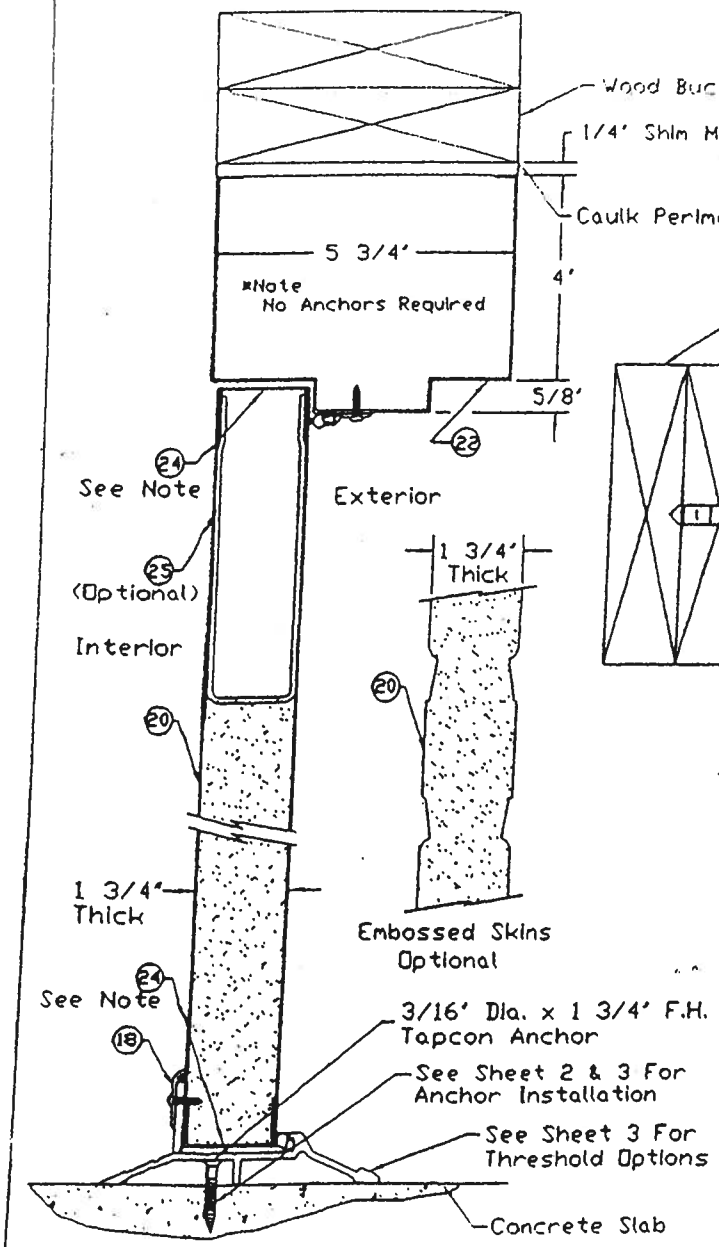
Approved as complying with the Florida Building Code
Date: OCT 31, 2002
NOA# 02-0207.04
Miami Dade Product Control Division
By: [signature]

C 10/31/02 LT	Revised Per Marked-up Drawings From Ishaq Chande.
B 9/25/02 LT	Revised Per Marked-up Drawings From Ishaq Chande.
ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/22/02
DRAWING NUMBER: RD0728	Sheet 5 of 9

MATERIAL SPECIFICATIONS:

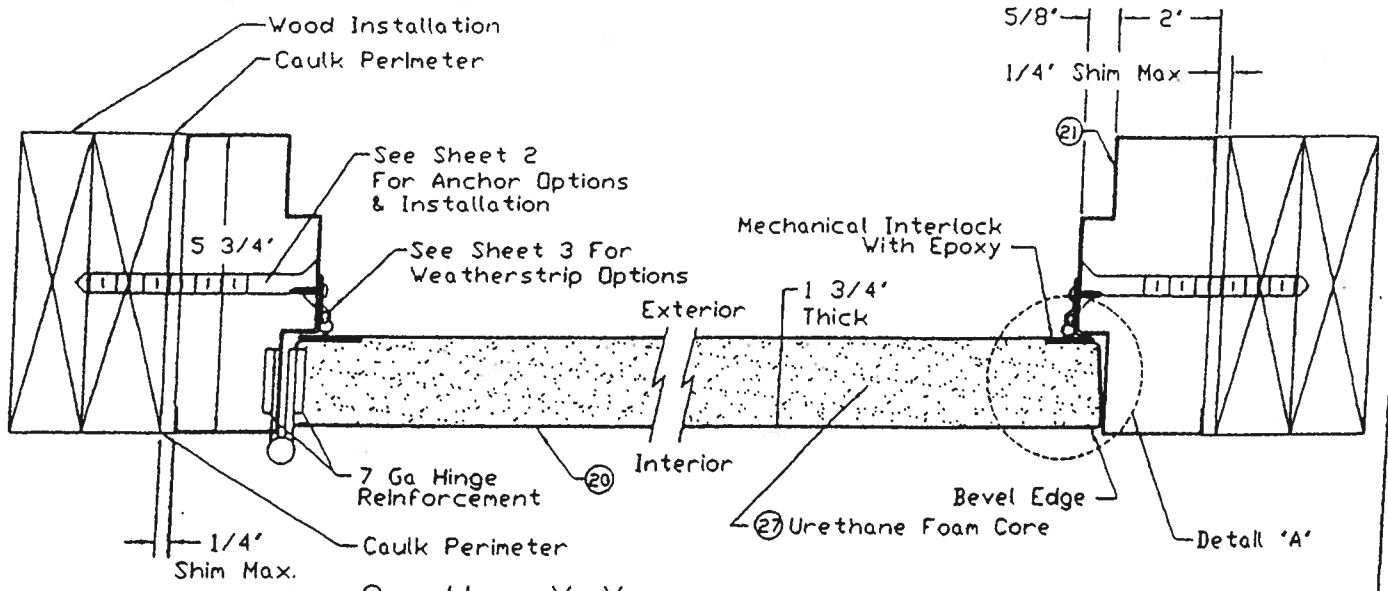
Cross Section View (Inswing Doors) Regent Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358



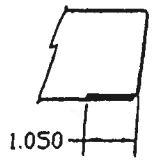
Section Y-Y

Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



Section X-X

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3' From Lock Edge And 6 Inches On Center.



Detail 'A'

Approved as complying with Florida Building Code
Date OCT 24 2002
NOA# 02-0807.04
Miami-Dade Product Control
Division
By Ishaq I. Chanda

B LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
ISSUE	REVISIONS

MATERIAL SPECIFICATIONS

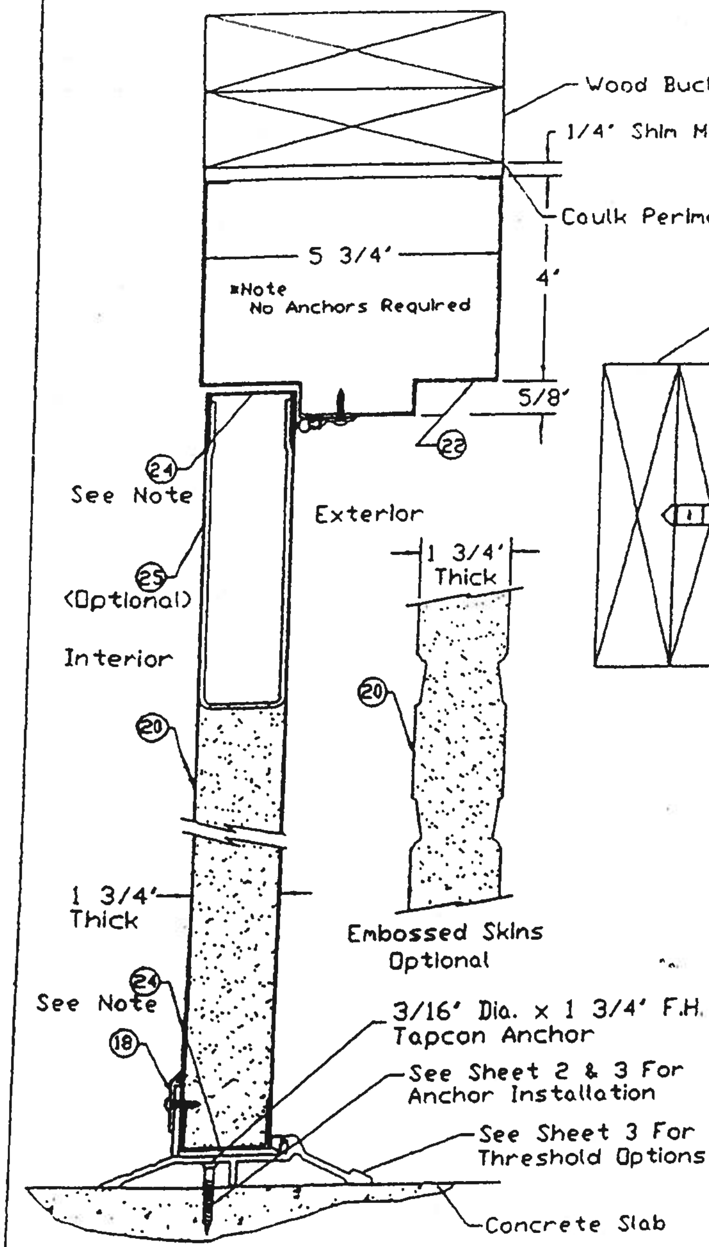
Cross Section View
(In-Swing Doors)
Imperial Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

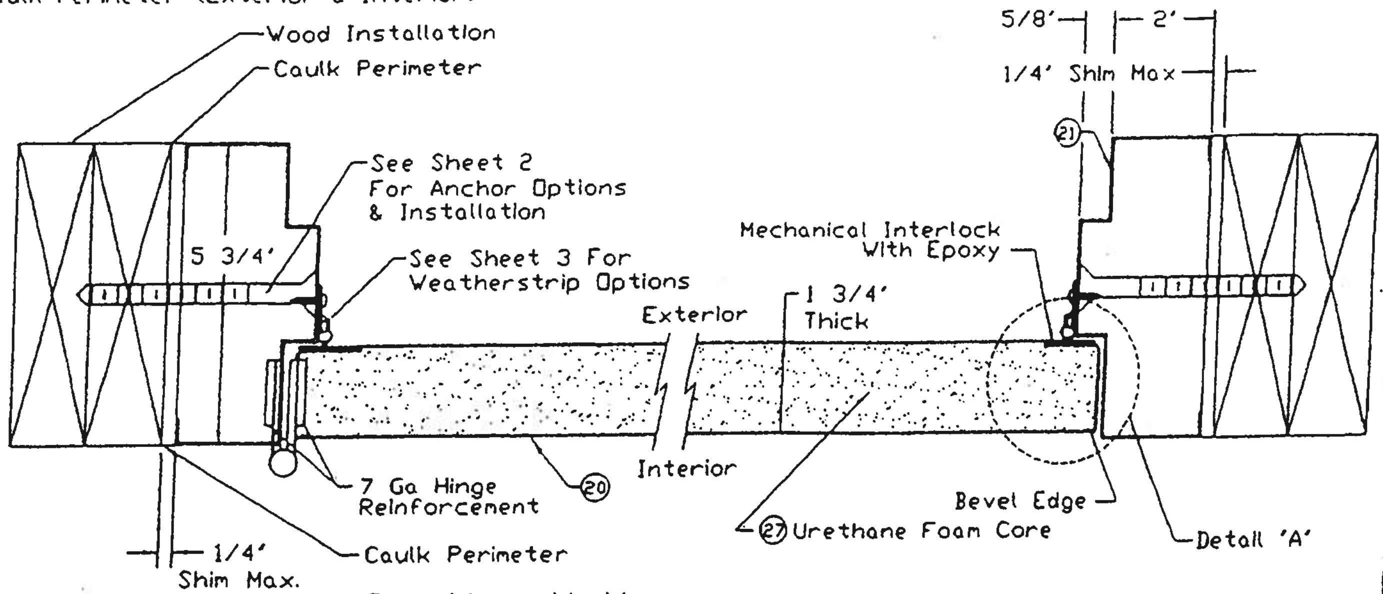
DRAWN BY:	DATE:
LT	5/23/02

DRAWING NUMBER
RD0728
Sheet 7 of 9

Note: Structural member at Head Must Be Designed To carry 58.3 #/ft Load Imposed And Must Be Reviewed By Building Official

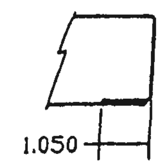


Section Y-Y



Section X-X

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3' From Lock Edge And 6 Inches On Center.



Detail 'A'

Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0607.04
Miami Dade Product Control Division
By Ishaq I. Chanda

B	LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
ISSUE		REVISIONS

MATERIAL SPECIFICATIONS:

Cross Section View
(In-Swing Doors)
Versadoor Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: LT
DATE: 5/23/02
DRAWING NUMBER: RD0728
Sheet 8 of 9

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53PD
1A	Deadbolt (Optional) Ⓓ	Schlage	B100
2	Or Cylindrical Lock & Lock Reinforcement	Saflok	Premier SL2500
3	Or Mortise Lock	Saflok	MT
4	Caulk	Dow Corning	899 Silicone Glazing Sealant
5	Threshold	Pemko	2005AV36
6	Or	Pemko	181AV36
7	Weatherstrip	Pemko	303AV3684
8	Hinge (Ball Bearing)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 HS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
9	Or (Spring)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 HS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Pemko	S88
11	Frame Anchor	Masonary Tee (RD0057)	16 ga (.053' min) Galv Steel Fymin = 30ksi
12	Or	Wire, Relaxed Dimension 9' x 8'	#7 (.167 ' min) Galv Steel Wire (70,000 - 90,000 psi Tensile Strength)
13	Or	Expansion Bolt	3/8' x 5' F.H. Rawl Lok/Bolt Or 3/8' x 5' F.H. Ramset/RED Head
14	Or	Wood Lag Screw	3/8' x 4-5/8'
15	Viewer	Hager	1755
16	Or	MAG Security	8724-C
17	Drip Cap) Top	Pemko	346
18	Sweep	Pemko	315 N
19	Floor Anchor	Fixed Floor Anchor	16 ga (.053' min) galvanized Steel
20	Face Sheet A60 Galv Conforming To ASTM A653	Connercial Steel Type B (Minimum Yield Strength 30,000psi)	16 Ga (.053' min)
21	Series SF, Frame Jamb, Double Rabbet Profile, A60 Galv Conforming To ASTM A653	16 Ga (.053' min) Connercial Steel Type B (Minimum Yield Strength 30,000psi)	2' Face, 5-3/4' Depth Min. (RD0033)
22	Series SF, Frame Head, Double Rabbet, Profile A60 Galv Conforming To ASTM A653	16 Ga (.053' min) Connercial Steel Type B (Minimum Yield Strength 30,000psi)	4' Face, 5-3/4' Depth Min. (RD0033)
23	Door Channels) Spot Welded To Bottom Skin Glued To Top Skin) Tack Welded To Both	16 Ga (.053' min) A60 Galv Conforming To ASTM A653 Connercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053' min) x 1' x 1-3/4' x 1'
24	Door Channels) Spot Welded To Bottom Skin Taped To Top Skin) Tack Welded To Both	16 Ga (.053' min) A60 Galv Conforming To ASTM A653 Connercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053' min x 1' x 1-3/4' x 1'
25	Closer Reinforcement (Optional)	12 Ga (.093' min) CS Type B	12 ga (.093' min) x 5-3/8' x 16'
26	Honeycomb Core	Non-Impregnated Kraft Paper Ⓔ	1.2' Nominal Cell Size
27	Urethane Core	Foam Enterprises	2 lb/ft³ Density

Approved as complying with the Florida Building Code
Date: Oct 31, 2002
NOA#: 02-0607.04
Miami Dade Product Control Division
By: Ishaq I. Chanda

B	10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A	9/4/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series
In-Swing Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/28/02

DRAWING NUMBER:
RD0728
Sheet 9 Of 9

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

Outswing

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "Regent" & "Omega" 18 ga. 3^0-7^0 Outswing Commercial Steel Door

APPROVAL DOCUMENT: Drawing No. **RD0087**, titled "3-0 x 7-0 Series", sheets 1 through 7 of 7, dated 5/30/97 with revision C dated 2/24/00,prepared by the manufacturer, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

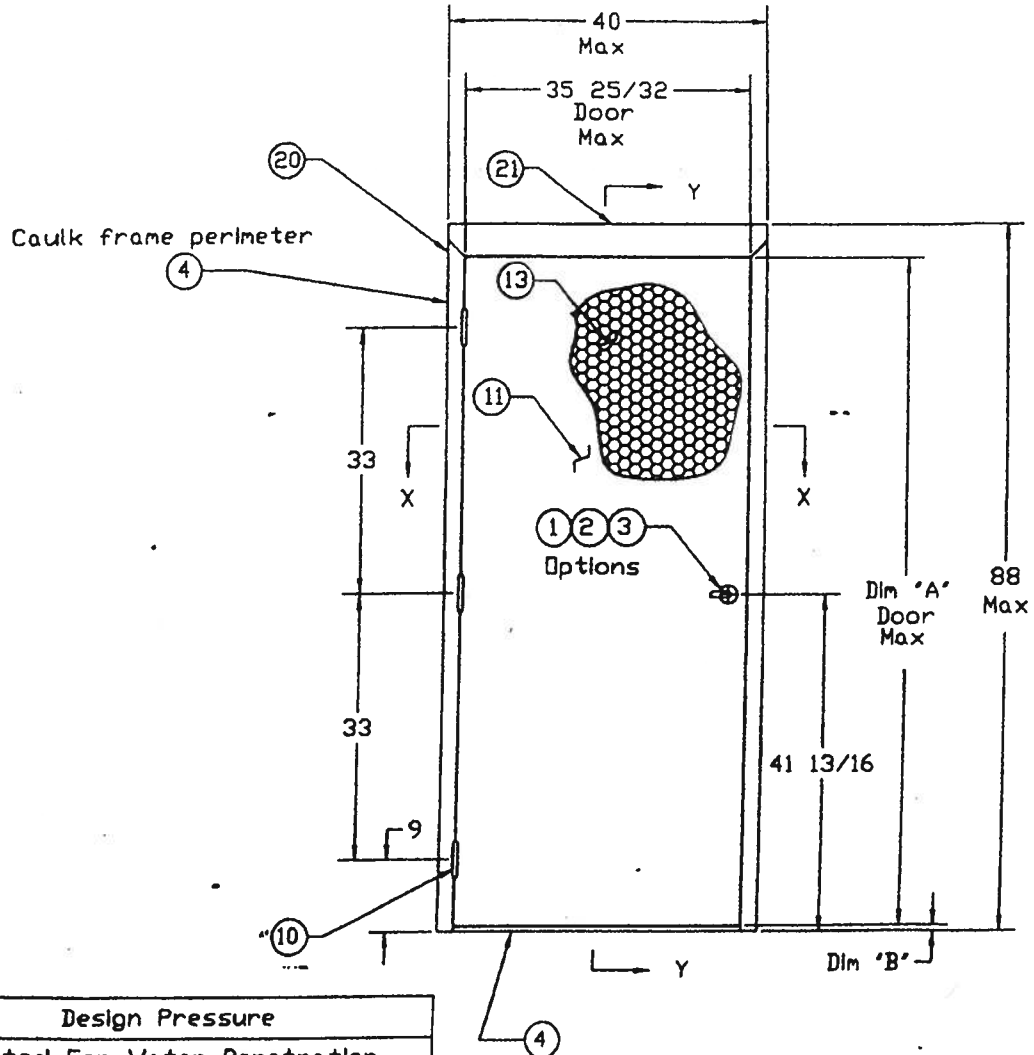
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 00-0315.03** and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



Sheet 2	Frame Anchor Installation
Sheet 3	Threshold Installation
Sheet 3	Weatherstrip Installation
Sheet 4	Door Latch Reinforcement
Sheet 5-6	Cross Section View
Sheet 7	Bill Of Material

Design Pressure		
Tested For Water Penetration		
With Overhang	+85 psf	-60 psf
Without Overhang	+60 psf	-60 psf

	Dim 'A'	Dim 'B'
3/4' Undercut	83 1/8	3/4
3/8' Undercut	83 1/2	3/8

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Aug. 15, 2008
By [signature]
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE Sept 08, 2009
BY [signature]
PRODUCT CONTROL DIV. S.F.B.C.
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
C JAR 2/23/00	Revised Format, Transfered information from NOA
B GWS 7/22/97	Deleted CD Drawings Revised Sheet Numbers

MATERIAL SPECIFICATIONS:

Finish: Rust Inhibitive Primer

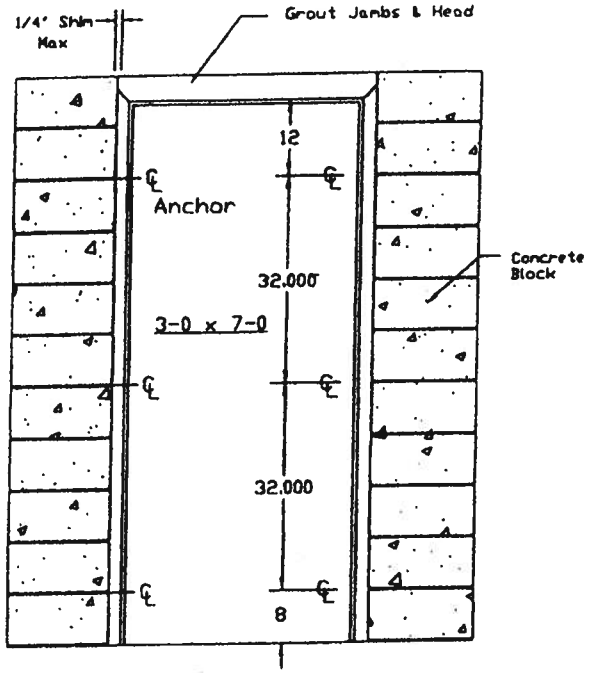
3-0 x 7-0 Series Elevation Drawing

CECO DOOR PRODUCTS
Milan, Tennessee 38358

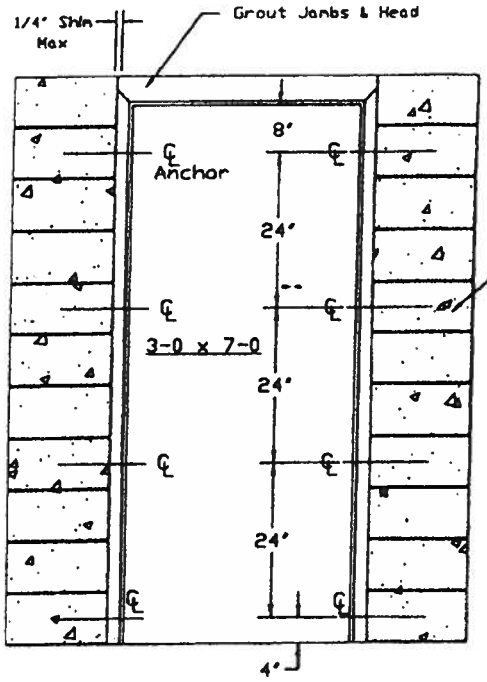
DRAWN BY: GWS
DATE: 5/30/97

DRAWING NUMBER: RD0087

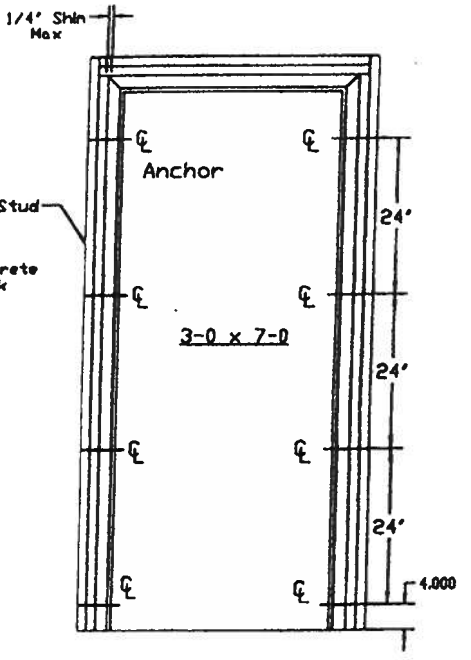
Sheet 1 Of 7



Masonry "T" Anchor

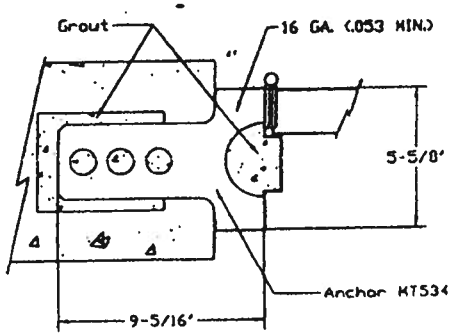


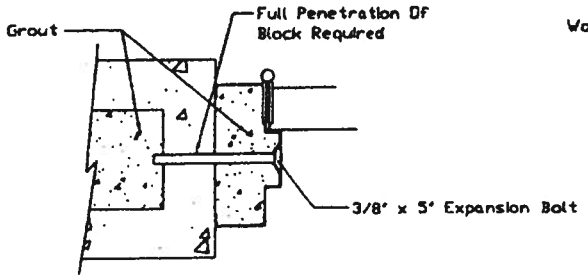
Existing Opening Anchor Into Block

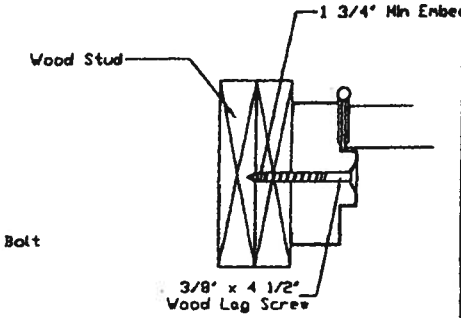


Existing Opening Anchor Into Wood Stud

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Aug. 14, 2008
By Manuel Perez
Miami-Dade Product Control Division







APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08, 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

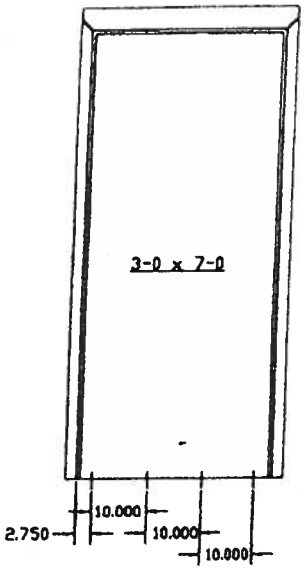
MATERIAL SPECIFICATIONS:

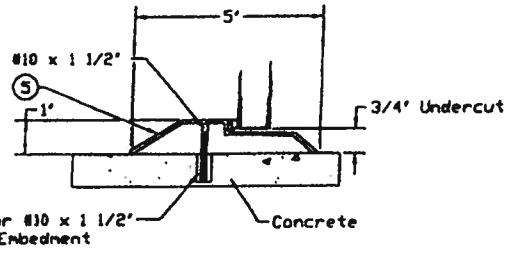
Frame Anchor Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

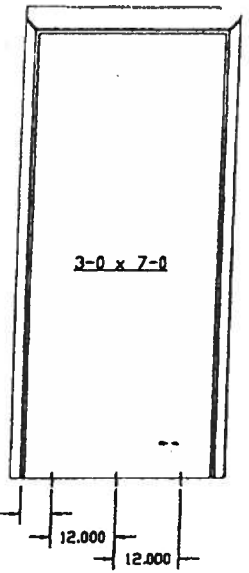
ISSUE	REVISIONS
B 2/24/00 JAB	Revised Format, Transfered information from NOA
A 7/22/97 GWS	Revised Sheet Number

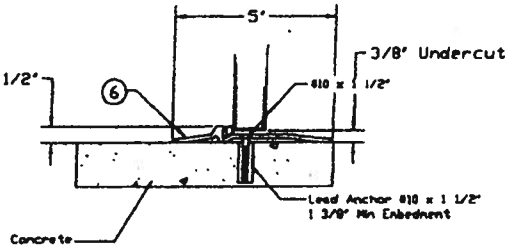
DRAWN BY: GWS
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 2 of 7



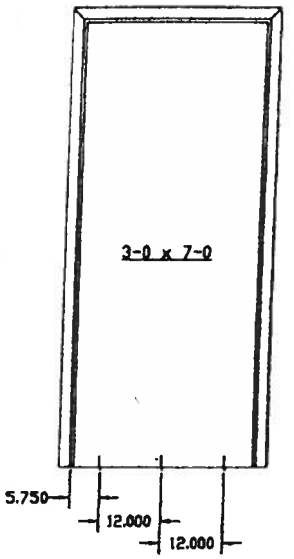


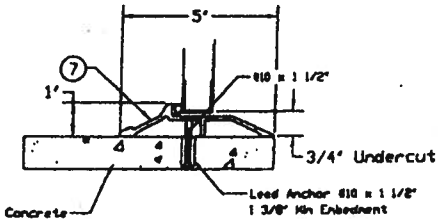
Threshold: National Guard 803S





Threshold: Penko 2005AV

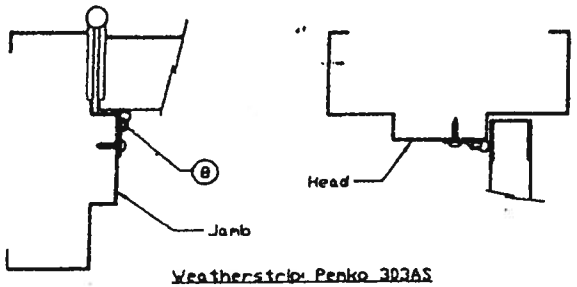




Threshold: Penko 181AV

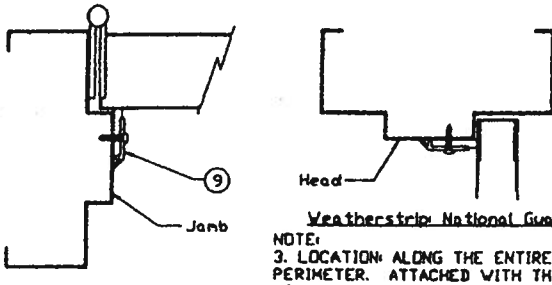
PRODUCT RENEWED
as complying with the Florida
building Code
Acceptance No. 03-0411.01
Expiration Date 03.16.2008
By Manuel Perez
Miami-Dade Product Control
Division

NOTE: 1. All thresholds shown are made from extruded aluminum with slide-in vinyl weatherstrip insert.



Weatherstrip: Penko 303AS

NOTE:
2. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4" PPH SMS SPACED AT 6" O/C.



Weatherstrip: National Guard 130NA

NOTE:
3. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4" PPH SMS SPACED AT 6" O/C.

NOTE: 4. See Sheet 7 For Bill of Material

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08/2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
C 2/24/00 JAB	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Revised Sheet Number

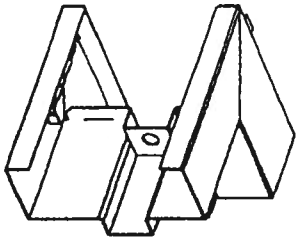
MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip Installation details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

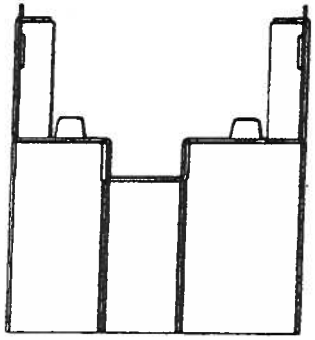
DRAWN BY: GWS
DATE: 5/30/97

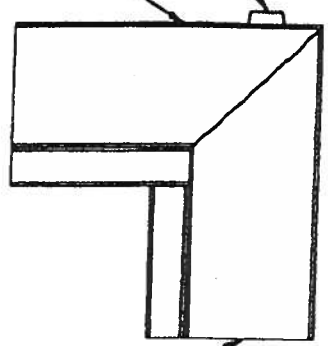
RD0087
Sheet 3 Of 7



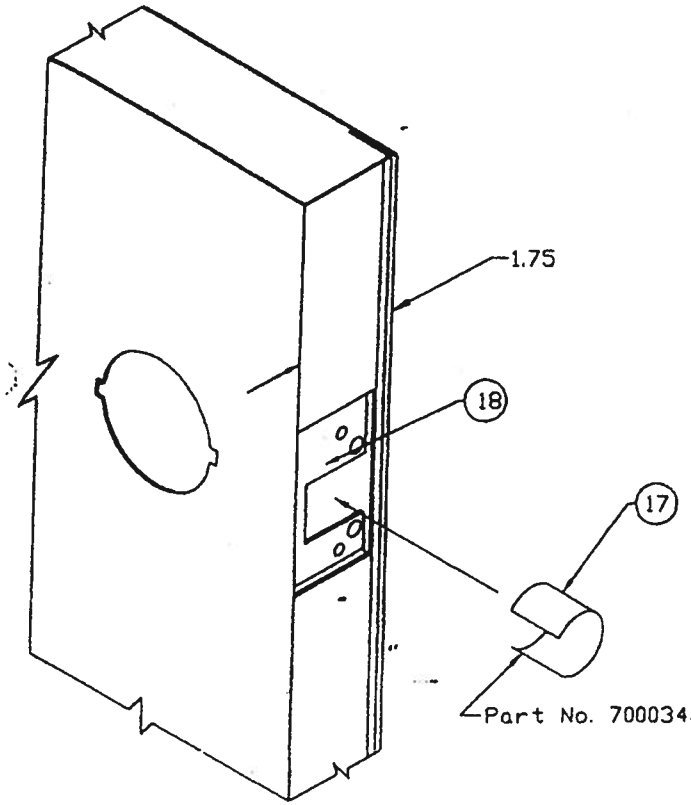
Interlocking Fold Over Tab

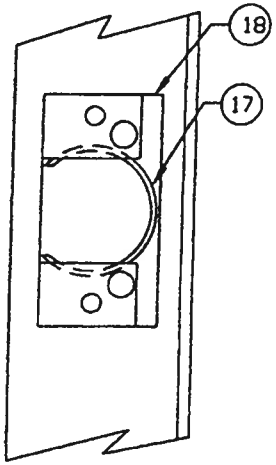
Frame Head





Frame Jamb





PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Aug. 14, 2008
By Manuel Perez
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0314.03

Note: 1. For Cylindrical Lock Only
2. See Sheet 7 For Bill Of Material

ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered Information from NOA
A 7/22/97 GWS	Revised Sheet Number

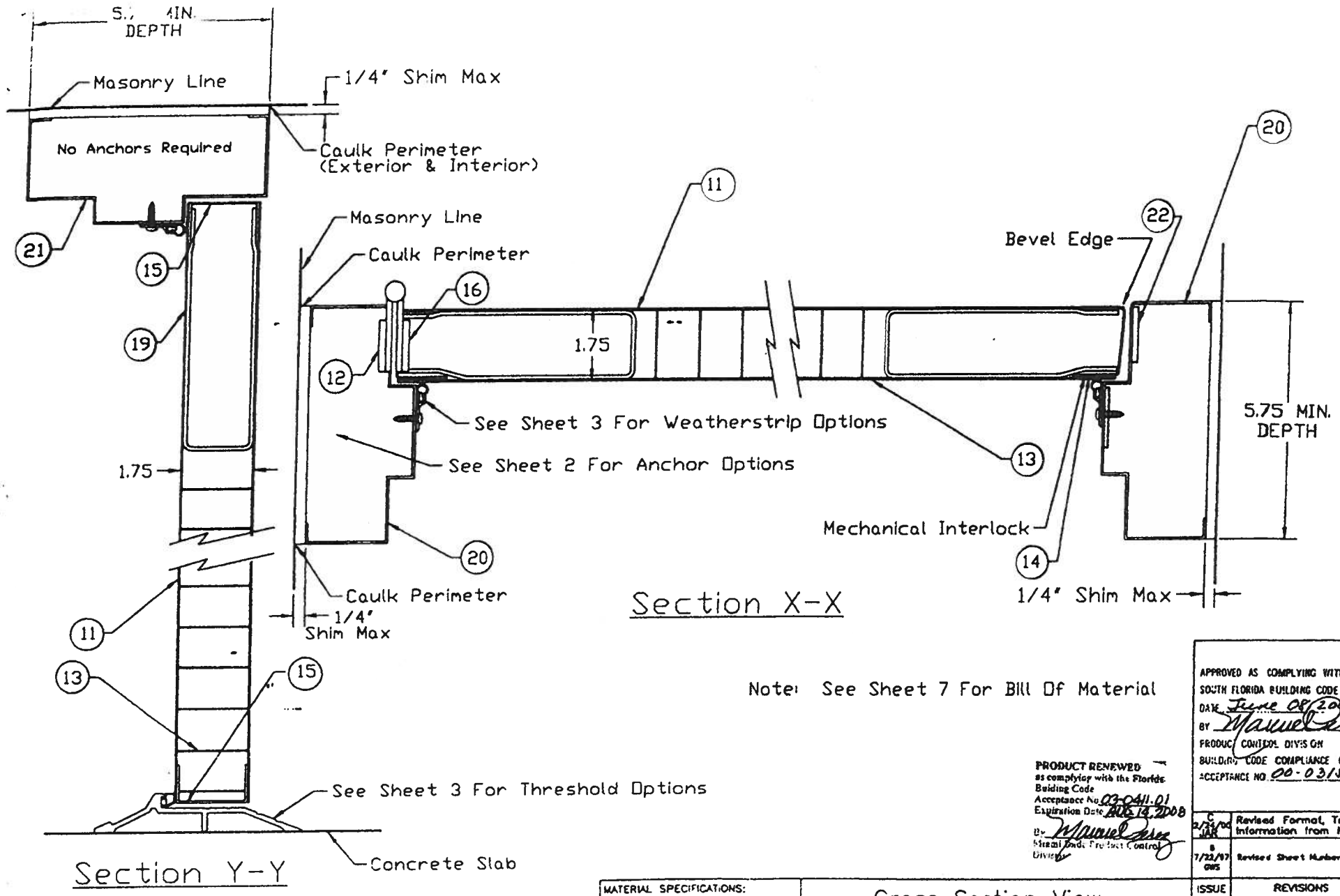
MATERIAL SPECIFICATIONS:

Cylindrical Lock Reinforcement and "SF" Seriers Frame Corner Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 6/06/97

DRAWING NUMBER:
RD0087
Sheet 4 of 7



Note: See Sheet 7 For Bill Of Material

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date AUG 14, 2008
By Manuel Perez
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

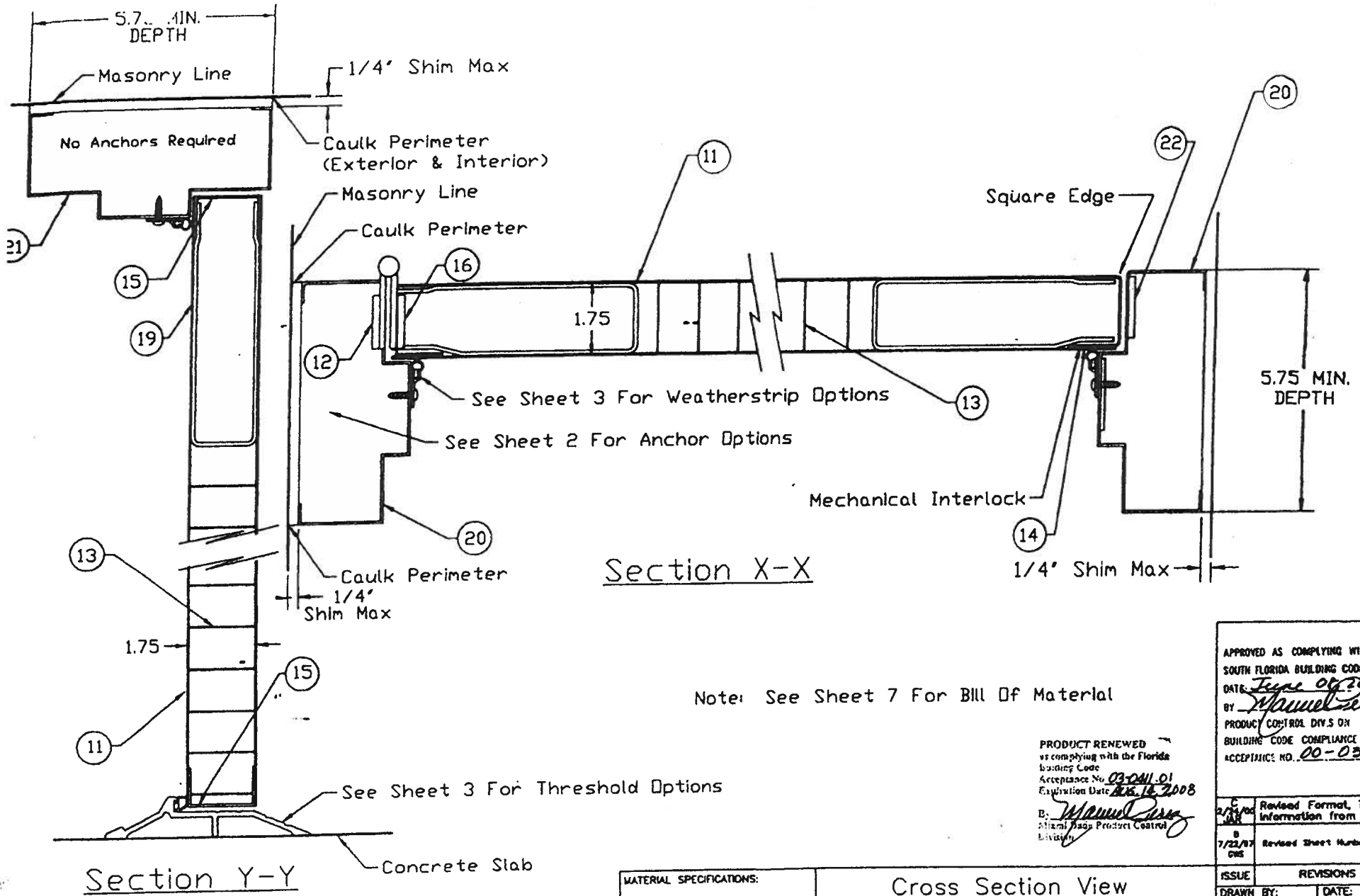
ISSUE	REVISIONS
C 2/24/00 JAK	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Revised Sheet Number

MATERIAL SPECIFICATIONS:

Cross Section View
Regent Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 5 of 7



Section X-X

Section Y-Y

Note: See Sheet 7 For Bill Of Material

PRODUCT RENEWED
as complying with the Florida
building Code
Acceptance No. 03-0411.01
Expiration Date Dec. 14, 2008
By: Miami-Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: June 06 2000
BY: Manuel Perez
PRODUCT CONTROL DIV.S ON
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
C 2/24/00 JAH	Revised Format, Transfered information from NOA
B 7/22/97 GWS	Revised Sheet Number

MATERIAL SPECIFICATIONS:

Cross Section View
Omega Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 6 of 7

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE
1	1	SCHLAGE SERIES AL53PD GRADE 2, LATCH LOCK, SINGLE LEVER OR KNOB OPERATED		
2	1	MARKS SERIES 170AB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3	1	YALE SERIES AU53070 GRADE 2 LATCH LOCK, SINGLE LEVER OR KNOB OPERATED.		
4	1	CAULK FOR INSTALLATION AND WEATHERSTRIP ADAPTER SCREWS FRAME PERIMETER (INSIDE & OUT) AND FRAME SILL CORNERS	GE SILICONE HOUSEHOLD SEALANT	
5	1	NATIONAL GUARD #803S		
6	1	PEMKO #2005AV		
7	1	PEMKO #181AV		
8	1 ROV	PEMKO #303AS HIGH SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A SILICON (TH) BULB INSERT		
9	1 ROV	NATIONAL GUARD #130NA 1-1/4" WIDE X 0.188" SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPT. WITH A FOAM INSERT		
10	3	HAGAR BB1279, 4-1/2" X 4-1/2" X .0134" THICK STEEL HINGE EACH ATTACHED WITH EIGHT #12-24 X 1/2" FH MS		
11	1	FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A568	COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=36,000 psi)	18 GAUGE (.042" MIN. THICK)
12	3	HINGE REINFORCING PLATE, PLATE SPOT WELDED TO FRAME JAMB AT EACH HINGE LOCATION	STEEL	1-1/4" X 9" X 7 GA.
13	1	CORE: FULL HONEYCOMB CORE PERMANENTLY BONDED TO THE INSIDE OF EACH FACE SKIN WITH NON-FLAMMABLE ADHESIVE	PHENOLIC RESIN-IMPREGNATED KRAFT PAPER	1-1/8" CELL
14	1	DENFLEX 3500 STRUCTURAL ADHESIVE EPOXY		
15	1	ROLL FORMED STEEL CHANNEL ON THE TOP AND BOTTOM OF THE DOOR SPOT WELDED TO EXTERIOR AND GLUED TO INTERIOR SKIN		1" X 1-3/4" X 1" X 16 GA. (.053" MIN)
16	3	DOOR HINGE REINFORCEMENT		1-1/4" X 9" X 7 GA.
17	1	DOOR LATCH REINFORCEMENT, STEEL "C" RING	20 GA. GALV.	.015" THICK X 1.313 INSIDE DIAMETER
18	1	DOOR LOCK REINFORCEMENT	STEEL	16 GA.
19	1	DOOR CLOSER REINFORCEMENT, ROLLED FORM CHANNELS TACK WELDED TO DOOR END CHANNELS	STEEL	12 GA. (.093")
20	2	SERIES "SF", FRAME JAMB, DOUBLE RABBET PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (.053" MIN.) STEEL COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=40,000 psi)	2" FACE, 5-3/4" DEPTH MIN.
21	1	SERIES "SF", FRAME HEAD, DOUBLE RABBET PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (.053" MIN.) STEEL COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=40,000 psi)	2" FACE, 5-3/4" DEPTH MIN.
22	1	JAMB LOCK STRIKE REINFORCING PLATE	STEEL	1-1/8" X 2-1/2" X 12 GA.

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date: AUG 14, 2008
By: [signature]
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: June 08, 2000
BY: [signature]
PRODUCT CONTROL DIV.S.ON
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered information from NOA
A 7/22/97 GWS	Revised Sheet Number

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series
Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS | DATE: 6/02/97

DRAWING NUMBER: RD0087

Sheet 7 of 7

Project Information for: L201869

Builder: L201869
Address: 1986 N HWY 441
.. Lake City, FL 32055
County: COLUMBIA
Truss Count: 5
Design Program: MiTek 20/20 6.2
Building Code: FBC2004/TPI2002

July 13,2006

Truss Design Load Information:

Gravity: **Wind:**

Roof (psf): 45.0 Wind Standard: ASCE 7-02 Wind Exposure: B
Floor (psf): N/A Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:
Joseph L. Dupree, Jr. Florida Certified General Contractor License No. CGC060631
Address: JL Dupree Construction Services, Inc. P.O. Box 2861 Lake City, Florida 32055

Truss Design Engineer: Lawrence A. Paine, PE Florida P.E. License No. 21475
Company: Builders FirstSource - Florida, LLC Address: 6550 Roosevelt Blvd. Jacksonville, FL 32244

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Lawerence A. Paine, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date
1	J1688405	T01	7/13/06
2	J1688406	T01G	7/13/06
3	J1688407	T02	7/13/06
4	J1688408	T02G	7/13/06
5	J1688409	T03	7/13/06

Job	Truss	Truss Type	Qty	Ply	PINE GROVE BAPTIST FELLOWSHIP
L201869	T01	COMMON	5	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Jul 14 15:18:13 2006 Page 1

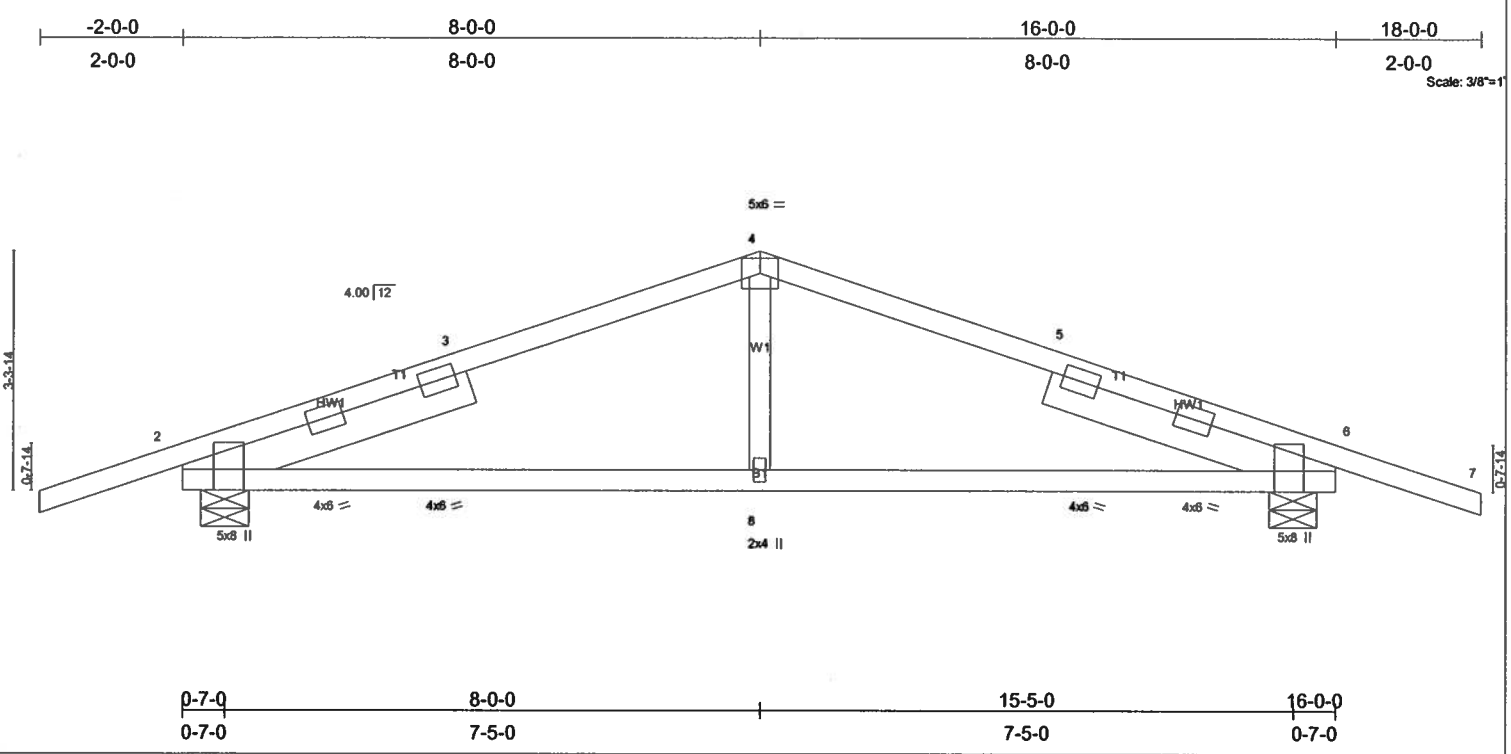


Plate Offsets (X,Y): [2:0-4-3,Edge], [6:0-4-3,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	0.19	2-8	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	0.16	2-8	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 79 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 4-1-14, Right 2 X 6 SYP No.1D 4-1-14

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-6 oc bracing.

REACTIONS (lb/size) 2=840/0-8-0, 6=840/0-8-0
Max Horz 2=-57(load case 4)
Max Uplift2=-540(load case 5), 6=-540(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-3=-1196/1219, 3-4=-1118/1238, 4-5=-1118/1238, 5-6=-1196/1219, 6-7=0/18
BOT CHORD 2-8=-1048/1060, 6-8=-1048/1060
WEBS 4-8=-447/262

JOINT STRESS INDEX
2 = 0.50, 2 = 0.22, 2 = 0.22, 3 = 0.00, 4 = 0.76, 5 = 0.00, 6 = 0.50, 6 = 0.22, 6 = 0.22 and 8 = 0.19

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 540 lb uplift at joint 2 and 540 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PINE GROVE BAPTIST FELLOWSHIP
L201869	T01G	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Jul 14 15:18:13 2006 Page 1

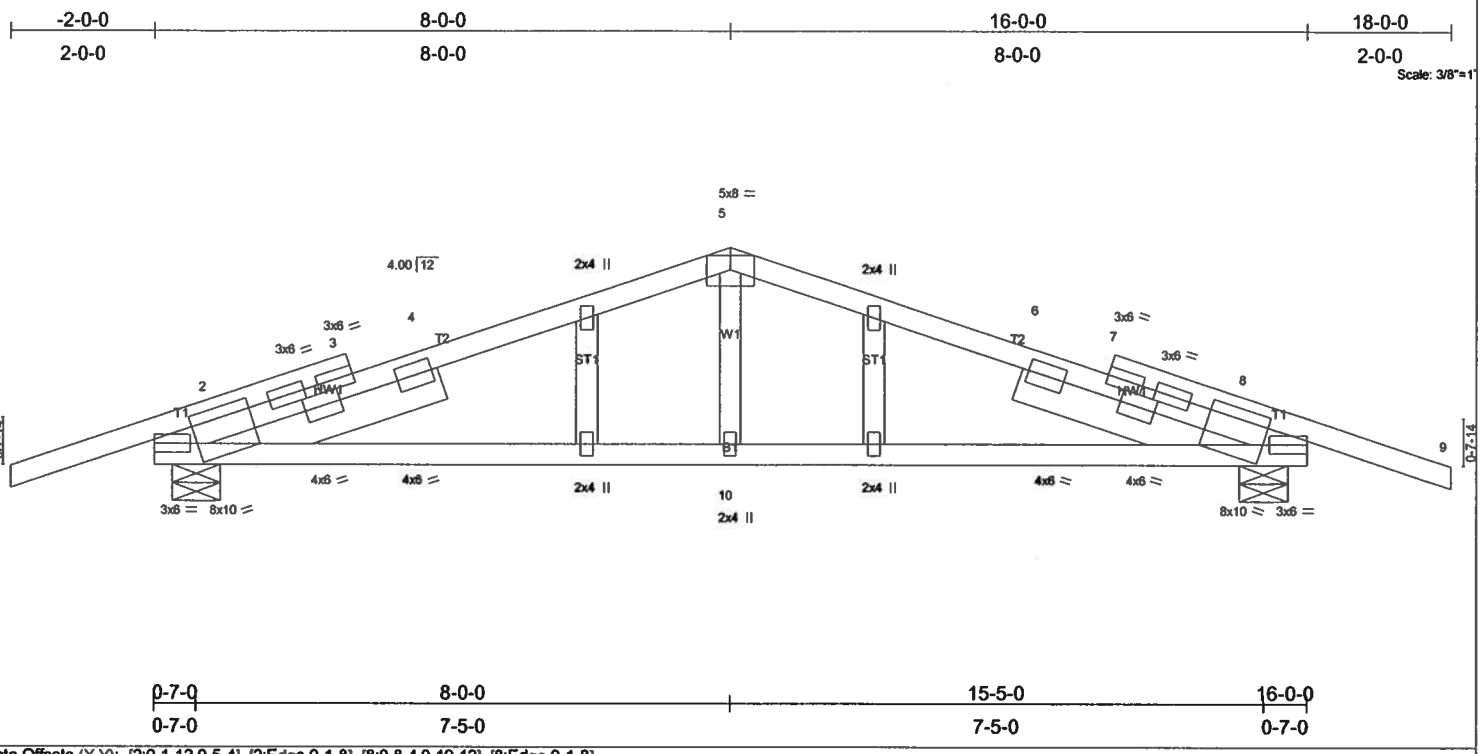


Plate Offsets (X,Y): [2:0-1-12,0-5-4], [2:Edge,0-1-8], [8:0-8-4,0-10-12], [8:Edge,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	0.15	8-10	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.13	8-10	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 88 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T1 2 X 4 SYP No.1D, T1 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3
SLIDER Left 2 X 6 SYP No.1D 3-4-3, Right 2 X 6 SYP No.1D 3-4-3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-2-10 oc bracing.

REACTIONS (lb/size) 2=1410/0-8-0, 8=1410/0-8-0
Max Horz 2=60(load case 3)
Max Uplift2=-931(load case 5), 8=-931(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-34/72, 2-3=-1571/1610, 3-4=-1467/1569, 4-5=-1428/1547, 5-6=-1428/1547, 6-7=-1468/1569, 7-8=-1571/1610, 8-9=-34/72
BOT CHORD 2-10=-1358/1360, 8-10=-1358/1360
WEBS 5-10=-288/139

JOINT STRESS INDEX
2 = 0.95, 2 = 0.04, 2 = 0.04, 2 = 0.37, 3 = 0.00, 3 = 0.11, 3 = 0.19, 4 = 0.00, 5 = 0.95, 6 = 0.00, 7 = 0.00, 7 = 0.19, 7 = 0.11, 8 = 0.95, 8 = 0.04, 8 = 0.04, 8 = 0.37, 10 = 0.18, 11 = 0.00, 12 = 0.00, 13 = 0.00 and 14 = 0.00

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Gable studs spaced at 2-0-0 oc.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 931 lb uplift at joint 2 and 931 lb uplift at joint 8.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-120(F=-60), 5-9=-120(F=-60), 2-8=-30

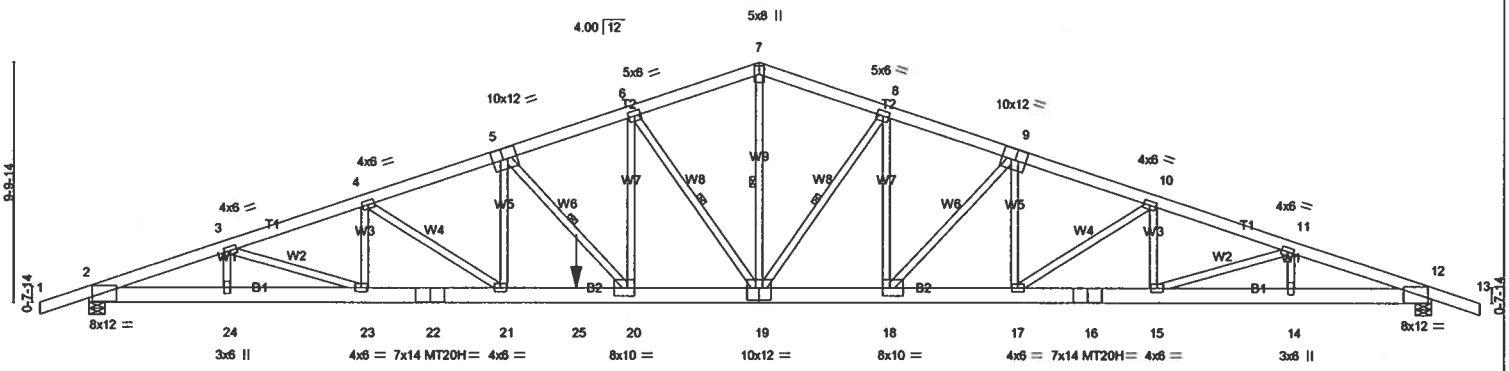
Job	Truss	Truss Type	Qty	Ply	PINE GROVE BAPTIST FELLOWSHIP
L201869	T02	COMMON	23	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Jul 14 15:18:14 2006 Page 1

2-0-0 5-8-0 11-4-0 17-0-0 22-3-0 27-6-0 32-9-0 38-0-0 43-8-0 49-4-0 55-0-0 57-0-0

2-0-0 5-8-0 5-8-0 5-8-0 5-3-0 5-3-0 5-3-0 5-3-0 5-8-0 5-8-0 5-8-0 2-0-0

Scale = 1:94.7



5-8-0 11-4-0 17-0-0 20-0-0 22-3-0 27-6-0 32-9-0 38-0-0 43-8-0 49-4-0 55-0-0

5-8-0 5-8-0 5-8-0 3-0-0 2-3-0 5-3-0 5-3-0 5-3-0 5-8-0 5-8-0 5-8-0

Plate Offsets (X,Y): [2:0-6-0,0-4-8], [3:0-0-0,0-0-0], [4:0-0-0,0-0-0], [5:0-5-3,0-5-5], [6:0-0-0,0-0-0], [7:0-0-0,0-0-0], [8:0-0-0,0-0-0], [9:0-5-3,0-5-5], [10:0-0-0,0-0-0], [11:0-0-0,0-0-0], [12:0-6-0,0-4-8], [18:0-3-8,0-4-0], [19:0-6-0,0-6-0], [20:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.58	20-21	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-1.02	20-21	>641	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.98	Horz(TL)	0.24	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 462 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-0 oc bracing.
WEBS 1 Row at midpt 5-20, 6-19, 7-19, 8-19

REACTIONS (lb/size) 2=3367/0-8-0, 12=3028/0-8-0
Max Horz 2=158(load case 3)
Max Uplift2=-1164(load case 5), 12=-1045(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-8176/3227, 3-4=-8129/3307, 4-5=-7636/3165, 5-6=-6576/2790, 6-7=-5207/2286, 7-8=-5197/2286, 8-9=-5866/2502, 9-10=-6541/2721, 10-11=-7152/2911, 11-12=-7246/2850, 12-13=0/32
BOT CHORD 2-24=-2912/7591, 23-24=-2912/7591, 22-23=-2940/7681, 21-22=-2940/7681, 21-25=-2711/7212, 20-25=-2711/7212, 19-20=-2256/6187, 18-19=-1982/5511, 17-18=-2286/6165, 16-17=-2563/6753, 15-16=-2563/6753, 14-15=-2559/6723, 12-14=-2559/6723
WEBS 3-24=-9/126, 3-23=-46/203, 4-23=0/143, 4-21=-613/285, 5-21=-372/1113, 5-20=-1509/668, 6-20=-763/2020, 6-19=-2270/978, 7-19=-1176/2846, 8-19=-1089/499, 8-18=-281/833, 9-18=-965/447, 9-17=-157/581, 10-17=-746/339, 10-15=-7/264, 11-15=-46/140, 11-14=-14/128

JOINT STRESS INDEX
2 = 0.99, 3 = 0.28, 4 = 0.28, 5 = 0.48, 6 = 0.84, 7 = 0.75, 8 = 0.84, 9 = 0.48, 10 = 0.28, 11 = 0.28, 12 = 0.99, 14 = 0.16, 15 = 0.25, 16 = 0.67, 17 = 0.51, 18 = 0.42, 19 = 0.81, 20 = 0.42, 21 = 0.51, 22 = 0.67, 23 = 0.25 and 24 = 0.16

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All plates are MT20 plates unless otherwise indicated.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1164 lb uplift at joint 2 and 1045 lb uplift at joint 12.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1225 lb down and 497 lb up at 20-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-60, 7-13=-60, 2-12=-30
Concentrated Loads (lb)
Vert: 25=-1225(F)

Job	Truss	Truss Type	Qty	Ply	PINE GROVE BAPTIST FELLOWSHIP
L201869	T02G	COMMON	1	1	Job Reference (optional)

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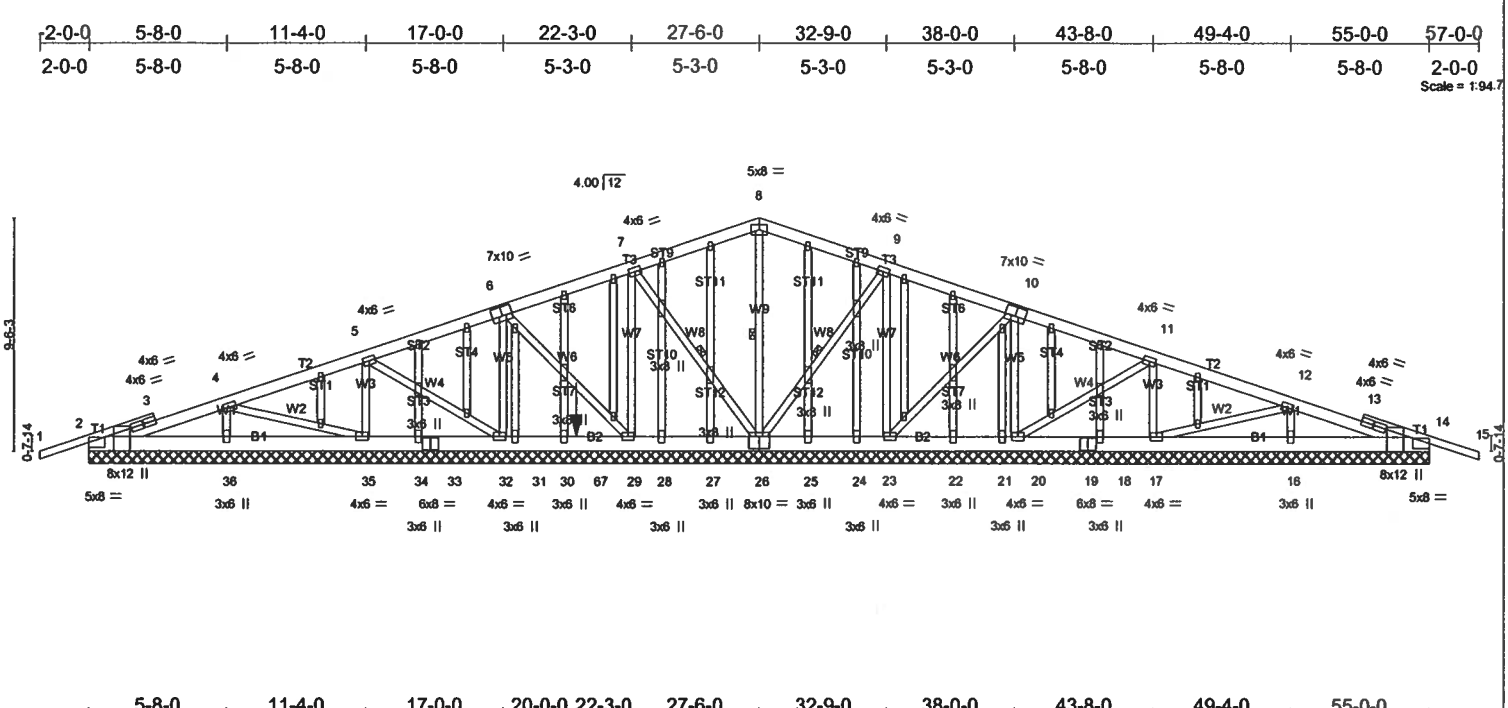

Plate Offsets (X,Y): [2:0-7-4,Edge], [2:Edge,0-5-9], [3:0-0-1,0-2-0], [6:0-5-0,0-4-8], [10:0-5-0,0-4-8], [13:0-0-1,0-2-0], [14:0-7-4,Edge], [14:Edge,0-5-9], [26:0-5-0,0-6-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.51	Vert(LL) -0.03 15 n/r 120	MT20 244/190
TCDL 10.0	Lumber Increase 1.25	BC 0.09	Vert(TL) -0.05 15 n/r 90	
BCLL 10.0	Rep Stress Incr NO	WB 0.39	Horz(TL) 0.00 14 n/a n/a	
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 576 lb

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except* T1 2 X 4 SYP No.2, T1 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 28-29,27-28,26-27,25-26,24-25,23-24.
WEBS 1 Row at midpt 7-26, 8-26, 9-26

REACTIONS (lb/size) 2=655/55-0-0, 36=938/55-0-0, 35=745/55-0-0, 32=892/55-0-0, 29=896/55-0-0, 26=1069/55-0-0, 23=602/55-0-0, 20=673/55-0-0, 17=744/55-0-0, 16=938/55-0-0, 14=655/55-0-0, 27=85/55-0-0, 28=-95/55-0-0, 30=1305/55-0-0, 31=-425/55-0-0, 34=62/55-0-0, 25=66/55-0-0, 24=38/55-0-0, 22=81/55-0-0, 21=-34/55-0-0, 18=66/55-0-0
Max Horz 2=150(load case 3)
Max Uplift 2=-297(load case 5), 36=-312(load case 3), 35=-279(load case 3), 32=-331(load case 3), 29=-379(load case 3), 26=-400(load case 5), 23=-273(load case 4), 20=-252(load case 6), 17=-275(load case 6), 16=-306(load case 6), 14=-317(load case 6), 28=-95(load case 9), 30=-415(load case 3), 31=-426(load case 10), 21=-35(load case 9)
Max Grav 2=657(load case 9), 36=940(load case 9), 35=749(load case 9), 32=893(load case 9), 29=905(load case 9), 26=1069(load case 1), 23=611(load case 10), 20=675(load case 10), 17=748(load case 10), 16=940(load case 10), 14=656(load case 10), 27=85(load case 1), 28=55(load case 6), 30=1305(load case 10), 31=130(load case 3), 34=62(load case 9), 25=66(load case 1), 24=38(load case 9), 22=81(load case 9), 18=66(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-7/54, 2-3=-180/102, 3-4=-94/93, 4-5=-266/137, 5-6=-232/142, 6-7=-123/135, 7-8=-4/218, 8-9=-4/218, 9-10=-123/135, 10-11=-232/141, 11-12=-266/123, 12-13=-94/41, 13-14=-180/53, 14-15=-7/54
BOT CHORD 2-36=-43/97, 35-36=-43/97, 34-35=-30/150, 33-34=-30/150, 32-33=-30/150, 31-32=0/183, 30-31=0/183, 30-67=0/183, 29-67=0/183, 28-29=-16/247, 27-28=-16/247, 26-27=-16/247, 25-26=-16/245, 24-25=-16/245, 23-24=-16/245, 22-23=0/153, 21-22=0/153, 20-21=0/153, 19-20=0/150, 18-19=0/150, 17-18=0/150, 16-17=0/91, 14-16=0/91
WEBS 4-36=-726/382, 4-35=0/62, 5-35=-648/336, 5-32=-43/94, 6-32=-527/268, 6-29=-134/132, 7-29=-455/228, 7-26=-199/155, 8-26=-694/272, 9-26=-199/155, 9-23=-455/228, 10-23=-134/132, 10-20=-527/268, 11-20=-43/94, 11-17=-648/336, 12-17=0/62, 12-16=-726/382

JOINT STRESS INDEX
2 = 0.37, 2 = 0.15, 3 = 0.00, 3 = 0.43, 3 = 0.43, 4 = 0.28, 5 = 0.28, 6 = 0.25, 7 = 0.30, 8 = 0.67, 9 = 0.30, 10 = 0.25, 11 = 0.28, 12 = 0.28, 13 = 0.00, 13 = 0.43, 13 = 0.43, 14 = 0.37, 14 = 0.15, 16 = 0.16, 17 = 0.25, 18 = 0.16, 19 = 0.06, 20 = 0.25, 21 = 0.16, 22 = 0.16, 23 = 0.26, 24 = 0.16, 25 = 0.16, 26 = 0.34, 27 = 0.16, 28 = 0.16, 29 = 0.26, 30 = 0.16, 31 = 0.16, 32 = 0.25, 33 = 0.06, 34 = 0.16, 35 = 0.25, 36 = 0.16, 37 = 0.58, 38 = 0.34, 39 = 0.58, 40 = 0.34, 41 = 0.34, 42 = 0.34, 43 = 0.41, 44 = 0.34, 45 = 0.34, 46 = 0.34, 47 = 0.34, 48 = 0.59, 49 = 0.34, 50 = 0.34, 51 = 0.34, 52 = 0.34, 53 = 0.58, 54 = 0.34, 55 = 0.58, 56 = 0.34, 57 = 0.34, 58 = 0.34, 59 = 0.41, 60 = 0.34, 61 = 0.34, 62 = 0.34, 63 = 0.34, 64 = 0.59, 65 = 0.34 and 66 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint 2, 312 lb uplift at joint 36, 279 lb uplift at joint 35, 331 lb uplift at joint 32, 379 lb uplift at joint 29, 400 lb uplift at joint 26, 273 lb uplift at joint 23, 252 lb uplift at joint 20, 275 lb uplift at joint 17, 306 lb uplift at joint 16, 317 lb uplift at joint 14, 95 lb uplift at joint 28, 415 lb uplift at joint 30, 426 lb uplift at joint 31 and 35 lb uplift at joint 21.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1225 lb down and 497 lb up at 20-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PINE GROVE BAPTIST FELLOWSHIP
L201869	T02G	COMMON	1	1	Job Reference (optional)

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-8=-120(F=-60), 8-15=-120(F=-60), 2-14=-30
Concentrated Loads (lb)
Vert: 67=-1225(F)

Job	Truss	Truss Type	Qty	Ply	PINE GROVE BAPTIST FELLOWSHIP
L201869	T03	COMMON	6	3	Job Reference (optional)

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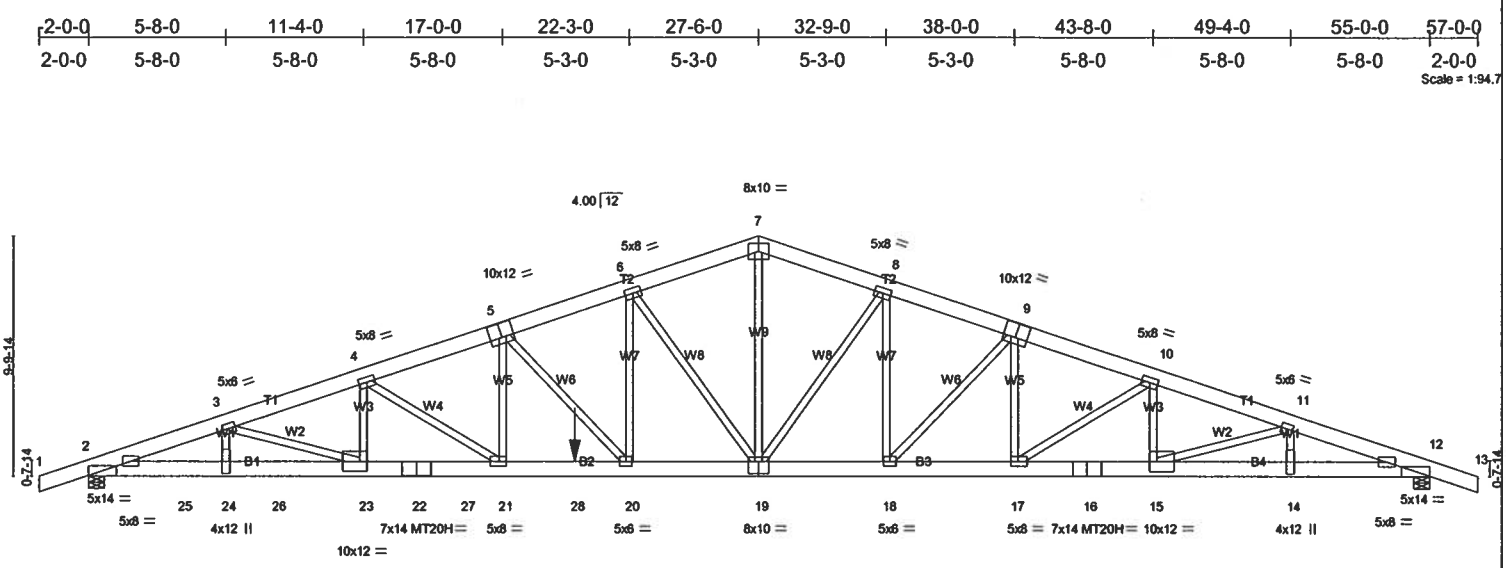

5-8-0 11-4-0 17-0-0 20-0-0 22-3-0 27-6-0 32-9-0 38-0-0 43-8-0 49-4-0 55-0-0
5-8-0 5-8-0 5-8-0 3-0-0 2-3-0 5-3-0 5-3-0 5-3-0 5-8-0 5-8-0 5-8-0

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [5:0-6-0,0-7-0], [9:0-6-0,0-7-0], [12:0-0-0,0-0-4], [15:0-3-8,0-5-0], [17:0-3-8,0-2-8], [19:0-5-0,0-6-0], [21:0-3-8,0-2-8], [23:0-3-8,0-5-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.17	20-21	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-1.06	21-23	>617	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.79	Horz(TL)	0.27	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 1518 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=17742/0-8-0, 12=4992/0-8-0
Max Horz 2=160(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-38035/0, 3-4=-29513/0, 4-5=-21275/0, 5-6=-15576/0, 6-7=-11410/0, 7-8=-11403/0, 8-9=-11958/0, 9-10=-12645/0, 10-11=-13192/0, 11-12=-12845/0, 12-13=0/36
BOT CHORD 2-25=0/35700, 24-25=0/35700, 24-26=0/35700, 23-26=0/35700, 22-23=0/28069, 22-27=0/28069, 21-27=0/28069, 21-28=0/20296, 20-28=0/20296, 19-20=0/14728, 18-19=0/11266, 17-18=0/11973, 16-17=0/12503, 15-16=0/12503, 14-15=0/11993, 12-14=0/11993
WEBS 3-24=0/6410, 3-23=-8156/0, 4-23=0/7244, 4-21=-9577/0, 5-21=0/7341, 5-20=-8090/0, 6-20=0/6765, 6-19=-6775/0, 7-19=0/6396, 8-19=-989/720, 8-18=-331/850, 9-18=-1027/394, 9-17=-204/589, 10-17=-770/446, 10-15=-132/249, 11-15=0/655, 11-14=-127/0

JOINT STRESS INDEX
2 = 0.87, 2 = 0.81, 3 = 0.87, 4 = 0.80, 5 = 0.56, 6 = 0.75, 7 = 0.43, 8 = 0.75, 9 = 0.56, 10 = 0.80, 11 = 0.87, 12 = 0.87, 12 = 0.81, 14 = 0.52, 15 = 0.50, 16 = 0.90, 17 = 0.83, 18 = 0.79, 19 = 0.80, 20 = 0.79, 21 = 0.83, 22 = 0.88, 23 = 0.50 and 24 = 0.52

NOTES
1) 3-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 3 rows at 0-4-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
5) All plates are MT20 plates unless otherwise indicated.
6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1225 lb down and 432 lb up at 20-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-60, 7-13=-60, 2-25=-1585(F=-1555), 25-26=-1255(F=-1225), 23-26=-905(F=-875), 23-27=-555(F=-525), 27-28=-205(F=-175), 12-28=-30
Concentrated Loads (lb)
Vert: 28=-1225(F)
2) MWFRS Wind Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=56, 2-7=38, 7-12=23, 12-13=16, 2-25=-1561(F=-1555), 25-26=-1231(F=-1225), 23-26=-881(F=-875), 23-27=-531(F=-525), 27-28=-181(F=-175), 12-28=-6
Horz: 1-2=-65, 2-7=-46, 7-12=31, 12-13=25
Concentrated Loads (lb)
Vert: 28=432(F)

Continued on page 2

LOAD CASE(S)

3) MWFRS Wind Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=16, 2-7=23, 7-12=38, 12-13=56, 2-25=-1561(F=-1555), 25-26=-1231(F=-1225), 23-26=-881(F=-875), 23-27=-531(F=-525), 27-28=-181(F=-175), 12-28=-6
      Horz: 1-2=-25, 2-7=-31, 7-12=46, 12-13=65
   Concentrated Loads (lb)
      Vert: 28=432(F)
4) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=56, 2-7=38, 7-12=24, 12-13=17, 2-25=-1561(F=-1555), 25-26=-1231(F=-1225), 23-26=-881(F=-875), 23-27=-531(F=-525), 27-28=-181(F=-175), 12-28=-6
      Horz: 1-2=-65, 2-7=-46, 7-12=32, 12-13=25
   Concentrated Loads (lb)
      Vert: 28=432(F)
5) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=17, 2-7=24, 7-12=38, 12-13=56, 2-25=-1561(F=-1555), 25-26=-1231(F=-1225), 23-26=-881(F=-875), 23-27=-531(F=-525), 27-28=-181(F=-175), 12-28=-6
      Horz: 1-2=-25, 2-7=-32, 7-12=46, 12-13=65
   Concentrated Loads (lb)
      Vert: 28=432(F)
6) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=36, 2-7=18, 7-12=12, 12-13=5, 2-25=-1561(F=-1555), 25-26=-1231(F=-1225), 23-26=-881(F=-875), 23-27=-531(F=-525), 27-28=-181(F=-175), 12-28=-6
      Horz: 1-2=-45, 2-7=-26, 7-12=20, 12-13=14
   Concentrated Loads (lb)
      Vert: 28=161(F)
7) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
      Vert: 1-2=5, 2-7=12, 7-12=18, 12-13=36, 2-25=-1561(F=-1555), 25-26=-1231(F=-1225), 23-26=-881(F=-875), 23-27=-531(F=-525), 27-28=-181(F=-175), 12-28=-6
      Horz: 1-2=-14, 2-7=-20, 7-12=26, 12-13=45
   Concentrated Loads (lb)
      Vert: 28=161(F)
8) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-7=-60, 7-13=-20, 2-25=-1585(F=-1555), 25-26=-1255(F=-1225), 23-26=-905(F=-875), 23-27=-555(F=-525), 27-28=-205(F=-175), 12-28=-30
   Concentrated Loads (lb)
      Vert: 28=-1225(F)
9) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-7=-20, 7-13=-60, 2-25=-1585(F=-1555), 25-26=-1255(F=-1225), 23-26=-905(F=-875), 23-27=-555(F=-525), 27-28=-205(F=-175), 12-28=-30
   Concentrated Loads (lb)
      Vert: 28=-1225(F)
10) User defined: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-7=-60(F), 7-13=-60(F), 2-28=-205(F), 12-28=-30(F)
   Concentrated Loads (lb)
      Vert: 28=-1225(F)
11) User defined: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-7=-60(F), 7-13=-60(F), 2-23=-205(F), 23-27=-380(F), 12-27=-30(F)
   Concentrated Loads (lb)
      Vert: 28=-1225(F)
12) User defined: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-7=-60(F), 7-13=-60(F), 2-26=-205(F), 23-26=-555(F), 12-23=-30(F)
   Concentrated Loads (lb)
      Vert: 28=-1225(F)
13) User defined: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-7=-60(F), 7-13=-60(F), 2-25=-205(F), 25-26=-730(F), 12-26=-30(F)
   Concentrated Loads (lb)
      Vert: 28=-1225(F)
14) User defined: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-7=-60(F), 7-13=-60(F), 2-25=-885(F), 12-25=-30(F)
   Concentrated Loads (lb)
      Vert: 28=-1225(F)

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

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July 20, 2006

J. L. Dupree Construction Services
P. O. Box 2861
Lake City, Florida 32056

Attention: Lamar Dupree

Reference: Bearing Capacity Evaluation
Proposed Building Addition
Pine Grove Baptist Church
Lake City, Florida
Cal-Tech Project No. 06-427

Dear Mr. Dupree,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation of the site for a building addition at Pine Grove Baptist Church in Lake City, Florida. The purposes of our investigation were to determine the general subsurface conditions in the proposed area of the addition, to evaluate the suitability of the existing site soils for an allowable bearing pressure of 2,000 psf, and to provide recommendations as appropriate.

Support for the building is to be provided by a monolithic foundation for which the thickened edge will have a bottom width of 16 inches and a thickness of 20 inches. Embedment is to be about 15 inches. The addition is to have lateral dimensions of about 53 feet by 55 feet.

Site Investigation

Subsurface conditions were investigated by performing two Standard Penetration test borings advanced to depths of 10 feet. The borings were performed at the outside corners of the addition. These locations were selected on site by you. A site plan was not provided.

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

Findings

The soil borings generally encountered three soil strata. The first layer consists of about 2.5 of loose, generally gray or tan sand with silt (SP/SM) and silty sand (SM). The N-values of this layer are on the order of 8 to 9 blows per foot.

The second layer consists of about 4.5 feet of very loose to medium dense, tan, tannish gray or brownish gray sand (SP) and sand with silt (SP/SM). The N-values for this layer range from 2 to 13 blows per foot.

The third layer consists of an undetermined thickness of generally very loose, black, silty sand (SM). The N-values of this layer are on the order of 3 to 4 blows per foot.

Groundwater was encountered at depths of 3.5 and 4.0 feet at the time of our investigation. We believe the wet season water table will occur at a depth of about 2.5 feet. For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs.

Discussion

We have performed a bearing capacity analysis for subsurface conditions encountered at the boring location appearing to have the least suitable soils. We have used the proposed monolithic foundation with embedment of 15 inches. For this foundation and the site soils as encountered, we obtained an allowable bearing pressure of 2,000 pounds per square foot with a factor of safety of about 1.7 against a bearing capacity failure. Based upon this finding, it is our opinion the existing site soils are suitable for the proposed monolithic foundation and an allowable bearing pressure of 2,000 pounds per square foot.

Although the site soils are suitable for the proposed foundations, we recommend all bearing soils be proof-rolled and then proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of 2 feet below the bottoms of the foundations and floor slabs. Field density testing should be performed to verify suitable compaction has been achieved.

We appreciate the opportunity to be of service and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

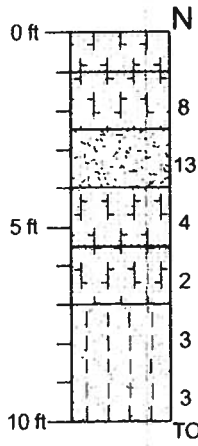
Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer
President / CEO

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer 7/20/06
5262

B-1

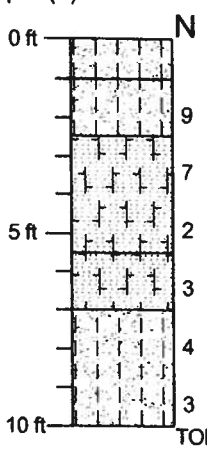
Water Table: 3.5 ft.



	Soil Description
8	Grey, Fine Sand with Silt, Trace Organics (SP/SM)
13	Loose, Dark and Light Tan Sand with Silt (SP/SM)
4	Medium Dense, Light Greyish Tan Sand (SP)
2	Loose, Dark Tannish Grey Sand with Silt (SP/SM)
3	Very Loose, Dark Brownish Grey Sand with Silt (SP/SM)
3	Very Loose, Black, Silty Sand (SM)

B-2

Water Table: 4.0 ft.



	Soil Description
9	Dark Tannish Grey, Silty, Fine Sand, Trace Organics (SM)
7	Loose, Dark and Light Tan, Silty Sand (SM)
2	Very Loose to Loose, Tannish Grey Sand with Silt (SP/SM)
3	Very Loose, Dark Brownish Grey Sand with Silt (SP/SM)
4	Very Loose to Loose, Black, Silty Sand (SM)
3	

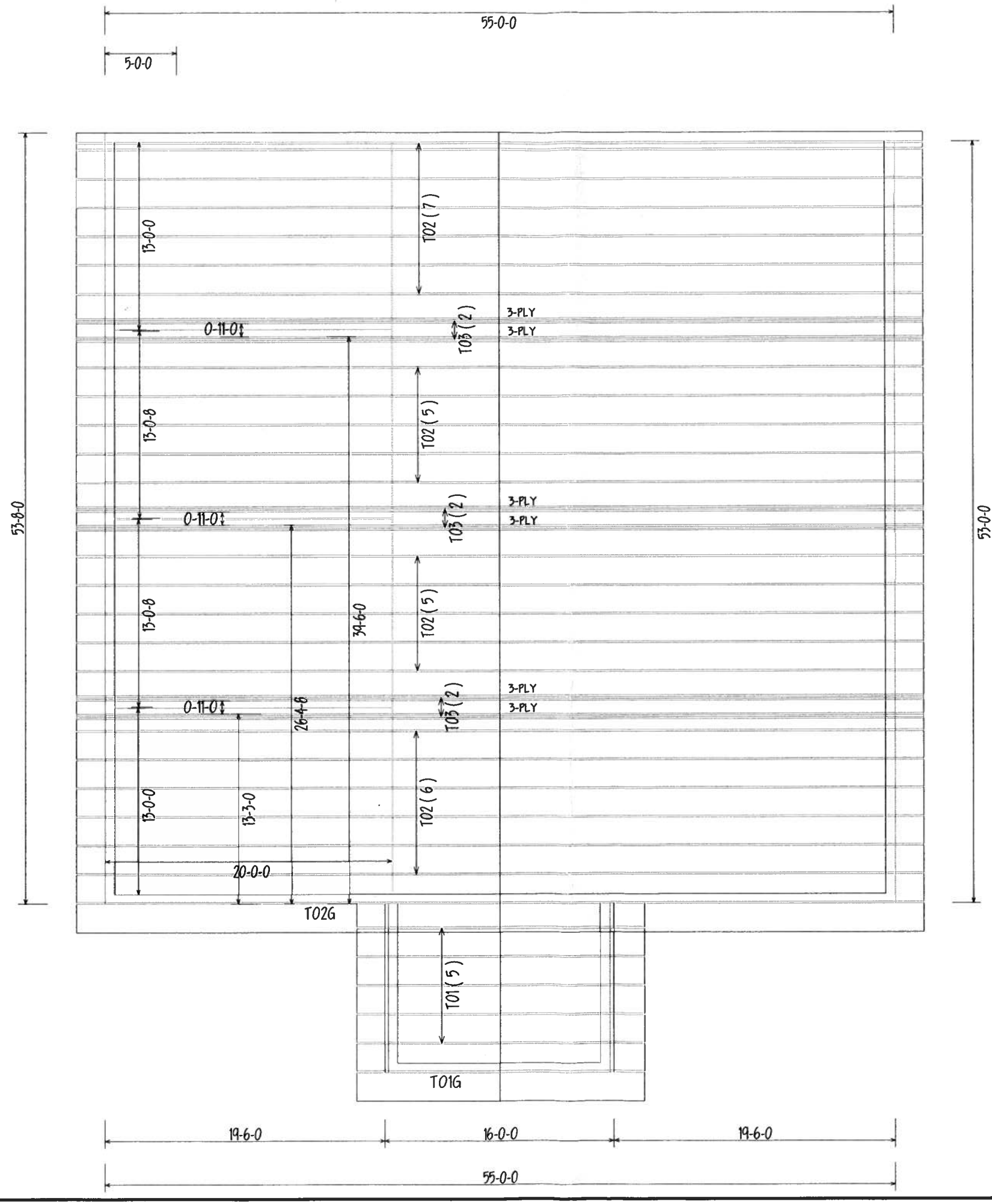
PROPOSED ADDITION
PINE GROVE BAPTIST CHURCH

REPORT OF SOIL BORINGS

DRAWN BY:	CKECKED BY:	DATE	JOB NO.
S.C. YOUNG	J.C. DORMAN	7/13/06	06-427

SHEET NO.
1 of 1

4/12 PITCH
2'0" O/H



BEARING HEIGHT SCHEDULE

8'-8"

NOTES:

1.) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V10S FOR ALTERNATE BRACING REQUIREMENTS.

3.) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4.) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5.) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6.) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7.) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8.) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

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

Requested Delivery Date: _____

Approved by: _____ Date: _____

Builders FirstSource

Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Lake City
PHONE: 904-755-6894 FAX: 904-755-7973

Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER: PINE GROVE BAPTIST

LEGAL ADDRESS: FELLOWSHIP HALL

MODEL:	REVISION:
	SCALE: NTS
DATE: 7-10-06	DRAWN BY: K.L.H.
	JOB #: L201869

ice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

7-18-06

86 N. Hwy 441 — Lake City

Address of Treatment or Lot/Block of Treatment) — City

Florida Pest Control & Chemical Co.

www.flapest.com

luct to be used: Bora-Care Termiticide (Wood Treatment)

mical to be used: 23% Disodium Octaborate Tetrahydrate

ication will be performed onto structural wood at dried-in stage of construction. -Care Termiticide application shall be applied according to EPA registered label tions as stated in the Florida Building Code Section 1861.1.8

rmation to be provided to local building code offices prior to concrete dation installation.)

6/04 ©