Mike Todd Construction
129 N.E. Colburn Avenue
Lake City, FL 32055
Phone: 386-755-4387

August 25, 2003

Columbia County Building Department
Attention: John Kerce

Dear Sir:

Please accept this letter as official notification. By mutual consent on August 18, 2003, the Gateway Baptist Church of Lake City, Florida accepted a request from Mike Todd Construction to withdraw as contractor for the construction project located on Branford Highway. The design engineer, Mr. Curtis Keen, will be inspecting the project. We also understand that it will be necessary for a new permit to be issued. Thank you for your help in this transition.

Sincerely,

_____ **for Mike Todd Construction**

_____ **for Gateway Baptist Church**

August 23, 2003

TO: Johnny Kerse
Columbia County Building Department

FROM: Gateway Baptist Church

RE: GATEWAY BAPTIST CHURCH Project
on Branford Highway

Please be advised effective August 18, 2003 by mutual agreement between Gateway Baptist Church, Inc. and Mike Todd, that Mike Todd Construction, Inc. will no longer be the contractor for Gateway Baptist Church, Inc.. J.L. DuPree Construction Services, Inc., P.O. Box 2861, Lake City, Florida 32056 has been retained as the church contractor. Please make this change on all permits and any other necessary construction documents.

If you have any questions, please call.

Very truly yours,

Lloyd E. Peterson, Jr., as
Chairman of Gateway Baptist Church
Building Committee

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

GENERAL PERMIT

PERMITTEE:
GATEWAY BAPTIST CHURCH
135 NORTH COLBURN STREET
LAKE CITY, FL 32055

PERMIT NUMBER: ERP02-0288
DATE ISSUED: 06/25/2002
DATE EXPIRES: 06/25/2004
COUNTY: COLUMBIA
TRS: S15/T4S/R16E

PROJECT: GATEWAY BAPTIST CHURCH

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

RICK MCCALL
GATEWAY BAPTIST CHURCH
135 NORTH COLBURN STREET
LAKE CITY, FL 32055

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

Construction and operation of a surfacewater management system serving 0.46 acres of impervious surface on a total project area of 3.50 acres, in a manner consistent with the application package submitted by Keen Engineering, Inc., certified on June 13, 2002.

It is your responsibility to insure that adverse off-site impacts do not occur either during or after construction. Any additional construction or alterations not authorized by this permit may result in flood control or water quality problems both on and off site and will be a violation of District rule.

You or any other substantially affected persons are entitled to request an administrative hearing pursuant to ss.120.57(1), Florida Statutes (F.S.), and s.40B-1.511, F.A.C., if they object to the District's actions. Failure to request a hearing within 14 days will constitute a waiver of your right to request such a hearing. In addition, the District will presume that permittee waives Chapter 120, F.S., rights to object or appeal the action upon commencement of construction authorized by the

permit.

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

Standard Conditions for All General Permits:

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

2. Water quality data representative of the water discharged from the permitted system, including, but not limited to, the parameters in chapter 62-3, F.A.C., shall be submitted to the District as required. If water quality data are required, the permittee shall provide data as required on the volume and rate of discharge including the total volume discharged during the sampling period. All water quality data shall be in accordance with and reference the specific method of analysis in "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association or "Methods for Chemical Analysis of Water and Wastes" by the U.S. Environmental Protection Agency.

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

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

operating schedules established by the District.

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

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

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

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

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

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

11. As-built certification shall be made by an engineer or surveyor.

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

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

14. The permittee is responsible for the perpetual operation and maintenance of the system unless the operation and maintenance is transferred pursuant to chapter 40B-4.1130, F.A.C., or the permit

is modified to authorize a new operation and maintenance entity pursuant to chapter 40B-4.1110, F.A.C.

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

Approved by Megan Walker Date Approved JUNE 25, 2002
District Staff

Clerk

Executive Director

Testing

The proposed 12 inch stabilized subgrade shall be tested and pass LBR 40. The eight inch lime rock base course shall be compacted to a passing maximum density of 98%, with three (3) density tests. Proof of passing density shall be forwarded to the local FDOT Permits Inspector a minimum of 48 hours in advance of any planned paving commencement. The Permittee, his/her General Contractor shall contact the FDOT Permits Office for directions as to the of the tests sites. No paving can be started without proof of passing density tests.

Pavement Striping and Signage Requirements

Per the approved permit and site plan the completed asphalt surface course shall have a "Lead Free", White Thermoplastic STOP BAR as well as of fifty L.F. (50') of Yellow, double six (6") wide, Thermoplastic Lane Separation Striping (or to State R/W Line) all per FDOT Index No. 17346. All new Thermoplastic Striping shall conform to the State FDOT Indexes 17302, 17346 and /or 11860. **All thermoplastic marking materials shall be "Certified Lead Free" Materials.** A single Series 600, R1-1 aboveground STOP SIGN shall be required to be constructed per the approved site plan. All aboveground signs proposed to be constructed upon FDOT Right-of way shall be constructed per approved site plan and per FDOT Index No. 17302, Sheet 1 of 1. All metal posts on FDOT shall be aluminum two inch or greater in diameter and set at a minimum height of 7 feet from EOP grade with Z-Bar brackets per FDOT Index No. 11860.

Notice: A 20-Day asphalt Cure-out period shall be required of the newly constructed asphalt surface course, before any thermoplastic markings may be placed down. The new connection shall not be utilized at any time before the FDOT Permits Office has made their final inspection with a passing grade inspection being received, with evidence of same to the Permittee.

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

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

Notice of Final Approved Plans Interpretation

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

Notice of Required Construction Standards

All construction shall be to the most current F.D.O.T. Roadway and Traffic Design Standards and F.D.O.T. Standard Specifications for Road and Bridge Construction. All construction shall be per approved permit, cover letter, general ans special provisions attached, as well as the signed and sealed site plans shall conform to all current F.D.O.T. Specifications Standards. No work can commence on F.D.O.T. right- of- way before the correct Maintenance of Traffic Plan is in place and is safely funtioning. The FDOT Permits Staff shall have final say as to any conflicts of opinion as it relates to the approved permit and FDOT Right-of-way.

DC

Florida Department of Transportation

JEB BUSH
GOVERNOR

THOMAS F. BARRY, JR.
SECRETARY

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

Date: 8-07-01

Keen Engineering & Surveying
Mr. Curtis Keen, P.E.
9263 CR-417
Live Oak, Florida 32060

RE: Approved FDOT Access Connection Permit
Gateway Baptist Church, Permittee

Permit No: Access 02-A-292-0032
State Highway No: 247
Permit Category: B
State Section No: 29090
State Mile Post: 8.155 + -

Mr. Keen:

This will acknowledge your request on behalf of your client, Gateway Baptist Church, in making proposed Access and Roadway Improvements to State Highway No. 247 in Columbia County, Florida. Your client is hereby granted permission by State Access permit to make the following improvements and/or modifications.

Access Connection Details

Proposed for construction is a single rural twenty-four foot (Double 12' wide lanes) wide asphalt paved radius return commercial access with the new driveway being constructed as a full movement drive. The new connection shall have a fifty-foot (50') right in and a thirty-five foot (35') paved turning radii. A minimum of twelve inches (12") of stabilized compacted subgrade earth fill base (LBR 40) and a minimum of eight (8") inches compacted depth of limerock base material shall be required. The proposed lime rock base shall be compacted to a maximum density of 98%. Two sloped and stabilized earth shoulders with a grade slope no steeper than 1:4 shall be required. A complete coverage of certified coastal Bermuda grass sod shall be required for the entire stabilized earth slope shoulders. The asphalt paved driving surface shall be constructed with a minimum of three inches thick FDOT Type S-III asphalt course from the edge of pavement five feet out with two inches thereafter to the right-of-way line. A minimum of seventy (70') L.F. of C.M.P. with mitered end sections attached to each end of CMP. **Note: The two required mitered end sections are included in the total mentioned above.** The proposed M.E.S.'s shall have concrete pads poured around each per FDOT Index No. 273. **Note: the proposed new sidedrain pipe shall be placed a minimum of 4 to 6 inches below existing ditch flow grade for future maintenance.**

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

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

Save Harmless Clause
Please refer to the approved permit, site plan drawings and if attached addendum and/or Survey Plat for Access type, location and construction details. Refer to the approved connection permit for additional **General and Special Provisions** that could alter construction design plans as shown on the attached site plan sheet. A copy of the approved site plan and the permit itself shall be on site at all times. Construction on the Department of Transportation's Right-of-Way shall meet all of the Department's Standard Construction Specifications and Safety Criteria.

This Permit is issued with the understanding that a Department approved contractor shall perform all construction in accordance with F.D.O.T. Specifications and that all costs of construction shall be borne by the applicant.

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

Also, please request your Engineer or Representative to contact our Permits Engineer, Neil E. Miles, at 1650 Lake Jeffery Road, Lake City, Florida, 32055-1415, Phone Number **(904) 961-7193** or if no answer **961-7180,** a minimum of **48** hours prior to your planned commencement date. Legal 2 way verbal contact is required.

Sincerely,

Neil E. Miles
Access Permits Engineer
Lake City Maintenance

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DRIVEWAY CONNECTION PERMIT
FOR ALL CATEGORIES

PART 1: PERMIT INFORMATION

APPLICATION NUMBER: 02-A-292-0032

Permit Category: "B" Access Classification: 4

PROJECT: Twenty Four ft. Asphalt Commercial Drive Connection, with a Fifty ft. in radius & a thirty five ft. out radius

PERMITTEE: Gate Way Baptist Church (Mike Todd)

Section/Mile Post: 29090 / 8.155 +- State Road: 247 Branford Highway

Section/Mile Post: _____ State Road: _____

Section/Mile Post: _____ State Road: _____

PART 2: PERMITTEE INFORMATION

Permit tee Name: Gate Way Baptist Church (Mike Todd)

Permit tee Mailing Address: 135 North Colburn St.

City, State, Zip: Lake City, Fl. 32055

Telephone: (386) 755-4387 wk. ( )

Engineer/Consultant/or Project Manager: Keen Engineering and Surveying Inc.

Engineer responsible for construction inspection: Curtis Keen (NAME) EB 3761 (P.E. #)

Mailing Address: 9263 CR-417

City, State, Zip: Live Oak, Fl. 32060

Telephone: (386) 362-4787

PART 3: PERMIT APPROVAL

The above application has been reviewed and is hereby approved subject to all Provisions as attached.

PERMIT NUMBER: 02-A-292-0032 Department of Transportation

Construction shall begin by: JUL 09 2003 (Date) BY: Neil E. Miles

And shall be completed no later than: AUG 09 2003 TITLE: Access Permit Engineer

Special provisions attached YES XX NO Date AUG 09 2002

NOTE: This permit is only valid for one calendar year from date of issuance.

See reverse side for General and Special Provisions

PART 4: GENERAL PROVISIONS

1. Notify the Department of Transportation Maintenance Office at least 48 hours in advance of starting proposed work.

   Phone: (386) 961-7180 Attention: John J. Nettles or Neil E. Miles

2. A copy of the approved permit must be displayed in a prominent location in the immediate vicinity of the connection construction.

3. Comply with 14-96.008(7) on Utility Notification Requirements.

4. Comply with 14-96.008 Construction & Maintenance of Traffic Requirements.

5. All work performed in the Department's right of way shall be done in accordance with the most current Department standards, specifications and the permit provisions.

6. The permit tee shall not commence use of the connection prior to a final inspection and acceptance by the Department.

7. Comply with 14-96.003(4)(a) Cost of Construction.

8. If a Significant Change of the permit tee's land use, as defined in Section 335.18, Florida Statutes, occurs, the Department may begin the process to modify or revoke the connection permit.

9. Medians may be added and the Department as part of a Construction Project or Safety Project may change median openings. The provision for a median might change the operation of the connection to be for right turns only.

10. All conditions in NOTICE OF INTENT WILL APPLY unless specifically changed by the Department.

11. All approved connection(s) and turning movements are subject to the Department's continuing authority to revoke or modify such connection(s) or turning movements in order to protect safety and traffic operations on the state highway or State Highway System.

12. Transportation Control Features in the state right of way. Transportation control features in the Department's right of way, including, but not limited to, traffic signals, medians, median openings, or any other transportation control features or measures in the state right of way are operational and safety characteristics of the State Highway and are not means of access. The Department may install, remove or modify any present or future transportation control feature in the state right of way such as median opening, traffic control device or a feature affecting turning movements through a connection, to make changes to promote safety in the right of way or efficient traffic operations on the highway.

13. The Permit tee for him/herself, his/her heirs, his/her assigns and successors in interest, binds and is bound and obligated to save and hold the State of Florida, The Department, it agents and employees harmless from any and all damages, claims, expense, or injuries arising out of any act, neglect or omission by the applicant, his/her heirs, assigns and successors in interest that may occur by reason of this, facility design, construction, maintenance or continuing existence of the connection facility, except that the applicant shall not be liable under this provision for damages arising from the sole negligence of the Department.

14. The Permit tee shall be responsible for determining and notify all other users of the right of way.

PART 5: SPECIAL PROVISIONS

NON-CONFORMING CONNECTIONS: YES_____ NO XX

If this is a non-conforming connection permit, as defined in Rule Chapters 14-96 and 14-97, then the following may be a part of this permit:

1. The non-conforming connection(s) described in this permit will carry no more than 600 in average daily traffic, or n/a in peak hour traffic.

2. All non-conforming connections will be subject to closure or relocation when reasonable access becomes available in the future.

OTHER SPECIAL PROVISIONS: Proposed to construct a twenty four (24) ft. asphalt commercial drive connection. With a fifty (50) ft ingress radius, and a thirty five (35) ft egress radius.

PER APPROVED SITE PLANS

AND COVER LETTER

The FDOT Indexes that shall be used for, and during construction are attached

:

. All areas disturbed within **FDOT Right Of Way** shall be dressed to a finish, as good or better, than pre-existing condition, and be seeded and mulched upon completion of driveway construction. ALL AREAS TO HAVE SOD SHALL BE WITH **CERTIFIED COASTAL BERMUDA SOD**.

ALL CONSRUCTION SHALL BE TO THE MOST CURRENT FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL CONSTRUCTION SHALL BE PER APPROVED PERMIT, COVER LETTER, SPECIAL PROVISIONS, SIGNED AND SEALED SITE PLANS AND CONFORM TO ALL FDOT SPECIFICATIONS AND INSPECTIONS. NO WORK CAN COMMENCE ON FDOT RIGHT-OF-WAY BEFORE APPROVED MAINTENANCE OF TRAFFIC PLAN IS IN PLACE. REFER TO THE ATTACHEDCOVER LETTER FOR POSSIBLE ADDITIONAL PERMITTED CONSTRUCTION DETAILS.

PART 6: PERMITTEE CERTIFICATION AND SIGNATURE

This permit is hereby signed and all provisions agreed to on date AUG 06 2002

I certify that I have read and understand the information and provisions contained in this permit. I further certify that I possess the authority to undertake the proposed activities.

WITNESSED BY: Teresa Pierce
(Signature)

PRINT OR TYPE: _____

_____
(Mailing Address)

_____
(City) (State) (Zip)

Signed: _____
(Applicant or authorized representative)

PRINT OR TYPE: Gate Way Baptist Church (Mike Todd)

TITLE: Property Owner

Address: 135 North Colburn St.

Lake City, Fl. 32055
(City) (State) (Zip)

DATE: AUG 06 2002

FLORIDA DEPARTMENT OF TRANSPORTATION

JEB BUSH
GOVERNOR

THOMAS F. BARRY, JR.
SECRETARY

PERMITTEE: GATEWAY BAPTIST CHURCH

Permit No: 02-A-292-0032 State Rd: 247 Section: 29090

MP: 8.155+ -/ PERMIT CATAGORY: "B",

Asst. Maintenance Engineer/ Permits Engineer Approval

NEIL E. MILES, PERMITS ENGINEER

THE FOLLOWING ARE SPECIAL PROVISIONS THAT ARE A LEGAL PART OF THIS PERMIT & DO APPLY TO THE ABOVE REFERENCED PERMIT, IF SO MARKED!

1. XXX All portions of the FDOT right-of-way disturbed during construction under this permit shall be mulched seeded and /or 2 feet of grass sod placed adjacent to the driving lane, or as called for under the approved permit & per FDOT specifications.
2. XXX Permittee shall restore wildflowers disturbed during utility placement with new seed to be (amount and & method) determined by Mr. Dick Bush, District Landscaping Engineer. Seed shall be delivered to Lake City Maintenance, Permits Office before commencement of utility placement.
3. XXX The Permittee will contact the appropriate city, county, State government Agency; a minimum of forty-eight (48) hours in advance of starting excavation within the area of any signalized intersection.
4. XXX The Permittee may be required to physically relocate (move), as so indicated under this permit at a future date, due to proposed future or on-going FDOT roadway construction planned within the limits of the permitted area.
5. XXX Existing utilities may be located within the construction area. Prior to permit approval, permittee shall locate and notify all utilities within the proposed limits of construction and or permitted area and obtain detailed information from the utility owners as to possible conflicts between utilities and permit tee's work. Permittee shall be responsible for pre & post permit coordination, and all adjustments and shall be solely responsible for resolving any conflicts of utilities, either before or during or after the final permitting. The Permittee shall be solely responsible for any and all damages to existing utilities and/or damage to third parties caused by interference with or damage to existing utilities. The Permittee shall show positive proof that all utility owners with existing interest in the area permitted, have been previously contacted in advance of final permit approval.
6. XXX No business is to be done on FDOT right-of-ways, if vehicles are to be serviced on roadside with pumps, Pump islands must be located at least twelve (12) feet from right-of-way line.
7. XXX Driveway permits are granted to permit access to abutting property only. Parking on right-of-way may be restricted or prohibited.
8. XXX The erection of signs on or overhanging the right-of-way of state roads is not permitted. The connection of any type of subsurface drainage to FDOT storm drains or ditches is prohibited unless by permit or as shown in the general or special provisions of the referenced permit.
9. XXX All Construction and/or Maintenance on the Department's right-of-way shall conform to Federal Manual on Uniform Traffic Control Devices (MUTCD), the Department's most current manual of the Roadway and Traffic Design Standards Specifications for Road and Bridge Construction.
10. XXX Pre and Final Inspections are required by FDOT Permits Office and the assigned inspector.
11. XXX A pre-construction review of the construction planned under the permit shall be mandatory. The Permittee shall make contact with the Lake City, Permits Office at (904)961-7180 or 961-7193, a minimum of 48 hours in advance of the Permit tee's planned start date so as to arrange a mutually time to meet. Failure by the Permittee to meet this requirement can be reason for revocation of the approved permit.
12. XXX if proposed permitted work limits are within a State Roadway Construction Area that is proposed or underway then the permittee shall schedule commencement date and all planned work under this permit with the State FDOT's contract representative in charge of on-site project operational responsibilities.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DRIVEWAY/CONNECTION APPLICATION FOR ALL CATEGORIES

OFFICE USE ONLY

Application Number: 02-A-292-0032

Category B

Accepted By: JJ Nettles
FDOT STAFF (TYPE OR PRINT)

Date: 7-09-02

APPLICANT COMPLETE REMAINDER OF FORM

PART 1: APPLICANT INFORMATION (Please type or print)

APPLICANT: GATEWAY BAPTIST CHURCH

Mailing Address: 135 NORTH COLBURN ST.

City, State, Zip: LAKE CITY, FL 32055

Telephone: ~~(904)~~ 386/755-4387

PROPERTY OWNER: GATEWAY BAPTIST CHURCH

Responsible Corporate Officer: MIKE TODD

Mailing Address: 135 NORTH COLBURN ST.

City, State, Zip: LAKE CITY, FL 32055

Telephone: (386) 755-4387

FAX, Mobile Phone, etc.: ( )
CIRCLE ONE

CONSULTING FIRM/PROJECT MANAGER:

KEEN ENGINEERING & SURVEYING, INC.

Mailing Address: 9263 CR 417

City State, Zip: LIVE OAK, FL 32060

Telephone: ( ) 362-4787

FAX, Mobile Phone, etc.: ( )
CIRCLE ONE

ARE YOU AN AUTHORIZED REPRESENTATIVE?
If the property owner desires to have a representative sign and handle the application, the owner must provide a notarized letter of authorization attached with the application. (SEE PART 2 OF THIS FORM BELOW)

PART 2: APPLICANTS AUTHORIZATION OF REPRESENTATIVE

Authorized Representative:
(NOTE: All correspondence will be made through the representative. A notarized letter of authorization must be attached if you use an authorized representative.)

Name:

Company:

Address:

Continue onto next page

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DRIVEWAY/CONNECTION APPLICATION FOR ALL CATEGORIES

APPLICANT (Continued)

IF YOU EXPECT 600 TRIPS PER DAY OR LESS FROM YOUR SITE, COMPLETE THIS SECTION BELOW:

PART 3: DESCRIPTION OF PROPOSED USE

CATEGORY A

Single Family Home

Duplex

Other use less than 21 vehicles per day : _____

CATEGORY B

Dwelling units ( )

Not to exceed 600 trips/day

Office/Commercial/Institutional in a small structure (enter type and gross square feet below).

TYPE OF USE CHURCH

SQUARE FEET OF STRUCTURE 15,700)

Other

_____

Description of Use

IF YOU EXPECT MORE THAN 600 TRIPS PER DAY FROM YOUR SITE, COMPLETE THIS SECTION BELOW:

Land Use	Units (Gross Sq. ft. or Dwelling Units)
Existing: N/A	
Proposed:	

Attach additional sheets if necessary

PART 4: TRIP GENERATION INFORMATION

Estimated Average Daily Volume: 400 ON SUNDAY - 200 ON WEDNESDAY
(Not required for Category A)

Estimated Average Peak Hour Volume: IN 125 **OUT** 25 **AM/PM (Circle AM, PM, Other)** ____

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DRIVEWAY/CONNECTION APPLICATION FOR ALL CATEGORIES

Continue onto next page

IF YOU ARE APPLYING FOR A TEMPORARY, PUBLIC STREET, OR SAFETY UPGRADE PERMIT COMPLETE THE FOLLOWING:

CHECK ONE

Temporary Permit, Description: N/A

From (Date): _____ To (Date): _____ (Not to exceed 6 months)

Public Street, Road or Facility, Description: _____ Expected Daily Traffic _____

Safety Upgrade, Description: _____

ATTACH EXTRA SHEETS IF NEEDED

PART 5: LOCATION INFORMATION

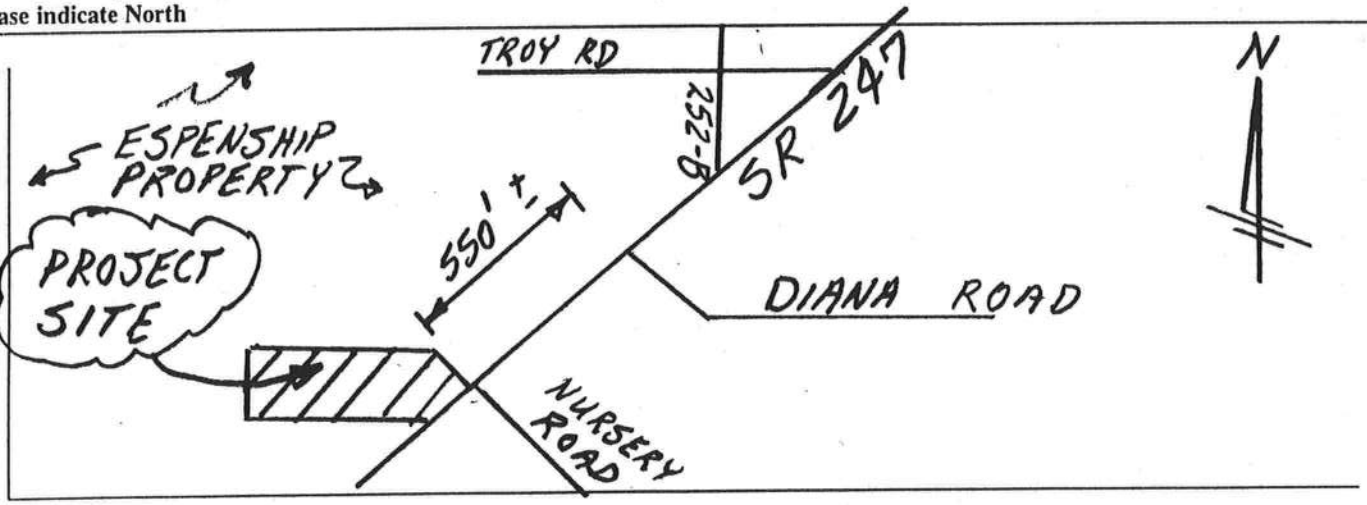
Property Physical Site Address: SR 247

Between: WEST SIDE SR 247 DIRECTLY ACROSS FROM NURSERY. ROAD & 550' SOUTH OF DIANA STREET

Street, Road, Etc. and Street, Road, Etc.

If development is in phases, please provide this information on a separate sheet.

Please indicate North



IF IT WILL SERVE TO BETTER COMMUNICATE,
PLEASE PROVIDE SKETCH OF PROPERTY LOCATION - (SCALE IS NOT IMPORTANT)

PART 6: HIGHWAY AND CONNECTION LOCATION INFORMATION

CONNECTION NO. 1	CONNECTION NO. 2
Road Name: SR 247	Road Name: N/A
Roadway Access Management Classification: 4 (Available at Department)	Roadway Access Management Classification: _____ (Available at Department)
Posted Speed Limit: 60 MPH	Posted Speed Limit: _____ MPH
Road Section Number: 29090 (Available at Department)	Road Section Number: _____ (Available at Department)
Mile Post Number: 8.155 + -	Mile Post Number: _____

APPLICANT (Continued)

PART 7: LOCAL GOVERNMENT DEVELOPMENT APPROVAL INFORMATION

Status of development approval (check one)

Already Approved: ✓ **IF SO, PLEASE ATTACH APPROVAL DOCUMENT TO APPLICATION**

Approval Pending: _____ If "approval pending" what is expected approval date? _____

Local government development approval official:

Name: SRWMD Title: _____

Department/Office: _____

Street Address: _____

City, State, ZIP: _____

Telephone: ( ) _____

PART 8: SITE PLAN AND CONNECTION LOCATION CHECKLIST

FOR CATEGORIES C,D,E,F & G. This is the minimum information required for review. This information shall be signed, sealed and dated by a Professional Engineer registered in Florida.

A. Site Plan Map (Scale: _____) .

Number of Copies: 5

Include:

✓	Site circulation plan and parking layout
/	Location of your proposed connections
N/A	Location of existing median openings serving the property
✓	Location of all public streets serving the property
/	All known easements
_____	Property lines
✓	Right of way lines
N/A	All out-parcels
—	Ownership of abutting parcels
—	Inset site location map
✓	Location of buildings and other permanent features that affect sight distance or circulation on public roads
—	Existing joint property access features
_____	_____

Continue on next page

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DRIVEWAY/CONNECTION APPLICATION FOR ALL CATEGORIES

PART 8: SITE PLAN AND CONNECTION DESIGN CHECKLIST (CONTINUED)

B. Connection Design Plan (Scale: 1" = 30')

Includes:

- ✓ Connection/driveway dimensions (include width, angle, radius, flare, etc.)
- N/A All roadway alterations
- N/A Auxiliary lanes with cross section
- ✓ Existing traffic control devices
- ✓ Proposed traffic control devices
- ✓ Striping and signing plans
- ✓ Pavement design include cross section for connection(s)
- N/A Pavement design including cross section for auxiliary lanes

C. Drainage from Topo Plans (Separate map from Site Plan & Connection Design may be required)

- ✓ Culvert size and type
- ✓ Existing grading
- ✓ Proposed grading
- ✓ Stormwater facilities
- ✓ Drainage facilities

(Due to scale, this exhibit may need to be separate from other exhibits) Recent aerial photos are acceptable.

Location and spacing of connections, median openings, and roads for:

- ✓ 660 Ft. (200 M) each side of the proposed connection for roads with speeds 45 MPH (70 KPH) or less
- ____ 1320 Ft. (400 M) each side of the proposed connection for roads with speeds greater than 45 MPH (70 KPH)
- ____ Above information for both sides of the street
- ____ *Other, Explain

*Due to a restrictive median, or other physical features, the requirements of this section may be less.

PART 9: TRAFFIC STUDY

FOR CATEGORY D,E,F,&G application or any application requesting a Traffic Signal, New Median Opening, or Modified Median Opening.

- N/A ____ Traffic Study
- ____ Peak hour movements from each proposed connection
- ____ Existing conditions
- ____ Future conditions (Year)

Continue onto next page

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DRIVEWAY/CONNECTION APPLICATION
FOR ALL CATEGORIES

APPLI[illegible]

PART III: ADDITIONAL INFORMATION [illegible]

5 Number of packages.

5 Application forms bearing original signatures.

2 Applicable designs and traffic studies and sealed by a professional engineer.

NOTES: SEE DRIVEWAY CONNECTION PERMIT FORM 850-040-18, LEGAL COVER LETTER, PROVISION SHEETS, INDEX ATTACHMENT AND SIGNED AND SEALED PLANS FOR ALL SPECIAL PROVISIONS AND CONSTRUCTION DETAILS.

PART IV: NOTICE [illegible]

Proposed features in the right-of-way, such as median openings and other traffic control devices, are not part of the connection(s) to be authorized by a connection permit. The Department reserves the right to change these features in the future in order to promote safety in the right of way or efficient traffic operations on the highway. Expenditure by the applicant of monies for installation or maintenance of such features shall grant no vested right in the maintenance of such features.

PART V: CERTIFICATION [illegible]

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

Signed Mike Todd (Applicant or authorized representative) Date: 6/24/02

Printed Name: MIKE TODD

TITLE: BUILDING COMITTEE CHAIRMAN

(PROFESSIONAL ENGINEER REGISTRATION NUMBER (IF APPLICABLE))

135 NORTH COLBURN ST
Mailing Address)

LAKE CITY FL 32055
(City) (State) Zip

END

KEEN ENGINEERING & SURVEYING, INC.
9263 COUNTY ROAD 417
LIVE OAK, FLORIDA 32060
(904) 362-4787

JOB GATEWAY BAPTIST
SHEET NO. 1 OF 7
CALCULATED BY CEK DATE 6/11/02
CHECKED BY _____ DATE _____
SCALE _____

A PROPOSED CHURCH BUILDING (15,700 SF) AND CONCRETE SIDEWALKS/PARKING (4,388 SF) IS TO BE CONSTRUCTED ON A 13.49 ACRE SITE. THE ROADWAY AND PARKING (EXCEPT HANDI-CAPPED) WILL BE GRASSED.

THE STORMWATER DISCHARGE WILL SHEET FLOW TO THE WEST TO A SWALE DITCH OR TO THE NORTH TO THE BASIN/SWALE DITCH.

THERE WILL BE A CONCRETE SPILLWAY ON THE EAST WALL OF THE BASIN FOR EMERGENCY DISCHARGE.

THE DIFFERENCE BETWEEN THE POST-DEVELOPED MINUS THE PRE-DEVELOPED RUNOFF FROM A 100 YEAR CRITICAL DURATION STORM WILL BE PROVIDED.

A PERCOLATION RATE OF 1.5 INCHES PER HOUR WILL BE USED. S.C.S. SHOWS BLANTON SAND & CONFIRMED BY THIS OFFICE WITH A SOIL AUGER TO A 5' DEPTH.

A PRE "C" RATE OF 0.2 WILL BE USED.

THE DRAINAGE DIVIDE IS 3.495 ACRES.

Curtis Keen
7/1/02

KEEN ENGINEERING & SURVEYING, INC.
9263 COUNTY ROAD 417
LIVE OAK, FLORIDA 32060
(904) 362-4787

JOB GATEWAY BAPTIST
SHEET NO. 2 OF 7
CALCULATED BY CEK DATE 6/11/02
CHECKED BY _____ DATE _____
SCALE _____

POST CA

PROJECT = 152,230 SF OR 3.495 ACRES

CONCRETE	= 4,388 SF	x 0.9	=	3,949
BUILDINGS	= 15,700 SF	x 0.9	=	14,130
BASIN	= 10,000 SF	x 1.0	=	10,000
GREEN	= 124,151 SF	x 0.2	=	24,830
				52,909

52,909 / 152,230 = 0.3476

1" WATER QUALITY

152,230 x 0.3476 x 1"/12" = 4,408 CF REQUIRED

26,048 CF PROVIDED ok.

Curtis Keen
7/1/02

This Program uses the Suwannee River Water Management District's rainfall distributions, a total rainfall amount entered by the user, and the rational method to compute a runoff hydrograph. The hydrograph is routed through a retention/detention area using the Storage Indication Method.

PROJECT DESCRIPTION:
GATEWAY BAPTIST CHURCH
LAKE CITY, FLORIDA

DRAINAGE AREA = 3.495 ACRES
PRE-DEVELOPED RUNOFF COEFFICIENT = .2
POST-DEVELOPED RUNOFF COEFFICIENT = .3476

STAGE (FT)	STORAGE (AC FT)
91.00	0
92.00	.0894
93.00	.2189
94.00	.3884
94.75	.5418
95.00	.598

STAGE (FT)	DISCHARGE (CFS)
94.75	0.00
95.00	1.66

STAGE (FT)	PERCOLATION (CFS)
91.00	0.00
92.00	0.17
93.00	0.23
94.00	0.29
94.75	0.33
95.00	0.35

STORM DURATION = 1H
FREQUENCY = 100 YEAR
TOTAL RAINFALL = 4.2 INCHES

Curtis Keen

TIME 14:48:41 DATE 06-12-2002

TIME (HR)	RAINFALL INTENSITY (IN/HR)	RUNOFF (CFS)	OUTFLOW		STAGE (FT)
			SURFACE DISCHARGE (CFS)	PERCOLATION (CFS)	
0.00	0.00	0.00	0.00	0.00	0.00
3.00			0.00	0.28	93.81
6.00			0.00	0.26	93.42
9.00			0.00	0.23	93.07
12.00			0.00	0.21	92.66
15.00			0.00	0.19	92.28
18.00			0.00	0.16	91.92
21.00			0.00	0.10	91.58
24.00			0.00	0.06	91.36
27.00			0.00	0.04	91.22
30.00			0.00	0.02	91.14

ALLOWABLE DISCHARGE = 6.31 CFS
PEAK SURFACE DISCHARGE = 0.00 CFS
ALLOWABLE SURFACE DISCHARGE VOLUME = 0.2447 AC. FT.
SURFACE DISCHARGE VOLUME = 0.0000 AC. FT.
MAXIMUM STAGE = 94.08 FT
STORAGE REQUIRED = 0.4047 AC. FT.

STORM DURATION = 2H
FREQUENCY = 100 YEAR
TOTAL RAINFALL = 5.1 INCHES

TIME (HR)	RAINFALL INTENSITY (IN/HR)	RUNOFF (CFS)	OUTFLOW		STAGE (FT)
			SURFACE DISCHARGE (CFS)	PERCOLATION (CFS)	
0.00	0.00	0.00	0.00	0.00	0.00
4.00			0.00	0.30	94.12
8.00			0.00	0.27	93.60
12.00			0.00	0.24	93.11
16.00			0.00	0.20	92.58
20.00			0.00	0.18	92.09
24.00			0.00	0.10	91.61
28.00			0.00	0.06	91.32
32.00			0.00	0.03	91.17
36.00			0.00	0.02	91.09

ALLOWABLE DISCHARGE = 4.46 CFS
PEAK SURFACE DISCHARGE = 0.00 CFS
ALLOWABLE SURFACE DISCHARGE VOLUME = 0.2971 AC. FT.
SURFACE DISCHARGE VOLUME = 0.0000 AC. FT.
MAXIMUM STAGE = 94.37 FT
STORAGE REQUIRED = 0.4634 AC. FT.

Curtis D. Keen
6/13/02

TIME 14:48:41 DATE 06-12-2002

STORM DURATION = 4H
FREQUENCY = 100 YEAR
TOTAL RAINFALL = 6.08 INCHES

TIME (HR)	RAINFALL INTENSITY (IN/HR)	RUNOFF (CFS)	OUTFLOW		STAGE (FT)
			SURFACE DISCHARGE (CFS)	PERCOLATION (CFS)	
0.00	0.00	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.00	0.33	94.69
8.00			0.00	0.30	94.19
12.00			0.00	0.27	93.67
16.00			0.00	0.24	93.17
20.00			0.00	0.21	92.65
24.00			0.00	0.18	92.15
28.00			0.00	0.11	91.66
32.00			0.00	0.06	91.35
36.00			0.00	0.03	91.19
40.00			0.00	0.02	91.10

ALLOWABLE DISCHARGE = 2.21 CFS
PEAK SURFACE DISCHARGE = 0.00 CFS
ALLOWABLE SURFACE DISCHARGE VOLUME = 0.3542 AC. FT.
SURFACE DISCHARGE VOLUME = 0.0000 AC. FT.
MAXIMUM STAGE = 94.69 FT
STORAGE REQUIRED = 0.5301 AC. FT.

STORM DURATION = 8H
FREQUENCY = 100 YEAR
TOTAL RAINFALL = 7.36 INCHES

TIME (HR)	RAINFALL INTENSITY (IN/HR)	RUNOFF (CFS)	OUTFLOW		STAGE (FT)
			SURFACE DISCHARGE (CFS)	PERCOLATION (CFS)	
0.00	0.00	0.00	0.00	0.00	0.00
5.00	1.18	1.43	0.00	0.32	94.47
10.00			0.00	0.31	94.44
15.00			0.00	0.28	93.81
20.00			0.00	0.24	93.18
25.00			0.00	0.20	92.53
30.00			0.00	0.16	91.92
35.00			0.00	0.07	91.42
40.00			0.00	0.03	91.19
45.00			0.00	0.01	91.09

Curtis Keen
6/12/02

TIME 14:48:41 DATE 06-12-2002

ALLOWABLE DISCHARGE = 2.16 CFS
PEAK SURFACE DISCHARGE = 0.14 CFS
ALLOWABLE SURFACE DISCHARGE VOLUME = 0.4287 AC. FT.
SURFACE DISCHARGE VOLUME = 0.0117 AC. FT.
MAXIMUM STAGE = 94.77 FT
STORAGE REQUIRED = 0.5466 AC. FT.

STORM DURATION = 24H
FREQUENCY = 100 YEAR
TOTAL RAINFALL = 9.84 INCHES

TIME (HR)	RAINFALL INTENSITY (IN/HR)	RUNOFF (CFS)	OUTFLOW		STAGE (FT)
			SURFACE DISCHARGE (CFS)	PERCOLATION (CFS)	
0.00	0.00	0.00	0.00	0.00	0.00
6.00	0.39	0.48	0.00	0.17	92.08
12.00	0.98	1.20	0.00	0.27	93.70
18.00	0.39	0.48	0.00	0.33	94.70
24.00	0.00	0.00	0.00	0.32	94.57
30.00			0.00	0.28	93.81
36.00			0.00	0.23	93.06
42.00			0.00	0.19	92.28
48.00			0.00	0.10	91.57
54.00			0.00	0.04	91.22
60.00			0.00	0.01	91.09

ALLOWABLE DISCHARGE = 0.69 CFS
PEAK SURFACE DISCHARGE = 0.09 CFS
ALLOWABLE SURFACE DISCHARGE VOLUME = 0.5732 AC. FT.
SURFACE DISCHARGE VOLUME = 0.0114 AC. FT.
MAXIMUM STAGE = 94.76 FT
STORAGE REQUIRED = 0.5450 AC. FT.

STORM DURATION = 3D
FREQUENCY = 100 YEAR
TOTAL RAINFALL = 12.4 INCHES

TIME (HR)	RAINFALL INTENSITY (IN/HR)	RUNOFF (CFS)	OUTFLOW		STAGE (FT)
			SURFACE DISCHARGE (CFS)	PERCOLATION (CFS)	
0.00	0.00	0.00	0.00	0.00	0.00
8.00	0.11	0.14	0.00	0.05	91.29
16.00	0.20	0.24	0.00	0.19	92.35
24.00	0.04	0.05	0.00	0.17	92.01
32.00	0.11	0.14	0.00	0.11	91.66
40.00	0.24	0.29	0.00	0.21	92.70

TIME 14:48:41 DATE 06-12-2002

48.00	0.04	0.05	0.00	0.19	92.34
56.00	0.17	0.21	0.00	0.17	92.03
64.00	0.35	0.42	0.00	0.26	93.50
72.00	0.00	0.00	0.00	0.24	93.20
80.00			0.00	0.18	92.19
88.00			0.00	0.06	91.37
96.00			0.00	0.02	91.10
104.00			0.00	0.00	91.03

ALLOWABLE DISCHARGE = 0.43 CFS
PEAK SURFACE DISCHARGE = 0.00 CFS
ALLOWABLE SURFACE DISCHARGE VOLUME = 0.7223 AC. FT.
SURFACE DISCHARGE VOLUME = 0.0000 AC. FT.
MAXIMUM STAGE = 93.55 FT
STORAGE REQUIRED = 0.3122 AC. FT.

STORM DURATION = 10D
FREQUENCY = 100 YEAR
TOTAL RAINFALL = 16.1 INCHES

TIME (HR)	RAINFALL INTENSITY (IN/HR)	RUNOFF (CFS)	OUTFLOW		STAGE (FT)
			SURFACE DISCHARGE (CFS)	PERCOLATION (CFS)	
0.00	0.00	0.00	0.00	0.00	0.00
24.00	0.03	0.04	0.00	0.04	91.22
48.00	0.06	0.08	0.00	0.19	92.35
72.00	0.05	0.06	0.00	0.06	91.37
96.00	0.02	0.02	0.00	0.02	91.12
120.00	0.02	0.02	0.00	0.02	91.12
144.00	0.02	0.02	0.00	0.02	91.12
168.00	0.05	0.06	0.00	0.06	91.34
192.00	0.11	0.14	0.00	0.27	93.67
216.00	0.06	0.08	0.00	0.15	91.91
240.00	0.00	0.00	0.00	0.03	91.15

ALLOWABLE DISCHARGE = 0.39 CFS
PEAK SURFACE DISCHARGE = 0.00 CFS
ALLOWABLE SURFACE DISCHARGE VOLUME = 0.9378 AC. FT.
SURFACE DISCHARGE VOLUME = 0.0000 AC. FT.
MAXIMUM STAGE = 93.67 FT
STORAGE REQUIRED = 0.3328 AC. FT.

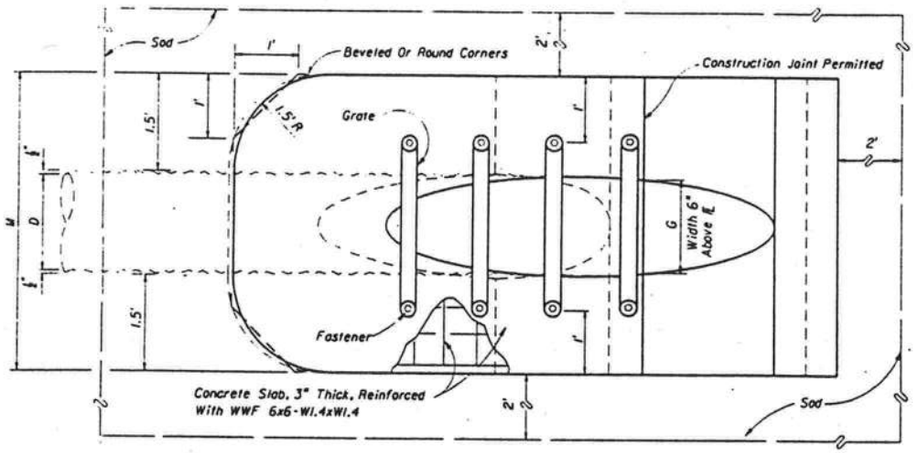
Curtis Keen

DIMENSIONS & QUANTITIES

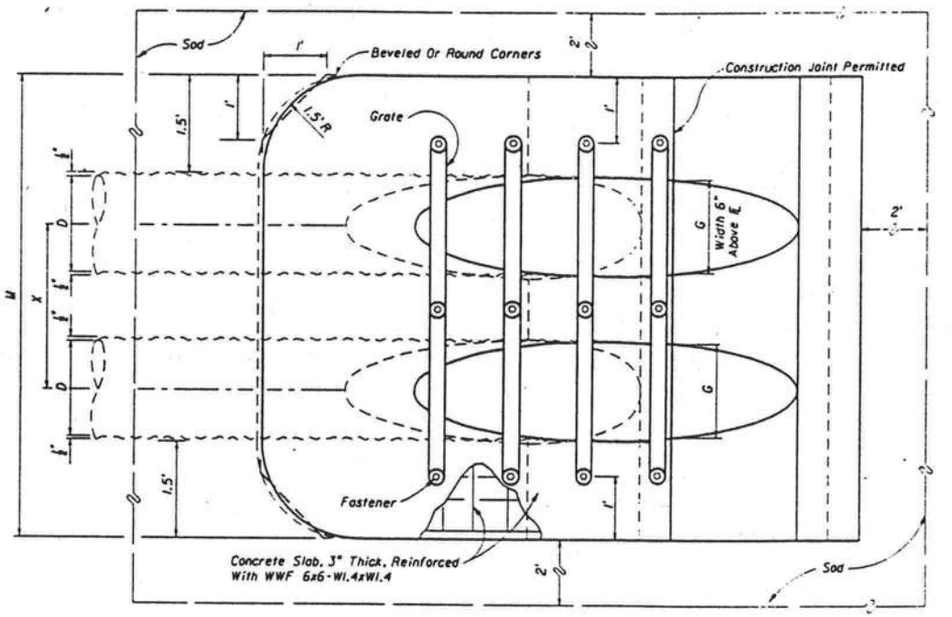
D	X	A	B	C	E	F	G	M Single Pipe	M Double Pipe	M Triple Pipe	M Quad. Pipe	N	GRATE SIZES Standard Weight Pipe	GRATE SIZES Extra Strong Pipe	CONCRETE (Cu. Yds.) Single Pipe	CONCRETE (Cu. Yds.) Double Pipe	CONCRETE (Cu. Yds.) Triple Pipe	CONCRETE (Cu. Yds.) Quad. Pipe	SODDING (Sq. Yds.) Single Pipe	SODDING (Sq. Yds.) Double Pipe	SODDING (Sq. Yds.) Triple Pipe	SODDING (Sq. Yds.) Quad. Pipe
8"	2'-0"	2.5'	0.72'	3.22'	0.7'	4.0'	0.58'	3.75'	5.75'	7.75'	9.75'	1.04'			0.52	0.90	1.22	1.54	7	8	8	9
10"	2'-2"	2.5'	1.34'	3.84'	1.3'	5.0'	0.81'	3.92'	6.08'	8.25'	10.41'	1.04'			0.64	0.99	1.34	1.70	7	8	9	10
12"	2'-4"	2.5'	2.06'	4.56'	2.0'	6.0'	1.00'	4.08'	6.42'	8.75'	11.08'	1.04'			0.68	1.09	1.48	1.88	7	8	10	11
15"	2'-7"	2.5'	3.09'	5.59'	3.0'	7.0'	1.23'	4.33'	6.92'	9.50'	12.08'	1.04'			0.64	1.00	1.35	1.71	8	9	10	11
18"	2'-10"	2.5'	4.12'	6.62'	4.0'	8.0'	1.41'	4.58'	7.42'	10.25'	13.08'	1.04'			0.69	1.09	1.49	1.89	9	10	11	12
24"	3'-5"	2.5'	6.18'	8.68'	6.0'	10.0'	1.73'	5.08'	8.50'	11.92'	15.33'	1.04'			0.83	1.34	1.82	2.34	10	11	13	14
30"	4'-3"	2.5'	8.25'	10.75'	8.0'	12.0'	2.00'	5.58'	9.83'	14.08'	18.33'	1.04'	2½"	3"	0.96	1.63	2.32	2.99	11	13	15	17
36"	5'-1"	2.5'	10.31'	12.81'	10.0'	14.0'	2.24'	6.08'	11.17'	16.25'	21.33'	1.04'	2½"	3"	1.08	1.92	2.77	3.62	12	14	17	19
42"	6'-0"	2.5'	12.37'	14.87'	12.0'	16.0'	2.45'	6.58'	12.58'	18.58'	24.58'	1.04'	2½"	3½"	1.20	2.26	3.34	4.61	13	16	18	21
48"	6'-9"	2.5'	14.43'	16.93'	14.0'	18.0'	2.65'	7.08'	13.83'	20.58'	27.33'	1.04'	2½"	3½"	1.60	3.11	4.62	6.12	14	17	20	23
54"	7'-8"	2.5'	16.49'	18.99'	16.0'	20.0'	2.83'	7.58'	15.25'	22.92'	30.58'	1.04'	3"	4"	1.76	3.56	5.34	7.14	15	19	22	26
60"	8'-6"	2.5'	18.55'	21.05'	18.0'	22.0'	3.00'	8.08'	16.58'	25.08'	33.58'	1.04'	3"	4"	1.94	4.03	6.12	8.20	17	20	24	28

REMARKS

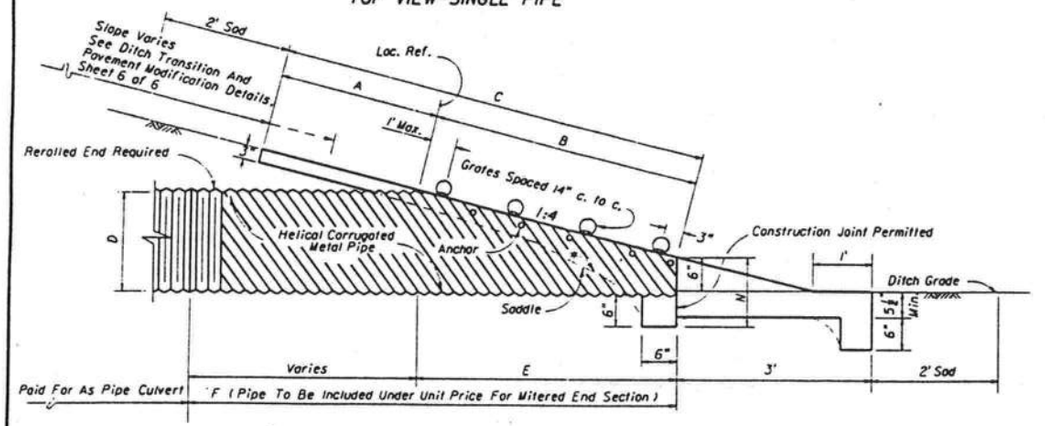
These sizes are restricted to inlet and outlet treatment for water management systems or similar applications.



TOP VIEW - SINGLE PIPE



TOP VIEW - MULTIPLE PIPE



SECTION

NOTE: See Sheets 5 and 6 for details and general notes.

*Slope:
To ℄ Pipe For Pipe 18" And Smaller
1:2 For Pipe 24" And Larger

STATE OF FLORIDA DEPARTMENT OF TRANSPORTA
ROAD DESIGN

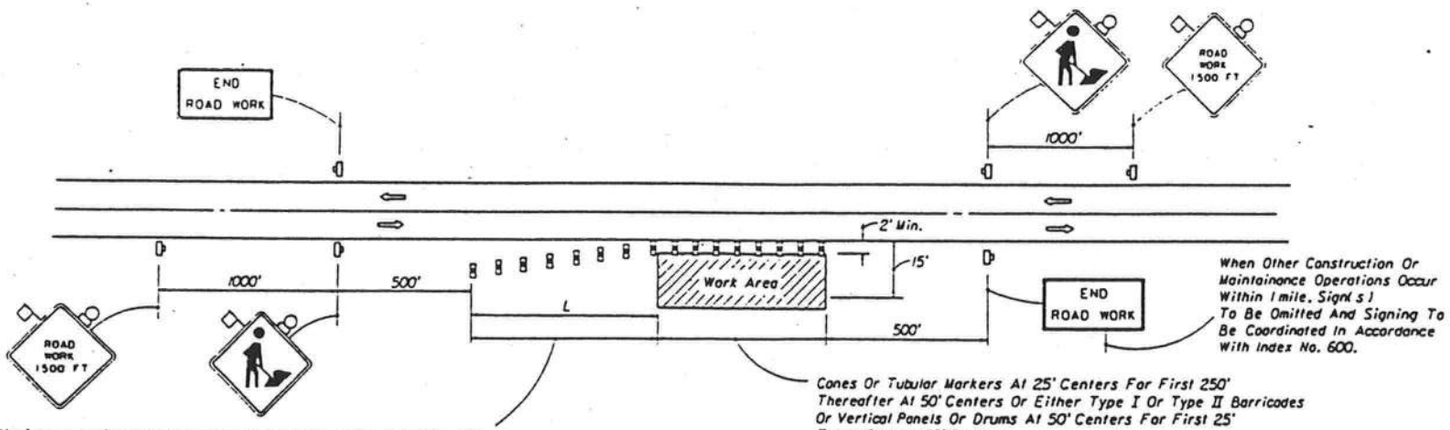
SIDE DRAIN MITERED END SECTION

SINGLE AND MULTIPLE ROUND CORRUGATED METAL

	Names	Dates
Designed By	EGR	08/77
Drawn By	MKH	08/77
Checked By	MG	08/77

Approved By _____
State Roadway Design Engi

Revision	Sheet No.
00	2 of 6



When Other Construction Or Maintainance Operations Occur Within 1 mile, Sign(s) To Be Omitted And Signing To Be Coordinated In Accordance With Index No. 600.

Cones Or Tubular Markers At 25' Centers For First 250' Thereafter At 50' Centers Or Either Type I Or Type II Barricades Or Vertical Panels Or Drums At 50' Centers For First 25' Thereafter At 100' Centers.

Maximum spacing between cones and tubular markers shall be 25'
Maximum spacing between Type I or Type II barricades or vertical panels or drums shall be based on the speed limit as follows:
15' up to 25 MPH; 30' for 30 - 40 MPH;
50' for 45 MPH and greater.

SYMBOLS

- Work Area
- Sign With 18" x 18" (Min.) Orange Flag And Type B Light
- Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only). (Tubular Markers May Be Used During Daylight Only. Cones May Be Used -See Index 600).
- Work Zone Sign

GENERAL NOTES

1. All vehicles, equipment, workers (except flaggers) and their activities are restricted at all times to one side of the roadway.
2. If the work operation does not exceed 60 minutes, traffic control will be in conformance with Index No. 607.
3. When four or more work vehicles enter the through traffic lanes in a one hour period or less, the advanced FLAGGER sign shall be substituted for the WORKERS sign. For location of flaggers and FLAGGER signs, see Index No. 603
4. The first two warning signs shall have a 18" x 18"(min.) orange flag and a Type B light attached and operating at all times.
   Mesh signs may be used for (Daylight Only) operations Type B Lights and Orange Flags are not required.
5. The WORKERS legend sign may be substituted for the symbol sign.
6. All signs shall be post mounted if the work operation time exceeds 12 hours.
7. L (min) = $\frac{WS}{2}$ for speeds ≥ 45 mph
   = $\frac{WS^2}{120}$ for speeds ≤ 40 mph
   Where:
   W = Width of shoulder in feet, 8' minimum.
   S = Posted speed limit (mph)
8. Arrows denote direction of traffic only and do not reflect pavement markings.
9. Longitudinal dimensions are to be adjusted to fit field conditions. See Index No. 600.
10. WORKERS sign to be removed or fully covered when no work is being performed.
11. When a side road intersects the highway on which work is being performed additional traffic control devices shall be erected in accordance with other applicable TCZ Indexes.
12. For general TCZ requirements and additional information refer to Index No. 600.

TYPICAL APPLICATIONS

Utility Work
Culvert Extensions
Side Slope Work
Guardrail Work
Landscaping Work
Cleaning Drainage Structures
Reworking Ditches
Sign Installation And Maintenance
Shoulder Repair

CONDITIONS

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

STATE OF FLORIDA DEPARTMENT OF TRANSPORTA
ROAD DESIGN

TRAFFIC CONTROL THROUGH WORK ZONES

TWO-LANE, TWO-WAY • RU
DAY OR NIGHT OPERATIO

	Names	Dates
Designed By		6/98
Drawn By		6/98
Checked By		6/98

Approved By
Roadway Design Engineer

Revision	Sheet No.
00	1 of 1

60

FORM 850-040-16
SYSTEMS PLANNING
11/93

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

RECEIPT OF CONNECTION APPLICATION AND FEE (OR WAIVER OF FEE)

IMPORTANT NOTE: Even though your application has been accepted, it may not be complete. We will contact you if more information is needed.

(1) APPLICATION NUMBER: **02-A-292 0032**
(This I.D. Number to be filled out by Permit Staff)

APPLICANT: **Gateway Baptist Church (Mike Todd)**

(2) Name/Address: **135 North Colburn St. Lake City, Fl 32055**

ACCESS PROPOSED: **24' ft. Asphalt Commercial Driveway Connection.**

(3) Project Name: R. MOORE FARMS, INC.

(4) Fee

		VEHICLES PER DAY	FEE
( )	Category A	1-20	$50.00
(X)	Category B	21-600	$250.00
( )	Category C	601-1,200	$1,000.00
( )	Category D	1,201-4,000	$2,000.00
( )	Category E	4,001-10,000	$3,000.00
( )	Category F	10,001-30,000	$4,000.00
( )	Category G	30,001 +	$5,000.00
( )	Temporary		$250.00
( )	Safety Upgrade	NO FEE	
( )	Public Street/Facility		FEE WAIVER ☐

(Only if local government agrees not to charge FDOT for permit fees. If no agreement, then fee is based on daily traffic) See item (8).

(5) Application Fee Collected $ **250.00**

Payment: Certified Check_____ Money Order_____

Cashier's Check **YES** Check Number: **138117**

Other:_____

(6) Fee Collected By

Name **John J. Nettles**
(PRINT)

Signature John J Nettles

Date **07-09-02** District **2** Unit **LAKE CITY**

(7) Receipt Given Back to Applicant Via **RECEIPT NO.:** 70862

( ) Hand Delivery (X) Mail ( ) Courier Service ( ) Other

Applicant (or Agent) Signature (if available) N/A

This form bears your application number and serves as your receipt.

(8) If fee is waived, give justification below or on separate sheet.

FOR AGENCY USE ONLY - ATTACH COPY OF CHECK ON THE NEXT PAGE
Make Checks payable to: State of Florida Department of Transportation

Safety Upgrade: _____.

Local Government _____* agrees not to charge the department permit fees.
NAME OF LOCAL GOVERNMENT

Local Government Officer: _____
NAME SIGNATURE

DATE

Other - Explain _____

*Signature not necessary if signed Fee Waiver Agreement is on file with the Department.

RECORD OF SALE OF GOODS OR SERVICE/RECEIPT TRANSMITTAL

DISTRICT OFFICE 2/Maintenance

SOLD TO:

NAME: Gateway Baptist Church

ADDRESS: Mike Todd

135 North Colburn Street

Lake City, Florida 32055

DELIVERY:

☐ PICK UP: _____ RECEIVED BY (SIGNATURE)

☐ SHIP TO:

SOLD TO ADDRESS:

CONTACT: _____

TELEPHONE NO. _____

70862

TYPE OF MATERIAL

INDIVIDUAL SALE: AMOUNT OF CHECK $ 250.00 AND / OR AMOUNT OF CASH $ _____

BATCH TRANSMITTAL: AMOUNT OF CHECKS $ _____ AND / OR AMOUNT OF CASH $ _____

SALE ON ACCOUNT: ACCOUNT # _____

DESCRIPTION OF SALE(S)

DESCRIPTION OF SALE	UNIT PRICE	SUBTOTAL	SALES TAX	DISCRET. TAX	TOTAL
onnection Fee	250.00				250.00
P# 02-A-292-0032					

TRANSACTION AUTHORIZED BY:

Rana Crawford — PRINT NAME

Rana Crawford — SIGNATURE

(386) 961-7180 — TELEPHONE NO.

DATE

IF SALE ON ACCOUNT PERSON AUTHORIZING SALE

PRINT NAME

TELEPHONE NO.

SIGNATURE

DATE

COST DISTRIBUTION

ORGANIZATION CODE	EO	OBJECT	AMOUNT	FINANCIAL PROJ. (11 DIGITS)	B	EOB
5-910200000	HM	004029	250.00			

ll, Cashier's Office, MS 42 Copies - (1) Customer (1) Financial Reporting, MS 42 (1) Retained in Custodial Office

Whole Building Performance Method for Commercial Buildings Form 400A-97

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Florida Department of Community Affairs

FLA/COM-97 Version 2.2

PROJECT NAME_GATEWAY BAPTIST CHURCH_____
ADDRESS: _S.R. 247_____
_LAKE CITY, FLORIDA_____
OWNER: _GATEWAY BAPTIST CHURCH_____
AGENT: _____

PERMITTING OFFICE:
_Lake City_____
CLIMATE ZONE: _3_____
PERMIT NO: _1_____
JURISDICTION NO:_221200_____

BUILDING TYPE: _Assembly_____
CONSTRUCTION CONDITION: New construction
DESIGN COMPLETION: _Finished Building_____
CONDITIONED FLOOR AREA: _3100_____ NUMBER OF ZONES: 1
MAX. TONNAGE OF EQUIPMENT PER SYSTEM: ____ 5_____

COMPLIANCE CALCULATION:

METHOD A	DESIGN	CRITERIA	RESULT
A. WHOLE BUILDING	46.84	100.00	PASSES
PRESCRIPTIVE REQUIREMENTS:			
LIGHTING			
EXTERIOR LIGHTING	400.00	2000.00	PASSES
LIGHTING CONTROL REQUIREMENTS			PASSES
HVAC EQUIPMENT			
COOLING EQUIPMENT			
1. SEER	11.85	10.00	PASSES
HEATING EQUIPMENT			
1. HSPF	8.50	6.80	PASSES
AIR DISTRIBUTION SYSTEM INSULATION REQUIREMENTS			
1. Unconditioned Space	6.00	4.20	PASSES
REHEAT SYSTEM TYPES USED			
NO REHEAT SYSTEM is USED			
WATER HEATING EQUIPMENT			
1. EF	0.90	0.88	PASSES
PIPING INSULATION REQUIREMENTS			
1. Non-Circulating	1.00	0.60	PASSES

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: Curtis Keen
DATE: 9/2/02

I hereby certify that this building is in compliance with the Florida Energy Efficiency Code.
OWNER/AGENT:_____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Efficiency Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, Florida Statutes.
BUILDING OFFICIAL:_____
DATE:_____

DATE: _____

I hereby certify(*) that the system design is in compliance with the Florida Energy Efficiency Code.

	SYSTEM DESIGNER	REGISTRATION/STATE
ARCHITECT :		
MECHANICAL:	Curtis Keen	PE# 23836 - FLORIDA
PLUMBING :	Curtis Keen	
ELECTRICAL:	Curtis Keen	
LIGHTING :	Curtis Keen	

(*) 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.

==========

BUILDING ENVELOPE SYSTEMS

COMPLIANCE CHECK

401.------GLAZING--ZONE 1----------

Elevation	Type	U	SC	VLT	Shading	Area(Sqft)
North	Commercial	0.92	.88	.89	None	60
East	Commercial	0.92	.88	.89	None	100
West	Commercial	0.92	.88	.89	None	100
		Total Glass Area in Zone 1 =				260
		Total Glass Area =				260

402.------WALLS--ZONE 1----------

Elevation	Type	U	Insul R	Gross(Sqft)
North	4"Brick/2x4@16"oc+R11Batt/1/2"Gy	0.078	11	400
East	4"Brick/2x4@16"oc+R11Batt/1/2"Gy	0.078	11	400
South	4"Brick/2x4@16"oc+R11Batt/1/2"Gy	0.078	11	80
East	4"Brick/2x4@16"oc+R11Batt/1/2"Gy	0.078	11	160
South	4"Brick/2x4@16"oc+R11Batt/1/2"Gy	0.078	11	240
West	4"Brick/2x4@16"oc+R11Batt/1/2"Gy	0.078	11	160
South	4"Brick/2x4@16"oc+R11Batt/1/2"Gy	0.078	11	80
West	4"Brick/2x4@16"oc+R11Batt/1/2"Gy	0.078	11	400
		Total Wall Area in Zone 1 =		1920
		Total Gross Wall Area =		1920

403.------DOORS--ZONE 1----------

Elevation	Type	U	Area(Sqft)
East	1.75 GLASS	0.7	40
South	1-3/4 Steel Door-Polyurethane core (24	0.20	80
West	1.75 GLASS	0.7	40
	Total Door Area in Zone 1 =		160
	Total Door Area =		160

404.------ROOFS--ZONE 1----------

Type	Color	U	Insul R	Area(Sqft)
Shngl/1/2"WD Deck/WD Truss/9" B	White	0.027	30	3100
Total Roof Area in Zone 1 =				3100
Total Roof Area =				3100

405.------FLOORS-ZONE 1----------

Type	Insul R	Area(Sqft)
Slab on Grade/Uninsulated	0	3100
Total Floor Area in Zone 1 =		3100
Total Floor Area =		3100

406.------INFILTRATION----------

	CHECK
Infiltration Criteria in 406.1.ABCD have been met.	

MECHANICAL SYSTEMS

	CHECK
HVAC load sizing has been performed. (407.1.ABCD)	

407.------COOLING SYSTEMS----------

	Type	No	Efficiency	IPLV	Tons
1.	Split System	1	11.85	0	5.25

408.------HEATING SYSTEMS----------

Type	No	Efficiency	BTU/hr

1. Split System		1	8.50	63000

409.------VENTILATION----------

	CHECK
Ventilation Criteria in 409.1.ABCD have been met.	

410.-----AIR DISTRIBUTION SYSTEM----------

	CHECK
Duct sizing and design have been performed. (410.1.ABCD)	

AHU Type	Duct Location	R-value
1. Air Source Heat Pump	Unconditioned Space	6

	CHECK
Testing and balancing will be performed. (410.1.ABCD)	

411.-----PUMPS AND PIPING-ZONE ----------

Basic prescriptive requirements in 411.1.ABCD have been met.	

PLUMBING SYSTEMS

411.-----PUMPS AND PIPING-ZONE 1----------

Type	R-value/in	Diameter	Thickness
1. Non-Circulating	6	.75	1

412.-----WATER HEATING SYSTEMS-ZONE 1----------

Type	Efficiency	StandbyLoss	InputRate	Gallons
1. <=12 kW	.90	0	20	40

ELECTRICAL SYSTEMS

413.-----ELECTRICAL POWER DISTRIBUTION----------

	CHECK
Metering criteria in 413.1.ABCD have been met.	

414.-----MOTORS----------

	CHECK
Motor efficiencies in 414.1.ABCD have been met.	

415.-----LIGHTING SYSTEMS-ZONE 1----------

Space Type	No	Control Type 1	No	Control Type 2	No	Watts	Area(Sqft)
Reading, T	1	On/Off	11			3072	3100
				Total Watts for Zone 1 =			3072
				Total Area for Zone 1 =			3100
				Total Watts =			3072
				Total Area =			3100

	CHECK
Lighting criteria in 415.1.ABCD have been met.	

16. Operation/maintenance manual will be provided to owner.(102.1)	

Whole Building Performance Method for Commercial Buildings Form 400A-97

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Florida Department of Community Affairs

FLA/COM-97 Version 2.2

PROJECT NAME: GATEWAY 2
ADDRESS: S.R. 247
LAKE CITY
OWNER: GATEWAY BAPTIST CHURCH
AGENT:

PERMITTING OFFICE: Lake City
CLIMATE ZONE: 3
PERMIT NO: 2
JURISDICTION NO: 221200

BUILDING TYPE: Assembly
CONSTRUCTION CONDITION: New construction
DESIGN COMPLETION: Finished Building
CONDITIONED FLOOR AREA: 1380 NUMBER OF ZONES: 1
MAX. TONNAGE OF EQUIPMENT PER SYSTEM: 4

COMPLIANCE CALCULATION:

METHOD A	DESIGN	CRITERIA	RESULT
A. WHOLE BUILDING	41.14	100.00	PASSES

PRESCRIPTIVE REQUIREMENTS:

LIGHTING			
LIGHTING CONTROL REQUIREMENTS			PASSES
HVAC EQUIPMENT			
COOLING EQUIPMENT			
1. SEER	11.80	10.00	PASSES
HEATING EQUIPMENT			
1. HSPF	7.85	6.80	PASSES
AIR DISTRIBUTION SYSTEM INSULATION REQUIREMENTS			
1. Unconditioned Space	6.00	4.20	PASSES
REHEAT SYSTEM TYPES USED			
NO REHEAT SYSTEM is USED			
WATER HEATING EQUIPMENT			
PIPING INSULATION REQUIREMENTS			

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: Curtis Fegr
DATE: 4/2/02

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 Efficiency Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, Florida Statutes.
BUILDING OFFICIAL:
DATE:

I hereby certify(*) that the system design is in compliance with the Florida

Energy Efficiency Code.

	SYSTEM DESIGNER	REGISTRATION/STATE
ARCHITECT :		
MECHANICAL:	Curtis Keen	PE#2386 - FLORIDA
PLUMBING :	Curtis Keen	
ELECTRICAL:	Curtis Keen	
LIGHTING :	Curtis Keen	

(*) 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.

==========

BUILDING ENVELOPE SYSTEMS

COMPLIANCE CHECK

401.------GLAZING--ZONE 1

Elevation	Type	U	SC	VLT	Shading	Area(Sqft)
Adjacent	Commercial	0.92	.88	.89	None	40
		Total Glass Area in Zone 1 =				40
		Total Glass Area =				40

402.------WALLS--ZONE 1

Elevation	Type	U	Insul R	Gross(Sqft)
North	1/2" OSB\STUDS 16"\DRYWALL	.080	11	240
East	1/2" OSB\STUDS 16"\DRYWALL	.080	11	368
South	1/2" OSB\STUDS 16"\DRYWALL	.080	11	240
West	1/2" OSB\STUDS 16"\DRYWALL	.080	11	368
	Total Wall Area in Zone 1 =			1216
	Total Gross Wall Area =			1216

403.------DOORS--ZONE 1

Elevation	Type	U	Area(Sqft)
South	1-3/4 Steel Door-Polyurethane core (24	0.20	40
	Total Door Area in Zone 1 =		40
	Total Door Area =		40

404.------ROOFS--ZONE 1

Type	Color	U	Insul R	Area(Sqft)
Shngl/1/2"WD Deck/WD Truss/9" B	White	0.027	30	1380
Total Roof Area in Zone 1 =				1380
Total Roof Area =				1380

405.------FLOORS-ZONE 1

Type	Insul R	Area(Sqft)
Floor over Conditioned Space/Insulated	30	1380
Total Floor Area in Zone 1 =		1380
Total Floor Area =		1380

406.------INFILTRATION — CHECK

Infiltration Criteria in 406.1.ABCD have been met.

MECHANICAL SYSTEMS

CHECK

HVAC load sizing has been performed. (407.1.ABCD)

407.------COOLING SYSTEMS

Type	No	Efficiency	IPLV	Tons
1. Split System	1	11.8	0	4.17

408.------HEATING SYSTEMS

Type	No	Efficiency	BTU/hr
1. Split System	1	7.85	47000

409.------VENTILATION — CHECK

Ventilation Criteria in 409.1.ABCD have been met.

410.-----AIR DISTRIBUTION SYSTEM — CHECK

Duct sizing and design have been performed. (410.1.ABCD)

	AHU Type	Duct Location	R-value
1.	Air Source Heat Pump	Unconditioned Space	6

Testing and balancing will be performed. (410.1.ABCD) — CHECK

411.-----PUMPS AND PIPING-ZONE

Basic prescriptive requirements in 411.1.ABCD have been met.

PLUMBING SYSTEMS

411.-----PUMPS AND PIPING-ZONE 1

Type	R-value/in	Diameter	Thickness

412.-----WATER HEATING SYSTEMS-ZONE 1

Type	Efficiency	StandbyLoss	InputRate	Gallons

ELECTRICAL SYSTEMS

413.-----ELECTRICAL POWER DISTRIBUTION — CHECK

Metering criteria in 413.1.ABCD have been met.

414.-----MOTORS

Motor efficiencies in 414.1.ABCD have been met.

415.-----LIGHTING SYSTEMS-ZONE 1

Space Type	No	Control Type 1	No	Control Type 2	No	Watts	Area(Sqft)
Conference	1	On/Off	3			768	1380

Total Watts for Zone 1 = 768
Total Area for Zone 1 = 1380
Total Watts = 768
Total Area = 1380

Lighting criteria in 415.1.ABCD have been met. — CHECK

16. Operation/maintenance manual will be provided to owner.(102.1)

Whole Building Performance Method for Commercial Buildings Form 400A-97

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Florida Department of Community Affairs

FLA/COM-97 Version 2.2

PROJECT NAME GATEWAY 3
ADDRESS: S.R. 247
LAKE CITY
OWNER: GATEWAY BAPTIST CHURCH
AGENT:

PERMITTING OFFICE: Lake City
CLIMATE ZONE: 3
PERMIT NO: 3
JURISDICTION NO: 221200

BUILDING TYPE: Assembly
CONSTRUCTION CONDITION: New construction
DESIGN COMPLETION: Finished Building
CONDITIONED FLOOR AREA: 12600 NUMBER OF ZONES: 1
MAX. TONNAGE OF EQUIPMENT PER SYSTEM: 5

COMPLIANCE CALCULATION:

METHOD A	DESIGN	CRITERIA	RESULT
A. WHOLE BUILDING	31.24	100.00	PASSES
PRESCRIPTIVE REQUIREMENTS:			
LIGHTING			
EXTERIOR LIGHTING	600.00	1050.00	PASSES
LIGHTING CONTROL REQUIREMENTS			PASSES
HVAC EQUIPMENT			
COOLING EQUIPMENT			
1. SEER	11.85	10.00	PASSES
HEATING EQUIPMENT			
1. HSPF	8.50	6.80	PASSES
AIR DISTRIBUTION SYSTEM INSULATION REQUIREMENTS			
1. Unconditioned Space	6.00	4.20	PASSES
REHEAT SYSTEM TYPES USED			
NO REHEAT SYSTEM is USED			
WATER HEATING EQUIPMENT			
1. EF	0.90	0.88	PASSES
PIPING INSULATION REQUIREMENTS			
1. Non-Circulating	1.00	0.60	PASSES

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: Curtis Keen
DATE: 9/2/02

I hereby certify that this building is in compliance with the Florida Energy Efficiency Code.
OWNER/AGENT:

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Efficiency Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, Florida Statutes.
BUILDING OFFICIAL:
DATE:

DATE: _____

I hereby certify(*) that the system design is in compliance with the Florida Energy Efficiency Code.

	SYSTEM DESIGNER	REGISTRATION/STATE
ARCHITECT :		
MECHANICAL:	Curtis Keen	PE# 23836 - FLORIDA
PLUMBING :	Curtis Keen	
ELECTRICAL:	Curtis Keen	
LIGHTING :	Curtis Keen	

(*) 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.

==========

BUILDING ENVELOPE SYSTEMS

COMPLIANCE CHECK

401.------GLAZING--ZONE 1

Elevation	Type	U	SC	VLT	Shading	Area(Sqft)
North	Commercial	0.92	.88	.89	None	240
South	Commercial	0.92	.88	.89	None	260
	Total Glass Area in Zone 1 =					500
	Total Glass Area =					500

402.------WALLS--ZONE 1

Elevation	Type	U	Insul R	Gross(Sqft)
North	Mtl Bldg wall/R-11 Batt	.084	11	1890
East	Mtl Bldg wall/R-11 Batt	.084	11	540
South	Mtl Bldg wall/R-11 Batt	.084	11	1890
West	Mtl Bldg wall/R-11 Batt	.084	11	540
	Total Wall Area in Zone 1 =			4860
	Total Gross Wall Area =			4860

403.------DOORS--ZONE 1

Elevation	Type	U	Area(Sqft)
North	1-3/4 Steel Door-Paper Honeycomb core	0.56	160
South	1-3/4 Steel Door-Paper Honeycomb core	0.56	80
West	1-3/4 Steel Door-Paper Honeycomb core	0.56	40
	Total Door Area in Zone 1 =		280
	Total Door Area =		280

404.------ROOFS--ZONE 1

Type	Color	U	Insul R	Area(Sqft)
MTL BLDG ROOF/R-30 BATT	White	.025	30	12600
	Total Roof Area in Zone 1 =			12600
	Total Roof Area =			12600

405.------FLOORS-ZONE 1

Type	Insul R	Area(Sqft)
Slab on Grade/Uninsulated	0	12600
Total Floor Area in Zone 1 =		12600
Total Floor Area =		12600

406.------INFILTRATION

CHECK

Infiltration Criteria in 406.1.ABCD have been met.

MECHANICAL SYSTEMS

CHECK

HVAC load sizing has been performed. (407.1.ABCD)

407.------COOLING SYSTEMS

Type	No	Efficiency	IPLV	Tons
1. Split System	4	11.85	0	5.25

408.------HEATING SYSTEMS

Type	No	Efficiency	BTU/hr
1. Split System	4	8.50	63000

409.------VENTILATION

CHECK

Ventilation Criteria in 409.1.ABCD have been met.

410.-----AIR DISTRIBUTION SYSTEM----------

		CHECK
Duct sizing and design have been performed. (410.1.ABCD)		
AHU Type	Duct Location	R-value
1. Air Source Heat Pump	Unconditioned Space	6
Testing and balancing will be performed. (410.1.ABCD)		CHECK

411.-----PUMPS AND PIPING-ZONE ----------

Basic prescriptive requirements in 411.1.ABCD have been met.

PLUMBING SYSTEMS

411.-----PUMPS AND PIPING-ZONE 1----------

Type	R-value/in	Diameter	Thickness
1. Non-Circulating	6	.75	1

412.-----WATER HEATING SYSTEMS-ZONE 1----------

Type	Efficiency	StandbyLoss	InputRate	Gallons
1. <=12 kW	.90	0	20	40

ELECTRICAL SYSTEMS

413.-----ELECTRICAL POWER DISTRIBUTION---------- CHECK

Metering criteria in 413.1.ABCD have been met.

414.-----MOTORS---------- CHECK

Motor efficiencies in 414.1.ABCD have been met.

415.-----LIGHTING SYSTEMS-ZONE 1----------

Space Type	No	Control Type 1	No	Control Type 2	No	Watts	Area(Sqft)
Worship/Co	1	On/Off	23			11200	12600
				Total Watts for Zone 1 =			11200
				Total Area for Zone 1 =			12600
				Total Watts =			11200
				Total Area =			12600

Lighting criteria in 415.1.ABCD have been met. CHECK

16. Operation/maintenance manual will be provided to owner.(102.1)

Whole Building Performance Method for Commercial Buildings Form 400A-97

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Florida Department of Community Affairs

FLA/COM-97 Version 2.2

PROJECT NAME GATEWAY 4
ADDRESS: S.R. 247
LAKE CITY
OWNER: GATEWAY BAPTIST CHURCH
AGENT:

PERMITTING OFFICE:
Lake City
CLIMATE ZONE: 3
PERMIT NO: 4
JURISDICTION NO: 221200

BUILDING TYPE: Assembly
CONSTRUCTION CONDITION: New construction
DESIGN COMPLETION: Finished Building
CONDITIONED FLOOR AREA: 3900 NUMBER OF ZONES: 1
MAX. TONNAGE OF EQUIPMENT PER SYSTEM: 5

COMPLIANCE CALCULATION:

METHOD A	DESIGN	CRITERIA	RESULT
A. WHOLE BUILDING	39.82	100.00	PASSES

PRESCRIPTIVE REQUIREMENTS:

LIGHTING			
LIGHTING CONTROL REQUIREMENTS			PASSES
HVAC EQUIPMENT			
COOLING EQUIPMENT			
1. SEER	11.85	10.00	PASSES
HEATING EQUIPMENT			
1. HSPF	8.50	6.80	PASSES
AIR DISTRIBUTION SYSTEM INSULATION REQUIREMENTS			
1. Unconditioned Space	6.00	4.20	PASSES
REHEAT SYSTEM TYPES USED			
NO REHEAT SYSTEM is USED			
WATER HEATING EQUIPMENT			
1. EF	0.90	0.88	PASSES
PIPING INSULATION REQUIREMENTS			
1. Non-Circulating	1.00	0.60	PASSES

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: Curtis Keen
DATE: 9/2/02

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 Efficiency Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, Florida Statutes.
BUILDING OFFICIAL:
DATE:

I hereby certify(*) that the system design is in compliance with the Florida Energy Efficiency Code.

	SYSTEM DESIGNER	REGISTRATION/STATE
ARCHITECT :		
MECHANICAL:	Curtis Keen	PE#23836 - FLORIDA
PLUMBING :	Curtis Keen	" "
ELECTRICAL:	Curtis Keen	" "
LIGHTING :	Curtis Keen	" "

(*) 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.

==========

BUILDING ENVELOPE SYSTEMS

COMPLIANCE CHECK

401.------GLAZING--ZONE 1

Elevation	Type	U	SC	VLT	Shading	Area(Sqft)
North	Commercial	0.92	.88	.89	None	64
South	Commercial	0.92	.88	.89	None	32
	Total Glass Area in Zone 1 =					96
	Total Glass Area =					96

402.------WALLS--ZONE 1

Elevation	Type	U	Insul R	Gross(Sqft)
North	Mtl Bldg wall/R-11 Batt	.084	11	520
East	Mtl Bldg wall/R-11 Batt	.084	11	480
South	Mtl Bldg wall/R-11 Batt	.084	11	520
West	Mtl Bldg wall/R-11 Batt	.084	11	480
	Total Wall Area in Zone 1 =			2000
	Total Gross Wall Area =			2000

403.------DOORS--ZONE 1

Elevation	Type	U	Area(Sqft)
North	1-3/4 Steel Door-Polyurethane core (24	0.20	40
West	1-3/4 Steel Door-Polyurethane core (24	0.20	40
	Total Door Area in Zone 1 =		80
	Total Door Area =		80

404.------ROOFS--ZONE 1

Type	Color	U	Insul R	Area(Sqft)
MTL BLDG ROOF/R-30 BATT	White	.025	30	3900
	Total Roof Area in Zone 1 =			3900
	Total Roof Area =			3900

405.------FLOORS-ZONE 1

Type	Insul R	Area(Sqft)
Floor over Conditioned Space/Insulated	19	3900
Total Floor Area in Zone 1 =		3900
Total Floor Area =		3900

406.------INFILTRATION — CHECK

Infiltration Criteria in 406.1.ABCD have been met.

MECHANICAL SYSTEMS

CHECK

HVAC load sizing has been performed. (407.1.ABCD)

407.------COOLING SYSTEMS

Type	No	Efficiency	IPLV	Tons
1. Split System	1	11.85	0	5.25

408.------HEATING SYSTEMS

Type	No	Efficiency	BTU/hr
1. Split System	1	8.50	63000

409.------VENTILATION — CHECK

Ventilation Criteria in 409.1.ABCD have been met.

410.-----AIR DISTRIBUTION SYSTEM

		CHECK
Duct sizing and design have been performed. (410.1.ABCD)		

AHU Type	Duct Location	R-value
1. Air Source Heat Pump	Unconditioned Space	6

	CHECK
Testing and balancing will be performed. (410.1.ABCD)	
411.-----PUMPS AND PIPING-ZONE ----------	
Basic prescriptive requirements in 411.1.ABCD have been met.	

PLUMBING SYSTEMS

411.-----PUMPS AND PIPING-ZONE 1----------

Type	R-value/in	Diameter	Thickness
1. Non-Circulating	6	.75	1

412.-----WATER HEATING SYSTEMS-ZONE 1----------

Type	Efficiency	StandbyLoss	InputRate	Gallons
1. <=12 kW	.90	0	20	40

ELECTRICAL SYSTEMS

	CHECK
413.-----ELECTRICAL POWER DISTRIBUTION----------	
Metering criteria in 413.1.ABCD have been met.	
414.-----MOTORS----------	
Motor efficiencies in 414.1.ABCD have been met.	

415.-----LIGHTING SYSTEMS-ZONE 1----------

Space Type	No	Control Type 1	No	Control Type 2	No	Watts	Area(Sqft)
Worship/Co	1	On/Off	14			3264	3900
				Total Watts for Zone 1 =			3264
				Total Area for Zone 1 =			3900
				Total Watts =			3264
				Total Area =			3900

	CHECK
Lighting criteria in 415.1.ABCD have been met.	
16. Operation/maintenance manual will be provided to owner.(102.1)	

Whole Building Performance Method for Commercial Buildings Form 400A-97

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Florida Department of Community Affairs

FLA/COM-97 Version 2.2

PROJECT NAME: GATEWAY 2
ADDRESS: S.R. 247
LAKE CITY
OWNER: GATEWAY BAPTIST CHURCH
AGENT:

PERMITTING OFFICE: Lake City
CLIMATE ZONE: 3
PERMIT NO: 2
JURISDICTION NO: 221200

BUILDING TYPE: Assembly
CONSTRUCTION CONDITION: New construction
DESIGN COMPLETION: Finished Building
CONDITIONED FLOOR AREA: 1380 NUMBER OF ZONES: 1
MAX. TONNAGE OF EQUIPMENT PER SYSTEM: 4

COMPLIANCE CALCULATION:

METHOD A	DESIGN	CRITERIA	RESULT
A. WHOLE BUILDING	41.14	100.00	PASSES

PRESCRIPTIVE REQUIREMENTS:

LIGHTING			
LIGHTING CONTROL REQUIREMENTS			PASSES
HVAC EQUIPMENT			
COOLING EQUIPMENT			
1. SEER	11.80	10.00	PASSES
HEATING EQUIPMENT			
1. HSPF	7.85	6.80	PASSES
AIR DISTRIBUTION SYSTEM INSULATION REQUIREMENTS			
1. Unconditioned Space	6.00	4.20	PASSES
REHEAT SYSTEM TYPES USED			
NO REHEAT SYSTEM is USED			
WATER HEATING EQUIPMENT			
PIPING INSULATION REQUIREMENTS			

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: Curtis Kelly
DATE: 9/2/02

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 Efficiency Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, Florida Statutes.
BUILDING OFFICIAL:
DATE:

I hereby certify(*) that the system design is in compliance with the Florida

Energy Efficiency Code.

	SYSTEM DESIGNER	REGISTRATION/STATE
ARCHITECT :		
MECHANICAL:	Curtis Keen	PE#2386 - FLORIDA
PLUMBING :	Curtis Keen	
ELECTRICAL:	Curtis Keen	
LIGHTING :	Curtis Keen	

(*) 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.

==========

BUILDING ENVELOPE SYSTEMS

COMPLIANCE CHECK

401.------GLAZING--ZONE 1

Elevation	Type	U	SC	VLT	Shading	Area(Sqft)
Adjacent	Commercial	0.92	.88	.89	None	40
		Total Glass Area in Zone 1 =				40
		Total Glass Area =				40

402.------WALLS--ZONE 1

Elevation	Type	U	Insul R	Gross(Sqft)
North	1/2" OSB\STUDS 16"\DRYWALL	.080	11	240
East	1/2" OSB\STUDS 16"\DRYWALL	.080	11	368
South	1/2" OSB\STUDS 16"\DRYWALL	.080	11	240
West	1/2" OSB\STUDS 16"\DRYWALL	.080	11	368
	Total Wall Area in Zone 1 =			1216
	Total Gross Wall Area =			1216

403.------DOORS--ZONE 1

Elevation	Type	U	Area(Sqft)
South	1-3/4 Steel Door-Polyurethane core (24	0.20	40
	Total Door Area in Zone 1 =		40
	Total Door Area =		40

404.------ROOFS--ZONE 1

Type	Color	U	Insul R	Area(Sqft)
Shngl/1/2"WD Deck/WD Truss/9" B	White	0.027	30	1380
Total Roof Area in Zone 1 =				1380
Total Roof Area =				1380

405.------FLOORS-ZONE 1

Type	Insul R	Area(Sqft)
Floor over Conditioned Space/Insulated	30	1380
Total Floor Area in Zone 1 =		1380
Total Floor Area =		1380

406.------INFILTRATION — CHECK

Infiltration Criteria in 406.1.ABCD have been met.

MECHANICAL SYSTEMS

CHECK

HVAC load sizing has been performed. (407.1.ABCD)

407.------COOLING SYSTEMS

Type	No	Efficiency	IPLV	Tons
1. Split System	1	11.8	0	4.17

408.------HEATING SYSTEMS

Type	No	Efficiency	BTU/hr
1. Split System	1	7.85	47000

409.------VENTILATION — CHECK

Ventilation Criteria in 409.1.ABCD have been met.

410.-----AIR DISTRIBUTION SYSTEM — CHECK

Duct sizing and design have been performed. (410.1.ABCD)

	AHU Type	Duct Location	R-value
1.	Air Source Heat Pump	Unconditioned Space	6

CHECK

Testing and balancing will be performed. (410.1.ABCD)

411.-----PUMPS AND PIPING-ZONE ----------

Basic prescriptive requirements in 411.1.ABCD have been met.

PLUMBING SYSTEMS

411.-----PUMPS AND PIPING-ZONE 1----------

Type	R-value/in	Diameter	Thickness

412.-----WATER HEATING SYSTEMS-ZONE 1----------

Type	Efficiency	StandbyLoss	InputRate	Gallons

ELECTRICAL SYSTEMS

CHECK

413.-----ELECTRICAL POWER DISTRIBUTION----------

Metering criteria in 413.1.ABCD have been met.

414.-----MOTORS----------

Motor efficiencies in 414.1.ABCD have been met.

415.-----LIGHTING SYSTEMS-ZONE 1----------

Space Type	No	Control Type 1	No	Control Type 2	No	Watts	Area(Sqft)
Conference	1	On/Off	3			768	1380
				Total Watts for Zone 1 =			768
				Total Area for Zone 1 =			1380
				Total Watts =			768
				Total Area =			1380

CHECK

Lighting criteria in 415.1.ABCD have been met.

16. Operation/maintenance manual will be provided to owner.(102.1)

Whole Building Performance Method for Commercial Buildings Form 400A-97

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Florida Department of Community Affairs

FLA/COM-97 Version 2.2

PROJECT NAME: GATEWAY 3
ADDRESS: S.R. 247
LAKE CITY
OWNER: GATEWAY BAPTIST CHURCH
AGENT:

PERMITTING OFFICE: Lake City
CLIMATE ZONE: 3
PERMIT NO: 3
JURISDICTION NO: 221200

BUILDING TYPE: Assembly
CONSTRUCTION CONDITION: New construction
DESIGN COMPLETION: Finished Building
CONDITIONED FLOOR AREA: 12600 NUMBER OF ZONES: 1
MAX. TONNAGE OF EQUIPMENT PER SYSTEM: 5

COMPLIANCE CALCULATION:

METHOD A	DESIGN	CRITERIA	RESULT
A. WHOLE BUILDING	31.24	100.00	PASSES
PRESCRIPTIVE REQUIREMENTS:			
LIGHTING			
EXTERIOR LIGHTING	600.00	1050.00	PASSES
LIGHTING CONTROL REQUIREMENTS			PASSES
HVAC EQUIPMENT			
COOLING EQUIPMENT			
1. SEER	11.85	10.00	PASSES
HEATING EQUIPMENT			
1. HSPF	8.50	6.80	PASSES
AIR DISTRIBUTION SYSTEM INSULATION REQUIREMENTS			
1. Unconditioned Space	6.00	4.20	PASSES
REHEAT SYSTEM TYPES USED			
NO REHEAT SYSTEM is USED			
WATER HEATING EQUIPMENT			
1. EF	0.90	0.88	PASSES
PIPING INSULATION REQUIREMENTS			
1. Non-Circulating	1.00	0.60	PASSES

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: Curtis Keen
DATE: 9/2/02

I hereby certify that this building is in compliance with the Florida Energy Efficiency Code.
OWNER/AGENT: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Efficiency Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, Florida Statutes.
BUILDING OFFICIAL: _____
DATE: _____

DATE: _____

I hereby certify(*) that the system design is in compliance with the Florida Energy Efficiency Code.

	SYSTEM DESIGNER	REGISTRATION/STATE
ARCHITECT :		
MECHANICAL:	Curtis Keen	PE# 23836 - FLORIDA
PLUMBING :	Curtis Keen	
ELECTRICAL:	Curtis Keen	
LIGHTING :	Curtis Keen	

(*) 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.

==========

BUILDING ENVELOPE SYSTEMS

COMPLIANCE CHECK

401.------GLAZING--ZONE 1

Elevation	Type	U	SC	VLT	Shading	Area(Sqft)
North	Commercial	0.92	.88	.89	None	240
South	Commercial	0.92	.88	.89	None	260
	Total Glass Area in Zone 1 =					500
	Total Glass Area =					500

402.------WALLS--ZONE 1

Elevation	Type	U	Insul R	Gross(Sqft)
North	Mtl Bldg wall/R-11 Batt	.084	11	1890
East	Mtl Bldg wall/R-11 Batt	.084	11	540
South	Mtl Bldg wall/R-11 Batt	.084	11	1890
West	Mtl Bldg wall/R-11 Batt	.084	11	540
	Total Wall Area in Zone 1 =			4860
	Total Gross Wall Area =			4860

403.------DOORS--ZONE 1

Elevation	Type	U	Area(Sqft)
North	1-3/4 Steel Door-Paper Honeycomb core	0.56	160
South	1-3/4 Steel Door-Paper Honeycomb core	0.56	80
West	1-3/4 Steel Door-Paper Honeycomb core	0.56	40
	Total Door Area in Zone 1 =		280
	Total Door Area =		280

404.------ROOFS--ZONE 1

Type	Color	U	Insul R	Area(Sqft)
MTL BLDG ROOF/R-30 BATT	White	.025	30	12600
	Total Roof Area in Zone 1 =			12600
	Total Roof Area =			12600

405.------FLOORS-ZONE 1

Type	Insul R	Area(Sqft)
Slab on Grade/Uninsulated	0	12600
Total Floor Area in Zone 1 =		12600
Total Floor Area =		12600

406.------INFILTRATION

CHECK

Infiltration Criteria in 406.1.ABCD have been met.

MECHANICAL SYSTEMS

CHECK

HVAC load sizing has been performed. (407.1.ABCD)

407.------COOLING SYSTEMS

Type	No	Efficiency	IPLV	Tons
1. Split System	4	11.85	0	5.25

408.------HEATING SYSTEMS

Type	No	Efficiency	BTU/hr
1. Split System	4	8.50	63000

409.------VENTILATION

CHECK

Ventilation Criteria in 409.1.ABCD have been met.

410.-----AIR DISTRIBUTION SYSTEM----------

		CHECK
Duct sizing and design have been performed. (410.1.ABCD)		
AHU Type	Duct Location	R-value
1. Air Source Heat Pump	Unconditioned Space	6
Testing and balancing will be performed. (410.1.ABCD)		CHECK

411.-----PUMPS AND PIPING-ZONE ----------

Basic prescriptive requirements in 411.1.ABCD have been met.

PLUMBING SYSTEMS

411.-----PUMPS AND PIPING-ZONE 1----------

Type	R-value/in	Diameter	Thickness
1. Non-Circulating	6	.75	1

412.-----WATER HEATING SYSTEMS-ZONE 1----------

Type	Efficiency	StandbyLoss	InputRate	Gallons
1. <=12 kW	.90	0	20	40

ELECTRICAL SYSTEMS

413.-----ELECTRICAL POWER DISTRIBUTION---------- CHECK

Metering criteria in 413.1.ABCD have been met.

414.-----MOTORS---------- CHECK

Motor efficiencies in 414.1.ABCD have been met.

415.-----LIGHTING SYSTEMS-ZONE 1----------

Space Type	No	Control Type 1	No	Control Type 2	No	Watts	Area(Sqft)
Worship/Co	1	On/Off	23			11200	12600
				Total Watts for Zone 1 =			11200
				Total Area for Zone 1 =			12600
				Total Watts =			11200
				Total Area =			12600

Lighting criteria in 415.1.ABCD have been met. CHECK

16. Operation/maintenance manual will be provided to owner.(102.1) CHECK

WIND98 v3-02

Wind Load Design per ASCE 7-98

Description: GATEWAY BAPTIST CHURCH
Analysis by: Curtis Keen

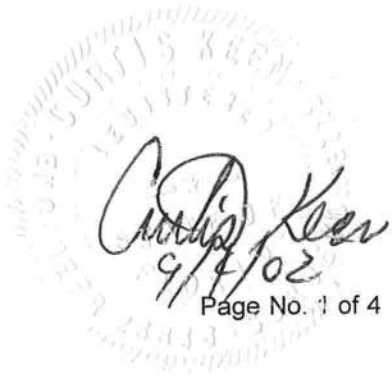
User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	b	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	30	Deg
Type of Roof	Hipped	
Kd (Directonality Factor)	1	
Eave Height (Eht)	12.00	ft
Ridge Height (RHt)	26.58	ft
Mean Roof Height (Ht)	19.29	ft
Width Perp. To Wind Dir (B)	50.00	ft
Width Paral. To Wind Dir (L)	50.00	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters		
Type of Structure		
Height/Least Horizontal Dim	0.39	
Flexible Structure	No	

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((Min(B,L)+Ht)/Lzm)^0.63))^0.5	0.8962	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8637	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	



WIND98 v3-02

Wind Load Design per ASCE 7-98

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev	Kz	Kzt	qz	Pressure (lb/ft^2)	
				Windward Wall*	
ft			lb/ft^2	+GCpi	-GCpi
26.58	0.68	1.00	20.96	10.81	17.70
20	0.62	1.00	19.33	9.70	16.59
19.29	0.62	1.00	19.13	9.56	16.45
15	0.57	1.00	17.80	8.66	15.55

Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

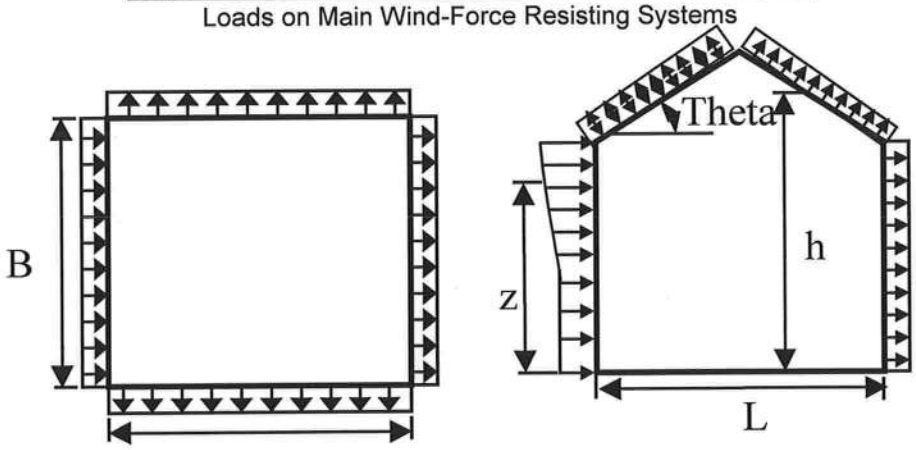
Curtis Keen 9/4/02

WIND98 v3-02

Wind Load Design per ASCE 7-98

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(Ht/zg)^(2/Alpha)	0.62	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	19.13	psf
Khcc	Comp & Clad: Table 6-5 Case 2	0.62	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	19.13	psf

Wall Pressure Coefficients, Cp	
Surface	**Cp**
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Calculations for Wind Normal to 50 ft Face *Additional Runs may be req'd for other wind directions*	**Cp**	**Pressure (psf)** **+GCpi**	**-GCpi**
Leeward Walls (Wind Dir Normal to 50 ft wall)	-0.50	-11.57	-4.69
Side Walls	-0.70	-14.83	-7.94
Roof - Wind Normal to Ridge (Theta>=10) - for Wind Normal to 50 ft face			
Windward - Max Negative	-0.20	-6.70	0.19
Windward - Max Positive	0.25	0.55	7.44
Leeward Normal to Ridge	-0.60	-13.20	-6.31
Overhang Top (Windward)	-0.20	-3.25	-3.25
Overhang Top (Leeward)	-0.60	-9.76	-9.76
Overhang Bottom (Applicable on Windward only)	0.80	12.11	12.11
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 50 ft face			
Dist from Windward Edge: 0 ft to 9.645 ft	-0.90	-18.08	-11.19
Dist from Windward Edge: 9.645 ft to 19.29 ft	-0.90	-18.08	-11.19
Dist from Windward Edge: 19.29 ft to 38.58 ft	-0.50	-11.57	-4.69
Dist from Windward Edge: > 38.58 ft	-0.30	-8.32	-1.43

* Horizontal distance from windward edge

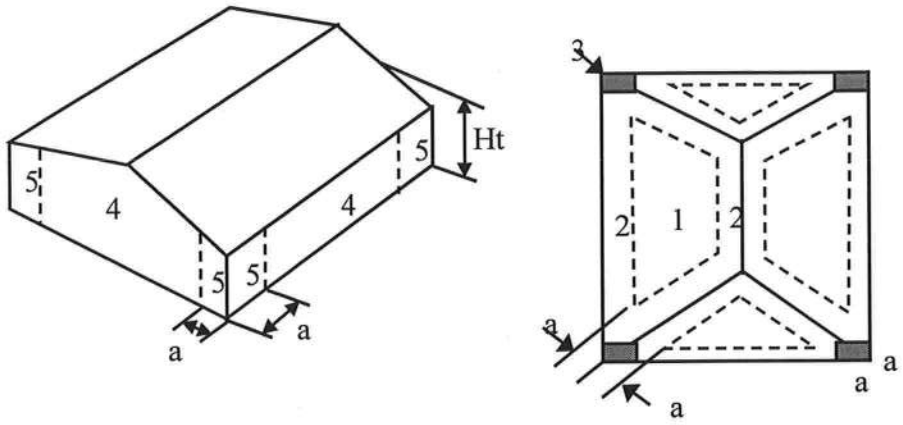
Curtis Keen 9/4/02

WIND98 v3-02

Wind Load Design per ASCE 7-98

Figure 6-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft



Hipped Roof

10 < Theta <= 30

a = 5 ==> 5.00 ft

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2	
					Max	Min	Max	Min
overhang	2	1	2.00	3	0.50	-2.10	13.01	-43.61
overhang length	2	50	833.33	2	0.30	-1.40	10.00	-30.22
corners	3	10	33.33	5	0.91	-1.22	20.81	-26.69
wall length	31.5	10	315.00	4	0.74	-0.84	17.51	-19.42
roof interior	16	8	128.00	1	0.30	-0.80	10.00	-18.75
			0.00					

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Curtis D. Keen 9/4/02

DESIGN CRITERIA

BUILDING DESIGNATION	NONE		
BUILDING CODE	FBC 2001		
CLASSIFICATION	ENCLOSED		
		IMPORTANCE FACTOR I	
LIVE LOAD	12.0 PSF	N/A	FRAMES
LIVE LOAD	20.0 PSF	N/A	SECONDARY
SNOW LOAD	0.0 PSF	1.0 I_s	
WIND LOAD	110.0 MPH	1.0 I_w	
EXPOSURE	B	N/A	
SEISMIC	N/A	1.0 I_E	RESPONSE(Ss)
DEAD LOAD	2.0 PSF	N/A	
COLLATERAL LOAD	0.0 PSF	N/A	

SPECIAL LOADINGS : NONE

FOUNDATION DESIGN :
STEEL BUILDING SYSTEMS, INC. IS NOT RESPONSIBLE FOR THE DESIGN, MATERIALS, AND WORKMANSHIP OF THE FOUNDATION. ANCHOR BOLT PLANS PREPARED BY "SBS" ARE INTENDED TO SHOW ONLY LOCATION, SIZE, AND PROJECTION OF ANCHOR BOLTS. "SBS" IS RESPOSIBLE FOR PROVIDING THE LOADS IMPOSED BY BY THE BUILDING(S) ON THE FOUNDATION. IT IS THE RESPONSIBILTY OF THE CUSTOMER TO ENSURE THAT ADEQUATE PROVISIONS ARE MADE FOR FOUNDATION DESIGN.

STRUCTURAL STAMP

8/15/02

REVISIONS
[1]
[2]
[3]

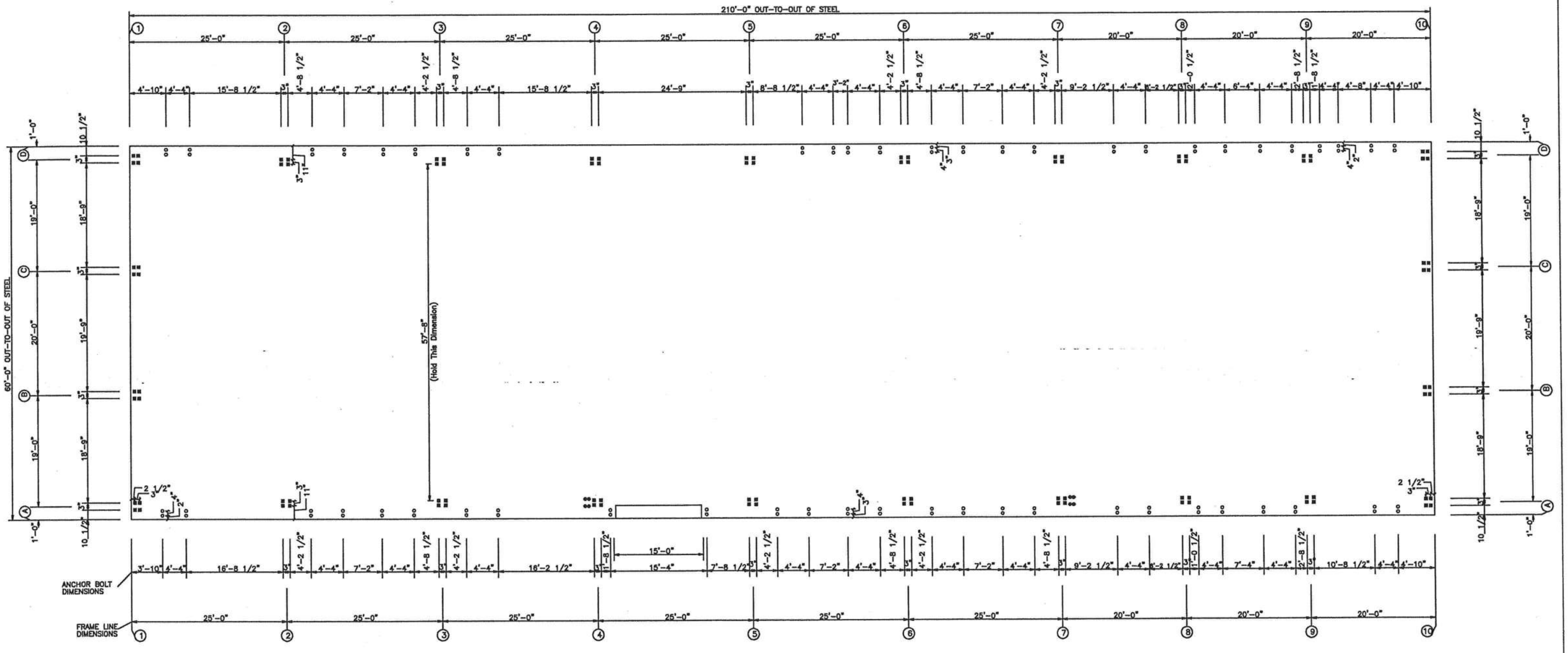
FOR:
GATEWAY BAPTIST CHURCH
C/O MIKE TODD CONSTRUCTION
135 NORTH COLBURN STREET
LAKE CITY, FLORIDA 32055
LOCATION: LAKE CITY, FLORIDA

FROM:

STEEL BUILDING SYSTEMS, INC.
200 STEVENS LANE - P.O. BOX 447
ADEL ,GEORGIA 31620
PH(229)896-7428 FAX(229)896-2881

JOB NO : 02-01-020
DATE : 08-06-2002
BY : CFR
SCALE : NONE
TITLE : DESIGN
NUMBER : 1 OF 11

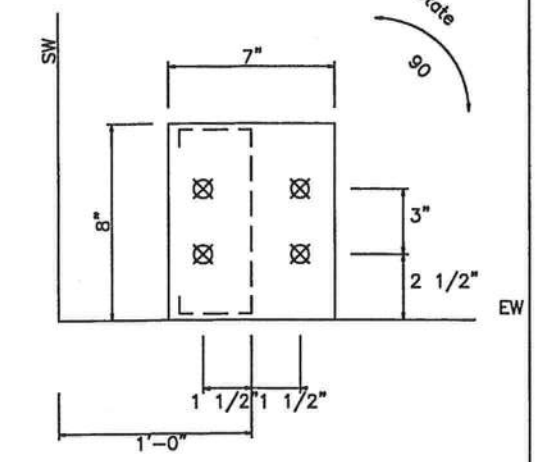
○ Dia= 5/8"
⊠ Dia= 3/4"
⊕ Dia=1"



ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (U.N.)

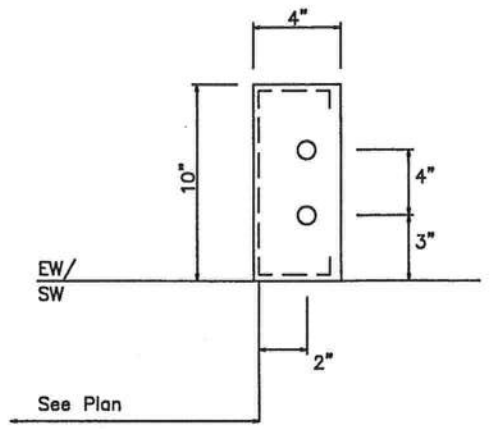
STEEL BUILDING SYSTEM		GATEWAY BAPTIST CHURC		
PROJECT	02-01-020	ANCHOR BOLT PLAN		
ID	02-01-020	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	LOCATION: LAKE CITY, FL	DATE:	SHEET	OF

Dia= 3/4"



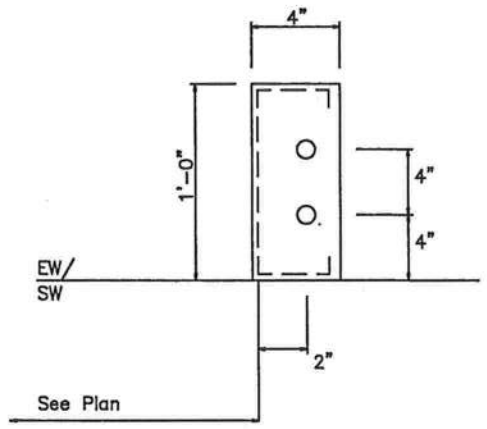
DETAIL A

Dia= 5/8"



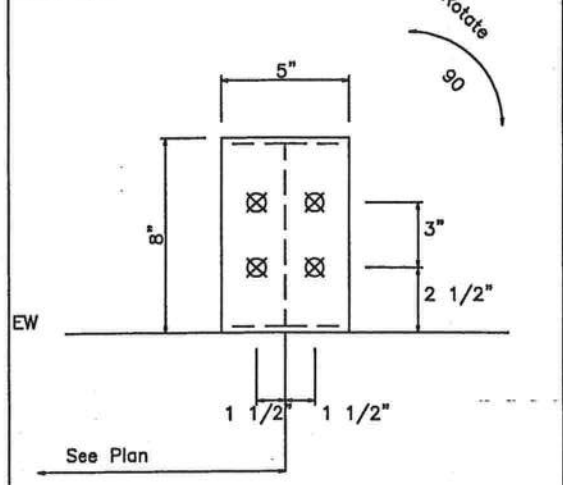
DETAIL D

Dia= 5/8"



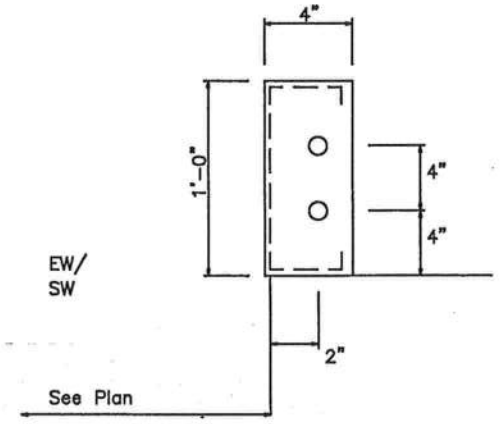
DETAIL G

Dia= 3/4"



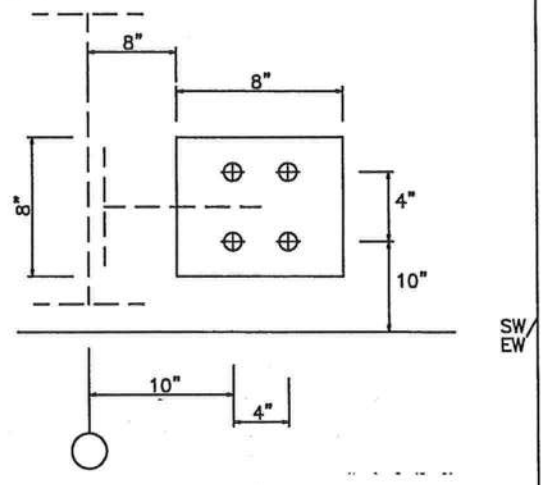
DETAIL B

Dia= 5/8"



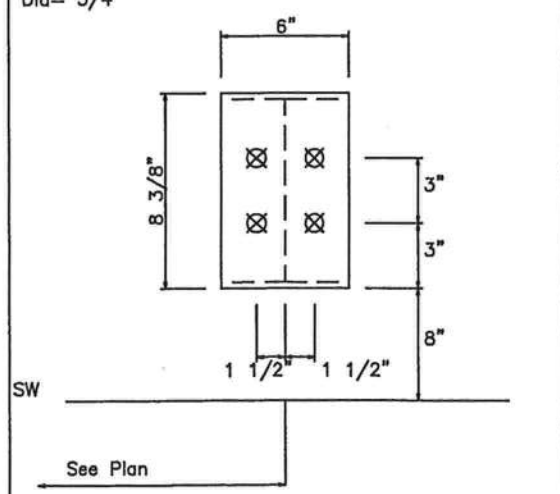
DETAIL E

Dia=1"



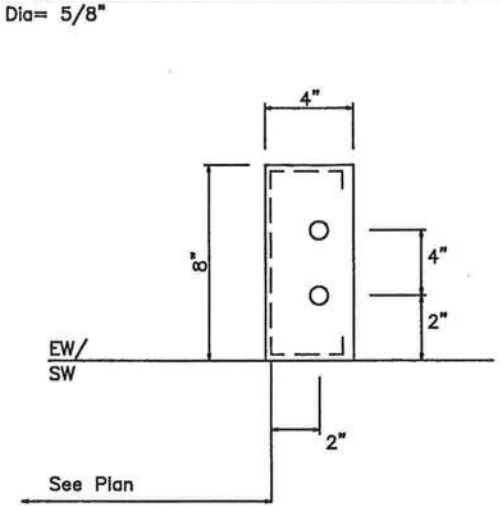
DETAIL H

Dia= 3/4"



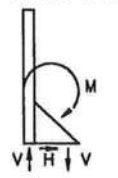
DETAIL C

Dia= 5/8"



DETAIL F

WIND COLUMN REACTIONS

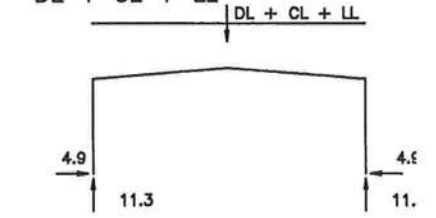


Loc	Wall Line	Col Line	R/L	Load_Id	± Reactions Horz (k)	Vert (k)	Moment (f-k)	Anc_Bolt No	Dia	Base_Plate(in) Width	Length	Thick
F_SW	A	4	L	Wind	2.44	48.83	48.83	4	1.000	8.00	8.00	0.75
				Seismic	0.00	0.00	0.00					
F_SW	A	7	R	Wind	2.44	48.83	48.83	4	1.000	8.00	8.00	0.75
				Seismic	0.00	0.00	0.00					

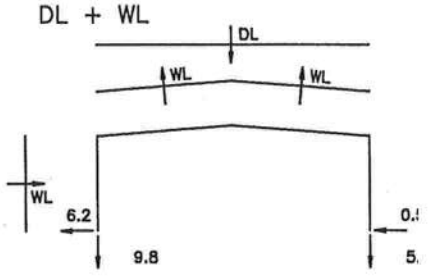
RIGID FRAME REACTIONS (k)

@2 3 4 5 6 7 8 9

DL + CL + LL



DL + WL



ENDWALL COLUMN REACTIONS(k)

MAXIMUM VERTICAL DL+CO+LL = 5.4
MAXIMUM VERTICAL DL+WL = -4.2
MAXIMUM HORIZONTAL DL+WL = 3.9

BRACING REACTIONS, PANEL SHEAR

Loc	Wall Line	Col Line	± Reactions (k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft)
L_EW	1						3
F_SW	A	Wind Column In Wall					
R_EW	10						2
B_SW	D	5,4	4.9	4.0	0.0	0.0	

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	60.0
Length (ft)	=	210.0
Eave Height (ft)	=	22.0/22.0
Roof Slope (rise/12)	=	1.0/1.0
Dead Load (psf)	=	2.0
Collateral Load (psf)	=	0.0
Roof Live Load (psf)	=	20.0
Frame Live Load (psf)	=	12.0
Wind Speed (mph)	=	110.0
Wind Code	=	FBC 01
Exposure	=	B
Closed/Open	=	C
Importance - Wind	=	1.00
Importance - Seismic	=	1.00

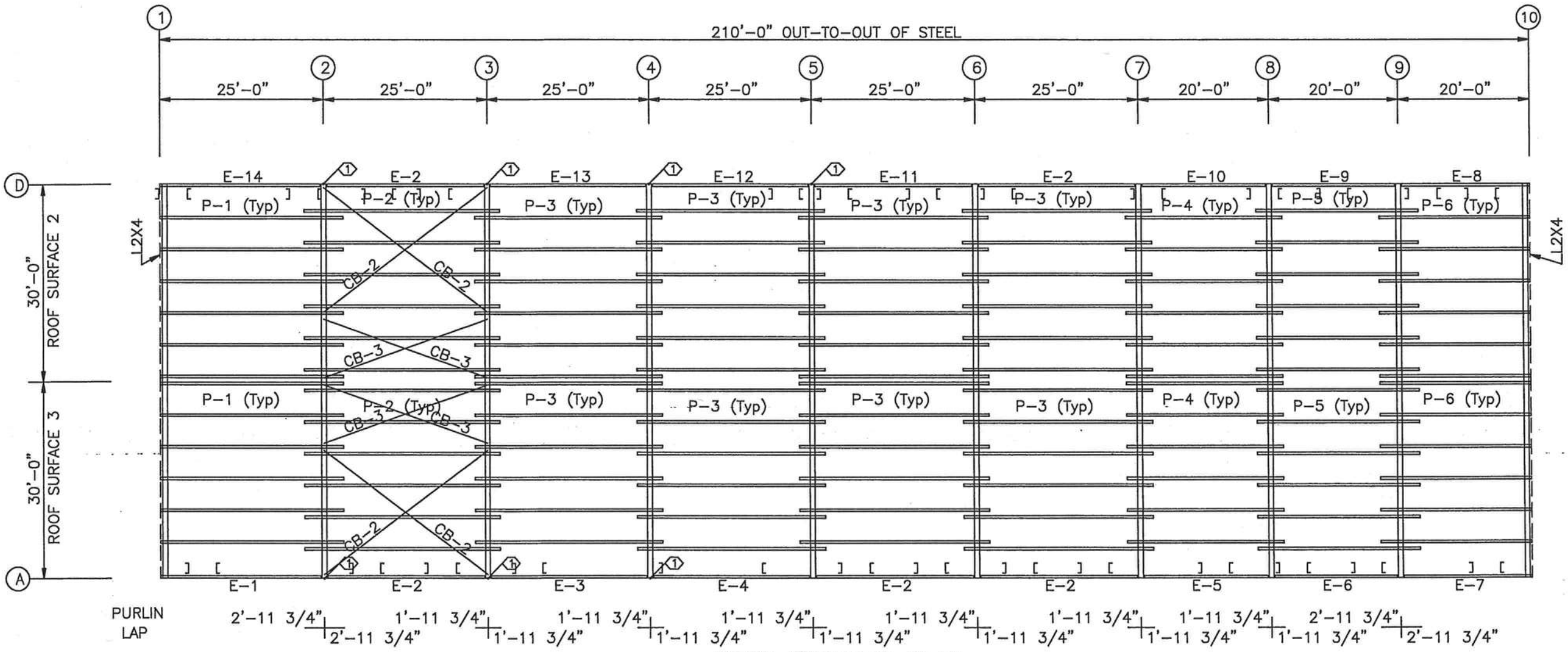
ANCHOR BOLT SUMMARY

Qnt	Loc	Dia (in)	Proj (in)
O 104	DJ	5/8"	1.50
⊠ 32	EW	3/4"	2.50
⊠ 64	RF	3/4"	2.50
⊕ 8	WF	1"	3.00

STEEL BUILDING SYSTEM		GATEWAY BAPTIST CHU	
PROJECT	02-01-020	ANCHOR BOLT PLAN	
ID	02-01-020	DESIGN:	DRAFT: CHECK
PROJECT ADDRESS	LOCATION: LAKE CITY, FL	DATE:	SHEET OF

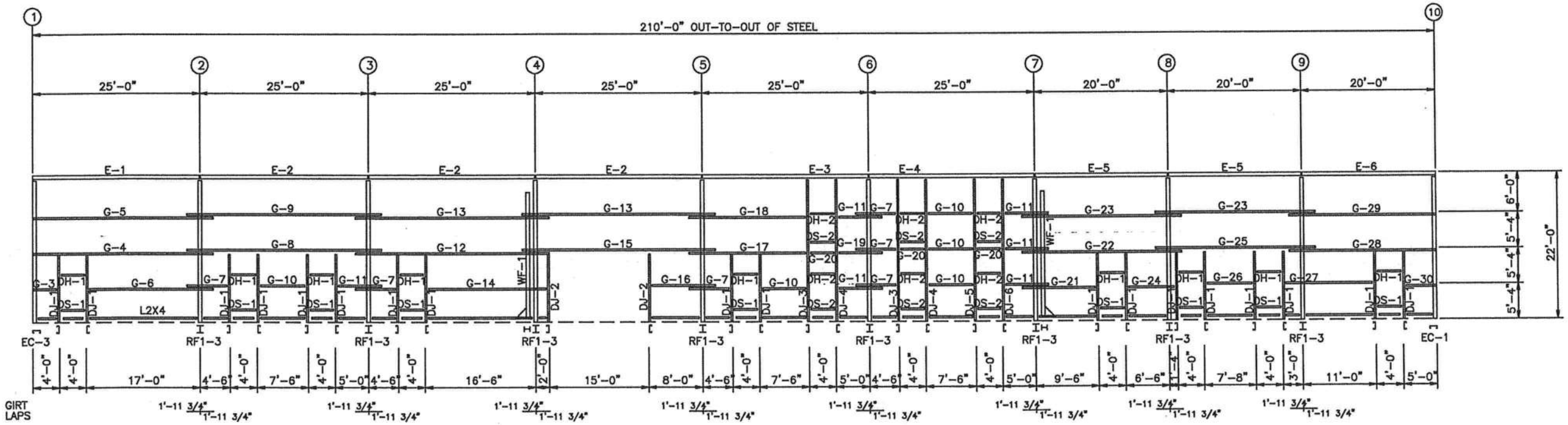
SPECIAL BOLTS				
ID	QUAN	TYPE	DIA	LEN
1	4	A307	1/2"	1"

MEMBER TABLE		
MARK	PART	LENGTH
P-1	8x25Z14	27'-11 1/
P-2	8x25Z16	29'-11 1/
P-3	8x25Z16	28'-11 1/
P-4	8x25Z16	23'-11 1/
P-5	8x25Z16	24'-11 1/
P-6	8x25Z16	22'-11 1/
E-1	8ES14_1	24'-11 1/
E-2	8ES14_1	24'-11 1/
E-3	8ES14_1	24'-11 1/
E-4	8ES14_1	24'-11 1/
E-5	8ES14_1	19'-11 1/
E-6	8ES14_1	19'-11 1/
E-7	8ES14_1	19'-11 1/
E-8	8ES14_1	19'-11 1/
E-9	8ES14_1	19'-11 1/
E-10	8ES14_1	19'-11 1/
E-11	8ES14_1	24'-11 1/
E-12	8ES14_1	24'-11 1/
E-13	8ES14_1	24'-11 1/
E-14	8ES14_1	24'-11 1/
CB-2	HW-3732	30'-8 7/
CB-3	HW-3730	26'-7"



ROOF FRAMING PLAN

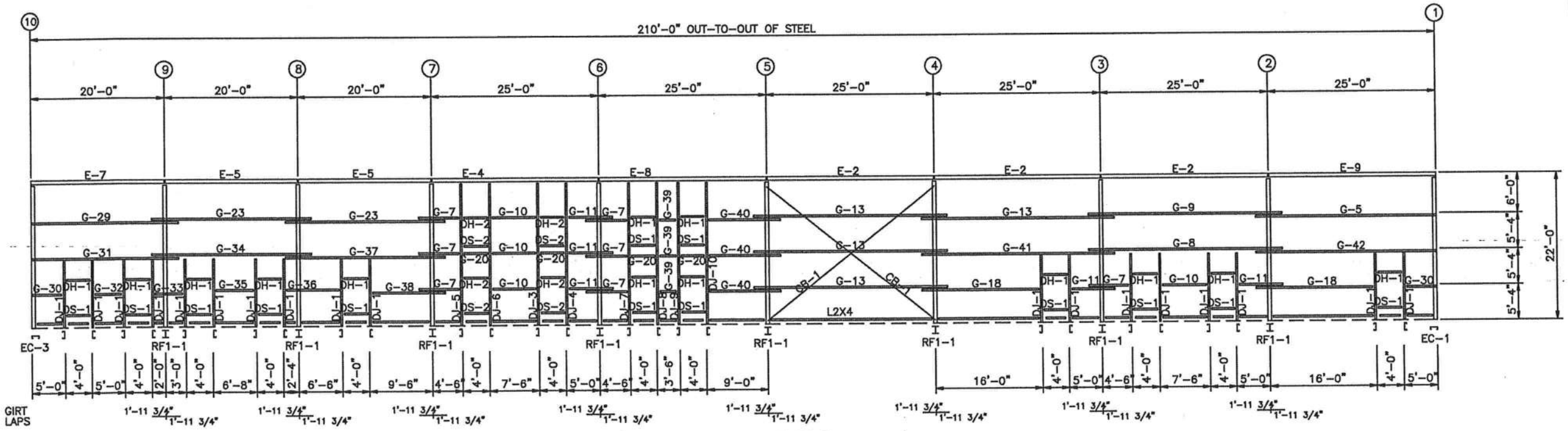
STEEL BUILDING SYSTEM		GATEWAY BAPTIST CHU		
PROJECT	02-01-020	ROOF FRAMING		
ID	02-01-020	DESIGN:	DRAFT:	CHECK
PROJECT ADDRESS	LOCATION: LAKE CITY, FL	DATE: 8/ 5/02	SHEET	OF



SIDEWALL FRAMING: LINE A

MEMBER TABLE FRAME LINE A		
MARK	PART	LENGTH
WF-1	BU12x19	20'-0"
DJ-1	8X35C14	10'-8 1/4
DJ-2	8X35C14	10'-8 1/4
DJ-3	10X35C14	21'-4 13/
DJ-4	10X35C14	21'-4 13/
DJ-5	10X35C14	21'-4 13/
DJ-6	10X35C14	21'-4 13/
DH-1	8X35C14	4'-0"
DH-2	10X35C14	4'-0"
DS-1	8X35C14	4'-0"
DS-2	10X35C14	4'-0"
E-1	8ES14_1	24'-11 1/
E-2	8ES14_1	24'-11 1/
E-3	8ES14_1	24'-11 1/
E-4	8ES14_1	24'-11 1/
E-5	8ES14_1	19'-11 1/
E-6	8ES14_1	19'-11 1/
G-3	8x25Z16	3'-7 1/2"
G-4	8x25Z12	26'-11 1/
G-5	8x25Z14	26'-11 1/
G-6	8x25Z16	18'-7 1/
G-7	8x25Z16	6'-1 1/2"
G-8	8x25Z14	28'-11 1/
G-9	8x25Z14	28'-11 1/
G-10	8x25Z16	6'-9 1/2"
G-11	8x25Z16	6'-7 1/2"
G-12	8x25Z14	28'-11 1/
G-13	8x25Z16	28'-11 1/
G-14	8x25Z14	17'-9 1/
G-15	8x25Z14	28'-11 1/
G-16	8x25Z16	9'-7 1/2"
G-17	8x25Z14	17'-7 1/
G-18	8x25Z16	17'-7 1/
G-19	8x25Z14	6'-7 1/2"
G-20	8x25Z16	3'-11 1/
G-21	8x25Z16	11'-1 1/
G-22	8x25Z16	23'-11 1
G-23	8x25Z16	23'-11 1
G-24	8x25Z16	7'-1 1/2"
G-25	8x25Z16	23'-11 1
G-26	8x25Z16	6'-11 1/
G-27	8x25Z16	13'-3 1/
G-28	8x25Z16	21'-11 1
G-29	8x25Z16	21'-11 1
G-30	8x25Z16	4'-7 1/2"

STEEL BUILDING SYSTEM		GATEWAY BAPTIST CHU		
PBROJECT	02-01-020	SIDEWALL FRAMING		
ID	02-01-020	DESIGN:	DRAFT:	CHEC
PBROJECT ADDRESS	LOCATION: LAKE CITY, FL	DATE:	SHEET	0

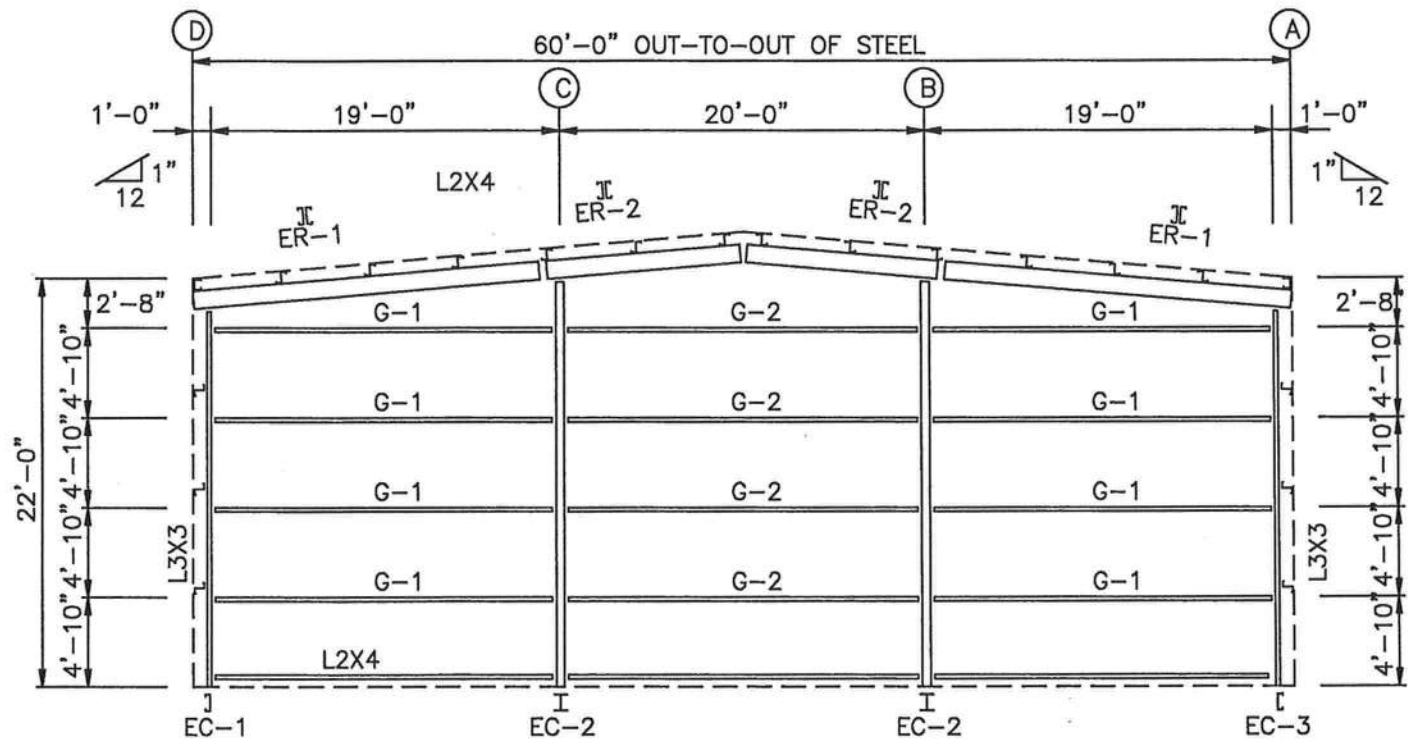


SIDEWALL FRAMING: LINE D

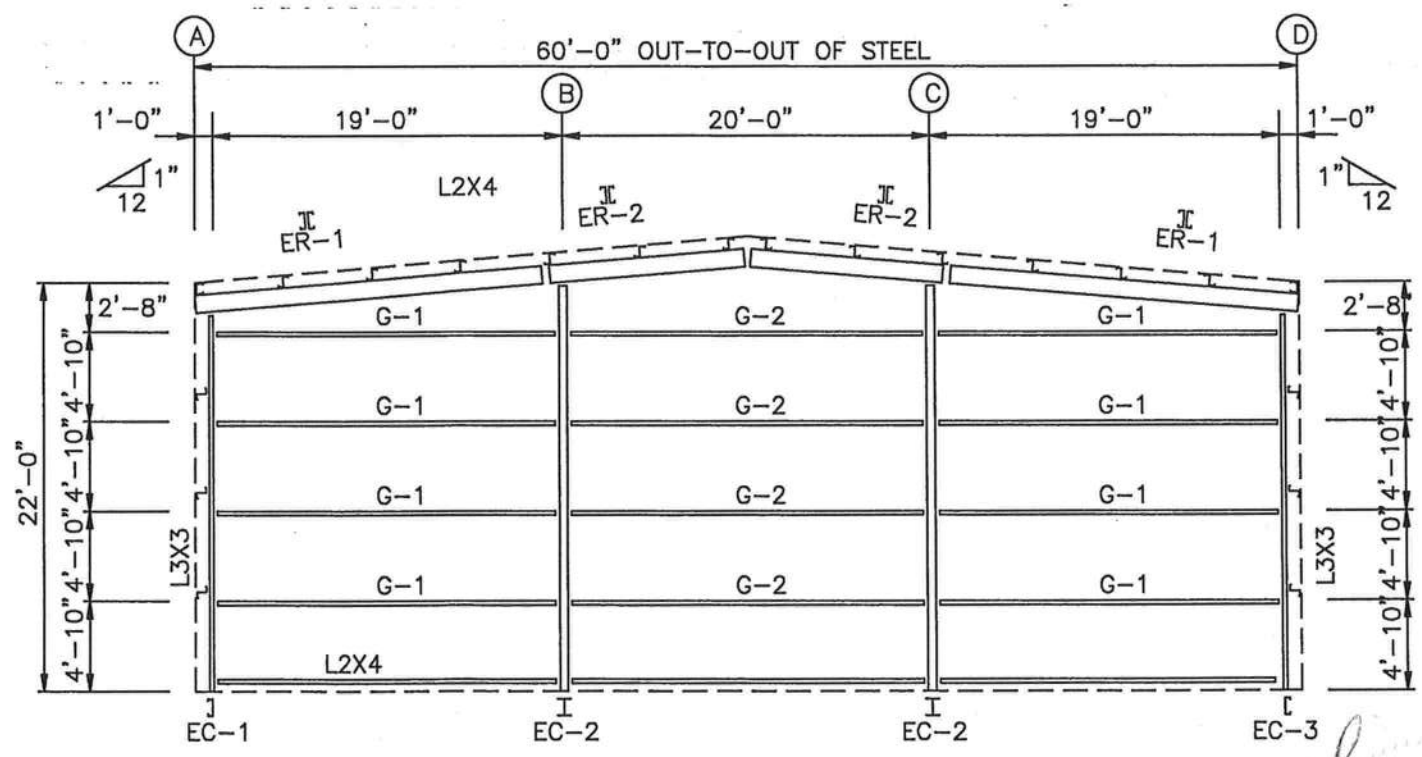
MEMBER TABLE
FRAME LINE D

MARK	PART	LENGTH
DJ-1	8X35C14	10'-8 1/
DJ-3	10X35C14	21'-4 13/
DJ-4	10X35C14	21'-4 13/
DJ-5	10X35C14	21'-4 13/
DJ-6	10X35C14	21'-4 13/
DJ-7	8X35C14	21'-4 11/
DJ-8	8X35C14	21'-4 11/
DJ-9	8X35C14	21'-4 11/
DJ-10	8X35C14	21'-4 11/
DH-1	8X35C14	4'-0"
DH-2	10X35C14	4'-0"
DS-1	8X35C14	4'-0"
DS-2	10X35C14	4'-0"
E-2	8ES14_1	24'-11 1
E-4	8ES14_1	24'-11 1
E-5	8ES14_1	19'-11 1
E-7	8ES14_1	19'-11 1
E-8	8ES14_1	24'-11 1
E-9	8ES14_1	24'-11 1
G-5	8x25Z14	26'-11 1
G-7	8x25Z16	6'-1 1/2
G-8	8x25Z14	28'-11 1
G-9	8x25Z14	28'-11 1
G-10	8x25Z16	6'-9 1/2
G-11	8x25Z16	6'-7 1/2
G-13	8x25Z16	28'-11 1
G-18	8x25Z16	17'-7 1/
G-20	8x25Z16	3'-11 1/
G-23	8x25Z16	23'-11 1
G-29	8x25Z16	21'-11 1
G-30	8x25Z16	4'-7 1/2
G-31	8x25Z14	21'-11 1
G-32	8x25Z16	4'-3 1/2
G-33	8x25Z16	4'-3 1/2
G-34	8x25Z14	23'-11 1
G-35	8x25Z16	5'-11 1/
G-36	8x25Z16	8'-1 1/2
G-37	8x25Z16	23'-11 1
G-38	8x25Z16	11'-1 1/
G-39	8x25Z16	2'-9 1/2
G-40	8x25Z16	10'-7 1/
G-41	8x25Z16	28'-11 1
G-42	8x25Z12	26'-11 1
CB-1	HW-3734	32'-2 1/

STEEL BUILDING SYSTEM		GATEWAY BAPTIST CH
PBROJECT	02-01-020	SIDEWALL FRAMING
ID	02-01-020	DESIGN: DRAFT: CHEC
PBROJECT ADDRESS	LOCATION: LAKE CITY, FL	DATE: SHEET



ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 10

BOLT TABLE: FRAME LINE 1 & 10				
LOCATION	QUAN	TYPE	DIA	LEN
ER-1-ER-2	8	A325	5/8"	2"
ER-2-ER-2	8	A325	5/8"	2"
ER-2-ER-1	8	A325	5/8"	2"
Corner_Column	2	A325	5/8"	1 1/
Column	4	A325	5/8"	1 1/

MEMBER TABLE FRAME LINE 1 & 10		
MARK	PART	LENGTH
EC-1	8X35C14	20'-8 15/1
EC-2	BU8x11.9	22'-3 15/1
EC-3	8X35C14	20'-8 15/1
ER-1	8x8DC14	18'-11 1/4
ER-2	8x8DC14	11'-2 7/16
G-1	10x25Z14	18'-7 1/2"
G-2	10x25Z14	19'-3 1/2"

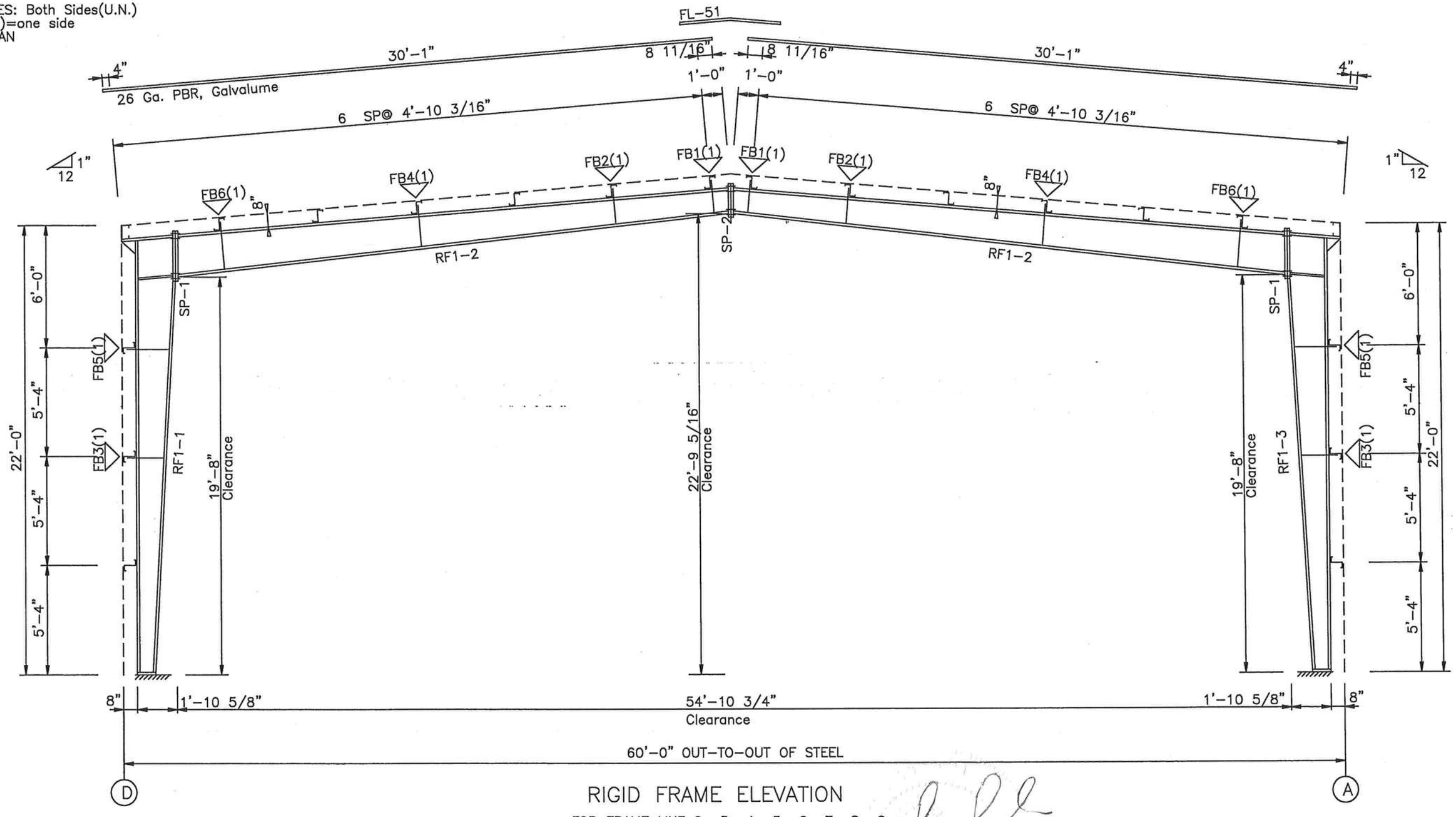
STEEL BUILDING SYSTEM		GATEWAY BAPTIST CHU		
PBROJECT	02-01-020	ENDWALL FRAMING		
ID	02-01-020	DESIGN:	DRAFT:	CHECK
PBROJECT ADDRESS	LOCATION: LAKE CITY, FL	DATE:	SHEET	OF

SPLICE BOLTS									
Splice Mark	Top Of Plate Qnt	Typ	Dia	Len	Bottom Of Plate Qnt	Typ	Dia	Len
Sp- 1	4	A325	3/4"	2 1/2"	4	A325	3/4"	2 1/2"
Sp- 2	4	A325	3/4"	2 1/2"	4	A325	3/4"	2 1/2"

BASE PLATES			
Col Id	Plate Size Wid	Thick	Length
RF1-1	6"	1/2"	8 5/16"
RF1-3	6"	1/2"	8 5/16"

MEMBER SIZE TABLE					
PIECE	WEB DEPTH START/END	WEB PLATE THICK	WEB PLATE LENGTH	OUTSIDE FLANGE W x T x LEN	INSIDE FLANGE W x T x LEN
RF1-1	7.7/ 8.8	0.135	1'-6 11/16"	5 x 5/16" x 20'-0"	5 x 5/16" x 19'-
	8.8/22.0	0.135	19'-11"	5 x 5/16" x 1'-3 13/16"	
				5 x 5/16" x 2'-6 3/8"	
RF1-2	22.0/14.7	0.135	19'-11"	5 x 5/16" x 7'-4 9/16"	5 x 1/4" x 20'-
	14.7/12.0	0.135	7'-7 3/8"	5 x 1/4" x 20'-0"	5 x 1/4" x 7'-
RF1-3	22.0/ 8.8	0.135	19'-11"	5 x 5/16" x 2'-6 3/8"	5 x 5/16" x 19'-
	8.8/ 7.7	0.135	1'-6 11/16"	5 x 5/16" x 1'-3 13/16"	
				5 x 5/16" x 20'-0"	

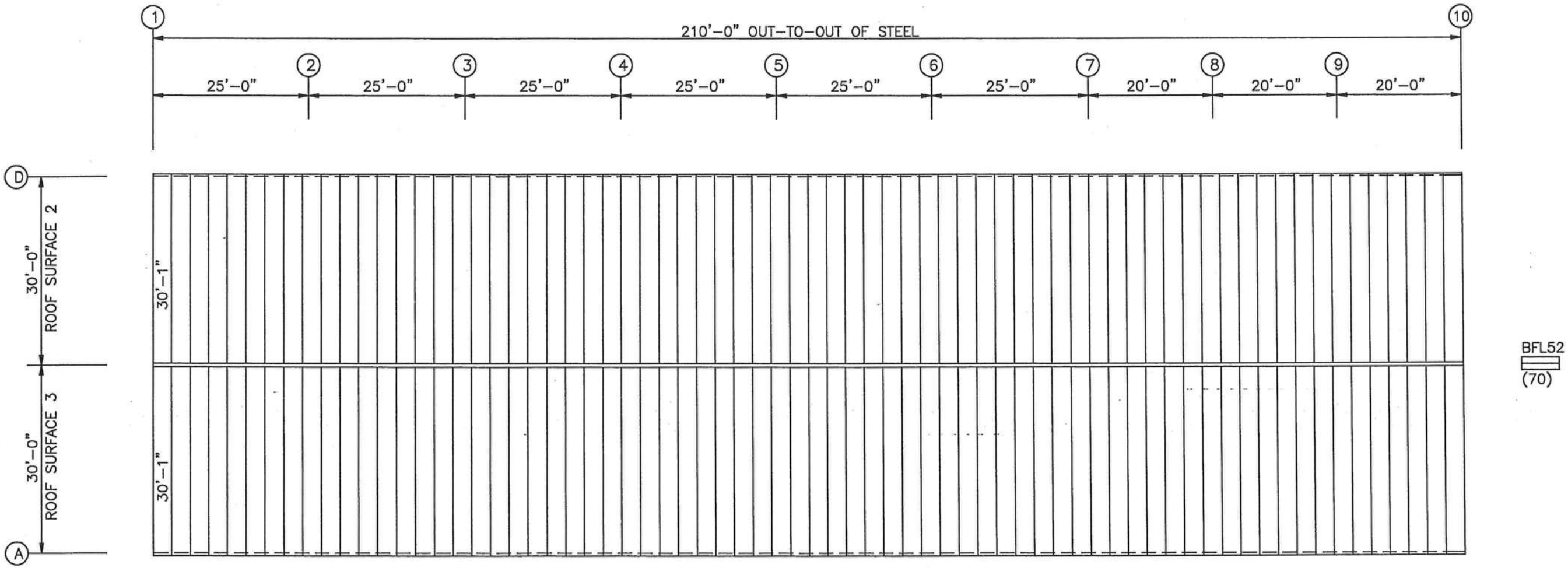
FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): (1)=one side
A - 2x2x14AN



RIGID FRAME ELEVATION

FOR FRAME LINE 2 3 4 5 6 7 8 9

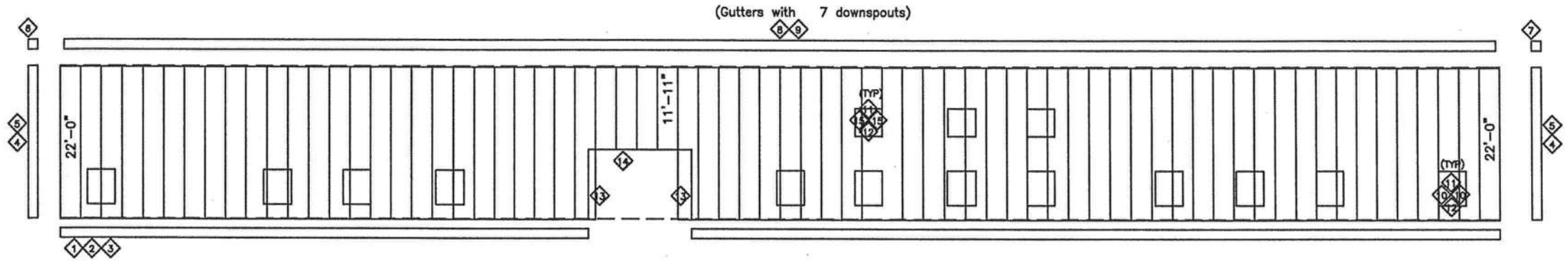
STEEL BUILDING SYSTEM		GATEWAY BAPTIST CHUR		
PBROJECT	02-01-020	RIGID FRAME ELEVATION		
ID	02-01-020	DESIGN:	DRAFT:	CHECK:
PBROJECT ADDRESS	LOCATION: LAKE CITY, FL	DATE:	SHEET	OF



BFL52
(70)

ROOF SHEETING PLAN
PANELS: 26 Ga. PBR
Galvalume

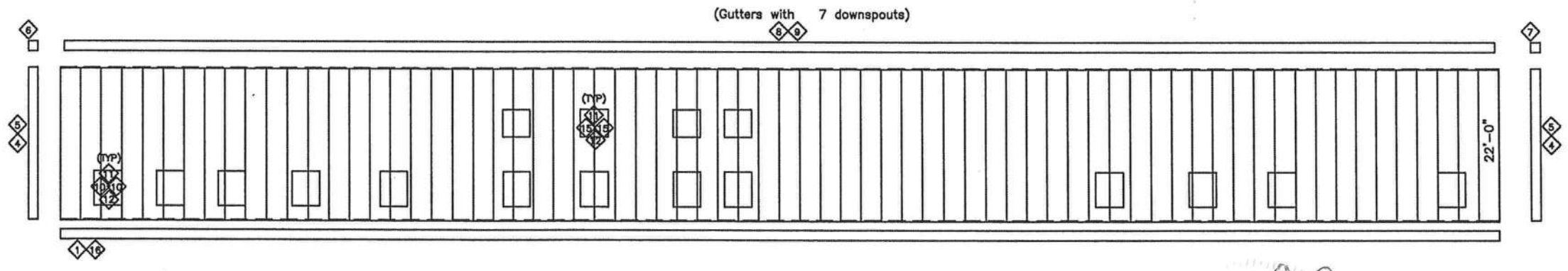
STEEL BUILDING SYSTEM		GATEWAY BAPTIST CHU		
PROJECT	02–01–020	ROOF FRAMING		
ID	02–01–020	DESIGN:	DRAFT:	CHECK:
PROJECT ADDRESS	LOCATION: LAKE CITY, FL	DATE: 8/ 5/02	SHEET	OF



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. R – NEED COLOR

TRIM TABLE FRAME LINE A & D		
◇ID	PART	LENGTH
1	BFL161	20'–2"
2	BFL161	17'–0"
3	BFL161	18'–0"
4	FL–835	20'–3"
5	FL–835	2'–0"
6	FL–761L	3"
7	FL–761R	3"
8	FL–762	20'–2"
9	FL–762	10'–0"
10	FL–23F	5'–3"
11	FL–26H	4'–3"
12	FL–26H	4'–0"
13	FL–23F	10'–3"
14	FL–26H	15'–3"
15	FL–23F	4'–3"
16	BFL161	10'–0"



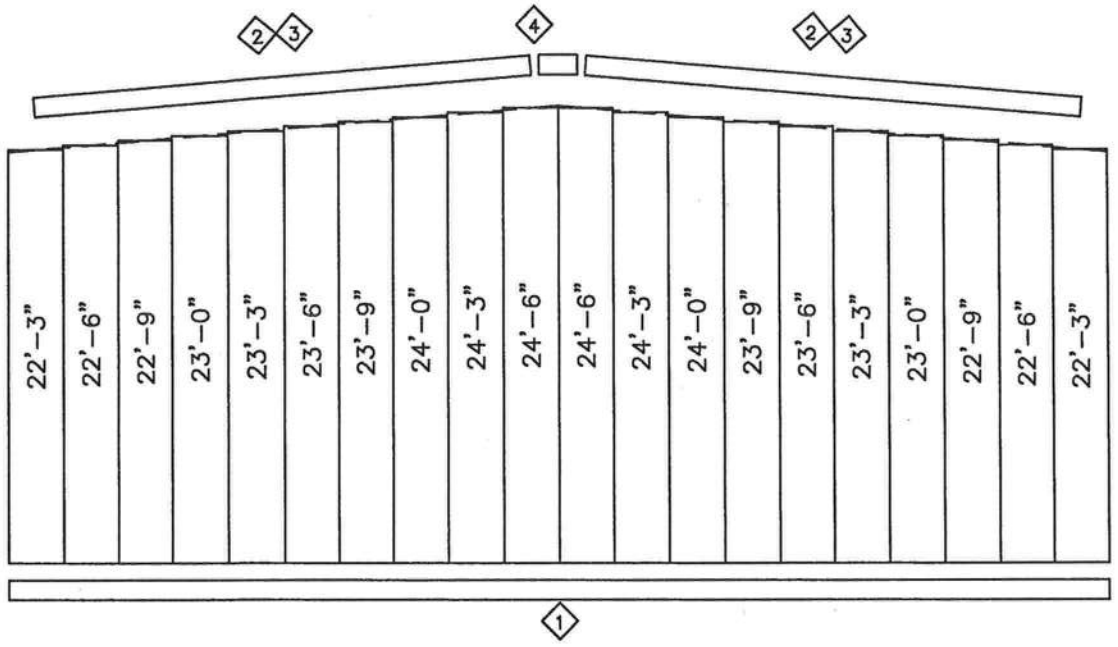
SIDEWALL SHEETING & TRIM: FRAME LINE D

PANELS: 26 Ga. R – NEED COLOR

5/8/02

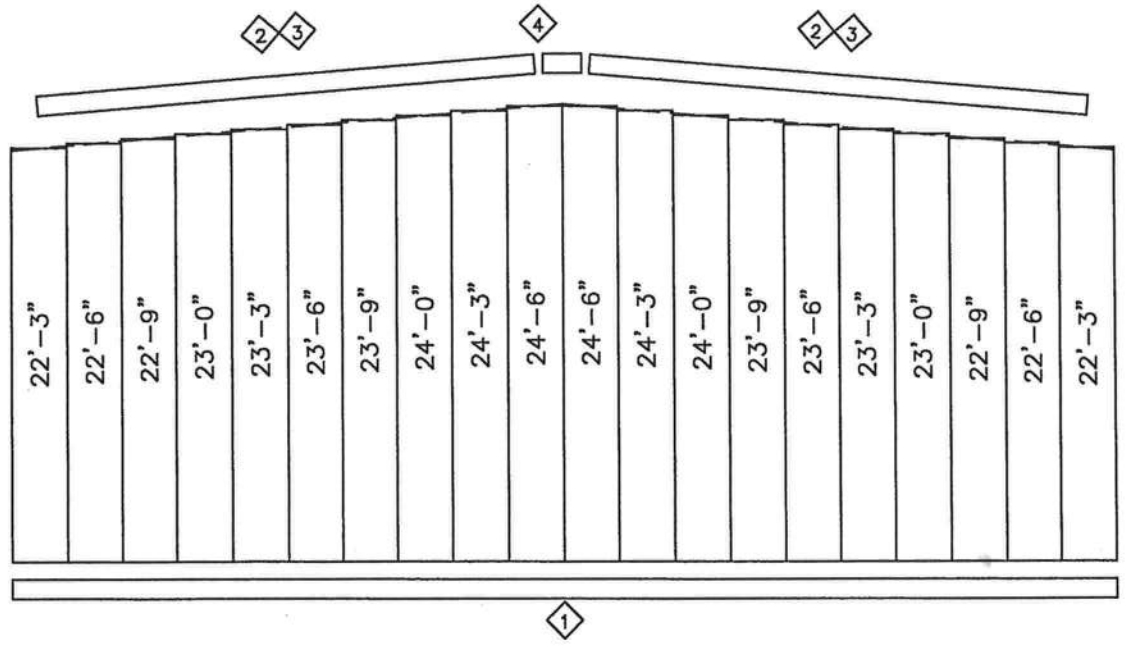
STEEL BUILDING SYSTEM		GATEWAY BAPTIST CHU		
PBROJECT	02–01–020	SIDEWALL FRAMING		
ID	02–01–020	DESIGN:	DRAFT:	CHEC
PBROJECT ADDRESS	LOCATION: LAKE CITY, FL	DATE:	SHEET	O

TRIM TABLE FRAME LINE 1 & 10		
◇ID	PART	LENGTH
1	BFL161	20'-2"
2	FL-766	20'-3"
3	FL-766	10'-1"
4	FL-767	1'-4"



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. R – NEED COLOR



ENDWALL SHEETING & TRIM: FRAME LINE 10

PANELS: 26 Ga. R – NEED COLOR

STEEL BUILDING SYSTEM		GATEWAY BAPTIST CHU		
PBROJECT	02-01-020	ENDWALL FRAMING		
ID	02-01-020	DESIGN:	DRAFT:	CHECK
PBROJECT ADDRESS	LOCATION: LAKE CITY, FL	DATE:	SHEET	OF