

DATE 11/14/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025224

APPLICANT JERRY CASTAGNA PHONE 386.755.6867
ADDRESS 1459 GRANDVIEW STREET LAKE CITY FL 32055
OWNER JERRY CASTAGNA PHONE 386.755.6867
ADDRESS 165 NW AMENITY COURT LAKE CITY FL 32055
CONTRACTOR JERRY CASTAGNA PHONE 386.755.6867
LOCATION OF PROPERTY 90-W TO AMENITY COURT,TR AND IT'S THE LOT ON R, BY THE CUL-D

TYPE DEVELOPMENT FOUNDATION ESTIMATED COST OF CONSTRUCTION 30000.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION CONC WALLS ROOF PITCH 3'12 FLOOR CONC
LAND USE & ZONING CI MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT REAR SIDE
NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 28-3S-16-02372-027 SUBDIVISION WEST END BUS. PARK
LOT 7 BLOCK PHASE UNIT TOTAL ACRES 0.52

000001255 CBC0476842
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
PUBLIC WORKS 06-0865-N BLK JTH
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: UNDER 1 ACRE NO SDP REQUIRED. FOUNDATION ONLY. NO BLDG ERECTION. SLAB ONLY. 1 FOOT ABOVE ROAD.

Check # or Cash 002

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by
Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by
Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by
Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by
M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 150.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 250.00
INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

15-10-2020

Columbia County Building Permit Application

FOUNDATION
PERMIT!
ONLY!

For Office Use Only Application # 0610-61 Date Received 10/20/06 By G Permit # 1255/25224
 Application Approved by - Zoning Official B2K Date 23.10.06 Plans Examiner OK JTH Date 11-09-06
 Flood Zone X pmt Development Permit N/A Zoning C2 Land Use Plan Map Category COMMERCIAL
 Comments Under 1 Acre No SOP Required
☒ NOC ☒ EH ☐ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit JERRY CASTAGNA Phone 755-6867
 Address 1459 GRANDVIEW ST. LAKE CITY FL. 32055

Owners Name JERRY CASTAGNA Phone 755-6867
 911 Address 165 NW AMENITY COURT, LAKE CITY FL 32055

Contractors Name JERRY CASTAGNA LAKE CITY FL 32055 Phone 755-6867
 Address 521 NW OLD MILL RD

Fee Simple Owner Name & Address NA
 Bonding Co. Name & Address NA

Architect/Engineer Name & Address GREGORY BARFIELD PE 2149 NELLBURN RD. ADRI GEORGIA 31620
 Mortgage Lenders Name & Address NA

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

Property ID Number 28-35-16-02372-027 Estimated Cost of Construction 160,000.00?

Subdivision Name WEST END BUSINESS PARK Lot 7 Block Unit Phase 30,000

Driving Directions TAKE 90 WEST TO AMENITY CT. TURN RIGHT & LOT IS ON RIGHT BY CUL-DE-SAC

Type of Construction METAL FOUNDATION ONLY Number of Existing Dwellings on Property 0

Total Acreage .52 Lot Size .52 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 42' Side 23' Side 30' Rear 32'

Total Building Height 28'6" Number of Stories 2 Heated Floor Area 2500 Roof Pitch 3/12
2ND STORY STORAGE ONLY! SQ FT.

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

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

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

Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 20TH day of OCT. 2006

Personally known ☒ or Produced Identification ☐



Chris W. Cox
 Commission #DD308891
 Expires: Apr 17, 2008
 Bonded Thru
 Atlantic Bonding Co., Inc.

Contractor Signature

Contractors License Number CBC 047842

Competency Card Number

NOTARY STAMP/SEAL

Notary Signature

(Revised Sept. 2006)

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001255

DATE 11/14/2006 PARCEL ID # 28-3S-16-02372-027

APPLICANT JERRY CASTAGNA PHONE 386.755.6867

ADDRESS 1459 GRANDVIEW STREET LAKE CITY FL 32055


OWNER JERRY CASTAGNA PHONE 386.755.6867

ADDRESS 165 NW AMENITY COURT LAKE CITY FL 32055

CONTRACTOR JERRY CASTAGNA PHONE 386.755.6867

LOCATION OF PROPERTY 90-W TO AMENITY COURT, TR AND IT'S THE LOT ON R, BY THE CUL-DE-SAC

SUBDIVISION/LOT/BLOCK/PHASE/UNIT WEST END BUS. PARK 7

SIGNATURE 

INSTALLATION REQUIREMENTS

☐

Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☒

Other SEE PUBLIC WORKS DEPT. PERRY LITTLE FO SPECS ON COMM. CULVERT

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



SEP-22-2006 14:51

TERRY McDAVID

1 386 752 6951 P. 09/22/06

Det. Copy 3.51

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:2006022198 Date:08/15/2006 Time:14:45

4-9 DC, P. Donitt Casson, Columbia County B:4098 P:885

PERMIT NO. _____

TAX FOLIO NO.: 28-38-16-02272-027

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property:

Lot 7, WEST END BUSINESS PARK, a subdivision according to the plat thereof recorded in Plat Book 7, Page 149 of the public records of Columbia County, Florida.

2. General description of improvement: Construction of commercial building.

3. Owner information:

a. Name and address: LC PROPERTY, L.L.C., a Florida Limited Liability Company, 166 South Roscoe Boulevard, Ponte Vadera Beach, Florida 32082.

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner):

4. Contractor: JERRY J. CASTAGNA, CASTAGNA CONSTRUCTION COMPANY, 521 NW Old Mill Road, Lake City, Florida 32055.

5. Surety

a. Name and address: None

6. Lender: FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West US Highway 90, Lake City, Florida 32055.

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West US Highway 90, Lake City, Florida 32055, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified). September 11, 2006.

LC PROPERTY, L.L.C.

By: John B. Hart
John B. Hart
Manager

SEP-22-2006 14:52

TERP/ MCDONALD

The foregoing instrument was acknowledged before me this 11th day of September 2006, by JOHN B. HART, Manager of LC PROPERTY, L.L.C., a Florida Limited Liability Company. He is personally known to me and did not take an oath.


Notary Public

My commission expires:



Inst:2006022120 Date:09/15/2006 Time:14:46

DC, P. DelWitt Cason, Columbia County 2:1035 P:566

FT3M
3

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: _____

(Address of Treatment or Lot/Block of Treatment)

City

Florida Pest Control & Chemical Co.

www.flapest.com

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

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1

(Information to be provided to local building code offices prior to concrete foundation installation.)

SEP-22-2006 14:51

TERRY McDAVID

1 Job 102 10/05

P. 03/05

Cert. Copy 3.50

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:2006022198 Date:08/15/2006 Time:14:46

1-9 LC, P. DeWitt Casson, Columbia County B:1030 P:885

PERMIT NO. _____

TAX FOLIO NO.: 28-38-16-02372-027

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STATE OF FLORIDA
COUNTY OF COLUMBIA

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3. Owner information:

a. Name and address: LC PROPERTY, L.L.C., a Florida Limited Liability Company, 166 South Roscoe Boulevard, Ponte Vedra Beach, Florida 32082.

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner):

4. Contractor: JERRY J. CASTAGNA, CASTAGNA CONSTRUCTION COMPANY, 521 NW Old Mill Road, Lake City, Florida 32055.

5. Surety

a. Name and address: None

6. Lender: FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West US Highway 90, Lake City, Florida 32055.

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West US Highway 90, Lake City, Florida 32055, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified). September 11, 2006.

LC PROPERTY, L.L.C.

By: John B. Hart

John B. Hart
Manager

SEP-22-2006 14:52

TERPY MCDAULE

The foregoing instrument was acknowledged before me this 11th day of September 2006, by JOHN B. HART, Manager of LC PROPERTY, L.L.C., a Florida Limited Liability Company. He is personally known to me and did not take an oath.

Notary Public

My commission expires:



Inst:2006022138 Date:08/15/2006 Time:14:46

DC, P. Bennett Case, Columbia County #1096 P:666

ITEM 5

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

Permit Application Number 06-0865N

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

Scale: 1 inch = 50 feet.

SEE
ATTACHED

Notes: _____

Site Plan submitted by: Rock D F MASTER CONTRACTOR

Plan Approved ☒ Not Approved _____ Date 10/3/06

By M. S. In Columbin County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

SEP-22-2006 14:58

TERRY McDAVID

1 386 752 6951

Doc. 1,260.00

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

File No. 06-506

Property Appraiser's
Parcel Identification No.
28-38-16-02372-027

Inst:2086022436 Date:09/15/2006 Time:14:46

Doc Stamp-Deed : 1260.00

J. P. DeWitt Cason, Columbia County B:1036 P:654

WARRANTY DEED

THIS INDENTURE, made this 11th day of September 2006, BETWEEN JERRY J. CASTAGNA and FRANK SOUCINEK, whose post office address is 521 NW Old Mill Road, Lake City, Florida 32055, of the County of Columbia, State of Florida, grantor*, and LC PROPERTY, L.L.C., a Florida Limited Liability Company, whose document number assigned by the Secretary of State of Florida is L06000073062* and whose post office address is 166 South Roscoe Boulevard, Ponte Vedra Beach, Florida 32082, of the County of St. Johns, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's successors and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lot 7, WEST END BUSINESS PARK, a subdivision according to the plat thereof recorded in Plat Book 7, Page 149 of the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

*N.B.: THE PURPOSE OF INCLUDING THE DOCUMENT NUMBER OF THIS GRANTEE IS TO AVOID CONFUSION BETWEEN THIS GRANTEE AND ANY OTHER LIMITED LIABILITY COMPANY OF THE SAME OR SIMILAR NAME.

N.B.: Neither of the Grantors nor any member of their family live or reside on the property described herein or any land adjacent thereto or claim any part thereof or any land adjacent thereto as their homestead.

SEP-22-2006 14:51

TERRY MCDAVID

1 386 752 6955 P.03/05

and said grantor does hereby fully warrant the title to said land,
and will defend the same against the lawful claims of all persons
whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as
context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand
and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

Myrtle Ann McElroy
(First Witness)
Myrtle Ann McElroy
Printed Name

Crystal L. Brunner
(Second Witness)
Crystal L. Brunner
Printed Name

Jerry J. Castagna (SEAL)
Jerry J. Castagna

Frank Soucinek (SEAL)
Frank Soucinek

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 11th
day of September 2006, by JERRY J. CASTAGNA and FRANK SOUCINEK, who
are personally known to me and who did not take an oath.

Myrtle Ann McElroy
Notary Public
My Commission Expires: _____



Inst:2006022138 Date:09/15/2006 Time:16:46

Doc Stamp-Deed : 1260.00

DC, P. DeWitt Case, Columbia County B:1898 P:655



**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:
CASTAGNA CONSTRUCTION
ROUTE 8, BOX 584
LAKE CITY, FL 32055

PERMIT NUMBER: ERP03-0028M
DATE ISSUED: 05/21/2004
DATE EXPIRES: 05/21/2006
COUNTY: COLUMBIA
TRS: S28/T3S/R16E

PROJECT: JERRY CASTAGNA OFFICE BUILDINGS MODIFICATION

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

DALE WILLIAMS
COLUMBIA COUNTY BOARD OF COMMISSIONERS
POST OFFICE BOX 969
LAKE CITY, FL 32056

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

Previous permit issued for 0.71 acres of impervious surface on 2.02 acres. Modification consists of construction and operation of a surfacewater management system serving 2.18 of impervious surface on a total project area of 5.05 acres in a manner consistent with the application package submitted by Arthur Bedenbaugh certified on August 7, 2003.

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

You or any other substantially affected persons are entitled to request an administrative hearing 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 62-302, F.A.C., shall be submitted to the District as required. If water quality data are required, the permittee shall provide data as required on the volume and rate of discharge including the total volume discharged during the sampling period. All water quality data shall be in accordance with and reference the specific method of analysis in "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association or "Methods for Chemical Analysis of Water and Wastes" by the U.S. Environmental Protection Agency.
3. The operational and maintenance phase of an environmental resource permit will not become effective until the owner or his authorized agent certifies that all facilities have been constructed in accordance with the design permitted by the District. If required by the District, such as-built certification shall be made by an engineer or surveyor. Within 30 days after the completion of construction of the system, the permittee shall notify the District that the facilities are complete. If appropriate, the permittee shall request transfer of the permit to the responsible entity approved by the District for operation and maintenance. The District may inspect the system and, as necessary, require remedial measures as a condition of transfer of the permit or release for operation and maintenance of the system.
4. Off-site discharges during and after construction shall be made only through the facilities authorized by the permit. Water discharged from the project shall be through structures suitable for

regulating upstream stage if so required by the District. Such discharges may be subject to operating schedules established by the District.

5. The permit does not convey to the permittee any property right nor any rights or privileges other than those specified in the permit and chapter 40B-1, F.A.C.
6. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance, alteration, abandonment, or development in a Works of the District which is authorized by the permit.
7. The permit is issued based on the information submitted by the applicant which reasonably demonstrates that adverse off-site water resource impacts will not be caused by the permitted activity. It is the responsibility of the permittee to insure that such adverse impacts do not in fact occur either during or after construction.
8. It is the responsibility of the permittee to obtain all other clearances, permits, or authorizations required by any unit of local, state, or federal government.
9. The surfacewater management system shall be constructed prior to or concurrent with the development that the system is intended to serve and the system shall be completed within 30 days of substantial completion of the development which the system is intended to serve.
10. Except for General Permits After Notice or permits issued to a unit of government, or unless a different schedule is specified in the permit, the system shall be inspected at least once every third year after transfer of a permit to operation and maintenance by the permittee or his agent to ascertain that the system is being operated and maintained in a manner consistent with the permit. A report of inspection is to be sent to the District within 30 days of the inspection date. If required by chapter 471, F.S., such inspection and report shall be made by an engineer.
11. The permittee shall allow reasonable access to District personnel or agents for the purpose of inspecting the system to insure compliance with the permit. The permittee shall allow the District, at its expense, to install equipment or devices to monitor performance of the system authorized by their permit.
12. The surfacewater management system shall be operated and maintained in a manner which is consistent with the conditions of the permit and chapter 40B-4.2040, F.A.C.
13. The permittee is responsible for the perpetual operation and maintenance of the system unless the operation and maintenance is transferred pursuant to chapter 40B-4.1130, F.A.C., or the permit is modified to authorize a new operation and maintenance entity pursuant to chapter 40B-4.1110,

F.A.C.

14. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
15. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
16. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.
17. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988), which is incorporated by reference, unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site-specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988). The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
18. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.
19. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40B-1.901(14) indicating the actual start date and the expected completion date.
20. When the duration of construction will exceed one year, the permittee shall submit construction

status reports to the District on an annual basis utilizing an Annual Status Report Form No. 40B-1.901(15). These forms shall be submitted during June of each following year.

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

22. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

23. Within 30 days after completion of construction of the permitted system, or independent portion of the system, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, using the supplied As-Built Certification Form No. 40B-1.901(16) incorporated by reference in Subsection 40B-1.901(16), F.A.C. When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submittal of the completed form shall serve to notify the District that the system is ready for inspection. The statement of completion and certification shall be based on on-site observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or review of as-built drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at

a minimum, shall be verified on the as-built drawings:

- a. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;
- b. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;
- c. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;
- d. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;
- e. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;
- f. Existing water elevation(s) and the date determined; and
- g. Elevation and location of benchmark(s) for the survey.

24. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the condition in paragraph 23 above, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District in accordance with Rule 40B-4.2035, F.A.C., accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the approved responsible operation and maintenance operating entity if different from the permittee. Until the permit is transferred pursuant to Rule 40B-4.1130, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

25. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior to implementation so that a determination can be made whether a permit modification is required.

26. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real

property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and in this chapter and Chapter 40B-4, F.A.C.

27. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

28. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under 40B-400.046, F.A.C., provides otherwise.

29. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 40B-4.1130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

30. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District.

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

Special limiting conditions made part of this permit are as follows:

32. SRWMD authorization shall be required before construction can begin on any and all of the lots within the project area as defined in the permit application..

Permit No.: ERP03-0028M

Project: JERRY CASTAGNA OFFICE BUILDINGS MODIFICATION

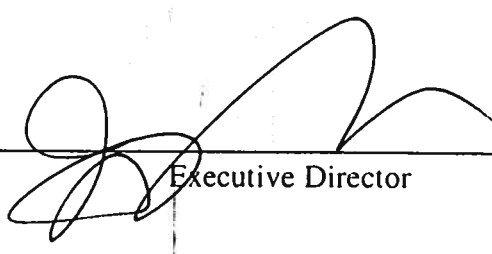
Page 8 of 8

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

Approved by  Date Approved 5/21/04

District Staff


Clerk


Executive Director



UNIVERSAL ENGINEERING SCIENCES

REPORT OF GEOTECHNICAL CONSULTING SERVICES

**Proposed Single-Story Metal Building
Vicinity of U.S. Highway 90 and Amenity Court
Lake City, Columbia County, Florida**

**UES Project No. 26995-008-02
UES Report No. 60183.1**

*ITEM
#2*

Greg Baufeld

229-894-4828

*is this all
you need?*

Prepared for:

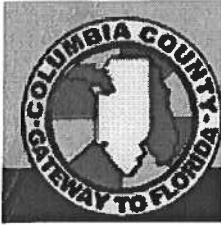
Castanga Construction
521 Old Mill Road
Lake City, FL 32055
(386) 755-6867

Prepared by:

Universal Engineering Sciences, Inc.
4475 SW 35th Terrace
Gainesville, Florida 32608
(352) 372-3392

November 6, 2006

Consultants in: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing
Offices in: Orlando • Gainesville • Ocala • Fort Myers • Merritt Island • Daytona Beach • West Palm Beach



From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: **0610-61**
Jerry Castagna contractor, Owners Jerry Castagna Property ID 28-3s-16-02372-027

On the date of October 20, 2006 application 0610-61 and plans for construction of a foundation for a commercial structure with a business Group B occupancy and storage group S occupancy were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0610-61 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

1. Please read section 105.13 (listed below) of the 2004 Florida Building Code and acknowledge the risk involved with a foundation permit.

105.13 Phased permit approval.

After submittal of the appropriate construction documents, the building official is authorized to issue a permit for the construction of foundations or any other part of a building or structure before the construction documents for the whole building or structure have been submitted. The holder of such permit for the foundation or other parts of a building or structure shall proceed at the holder's own risk with the building operation and without assurance that a permit for the entire structure will be granted. Corrections may be required to meet the requirements of the technical codes.

2. Please submit the information for minimum plan review of commercial buildings as required by section 106.3.5 of the 2004 Florida Building Code.

A. Structural requirements shall include a:

Soil conditions/analysis

Submit two copies of the required report (1802.6) to comply with section 1802.5 of the 2004 Florida Building Code.

1802.5 Soil boring and sampling:

The soil boring and sampling procedure and apparatus shall be in accordance with generally accepted engineering practice. The registered design professional shall have a fully qualified representative on the site during all boring and sampling operations.

Required report 1802.6

The soil classification and design load-bearing capacity shall be shown on the construction document. Where required by the building official, a written report of the investigation shall be submitted that includes, but need not be limited to, the following information:

1. A plot showing the location of test borings and/or excavations.
2. A complete record of the soil samples.
3. A record of the soil profile.
4. Elevation of the water table, if encountered.
5. Recommendations for foundation type and design criteria, including but not limited to: bearing capacity of natural or compacted soil; provisions to mitigate the effects of expansive soils; mitigation of the effects of liquefaction, differential settlement and varying soil strength; and the effects of adjacent loads.
6. Expected total and differential settlement.
7. Pile and pier foundation information in accordance with Section 1808.2.2.
8. Special design and construction provisions for footings or foundations founded on expansive soils, as necessary.
9. Compacted fill material properties and testing in accordance with Section

1803.5

Termite protection:

Provide a letter from a registered termiticides as to the method of termite protection.

Section 1603 Construction documents:

A set of construction plans designed by Steel Building Systems Inc. were submitted, which included the required Wind design data in section 1603.1.4 of the 2004 Florida Building Code. Also submitted were of foundation plans designed by Gregory S. Barfield, PE. Please submit written verification form Mr. Barfield that the foundation design complies with the requirements of section 1603.1.4 of the 2004 Florida Building Code.

1603.1.4 Wind design data:

The following information related to wind loads shall be shown, regardless of whether wind loads govern the design of the lateral-force-resisting system of the building:

1. Basic wind speed (3-second gust), miles per hour (km/hr).
2. Wind importance factor, I_W , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.
3. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.
4. The applicable enclosure classifications and, if designing with ASCE 7, internal pressure coefficient.
5. Components and cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional.

Waste water disposal system:

Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system or a letter of intent from the City of Lake City for waste water utility connection.

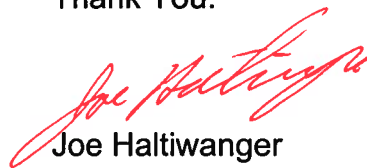
Notice of commencement:

Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be preformed by the Columbia County Building Department.

Limitation of the foundation permit:

The foundation permit when issued will permit the forming of a monolithic slab-on-grade and placement of concrete which is required for the foundation only. No additional construction work will commence until additional plans are submitted to the Columbia County Building Department for review.

Thank You:



Joe Haltiwanger
Plan Examiner
Columbia County Building
Department



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**Consultants In: Geotechnical Engineering •
Environmental Sciences • Construction Materials Testing**

REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: Cashner Construction

PROJECT: R-3 Goble

PROJECT: Lake city, FL Columbia County

AREA TESTED: S/G + prop. col. Forward.

COURSE: F16 DEPTH OF TEST: 0-1'

TYPE OF TEST: ASTM D-2922 DATE TESTED: 11-9-06

NOTE: The below tests ~~DO/DO NOT~~ meet the minimum 25 % compaction requirements of maximum density.

REMARKS: ** Rodent. Col. Found were # from E. #1 to W #6*

[illegible]

TECH. T.G.



REPORT ON IN-PLACE DENSITY TESTS

UNIVERSAL

ENGINEERING SCIENCES

**Consultants In: Geotechnical Engineering •
Environmental Sciences • Construction Materials Testing**

REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: Laserna Construction

PROJECT: R-3 Goble

AREA TESTED: S/G & prop. col. Forward.

COURSE: FLC

DEPTH OF TEST: 0-1'

TYPE OF TEST: ASTM D-2922

DATE TESTED: 11-9-06

NOTE: The below tests ~~DO NOT~~ meet the minimum 25 % compaction requirements of maximum density.

REMARKS: ** Re-test*
Col. Found were # from E. #1 to W #6

[illegible]TECH. T.G.



UNIVERSAL
ENGINEERING SCIENCES

**REPORT OF GEOTECHNICAL
CONSULTING SERVICES**

**Proposed Single-Story Metal Building
Vicinity of U.S. Highway 90 and Amenity Court
Lake City, Columbia County, Florida**

**UES Project No. 26995-008-02
UES Report No. 60183.1**

Prepared for:

Castanga Construction
521 Old Mill Road
Lake City, FL 32055
(386) 755-6867

Prepared by:

Universal Engineering Sciences, Inc.
4475 SW 35th Terrace
Gainesville, Florida 32608
(352) 372-3392

November 6, 2006

Consultants in: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing
Offices in: Orlando • Gainesville • Ocala • Fort Myers • Merritt Island • Daytona Beach • West Palm Beach



UNIVERSAL ENGINEERING SCIENCES

Consultants in: Geotechnical Engineering • Environmental Engineering
Construction Materials Testing • Threshold Inspection • Private Provider Inspection

November 6, 2006

Castanga Construction
521 NW Old Mill Road
Lake City, FL 32055

Attention: Mr. Frank Soucinck

Reference: **Report of Geotechnical Consulting Services**
Proposed Single-Story Metal Building
Vicinity of U.S. Highway 90 and Amenity Court
Lake City, Columbia County, Florida
Section 28, Township 3 South, Range 16 East
UES Project No: 26995-008-02 UES Report No: 60183.1

OFFICES IN
• Clermont, FL
• Daytona Beach, FL
• DeBary, FL
• Fort Myers, FL
• Gainesville, FL
• Hollywood, FL
• Jacksonville, FL
• Norcross, GA
• Ocala, FL
• Orlando, FL
• Palm Coast, FL
• Pensacola, FL
• Rockledge, FL
• Sarasota, FL
• St. Augustine, FL
• Tampa, FL
• West Palm Beach, FL

Dear Mr. Soucinck:

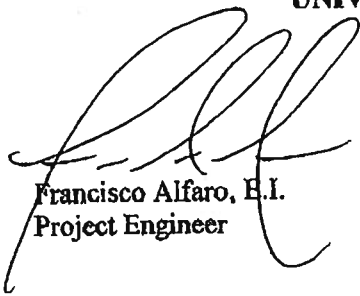
Universal Engineering Sciences, Inc. has completed a subsurface exploration at the site of the proposed single-story metal building located in the vicinity of U.S. Highway 90 and Amenity Court in Lake City, Columbia County, Florida. These services were provided in general accordance with our Proposal No. G3215 dated October 26, 2006. Authorization for our services was provided by Mr. Frank Soucinck dated October 27, 2006. This report contains the results of our exploration, an engineering evaluation with respect to the project characteristics described to us, and recommendations for groundwater control, foundation design and site preparation. A summary of our findings is as follows:

- The borings encountered very loose to medium dense light brown sand (SP) to a depth of 4 to 6 feet followed by very loose to medium dense orange and green and light tan clayey sand (SC) to a depth of about 13.5 feet. The borings then encountered medium dense brown sand with clay (SP-SC) to soil boring termination depths of 15 feet.
- We measured the stabilized groundwater level at depths ranging from 11.5 to 12.5 feet below the existing ground surface. We estimate the normal seasonal high groundwater level will occur at a depth of 5 feet below the existing ground surface as water will tend to perch on the clayey sand.
- Assuming the building area will be constructed in accordance with our Site Preparation Recommendations, we have recommended the proposed structure be supported on conventional, shallow spread foundations with an allowable soil bearing pressure of 2,500 pounds per square foot. Due to the very loose surficial sands, we recommend improving the upper 4 feet using a self propelled vibratory roller. Verification of the improvement should be performed utilizing a sand cone penetrometer.
- We recommend only normal, good practice site preparation techniques to prepare the existing subgrade to support the proposed structure area. These techniques include compacting the subgrade and placing engineered fill to the desired grades.

We trust this report meets your needs and addresses the geotechnical issues associated with the proposed construction. We appreciate the opportunity to have worked with you on this project and look forward to a continued association. Please do not hesitate to contact us if you should have any questions, or if we may further assist you as your plans proceed.

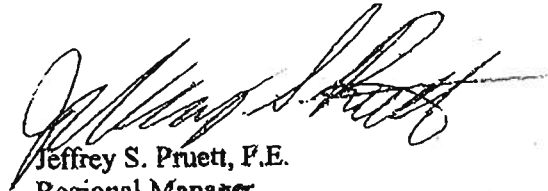
Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.
Certificate of Authorization 549



Francisco Alfaro, E.I.
Project Engineer

FA/JP:fa (3)



Jeffrey S. Pruett, P.E.
Regional Manager
Florida P.E. No. 50775
Date: 11/6/06

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Project No.: 26995-008-02

Report No.: 60183.1

Date: November 6, 2006

1.0 INTRODUCTION

1.1 GENERAL

In this report, we present the results of the subsurface exploration of the site for the proposed single-story metal building located in the vicinity of U.S. Highway 90 and Amenity Court in Lake City, Columbia County, Florida. We have divided this report into the following sections:

- SCOPE OF SERVICES - Defines what we did
- FINDINGS - Describes what we encountered
- RECOMMENDATIONS - Describes what we encourage you to do
- LIMITATIONS - Describes the restrictions inherent in this report
- APPENDICES - Presents support materials referenced in this report

2.0 SCOPE OF SERVICES

2.1 PROJECT DESCRIPTION

At the time of our field exploration, the parcel was observed to be vacant and undeveloped. The parcel had been cleared and the building footprint had been delineated. Excavations of the proposed footings and columns were also observed.

Project information was provided to us in a transmittal from Mr. Chris Cox with Cornerstone Development. We were provided with a copy of a Site Sketch. This sketch shows the boundary limits for the property and the layout of the proposed construction.

We understand the proposed construction will consist of a single-story metal building with an area of approximately 5,000 square feet. Concrete driveways and parking areas will be adjacent to the proposed structure. Detailed structural loads have not been provided, therefore we assume maximum column and wall loads will not exceed 50 kips and 3 klf, respectively. It is assumed elevating fill heights will not exceed 2 feet.

Our recommendations are based upon the above considerations. If any of this information is incorrect, or if you anticipate any changes, please inform Universal Engineering Sciences so that we may review our recommendations.

2.2 PURPOSE

The purposes of this exploration were:

- to explore the general subsurface conditions at the site;
- to interpret and evaluate the subsurface conditions with respect to the proposed construction; and
- to provide geotechnical engineering recommendations for groundwater control, foundation design, and site preparation.

Project No.: 26995-008-02
Report No.: 60183.1
Date: November 6, 2006

This report presents an evaluation of site conditions on the basis of traditional geotechnical procedures for site characterization. The recovered samples were not examined, either visually or analytically, for chemical composition or environmental hazards. Universal Engineering Sciences would be pleased to perform these services, if you desire.

2.3 FIELD EXPLORATION

The field exploration were started on October 31, 2006 and completed on November 1, 2006. The approximate boring locations are shown on the attached Boring Location Map in Appendix A. The approximate boring locations were determined in the field by our personnel using taped measurements from existing features at the site, and should be considered accurate only to the degree implied by the method of measurement used. Samples of the soils encountered will be held in our laboratory for your inspection for 60 days unless we are notified otherwise.

2.3.1 SPT Borings

To explore the subsurface conditions within and near the area of the proposed structure, we located and drilled five (5) Standard Penetration Test (SPT) borings to a depth of approximately 15 feet below the existing ground surface in general accordance with the methodology outlined in ASTM D 1586. A summary of this field procedure is included in Appendix A. Split-spoon soil samples recovered during performance of the borings were visually classified in the field and representative portions of the samples were transported to our laboratory for further evaluation.

2.4 LABORATORY TESTING

Representative soil samples obtained during our field exploration were returned to our office and examined by a geotechnical engineer. The samples were visually classified in general accordance with ASTM D 2488 (Unified Soil Classification System).

Three (3) fines content tests, three (3) moisture content tests and one (1) Atterberg Limits test were conducted in the laboratory on representative soil samples obtained from the borings. These tests were performed to aid in classifying the soils and to help quantify and correlate engineering properties. The results of these tests are presented on the Boring Logs in Appendix A. A brief description of the laboratory procedures used is also provided in Appendix A.

3.0 KARST TOPOGRAPHY

About 10% of the earth's land (and 15% of the United States) crust is composed of, or underlain by, soluble limestone. When limestone interacts with underground water, over time, the water dissolves the limestone to form karst topography, a mix of caves, underground channels, and rough and undulating ground surfaces.

Project No.: 26995-008-02

Report No.: 60183.1

Date: November 6, 2006

The underground water of karst topography carves channels and caves that become susceptible to collapse from the surface. When enough limestone is eroded from underground, a sinkhole may develop. Sinkholes can range in size and depth from a few feet to over 300 feet. The topography of North Central Florida is characteristic of karst terrain, with sinkholes caused by natural climatic variability, as well as, man-made activities, such as, the drop in groundwater levels from well pumping.

In accordance with our contracted scope of services, our exploration was confined to the zone of soil likely to be stressed by the proposed single-story construction. Our work did not address the potential for surface expression of deep geological conditions, such as sinkhole development related to karst activity. This evaluation requires a more extensive range of field services than performed in this study.

4.0 FINDINGS

4.1 SURFACE CONDITIONS

The site of the proposed single-story metal building is located in the vicinity of U.S. Highway 90 and Amenity Court in Lake City, Columbia County, Florida.

At the time of our visit, the parcel was undeveloped, vacant and had been cleared. The building footprint had been delineated with the footing excavation. Excavation for the structure columns were also observed at the time of our visit. Exposed surface soils were observed to be sandy and moist. Organic and/or clay surface soils were not observed on the project parcel. No rock outcroppings were observed on the parcel.

4.2 SUBSURFACE CONDITIONS

The boring locations and detailed subsurface conditions are illustrated in Appendix A: Boring Location Plan and Boring Logs. The classifications and descriptions shown on the logs are generally based upon visual characterizations of the recovered soil samples and a limited number of laboratory tests.

Also, see Appendix A: Key to Boring Logs, for further explanation of the symbols and placement of data on the Boring Logs. Table 1: General Soil Profile summarizes the soil conditions encountered.

TABLE 1 General Soil Profile		
Typical depth (ft)		Soil Descriptions
From	To	
0	4 to 6	Very loose to medium dense light brown sand (SP)
4 to 6	13.5	Very loose to medium dense orange and green and light tan clayey sand (SC)
13.5	15	Medium dense brown sand (SP) and clayey sand (SP-SC)
() Indicates Unified Soil Classification		

We measured the stabilized groundwater level at depths ranging from 11.5 to 12.5 feet below the existing ground surface.

Project No.: 26995-008-02

Report No.: 60183.1

Date: November 6, 2006

5.0 RECOMMENDATIONS

5.1 GENERAL

In this section of the report, we present our detailed recommendations for groundwater control, building foundation, site preparation, and construction related services. The following recommendations are made based upon a review of the attached soil test data, our understanding of the proposed construction, and experience with similar projects and subsurface conditions. We recommend that we be provided the opportunity to review the project plans and specifications to confirm that our recommendations have been properly interpreted and implemented. If the structural loadings or the building locations change significantly from those discussed previously, we request the opportunity to review and possibly amend our recommendations with respect to those changes. The discovery of any subsurface conditions during construction which deviate from those encountered in the borings should be reported to us immediately for observation, evaluation and recommendations.

5.2 GROUNDWATER CONTROL

The groundwater table will fluctuate seasonally depending upon local rainfall. The rainy season in Northeast Florida is normally between June and September. It is our opinion the seasonal high water level on this parcel will occur at a depth of 5 feet below the existing ground surface as water will tend to perch on the clayey soils.

Note: it is possible the estimated seasonal high groundwater levels will temporarily exceed these estimated levels during any given year in the future. Should impediments to surface water drainage exist on the site, or should rainfall intensity and duration, or total rainfall quantities exceed the normally anticipated rainfall quantities, groundwater levels may exceed our seasonal high estimates. We recommend positive drainage be established and maintained on the site during construction. We further recommend permanent measures be constructed to maintain positive drainage from the site throughout the life of the project. We recommend all foundation designs be based on the seasonal high groundwater conditions.

5.3 BUILDING FOUNDATION

Based on the results of our exploration, we consider the subsurface conditions at the site adaptable for support of the proposed structures when constructed on a properly designed conventional shallow foundation system. Provided the site preparation and earthwork construction recommendations outlined in Section 5.4 of this report are performed, the following parameters may be used for foundation design.

5.3.1 Bearing Pressure

The maximum allowable net soil bearing pressure for use in shallow foundation design should not exceed 2,500 psf. Net bearing pressure is defined as the soil bearing pressure at the foundation bearing level in excess of the natural overburden pressure at that level. The foundations should be designed based on the maximum load which could be imposed by all loading conditions.

Project No.: 26995-008-02
Report No.: 60183.1
Date: November 6, 2006

5.3.2 Foundation Size

The minimum widths recommended for any isolated column footings and continuous wall footings are 24 inches and 18 inches, respectively. Even though the maximum allowable soil bearing pressure may not be achieved, these width recommendations should control the minimum size of the foundations.

5.3.3 Bearing Depth

The exterior foundations should bear at a depth of at least 18 inches below the finished exterior grades and the interior foundations should bear at a depth of at least 12 inches below the finish floor elevation to provide confinement to the bearing level soils. It is recommended that stormwater be diverted away from the building exteriors to reduce the possibility of erosion beneath the exterior footings.

5.3.4 Bearing Material

The foundations may bear in either the compacted suitable natural soils or compacted structural fill. The bearing level soils, after compaction, should exhibit densities equivalent to at least 95 percent of the Modified Proctor maximum dry density (ASTM D 1557). As previously mentioned, very loose surficial sandy soils were encountered in the borings. We recommend improving the soils to a depth of 4 feet using a vibratory roller. Verification of the improvement should be performed using a sand cone penetrometer.

5.3.5 Settlement Estimates

Post-construction settlements of the structures will be influenced by several interrelated factors, such as (1) subsurface stratification and strength/compressibility characteristics; (2) footing size, bearing level, applied loads, and resulting bearing pressures beneath the foundations; and (3) site preparation and earthwork construction techniques used by the contractor. Our settlement estimates for the structures are based on the use of site preparation/earthwork construction techniques as recommended in Section 5.4 of this report. Any deviation from these recommendations could result in an increase in the estimated post-construction settlements of the structures.

Due to the sandy nature of the near-surface soils, we expect the majority of settlement to occur in an elastic manner and fairly rapidly during construction. Using the recommended maximum bearing pressure, the assumed maximum structural loads and the field data which we have correlated to geotechnical strength and compressibility characteristics of the subsurface soils, we estimate that total settlements of the structures could be on the order of one inch or less.

Differential settlements result from differences in applied bearing pressures and variations in the compressibility characteristics of the subsurface soils. Because of the general uniformity of the subsurface conditions and the recommended site preparation and earthwork construction techniques outlined in Section 5.4, we anticipate that differential settlements of the structures should be within tolerable magnitudes ($\frac{1}{2}$ inch or less).

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Date: November 6, 2006

5.3.6 Floor Slab

The floor slab can be constructed as a slab-on-grade member using a modulus of subgrade reaction (K) of 150 pci provided the subgrade materials are compacted as outlined in Section 5.4. It is recommended the floor slab bearing soils be covered with an impervious membrane to reduce moisture entry and floor dampness. A 10-mil thick plastic membrane is commonly used for this purpose. Care should be exercised not to tear large sections of the membrane during placement of reinforcing steel and concrete.

5.4 SITE PREPARATION

We recommend normal, good practice site preparation procedures. These procedures include: compacting the subgrade and placing necessary fill or backfill to grade with engineered fill. A more detailed synopsis of this work is as follows:

1. Prior to construction, the location of any existing underground utility lines within the construction area should be established. Provisions should then be made to relocate interfering utilities to appropriate locations. It should be noted that if underground pipes are not properly removed or plugged, they may serve as conduits for subsurface erosion which may subsequently lead to excessive settlement of overlying structure(s).
2. Strip the proposed construction limits of all grass, roots, topsoil, and other deleterious materials within 5 feet beyond the perimeter of the proposed building areas. Expect typical stripping at this site to depths of 6 to 12 inches. Some isolated areas may require more than a foot of stripping or undercutting to remove the root systems of underbrush or trees.
3. The groundwater level was encountered at depths ranging from 11.5 to 12.5 feet below the existing ground surface at the time of our exploration. The seasonal high groundwater level is estimated to occur at a depth of 5 feet below the existing ground surface encountered during our exploration. If required, temporary groundwater control can probably be achieved by pumping from sumps located in perimeter ditches. Each sump should be located outside the bearing area to avoid loosening of the fine sandy bearing soils.
4. Compact the subgrade from the surface with a medium weight vibratory roller (a 5- to 10-ton roller, static weight and 3- to 5-foot drum diameter) until you obtain a minimum density of at least 95 percent of the Modified Proctor maximum dry density (ASTM D-1557), to a depth of 4 feet below the compacted surface. It should be anticipated that moisture will need to be added to the subgrade in order to achieve the required compaction. Typically, the soils should exhibit moisture contents within ± 2 percent of the Modified Proctor optimum moisture content during compaction. A minimum of eight (8) complete coverages (in perpendicular directions) should be made in the building construction area with the roller to improve the uniformity and increase the density of the underlying sandy soils.

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Report No.: 60183.1
Date: November 6, 2006

Should the bearing level soils experience pumping and soil strength loss during the compaction operations, compaction work should be immediately terminated and (1) the disturbed soils removed and backfilled with dry structural fill soils which are then compacted, or (2) the excess pore pressures within the disturbed soils allowed to dissipate before recompacting.

Care should be exercised to avoid damaging any nearby structures while the compaction operation is underway. Prior to commencing compaction, occupants of adjacent structures should be notified and the existing conditions of the structures be documented with photographs and survey (if deemed necessary). Compaction should cease if deemed detrimental to adjacent structures. Universal Engineering Sciences can provide vibration monitoring services to help document and evaluate the effects of the surface compaction operation on existing structures. In the absence of vibration monitoring it is recommended the vibratory roller remain a minimum of 50 feet from existing structures. Within this zone, use of a bulldozer or a vibratory roller operating in the static mode is recommended.

5. Test the subgrade for compaction at a frequency of not less than one test per 2,500 square feet in the building area, or a minimum of two test locations per building, whichever is greater.
6. Place fill material, as required. The fill should consist of "clean," fine sand with less than 5 percent soil fines. You may use fill materials with soil fines between 5 and 10 percent, but strict moisture control may be required. Typically, the soils should exhibit moisture contents within ± 2 percent of the Modified Proctor optimum moisture content during compaction. Place fill in uniform 10- to 12-inch loose lifts and compact each lift to a minimum density of 95 percent of the Modified Proctor maximum dry density.
7. Perform compliance tests within the fill/backfill at a frequency of not less than one test per 2,500 square feet per lift in the building areas, or at a minimum of two tests per building area, whichever is greater.
8. Test all footing cuts for compaction to a depth of 4 feet. Additionally, we recommend you conduct density testing in every column footing, and every 100 linear feet in wall footings. Recompanction of the foundation excavation bearing level soils, if loosened by the excavation process, can probably be achieved by making several coverages with a light weight walk-behind vibratory sled or roller.

5.5 CONSTRUCTION RELATED SERVICES

We recommend the owner retain Universal Engineering Sciences to perform construction materials tests and observations on this project. Field tests and observations include verification of foundation by performing quality assurance tests on the placement of compacted structural fill. We can also provide concrete testing, pavement section testing, structural steel testing, and general construction observation services.

Project No.: 26995-008-02

Report No.: 60183.1

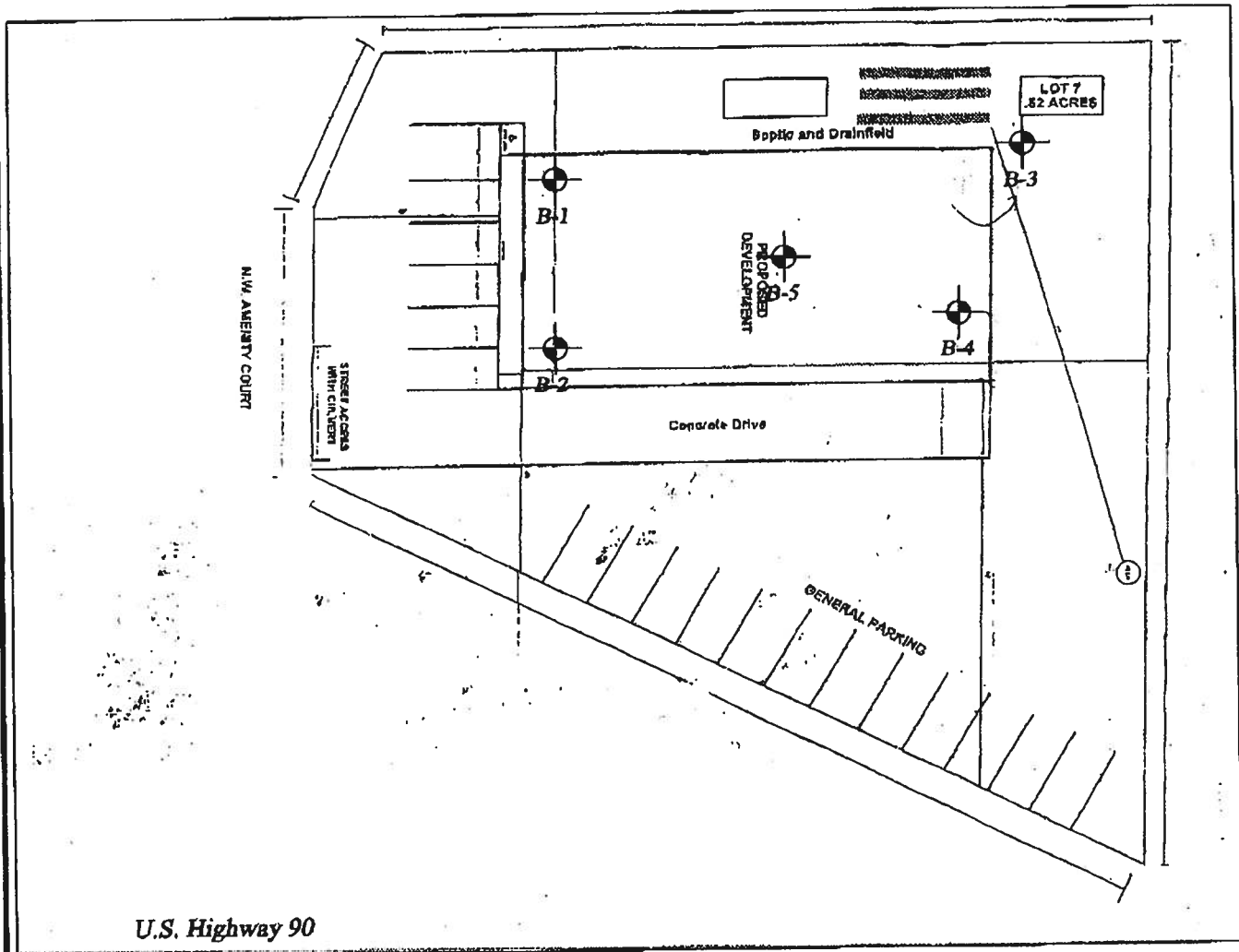
Date: November 6, 2006

The geotechnical engineering design does not end with the advertisement of the construction documents. The design is an on-going process throughout construction. Because of our familiarity with the site conditions and the intent of the engineering design, we are most qualified to address problems that might arise during construction in a timely and cost-effective manner.

6.0 LIMITATIONS

During the early stages of most construction projects, geotechnical issues not addressed in this report may arise. Because of the natural limitations inherent in working with the subsurface, it is not possible for a geotechnical engineer to predict and address all possible problems. An Association of Engineering Firms Practicing in the Geosciences (ASFE) publication, "Important Information About Your Geotechnical Engineering Report" appears in Appendix B, and will help explain the nature of geotechnical issues.

Further, we present documents in Appendix B: Constraints and Restrictions, to bring to your attention the potential concerns and the basic limitations of a typical geotechnical report.



UNIVERSAL
ENGINEERING SCIENCES

**PROPOSED SINGLE-STORY BUILDING
VICINITY OF U.S. HIGHWAY 90 AND N.W. AMENITY COURT
LAKE CITY, COLUMBIA COUNTY, FLORIDA**

BORING LOCATION MAP

DRAWN BY: F.A.	DATE: 11/6/06	CHECKED BY: K.B.	DATE: 11/6/06
SCALE: N.T.S.	FILE NO: 26995-008-02	REPORT NO: 60183.1	PAGE NO: A - 1

No. 3009 P. 15



PAGE: A-2

GS ELEVATION(ft):	DATE STARTED:	11/1/06
WATER TABLE (ft): 12.5	DATE FINISHED:	11/1/06
DATE OF READING: 11/1/06	DRILLED BY:	GILES ENG.
EST. WSWT (ft): NA	TYPE OF SAMPLING:	ASTM D-1586

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT./ DAY)	ORG. CONT. (%)
									LL	PI		
0	X					Very loose light brown SAND [SP]						
	X	1-0-1-4	1		[Dotted Pattern]	Very loose...						
	X	4-3-2-5	5		[Dotted Pattern]	Loose...						
5	X											
	X	2-1-1-2	2			Very loose...						
	X				[Diagonal Lines /]	Loose orange and green clayey SAND [SC]						
	X	2-3-5-8	8		[Diagonal Lines /]	Loose...						
10	X	7-10-10-11	20		[Diagonal Lines /]	Medium dense light tan and green...						
	X											
	X											
	X											
	X											
	X											
	X											
	X											
15	X	10-9-6	15		[Dotted Pattern]	Medium dense brown SAND [SP]						
						Boring Terminated at 15'						



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 26995-008-02

REPORT NO.: 60183

PAGE: A-3

PROJECT: GEOTECHNICAL EXPLORATION
VICINITY OF US HIGHWAY 90 & AMINITY COURT
LAKE CITY, COLUMBIA COUNTY, FLORIDA

BORING DESIGNATION:
SECTION: 28

B-2 SHEET: 1 of 1
TOWNSHIP: 3S RANGE: 16E

CLIENT: CASTANGA CONSTRUCTION

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

GS ELEVATION(ft):

DATE STARTED: 10/31/06

WATER TABLE (ft): 11.5

DATE FINISHED: 10/31/06

DATE OF READING: 11/1/06

DRILLED BY: GILES ENG.

EST. WSWT (ft):

NA

TYPE OF SAMPLING: ASTM D-1586

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT./ DAY)	ORG CONT. (%)
									LL	PI		
0						Very loose light brown SAND [SP]						
		0-2-2-2	4			Very loose...						
		2-1-1-2	2			Very loose...						
5						Very loose...						
		1-1-1-3	2			Loose light tan and orange clayey SAND [SC]						
		2-3-7-7	10			Loose...	48	17				
10		8-8-10-10	18			Medium dense light tan...						
						Medium dense brown SAND [SP]						
15		10-8-8	16			Boring Terminated at 15'						



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 26995-008-02

REPORT NO.: 60183

PAGE: A-4

PROJECT: GEOTECHNICAL EXPLORATION
VICINITY OF US HIGHWAY 90 & AMINITY COURT
LAKE CITY, COLUMBIA COUNTY, FLORIDA

BORING DESIGNATION: **B-3**
SECTION: 28

SHEET: 1 of 1
TOWNSHIP: 3S RANGE: 16E

CLIENT: CASTANGA CONSTRUCTION

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

GS ELEVATION(ft):

DATE STARTED: 11/1/06

WATER TABLE (ft): 12.0

DATE FINISHED: 11/1/06

DATE OF READING: 11/1/06

DRILLED BY: GILES ENG.

EST. WSWT (ft): NA

TYPE OF SAMPLING: ASTM D-1586

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT./ DAY)	ORG CONT. (%)
									LL	PI		
0						Very loose light brown SAND [SP]						
		0-1-2-1	3			Very loose...						
		1-1-1-1	2			Very loose...						
5												
		1-1-2-2	3			Very loose...						
						Loose orange and green to light tan clayey SAND [SC]	46	15	35	13		
		2-3-6-6	8			Loose...						
10												
		7-9-9-9	18			Medium dense...						
						Medium dense brown SAND [SP]						
15		4-10-14	24			Boring Terminated at 15'						



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 26995-008-02

REPORT NO.: 60183

PAGE: A-5

PROJECT: GEOTECHNICAL EXPLORATION
VICINITY OF US HIGHWAY 90 & AMINITY COURT
LAKE CITY, COLUMBIA COUNTY, FLORIDA

BORING DESIGNATION: **B-4** SHEET: 1 of 1
SECTION: 28 TOWNSHIP: 3S RANGE: 16E

CLIENT: CASTANGA CONSTRUCTION
LOCATION: SEE BORING LOCATION PLAN
REMARKS:

GS ELEVATION(ft): DATE STARTED: 10/31/06
WATER TABLE (ft): 11.5 DATE FINISHED: 10/31/06
DATE OF READING: 11/1/06 DRILLED BY: GILES ENG.
EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

DEPTH (FT)	S A M P L E	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT./ DAY)	ORG. CONT. (%)
									LL	PI		
0						Very loose light brown SAND [SP]						
		0-1-1-1	2			Very loose...						
		1-1-1-1	2			Very loose...						
5						Very loose brown and orange clayey SAND [SC]						
		1-2-2-2	4			Very loose...	32	15				
		4-6-7-8	13			Medium dense...						
10		10-7-8-8	15			Medium dense light tan and green...						
						Medium dense brown SAND [SP]						
15		6-6-6	12			Boring Terminated at 15'						



UNIVERSAL ENGINEERING SCIENCES BORING LOG

PROJECT NO.: 26995-008-02

REPORT NO.: 60183

PAGE: A-6

PROJECT: GEOTECHNICAL EXPLORATION
VICINITY OF US HIGHWAY 90 & AMINITY COURT
LAKE CITY, COLUMBIA COUNTY, FLORIDA

BORING DESIGNATION:
SECTION: 28

B-5 SHEET: 1 of 1
TOWNSHIP: 3S RANGE: 16E

CLIENT: CASTANGA CONSTRUCTION

LOCATION: SEE BORING LOCATION PLAN

REMARKS:

GS ELEVATION(ft): DATE STARTED: 10/31/06
WATER TABLE (ft): 11.5 DATE FINISHED: 10/31/06
DATE OF READING: 10/31/06 DRILLED BY: GILES ENG.
EST. WSWT (ft): NA TYPE OF SAMPLING: ASTM D-1586

DEPTH (FT.)	S A M P L E	BLOWS PER 6" INCREMENT	N VALUE	W.T.	S Y M B O L	DESCRIPTION	-200 (%)	MC (%)	ATTERBERG LIMITS		K (FT./ DAY)	ORG. CONT. (%)
									LL	PI		
0						Loose light brown SAND [SP]						
		0-2-4-3	6			Loose...						
		2-2-2-2	4			Medium dense...						
5												
		2-1-2-3	3			Very loose...						
						Loose orange and green clayey SAND [SC]						
		2-3-6-12	9			Loose...						
10		10-10-9-11	19			Medium dense...						
						Medium dense brown SAND, with clayey SAND [SP-SC]						
15		6-6-5	11			Boring Terminated at 15'						

Field Exploration Procedures**Penetration Borings**

Penetration tests were performed in accordance with ASTM Procedure D-1586, Penetration Test and Split-Barrel Sampling of Soils. This test procedure generally involved driving a 1.4-inch I.D. split-tube sampler into the soil profile in six inch increments for a minimum distance of 18 inches using a 140-pound hammer free-falling 30 inches. The total number of blows required to drive the sampler the second and third 6-inch increments was designated as the N-value, and provides an indication of in-place soil strength, density, and consistency.

Laboratory Test Procedures

Percent Fines Content

Certain recovered soil samples were selected to determine the percentage of fines. In this test the soil samples were dried and washed over a No. 200 mesh sieve. The percent of soil by weight passing the sieve was the percentage of fines or portion of the sample in the silt and clay size range. This test was conducted in accordance with ASTM Procedure D-1140, Amount of Material in Soils Finer Than the #200 Sieve.

Atterberg Limits

Certain recovered soil samples were selected for Atterberg Limits testing to determine the soil plasticity characteristics. The soil's Plasticity Index (PI) is the range of moisture content over which the soil deforms as a plastic material. It is bracketed by the Liquid Limit (LL) and the Plastic Limit (PL). The LL is the moisture content at which the soil will flow as a heavy viscous fluid. The PL is the lowest moisture content at which the soil is sufficiently plastic so as to be manually rolled into a 1/8-inch diameter thread. The tests were conducted in accordance with ASTM Procedure D-4318, Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index.

Moisture Content

Certain recovered soil samples were selected to determine the moisture content. These tests were conducted in accordance with ASTM Procedure D-2216. The soil moisture content was the ratio of the weight of water in the soil mass to the dry weight of the soil mass. Moisture content was measured by drying a sample at 105 degrees Celsius. The moisture content was expressed as a percent of the oven dried soil mass.

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS:

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all construction projects; If you were required to have a Site and Development Plan Approval, list SDP number. SUBMITTED
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser is required.
A copy of property deed is also requested. (386) 758-1084
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic tank approval or sewer tap is required SEPTIC # 06-0865-N
4. **City Approval:** If the project is located within the city limits of the Town of Fort White prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of section 8.8 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) has not been established shall meet the requirements of section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. The development permit cost is \$50.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit must be made (\$25.00). Culvert installation for commercial, industrial and other uses shall conform to the approved site plan or to the specifications of a registered engineer. Joint use culverts will comply with Florida Department of Transportation specifications. If the project is to be located on a F.D.O.T. maintained road, then an F.D.O.T. access permit is required.
7. **Suwannee River Water Management District Approval:** All commercial projects must have an SRWMD permit issued or an exemption letter, before a building will be issued.

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE - TIME WILL NOT ALLOW THIS - PLEASE DO NOT ASK

Commercial Jobs - \$5.00 Per thousand dollars of cost of construction.

Plus - 75.00 zoning fee.

COLUMBIA COUNTY BUILDING DEPARTMENT

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 WITH AMENDMENTS

ALL REQUIREMENTS LISTED ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INCLUDE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 WITH AMENDMENTS BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SIGNATURE AND SEAL OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA. THE FOLLOWING BASIC WIND SPEED AS PER SECTION 1606 SHALL BE USED.

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing a floor plan, site plan, foundation plan, floor/roof framing plan or truss layout, wall sections and all exterior elevations with the following criteria and documents:

<u>Applicant</u>	<u>Plans Examiner</u>	
<input type="checkbox"/>	<input type="checkbox"/>	All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
<input type="checkbox"/>	<input type="checkbox"/>	Designers name and signature on document (FBC 104.2.1) If licensed architect or engineer, official seal shall be affixed.
<input type="checkbox"/>	<input type="checkbox"/>	<u>Two (2) Copies of Approved Site Plan</u>
<input type="checkbox"/>	<input type="checkbox"/>	<u>Minimum Type Construction (FBC Table 500)</u>
<input type="checkbox"/>	<input type="checkbox"/>	<u>Wind Load Engineering Summary, calculations and any details required:</u> a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC <ol style="list-style-type: none">1. Basic wind speed (MPH)2. Wind importance factor (I) and building category3. Wind exposure -- if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated4. The applicable internal pressure coefficient5. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
<input type="checkbox"/>	<input type="checkbox"/>	<u>Fire Resistant Construction Requirements shall include:</u> a) Fire resistant separations (listed system) b) Fire resistant protection for type of construction c) Protection of openings and penetrations of rated walls (listed systems) d) Fire blocking and draft-stopping e) Calculated fire resistance
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	

Accessibility Requirements shall include:

- a) Site requirements
- b) Accessible route
- c) Vertical accessibility
- d) Toilet and bathing facilities
- e) Drinking fountains
- f) Equipment
- g) Special occupancy requirements
- h) Fair housing requirements

Interior Requirements shall include:

- a) Interior finishes (flame spread/smoke develop)
- b) Light and ventilation
- c) Sanitation

Special Systems shall include:

- a) Elevators
- b) Escalators
- c) Lifts

Swimming Pools – Commercial – Plans shall be signed and sealed by a Professional Engineer registered in the State of Florida and approved by the Department of Business and Professional Regulation/Health Department indicating compliance with the Florida Administrative Code, Chapter 64E-9 And Section 424 of the Florida Building Code

Electrical:

- a) Electrical wiring, services, feeders and branch circuits, over-current protection, grounding, wiring methods and materials, GFCIs
- b) Equipment
- c) Special Occupancies
- d) Emergency Systems
- e) Communication Systems
- f) Low Voltage
- g) Load calculations
- h) Riser diagram

Plumbing:

- a) Minimum plumbing facilities
- b) Fixture requirements
- c) Water supply piping
- d) Sanitary drainage
- e) Water heaters
- f) Vents
- g) Roof drainage
- h) Back flow prevention
- i) Irrigation
- j) Location of water supply
- k) Grease traps
- l) Environmental requirements
- m) Plumbing riser

Fire Suppression Systems shall include: (To be reviewed by Fire Department)

- a) Fire sprinklers
- b) Fire alarm system (early warning) with name of licensed installer. If not shown on plans or not known at time of permitting, a separate permit shall be required by the licensed installer
- c) Smoke evacuation system schematic
- d) Stand-pipes
 - Pre-engineered system
 - Riser diagram

Life Safety Systems shall include: (To be reviewed by Fire Department)

- a) Occupancy load and egress capacity
- b) Early warning
- c) Smoke control
- d) Stair pressurization
- e) Systems schematic

Occupancy Load/Egress Requirements shall include:

- a) Occupancy load (gross and net)
- b) Means of egress
 - exit access, exit and exit discharge
- c) Stair construction/geometry and protection
- d) Doors
- e) Emergency lighting and exit signs
- f) Specific occupancy requirements
 - 1. Construction requirements
 - 2. Horizontal exits/exit passageways

Structural Requirements shall include:

- a) Soil conditions/analysis
- b) Show type of termite treatment (termicide or alternative method)
- c) Design loads
- d) Wind requirements
- e) Building envelope
- f) Structural calculations
- g) Foundations
- h) Wall systems
- i) Floor systems
- j) Roof systems
- k) Threshold inspection plan (if applicable)
- l) Stair systems

Materials shall include:

- a) Wood
- b) Steel
- c) Aluminum
- d) Concrete
- e) Plastic
- f) Glass (mfg. Listing for wind zone including details for installation and attachments)
- g) Masonry
- h) Gypsum board and plaster
- i) Insulating (mechanical)
- j) Roofing (mfg. Listed system for wind zone with installation and attachments)
- k) Insulation

NOTE: WE ARE
JUST APPLYING FOR
FOUNDATION PERMIT.

BUILDING PERMIT
TO BE TURNED IN
NEXT WEEK.

Mechanical:

- a) Energy calculation (signed and sealed by Architect or Engineer, registered in the State of Florida)
- b) Exhaust systems (clothes dryer exhaust, kitchen equipment exhaust, Specialty equipment exhaust)
- c) Equipment
- d) Equipment location
- e) Make-up air
- f) Roof mounted equipment
- g) Duct systems
- h) Ventilation
- i) Combustion air
- j) Chimneys, fireplaces and vents
- k) Appliances
- l) Boilers
- m) Refrigeration
- n) Bathroom ventilation
- o) Laboratory

Gas:

- a) Gas piping
- b) Venting
- c) Combustion air
- d) Chimney's and vents
- e) Appliances
- f) Type of gas
- g) Fireplaces
- h) LP tank locations
- i) Riser diagram/shut offs

Disclosure Statement for Owner Builders

*****Notice of Commencement Required Before Any Inspections will be Done**

Private Potable Water:

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

ITEM
1**GREGORY S. BARFIELD, PE**

P. O. Box 990
2149 Nell Purvis Rd
Adel, GA 31620
WORK (229) 896-4828
HOME (229) 896-1177
FAX (229) 896-1187

October 25, 2006

Chris Cox
Costagna Construction, Inc.
P. O. Box 1867
Lake City, FL 32056

Dear Chris,

This letter is in regards to the design of the concrete foundation for your pre-engineered building that was purchased from Steel Building Systems, Inc. (SBS job # 06-07-175). The following was used in designing the foundation:

Basic Wind Speed (3-second gust): 110 mph

Wind Importance Factor: 1.00

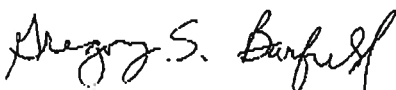
Wind Exposure: B

Enclosure Classification: closed

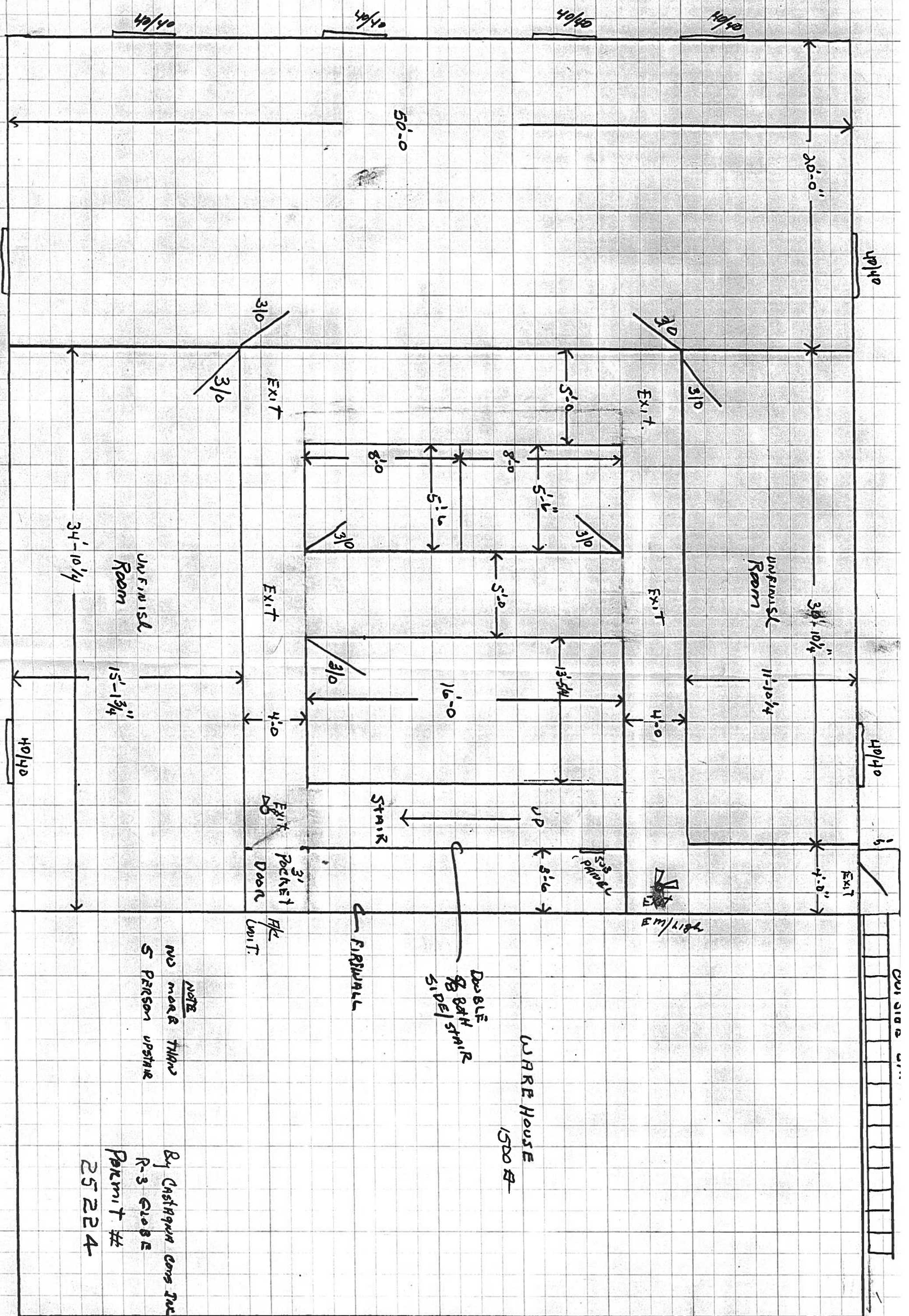
Design Wind Pressure/ Suction:

<u>Component</u>	<u>Wind Pressure</u>	<u>Wind Suction</u>	<u>Wind-Longitudinal</u>
column	17.5 (psf)	-19.2 (psf)	
girt / header	17.5 (psf)	-19.2 (psf)	
wall panel	21.7 (psf)	-29.1 (psf)	
jamb	17.5 (psf)	-19.2 (psf)	
parapet	33.2 (psf)	-20.3 (psf)	
purlins	10.0 (psf)	-18.1 (psf)	
gable extensions	0.0 (psf)	-40.5 (psf)	
roof panels	12.5 (psf)	-19.9 (psf)	
long. bracing, building	7.4 (psf)	-5.3 (psf)	-12.7 (psf)
long. bracing, wall edge zone	11.2 (psf)	-7.9 (psf)	
long. bracing, fascia / parapet	33.2 (psf)	-20.3 (psf)	14.7 (psf)

Sincerely,



Gregory S. Barfield, PE



WARE HOUSE
1500 A

DOUBLE
BATH STAIR
SIDE

Stair

4. Final

EXIT
DOOR

NOTE
no more than
5 PERSON upstairs

By Castagna Cons Inc
R-3 Globe
Permit #

25224

BUILDING CRITERIA	
Width (ft)	= 50.0
Length (ft)	= 100.0
Eave Height (ft)	= 20.0/20.0
Roof Slope (Rise/12)	= 3.0/3.0
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 04
Exposure	= B
Closed/Open/Partial	= C
Importance - Wind	= 1.00
Importance - Seismic	= 1.00
Seismic Zone	= A
Seismic Coeff (Fa*Ss)	= 0.22

NOTES TO ERECTOR/OWNER:

- [1] "SBS" IS NOT RESPONSIBLE FOR THE ERECTION OF THE BUILDING, THE SUPPLY OF ANY TOOLS OR EQUIPMENT, OR ANY OTHER FIELD WORK UNLESS "SBS" HAS BEEN CONTRACTED FOR THESE. "SBS" DOES NOT PROVIDE ANY FIELD SUPERVISION FOR THE ERECTION OF THE BUILDING, NOR DOES "SBS" PERFORM ANY INSPECTIONS DURING OR AFTER ERECTION.
- [2] USE ONLY THE ERECTION DRAWINGS PROVIDED BY "SBS" AND INCLUDED IN THE ERECTOR'S PACKAGE DELIVERED BY THE TRUCK DRIVER WITH THE BUILDING. "SBS" IS NOT LIABLE FOR ANY CLAIM RESULTING FROM THE USE OF OTHER DRAWINGS.
- [3] CHECK SLAB AND ANCHOR BOLT PLACEMENTS BEFORE STANDING ANY FRAMING. IF THE SLAB IS NOT SIZED CORRECTLY OR IS OUT OF SQUARE, OR IF THE ANCHOR BOLTS ARE NOT CORRECTLY LOCATED, CALL "SBS". "SBS" IS NOT LIABLE FOR LABOR CHARGES RESULTING FROM STANDING FRAMING ON AN INCORRECT SLAB.
- [4] BEGIN ERECTION WITH A BRACED BAY. INSTALL THE EAVE STRUTS FIRST AND THEN THE PURLINS WHICH FALL AT THE CABLE ATTACHMENT POINTS. NEXT, INSTALL ROOF AND WALL CABLES TO A SNUG CONDITION, SO THAT THE FRAMING IS BRACED. FINISH INSTALLING PURLINS AND GIRTS IN THE BRACED BAY. USING THE THE CABLE BRACING, SQUARE AND PLUMB THE FRAMING. CONTINUE WITH REMAINING BAYS, INSTALLING BRACING AS ADDITIONAL BRACED BAYS ARE ERECTED.
- [5] THE CORRECTION OF MINOR MISFITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS INTO LINE, MODERATE AMOUNTS OF REAMING, CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORT-AGES OF MATERIAL ARE A NORMAL PART OF ERECTION AND ARE NOT SUBJECT TO CLAIM. CONTACT "SBS" BEFORE MAKING ANY FIELD MODIFICATION TO THE BUILDING. "SBS" DOES NOT PAY CLAIMS FOR ERROR CORRECTION UNLESS APPROVED IN WRITING BY "SBS" BEFOREHAND.

REVISIONS
[1] 09/06/2006
[2]
[3]
[4]
[5]

FOR :
COSTAGNA CONSTRUCTION, INC.
FRANK PROJECT
P.O. BOX 1867
LAKE CITY, FLORIDA 32056
LOCATION: LAKE CITY, FLORIDA

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

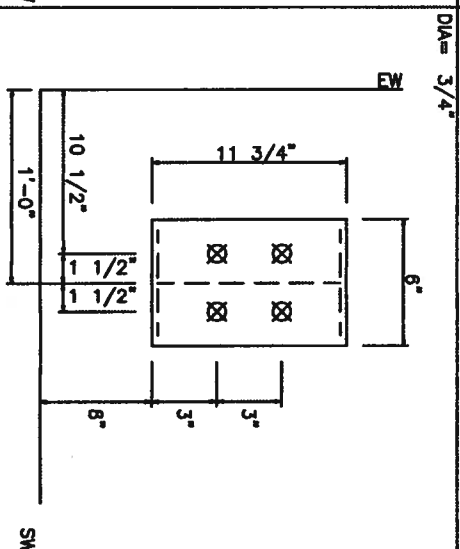
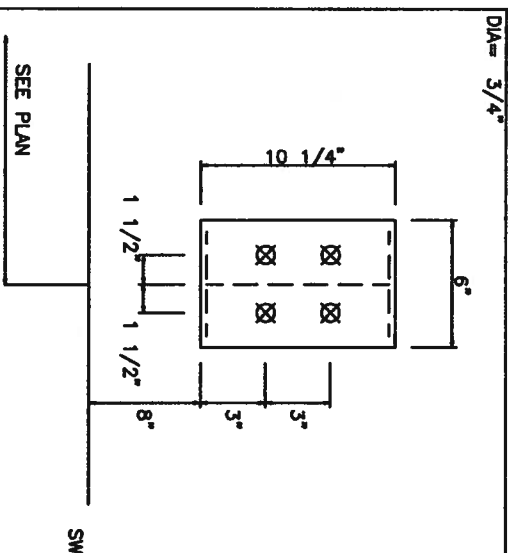
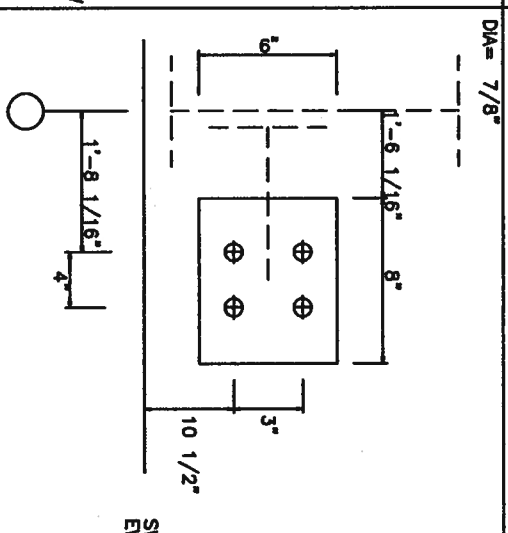
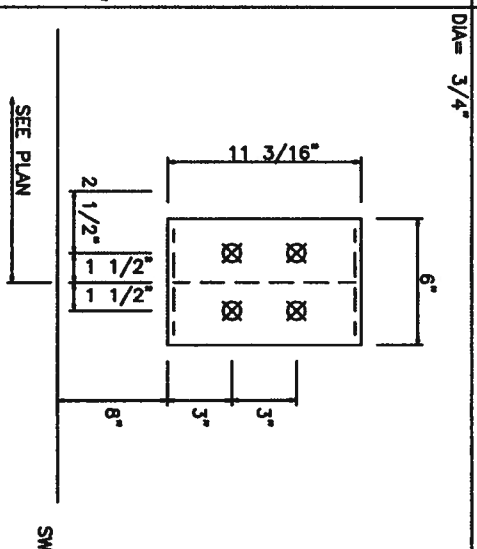
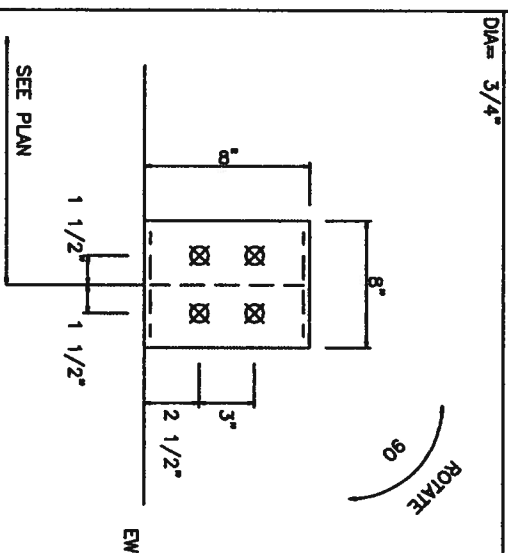
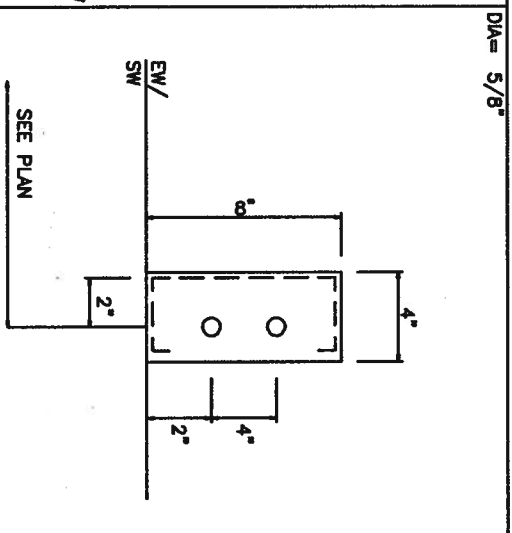
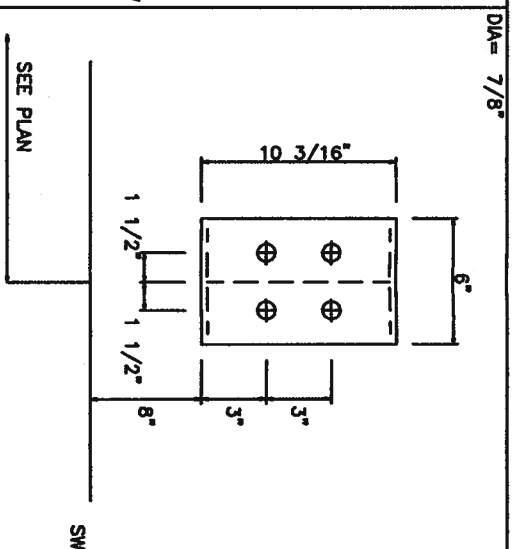
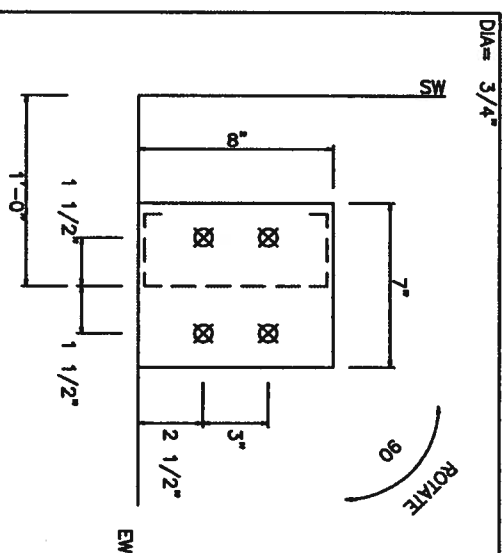



FROM :
STEEL BUILDING SYSTEMS, INC.
320 STEVEN LANE - P.O. BOX 447
ADEL, GEORGIA 31620
PH(229)896-7428 FAX(229)896-2881

STRUCTURAL STAMP

JOB NO : 06-07-175
DATE : 07/13/2006
BY : MSS SCALE : NONE
TITLE : COVER PAGE
NUMBER :

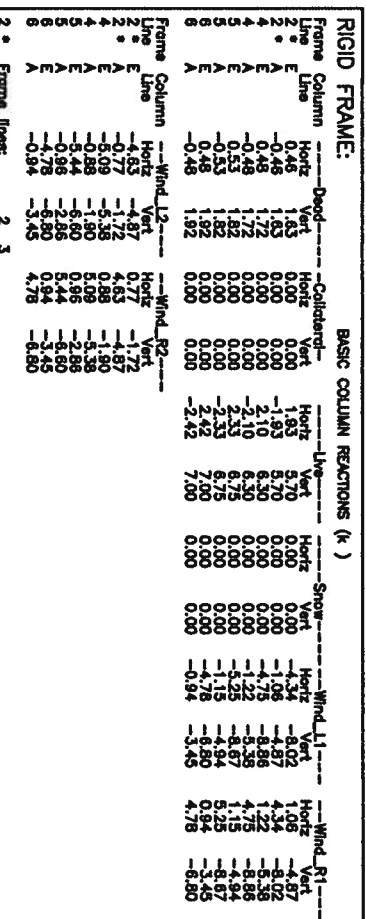
Office copy



 STEEL BUILDING SYSTEMS, INC.			
CUSTOMER:			
COSTAGNA CONSTRUCTION, INC.			
JOB NO:		DATE:	
06-07-175		7/13/06	
REVISIONS			
[1]	LOCATION:		SCALE:
	LAKE CITY, FLORIDA		
[2]	DRAWING NAME:		
	ANCHOR BOLT DETAILS		NONE
[3]	DRAWING NO:	DRAWN BY:	CHECKED BY:
	PAGE 1.1	MSS	HEF

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

STRUCTURAL STAMP



ENDWALL COLUMN: REACTIONS, ANCHOR BOLTS, & BASE PLATES																
Frm Line	Col Line	Dead Vert	Coll Vert	Live Vert	Column Reactions (k)				Out-Of-Plane		Anc. Bolt MO(ksi)	Base Plate (in) Wld	Lam	Thk.	Crest (in)	
					Wind-Left Horiz Vert	Wind-Right Horiz Vert	Wd P Horiz	Wd S Horiz								
1	E	0.2	0.0	0.6	0.0	-0.7	0.0	-0.5	0.0	0.0	4	0.750	7.000	8.000	0.250	0.0
2	E	1.0	0.0	4.0	0.0	-4.0	0.0	-2.8	-3.2	3.6	4	0.750	8.000	8.000	0.250	0.0
3	B	1.1	0.0	4.2	0.0	-3.1	0.0	-4.1	-3.7	4.0	4	0.750	8.000	8.000	0.250	0.0
4	A	0.2	0.0	0.8	0.0	-0.7	0.0	-0.1	0.0	0.0	4	0.750	7.000	8.000	0.250	0.0

ENDWALL COLUMN:												
MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES												
Firm Line	Col Line	Load Id	Reactions (k)			Anc. Bolt No Ddn	Base Plate Wld	Graft		Graft (in)		
			H	V	M			Thk	Len			
5	B	0.4	0.0	0.0	0.0	0.0	0.0	4	0.750	8,000	8,000	0.250
5	B	0.4	0.0	0.0	0.0	-3.3	0.0	4	0.750	8,000	8,000	0.250
5	E	0.1	0.0	0.0	0.0	0.0	0.0	2	0.750	7,000	8,000	0.250

[illegible]

	± Reactions (k)		Panel Shear										
	Wind	Saltwater	Wind	Saltwater									
1	2	7.6	0.4	11	0.4	4	0.750	8,000	0.250	0.0			
2	5	12	4.8	0.4	11	-4.4	0.4	4	0.750	8,000	0.250	0.0	
3	5	E	12	0.0	0.1			2	0.750	7,000	8,000	0.250	0.0

	Bracing Not Used	0
LEW 1		
LEW 2		
LEW 3		
LEW 4		
LEW 5		
LEW 6		
LEW 7		
LEW 8		
LEW 9		
LEW 10		
LEW 11		
LEW 12		
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LEW 99		
LEW 100		

- ANCHOR BOLT SUMMARY**

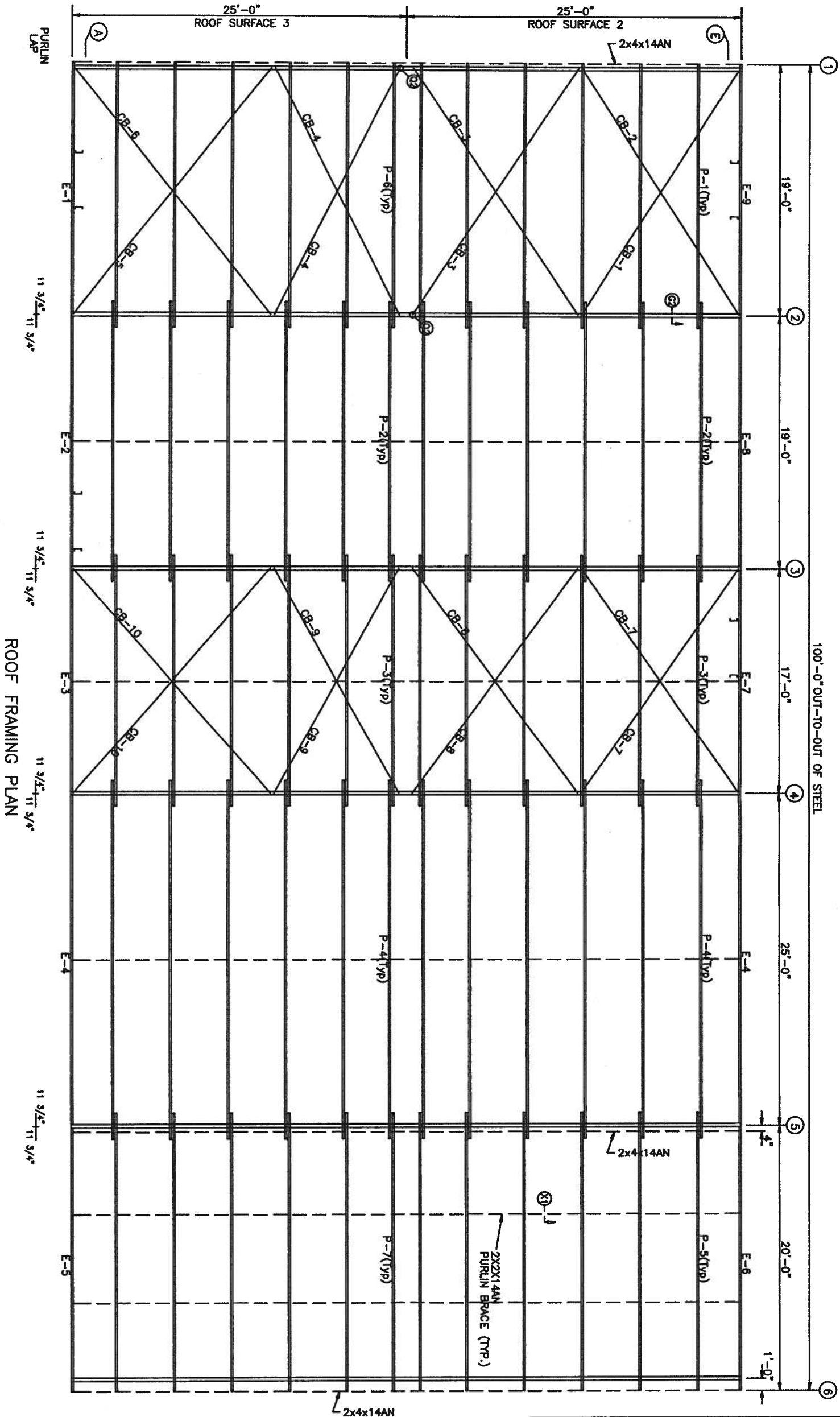
- | Qty | Loc | Dwg
(in) | Projection
(in) |
|-----|-----|-------------|--------------------|
| 24 | D1 | 5/8" | 1.50 |
| 24 | GW | 3/4" | 1.50 |
| 24 | RF | 3/4" | 2.50 |
| 8 | WF | 7/8" | 2.50 |

- | | | | | |
|------|---|---|---|-----------|
| F_SW | A | 4 | L | Wind |
| B_SW | E | 4 | R | Staircase |
| | | | | Rid |
| | | | | Staircase |

STRUCTURAL STAMP

ROY A. SPIKER
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TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

MEMBER TABLE			
ROOF PLAN			
MARK	PART	LENGTH	
P-1	8x25x16	19'-11 1/2"	
P-2	8x25x16	20'-11 1/2"	
P-3	8x25x14	18'-11 1/2"	
P-4	8x25x14	26'-11 1/2"	
P-5	8x25x14	20'-11 1/2"	
P-6	8x25x16	19'-11 1/2"	
P-7	8x25x14	20'-11 1/2"	
E-1	8ES14x3	18'-11 1/2"	
E-2	8ES14x3	16'-11 1/2"	
E-3	8ES14x3	24'-11 1/2"	
E-4	8ES14x3	19'-11 1/2"	
E-5	8ES14x3	19'-11 1/2"	
E-6	8ES14x3	16'-11 1/2"	
E-7	8ES14x3	18'-11 1/2"	
E-8	8ES14x3	18'-11 1/2"	
E-9	8ES14x3	21'-10 1/8"	
CB-1	1/4 CBL	21'-3"	
CB-2	1/4 CBL	22'-4 15/16"	
CB-3	1/4 CBL	22'-10 5/8"	
CB-4	1/4 CBL	22'-10 5/8"	
CB-5	1/4 CBL	22'-10 5/8"	
CB-6	1/4 CBL	23'-7 3/16"	
CB-7	1/4 CBL	19'-4 3/4"	
CB-8	1/4 CBL	21'-0 1/2"	
CB-9	1/4 CBL	19'-4 9/16"	
CB-10	1/4 CBL	20'-11 7/8"	



STRUCTURAL STAMP

ROY A. SPIKER
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FLA. P.E. REG. NO. 42289

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:
COSTAGNA CONSTRUCTION, INC.

JOB NO.: 06-07-175
DATE: 7/13/06

LOCATION:
LAKE CITY, FLORIDA

DRAWING NAME:
ROOF FRAMING LAYOUT

DRAWING NO.: PAGE 2
DRAWN BY: MSS
CHECKED BY:

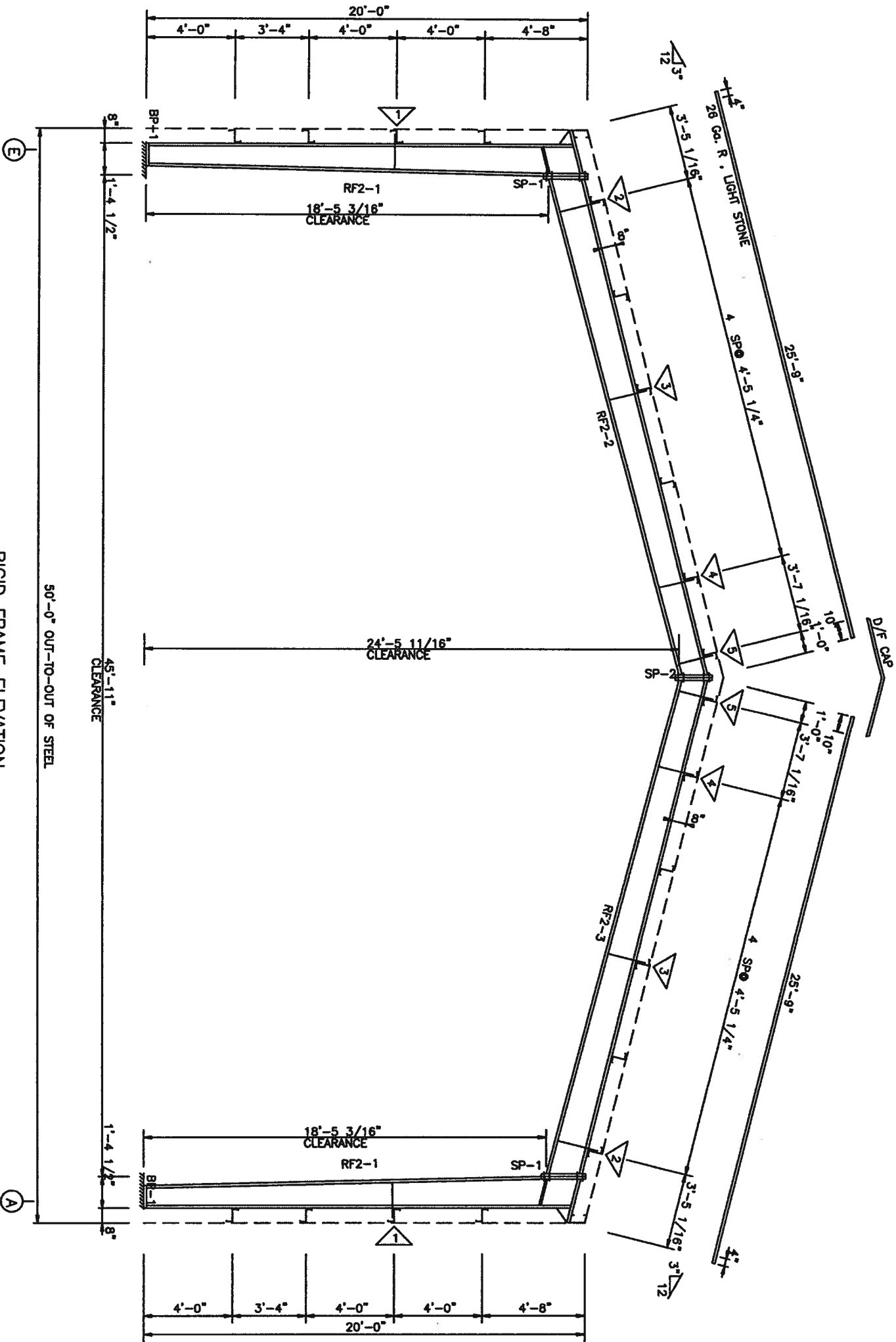
Signature

FLANGE BRACE TABLE		
FRAME LINE 4		
V/D SIDES	MARK	LENGTH
1	FB7	2'-5 7/16"
2	FB7	2'-5 7/16"
3	FB8	2'-5 1/2"
4	FB4	2'-5 1/16"
5	FB1	2'-4 11/16"

SPURCE BOLTS		
SPURCE MARK	QUAN	-----BOLT-----
TOP/BOT	INT	TYPE DIA LEN
SP-1	4	4 0 A325 3/4" 2 1/2"
SP-2	4	4 0 A325 3/4" 2 1/2"

BASE PLATES		
COL ID	WID THICK	PLATE SIZE Length
BP-1	6" 5/8"	10 1/4"

MEMBER SIZE TABLE		
PIECE	WEB DEPTH SPLAT/END THICK	THICK PLATE
RF2-1	5.7/16.0	0.134 19'-8 15/16"
RF2-2	16.0/12.6	0.134 19'-11"
RF2-3	12.6/12.0	0.134 3'-11 1/16"
	12.0/12.6	0.134 3'-11 1/16"
	12.6/16.0	0.134 19'-11"



RIGID FRAME ELEVATION
FOR FRAME LINE 4

CUSTOMER: SBS STEEL BUILDING SYSTEMS, INC.		
COSTAGNA CONSTRUCTION, INC.		
JOB NO:	06-07-175	DATE:
LOCATION:	LAKE CITY, FLORIDA	
DRAWING NAME:	RIGID FRAME CROSS SECTION	SCALE:
DRAWING NO:	PAGE 2.2	DRAWN BY: MSS
		CHECKED BY:

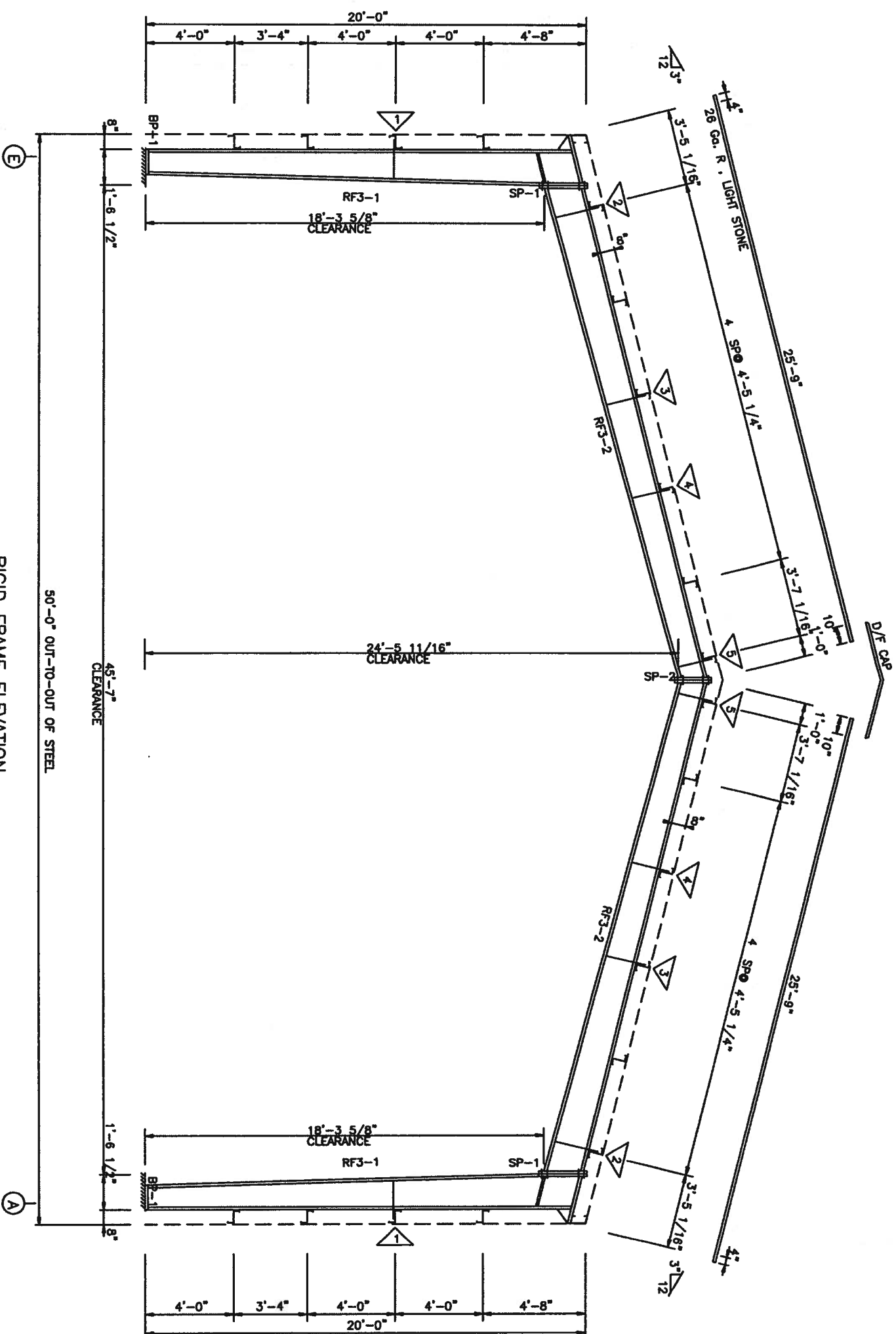
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ROY A. SPIKER
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FLA. P.E. REG. NO. 42289

PLANCE BRACE TABLE			
FRAME LINE 5			
DIVID	SIDES	MARK	LENGTH
1	1	FB12	2'-6 1/4"
2	1	FB16	2'-7 8/16"
3	1	FB13	2'-6 5/16"
4	1	FB9	2'-5 1/16"
5	1	FB2	2'-4 3/4"

SPUCE BOLTS		QUIN		BOLT	
SPUCE MARK	TOP/BOT	INT TYPE	DIA	LEN	
SP-1	4	4	A325	3/4"	2 1/2"
SP-2	4	4	A325	5/8"	2 1/2"

BASE PLATES	
COLOR	PLATE SIZE
ID	WID THICK Length
BP-1	6" 1/2" 11 1/4"

[illegible]

 STEEL BUILDING SYSTEMS, INC.	
CUSTOMER:	
COSTAGNA CONSTRUCTION, INC.	
JOB NO.	DATE:
06-07-175	7/27/06
REVISIONS	
[1]	LOCATION: LAKE CITY, FLORIDA
[2]	DRAWING NAME: RIGID FRAME CROSS SECTION
[3]	DRAWING NO.: PAGE 2.3
	DRAWN BY: MSS
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RIGID FRAME ELEVATION
FOR FRAME LINE 5

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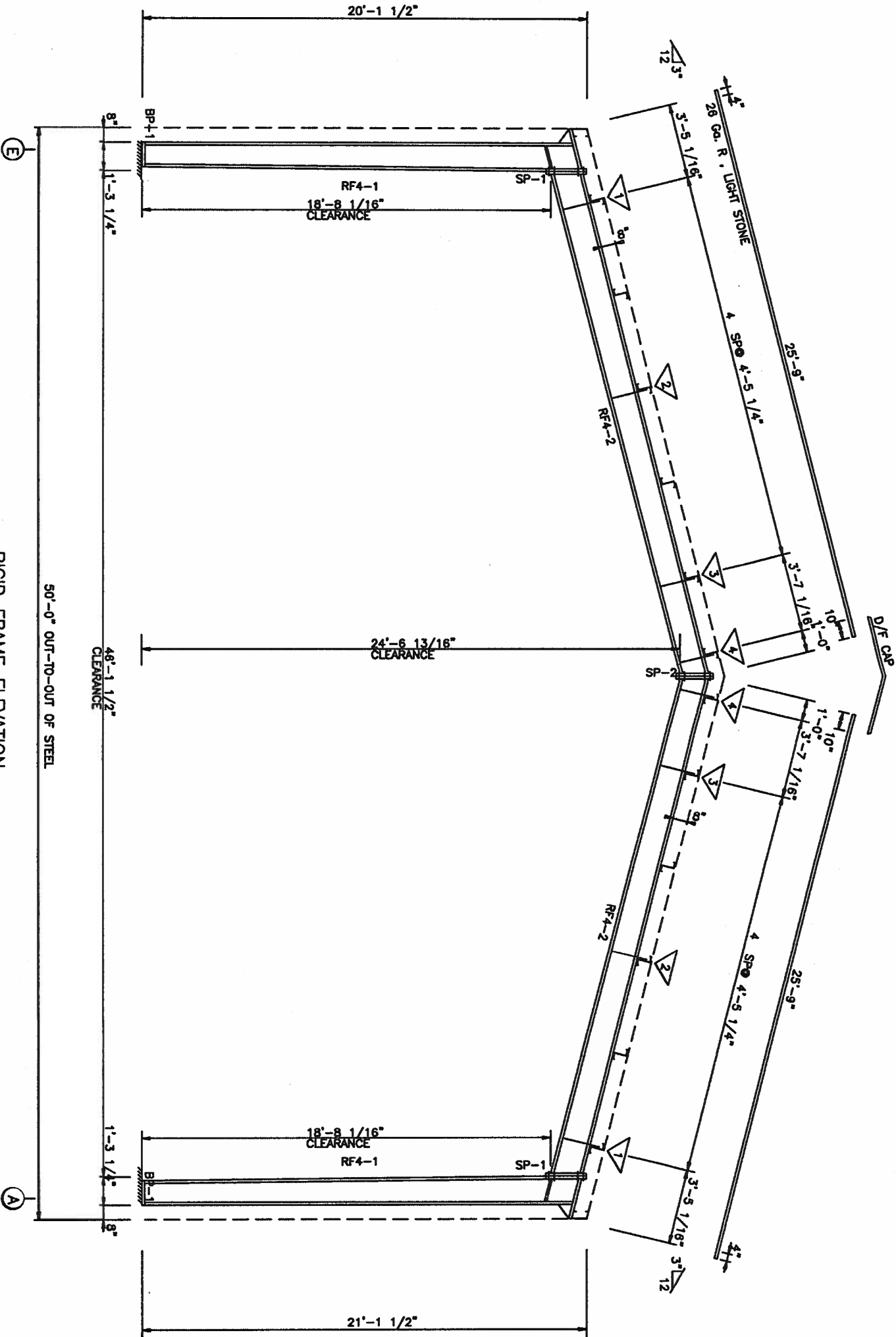
STRUCTURAL STAMP

FLANGE BRACE TABLE		
FRAME LINE 6		
VID	SIZES	MARK
1	1	FB8
2	1	FB6
3	1	FB3
4	1	FB1
		2'-5 1/2"
		2'-5 3/16"
		2'-4 13/16"
		2'-4 11/16"

SPURCE BOLTS		
SPURCE	QUAN	-----BOLT-----
MARK	TOP/BOT/INT	TYPE DIA LEN
SP-1	4	0 A325 1" 3 1/2"
SP-2	4	0 A325 5/8" 2 1/2"

BASE PLATES	
COL	PLATE SIZE
ID	WID THICK Length
BP-1	6" 1/2" 11 3/4"

MEMBER SIZE TABLE		
PIECE	WEB DEPTH START/END	WEB PLATE THICK LENGTH
RF4-1	10.5/14.0	0.134 18'-2 15/16"
	14.0/14.0	0.186 1'-6 13/16"
RF4-2	14.0/12.3	0.134 19'-11"
	12.3/12.0	0.134 3'-11 11/16"
		5x5/8" x18'-6 1/8"
		5x5/8" x1'-0 3/16"
		5x1/4" x19'-0"
		5x1/4" x18'-3"



RIGID FRAME ELEVATION
FOR FRAME LINE 6

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:
COSTAGNA CONSTRUCTION, INC.

JOB NO.: 06-07-175 DATE: 7/27/06

LOCATION:
LAKE CITY, FLORIDA

DRAWING NAME:
RIGID FRAME CROSS SECTION

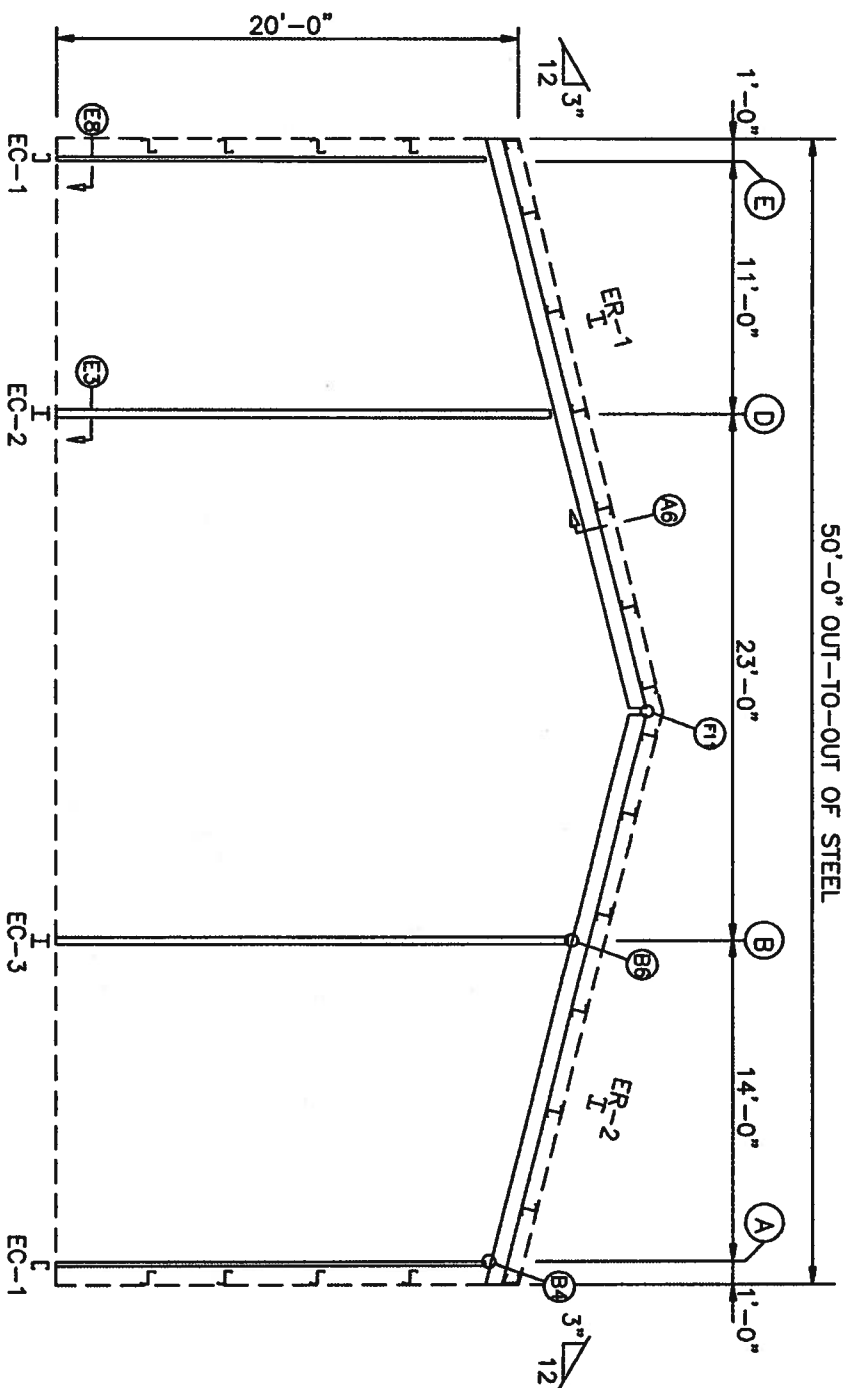
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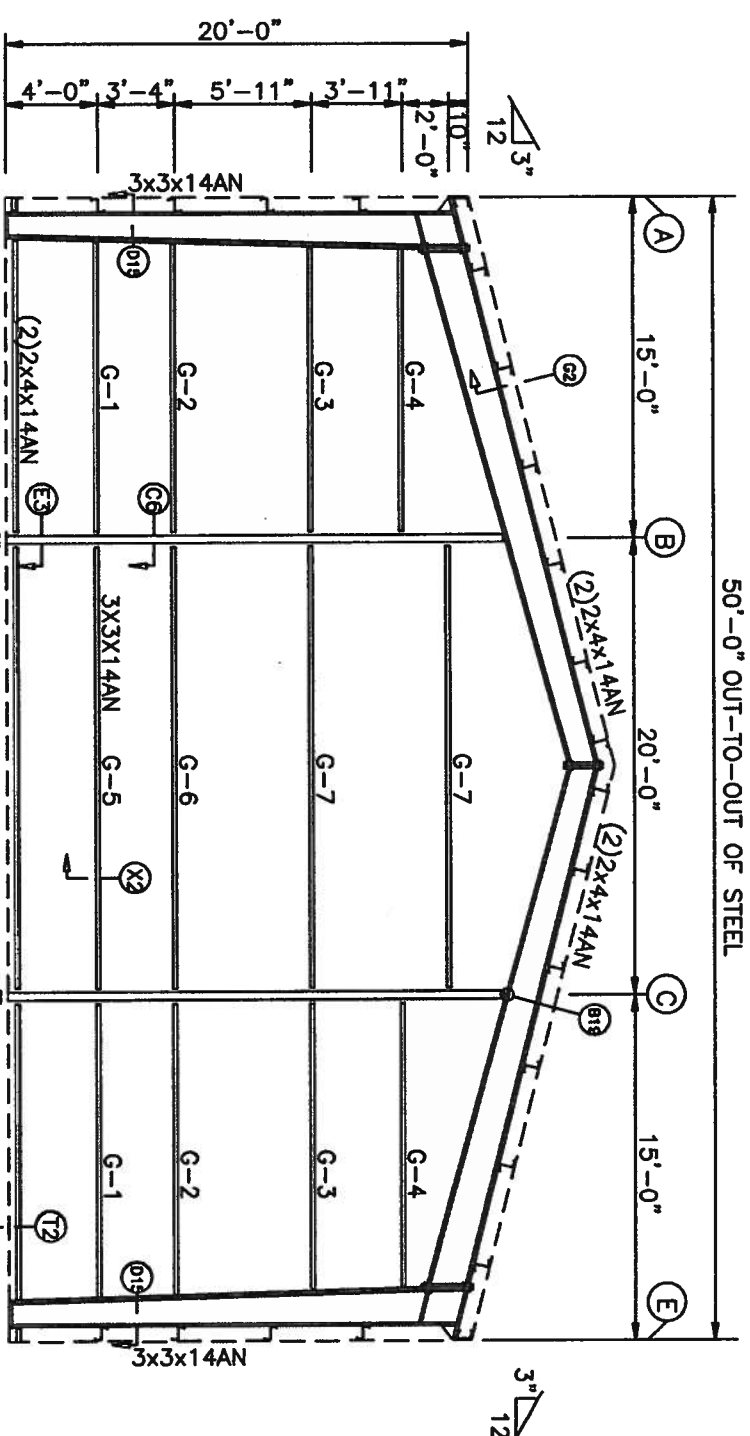
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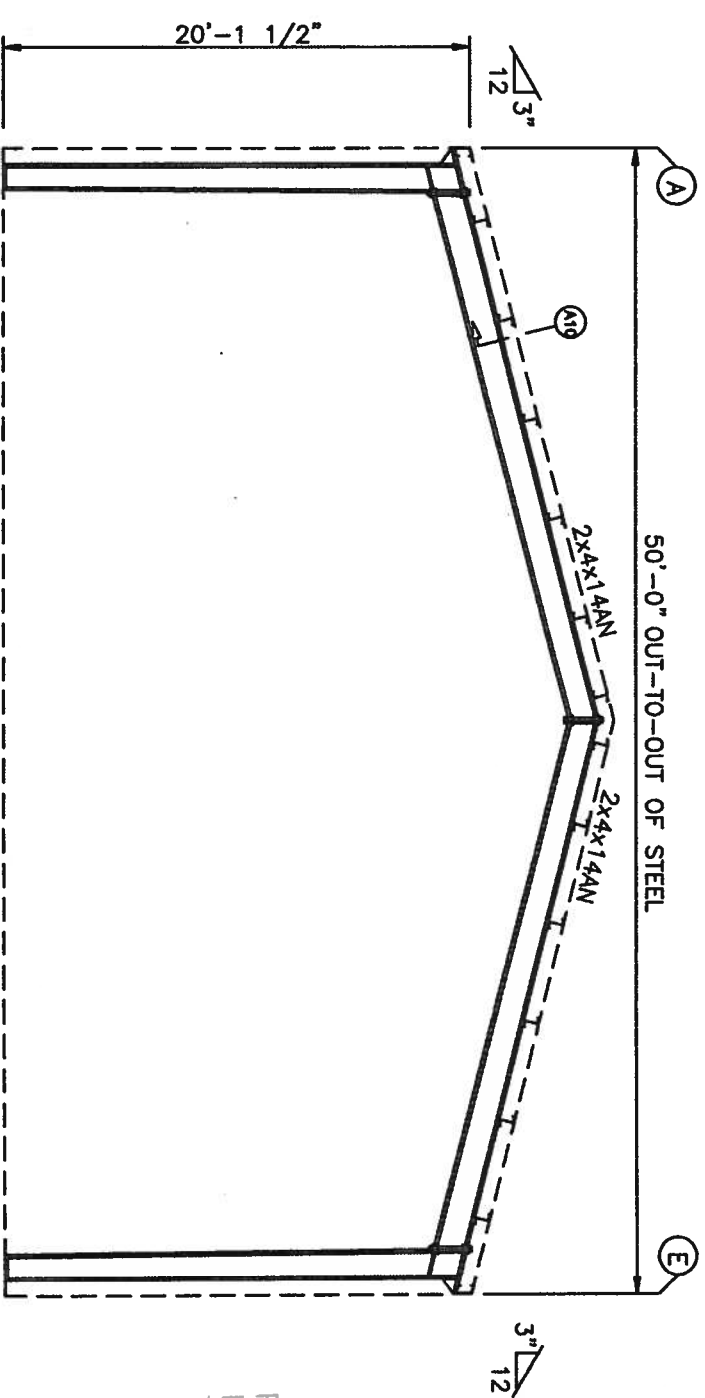
ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289



ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 5



ENDWALL FRAMING: FRAME LINE 6

BOLT TABLE			
FRAME LINE 1 & 5	QUAN	TYPE	DIA
ER-1/ER-2	8	A325	5/8"
Columns	2	A325	5/8"

MEMBER TABLE			
FRAME LINE 1 & 5	PART	LENGTH	LENGTH
EC-1	8X35C14	18'-7 1/2"	1 1/2"
EC-2	8X18.6	21'-4 1/2"	1 1/2"
EC-3	8X20.4	22'-1 1/2"	1 1/2"
EC-4	8X16	21'-9 1/8"	1 1/8"
EC-5	8X16	21'-9 1/8"	1 1/8"
ER-1	8X7DC12	25'-11"	1 1/2"
ER-2	8X7DC12	25'-11"	1 1/2"
G-1	8X25Z16	12'-10 11/16"	1 1/16"
G-2	8X25Z16	12'-9 5/16"	5/16"
G-3	8X25Z16	12'-6 15/16"	15/16"
G-4	8X25Z16	12'-5 5/16"	5/16"
G-5	8X25Z16	19'-3 1/2"	1 1/2"
G-6	8X25Z14	19'-3 1/2"	1 1/2"
G-7	8X25Z12	19'-3 1/2"	1 1/2"

ROY A. SPIKER
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STRUCTURAL STAMP

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER: COSTAGNA CONSTRUCTION, INC.

JOB NO: 06-07-175 DATE: 7/13/06

LOCATION: LAKE CITY, FLORIDA

DRAWING NAME: ENDWALL FRAMING LAYOUT

DRAWING NO: PAGE 4

SCALE: NONE

CHECKED BY: MSS

Handwritten signature

<p>DETAIL A6</p> <p>PURLIN TO ENDWALL RAFTER</p>	<p>DETAIL A10</p> <p>PURLIN TO ENDWALL RAFTER</p>	<p>DETAIL B4</p> <p>CEE COLUMN / RAFTER CONNECTION</p>	<p>DETAIL B6</p> <p>BUILT-UP COLUMN / RAFTER CONNECTION</p>
<p>DETAIL B19</p> <p>MAINFRAME RAFTER / COLUMN CONNECTION</p>	<p>DETAIL C6</p> <p>ENDWALL GIRTS TO INTERIOR COLUMN</p>	<p>DETAIL D15</p> <p>GIRT CONNECTIONS AT PARTITION WALL</p>	<p>DETAIL E3</p> <p>ENDWALL COLUMN BASE DETAIL</p>

ROY A. SPIKER
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SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER: COSTAGNA CONSTRUCTION, INC.

JOB NO: 06-07-175

DATE: 7/13/06

LOCATION: LAKE CITY, FLORIDA

DRAWING NAME: FRAMING DETAILS

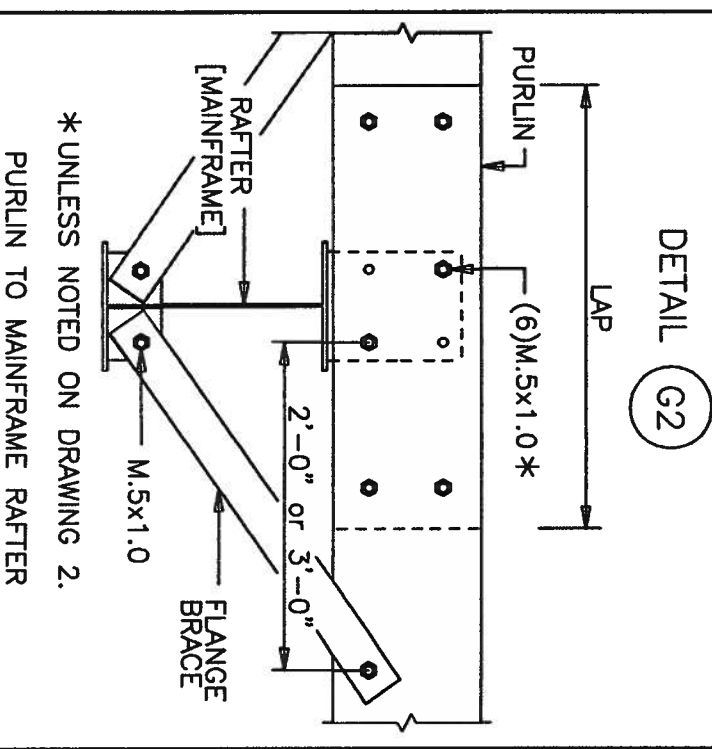
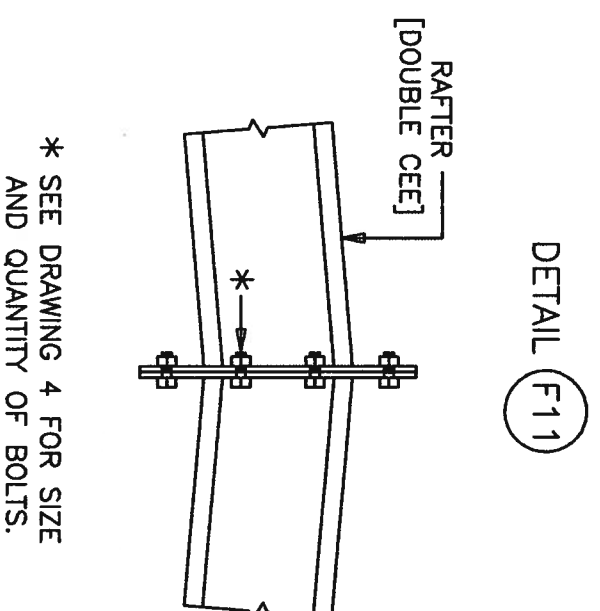
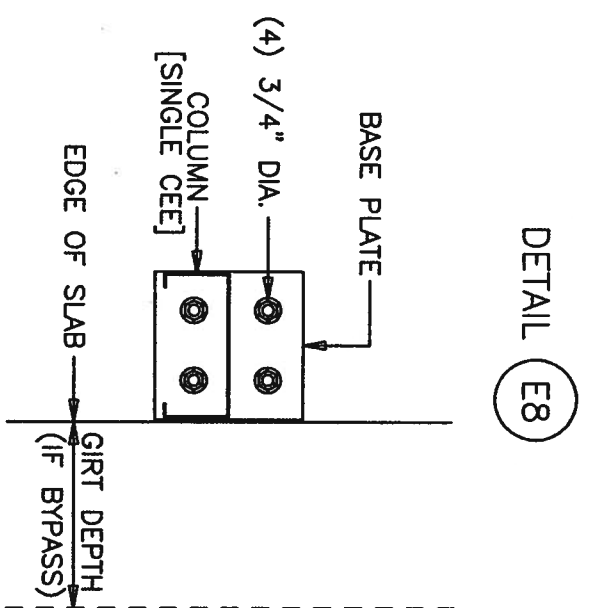
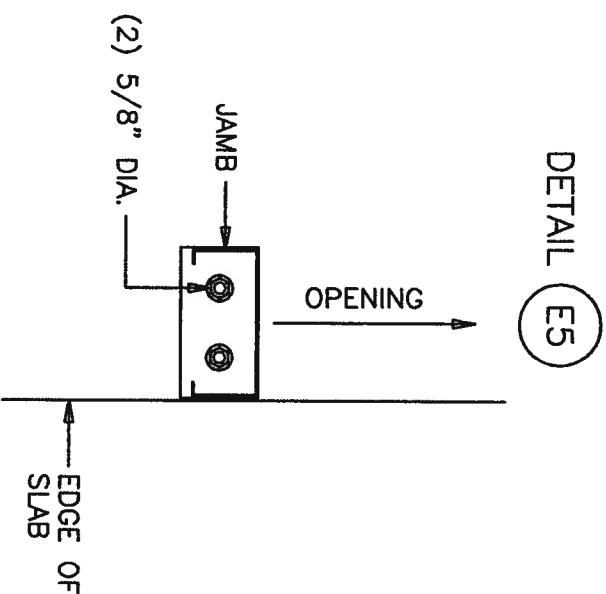
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SCALE: NONE

DRAWN BY: MSS

STRUCTURAL STAMP

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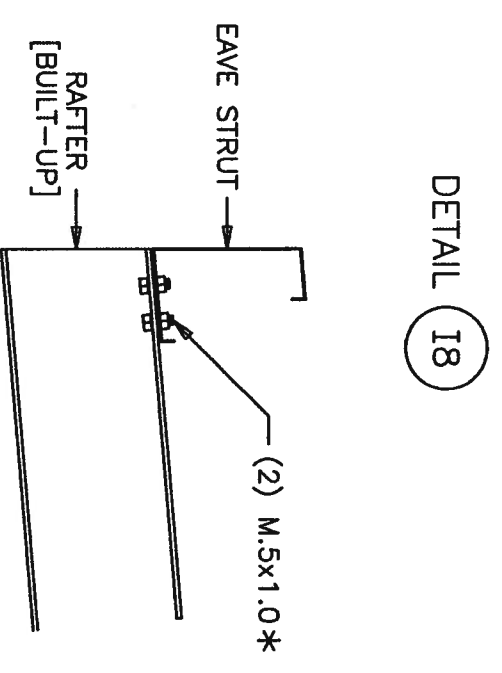
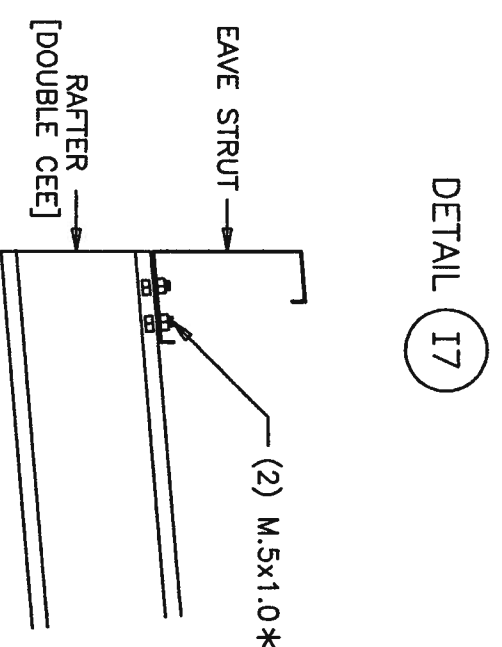
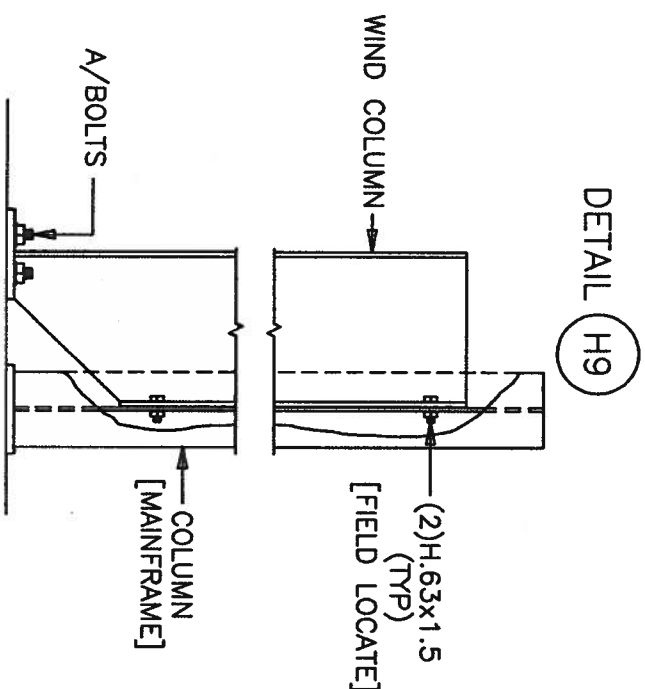
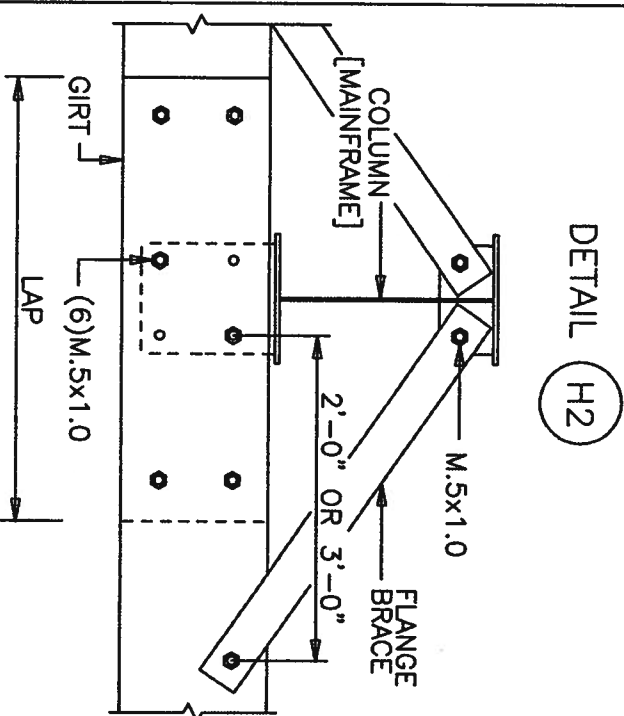


FRAMED OPENING JAMB BASE DETAIL

ENDWALL COLUMN BASE DETAIL

RAFTER DETAIL AT RIDGE

PURLIN TO MAINFRAME RAFTER



DETAIL H2

DETAIL H9

DETAIL I7

DETAIL I8

GIRT TO MAINFRAME COLUMN

WIND COLUMN DETAIL

EAVE STRUT CONNECTION AT ENDWALL

EAVE STRUT CONNECTION AT ENDWALL

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SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER: COSTAGNA CONSTRUCTION, INC.

JOB NO: 06-07-175

LOCATION: LAKE CITY, FLORIDA

DRAWING NAME: FRAMING DETAILS

DRAWING NO: PAGE 5.1

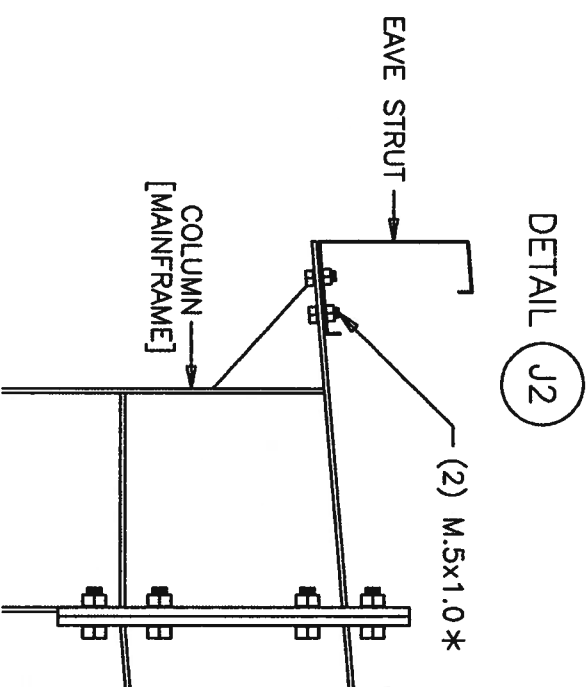
DATE: 7/13/06

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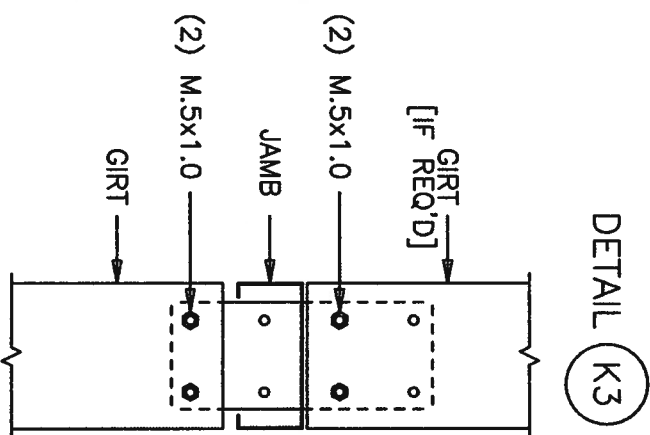
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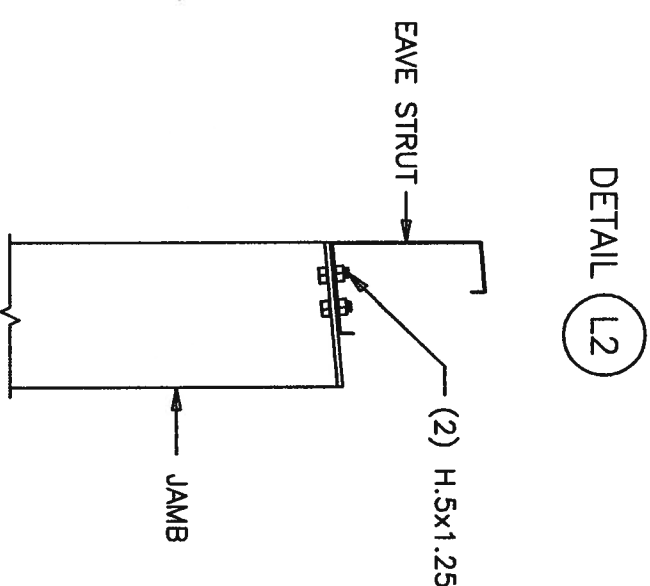


* UNLESS NOTED ON DRAWING 2.

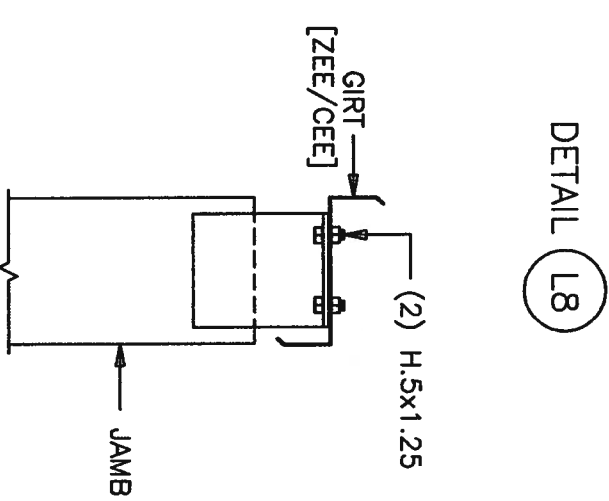
EAVE STRUT CONNECTION AT MAINFRAME



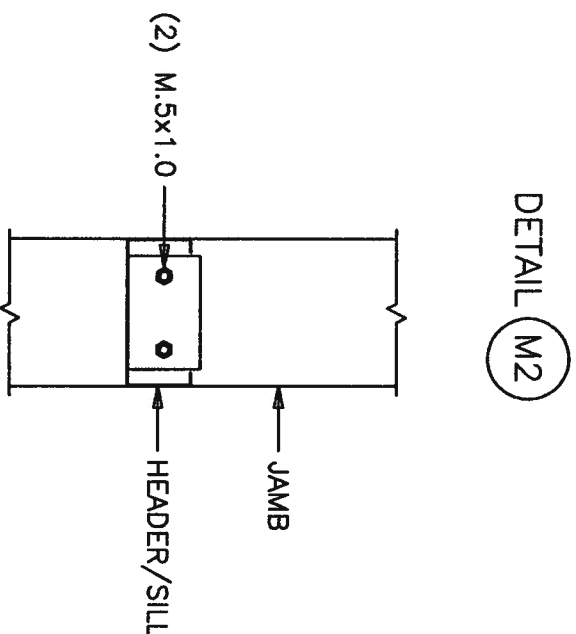
GIRTS TO JAMB



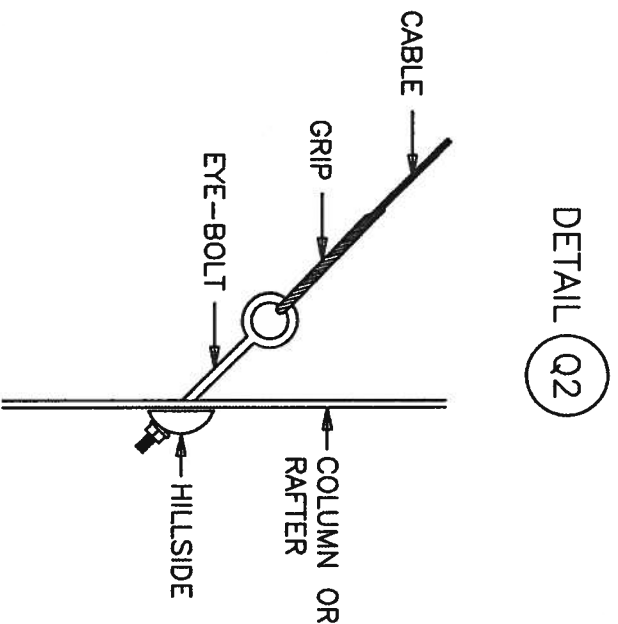
FRAMED OPENING JAMB TO EAVE STRUT



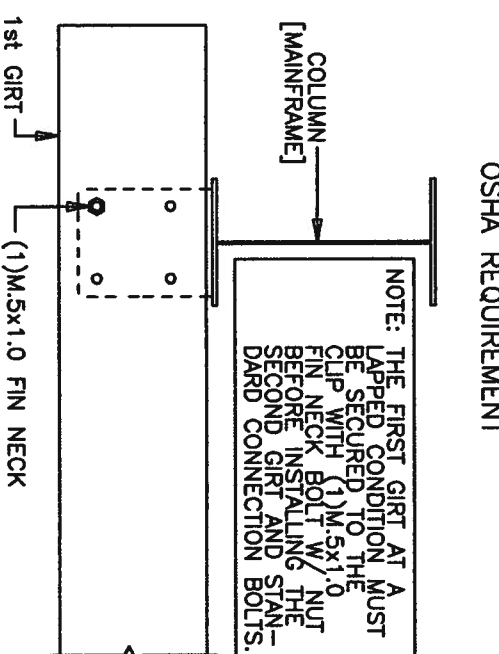
FRAMED OPENING JAMB TO GIRT



FRAMED OPENING HEADER/SILL TO JAMB



CABLE INSTALLATION DETAIL

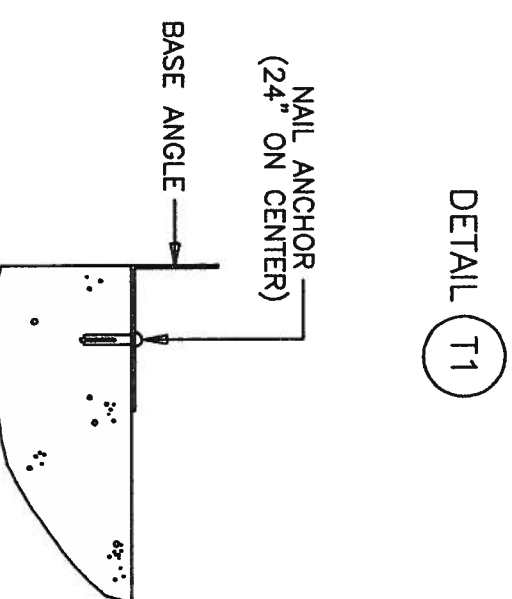


OSHA REQUIREMENT

NOTE: THE FIRST GIRT AT A LAPPED CONDITION MUST BE SECURED TO THE CLIP WITH (1) M.5x1.0 FIN NECK BOLT W/ NUT BEFORE INSTALLING THE SECOND GIRT AND STANDARD CONNECTION BOLTS.

* Directive Number: CPL 2-1.34
* Title: Inspection policy and procedures for OSHA's steel erection standards for construction
* Standard Number: 1926
* Information Date: 03/22/2002

LAPPED GIRTS TO MAINFRAME COLUMN



BASE ANGLE DETAIL

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SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER: COSTAGNA CONSTRUCTION, INC.

JOB NO: 06-07-175 DATE: 7/13/06

LOCATION: LAKE CITY, FLORIDA

DRAWING NAME: FRAMING DETAILS

DRAWING NO: PAGE 5.2

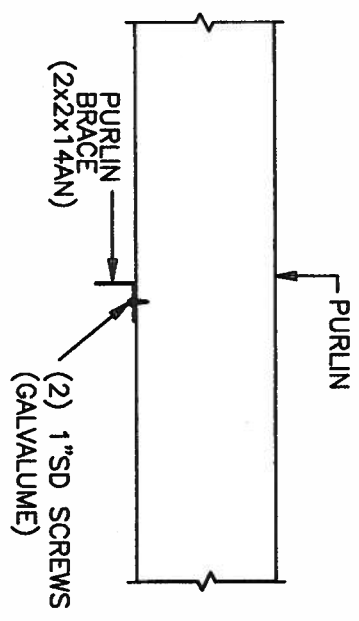
DRAWN BY: MSS

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STRUCTURAL STAMP

[Signature]
7/13/06

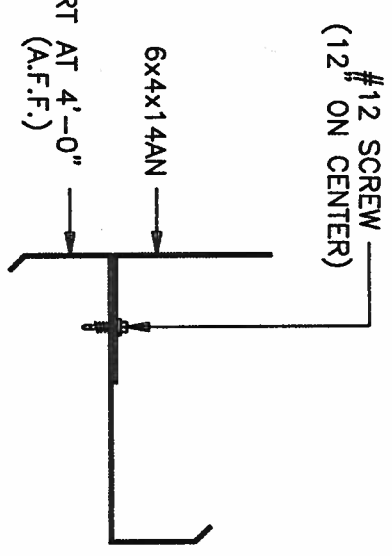
DETAIL (X1)



NOTE: SEE ROOF FRAMING PLAN FOR PURLIN BRACE SPACINGS.

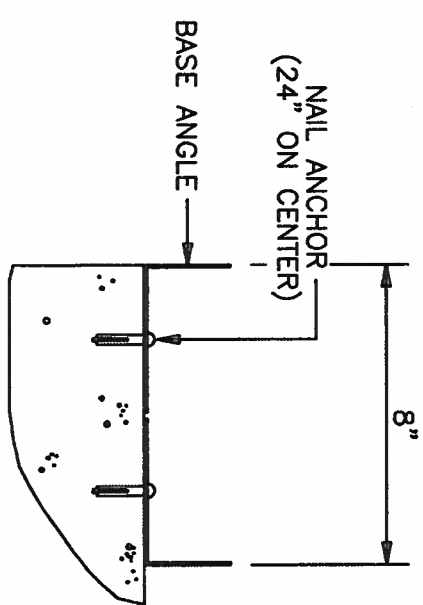
PURLIN BRACE DETAIL

DETAIL (X2)



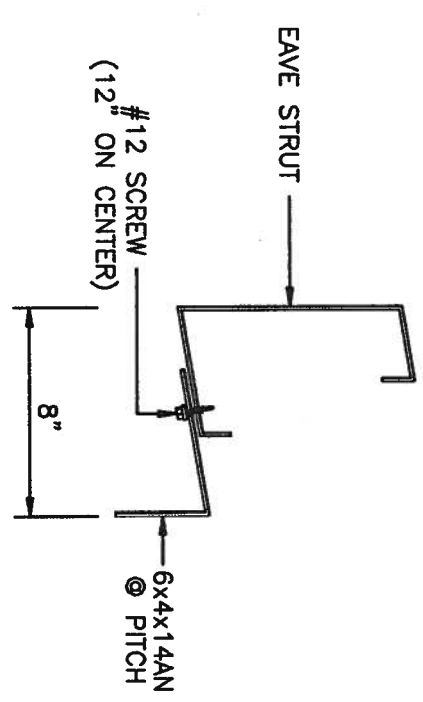
"GIRT" ANGLE DETAIL

DETAIL (T2)



BASE ANGLE DETAIL AT LINERS

DETAIL (X3)



LINER ANGLE DETAIL

NOTE: THE PROPER TIGHTENING AND INSPECTION OF ALL FASTENERS IS THE RESPONSIBILITY OF THE ERECTOR. ALL HEAVY STRUCTURAL (A325/A490) BOLTS AND NUTS MUST BE TIGHTENED BY THE "TURN-OF-NUT" METHOD SHOWN BELOW. A325 AND A490 BOLTS ARE DESIGNATED BY "SBS" WITH A "1/2" (SEE H.B.32.0 OR H.752.75).

TURN-OF-NUT TIGHTENING: IN ALL HOLES OF THE CONNECTION AND BROUGHT BOLTS SHALL BE INSTALLED TO A SNUG-TIGHT CONDITION. SNUG TIGHT IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN THE PILES OF THE JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. SNUG TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE CONNECTION TO THE FREE EDGES UNTIL ALL BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION, A SECOND OPERATION SHALL BE PERFORMED TURNING THE NUTS AN ADDITIONAL 1/2 TURN. THEREAFTER, THE NUTS SHALL BE TURNED BY THE WRENCH. THERE SHALL BE NO ROTATION OF THE NUT NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT TO THE FREE EDGES.

BOLT LENGTH	REQUIRED ROTATION
UP TO AND INCLUDING 4 DIAMETERS	1/3 TURN
OVER 4 DIAMETERS BUT NOT EXCEEDING 8 DIAMETERS	1/2 TURN
OVER 8 DIAMETERS BUT NOT EXCEEDING 12 DIAMETERS	2/3 TURN

NOTES:[1] NUT ROTATION IS RELATIVE TO BOLT HEAD/END OF THE ELEMENT (NUT OR BOLT) BEING TURNED. [2] APPLICABLE ONLY TO CONNECTIONS IN WHICH ALL MATERIAL WITHIN THE GRIP OF THE BOLT IS STEEL.

PERSONNEL DOORS

ALL "SBS" PERSONNEL DOORS COME FACTORY PREPPED AS RIGHTHAND REVERSED SWING.

(i.e. STANDING ON THE OUTSIDE OF THE BUILDING FACING THE DOOR, THE LOCK WILL BE ON THE LEFTHAND SIDE OF THE DOOR AND THE DOOR WILL SWING OUTWARD FROM THE BUILDING.)

ANY FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE ERECTOR AND "SBS" IS NOT LIABLE FOR LABOR CHARGES NOR DAMAGES DUE TO ERROR.

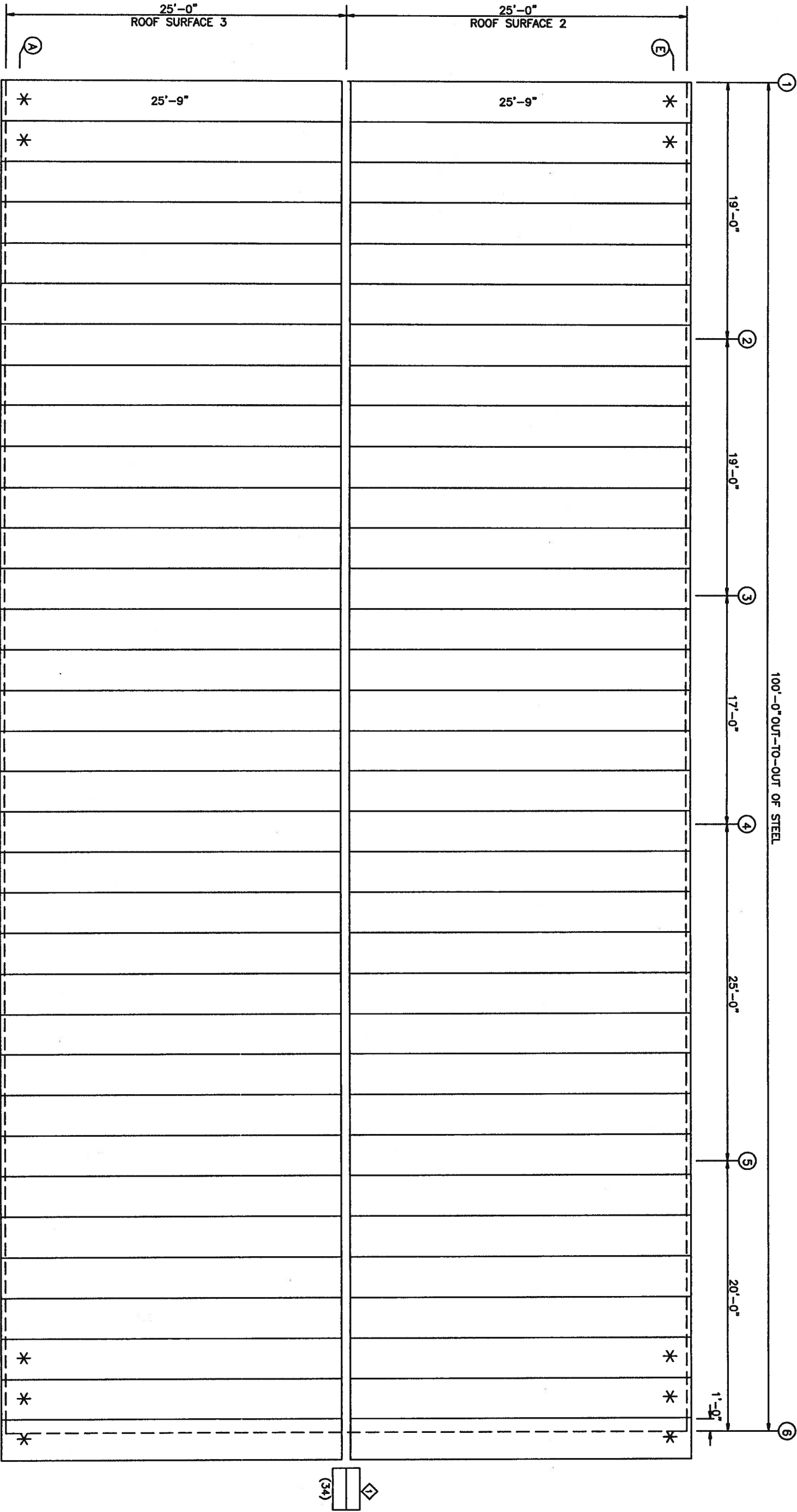
SBS STEEL BUILDING SYSTEMS, INC.	
CUSTOMER: COSTAGNA CONSTRUCTION, INC.	
JOB NO: 06-07-175	DATE: 7/13/06
REVISIONS	
[1] 09/06/06	LOCATION: LAKE CITY, FLORIDA
[2]	DRAWING NAME: FRAMING DETAILS
[3]	DRAWING NO: PAGE 5.3
DRAWN BY: MSS	CHECKED BY:

STRUCTURAL STAMP

ROY A. SPIKER
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FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

[Signature]

TRIM TABLE	
ROOF PLAN	
ID PART	LENGTH
1 D/F CAP	3'-0"



ROOF SHEETING PLAN

PANELS: 26 GA. R - LIGHT STONE

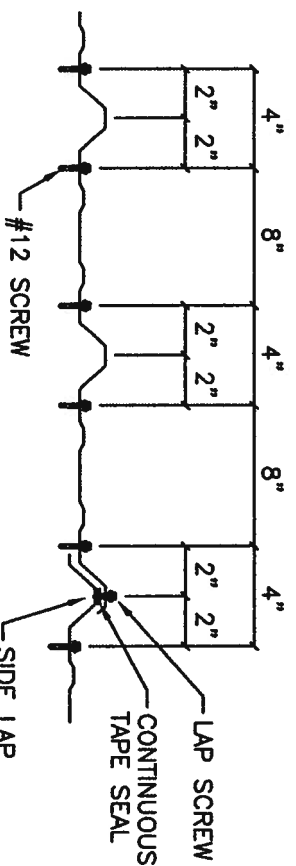
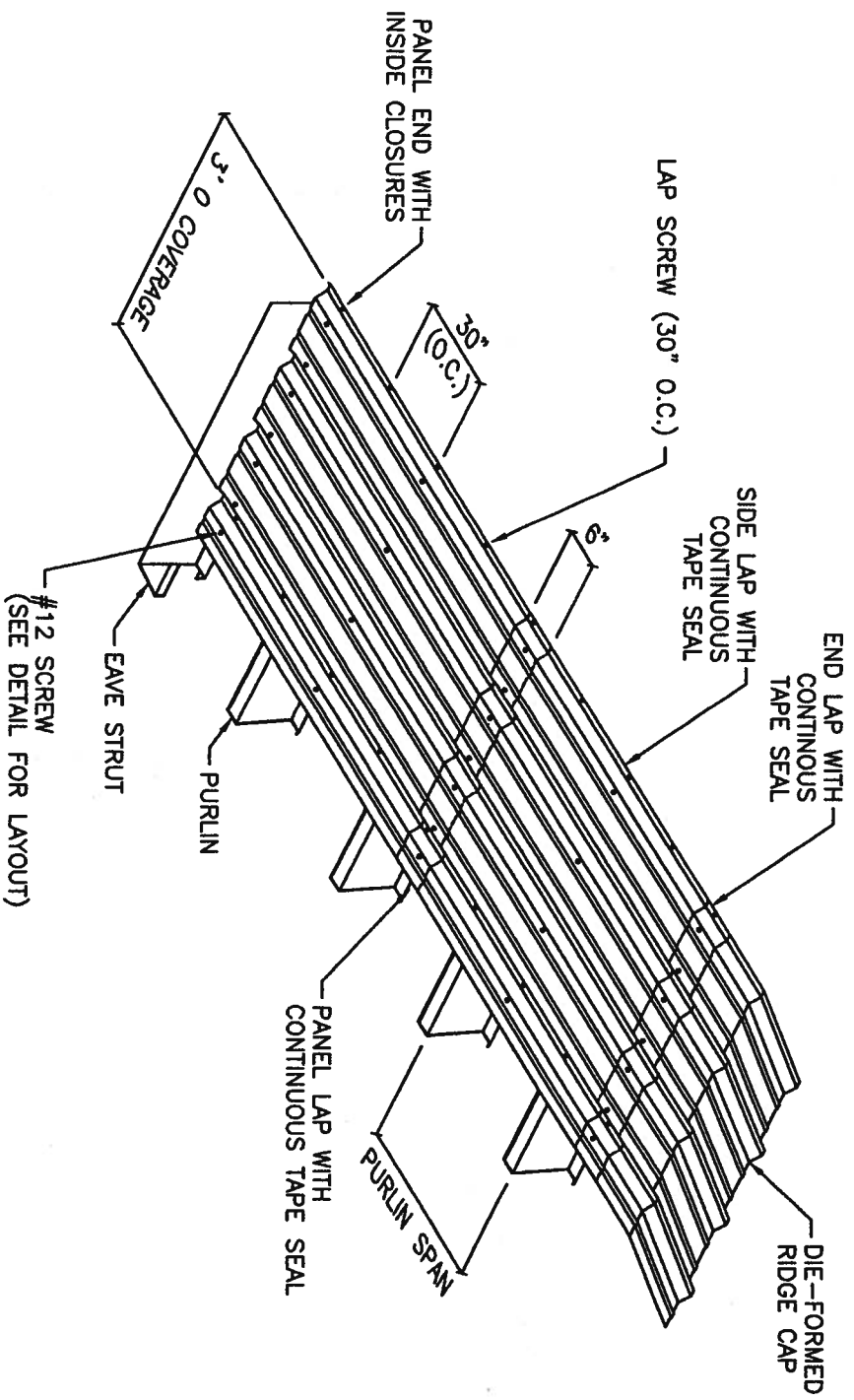
*24 GA. PANELS IN CORNER ZONES.

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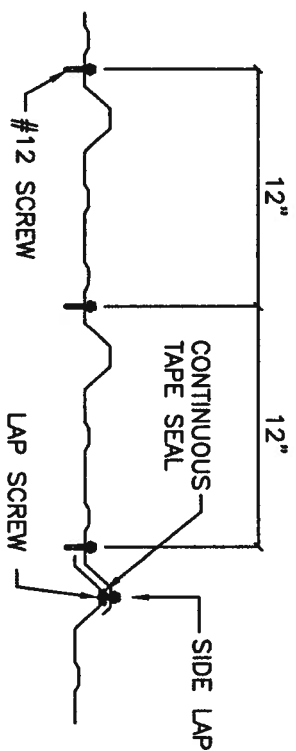
SBS STEEL BUILDING SYSTEMS, INC.	
CUSTOMER: COSTAGNA CONSTRUCTION, INC.	
JOB NO: 06-07-175	DATE: 7/13/06
LOCATION: LAKE CITY, FLORIDA	
DRAWING NAME: ROOF PANELS & TRIM	SCALE: NONE
DRAWING NO: PAGE 6	DRAWN BY: MSS
CHECKED BY:	

STRUCTURAL STAMP

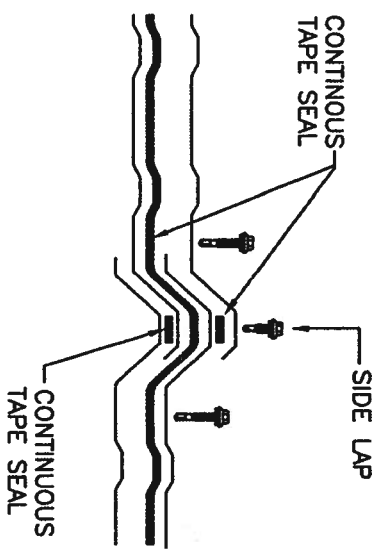
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DETAIL AT PANEL END



DETAIL AT INTERIOR OF PANEL



TAPE SEAL AT END LAP AND PANEL LAP

- NOTES:
- [1] ALL END LAPS MUST BE A MINIMUM OF 6".
 - [2] METAL SHAVINGS MUST BE SWEEP FROM THE ROOF EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.
 - [3] TAPE SEAL MUST BE APPLIED WITH NO GAPS OR BREAKS.
 - [4] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE STRUCTURALS. LAP SCREWS ARE USED AT THE PANEL TO PANEL ATTACHMENTS. THESE FASTENERS ARE SELF-DRILLING.

<div><div><div><div>SBS</div><div>STEEL BUILDING SYSTEMS, INC.</div></div></div></div>			
CUSTOMER:			
COSTAGNA CONSTRUCTION, INC.			
JOB NO:		DATE:	
06-07-175		07/13/06	
REVISIONS			
[1]	LOCATION: LAKE CITY, FLORIDA		
[2]	DRAWING NAME: ROOF PANEL DETAILS		
[3]	DRAWING NO: PAGE 6.1		DRAWN BY: MSS
		CHECKED BY:	SCALE: NONE

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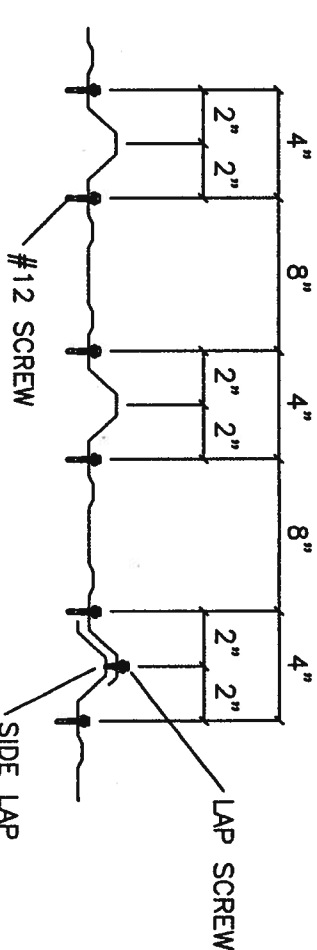
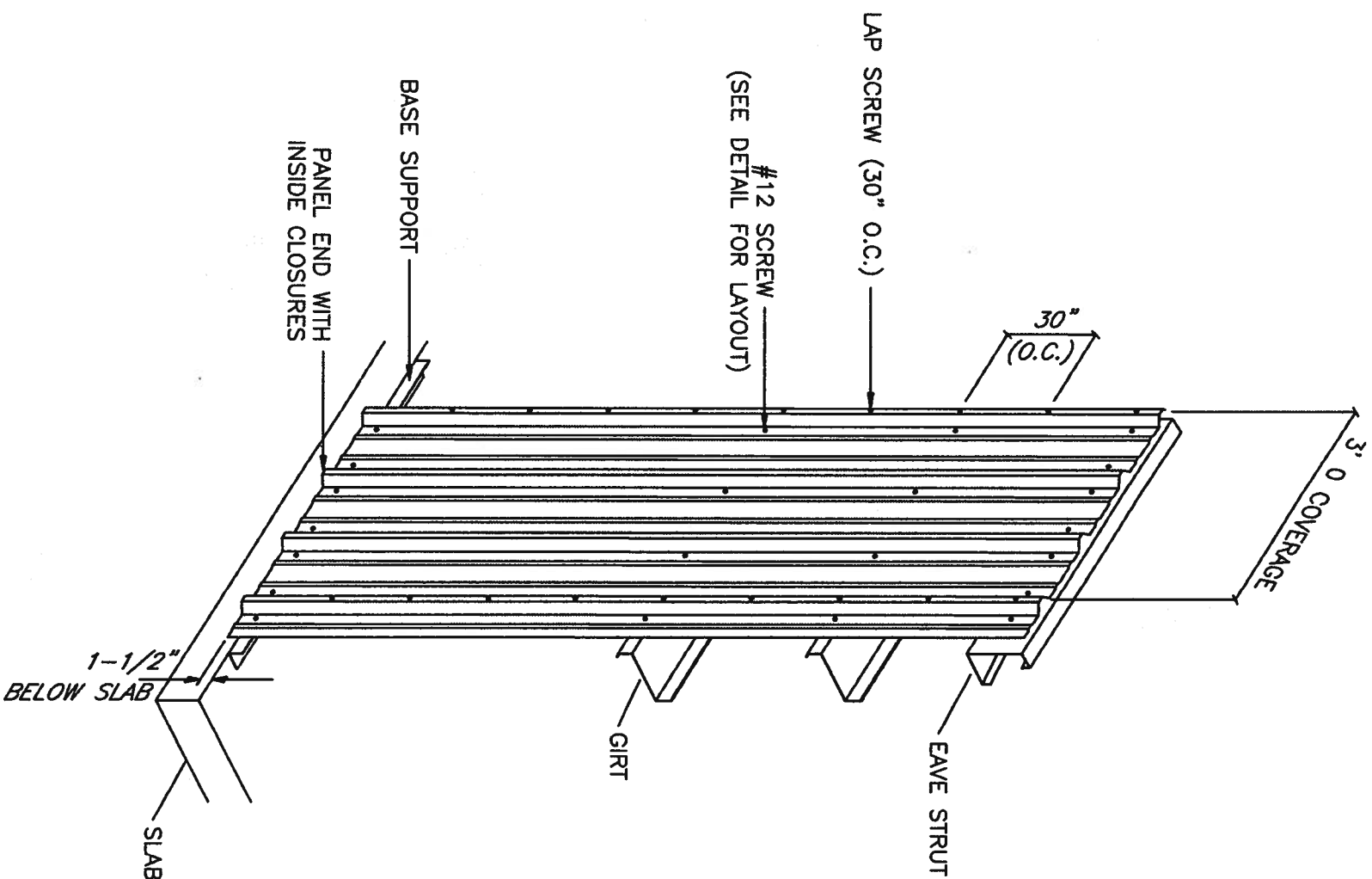
PHONE (229) 387-6695

FAX (229) 387-6696

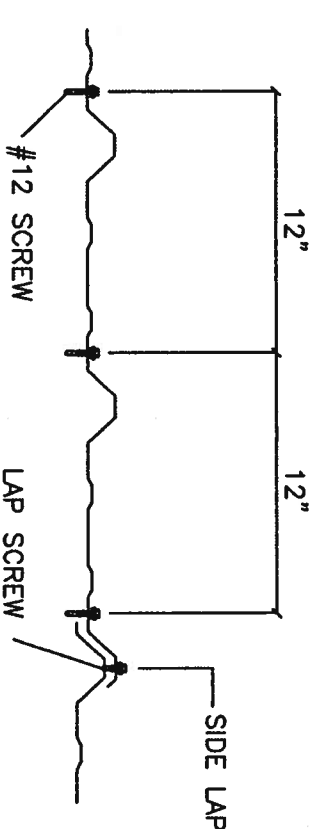
FLA. P.E. REG. NO. 42289

10/11/06

10/11/06



DETAIL AT PANEL END



DETAIL AT INTERIOR OF PANEL

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FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

NOTES:

- [1] METAL SHAVINGS MUST BE SWEEP FROM THE PANELS DURING ERECTION TO PREVENT SURFACE RUSTING.
- [2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE STRUCTURALS. LAP SCREWS ARE USED AT THE PANEL TO PANEL ATTACHMENTS. THESE FASTENERS ARE SELF-DRILLING.

SBS STEEL BUILDING SYSTEMS, INC.			
CUSTOMER: COSTAGNA CONSTRUCTION, INC.			
REVISIONS	JOB NO:	06-07-175	
	DATE:	07/13/06	
[1]	LOCATION:	LAKE CITY, FLORIDA	
[2]	DRAWING NAME:	SIDEWALL PANEL DETAILS	
[3]	DRAWING NO:	PAGE 7.1	DRAWN BY: MSS

STRUCTURAL STAMP

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10/10/06



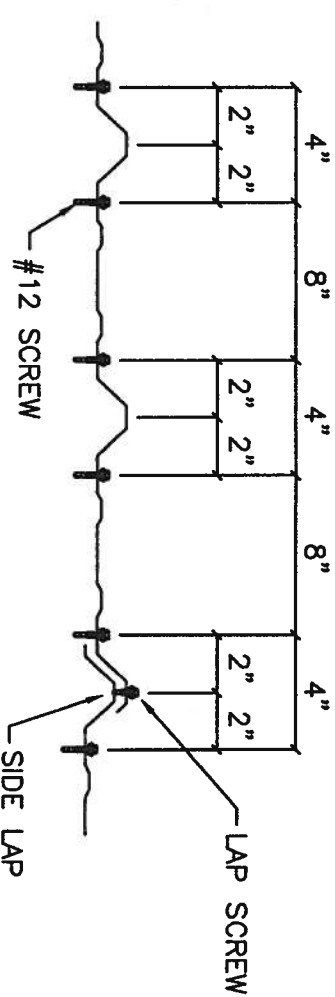
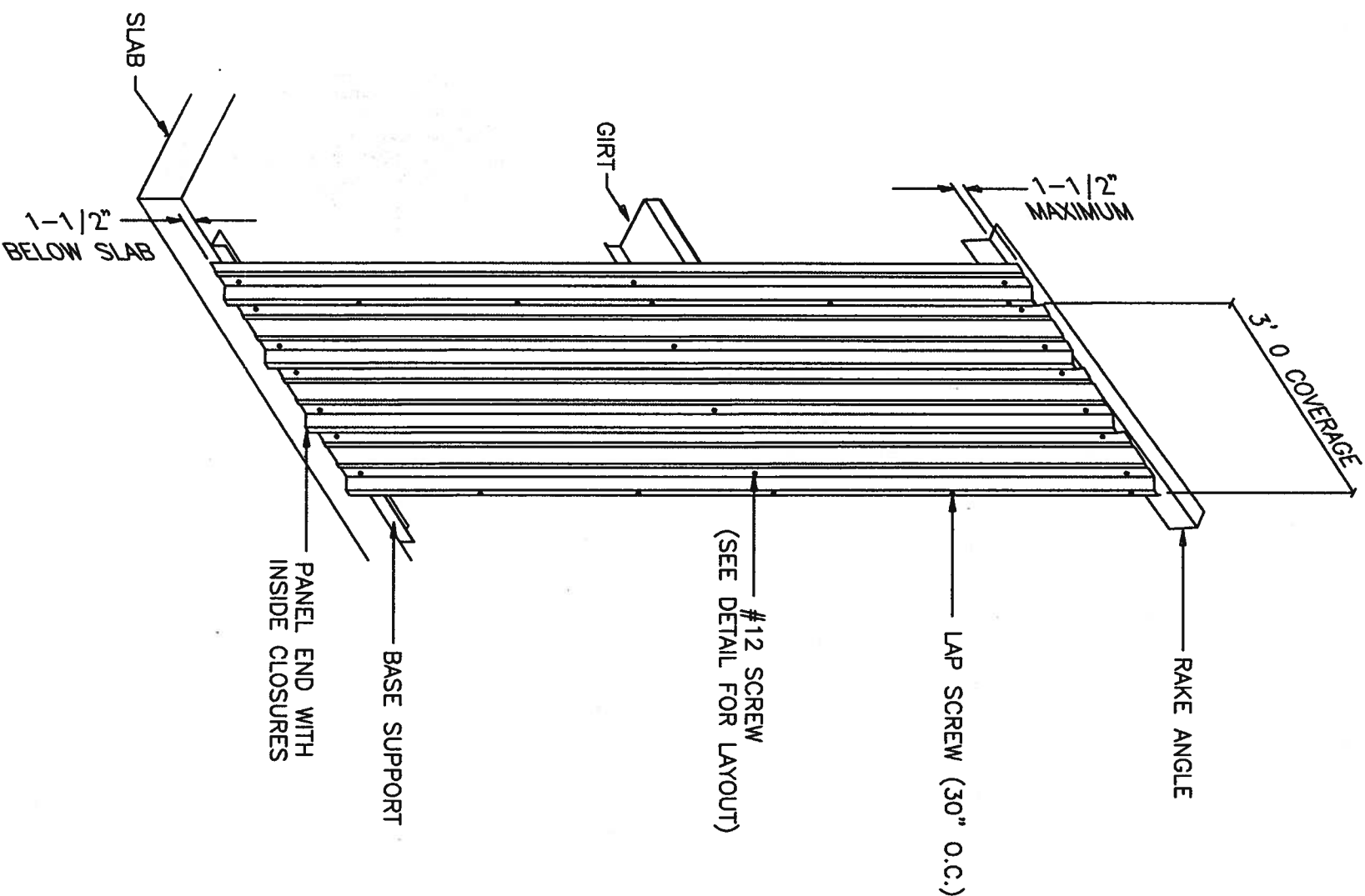
ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
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OPEN TO REMAIN

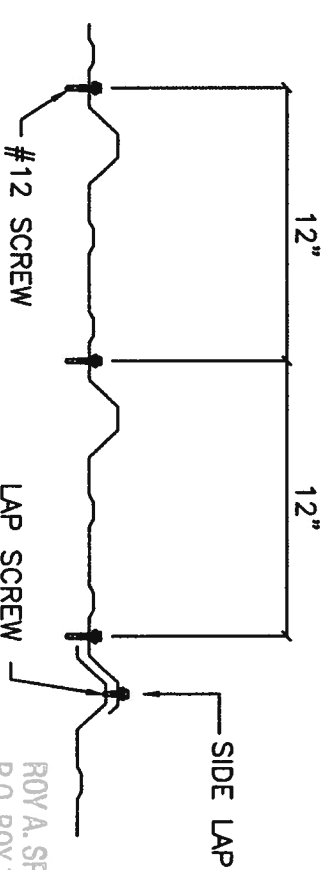


STRUCTURAL STAMP

1886



DETAIL AT PANEL END



DETAIL AT INTERIOR OF PANEL

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FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

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SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:
COSTAGNA CONSTRUCTION, INC.

JOB NO.: 06-07-175 DATE: 07/13/06

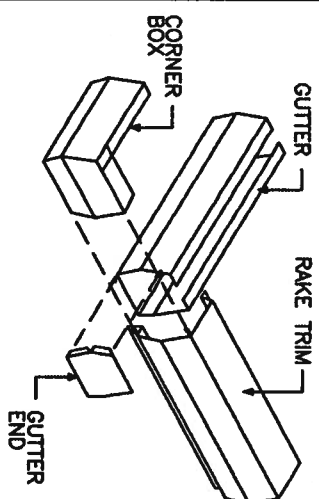
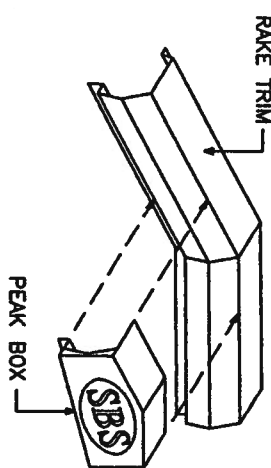
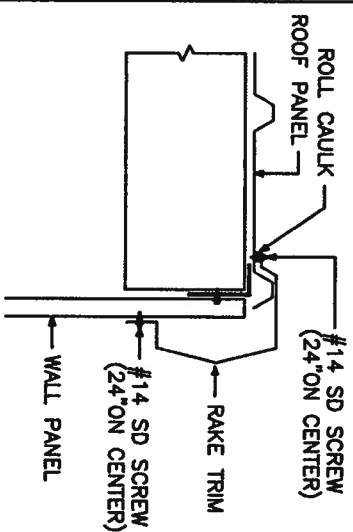
LOCATION:
LAKE CITY, FLORIDA

DRAWING NAME:
ENDWALL PANEL DETAILS

DRAWING NO.: PAGE 8.1

NOTES:

- [1] METAL SHAVINGS MUST BE SWEEP FROM THE PANELS DURING ERECTION TO PREVENT SURFACE RUSTING.
- [2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE STRUCTURALS. LAP SCREWS ARE USED AT THE PANEL TO PANEL ATTACHMENTS. THESE FASTENERS ARE SELF-DRILLING.

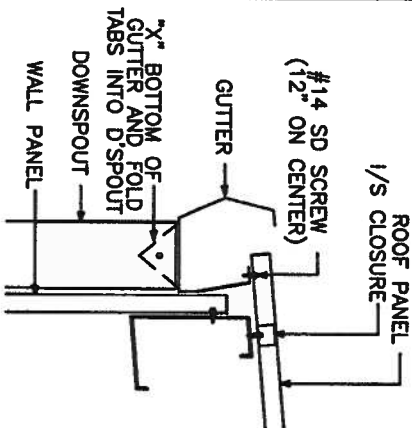


- TRIM NOTES:**
- [1] SEAL TRIM SPLICES WITH TUBE CAULK.
 - [2] SECURE GUTTER SPLICES AND END PLUGS WITH RIVETS.
 - [3] SECURE ALL OTHER ROOF TRIM SPLICES WITH TRIM SCREWS UNLESS NOTED OTHERWISE.
 - [4] TRIM SCREWS ARE LOCATED 24\"/>

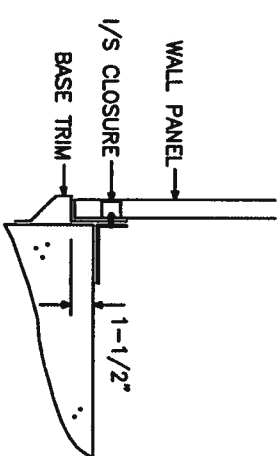
RAKE TRIM DETAIL

PEAK BOX DETAIL

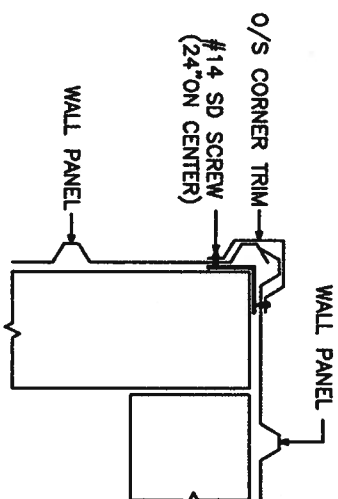
GUTTER END DETAIL



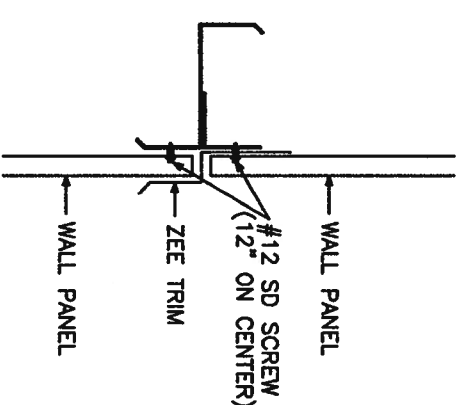
NOTE: INSTALL GUTTER STRAPS 3'0\"/>



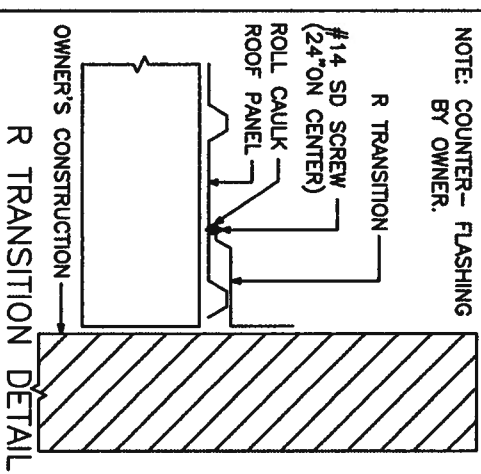
BASE TRIM DETAIL



O/S CORNER DETAIL

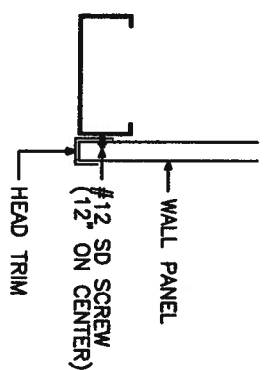


ZEE TRIM DETAIL

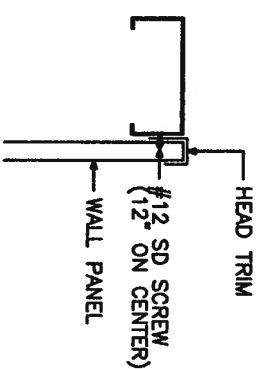


NOTE: COUNTER- FLASHING BY OWNER.

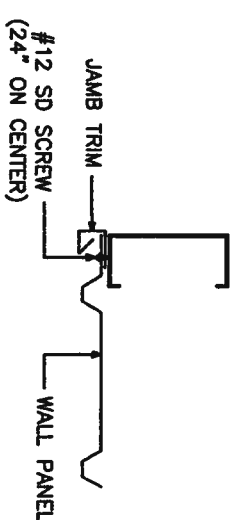
R TRANSITION DETAIL



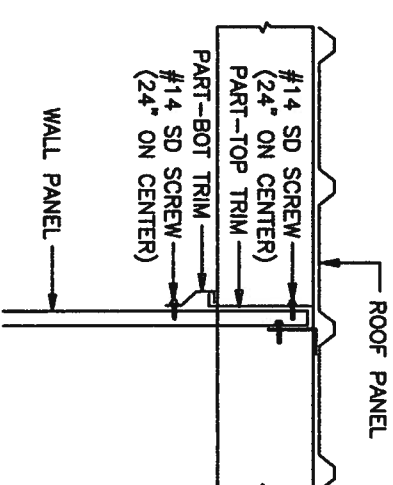
HEAD TRIM DETAIL AT HEADER



HEAD TRIM DETAIL AT SILL



JAMB TRIM DETAIL AT JAMB



PARTITION WALL TRIM DETAILS

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:

COSTAGNA CONSTRUCTION, INC.

JOB NO:

06-07-175

DATE:

7/13/06

LOCATION:

LAKE CITY, FLORIDA

DRAWING NAME:

TRIM DETAILS

SCALE:

NONE

DRAWING NO:

PAGE 9

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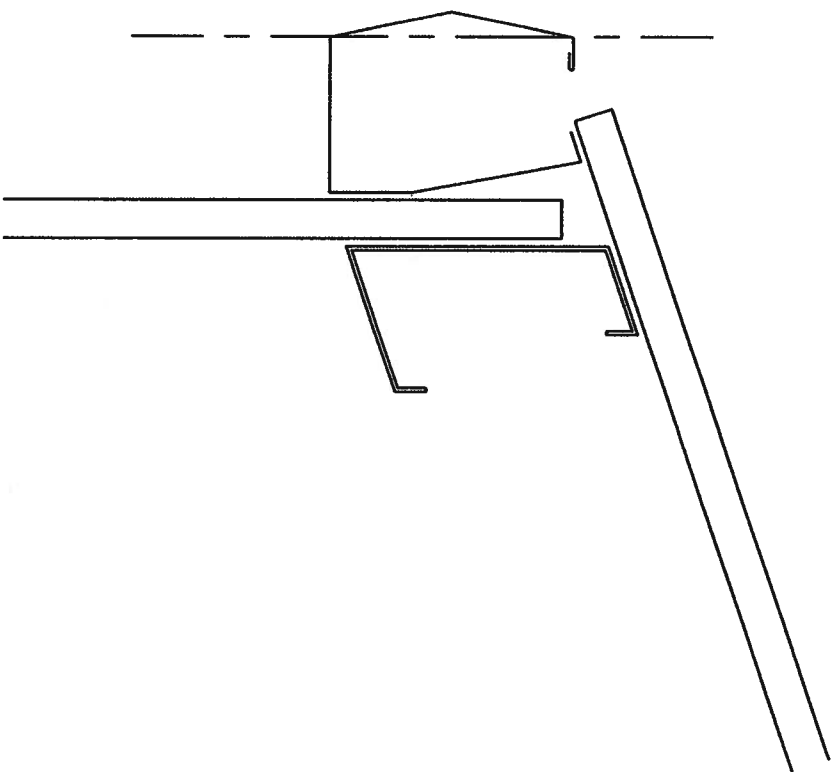
MSS

CHECKED BY:

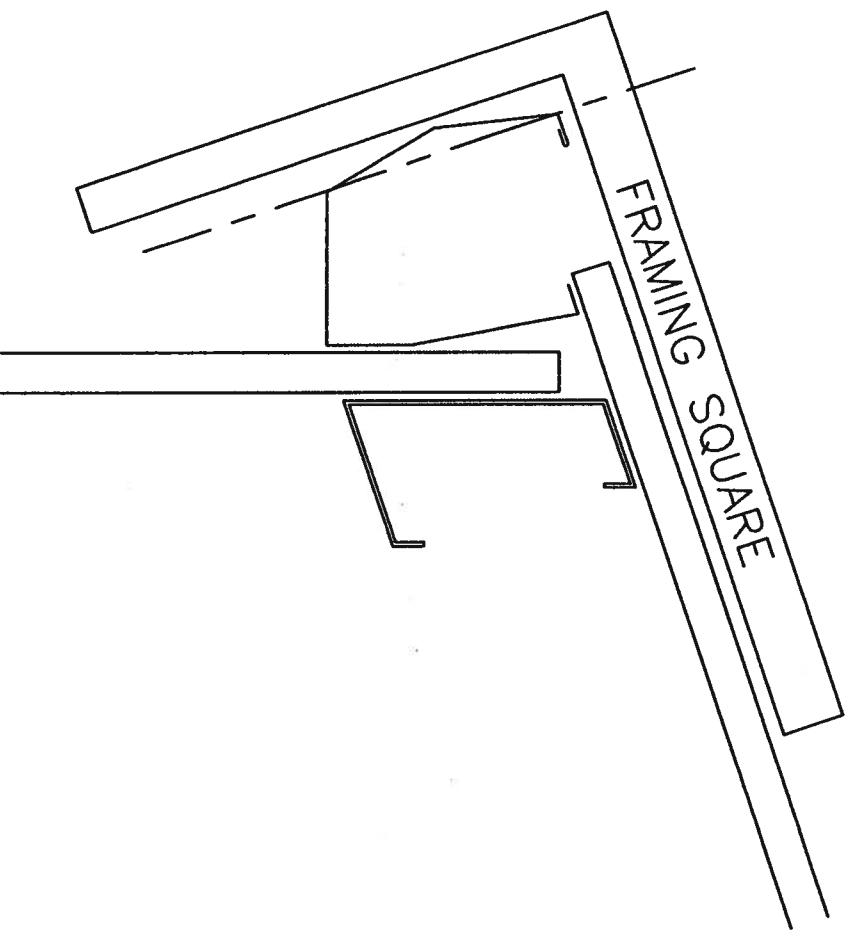
STRUCTURAL STAMP

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[Handwritten Signature]



DO NOT INSTALL GUTTER WITH
OUTSIDE FACE PERPENDICULAR
TO THE GROUND.



INSTALL GUTTER WITH
OUTSIDE FACE PERPENDICULAR
TO THE ROOF.

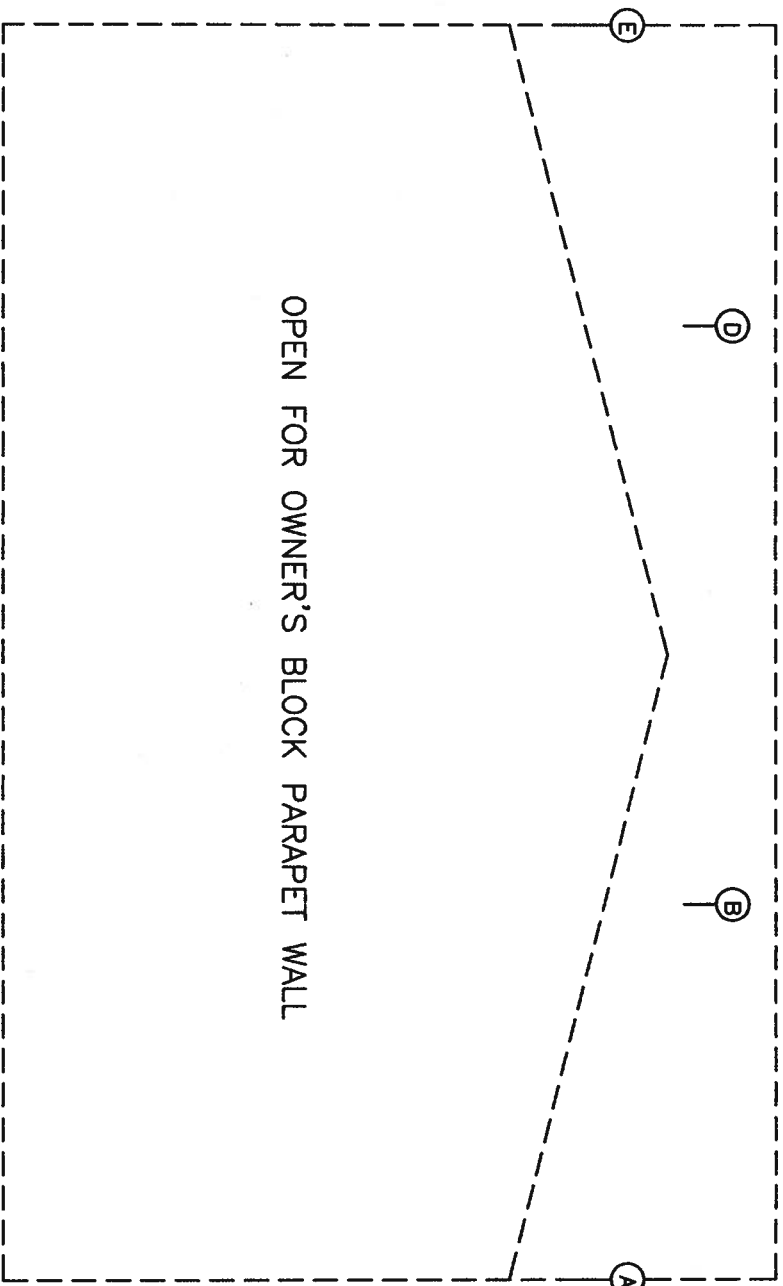
GUTTER INSTALLATION DETAIL

<div><div><div><div>SBS</div></div><div>STEEL BUILDING SYSTEMS, INC.</div></div><div><div>CUSTOMER:</div><div>COSTAGNA CONSTRUCTION, INC.</div></div></div>			
JOB NO: 06-07-175		DATE: 7/13/06	
LOCATIONS: LAKE CITY, FLORIDA			
DRAWING NAME: GUTTER DETAILS		SCALE: NONE	
DRAWING NO: PAGE 9.1		DRAWN BY: MSS	
REVISIONS		CHECKED BY:	
[1]			
[2]			
[3]			

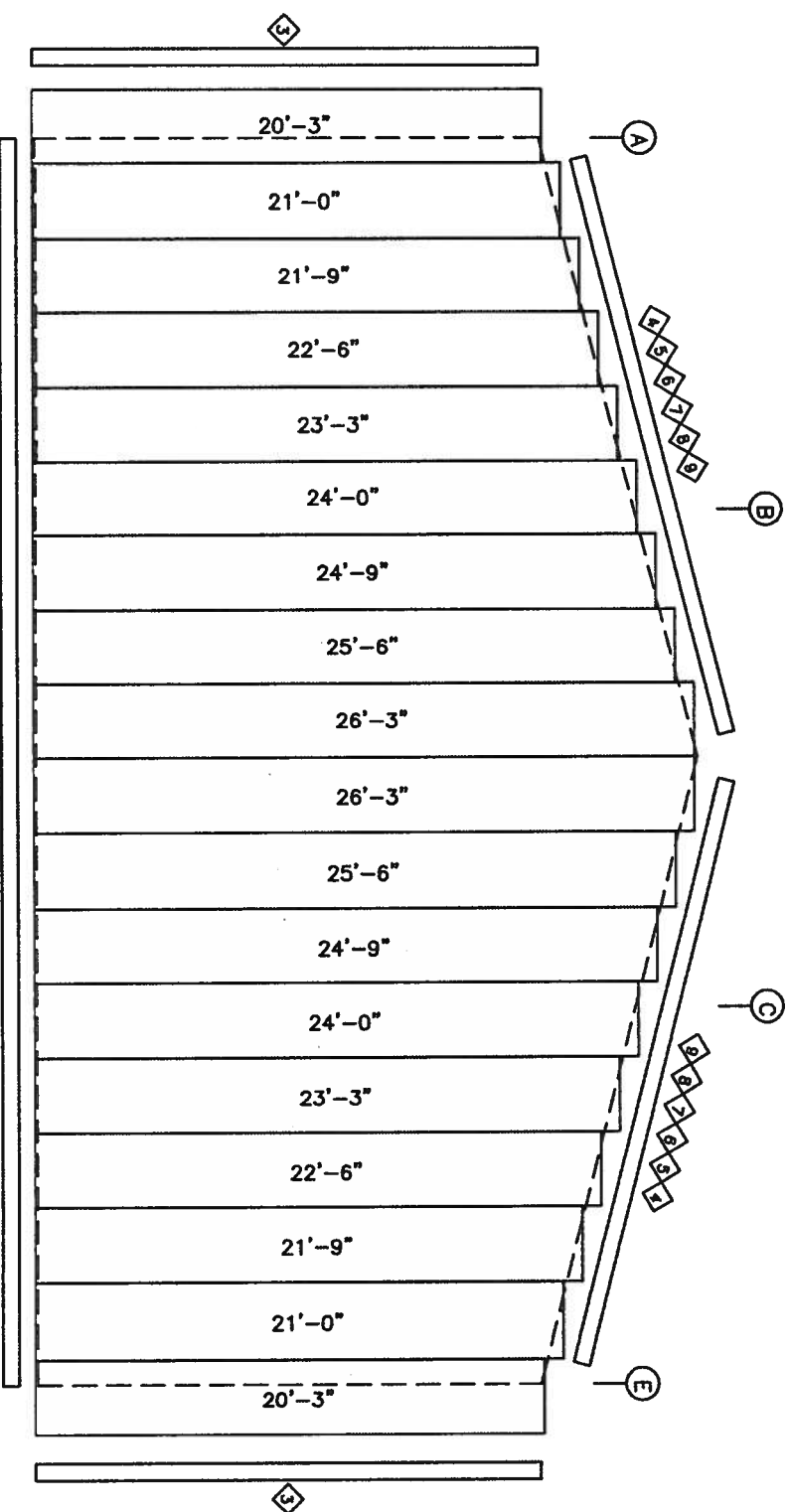
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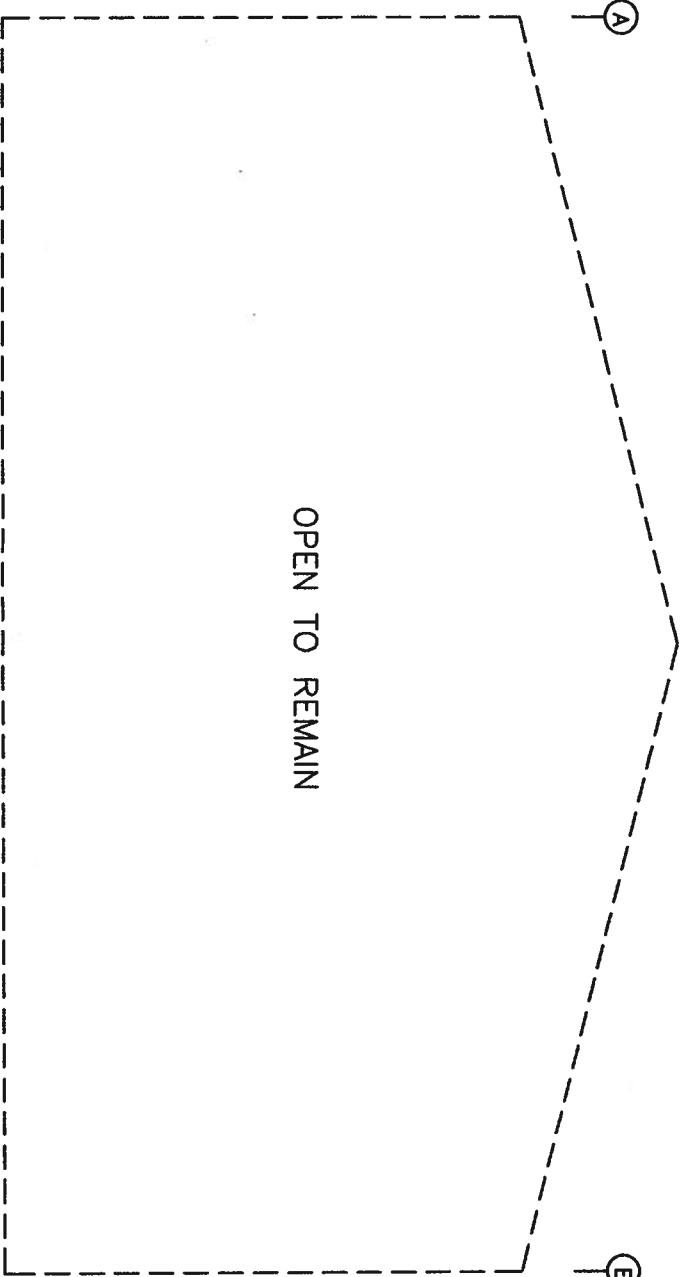
[Handwritten Signature]



ENDWALL SHEETING & TRIM: FRAME LINE 1



ENDWALL SHEETING & TRIM: FRAME LINE 5
PANELS: 26 GA. U - LIGHT STONE



ENDWALL SHEETING & TRIM: FRAME LINE 6

TRIM TABLE		
FRAME LINE 1 & 5		
ID	PART	LENGTH
1	U HEAD	20'-3"
2	U HEAD	10'-0"
3	I/S CORN	20'-0"
4	PART-BOT	5'-10"
5	PART-BOT	3'-4"
6	PART-TOP	4'-5"
7	PART-TOP	3'-6"
8	PART-TOP	1'-3"
9	PART-BOT	1'-3"

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SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER: COSTAGNA CONSTRUCTION, INC.

JOB NO: 06-07-175

DATE: 7/13/06

REVISIONS

1 09/06/06

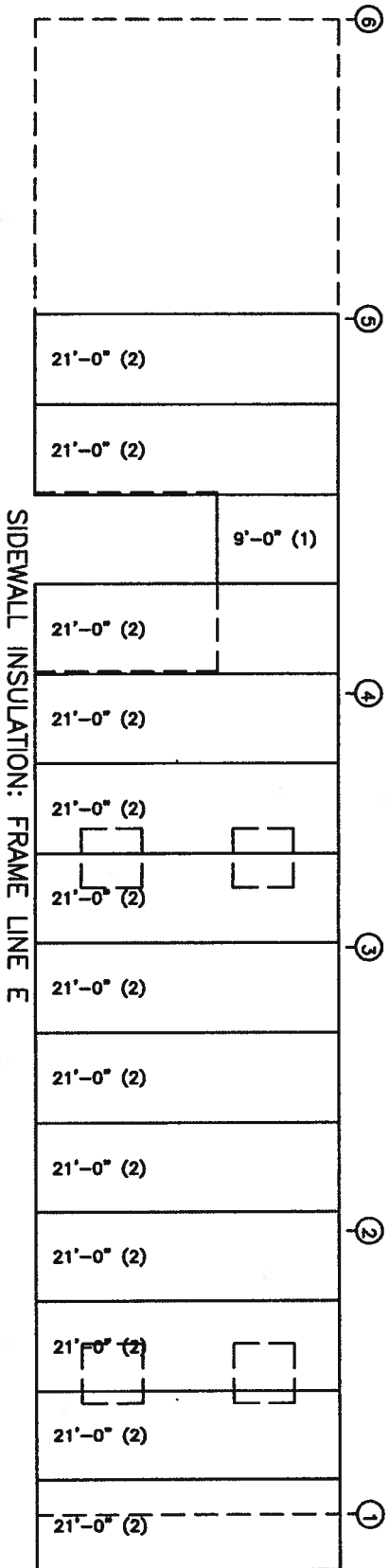
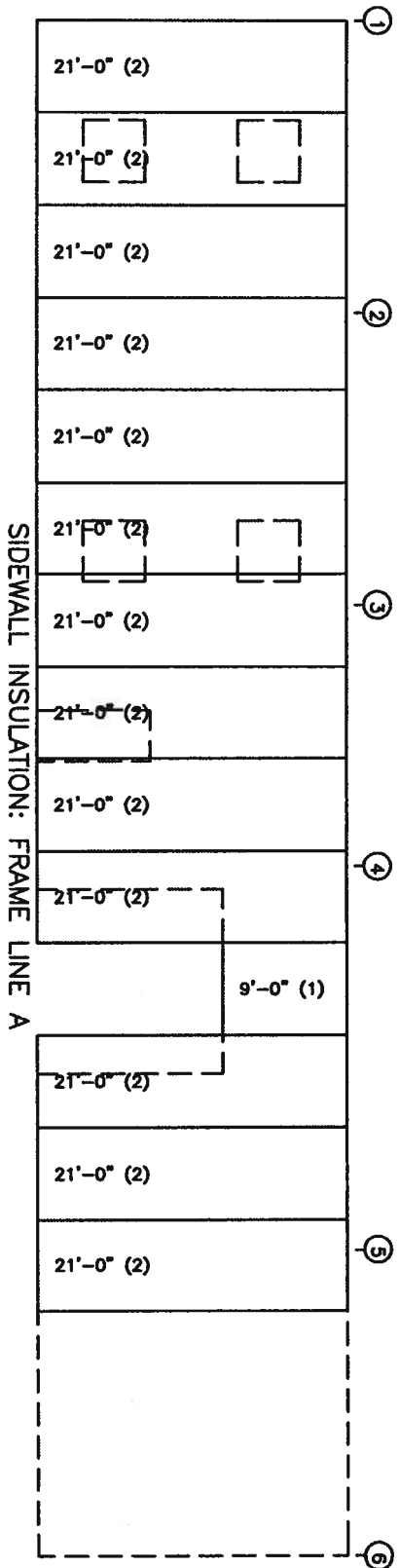
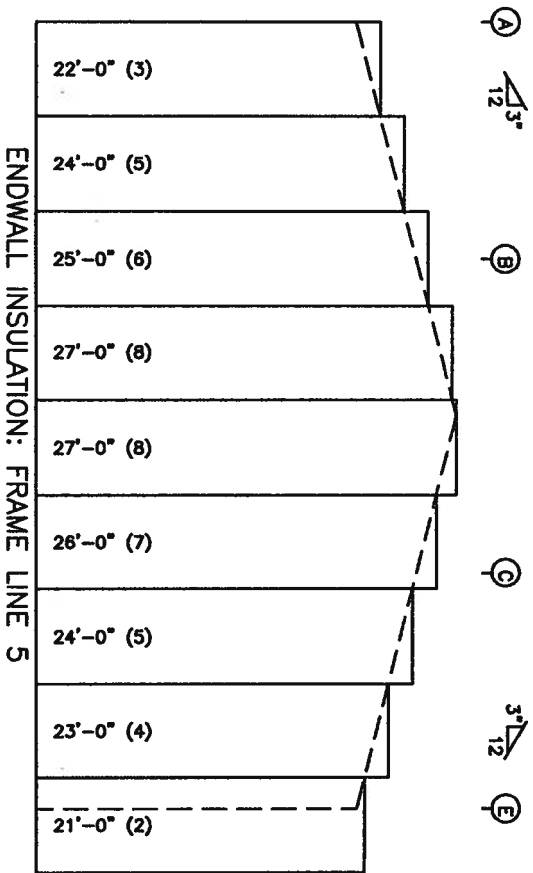
SCALE: NONE

2 ENDWALL LINER PANELS & TRIM

CHECKED BY:

STRUCTURAL STAMP

10/17/06



WALL INSULATION TABLE			
FRAME LINE A & 6 & E			
ROLL	QUAN	MARK	WIDTH LENGTH
1	2	WI-1	6'-0" 9'-0"
2	27	WI-2	6'-0" 21'-0"
3	1	WI-3	6'-0" 22'-0"
4	1	WI-4	6'-0" 23'-0"
5	2	WI-5	6'-0" 24'-0"
6	1	WI-6	6'-0" 25'-0"
7	1	WI-7	6'-0" 26'-0"
8	2	WI-8	6'-0" 27'-0"

ROOF INSULATION TABLE			
FRAME LINE A & 6 & E			
QUAN	MARK	WIDTH	LENGTH
14	RI-1	6'-0"	54'-0"

LEGEND:
9'-0" (1)
LENGTH (ROLL #)

STRUCTURAL STAMP

ROY A. SPIKER
P.O. BOX 7761
TIFTON, GA 31793
PHONE (229) 387-6695
FAX (229) 387-6696
FLA. P.E. REG. NO. 42289

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:
COSTAGNA CONSTRUCTION, INC.

JOB NO.:
06-07-175

DATE:
7/13/06

LOCATION:
LAKE CITY, FLORIDA

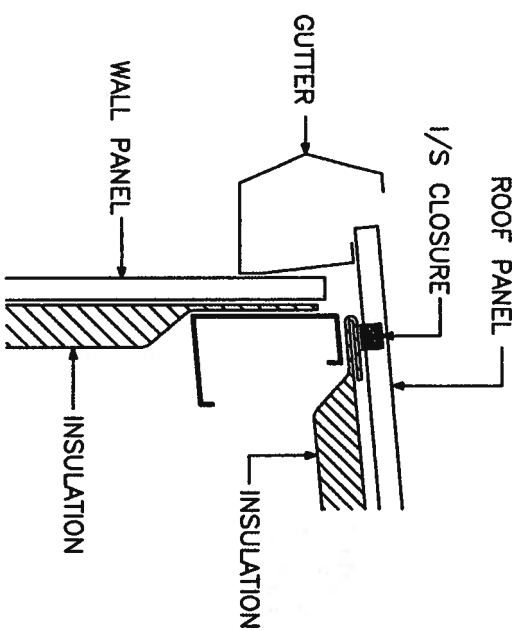
DRAWING NAME:
INSULATION LAYOUT

DRAWING NO.:
PAGE 10

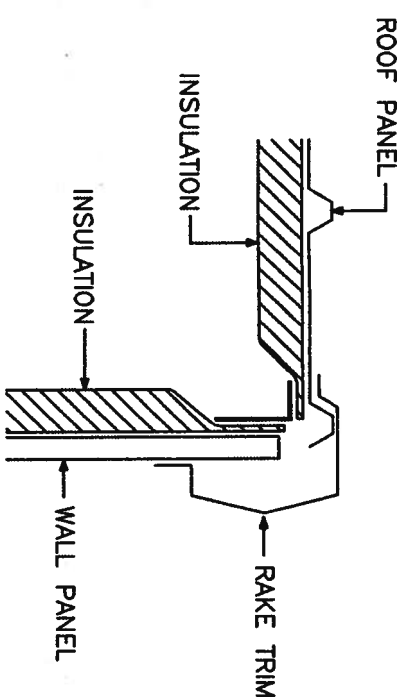
DRAWN BY:
MSS

CHECKED BY:

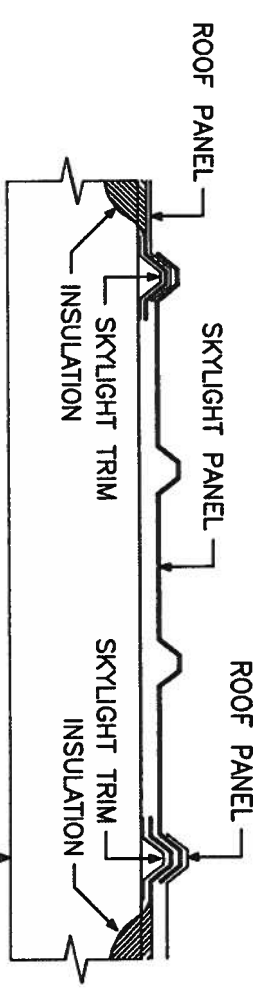
[Signature]



EAVE DETAIL
NOTE: FOLD ROOF INSULATION BACK 3" TO 6".

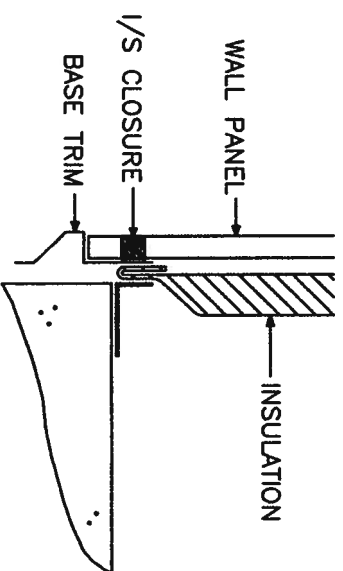


RAKE DETAIL



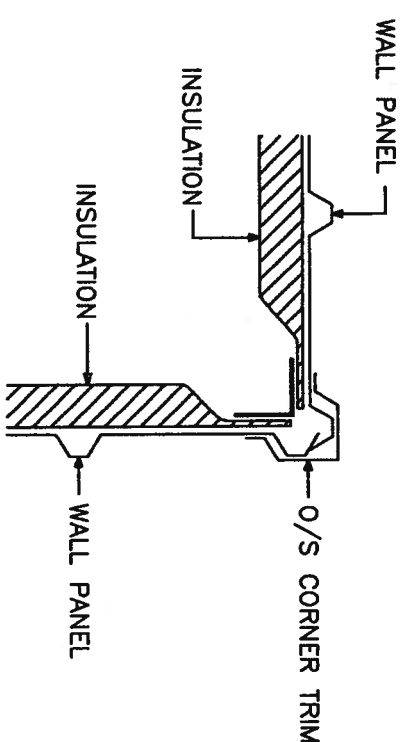
- [1] INSTALL SKYLIGHT TRIM ONTO PURLINS.
- [2] INSTALL INSULATION OVER SKYLIGHT TRIM.
- [3] INSTALL ROOF PANEL AND SKYLIGHT PANEL OVER INSULATION.
- [4] CUT OUT INSULATION FLUSH TO SKYLIGHT TRIM WITH A RAZOR KNIFE.

SKYLIGHT TRIM DETAIL



BASE DETAIL

NOTE: FOLD INSULATION BACK 3" TO 6".



CORNER DETAIL

CAUTION: FAILURE TO FOLD FACING OF INSULATION BACK FROM THE PANEL EDGE AT THE BASE AND EAVE COULD RESULT IN PANEL DAMAGE AND WILL VOID THE PANEL WARRANTY.

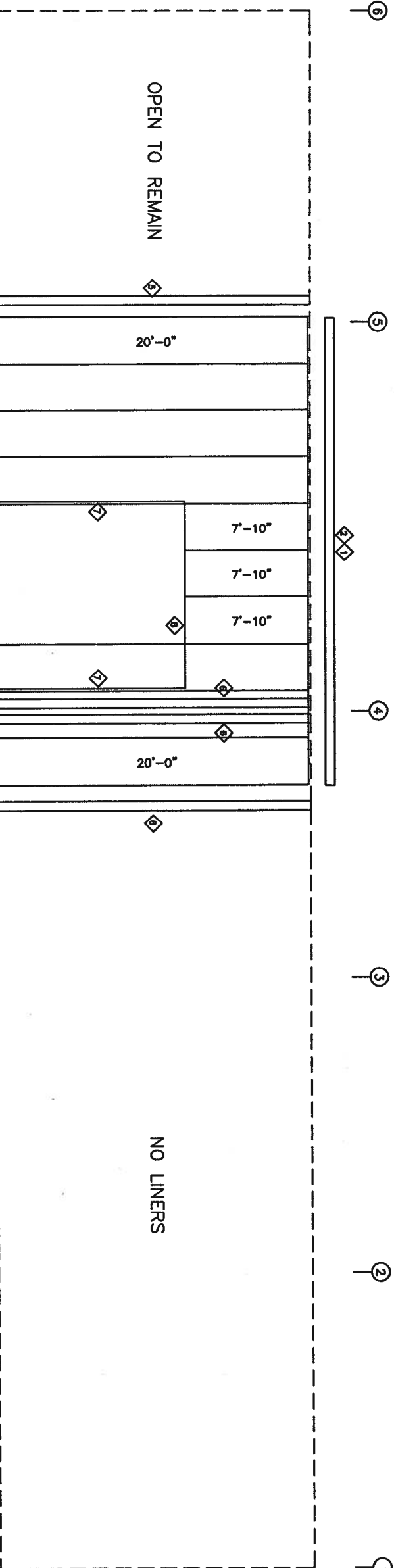
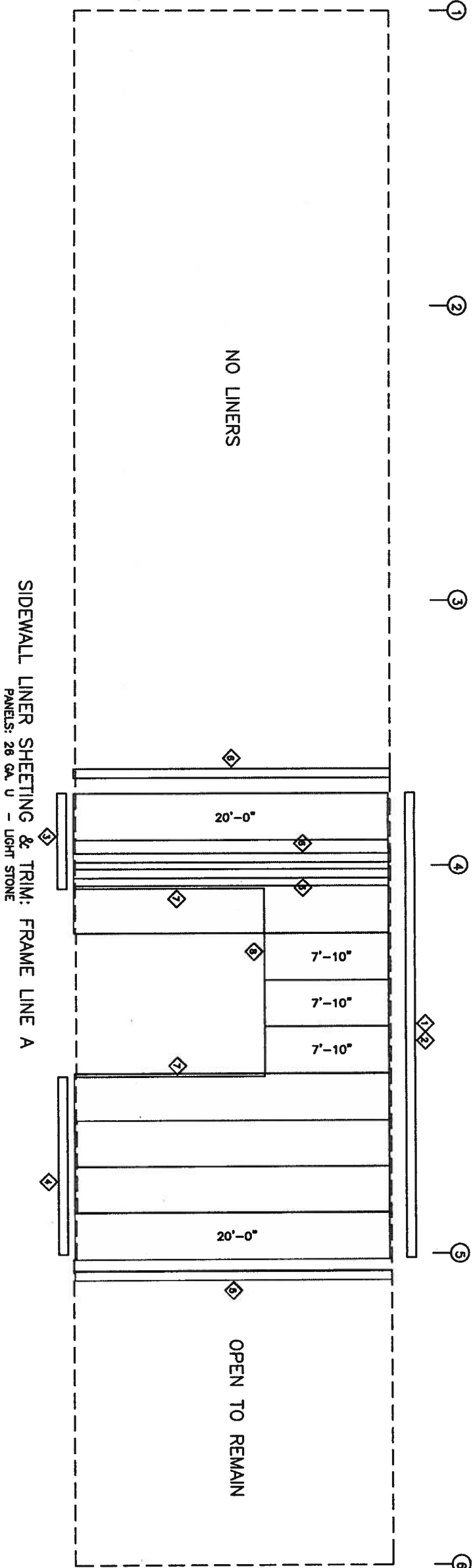
SBS STEEL BUILDING SYSTEMS, INC.		CUSTOMER: COSTAGNA CONSTRUCTION, INC.	
JOB NO: 06-07-175		DATE: 7/13/06	
LOCATION: LAKE CITY, FLORIDA			
DRAWING NAME: INSULATION DETAILS		SCALE: NONE	
DRAWING NO: PAGE 10.1		DRAWN BY: MSS	
		CHECKED BY:	

STRUCTURAL STAMP

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[Handwritten Signature]

LINER TRIM TABLE		
FRAME LINE A & E		
ID	PART	LENGTH
1	U HEAD	20'-3"
2	U HEAD	10'-0"
3	U HEAD	6'-6"
4	U HEAD	11'-6"
5	I/S CORN	20'-0"
6	U JAMB	20'-0"
7	U JAMB	12'-3"
8	U HEAD	12'-3"



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STRUCTURAL STAMP

SBS STEEL BUILDING SYSTEMS, INC.

CUSTOMER:
COSTAGNA CONSTRUCTION, INC.

JOB NO.: 06-07-175 DATE: 7/13/06

REVISIONS
[1] 09/06/06 LOCATION: LAKE CITY, FLORIDA

[2] DRAWING NAME: SIDEWALL LINER PANELS & TRIM SCALE: NONE

[3] DRAWING NO.: MSS CHECKED BY: