DATE 02/16/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027635

APPLICANT JOHN NORRIS PHONE 961-4549

ADDRESS 351 NW CORWIN GLEN FL 32055

OWNER LEWIS WALKER PHONE 386 234-0417

ADDRESS 119 SW WALKER WAY FT. WHITE FL 32038

CONTRACTOR JOHN NORRIS PHONE 961-4549

LOCATION OF PROPERTY 47S, TR ON 27, SITE ON LEFT

TYPE DEVELOPMENT ICE MACH. STATION ESTIMATED COST OF CONSTRUCTION 60000.00

HEATED FLOOR AREA 65.25 TOTAL AREA 65.25 HEIGHT ____ STORIES ____

FOUNDATION ____ WALLS ____ ROOF PITCH ____ FLOOR ____

LAND USE & ZONING FT. WHITE MAX. HEIGHT ____

Minimum Set Back Requirments: STREET-FRONT ____ REAR ____ SIDE ____

NO. EX.D.U. ____ FLOOD ZONE FW DEVELOPMENT PERMIT NO. ____

PARCEL ID 33-6S-16-14425-000 SUBDIVISION ____

LOT ____ BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES 0.43

		RG0066597		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
FDOT	X09-039	BK	RJ	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: TOWN OF FT. WHITE LETTER ON FILE, NOC ON FILE

Check # or Cash 1030

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 $ 300.00 CERTIFICATION FEE $ 0.33 SURCHARGE FEE $ 0.33

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

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ ____ CULVERT FEE $ ____ **TOTAL FEE** 300.66

INSPECTORS OFFICE ____ CLERKS OFFICE CH

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."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

- CK# 1030 - permit -
CK# 1229 - impact

Columbia County Building Permit Application

For Office Use Only Application # 0902-09 Date Received 2/9 By JW Permit # 27635

Zoning Official BLK Date 10.02.09 Flood Zone X Land Use _____ Zoning _____

FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner _____ Date 2/10/09

Comments Town of Ft White Compliance Letter

NOC EH Deed or PA Site Plan 1977. Wmc State Road Info Parent Parcel # _____

Dev Permit # _____ In Floodway need Letter of Auth. from Contractor F W Comp. letter

IMPACT FEES: EMS $6.55 Fire $25.55 Corr N/A Road/Code N/A

School N/A = TOTAL $32.10

Septic Permit No. _____ 386 234-0417 Mike Fax _____

Name Authorized Person Signing Permit John Norris Phone (386) 961-4549

Address 351 NW Corwin Gln, Lake City, FL 32055

Owners Nam D. LEWIS WALKER Phone (386) 234-0417

911 Address 119 SW Walker Way Fort White, Fl. 32038

Contractors Name John Norris Phone _____

Address 351 NW Corwin Gln Lake City, Fl. 32055

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address GTC Design Group

Mortgage Lenders Name & Address —

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

Property ID Number 00-00-00-14425-000 Block 55 Estimated Cost of Construction $60,000

Subdivision Name _____ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions State Road 47 to Fort White, Right on 27 be on left

_____ Number of Existing Dwellings on Property ____

Construction of Ice Machine Station Total Acreage 0.431 Lot Size _____

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____

Actual Distance of Structure from Property Lines - Front _____ Side _____ Side _____ Rear _____

Number of Stories 1 Heated Floor Area 0 Total Floor Area 65.25 Roof Pitch 1/12

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.

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law. those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments. the people who are owed money may look to your property for payment. even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

Contractor's Signature (Permitee)

Contractor's License Number RG0066597
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 9th **day of** Feb **20**09.

Personally known ✓ **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor)

SEAL:

GALE TEDDER
MY COMMISSION # DD 805686
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 33-6S-16-14425-000 **Building permit No.** 000027635

Use Classification ICE MACH. STATION **Fire:** 0.00

Permit Holder JOHN NORRIS **Waste:**

Owner of Building LEWIS WALKER **Total:** 0.00

Location: 119 SW WALKER WAY, FT. WHITE

Date: 03/13/2009

Wayne A. Russ

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

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FORT WHITE: 90 FT E & W BY 120     WALKER LEWIS G                    00-00-00-14425-000                 Columbia County  2009 R
FT N & S IN NW COR OF BLOCK 55     P O BOX 82                                                                         CARD 001 of 001
ALSO  89 FT E & W BY 90 FT N &     FT WHITE, FL 32038                                PRINTED  1/09/2009 10:01           BY  JEFF
S IN SW COR SAID BLOCK 55.                                                           APPR     5/21/2007 LFDB
BUSE 000100 SINGLE FAM       AE? Y         928 HTD AREA      62.010 INDEX       16.00 DIST 4          PUSE   000100 SINGLE FAMILY
MOD   1 SFR            BATH        1.00      928 EFF AREA      31.625 E-RATE     100.000 INDX    STR  33- 6S- 16
EXW  26 ALM SIDING     FIXT                29348 RCN                                 1935 AYB    MKT AREA 02                  5,869 BLDG
  %     0000000000     BDRM           3     20.00 %GOOD       5,869 B BLDG VAL       1935 EYB    (PUD1                            0 XFOB
RSTR 03 GABLE/HIP      RMS                 ----------------------------------------------        AC           .431           75,240 LAND
RCVR 01 MINIMUM        UNTS                #FIELD CK:                                     #      NTCD                             0 AG
  %     N/A            C-W%                #LOC:   --                                     #      APPR CD                          0 MKAG
INTW 02 WALL BD/WD     HGHT                #                                              #      CNDO                        81,109 JUST
  %     N/A            PMTR                # +--------------32--------------+             #      SUBD                             0 CLAS
FLOR 09 PINE WOOD      STYS         1.0    # IBAS1993                       I             #      BLK
  %     N/A            ECON                # I                              I             #      LOT                              0 SOHD
HTTP 01 NONE           FUNC                # I                              I             #      MAP# 53-C                        0 ASSD
A/C  02 WINDOW         SPCD AP  50.00      # I                              I             #                                       0 EXPT
QUAL 01 01             DEPR 52             # I                              I             #      TXDT     004                     0 COTXBL
FNDN    N/A            UD-1     N/A        # I                              I             #
SIZE 02 L-SHAPED       UD-2     N/A        # 2                              2             # -------------- BLDG TRAVERSE -------------
CEIL    N/A            UD-3     N/A        # 9                              9             # BAS1993=W32 S29 E32 N29$.
ARCH    N/A            UD-4     N/A        # I                              I             #
FRME 01 NONE           UD-5     N/A        # I                              I             #
KTCH 01 01             UD-6     N/A        # I                              I             #
WNDO    N/A            UD-7     N/A        # I                              I             #
CLAS    N/A            UD-8     N/A        # I                              I             #
OCC     N/A            UD-9     N/A        # I                              I             #
COND 03 03                %     N/A        # +--------------32--------------+             #----------------- PERMITS ----------------
SUB   A-AREA  %  E-AREA   SUB VALUE #                                                     #  NUMBER       DESC           AMT     ISSUED
BAS93    928 100    928        5869 #                                                     #
                                    #                                                     #
                                    #                                                     # ------------------ SALE ------------------
                                    #                                                     # BOOK   PAGE     DATE                   PRICE
                                    #                                                     #   935     816  9/07/2001 Q I           25000
                                    #                                                     # GRANTOR THOMAS & DEBORAH BENEFIELD
                                    #                                                     # GRANTEE LEWIS G WALKER
                                    #                                                     #   781     625  9/30/1991 U I
                                    #                                                     # GRANTOR JOHN S BENEFIELD
TOTAL     928        928       5869 ------------------------------------------------------  GRANTEE THOMAS J BENEFIELD
-------EXTRA FEATURES-------------------------------- FIELD CK:                           -----------------------------------------
AE BN  CODE       DESC       LEN   WID HGHT QTY QL   YR  ADJ         UNITS UT      PRICE   ADJ UT PR   SPCD %    %GOOD  XFOB VALUE
-------------------------------------------------------------------------------------------------------------------------------------
    LAND    DESC          ZONE  ROAD {UD1 {UD3 FRONT DEPTH  FIELD CK:
AE  CODE                  TOPO  UTIL {UD2 {UD4  BACK    DT     ADJUSTMENTS            UNITS UT        PRICE   ADJ UT PR     LAND VALUE
Y 000100 SFR                                              1.00 1.00 1.00 1.00  18810.000  SF       4.000        4.00         75,240
 2009
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Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
Phone: 904/807-3300 ♦ Fax: 904/448-4366

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

January 25, 2008

Michael D. Cox
Polar Ice Express, Inc.
814 SW State Road 247
Lake City, Florida 32024

Re: Ice Machine Cleaning Wastewater Management Plan
Polar Ice Express, Inc.
Columbia County
IW Permit Exemption Approval

Dear Mr. Cox:

Reference is made to your January 22, 2008, request for an industrial wastewater discharge permitting exemption for the ice Machine cleaning activity at subject facility. Your proposed operation is an activity as described in Rule 62-620.200(1), Florida Administrative Code (F.A.C.), and will generate industrial wastewater as described in Rules 62-620.200(20), F.A.C.

In accordance with Rules 62-4.040, 62-620.300, and 62-660.300 F.A.C., the Department has evaluated your request and determined your proposed activity and discharge of industrial wastewater to be exempt from industrial wastewater permitting requirements. The granting of this exemption is based upon your adhering to the best management practices (BMPs) as described in your January 22, 2008, request. Any offsite discharge from the industrial activity to surface waters of the state would require the appropriate permit as described in Rule 62-660 F.A.C.

This exemption shall be terminated and the discharge re-evaluated under the applicable portions of Chapters 62-4, 62-620, 62-520, 62-522, and 62-660, F.A.C., if the facility or activity is substantially modified, or should the discharge be subsequently found to be materially incorrect or pose a threat to the environment or public health. Please note that the failure to conduct your activity as described in your January 22, 2008, request may result in enforcement action and civil penalties.

This exemption relates only to industrial wastewater permitting requirements of the Department and does not relieve you from the responsibility of obtaining any required

permits from other program areas within the Department, or required permits from other state, federal, or local agencies.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. Please see Attachment 1, "Notice of Rights" for additional information. If you have any questions regarding this matter, please call Kim Pearce at 904-807-3327.

Sincerely,

D. Ahn Vo, P.E.
Permitting Coordinator

Enclosure: Notice of Rights
ec: megan@americantitleservices.net (or fax 386-754-4028)
mark_lander@doh.state.fl.us

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on **January 25, 2008,** to the listed persons.

Clerk

FILING AND ACKNOWLEDGMENT

01/25/08
Date

NOTICE OF RIGHTS

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first.

Under Section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57 of the Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

(a) The name, address, and telephone number of each petitioner; the Department permit identification number and the county in which the subject matter or activity is located;
(b) A statement of how and when each petitioner received notice of the Department action;
(c) A statement of how each petitioner's substantial interests are affected by the Department action;
(d) A statement of the material facts disputed by the petitioner, if any;
(e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
(f) A statement of which rules or statutes the petitioner contends require reversal or modification of the Department action; and
(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final

decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573 of the Florida Statutes is not available for this proceeding.

This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

Any party to the order has the right to seek judicial review of the order under Section 120.68 of the Florida Statutes, by the filing of a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The Notice of Appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department.

FAX MEMORANDUM

MEMORANDUM

FLORIDA DEPARTMENT OF TRANSPORTATION

To: Mr. John Kerce, Dept. Director Columbia Co. Building & Zoning Dept. **Fax No: 386-758-2160**	**From:** Dale L. Cray, FDOT Permits Insp. **Date: 2-16-2009** Fax **No. 386-961-7183** **Attention: Col Co. Building Zoning Dept.**

( ) Sign and return. ( ) For your files. ( ) Please call me. **(XX)** FYI ( ) For Review

REF: Ft. White Ice House R/Way Imp. / Inspected On:2-12-2009
PROJECT: Ft. White Ice House
PARCEL ID No: N/A Permit No : N/A Sec No : N/A
MILE POST: N/A

Mr. Kerce :

Please accept this as our legal notice of final passing inspection for (Ft. White Ice House) for existing commercial driveway and internal roadway improvements. The project is located, State Hwy 27 Ft. White.

The existing Access has been inspected and (Approved) and, meets FDOT Standard Requirements.

If further information is required on this project please do not hesitate to contact this office for additional access permitting information details. My office number is 961-7193 or 961-7146.

Sincerely,

Dale L. Cray
Access Permits Inspector

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 2/17/2009 **DATE ISSUED:** 2/18/2009

ENHANCED 9-1-1 ADDRESS:

119 SW WALKERS WAY

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

00-00-00-14425-000

Remarks:

POLAR ICE EXPRESS

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1383

APPLICATION FOR SITE PLAN

SITE: 121 SW Walkers Way, west side Block 55, Fort White, Florida

OWNER: Lewis G. Walker

APPLICANT: Rajan Holdings, Inc.

ZONING: The current zoning Commercial General (CG).

USE: Portable Free Standing Ice Machine (See photo attached)

LDR compliance issues as questioned in writing by Planning and Zoning Board dated November 17, 2008with the of the Town of Fort White for the permitting of a portable Ice Delivery Unit.

1. **Sufficiency of statements on ownership and control:** An affidavit has been previously submitted to Planning and Zoning signed by Mr. Walker acknowledging the Lease Option to Purchase Agreement with Rajan Holdings, LLC. The agreement complies with the rules and regulations as set forth by the State of Florida and furthermore the agreement addresses the rights and obligations of the Lessee and Lessor. The Lease Option to Purchase Agreement grants all maintenance, insurance, utilities and liabilities and right of improvements to the property in the control of the Lessee.

2. **Intensity of the use of the proposed development with particular attention to its relationship to the adjacent and nearby properties and the effect on those properties and relationship to the Town Comprehensive Plan:** It is expected that the average per day customer will be approximately 70 units averaging 2.9 units per hour per a 24 hour period. Each customer will spend approximately 5 minutes at the site. Particular attention will be given to the parking and driveway lighting so as not to produce unwanted glare onto adjoining land or traffic. Currently Fort White does not have an automated ice machine and this site provides all of the requirements. When the rivers flood there is always a shortage ice and this unit will provide a great service to the community during these times as well as others.

3. **Ingress & egress onto Walkers Way:** As stated at the December 22, 2008 meeting of the Planning Board Rajan Holdings would agree to improve the intersection of Walkers Way

at the intersection of Highway 27 with DOT's recommendation of crushed millings and further improve with the same down Walkers Way to the point of and including the exit from the subject property back onto Walkers Way.

4. **Utilities:** Electrical service will be from Clay Electric transmission line and derived from the NW corner of the property as shown on the site plan.

5. **Water:** As shown on the site plan water will be derived from an existing meter located on the north property line. Potable city water usage will be in the range of 300 gallons per day.

6. **Septic Tank:** The property currently has a small, very old septic tank located between the existing structure and Walkers Way. It is the intent of Rajan Holdings, with the permission of the Town of Fort White, to remove or fill in this tank with the consideration from the Town of permitting a new septic system at a later date in the future.

7. **Off street parking and round about driveway:** There will be two 10'x15' diagonal parking spaces as well as a 15' X 20" concrete handicap parking space provided as per site plan. Each parking space will have parking bumpers and the handicap space will be designated by a handicap sign. There will be entrance and exit signs located at both points along Walkers Way. There will be directional arrow signs provided along round about driveway. As per recommendation of DOT and approval of SJRWMD the driveway and two parking spaces will be constructed of a pervious material such as millings or rock.

8. **Drainage & storm water management:** The current configuration and materials used to develop will not require a drainage basin according to SJRWMD. The lot is typically flat as is the surrounding lots. The ice machine produces water from its condensation process that is typically no more than a commercial air conditioner unit; however it is Rajan Holdings policy to use this water for its landscaping.

9. **Landscaping and appearance:** A total of 31 evergreen shrubs will be planted around drive entrance, ice unit and existing building. The plant variety will consist of miniature azaleas and fire power dwarf Nandina, which will grow to a height of 24" and do not require irrigation. Grass will be planted were needed. Although 31 new plants are cited for the site, however more may be used to create symmetry. Rajan Holdings, LLC through its Lease Option Agreement with Lewis Walker is responsible for the up keep and maintenance of the property.

10. **Parking lot and driveway lighting:** There will be double, dusk to dawn, flood lights located on each corner of the existing house to highlight the drive, parking and arrow signs for the drive. These lights will be pointing downward at an angle so as not to cause any unwanted glare to neighbors or oncoming traffic. There is also a florescent light under the canopy of the machine that will be facing Highway 27 to light the front of the machine. If after the install this is not sufficient lighting Rajan Holdings, LLC will install a night light on the existing power pole located in the NW corner of the property and facing the subject property.

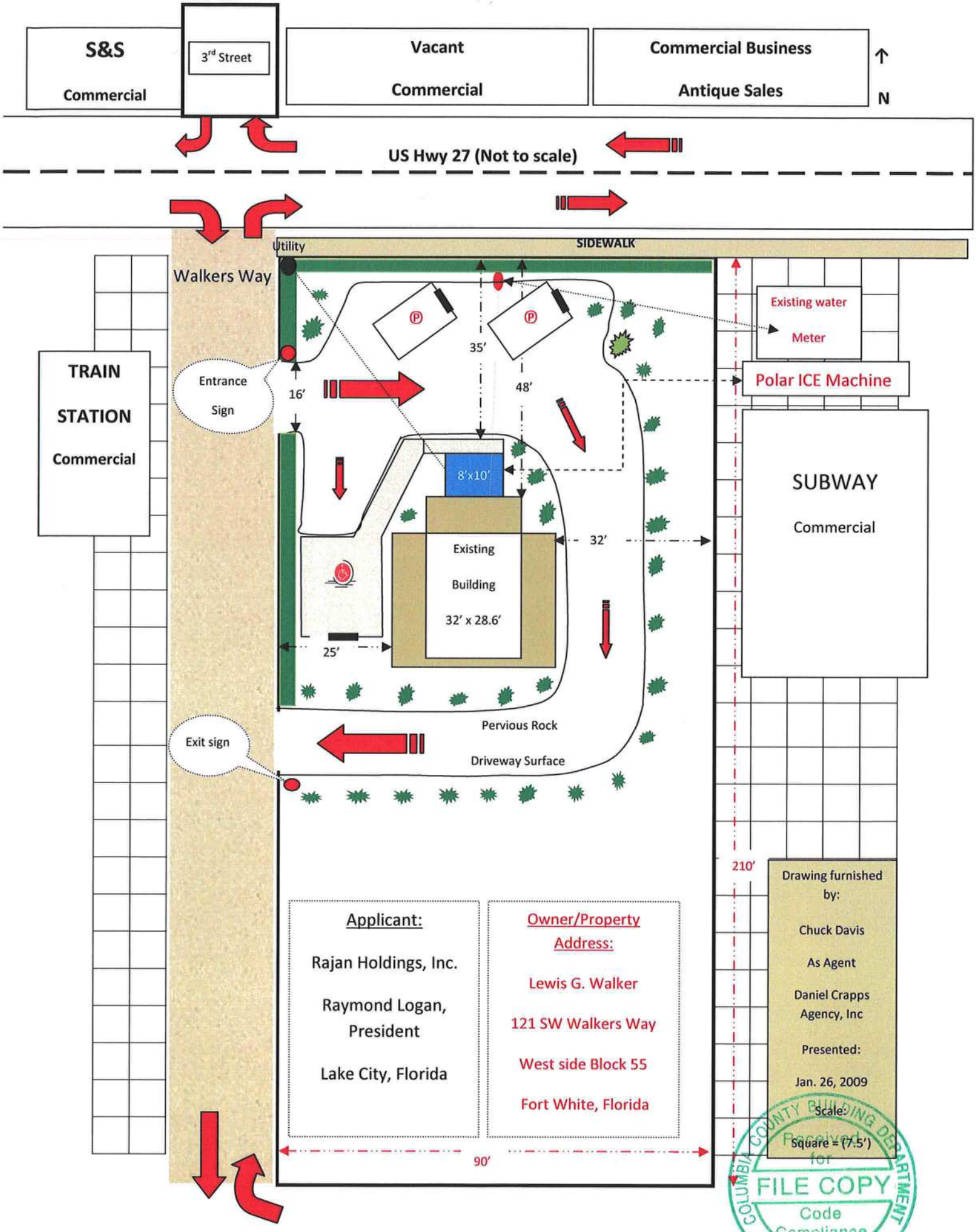
11. **Usage:** It is expected that the average per day visitors to the site will be approximately 70 units averaging 2.9 units per hour per 24 hour period.

12. **Solid Waste:** The operation of the machine does not produce any solid waste.

13. **Maintenance:** Lawn and landscape maintenance will be performed by private contractor hired by Rajan Holdings, LLC.

14. **Owners Affidavit:** An owner's affidavit has been delivered to the Planning Board.

15. **Drawings and Certifications:**
    - Constructional structured drawings for the unit have been delivered to the Planning Board
    - Stamped Structural and Wind Load Calculations have been provided to the Planning Board.
    - Compliance Letter from The Florida Department of Environmental Protection Agency had been delivered to the Planning Board
    - SRWMD certification has been delivered to the Planning Board


S&S
Commercial
3rd Street
Vacant
Commercial
Commercial Business
Antique Sales
N
US Hwy 27 (Not to scale)
Utility
SIDEWALK
Walkers Way
Existing water
Meter
Polar ICE Machine
TRAIN
STATION
Commercial
Entrance
Sign
16'
35'
48'
8'x10'
32'
Existing
Building
32' x 28.6'
25'
SUBWAY
Commercial
Pervious Rock
Driveway Surface
Exit sign
210'
90'
Applicant:
Rajan Holdings, Inc.
Raymond Logan,
President
Lake City, Florida
Owner/Property
Address:
Lewis G. Walker
121 SW Walkers Way
West side Block 55
Fort White, Florida
Drawing furnished
by:
Chuck Davis
As Agent
Daniel Crapps
Agency, Inc
Presented:
Jan. 26, 2009
Scale:
Square = (7.5')
COLUMBIA COUNTY BUILDING DEPARTMENT
Received
for
FILE COPY
Code
Compliance
PLANS EXAMINER

Columbia County Property Appraiser

DB Last Updated: 1/12/2009

2008 Tax Year

Tax Record | Property Card | Interactive GIS Map | Print

Parcel: 00-00-00-14425-000

Search Result: 1 of 1

Owner & Property Info

Owner's Name	WALKER LEWIS G		
Site Address			
Mailing Address	P O BOX 82 FT WHITE, FL 32038		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	16.00	**Tax District**	4
UD Codes	MKTA02	**Market Area**	02
Total Land Area	0.431 ACRES		
Description	FORT WHITE: 90 FT E & W BY 120 FT N & S IN NW COR OF BLOCK 55 ALSO 89 FT E & W BY 90 FT N & S IN SW COR SAID BLOCK 55. ORB 460-371, 781-625, 935-816,		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$75,240.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (1)	$5,869.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$81,109.00

Just Value	$81,109.00
Class Value	$0.00
Assessed Value	$81,109.00
Exempt Value	$0.00
Total Taxable Value	$81,109.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
9/7/2001	935/816	WD	I	Q		$25,000.00
9/30/1991	781/625	WD	I	U	02	$0.00
1/5/1981	460/371	LE	I	U	01	$0.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1935	Alum Siding (26)	928	928	$5,869.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	18810.000 SF - (.431AC)	1.00/1.00/1.00/1.00	$4.00	$75,240.00

Columbia County Property Appraiser DB Last Updated: 1/12/2009

OCTOBER 2008 LICENSE #: **2008-049**

OCCUPATIONAL/BUSINESS LICENSE

TOWN OF FORT WHITE COLUMBIA COUNTY, FLORIDA

IN CONSIDERATION of the sum of ___*TWENTY – FIVE* **$25.00** DOLLARS,

PAID TO THE
COLLECTOR OF TAXES OF THE TOWN OF FORT WHITE, FLORIDA

POLAR ICE EXPRESS, LLC

IS HEREBY LICENSED TO ENGAGE IN OR MANAGE THE BUSINESS OF OCCUPATION OF

ICE DELIVERY STATION

PHYSICAL ADDRESS: **121 SW Walker Way Fort White, FL 32038**

FOR THE PERIOD

COMMENCING OCTOBER 1, 2008, AND ENDING SEPTEMBER 30, 2009,

TRUETT GEORGE, MAYOR

JANICE E. REVELS, CLERK

THIS LICENSE WILL APPLY ONLY TO THE PARCEL OF LAND LISTED AS THE PHYSICAL ADDRESS ON THIS APPLICATION

Inst:200912001943 Date:2/9/2009 Time:8:44 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1166 P:2522

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 00-00-00-14425-000

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*: 00-00-00-14425-000 Ft White 90ft E & W 120ft
   a) Street *(job)* Address: 121 SW Walkers Way, Ft White Fl 32038
2. General description of improvements: _____
3. Owner Information
   a) Name and address: Lewis G. Walker PO Box 82 Ft White Fl 32038
   b) Name and address of fee simple titleholder (if other than owner) N/A
   c) Interest in property owner
4. Contractor Information
   a) Name and address: _____
   b) Telephone No.: _____ Fax No. (Opt.) _____
5. Surety Information
   a) Name and address: _____
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
   a) Name and address: _____
   b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served
   a) Name and address: N/A
   b) Telephone No.: N/A Fax No. (Opt.) N/A
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes:
   a) Name and address: N/A
   b) Telephone No. N/A Fax No. (Opt.) N/A
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. _____
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Lewis Walker
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 03 day of Feb, 20 09, by:

Lewis Walker as owner **(type of authority, e.g. officer, trustee, attorney fact) for** _____ **(name of party on behalf of whom instrument was executed).**

Personally Known ✓ OR Produced Identification ____ Type _____

Notary Signature Barbara A. Johnston Notary Stamp or Seal:

BARBARA A. JOHNSTON
Notary Public, State of Florida
My comm. expires May 06, 2011
No. DD670431
Bonded thru Ashton Agency, Inc. (800)451-4854

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

_____
Signature of Natural Person Signing (in line #10 above.)

Town of Fort White

Post Office Box 129 Fort White, Florida 32038-0129
Town Hall - (386) 497-2321 • Public Works - (386) 497-3345 • Fax (386) 497-4946
Email: townofftwhite@alltel.net • Web site: Townoffortwhitefl.com

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

FILE No. **08-005**

OWNER'S NAME: Raymond Logan Polar Ice Express, LLC

ADDRESS: 535 NW Amanda St. Lake City, FL 32055

PROPERTY DESCRIPTION: 121 SW Walker Way Fort White, FL 32038
w/ parcel number 0.431 acres parcel #14425-000 Block 55

DEVELOPMENT: Ice Delivery Station

You are hereby authorized to issue the appropriate permits

Please fax a copy of the Applicants permit to 386-497-4946

2-02-09
DATE

Janice E. Revels Janice Revels
LDR ADMINISTRATOR RD
Town of Fort White

GTC DESIGN GROUP

STRUCTURAL AND WIND LOAD CALCULATIONS

For

North FL Vending, LLC
Building and Awning Analysis
Model Polar Vend

Calculation Index

APPROVED BY

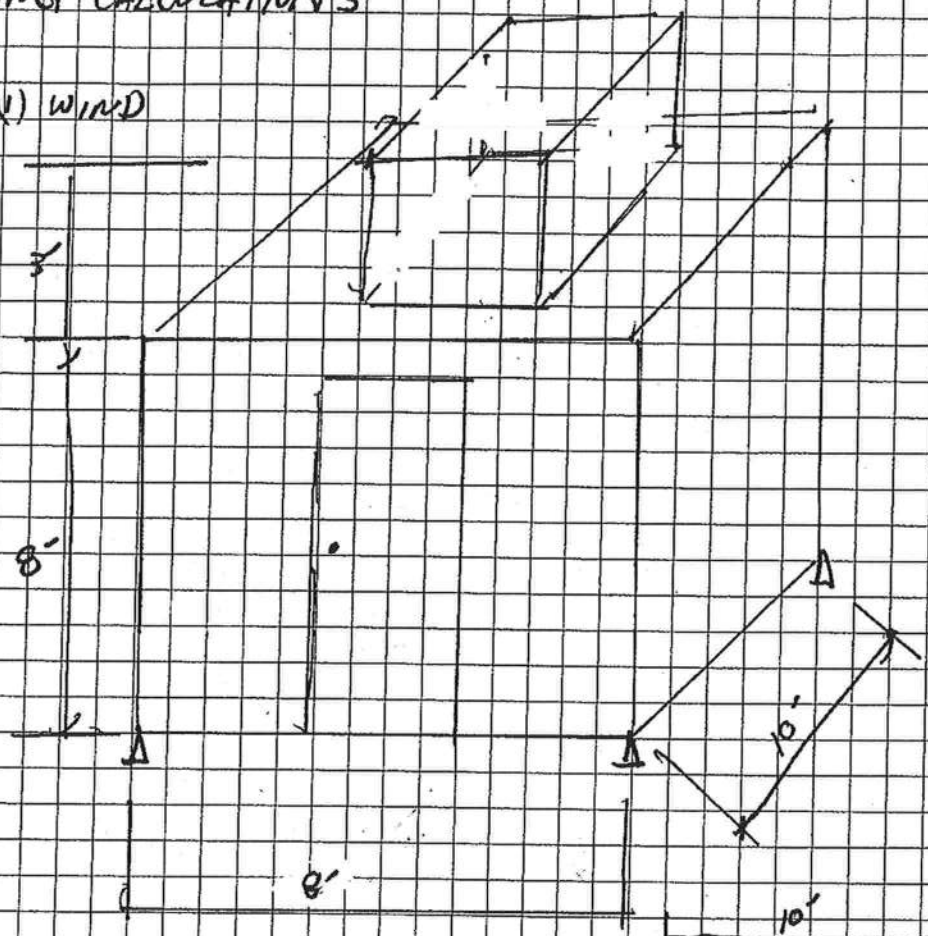
SEP 20 2008

PSI MODULAR DIVISION

Gary Gill, P.E. 51942
P.O. Box 187
130 West Howard Street
Live Oak, FL 32064
Ph. (386) 362-3678
Fax (386) 362-6133
AUTH # 9461

BUILDING CALCULATIONS

1) WIND



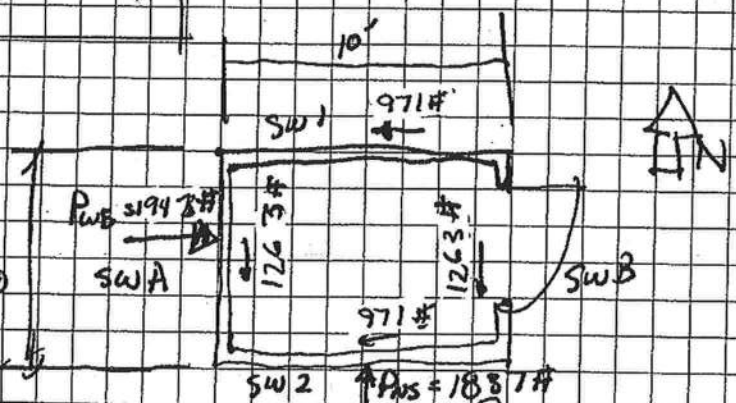
DESIGN PARAMETERS

V = 150 mph
STR. CAT. II
EXP = C
BLDG HT = 11'
IMP. FACTOR = 1.0

$$P_{WA} = 44.4 psf \frac{(8 \times 11)}{2} = 1942.2\ lbf$$

(projected height)

$$P_{WB} = 45.93 \frac{(10 \times 11)}{2} = 2524.15\ lbf$$



SHEARWALL PLAN

SW = SHEARWALL SEGMENT

PWA, PWB = Resultant WIND LOAD FORCE

SUBJECT			
SHEARWALL LAYOUT	LIVE OAK OFFICE 130 WEST HOWARD STREET LIVE OAK, FL 32064 PH: 386.362.3678	GTC DESIGN GROUP, LLC P.O. BOX 187 LIVE OAK, FL 32064 STRUCTURAL/CIVIL ENGINEERS FAX: 386.362.6133 www.gtcdesigngroup.com	LAKE CITY OFFICE 930 SW BAYA DRIVE LAKE CITY, FL 32055 PH: 386.754.3677	PROJECT #: PROJECT NAME: DATE: ENGINEER:

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Analysis by: D. Shiver **Company Name:** GTC DESIGNGROUP
Description: North Florida Vending

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	150	mph
Struc Category (I, II, III, or IV	II	
Exposure (B, C, or D)	C	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	0.1	:12
Slope of Roof (Theta)	0.5	Deg
Type of Roof	Monoslope	
Kd (Directionality Factor)	0.85	
Eave Height (Eht)	12.50	ft
Ridge Height (RHt)	13.00	ft
Mean Roof Height (Ht)	12.75	ft
Width Perp. To Wind Dir (B)	7.91	ft
Width Paral. To Wind Dir (L)	9.91	ft

Calculated Parameters		
Type of Structure		
Height/Least Horizontal Dim	1.61	
Flexible Structure	No	

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table 6-2 Values		
Alpha =	9.500	
zg =	900.000	
At =	0.105	
Bt =	1.000	
Bm =	0.650	
Cc =	0.200	
l =	500.00	ft
Epsilon =	0.200	
Zmin =	15.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	15.00	ft
Izm	Cc * (33/z)^0.167	0.2281	
Lzm	l*(zm/33)^Epsilon	427.06	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.9563	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.9020	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

Fig 6-5 Internal Pressure Coefficients for Buildings, Gcpi

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

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz	Pressure (lb/ft^2)						
				Windward Wall*		Leeward Wall		Total	Shear	Moment
ft			lb/ft^2	+GCpi	-GCpi	+GCpi	-GCpi	+/-Gcpi	(Kip)	(Kip-ft)
15	0.85	1.00	41.56	20.78	35.74	-23.36	-8.40	44.14	5.24	39.28

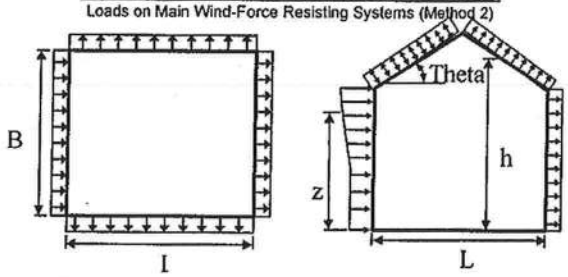
Note: 1) Positive forces act toward the face and Negative forces act away from the face.

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Figure 6-6 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.85	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	41.56	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.85	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	41.56	psf

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

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

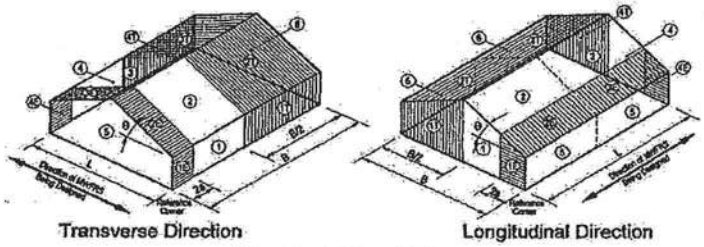
Calculations for Wind Normal to 7.91 ft Face *Additional Runs may be req'd for other wind directions*	Cp	Pressure (psf) +GCpi	Pressure (psf) -GCpi
Leeward Walls (Wind Dir Normal to 7.91 ft wall)	-0.45	-23.36	-8.40
Leeward Walls (Wind Dir Normal to 9.91 ft wall)	-0.50	-25.14	-10.18
Side Walls	-0.70	-32.21	-17.25
Overhang Bottom (Applicable on Windward only)	0.80	28.26	28.26
Roof - Wind Normal to Ridge (Theta<10) - for Wind Normal to 7.91 ft face			
Dist from Windward Edge: 0 ft to 25.5 ft - Max Cp	-0.18	-13.84	1.12
Dist from Windward Edge: 0 ft to 6.375 ft - Min Cp	-1.30	-53.41	-38.44
Dist from Windward Edge: 6.375 ft to 7.91 ft - Min Cp	-0.70	-32.21	-17.25
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 9.91 ft face			
Dist from Windward Edge: 0 ft to 25.5 ft - Max Cp	-0.18	-13.84	1.12
Dist from Windward Edge: 0 ft to 6.375 ft - Min Cp	-1.30	-53.41	-38.44
Dist from Windward Edge: 6.375 ft to 9.91 ft - Min Cp	-0.70	-32.21	-17.25
Dist from Windward Edge: 12.75 ft to 7.91 ft - Min Cp	-0.70	-32.21	-17.25

* Horizontal distance from windward edge

Figure 6-10 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.85
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	41.56
Theta =	Angle of Roof	=	0.5 Deg



Transverse Direction

Longitudinal Direction

Torsional Load Cases

WIND02 v2-21

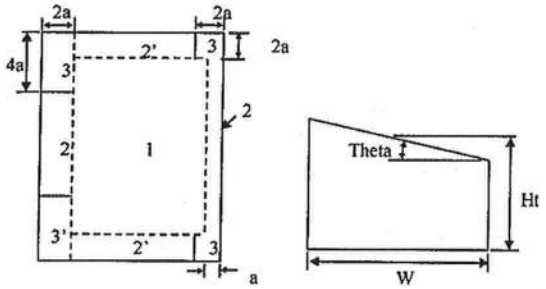
Detailed Wind Load Design (Method 2) per ASCE 7-02

Wind Pressures on Main Wind Force Resisting System						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.40	0.18	-0.18	41.56	9.14	24.11
2	-0.69	0.18	-0.18	41.56	-36.16	-21.20
3	-0.37	0.18	-0.18	41.56	-22.86	-7.90
4	-0.29	0.18	-0.18	41.56	-19.53	-4.57
5	-0.45	0.18	-0.18	41.56	-26.18	-11.22
6	-0.45	0.18	-0.18	41.56	-26.18	-11.22
1E	0.61	0.18	-0.18	41.56	17.87	32.83
2E	-1.07	0.18	-0.18	41.56	-51.95	-36.99
3E	-0.53	0.18	-0.18	41.56	-29.51	-14.55
4E	-0.43	0.18	-0.18	41.56	-25.35	-10.39

* p = qh * (GCpf - GCpi)

Figure 6-11 - External Pressure Coefficients, GCp

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



Note: The image shows a Gabled roof, but Fig 6-11 also applies to some monoslope cases

a = 0.791 ==> 3.00 ft

Double Click on any data entry line to receive a help Screen

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2	
					Max	Min	Max	Min
ROOF	10	1	10.00	1	0.30	-1.00	19.95	-49.04
ROOF EDGE	10	1	10.00	2	0.30	-1.80	19.95	-82.29
WALL	10	1	10.00	4	0.90	-0.99	44.89	-48.63
WALL EDGE	10	1	10.00	5	0.90	-1.26	44.89	-59.85
ROOF EDGE	10	1	10.00	2H	0.30	-1.70	12.47	-70.65

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

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Analysis by: D. Shiver **Company Name:** GTC DESIGNGROUP
Description: North Florida Vending - Direction 2

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	150	mph
Struc Category (I, II, III, or IV	II	
Exposure (B, C, or D)	C	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	0.1	:12
Slope of Roof (Theta)	0.5	Deg
Type of Roof	Monoslope	
Kd (Directionality Factor)	0.85	
Eave Height (Eht)	12.50	ft
Ridge Height (RHt)	13.00	ft
Mean Roof Height (Ht)	12.75	ft
Width Perp. To Wind Dir (B)	9.91	ft
Width Paral. To Wind Dir (L)	7.91	ft

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table 6-2 Values		
Alpha =	9.500	
zg =	900.000	
At =	0.105	
Bt =	1.000	
Bm =	0.650	
Cc =	0.200	
l =	500.00	ft
Epsilon =	0.200	
Zmin =	15.00	ft

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	1.61
Flexible Structure	No

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	15.00	ft
Izm	Cc * (33/z)^0.167	0.2281	
Lzm	l*(zm/33)^Epsilon	427.06	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.9539	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.9007	
Gust Factor Summary			
G	Since this is not a flexible structure the fessor of Gust1 or Gust2 are used	0.85	

Fig 6-5 Internal Pressure Coefficients for Buildings, Gcpi

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

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz	Pressure (lb/ft^2)						
				Windward Wall*		Leeward Wall		Total	Shear	Moment
ft			lb/ft^2	+GCpi	-GCpi	+GCpi	-GCpi	+/-Gcpi	(Klp)	(Klp-ft)
15	0.85	1.00	41.56	20.78	35.74	-25.14	-10.18	45.93	6.83	51.20

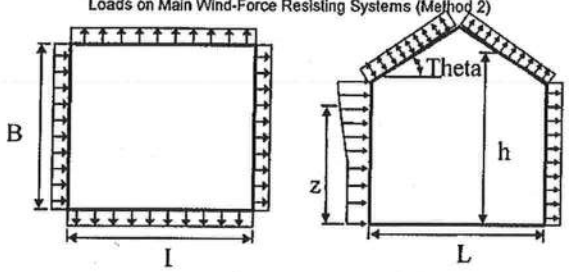
Note: 1) Positive forces act toward the face and Negative forces act away from the face.

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Figure 6-6 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.85	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	41.56	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.85	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	41.56	psf

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

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

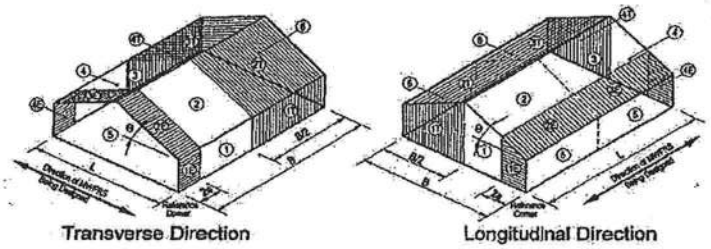
Calculations for Wind Normal to 9.91 ft Face *Additional Runs may be req'd for other wind directions*	Cp	Pressure (psf) +GCpi	 -GCpi
Leeward Walls (Wind Dir Normal to 9.91 ft wall)	-0.50	-25.14	-10.18
Leeward Walls (Wind Dir Normal to 7.91 ft wall)	-0.45	-23.36	-8.40
Side Walls	-0.70	-32.21	-17.25
Overhang Bottom (Applicable on Windward only)	0.80	28.26	28.26
Roof - Wind Normal to Ridge (Theta<10) - for Wind Normal to 9.91 ft face			
Dist from Windward Edge: 0 ft to 25.5 ft - Max Cp	-0.18	-13.84	1.12
Dist from Windward Edge: 0 ft to 6.375 ft - Min Cp	-1.30	-53.41	-38.44
Dist from Windward Edge: 6.375 ft to 9.91 ft - Min Cp	-0.70	-32.21	-17.25
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 7.91 ft face			
Dist from Windward Edge: 0 ft to 25.5 ft - Max Cp	-0.18	-13.84	1.12
Dist from Windward Edge: 0 ft to 6.375 ft - Min Cp	-1.30	-53.41	-38.44
Dist from Windward Edge: 6.375 ft to 7.91 ft - Min Cp	-0.70	-32.21	-17.25
Dist from Windward Edge: 12.75 ft to 9.91 ft - Min Cp	-0.70	-32.21	-17.25

* Horizontal distance from windward edge

Figure 6-10 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.85
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	41.56
Theta =	Angle of Roof	=	0.5 Deg



Transverse Direction Longitudinal Direction

Torsional Load Cases

WIND02 v2-21

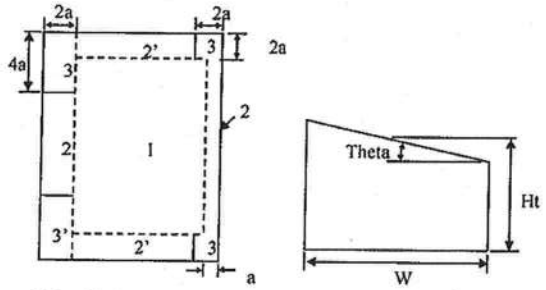
Detailed Wind Load Design (Method 2) per ASCE 7-02

Wind Pressures on Main Wind Force Resisting System						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.40	0.18	-0.18	41.56	9.14	24.11
2	-0.69	0.18	-0.18	41.56	-36.16	-21.20
3	-0.37	0.18	-0.18	41.56	-22.86	-7.90
4	-0.29	0.18	-0.18	41.56	-19.53	-4.57
5	-0.45	0.18	-0.18	41.56	-26.18	-11.22
6	-0.45	0.18	-0.18	41.56	-26.18	-11.22
1E	0.61	0.18	-0.18	41.56	17.87	32.83
2E	-1.07	0.18	-0.18	41.56	-51.95	-36.99
3E	-0.53	0.18	-0.18	41.56	-29.51	-14.55
4E	-0.43	0.18	-0.18	41.56	-25.35	-10.39

* p = qh * (GCpf - GCpi)

Figure 6-11 - External Pressure Coefficients, GCp

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



Note: The image shows a Gabled roof, but Fig 6-11 also applies to some monoslope cases

a = 0.791 ==> 3.00 ft

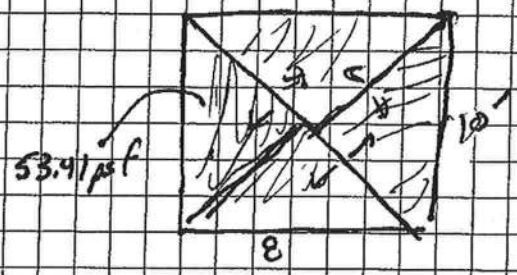
Double Click on any data entry line to receive a help Screen

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2	
					Max	Min	Max	Min
ROOF	10	1	10.00	1	0.30	-1.00	19.95	-49.04
ROOF EDGE	10	1	10.00	2	0.30	-1.80	19.95	-82.29
WALL	10	1	10.00	4	0.90	-0.99	44.89	-48.63
WALL EDGE	10	1	10.00	5	0.90	-1.26	44.89	-59.85
ROOF EDGE	10	1	10.00	2H	0.30	-1.70	12.47	-70.65

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

UPLIFT on ROOF

$P_{00} = 53.41$ psf

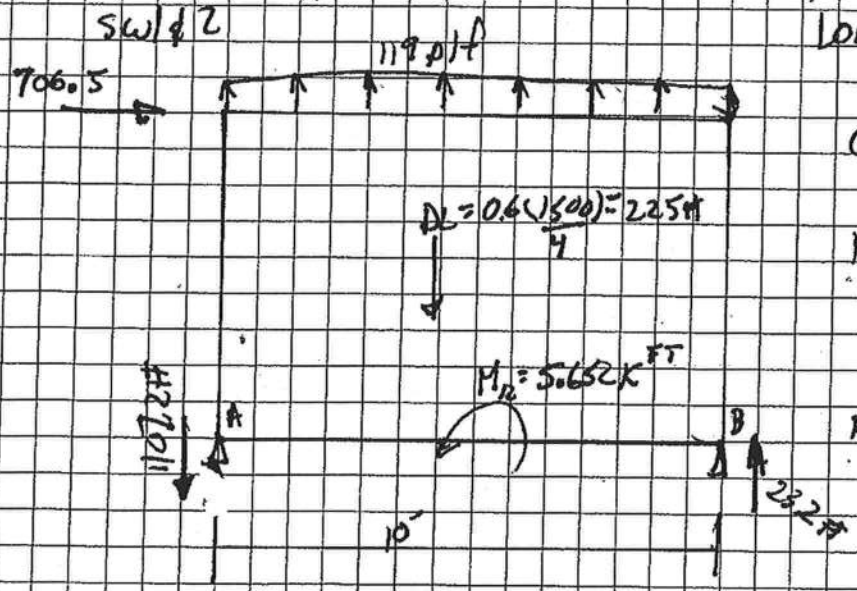


WOOD SIDE $= \frac{53.41 \text{ psf} (8 \times 10)}{(8+8+10+10)} = 119$ plf ALONG EDGES

(2) DEAD LOAD

$P_D = 1500$ lb (ROOF, WALLS, & EQUIP)

SHEARWALL SEGMENT ANALYSIS



LOAD COMBINATION

0.6 DL + 0.6 WL

MAX TENSILE LOAD @ PT A

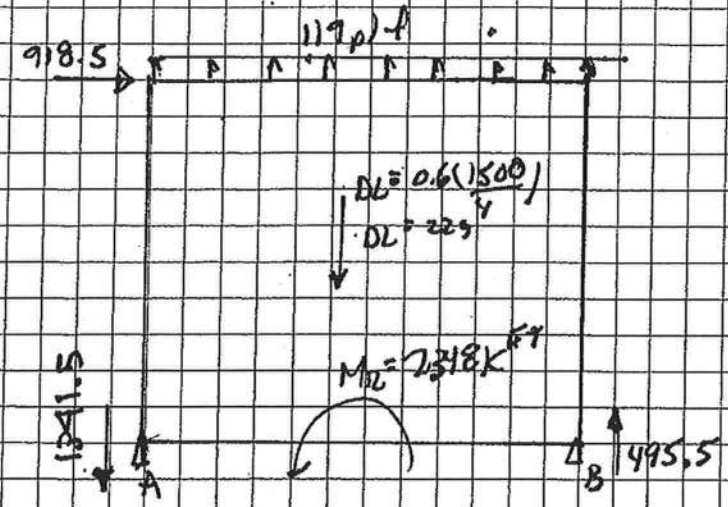
$f_t = 927.12$ psi

FIBERGLASS MAX TENSILE YIELD STRESS:

$F_t = 20,000$ WORKING STRESS

SUBJECT			
UPLIFT & SHEARWALL #2 CALCULATIONS	LIVE OAK OFFICE 130 WEST HOWARD STREET LIVE OAK, FL 32064 PH: 386.362.3678	GTC DESIGN GROUP, LLC P.O. BOX 187 LIVE OAK, FL 32064 STRUCTURAL/CIVIL ENGINEERS FAX: 386.362.6133 www.gtcdesigngroup.com	LAKE CITY OFFICE 930 SW BAYA DRIVE LAKE CITY, FL 32055 PH: 386.754.3677	PROJECT #: PROJECT NAME: DATE: ENGINEER:

SW A

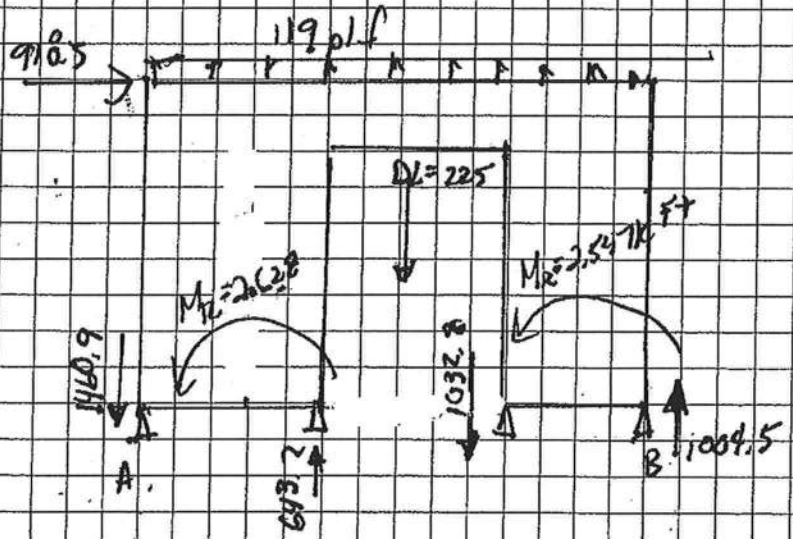


0.6 DL + LL

MAX STRESS @ PT A

f_b = 1106.24 psi

SW B



0.6 DL + LL

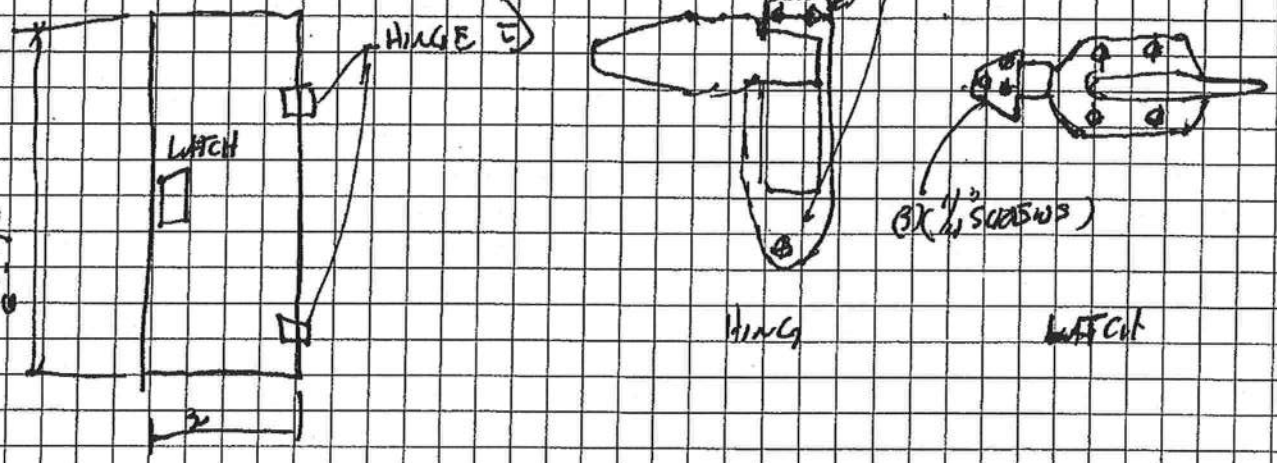
f_b = 1311 psi

WIND PRESSURE & FORCES @ ENTRY DOOR

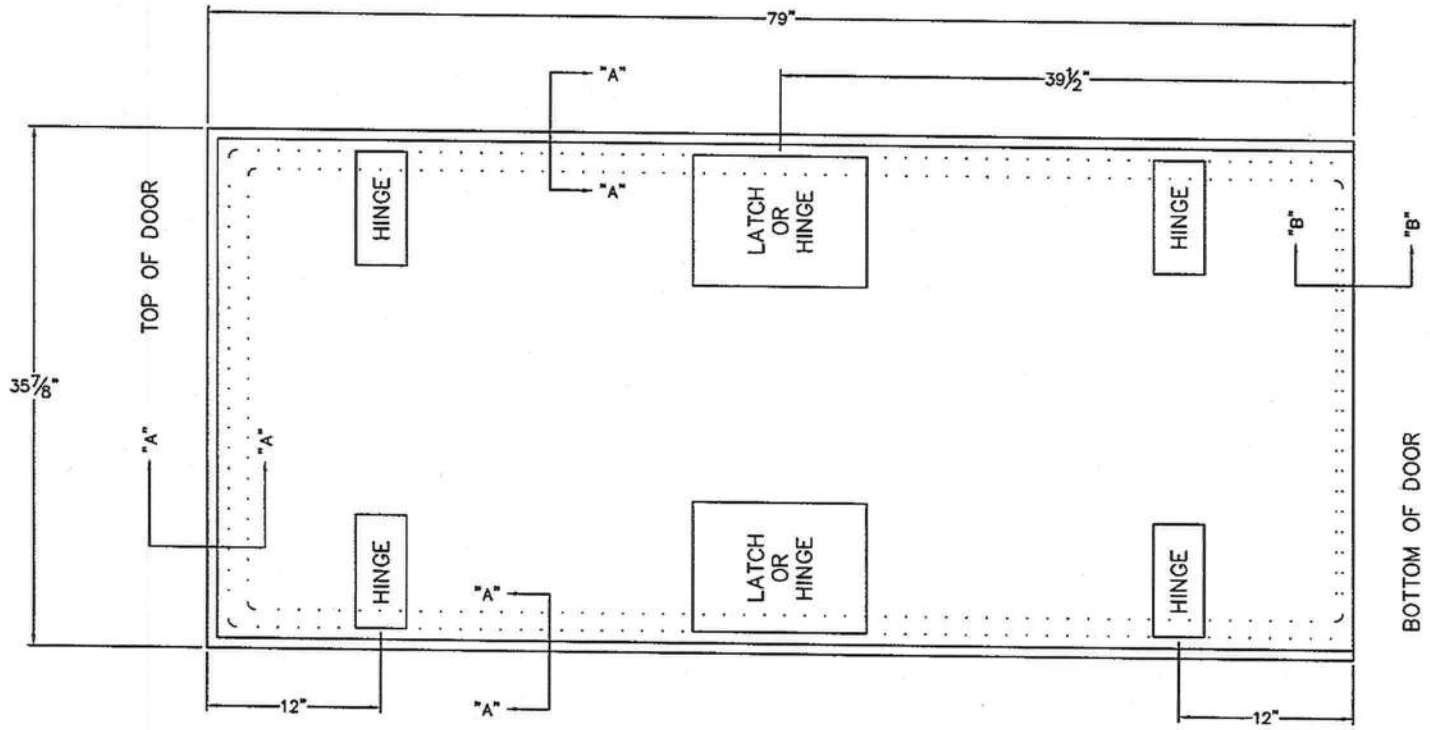
- PRESSURE @ ZONE 4 CLADDING & COMPONENTS

$p = -48.63$ psf DOOR SIZES: $3' \times 6'-7"$ $A_{door} = 19.75$ ft^2

SUCTION FORCE $P_s = -48.63(19.75) = 960$ lb

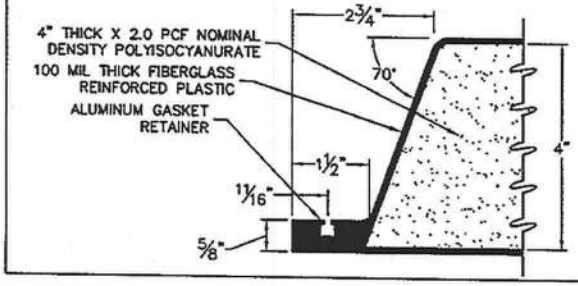


WITHDRAWAL ON SCREWS $= \frac{980\#}{9 \text{ SCREWS}} = \frac{980\#}{9} = 108.9$ lb

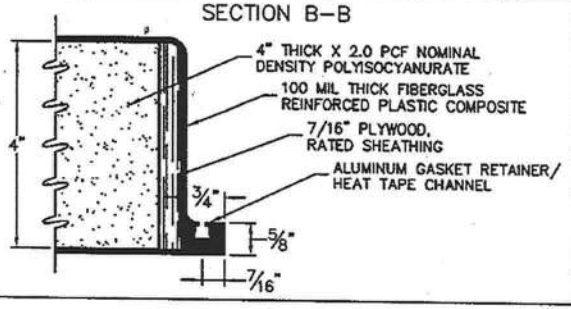


2X SPF DIMENSIONAL LUMBER REINFORCEMENT FOR HARDWARE

SECTION A–A



SECTION B–B



36" x 79" Nominal

4" Core Insulation

DRAWN BY:	MODEL NO.:	SCALE:	DATE:
MD Leppek		1"=1'-0"	1-18-07

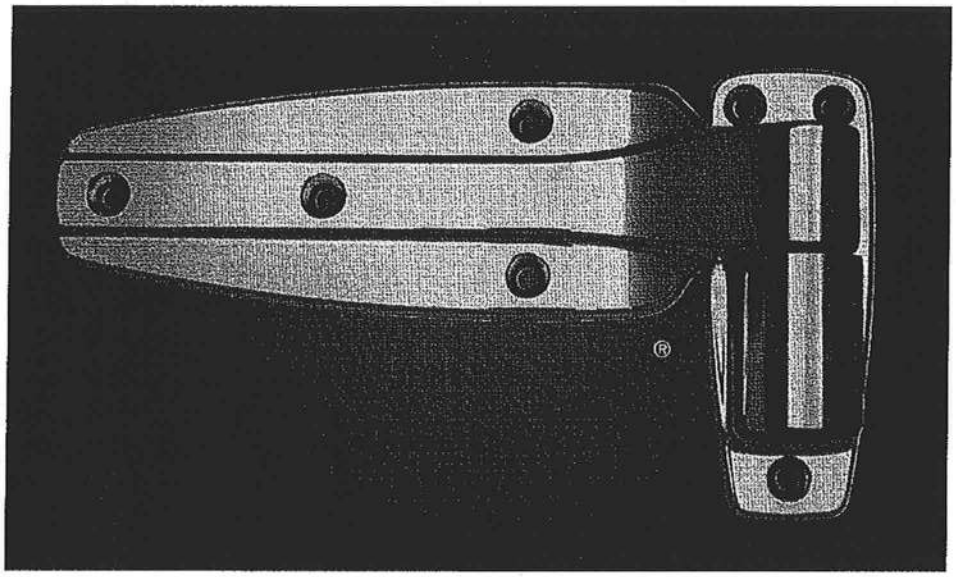
DRAWING NAME: 36 x 79 x 4 Door

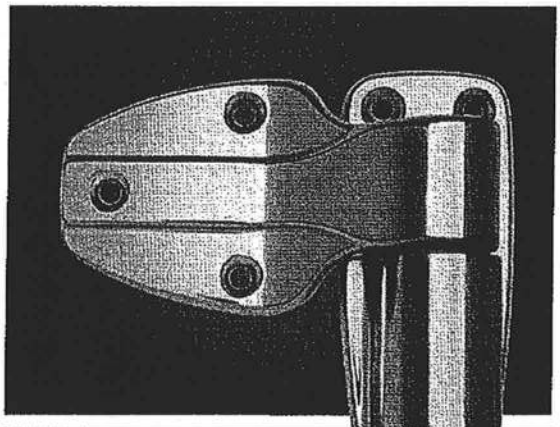
Polar King
INTERNATIONAL INC.
FORT WAYNE, INDIANA 1-800-752-7178

KASON REVERSIBLE CAM-RISE HINGES

NSF

ITEM # 1245





ITEM # 1246

NSF

REVERSIBLE CAM-RISE HINGES

- Industry standard self-closing cam-rise hinges.
- Door opens with minimum effort.
- Strong self-lubricating nylon cam delivers smooth, trouble-free door operation.
- Cam-rise action reduces gasket wear, even with irregular floors.
- Built-in dwell holds door open beyond 90°.
- Doors lift off without disassembly or removing hinges.
- Simple manual operation reverses hinges for use on right- or left-opening door.

SPECIFICATIONS

MATERIAL:
High pressure die-cast zinc with self-lubricating nylon cam.

FINISH:
See ordering information. Powder coated finishes available for severe environmental applications.

OFFSETS:
See ordering information.

MOUNTING:
Drilled and countersunk for 1/4" (6.0mm) flat head screws.

LOAD RATING:
See Hinge Selector Chart, Group D.

1245

PACKAGING:
3 pair per carton.

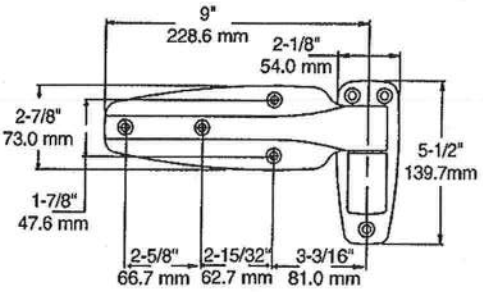
WEIGHT:
Approx. 18 lb. (8.2kg) per carton.

1246

PACKAGING:
3 pair per carton.

WEIGHT:
Approx. 12 lb. (5.4kg) per carton.

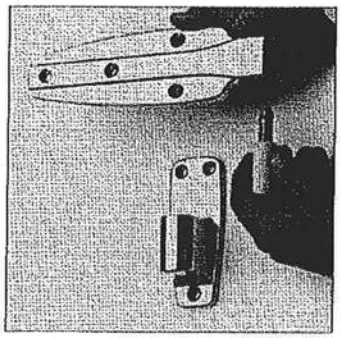
KASON



1245

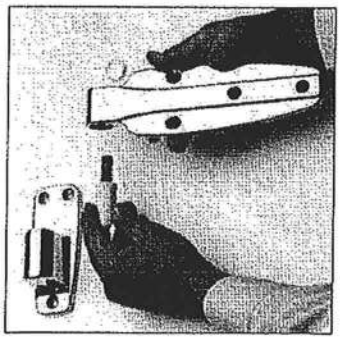
Model No.	Item	Offset	Finish
1245000004	Hinge	Flush (0.0 mm)	Tuffkote
1245000016	Hinge	1-1/8" (28.6 mm)	Tuffkote
1245000020	Hinge	1-1/4" (31.8 mm)	Tuffkote
1245000024	Hinge	1-3/8" (34.9 mm)	Tuffkote
1245000052	Hinge	1-1/2" (38.1 mm)	Tuffkote
1245000056	Hinge	1-5/8" (41.3 mm)	Tuffkote
1245000060	Hinge	1-3/4" (44.5 mm)	Tuffkote
1245000064	Hinge	1-7/8" (47.6 mm)	Tuffkote
1245000028	Hinge	Flush (0.0 mm)	Polished Chrome
1245000040	Hinge	1-1/8" (28.6 mm)	Polished Chrome
1245000044	Hinge	1-1/4" (31.8 mm)	Polished Chrome
1245000048	Hinge	1-3/8" (34.9 mm)	Polished Chrome
1245000068	Hinge	1-1/2" (38.1 mm)	Polished Chrome
1245000072	Hinge	1-5/8" (41.3 mm)	Polished Chrome
1245000076	Hinge	1-3/4" (44.5 mm)	Polished Chrome
1245000080	Hinge	1-7/8" (47.6 mm)	Polished Chrome
1245000082	Hinge	2" (50.8 mm)	Polished Chrome
1245000088	Hinge	Flush (0.0 mm)	Brushed Chrome
1245000112	Hinge	1-1/8" (28.6 mm)	Brushed Chrome
1245000116	Hinge	1-1/4" (31.8 mm)	Brushed Chrome
1245000120	Hinge	1-3/8" (34.9 mm)	Brushed Chrome
1245000124	Hinge	1-1/2" (38.1 mm)	Brushed Chrome
1245000128	Hinge	1-5/8" (41.3 mm)	Brushed Chrome
1245000132	Hinge	1-3/4" (44.5 mm)	Brushed Chrome
1245000136	Hinge	1-7/8" (47.6 mm)	Brushed Chrome
1245000138	Hinge	2" (50.8 mm)	Brushed Chrome

Model No.	Item	Offset	Finish
1246000004	Hinge	Flush (0.0 mm)	Tuffkote
1246000028	Hinge	Flush (0.0 mm)	Polished Chrome
1246000040	Hinge	Flush (0.0 mm)	Brushed Chrome

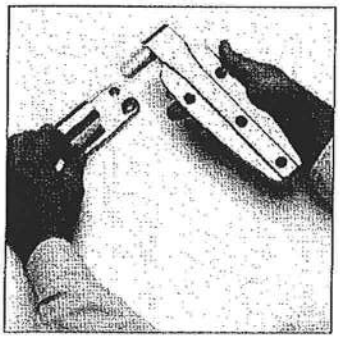


REVERSE HINGES IN MINUTES

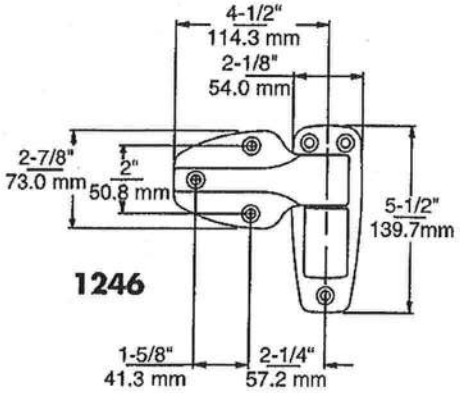
1. Lift strap from flange and remove pin assembly.



2. Pop out cap. Turn strap 180°, reinsert pin assembly in strap.



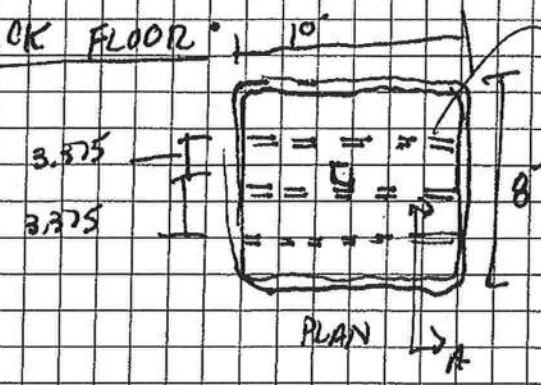
3. Reposition strap into flange and replace cap.

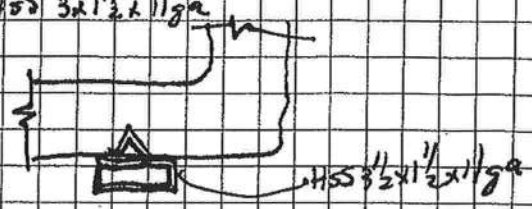


1246

KASON REVERSIBLE CAM-RISE HINGES

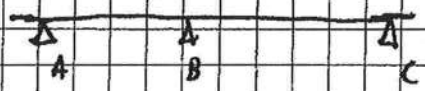
CHECK FLOOR





SECTION A

CHECK STRENGTH IN RUNNERS



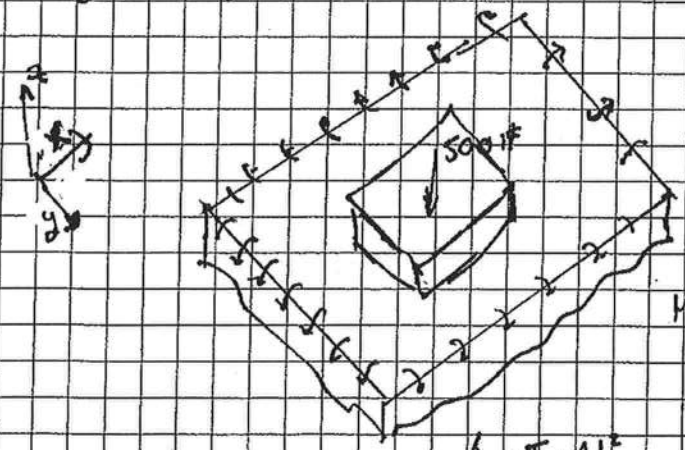
DL = 10 psf
LL = 125 psf

A500 GR46

MAX BENDING CODE = 0.832
MAX Δ = L/681

1000# POINT LOAD
MAX BENDING = 0.787
MAX Δ = L/564

ROOF ANALYSIS



DL = 25 psf
LL = 20 psf
EQUIPMENT LOAD = 500# @ MID
ASSUME 2WAY ACTION ON ROOF

MAX MOMENT IN "y" DIRECTION
M_y = 0.117 K-FT/FT @ EDGE
M_y = -0.135 K-FT/FT @ MIDPOINT

MAX MOMENT IN "x"
M_x = 0.111 K-FT/FT @ MIDPOINT
M_x = 0.077 K-FT/FT @ EDGE

BENDING STRESS

$f_b = \frac{M}{S}$

$f_b = \frac{0.135(12)}{4.81}$

f_b = .337 ksi

$I_n = I + Ad^2$

$I_{plate} = .001 in^4$

$I_n = 2[.001 + 1.2(2.05)^2]$

$I_n = 10.11 in^4$

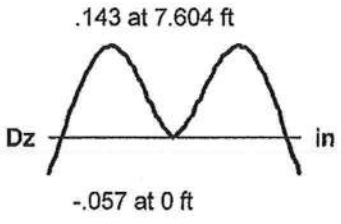
$S_n = 10.11/2.1 = 4.81 in^3$

SUBJECT	LIVE OAK OFFICE	GTC DESIGN GROUP, LLC	LAKE CITY OFFICE	PROJECT #:
BUILDING FLOOR & ROOF CALCULATIONS	130 WEST HOWARD STREET LIVE OAK, FL 32064 PH: 386.362.3678	P.O. BOX 187 LIVE OAK, FL 32064 STRUCTURAL/CIVIL ENGINEERS FAX: 386.362.6133 www.gtcdesigngroup.com	930 SW BAYA DRIVE LAKE CITY, FL 32055 PH: 386.754.3677	PROJECT NAME: DATE: ENGINEER:

Beam: ***M2***

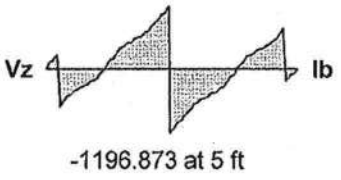
Shape: **HSS3X1.5X2**
Material: **A500 Gr.46**
Length: **10 ft**
I Joint: **N3**
J Joint: **N4**
LC 2: IBC 16-9
Code Check: **0.832 (bending)**
Report Based On 97 Sections

Dy ——— in



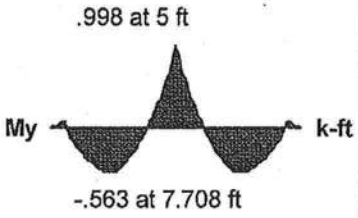
A ——— lb

Vy ——— lb

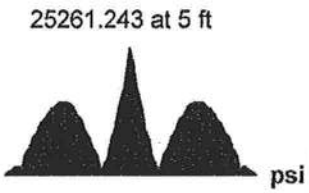


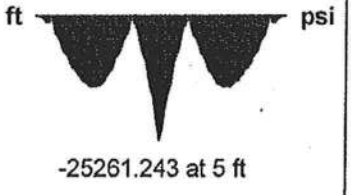
T ——— k-ft

Mz ——— k-ft



fa ——— psi





AISC ASD 9th Ed. Code Check

Max Bending Check	**0.832**	Max Shear Check	**0.187 (z)**
Location	**5 ft**	Location	**5 ft**
Equation	**H1-2**	Max Defl Ratio	**L/601**

Compact

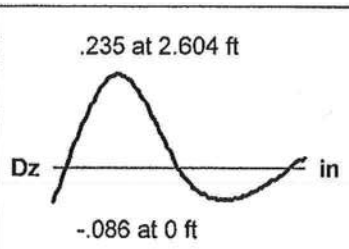
			Y-Y	Z-Z
Fy	**46000 psi**			
Fa	**3853.041 psi**	Cm	**.85**	**.6**
Ft	**27600 psi**	Lb	**10 ft**	**10 ft**
Fby	**30360 psi**	KL/r	**196.867**	**114.037**
Fbz	**30360 psi**	Sway	**No**	**No**
Fvy	**18400 psi**			
Fvz	**18400 psi**	L Comp Flange	**0 ft**	
Cb	**1.75**	Torque Length	**NC**	

* 125 psf (LIVE LOAD)

Beam: ***M2***

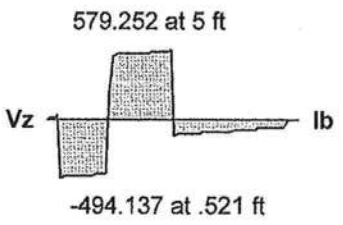
Shape: **HSS3X1.5X2**
Material: **A500 Gr.46**
Length: **10 ft**
I Joint: **N3**
J Joint: **N4**
LC 20: DL+LL(concentrate)
Code Check: **0.787 (bending)**
Report Based On 97 Sections

Dy — in



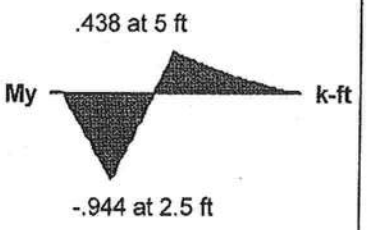
A — lb

Vy — lb

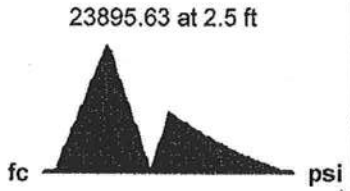


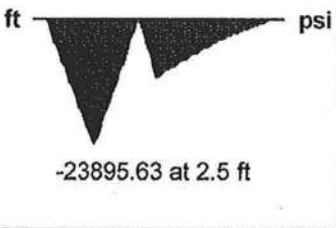
T — k-ft

Mz — k-ft



fa — psi





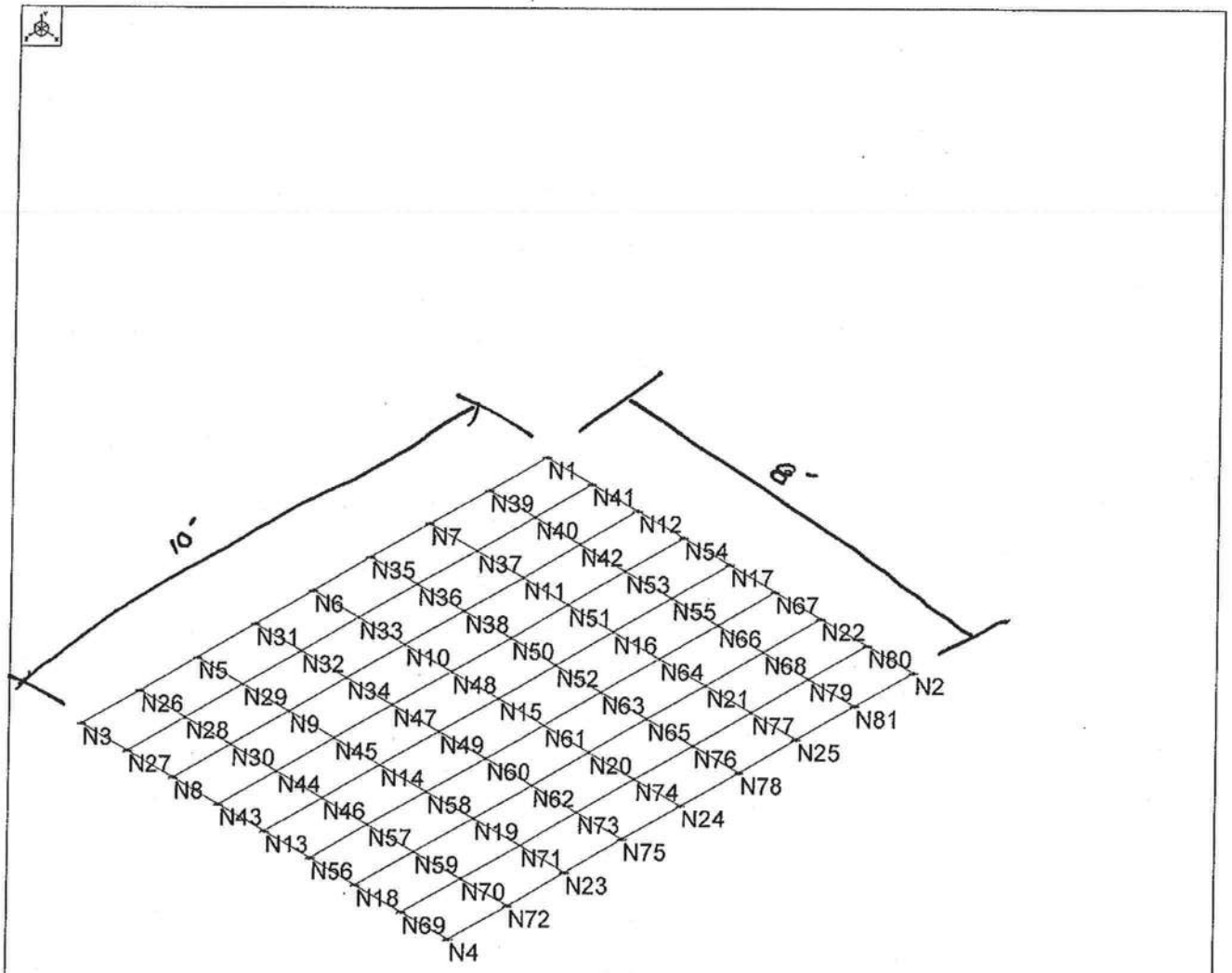
AISC ASD 9th Ed. Code Check

Max Bending Check	**0.787**	Max Shear Check	**0.090 (z)**
Location	**2.5 ft**	Location	**5 ft**
Equation	**H1-2**	Max Defl Ratio	**L/564**

Compact

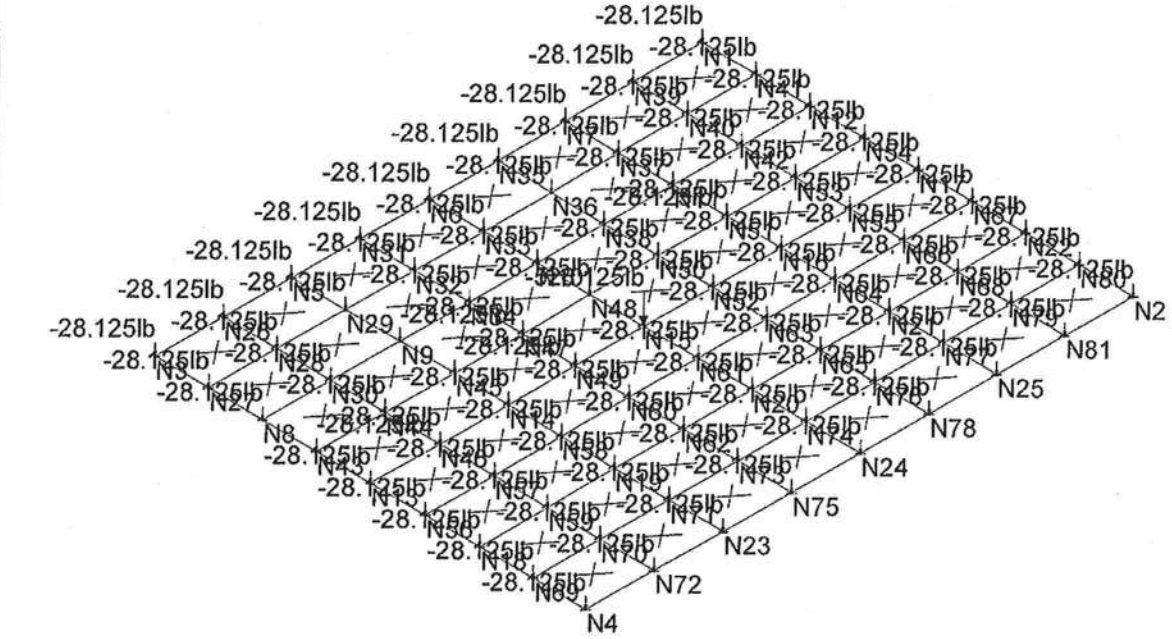
			Y-Y	Z-Z
Fy	**46000 psi**			
Fa	**3853.041 psi**	Cm	**.85**	**.6**
Ft	**27600 psi**	Lb	**10 ft**	**10 ft**
Fby	**30360 psi**	KL/r	**196.867**	**114.037**
Fbz	**30360 psi**	Sway	**No**	**No**
Fvy	**18400 psi**			
Fvz	**18400 psi**	L Comp Flange	**0 ft**	
Cb	**1.75**	Torque Length	**NC**	

* 1000 # (CONCENTRATED LIVE LOAD)



Results for LC 2, IBC 16-9

GTC Design Group	North FL Vending, LLC	
Gary Gill		June 24, 2008 at 9:23 AM
PF08-097	Roof top	roof.r3d



* LL = 20 psf
DL = 25 psf
DL of equipment = 500#

Loads: LC 2, IBC 16-9
Results for LC 2, IBC 16-9

GTC Design Group	North FL Vending, LLC	
Gary Gill		June 24, 2008 at 9:16 AM
PF08-097	Roof Top - 20 psf live load and 500# equipment load	roof.r3d

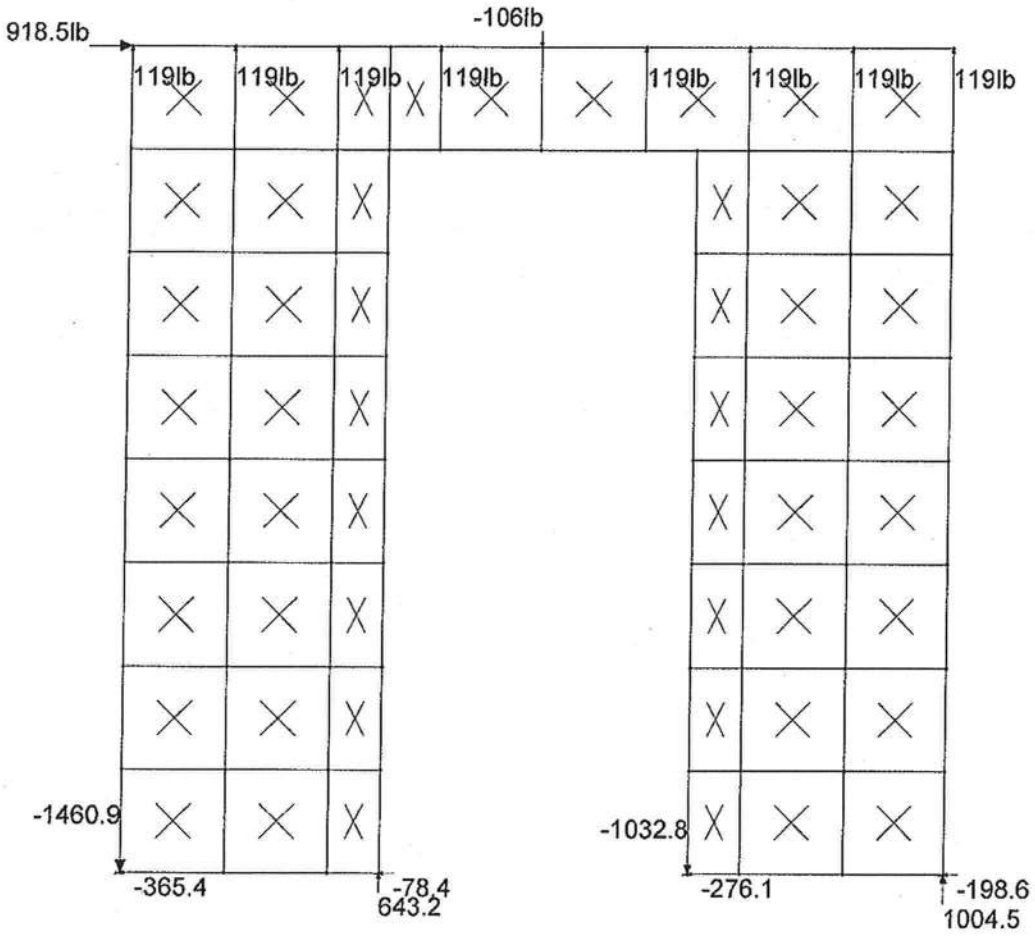
Company : GTC Design Group
Designer : Gary Gill
Job Number : PF08-097

North FL Vending, LLC

June 24, 2008
9:25 AM
Checked By:_____

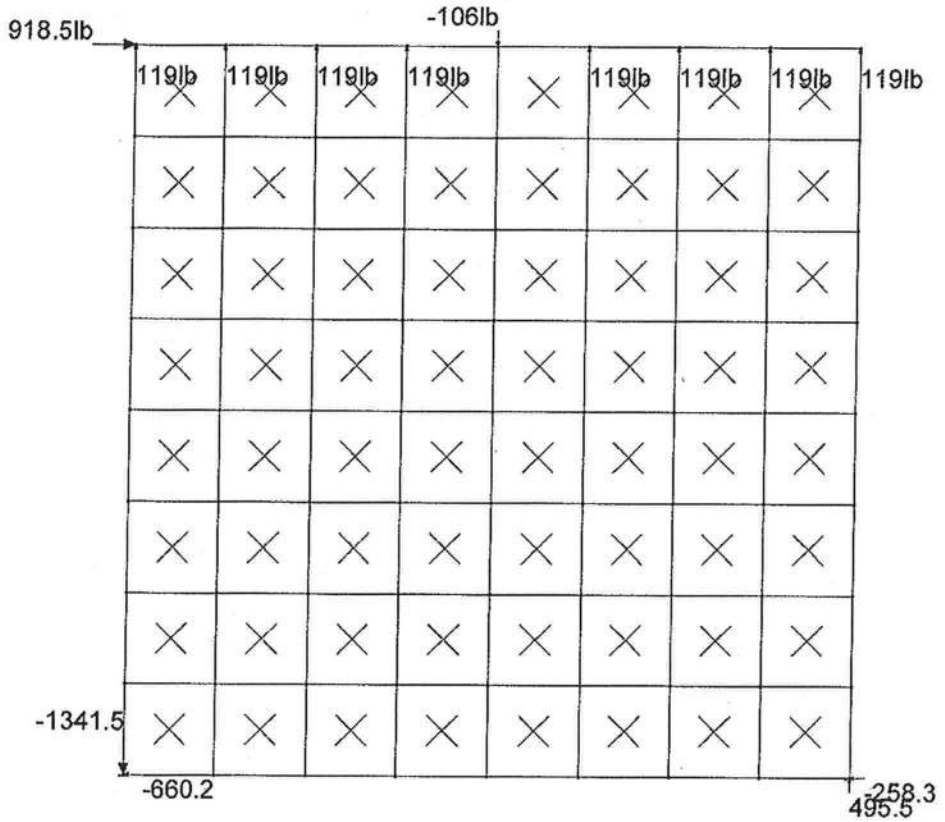
Joint Reactions (By Combination)

	LC	Joint Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1	2	N3	0	28.521	0	.006	0	.009
2	2	N26	0	47.838	0	.012	0	.046
3	2	N5	0	106.206	0	.014	0	.119
4	2	N31	0	170.349	0	.009	0	.188
5	2	N6	0	174.653	0	0	0	.208
6	2	N35	0	170.349	0	-.009	0	.188
7	2	N7	0	106.206	0	-.014	0	.119
8	2	N39	0	47.838	0	-.012	0	.046
9	2	N1	0	28.521	0	-.006	0	.009
10	2	N4	0	28.521	0	.006	0	-.009
11	2	N72	0	47.838	0	.012	0	-.046
12	2	N23	0	106.206	0	.014	0	-.119
13	2	N75	0	170.349	0	.009	0	-.188
14	2	N24	0	174.653	0	0	0	-.208
15	2	N78	0	170.349	0	-.009	0	-.188
16	2	N25	0	106.206	0	-.014	0	-.119
17	2	N81	0	47.838	0	-.012	0	-.046
18	2	N2	0	28.521	0	-.006	0	-.009
19	2	N27	0	23.735	0	.021	0	.009
20	2	N8	0	67.404	0	.065	0	.011
21	2	N43	0	110.858	0	.107	0	.008
22	2	N13	0	104.587	0	.115	0	0
23	2	N56	0	110.858	0	.107	0	-.008
24	2	N18	0	67.404	0	.065	0	-.011
25	2	N69	0	23.735	0	.021	0	-.009
26	2	N12	0	67.404	0	-.065	0	.011
27	2	N41	0	23.735	0	-.021	0	.009
28	2	N17	0	104.587	0	-.115	0	0
29	2	N54	0	110.858	0	-.107	0	.008
30	2	N22	0	67.404	0	-.065	0	-.011
31	2	N67	0	110.858	0	-.107	0	-.008
32	2	N80	0	23.735	0	-.021	0	-.009
33	2	Totals:	0	2778.125	0			
34	2	COG (ft):	X: 4	Y: 0	Z: 5			



Loads: LC 17, IBC 16-14
Results for LC 17, IBC 16-14
Reaction units are lb and k-ft

GTC Design Group	North FL Vending, LLC	
Gary Gill		June 23, 2008 at 1:27 PM
PF08-097		structural.r3d



Loads: LC 17, IBC 16-14
Results for LC 17, IBC 16-14
Reaction units are lb and k-ft

GTC Design Group	North FL Vending, LLC	
Gary Gill		June 23, 2008 at 1:29 PM
PF08-097		structural.r3d

ABS Stabilizer Plate Installation Instructions

Part #59293

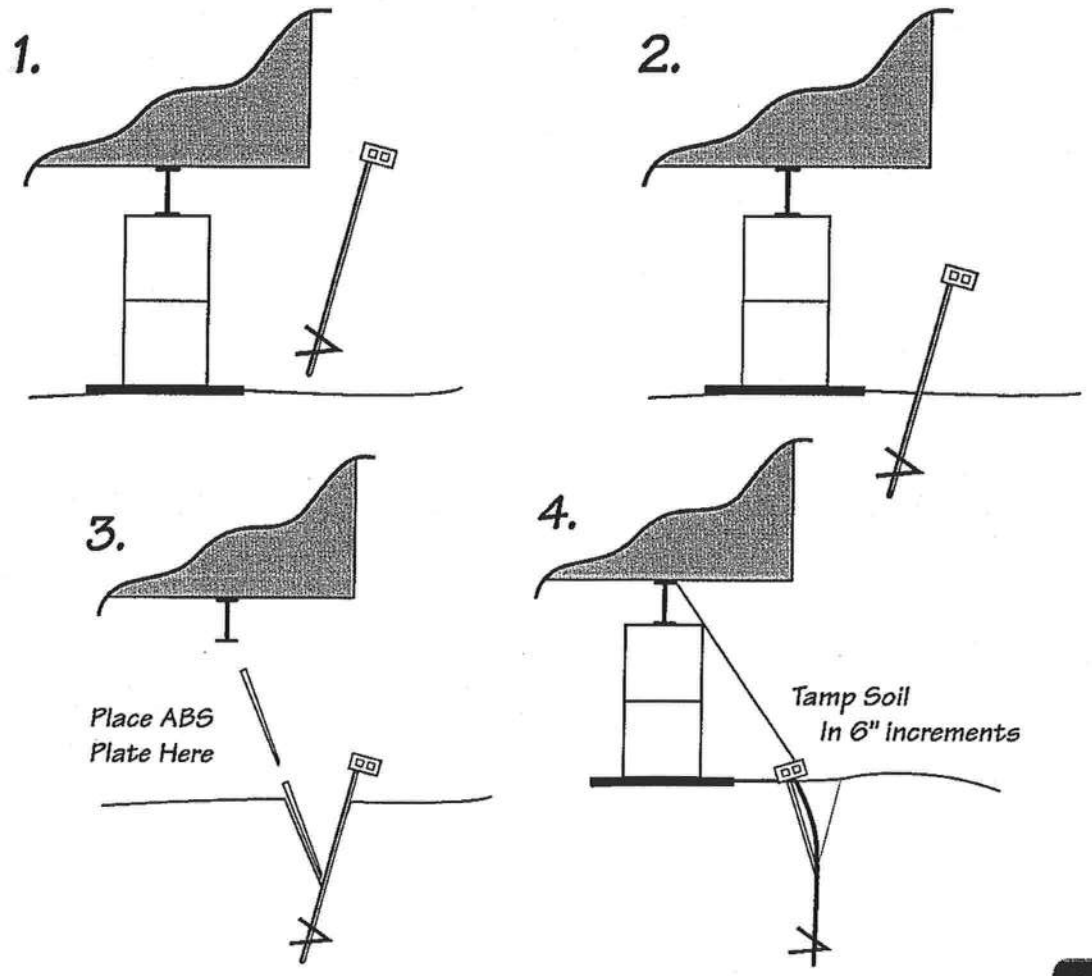
1. Determine correct anchor to be used with the home installation and use the manufacturer instruction for installation, following all safety precautions.

2. Using an electric drive machine, install anchor to a depth of approximately 28 inches at a slight back angle.

3. Dig out an 8" wide area so that the ABS stabilizer will be placed on undisturbed soil at a 10 to 15 degree angle toward the home. The bottom center of the plate should be touching the anchor rod.

4. Complete the installation of the ground anchor until the bottom of the anchor head is flush with the ground.

5. Attach proper strap and tension strap until anchor head is flush against the ABS plate and strap is tight. At this point, soil should be tamped into the vacant area behind the anchor rod, tamping approximately 6" and repeating until the vacant area is flush with the surface of the surrounding ground.



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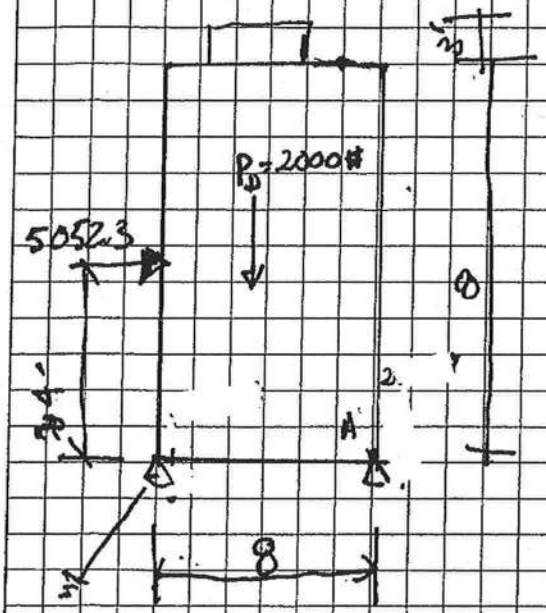
051602,315

FOUNDATION ATTACHMENT



$P_{WS} = 45.93\ psf\ (10')(11') = 5052.3\ \#$

- CHECK OVERTURNING (0.6D + 1.0LL)

$M_O = 5052.3(4') = 20{,}209.2\ K^{FT}$ (FROM WIND)

$M_R = [0.6(2000)](4) = 4800\ K^{FT}$

$F.S = \frac{M_R}{M_O} = \frac{4800}{20{,}209} = 0.24 < 1.5$ N.G.

NEED ANCHORING

ASSUME 2 ANCHOR @ EA. SIDE (ANCHOR = $5/8"\phi \times 4'$ ANCHOR CAPACITY = 3000 #

- CALCULATE F.S. USING (7) ANCHORS

$M_O = 20{,}209.2\ K^{FT}$

$M_R = 4800\ K^{FT} + 2[(0.707)(3000)(8)] = 4800 + 33{,}991.8 = 38{,}791\ K^{FT}$ (45° IN SOIL)

$F.S = \frac{M_R}{M_O} = \frac{38{,}791}{20{,}209} = 1.91 > 1.5$ O.K.

UPLIFT REQ.

$P_U = 53.41\ psf\ (8)(10) = 4272.8\ \#$

$D_L = 0.6(2000) = 1200\ \#$

TOTAL UPLIFT $= 4272.8 - 1200 = 3072.8$

ANCHORS REQ = $\frac{3072.8(1.5)}{(0.707)(3000)} = \frac{4609.2}{2121} = 2.1$ REQ'D (F.S.) $\rightarrow$ 4 PROVIDED O.K.

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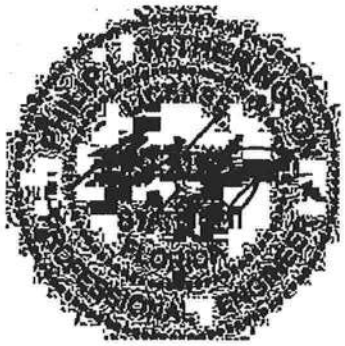
GROUND ANCHOR SUMMARY CHART

Model Number	Anchor Description	Soil Type as Tested	Tested Soil Capacity (ft.lb.)	Anchor Capacity (lbs)
59040	3/4" x 60" w/ Single 8" Helix	4	275	3400
59045	3/4" x 48" w/ Single 6" Helix	4	325	5000
59050	1/2" x 15" w/ Single 4" Helix	2	500	600
59052	3/4" x 42" w/ Single 4" Helix	3	375	4300
59055	1/2" x 30" w/ Single 4" Helix	2	500	2400
59055THG	1/2" x 30" w/ Double 4" Helix	2	500	2250
59060	5/8" x 40" w/ Single 6" Helix	3	375	4500
59065	5/8" x 48" w/ Single 6" Helix	4	300	3000

NOTES:

1) In most cases, the limiting capacity was due to vertical displacement of the anchor in the test soil. Model numbers 59055, 59055THG and 59060 yielded due to anchor loads.
2) Anchor loads listed are based upon the soil conditions tested. Actual soil conditions will vary, yielding different anchor capacities.
3) This chart is to serve as a reference of what vertical anchor capacities can occur using the soil conditions listed within.



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WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Analysis by: Gary Gill **Company Name:** GTC Design Group
Description: North FL Vending - Awning

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	90	mph
Struc Category (I, II, III, or IV)	I	
Exposure (B, C, or D)	C	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	3.0	:12
Slope of Roof (Theta)	14.0	Deg
Type of Roof	Monoslope	
Kd (Directonality Factor)	0.85	
Eave Height (Eht)	6.00	ft
Ridge Height (RHt)	7.00	ft
Mean Roof Height (Ht)	6.50	ft
Width Perp. To Wind Dir (B)	2.00	ft
Width Paral. To Wind Dir (L)	8.00	ft

Calculated Parameters		
Type of Structure		
Height/Least Horizontal Dim	3.25	
Flexible Structure	No	

Calculated Parameters		
Importance Factor	0.87	
Non-Hurricane, Hurricane (v=85-100 mph) & Alaska		
Table 6-2 Values		
Alpha =	9.500	
zg =	900.000	
At =	0.105	
Bt =	1.000	
Bm =	0.650	
Cc =	0.200	
l =	500.00	ft
Epsilon =	0.200	
Zmin =	15.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	15.00	ft
Izm	Cc * (33/z)^0.167	0.2281	
Lzm	l*(zm/33)^Epsilon	427.06	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.9743	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.9115	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

Fig 6-5 Internal Pressure Coefficients for Buildings, Gcpi

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

Aog =	Tot Area of Openings in Bldg Envelope	-	ft^2
Vi =	Unpartitioned internal volue	-	ft^3
Ri =	0.5*((1+1/(1+(Vi/(22800*Aog))^0.5))	0.0	

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

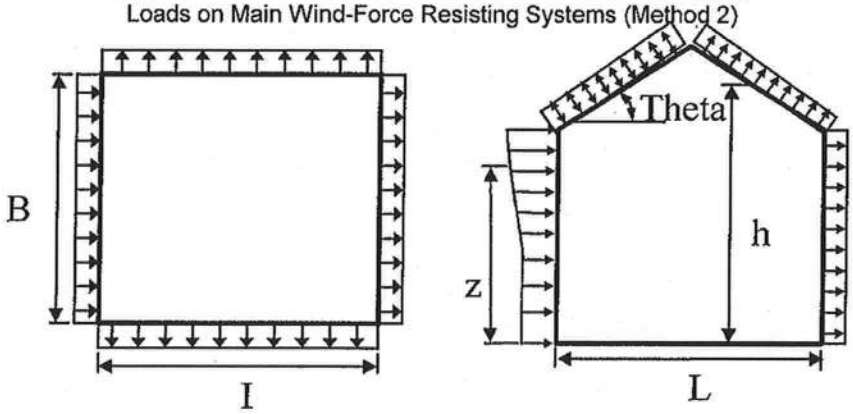
6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz	Pressure (lb/ft^2)						
				Windward Wall*		Leeward Wall		Total	Shear	Moment
ft			lb/ft^2	+GCpi	-GCpi	+GCpi	-GCpi	+/-Gcpi	(Kip)	(Kip-ft)
15	0.85	1.00	13.02	1.69	16.01	-9.37	4.95	11.06	0.33	2.49

Note: 1) Positive forces act toward the face and Negative forces act away from the face.

Figure 6-6 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.85	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	13.02	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.85	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	13.02	psf

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

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

Calculations for Wind Normal to 2 ft Face *Additional Runs may be req'd for other wind directions*	Cp	Pressure (psf) +GCpi	 -GCpi
Leeward Walls (Wind Dir Normal to 2 ft wall)	-0.20	-9.37	4.95
Leeward Walls (Wind Dir Normal to 8 ft wall)	-0.50	-12.69	1.63
Side Walls	-0.70	-14.90	-0.59
Roof - Wind Normal to Ridge (Theta>=10) - for Wind Normal to 2 ft face			
Windward - Min Cp	-0.94	-17.56	-3.24
Windward - Max Cp	-0.18	-9.15	5.17
Leeward Normal to Ridge	-0.58	-13.52	0.80
Overhang Top (Windward)	-0.94	-10.40	-10.40
Overhang Top (Leeward)	-0.58	-6.36	-6.36
Overhang Bottom (Applicable on Windward only)	0.80	8.85	8.85

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

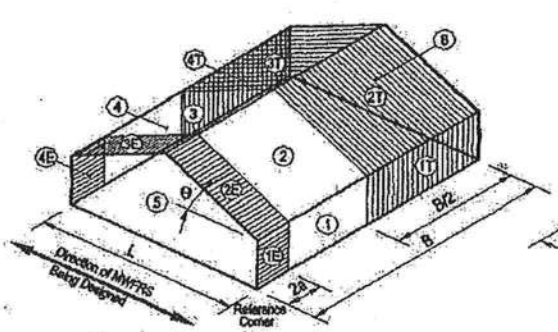
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 8 ft face			
Dist from Windward Edge: 0 ft to 13 ft - Max Cp	-0.18	-9.15	5.17
Dist from Windward Edge: 0 ft to 3.25 ft - Min Cp	-1.30	-21.54	-7.22
Dist from Windward Edge: 3.25 ft to 6.5 ft - Min Cp	-0.70	-14.90	-0.59
Dist from Windward Edge: 6.5 ft to 2 ft - Min Cp	-0.70	-14.90	-0.59

* Horizontal distance from windward edge

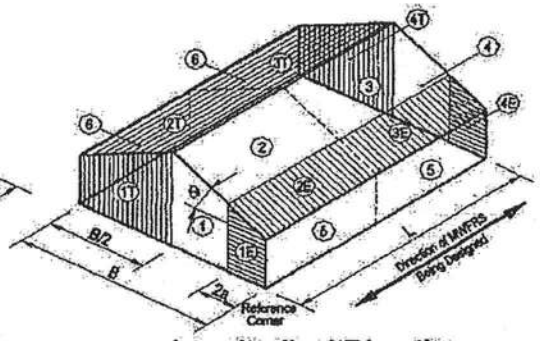
Figure 6-10 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.85
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	13.02
Theta =	Angle of Roof	=	14.0 Deg



Transverse Direction



Longitudinal Direction

Torsional Load Cases

Wind Pressures on Main Wind Force Resisting System						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.48	0.55	-0.55	13.02	-0.94	13.38
2	-0.69	0.55	-0.55	13.02	-16.14	-1.82
3	-0.44	0.55	-0.55	13.02	-12.83	1.48
4	-0.37	0.55	-0.55	13.02	-12.03	2.29
5	-0.45	0.55	-0.55	13.02	-13.02	1.30
6	-0.45	0.55	-0.55	13.02	-13.02	1.30
1E	0.72	0.55	-0.55	13.02	2.26	16.58
2E	-1.07	0.55	-0.55	13.02	-21.09	-6.77
3E	-0.63	0.55	-0.55	13.02	-15.31	-0.99
4E	-0.56	0.55	-0.55	13.02	-14.40	-0.08

* p = qh * (GCpf - GCpi)

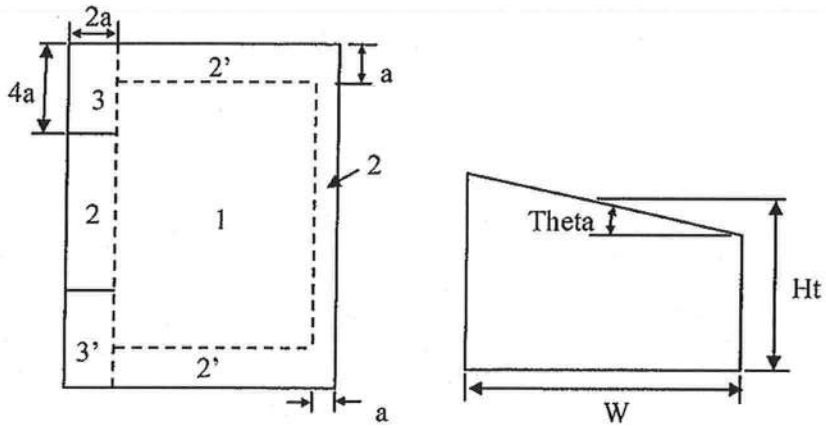
Figure 6-14 - External Pressure Coefficients, GCp

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

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

for Monoslope Roofs

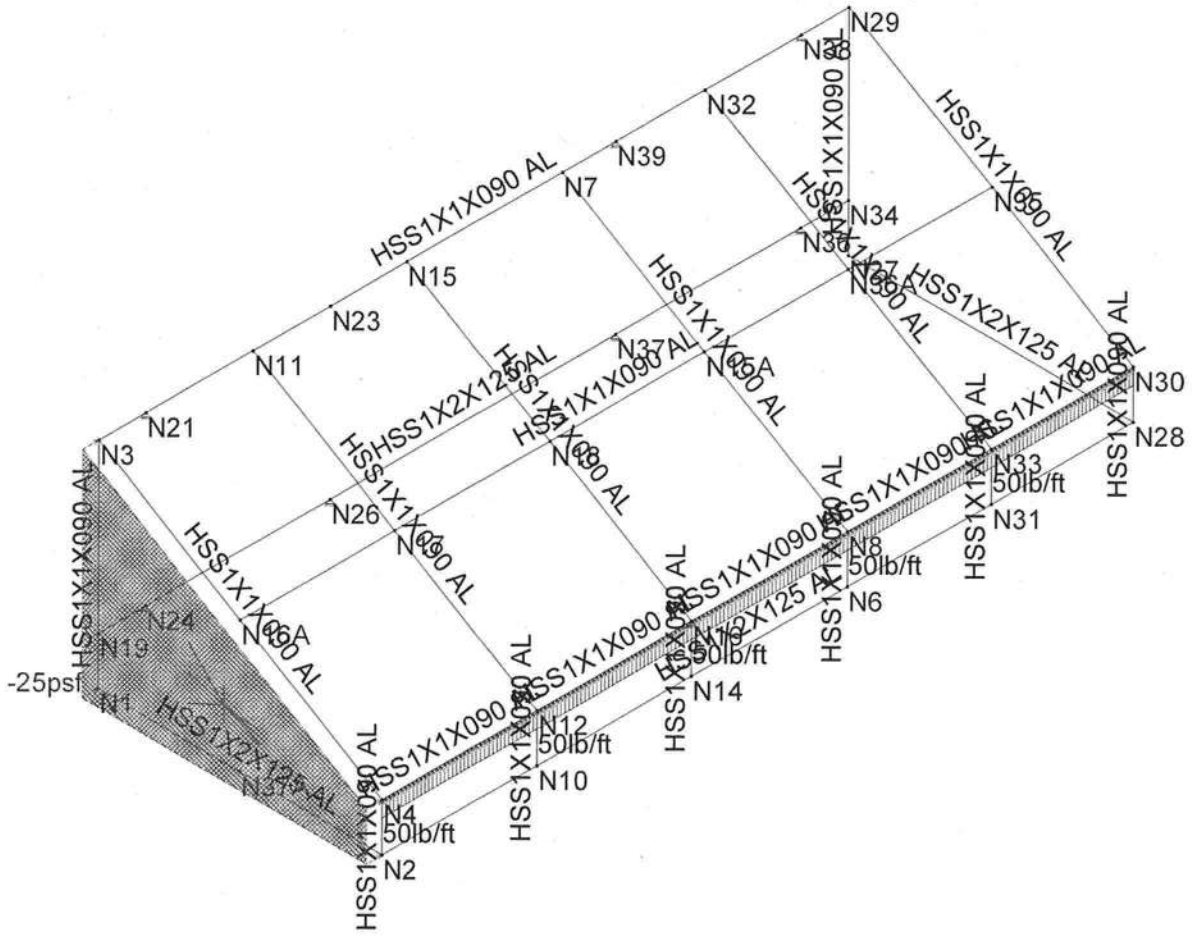


a = 0.2 ==> 3.00 ft

Double Click on any data entry line to receive a help Screen

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2	
					Max	Min	Max	Min
Wall	10	1	10.00	4	1.00	-1.10	20.18	-21.48
Wall	10	1	10.00	5	1.00	-1.40	20.18	-25.38
Roof	10	1	10.00	1	0.40	-1.30	12.37	-24.08
	10	1	10.00	2	0.40	-1.60	12.37	-27.99
	10	1	10.00	3	0.40	-2.90	12.37	-44.91
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					

Note: * Enter Zone 1, 2, 2', 3, 3' (See sketch), 4 & 5 (Wall Zones calculated per Fig 6-11A)
* Use 1H, 2H, and 3H for Roof Overhangs (Per Fig 6-14A)



Loads: BLC 3, Wind Load

GTC Design Group	North Florida Vending Inc.	
Gary Gill		Sept 4, 2008 at 3:19 AM
PF08-097	Awning Loads	awning frame analysis.r3d

Member Section Deflections (By Combination) (Continued)

	LC	Member Label	Sec	x [in]	y [in]	z [in]	x Rotate[rad]	(n) L/y Ratio	(n) L/z Ratio
57			2	.017	.069	.031	-1.633e-3	3909.267	NC
58			3	.018	.071	.065	-2.55e-3	4224.571	5251.914
59			4	.018	.312	.166	6.601e-4	596.606	1004.369
60			5	.018	.388	.154	4.742e-4	439.336	1109.353
61	17	M15A	1	.002	.101	.045	1.547e-4	NC	NC
62			2	.002	.111	.048	-1.645e-4	1899.415	3636.563
63			3	.002	.108	.044	-4.836e-4	1688.456	3431.438
64			4	.002	.094	.037	-8.028e-4	4646.056	6167.143
65			5	.002	.084	.029	-1.122e-3	NC	NC
66	17	M16A	1	.002	.084	.029	-1.122e-3	NC	907.752
67			2	.001	.075	.018	-1.66e-3	2223.703	1475.395
68			3	0	.046	.005	-2.198e-3	7129.653	5727.016
69			4	0	.011	-.004	-2.736e-3	2590.789	7119.34
70			5	0	0	0	-3.274e-3	NC	NC
71	17	M17	1	0	0	0	-3.274e-3	NC	NC
72			2	0	.042	.019	-2.826e-3	2756.381	1360.858
73			3	0	.109	.048	-2.377e-3	4043.82	537.002
74			4	0	.17	.082	-1.929e-3	1703.405	317.318
75			5	-.001	.206	.114	-1.481e-3	NC	228.738
76	17	M18	1	-.021	.231	-.078	1.092e-2	708.995	2081.269
77			2	-.021	.185	-.096	7.282e-3	953.423	1600.531
78			3	-.021	.046	-.026	1.769e-3	NC	NC
79			4	-.022	.026	.001	1.283e-3	4690.413	6874.918
80			5	-.022	.053	-.017	2.97e-3	NC	NC
81	17	M19	1	0	-.002	.008	-3.578e-3	NC	NC
82			2	0	0	-.003	-5.716e-3	NC	NC
83			3	0	.001	.008	-7.854e-3	NC	NC
84			4	0	-.002	-.008	-9.992e-3	NC	7644.66
85			5	0	.006	.031	-1.213e-2	NC	5617.064
86	17	M20	1	.153	.006	-.007	9.844e-4	NC	NC
87			2	.154	.172	-.002	1.197e-3	683.365	9032.618
88			3	.154	.293	-.001	1.409e-3	499.366	8722.323
89			4	.154	.366	-.007	1.621e-3	649.157	NC
90			5	.154	.388	-.018	1.833e-3	NC	4417.962
91	17	M21	1	.006	-.153	-.007	-6.466e-4	174.851	5234.133
92			2	.006	-.019	0	-3.66e-3	503.124	NC
93			3	.006	.035	.002	-4.269e-4	2079.665	NC
94			4	.006	.041	0	2.806e-3	3036.093	NC
95			5	.006	.052	0	6.039e-3	NC	NC
96	17	M22	1	.388	-.154	-.018	1.176e-3	NC	478.003
97			2	.388	-.157	-.013	8.799e-4	3262.969	642.854
98			3	.388	-.161	-.009	5.838e-4	1212.741	1046.694
99			4	.388	-.165	-.004	2.877e-4	734.799	2496.7
100			5	.388	-.168	0	-8.456e-6	580.695	NC
101	17	M23	1	.05	.42	0	-9.616e-4	NC	NC
102			2	.05	.37	.008	-1.652e-4	922.96	7384.485
103			3	.049	.239	.021	6.312e-4	1417.088	2663.157
104			4	.049	.084	.03	1.678e-3	NC	1840.751
105			5	.048	-.021	0	2.725e-3	NC	NC
106	17	M24	1	.346	-.175	-.018	-4.901e-4	NC	437.326
107			2	.346	-.178	-.012	-7.438e-4	NC	630.993
108			3	.346	-.181	-.008	-9.975e-4	5314.76	986.657
109			4	.346	-.183	-.004	-1.251e-3	5139.82	1971.853
110			5	.346	-.184	0	-1.505e-3	NC	NC
111	17	M25	1	.016	.392	0	-2.608e-3	NC	NC
112			2	.015	.34	.014	-2.373e-3	1299.435	3888.46
113			3	.015	.231	.021	-2.139e-3	1935.499	2586.492

Member Section Deflections (By Combination)

	LC	Member Label	Sec	x [in]	y [in]	z [in]	x Rotate[rad]	(n) L/y Ratio	(n) L/z Ratio
1	17	M1	1	.041	-.002	-.015	2.424e-3	NC	NC
2			2	.041	.041	-.032	2.051e-3	2798.639	2959.686
3			3	.041	.073	-.037	1.677e-3	2022.104	2263.142
4			4	.041	.094	-.029	1.304e-3	2600.88	3803.849
5			5	.041	.101	-.017	9.3e-4	NC	NC
6	17	M2	1	-.002	-.041	-.015	1.556e-3	652.615	2359.168
7			2	-.002	-.005	0	1.016e-3	1863.61	NC
8			3	-.002	.012	-.003	2.874e-4	NC	NC
9			4	-.002	.013	-.004	-4.407e-4	NC	8340.087
10			5	-.002	.015	0	-1.169e-3	NC	NC
11	17	M3	1	.101	-.041	-.017	-7.345e-4	NC	NC
12			2	.101	-.041	-.014	-8.41e-4	NC	8264.598
13			3	.101	-.042	-.01	-9.475e-4	4653.544	8772.777
14			4	.101	-.044	-.006	-1.054e-3	2668.633	NC
15			5	.101	-.045	-.002	-1.161e-3	2109.502	NC
16	17	M4	1	.012	.11	.002	-2.176e-3	NC	NC
17			2	.012	.093	.018	-1.004e-3	4287.018	3485.814
18			3	.012	.055	.022	1.674e-4	NC	2697.164
19			4	.012	.015	.013	-4.811e-4	9650.205	4376.043
20			5	.012	-.009	0	-1.13e-3	NC	NC
21	17	M7	1	.206	-.12	-.018	-3.594e-3	NC	416.901
22			2	.206	-.119	-.009	-3.803e-3	NC	749.361
23			3	.206	-.118	-.006	-4.011e-3	NC	1167.592
24			4	.206	-.116	-.003	-4.22e-3	NC	1818.553
25			5	.206	-.114	.001	-4.428e-3	NC	NC
26	17	M8	1	.005	.235	-.001	-5.16e-3	NC	NC
27			2	.005	.195	.019	-5.159e-3	2749.872	2809.949
28			3	.005	.131	.021	-5.157e-3	3226.609	2533.611
29			4	.005	.063	.008	-2.927e-3	6301.728	6570.141
30			5	.005	-.007	0	-6.976e-4	NC	NC
31	17	M11	1	.084	-.035	-.017	7.874e-4	NC	NC
32			2	.084	-.034	-.016	8.833e-4	NC	3042.479
33			3	.084	-.032	-.011	9.791e-4	NC	5859.979
34			4	.084	-.031	-.005	1.075e-3	NC	NC
35			5	.084	-.029	-.002	1.171e-3	NC	NC
36	17	M12	1	.018	.087	.002	3.889e-4	647.795	NC
37			2	.018	.061	.006	9.182e-4	932.499	NC
38			3	.018	.031	.022	1.448e-3	1914.706	2700.792
39			4	.017	.013	.015	9.381e-4	4929.955	3768.598
40			5	.017	.002	0	4.287e-4	NC	NC
41	17	M15	1	0	-.035	-.017	-1.752e-3	228.413	NC
42			2	0	-.026	-.013	-1.773e-3	303.545	NC
43			3	0	-.017	-.009	-1.795e-3	473.731	NC
44			4	0	-.008	-.004	-1.817e-3	1034.707	NC
45			5	0	0	0	-1.839e-3	NC	NC
46	17	M16	1	0	0	0	-2.861e-3	NC	NC
47			2	0	-.006	.012	-2.383e-3	NC	4706.792
48			3	0	.014	.021	-1.906e-3	3013.388	2599.486
49			4	0	.011	.011	-8.711e-4	3269.213	4906.663
50			5	0	-.008	0	1.636e-4	NC	NC
51	17	M16B	1	0	-.002	-.015	-7.042e-4	NC	NC
52			2	0	.009	-.016	-1.021e-3	NC	NC
53			3	0	-.007	-.008	-3.086e-3	NC	NC
54			4	0	.01	-.004	-6.187e-3	NC	NC
55			5	0	.006	-.052	-3.746e-3	NC	3328.995
56	17	M14	1	.017	.101	.041	-2.234e-5	NC	NC

Member Section Deflections (By Combination) (Continued)

	LC	Member Label	Sec	x [in]	y [in]	z [in]	x Rotate[rad]	(n) L/y Ratio	(n) L/z Ratio
114			4	.015	.116	.006	-1.292e-3	6366.756	9072.351
115			5	.014	.012	0	-4.45e-4	NC	NC
116	17	M26	1	-.001	.206	.114	-1.481e-3	NC	NC
117			2	-.001	.251	.138	-1.166e-3	2432.843	3597.174
118			3	0	.305	.158	-8.512e-4	840.572	2736.402
119			4	0	.335	.173	-5.364e-4	1014.329	3701.385
120			5	0	.346	.184	-2.217e-4	NC	NC
121	17	M27	1	0	.346	.184	-2.217e-4	NC	NC
122			2	0	.373	.186	2.522e-5	1495.623	3677.102
123			3	0	.395	.18	2.721e-4	860.065	5345.931
124			4	0	.394	.172	5.19e-4	1453.801	NC
125			5	0	.388	.168	7.659e-4	NC	NC

GENERAL NOTES

MECHANICAL/PLUMBING NOTES

1. MECHANICAL DESIGN, EQUIPMENT AND INSTALLATION TO CONFORM TO THE 2004 FLORIDA MECHANICAL CODE W/ 2006, 2007 AMENDMENTS.

2. PLUMBING DESIGN,FABRICATION AND INSTALLATION TO CONFORM TO THE 2004 FLORIDA PLUMBING CODE W/ 2006 AND 2007 AMENDMENTS.

FOUNDATION:

IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA DEPT. OF COMMUNITY AFFAIRS, THESE BUILDING PLANS DO NOT CONTAIN FOUNDATION SUPPORT SYSTEM DETAILS AND SPECIFICATIONS. THE ARCHITECH/ENGINEER OF BUILDING PLANS SHOULD BE CONTACTED TO OBTAIN APPROPRIATE FOUNDATION PLANS, IF FOUNDATION PLANS ARE DESIGNED BY OTHERS. THE ARCHITECT/ENGINEER OF BUILDING PLANS SHALL NOT BE HELD RESPONSIBLE OR LIABLE FOR THE FOUNDATION DESIGN AND THE CONSEQUENTIAL PERFORMANCE OF THE SUPERSTRUCTURES
STRUCTURAL COMPONENTS AND SYSTEMS RELATING THERETO.

OCCUPANCY AND ACCESSIBILITY NOTES

BUILDING IS GROUP M OCCUPANCY, ICE STORAGE AND AUTOMATED VENDING UNIT. ALL MAINTANANCE IS TO BE PERFORMED BY TRAINED MAINTENANCE MECHANICS AUTHORIZED BY NORTH FLORIDA VENDING, INC. WHO HAVE THE ABILITY TO CLIMB AROUND INTERIOR SPACES TO CLEAN ALL AREAS. UNIT IS UNOCCUPIED AND NO FLAMABLE CHEMICALS WILL BE STORED. STORAGE ROOM IS FOR STORAGE OF PLASTIC BAGS AND OTHER ITEMS REQUIRED TO KEEP UNIT FUNCTIONAL HANDICAPPED ACCESS TO THE EXTERIOR FRONT VENDING AREA DESIGNED BY OTHERS.

NOTICE OF FOOD-GRADE COMPLIANCE-STAINLESS STEEL

ALL SURFACES THAT CONTACT THE ICE PRODUCT ARE 304 STAINLESS STEEL WHICH HAS A CHROMIUM CONTENTOF >18%. ANSI/NSF HAS RATED 200, 300, 400 SERIES STAINLESS STEEL WITH A MINIMUM 16% CROMIUM CONTENT TO BE IN CONTACT WITH FOOD.

AWNING DESIGN NOTES

1. DESIGN PER 2004 FLORIDA BUILDING CODES WITH 2006 AND 2007 REVISIONS.
2. WIND SPEED=90 MPH (3 SEC WIND GUST)
3. IMPORTANCE FACTOR-0.77 (LOW HAZARD TO HUMAN)
4. FRAME ABLE TO WITHSTAND FULL 150 MPH "C" WINDS
5. CLADDING COMPONENTS=42 PSF

AWNING FABRIC NOTES

1. DESIGN IS SUCH THAT FABRIC WILL BE REMOVED AT WIND SPEEDS ABOVE 90 PH AND FRAME IS TO REMAIN IN PLACE UP TO 150 MPH.
2. FABRIC USED FOR AWNING OF FABRIC COVERED FRAMES SHALL BE FLAME RESISTANT IN ACCORDANCE WITH NFPA 701.
3. NO FABRIC AWNING OR FABRIC COVERED FRAME SHALL EXCEED THE AREA OF THE BUILDING TO WHICH IT IS ATTACHED.
4. THE FABRIC PORTIONS OF THE AWNINGS FABRIC COVERED FRAMES SHALL BE CURELY LACED, TIED OR OTHERWISE FASTENED TO THE FRAME, NO RAFTER OR FRONT BAR WILL BE PERMITTED IN POCKETS.

SITE INSTALLED ITEMS:

NOTE: THIS LIST OF NECESSARY ITEMS OF WORK AND MATERIALS THAT MAY BE REQUIRED FOR THE COMPLETE INSTALLATION OF THESE UNITS ARE THE RESPONSIBILITY OF THE OWNER. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION APPROVAL.

1. THE COMPLETE FOUNDATION SUPPORT INCLUDING TIE-DOWN SYSTEM.
2. RAMPS, STAIRS, SIDEWALKS, AND GENERAL ACCESS TO THE BUILDING INCLUDING HANDICAP ACCESS.
3. ELECTRICAL SERVICE HOOK-UP TO THE BUILDING.
4. WATER SUPPLY TO THE BUILDING.
5. GRAY WATER HOLDING TANK AND SCHEDULED PUMP OUT SERVICE.
6. SKIRTING AND ASTHETIC ADDITIONS PER CODE.
7. CONDENSATE DISPOSAL DRAIN PIPING BY OTHERS.

2004 FLORIDA BUILDING CODE W/2006, 2007 SUPPLEMENT ASCE 7-02

1. ALL DOORS ARE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, TOOL, OR SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED PUSHBOLTS OR SURFACE BOLTS SHALL NOT BE USED.
2. CONSTRUCTION TYPE IS V-B.
3. FLOOD LOAD: THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARD AREA.
4. SINGLE STORY, 72 SQ FT ENCLOSED, UNIT FOOTPRINT 76 SQ FT.
5. ALL COMPONENTS USED IN THE MANUFACTURE OF THIS BUILDING SHALL HAVE FLORIDA PRODUCT APPROVAL, ACCORDING TO RULE 9B-72.
6. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED BY OTHERS AS REQUIRED BY NFPA 10.

BUILDING DESIGN CRITERIA

8. BASIC WIND SPEED (3 SECOND GUST) = 150MPH
9. D.L.=5PSF
10. L.L.=20PSF L.L.-(ROOF)=50PSF (SNOW) L.L.-(FLOOR)=125PSF
11. IMPORTANCE FACTOR = 1.0
12. BUILDING CLASSIFICATIONS WIND EXPOSURE = C
13. INTERNAL PRESSURE = 0.18 +/-
14. COMPONENTS AND CLADDING
    - ZONE 1 AREA 10.0 S.F. 19.95/-53.20psf
    - ZONE 2 AREA 10.0 S.F. 19.95/-61.51psf
    - ZONE 3 AREA 10.0 S.F. 19.95/-82.29psf
    - ZONE 4 AREA 10.0 S.F. 44.89/-48.63psf
    - ZONE 5 AREA 10.0 S.F. 44.89/-59.85psf

UNIT CLEANING NOTE:

IT IS THE RESPONSIBILITY OF THE NEW OWNER OF THIS UNIT TO CLEAN AND MAINTAIN THE UNIT IN A SANITARY MANNER. CONTACT YOUR LOCAL HEALTH INSPECTOR FOR APPROVED CLEANING AGENTS AND PROCEDURES. THE UNIT IS INITIALLY SANITIZED WITH SANI-Q BRAND DISINFECTANT.

ENERGY CODE EXEMEMPTION

THIS UNIT IS EXEMPT FROM ENERGY CODE REQUIREMENTS PER FBC 13-101.5.7(4)

STEEL
ALL BOLTS SHALL BE SNUG TIGHT (AS DEFINED BY AISC) UON.
LIGHT GAUGE FRAMING
DESIGN OF METAL STUD FRAMING IS BASED ON SECTION PROPERTIES AND STANDARD NOMENCLATURE AS DEFINED IN "STEEL STUD MANUFACTURERS ASSOCIATION" (SSMA)–PRODUCT TECHNICAL INFORMATION, ICBO ER–4943P." ALTERNATE MANUFACTURER'S FRAMING SIZE SHALL MEET THE MINIMUM SECTION PROPERTIES OF THE MEMBERS INDICATED ON THE DESIGN DRAWINGS.
ALL LIGHT GUAGE FRAMING SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) SPECIFICATION FOR THE DESIGN OF COLD–FORMED STELL STRUCTURAL MEMBERS.
ALL FRAMING MEMBERS SHALL BE FORMED FROM STEEL WITH A MINIMUM YEILD STRENGTH OF 33 KSI FOR 33 AND 43 MILL AND 50KSI FOR 54, 68, AND 97 MILL MATERIAL.
ALL CONNECTIONS SHALL BE SCREWED OR WELDED. USE MINIMUM OF 2–#10 SCREWS AT EACH CONNECTIONS. POWER DRIVEN FASTENERS (PDF) SHALL COMPLETELY PENETRATE THE STRUCTURAL STELL. ALL CONNECTIONS NOT SHOWN HEREIN, OR ANY DESIRED SUBSTITUTIONS SHALL BE ENGINEERED, DETAILED, SUBMITTED, AND SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF FLORIDA.
STUD WALLS SHALL HAVE LATERAL BRACING INSTALLED AT A MAXIMUM SPACING OF 48".

INDEX OF DRAWINGS - BLDG PACKAGE

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S–1.1	ALTERNATE FOUNDATION	
S–2.0	STRUCTURAL DETAILS	
S–3.0	ROOF EQUIPMENT FRAME	
A–1.0	FLOOR PLAN	
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A–2.1	ELEVATIONS	
E–1.0	ELECTRICAL PLAN	
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V–1 – V–5	VENDOR DRAWINGS	

4-Sep-08

APPROVED BY
SEP 20 2008
PSI MODULAR DIVISION
RICHARD E. OLDS
SMI - 76
SMP - 45
Received for FILE COPY SEP 20 2008
COLUMBIA COUNTY BUILDING DEPARTMENT
Code Compliance
PLANS EXAMINER

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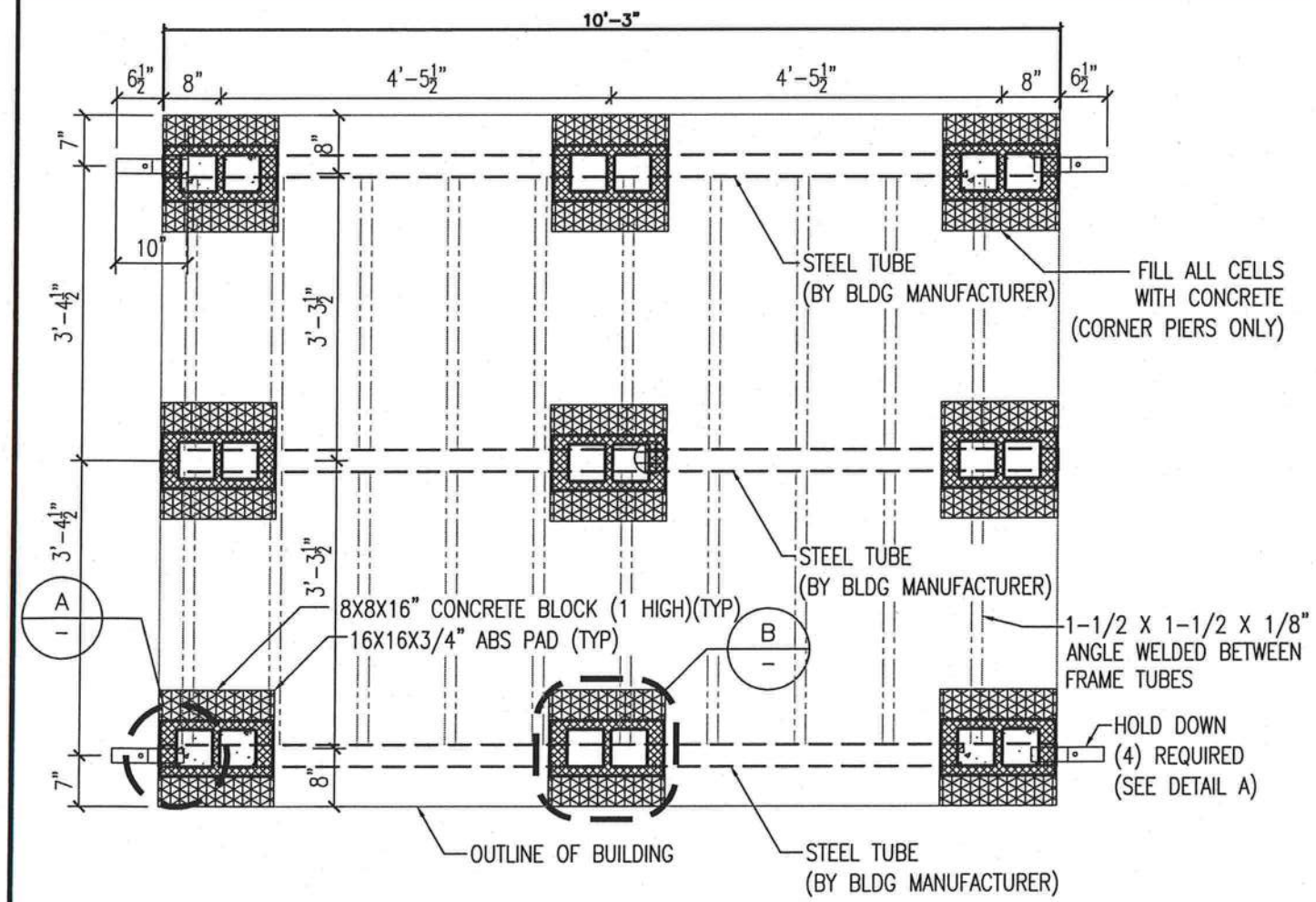
NORTH FL VENDING INC.
POLAR VEND XL
LAKE CITY, FLORIDA

TITLE SHEET

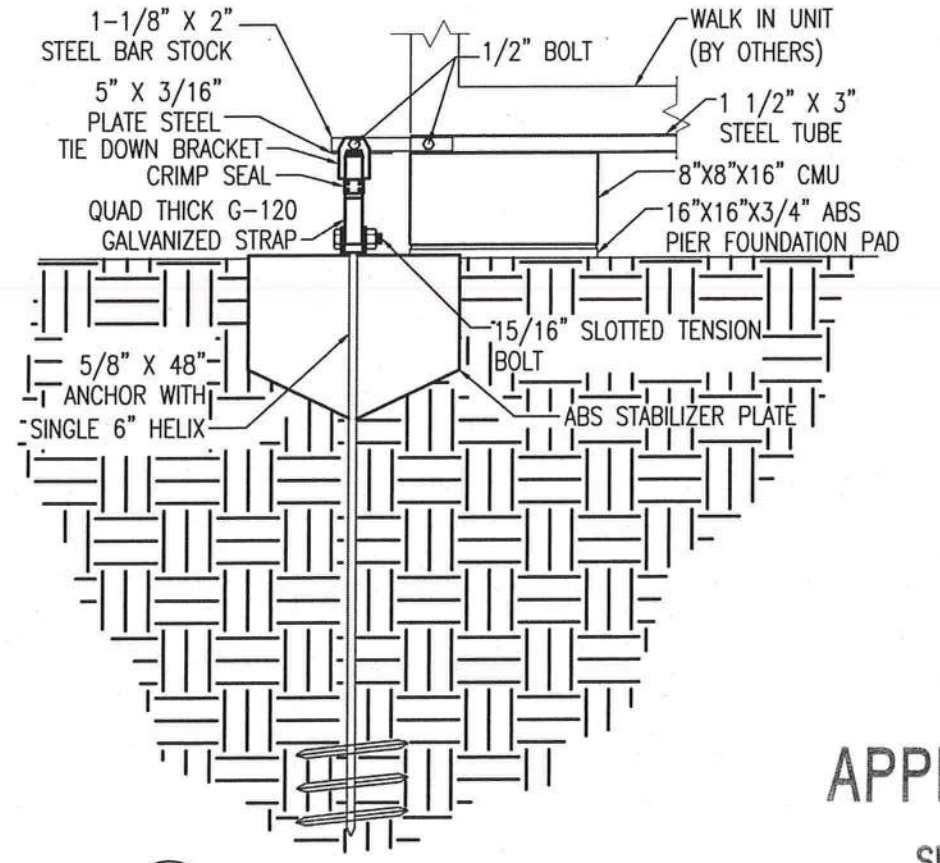
PROJECT NUMBER PF08-097
DRAWN BY F. VULETICH
CHECKED BY G.G.

T-1.0

SHEET 1 OF 16



FOUNDATION PLAN
1/2" = 1'-0"



A TIE DOWN DETAIL
3/4" = 1'

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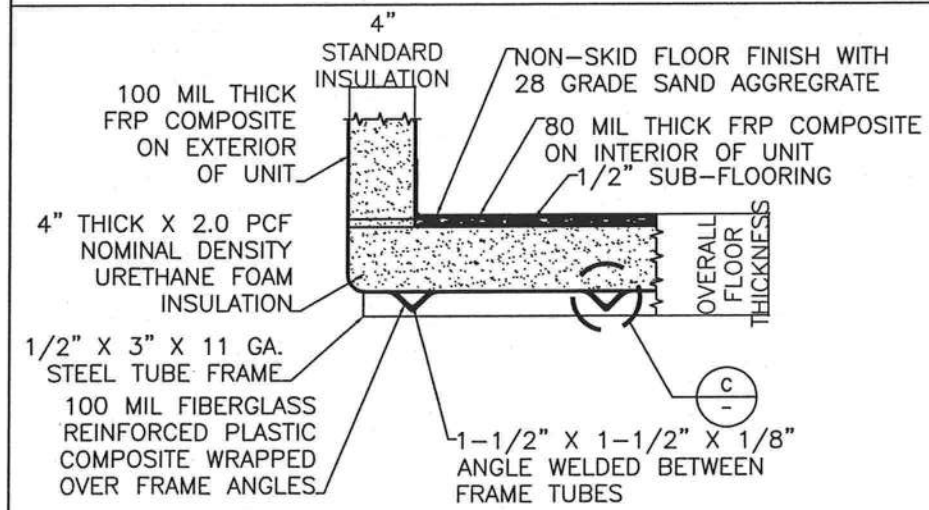
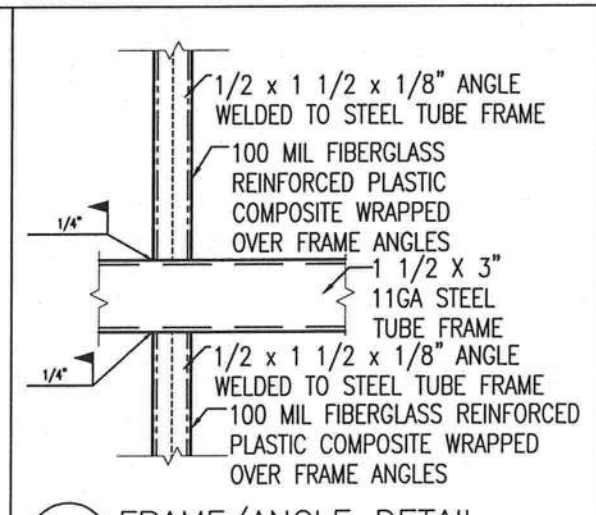


FRAME / ANGLE SECTION
1" = 1'-0"



C FRAME/ANGLE DETAIL
1 1/2" = 1'-0"

WELDING NOTES
ALL STRUCTURAL STEEL WELDED TO BE CE
TO AWS D1.1: ALL JOINT CONFIGURATIONS
WELDER AVAILABLE TEST RECORDS AND WE
KEPT IN PLANT NEAR WELDING AREA.

1/5/10

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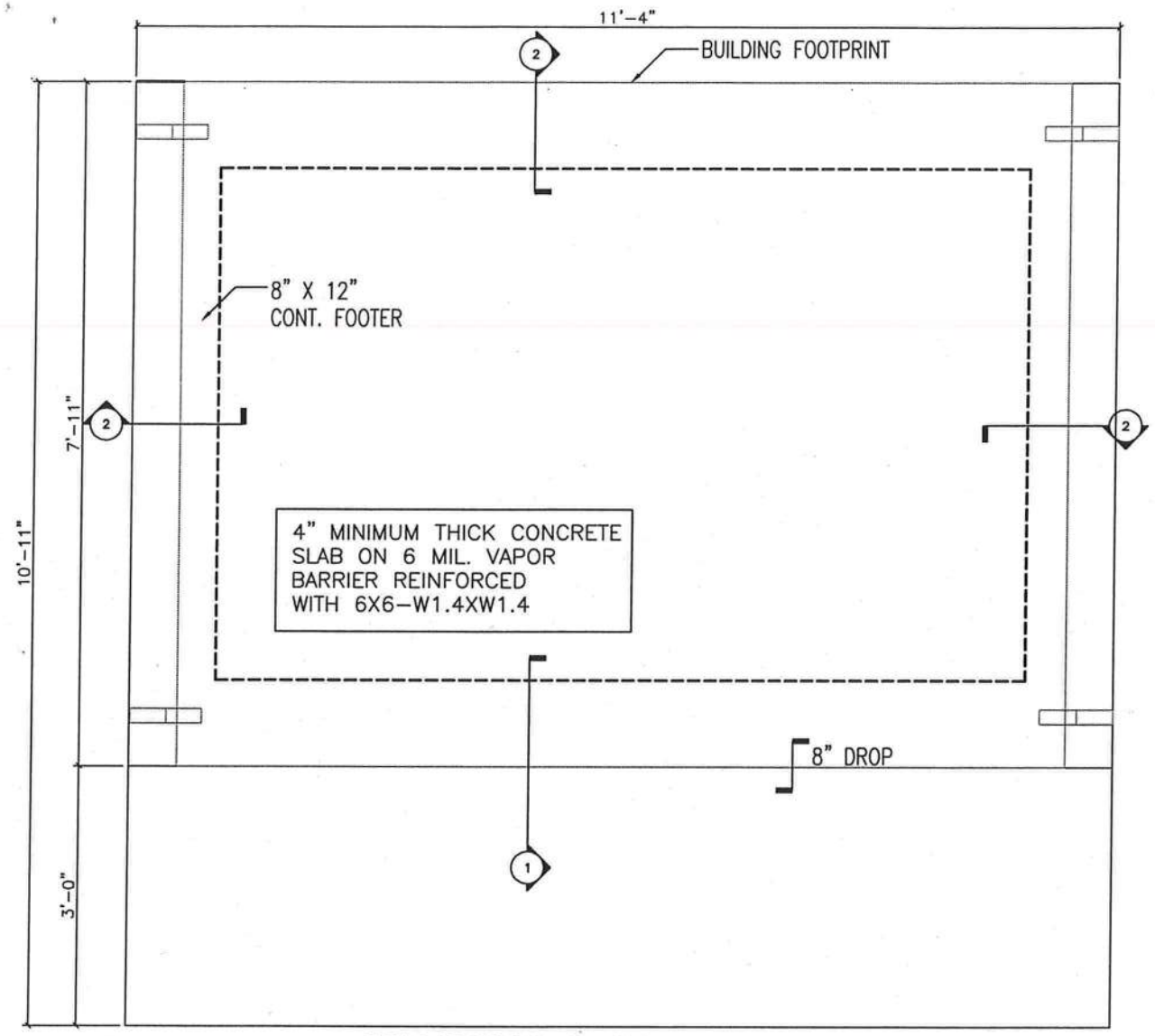
NORTH FL VENDING INC.
POLAR VEND XL
LAKE CITY, FLORIDA

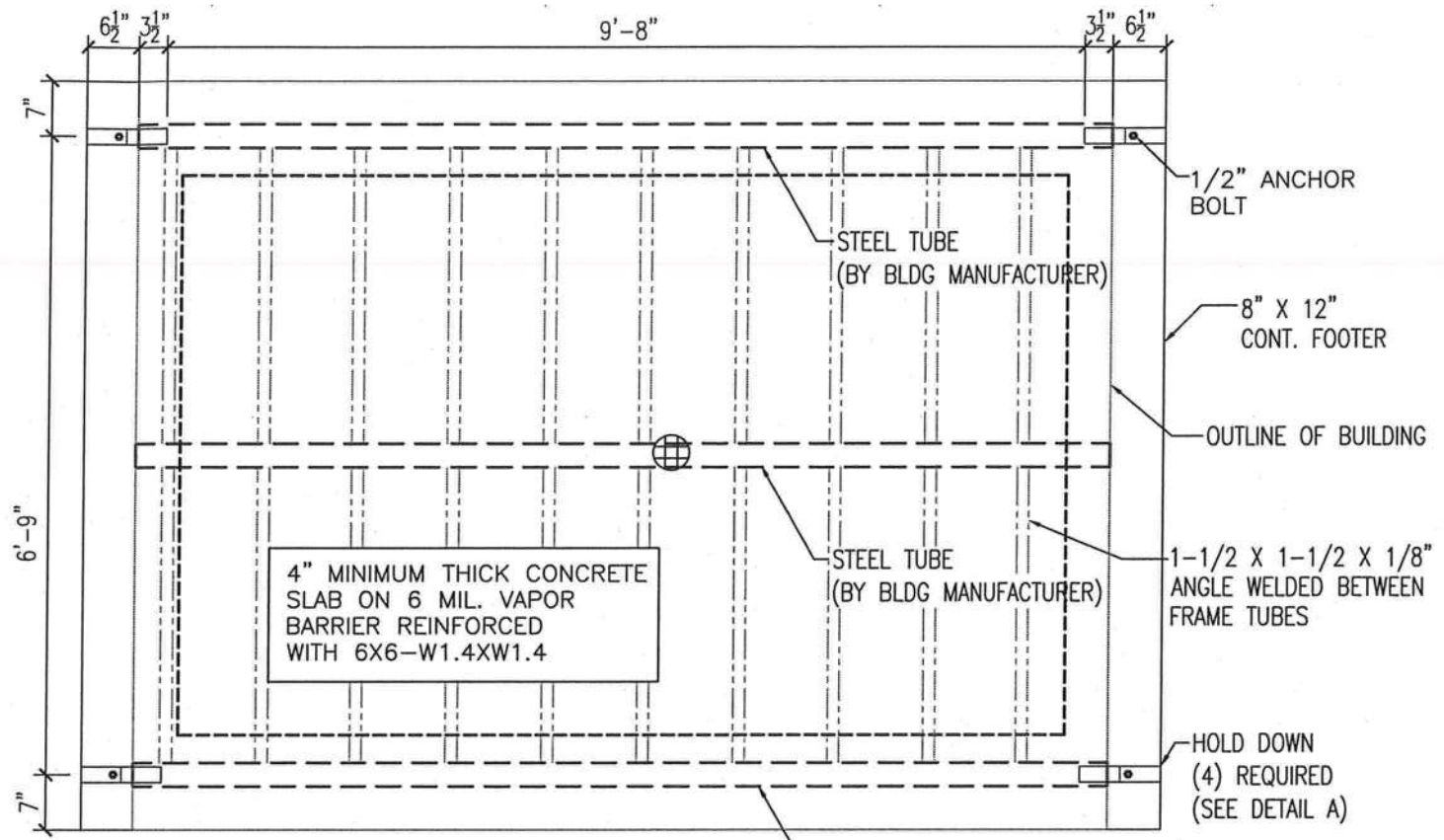
FOUNDATION PLAN

PROJECT NUMBER PF08-097
DRAWN BY F. VULETICH
CHECKED BY G.G.
S-1.0
SHEET 2 OF 16

4-Sep-08



FOUNDATION PLAN
1/2" = 1'-0"



TIE DOWN PLAN
1/2" = 1'-0"

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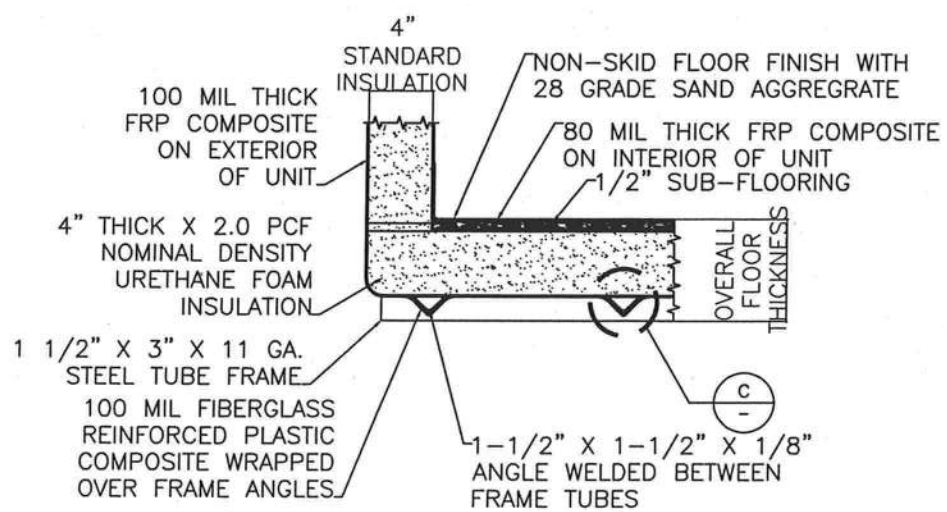
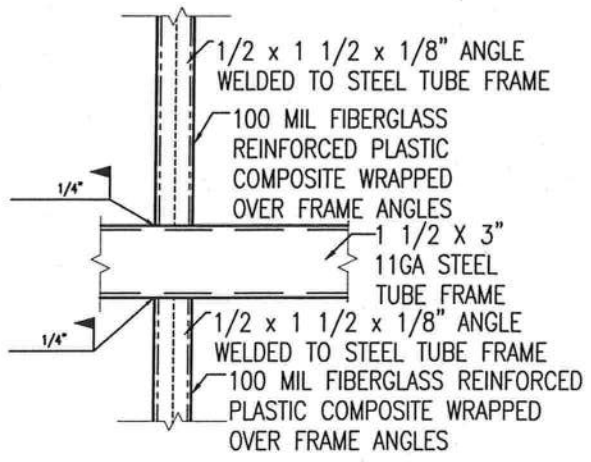


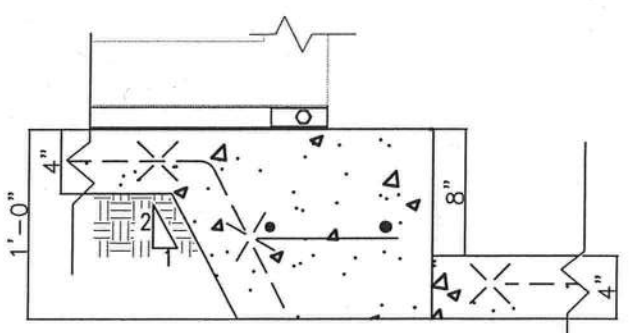
FRAME / ANGLE SECTION
1" = 1'-0"



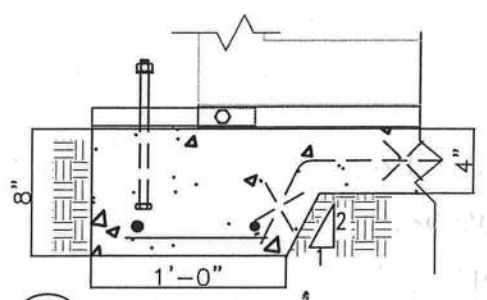
C FRAME/ANGLE DETAIL
1 1/2" = 1'-0"

WELDING NOTES

ALL STRUCTURAL STEEL WELDED TO BE CERTIFIED FOR POSITION AND METHOD TO AWS D1.1: ALL JOINT CONFIGURATIONS TO BE PREQUALIFIED UNDER AWS D1.1. WELDER AVAILABLE TEST RECORDS AND WELD PROCEDURE SPECIFICATIONS WILL BE KEPT IN PLANT NEAR WELDING AREA.



1 FOOTING DETAIL
1" = 1'



2 FOOTING DETAIL
1" = 1'

7/1/08

4-Sep-08

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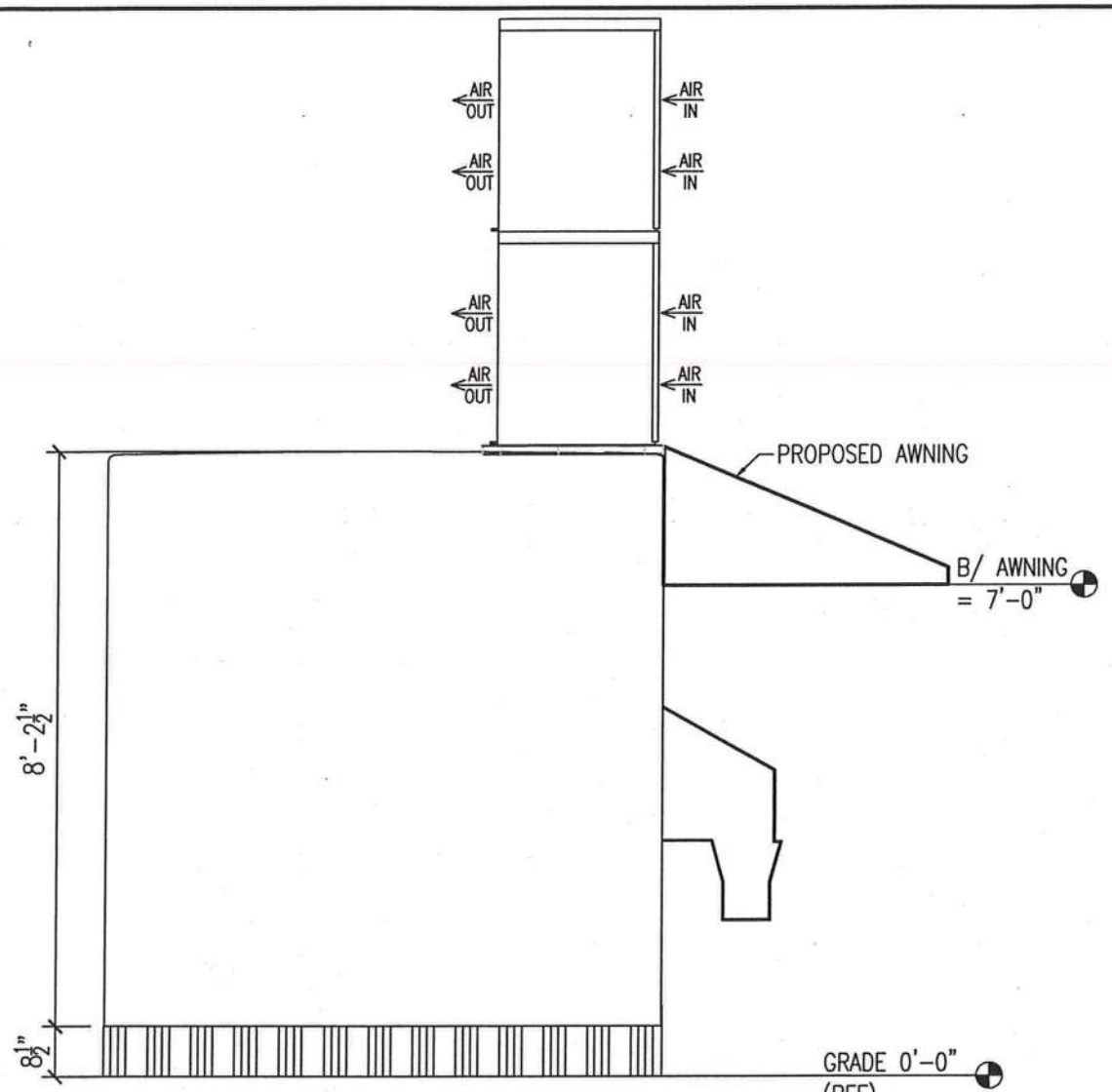
N. FL VENDING INC.
POLAR VEND XL
LAKE CITY, FLORIDA

ALTERNATE FOUNDATION

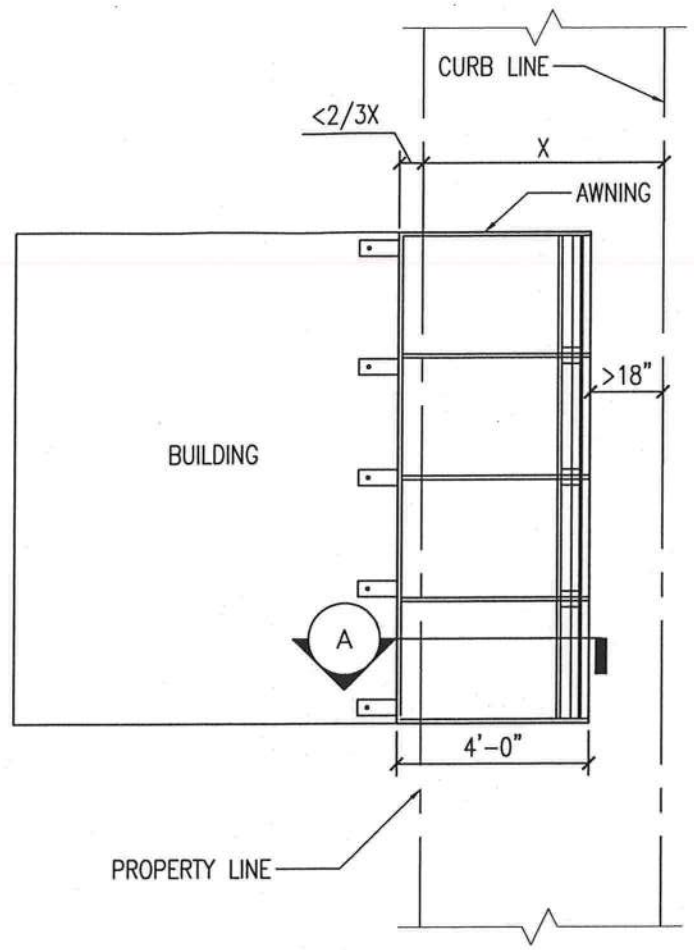
PROJECT NUMBER PF08-097
DRAWN BY F. VULETICH
CHECKED BY G.G.

S-1.1

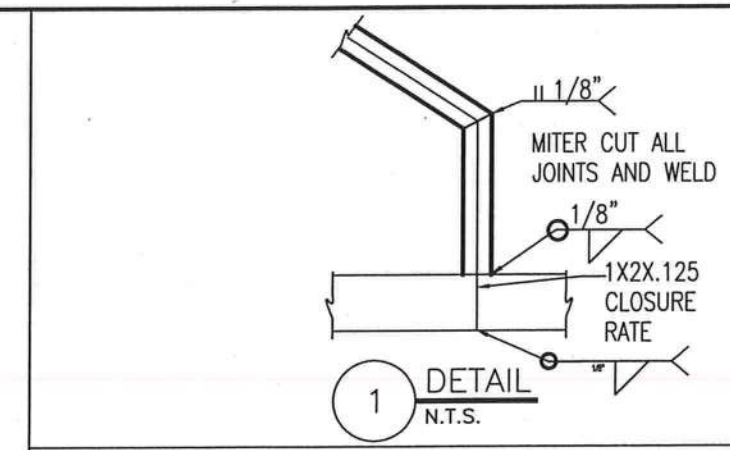
SHEET 3 OF 16



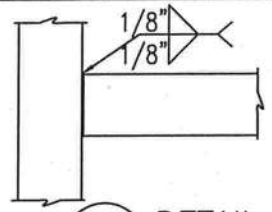
SIDE VIEW W/ AWNING
3/8" = 1'



SITE PLAN
1/4" = 1'-0"



1 DETAIL
N.T.S.



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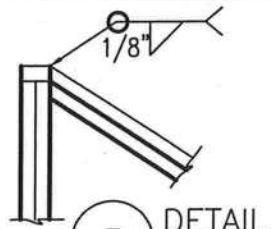
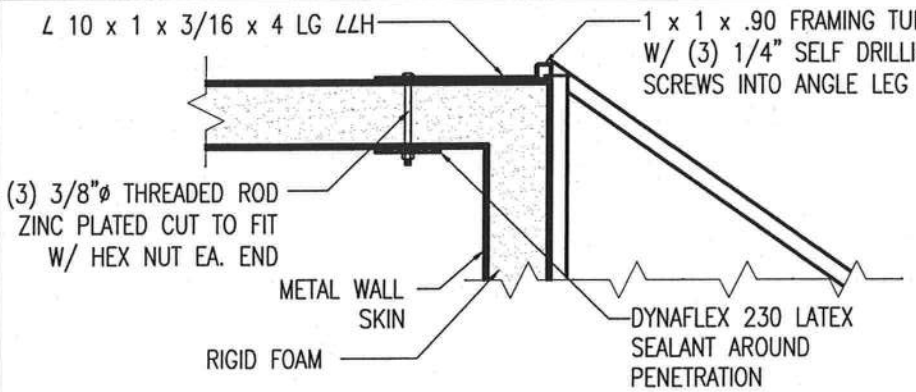
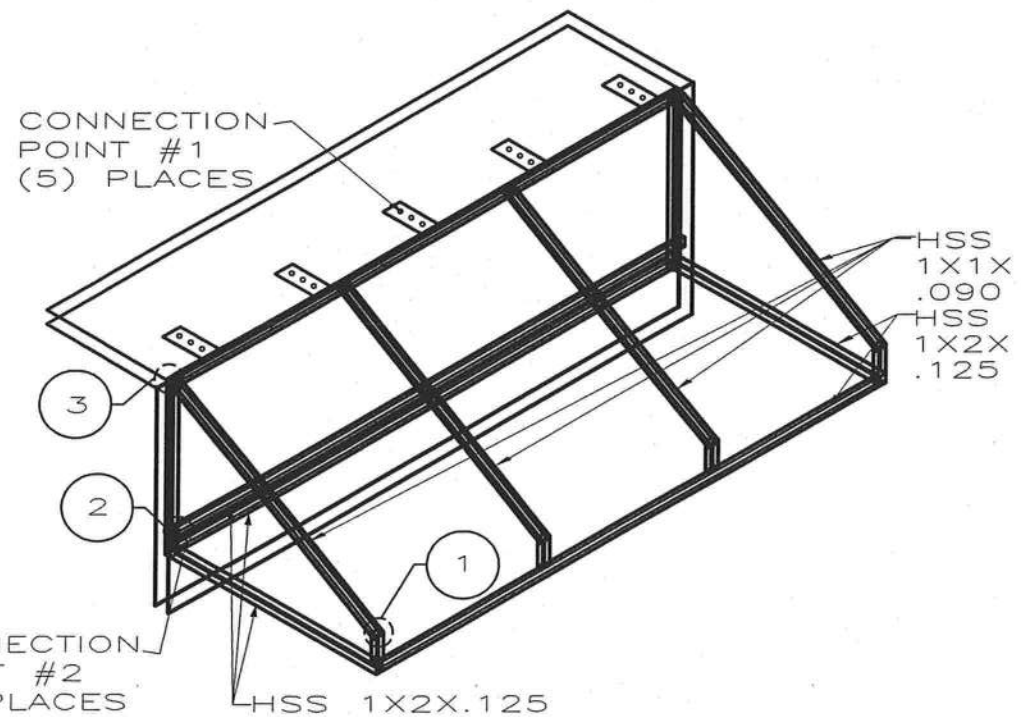


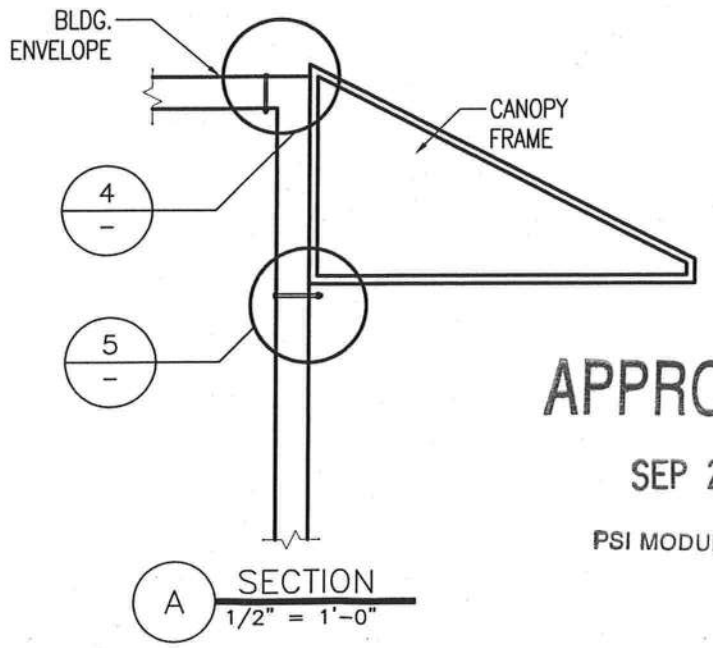
3 DETAIL
N.T.S.



4 DETAIL – (3) LOCATIONS
1" = 1'-0"



4-Sep-08



A SECTION
1/2" = 1'-0"

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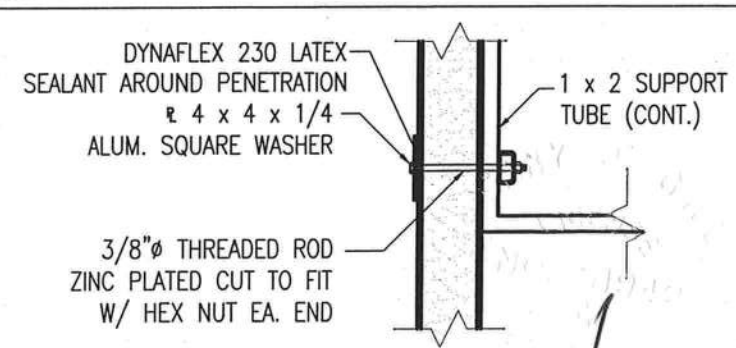

5 DETAIL – (3) LOCATIONS
1" = 1'-0"

7/5/08

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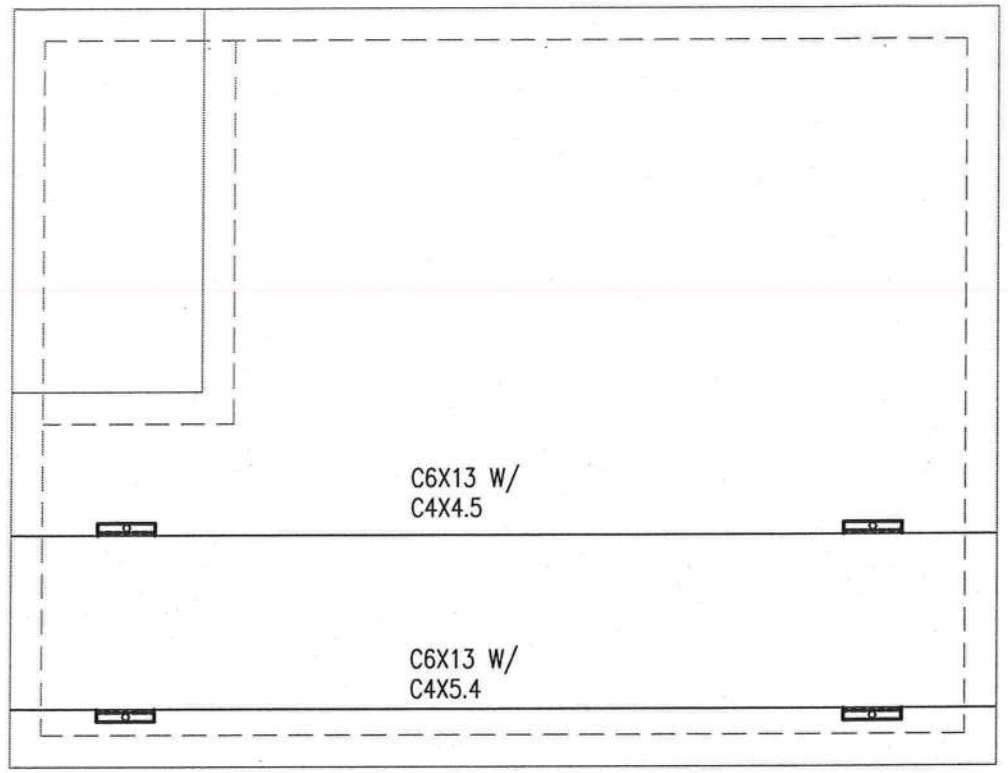
STRUCTURAL DETAILS

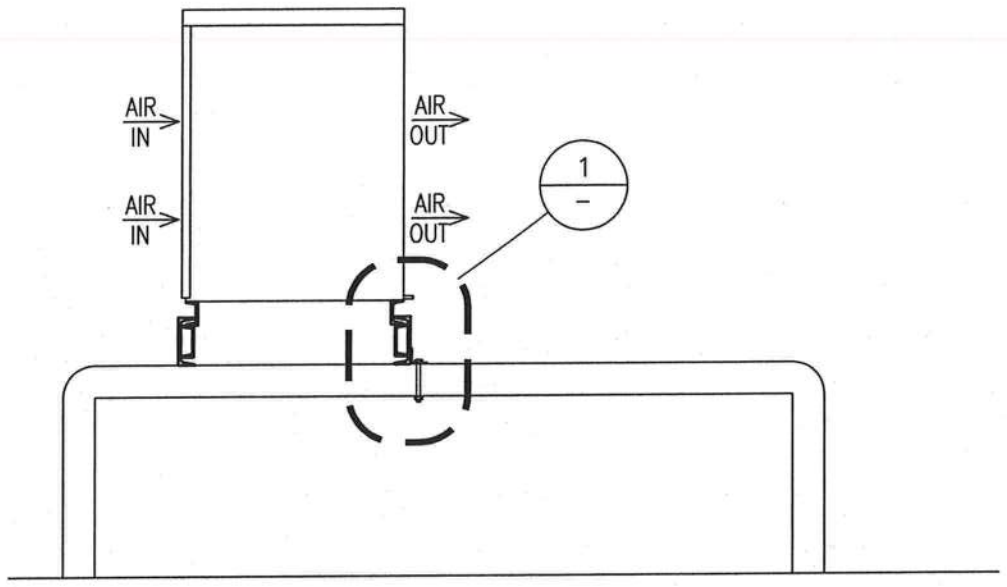
PROJECT NUMBER PF08-097
DRAWN BY F. VULETICH
CHECKED BY G.G.

S-2.0

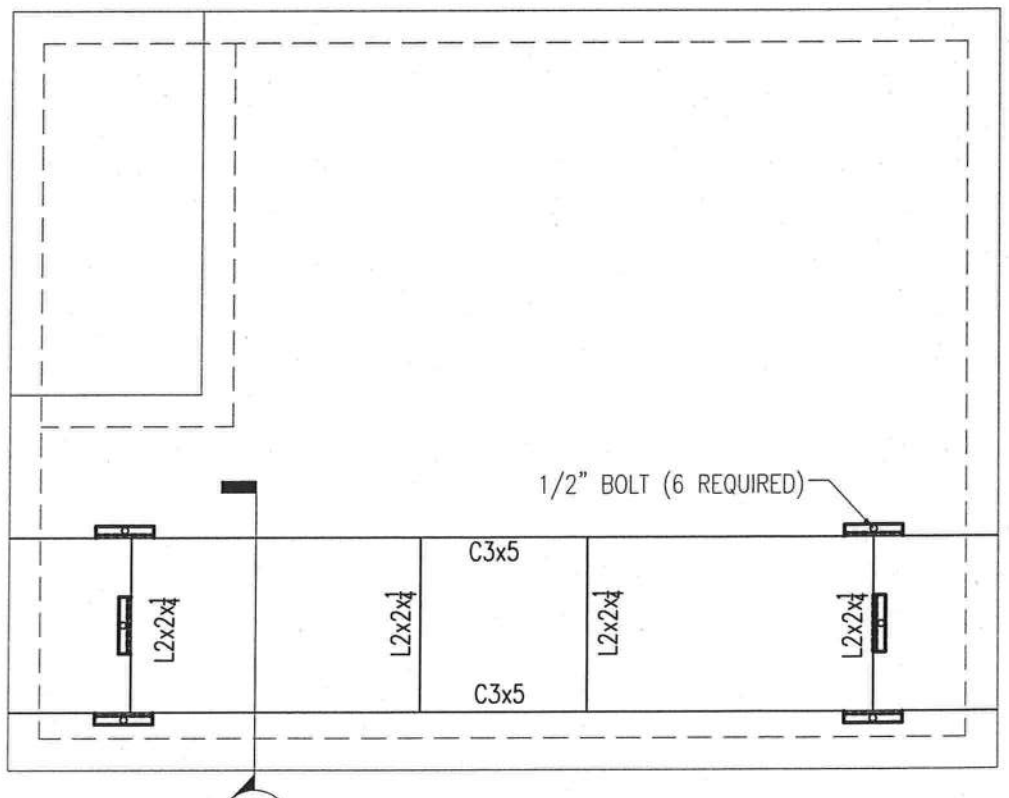
SHEET 4 OF 16



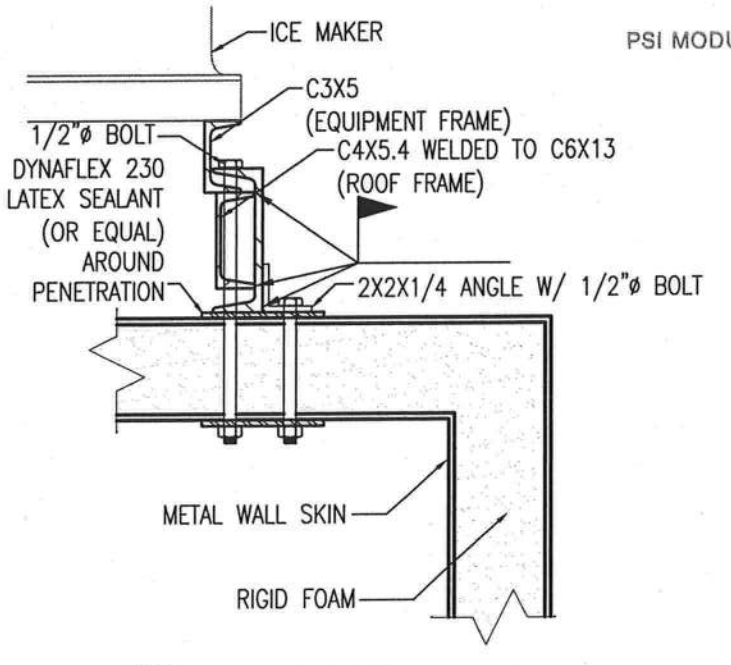
ROOF FRAMING PLAN
1/2" = 1'-0"



A ROOF SECTION
1/2" = 1'-0"



EQUIPMENT FRAMING PLAN
1/2" = 1'-0"



1 GUIDE DETAIL
1 1/2" = 1'

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4/5/08

4-Sep-08

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Gary J. Gill, PE
Auth. # 9461
STRUCTURAL/CIVIL ENGINEERS

N. FL VENDING INC.
POLAR VEND XL
LAKE CITY, FLORIDA

ROOF EQUIPMENT FRAME

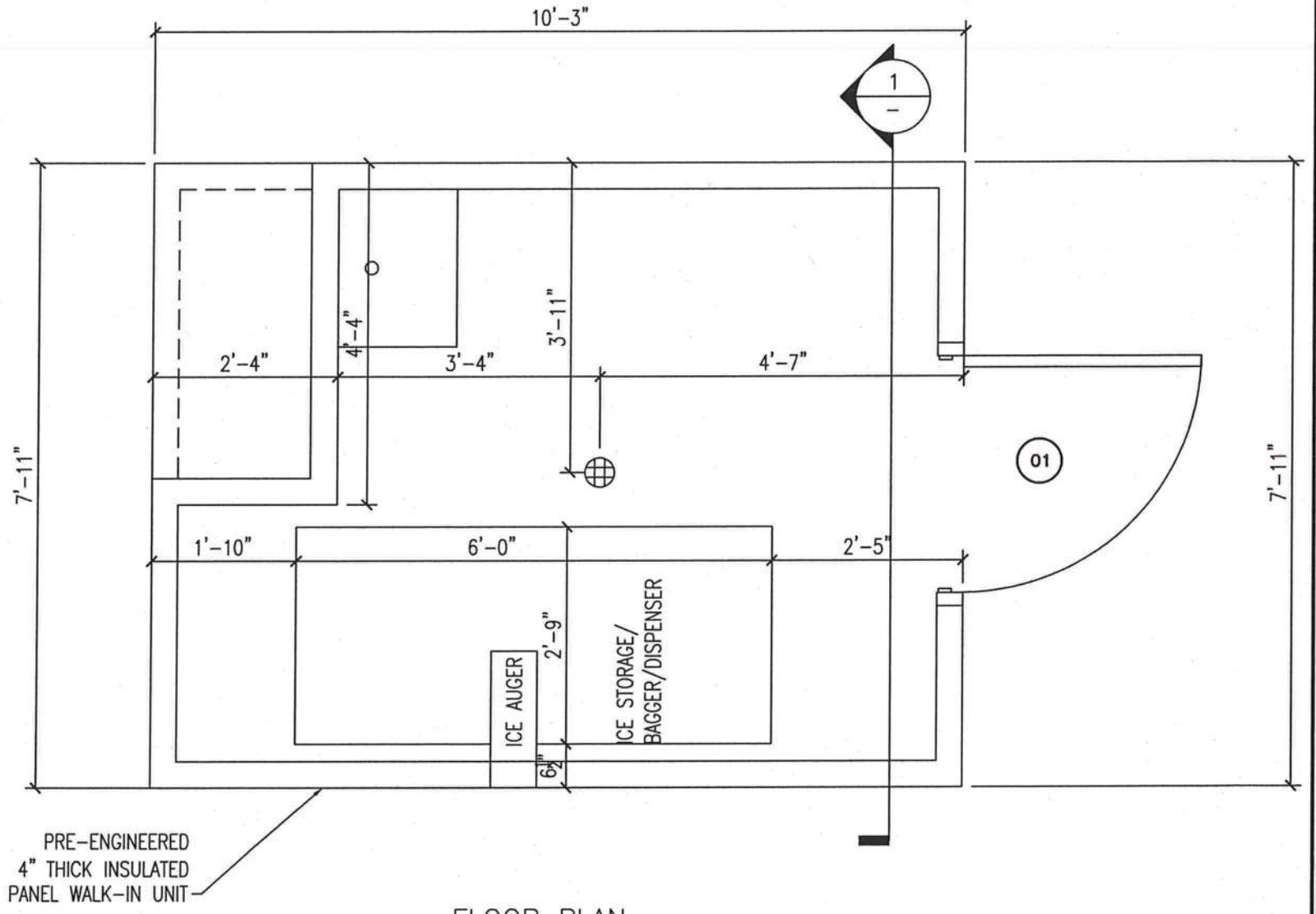
PROJECT NUMBER PF08-097
DRAWN BY F. VULETICH
CHECKED BY G.G.

S-3.0

SHEET 5 OF 16

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE WD	DOOR SIZE HGT	DOOR SIZE THK	DOOR MATL	FRAME MATL
1	3'-0"	6'-8"	1 3/4"	FIBERGLASS	METAL



FLOOR PLAN
1/2" = 1'-0"

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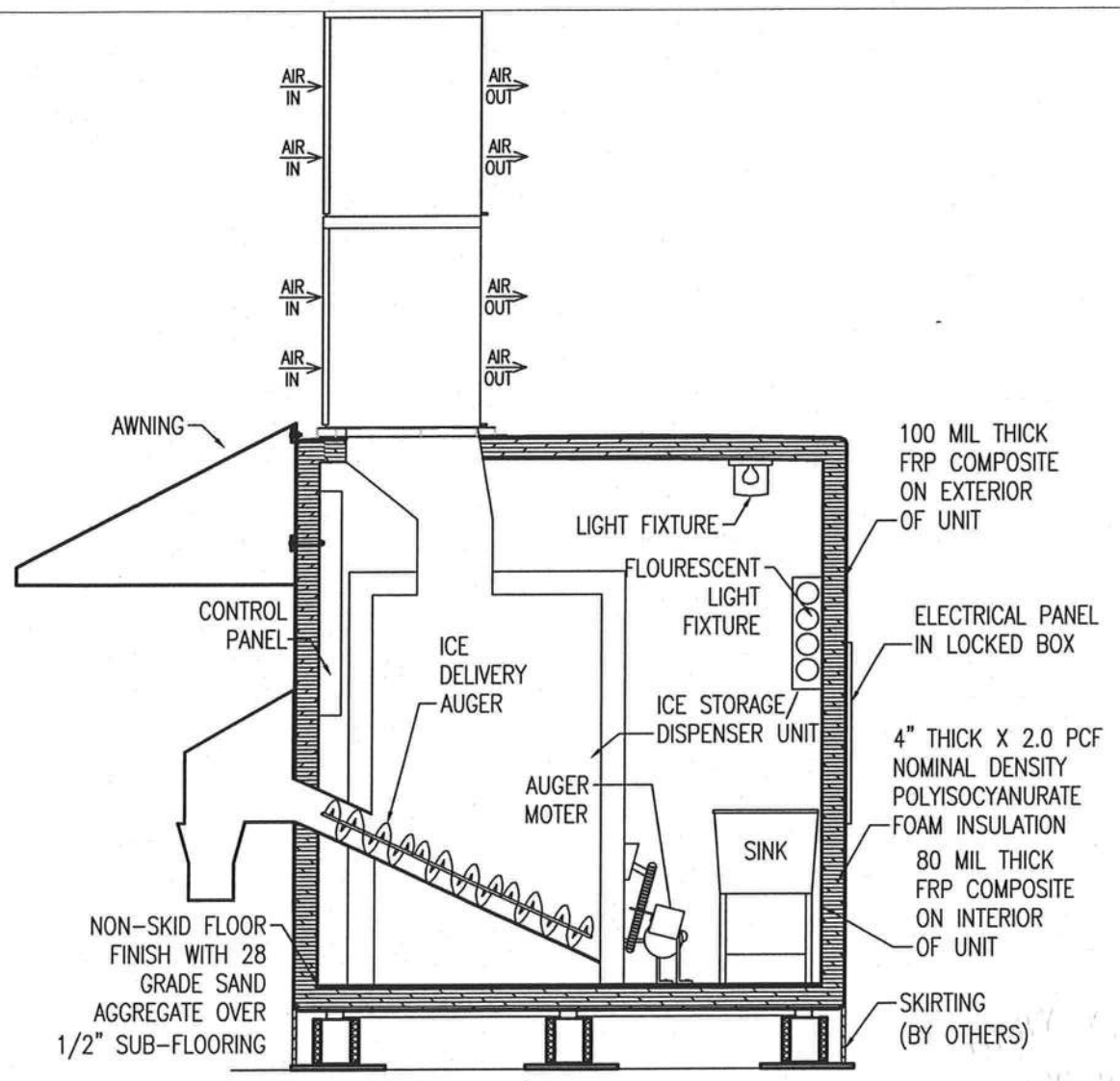

1 SECTION
3/8" = 1'

9/5/08

dg STRUCTURAL/CIVIL ENGINEERS
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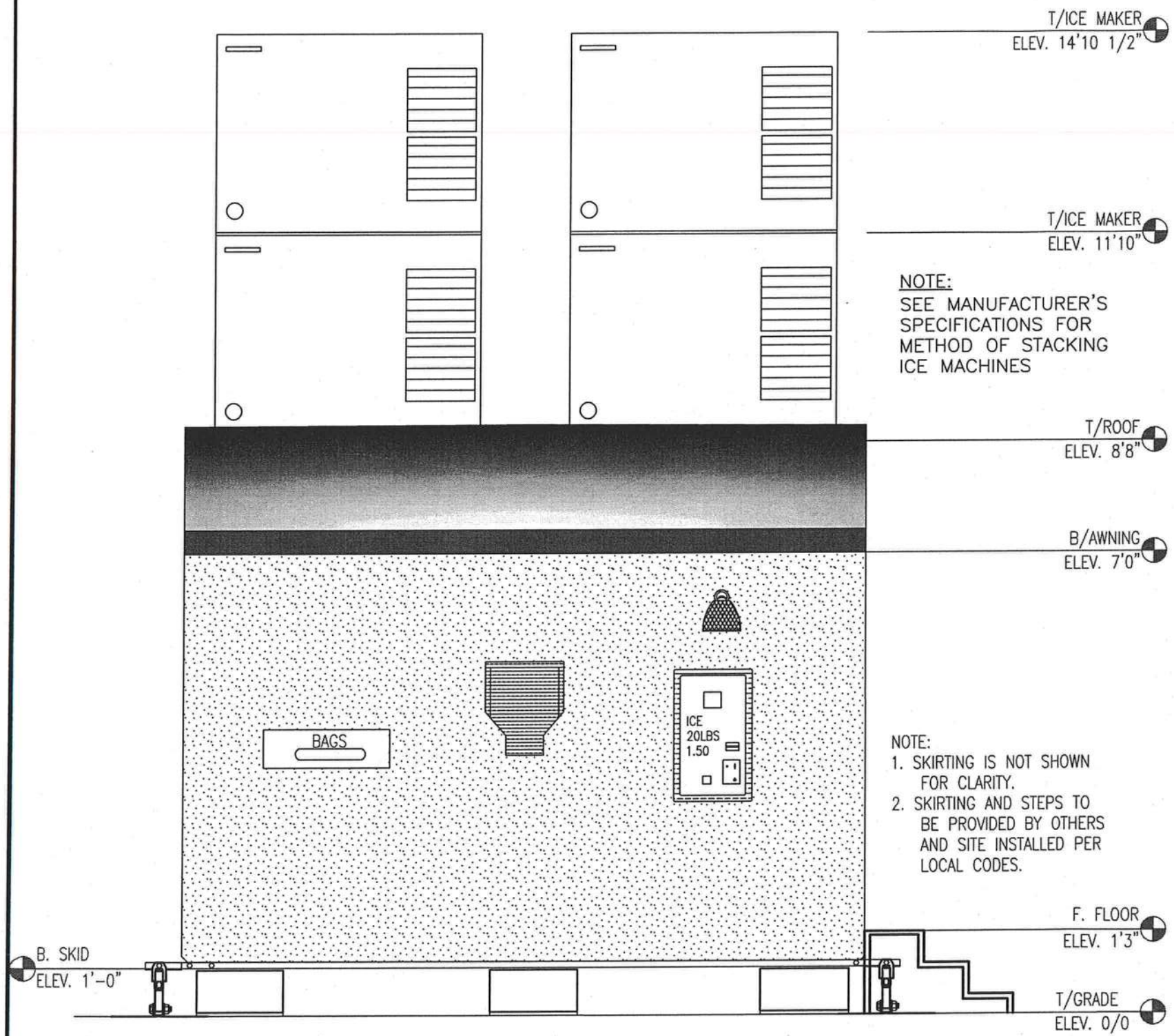
NORTH FL VENDING INC.
POLAR VEND XL
LAKE CITY, FLORIDA

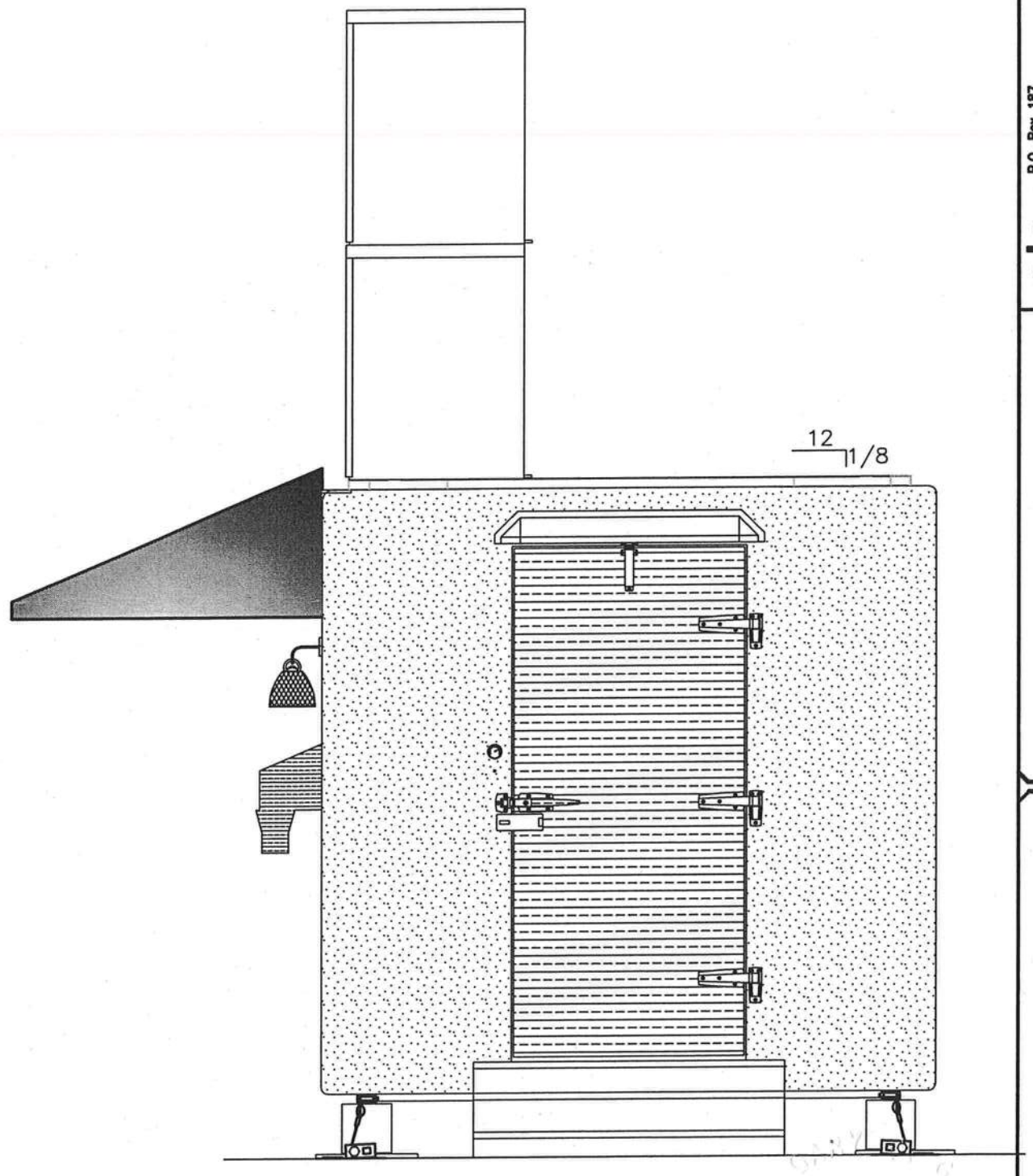
FLOOR PLAN

PROJECT NUMBER PF08-087
DRAWN BY F. VULETICH
CHECKED BY G.G.
A-1.0
SHEET 8 OF 16

4-Sep-08



FRONT ELEVATION
1/2" = 1'-0"



RIGHT ELEVATION
1/2" = 1'-0"

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4-Sep-08

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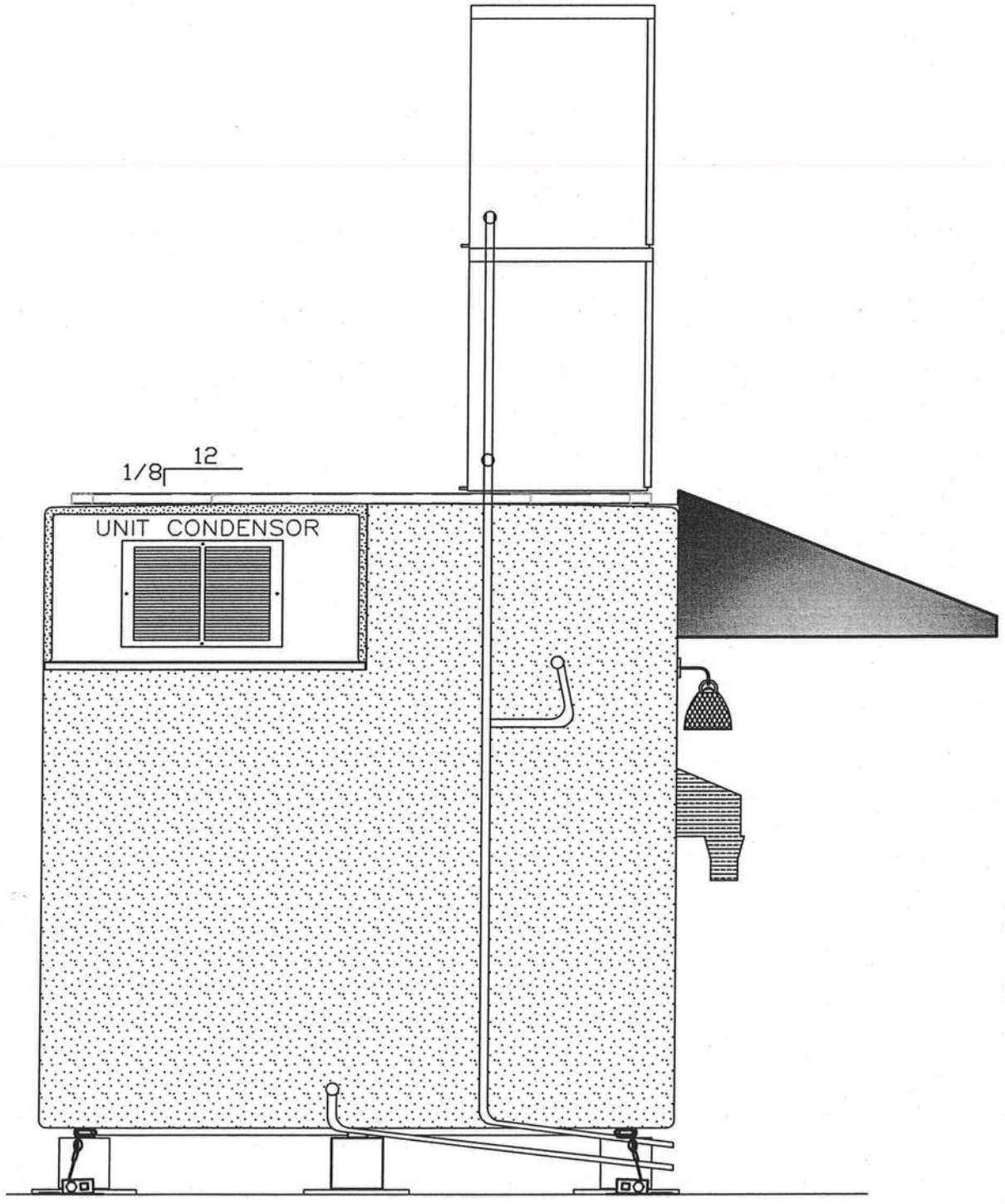
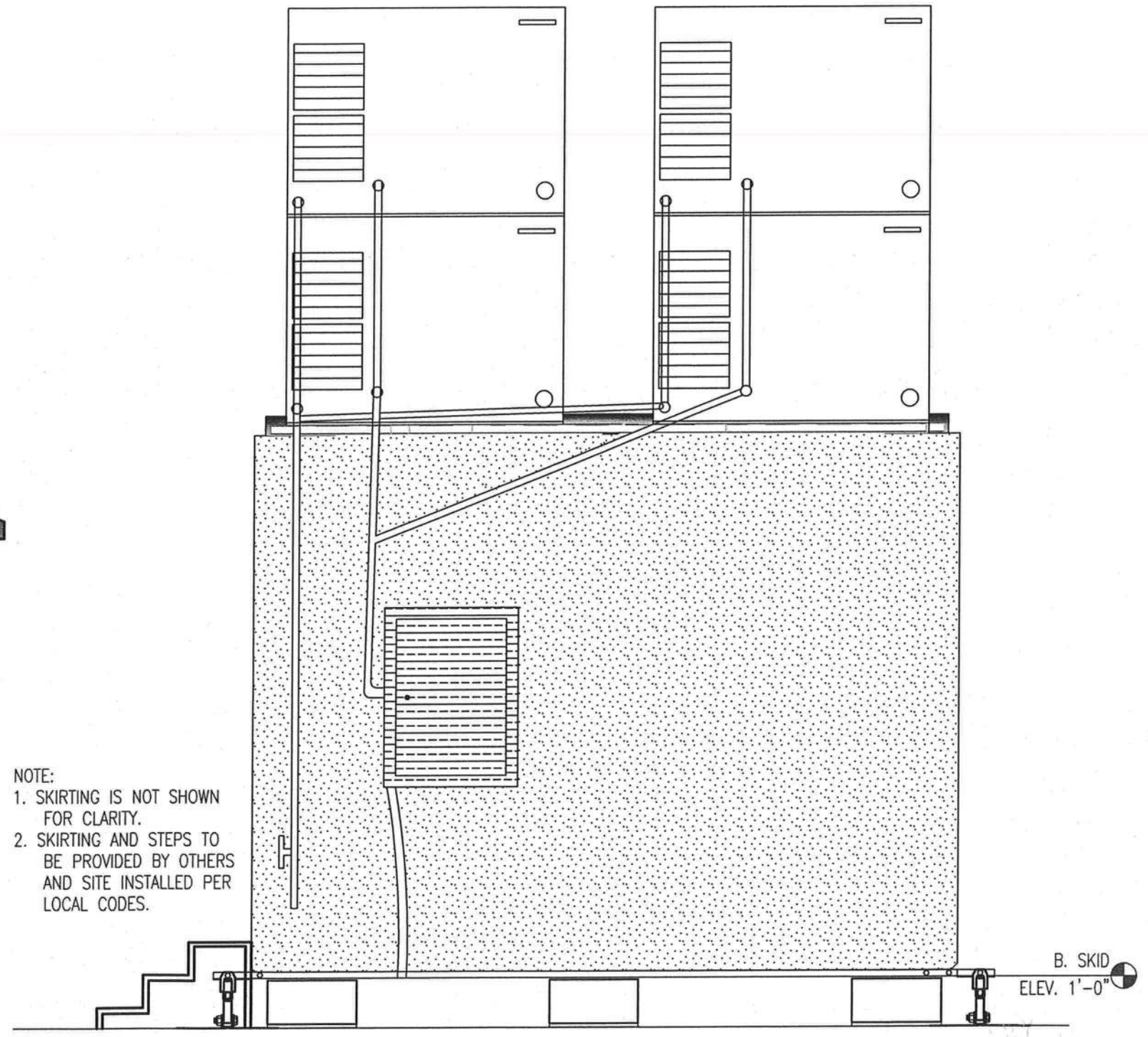
NORTH FL VENDING INC.
POLAR VEND XL
LAKE CITY, FLORIDA

ELEVATIONS

PROJECT NUMBER PP08-087
DRAWN BY F. VULETICH
CHECKED BY G.G.
A-2.0
SHEET 7 OF 10



LEFT ELEVATION
1/2" = 1'-0"



NOTE:
1. SKIRTING IS NOT SHOWN FOR CLARITY.
2. SKIRTING AND STEPS TO BE PROVIDED BY OTHERS AND SITE INSTALLED PER LOCAL CODES.

REAR ELEVATION
1/2" = 1'-0"

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NORTH FL VENDING INC.
POLAR VEND XL
LAKE CITY, FLORIDA

ELEVATIONS

PROJECT NUMBER: PF08-097
DRAWN BY: F. VULETICH
CHECKED BY: G.G.
A-2.1
SHEET 8 OF 16

PANEL	MAIN PANEL	FEEDER	
FED FROM	METER	NUMBER OF CONDUITS	1
# CIRCUITS	12	FEEDER CONDUIT	1 1/2"
HI VOLTAGE	230	WIRE SIZE L1	#2/0
LOW VOLTAGE	120	WIRE SIZE L2	#2/0
PHASE	1		
DESIGN LOAD AMPS	160	WIRE SIZE NEUTRAL	#2/0
NEUTRAL BUS	YES	WIRE SIZE GROUND	#6
GROUND BUS	YES		
AVAILABLE FAULT CURRENT AT THIS PANEL	28,411		
MAIN BREAKER SIZE AMPS	175		
		POLAR ICE BIN XL	
		DUAL ICE MACHINE	

#	BKR	CIRCUIT DESCRIPTION		H	I	VA		VA	I	H		CIRCUIT DESCRIPTION	BKR	#
1	30A-2P	ICE MAKER			M	2,070	L1	2,070	M			ICE MAKER	30A-2P	2
3	XX	UNIT #1			M	2,070	L2	2,070	M			UNIT #2	XX	4
5	30A-2P	REFRIGERATION			M		L1	460	M			AUGER MOTOR	20A-2P	6
7	XX				M		L2	460	M				XX	8
9	20A-1P	LIGHTS-RECEPTICLES			G	500	L1	500	G			CONTROL POWER	20A-1P	10
11					G		L2		G					12

NOTE:
ELECTRICAL PANEL IS RATED FOR OUTSIDE USE NEMA 3R

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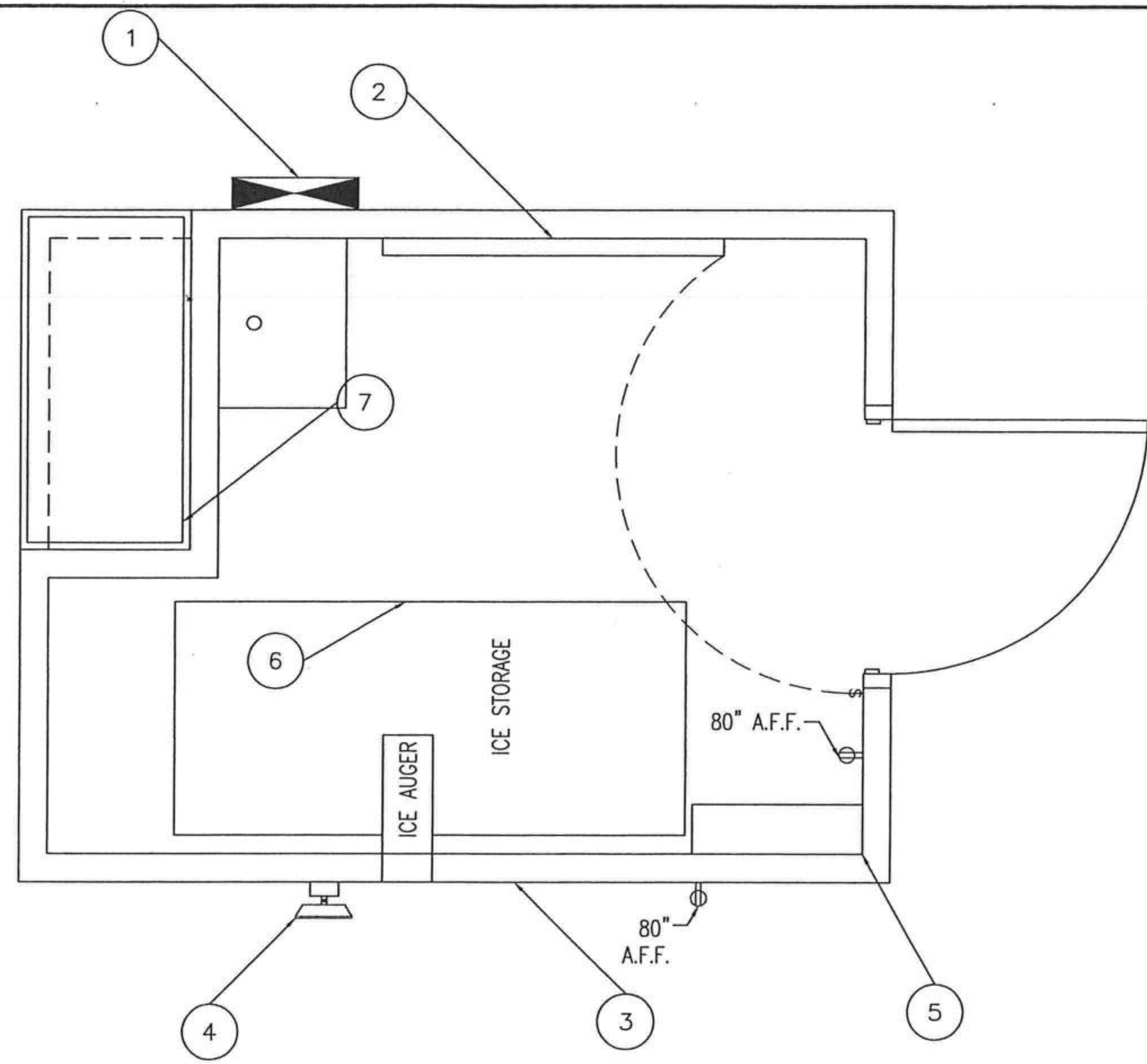
NORTH FL VENDING INC.
POLAR VEND
LAKE CITY, FLORIDA

ELECTRICAL PANEL

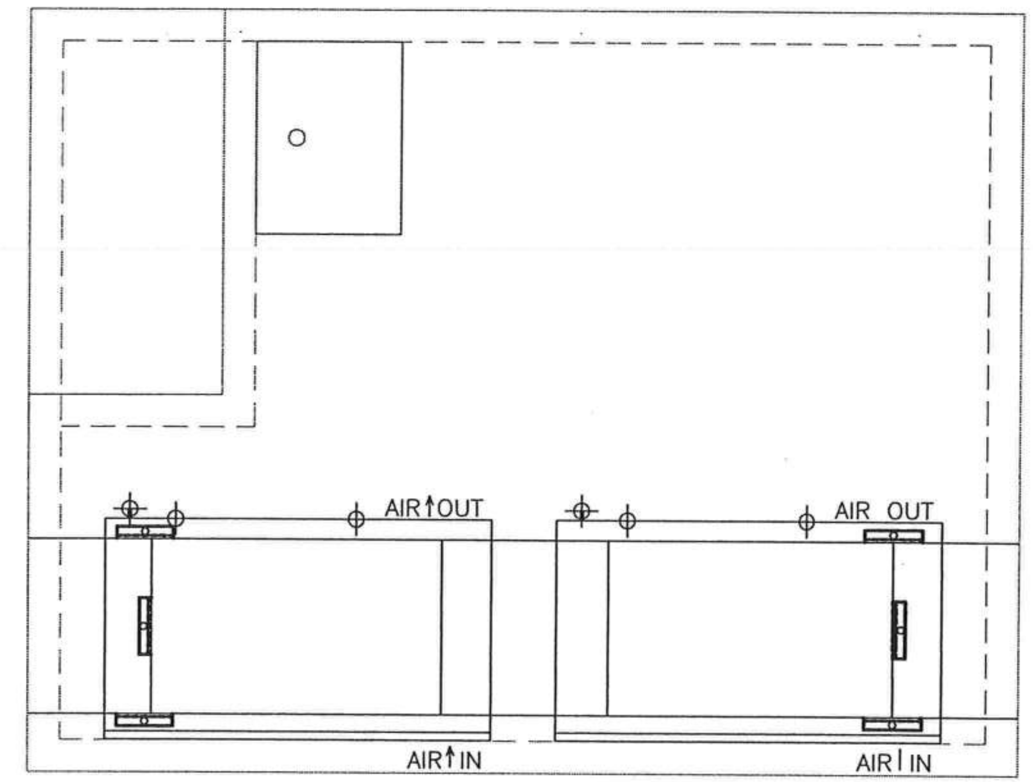
PROJECT NUMBER PF08-097
DRAWN BY F. VULETICH
CHECKED BY G.G.
E-2.0
SHEET 10 OF 16



1 ELECTRIAL PLAN
1/2" = 1'-0"

ELECTRICAL SCHEDULE		
ITEM NUMBER	DESCRIPTION	ITEMS REQ'D
1	ELECTRIC PANEL – 200 AMPS	1
2	48" FLUORESCENT FIXTURE – 4 T-8 BULBS FULLY ENCLOSED AND PROTECTED	1
3	MONEY / CUSTOMER INTERFACE	1
4	EXTERIOR LIGHTING ON PHOTO-CELL	1
5	CONTROL PANEL	1
6	CONVEYING SYSTEM W/ (1) 2 HP MOTOR	1

EQUIPMENT SCHEDULE					
ITEM NUMBER	DESCRIPTION	MODEL NUMBER	VOLTAGE	MAX. FUSE SIZE	MIN CIRCUIT AMPACITY
1	HOSHIZAKI ICE MAKER	KM-1800SAH	208-230/60/1ø	30 AMP	30.00
2	HOSHIZAKI ICE MAKER	KM-1800SAH	208-230/60/1ø	30 AMP	30.00



ELECTRICAL PLAN TOP
1/2" = 1'-0"

LOAD CALCULATIONS FOR "PANEL MAIN PANEL"
BASED ON THE 2005 NEC

BASED ON THE 2005 NEC

	L1	L2	
CALCULATED LOAD (NEC 215.5)	5,000 VA	4,000 VA	
CALCULATED LOAD WITH DEMAND FACTORS (NEC 215.5)			
GENERAL LOAD	1,000 VA	0 VA	
RECEPTACLE LOAD (NEC 220.14)			
1ST 10,000W	0 VA	0 VA	
CONTINUOUS LOAD (NEC 215.2)	0 VA	0 VA	
PLUS 25%	0 VA	0 VA	
MOTOR LOAD (NEC 430.24)	4,000 VA	4,000 VA	
PLUS 25% OF LARGEST MOTOR	510 VA	510 VA	
KITCHEN LOAD (NEC 220.56)			
L1 (0 X 1) =	0 VA		
L2 (0 X 1) =		0 VA	
L3 (X 1) =			
TOTAL BALANCED LOAD (1-PHASE)	5,110 VA	5,110 VA	0 VA
TOTAL UNBALANCED LOAD (1-PHASE)	1,000 VA	0 VA	0 VA
LINE AMPS BALANCED (1-PHASE)	44.5 A	44.5 A	0.0 A
LINE AMPS UNBALANCED (1-PHASE)	8.3 A	0.0 A	0.0 A
TOTALS	52.8 A	44.5 A	0.0 A
ADJUSTMENT FACTOR	13.2 A	11.1 A	0.0 A
TOTAL DESIGN LOAD	66.0 A	55.6 A	0.0 A

VOLTAGE DROP CALCULATIONS
Single Phase (2 X 20'L X 0.0087 R X 52.8 A ÷ 1,000) = 0.2 VD
Voltage Drop% (0.2 VD ÷ 208V X 100) = 0.1% VD

FAULT CURRENT CALCULATIONS
Available Fault Current at Starting Point (50,000 AFC X 1 [illegible]) = 50,000 AFC
Conductor Factor CF - Formula 2 X 20'L X 50,000 AFC [illegible] = 0.765 CF
Conductor Multiplier CM - Formula (1) ÷ (1 + 0.765 CF) = 0.567 CM
Conductor Let-Through Current CLC - Formula (50,000 AFC X 0.567 CM) = 28,411 CLC

A - Amps
AFC - Available Fault Current
C - Conductor Constant
CF - Conductor Factor
CLC - Conductor Let-Through Current
CM - Conductor Multiplier
L - Length of Conductor
MC - Motor Contribution
N - Number of Conductors Per Phase
R - Resistance
UA - Utility Adjustment
V - Voltage
VA - Volt Amps
VD - Voltage Drop

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9/5/08

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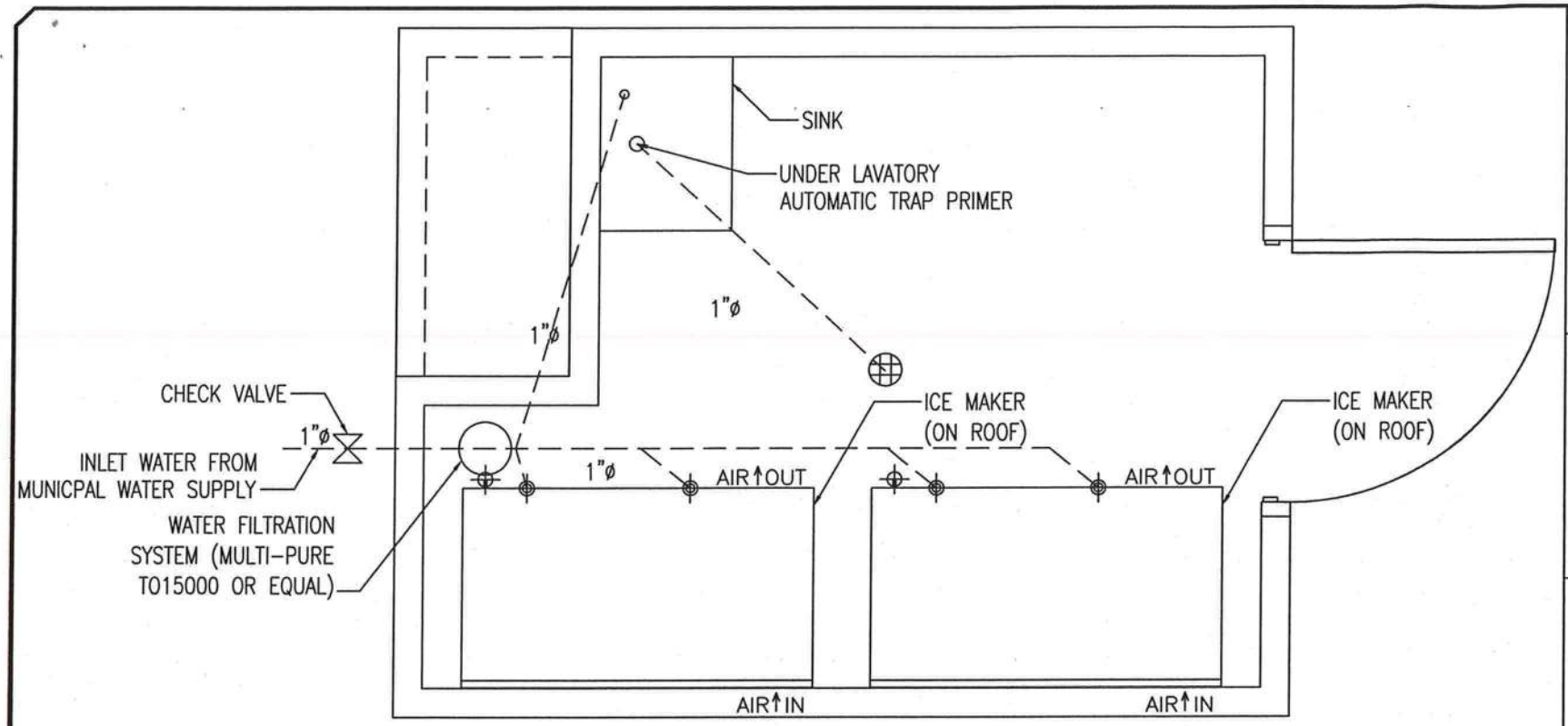
STRUCTURAL/CIVIL ENGINEERS

NORTH FL VENDING INC.
POLAR VEND
LAKE CITY, FLORIDA

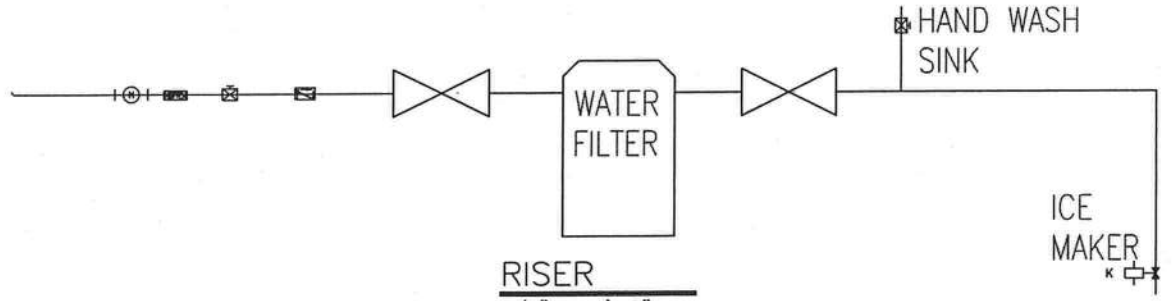
ELECTRICAL PLAN

PROJECT NUMBER PF08-097
DRAWN BY F. VULETICH
CHECKED BY G.G.

E-1.0



WATER PLAN
1/2" = 1'-0"



RISER
1/2" = 1'-0"

LEGEND	
- - - - - - - -	COLD WATER
———	WASTE
----—·—·----	CONDENSATE

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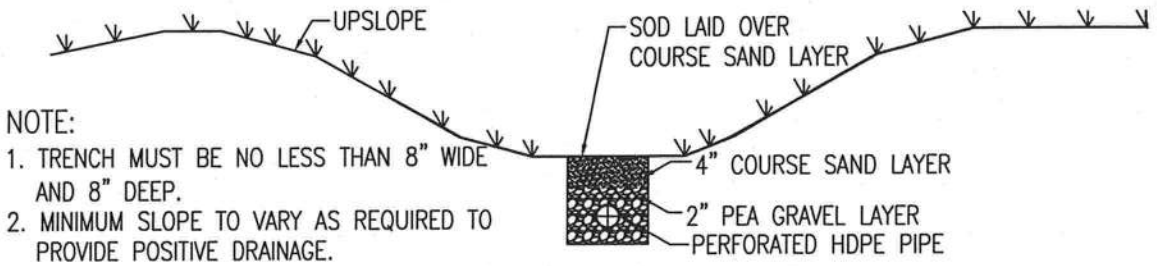
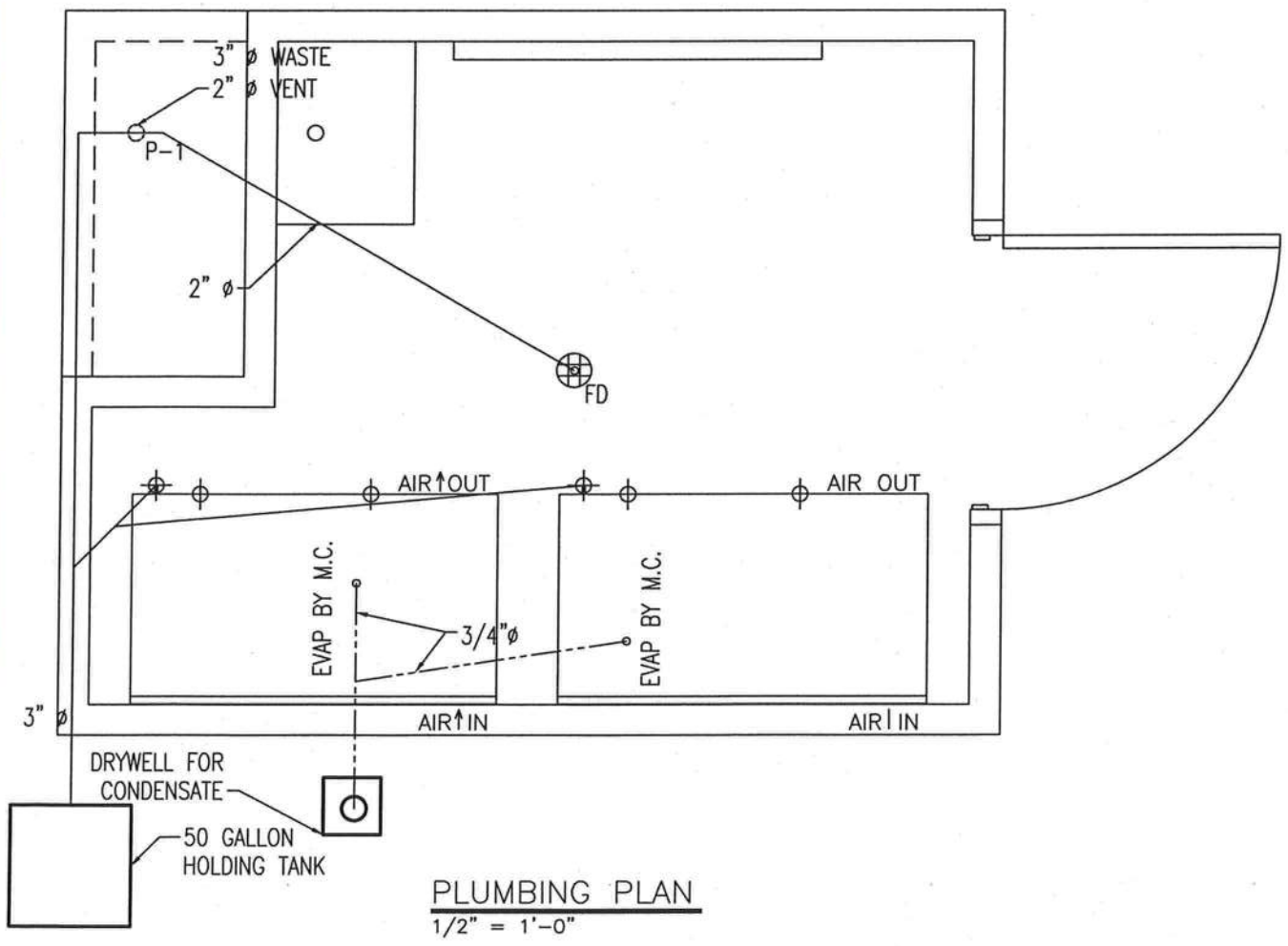


NOTE:
1. TRENCH MUST BE NO LESS THAN 8" WIDE AND 8" DEEP.
2. MINIMUM SLOPE TO VARY AS REQUIRED TO PROVIDE POSITIVE DRAINAGE.

TRENCH DRAIN DETAIL
1/2" = 1'



PLUMBING PLAN
1/2" = 1'-0"

4-Sep-08

1. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, ETC. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION.
2. ALL WORK AND MATERIAL SHALL COMPLY WITH THE NATIONAL, STATE, AND ALL LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
3. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECUTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
4. ALL MATERIAL SHALL BE NEW.
5. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
6. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OR PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
7. THE PLUMBING CONTRACTOR SHALL SECURE AND PAY ALL PERMIT FEES, INSPECTIONS, AND TESTS.
8. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
9. THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) ONE YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGES AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE IN THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
10. VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. ADVISE ENGINEER / ARCHITECT OF ANY DISCREPANCIES.
11. ALL FIXTURES SHALL BE PROVIDED WITH READILY ACCESSIBLE STOPS.
12. WATER PIPING SHALL BE CPVC.
13. SOIL, WASTE, & VENT PIPING SHALL BE PVC SCHEDULE 40 DMV. WASTE & VENT PIPING ABOVE SLAB SHALL BE PVC.
14. CONDENSATE DRAIN PIPING SHALL BE PVC SCHEDULE 40. INSULATE ALL CONDENSATE PIPING EXCEPT EXTERNAL PIPING. ALL PIPING TO BE INSTALLED PER LOCAL CODE.
15. FURNISH AND INSTALL APPROVED AIR CHAMBERSAT EACH PLUMBING FIXTURE AND PDI APPROVED SHOCK ARRESTERS ON MAIN LINE AND RISERS.
16. PROVIDE CHROME PLATED COMBINATION COVERED PLATE AND CLEANOUT PLUG FOR ALL WALL CLEANOUTS, JOSAM #58890.
17. INSULATE LINES AS FOLLOWS:
    a. WATER SUPPLY AND RETURNS: 1" THICK ARMAFLEX INSULATION
    b. CONDENSATE DRAIN: 1/2" THICK ARMAFLEX INSULATION
18. ALL PIPING, FITTINGS, VALVES FILTRATION SYSTEM AND FILTERS ARE MADE FROM ADA APPROVED MATERIALS AND MEET THE FOLLOWING STANDARDS: ANSI/NSF 61, ANSI/NSF 14, CSA B137.5, ASTM F877, NSF-U.P.
19. CHECK VALVE, WATER METER, BACKFLOW PREVENTER AND WATER HAMMER ARRESTORS ARE FIELD INSTALLED BY OWNER

1/5/09

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Auth. # 9461

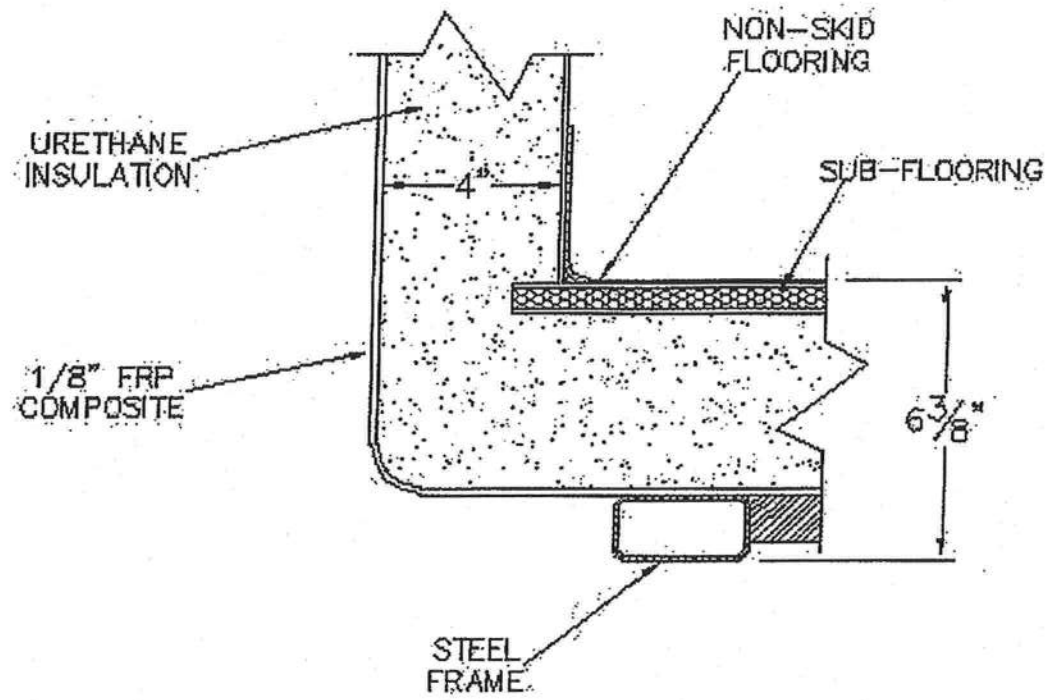
NORTH FL VENDING INC.
POLAR VEND XL
LAKE CITY, FLORIDA

PLUMBING AND WATER PLAN

PROJECT NUMBER PF08-097
DRAWN BY F. VULETICH
CHECKED BY G.G.

P-1.0

SHEET 11 OF 16



FLOOR TYPE	FLOOR HEIGHT
HEAVY DUTY	6 3/8"
EXTRA HEAVY DUTY	6 5/8"

FLOOR SPECIFICATIONS

CURB DETAIL

DRAWN BY:	MODEL NO.:	SCALE:	DATE:
MD Leppek	CAT-B4		3-13-01

DRAWING NAME: SPECIFICATION SHEET CAT-B4 CURB DETAIL

Polar King
INTERNATIONAL INC.

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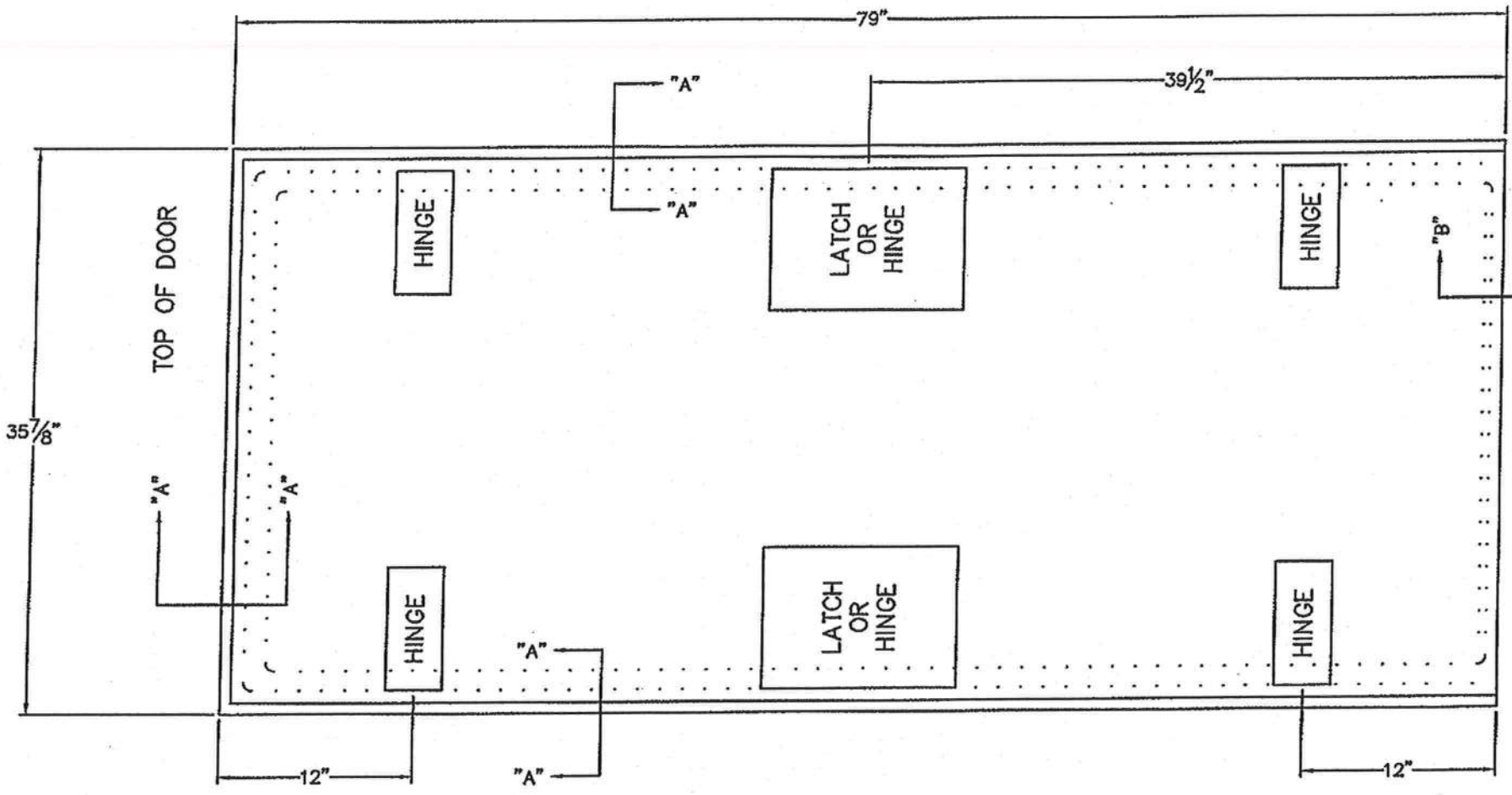

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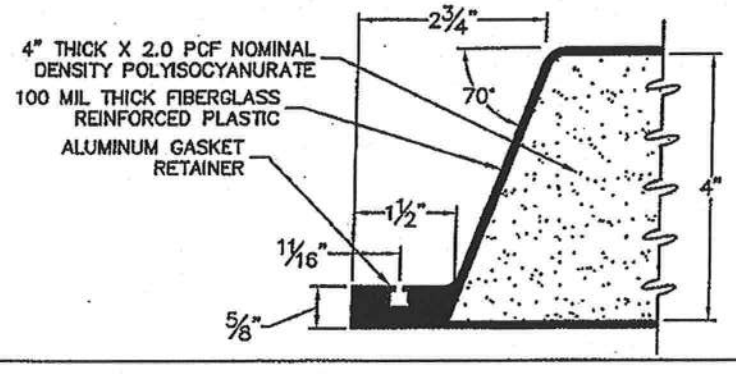
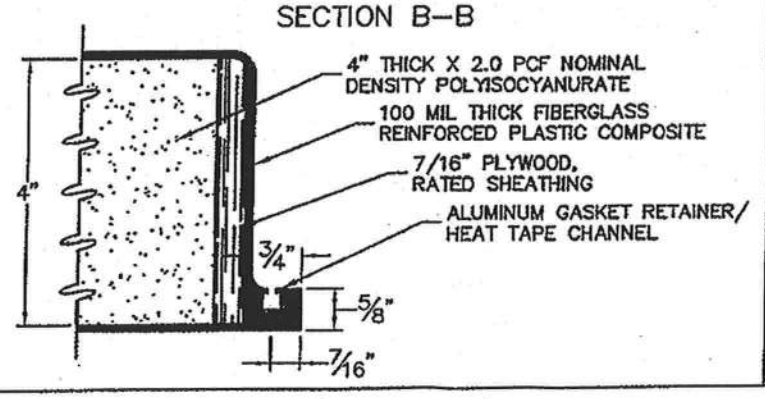
2X SPF DIMENSIONAL LUMBER REINFORCEMENT FOR HARDWARE

SECTION A–A



SECTION B–B



36" x 79" Nominal

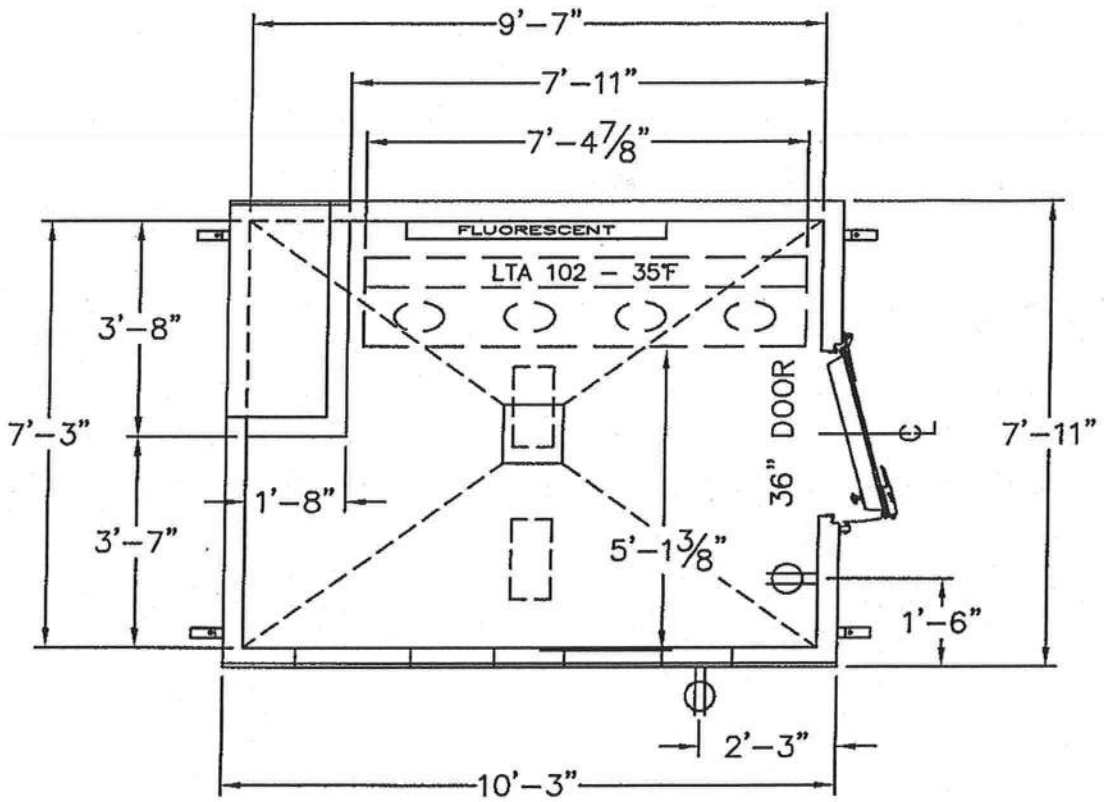
4" Core Insulation

DRAWN BY:	MODEL NO.:	SCALE:	DATE:
MD Leppek		1"=1'-0"	1-18-07

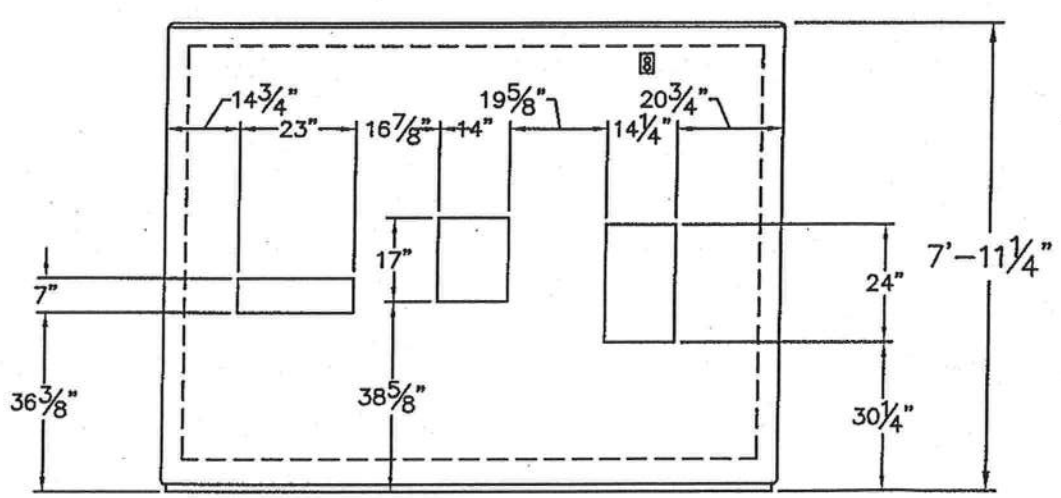
DRAWING NAME: 36 x 79 x 4 Door

Polar King INTERNATIONAL INC.
FORT WAYNE, INDIANA 1-800-752-7178

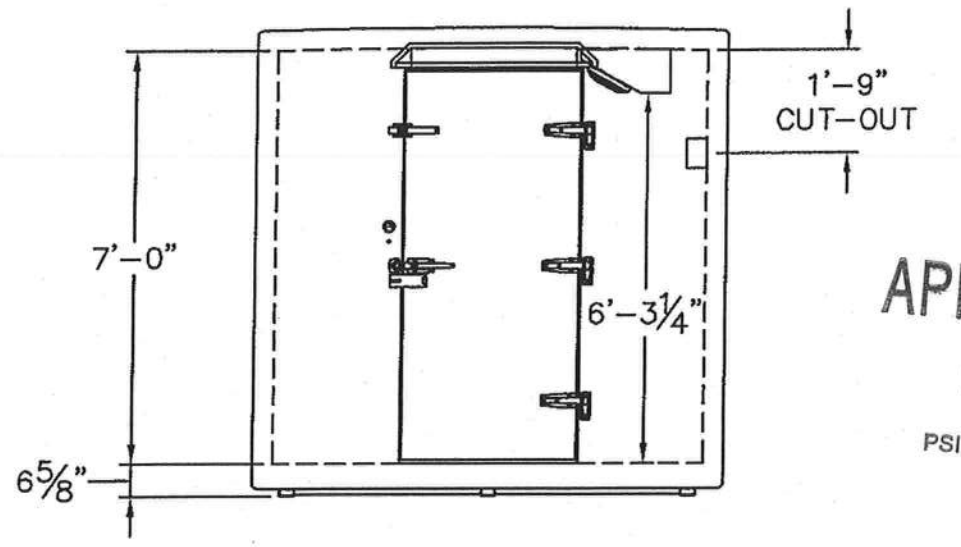
ROOM TEMP.:
35°F
INTERIOR AREA:
67 sq. ft.
INTERIOR VOLUME:
503 cu. ft.
HORSEPOWER:
1–1/4 hp.
REFRIGERANT:
R–404A
ELEC. SUPPLY
208–230/110
PHASE:
Single
CYCLE:
60 hz.
AMPERAGE:
15.0 amps.



PLAN VIEW



FRONT ELEVATION VIEW



END ELEVATION VIEW

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EXTRA HEAVY DUTY FLOOR
(3) FRAMED OPENINGS ON FRONT WALL
(2) FRAMED OPENINGS ON ROOF
3/4" PLYWOOD LAMINATED TO WHOLE ROOF
3/4" PLYWOOD LAMINATED TO WHOLE FRONT WALL
3/4" PLYWOOD LAMINATED TO 2' OF BACK WALL
FLOOR DRAIN WITH SLOPED FLOOR
(4) HURRICANE ANCHOR PLATES
(2) 110V GFCI RECEPTACLES 80" A.F.F.
FLUORESCENT LIGHT ON WALL AS SHOWN

DRAWING APPROVAL

PLEASE INDICATE YOUR APPROVAL OF THIS DESIGN, THE DIMENSIONS, DOOR LOCATION/SWING, ELECTRICAL REQUIREMENTS AND EQUIPMENT LOCATIONS BY SIGNING BELOW AND RETURNING TO POLAR KING.

DATE:	BY:

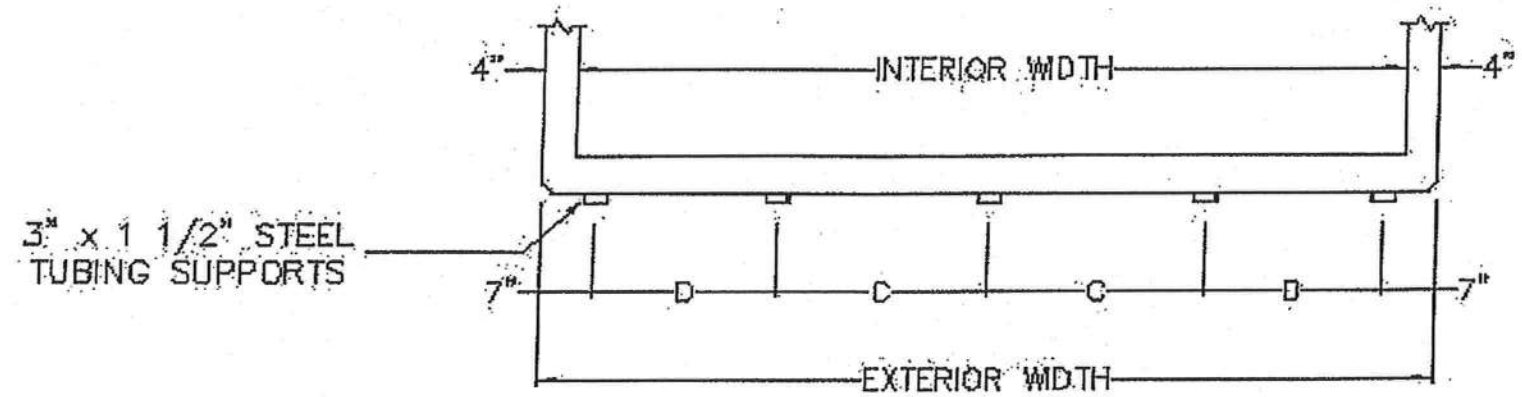
Jonathan Ward

Lake City, Florida

DRAWN BY:	MODEL NO.:	SCALE:	DATE:
MD Leppek	H810	1/4"=1'–0"	8–25–08

DRAWING NAME:
Jonathan Ward H810 Lake City FL N

Polar King
INTERNATIONAL INC.
FORT WAYNE, INDIANA 1-800-752-7178



EXTERIOR WIDTH	NUMBER OF SUPPORTS	C	D
5'-11"	3	28 1/2"	---
7'-11"	3	40 1/2"	---
9'-11"	5	28 1/2"	24"
11'-11"	5	40 1/2"	24"
13'-11"	5	40 1/2"	36"

SPECIFICATION SHEET

FRAME DETAILS

DRAWN BY:	MODEL NO.:	SCALE:	DATE:
MD Leppek	CAT-B5		3-13-01

DRAWING NAME: SPECIFICATION SHEET CAT-B5 FRAME DETAILS

Polar King INTERNATIONAL INC.

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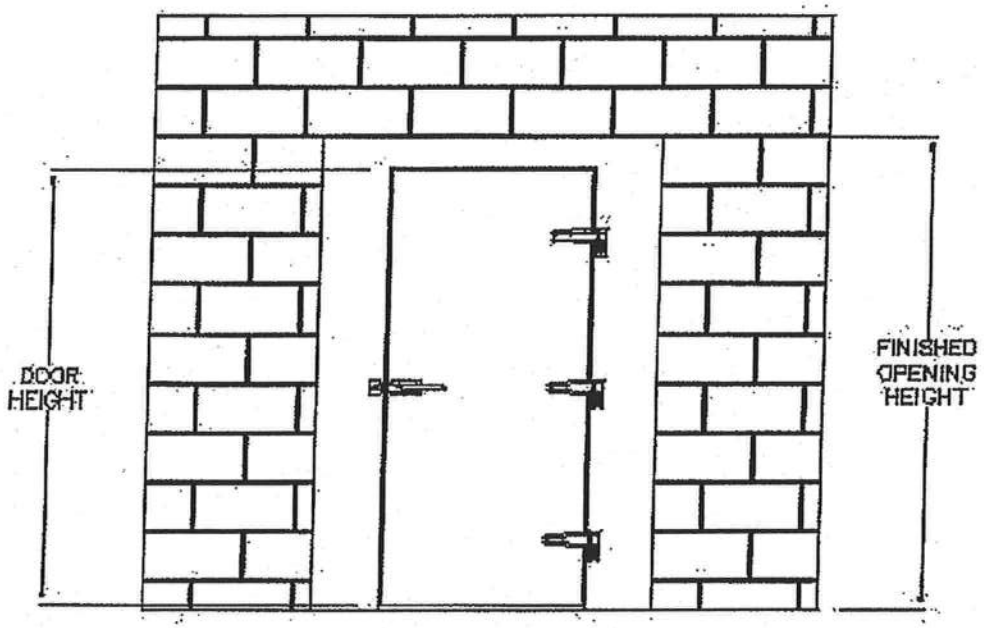
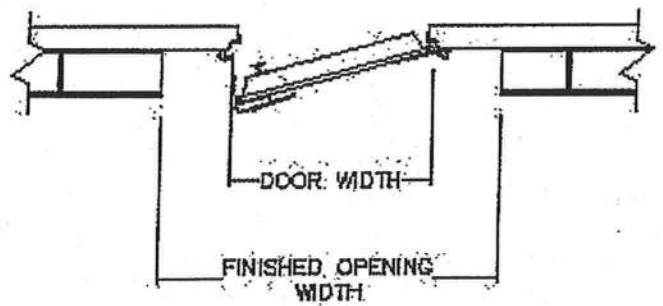


DOOR HEIGHT	FINISHED OPENING HEIGHT
24"	32"
36"	44"
72"	80"
79"	86"

(HEIGHT OF OPENING TO BE APPROXIMATELY 8" GREATER THAN DOOR HEIGHT)



DOOR WIDTH	FINISHED OPENING WIDTH
24"	48"
30"	54"
36"	60"
48"	72"

SPECIFICATION SHEET

DOOR OPENING DETAIL

DRAWN BY:	MODEL NO.:	SCALE:	DATE:
MD Leppek	CAT-B8		3-13-01

DRAWING NAME: SPECIFICATION SHEET CAT-B8 DOOR OPENING

Polar King
INTERNATIONAL INC.
FORT WAYNE, INDIANA

APPROVED BY
SEP 20 2008
PSI MODULAR DIVISION