

KEN CALLAHAN
ADDITION

COMPONENTS & CLADDING FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FT. EXPOSURE B (psf) (FBC 1606.2B)			
BASIC WIND SPEED 100 (MPH - 3 SECOND GUST)			
ZONE	AREA	PRESSURES	
4	10.0	18.0	-19.5
4	20.0	17.2	-18.7
4	50.0	16.1	-17.6
4	100.0	15.3	-16.8
5	10.0	18.0	-24.1
5	20.0	17.2	-22.5
5	50.0	16.1	-20.3
5	100.0	15.3	-18.7

PAGE	DESCRIPTION
1	ELEVATIONS
2	FLOOR PLAN
3	FOUNDATION PLAN
4	SECTIONS & DETAILS

NOTES:
-DESIGN PER FLORIDA BUILDING CODE 2004 W/ 2006 SUPPLEMENTS
-BUILDING IS ENCLOSED. INTERNAL PRESSURE COEF. = 0.18
-EXPOSURE B IMPORTANCE FACTOR = 1.00
-WIND SPEED 100 MPH
-DESIGN ROOF LL 20 PSF
-ALL LUMBER IS #2 SYP DR SPF
-CONCRETE DESIGN STRENGTH REQ'D 3000 PSI @ 28 DAYS
-HURRICANE CLIPS ARE SIMPSON STRONG TIE
-USE ALL FASTENERS REQUIRED BY MANUFACTURER
-FASTENERS USED WITH ACP PT WOOD MUST CONFORM
W/ ASTM STANDARD A153 AND HOT DIPPED GALVANIZED
CONNECTORS SHOULD CONFORM TO ASTM STANDARD A653
(CLASS G-185). OTHER FASTENERS RECOMMENDED ARE
STAINLESS STEEL AND THOSE RECOMMENDED BY THE
HARDWARE MANUFACTURER.
SOIL BEARING CAPACITY REQUIRED 2000 PSF.

NEW CONDITIONED AREA = 880 SQ. FT.

FILE COPY

REV	DESCRIPTION OF CHANGES	DATE

C.R. Caudel, P.E.
161-17 College Drive
Orange Park, Florida 32065
Phone (904) 272-5005

DRAWN BY: A CAUDEL
JOB#: 07-072

DATE 11/7/07	SCALE AS NOTED
-----------------	-------------------

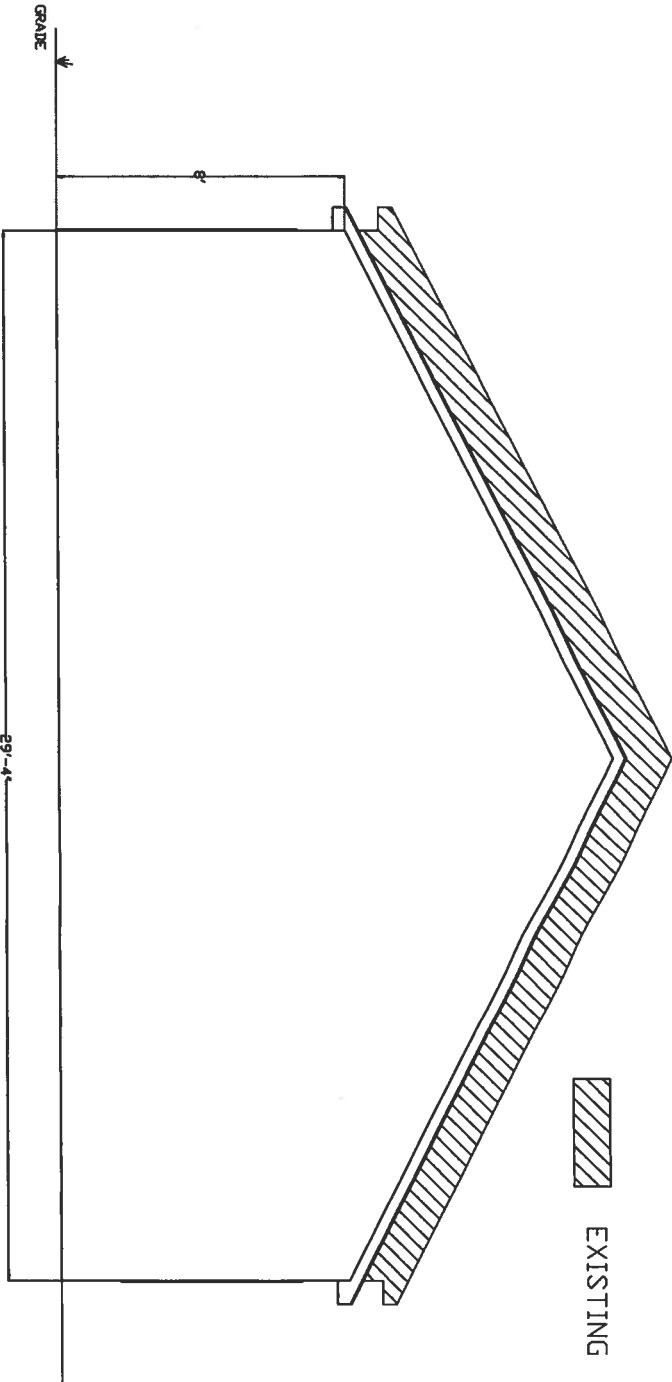
C.R. CAUDEL P.E.
REGISTERED ENGINEER
45170

KEN CALLAHAN
209 CALLAHAN RD.
LAKE CITY, FL 32024

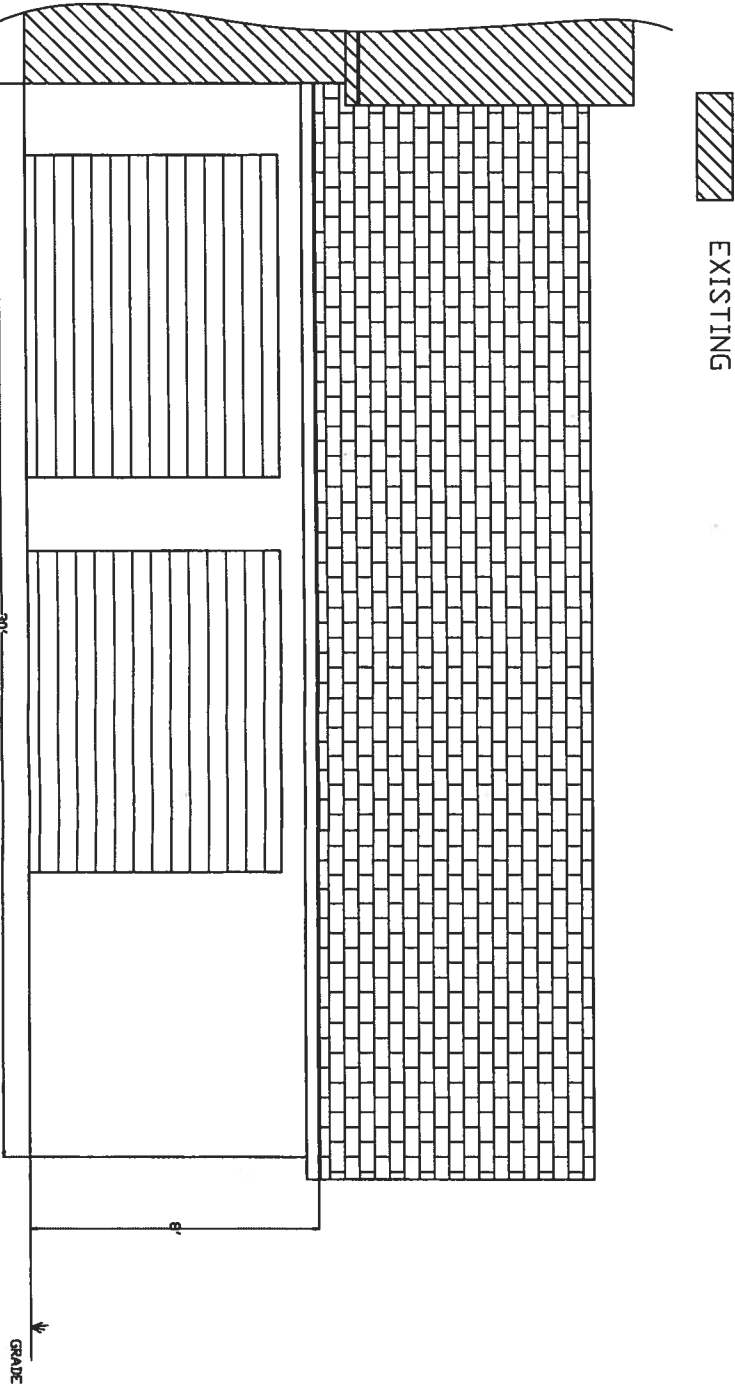
ADDITION

SHEET
COVER

REV	DESCRIPTION OF CHANGES	DATE



1 FRONT ELEVATION
3/16" = 1'-0"



1 FRONT ELEVATION
3/16" = 1'-0"

C.R. Caudel, P.E.
151-17 College Drive Orange Park, Florida 32065
Phone (904) 272-5005

DRAWN BY: A CAUDEL
JOB#: 07-072

DATE 11/7/07
SCALE 3/16" = 1'

C.R. CAUDEL P.E.
REGISTERED ENGINEER
45170

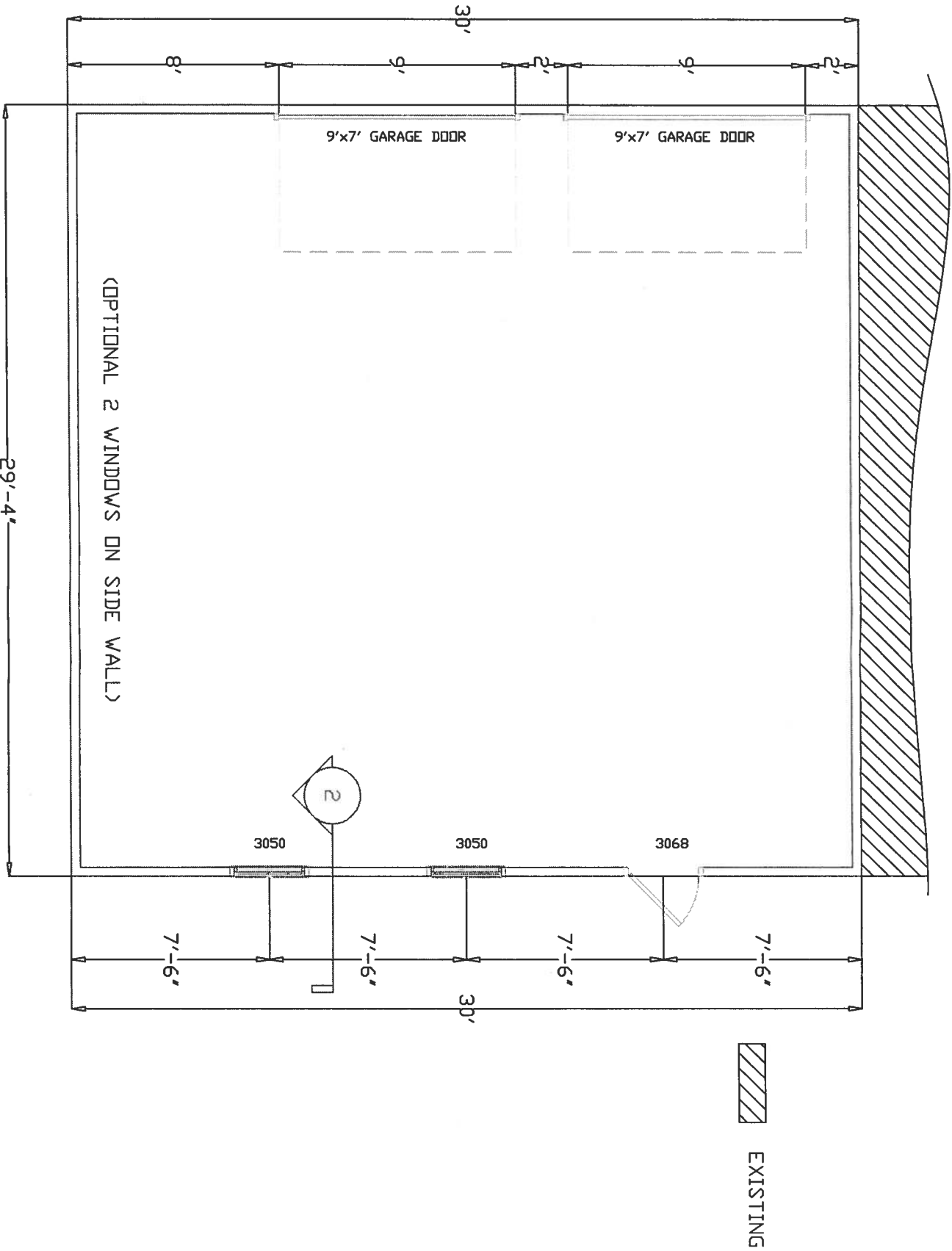
KEN CALLAHAN
209 CALLAHAN RD.
LAKE CITY, FL 32024

ADDITION

ELEVATIONS

© 2007 THIS DRAWING IS THE INSTRUMENT OF SERVICE AND PROPERTY OF C.R. CAUDEL P.E. ANY USE OR REPRODUCTION WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THIS BUSINESS IS PROHIBITED. ALL RIGHTS OF DESIGN AND INVENTION ARE EXPRESSLY RESERVED.

REV	DESCRIPTION OF CHANGES	DATE



C.R. Caudel, P.E.
151-17 College Drive
Orange Park, Florida 32065
Phone (904) 272-5005

DRAWN BY: A CAUDEL
JOB#: 07-072

DATE 11/7/07	SCALE 3/16" = 1'
-----------------	---------------------

C.R. CAUDEL P.E.
REGISTERED ENGINEER
45170

KEN CALLAHAN
209 CALLAHAN RD.
LAKE CITY, FL 32024

ADDITION

FLOOR PLAN

SHEET
2

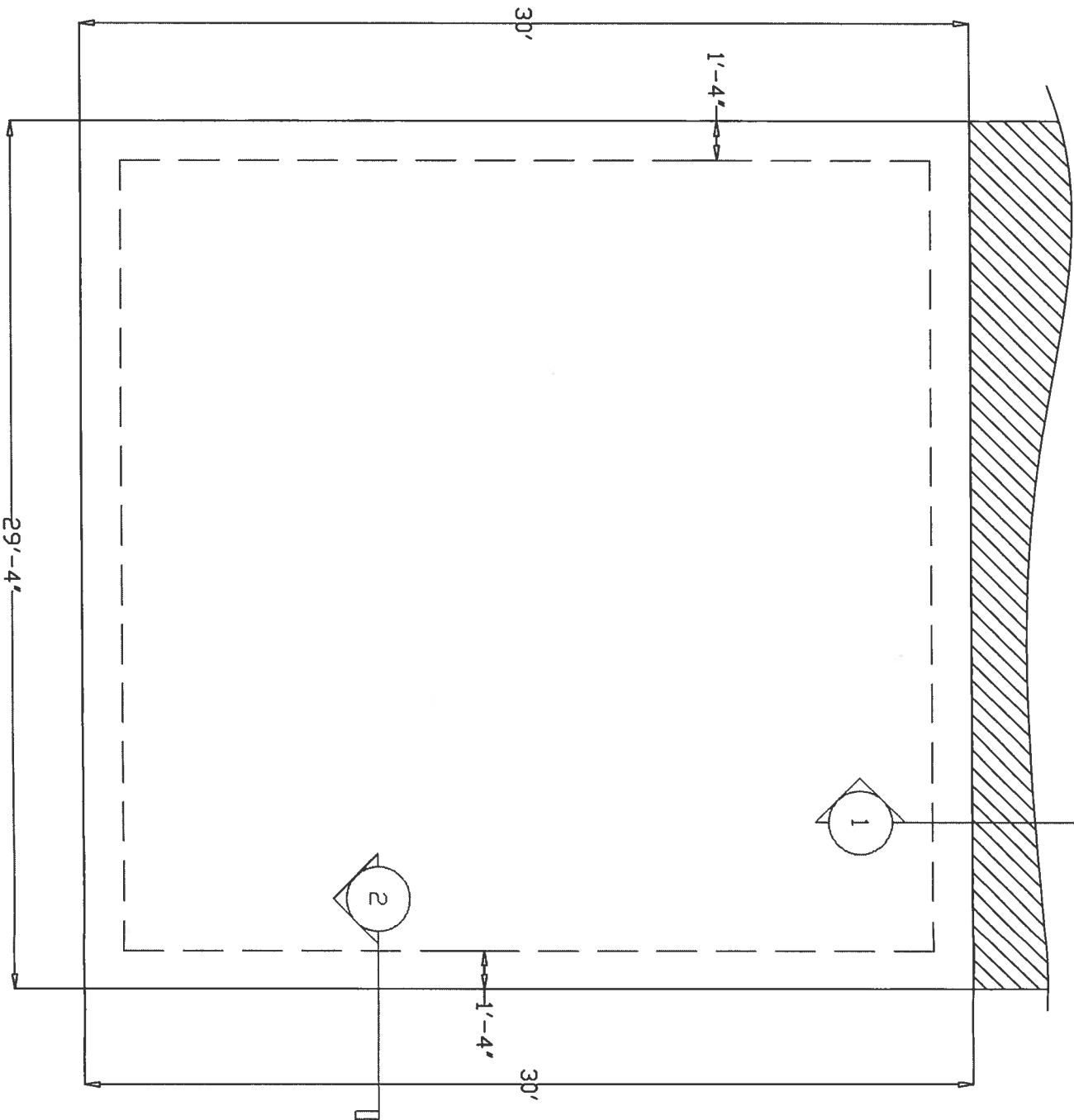
REV	DESCRIPTION OF CHANGES	DATE	DRAWN BY: A CAUDEL	DATE	SCALE	SHEET
			JOB#: 07-072	11/7/07	3/16" = 1'	3

C.R. Caudel, P.E.
151-17 College Drive
Orange Park, Florida 32065
Phone (904) 272-5005

C.R. CAUDEL, P.E.
REGISTERED ENGINEER
45170

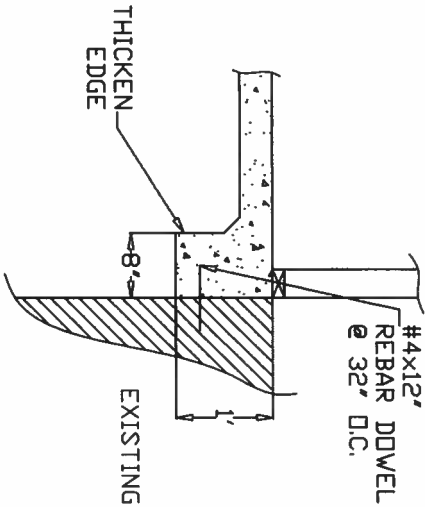
KEN CALLAHAN
209 CALLAHAN RD.
LAKE CITY, FL 32024

ADDITION

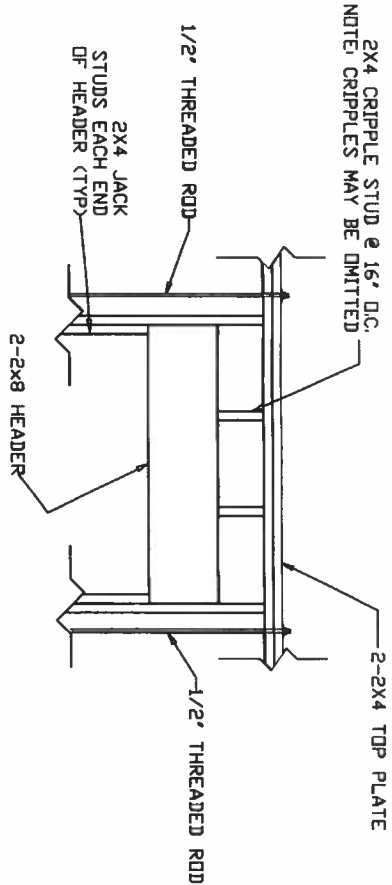


EXISTING

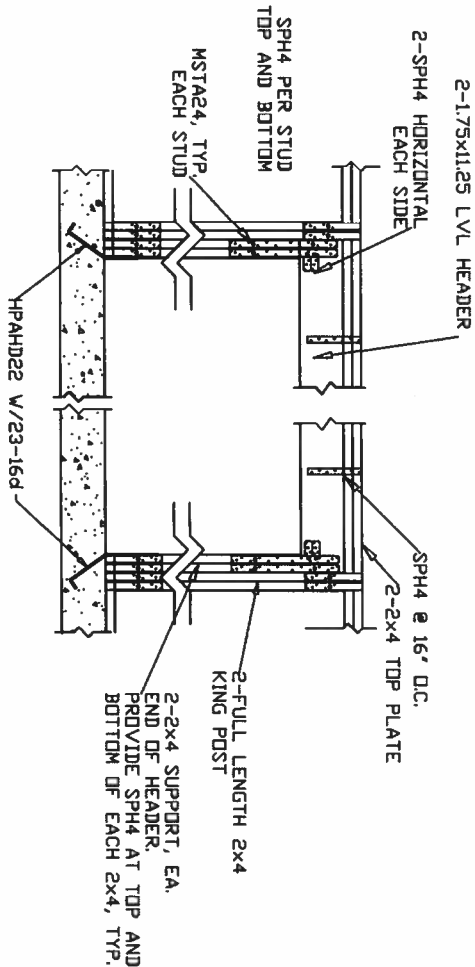
DETAIL
1
1/2" = 1'-0"



FOUNDATION PLAN



DOOR & WINDOW HEADER
3/8" = 1'-0"

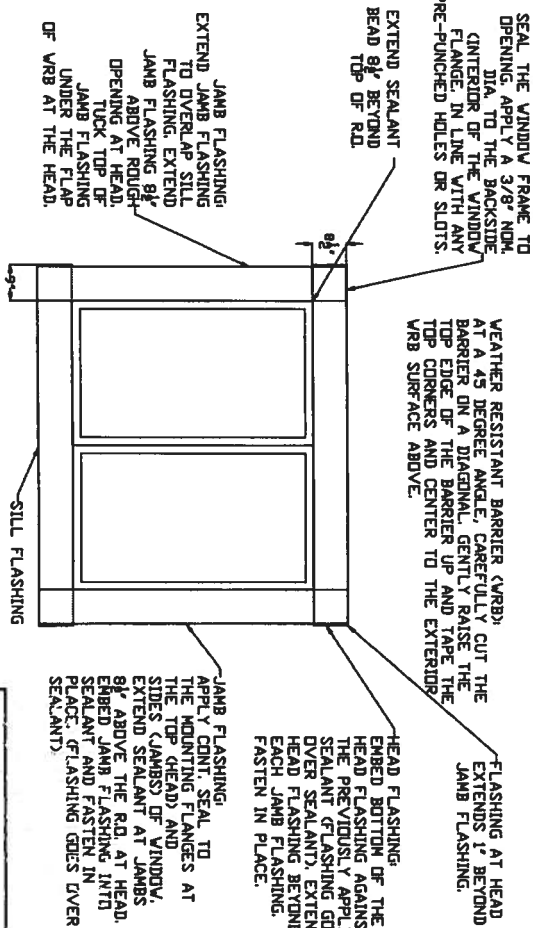


GARAGE DOOR HEADER DETAIL
3/8" = 1'-0"

WINDOW FLASHING DETAIL
1/4" = 1'-0"

STEPS:

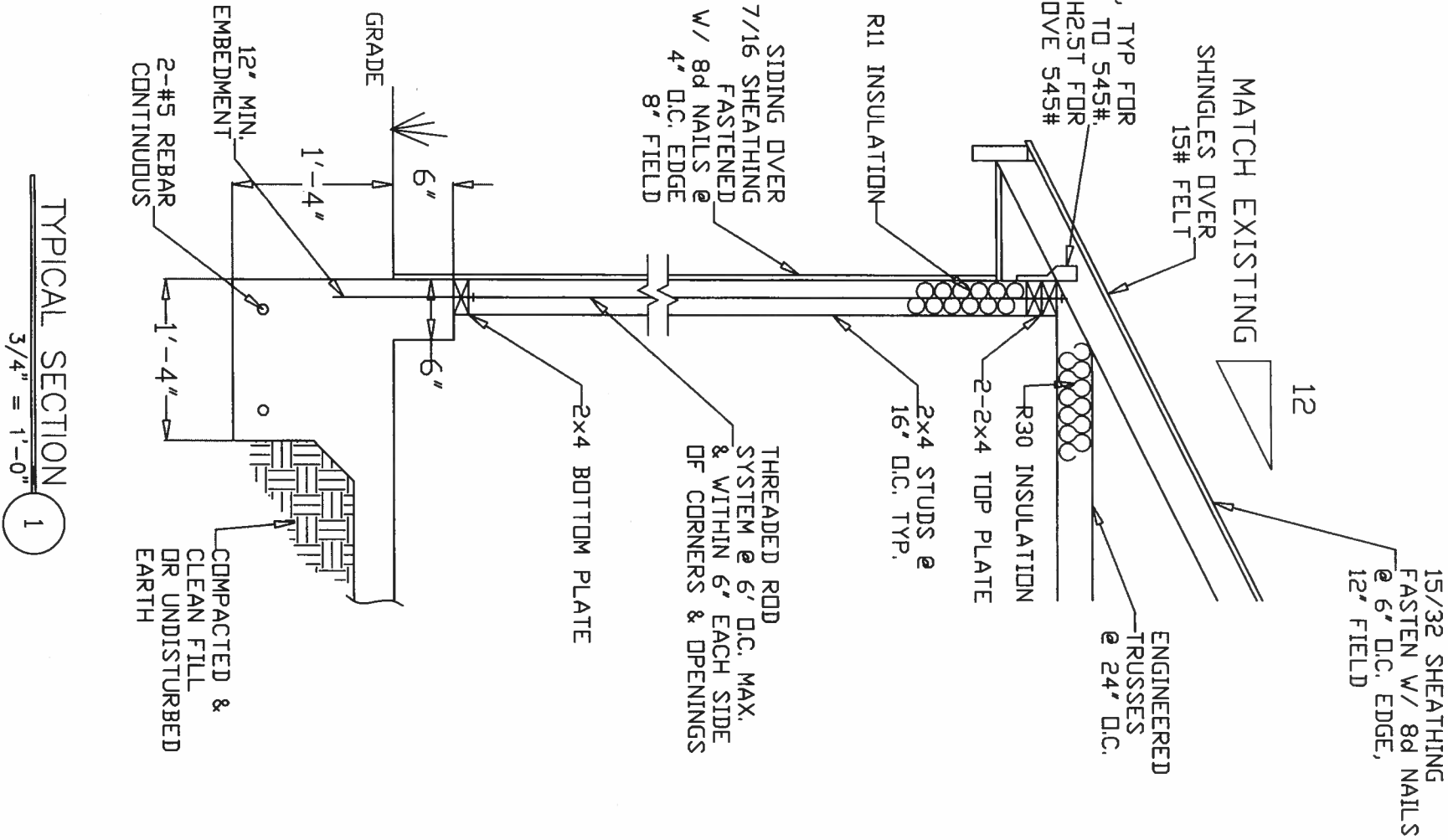
1. IN WATER SHEDDING FASHION, STARTING AT THE BASE OF THE WALL, AND WORKING TOWARDS THE TOP, INSTALL THE WRB TO THE FACE OF THE SHEATHING.
2. APPLY SILL FLASHING.
3. APPLY BEAD OF SEALANT AT BACK OF WINDOW FLANGE AND SET WINDOW USING PAN HEAD SCREWS TO FACILITATE INSPECTION.
4. APPLY BEAD OF SEALANT AT SIDE JAMBS. EXTEND 8".
5. APPLY JAMB FLASHING.
6. APPLY BEAD OF SEALANT AT HEAD.
7. APPLY HEAD FLASHING.
8. REMOVE PREVIOUSLY APPLIED TAPE, ALLOWING WRB TO LAY FLAT OVER HEAD FLASHING. APPLY NEW SHEATHING TAPE OVER DIAGONAL CUT.



APPLY CONT. SEAL TO THE MOUNTING FLANGES AT THE TOP AND SIDES (OPPOSITE OF WINDOW) EXTEND SEALANT AT JAMBS 8" ABOVE THE ROD. AT HEAD, EMBED JAMB FLASHING INTO SEALANT AND FASTEN IN PLACE. FLASHING GOES OVER SEALANT.

FLASHING AT HEAD EXTENDS 1" BEYOND JAMB FLASHING.

HEAD FLASHING: EMBED BOTTOM OF THE HEAD FLASHING AGAINST THE PREVIOUSLY APPLIED SEALANT. FLASHING GOES OVER SEALANT. EXTEND EACH JAMB FLASHING. FASTEN IN PLACE.



TYPICAL SECTION 1

3/4" = 1'-0"

REV	DESCRIPTION OF CHANGES	DATE

C.R. Caudel, P.E.
161-17 College Drive
Orange Park, Florida 32065
Phone (904) 272-5005

DRAWN BY: A CAUDEL
JOB#: 07-072

DATE: 11/7/07
SCALE: AS NOTED

C.R. CAUDEL, P.E.
REGISTERED ENGINEER
45170

KEN CALLAHAN
ADDITION

COMPONENTS & CLADDING FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FT. EXPOSURE B (psf) (FBC 1609.6B)		
BASIC WIND SPEED 110 (MPH - 3 SECOND GUST)		
ZONE	AREA	PRESSURES
INTERIOR 4	10.0	21.8 -23.6
4	20.0	20.9 -22.6
4	50.0	19.5 -21.3
4	100.0	18.5 -20.4
3	10.0	21.8 -23.6
3	20.0	20.9 -22.6
3	50.0	19.5 -21.3
3	100.0	18.5 -20.4
GARAGE DOOR WIND LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FT. EXPOSURE B (psf) (FBC 1609.6E)		
BASIC WIND SPEED 110 (MPH - 3 SECOND GUST)		
WIDTH	HEIGHT	PRESSURES
ROOF ANGLE 0-10 DEGREES		
8	8	17.5 -19.9
10	10	17.0 -19.0
14	14	16.1 -17.9
ROOF ANGLE 10 DEGREES		
16	7	18.1 -21.5
16	7	18.3 -20.4

PAGE	DESCRIPTION
1	ELEVATIONS
2	FLOOR PLAN
3	FOUNDATION PLAN
4	SECTIONS & DETAILS

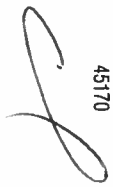
NOTES:
-DESIGN PER FLORIDA BUILDING CODE 2004 W/ 2006 SUPPLEMENTS
-BUILDING IS ENCLOSED. INTERNAL PRESSURE COEF. = 0.18
-EXPOSURE B IMPORTANCE FACTOR = 1.00
-WIND SPEED 110 MPH
-DESIGN ROOF LL 20 PSF
-ALL LUMBER IS #2 SYP OR SPF
-CONCRETE DESIGN STRENGTH REQ'D 3000 PSI @ 28 DAYS
-HURRICANE CLIPS ARE SIMPSON STRONG TIE
-USE ALL FASTENERS REQUIRED BY MANUFACTURER
-FASTENERS USED WITH ACP PT WOOD MUST CONFORM
V./ ASTM STANDARD A153 AND HOT DIPPED GALVANIZED
CONNECTORS SHOULD CONFORM TO ASTM STANDARD A653
(CLASS G-185). OTHER FASTENERS RECOMMENDED ARE
STAINLESS STEEL AND THOSE RECOMMENDED BY THE
HARDWARE MANUFACTURER.
SOIL BEARING CAPACITY REQUIRED 1500 PSF.

NEW CONDITIONED AREA = 880 SQ. FT.

REV	DESCRIPTION OF CHANGES	DATE
1	REVISED WIND SPEED AND SOIL PRESS	11/28/07

C.R. Caudel, P.E. 45170 151-17 College Drive Orange Park, Florida 32065 Phone (904) 272-5005			DRAWN BY: A CAUDEL	DATE 11/7/07	SCALE AS NOTED	SHEET COVER
JOB#: 07-072			KEN CALLAHAN 209 CALLAHAN RD. LAKE CITY, FL 32024			

C.R. CAUDEL P.E.
REGISTERED ENGINEER
45170



BOUNDARY SURVEY
IN SECTION 15,
TOWNSHIP 4 SOUTH,
RANGE 16 EAST.
COLUMBIA COUNTY, FLA.

DESCRIPTION: COMMENCE AT THE NORTHEAST CORNER OF SECTION 15, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, THENCE RUN S.87°56'20"W., ALONG THE NORTH LINE OF SAID SECTION 15, A DISTANCE OF 718.77 FEET, TO A CONCRETE MONUMENT LS 4303, MARKING THE NORTHEAST CORNER OF LANDS DESCRIBED IN OFFICIAL RECORDS BOOK (ORB) 945, PAGE 1800, OF THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA, THENCE S.02°01'56"E., ALONG THE EAST LINE OF SAID ORB 945, PAGE 1800, A DISTANCE OF 125.08 FEET, TO A 5/8" IRON ROD, LS 4708, AND THE POINT OF BEGINNING; THENCE CONTINUE S.02°01'56"E., A DISTANCE OF 43.86 FEET TO A 5/8" IRON ROD, LS 4708; THENCE S.89°35'55"W., A DISTANCE OF 408.90 FEET TO A 5/8" IRON ROD, LS 4708; THENCE N.00°48'24"E., A DISTANCE OF 32.09 FEET, TO A 5/8" IRON ROD, LS 4708; THENCE N.87°56'34"E., A DISTANCE OF 407.14 FEET TO THE POINT OF BEGINNING. CONTAINS 0.36 ACRES, MORE OR LESS.

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF DEED OF RECORD.
2. RETRACEMENTS BASED ON DEED OF RECORD USING MONUMENTS FOUND ON THE NORTH LINE OF SECTION 15.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED JANUARY 6, 1988, COMMUNITY PANEL NO. 120020.0175-B.
4. NO EASEMENT FOR UTILITY AND/OR DRAINAGE IS SHOWN ON THIS LOT IN RECORDS IN THE POSSESSION OF THIS OFFICE.
5. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
6. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
7. "NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
8. CLOSURE OF FIELD SURVEY IS 1/7.521.
9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE EXCEPTION IS MADE HEREON REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, AND/OR TITLE CONFLICTS OF RECORD, IF ANY, NOT PROVIDED BY THE CLIENT OR HIS AGENTS.
10. CERTIFIED TO: KENNETH AND CONNIE CALLAHAN

MARK D. DUREN, P.S.M.
LS 4708

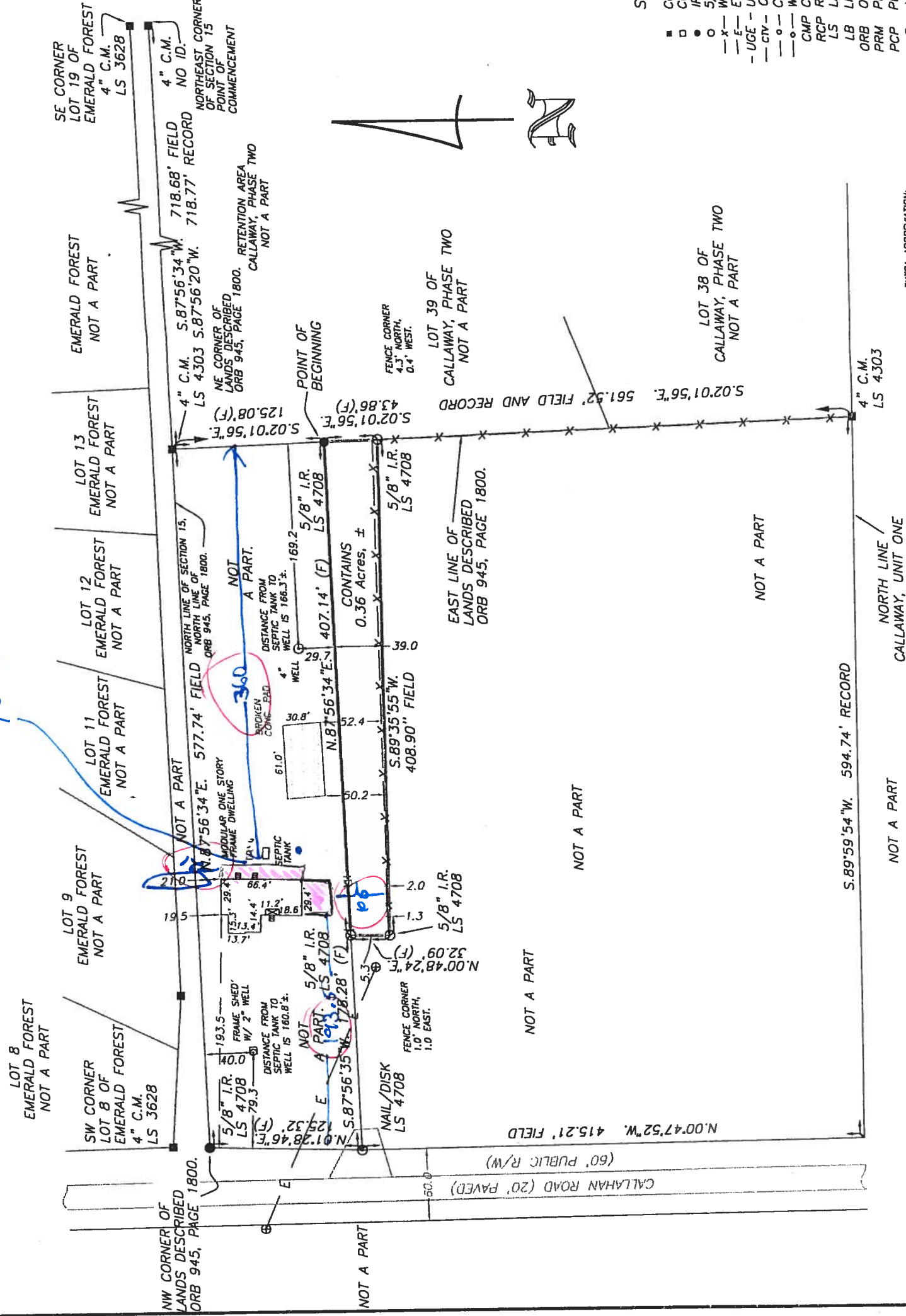
1604 SW SISTERS WELCOME ROAD
LAKE CITY, FLA. 32025
(386) 758-9831 OFFICE
(386) 758-8010 FAX

FIELD SURVEY DATE: APRIL 12, 2007
DATE DRAWN: APRIL 19, 2007
FOR: CALLAHAN
FIELD BOOK: 174, PAGE 19
DRAWN BY: M. DUREN/P. DYAL/A. DYAL
WO# 07-228
PREP: 06-464

SYMBOL LEGEND

- CONCRETE MONUMENT FOUND
 - CONCRETE MONUMENT SET, LS 4708
 - IRON PIN OR PIPE FOUND
 - 5/8" IRON ROD SET, LS 4708
 - WIRE FENCE
 - ELECTRIC UTILITY LINE (OVERHEAD)
 - UNDERGROUND ELECTRIC SERVICE
 - CABLE TV LINE (OVERHEAD)
 - CHAIN LINK FENCE
 - WOODEN FENCE
 - CMP CORRUGATED METAL PIPE
 - RCP REINFORCED CONCRETE PIPE
 - LS LAND SURVEYOR
 - LB LICENSED BUSINESS
 - ORB OFFICIAL RECORD BOOK
 - PRM PERMANENT REFERENCE MONUMENT
 - PCP PERMANENT CONTROL POINT
 - UTILITY POLE
 - R/W RIGHT-OF-WAY
 - NO IDENTIFICATION
 - FLA. DEPT. OF TRANSPORTATION
 - CENTERLINE
 - CONCRETE MONUMENT
 - IRON ROD
 - IRON PIPE
- EXTRA ABBREVIATION:
(F) FIELD AS IN "FIELD MEASUREMENT"
(D) DEED AS IN "DEED DIMENSION"
(P) PLAT AS IN "PLAT DIMENSION"
(R) RECORD AS IN "RECORD DIMENSION"

7-5 from Sept 08



SIGNED: *[Signature]*
MARK D. DUREN, LS 4708