

DATE 04/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024337

APPLICANT ROSEMARY LEE PHONE 754-5558

ADDRESS 158 SW MONUMENT LANE FT. WHITE FL 32038

OWNER DANIEL S. & ROSEMARY C. LEE PHONE 754-5558

ADDRESS 158 SW MONUMENT LANE FT. WHITE FL 32038

CONTRACTOR RONNIE NORRIS PHONE 386.752.3871

LOCATION OF PROPERTY 47-S TO US 27 TO WILSON SPRINGS RD,TL TO POPE'S ONTO WILSON SPRINGS RD,TL TO MEMORIAL,TR PAST BOAT RAMP ON L.CLEARED LOT

TYPE DEVELOPMENT M/H/UTILITY ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES

FOUNDATION WALLS ROOF PITCH FLOOR

LAND USE & ZONING ESA-2 MAX. HEIGHT

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE AE DEVELOPMENT PERMIT NO. 06-011

PARCEL ID 01-7S-15-04149-304 SUBDIVISION WILSON SPRINGS COMMUNITY

LOT 4 BLOCK 3 PHASE 1-B UNIT TOTAL ACRES 0.36

IH0000049

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

EXISTING 05-0308-N BLK JTH

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: SRWMD.ERP ATTACHED.W/ZERO RISE. REPLACING EXISTING CUBIC WITH M/H. NO INCREASE IN NON-CONFORMING SECTION 2.3.3. FINISHED ELEVATION CERT.

REQUIRED BEFORE POWER. MFE @ 36'. REPLACING SFD W/M/H. CHARGED. Check # or Cash 206

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic

Under slab rough-in plumbing Slab Sheathing/Nailing

Framing Rough-in plumbing above slab and below wood floor

Electrical rough-in Heat & Air Duct Peri. beam (Lintel)

Permanent power C.O. Final Culvert

M/H tie downs, blocking, electricity and plumbing Pool

Reconnection Pump pole Utility Pole

M/H Pole Travel Trailer Re-roof

BUILDING PERMIT FEE \$ 0.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00

MISC. FEES \$ 200.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$

FLOOD DEVELOPMENT FEE \$ 50.00 FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 300.00

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

PERMIT APPLICATION / MANUFACTURED HOME INSTALLATION APPLICATION

For Office Use Only (Revised 6-23-05) Zoning Official BLK03.04-06 Building Official OK JTH 4-4-06
 AP# 060402 Date Received 9/3 By SW Permit # 24337
 Flood Zone AE Development Permit YES Zoning ESA-2 Land Use Plan Map Category ESA
 Comments (SWAMP EAP) - ZERO RISE ATTACHED
By Replacing existing Cabin with MH no increase in non-conformity Section 2.3.3.
* Finished Floor Elevation Certification Required
 FEMA Map# 0255B Elevation 35 Finished Floor 36 River Santa Fe In Floodway YES
☒ Site Plan with Setbacks Shown ☒ ESH Signed Site Plan ☒ ESH Release ☐ Well letter ☒ Existing well
☒ Copy of Recorded Deed or Affidavit from land owner ☒ Letter of Authorization from Installer

- LOT 4 BLK 3 Phase 1-B Wilson Springs Community
- Property ID # 01-7515-04149-304 Must have a copy of the property deed
 - New Mobile Home ☒ Used Mobile Home _____ Year 2006
 - Applicant ROSEMARY LEE Phone # 386.754.5558
 - Address 145 SW MONROCK CRT, LAKE CITY FL 3202F
 - Name of Property Owner ROSEMARY LEE Phone# 386.759.5568
 - 911 Address 158 SW MONUMENT LN, LAKE CITY, FL 32038
 - Circle the correct power company - FL Power & Light - Clay Electric
 (Circle One) - Suwannee Valley Electric - Progress Energy
 - Name of Owner of Mobile Home STEVE & ROSEMARY LEE Phone # 386.754.5558
 Address 158 SW MONUMENT LN, LAKE CITY, FL 32038
 - Relationship to Property Owner OWNER
 - Current Number of Dwellings on Property 0
 - Lot Size _____ Total Acreage 0.36
 - Do you : Have an Existing Drive or need a Culvert Permit or a Culvert Waiver (Circle one)
 - Is this Mobile Home Replacing an Existing Mobile Home YES (SFO BACK)
 - Driving Directions to the Property 475 to Ft. White Cross Hwy 27 - left on Wilson Spgs. Rd - to Poe's Grocery Store. left on Wilson Spgs Rd to Memorial St. Right on Memorial St. past the Boat Ramp on your left Continue on to Cleared lot - Blue Shed on lot -
 - Name of Licensed Dealer/Installer RONNIE NORRIS Phone # 386.752.3871
 - Installers Address 1004 SW CHARLES DEAN BLVD, LAKE CITY, FL 32041
 - License Number 2H0000049 Installation Decal # 266860

- CH# 202.

24437

LETTER OF AUTHORIZATION TO PULL PERMITS

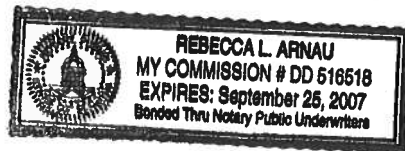
I, RONNIE NORRIS, DO HEREBY GRANT
ROSEMARY LEE, AUTHORIZATION TO PULL THE NECESSARY
PERMITS REQUIRED FOR THE DELIVERY AND SET OF A MANUFACTURED
HOME IN COLUMBIA COUNTY, FLORIDA.

[Signature]
Signature

THIS FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS
21 DAY OF March, 2006, BY _____
Ronnie Norris, WHO IS PERSONALLY KNOWN TO ME.

STATE OF FLORIDA
COUNTY OF Columbia

Rebecca L. Arnau
NOTARY PUBLIC



(STAMP)

Columbia County Property Appraiser

DB Last Updated: 3/7/2006

Parcel: 01-7S-15-04149-304

2006 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 3

Next >>

Owner's Name	LEE DANIEL S & ROSEMARY C
Site Address	P1439-104
Mailing Address	145 SW HANCOCK CT LAKE CITY, FL 32024
Brief Legal	LOT 4 BLOCK 3 WILSON SPRINGS COMMUNITY PHASE 1-B DESC AS: COMM AT NE COR OF SE1/4 OF SEC

Use Desc. (code)	MISC RES (000700)
Neighborhood	6716.04
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	0.360 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$8,500.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$8,500.00

Just Value	\$8,500.00
Class Value	\$0.00
Assessed Value	\$8,500.00
Exempt Value	\$0.00
Total Taxable Value	\$8,500.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
6/15/2005	1049/2618	WD	V	Q		\$9,500.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

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
000700	MISC RES (MKT)	1.000 LT - (.360AC)	1.00/1.00/1.00/1.00	\$8,500.00	\$8,500.00

Columbia County Property Appraiser

DB Last Updated: 3/7/2006

1 of 3

Next >>

#23451

Disclaimer

AFFIDAVIT

I certify that the following described mobile home being placed on the referenced parcel is not a Wind Zone 1 mobile home.

Customer's Name: ROSEMAN 66
Property ID: Sec: 01 Twp: 75 Rge: 15 Tax Parcel No: 04149-304
Lot: 4 Block: 3 Subdivision: WILSON SPRINGS COMMUNITY
Mobile Home Year/Make: 2006 Size: 28x46

Roseman
Signature of Mobile Home Installer

Sworn to and subscribed before me this 21 day of MARCH, 2006
by BONNIE NORRIS



Notary's name printed/typed

Rebecca L Arnaud
Notary Public, State of Florida
Commission No. DD 516518
Personally Known: ✓
Produced ID (type) _____

PERMIT NUMBER

Address of home being installed

License #

Manufacturer

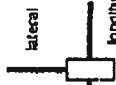
Length x width

NOTE: if home is a single wide fill out one half of the blocking plan if home is a triple or quad wide sketch in remainder of home

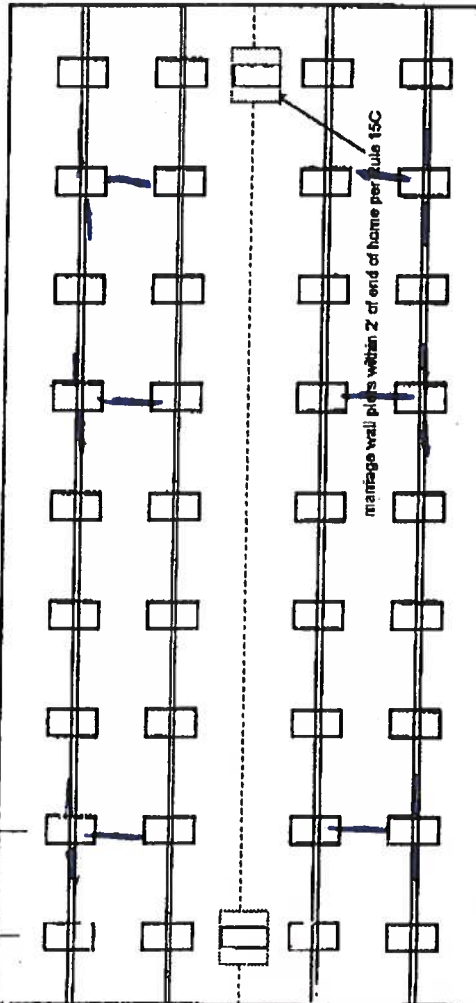
Understand Lateral Arm Systems cannot be used on any home (new or used) where the sidewall ties exceed 5 ft 4 in.

Installer's initials

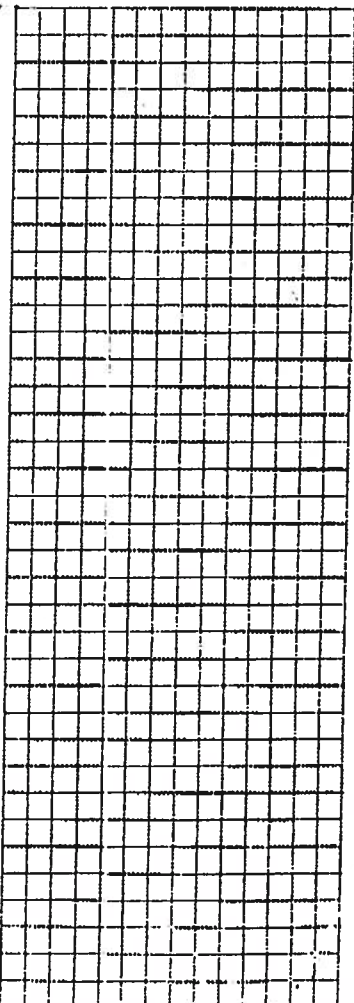
Typical pier spacing



Show locations of Longitudinal and Lateral Systems (use dark lines to show these locations)



marriage wall piers within 2' of end of home per Rule 15C



New Home ☒ Used Home ☐

Home installed to the Manufacturer's Installation Manual ☐

Home is installed in accordance with Rule 15-C ☐

Single wide ☐ Wind Zone II ☒ Wind Zone III ☐

Double wide ☒ Installation Decal # 266860

Triple/Quad ☐ Serial # _____

PIER SPACING TABLE FOR USED HOMES

Load bearing capacity	Footer size (sq in)	16" x 16" (256)	18 1/2" x 18 1/2" (342)	20" x 20" (400)	22" x 22" (484)	24" x 24" (576)	26" x 26" (676)
1000 psf	3'	4'	5'	6'	7'	8'	8'
1500 psf	4'	5'	6'	7'	8'	8'	8'
2000 psf	6'	8'	8'	8'	8'	8'	8'
2500 psf	7'	8'	8'	8'	8'	8'	8'
3000 psf	8'	8'	8'	8'	8'	8'	8'
3500 psf	8'	8'	8'	8'	8'	8'	8'

* Interpolated from Rule 15C-1 pier spacing table.

PIER PAD SIZES

i-beam pier pad size 17x22

Perimeter pier pad size 16x16

Other pier pad sizes (required by the mfg.) 16x16

Draw the approximate locations of marriage wall openings 4 foot or greater. Use this symbol to show the piers.

List all marriage wall openings greater than 4 foot and their pier pad sizes below.

Opening 8 Pier pad size 17x22

4 16x16

4 16x16

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD) Manufacturer _____

Longitudinal Stabilizing Device w/ Lateral Arms Manufacturer _____

ANCHORS

4 ft 4 5 ft

FRAME TIES

within 2' of end of home spaced at 5' 4" oc

OTHER TIES

Number 32

Sidewall _____

Longitudinal _____

Marriage wall _____

Shearwall _____

PERMIT NUMBER

POCKET PENETROMETER TEST

The pocket penetrometer tests are rounded down to 1500 psi without testing.

x 150 x 150 x 150

POCKET PENETROMETER TESTING METHOD

1. Test the perimeter of the home at 6 locations.
2. Take the reading at the depth of the footer.
3. Using 500 lb. increments, take the lowest reading and round down to that increment.

x 160 x 160 x 150

TORQUE PROBE TEST

The results of the torque probe test is 285 inch pounds or check here if you are declaring 5' anchors without testing 4. A test showing 275 inch pounds or less will require 4 foot anchors.

Note: A state approved lateral arm system is being used and 4 ft. anchors are allowed at the sidewall locations. I understand 5 ft anchors are required at all centerline tie points where the torque test reading is 275 or less and where the mobile home manufacturer may requires anchors with 4000 lb. holding capacity.

Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name

Date Tested

Electrical

Connect electrical conductors between multi-wide units, but not to the main power source. This includes the bonding wire between multi-wide units. Pg. _____

Plumbing

Connect all sewer drains to an existing sewer tap or septic tank. Pg. _____

Connect all potable water supply piping to an existing water meter, water tap, or other independent water supply systems. Pg. _____

Site Preparation

Debris and organic material removed ☒
Water drainage: Natural ☒ Swale ☐ Pad ☐ Other ☐

Fastening multi wide units

Floor: Type Fastener: 1/4" Length: 6" Spacing: 24"
Walls: Type Fastener: 1/4" Length: 6" Spacing: 24"
Roof: Type Fastener: 3/4" Length: 6" Spacing: 24"
For used homes a min. 30 gauge, 8" wide, galvanized metal strip will be centered over the peak of the roof and fastened with galv. roofing nails at 2" on center on both sides of the centerline.

Gasket (weatherproofing requirement)

I understand a properly installed gasket is a requirement of all new and used homes and that condensation, mold, mildew and buckled marriage walls are a result of a poorly installed or no gasket being installed. I understand a strip of tape will not serve as a gasket.

Installer's initials

Type gasket Pg. _____

Installed:

Between Floors Yes ☒
Between Walls Yes ☒
Bottom of ridgebeam Yes ☒

Weatherproofing

The bottomboard will be repaired and/or taped. Yes ☐ Pg. _____
Siding on units is installed to manufacturer's specifications. Yes ☐
Fireplace chimney installed so as not to allow intrusion of rain water. Yes ☐

Miscellaneous

Skirting to be installed. Yes ☐ No ☒
Dryer vent installed outside of skirting. Yes ☐ N/A ☒
Range downflow vent installed outside of skirting. Yes ☐ N/A ☒
Drain lines supported at 4 foot intervals. Yes ☐
Electrical crossovers protected. Yes ☐
Other: _____

Installer verifies all information given with this permit worksheet is accurate and true based on the manufacturer's installation instructions and or Rule 15C-1 & 2

Installer Signature

Date

David Lunde 3-20-06

MOBILE HOME INSTALLER AFFIDAVIT

As per Florida Statutes Section 320.8249 Mobile Home Installers License:

Any person who engages in mobile home installation shall obtain a mobile home installer's license from the Bureau of Mobile Home and Recreational Vehicle Construction of the Department of Highway Safety and Motor Vehicles pursuant to this section. Said license shall be renewed annually, and each licensee shall pay a fee of \$150.

I, Ronnie Norris, license number IH 00000649
Please Print
do hereby state that the installation of the manufactured home for Rosemary Lee
Applicant
at 158 SW Monument Ln, Ft White, FL 32058
911 Address
will be done under my supervision.

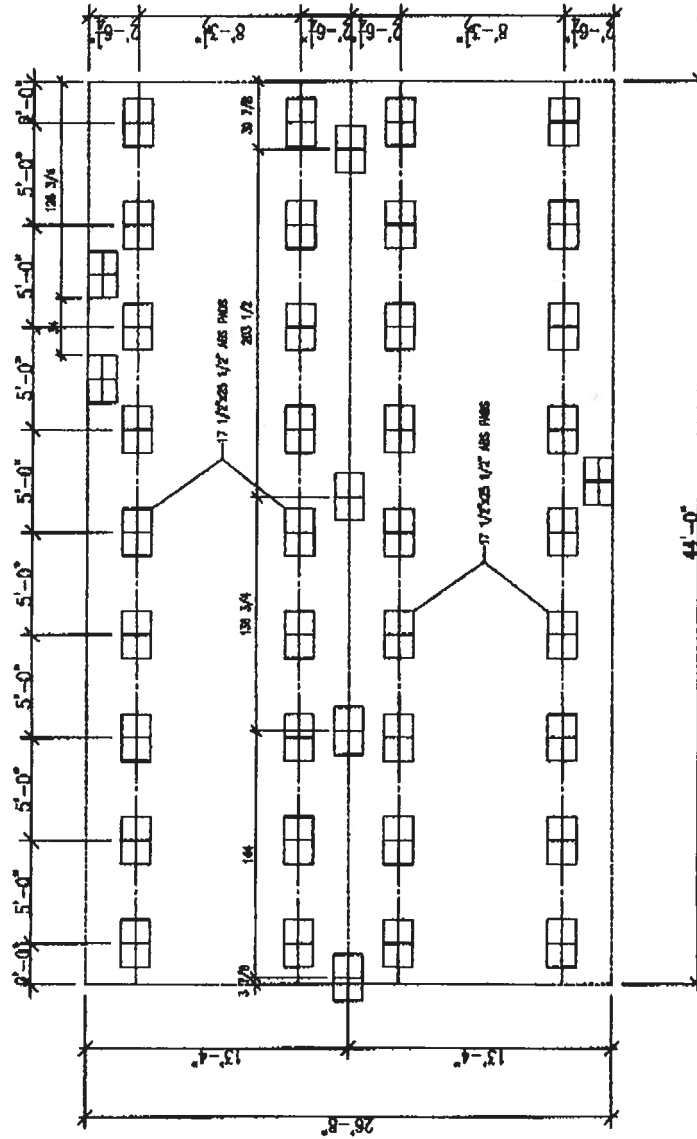
[Signature]
Signature

Sworn to and subscribed before me this 21 day of March,
2006.

Notary Public: Rebecca L. Arnau
Signature

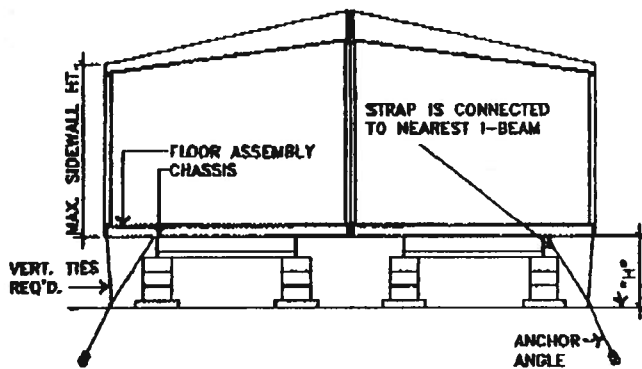
My Commission Expires: _____





MINIMUM SPAN BETWEEN PIERS UNDER 1-BEAMS (FEET)				MAXIMUM CLEAR SPAN FOR MATCHING LIKE SUPPORTS (FEET)				MAX. LOAD FOR MAX. LOAD FOR MAX. LOAD FOR			
PIER SIZE	PIER AREA (SQ. FT.)	PIER WIDTH (IN.)	PIER DEPTH (IN.)	PIER SIZE	PIER AREA (SQ. FT.)	PIER WIDTH (IN.)	PIER DEPTH (IN.)	1000 PSF	1500 PSF	2000 PSF	
18"X18"	3.24	18	18	18"X18"	3.24	18	18	2,000	3,000	4,000	
24"X24"	5.76	24	24	24"X24"	5.76	24	24	3,000	4,500	6,000	
30"X30"	9.00	30	30	30"X30"	9.00	30	30	4,000	6,000	8,000	
36"X36"	12.96	36	36	36"X36"	12.96	36	36	5,000	7,500	10,000	
42"X42"	17.64	42	42	42"X42"	17.64	42	42	6,000	9,000	12,000	
48"X48"	23.04	48	48	48"X48"	23.04	48	48	7,000	10,500	14,000	
54"X54"	29.16	54	54	54"X54"	29.16	54	54	8,000	12,000	16,000	
60"X60"	36.00	60	60	60"X60"	36.00	60	60	9,000	13,500	18,000	
66"X66"	43.56	66	66	66"X66"	43.56	66	66	10,000	15,000	20,000	
72"X72"	51.84	72	72	72"X72"	51.84	72	72	11,000	16,500	22,000	
78"X78"	60.84	78	78	78"X78"	60.84	78	78	12,000	18,000	24,000	
84"X84"	70.56	84	84	84"X84"	70.56	84	84	13,000	19,500	26,000	
90"X90"	81.00	90	90	90"X90"	81.00	90	90	14,000	21,000	28,000	
96"X96"	92.16	96	96	96"X96"	92.16	96	96	15,000	22,500	30,000	
102"X102"	104.04	102	102	102"X102"	104.04	102	102	16,000	24,000	32,000	
108"X108"	116.64	108	108	108"X108"	116.64	108	108	17,000	25,500	34,000	
114"X114"	129.96	114	114	114"X114"	129.96	114	114	18,000	27,000	36,000	
120"X120"	144.00	120	120	120"X120"	144.00	120	120	19,000	28,500	38,000	
126"X126"	158.76	126	126	126"X126"	158.76	126	126	20,000	30,000	40,000	
132"X132"	174.24	132	132	132"X132"	174.24	132	132	21,000	31,500	42,000	
138"X138"	190.44	138	138	138"X138"	190.44	138	138	22,000	33,000	44,000	
144"X144"	207.36	144	144	144"X144"	207.36	144	144	23,000	34,500	46,000	
150"X150"	225.00	150	150	150"X150"	225.00	150	150	24,000	36,000	48,000	
156"X156"	243.36	156	156	156"X156"	243.36	156	156	25,000	37,500	50,000	
162"X162"	262.44	162	162	162"X162"	262.44	162	162	26,000	39,000	52,000	
168"X168"	282.24	168	168	168"X168"	282.24	168	168	27,000	40,500	54,000	
174"X174"	302.76	174	174	174"X174"	302.76	174	174	28,000	42,000	56,000	
180"X180"	324.00	180	180	180"X180"	324.00	180	180	29,000	43,500	58,000	
186"X186"	345.96	186	186	186"X186"	345.96	186	186	30,000	45,000	60,000	
192"X192"	368.64	192	192	192"X192"	368.64	192	192	31,000	46,500	62,000	
198"X198"	392.04	198	198	198"X198"	392.04	198	198	32,000	48,000	64,000	
204"X204"	416.16	204	204	204"X204"	416.16	204	204	33,000	49,500	66,000	
210"X210"	441.00	210	210	210"X210"	441.00	210	210	34,000	51,000	68,000	
216"X216"	466.56	216	216	216"X216"	466.56	216	216	35,000	52,500	70,000	
222"X222"	492.84	222	222	222"X222"	492.84	222	222	36,000	54,000	72,000	
228"X228"	519.84	228	228	228"X228"	519.84	228	228	37,000	55,500	74,000	
234"X234"	547.56	234	234	234"X234"	547.56	234	234	38,000	57,000	76,000	
240"X240"	576.00	240	240	240"X240"	576.00	240	240	39,000	58,500	78,000	
246"X246"	605.16	246	246	246"X246"	605.16	246	246	40,000	60,000	80,000	
252"X252"	635.04	252	252	252"X252"	635.04	252	252	41,000	61,500	82,000	
258"X258"	665.64	258	258	258"X258"	665.64	258	258	42,000	63,000	84,000	
264"X264"	696.96	264	264	264"X264"	696.96	264	264	43,000	64,500	86,000	
270"X270"	729.00	270	270	270"X270"	729.00	270	270	44,000	66,000	88,000	
276"X276"	761.76	276	276	276"X276"	761.76	276	276	45,000	67,500	90,000	
282"X282"	795.24	282	282	282"X282"	795.24	282	282	46,000	69,000	92,000	
288"X288"	829.44	288	288	288"X288"	829.44	288	288	47,000	70,500	94,000	
294"X294"	864.36	294	294	294"X294"	864.36	294	294	48,000	72,000	96,000	
300"X300"	900.00	300	300	300"X300"	900.00	300	300	49,000	73,500	98,000	
306"X306"	936.36	306	306	306"X306"	936.36	306	306	50,000	75,000	100,000	
312"X312"	973.44	312	312	312"X312"	973.44	312	312	51,000	76,500	102,000	
318"X318"	1011.24	318	318	318"X318"	1011.24	318	318	52,000	78,000	104,000	
324"X324"	1050.00	324	324	324"X324"	1050.00	324	324	53,000	79,500	106,000	
330"X330"	1089.00	330	330	330"X330"	1089.00	330	330	54,000	81,000	108,000	
336"X336"	1129.16	336	336	336"X336"	1129.16	336	336	55,000	82,500	110,000	
342"X342"	1170.48	342	342	342"X342"	1170.48	342	342	56,000	84,000	112,000	
348"X348"	1212.96	348	348	348"X348"	1212.96	348	348	57,000	85,500	114,000	
354"X354"	1256.64	354	354	354"X354"	1256.64	354	354	58,000	87,000	116,000	
360"X360"	1301.56	360	360	360"X360"	1301.56	360	360	59,000	88,500	118,000	
366"X366"	1347.76	366	366	366"X366"	1347.76	366	366	60,000	90,000	120,000	
372"X372"	1395.24	372	372	372"X372"	1395.24	372	372	61,000	91,500	122,000	
378"X378"	1444.00	378	378	378"X378"	1444.00	378	378	62,000	93,000	124,000	
384"X384"	1494.00	384	384	384"X384"	1494.00	384	384	63,000	94,500	126,000	
390"X390"	1545.24	390	390	390"X390"	1545.24	390	390	64,000	96,000	128,000	
396"X396"	1597.76	396	396	396"X396"	1597.76	396	396	65,000	97,500	130,000	
402"X402"	1651.56	402	402	402"X402"	1651.56	402	402	66,000	99,000	132,000	
408"X408"	1706.64	408	408	408"X408"	1706.64	408	408	67,000	100,500	134,000	
414"X414"	1763.00	414	414	414"X414"	1763.00	414	414	68,000	102,000	136,000	
420"X420"	1820.64	420	420	420"X420"	1820.64	420	420	69,000	103,500	138,000	
426"X426"	1879.56	426	426	426"X426"	1879.56	426	426	70,000	105,000	140,000	
432"X432"	1939.76	432	432	432"X432"	1939.76	432	432	71,000	106,500	142,000	
438"X438"	1999.24	438	438	438"X438"	1999.24	438	438	72,000	108,000	144,000	
444"X444"	2060.00	444	444	444"X444"	2060.00	444	444	73,000	109,500	146,000	
450"X450"	2122.00	450	450	450"X450"	2122.00	450	450	74,000	111,000	148,000	
456"X456"	2185.24	456	456	456"X456"	2185.24	456	456	75,000	112,500	150,000	
462"X462"	2249.76	462	462	462"X462"	2249.76	462	462	76,000	114,000	152,000	
468"X468"	2315.56	468	468	468"X468"	2315.56	468	468	77,000	115,500	154,000	
474"X474"	2382.64	474	474	474"X474"	2382.64	474	474	78,000	117,000	156,000	
480"X480"	2451.00	480	480	480"X480"	2451.00	480	480	79,000	118,500	158,000	
486"X486"	2520.64	486	486	486"X486"	2520.64	486	486	80,000	120,000	160,000	
492"X492"	2591.56	492	492	492"X492"	2591.56	492	492	81,000	121,500	162,000	
498"X498"	2663.76	498	498	498"X498"	2663.76	498	498	82,000	123,000	164,000	
504"X504"	2737.20	504	504	504"X504"	2737.20	504	504	83,000	124,500	166,000	
510"X510"	2811.96	510	510	510"X510"	2811.96	510	510	84,000	126,000	168,000	
516"X516"	2888.00	516	516	516"X516"	2888.00	516	516	85,000	127,500	170,000	
522"X522"	2965.36	522	522	522"X522"	2965.36	522	522	86,000	129,000	172,000	
528"X528"	3044.00	528	528	528"X528"	3044.00	528	528	87,000	130,500	174,000	
534"X534"	3123.96	534	534	534"X534"	3123.96	534	534	88,000	132,000	176,000	
540"X540"	3205.20	540	540	540"X540"	3205.20	540	540	89,000	133,500	178,000	
546"X546"	3287.76	546	546	546"X546"	3287.76	546	546	90,000	135,000	180,000	
552"X552"	3371.56	552	552	552"X552"	3371.56	552	552	91,000	136,500	182,000	
558"X558"	3456.64	558	558	558"X558"	3456.64	558	558	92,000	138,000	184,000	
564"X564"	3543.00	564	564	564"X564"	3543.00	564	564	93,000	139,500	186,000	
570"X570"	3630.64	570	570	570"X570"	3630.64	570	570	94,000	141,000	188,000	
576"X576"	3719.56	576	576	576"X576"	3719.56	576	576	95,000	142,500	190,000	
582"X582"	3809.76	582	582	582"X582"	3809.76	582	582	96,000	144,000	192,000	
588"X588"	3901.20	588	588	588"X588"	3901.20	588	588	97,000	145,500	194,000	
594"X594"	3994.00	594	594	594"X594"	3994.00	594	594	98,000	147,000	196,000	
600"X600"	4088.00	600	600	600"X600"	4088.00	600	600	99,000	148,500	198,000	
606"X606"	4183.16										

DESTINY INDUSTRIES, LLC



WIND ZONE 2 TIEDOWN SPACING CHART

HOME SIZE	BOX WIDTH	I-BEAM SPACING	MAX. TIEDOWN SPACING	MAX. FLOOR HEIGHT (H)	ANCHOR ANGLE
+24 WIDE	136"	99 1/2"	4 ft.	24 in.	65°
24/36 WIDE	142"	99 1/2"	4 ft.	34 in.**	67°
24 WIDE	142"	79 1/2"	5 ft.	43 in.	61°
28/42 WIDE	166"	99 1/2"	5 ft.	39 in.	56°
*28 WIDE	166"	99 1/2"	4 ft.	42 in.	60°
32/45 WIDE	180"	99 1/2"	6 ft.	41 in.**	51°
*32 WIDE	180"	99 1/2"	5 ft.	41 in.	50°

* - INDICATES MAX. SIDEWALL HEIGHT OF 10'-1".

** - INDICATES MAX. FLOOR HEIGHT OF 32" FOR 36W & 34" FOR 45W.

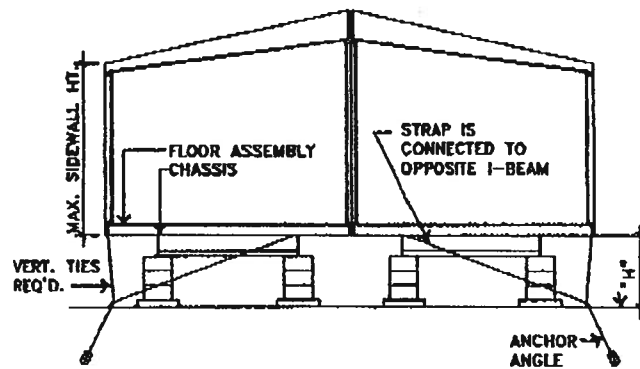
+ - INDICATES MAX. SIDEWALL HEIGHT OF 9'-1".

WIND ZONE 3 TIEDOWN SPACING CHART

HOME SIZE	BOX WIDTH	I-BEAM SPACING	MAX. TIEDOWN SPACING	MAX. FLOOR HEIGHT (H)	ANCHOR ANGLE
+24 WIDE	136"	99 1/2"	N/A	N/A	N/A
24/36 WIDE	142"	99 1/2"	4 ft.	27 in.***	62°
24 WIDE	142"	79 1/2"	4 ft.	46 in.	62°
28/42 WIDE	166"	99 1/2"	4 ft.	41 in.	58°
*28 WIDE	166"	99 1/2"	4 ft.	32 in.	52°
32/45 WIDE	180"	99 1/2"	5 ft.	40 in.***	50°
*32 WIDE	180"	99 1/2"	4 ft.	44 in.	52°

*** - INDICATES MAX. FLOOR HEIGHT OF 25" FOR 36W AND 32" FOR 45W.

+ - INDICATES MAX. SIDEWALL HEIGHT OF 9'-1".



WIND ZONE 2 TIEDOWN SPACING CHART

HOME SIZE	BOX WIDTH	I-BEAM SPACING	MAX. TIEDOWN SPACING	MAX. FLOOR HEIGHT (H)	ANCHOR ANGLE
+24 WIDE	136"	99 1/2"	8 ft.	50 in.	26°
24/36 WIDE	142"	99 1/2"	8 ft.	65 in.	38°
24 WIDE	142"	79 1/2"	5 ft.	65 in.	41°
28/42 WIDE	166"	99 1/2"	5 ft.	65 in.	35°
*28 WIDE	166"	99 1/2"	5 ft.	65 in.	35°
32/45 WIDE	180"	99 1/2"	6 ft.	65 in.	33°

* - INDICATES MAX. SIDEWALL HEIGHT OF 10'-1".

+ - INDICATES MAX. SIDEWALL HEIGHT OF 9'-1".

WIND ZONE 3 TIEDOWN SPACING CHART

HOME SIZE	BOX WIDTH	I-BEAM SPACING	MAX. TIEDOWN SPACING	MAX. FLOOR HEIGHT (H)	ANCHOR ANGLE
+24 WIDE	136"	99 1/2"	8 ft.	73 in.	36°
24/36 WIDE	142"	99 1/2"	4 ft.	65 in.	38°
24 WIDE	142"	79 1/2"	4 ft.	65 in.	40°
28/42 WIDE	166"	99 1/2"	4 ft.	65 in.	35°
32/45 WIDE	180"	99 1/2"	5 ft.	65 in.	33°

* - INDICATES MAX. SIDEWALL HEIGHT OF 10'-1".

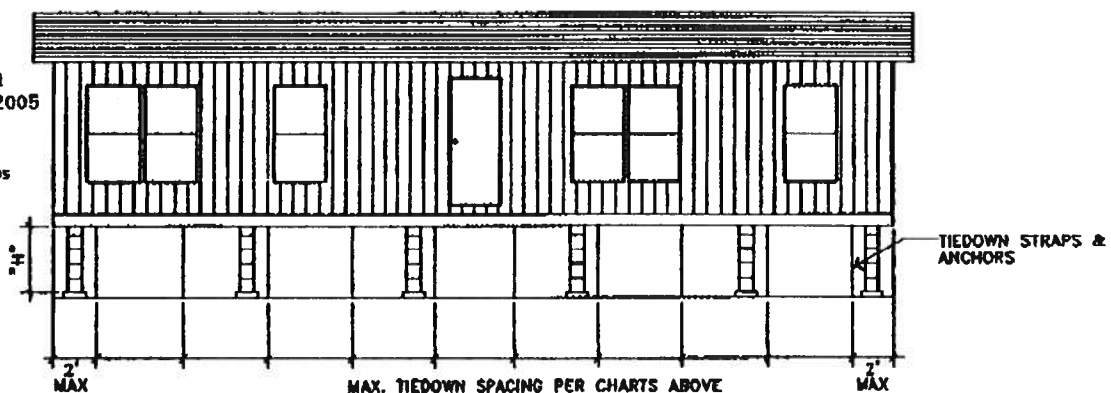
+ - INDICATES MAX. SIDEWALL HEIGHT OF 9'-1".

TIEDOWN SPACING REQUIREMENTS - NEAREST I-BEAM

TIEDOWN SPACING REQUIREMENTS - OPPOSITE I-BEAM

TYPICAL SIDE ELEVATION SHOWING TIE-DOWN SPACING

APPROVED BY
NIA INC.
 Revised
 May 03, 2005
 FEDERAL MANUFACTURED HOME
 CONSTRUCTION AND SAFETY STANDARDS



TYPICAL SIDE ELEVATION SHOWING TIEDOWN SPACING

NOTES:

1. REFER TO PAGE 4.13 FOR ALL STRAPPING AND ANCHORING REQUIREMENTS.
2. ROOF SLOPE MAY NOT EXCEED 20 DEGREES. MAX. EAVE IS 12".
3. MAX. SIDEWALL HEIGHT IS 7'-10" FOR 24 AND 36 WIDES. MAX. SIDEWALL HEIGHT IS 8'-6" FOR 28/42 AND 32/45 WIDES UNLESS OTHERWISE NOTED.
4. BOX WIDTHS LISTED ABOVE REPRESENTS MAXIMUM WIDTHS FOR EACH HOME SIZE.

WIND ZONES 2 & 3
MULTIWIDE SIDEWALL
TIEDOWN REQUIREMENT

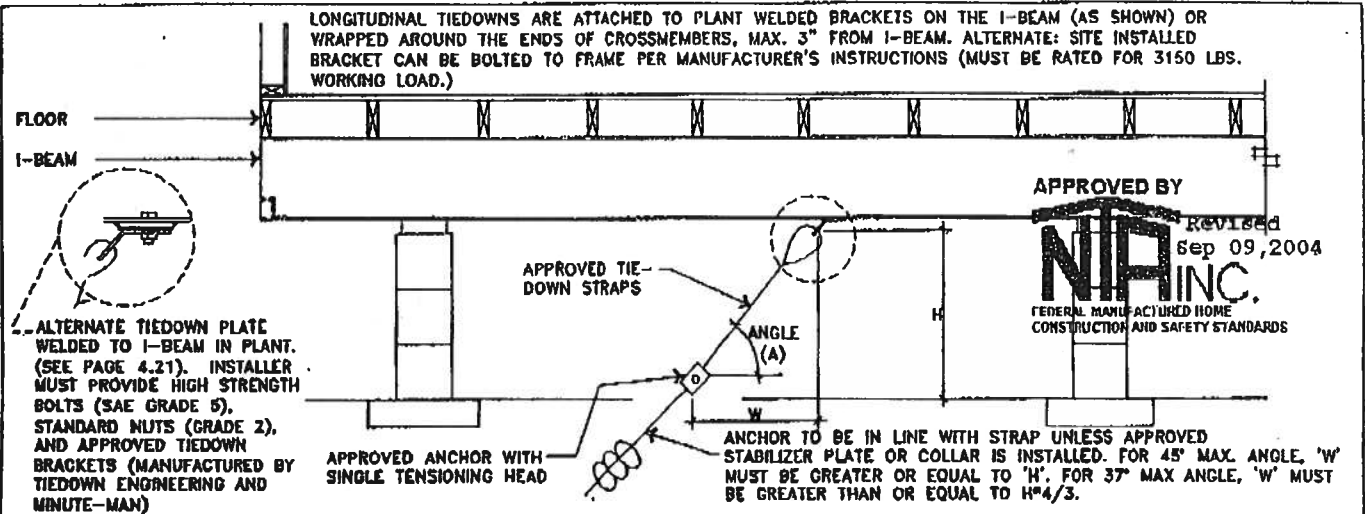
DRAWN BY: JBM

DATE: 11/30/98

REV: 2/25/05

DESTINY INDUSTRIES, LLC

I-4.17



INSTALLATION OF LONGITUDINAL TIE DOWNS

A

WIND ZONE 2 LONGITUDINAL TIEDOWN REQUIREMENTS

HOME SIZE	MAX. HOME SIZE B	MAX. WALL HEIGHT H	MAX. VERTICAL PROJECTION (Z)	MAX. STRAP ANGLE A	NO. OF TIEDOWNS EACH END
14 WIDE	14'-0"	7'-6"	2'-6"	45°	2
16 WIDE	15'-10"	7'-6"	2'-6"	37°	2
18 WIDE	15'-10"	8'-6"	2'-6"	45°	3
18 WIDE	17'-9"	8'-7"	5'-11"	45°	4
24 WIDE	23'-8"	7'-6"	3'-6"	45°	4
28 WIDE	27'-8"	8'-0"	4'-0"	37°	4
28 WIDE	27'-8"	8'-6"	4'-0"	45°	5
32 WIDE	30'-0"	8'-0"	4'-0"	45°	5
36 WIDE	35'-0"	7'-6"	4'-0"	45°	7
24 WIDE W/ HINGED ROOF	23'-4"	8'-7"	5'-10"	45°	5
28 WIDE W/ HINGED ROOF	27'-8"	8'-0"	7'-8"	45°	6
32 WIDE W/ HINGED ROOF	30'-0"	8'-0"	8'-4"	45°	7

WIND ZONE 3 LONGITUDINAL TIEDOWN REQUIREMENTS

HOME SIZE	MAX. HOME SIZE B	MAX. WALL HEIGHT H	MAX. VERTICAL PROJECTION (Z)	MAX. STRAP ANGLE A	NO. OF TIEDOWNS EACH END
14 WIDE	14'-0"	7'-6"	2'-6"	45°	3
16 WIDE	15'-10"	7'-6"	2'-6"	45°	3
18 WIDE	17'-9"	8'-7"	5'-11"	45°	5
24 WIDE	23'-8"	7'-6"	3'-6"	45°	5
28 WIDE	27'-8"	8'-0"	4'-0"	45°	6
32 WIDE	30'-0"	8'-0"	4'-0"	45°	6
36 WIDE	35'-0"	7'-6"	4'-0"	45°	8
28 WIDE W/ HINGED ROOF	27'-8"	7'-6"	6'-8"	45°	7

MAXIMUM PIER HEIGHTS NOT REQUIRING LONGITUDINAL TIEDOWNS IN WIND ZONE 1 *

HOME SIZE	MAXIMUM HOME WIDTH B	MAXIMUM WALL HEIGHT H	MAXIMUM VERTICAL PROJECTION Z	SINGL. STACK PIER		DBL. STACK PIER	
				MIN. UNIT LENGTH **			
				64'-0"	76'-0"	64'-0"	76'-0"
				MAX. PIER HEIGHT (IN)			
14 WIDE	14'-0"	8'-7"	4'-8"	N/A*	N/A*	45	55
16 WIDE	15'-10"	9'-7"	5'-2"	N/A*	N/A*	38	47
18 WIDE	17'-9"	8'-7"	5'-11"	N/A*	N/A*	40	49
20 WIDE	10'-0"	8'-7"	3'-4"	N/A*	25	54	68
24 WIDE	23'-8"	8'-7"	4'-0"	N/A*	24	49	60
28 WIDE	27'-8"	9'-7"	4'-7"	N/A*	N/A*	41	50
32 WIDE	30'-0"	9'-1"	5'-3"	N/A*	N/A*	41	50
36 WIDE	35'-0"	8'-7"	4'-0"	N/A*	N/A*	43	54

* IF ANY PIER EXCEEDS THE MAXIMUM PIER HEIGHT, INSTALL 2 LONGITUDINAL TIEDOWNS AT EACH END OF EACH SECTION OF HOME.

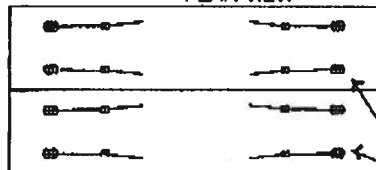
** FOR ALL HOMES LESS THAN 64' IN LENGTH, INSTALL 2 LONGITUDINAL TIEDOWNS AT EACH END OF EACH SECTION OF HOME WITH MAXIMUM STRAP ANGLE OF 45°.

TOTAL NUMBER OF LONGITUDINAL TIEDOWNS AT EACH END OF HOME PER CHART.

B

SECTION

PLAN VIEW



LONGITUDINAL TIE DOWN REQUIREMENTS

NOTES:

- WIND ZONE 1 CHART ASSUMES SINGLE STACK PIERS 8" WITH A BLOCK WEIGHT OF 25 LBS. OR DOUBLE STACK PIERS 16" WIDE WITH A BLOCK WEIGHT OF 50 LBS. PIERS ARE AT 12'-0" O.C. MAXIMUM SPACING.
- FOR DOUBLEWIDES WITH HINGED ROOFS OR PARAPET WALLS IN WIND ZONE 1 (VERTICAL PROJECTION Z = 9'-1" MAX. FOR HINGED ROOF, 3'-8" MAX. FOR PARAPET WALL), ALWAYS INSTALL 2 LONGITUDINAL TIE DOWNS AT EACH END OF EACH SECTION (4 TOTAL EACH END OF HOME).
- REFER TO NOTES ON PAGE 4.12 FOR STRAPPING AND ANCHORING SPECS.

LONGITUDINAL TIEDOWN REQUIREMENTS

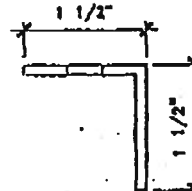
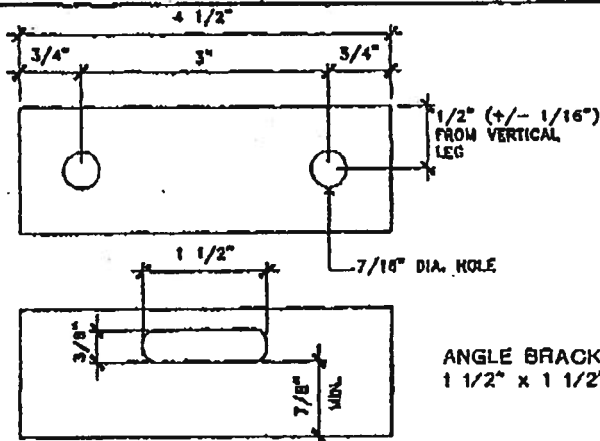
DRAWN BY JBM

DATE: 11/30/98

REV: 9/1/04

DESTINY INDUSTRIES, LLC

I - 4.19



APPROVED BY

Revised
Oct 24, 2000

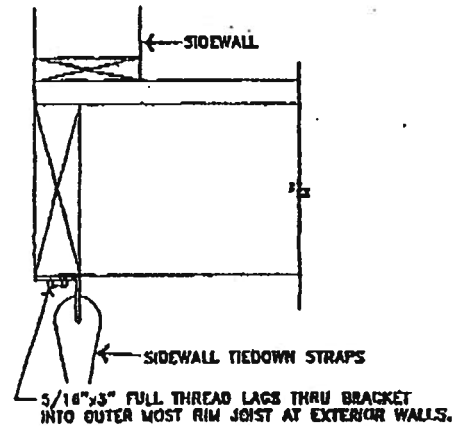
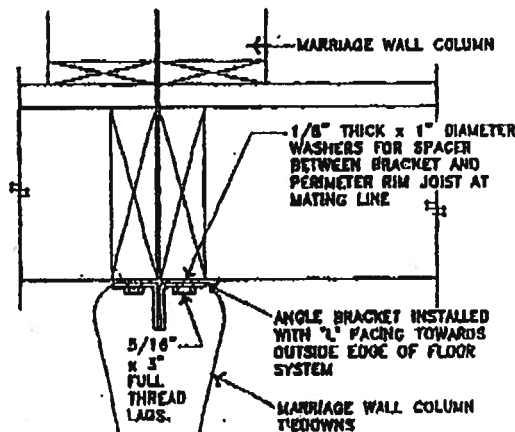
NIA INC.

FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

ANGLE BRACKET TO BE OF 1 1/2" x 1 1/2" ANGLE MEMBER

SLOT NOT REQUIRED IF WASHERS ARE USED PER DETAIL BELOW

VERTICAL TIE STRAP CONNECTOR



PROFILE VIEW - BRACKET W/ WASHER APPLICATION

PROFILE VIEW - BRACKET W/ SLOT APPLICATION

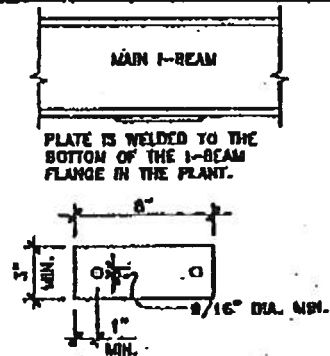
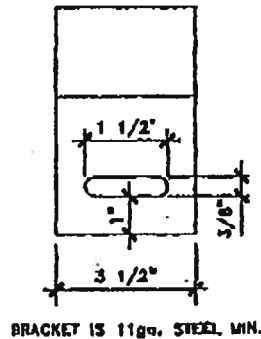
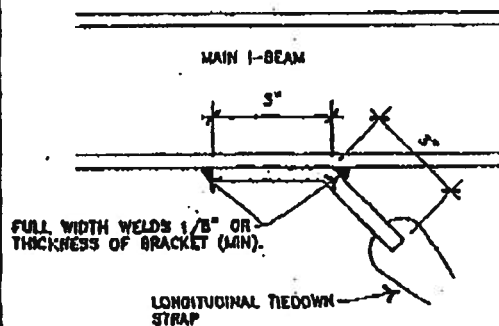


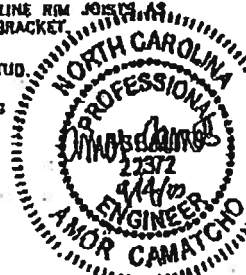
PLATE IS WELDED TO THE BOTTOM OF THE I-BEAM FLANGE IN THE PLANT.

PLATE IS 11-GAGE MIN. THICKNESS

LONGITUDINAL TIEDOWN BRACKET

NOTES

1. ALL BRACKETS ARE TO BE PAINTED IN THE PLANT OR ZINC COATED MIN. .30 oz. PSF.
2. WASHERS MAY BE PLACED BETWEEN ANGLE BRACKET AND MATING LINE RIM JOIST. A SPACER TO ALLOW AN ANCHOR STRAP TO BE LOOPEd AROUND BRACKET.
3. SIDEWALL ANGLE BRACKETS MUST BE LOCATED WITHIN 8" OF A STUD.
4. USE A RADIUS CLIP FOR ALL BRACKET APPLICATIONS BY THREADING A PIECE OF STRAP THRU THE SLOT (OR OVER THE BRACKETS) BEFORE LOOPING THE TIEDOWN STRAP THROUGH (AROUND) THE BRACKET.



ALT. 4" x 8" x 3/16" PLATE THAT IS USED FOR DETACHABLE HUTCH CAN ALSO BE USED FOR LONGITUDINAL TIEDOWNS. WASHERS MUST BE USED WITH HIGH STRENGTH BOLTS FOR THIS APPLICATION.

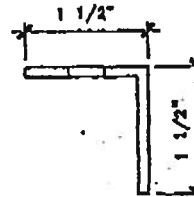
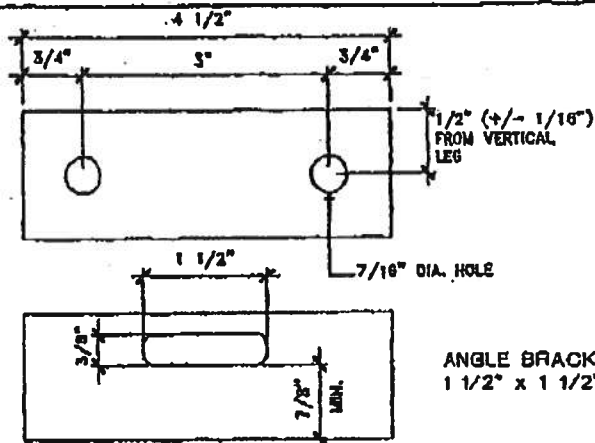
LONGITUDINAL TIEDOWN PLATE DETAILS

ANGLE BRACKET DETAILS

DRAWN BY JBM

DATE 12/1/00

REV 3/17/00



APPROVED BY

Revised
Oct 24, 2000

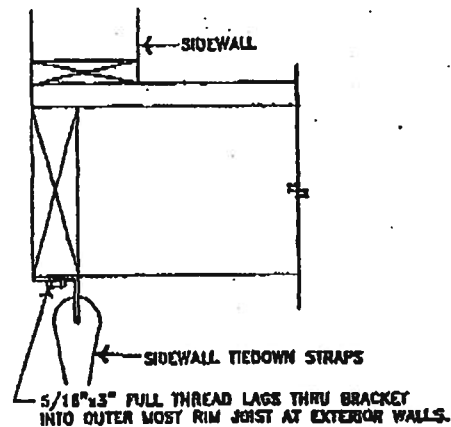
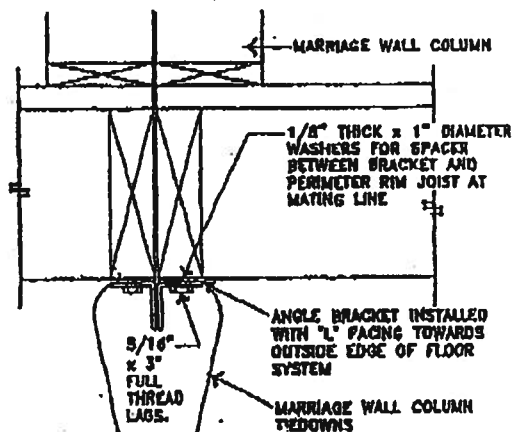
NIA INC.

FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

ANGLE BRACKET TO BE OF 1 1/2" x 1 1/2" ANGLE MEMBER

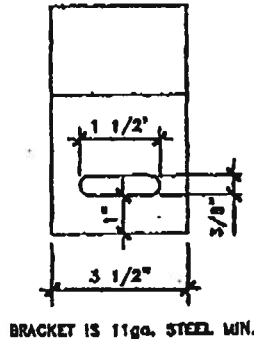
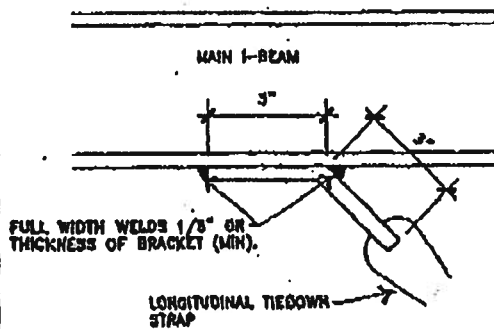
SLOT NOT REQUIRED IF WASHERS ARE USED PER DETAIL BELOW

VERTICAL TIE STRAP CONNECTOR

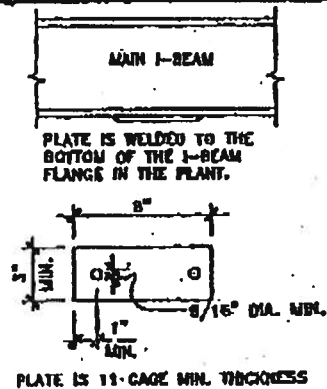
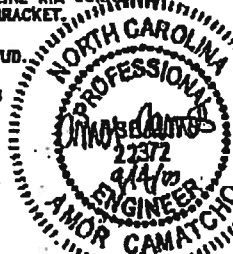


PROFILE VIEW - BRACKET W/ WASHER APPLICATION

PROFILE VIEW - BRACKET W/ SLOT APPLICATION

**LONGITUDINAL TIEOWN BRACKET****NOTES**

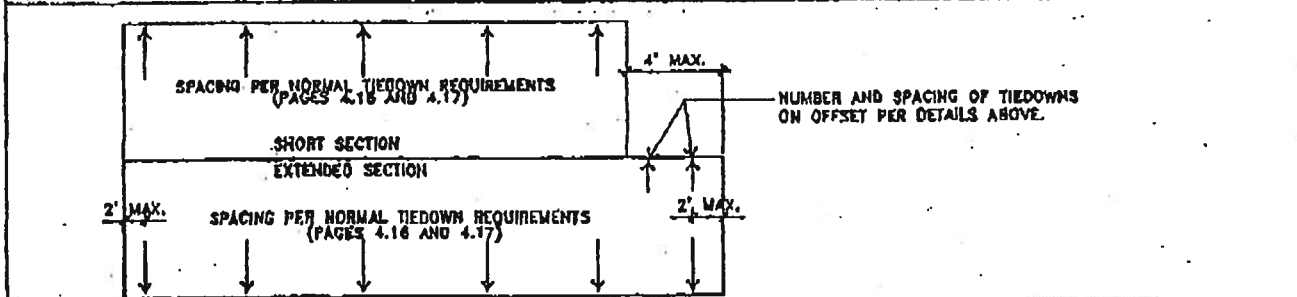
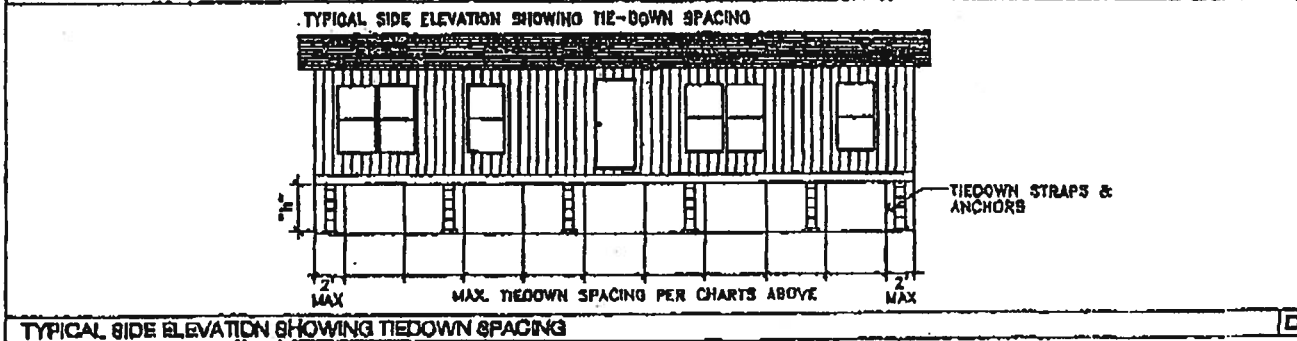
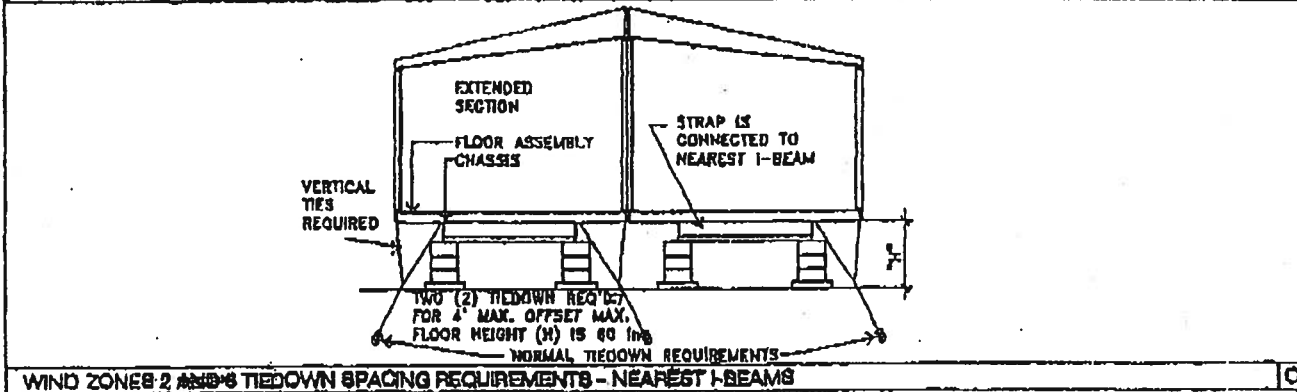
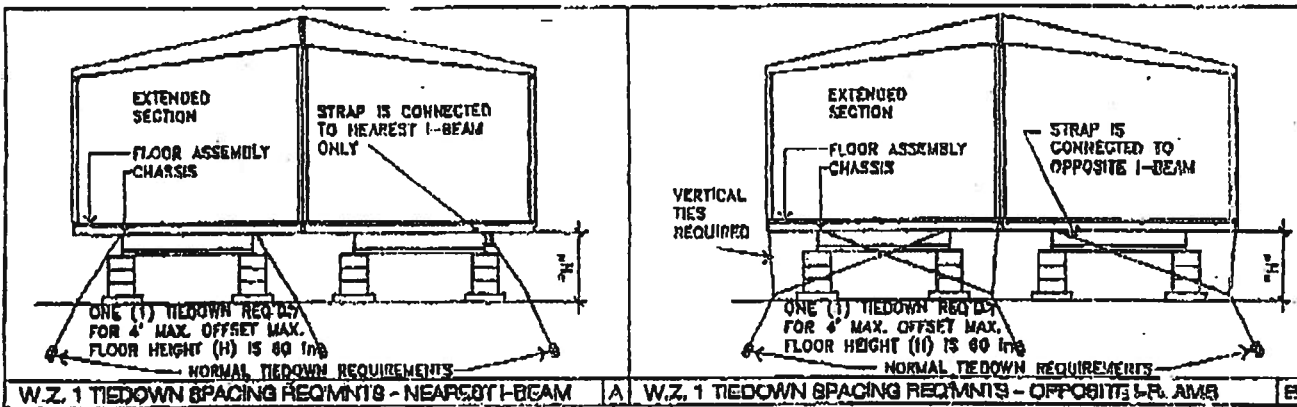
1. ALL BRACKETS ARE TO BE PAINTED IN THE PLANT OR ZINC COATED MIN. .30 oz. PSF.
2. WASHERS MAY BE PLACED BETWEEN ANGLE BRACKET AND MATING LINE RIM JOISTS AS A SPACER TO ALLOW AN ANCHOR STRAP TO BE LOOPED AROUND BRACKET.
3. SIDEWALL ANGLE BRACKETS MUST BE LOCATED WITHIN 8" OF A STUD.
4. USE A RADIUS CLIP FOR ALL BRACKET APPLICATIONS BY THREADING A PIECE OF STRAP THRU THE SLOT (OR OVER THE BRACKETS) BEFORE LOOPING THE TIEOWN STRAP THROUGH (AROUND) THE BRACKET



ALT. 4" x 8" x 3/16" PLATE THAT IS USED FOR DETACHABLE HITCH CAN ALSO BE USED FOR LONGITUDINAL TIEOWNS. WASHERS MUST BE USED WITH HIGH STRENGTH BOLTS FOR THIS APPLICATION.

LONGITUDINAL TIEOWN PLATE DETAILS**ANGLE BRACKET DETAILS**

DRAWN BY JBM
DATE 12/1/98
REV 3/17/00



PLAN VIEW OF OFFSET UNIT

NOTES:

- THIS DETAIL APPLIES TO 28' WIDE HOMES WITH ONE SECTION FOUR FEET LONGER THAN THE OTHER. THE RISE OF THE ROOF (FROM TOP OF SIDEWALL TO ROOF PEAK) IS NO MORE THAN FOUR FEET.
- REFER TO PAGES 4.12 AND 4.13 FOR ALL STRAPPING AND ANCHORING REQUIREMENTS.
- MAX. BOX WIDTH IS 146" (28' WIDE) WITH 99 1/2" I-BEAM SPACING. MAX. EAVE IS 12".
- MAX. SIDEWALL HEIGHT IS 8'-0".

APPROVED BY:

SEAL

ENGINEER

C. TODD MCGUIRE

REVIEWED: Aug 21, 2001

REVISIONS:

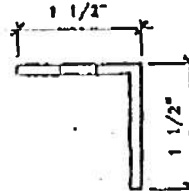
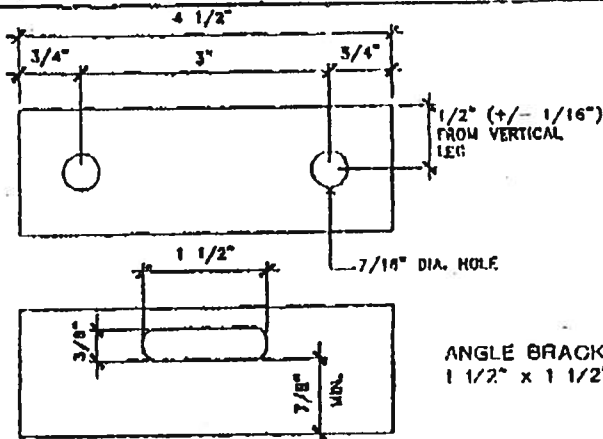
TIEDOWNS FOR OFFSET UNIT (4' - 0' MAX.)

DRAWN BY: JSM

DATE: 12/2/08

REV: 8/7/01

1 - 4.22



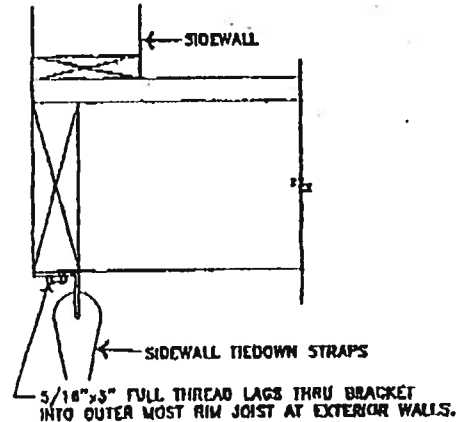
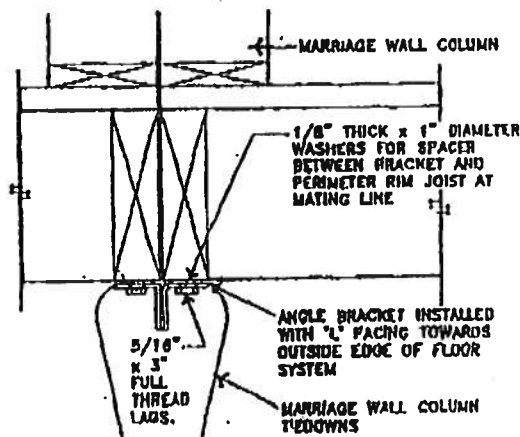
APPROVED BY

Revised
Oct 24, 2000
NIA INC.
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

ANGLE BRACKET TO BE OF 1 1/2" x 1 1/2" ANGLE MEMBER

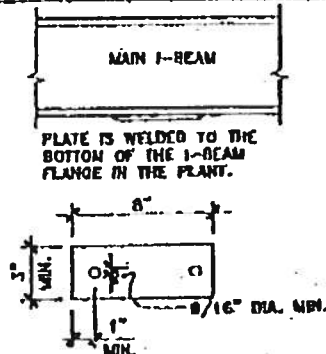
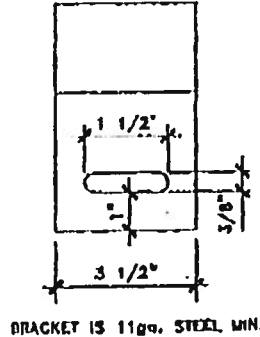
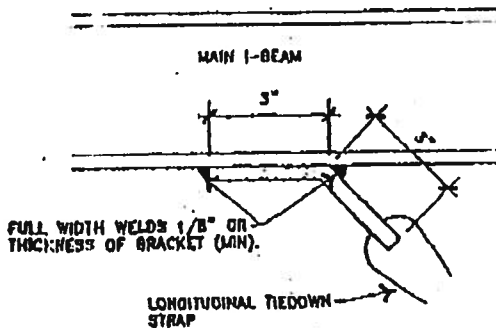
SLOT NOT REQUIRED IF WASHERS ARE USED PER DETAIL BELOW

VERTICAL TIE STRAP CONNECTOR



PROFILE VIEW - BRACKET W/ WASHER APPLICATION

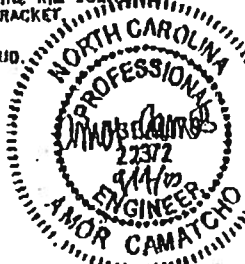
PROFILE VIEW - BRACKET W/ SLOT APPLICATION



LONGITUDINAL TIEDOWN BRACKET

NOTES

1. ALL BRACKETS ARE TO BE PAINTED IN THE PLANT OR ZINC COATED MIN. .30 oz. PSF.
2. WASHERS MAY BE PLACED BETWEEN ANGLE BRACKET AND MATING LINE RIM JOIST AS A SPACER TO ALLOW AN ANCHOR STRAP TO BE LOOPED AROUND BRACKET.
3. SIDEWALL ANGLE BRACKETS MUST BE LOCATED WITHIN 8" OF A STUD.
4. USE A RADIUS CLIP FOR ALL BRACKET APPLICATIONS BY THREADING A PIECE OF STRAP THRU THE SLOT (OR OVER THE BRACKETS) BEFORE LOOPING THE TIEDOWN STRAP THROUGH (AROUND) THE BRACKET.



ALT. 4" x 8" x 3/16" PLATE THAT IS USED FOR DETACHABLE HITCH CAN ALSO BE USED FOR LONGITUDINAL TIEDOWNS. WASHERS MUST BE USED WITH HIGH STRENGTH BOLTS FOR THIS APPLICATION.

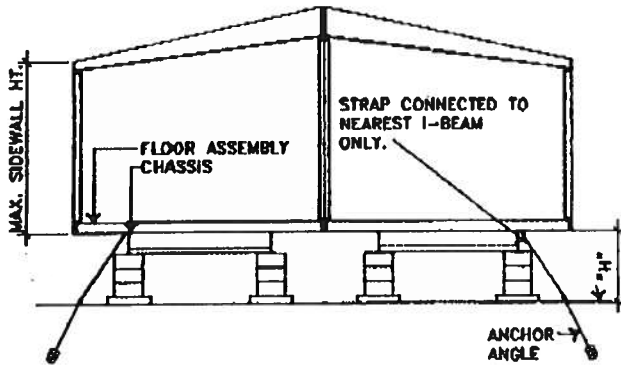
LONGITUDINAL TIEDOWN PLATE DETAILS

ANGLE BRACKET DETAILS

DRAWN BY JBM

DATE 12/1/98

REV 5/17/00

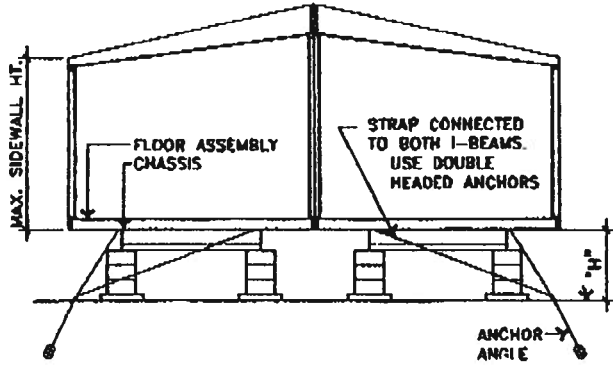


WIND ZONE 1 TIEDOWN SPACING CHART

HOME SIZE	BOX WIDTH	I-BEAM SPACING	MAX. TIEDOWN SPACING	MAX. FLOOR HEIGHT (H)	ANCHOR ANGLE
+24 WIDE	136"	99 1/2"	6 ft.	29 in.	67°
+24 WIDE	136"	99 1/2"	4 ft.	45 in.	75°
24/36 WIDE	142"	99 1/2"	8 ft.	25 in.	61°
24/36 WIDE	142"	99 1/2"	6 ft.	36 in.	68°
24 WIDE	142"	112"	4 ft.	32 in.	76°
28/42 WIDE	166"	99 1/2"	10 ft.	28 in.	50°
28/42 WIDE	166"	99 1/2"	8 ft.	40 in.	59°
*28 WIDE	166"	99 1/2"	8 ft.	34 in.	54°
*28 WIDE	166"	99 1/2"	6 ft.	50 in.	64°
28 WIDE	166"	112"	8 ft.	30 in.	58°
28 WIDE	166"	112"	6 ft.	43 in.	67°
32/45 WIDE	180"	99 1/2"	10 ft.	39 in.	50°
32/45 WIDE	180"	99 1/2"	8 ft.	55 in.	59°
32 WIDE	180"	112"	10 ft.	32 in.	50°
32 WIDE	180"	112"	8 ft.	44 in.	59°
*32 WIDE	180"	99.5"	8 ft.	47 in.	54°

* - INDICATES MAX. SIDEWALL HEIGHT OF 10'-1"

+ - INDICATES MAX. SIDEWALL HEIGHT OF 9'-1"



WIND ZONE 1 TIEDOWN SPACING CHART

HOME SIZE	BOX WIDTH	I-BEAM SPACING	MAX. TIEDOWN SPACING	MAX. FLOOR HEIGHT (H)	ANCHOR ANGLE
+24 WIDE	136"	99 1/2"	12 ft.	80 in.	38°
*24/36 WIDE	142"	99 1/2"	12 ft.	80 in.	43°
*28/42 WIDE	166"	99 1/2"	12 ft.	80 in.	43°
**28 WIDE	166"	99 1/2"	12 ft.	67 in.	30°
*32/45 WIDE	180"	99 1/2"	12 ft.	80 in.	43°
**32 WIDE	180"	99 1/2"	12 ft.	72 in.	30°

* - INDICATES MAXIMUM SIDEWALL HEIGHT OF 7'-10" FOR 24 WIDES AND 8'-6" FOR 28 AND 32 WIDES.

** - INDICATES MAX. SIDEWALL HEIGHT OF 10'-1".

+ - INDICATES MAX. SIDEWALL HEIGHT OF 9'-1".

APPROVED BY

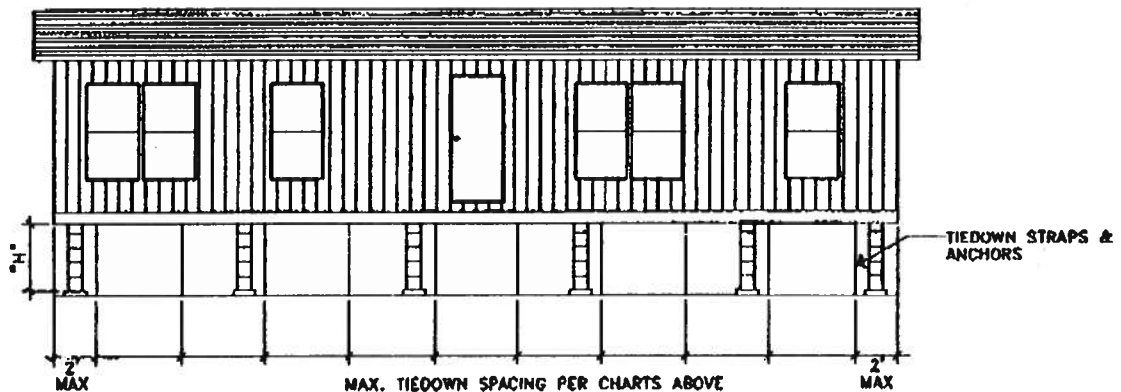
Revised
Mar 03, 2005

NTA INC.
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

TIEDOWN SPACING REQUIREMENTS - NEAREST I-BEAM

TIEDOWN SPACING REQUIREMENTS - BOTH I-BEAMS

TYPICAL SIDE ELEVATION SHOWING TIE-DOWN SPACING



TYPICAL SIDE ELEVATION SHOWING TIEDOWN SPACING

NOTES:

1. REFER TO PAGE 4.12 FOR ALL STRAPPING AND ANCHORING REQUIREMENTS.
2. ROOF SLOPE MAY NOT EXCEED 20 DEGREES. MAX. EAVE IS 12".
3. MAX. SIDEWALL HEIGHT IS 8'-7" FOR 20, 24 AND 36 WIDES. MAX. SIDEWALL HEIGHT IS 8'-1" FOR 28/42 AND 32/45 WIDES, UNLESS OTHERWISE NOTED.
4. BOX WIDTHS STATED ABOVE REPRESENT MAX WIDTHS FOR EACH HOME SIZE.



WIND ZONE 1
MULTIWIDE SIDEWALL
TIEDOWN REQUIREMENT

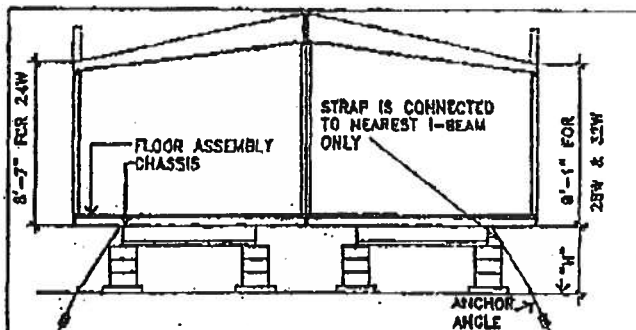
DRAWN BY: JBM

DATE: 11/30/98

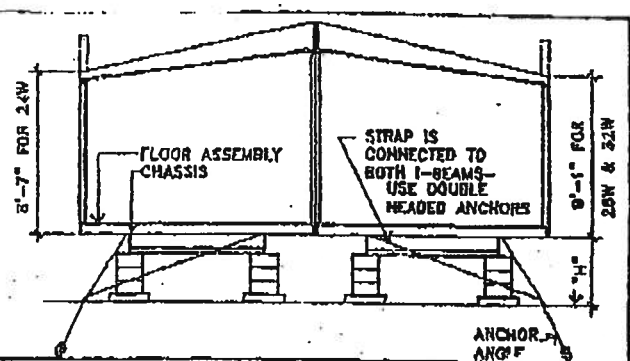
REV: 2/25/05

DESTINY INDUSTRIES, LLC

I-4.16



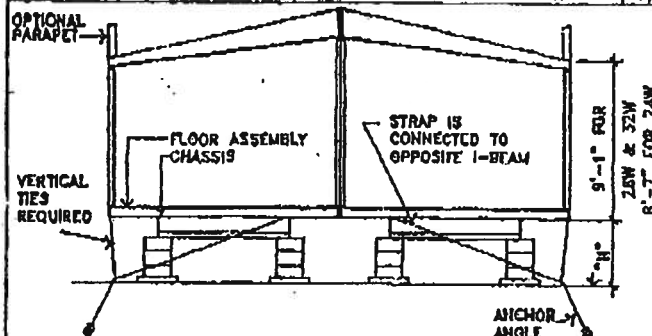
WIND ZONE 1 TIEDOWN SPACING CHART					
HOME SIZE	BOX WIDTH	I-BEAM SPACING	MAX. TIEDOWN SPACING	MAX. FLOOR HEIGHT (H)	ANCHOR ANGLE
28 WIDE	168"	99 1/2"	4 ft.	48 in.	94°
32 WIDE	180"	99 1/2"	4 ft.	48 in.	62°
**24 WIDE	142"	99 1/2"	4 ft.	34 in.	67°
**28 WIDE	168"	99 1/2"	4 ft.	53 in.	65°
**32 WIDE	180"	112"	4 ft.	39 in.	65°
**32 WIDE	180"	99 1/2"	4 ft.	69 in.	64°
**32 WIDE	180"	112"	4 ft.	58 in.	84°
**24 WIDE	140"	99 1/2"	4 ft.	29 in.	64°
**28 WIDE	168"	99 1/2"	4 ft.	50 in.	61°
**28 WIDE	168"	99 1/2"	4 ft.	42 in.	80°



WIND ZONE 1 TIEDOWN SPACING CHART					
HOME SIZE	BOX WIDTH	I-BEAM SPACING	MAX. TIEDOWN SPACING	MAX. FLOOR HEIGHT (H)	ANCHOR ANGLE
**24 WIDE	142"	112"	8 ft.	80 in.	40°
28 WIDE	168"	99 1/2"	8 ft.	48 in.	30°
32 WIDE	180"	99 1/2"	8 ft.	48 in.	22°
**24 WIDE	140"	99 1/2"	8 ft.	57 in.	29°
**28 WIDE	168"	99 1/2"	8 ft.	40 in.	19°
**28 WIDE	168"	99 1/2"	8 ft.	80 in.	35°

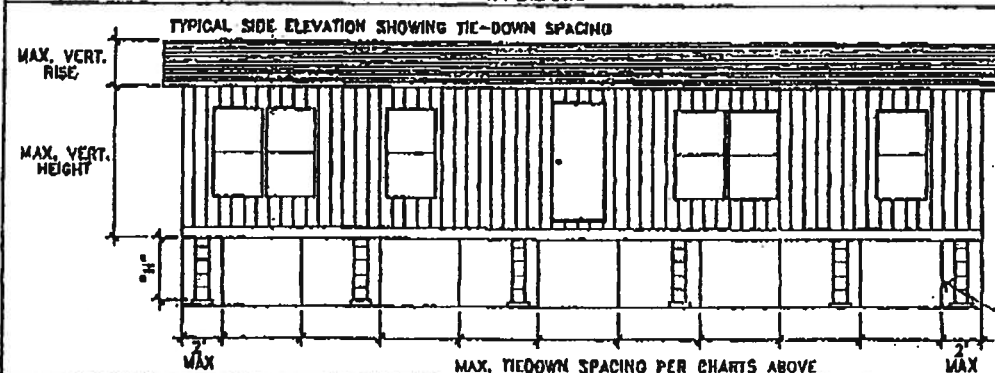
TIEDOWN SPACING REQUIREMENTS - NEAREST I-BEAM

TIEDOWN SPACING REQUIREMENTS - BOTH I-BEAMS



WIND ZONE 2 TIEDOWN SPACING CHART					
HOME SIZE	BOX WIDTH	SPACING	SPACING	HEIGHT (H)	ANCHOR ANGLE
24 WIDE	140"	99 1/2"	4 ft.	48 in.	38°
28 WIDE	168"	99 1/2"	4 ft.	48 in.	25°
**28 WIDE	168"	99 1/2"	4 ft.	48 in.	31°
32 WIDE	180"	99 1/2"	4 ft.	48 in.	33°

TIEDOWN SPACING REQUIREMENTS - OPPOSITE I-BEAMS



TYPICAL SIDE ELEVATION SHOWING TIEDOWN SPACING

NOTES:

- THIS DETAIL APPLIES TO 24, 28 AND 32 WIDE HOMES WITH HIGH PITCH (HINGE) ROOF DESIGNS WHERE THE RISE OF THE ROOF (FROM TOP OF SIDEWALL TO ROOF PEAK) IS GREATER THAN FOUR FEET. MAX. ROOF PITCH IS 6/12. ALT. * INDICATES MAX. ROOF PITCH OF 5/12 AND MAX. SIDEWALL HEIGHT OF 8'-7" FOR 24 WIDES AND 9'-1" FOR 28 AND 32 WIDES. ** INDICATES MAX. ROOF PITCH OF 7/12 AND MAX. SIDEWALL OF 8'-7" FOR 24 AND 28 WIDES. *** INDICATES MAX. SIDEWALL HEIGHT OF 10'-1" WITH A 6/12 ROOF PITCH. FOR PARAPET CONSTRUCTION, USE THE 5/12 MAX. ROOF PITCH CRITERIA NOTED WITH A (*) IN THE CHARTS TO COVER A 10'-1" MAXIMUM SIDEWALL. THE PARAPET MAX. HEIGHT IS 42".
- REFER TO PAGES 4.12 AND 4.13 FOR ALL STRAPPING AND ANCHORING REQUIREMENTS.
- MAX. EAVE IS 12"
- MAX. SIDEWALL HEIGHT IS 9'-1" FOR 28 AND 32 WIDES, UNLESS OTHERWISE NOTED.
- BOX WIDTHS STATED ABOVE REPRESENT THE MAXIMUM WIDTH FOR EACH HOME SIZE.

HIGH PITCH OR PARAPET ROOF TIEDOWN REQUIREMENTS

DRAWN BY JBM

DATE 11/30/98

REV 6/13/02

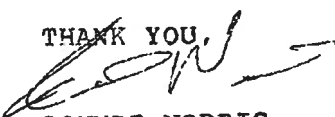
I-4.18

4/03/06

I, RONNIE NORRIS AUTHORIZE FOR: ROSEMARY LEE TO PULL THEIR
MOVE-ON PERMIT UNDER MY LICENSE.

PERTAINING TO THIS PERMIT ONLY.

THANK YOU.


RONNIE NORRIS

**Columbia County Building Department
Flood Development Permit**

**Development Permit
F 023- 06-011**

DATE 04/04/2006 BUILDING PERMIT NUMBER 000024337
APPLICANT ROSEMARY LEE PHONE 754-5558
ADDRESS 158 SW MONUMENT LANE FT. WHITE FL 32038
OWNER DANIEL S. & ROSEMARY C. LEE PHONE 754-5558
ADDRESS 158 SW MONUMENT LANE FT. WHITE FL 32038
CONTRACTOR RONNIE NORRIS PHONE 386.752.3871
ADDRESS 1004 S CHARLES TERRACE LAKE CITY FL 32024
SUBDIVISION WILSON SPRINGS COMMUNITY Lot 4 Block 3 Unit Phase 1-B
TYPE OF DEVELOPMENT M/H/UTILITY PARCEL ID NO. 01-7S-15-04149-304

FLOOD ZONE AE BY BLK 1-6-88 FIRM COMMUNITY #. 120070 - PANEL #. 255B
FIRM 100 YEAR ELEVATION 35.0' PLAN INCLUDED YES or NO
REQUIRED LOWEST HABITABLE FLOOR ELEVATION 36.0'
IN THE REGULATORY FLOODWAY (YES) or NO RIVER SANTAL
SURVEYOR / ENGINEER NAME JAMES KNIGHT, P.E. LICENSE NUMBER 47756

 ONE FOOT RISE CERTIFICATION INCLUDED
✓ ZERO RISE CERTIFICATION INCLUDED
✓ SRWMD PERMIT NUMBER ERP 05-0517
(INCLUDING THE ZERO RISE CERTIFICATION)
DATE THE FINISHED FLOOR ELEVATION CERTIFICATE WAS PROVIDED

INSPECTED DATE BY

COMMENTS

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



24337

District No. 1 - Ronald Williams
 District No. 2 - Dewey Weaver
 District No. 3 - Jody DuPree
 District No. 4 - Stephen E. Bailey
 District No. 5 - Scarlet P. Frisina



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

MEMO OF REVIEW FOR CORRECTNESS AND COMPLETION

In accordance with participation in the NFIP/CRS program, all elevation certificates are required to be reviewed for correctness and completion prior to acceptance by the community. This completed form shall be attached to all elevation certificates maintained on file and provided with requested copies of elevation certificates.

- _____ The attached elevation certificate requires corrections by the surveyor of section(s) _____ prior to acceptance by the community.
☒ The attached elevation certificated is complete and correct.
☒ Minor corrections have been made in the below marked sections by the authorized Community Official.

SECTION A - PROPERTY INFORMATION		For Insurance Company Use:
A1. Building Owner's Name	Daniel S. Lee	Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	158 SW Monument Lane	Company NAIC Number
City	Fort White	State
	FL	ZIP Code
		32038
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)		
Lot 4 Block 3 Wilson Springs Community Phase 1		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)		
Residential		
A5. Latitude/Longitude: Lat.	82 45 45.5	Long.
	29 34 01.7	Horizontal Datum: ☐ NAD 1927 ☒ NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number		
5		
A8. For a building with a crawl space or enclosure(s), provide:		
a) Square footage of crawl space or enclosure(s)	_____ sq ft	
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade	_____	
c) Total net area of flood openings in A8.b	_____ sq in	
A9. For a building with an attached garage, provide:		
a) Square footage of attached garage	_____ sq ft	
b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade	_____	
c) Total net area of flood openings in A9.b	_____ sq in	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number		B2. County Name		B3. State	
120070		Columbia		Florida	
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
120070 0255	B	1-6-88	1-6-88	AE	35
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.					
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?					
Designation Date _____ ☐ CBRS ☐ OPA ☐ Yes ☒ No					

COMMENTS:

C3e - Electrical panel box at 39 feet. no A/c outside.

Date of Review: 8-28-09

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.

AND THE COMMUNITY OFFICIAL

All elevation certificates shall be maintained by the community and copies with the attached memo made available upon request.

P.O. BOX 1529

LAKE CITY, FLORIDA 32056-1529

PHONE (386) 733-4400

District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - Jody DuPree
District No. 4 - Stephen E. Bailey
District No. 5 - Scarlet P. Frisina



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

August 7, 2009

Mr. Gerry G. Smith
618 SW Charles Terr.
Lake City, FL 32056

Dear Mr. Smith:

On July 22, 2009 Insurance Services Office, Inc. conducted an audit of our Community Rating System as part of our requirements as a participating community in the National Flood Insurance Program.

Part of the audit consisted of a sampling of elevation certificates being reviewed. Attached is a copy of an elevation certificate that you completed as the surveyor. The copy is marked showing the errors that ISO, Inc. is requiring to be fixed.

I know that this is an inconvenience for you but if we do not correct these elevation certificates it will affect our community rating which will in turn increase the flood insurance premiums for residents of the county. We must return this information to ISO, Inc. no later than August 26, 2009.

The elevation certificates must be originals with original signature and seal.

If you have any questions, please give me a call.

Sincerely,

A handwritten signature in black ink that reads "Connie F. Scott". The signature is written in a cursive, flowing style.

Connie F. Scott, CFM
CRS Coordinator

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires February 28, 2009

Important: Read the instructions on pages 1-8.

24337

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name <u>Daniel S. Lee</u>		For Insurance Company Use:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>Lot 4 Block 3 Wilson Springs Community</u>		Policy Number	
City <u>Wilson Springs Community Phase 1-B</u> State <u>Florida</u>		Company NAIC Number	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>Parcel 1.D. 01-75-15-04149-304</u>		ZIP Code <u>32056</u>	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>			
A5. Latitude/Longitude: Lat. <u>82° 45' 45.5"</u> Long. <u>29° 54' 01.7"</u> Horizontal Datum: ☐ NAD 1927 ☒ NAD 1983			
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.			
A7. Building Diagram Number <u>5</u>			
A8. For a building with a crawl space or enclosure(s), provide:		A9. For a building with an attached garage, provide:	
a) Square footage of crawl space or enclosure(s) _____ sq ft		a) Square footage of attached garage _____ sq ft	
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade _____		b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____	
c) Total net area of flood openings in A8.b _____ sq in		c) Total net area of flood openings in A9.b _____ sq in	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number <u>Columbia Co. 120070</u>		B2. County Name <u>Columbia</u>		B3. State <u>Florida</u>	
B4. Map/Panel Number <u>120070</u>	B5. Suffix <u>0255B</u>	B6. FIRM Index Date <u>Jan. 6-88</u>	B7. FIRM Panel Effective/Revised Date <u>Jan. 6-88</u>	B8. Flood Zone(s) <u>AE</u>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <u>35.0</u>
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. ☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Designation Date _____ ☐ CBRS ☐ OPA ☐ Yes ☒ No					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-g below according to the building diagram specified in Item A7.

Benchmark Utilized ACOE SAF-20 Vertical Datum NGVD-29

Conversion/Comments _____

Check the measurement used.

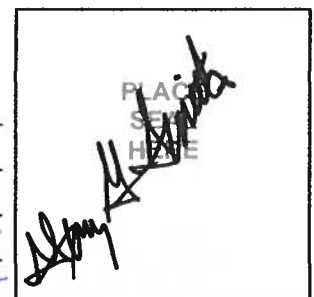
a) Top of bottom floor (including basement, crawl space, or enclosure floor)	<u>37.89</u> ☒ feet	☐ meters (Puerto Rico only)
b) Top of the next higher floor	<u>N/A</u> ☐ feet	☐ meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u> ☐ feet	☐ meters (Puerto Rico only)
d) Attached garage (top of slab)	<u>N/A</u> ☐ feet	☐ meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment in Comments)	<u>N/A</u> ☐ feet	☐ meters (Puerto Rico only)
f) Lowest adjacent (finished) grade (LAG)	<u>32.27</u> ☒ feet	☐ meters (Puerto Rico only)
g) Highest adjacent (finished) grade (HAG)	<u>33.28</u> ☒ feet	☐ meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

☒ Check here if comments are provided on back of form.

Certifier's Name Gerry G. Smith License Number PSM 4804
Title _____ Company Name PSM 4804
Address 601 SW Charles Terr. City Lake City State FL ZIP Code 32056
Signature Gerry G. Smith Date 6-5-06 Telephone 386-755-7945



24337

IMPORTANT: In these spaces, copy the corresponding information from Section A.			For Insurance Company Use:	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>Lot 4 Block 3 Wilson Springs Community Phase I-B</u>			Policy Number	
City <u>Wilson Springs Community</u>	State <u>Florida</u>	ZIP Code <u>32056</u>	Company NAIC Number	

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments the permanent benchmark used for this elevation certificate is a Corp of Engineers benchmark located approximately 300' from the subject parcel; near the Wilson Springs memorial stone.

Signature

Date

☐ Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawl space, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- b) Top of bottom floor (including basement, crawl space, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.
- E2. For Building Diagrams 6-8 with permanent flood openings provided in Section A Items 8 and/or 9 (see page 8 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E3. Attached garage (top of slab) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name

ROSEMARY C. & DANIEL S. LEE

Address 145 SW HAWCOCK CT City LAKE CITY State FL ZIP Code 32024

Signature Daniel S. Lee Date 6.7.6 Telephone 386-754-5558

Comments

☐ Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8. and G9.

- G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. ☐ The following information (Items G4.-G9.) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____ ☐ feet ☐ meters (PR) Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____ ☐ feet ☐ meters (PR) Datum _____

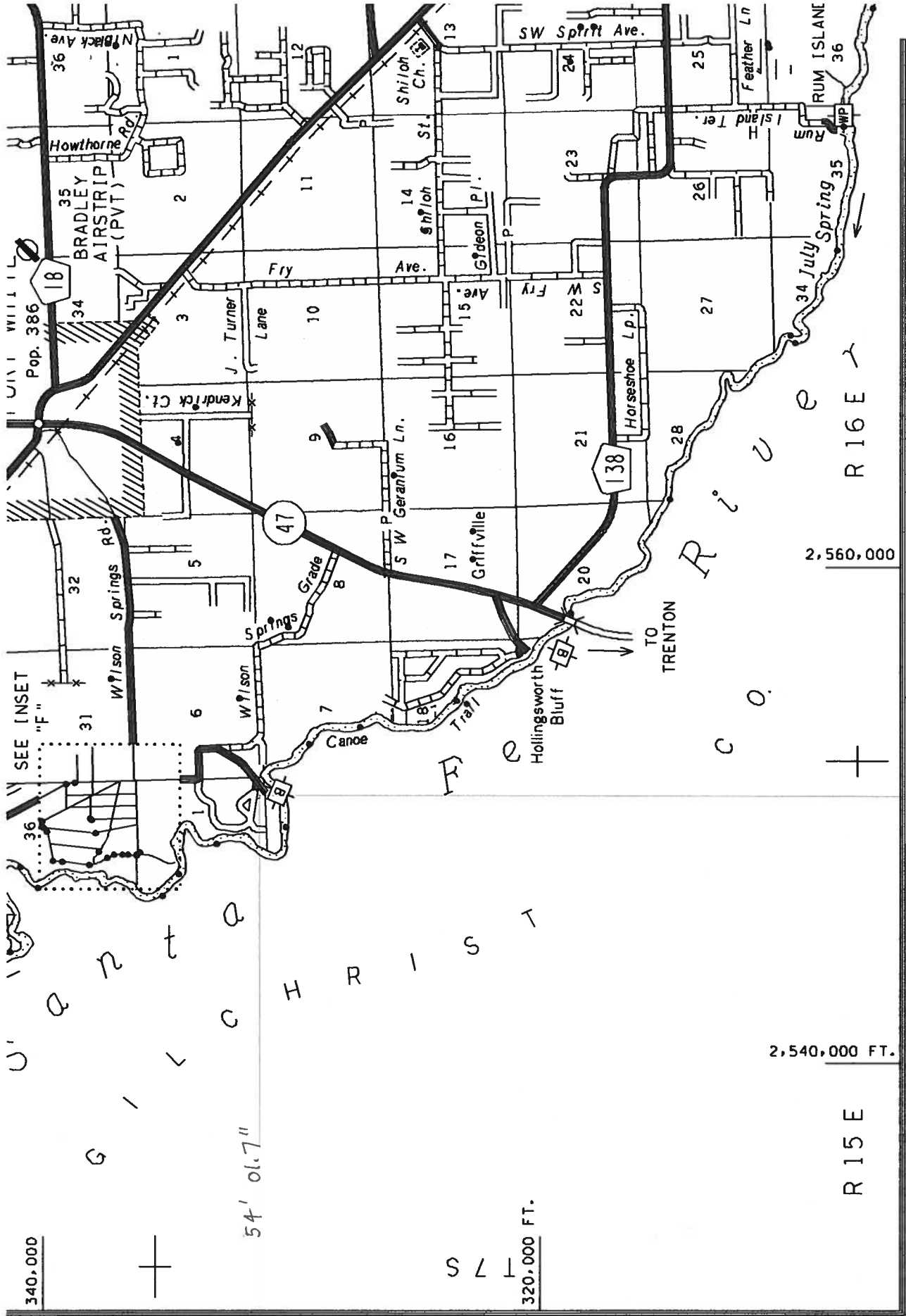
Local Official's Name _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

Comments

☐ Check here if attachments



MAP

COLUMBIA COUNTY FLORIDA

12

29°55'

29°50'

82°40' 2,580,000

41'

42'

43'

44'

82°45'

45' 45.5"

46'

47'

2,540,000 FT.

R 15 E

R 16 E

320,000 FT.

54' 01.7"



SOUTH

ZONE X

THE BIBLE

ZONE X

2001

GILCHRIST COUNTY

ZONE X

ZONE X

2

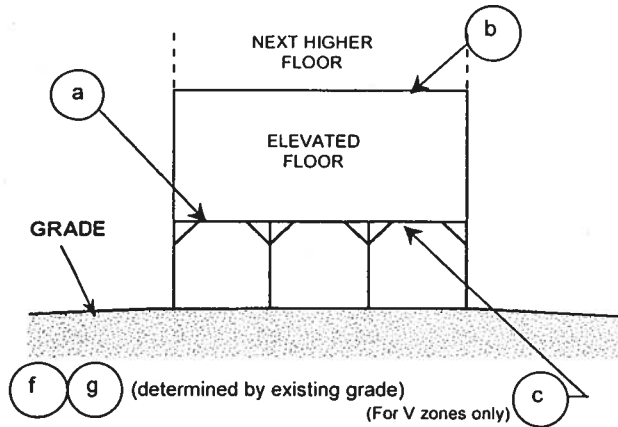
4

ZONE X

DIAGRAM 5

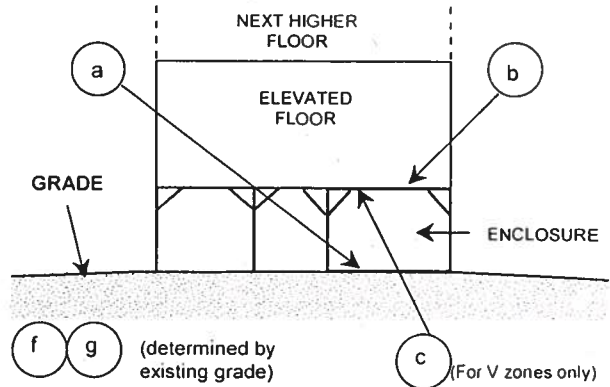
All buildings elevated on piers, posts, piles, columns, or parallel shear walls. No obstructions below the elevated floor.

Distinguishing Feature – For all zones, the area below the elevated floor is open, with no obstruction to flow of flood waters (open lattice work and/or readily removable insect screening is permissible).

**DIAGRAM 6**

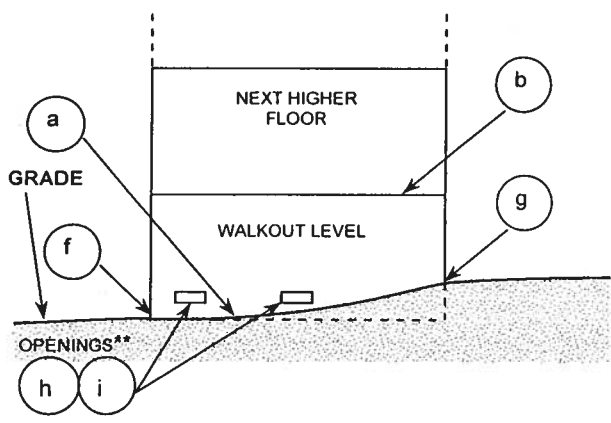
All buildings elevated on piers, posts, piles, columns, or parallel shear walls with full or partial enclosure below the elevated floor.

Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings** present in the walls of the enclosure. Indicate information about openings in Section C, Building Elevation Information (Survey Required).

**DIAGRAM 7**

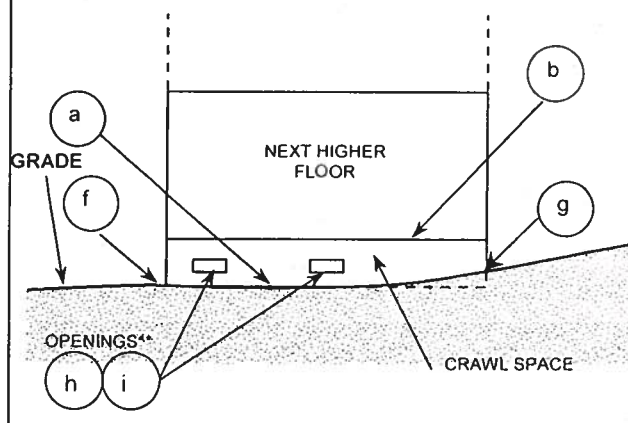
All buildings elevated on full-story foundation walls with a partially or fully enclosed area below the elevated floor. This includes walkout levels, where at least one side is at or above grade. The principal use of this building is located in the elevated floors of the building.

Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings** present in the walls of the enclosure. Indicate information about openings in Section C, Building Elevation Information (Survey Required).

**DIAGRAM 8**

All buildings elevated on a crawl space with the floor of the crawl space at or above grade on at least one side, with or without an attached garage.

Distinguishing Feature – For all zones, the area below the first floor is enclosed by solid or partial perimeter walls. In all A zones, the crawl space is with or without openings** present in the walls of the crawl space. Indicate information about the openings in Section C, Building Elevation Information (Survey Required).



** An "opening" (flood vent) is defined as a permanent opening in a wall that allows for the free passage of water automatically in both directions without human intervention. Under the NFIP, a minimum of two openings is required for enclosures or crawl spaces with a total net area of not less than one square inch for every square foot of area enclosed. Each opening must be on different sides of the enclosed area. If a building has more than one enclosed area, each area must have openings on exterior walls to allow floodwater to directly enter. The bottom of the openings must be no higher than one foot above the grade underneath the flood vents. Alternatively, you may submit a certification by a registered professional engineer or architect that the design will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening.



**SUWANNEE
RIVER
WATER
MANAGEMENT
DISTRICT**

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

GENERAL PERMIT

PERMITTEE:

DANIEL AND ROSEMARY LEE
145 SOUTHWEST HANCOCK COURT
LAKE CITY, FL 32024

PERMIT NUMBER: ERP05-0517

DATE ISSUED: 11/07/2005

DATE EXPIRES: 11/07/2008

COUNTY: COLUMBIA

TRS: S1/T7S/R15E

PROJECT: LEE WOD RESIDENCE

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

DANIEL AND ROSEMARY LEE
145 SOUTHWEST HANCOCK COURT
LAKE CITY, FL 32024

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

Construction of a single family residence adjacent to the Santa Fe River in Columbia County, including necessary land leveling and construction of associated water supply, wastewater system and private drive.

The house will be elevated on piles such that the lowest structural member of the first floor is at least one foot above the one hundred year flood elevation for this specific site. The area below the first floor will remain open and unobstructed except for piles and stairways. The existing dilapidated "1-story frame residence" as shown on the survey shall be removed.

All work will be completed pursuant to the conditions specified in District Rule 40B-4.3030 Florida Administrative Code and in a manner consistent with the site plan and application package submitted on October 17, 2005.

Zero Rise Floodway Study

Daniel and Rosemary Lee Property
Lot 4, Block 3 Wilson Springs Community, Phase 1B
Columbia County

The Lee's property is located on the north side of the Santa Fe River at River Mile 12.50. The property is located in the 100-year floodway of the River. A HEC-RAS analysis has been performed based on the HEC-2 deck obtained from the Suwannee River Water Management District. Duplicate and Proposed models depict the floodplain and floodway analyses and compare the stages for each condition. The Duplicate model is a replication of the HEC-2 deck.

The proposed model blocks all of the flow area in the vicinity of the proposed home. For modeling purposes it was assumed that the home would block 100' of the cross section for a length of 100'. The cross sections at River Miles 11.3 and 13.03 were interpolated to create a cross section at River Mile 12.50 (Exit Section). This cross section was then copied upstream 100 feet (XS 12.51 Downstream Face), upstream 200 feet (XS 12.52 Upstream Face), and upstream 300 feet (XS 12.53 Approach). Cross Sections 12.51 and 12.52 were modified by blocking all flow area between Ground Stations 13360 and 14460. The right top of bank in the model is at Ground Station 12858. Cross section plots are attached.

Comparison of the floodway elevations at the cross sections near the proposed fill indicates that the fill will not increase the floodway elevations (all elevation differences are less than 0.05 feet and round to 0.0 feet when considered to the nearest tenth of a foot). The fill placed on the property will cause zero rise in the floodway. Elevations from the duplicate and the proposed floodway models are summarized below.

Cross Section	Duplicate Floodway Elevation	Proposed Floodway Elevation
11.3	35.9	35.9
12.50 Exit	NA	36.1
12.51 Face	NA	36.1
12.52 Face	NA	36.1
12.53 Approach	NA	36.1
13.03	36.2	36.2
14.08	36.5	36.5
15.08	36.9	36.9

The proposed minimum finished floor elevation is elevation 37.1 feet NGVD 1929 vertical datum.


James M. Knight, P.E.
P.E. Number 47756

8725 - 288th Street
Branford, FL 32008
Phone 386-961-6595

Duplicate

HEC-RAS Plan: Imported Pla River: RIVER-1 Reach: Reach-1

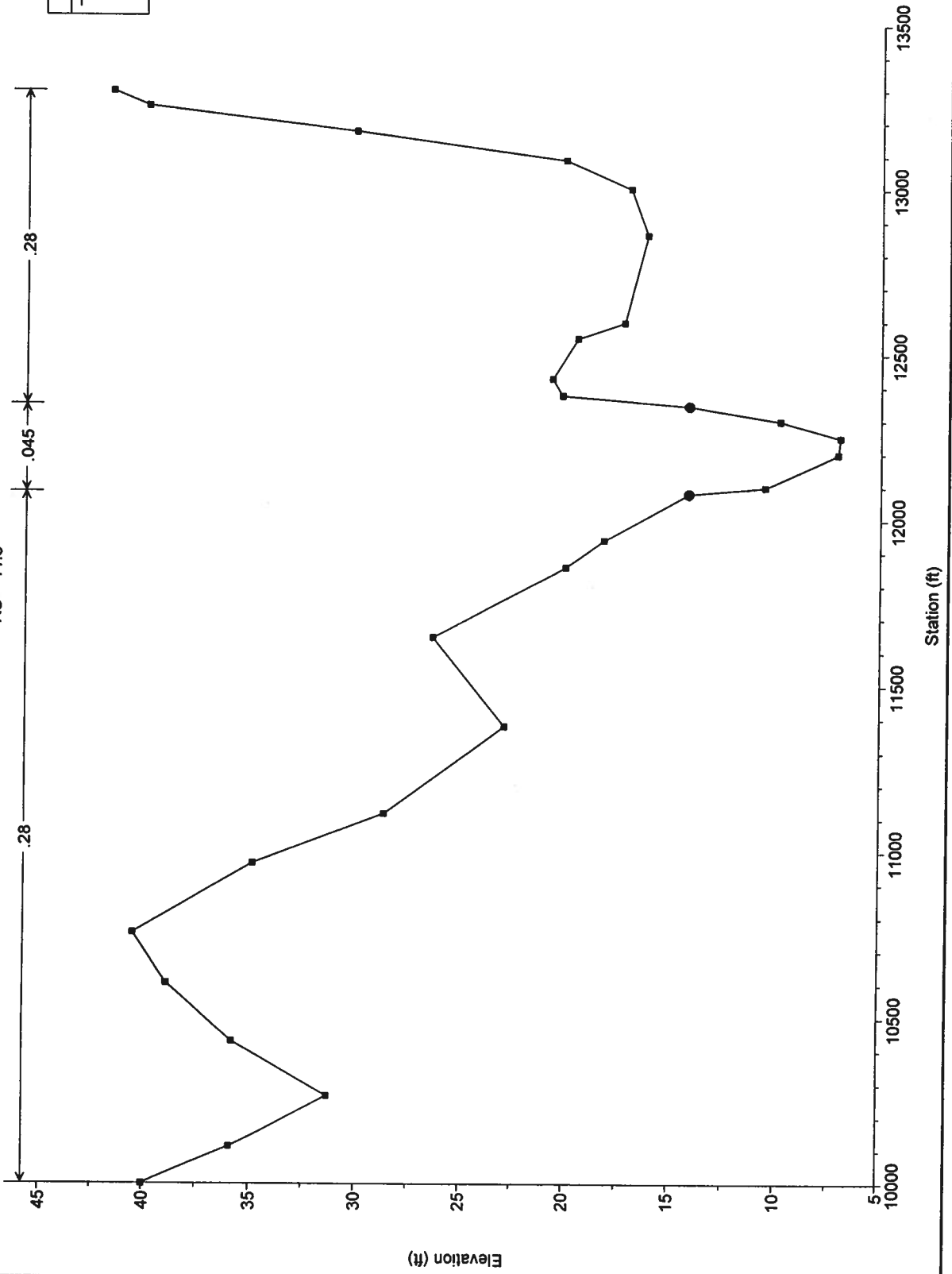
Reach	River Sta	Q Total (cfs)	Min Ch Elev (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach-1	15.66	16359.00	10.22	36.46		36.51	0.000071	2.23	36827.11	4939.44	0.08
Reach-1	15.66	16359.00	10.22	37.16		37.23	0.000080	2.41	22401.29	1743.00	0.09
Reach-1	15.08	16359.00	6.52	36.22		36.28	0.000078	2.26	26457.61	2538.06	0.09
Reach-1	15.08	16359.00	6.52	36.93		36.99	0.000074	2.24	22525.98	1643.00	0.08
Reach-1	14.08	16359.00	10.50	35.75		35.82	0.000096	2.51	28533.02	3172.50	0.09
Reach-1	14.08	16359.00	10.50	36.52		36.58	0.000080	2.35	25630.53	1883.00	0.09
Reach-1	13.03	16359.00	-5.45	35.43		35.47	0.000046	2.08	40415.37	3897.86	0.07
Reach-1	13.03	16359.00	-5.45	36.20		36.25	0.000051	2.23	28306.75	1832.00	0.07
Reach-1	11.3	16359.00	7.00	35.10		35.14	0.000035	1.71	33321.55	2515.89	0.06
Reach-1	11.3	16359.00	7.00	35.87		35.90	0.000034	1.72	28624.53	1615.00	0.06
Reach-1	10.06	16359.00	1.81	34.76		34.83	0.000070	2.44	21699.93	2585.04	0.08
Reach-1	10.06	16359.00	1.81	35.54		35.61	0.000064	2.38	17981.17	1217.00	0.08
Reach-1	8.43	16359.00	-1.00	34.25		34.31	0.000059	2.35	35529.14	5680.49	0.08
Reach-1	8.43	16359.00	-1.00	35.07		35.13	0.000055	2.32	25212.38	2099.00	0.07

Proposed

HEC-RAS Plan: Imported Pla River: RIVER-1 Reach: Reach-1

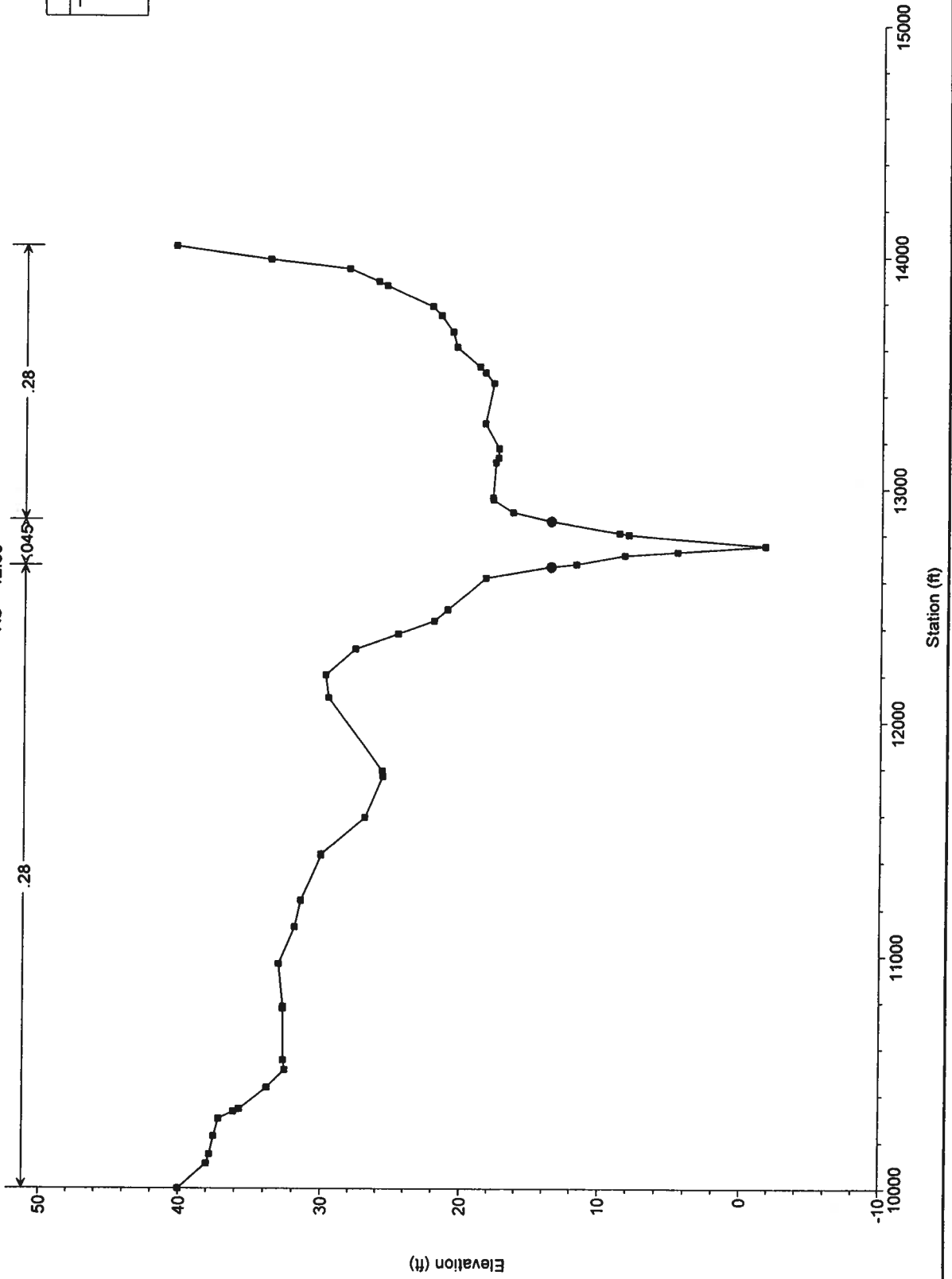
Reach	River Sta	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach-1	15.66	16359.00	10.22	36.46		36.51	0.000071	2.23	36818.71	4938.95	0.08
Reach-1	15.66	16359.00	10.22	37.16		37.23	0.000080	2.41	22399.08	1743.00	0.09
Reach-1	15.08	16359.00	6.52	36.22		36.28	0.000078	2.26	26453.08	2537.96	0.09
Reach-1	15.08	16359.00	6.52	36.93		36.99	0.000074	2.24	22523.81	1643.00	0.08
Reach-1	14.08	16359.00	10.50	35.75		35.82	0.000096	2.51	28526.78	3172.02	0.09
Reach-1	14.08	16359.00	10.50	36.52		36.58	0.000080	2.35	25627.85	1883.00	0.09
Reach-1	13.03	16359.00	-5.45	35.42		35.46	0.000047	2.08	40386.79	3897.60	0.07
Reach-1	13.03	16359.00	-5.45	36.18		36.24	0.000051	2.23	28287.13	1832.00	0.07
Reach-1	12.53	16359.00	-1.63	35.33		35.37	0.000043	1.99	37489.95	3632.88	0.07
Reach-1	12.53	16359.00	-1.63	36.09		36.13	0.000044	2.04	28497.41	1782.00	0.07
Reach-1	12.52	16359.00	-1.63	35.32		35.36	0.000046	2.04	35712.97	3532.08	0.07
Reach-1	12.52	16359.00	-1.63	36.08		36.13	0.000047	2.10	26699.85	1664.64	0.07
Reach-1	12.51	16359.00	-1.63	35.32		35.36	0.000046	2.04	35705.36	3531.98	0.07
Reach-1	12.51	16359.00	-1.63	36.08		36.13	0.000047	2.10	26697.61	1664.64	0.07
Reach-1	12.50	16359.00	-1.63	35.32		35.36	0.000043	1.99	37451.35	3632.27	0.07
Reach-1	12.50	16359.00	-1.63	36.08		36.12	0.000044	2.04	28525.47	1785.00	0.07
Reach-1	11.3	16359.00	7.00	35.10		35.14	0.000035	1.71	33321.55	2515.89	0.06
Reach-1	11.3	16359.00	7.00	35.87		35.90	0.000034	1.72	28624.53	1615.00	0.06
Reach-1	10.06	16359.00	1.81	34.76		34.83	0.000070	2.44	21699.93	2585.04	0.08
Reach-1	10.06	16359.00	1.81	35.54		35.61	0.000064	2.38	17981.17	1217.00	0.08
Reach-1	8.43	16359.00	-1.00	34.25		34.31	0.000059	2.35	35529.14	5680.49	0.08
Reach-1	8.43	16359.00	-1.00	35.07		35.13	0.000055	2.32	25212.38	2099.00	0.07

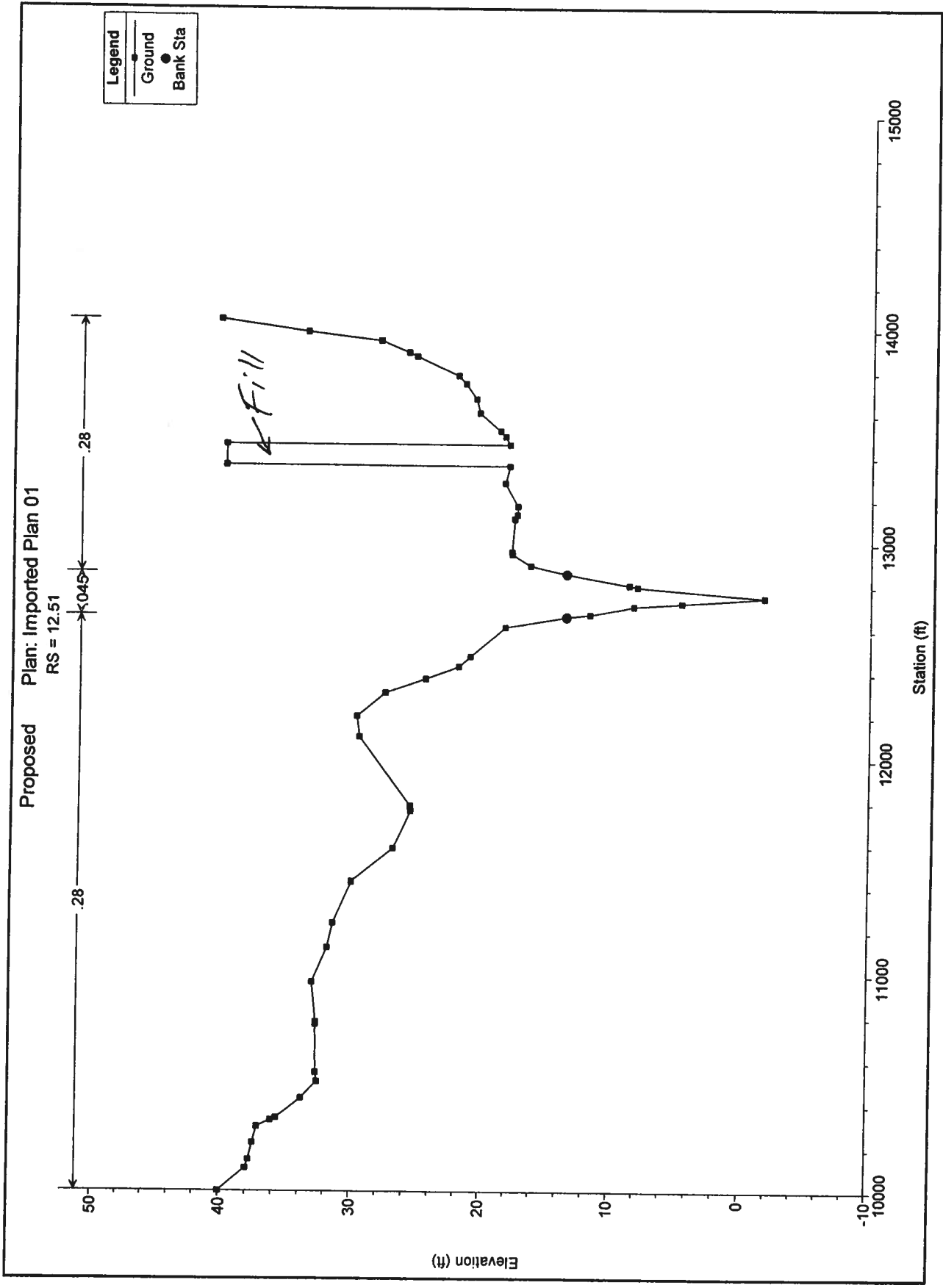
Proposed Plan: Imported Plan 01
RS = 11.3



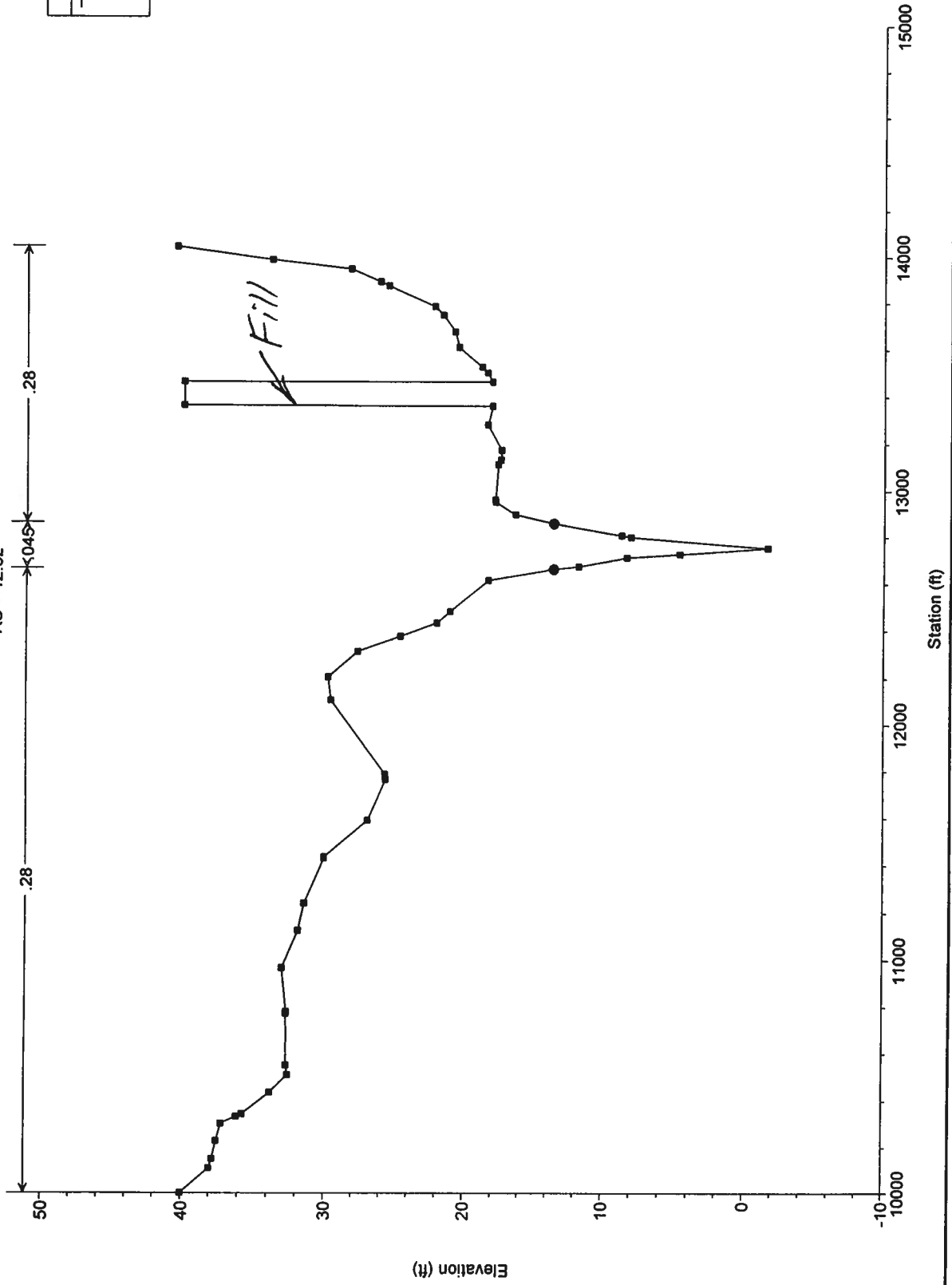
Proposed Plan: Imported Plan 01

RS = 12.50



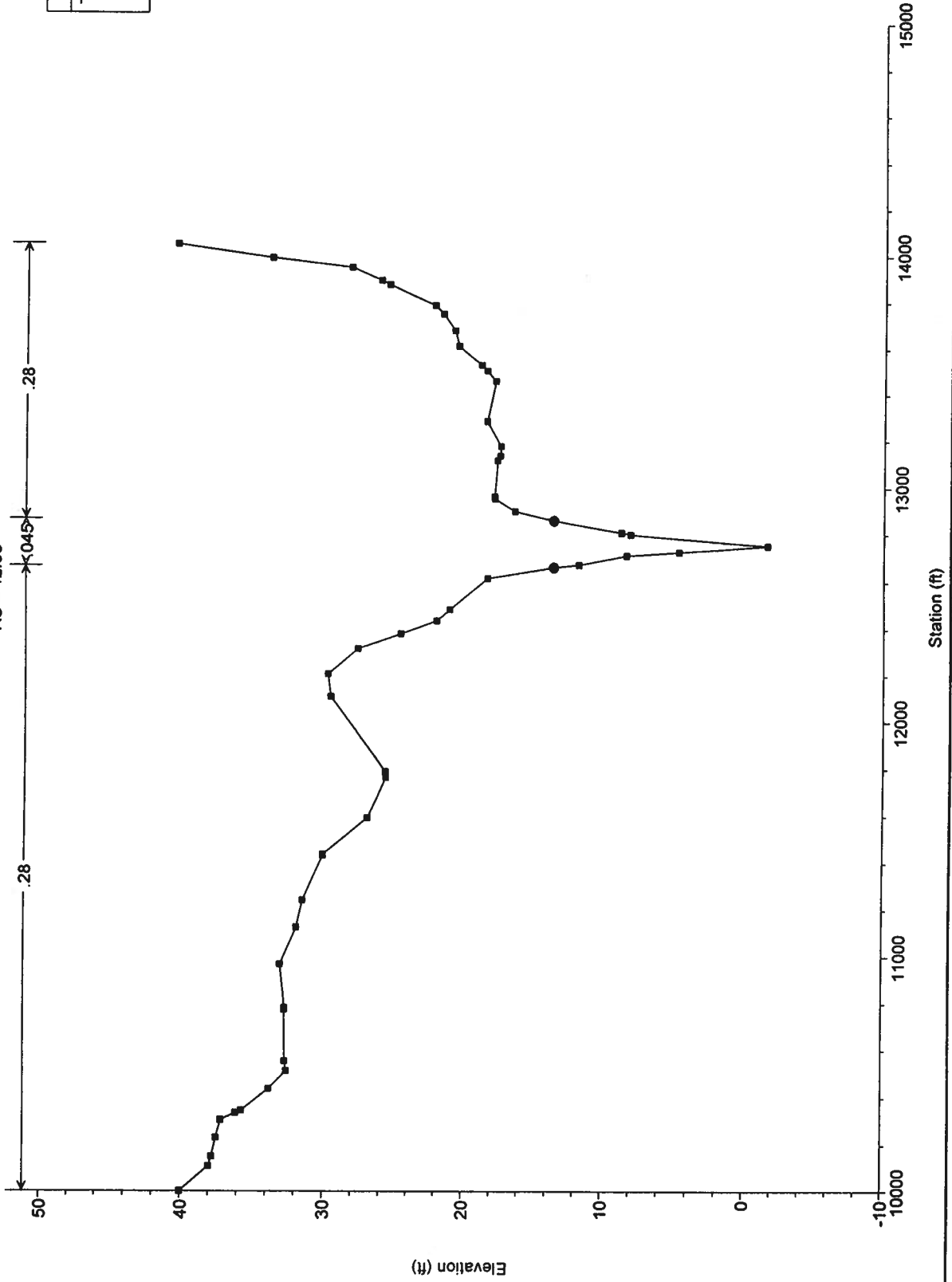
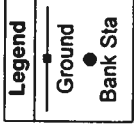


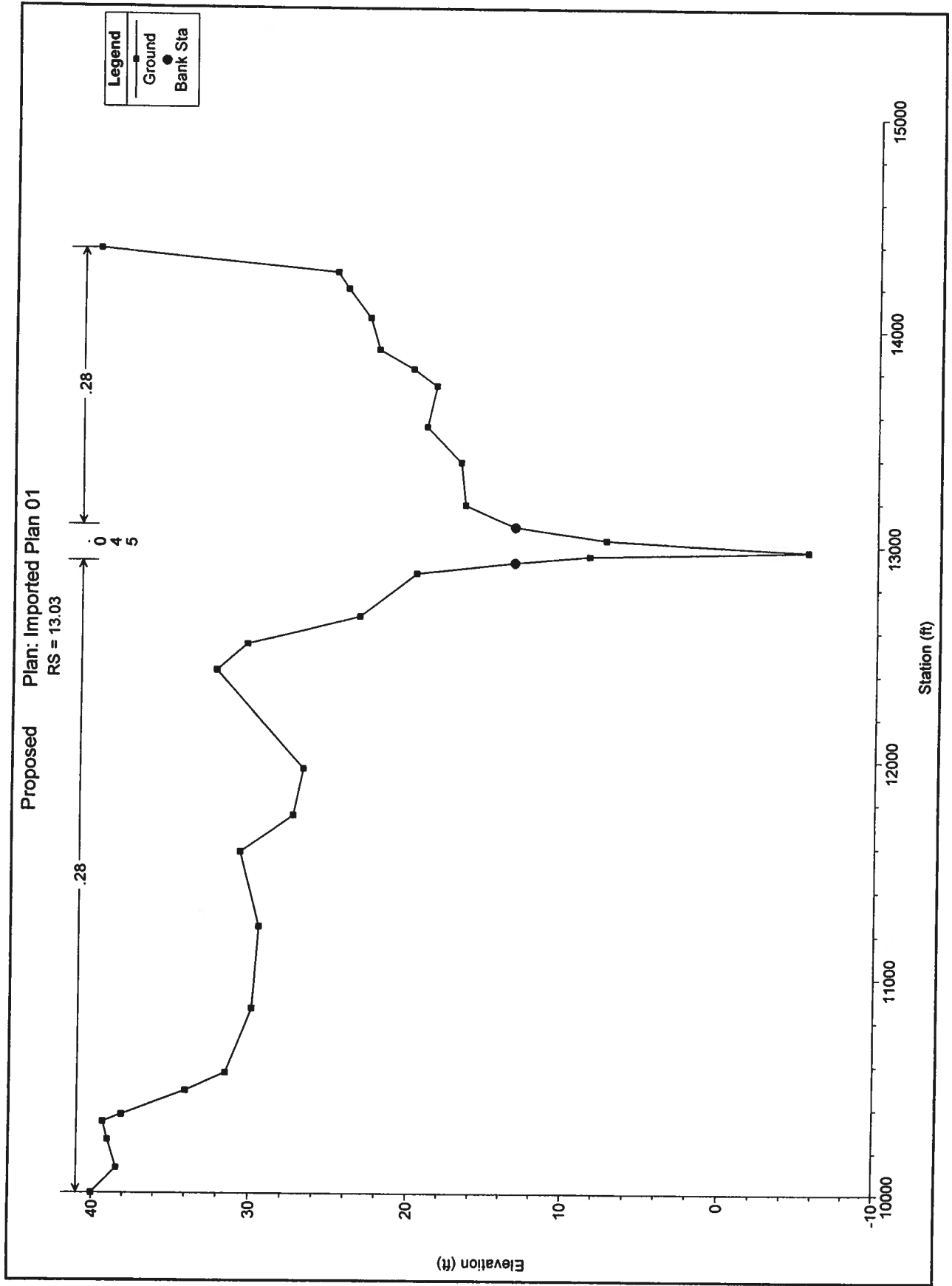
Proposed Plan: Imported Plan 01
RS = 12.52

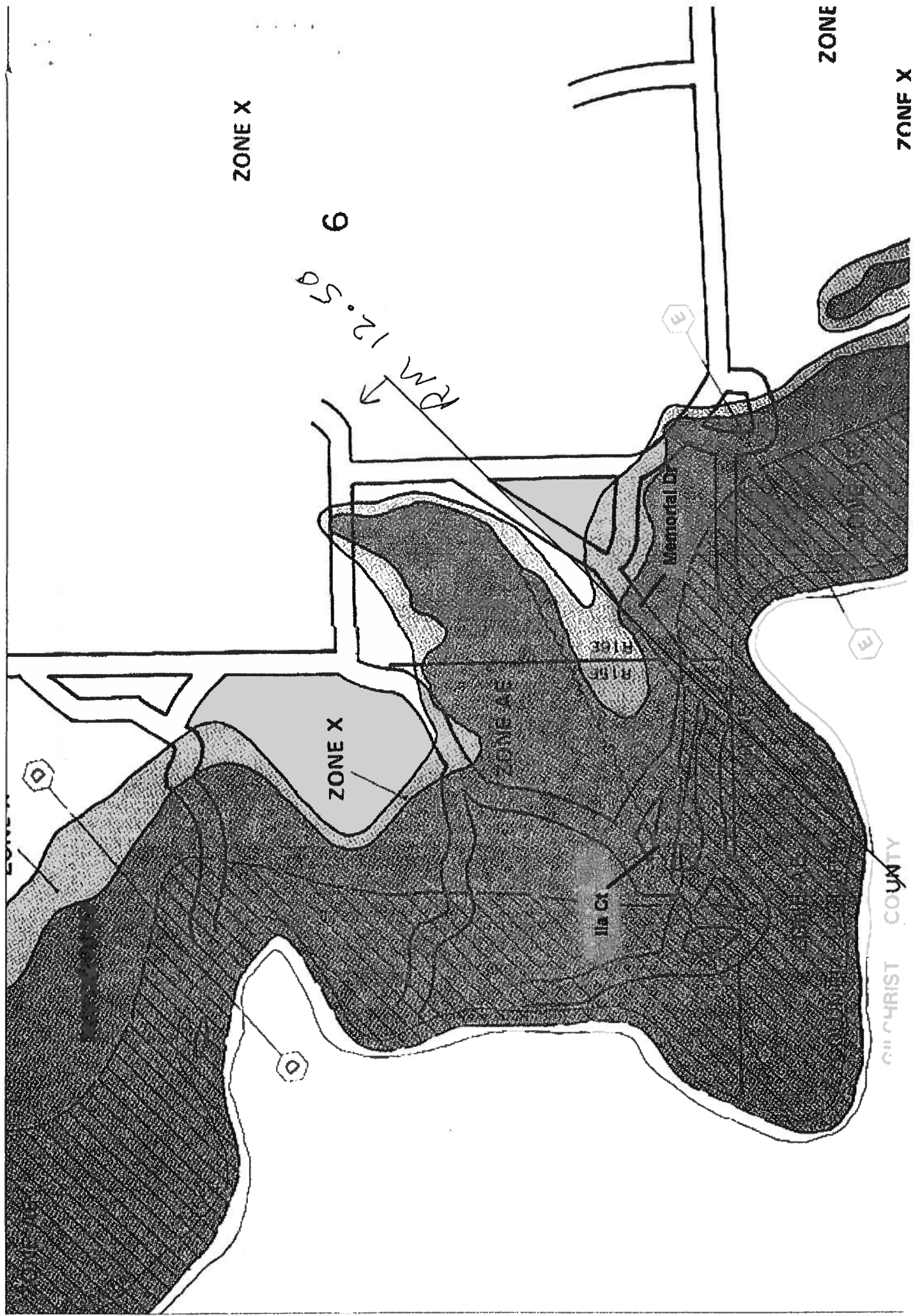


Proposed Plan: Imported Plan 01

RS = 12.53







District No. 1 - Ronald Williams
District No. 2 - Dewey Weaver
District No. 3 - Jody DuPree
District No. 4 - Stephen E. Bailey
District No. 5 - Scarlet P. Frisina



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

August 7, 2009

Mr. Gerry G. Smith
618 SW Charles Terr.
Lake City, FL 32056

Dear Mr. Smith:

On July 22, 2009 Insurance Services Office, Inc. conducted an audit of our Community Rating System as part of our requirements as a participating community in the National Flood Insurance Program.

Part of the audit consisted of a sampling of elevation certificates being reviewed. Attached is a copy of an elevation certificate that you completed as the surveyor. The copy is marked showing the errors that ISO, Inc. is requiring to be fixed.

I know that this is an inconvenience for you but if we do not correct these elevation certificates it will affect our community rating which will in turn increase the flood insurance premiums for residents of the county. We must return this information to ISO, Inc. no later than August 26, 2009.

The elevation certificates must be originals with original signature and seal.

If you have any questions, please give me a call.

Sincerely,

A handwritten signature in cursive script that reads "Connie F. Scott".

Connie F. Scott, CFM
CRS Coordinator

24337

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires February 28, 2009

Important: Read the instructions on pages 1-8.

SECTION A - PROPERTY INFORMATION		For Insurance Company Use:
A1. Building Owner's Name	<u>Daniel S. Lee</u>	Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	<u>Lot 4 Block 3 Wilson Springs Community</u>	Company NAIC Number
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)	<u>Wilson Springs Community Phase 1-2</u>	ZIP Code
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)	<u>Residential</u>	
A5. Latitude/Longitude: Lat. <u>32° 45' 45.5"</u> Long. <u>82° 54' 01.7"</u>	Horizontal Datum: ☐ NAD 1927 ☒ NAD 1983	
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number <u>5</u>		
A8. For a building with a crawl space or enclosure(s), provide:		A9. For a building with an attached garage, provide:
a) Square footage of crawl space or enclosure(s) _____ sq ft		a) Square footage of attached garage _____ sq ft
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade _____		b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____
c) Total net area of flood openings in A8.b _____ sq in		c) Total net area of flood openings in A9.b _____ sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
<u>Columbia Co. 120070</u>	<u>Columbia</u>	<u>Florida</u>
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date
<u>120070</u>	<u>02555</u>	<u>Jan. 6 - 88</u>
B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AD, use base flood depth)
<u>Jan. 6 - 88</u>	<u>1A</u>	
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.		
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe) _____		
B11. Indicate elevation datum used for BFE in Item B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____		
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No		
Designation Date _____ ☐ CBRS ☐ OPA		

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete items C2.a-g below according to the building diagram specified in Item A7.

Benchmark Utilized ACOE SAIP-26 Vertical Datum 1988

Conversion/Comments _____

- Check the measurement used.
- | | | | |
|---|--------------|--|--|
| a) Top of bottom floor (including basement, crawl space, or enclosure floor) | <u>37.97</u> | ☒ feet | ☐ meters (Puerto Rico only) |
| b) Top of the next higher floor | <u>41.9</u> | ☐ feet | ☐ meters (Puerto Rico only) |
| c) Bottom of the lowest horizontal structural member (V Zones only) | <u>41.9</u> | ☐ feet | ☐ meters (Puerto Rico only) |
| d) Attached garage (top of slab) | <u>41.9</u> | ☐ feet | ☐ meters (Puerto Rico only) |
| e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment in Comments) | <u>41.9</u> | ☐ feet | ☐ meters (Puerto Rico only) |
| f) Lowest adjacent (finished) grade (LAG) | <u>32.25</u> | ☐ feet | ☐ meters (Puerto Rico only) |
| g) Highest adjacent (finished) grade (HAG) | <u>33.25</u> | ☐ feet | ☐ meters (Puerto Rico only) |

Complete C2 elevation

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

☒ Check here if comments are provided on back of form.

Certifier's Name	<u>PSM 4804</u>
Title	License Number
Company Name	
Address	City
State	ZIP Code
Signature	Date
Telephone	

[Handwritten signature]

**Columbia County Building Department
Flood Development Permit**

**Development Permit
F 023- 06-011**

DATE 04/04/2006 BUILDING PERMIT NUMBER 000024337
APPLICANT ROSEMARY LEE PHONE 754-5558
ADDRESS 158 SW MONUMENT LANE FT. WHITE FL 32038
OWNER DANIEL S. & ROSEMARY C. LEE PHONE 754-5558
ADDRESS 158 SW MONUMENT LANE FT. WHITE FL 32038
CONTRACTOR RONNIE NORRIS PHONE 386.752.3871
ADDRESS 1004 S CHARLES TERRACE LAKE CITY FL 32024
SUBDIVISION WILSON SPRINGS COMMUNITY Lot 4 Block 3 Unit 3 Phase 1-B
TYPE OF DEVELOPMENT M/H/UTILITY PARCEL ID NO. 01-7S-15-04149-304

FLOOD ZONE AE BY BLK 1-6-88 FIRM COMMUNITY #. 120070 - PANEL #. 255 B
FIRM 100 YEAR ELEVATION 35.0' PLAN INCLUDED YES or NO
REQUIRED LOWEST HABITABLE FLOOR ELEVATION 36.0'
IN THE REGULATORY FLOODWAY YES or NO RIVER SANTAFE
SURVEYOR / ENGINEER NAME JAMES KNIGHT IPE. LICENSE NUMBER 47756

☐ ONE FOOT RISE CERTIFICATION INCLUDED

☒ ZERO RISE CERTIFICATION INCLUDED

☒ SRWMD PERMIT NUMBER ERP 05-0517
(INCLUDING THE ZERO RISE CERTIFICATION)

DATE THE FINISHED FLOOR ELEVATION CERTIFICATE WAS PROVIDED 6. 2006

INSPECTED DATE _____ BY _____

COMMENTS _____

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





**NORTH FLORIDA
WATER SYSTEMS, INC.**
11814 N.W. 202nd ST.
ALACHUA, FLORIDA 32615

NORTH FLORIDA Water Systems Inc. will install per Florida
Building Code

4" well

1 hp pump or larger, tank, 1 1/4" sch #80 pvc drop pipe and
all fittings

Robert C. Minahan

PH # 386-462-7867

FAX # 386-418-0732