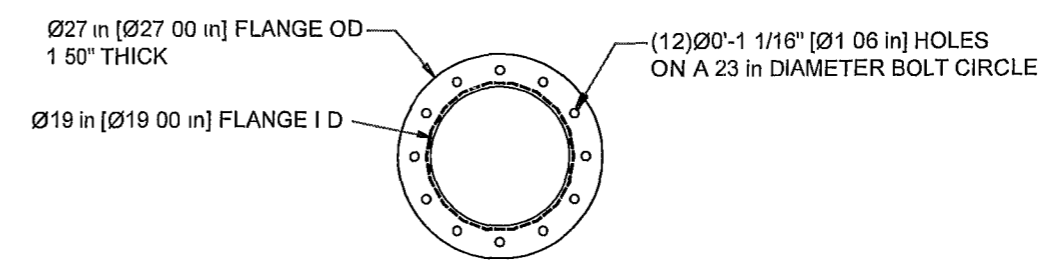
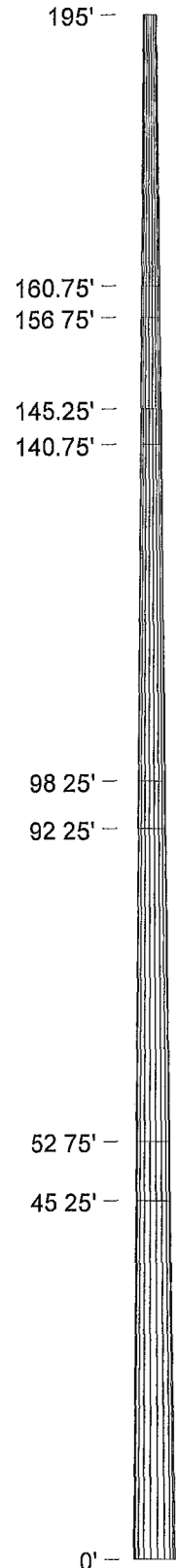
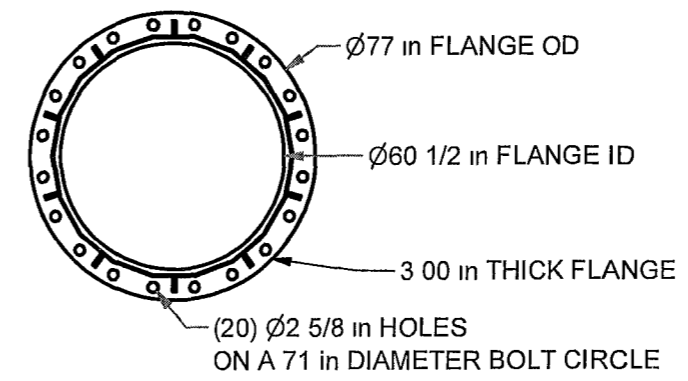


Pole Section Data

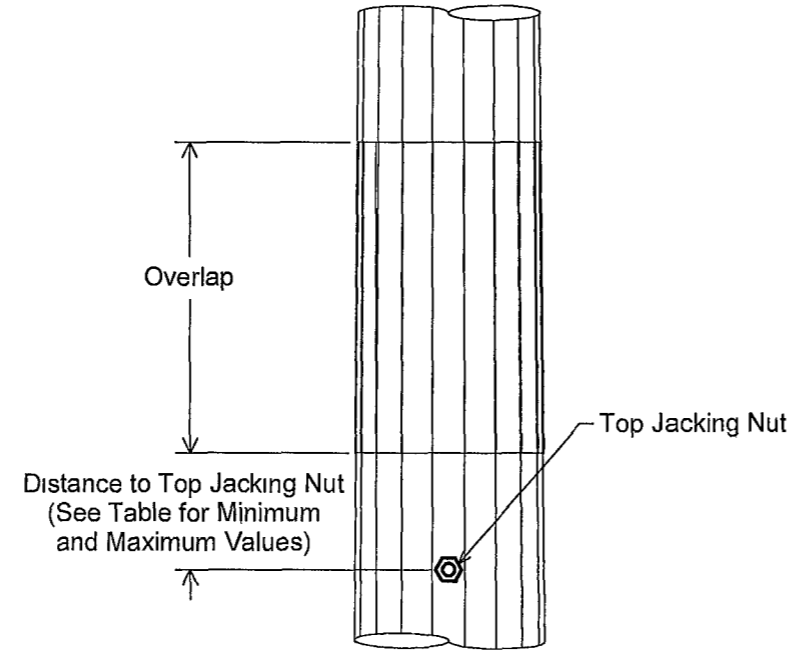
Section	Bottom Height (ft)	Top Height (ft)	Length (ft)	Number of Sides	Bottom OD (in)	Top OD (in)	Wall Thickness (in)	Material	Approximate Weight (lb)	Design Overlap (in)	Minimum Overlap (in)	Maximum Overlap (in)	Design Distance to Top Jacking Nut (in)	Maximum Distance to Top Jacking Nut (in)	Minimum Distance to Top Jacking Nut (in)
1	156.75	195	38.25	18	29.2671	20.0000	0.1875	A572-65	2190	48	43 1/8	52 13/16	15	19 7/8	10 3/16
2	140.75	160.75	20	18	32.5811	27.7355	0.2500	A572-65	1760	54	48 1/16	59 3/8	15	20 15/16	9 5/8
3	92.25	145.25	53	18	43.6440	30.8033	0.3125	A572-65	7200	72	64 1/2	79 3/16	15	22 1/2	7 13/16
4	45.25	98.25	53	18	54.2185	41.3778	0.3750	A572-65	11100	90	80 3/16	99	15	24 13/16	6
5	0	52.75	52.75	18	64.2441	51.4640	0.4375	A572-65	17280			0			



TOP FLANGE DETAIL



BASE FLANGE DETAIL



Pole Splice Detail

A jacking nut is placed near the top of each section which will have another section placed on top. The distance from this nut to the bottom of the next section must not exceed the value given in the column labeled "Maximum Distance to Top Jacking Nut."

Tower Reactions

No Ice
Shear 46.3 kips
Moment 6414.9 ft-kips
Weight 68.1 kips

COA# F08000004461 MAR 03 2014

TITLE
American Tower
NTP 64" X 195'
Ft White West FL - 282213
Columbia Co, FL

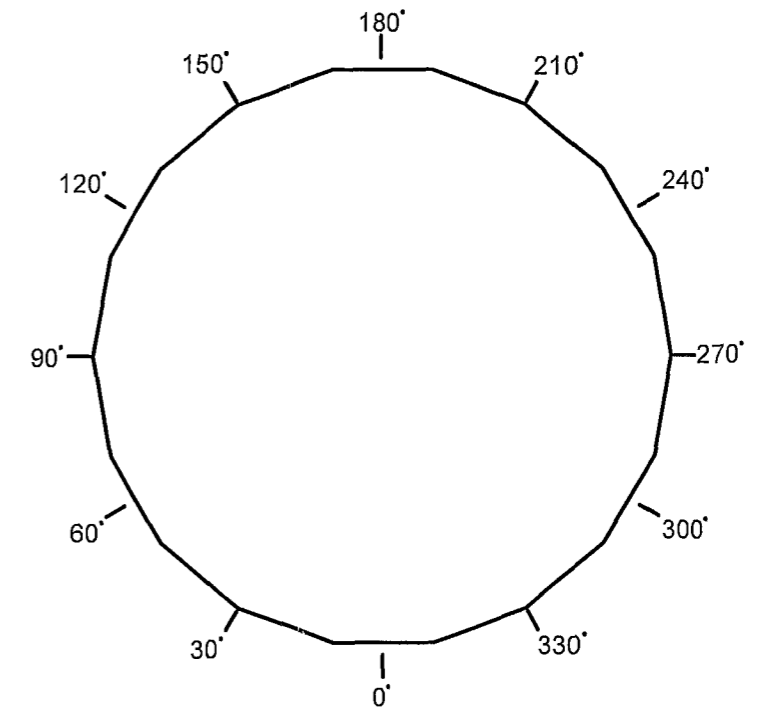
211 W Washington St., Suite 2000
South Bend, IN 46601-1705
Bus (574)288-3632
Fax: (574)288-5860

REV	BY	DATE	DESCRIPTION
1	NAL	3/3/2014	Revised Anchor Bolt per Foundation Requirement per ECO4834

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		DWG PROG v2.05	SHEET 1 OF 4

Portholes

Elevation (ft)	Qty	Size (in)	Azimuth (deg)
192	3	8 x 18	60, 180, 300
182	3	8 x 18	60, 180, 300
172	3	8 x 18	60, 180, 300
168	3	8 x 18	60, 180, 300
7.5	1	10 x 30	0
7.5	1	10 x 30	90
7.5	1	10 x 30	180
7.5	1	10 x 30	270



Step Bolts on This Side of Pole

Note

The azimuths referenced here are only to illustrate where the pole features are in relation to each other. The azimuths are not to indicate which cardinal direction the anchor bolts or the pole should be positioned.

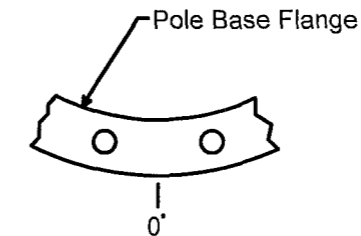
Pole Reference Azimuths

Antenna Loading

Height	Qty	Description
195'	1	80 sq.ft
185'	1	80 sq ft
175'	1	80 sq ft.
165'	1	80 sq ft

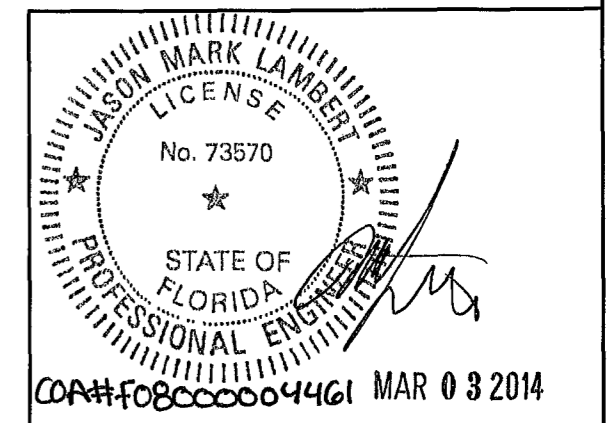
Feedline Loading

Height	Qty.	Description
0' - 195'	18	LDF7-50A (1-5/8 FOAM)
0' - 185'	18	LDF7-50A (1-5/8 FOAM)
0' - 175'	18	LDF7-50A (1-5/8 FOAM)
0' - 165'	18	LDF7-50A (1-5/8 FOAM)



Anchor Bolt Holes Are on Either Side of the 0 Degree Azimuth

Anchor Bolt Azimuth

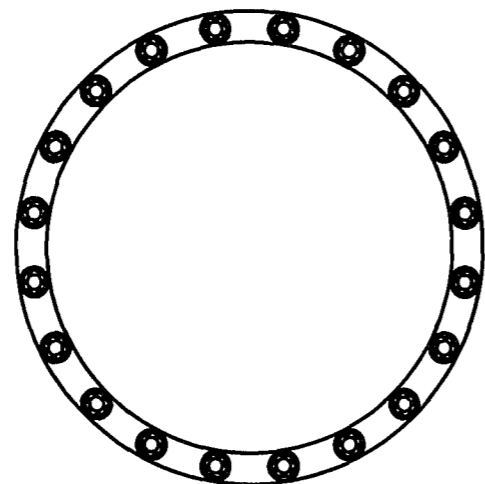


<p>TITLE American Tower NTP 64" X 195' Ft White West FL - 282213 Columbia Co , FL</p>		<p>211 W Washington St., Suite 2000 South Bend, IN 46601-1705 Bus (574)288-3632 Fax: (574)288-5860</p>
-------------------------------------------------------------------------------------------------------	--	------------------------------------------------------------------------------------------------------------------------

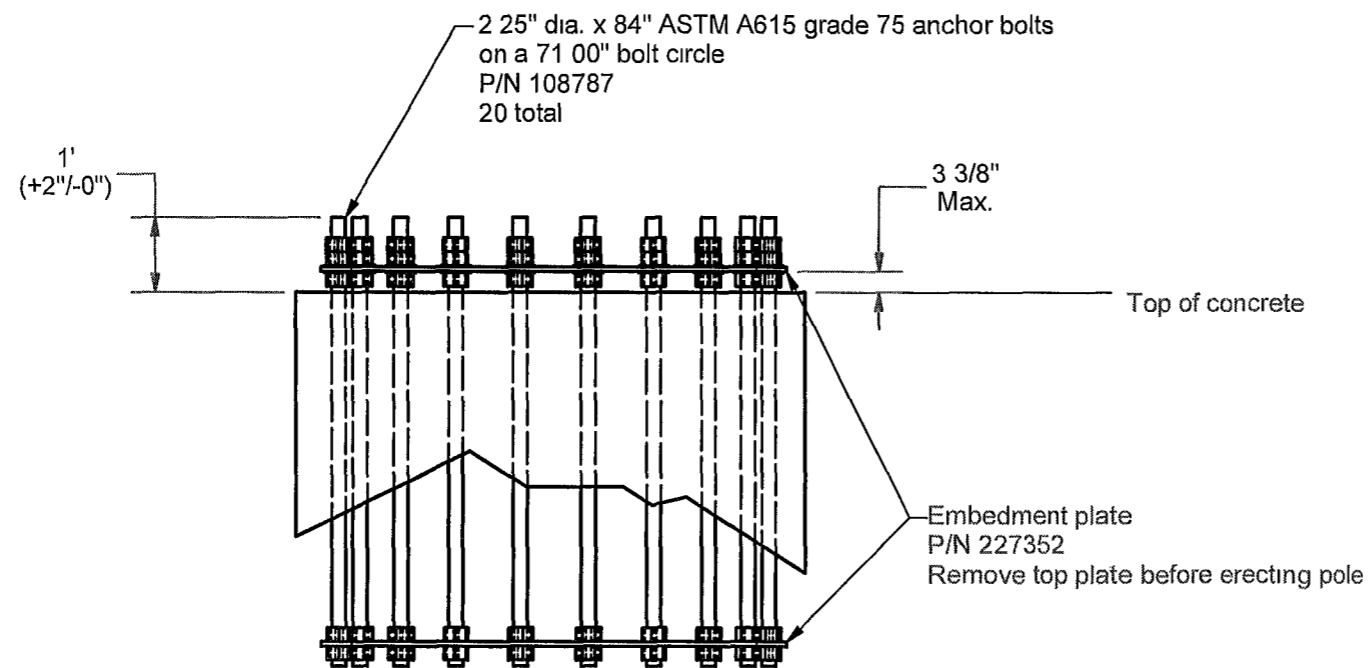
REV	BY	DATE	DESCRIPTION
1	NAL	3/3/2014	Revised Anchor Bolt per Foundation Requirement per ECO4834

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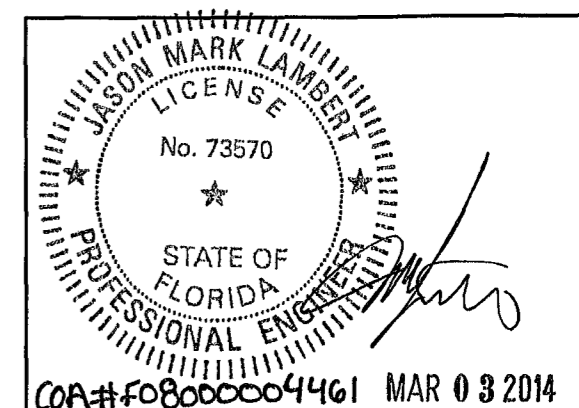
ORIG DATE.	2/21/2014	DWG NO	227349
DWG PROG	v2.05	SHEET	2 OF 4



PLAN VIEW



ANCHOR BOLT DETAIL



TITLE American Tower NTP 64" X 195' Ft White West FL - 282213 Columbia Co , FL		 NELLO CORPORATION 211 W Washington St., Suite 2000 South Bend, IN 46601-1705 Bus (574)288-3632 Fax. (574)288-5860
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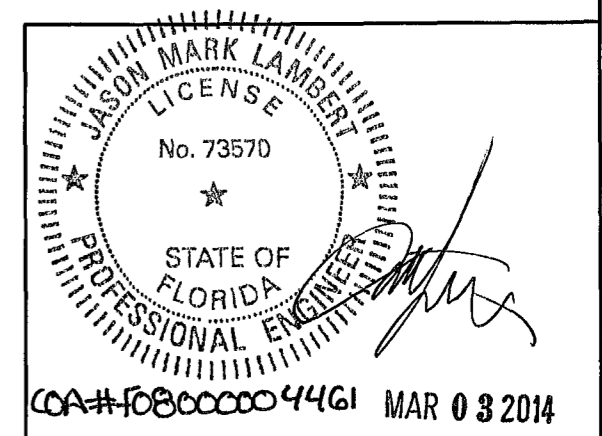
REV	BY	DATE	DESCRIPTION
1	NAL	3/3/2014	Revised Anchor Bolt per Foundation Requirement per ECO4834

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ORIG DATE	2/21/2014	DWG NO	227349
DWG PROG	v2 05	SHEET	3 OF 4

Tower Notes:

1. Tower is designed per TIA-222-G, "Structural Standard for Antenna Supporting Structures and Antennas," for the following loading conditions
 105 mph 3-second gust basic wind speed with no ice (Equivalent to 135 mph 3-second gust ultimate design wind speed)
 Structure Class II
 Exposure Category: C
 Topographic Category: 1
2. Tower is designed per the 2010 Florida Building Code for the following loading conditions
 105 mph 3-second gust basic wind speed with no ice for risk category II
3. Tower design loading is assumed to be based on site-specific data and must be verified by others prior to installation
4. Tower design includes the antennas, dishes, and/or lines listed in the appurtenance loading tables on sheet 2.
5. Antenna mounting pipes may need to be field cut to match the lengths listed in the appurtenance loading tables on sheet 2
6. Tower member design does not include stresses due to erection since erection equipment and procedures are unknown. Tower installation shall be performed by competent and qualified erectors in accordance with TIA-222-G and OSHA standards and all applicable building codes.
7. Field connections shall be bolted. No field welds shall be allowed unless otherwise noted.
8. Structural bolts shall conform to ASTM A325, except for 1/2 inch diameter and smaller bolts, which shall conform to ASTM A449 or SAE J429 Grade 5
9. Structural steel and connection bolts shall be galvanized after fabrication in accordance with TIA-222-G
10. All high strength bolts shall be tightened to a "snug tight" condition as defined in the November 13, 1985, AISC "Specification for Structural Joints Using ASTM A325 or A490 Bolts "
11. Tower shall be marked and lighted in conformance with local building codes, FAA regulations, and TIA-222-G.
12. Tower shall be grounded in conformance with local building codes and TIA-222-G.
13. Allowable tolerance on as-built tower steel height is plus 1% or minus 1/2%
14. Maintenance and inspection shall be performed over the life of the structure in accordance with TIA-222-G
15. Material specifications:
 NTP 18-Sided Pole - ASTM A572 Grade 65
 Pole Flange - ASTM A572 Grade 50
 Pole Porthole Rim - ASTM A572 Grade 65
16. A jacking nut is placed near the top of each section which will have another section placed on top. The distance from this top jacking nut to the bottom of the next section must not exceed the value given in the column labeled "Maximum Distance to Top Jacking Nut ". Jacking may be required to achieve the proper overlap
17. The horizontal distance between the vertical centerlines at any two elevations shall not exceed 0.25 percent of the vertical distance between the two elevations. Measure early in the morning before the sunward side of the pole expands
18. Sections must be erected with the 0 degree azimuth lined up to ensure proper fit.
19. Remove anchor bolt template before erecting pole. Non-shrink grout may be placed under base flange after leveling pole. Drain holes must be provided if grouting
20. Concrete contractor shall be responsible for properly aligning anchor bolts and materials before and after placing concrete, regardless of whether an anchor bolt template is provided
21. All material that does not fall within an ASTM specification meets the requirements of ANSI/TIA-222-G section 5.4.2 Non Pre-Qualified Steel

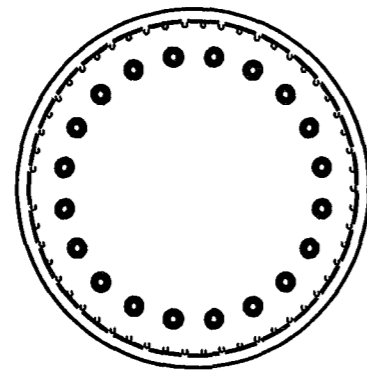


TITLE American Tower NTP 64" X 195' Ft White West FL - 282213 Columbia Co , FL	 NELLO CORPORATION 211 W Washington St , Suite 2000 South Bend, IN 46601-1705 Bus (574)288-3632 Fax (574)288-5860
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REV	BY	DATE	DESCRIPTION
1	NAL	3/3/2014	Revised Anchor Bolt per Foundation Requirement per ECO4834

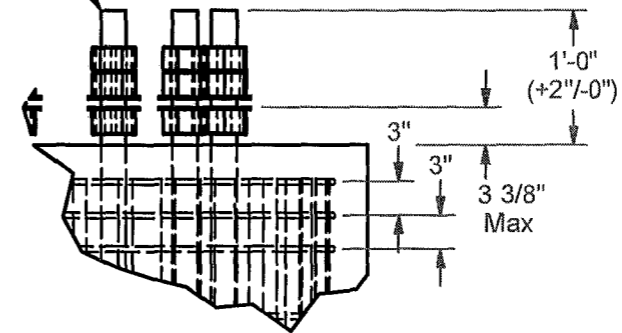
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ORIG DATE	2/21/2014	DWG NO	227349
DWG PROG	v2 05	SHEET	4 OF 4



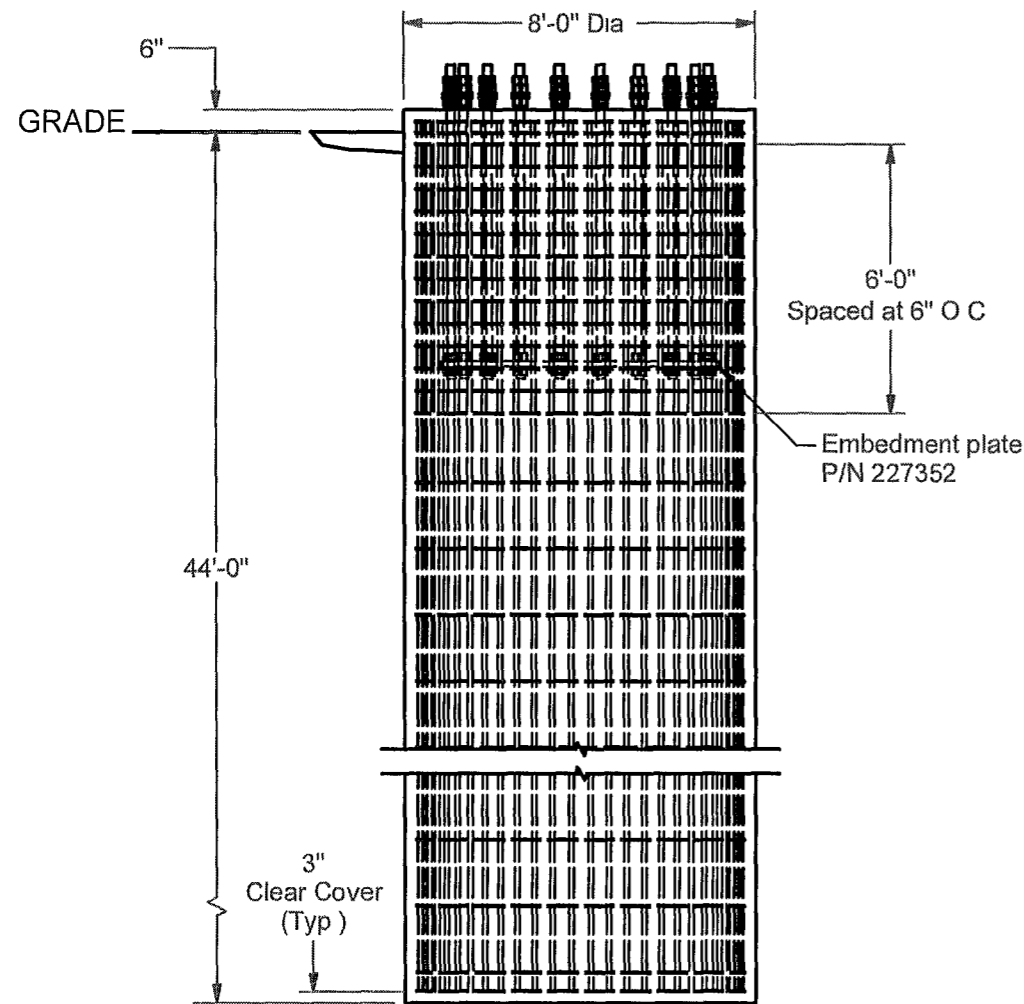
PLAN VIEW

2 25" dia x 84" ASTM A615
grade 75 anchor bolts,
P/N 108787
20 total

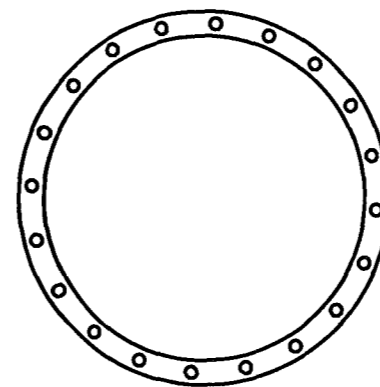


DETAIL ANCHOR BOLT DETAIL

324
352



MID-SECTION VIEW
DRILLED PIER FOUNDATION
(CONCRETE VOLUME: 82.8 CU. YD. TOTAL)

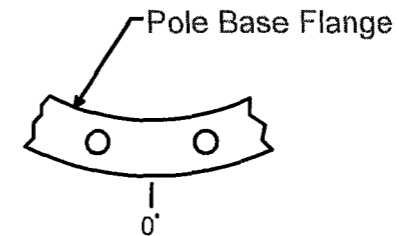


EMBEDMENT PLATE DETAIL

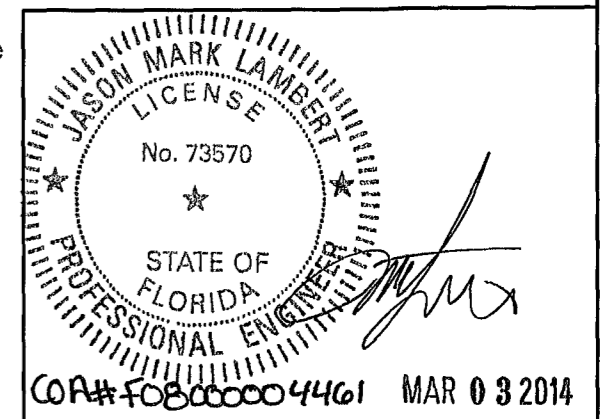
76 in EMBEDMENT PLATE O.D.
(20) 2-5/16" HOLES
ON A 71 in DIAMETER BOLT CIRCLE
66 in EMBEDMENT PLATE I.D.

#10 Reinforcing bars,
528" long
Equally spaced around inside of ties
54 Total

#4 Reinforcing ties,
296 2" long before being bent into circle with
90 00" outer diameter and 15 00" overlap
Top 3 ties spaced at 3"
Next 12 ties spaced at 6"
Bottom 2 ties spaced at 5"
Remainder of ties equally spaced at 17 75"
41 Total



Anchor Bolt Azimuth



TITLE	American Tower	 NELCO CORPORATION 211 W Washington St Suite 2000 South Bend, IN 46601-1705 Bus (574)288-3632 Fax: (574)288-5860
	NTP 64" x 195' Ft White West FL - 282213 Columbia Co , FL	

REV	BY	DATE	DESCRIPTION

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	DWG PROG v2.1	SHEET 1 OF 2

Foundation Notes

1. This foundation has been designed for the following reactions.

Shear: 46.3 kips
 Moment: 6414.9 ft-kips
 Weight: 68 1 kips

2. Foundation designed per geotechnical report dated 01/28/2014, by EGSci Consulting, Inc., project number 10579344 Fort White West

3 A field inspection shall be performed in order to verify that the actual site soil parameters meet or exceed the assumed soil parameters and that the depth of standard foundations are adequate based on the frost penetration and groundwater depth. Local frost depth must be no deeper than the bottom of the base foundation.

4 Reinforcement shall be deformed and conform to the requirements of ASTM A615 Grade 60 unless otherwise noted Splices in reinforcement shall not be allowed unless otherwise noted.

5 Welding is prohibited on reinforcing steel and anchorage.

6 Structural backfill must be compacted in 8" loose lifts to a 98% of maximum dry density at optimum moisture content in accordance with ASTM D698. Backfill must be clean and free of organic and frozen soils and foreign materials Fill should be compacted at water content within 2 percent of optimum.

7 Foundation designs assume level ground at tower site

8 Loose material shall be removed from bottom of excavation prior to concrete placement

9. Concrete cover from exposed surface of concrete to surface of reinforcement shall not be less than 3"

10 Concrete and reinforcement installation must conform to ACI 318, "Building Code Requirements for Structural Concrete "

11 Concrete shall develop a minimum compressive strength of 4000 psi in 28 days.

12 Concrete shall be placed as soon as practical after excavating to avoid disturbance of bearing and side wall surfaces.

13 Concrete contractor shall be responsible for properly aligning anchor bolts and materials before and after placing concrete, regardless of whether an anchor bolt template is provided.

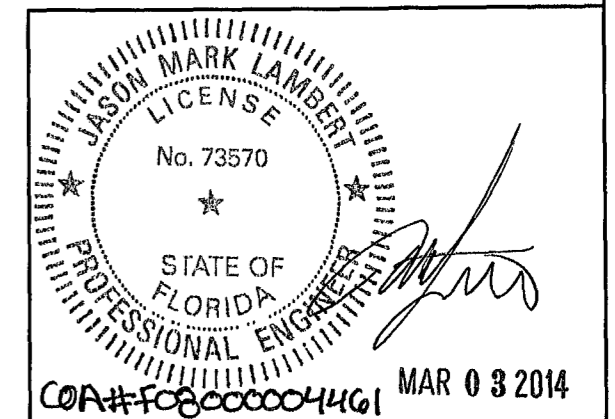
14. Positive drainage shall be maintained during construction and throughout the life of the facility to minimize the potential for surface water infiltration

15 It shall be the contractor's responsibility to locate and prevent damage to any existing underground utilities, foundations or other buried objects that might be damaged or interfered with during construction of the foundation

16 Groundwater was encountered at 38.5 feet bgs during the geotechnical investigation. Dewatering techniques should be anticipated below this depth

17 Temporary steel casing or drilling slurry may be required for installation of the drilled piers Permanent casing on drilled piers may not be used.

18 Concrete shall be placed by tremie methods if there is more than 1 inch of water or drilling fluid at the bottom of the shaft excavation or if water infiltration exceeds a rise of 1/4" per minute



TITLE American Tower NTP 64" x 195' Ft White West FL - 282213 Columbia Co , FL	 NELLO CORPORATION 211 W Washington St., Suite 2000 South Bend, IN 46601-1705 Bus (574)288-3632 Fax: (574)288-5860
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REV	BY	DATE	DESCRIPTION

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	DWG PROG v2.1	SHEET 2 OF 2

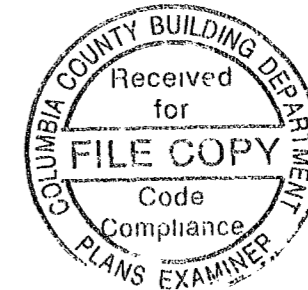


SITE NAME: FORT WHITE WEST
ATC SITE #282213

PROJECT TYPE: INSTALL NEW MONOPOLE TOWER, FENCED COMPOUND,
 UTILITY PAD MOUNT TRANSFORMER AND MULTI TENANT H-FRAME

FA NUMBER: 10579344

PROJECT LOCATION: 338 SW LENOX GLEN
 FORT WHITE, FL 32038 (29° 57' 12.96", -82° 45' 11.31")



PRINTED
 APR 15 2014

MORRISON HERSHFIELD CORP

ROBERT JERRY LARA
 REGISTERED ARCHITECT
 STATE OF FLORIDA
 AR92824

2	.	.
1	.	.
O	04/10/14	ISSUED FOR PERMIT
B	03/25/14	CLIENT REVIEW
A	03/12/14	CLIENT REVIEW
No.	Date	Action

Client:

American Tower Corp.
 750 Park of Commerce Blvd Suite 300
 Boca Raton FL 33487
 Phone: 561-995-0320
 www.americantower.com

1997 ANNAPOLIS EXCHANGE PKWY SUITE 200
 ANNAPOLIS MD 21401

Consultant:

MORRISON HERSHFIELD
 Two South University Drive, Suite 245,
 Plantation FL 33324
 Tel: 954.677.4655 Fax: 954.577.4656
 STATE OF FLORIDA CO# 00008508
 www.morrisonhershfield.com

Project:

FORT WHITE WEST
 10579344
 338 SW LENOX GLEN
 FORT WHITE, FL 32038

Drawing Title:

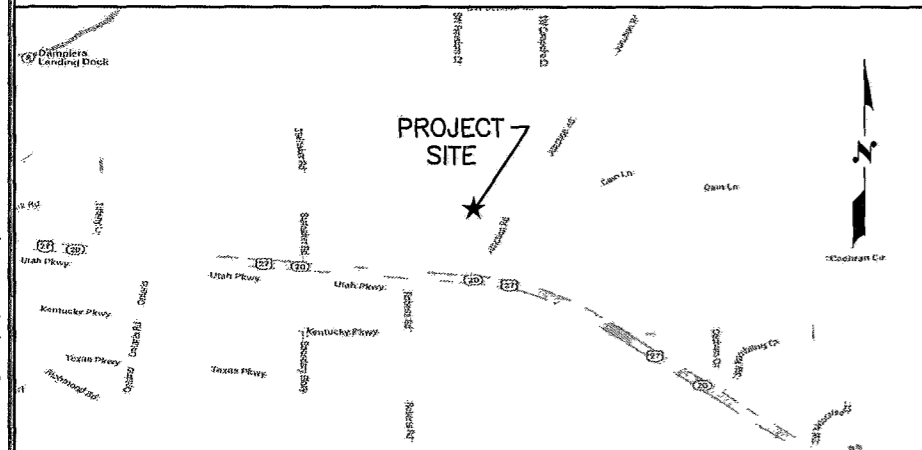
COMPOUND PLAN

Project No 7130037	
Designer LB	Date: 03/08/14
Drawn By DML/AR	Checked By LB
PM Review CM	Client Approval
Issue No 0	Drawing No. G-1

VICINITY MAP

SCOPE OF WORK

SITE INFORMATION



1 INSTALL NEW MONOPOLE TOWER, FENCED COMPOUND AND MULTI TENANT H-FRAME

1. JURISDICTION	COLUMBIA COUNTY
2. PARCEL #	19-6S-16-03869-105
3. ZONING	AGRICULTURAL/ AG3
4. FLUD	AG3
5. LATITUDE	29° 57' 12.96" N (29 954115)
6. LONGITUDE	-82° 45' 11.31" W (-82 7533449)

LIST OF DRAWINGS

CONTACT INFORMATION

G-1 COVER SHEET	0
G-2 GENERAL NOTES, ABBREVIATIONS AND PROJECT INFORMATION	0

PROPERTY OWNER WAYNE. N DESMARAIS
 265 SW LENOX GLEN
 FT WHITE, FL 32038

SURVEY

SURVEY (BY BRUNNER HAGEN DATED 11/25/13)

TOWER OWNER AMERICAN TOWER CORP
 750 PARK OF COMMERCE BLVD SUITE 300
 BOCA RATON, FL 33487
 PHONE 561-995-0320

ARCHITECTURAL	ISSUE
A-1 SITE PLAN	0
A-2 COMPOUND PLAN	0
A-3 TOWER ELEVATION AND DETAILS	0
A-4 SIGNAGE DETAIL	0
A-5 FENCE DETAILS	0
A-6 DETAILS	0

PROJECT MANAGER MELISSA ALLEN, SMARTLINK LLC
 1997 ANNAPOLIS EXCHANGE BLVD SUITE 200
 ANNAPOLIS, MD 21401
 PHONE 813-643-9638

ELECTRICAL	ISSUE
E-1 ELECTRICAL NOTES, LEGEND AND ABBREVIATIONS	0
E-2 ELECTRICAL PLAN AND RISER DIAGRAM	0
E-3 OVERALL SITE ELECTRICAL PLAN	0
E-4 GROUNDING PLAN AND NOTES	0
E-5 DETAILS	0

APPLICANT SAMANTHA SMITH (ss201g@att.com) 407-942-8657

CONSTRUCTION MANAGER MASTEC
 DANNY MABRY (Danny.Mabry@mastec.com) 770-653-5257

CONSULTING REPRESENTATIVE CURTIS MILLER
 MORRISON HERSHFIELD CORPORATION
 (941) 320-6843

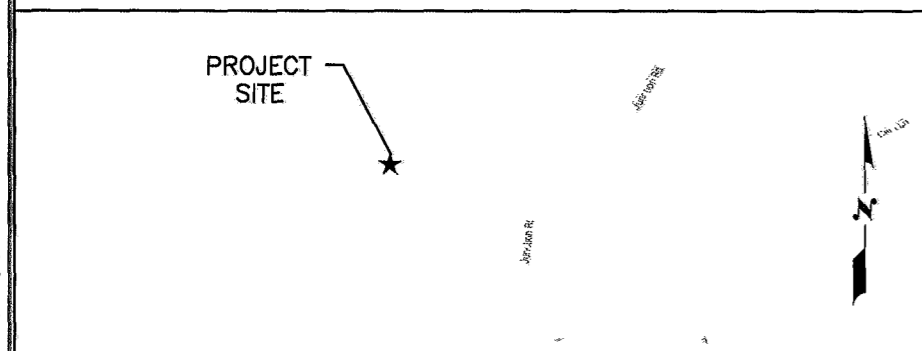
ARCHITECT OF RECORD ROBERT JERRY LARA
 REGISTERED ARCHITECT FL LIC # 92824
 MORRISON HERSHFIELD CORPORATION
 (954) 577-4655

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT CONDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES

- FLORIDA BUILDING CODE 2010 WIND DESIGN CRITERIA.
 A. ASCE 7-10 BASIC WIND SPEED= 122 MPH RISK CATEGORY= II EXPOSURE= C
- ANSI/EIA/TIA-222-G (ALLOWED PER EXEMPTION #5 OF 1809 1, FBC 2010)
 BASIC WIND SPEED= 95 MPH OCCUPANCY CATEGORY= II EXPOSURE= C IMPORTANCE FACTOR= 1.0
- FLORIDA FIRE PREVENTION CODE- 2010
- NATIONAL ELECTRICAL CODE (NFPA 70-2008)
- CITY AND/OR COUNTY ORDINANCES

LOCATION SKETCH



DRIVING DIRECTIONS

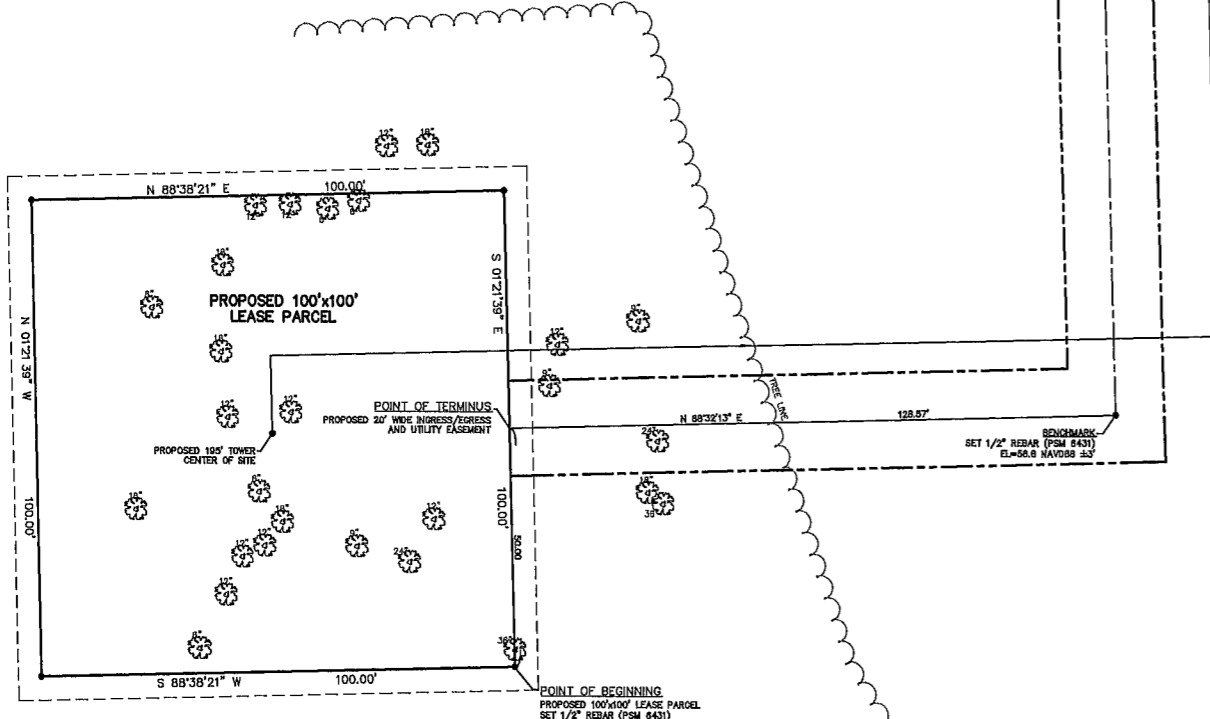
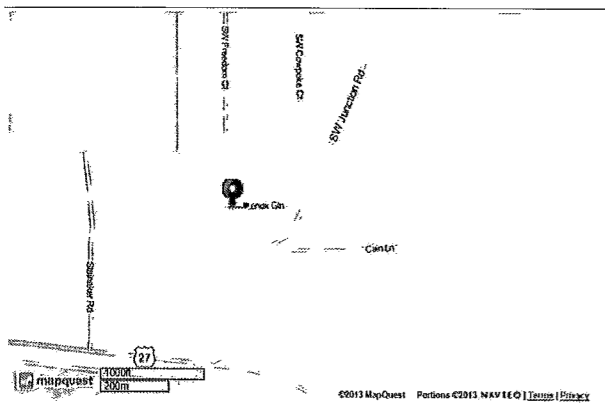
FROM OFFICE 750 PARK OF COMMERCE BLVD. SUITE 300 BOCA RATON, FL. 33487:
 HEAD WEST ON NW 186TH ST TOWARD W OKEECHOBEE RD TURN LEFT ONTO US-27 S/N OKEECHOBEE RD. TURN LEFT TO MERGE ONTO FL-821 N MERGE ONTO FL-821 N KEEP RIGHT AT THE FORK, FOLLOW SIGNS FOR ORLANDO/FLORIDA'S TURNPIKE N AND MERGE ONTO FLORIDA'S TURNPIKE MERGE ONTO I-75 N TAKE EXIT 399 FOR US-441 TOWARD ALACHUA/HIGH SPRINGS KEEP RIGHT AT THE FORK, FOLLOW SIGNS FOR HIGH SPGS AND MERGE ONTO FL-20 W/US-441 N/M L KING BLVD. MERGE ONTO FL-20 W/US-441 N/M L KING BLVD TURN LEFT ONTO FL-20 W/NE 1ST AVE TURN RIGHT ONTO JUNCTION RD. TURN LEFT

APPROVALS

APPROVED BY:		

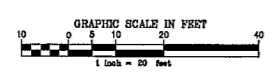
V:\Project\713 Series\7130037 AT&T Park\Drawings\7130037_FORT WHITE WEST CO'S REV 0 RAW\AND_041414.dwg 04/15/2014 8:07pm dfrice

LOCATION MAP
NOT TO SCALE



PROPOSED TOWER LOCATION INFORMATION
 LATITUDE = 29°37'12.00" NORTH (NAD83) ±1"
 LONGITUDE = 82°42'11.31" WEST (NAD83) ±1"
 MEAN SEA LEVEL AT CENTER OF SITE = 61 NAVD83 ±3"

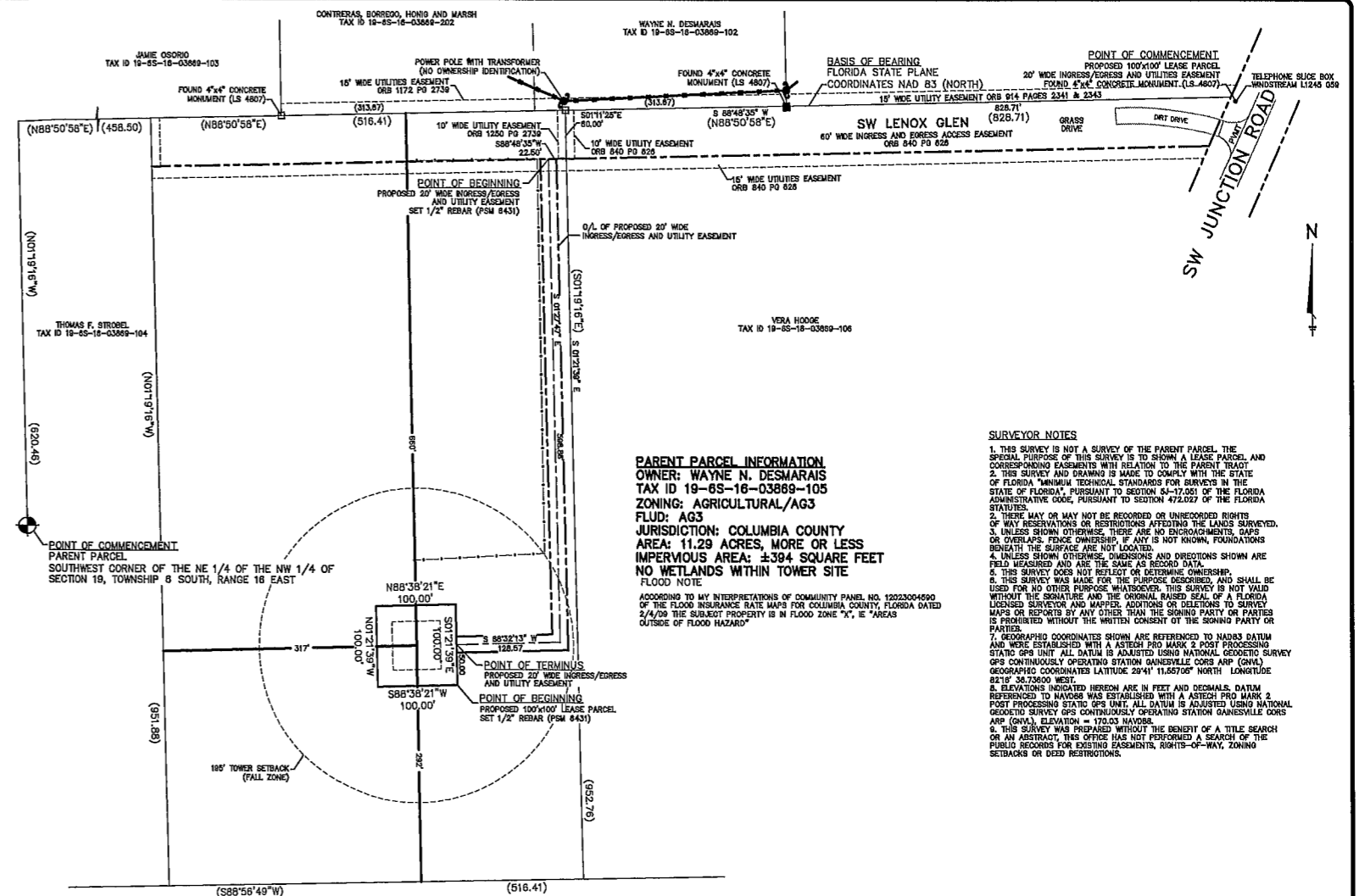
THIS SURVEY IS CERTIFIED TO AND SPECIFICALLY MADE FOR
 MORRISON HERSHFIELD
 DATE OF FIELD SURVEY AUGUST 20, 2013



DATE OF FIELD SURVEY	AUGUST 20, 2013
DATE	8/21/13
SCALE	1"=20'/100'
DATE	8/21/13
SCALE	1"=20'/100'
DATE	8/21/13
SCALE	1"=20'/100'

BRUNNER HAGEN
 LAND SURVEYORS
 CONSULTING ENGINEERS
 601 Carolin Street
 Melbourne, FL 32901
 phone (321)728-1961 fax (321) 728-1080
 info@brunner-hagen.com

MAP OF BOUNDARY SURVEY FOR
10579344 Fort White West
 Fort White, Florida

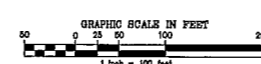


PARENT PARCEL INFORMATION
 OWNER: WAYNE N. DESMARAIS
 TAX ID 19-85-18-03869-105
 ZONING: AGRICULTURAL/AG3
 FLUD: AG3
 JURISDICTION: COLUMBIA COUNTY
 AREA: 11.29 ACRES, MORE OR LESS
 IMPERVIOUS AREA: ±394 SQUARE FEET
 NO WETLANDS WITHIN TOWER SITE
 FLOOD NOTE
 ACCORDING TO MY INTERPRETATION OF COMMUNITY PANEL NO. 12232004500 OF THE FLOOD INSURANCE RATE MAPS FOR COLUMBIA COUNTY, FLORIDA DATED 2/4/09 THE SUBJECT PROPERTY IS IN FLOOD ZONE "X", E "AREAS OUTSIDE OF FLOOD HAZARD"

SURVEYOR NOTES
 1. THIS SURVEY IS NOT A SURVEY OF THE PARENT PARCEL. THE SPECIAL PURPOSE OF THIS SURVEY IS TO SHOW A LEASE PARCEL, AND CORRESPONDING EASEMENTS WITH RELATION TO THE PARENT TRACT.
 2. THIS SURVEY AND DRAWING IS MADE TO COMPLY WITH THE STATE OF FLORIDA "MINIMUM TECHNICAL STANDARDS FOR SURVEYS IN THE STATE OF FLORIDA" PURSUANT TO SECTION 54-17.001 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 47.022 OF THE FLORIDA STATUTES.
 3. THERE MAY OR MAY NOT BE RECORDED OR UNRECORDED RIGHTS OF WAY RESERVATIONS OR RESTRICTIONS AFFECTING THE LANDS SURVEYED.
 4. UNLESS SHOWN OTHERWISE, THERE ARE NO ENCUMBRANCES, MAPS OR OVERLAPS, FENCE OWNERSHIP, IF ANY IS NOT KNOWN, FOUNDATIONS BENEATH THE SURFACE ARE NOT LOCATED.
 5. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
 6. THIS SURVEY WAS MADE FOR THE PURPOSE DESCRIBED, AND SHALL BE USED FOR NO OTHER PURPOSE WHATSOEVER. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO SURVEY MAPS OR RECORDS BY ANY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
 7. GEODATUM COORDINATES SHOWN ARE REFERENCED TO NAD83 DATUM AND WERE ESTABLISHED WITH A ASTECH PRO MARK 2 POST PROCESSING STATIC GPS UNIT ALL DATUM IS ADJUSTED USING NATIONAL GEODETIC SURVEY GPS CONTINUOUSLY OPERATING STATION GAINESVILLE CORS ARP (GNV1) GEODETIC COORDINATES LATITUDE 29°11'15.6700" NORTH, LONGITUDE 82°11'34.73600 WEST.
 8. ELEVATIONS INDICATED HEREON ARE IN FEET AND DECIMALS DATUM REFERENCED TO NAVD83 WAS ESTABLISHED WITH A ASTECH PRO MARK 2 POST PROCESSING STATIC GPS UNIT ALL DATUM IS ADJUSTED USING NATIONAL GEODETIC SURVEY GPS CONTINUOUSLY OPERATING STATION GAINESVILLE CORS ARP (GNV1) ELEVATION = 173.03 NAVD83.
 9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE SEARCH OR AN ABSTRACT. THIS OFFICE HAS NOT PERFORMED A SEARCH OF THE PUBLIC RECORDS FOR EXISTING EASEMENTS, RIGHTS-OF-WAY, ZONING SETBACKS OR DEED RESTRICTIONS.

DESCRIPTIONS
 PARENT PARCEL
 (OFFICIAL RECORDS BOOK 1250 PAGE 2739)
 LOT 5
 A PART OF THE EAST 1/2 OF THE NW 1/4 OF SECTION 19, TOWNSHIP 6 SOUTH, RANGE 16 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHWEST CORNER OF THE NE 1/4 OF SAID NW 1/4 AND RUN N 1 DEGREE 19'16" W, ALONG THE WEST LINE THEREOF, 620.49 FEET; THENCE N 88 DEGREES 50'58" E, 458.50 FEET FOR A POINT OF BEGINNING; THENCE CONTINUE N 88 DEGREES 50'58" E, 516.41 FEET; THENCE S 1 DEGREE 19'16" E, 952.76 FEET; THENCE S. 88 DEGREES 56'49" W, 516.41 FEET; THENCE N 1 DEGREE 19'16" E, 951.88 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA.
 SUBJECT TO AN INGRESS AND EGRESS EASEMENT OVER AND ACROSS THE NORTH 80.00 FEET THEREOF
 SUBJECT TO UTILITIES EASEMENT OVER AND ACROSS THE EAST 10.00 FEET AND THE WEST 10.00 FEET AND THE SOUTH 15.00 FEET OF THE NORTH 75.00 FEET THEREOF
 PROPOSED 100'x100' LEASE PARCEL
 (description prepared by this office)
 Being a 100 feet by 100 foot lease parcel of land in Section 19, Township 6 South, Range 16 East, Columbia County, Florida, said parcel lying within the bounds of the Wayne N Desmarais property as recorded in official records book 1250, page 2739, of the Public Records of Columbia County, Florida, and being more particularly described as follows:
 Commencing at an existing 4"x4" concrete monument (designated LB 4807), said monument being the Northeast corner of the Hodges property as recorded in official records book 840, page 626, proceed thence along said Hodges property North line South 88°48'35" West, (basis of bearing being Florida State Plane Coordinate NAD83 North zone), a distance of 828.71 feet to an existing 4"x4" concrete monument (designated LS 4708), said monument being the Northeast corner of the property which this is a part of thence along the East line of said property South 01°21'39" East, for a distance of 80.00 feet; thence South 88°48'35" West, for a distance of 22.50 feet; thence South 01°27'47" East, for a distance of 598.86 feet; thence South 88°32'13" West, for a distance of 128.57 feet; thence South 01°21'39" East, for a distance of 50.00 feet to a new 1/2" rebar (designated PSM 6431), the Point of Beginning; proceed thence South 88°38'21" West, for a distance of 100.00 feet to a new 1/2" rebar (designated PSM 6431); thence North 01°21'39" West, for a distance of 100.00 feet to a new 1/2" rebar (designated PSM 6431); thence North 88°38'21" East, for a distance of 100.00 feet to a new 1/2" rebar (designated PSM 6431); thence South 01°21'39" East, for a distance of 100.00 feet to the Point of Beginning.
 containing 0.23 acre, more or less or ±10,000 square feet

PROPOSED 20' WIDE INGRESS/EGRESS AND UTILITIES EASEMENT
 (description prepared by this office)
 Being a 20 wide ingress/egress and utilities easement crossing over under and through a parcel of land in Section 19, Township 6 South, Range 16 East, Columbia County, Florida, said easement within the bounds of the Wayne N. Desmarais property as recorded in official records book 1250, page 2739, of the Public Records of Columbia County, Florida, and lying within 10 feet of a center line being more particularly described as follows:
 Commencing at an existing 4"x4" concrete monument (designated LB 4807), said monument being the Northeast corner of the Hodges property as recorded in official records book 840, page 626, proceed thence along said Hodges property North line South 88°48'35" West, (basis of bearing being Florida State Plane Coordinate NAD83 North zone), a distance of 828.71 feet to an existing 4"x4" concrete monument (designated LS 4708), said monument being the Northeast corner of the property which this is a part of thence along the East line of said property South 01°21'39" East, for a distance of 80.00 feet; thence South 88°48'35" West, for a distance of 22.50 feet to the Point of Beginning; proceed thence along the center line of this easement South 01°27'47" East, for a distance of 598.86 feet to a point, thence along the center line of this easement South 01°21'39" East, for a distance of 128.57 feet to the Point of Beginning.
 containing 0.33 acre, more or less or ±14,549 square feet.



REVISED NO.	DATE	DESCRIPTION
4	11/13/13	COUNTY COMMENTS.
5	11/24/13	CORRECTED WEST SHELTER TIE-LINE.
1	9/4/13	LEASE PARCEL AND EASEMENT REVISED, TOWER LOCATION MOVED.
2	8/5/13	LEASE PARCEL AND EASEMENT REVISED, TOWER LOCATION MOVED.
3	8/11/13	ADDITIONAL TOPOGRAPHY AND TREES LOCATED WITHIN PROPOSED LEASE AREA.

LEGEND	SECTION
CL	CENTERLINE
PL	PLAT BOOK
FB	FACE OF PAVEMENT
OR	OFFICIAL RECORD BOOK
PA	PAGE
R/W	RIGHT OF WAY
OP	OVERHEAD WIRE
CP	CORNER MARKER RECOVERED AS NOTED
CM	CONCRETE MONUMENT
NS	SET 1/2" REBAR WITH CAP (PSM 6431)
NR	NAIL RECOVERED AS NOTED
PCP	PERMANENT CONTROL POINT
PO	POINT OF BEGINNING
PT	POINT OF TANGENCY
PR	POINT OF REVERSE CURVE
PC	POINT OF CURVING CURVE
PI	POINT OF INTERSECTION
CLP	CHAIN LINK FENCE
WF	WOOD FENCE
WVF	WAVE WIRE FENCE
A/O	AIR CONDITIONERS
ED	INDICATES RECORD DATA
EL	INDICATES GROUND ELEVATION
FLD	FUTURE LAND USE DESIGNATION
SD	SECTION
TS	TOWNSHIP
RNG	RANGE
NAD83	NATIONAL GEODETIC VERTICAL DATUM 1983
NAVD83	NORTH AMERICAN VERTICAL DATUM OF 1983
BM	BENCH MARK
CB	CONCRETE BLOCK
CM	CONCRETE
CP	CORNER MARKER RECOVERED AS NOTED
NS	ELEVATION (VERTICAL CONTROL)
PL	PUBLIC UTILITIES & DRAINAGE EASEMENT
FO	FOUND
IR	IRON PIPE
IR	IRON ROD
IR	IDENTIFICATION
PLS	PROFESSIONAL LAND SURVEYOR
RLS	REGISTERED LAND SURVEYOR
LS	LICENSED BUSINESS
L	LENGTH OF ARC
N/D	NAIL AND DISK
PM	PERMANENT CONTROL POINT
POB	POINT OF BEGINNING
R	RADIUS OF CURVE
AGL	ABOVE GROUND LEVEL
B/W	BOUNDARY

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APR 15 2014

MORRISON HERSHFIELD CORP

ROBERT JERRY LARA
REGISTERED ARCHITECT
STATE OF FLORIDA
AR92824

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1	.	.
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Client:

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smartlink

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Project:

FORT WHITE WEST
10579344
338 SW LENOX GLEN
FORT WHITE, FL 32038

Drawing Title:

SITE PLAN

Project No.

7130037

Designer:

LB

Date

03/06/14

Drawn By:

DML/AR

Checked By:

LB

PM Review:

CM

Client Approval

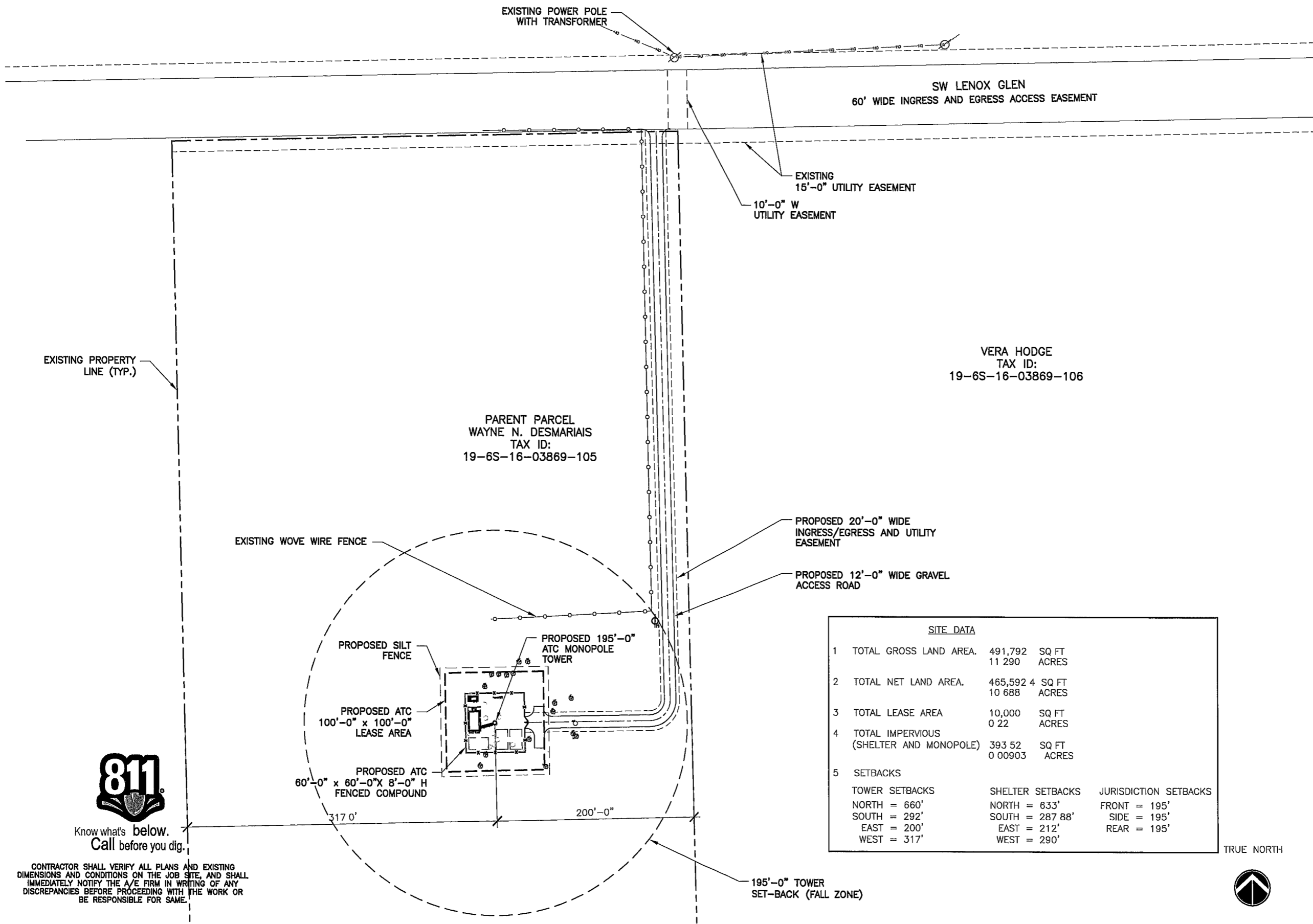
Issue No.

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Drawing No

A-1

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SITE DATA		
1	TOTAL GROSS LAND AREA.	491,792 SQ FT 11 290 ACRES
2	TOTAL NET LAND AREA.	465,592.4 SQ FT 10 688 ACRES
3	TOTAL LEASE AREA	10,000 SQ FT 0 22 ACRES
4	TOTAL IMPERVIOUS (SHELTER AND MONOPOLE)	393.52 SQ FT 0 00903 ACRES
5	SETBACKS	
	TOWER SETBACKS	SHELTER SETBACKS JURISDICTION SETBACKS
	NORTH = 660'	NORTH = 633' FRONT = 195'
	SOUTH = 292'	SOUTH = 287 88' SIDE = 195'
	EAST = 200'	EAST = 212' REAR = 195'
	WEST = 317'	WEST = 290'



Know what's below.
Call before you dig.

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE A/E FIRM IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SITE PLAN

24"x36" SCALE: 1" = 50'-0"
11"x17" SCALE: 1" = 100'-0"
50' 25' 0' 50'

1

1 2 3 4 5 6

SCALE IS BASED ON 22" X 34" 1/4" SIZE

COMPOUND NOTES

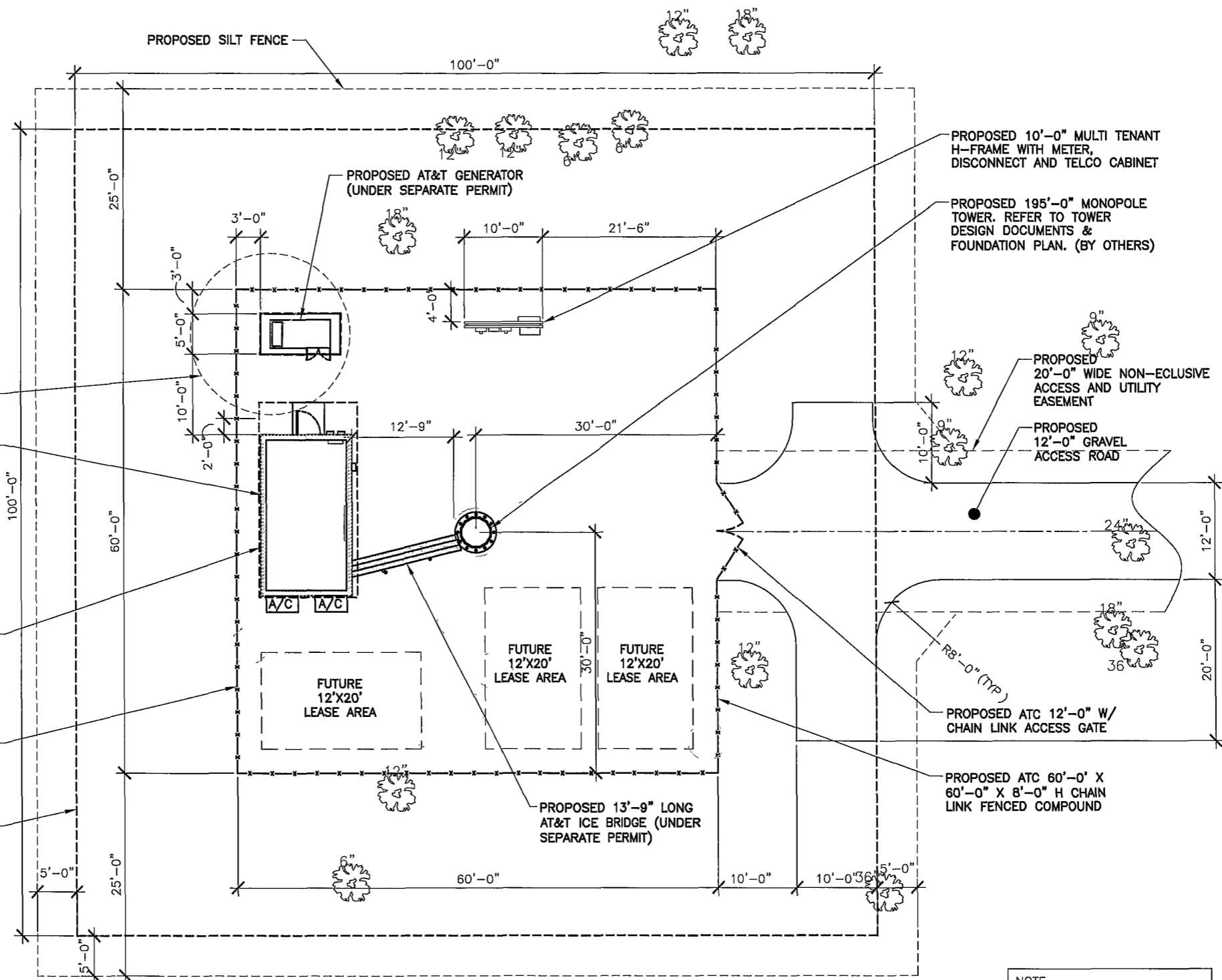
- 1 THE MINIMUM LOWEST FIRST FLOOR ELEVATION SHALL NOT BE LESS THAN 4" ABOVE CROWN OF ROAD OR THE FEDERAL AND/OR COUNTY FLOOD CRITERIA ELEVATION, WHICHEVER IS HIGHER CONTRACTOR SHALL SUBMIT AN ELEVATION CERTIFICATE (IF REQUIRED BY THE JURISDICTION) UPON COMPLETION OF PROJECT
- 2 WORK OUTSIDE OF THE PROPERTY LINE INCLUDED IN THIS SET OF DRAWINGS SHALL BE LIMITED TO, DRIVEWAYS, SODDING TO ASPHALT LINE AND UTILITY CONNECTIONS
- 3 EXISTING TREES WITHIN CONSTRUCTION FOOTPRINT IF ANY SHALL BE REMOVED AND PROPERLY DISPOSED CONTRACTOR SHALL PROCURE PERMIT PRIOR TO REMOVAL
- 4 CONTRACTOR AND SUB-CONTRACTORS SHALL VERIFY ALL UTILITY SERVICE CONNECTION LOCATIONS PRIOR TO SUBMITTING BID AND PROCEEDING WITH WORK. IT IS RECOMMENDED THAT THE CONTRACTOR VISIT THE SITE AND VERIFY ALL DIMENSIONS AND NOTES BEFORE SUBMITTING BID AND PROCEEDING WITH WORK

10'-0" MINIMUM RADIUS FROM GENERATOR EXHAUST TO SHELTER ENTRANCE
 PROPOSED 11.5' X 20' AT&T PREFABRICATED STATE APPROVED EQUIPMENT SHELTER (UNDER SEPARATE PERMIT)

PROPOSED 11.5'-0" X 22'-0" AT&T LEASE AREA

NOTE:
 ALL TREES WITHIN FENCED AREA WILL BE REMOVED

PROPOSED 100'-0" x 100'-0" ATC LEASE AREA



NOTE:
 REFER TO ELECTRICAL SHEETS FOR POWER ROUTE.

TRUE NORTH



COMPOUND PLAN

24"x36" SCALE: 1/8" = 1'-0"
 11"x17" SCALE: 1/16" = 1'-0"
 8' 6' 4' 2' 0' 8'

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 www.morrisonhershfield.com

Project:
FORT WHITE WEST
 10579344
 338 SW LENOX GLEN
 FORT WHITE, FL 32038

Drawing Title:
COMPOUND PLAN

Project No 7130037	
Designer LB	Date 03/06/14
Drawn By DML/AR	Checked By LB
PM Review CM	Client Approval
Issue No 0	Drawing No A-2

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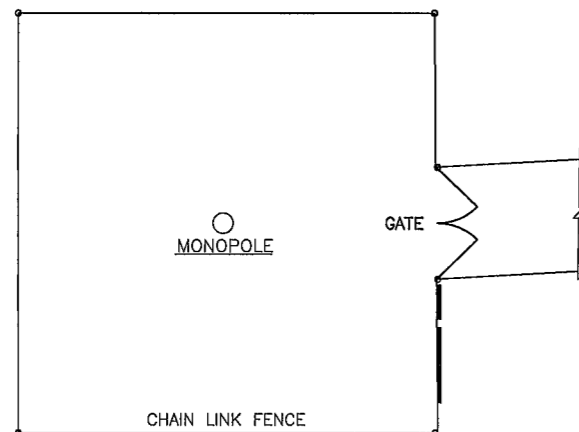
Know what's below.
 Call before you dig.

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NOTE.

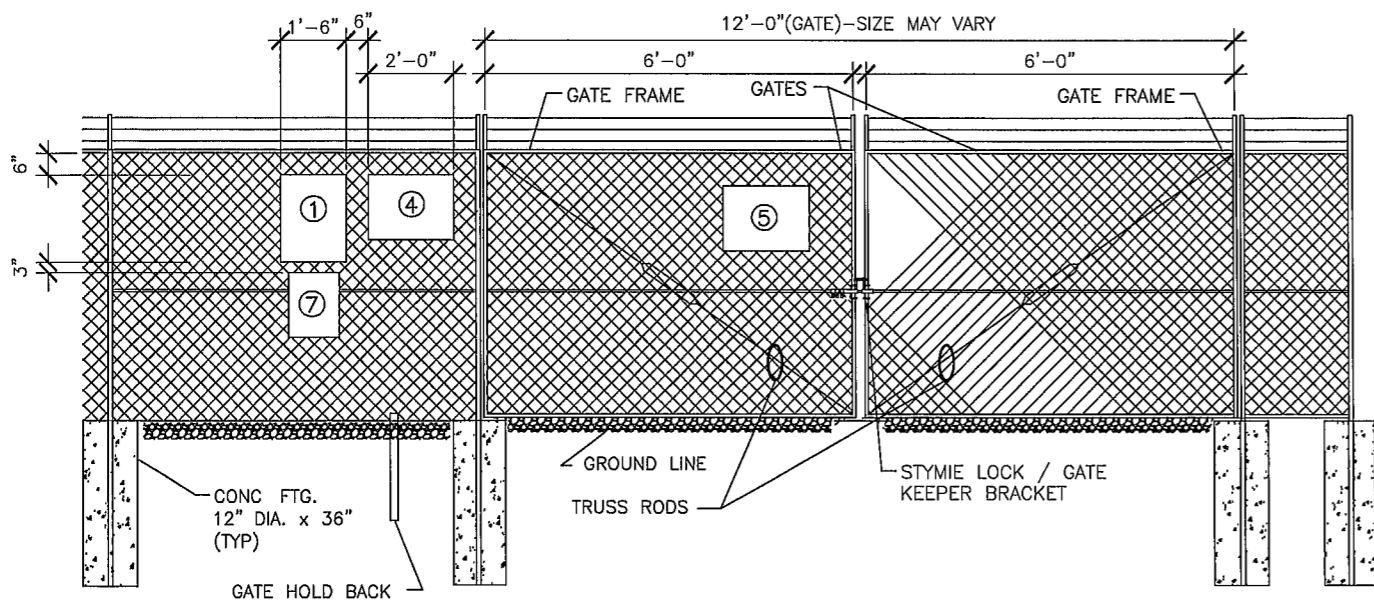
- ⑧ CAUTION - RFE SIGN (BLACK, YELLOW, WHITE) TO BE MOUNTED NEAR TOWER LEG W/ CLIMBING CABLE. DO NOT RESTRICT CLIMBING ACCESS
- ⑨ ASR SIGN TO BE MOUNTED AT TOWER BASE DURING CONSTRUCTION
- ④ CCUSA MARKETING/ ID SIGN 18"x24" (INCLUDES SITE ADDRESS)
CCUSA MARKETING SIGN 14"x20" (BMI SITES)

SCHMATIC SIGNAGE PLAN
NO SCALE



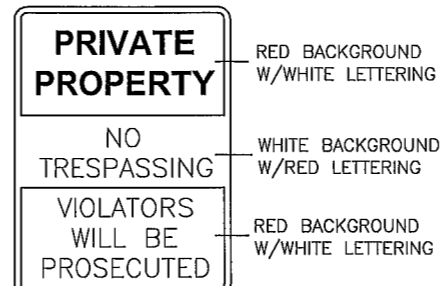
TOWER SITE COMPOUND SIGN PLACEMENT

3



SITE SIGNAGE

1



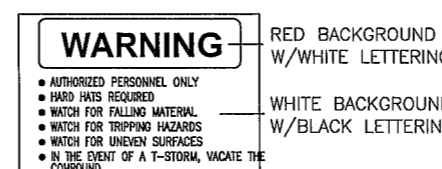
① **NO-TRESPASSING SIGN**

18" WIDE X 24" HIGH



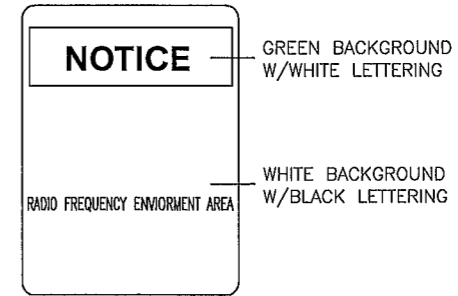
④ **MARKETING/ID SIGN w/ FCC # IN 2" LETTERING**

24" WIDE X 18" HIGH



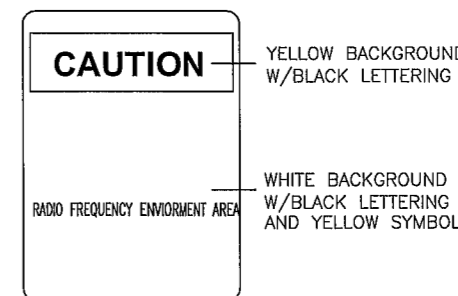
⑤ **CAUTION-HARD HAT CONSTRUCTION AREA AND TRIPPING HAZARDS**

24" WIDE X 18" HIGH



⑦ **NOTICE-RFE SIGN**

12" WIDE X 18" HIGH



⑧ **CAUTION-RFE SIGN**

LABELS OR STICKER ARE ACCPETABLE FOR MONOPOLE TYPE TOWERS
12" WIDE X 18" HIGH



⑨ **ASR SIGN**

10" WIDE X 4" HIGH

NOTE.
ALL SIGNS TO BE INSTALLED ACCORDING TO DWG SITE SIGNAGE ADJACENT TO GATES (LEFT OR RIGHT SIDE OF GATE IS ACCEPTABLE, BUT MUST BE MOUNTED ON GATE SIDE OF COMPOUND, SO AS TO BE READABLE WITH GATES OPEN OR CLOSED)

NOTE:
COORDINATE SIGN PLACEMENT WITH CONSTRUCTION MANAGER

TYPICAL SIGNS & SPECIFICATIONS

4

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APR 15 2014

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ROBERT JERRY LARA
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STATE OF FLORIDA
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Project.
FORT WHITE WEST
10579344
338 SW LENOX GLEN
FORT WHITE, FL 32038

Drawing Title:
SIGNAGE DETAILS

Project No 7130037	
Designer LB	Date 03/06/14
Drawn By DML/AR	Checked By LB
PM Review CM	Client Approval
Issue No.	Drawing No

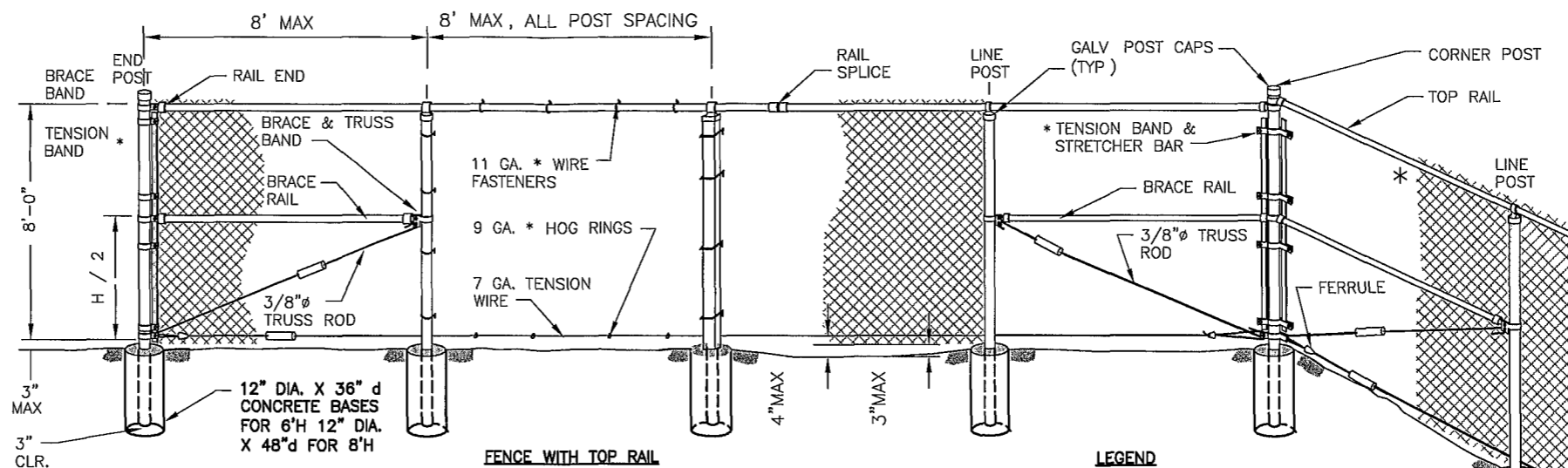
0 A-4

SCALE IS BASE ON 22" X 34" 1/4" SIZE

FENCE NOTES:

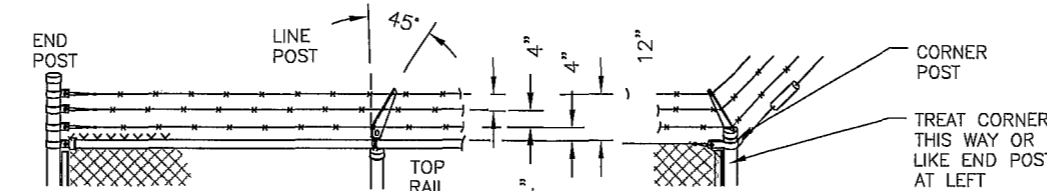
(INSTALL FENCING PER BUILDING CODE)

- 1 GATE POST SHALL BE 4"Ø CORNER, TERMINAL OR PULL POST SHALL BE 3"Ø SCHEDULE 40 FOR GATE WIDTHS UP THROUGH 6 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM-F1083
- 2 LINE POST 2-3/8"Ø SCHEDULE 40 PIPE PER ASTM-F1083
- 3 GATE FRAME 1 1/2"Ø SCHEDULE 40 PIPE PER ASTM-F1083 & ASTM F900
- 4 TOP RAIL & BRACE RAIL 1 3/8"Ø SCHEDULE 40 PIPE PER ASTM-F1083
- 5 FABRIC 2" MESH No 9 GA. GALVANIZED WIRE SECURELY FASTENED TO TENSION WIRE, LINEPOST, BARS CONFORMING TO ASTM-A392, & AASHTO M 181
- 6 TIE WIRE MINIMUM 11 GA. GALVANIZED STEEL INSTALL A SINGLE WRAP TIE WIRE AT POSTS AND RAILS AT MAX 12" INTERVALS VERT & 20" HORZ. INSTALL HOG RINGS ON TENSION WIRE AT 20" INTERVALS
- 7 TENSION WIRE 7 GA GALVANIZED STEEL.
- 8 BARBED WIRE 3 STRANDS OF DOUBLE STRANDED 12-1/2 GA. TWISTED WIRE, 4 PT BARBS SPACED ON APPROXIMATELY 5" CENTERS CONFORMING TO AASHTO M 280
- 9 STYMIE LOCK SEE 2/A-6 LOCAL ORDINANCE FOR BARBED WIRE PERMIT SHALL GOVERN INSTALLATION
10. (HEIGHT OF FABRIC) SHALL BE AS SHOWN ON THE COMPOUND PLANS 72" MIN - 96" MAX

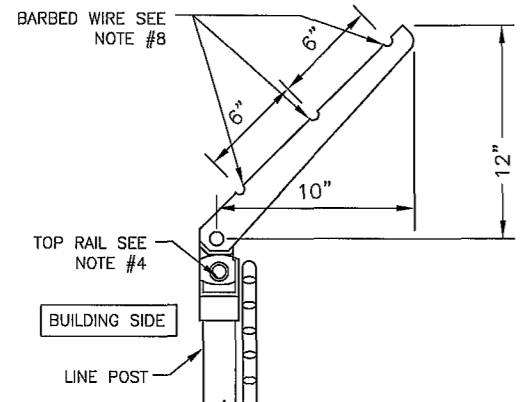
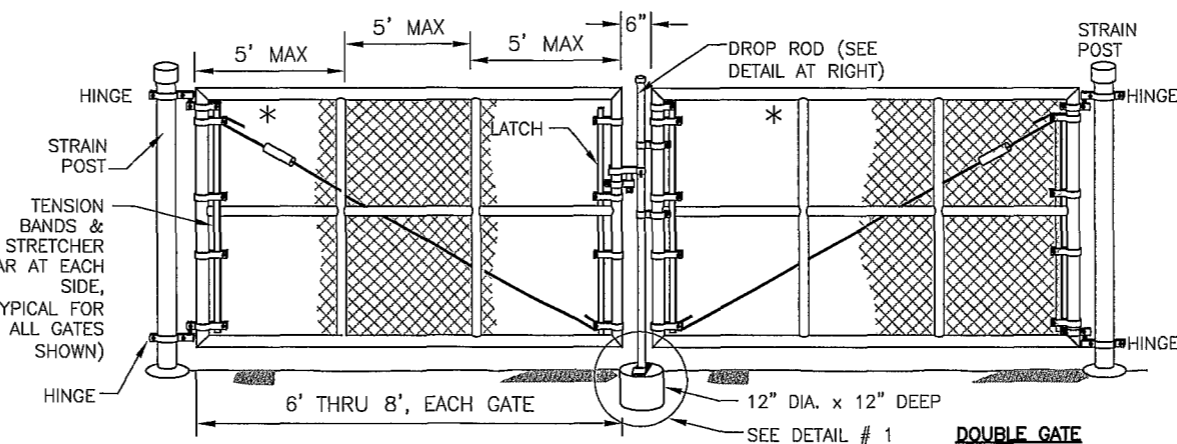


LEGEND

- * ATTACH FABRIC TO ALL FENCE & GATE STRUCTURES AT 12" INTERVALS VERTICALLY & AT 20" HORIZONTALLY
- TIGHTENER OR TURNBUCKLE SYMBOL, (SEE DETAILS ON SHEETS 2 & 3)

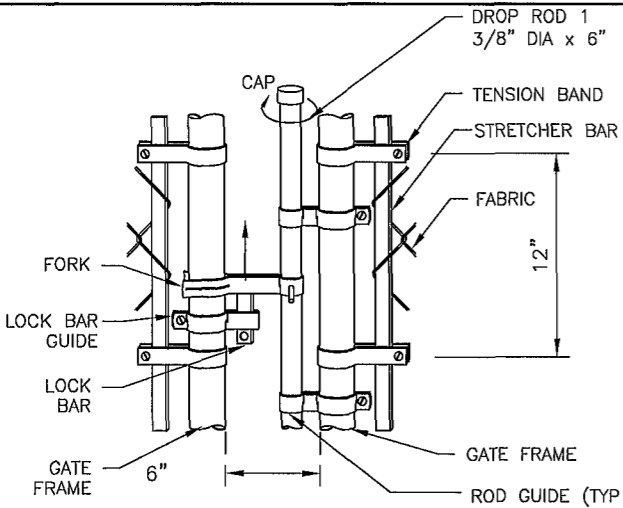


(USE ONLY WHEN SPECIFIED ON COMPOUND PLAN)



BARBED WIRE DETAIL

4



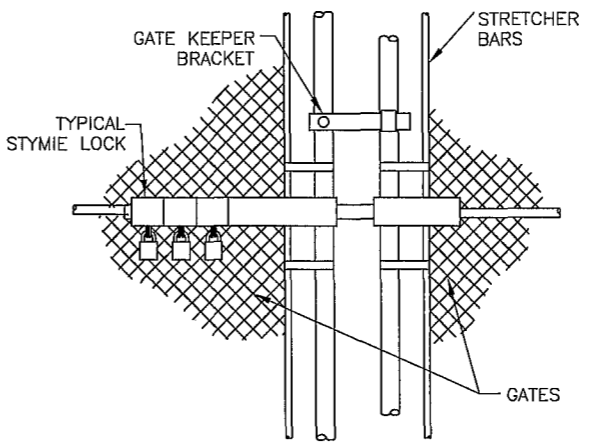
TYP. DROP ROD ASSEMBLY DETAIL

3

CHAIN LINK FENCE/GATE AND BARBED WIRE DETAILS

1

STANDARD COMBINATION LOCK SPEC
 ALL LOCKS SHOULD BE MARINE GRADE BRASS LOCK WITH STAINLESS STEEL SHACKLE, SOLID BRASS BODY PROVIDES STRENGTH AND CORROSION RESISTANCE.
 STAINLESS STEEL SHACKLES RESIST HACKSAWS, BOLT CUTTERS, AND CORROSIVE WEATHER CONDITIONS.
 ALL LOCKS SHOULD BE A PROGRAMMABLE COMBINATION LOCK THAT IS STRONG, DURABLE AND HIGHLY WEATHER RESISTANT.
 THE FOLLOWING LOCKS ARE APPROVED BY CROWN TO BE USED ON SITES OR APPROVED EQUAL PART NUMBERS.
 ABUS 180/HB 50-63 WITH 2-1/4" MARINE GRADE WITH 4 DIALS
 ABUS 180 COMBINATION 1" MARINE GRADE WITH 4 DIALS



STYMIE LOCK DETAIL

2

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B	03/25/14	CLIENT REVIEW
A	03/12/14	CLIENT REVIEW
No.	Date	Action

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Project:
FORT WHITE WEST
 10579344
 338 SW LENOX GLEN
 FORT WHITE, FL 32038

Drawing Title:
FENCE DETAILS

Project No. 7130037	
Designer LB	Date 03/06/14
Drawn By DML/AR	Checked By LB
PM Review CM	Client Approval
Issue No 0	Drawing No A-5

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ELECTRICAL REFERENCE

LEGEND

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.

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MORRISON HERSHFIELD CORP

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Drawing Title:

**ELECTRICAL NOTES
LEGEND AND
ABBREVIATIONS**

Project No. 7130037	
Designer: LB	Date 03/06/14
Drawn By: DML/AR	Checked By: LB
PM Review: CM	Client Approval
Issue No. 0	Drawing No. E-1

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER
	NON-FUSIBLE DISCONNECT SWITCH
	FUSIBLE DISCONNECT SWITCH
	SURFACE MOUNTED PANEL BOARD
	TRANSFORMER
	KILOWATT HOUR METER
	DENOTES CABLE OR CONDUIT TURNING UP IN PLAN VIEW
	DENOTES CABLE OR CONDUIT TURNING DOWN IN PLAN VIEW
	JUNCTION BOX
	PULL BOX TO NEC/TELCO STANDARDS
	OVERHEAD UTILITIES
	UNDERGROUND TELCO
	UNDERGROUND POWER
	DENOTES REFERENCE NOTE
	EXOTHERMIC WELD CONNECTION
	MECHANICAL CONNECTION (eg LUG, C-TAP)
	GROUND ROD
	GROUND ROD WITH INSPECTION SLEEVES
	GROUND BAR
	PIN AND SLEEVE RECEPTACLE
	GROUND CONDUCTOR

ABBREVIATIONS	
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
BFG	BELOW FINISHED GRADE
C	CONDUIT
CRGB	CELL REFERENCE GROUND BAR
CU	COPPER
C/W	COMPLETE WITH
D T T	DRY TYPE TRANSFORMER
EC	EMPTY CONDUIT
G	GROUND
GE	GROUNDING ELECTRODE
GEC	GROUNDING ELECTRODE CONDUCTOR
GRC	GALVANIZED RIGID CONDUIT
MTS	MANUAL TRANSFER SWITCH
NEC	NATIONAL ELECTRICAL CODE
O/H	OVERHEAD
RNC	RIGID NON-METALLIC CONDUIT (SCHEDULE 80 PVC)
SD	SERVICE DISCONNECT SWITCH
SE	SERVICE ENTRANCE
SN	SOLID NEUTRAL
TGB	TELCO GROUND BAR
TEGB	TOWER EXIT GROUND BAR
TR	TRANSFORMER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
WP	WEATHERPROOF - NEMA 3R
U/G	UNDERGROUND
PPC	POWER PROTECTION SHELTER

- 1. GENERAL**
- EXAMINE THE SITE CONDITIONS VERY CAREFULLY AND THE SCOPE OF PROPOSED WORK TOGETHER WITH THE WORK OF ALL OTHER TRADES AND INCLUDE IN THE BID PRICE ALL COSTS FOR WORK SUCH AS EQUIPMENT AND WIRING MADE NECESSARY TO ACCOMMODATE THE ELECTRICAL SYSTEMS SHOWN AND SYSTEMS OF OTHER TRADES.
 - SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT
 - PERFORM DETAILED VERIFICATION OF WORK PRIOR TO ORDERING THE ELECTRICAL EQUIPMENT AND COMMENCING CONSTRUCTION ISSUE A WRITTEN NOTICE TO THE CONSULTANT OF ANY DISCREPANCIES
 - OBTAIN ALL PERMITS, PAY ASSOCIATED FEES AND SCHEDULE INSPECTION(S)
 - PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, INSURANCE, AND SERVICES TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND PRESENT IT AS FULLY OPERATIONAL TO THE SATISFACTION OF THE OWNER
 - CARRY OUT WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND O.S.H.A.
 - PRIOR TO BEGINNING WORK COORDINATE ALL POWER AND TELCO WORK WITH THE LOCAL UTILITY COMPANY AS IT MAY APPLY TO THIS SITE ALL WORK TO COMPLY WITH THE RULES AND REGULATIONS OF THE UTILITIES INVOLVED
 - FABRICATION AND INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEM SHALL BE DONE IN A FIRST CLASS WORKMANSHIP PER NECA STANDARD 1-2000 BY QUALIFIED PERSONNEL EXPERIENCED IN SUCH WORK AND SHALL SCHEDULE THE WORK IN AN ORDERLY MANNER SO AS NOT TO IMPEDE PROGRESS OF THE PROJECT
 - DURING PROGRESS OF THE WORK, MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF THE ELECTRICAL SYSTEMS, LOCATING EACH CIRCUIT PRECISELY AND DIMENSIONING EQUIPMENT, CONDUIT AND CABLE LOCATIONS UPON COMPLETION OF THE INSTALLATION, TRANSFER ALL RECORD DATA TO BLACK LINE PRINTS OF THE ORIGINAL DRAWINGS AND SUBMIT THESE DRAWINGS AS RECORD DRAWINGS TO THE CONSULTANT
 - COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER ANY WORK, MATERIAL, OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR
 - GENERAL CONTRACTOR IS RESPONSIBLE FOR REQUESTING CONNECTION OF COMMERCIAL POWER FROM THE POWER COMPANY ELECTRICAL CONTRACTOR SHALL COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR
 - COORDINATE EXACT TELEPHONE REQUIREMENTS AND SERVICE ROUTING WITH LOCAL TELEPHONE COMPANY APPLY FOR TELEPHONE SERVICE IMMEDIATELY UPON AWARD OF CONTRACT.

- 2. BASIC MATERIALS AND METHODS**
- ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NEC ACCEPTED BY THE LOCAL JURISDICTION AND TO THE APPLICABLE LOCAL CODES AND REGULATIONS.
 - ALL MATERIALS AND EQUIPMENT SHALL BE NEW MATERIALS AND EQUIPMENT SHALL BE THE STANDARD PRODUCTS OF MANUFACTURER'S CURRENT DESIGN ANY FIRST-CLASS PRODUCT MADE BY A REPUTABLE MANUFACTURER MAY BE USED PROVIDING IT CONFORMS TO THE CONTRACT REQUIREMENTS AND MEETS THE APPROVAL OF THE CONSULTANT AND THE OWNER
 - ARRANGE CONDUIT, WIRING, EQUIPMENT, AND OTHER WORK GENERALLY AS SHOWN, PROVIDING PROPER CLEARANCES AND ACCESS CAREFULLY EXAMINE ALL CONTRACT DRAWINGS AND FIT THE WORK IN EACH LOCATION WITHOUT SUBSTANTIAL ALTERATION WHERE DEPARTURES ARE PROPOSED BECAUSE OF FIELD CONDITIONS OR OTHER CAUSES, PREPARE AND SUBMIT DETAILED DRAWINGS FOR ACCEPTANCE
 - THE CONTRACT DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ALL OFFSETS, BENDS, FITTINGS AND ACCESSORIES ARE NOT NECESSARILY SHOWN PROVIDE ALL SUCH ITEMS AS MAY BE REQUIRED TO FIT THE WORK TO THE CONDITIONS
 - MAINTAIN ALL CLEARANCES AS REQUIRED BY NEC
 - SEAL AROUND CONDUITS AND AROUND CONDUCTORS WITHIN CONDUITS ENTERING THE PREFABRICATED SHELTER/CABINETS WHERE PENETRATION OCCURS WITH A SILICONE SEALANT TO PREVENT MOISTURE PENETRATION INTO BUILDING/SHELTER
 - SILICONE SEAL AROUND ALL BOLTS AND SCREWS USED TO SECURE EQUIPMENT TO EXTERIOR OF BUILDING
 - MAKE NECESSARY CONNECTIONS FOR BATTERY IN EMERGENCY LIGHT FIXTURE. CONNECT EXTERIOR LIGHT FIXTURE (PROVIDED BY SHELTER MANUFACTURER) TO EXTERNAL JUNCTION BOX.

- 3. CONDUCTORS AND CONNECTORS**
- UNLESS NOTED OTHERWISE, ALL CONDUCTORS SHALL BE COPPER, MINIMUM SIZE #12 AWG, WITH THERMOPLASTIC INSULATION CONFORMING TO NEMA WC5 OR CROSS-LINKED POLYETHYLENE INSULATION CONFORMING TO NEMA WC7. (TYPES THHN OR THWN) INSULATION SHALL BE RATED FOR 90°C CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC
 - ALL CONDUCTORS USED FOR GROUNDING SHALL BE COPPER.
 - UNLESS NOTED OTHERWISE ALL LUGS SHALL BE TIN PLATED COPPER, TWO-HOLE, LONG BARREL, COMPRESSION TYPE.
 - CONDUCTOR LENGTHS SHALL BE CONTINUOUS FROM TERMINATION TO TERMINATION WITHOUT SPLICES SPLICES ARE NOT ACCEPTABLE IF SPLICES ARE UNAVOIDABLE PRIOR APPROVAL FROM THE ENGINEER MUST BE OBTAINED

- AL
 - AL FUTURE USE SHALL HAVE A PULL CORD
 - SH TO NEMA OS1; CAST-METAL BOXES SHALL CONFORM TO ACCORDANCE WITH NEC UNLESS NOTED OTHERWISE
- 5**
- ALTY GROUNDING OF THE ELECTRICAL EQUIPMENT SHCE WITH THE CURRENT NFPA STANDARDS
 - GRSECTION 3 "CONDUCTORS AND CONNECTORS"
 - AL CONNECTIONS FACING GROUND PLATE SHALL BE COSUCH AS NO-OX, NOALOX, PENETROX OR KOPRSHIELD.
 - GRCTS ON BUILDING EXTERIOR INCLUDING BUILDING TIE DO
 - PRCHANICAL CONNECTIONS FOR GROUND CONDUCTORS USOUGHOUT
 - DOJE OF PROPERTY LINE
 - REERT FROM SURFACES REQUIRING GROUND COER CONNECTION IS MADE TO MAINTAIN CORROSION REI
 - ALS INCLUDING EXTERIOR GROUND RING SHALL BE #2UNLESS NOTED OTHERWISE MAKE ALL GROUND COAS POSSIBLE. AVOID SHARP BENDS THE RADIUS OFIAN 8" AND THE ANGLE OF ANY BEND SHALL NOT EX, SHALL BE ROUTED DOWNWARD TOWARD THE BU
 - BOHAND CYLINDRICAL METALLIC OBJECTS WITH A PENBURN GUV SERIES CLAMP OR A BURNDY GAR 39STITUTES ACCEPTED
 - ALLAPPROVED FOR THE METALS BEING CONNECTED
 - ALLSHALL BE EXOTHERMICALLY WELDED ALL EXOTHERMIC WELALL BE THE PARALLEL TYPE, EXCEPT FOR THE GRGRMIC WELDS REPAIR ALL GALVANIZED SURFACES THARMIC WELDING USE SPRAY GALVANIZER SUCH AS HOI
 - CONUCTION MANAGER WHEN THE BURIED GROUND RING IS I CAN INSPECT THE GROUND RING BEFORE IT IS BAO
 - FORISE EXOTHERMIC WELD CONNECTION TO POST
 - WHB-HOLE OR CLAMP) ARE USED, APPLY A LIBERAL PRCE COMPOUND SUCH AS "NO OXIDE A" BY DEEA CONNECTORS THE COATING SHALL BE APPLIED UNDTHE BORROW

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