



4041 Crescent Park Dr Riverview, FL 33578 Phone: 813.740.2300 TX Business License #10573

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	REVISIONS		
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1	07/02/24	REVISED PER COMMENTS	
0	06/18/24	ZONING DRAWINGS ISSUED	
Α	06/14/24	ISSUED FOR REVIEW	
NO.	DATE	DESCRIPTION	
KCI	PROJECT #:	482400457C	
DRA	WN BY:	HNG	
CHE	CKED BY:	TWD	

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY JAMES T. FENNELL PE (#114838) ON THE DATE SHOWN ON THE T-1 SHEET USING A DIGITAL SIGNATURE IN ACCORDANCE WITH F.A.C. 61G15-23.004, WITH A DIGITAL CERTIFICATE ISSUED BY ENTRUST, INC. PLEASE REFERENCE SHEET T-1 TO VIEW THE SIGNATURE AND VERIFY ITS PROPERTIES. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY

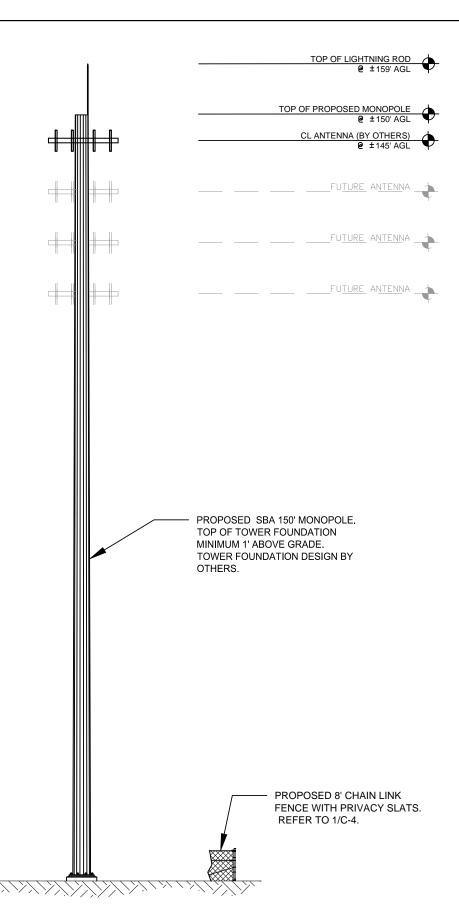


SBA TOWERS, INC. 8051 CONGRESS AVE BOCA RATON, FL 33487 TEL: (561) 226-9523 FAX: (561) 226-9368

2320 BOB BULLOCK LOOP

STRUCTURAL NOTES:

- STRUCTURAL CALCULATION PREPARED BY OTHERS.
 CONTRACTOR TO COORDINATE WITH CLIENT REPRESENTATIVE TO OBTAIN A COPY.
- 2. CONTRACTOR TO REFER TO TOWER STRUCTURAL
 CALCULATIONS FOR ADDITIONAL LOADS. NO ERECTION OR
 MODIFICATION OF TOWER SHALL BE MADE WITHOUT APPROVAL
 OF STRUCTURAL ENGINEER.
- 3. DESIGN REQUIREMENTS PER LOCAL BUILDING CODE AND THE E1A/TIA-222-G STRUCTURAL STANDARDS FOR STEEL ANTENNAS TOWERS AND SUPPORTING STRUCTURES.
- 4. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF A.I.S.C. SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN INCLUDING THE COMMENTARY AND THE A.I.S.C. CODE OF STANDARD PRACTICE.
- 5. STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO ASTM A36. ALL STRUCTURAL STEEL PIPES SHALL CONFORM TO ASTM A53 GRADE 8. ALL STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500 GRACE 8. ALL STRUCTURAL STEEL COMPONENTS AND FABRICATED ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
- 6. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) D.1.1-96. STRUCTURAL WELDING CODE-STEEL WELD ELECTRODES SHALL BE E70XX.
- 7. ALL COAXIAL CABLE CONNECTORS AND TRANSMITTER EQUIPMENT SHALL BE AS SPECIFIED BY THE OWNER AND IS NOT INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL FURNISH ALL CONNECTION HARDWARE REQUIRED TO SECURE THE CABLES. CONNECTION HARDWARE SHALL BE STAINLESS STEEL.
- 8. NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH. CONTRACTOR SHALL VERIFY NORTH AND INFORM OWNER OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.
- ALL CAST IN PLACE CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND ACI 301, AND SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI (U.O.N.). CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL UNLESS OTHERWISE NOTED. MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM 615 GRADE 80, DEFORMED BILLET STEEL BARS. WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A185.
- 11. THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST A.I.S.C. SPECIFICATIONS.
- 12. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
- 13. HOT-DIP GALVANIZE ITEMS SPECIFIED TO BE ZINC-COATED. AFTER FABRICATION WHERE PRACTICAL. GALVANIZING: ASTM A 123, ASTM A 153/A 153M OR ASTM A 653/A 653M, G90, AS APPLICABLE.
- 14. REPAIR DAMAGED SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT' CONFORMING TO ASTM A 780 OR BY APPLICATION OF STICK OR THICK PASTE MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED, AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS. IN STICK OR PASTE, SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL.
- 15. CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS/ SPECIFICATIONS IF NO INFORMATION IS CONTAINED IN THESE PLANS OR IF THE MANUFACTURER'S SPECIFICATIONS ARE STRICTER.





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SITE NAM

WM3518 DERBY AVE

SITE NUMBER:

TX23187-S

SITE ADDRESS:

2320 BOB BULLOCK LOOP LAREDO, TX 78043

DESIGN TYPE

RAW LAND

SHEET TITLE

TOWER ELEVATION

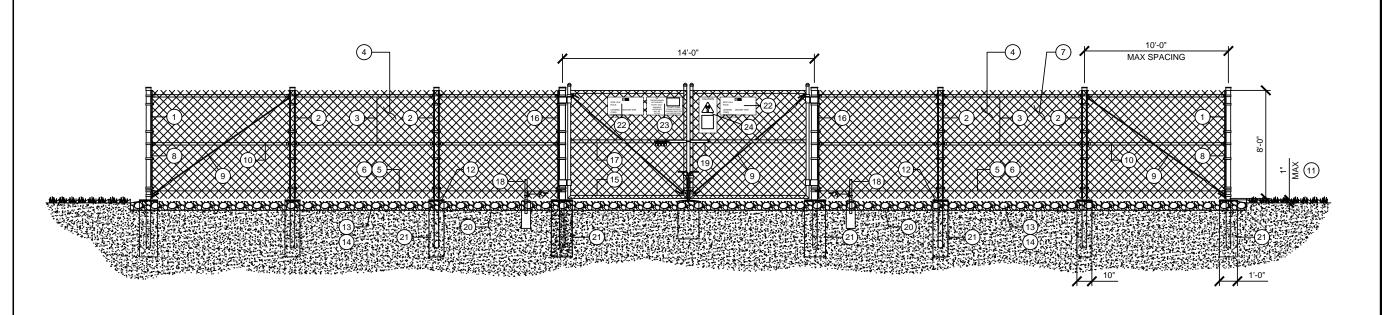
DRAWING NO

C-3

TOWER ELEVATION

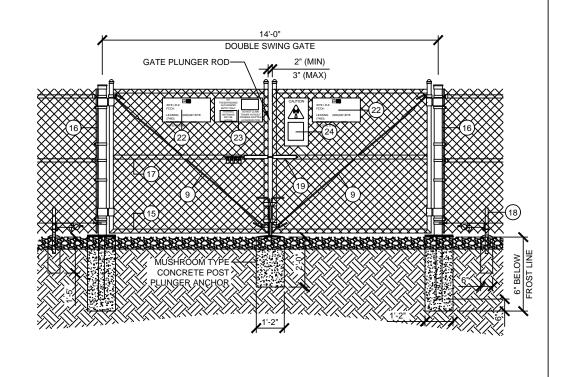
SCALE: N.T.S.

1



TYPICAL FENCING DETAIL

SCALE: N.T.S



DOUBLE-SWING GATE DETAIL

GENERAL NOTES:

- 1. INSTALL FENCING PER ASTM F-567
- 2. INSTALL SWING GATES PER ASTM F- 900
- 3. LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED IF REQUIRED.
- 4. POST & GATE PIPE SIZES ARE INDUSTRY STANDARDS. ALL PIPE TO BE GALVANIZED (HOT DIP, ASTM A120 GRADE "A" STEEL). ALL GATE FRAMES SHALL BE WELDED. ALL WELDING SHALL BE COATED WITH (3) COATS OF COLD GALV. (OR EQUAL).
- 5. ALL OPEN POSTS SHALL HAVE END-CAPS.
- 6. USE GALVANIZED HOG-RING WIRE TO MOUNT ALL SIGNS.
- 7. ALL SIGNS MUST BE MOUNTED ON INSIDE OF FENCE FABRIC.
- 8. MUSHROOM ANCHOR & PLUNGER REQUIRED FOR GATE.
- 9. G.C. RESPONSIBLE FOR SBA GATE LOCK

SCALE: N.T.S.

BALLOON REFERENCE NOTES:

- (1) CORNER, END OR PULL POST: 3" O.D. SCHEDULE 40 PIPE.
- 2) LINE POST: 2 1/2" NOMINAL SCHEDULE 40 PIPE, PER ASTM-F1083. LINE POSTS SHALL BE EQUALLY SPACED AT MAXIMUM 10'-0" O.C.
- (3) TOP RAIL & BRACE RAIL: 1-5/8"O.D. STANDARD ROUND PIPE, PER ASTM-F1083.
- FABRIC: 9 GA CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
- (5) TIE WIRE: 9 GA ALUMINUM. A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED 12" O.C. POSTS/GATES AND 24" RAILS/WIRE.
- 6 TENSION WIRE: 9 GA ALUMINUM
- (7) PRIVACY SLATS
- (8) 3/16" X 3/4" (MIN) FULL HEIGHT STRETCHER BAR.
- 9 3/8" DIAGONAL ROD WITH GALVANIZED STEEL TURNBUCKLE OR DIAGONAL THREADED
- (10) FENCE CORNER POST BRACE: 1 5/8" NOMINAL PIPE
- 11) 1" MAXIMUM CLEARANCE FROM FINISH GRADE.
- (12) FENCE POST FOUNDATION TO BE 1" FINISH ABOVE FINISHED GRADE
- (13) 6" COMPACTED BASE MATERIAL
- (14) FINISH GRADE SHALL BE UNIFORM AND LEVEL.
- (15) WELDED GATE FRAME: 2" O.D., SCHEDULE 40 PIPE, PER ASTM-F1083.
- (16) GATE POST 4" O.D., SCHEDULE 40 PIPE, PER ASTM-F1083.
- (17) GATE FRAME BRACE RAIL: 1 1/2" NOMINAL PIPE, PER ASTM-F1083.
- (18) DUCK BILL OPEN GATE HOLDER. VERIFY LOCATION IN FIELD PRIOR TO INSTALLATION.
- (19) STYMIE LOCK MULTI-TENANT LOCKING DEVICE
- (20) GEOTEXTILE FABRIC
- (21) CONCRETE FOUNDATION (MIN 3000 PSI).
 MINIMUM DEPTH: 6" BELOW FROST LINE
- (22) 12" x 24" SBA SITE INFORMATION SIGN.
- (23) 12" x 24" NO TRESPASSING SIGN.
- (24) 12" x 24" RF CAUTION SIGN.
- 18" x 12" KEEP GATE CLOSED SIGN.



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TECHNOLOGIES

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3 GENERAL NOTES 4 FENCING NOTES