FENCE SPECIFICATIONS

1.01 FRAMING MATERIALS

A. STEEL FRAMING, POST, RAILS, FRAMES AND BRACES:

1. TYPE II (ROUND SECTIONS): A.S.T.M. A-569 STEEL, MINIMUM YIELD STRENGTH OF 50,000 PSI, COLD-FORMED, ELECTRIC WELDED; HYDROSTATIC TASTING WAIVED; SIZE AND WEIGHT AS INDICATED HEREIN.
   FINISH: TRIPLE COATED WITH 1.0 OUNCE ZINC PER SQUARE FOOT. 30 +/- 15 MICROGRAMS CHROMATE. 0.5 +/- 02 MILS. CLEAR CROSS LINKED POLYURETHANE ACRYLIC EXTERIOR COATING, INTERNAL SURFACES SHALL BE GIVEN CORROSION PROTECTION BY ZINC-RICH BASED ORGANIC COATING WITH AN 87 PERCENT MINIMUM ZINC POWDER LOADING, WITH THE CAPABILITY OF WITHSTANDING 300 HOURS WHEN SUBJECT TO SALT SPRAY TEST A.S.T.M. B-117, WITH A 5 PERCENT MAXIMUM RED RUST, SIZE AND WEIGHT REQUIREMENTS: ALL PIPING TO BE SCHEDULE 40, EXCEPT TOP AND BOTTOM 1 5/8" PIPES, WHICH MAY BE SCHEDULE 20.

FRAMING MEMBER	IN./O.D.	LBS./FT.
END, CORNER AND PULL POSTS	2.875	4.640
LINE POSTS	2.375	3.117
RAIL AND BRACES	1.660	1.350
GATE POSTS	4.00	9.10

B. STEEL GATE FRAMES (SIZE OF LEAF):

1. TYPE II (ROUND SECTIONS):
   FINISH AS PER ITEM 2.01.A.1 ABOVE
   SIZE AND WEIGHT REQUIREMENTS:

FRAMING MEMBER	IN./O.D.	LBS./FT.
OVER 9 FT. HEIGHT OR 10 FT. WIDE	2.375	3.117

1.02 CHAIN LINK FABRIC

A. GALVANIZED STEEL: STEEL WIRE, A.S.T.M. A-392, CLASS I (E.G. 1.2 OZ./S.F.), GALVANIZED AFTER WEAVING, HELICALLY WOUND AND WOVEN WITH MESH DIMENSION AND GAUGE INDICATED.
1. FABRIC HEIGHT SHALL BE AS INDICATED ON THE DRAWINGS.
2. FABRIC TYPE:

MESH	WIRE GAUGE	WIRE DIAMETER	BREAKING LOAD
2"	9	0.146"	1290

3. FABRIC SELVAGE: TWISTED SELVAGE AT TOP. KNUCKLED SELVAGE AT BOTTOM.

1.03 ACCESSORIES

A. FINISH:
1. GALVANIZED (TO COMPLY WITH A.S.T.M. A-153, EXCEPT TIE WIRES). FINISH TO MATCH FRAMING.

B. TIE WIRE:
1. TENSION LINE: 7 GAUGE GALVANIZED WIRE.
2. FABRIC TO LINE POSTS, RAILS AND BRACES: MINIMUM 9 GA. STEEL WIRE.
3. TIES: FABRIC TO TENSION WIRE, USE 11 GA. HOG RINGS.

C. STRETCHER BARS: ONE PIECE LENGTHS TO FULL HEIGHT OF FABRIC WITH A MINIMUM CROSS-SECTION OF 3/16" X 3/4" OR EQUIVALENT FIBER GLASS ROD. PROVIDE STRETCHER BARS FOR EACH GATE, END, CORNER AND PULL POST. STRETCHER BAR BANDS AND CLIPS SHALL BE HEAVY PRESSED STEEL OR MALLEABLE IRON.

D. BARB WIRE SUPPORTING ARMS: PRESSED STEEL, COMPLETE WITH PROVISION FOR ANCHORAGE TO END, CORNER, AND PULL POSTS AND ATTACHING 4-ROWS OF BARB WIRE TO EACH ARM.
1. SINGLE 45 DEGREE OUTWARD PROJECTING AND VERTICAL ARMS ON GATES, INTEGRAL WITH A POST TOP WEATHER CAP.
2. INTERMEDIATE ARMS SHALL HAVE HOLE FOR PASSAGE OF TOP RAIL. ARMS SHALL BE CAPABLE TO WITHSTANDING WITHOUT FAILURE, 250 LBS. DOWNWARD PULL AT OUTERMOST END OF ARM.

E. GALVANIZED BARB WIRE: A.S.T.M. A-121 DOUBLED-STRAND, 12-1/2 GA. WIRE WITH 14 GA., 4-POINT GALVANIZED BARBS SPACED APPROXIMATELY 4" O.C.

1.04 GATES

A. FABRICATION: ASSEMBLE GATE FRAMES BY WELDING CONNECTIONS. USE SAME FABRIC AS FOR FENCE. INSTALL FABRIC WITH STRETCHER BARS AT EDGES, (AND TIE WIRES AT TOP AND BOTTOM EDGES, IF STRETCHER IS NOT USED). ATTACHED STRETCHER BARS TO GATE FRAME AT NOT MORE THAN 15" O.C. ATTACH HARDWARE BY MEANS WHICH WILL PROVIDE SECURITY AGAINST REMOVAL OR BREAKAGE.

1. PROVIDE ADDITIONAL HORIZONTAL AND VERTICAL MEMBERS TO ENSURE PROPER GATE OPERATION AND FOR ATTACHMENT OF FABRIC, HARDWARE AND ACCESORIES.
2. BRACING: PROVIDE DIAGONAL CROSS-BRACING CONSISTING OF 3/8" DIAMETER ADJUSTABLE LENGTH TRUSS RODS ON GATES WHERE 4 SIDED TENSION RODS ARE NOT USED. PROVIDE FRAME RIGIDLY WITHOUT SAG OR TWIST.

B. GATE HARDWARE: EACH ITEM GALVANIZED AS PER A.S.T.M. A-153, (EXCEPT TIE WIRES). FINISH TO MATCH FRAMING.

1. HINGES : PRESSED STEEL OR MALLEABLE IRON TO SUITE GATE SIZE, NON-LIFT-OFF TYPE, OFFSET TO PERMIT 150 DEGREE GATE OPENING. PROVIDE ONE (1) PAIR OF HINGES FOR EACH LEAF.
2. LATCH : FORKED TYPE TO PERMIT OPERATION FROM EACH SIDE OF GATE: PAD LOCK EYE SHALL BE AN INTERGREAT PART OF LATCH.
3. KEEPER : PROVIDE KEEPER FOR EACH LEAF OF GATE, WHICH AUTOMATICALLY ENGAGES THE GATE LEAF AND HOLDED IN THE OPEN POSITION UNTIL MANUALLY RELEASED.
4. DOUBLE GATES: PROVIDE DROP ROD TO HOLD INACTIVE LEAF. PROVIDE PIPE TO ENGAGE THE CENTER DROP ROD, LOCKING DEVICE AND PADLOCK EYES SHALL BE AN INTEGRAL PART OF THE LETCH, REQUIRING ONE PADLOCK FOR LOOKING BOTH GATE GATE LEAVES.

1.05 SETTING MATERIALS

A. CONCRETE: PROVIDE CONCRETE CONSISTING OF PORTLAND CEMENT COMPLYING WITH A.S.T.M. C-150 AGGREGATES COMPLYING WITH A.S.T.M. C-33 AND CLEAN WATER. MIX MATERIALS TO OBTAIN CONCRETE WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2500 P.S USING AT LEAST 4 SACKS OF CEMENT PER CU. YD. 1" MAXIMUM SIZE AGGREGATE, MAXIMUM 3" ALUMP, AND 2 PERCENT TO 4 PERCENT ENTRAINED AIR. PREPARE TO CONFORM TO A.S.T.M. C-94

PART 2 EXECUTION :

2.01 POST INSTALLATION

A. LAYOUT:

1. END CORNER AND PULL POST: PROVIDE AT EACH TERMINATION AND CHANGE IN HORIZONTAL OR VERTICAL DIRECTION OF 30 DEGREES OR MORE.
2. LINE POSTS: SPACE UNIFORMLY NOT TO EXCEED 10 FEET ON CENTER.

B. CONCRETE SET POSTS: DRILL HOLES (AFTER FINAL GRANDING) IN FIRM, UNDISTURBED OR COMPACTED SOIL. HOLES SHALL HAVE A DIAMETER EQUAL TO 4 TIMES THE DIAMETER OF THE POST, AND DEPTHS APPROXIMATE 6" DEEPER THAN POST BOTTOM, UNLESS NOTED OTHERWISE. EXCAVATE DEEPER AS REQUIRED FOR ADEQUATE SUPPORT IN SOFT AND LOOSE SOILS AND FOR POSTS WITH HEAVY LATERAL LOADS (I.E., GATE POSTS).

1. SET POSTS NOT LESS THAN 36" BELOW SURFACE WHEN IN FIRM, UNDISTURBED SOIL, UNLESS OTHERWISE INSTRUCTED.
2. PLACE CONCRETE AROUND POSTS IN A CONTINUOUS POUR, TAMP FOR CONSOLIDATION. TROWEL FINISH TOPS OF FOOTINGS, AND SLOPE OR DOME TO DIRECT WATER AWAY FROM POSTS. TOP EDGE OF FOOTING SHALL MEET FINISH GRADES AS SHOWN ON THE DRAWINGS.
3. GATE POSTS AND HARDWARE: SET KEEPERS, STOPS, SLEEVES AND OTHER ACCESSORIES IN CONCRETE. FORM AND TROWEL TOP SURFACE OF CONCRETE BASE.

C. PLUMB AND ALIGN EACH POST (VERTICALLY, HORIZONTALLY AND TOP). MAINTAIN IN POSITION UNTIL PLACEMENT IS COMPLETE.

D. CAP ALL MEMBER TOPS.

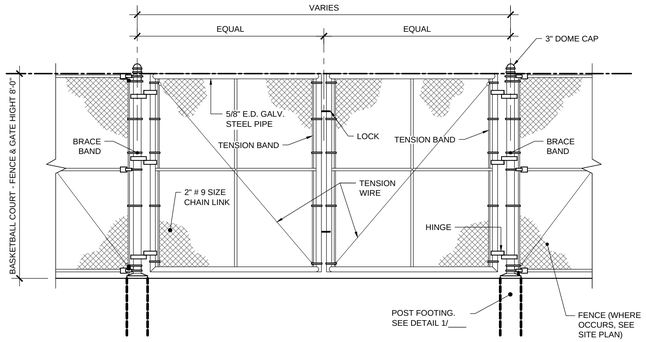
2.02 BRACING AND FRAMING

A. INSTALL HORIZONTAL PIPE BRACE AT MID HEIGHT ON EACH SIDE OF CORNER POSTS AND AT GATE, END, AND PULL POSTS FIRMLY ATTACH WITH PROPER FITINGS. INSTALL DIAGONAL TENSION RODS AT THESE POINTS. INSTALL BRACES SO POSTS ARE PLUMB WHEN DIAGONAL ROD IS UNDER PROPER TENSION.

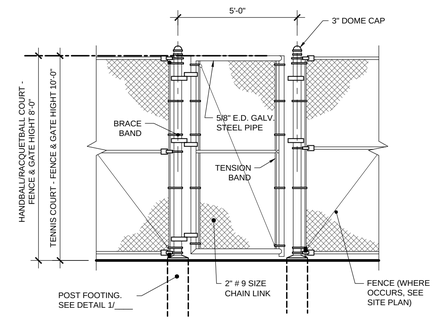
2.03 FABRIC INSTALLATION

FABRIC: INSTALL FABRIC ON EXTERIOR SIDE OF FENCE, AND ATTACH TO FRAMEWORK SO THAT FABRIC REMAINS IN TENSION AFTER PULLING FORCE IS RELEASED. PULL FABRIC TAUT AND TIE TO POSTS, RAILS AND TENSION WIRES. LEAVE APPROXIMATELY 2" BETWEEN FINISH GRADE AND BOTTOM SELVAGE.
1. TIES: FABRIC TO RAILS AND BRACES AT 24" INCHES O.C.; POSTS AT 14" INCHES O.C.
2. HOG RINGS: ATTACH FABRIC TO TENSION LINES AT 24" O.C.

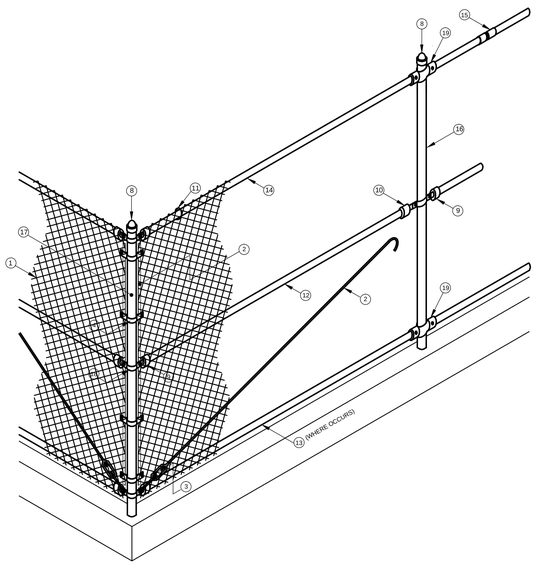
5 FENCE SPECIFICATIONS
N.T.S.



1 TYP. 8'-0" CHAIN LINK FENCE AND DOUBLE GATE ELEVATION
N.T.S.



2 TYP. 8'-0" OR 10'-0" CHAIN LINK FENCE AND SINGLE GATE ELEVATION
N.T.S.



6 TYP. CORNER POST ISOMETRIC
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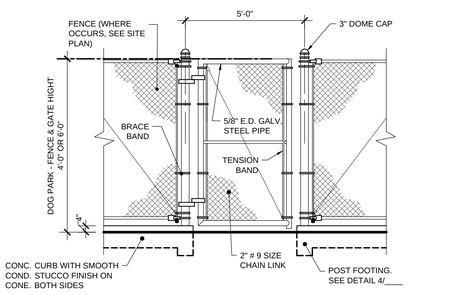
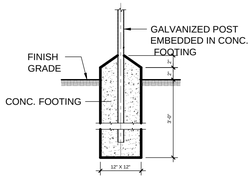
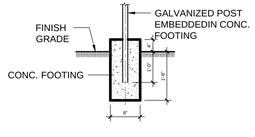


3 TYP. 4'-0" OR 6'-0" CHAIN LINK FENCE AND SINGLE GATE ELEVATION
N.T.S.



7 8'-0" AND 10'-0" POST FOOTING DETAILS
N.T.S.

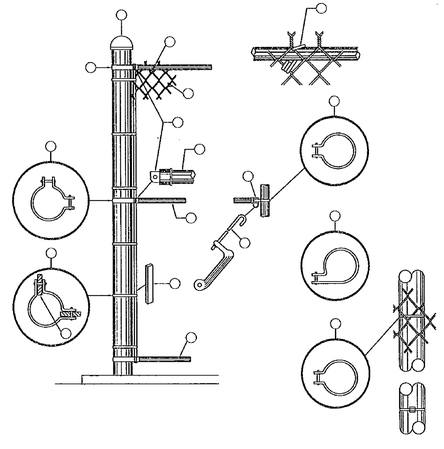


8 4'-0" & 6'-0" POST FOOTING DETAILS
N.T.S.

1	GALVANIZED CHAIN LINK (2" X 2" GAUGE 9).
2	GALVANIZED STEEL TRUSS ROD 3/8" X 11'.
3	GALVANIZED STEEL TRUSS ROD TIGHTNER 3/8" X 12" X 4-12"
4	GALVANIZED BRACE STRAP (CORNER POST 4" O.D.)
5	GALVANIZED BRACE STRAP FOR BARBED WIRE (4" O.D. CORNER POST)
6	GALVANIZED BARBWIRE STRANDS # 12-12 GA. 4 PT. X 5" CLASS III (3 LINES)
7	GALVANIZED PRESSED STEEL BARBWIRE ARM STRAND- 45 1-PIECE FOR LINE POST 2 1/2" O. D.
8	GALVANIZED PRESSED STEEL POST DOME CAP STYLE (4" O.D. CORNER POST).
9	GALVANIZED BRACE END 1 5/8" PLAIN
10	GALVANIZED BRACE END 1 5/8" COMBINATION.
11	ALUMINUM TIE 9 GA. X 8 1/4".
12	GALVANIZED MIDDLE CORNER REINF. 1 5/8" O.D. SCH. 40.
13	GALVANIZED BOTTOM REINF. 1 5/8" O.D. (SECTIONAL) SCH 40.
14	GALVANIZED TOP REINF. 1 5/8" O.D. STRAIGHT WITH TOP RAIL SLEEVE SCH 40.
15	GALVANIZED STEEL TOP RAIL SLEEVE 1 5/8" X 6".
16	GALVANIZED LINE POST 2 1/2" O.D. SHEDULE 40.
17	GALVANIZED CORNER POST 4" O.D. SHEDULE 40.
18	GALVANIZED TENSION STRAP (GATE POST 4" O.D., GATE POST 3" O.D.
19	GALVANIZED PRESSED STEEL BOULEVARD CLAMP 2 1/2" X 1 5/8".
20	GALVANIZED PRESSED STEEL LOOP CAP 2 1/2" X 1 5/8" (2 1/2" O.D. LINE POST).
21	GALVANIZED PRESSED STEEL POST DOME CAP STYLE (3" O.D. CORNER POST).
22	GALVANIZED TENSION WIRE COIL SPRING 7 GA. CLASS III.
23	GALVANIZED BRACE END 5/8" WITH HOOK

GENERAL NOTE:
ALL CHAIN LINK FENCE FABRICS, POST AND ACCESORIES TO BE BLACK VINYL COATED.

9 FENCE SCHEDULE
N.T.S.



4 TYP. CORNER POST DETAIL
N.T.S.

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LICENSE NO. AA26001863

WINDMILL PARK
700 LYONS ROAD
COCONUT CREEK, FL 33063
CLIENT: CITY OF COCONUT CREEK

REV	DATE	DESCRIPTION
1	12/14/15	DRC REVIEW COMMENTS

DESIGN DELIVERABLE: **PERMIT SET**
ISSUE DATE: **01/26/16**

PROJECT NUMBER: **1252-140622**
DRAWN BY: **KW**
CHECKED BY: **MS**

SHEET TITLE:
DOG PAVILION FENCE & GATES DETAILS

SHEET NUMBER:
A2-3.0