

FRANK L. BENNARDI, P.E.
#FD0048549

04/26/2006
VALID FOR (1) YEAR ONLY
MAINTAIN WITH RATED SIGNATURE

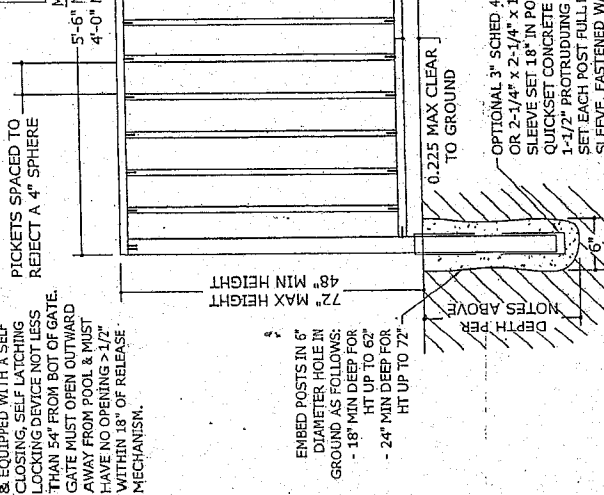
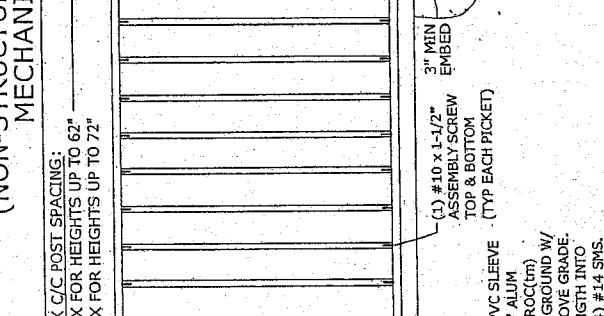
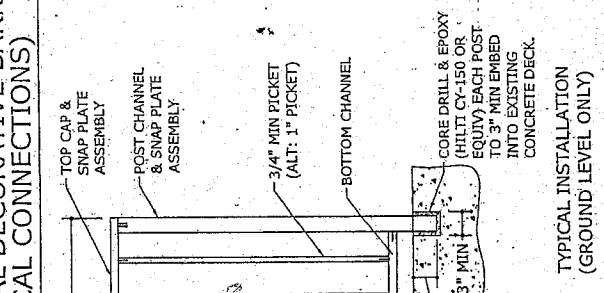
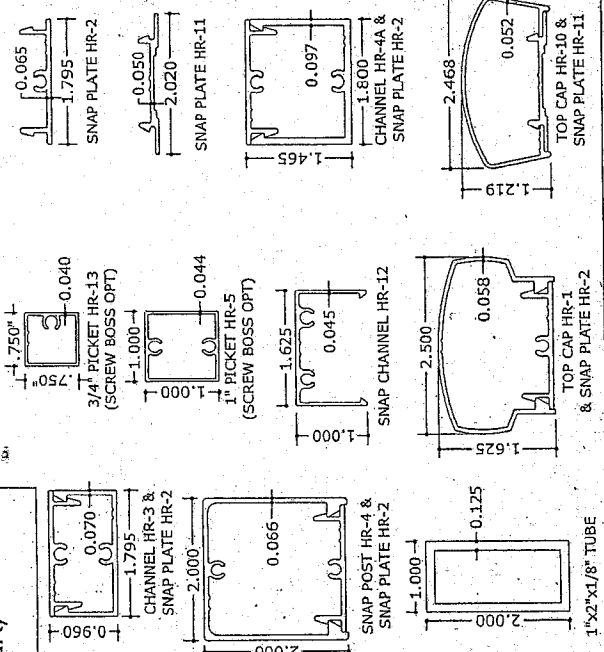
FRANK L. BENNARDI, P.E., Inc.
CONSULTING ENGINEERS
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WWW.ENR.COM

MECHANICAL FENCE MASTER PLAN SHEET
PHONE: (561) 712-9882
WEST PALM BEACH, FL 33409
1540 DONNA ROAD
ALL AMERICAN SHUTTERS

DATE	04/26/06
DRWN	KLP
CHKD	KLP
REMARKS	
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SCALE	1" = 1'-0"
PAGE DESCRIPTION	00-AAS-1001

ALUMINUM FENCE AT GRADE (NON-STRUCTURAL DECORATIVE BARRIER, MECHANICAL CONNECTIONS)

6063-T6 U.N.O.



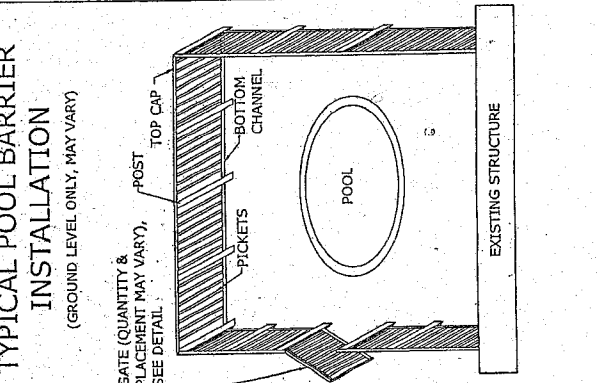
PER FBC 424.2.17.1.8 - ACCESS GATES WHEN PROVIDED MUST BE AT LEAST 48" ABOVE GRADE & EQUIPPED WITH A SELF CLOSING, SELF LATCHING LOCKING DEVICE NOT LESS THAN 54" FROM BOT OF GATE. GATE MUST OPEN OUTWARD AWAY FROM POOL & MUST HAVE NO OPENING > 1/2" WITHIN 18" OF RELEASE MECHANISM.

EMBED POSTS IN 6" DIAMETER HOLE IN GROUND AS FOLLOWS:
- 18" MIN DEEP FOR HT UP TO 62"
- 24" MIN DEEP FOR HT UP TO 72"

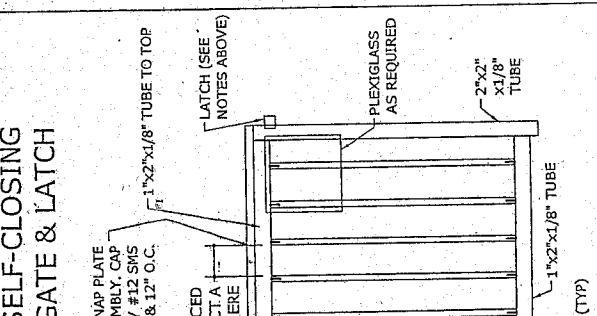
GENERAL NOTES

1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE. ALL LOCAL CODES SUPERSEDING THIS CODE SHALL BE CONSIDERED BY THE CONTRACTOR IN DESIGN AND MAY REQUIRE ADDITIONAL ENGINEERING.
2. DESIGN IS BASED ON WIND LOADS PER ASCE 7-02, AND THE FOLLOWING CRITERIA: I=0.77, V=90 mph, (3 SECOND GUST), (75 MPH SUSTAINED WINDS) EXP. C.
3. THIS HANDRAIL DESIGN TO BE USED AT GROUND SURFACE ONLY. IT'S USE IS LIMITED TO DECORATIVE BARRIER PURPOSES ONLY. THIS HANDRAIL IS NOT INTENDED TO MEET CODES GOVERNING ELEVATED BALCONIES OR STRUCTURAL RAILINGS.
4. ALL EXTRUDED MEMBERS SHALL BE ALUMINUM ALLOY TYPE 6063-T6, EXTRUSION TOLERANCES TO BE PER INDUSTRY STANDARDS.
5. ALL CONCRETE AND EPOXY TO REACH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 7 DAYS.
6. SURROUNDING SOIL TO BE COMPACTED TO 98% OPTIMUM DENSITY, 2500 PSF MIN.
7. ANY WELDING MUST BE DONE BY AN AWS CERTIFIED WELDER IN ACCORDANCE WITH APPLICABLE GOVERNING CODES.
8. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALUMINUM MEMBERS FROM DISSIMILAR METALS TO PREVENT ELECTROLYSIS.
9. ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
10. ANY HINGE AND LATCH SHALL BE STRUCTURAL QUALITY MOLDED POLYMERS AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS & ANY APPLICABLE CODES.
11. ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, ET AL. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
12. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

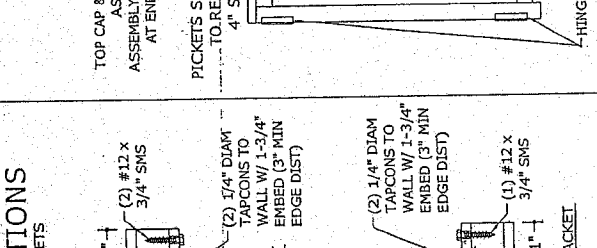
TYPICAL POOL BARRIER INSTALLATION



SELF-CLOSING GATE & LATCH



WALL CONNECTIONS



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