

PER FBC 424.2.1.7.1.8: 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.

PICKETS SPACED TO REJECT A 4" SPHERE

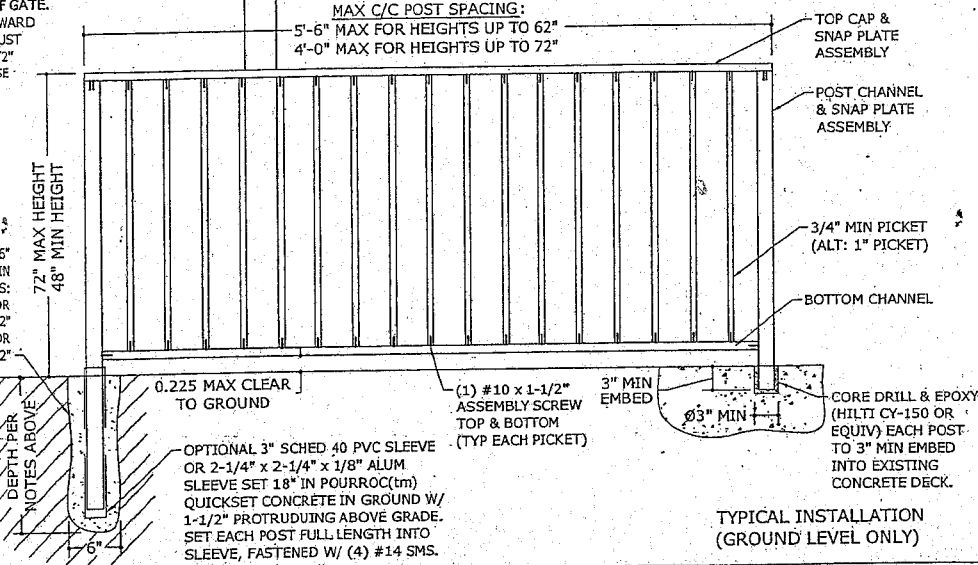
ALUMINUM FENCE AT GRADE

(NON-STRUCTURAL DECORATIVE BARRIER, MECHANICAL CONNECTIONS)

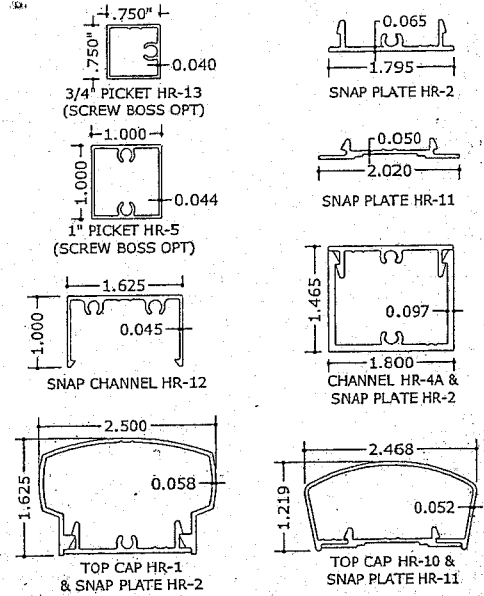
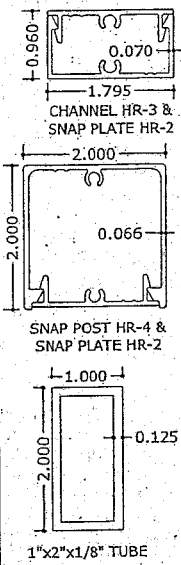
RAILING EXTRUSIONS
6063-T6 U.N.O.

FRANK L. BENNARDO, P.E.
#PE0046549
04/26/2006
VALID FOR (1) YEAR ONLY
VALID ONLY WITH RAISED ENGINEER SEAL
FRANK L. BENNARDO, P.E., INC.
CONSULTING ENGINEERS
4411 N. DIXIE HIGHWAY
BOCA RATON, FL 33431
PH: (561) 391-2862
FH: (561) 391-2888
FAX: (561) 391-2885
CERTIFICATE OF AUTHORIZATION: #9885
ENGINEERING EXPRESS
www.enr.com

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"

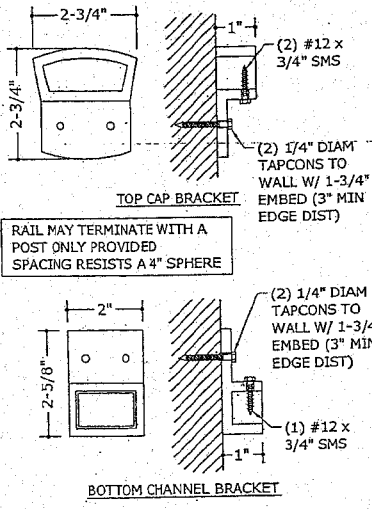


TYPICAL INSTALLATION (GROUND LEVEL ONLY)

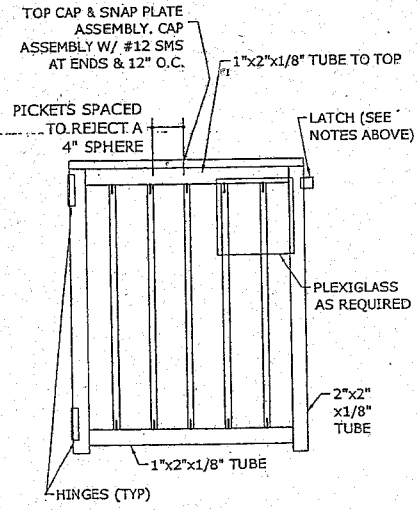


WALL CONNECTIONS

W/ CAST WALL BRACKETS

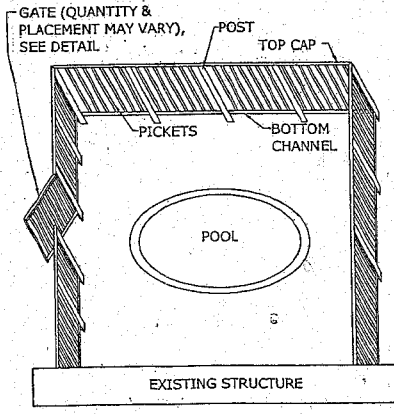


SELF-CLOSING GATE & LATCH



TYPICAL POOL BARRIER INSTALLATION

(GROUND LEVEL ONLY, MAY VARY)



GENERAL NOTES

- 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 & MAY REQUIRE ADDITIONAL ENGINEERING.
- DESIGN IS BASED ON WINDLOADS PER ASCE 7-02 AND THE FOLLOWING CRITERIA: I=0.77, V=90 mph, (3 SECOND GUST), (75 MPH SUSTAINED WINDS) EXP 'C'.
- 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.
- ALL EXTRUDED MEMBERS SHALL BE ALUMINUM ALLOY TYPE 6063-T6, EXTRUSION TOLERANCES TO BE PER INDUSTRY STANDARDS.
- ALL CONCRETE AND EPOXY TO REACH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 7 DAYS.
- SURROUNDING SOIL TO BE COMPACTED TO 98% OPTIMUM DENSITY, 2500 PSF MIN.
- ANY WELDING MUST BE DONE BY AN AWS CERTIFIED WELDER IN ACCORDANCE WITH APPLICABLE GOVERNING CODES.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALUMINUM MEMBERS FROM DISSIMILAR METALS TO PREVENT ELECTROLYSIS.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- ANY HINGE AND LATCH SHALL BE STRUCTURAL QUALITY MOLDED POLYMERS AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS & ANY APPLICABLE CODES.
- ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDENIFIES & 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.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

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

DATE	DATE	DATE	DATE
04/26/06			

00-AAS-1001
SCALE: 1/8" = 1'-0"
PAGE DESCRIPTION:

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04/26/2006 - 4:10pm Jamille F:\02 Drawings\05 S&E\guards\02 Al Grade Fence-Decorative MF(S)\Mechanical Fence MF(S)\2006-02-15.dwg