**EXISTING HOST** 

42.0" [1066.8mm] MIN FROM F.F.

BASEPLATE

ATTACHMENT

-WALL, BY OTHERS

3 7/8" [98.4mm]

MAX GAP AT

**END POSTS** 

# JAKOB ROPE SYSTEMS

STAINLESS STEEL MODULAR RAILING SYSTEM WITH HORIZONTAL CABLES MASTER PLAN SHEET

(4)-

(1

(3)

COREDRILL

INVALID WITHOUT SEAL

48.00" [1219.2mm] MAX FRAME WIDTH, TYP

3.00" O.C. [76.2mm], TYP

INVALID WITHOUT SEAL

**(2)**-

BOTTOM CABLE SHA

TENSIONED TO RESIST A 2"Ø SPHERE WITH A 50 LE

IZONTAL BETWEEN

AND BOTTOM CABL

VALID AS A GENERIC SEALED MASTER PLAN ONLY FOR UP TO 250FT OF RESIDENTIAL OR COMMERCIAL FENCING AT (1) LOCATION. SITE SPECIFIC / ADDITIONAL ENGINEERING REQUIRED THEREAFTER

CABLES SHALL BE TENSIONED

TO RESIST A 4"Ø SPHERE WITH

A 50 LB HORIZONTAL FORCE AT

ANY POINT OF RAILING INFILL,

4 FACEMOUNT

ATTACHMENT

48.00" [1219.2mm] MAX FRAME WIDTH, TYP.

HOST STRUCTURE, SEE

SHEET 3 FOR OPTIONS

COPIES NOT VALID FOR PERMIT

THIS RAILING IS DESIGNED TO MEET SECTIONS OF THE CODE ELEVATED BALCONIES AND STRUCTURAL RAILINGS (200LB POINT LOAD, 50 PLF APPLIED ALONG TOP CAP AND, 50LB POINT LOAD UPON 1 AND 25 PSF UPON GROSS AREA OF GUARD, HVHZ CRITERIA FBC 1618.4.6). AND 25 PSF UPON GROSS AREA OF GUARD, HV12 CRITERIA BE 1818-8.).

RAILING DESIGNED FOR WIND LOADING PER CHAPTER 16 HV12, NON-HV12

AND THE PROVISIONS OF ASCE 7-16. SITE CONDITIONS ARE NOT TO EXCEED

THE FOLLOWING: V\_ult = 175MPH, V\_asd = 136MPH, EXPOSURE D', (85%

OPEN SIGN UP TO 200' MEAN ROOF HEIGHT USING "ASD" METHODOLOGY).

SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN RDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH N (2020). ALSO APPLICABLE FOR THE FBC 6TH EDITION (2017), IBC/IRC 8 2018), AS WELL AS CURRENT VERSIONS OF THE MN, NC. NJ, NY, OH, A BUILDING CODES AS APPLICABLE CODE ENFORCED COMPLIES WITH OF SEAL AND IF MULTIPLE VERSIONS ARE LISTED THEN MOST GENT APPLIES. DESIGN SHALL UTILIZE ASD DESIGN METHOD USING ASC OR ASCE 7-10 CODES FOR SITE SPECIFIC APPLICATIONS AS APPLICABLE AND SHALL BE LESS THAN OR EQUAL TO THE DESIGN PRESSURE PARAMETERS OUTLINED HEREIN.

- ALL FLOOR FINISHES SHALL BE BY OTHERS AND SHALL NOT EXCEED 1. ALL LOADING TO THE PROJECT SUPERSTRUCTURE.
- ALL FASTENERS TO BE #12 X 3/4", 18-8 SERIES 400 NON-MAGNETIC 316 STAINLESS STEEL, OR CADMIUM PLATED OR OTHERWISE CORROSION RESISTANT MATERIAL UNLESS NOTED OTHERWISE.
- ALL RAIL FRAMING MEMBERS AND PLATES SHALL BE 316 STAINLESS STEEL WITH Fy = 36KSI OR BETTER, U.N.O.
- ALL CONCRETE SHALL BE UNCRACKED ONLY WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI U.N.O. AND SHALL BE MINIMUM 1.5X THICKER THAN ANY MEMBER EMBEDMENT.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY

SE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRIC SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS

- LOADED RAILING SYSTEM AS VERIFIED BY THE ENGINEER & OR ARCHITECT OF RECORD, et.al. THE HOST STRUCTURE WHICH IS DESIGNED, CERTIFIED, AND INSPECTED BY OTHERS MUST PROVIDE SUFFICIENT, SOUND ANCHORAGE FOR THIS SPECIFIED SYSTEM. NO WARRANTY OR GUARANTEE TO THESE CONDITIONS, EITHER EXPRESSED OR IMPLIED, IS OFFERED WITH THIS CERTIFICATION
- PROJECT SITE. INFORMATION CONTAINED HEREIN IS BASED ON CONTRACTOR-SUPPLIED DATA AND MEASUREMENTS. ENGINEERING EXPRESS SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS.
- 11. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT MUST REMAIN WITHIN THE

PRIOR TO CONSTRUCTION.

12. ENGINEERING EXPRESS SHALL BE NOTIFIED AND GIVEN AN OPPORTUNITY TO REEVALUATE OUR WORK UPON DISCOVERY OF ANY INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION OF ADDITIONS OF ADDITIONS TO THIS AND INSTALLATION OF MATERIALS. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

AFFIRMATIONS ARE INTENDED

FOR ENGINEER CERTIFIED ORIGINALS & MORE INFORMATION ABOUT THIS DOCUMENT OR SCAN THIS QR CODE

VISIT ENGINEERINGEXPRESS.COM/STORE FOR ADDITIONAL PLANS, REPORTS & RESOURCES



- MAXIMUM, OTHERWISE THEY SHALL BE SEPARATELY CERTIFIED TO TRANSFER

- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.

- THE EXISTING HOST STRUCTURE MUST BE CAPABLE OF SUPPORTING THE
- 10. THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC

13. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR

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MODULAR STAINLESS STEEL RAWITH HORIZONTAL CABLE

SYSTEM

**JAKOB** 

OPVRIGHT ENGINEERING EXPRES

21-36301 SCALE: NTS UNLESS NOTED









