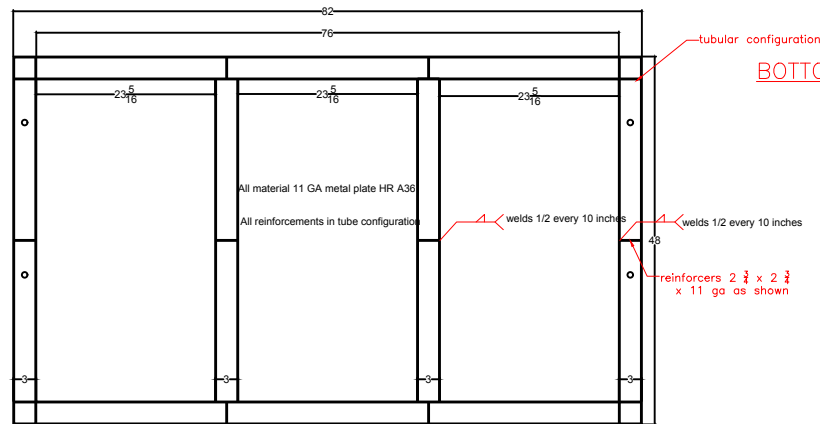


SECTION A-A
(SEE FRAMING RECOMMENDATIONS)



BOTTOM SECTIONAL VIEW OF PRECUT PLATFORM FOR AN 80 X 48 BALCONY ALL BALCONIES TO FOLLOW THE SAME STANDARDS

The Balcony Company

Dec-Iron balconies engineering data

BALCONY SPECIFICATIONS

CONTACT: Pedro L. Sanchez
704-7500444
info@deciron.com

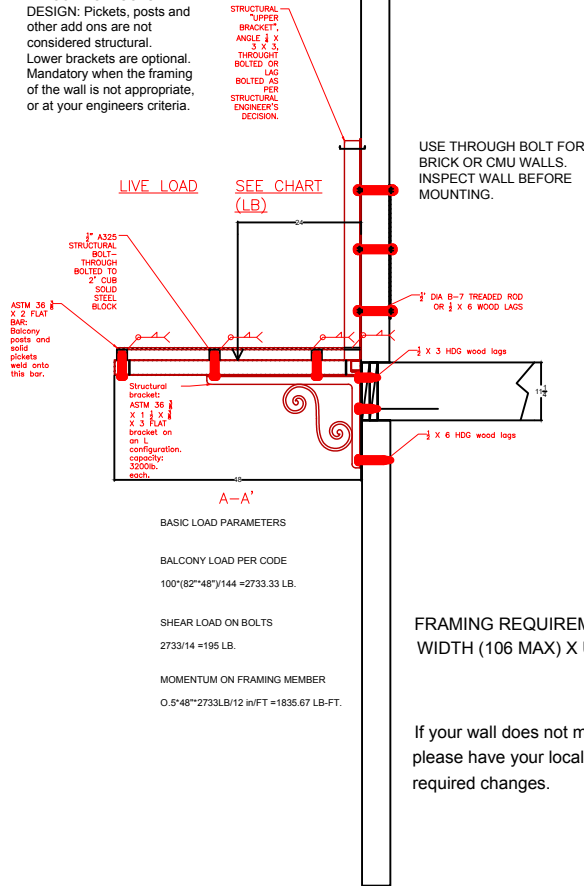
Permit pdf. SHEET 1/4

Designed and drawn by: PLS

REQUESTED BY: RONALD JOHNSON

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BALCONY STRUCTURAL DESIGN: Pickets, posts and other add ons are not considered structural. Lower brackets are optional. Mandatory when the framing of the wall is not appropriate, or at your engineers criteria.



A-A'

BASIC LOAD PARAMETERS

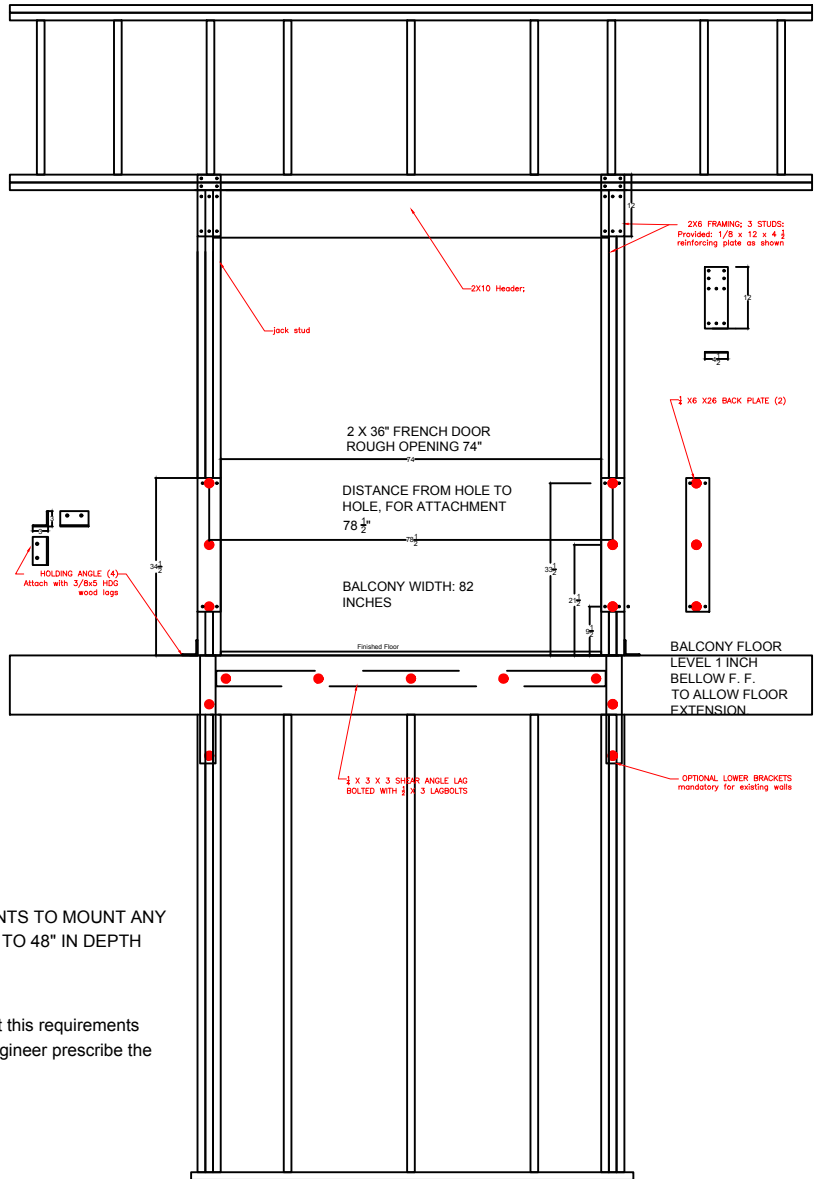
BALCONY LOAD PER CODE
100'(82"48")144 =2733.33 LB.

SHEAR LOAD ON BOLTS
2733/14 =195 LB.

MOMENTUM ON FRAMING MEMBER
0.5'48"2733LB/12 in/FT =1835.67 LB-FT.

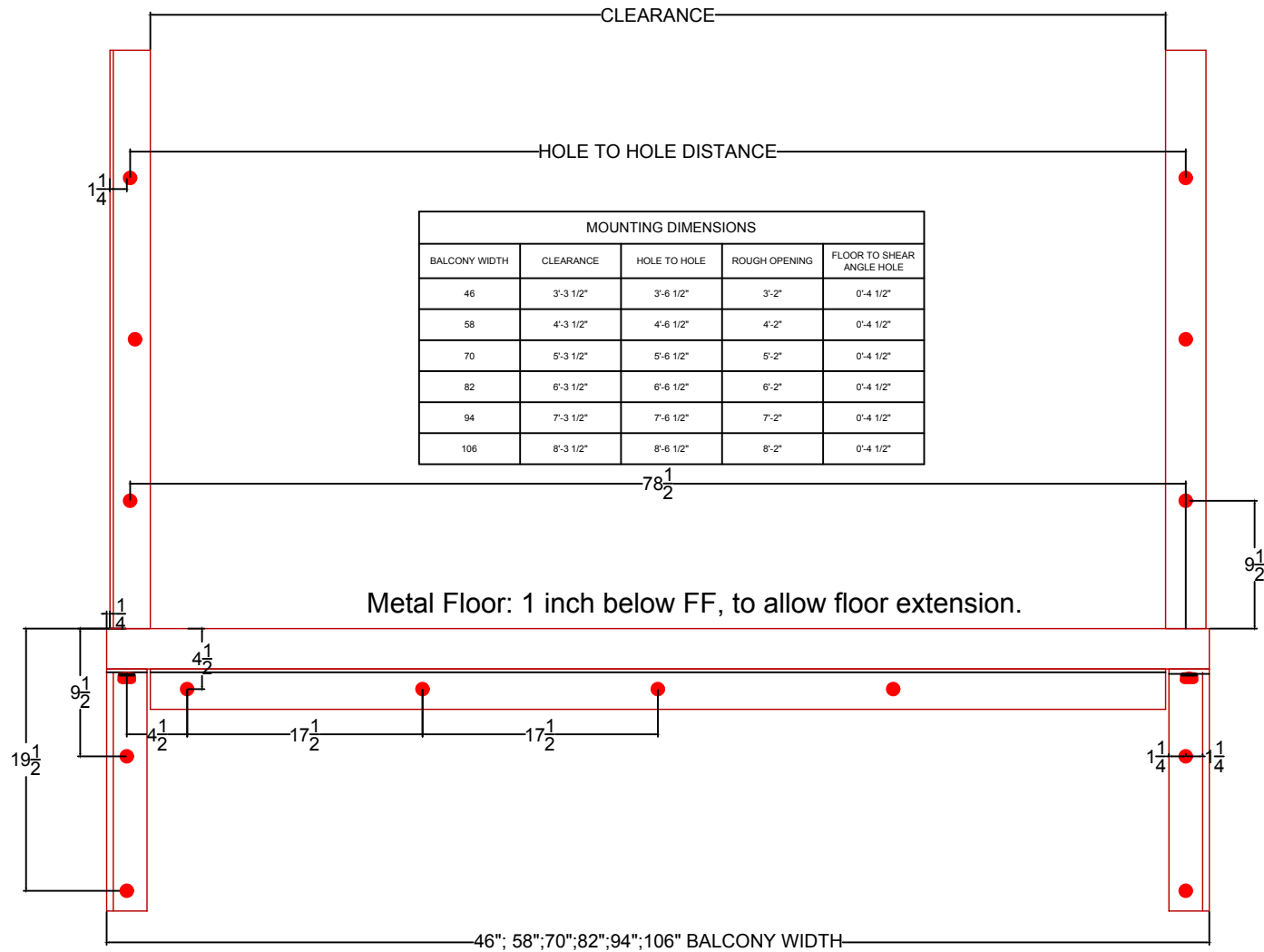
FRAMING REQUIREMENTS TO MOUNT ANY WIDTH (106 MAX) X UP TO 48" IN DEPTH

If your wall does not meet this requirements please have your local engineer prescribe the required changes.



INSIDE FRAMING VIEW (for 2x6 WOOD)

The Balcony Company Inc.	Dec-Iron balconies engineering data	FRAMING RECOMENDATION	CONTACT: Pedro L. Sanchez 704-7500444 info@deciron.com
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MOUNTING DIMENSIONS AND
BOLT LAYOUT FOR BALCONIES
UP TO 106: WIDE

The Balcony Company Inc.	Dec-Iron balconies engineering data	BOLT LAYOUT	CONTACT: Pedro L. Sanchez 704-7500444 info@deciron.com
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LOAD PARAMETERS 24 INCH DEEP BALCONIES (BALCONY UNIT WEIGHT IS BASED ON THE HEAVIEST MODEL)

BALCONY WIDTH	TRIBUTARY DEPTH	TRIBUTARY WIDTH	TRIBUTARY AREA	UNIT WEIGHT (heaviest model)	LIVE LOAD CODE RQ.100 lb/sq ft x Tributary area	LOAD ON WALL (code load + unit weight)	MOMENTUM ON WALL (x= 1 ft)
46	1'-9 1/2"	3'-5"	6.12 SQ. FT.	261 lb.	612 lb	873 lb	873 lb-ft
58	1'-9 1/2"	4'-5"	7.91 SQ. FT.	299 lb.	791 lb	1090 lb	1090 lb-ft
70	1'-9 1/2"	5'-5"	9.7 SQ. FT.	338 lb.	970 lb	1308 lb	1308 lb-ft
82	1'-9 1/2"	6'-5"	11.5 SQ. FT.	376 lb.	1150 lb	1526 lb	1526 lb-ft
94	1'-9 1/2"	7'-5"	13.29 SQ. FT.	420 lb.	1329 lb	1749lb	1749 lb-ft
106	1'-9 1/2"	8'-5"	15.07 SQ. FT.	458 lb	1507lb	1965 lb	1965 lb-ft

LOAD PARAMETERS 36 INCH DEEP BALCONIES (BALCONY UNIT WEIGHT IS BASED ON THE HEAVIEST MODEL)

BALCONY WIDTH	TRIBUTARY DEPTH	TRIBUTARY WIDTH	TRIBUTARY AREA	UNIT WEIGHT (heaviest model)	LIVE LOAD CODE RQ.100 lb/sq ft x Trib area	LOAD ON WALL (code load + unit weight)	MOMENTUM ON WALL (x= 1.5 ft)
46	2'-9 1/2"	3'-5"	9.4 SQ. FT.	342 lb.	940 lb	1282 lb	1923 lb-ft
58	2'-9 1/2"	4'-5"	12.33 SQ. FT.	385 lb.	1233 lb	1618 lb	2427 lb-ft
70	3'-9 1/2"	5'-5"	15.12 SQ. FT.	429 lb.	1512 lb	1941 lb	2912 lb-ft
82	4'-9 1/2"	6'-5"	17.91 SQ. FT.	481 lb.	1791 lb	2272 lb	3408 lb-ft
94	5'-9 1/2"	7'-5"	20.7 SQ. FT.	525 lb.	2070 lb	2595 lb	3893 lb-ft
106	6'-9 1/2"	8'-5"	23.5 SQ. FT.	558 lb	2350 lb	2908 lb	4362 lb-ft

LOAD PARAMETERS 48 INCH DEEP BALCONIES (BALCONY UNIT WEIGHT IS BASED ON THE HEAVIEST MODEL)

BALCONY WIDTH	TRIBUTARY DEPTH	TRIBUTARY WIDTH	TRIBUTARY AREA	UNIT WEIGHT (heaviest model)	LIVE LOAD CODE RQ.100 lb/sq ft Trib area	LOAD ON WALL (code load + unit weight)	MOMENTUM ON WALL (x=21ft)
46	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
58	3'-9 1/2"	4'-5"	16.94 SQ. FT.	438 lb.	1694 lb	2132 lb	4266 lb-ft
70	3'-9 1/2"	5'-5"	20.54 SQ. FT.	486 lb.	2054 lb	2540 lb	4594 lb-ft
82	3'-9 1/2"	6'-5"	24.33 SQ. FT.	535 lb.	2433 lb	2968 lb	5876 lb-ft
94	3'-9 1/2"	7'-5"	28.12 SQ. FT.	597 lb.	2812 lb	3409 lb	6188 lb-ft
106	3'-9 1/2"	8'-5"	32.91 SQ. FT.	645 lb.	3291lb	3936 lb	7872 lb-ft

The Balcony Company Inc.	Dec-Iron balconies engineering data	LOAD DATA	CONTACT: Pedro L. Sanchez 704-7500444 info@deciron.com
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