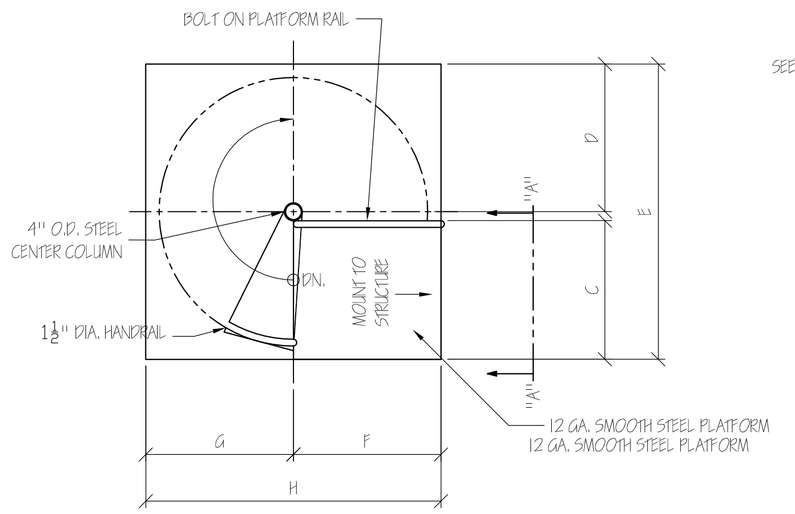
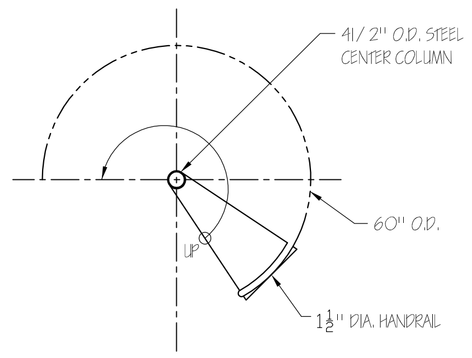
RV	DESC.	BY	DT.

STAIR DIAMETER SCHEDULE

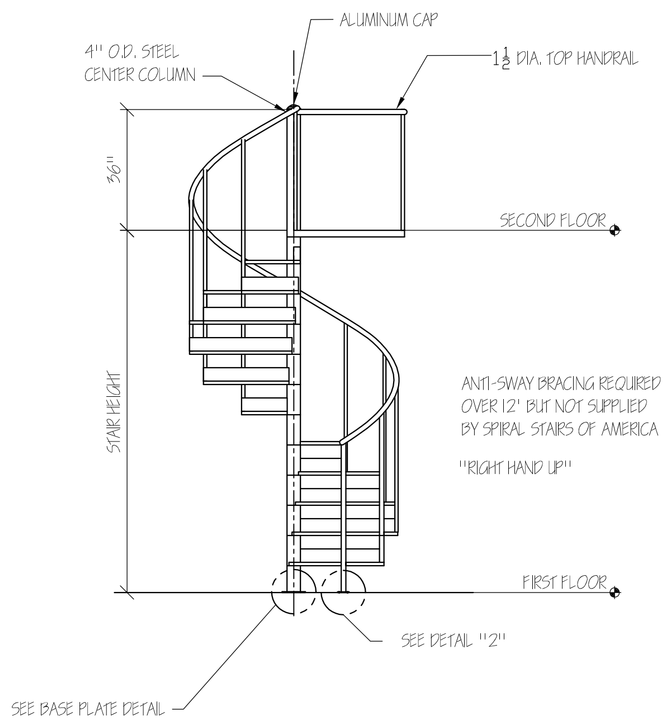
STAIR DIAMETER	DIMENSION					
	"C"	"D"	"E"	"F"	"G"	"H"
40"	20"	24"	44"	22"	22"	44"
48"	24"	28"	52"	26"	26"	52"
52"	26"	30"	56"	28"	28"	56"
60"	31"	35"	66"	33"	33"	66"
64"	33"	37"	70"	35"	35"	70"
72"	37"	41"	78"	39"	39"	78"
78"	41"	45"	86"	43"	43"	86"



PLAN VIEW AT TOP STAIR
SCALE: 1/ 2"=1'-0"

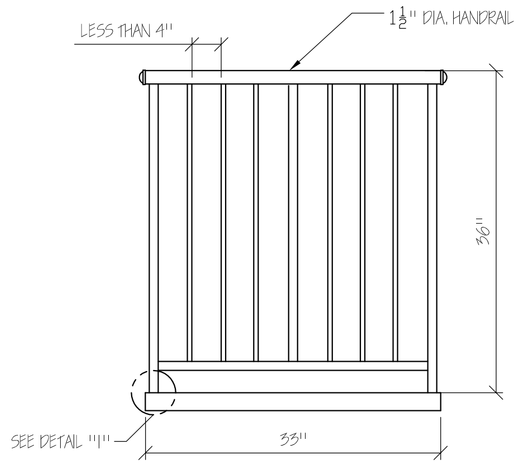


PLAN VIEW AT BOTTOM
SCALE: 1/ 2"=1'-0"



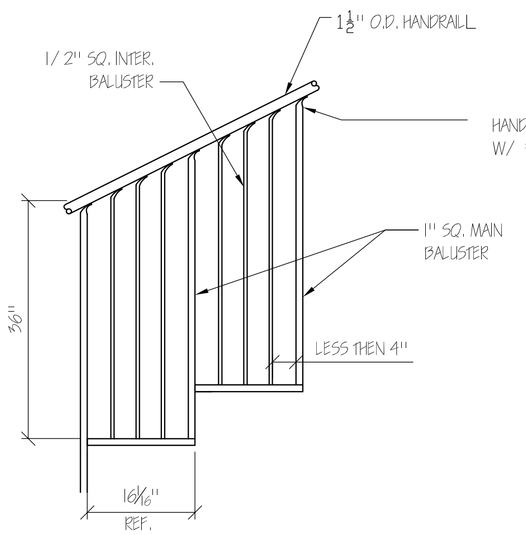
SIDE ELEVATION
SCALE: 3/ 8"=1'-0"

NOTE: INTERMEDIATE BALUSTERS NOT SHOWN FOR CLARITY



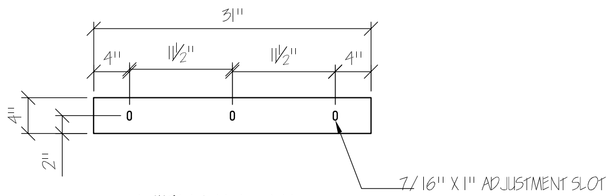
PLATFORM DETAIL
SCALE: 1"=1'-0"

ASSEMBLY DETAIL
SCALE: 6"=1'-0"

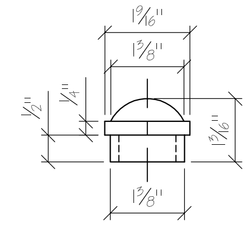


BALUSTER DETAIL
SCALE: 3/ 4"=1'-0"

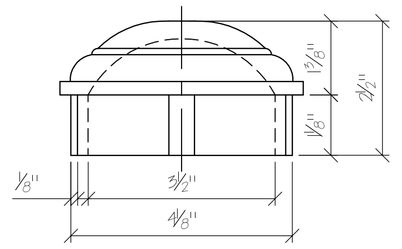
STAIR HEIGHT SCHEDULE - 30° TREADS 8 1/ 2" MIN. - 9 1/ 2" MAX. RISERS			
STAIR HEIGHT	NUMBER OF TREADS	NUMBER OF RISERS	DEGREES OF ROTATION
76 1/ 2" - 85 1/ 2"	8	9	240°
10 - 95"	9	10	270°
10 - 104 1/ 2"	10	11	300°
10 - 114"	11	12	330°
10 - 123 1/ 2"	12	13	360°
10 - 133"	13	14	390°
10 - 142 1/ 2"	14	15	420°
10 - 152"	15	16	450°
10 - 161 1/ 2"	16	17	480°
10 - 171"	17	18	510°



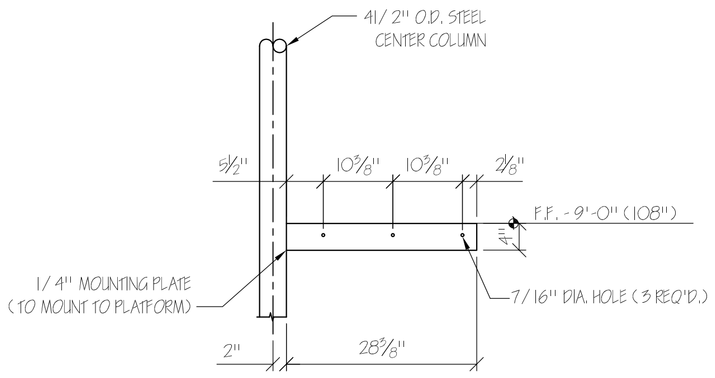
VIEW "A-A"
SCALE: 1"=1'-0"



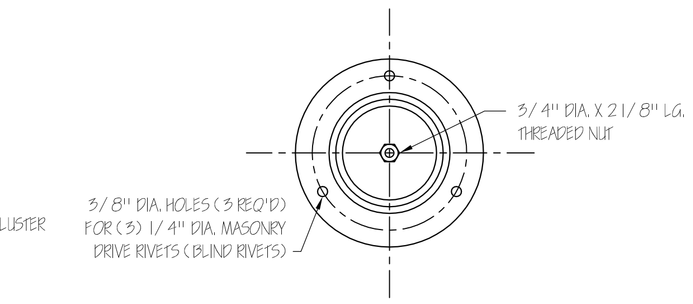
HANDRAIL CAP DETAIL
SCALE: 6"=1'-0"

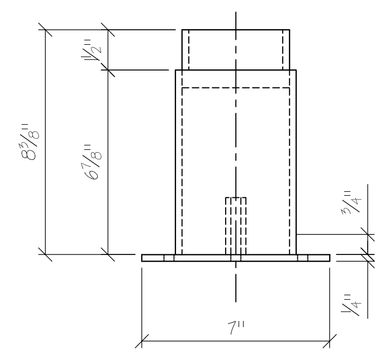


ALUMINUM CAP DETAIL
SCALE: 6"=1'-0"

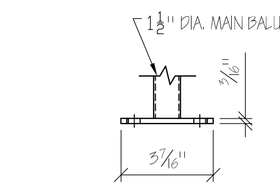


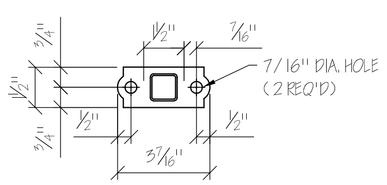
MOUNTING PLATE DETAIL
SCALE: 3/ 4"=1'-0"



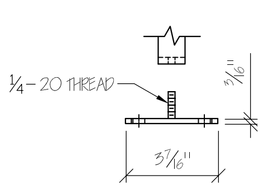


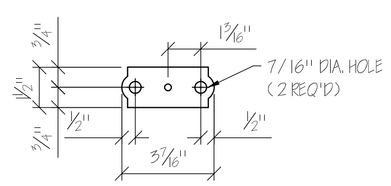
BASE PLATE DETAIL
SCALE: 3"=1'-0"



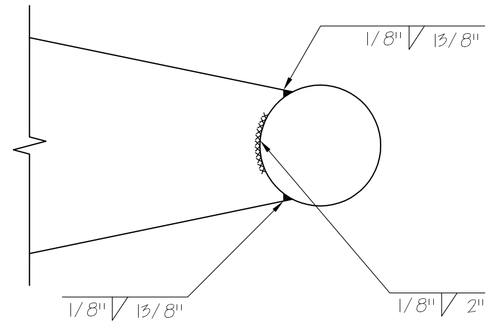


DETAIL "1"
SCALE: 3"=1'-0"

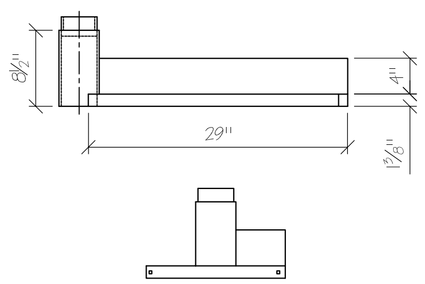


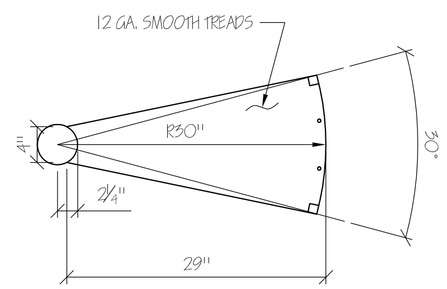


DETAIL "2"
SCALE: 3"=1'-0"



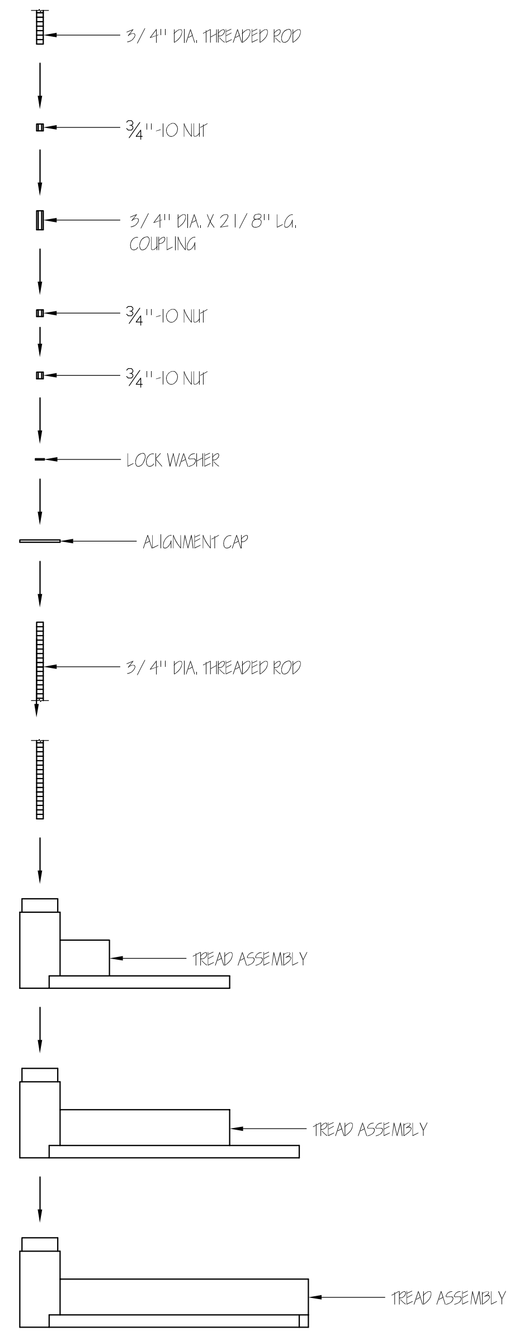
TREAD WELD DETAIL
SCALE: 3"=1'-0"

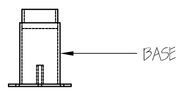




TREAD DETAIL
SCALE: 1"=1'-0"

HANDRAIL PROFILE
SCALE: 6"=1'-0"





ASSEMBLY DETAIL
SCALE: 1"=1'-0"

MINIMUM DESIGN CRITERIA:
- TREADS & PLATFORMS:
  - UNIFORM LOAD OF 100 LBF / SQ. FT. AND OR CONCENTRATED LOAD OF 300 LBF ON AN AREA OF 4 SQ. IN.
- HANDRAILS & RAILINGS:
  - UNIFORM LOAD OF 50 LBF / FT. APPLIED HORIZONTAL AND CONCURRENTLY WITH UNIFORM LOAD OF 100 LBF / FT. APPLIED VERTICALLY DOWNWARD.
- HANDRAILS NOT SERVING AS TOP RAILS:
  - CONCENTRATED LOAD OF 200 LBF APPLIED AT ANY POINT AND IN ANY DIRECTION.
  - UNIFORM LOAD OF 50 LBF / FT. APPLIED IN ANY DIRECTION.
- MAXIMUM DEFLECTION:
  - L / 360 OR 1/ 4"IN. WHICHEVER IS LESS.

NOTES:
1. DUE TO THE NUMEROUS USES OF SPIRAL STAIRS IT IS THE RESPONSIBILITY OF SPIRAL STAIRS OF AMERICA TO BUILD TO BROCHURE SPECIFICATIONS. ADHERENCE TO LOCAL CODES REMAINS THE RESPONSIBILITY OF THE PURCHASER. ALTHOUGH SUGGESTIONS MAY BE MADE, IT IS THE PURCHASER'S RESPONSIBILITY TO MAKE CERTAIN THE STAIRS MEETS THEIR APPLICATION.
2. DUE TO PRODUCTION RUNS, DIMENSIONS MAY VARY SLIGHTLY.
3. HARDWARE NOT INCLUDED.
4. STAIR SYSTEM TO BE PRIME COATED.

TITLE:
SPIRAL STAIR STEEL KIT

CUSTOMER:
SAMPLE STANDARD STEEL SPIRAL STAIR KIT

DRAWN BY: M.TERELLA	SPIRAL STAIRS OF AMERICA
DATE: 05/ 08/ 2009	1700 SPIRAL COURT
SCALE: NOTED	ERIE, PENNSYLVANIA 16510
DWG. NO.: SK-1	(814) 898-3700 FAX: (814) 899-9139

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