

Egress Data

The following opening specifications have been provided to assist you in determining compliance to Egress codes based on BOCA and UBC code requirements as follows. Each criteria below must be met to be considered an egress window unit.

1. The units must be operable from the inside without the use of separate tools.
2. All egress from sleeping rooms must have a minimum net clear opening of 5.7 square feet.
3. The minimum net clear opening height dimension shall be 24".
The minimum net clear opening width dimension shall be 20".
4. The Floor To Sill Height Column is calculated by measuring from the clear opening sill (when unit is open) to the floor. This height cannot be more than 44" above the floor.

- Calculations based on 82 1/2" header height.
- Calculations based on 50/50 Sash Split
- E meets Egress
- Charts can be used are for all glass types available.

Light, Vent & Egress Data

Spiral Balances is standard option with balance covers. Egress units with block & tackle balances have no balance covers.

CALLOUT & R. O.	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH SIZE Bottom (WIDTH & HEIGHT)	GLASS SIZE Upper & Lower (WIDTH & HEIGHT)	EGRESS DATA				LIGHT	VENT
				TOTAL SQ. FT. CLEAR OPENING (Minimum 5.7 sq ft)	CLEAR OPENING WIDTH (Minimum 20")	CLEAR OPENING HEIGHT (Minimum 24")	FLOOR TO SILL HEIGHT (Can not exceed 44")	DAYLIGHT OPENING SQ. FT. Per Sash	VENTILATION SQ. FT.
18 x 30	17.50" x 29.50"	15.3125" x 13.5625"	13.8125" x 12.0625"	0.88	13"	9.725"	53"	1.016	0.88
18 x 36	17.50" x 35.50"	15.3125" x 16.5625"	13.8125" x 15.0625"	1.15	13"	12.725"	47"	1.286	1.15
18 x 42	17.50" x 41.50"	15.3125" x 19.5625"	13.8125" x 18.0625"	1.42	13"	15.725"	41"	1.557	1.42
18 x 48	17.50" x 47.50"	15.3125" x 22.5625"	13.8125" x 21.0625"	1.69	13"	18.725"	35"	1.828	1.69
18 x 54	17.50" x 53.50"	15.3125" x 25.5625"	13.8125" x 24.0625"	1.96	13"	21.725"	29"	2.099	1.96
18 x 60	17.50" x 59.50"	15.3125" x 28.5625"	13.8125" x 27.0625"	2.23	13"	24.725"	23"	2.370	2.23
18 x 66	17.50" x 65.50"	15.3125" x 31.5625"	13.8125" x 30.0625"	2.50	13"	27.725"	17"	2.641	2.50
18 x 72	17.50" x 71.50"	15.3125" x 34.5625"	13.8125" x 33.0625"	2.77	13"	30.725"	11"	2.911	2.77

CALLOUT & R. O.	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH SIZE Bottom (WIDTH & HEIGHT)	GLASS SIZE Upper & Lower (WIDTH & HEIGHT)		CLEAR OPENING WIDTH (Minimum 20")	CLEAR OPENING HEIGHT (Minimum 24")	FLOOR TO SILL HEIGHT (Can not exceed 44")	DAYLIGHT OPENING SQ. FT. Per Sash	VENTILATION SQ. FT.
24 x 30	23.50" x 29.50"	21.3125" x 13.5625"	19.8125" x 12.0625"	1.28	19"	9.725"	53"	1.484	1.28
24 x 36	23.50" x 35.50"	21.3125" x 16.5625"	19.8125" x 15.0625"	1.68	19"	12.725"	47"	1.880	1.68
24 x 42	23.50" x 41.50"	21.3125" x 19.5625"	19.8125" x 18.0625"	2.07	19"	15.725"	41"	2.276	2.07
24 x 48	23.50" x 47.50"	21.3125" x 22.5625"	19.8125" x 21.0625"	2.47	19"	18.725"	35"	2.672	2.47
24 x 54	23.50" x 53.50"	21.3125" x 25.5625"	19.8125" x 24.0625"	2.87	19"	21.725"	29"	3.068	2.87
24 x 60	23.50" x 59.50"	21.3125" x 28.5625"	19.8125" x 27.0625"	3.26	19"	24.725"	23"	3.464	3.26
24 x 66	23.50" x 65.50"	21.3125" x 31.5625"	19.8125" x 30.0625"	3.66	19"	27.725"	17"	3.859	3.66
24 x 72	23.50" x 71.50"	21.3125" x 34.5625"	19.8125" x 33.0625"	4.05	19"	30.725"	11"	4.255	4.05

CALLOUT & R. O.	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH SIZE Bottom (WIDTH & HEIGHT)	GLASS SIZE Upper & Lower (WIDTH & HEIGHT)		CLEAR OPENING WIDTH (Minimum 20")	CLEAR OPENING HEIGHT (Minimum 24")	FLOOR TO SILL HEIGHT (Can not exceed 44")	DAYLIGHT OPENING SQ. FT. Per Sash	VENTILATION SQ. FT.
30 x 30	29.50" x 29.50"	27.3125" x 13.5625"	25.8125" x 12.0625"	1.69	25"	9.725"	53"	1.953	1.69
30 x 36	29.50" x 35.50"	27.3125" x 16.5625"	25.8125" x 15.0625"	2.21	25"	12.725"	47"	2.474	2.21
30 x 42	29.50" x 41.50"	27.3125" x 19.5625"	25.8125" x 18.0625"	2.73	25"	15.725"	41"	2.995	2.73
30 x 48	29.50" x 47.50"	27.3125" x 22.5625"	25.8125" x 21.0625"	3.25	25"	18.725"	35"	3.512	3.25
30 x 54	29.50" x 53.50"	27.3125" x 25.5625"	25.8125" x 24.0625"	3.77	25"	21.725"	29"	4.036	3.77
30 x 60	29.50" x 59.50"	27.3125" x 28.5625"	25.8125" x 27.0625"	4.29	25"	24.725"	23"	4.557	4.29
30 x 66	29.50" x 65.50"	27.3125" x 31.5625"	25.8125" x 30.0625"	4.81	25"	27.725"	17"	5.078	4.81
30 x 72	29.50" x 71.50"	27.3125" x 34.5625"	25.8125" x 33.0625"	5.33	25"	30.725"	11"	5.599	5.33

Egress Data

The following opening specifications have been provided to assist you in determining compliance to Egress codes based on BOCA and UBC code requirements as follows. Each criteria below must be met to be considered an egress window unit.

1. The units must be operable from the inside without the use of separate tools.
2. All egress from sleeping rooms must have a minimum net clear opening of 5.7 square feet.
3. The minimum net clear opening height dimension shall be 24".
The minimum net clear opening width dimension shall be 20".
4. The Floor To Sill Height Column is calculated by measuring from the clear opening sill (when unit is open) to the floor. This height cannot be more than 44" above the floor.

- Calculations based on 82 1/2" header height unless otherwise noted.
- Calculations based on 50/50 Sash Split
- **E** meets Egress
- Charts can be used are for all glass types available.

Light, Vent & Egress Data

Spiral Balances is standard option with balance covers. Egress units with block & tackle balances have no balance covers.

CALLOUT & R.O. Custom Sizes	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH SIZE Bottom (WIDTH & HEIGHT)	GLASS SIZE Upper & Lower (WIDTH & HEIGHT)	EGRESS DATA				LIGHT	VENT
				TOTAL SQ. FT. CLEAR OPENING (Minimum 5.7 sq ft)	CLEAR OPENING WIDTH (Minimum 20")	CLEAR OPENING HEIGHT (Minimum 24")	FLOOR TO SILL HEIGHT (Can not exceed 44")	DAYLIGHT OPENING SQ. FT. Per Sash	VENTILATION SQ. FT.
33 x 30	32.50" x 29.50"	30.3125" x 13.5625"	28.8125" x 12.0625"	1.89	28"	9.725"	53"	1.953	1.89
33 x 36	32.50" x 35.50"	30.3125" x 16.5625"	28.8125" x 15.0625"	2.47	28"	12.725"	47"	2.474	2.47
33 x 42	32.50" x 41.50"	30.3125" x 19.5625"	28.8125" x 18.0625"	3.06	28"	15.725"	41"	2.995	3.06
33 x 48	32.50" x 47.50"	30.3125" x 22.5625"	28.8125" x 21.0625"	3.64	28"	18.725"	35"	3.512	3.64
33 x 54	32.50" x 53.50"	30.3125" x 25.5625"	28.8125" x 24.0625"	4.22	28"	21.725"	29"	4.036	4.22
33 x 60	32.50" x 59.50"	30.3125" x 28.5625"	28.8125" x 27.0625"	4.81	28"	24.725"	23"	4.557	4.81
33 x 66	32.50" x 59.50"	30.3125" x 28.5625"	28.8125" x 27.0625"	5.39	28"	27.725"	17"	5.078	5.39
33 x 66 E₁	32.50" x 65.50"	30.3125" x 31.5625"	28.8125" x 30.0625"	5.73	28"	29.486"	17"	5.078	5.73
33 x 72 E	32.50" x 71.50"	30.3125" x 34.5625"	28.8125" x 33.0625"	5.97	28"	30.725"	11"	5.599	5.97

E₁ Will meet egress with block & tackle balance system, please specify egress option when ordering. Block & tackle balance systems do not have balance covers.

CALLOUT & R.O.	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH SIZE Bottom (WIDTH & HEIGHT)	GLASS SIZE Upper & Lower (WIDTH & HEIGHT)	EGRESS DATA				LIGHT	VENTILATION
				TOTAL SQ. FT. CLEAR OPENING (Minimum 5.7 sq ft)	CLEAR OPENING WIDTH (Minimum 20")	CLEAR OPENING HEIGHT (Minimum 24")	FLOOR TO SILL HEIGHT (Can not exceed 44")	DAYLIGHT OPENING SQ. FT. Per Sash	SQ. FT.
36 x 30	35.50" x 29.50"	33.3125" x 13.5625"	31.8125" x 12.0625"	2.09	31"	9.725"	53"	2.422	2.09
36 x 36	35.50" x 35.50"	33.3125" x 16.5625"	31.8125" x 15.0625"	2.74	31"	12.725"	47"	3.068	2.74
36 x 42	35.50" x 41.50"	33.3125" x 19.5625"	31.8125" x 18.0625"	3.39	31"	15.725"	41"	3.713	3.39
36 x 48	35.50" x 47.50"	33.3125" x 22.5625"	31.8125" x 21.0625"	4.03	31"	18.725"	35"	4.359	4.03
36 x 54	35.50" x 53.50"	33.3125" x 25.5625"	31.8125" x 24.0625"	4.68	31"	21.725"	29"	5.005	4.68
36 x 60	35.50" x 59.50"	33.3125" x 28.5625"	31.8125" x 27.0625"	5.32	31"	24.725"	23"	5.651	5.32
36 x 60 E₁	35.50" x 59.50"	33.3125" x 28.5625"	31.8125" x 27.0625"	5.70	31"	26.486"	23"	5.651	5.70
36 x 66 E	35.50" x 65.50"	33.3125" x 31.5625"	31.8125" x 30.0625"	5.97	31"	27.725"	17"	6.297	5.97
36 x 72 E	35.50" x 71.50"	33.3125" x 34.5625"	31.8125" x 33.0625"	6.61	31"	30.725"	11"	6.943	6.61

E₁ Will meet egress with block & tackle balance system, please specify egress option when ordering. Block & tackle balance systems do not have balance covers.

CALLOUT & R.O.	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH SIZE Bottom (WIDTH & HEIGHT)	GLASS SIZE Upper & Lower (WIDTH & HEIGHT)	EGRESS DATA				LIGHT	VENTILATION
				TOTAL SQ. FT. CLEAR OPENING (Minimum 5.7 sq ft)	CLEAR OPENING WIDTH (Minimum 20")	CLEAR OPENING HEIGHT (Minimum 24")	FLOOR TO SILL HEIGHT (Can not exceed 44")	DAYLIGHT OPENING SQ. FT. Per Sash	SQ. FT.
42 x 30	41.50" x 29.50"	39.3125" x 13.5625"	37.8125" x 12.0625"	2.50	37"	9.725"	53"	2.8697	2.50
42 x 36	41.50" x 35.50"	39.3125" x 16.5625"	37.8125" x 15.0625"	3.27	37"	12.725"	47"	3.6392	3.27
42 x 42	41.50" x 41.50"	39.3125" x 19.5625"	37.8125" x 18.0625"	4.04	37"	15.725"	41"	4.4088	4.04
42 x 48	41.50" x 47.50"	39.3125" x 22.5625"	37.8125" x 21.0625"	4.81	37"	18.725"	35"	5.1783	4.81
42 x 54	41.50" x 53.50"	39.3125" x 25.5625"	37.8125" x 24.0625"	5.58	37"	21.725"	29"	5.9478	5.58
42 x 60 E	41.50" x 59.50"	39.3125" x 28.5625"	37.8125" x 27.0625"	6.35	37"	24.725"	23"	6.7174	6.35
42 x 66 E	41.50" x 65.50"	39.3125" x 31.5625"	37.8125" x 30.0625"	7.12	37"	27.725"	17"	7.4869	7.12
42 x 72 E	41.50" x 71.50"	39.3125" x 34.5625"	37.8125" x 33.0625"	7.89	37"	30.725"	11"	8.2564	7.89



Windows & Doors

Builders' Single Hung Windows, Continuous Frame with Block & Tackle Balances

2 Wide Size Chart

2 WIDE CHART Page 1 of 1	Scale: 1/2" = 1'-0"
Date: 02/2014	Drawn By: JJB

Egress:

E Will Meet Egress

** Calculations based on 82 1/2" header height.

CALLOUT & ROUGH OPENING	OVERALL BASIC UNIT SIZE (WIDTH & HEIGHT)
18 x 30 - 2W	35" x 29.50"
18 x 36 - 2W	35" x 35.50"
18 x 42 - 2W	35" x 41.50"
18 x 48 - 2W	35" x 47.50"
18 x 54 - 2W	35" x 53.50"
18 x 60 - 2W	35" x 59.50"
18 x 66 - 2W	35" x 65.50"
18 x 72 - 2W	35" x 71.50"

CALLOUT & ROUGH OPENING	OVERALL BASIC UNIT SIZE (WIDTH & HEIGHT)
24 x 30 - 2W	47" x 29.50"
24 x 36 - 2W	47" x 35.50"
24 x 42 - 2W	47" x 41.50"
24 x 48 - 2W	47" x 47.50"
24 x 54 - 2W	47" x 53.50"
24 x 60 - 2W	47" x 59.50"
24 x 66 - 2W	47" x 65.50"
24 x 72 - 2W	47" x 71.50"

CALLOUT & ROUGH OPENING	OVERALL BASIC UNIT SIZE (WIDTH & HEIGHT)
30 x 30 - 2W	59" x 29.50"
30 x 36 - 2W	59" x 35.50"
30 x 42 - 2W	59" x 41.50"
30 x 48 - 2W	59" x 47.50"
30 x 54 - 2W	59" x 53.50"
30 x 60 - 2W	59" x 59.50"
30 x 66 - 2W	59" x 65.50"
30 x 72 - 2W	59" x 71.50"

CALLOUT & ROUGH OPENING	OVERALL BASIC UNIT SIZE (WIDTH & HEIGHT)
36 x 30 - 2W	71" x 29.50"
36 x 36 - 2W	71" x 35.50"
36 x 42 - 2W	71" x 41.50"
36 x 48 - 2W	71" x 47.50"
36 x 54 - 2W	71" x 53.50"
36 x 60 - 2W ^E ₁	71" x 59.50"
36 x 66 - 2W ^E	71" x 65.50"
36 x 72 - 2W ^E	71" x 71.50"

CALLOUT & ROUGH OPENING	OVERALL BASIC UNIT SIZE (WIDTH & HEIGHT)
42 x 30 - 2W	83" x 29.50"
42 x 36 - 2W	83" x 35.50"
42 x 42 - 2W	83" x 41.50"
42 x 48 - 2W	83" x 47.50"
42 x 54 - 2W	83" x 53.50"
42 x 60 - 2W ^E	83" x 59.50"
42 x 66 - 2W ^E	83" x 65.50"
42 x 72 - 2W ^E	83" x 71.50"

^E₁ Will meet egress with block & tackle balance system, please specify egress option when ordering. Block & tackle balance systems do not have balance covers.

Builders' Single Hung Windows, Continuous Frame with Block & Tackle Balances

3 Wide Size Chart

2 WIDE CHART Page 1 of 1	Scale: 1/2" = 1'-0"
Date: 02/2014	Drawn By: JJB

Egress:

E Will Meet Egress

** Calculations based on 82 1/2" header height.

CALLOUT & ROUGH OPENING	OVERALL BASIC UNIT SIZE (WIDTH & HEIGHT)
18 x 30 - 3W	52.50" x 29.50"
18 x 36 - 3W	52.50" x 35.50"
18 x 42 - 3W	22.50" x 41.50"
18 x 48 - 3W	52.50" x 47.50"
18 x 54 - 3W	52.50" x 53.50"
18 x 60 - 3W	52.50" x 59.50"
18 x 66 - 3W	52.50" x 65.50"
18 x 72 - 3W	52.50" x 71.50"

CALLOUT & ROUGH OPENING	OVERALL BASIC UNIT SIZE (WIDTH & HEIGHT)
24 x 30 - 3W	70.50" x 29.50"
24 x 36 - 3W	70.50" x 35.50"
24 x 42 - 3W	70.50" x 41.50"
24 x 48 - 3W	70.50" x 47.50"
24 x 54 - 3W	70.50" x 53.50"
24 x 60 - 3W	70.50" x 59.50"
24 x 66 - 3W	70.50" x 65.50"
24 x 72 - 3W	70.50" x 71.50"

CALLOUT & ROUGH OPENING	OVERALL BASIC UNIT SIZE (WIDTH & HEIGHT)
30 x 30 - 3W	88.50" x 29.50"
30 x 36 - 3W	88.50" x 35.50"
30 x 42 - 3W	88.50" x 41.50"
30 x 48 - 3W	88.50" x 47.50"
30 x 54 - 3W	88.50" x 53.50"
30 x 60 - 3W	88.50" x 59.50"
30 x 66 - 3W	88.50" x 65.50"
30 x 72 - 3W	88.50" x 71.50"

CALLOUT & ROUGH OPENING	OVERALL BASIC UNIT SIZE (WIDTH & HEIGHT)
36 x 30 - 3W	106.50" x 29.50"
36 x 36 - 3W	106.50" x 35.50"
36 x 42 - 3W	106.50" x 41.50"
36 x 48 - 3W	106.50" x 47.50"
36 x 54 - 3W	106.50" x 53.50"
36 x 60 - 3W ^E ₁	106.50" x 59.50"
36 x 66 - 3W ^E	106.50" x 65.50"
36 x 72 - 3W ^E	106.50" x 71.50"

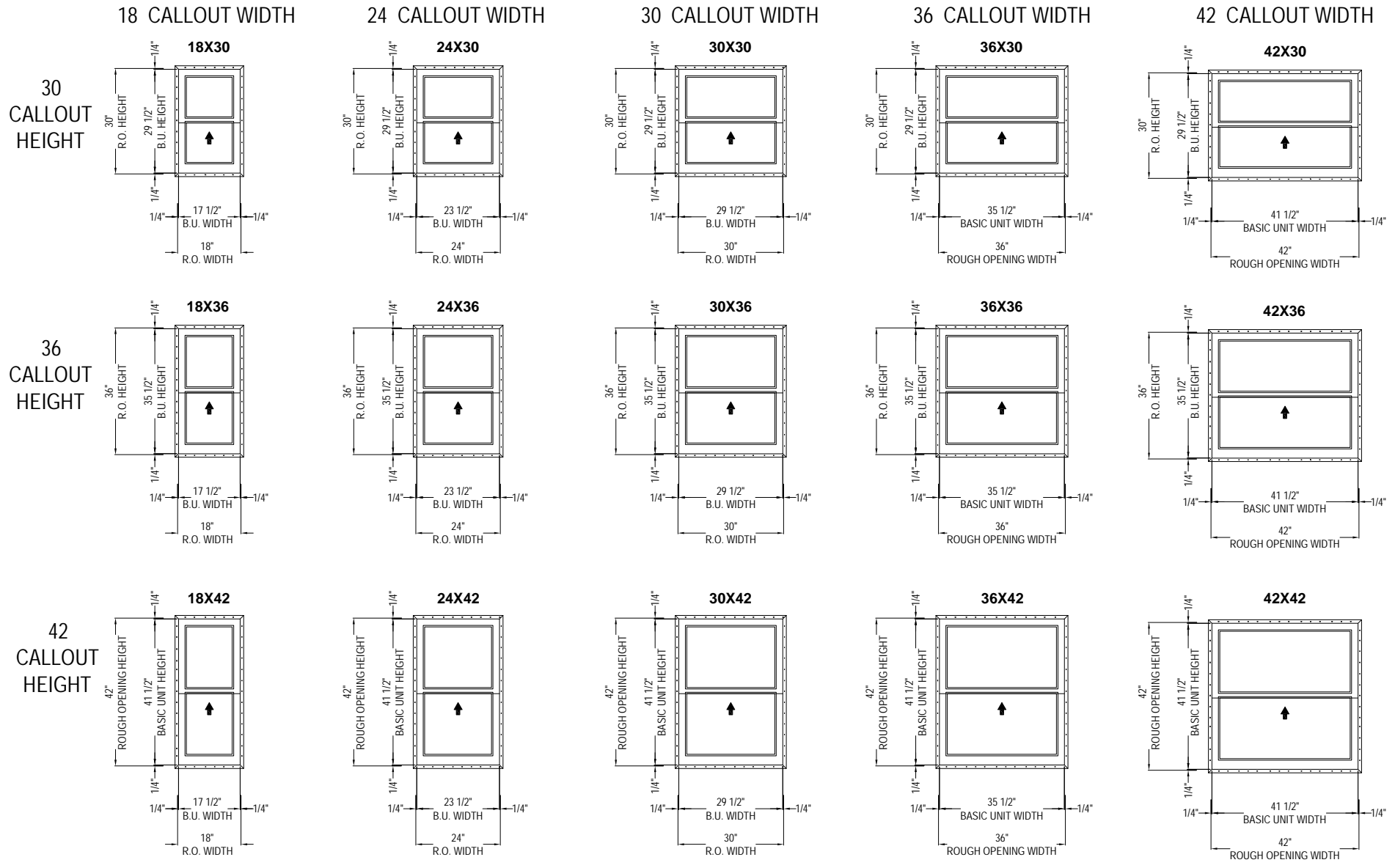
CALLOUT & ROUGH OPENING	OVERALL BASIC UNIT SIZE (WIDTH & HEIGHT)
42 x 30 - 3W	124.50" x 29.50"
42 x 36 - 3W	124.50" x 35.50"
42 x 42 - 3W	124.50" x 41.50"
42 x 48 - 3W	124.50" x 47.50"
42 x 54 - 3W	124.50" x 53.50"
42 x 60 - 3W ^E	124.50" x 59.50"
42 x 66 - 3W ^E	124.50" x 65.50"
42 x 72 - 3W ^E	124.50" x 71.50"

^E₁ Will meet egress with block & tackle balance system, please specify egress option when ordering. Block & tackle balance systems do not have balance covers.

Builders' Single Hung Window Elevations

50x50 Sash Split

Elevations Page 1 of 3	Scale: 1/2" = 1'-0"
Date: 02/2014	Drawn By: JJB



Builders' Single Hung Window Elevations

Elevations Page 2 of 3	Scale: 1/2" = 1'-0"
Date: 02/2014	Drawn By: JJB

18 CALLOUT WIDTH

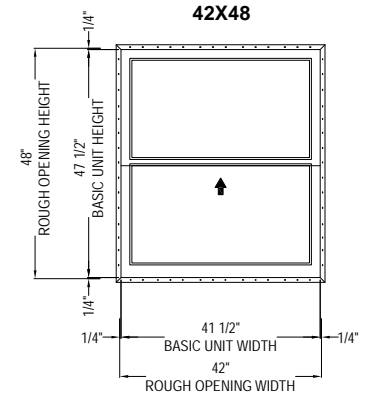
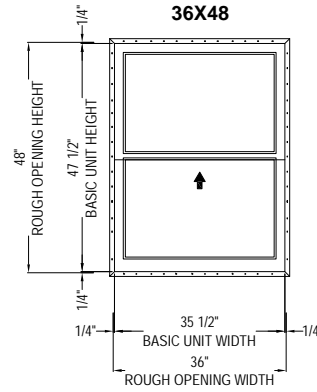
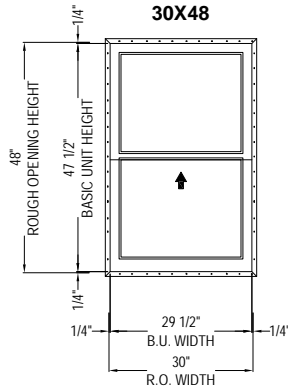
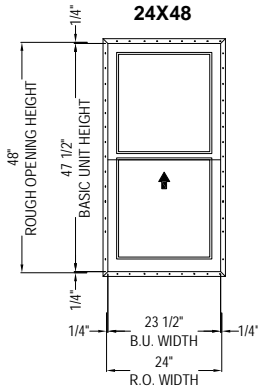
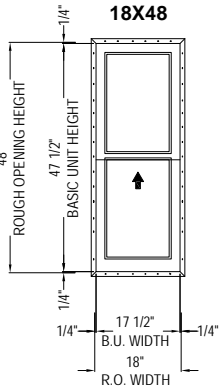
24 CALLOUT WIDTH

50/50 Sash Split
30 CALLOUT WIDTH

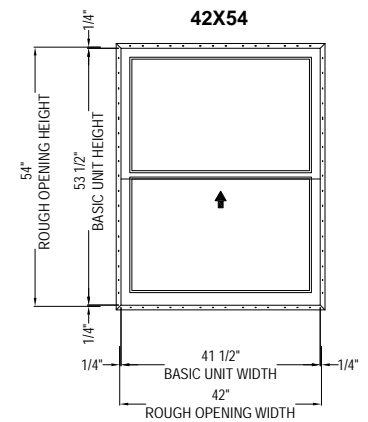
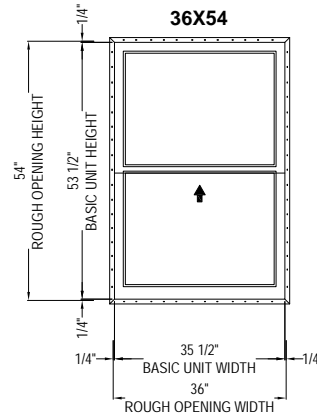
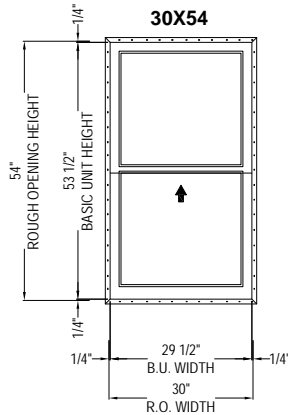
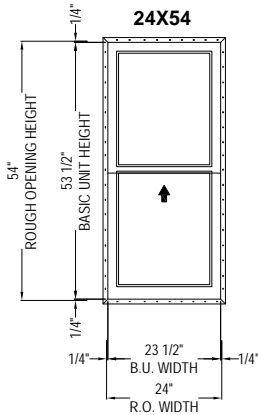
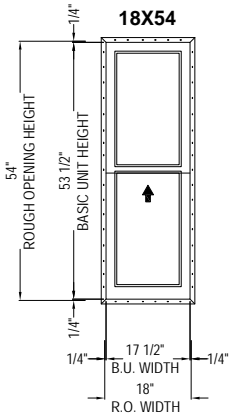
36 CALLOUT WIDTH

42 CALLOUT WIDTH

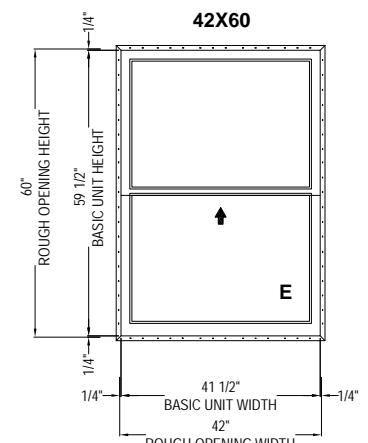
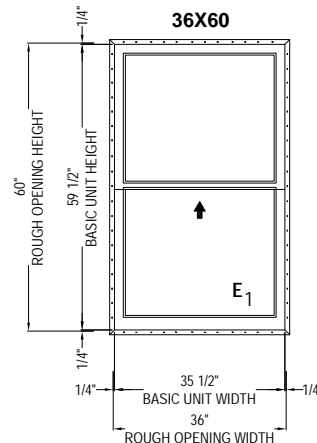
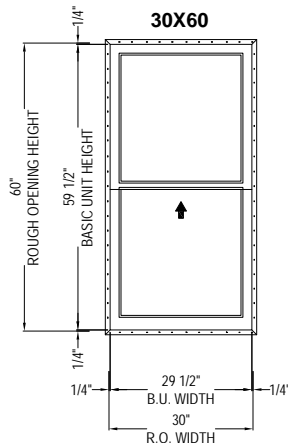
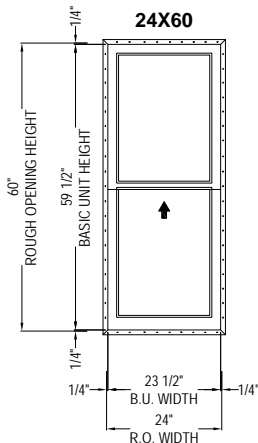
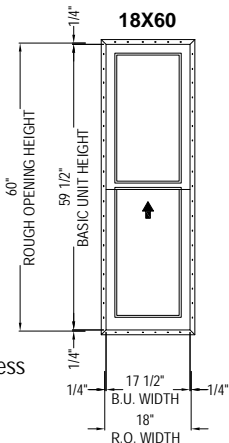
48
CALLOUT
HEIGHT



54
CALLOUT
HEIGHT



60
CALLOUT
HEIGHT



Egress:
E Will Meet Egress

E₁ Will meet egress with block & tackle balance system, please specify egress option when ordering. Block & tackle balance systems do not have balance covers

18 CALLOUT WIDTH

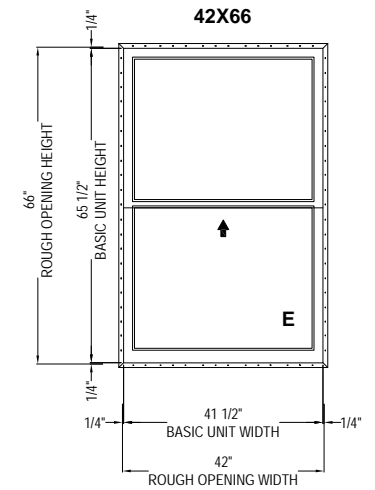
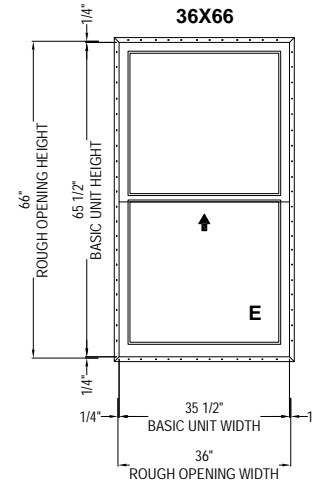
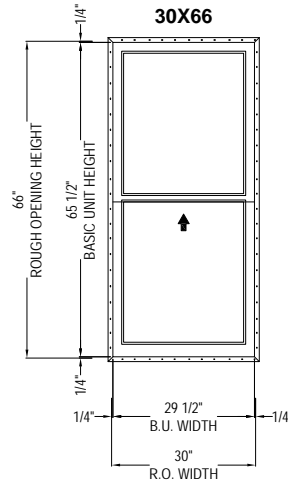
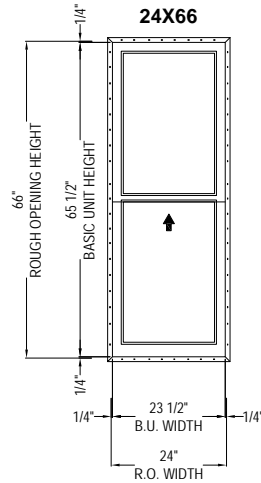
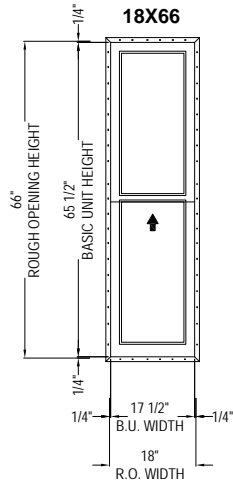
24 CALLOUT WIDTH

30 CALLOUT WIDTH

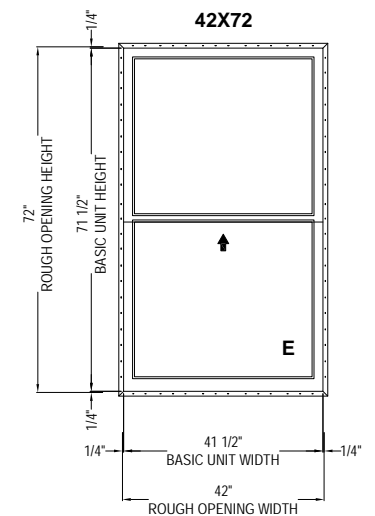
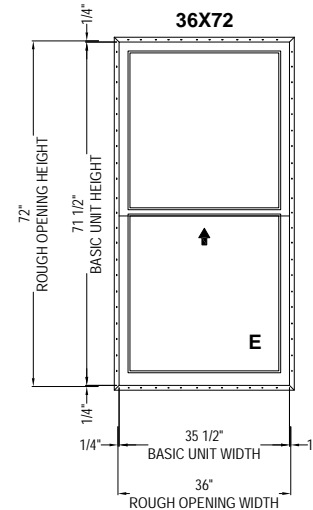
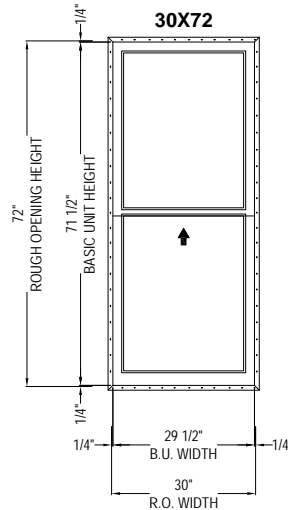
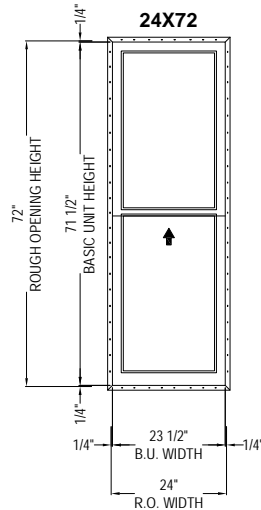
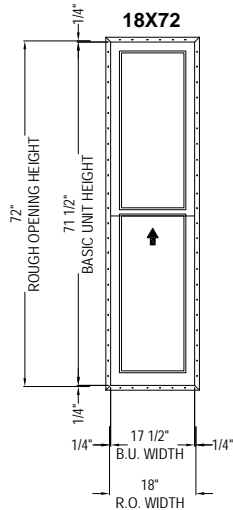
36 CALLOUT WIDTH

42 CALLOUT WIDTH

66
CALLOUT
HEIGHT



72
CALLOUT
HEIGHT



Egress:
E Will Meet Egress