

Egress Data Windows & Doors

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.

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.
- E meets Egress

Daylight Opening Sizing Formulas, Each Sash

- Glass Width - 1.00"
- Glass Height - 1.00"
- Clear Opening Sizing Formulas, Each Sash
- Clear Opening Width = (Basic Unit Width / 2) - 4.00"
- Clear Opening Height = Basic Unit Height - 4.50"

Sizing Width Formulas

- Basic Unit Width = Glass Width X 2 + 2.312"
- Fixed Glass Width = Basic Unit Width / 2 - 2.312"
- Sash Glass Width = Basic Unit Width / 2 - 2.312"
- Screen Width = Sash Glass Width - 0.312"

Sizing Height Formulas

- Basic Unit Height = Sash Glass Height + 4.438" or Fixed Glass Height + 3.688"
- Fixed Glass Height = Basic Unit Height - 3.688"
- Sash Glass Height = Basic Unit Height - 4.438"
- Sash Height = Sash Glass Height + 1.5625"
- Screen Height = Sash Glass Height + 0.938"

EGRESS						LIGHT			VENT		
CALLOUT & ROUGH OPENING	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH WIDTH	SASH HEIGHT	GLASS WIDTH Each Sash	GLASS HEIGHT Each Sash	TOTAL SQ. FT. EGRESS CLEAR OPENING	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	FLOOR TO SILL HEIGHT (Can not exceed 44")	DAYLIGHT OPENING SQ. FT. Per Sash	VENTILATION SQ. FT.
30 x 24	29.50" x 23.50"	Inner 14"; Outer Sash Glass 12.4375"	Left 20.625"; Right 21.375"	12.4375"	Left Operating 19.0625"; Right Fixed 19.8125"	1.4181	10.75"	18.996"	61.25"	Left 1.43465; Right 1.49422	1.4181
30 x 36	29.50" x 35.50"	Inner 14"; Outer Sash Glass 12.4375"	Left 32.625"; Right 33.375"	12.4375"	Left Operating 31.0625"; Right Fixed 31.8125"	2.3139	10.75"	30.996"	49.25"	Left 2.3878; Right 2.4473	2.3139
30 x 42	29.50" x 41.50"	Inner 14"; Outer Sash Glass 12.4375"	Left 38.625"; Right 39.375"	12.4375"	Left Operating 37.0625"; Right Fixed 37.8125"	2.7619	10.75"	36.996"	43.25"	Left 2.8643; Right 2.9239	2.7619
30 x 48	29.50" x 47.50"	Inner 14"; Outer Sash Glass 12.4375"	Left 44.625"; Right 45.375"	12.4375"	Left Operating 43.0625"; Right Fixed 43.8125"	3.2098	10.75"	42.996"	37.25"	Left 3.3409; Right 3.4005	3.2098
30 x 60	29.50" x 59.50"	Inner 14"; Outer Sash Glass 12.4375"	Left 56.625"; Right 57.375"	12.4375"	Left Operating 55.0625"; Right Fixed 55.8125"	4.1056	10.75"	54.996"	25.25"	Left 4.2940; Right 4.3536	4.1056

EGRESS						LIGHT			VENT		
CALLOUT & ROUGH OPENING	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH WIDTH	SASH HEIGHT	GLASS WIDTH Each Sash	GLASS HEIGHT Each Sash	TOTAL SQ. FT. EGRESS CLEAR OPENING	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	FLOOR TO SILL HEIGHT (Can not exceed 44")	DAYLIGHT OPENING SQ. FT. Per Sash	VENTILATION SQ. FT.
36 x 24	35.50" x 23.50"	Inner 17"; Outer Sash Glass 15.4375"	Left 20.625"; Right 21.375"	15.4375"	Left Operating 19.0625"; Right Fixed 19.8125"	1.8139	13.75"	18.996"	61.25"	Left 1.811; Right 1.88615	1.8139
36 x 36	35.50" x 35.50"	Inner 17"; Outer Sash Glass 15.4375"	Left 32.625"; Right 33.375"	15.4375"	Left Operating 31.0625"; Right Fixed 31.8125"	2.9597	13.75"	30.996"	49.25"	Left 3.0141; Right 3.08927	2.9597
36 x 42	35.50" x 41.50"	Inner 17"; Outer Sash Glass 15.4375"	Left 38.625"; Right 39.375"	15.4375"	Left Operating 37.0625"; Right Fixed 37.8125"	3.5326	13.75"	36.996"	43.25"	Left 3.6156; Right 3.6908	3.5326
36 x 48	35.50" x 47.50"	Inner 17"; Outer Sash Glass 15.4375"	Left 44.625"; Right 45.375"	15.4375"	Left Operating 43.0625"; Right Fixed 43.8125"	4.1055	13.75"	42.996"	37.25"	Left 4.2172; Right 4.2924	4.1055
36 x 60	35.50" x 59.50"	Inner 17"; Outer Sash Glass 15.4375"	Left 56.625"; Right 57.375"	15.4375"	Left Operating 55.0625"; Right Fixed 55.8125"	5.2513	13.75"	54.996"	25.25"	Left 5.4203; Right 5.4955	5.2513

EGRESS						LIGHT			VENT		
CALLOUT & ROUGH OPENING	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH WIDTH	SASH HEIGHT	GLASS WIDTH Each Sash	GLASS HEIGHT Each Sash	TOTAL SQ. FT. EGRESS CLEAR OPENING	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	FLOOR TO SILL HEIGHT (Can not exceed 44")	DAYLIGHT OPENING SQ. FT. Per Sash	VENTILATION SQ. FT.
48 x 24	47.50" x 23.50"	Inner 23"; Outer Sash Glass 21.4375"	Left 20.625"; Right 21.375"	21.4375"	Left Operating 19.0625"; Right Fixed 19.8125"	2.6054	19.75"	18.996"	61.25"	Left 2.5634; Right 2.67	2.6054
48 x 36	47.50" x 35.50"	Inner 23"; Outer Sash Glass 21.4375"	Left 32.625"; Right 33.375"	21.4375"	Left Operating 31.0625"; Right Fixed 31.8125"	4.251	19.75"	30.996"	49.25"	Left 4.267; Right 4.3731	4.251
48 x 42	47.50" x 41.50"	Inner 23"; Outer Sash Glass 21.4375"	Left 38.625"; Right 39.375"	21.4375"	Left Operating 37.0625"; Right Fixed 37.8125"	5.0741	19.75"	36.996"	43.25"	Left 5.1183; Right 5.2247	5.0741
48 x 48	47.50" x 47.50"	Inner 23"; Outer Sash Glass 21.4375"	Left 44.625"; Right 45.375"	21.4375"	Left Operating 43.0625"; Right Fixed 43.8125"	5.8970	19.75"	42.996"	37.25"	Left 5.9698; Right 6.0763	5.8970
48 x 60	47.50" x 59.50"	Inner 23"; Outer Sash Glass 21.4375"	Left 56.625"; Right 57.375"	21.4375"	Left Operating 55.0625"; Right Fixed 55.8125"	7.5429	19.75"	54.996"	25.25"	Left 7.6729; Right 7.7794	7.5429

EGRESS						LIGHT			VENT		
NON-STANDARD CALLOUT & ROUGH OPENING	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH WIDTH	SASH HEIGHT	GLASS WIDTH Each Sash	GLASS HEIGHT Each Sash	TOTAL SQ. FT. EGRESS CLEAR OPENING	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	FLOOR TO SILL HEIGHT (Can not exceed 44")	DAYLIGHT OPENING SQ. FT. Per Sash	VENTILATION SQ. FT.
48.25 x 48 ^E	47.75" x 47.50"	Inner 23.125"; Outer Sash Glass 21.563"	Left 56.625"; Right 57.375"	21.5625"	Left Operating 43.0625"; Right Fixed 43.8125"	5.9717	20"	42.996"	37.25"	Left 6.005; Right 6.112	5.9717
48.25 x 60 ^E	47.75" x 59.50"	Inner 23.125"; Outer Sash Glass 21.563"	Left 56.625"; Right 57.375"	21.5625"	Left Operating 55.0625"; Right Fixed 55.8125"	7.6383	20"	54.996"	25.25"	Left 7.768; Right 7.906	7.6383

Smallest Unit Size that Meets Egress

- 47.75" x 47.5" Basic Unit Size

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- Calculations based on 82 1/2" header height.
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Daylight Opening Sizing Formulas, Each Sash

- Glass Width - 1.00"
- Glass Height - 1.00"
- Clear Opening Sizing Formulas, Each Sash
- Clear Opening Width = (Basic Unit Width / 2) - 4.00"
- Clear Opening Height = Basic Unit Height - 4.50"

Sizing Width Formulas

- Basic Unit Width = Glass Width X 2 + 2.312"
- Fixed Glass Width = Basic Unit Width / 2 - 2.312"
- Sash Glass Width = Basic Unit Width / 2 - 2.312"
- Screen Width = Sash Glass Width - 0.312"

Sizing Height Formulas

- Basic Unit Height = Sash Glass Height + 4.438" or Fixed Glass Height + 3.688"
- Fixed Glass Height = Basic Unit Height - 3.688"
- Sash Glass Height = Basic Unit Height - 4.438"
- Sash Height = Sash Glass Height + 1.5625"
- Screen Height = Sash Glass Height + 0.938"

CALLOUT & ROUGH OPENING	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH WIDTH	SASH HEIGHT	GLASS WIDTH Each Sash	GLASS HEIGHT Each Sash	TOTAL SQ. FT. EGRESS CLEAR OPENING	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	FLOOR TO SILL HEIGHT (Can not exceed 44")	LIGHT		VENT
										DAYLIGHT OPENING SQ. FT. Per Sash	VENTILATION SQ. FT.	
60 x 24	59.50" x 23.50"	Inner 29"; Outer Sash Glass 27.4375"	Left 20.625"; Right 21.375"	27.4375"	Left Operating 19.0625"; Right Fixed 19.8125"	3.3969	25.75"	18.996"	61.25"	Left 3.31616; Right 3.454	3.3969	
60 x 36	59.50" x 35.50"	Inner 29"; Outer Sash Glass 27.4375"	Left 32.625"; Right 33.375"	27.4375"	Left Operating 31.0625"; Right Fixed 31.8125"	5.5427	25.75"	30.996"	49.25"	Left 5.5193; Right 5.657	5.5427	
60 x 42 ^E	59.50" x 41.50"	Inner 29"; Outer Sash Glass 27.4375"	Left 38.625"; Right 39.375"	27.4375"	Left Operating 37.0625"; Right Fixed 37.8125"	6.6156	25.75"	36.996"	43.25"	Left 6.6208; Right 6.7585	6.6156	
60 x 48 ^E	59.50" x 47.50"	Inner 29"; Outer Sash Glass 27.4375"	Left 44.625"; Right 45.375"	27.4375"	Left Operating 43.0625"; Right Fixed 43.8125"	7.6885	25.75"	42.996"	37.25"	Left 7.722; Right 7.86	7.6885	
60 x 60 ^E	59.50" x 59.50"	Inner 29"; Outer Sash Glass 27.4375"	Left 56.625"; Right 57.375"	27.4375"	Left Operating 55.0625"; Right Fixed 55.8125"	9.83435	25.75"	54.996"	25.25"	Left 9.926; Right 10.063	9.83435	

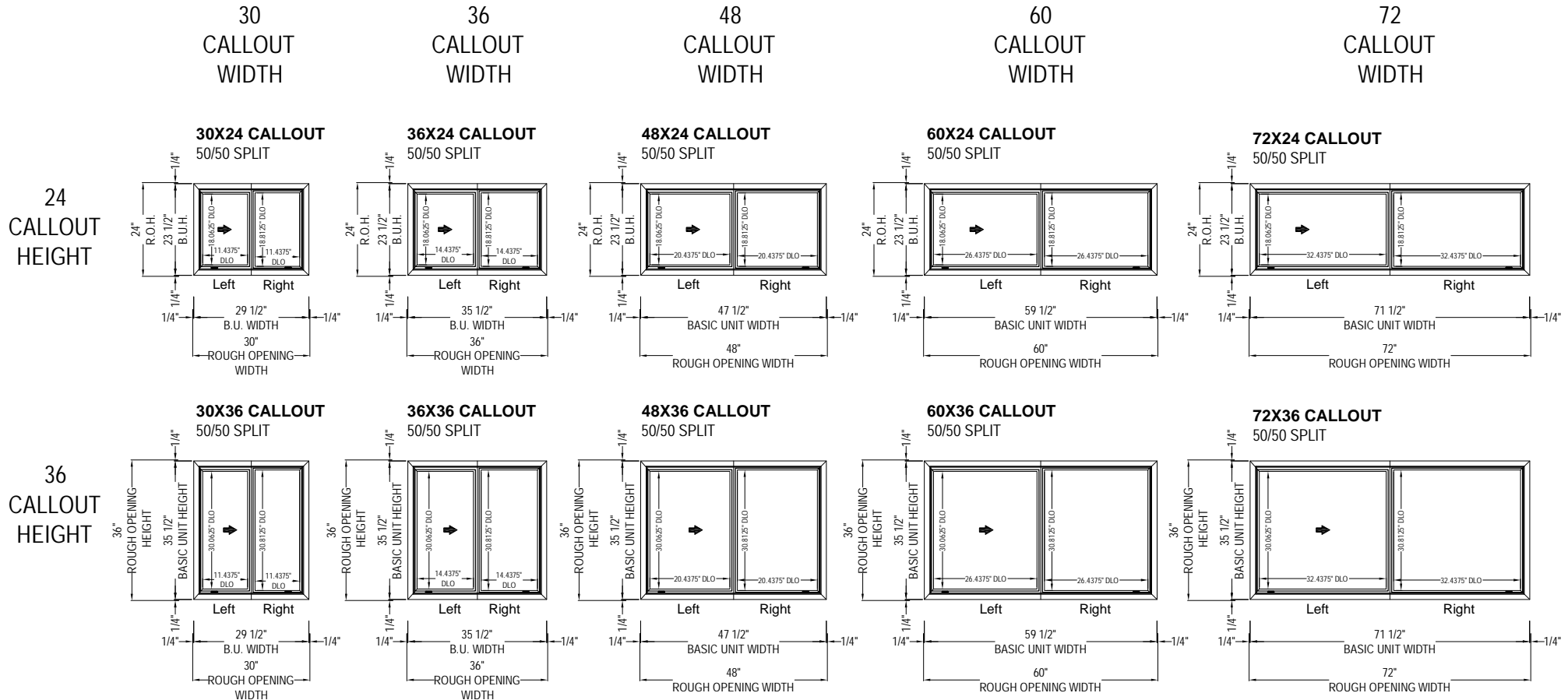
EGRESS

CALLOUT & ROUGH OPENING	BASIC UNIT SIZE (WIDTH & HEIGHT)	SASH WIDTH	SASH HEIGHT	GLASS WIDTH Each Sash	GLASS HEIGHT Each Sash	TOTAL SQ. FT. EGRESS CLEAR OPENING	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	FLOOR TO SILL HEIGHT (Can not exceed 44")	LIGHT		VENT
										DAYLIGHT OPENING SQ. FT. Per Sash	VENTILATION SQ. FT.	
72 x 24	71.50" x 23.50"	Inner 35"; Outer Sash Glass 33.4375"	Left 20.625"; Right 21.375"	33.4375"	Left Operating 19.0625"; Right Fixed 19.8125"	4.18835	31.75"	18.996"	61.25"	Left 4.0688; Right 4.2377	4.18835	
72 x 36 ^E	71.50" x 35.50"	Inner 35"; Outer Sash Glass 33.4375"	Left 32.625"; Right 33.375"	33.4375"	Left Operating 31.0625"; Right Fixed 31.8125"	6.8342	31.75"	30.996"	49.25"	Left 6.7719; Right 6.9408	6.8342	
72 x 42 ^E	71.50" x 41.50"	Inner 35"; Outer Sash Glass 33.4375"	Left 38.625"; Right 39.375"	33.4375"	Left Operating 37.0625"; Right Fixed 37.8125"	8.1571	31.75"	36.996"	43.25"	Left 8.1235; Right 8.2924	8.1571	
72 x 48 ^E	71.50" x 47.50"	Inner 35"; Outer Sash Glass 33.4375"	Left 44.625"; Right 45.375"	33.4375"	Left Operating 43.0625"; Right Fixed 43.8125"	9.480	31.75"	42.996"	37.25"	Left 9.475; Right 9.644	9.480	
72 x 60 ^E	71.50" x 59.50"	Inner 35"; Outer Sash Glass 33.4375"	Left 56.625"; Right 57.375"	33.4375"	Left Operating 55.0625"; Right Fixed 55.8125"	12.1259	31.75"	54.996"	25.25"	Left 12.1786; Right 12.3471	12.1259	

Smallest Unit Size that Meets Egress

- 47.75" x 47.5" Basic Unit Size

Elevations Page 1 of 3	Scale: 1/2" = 1'-0"
Date: 09/2012	Drawn By: JJB



Daylight Opening Sizing Formulas, Each Sash

- Glass Width - 1.00"
- Glass Height - 1.00"

Clear Opening Sizing Formulas, Each Sash

- Clear Opening Width = (Basic Unit Width / 2) - 4.00"
- Clear Opening Height = Basic Unit Height - 4.50"

Sizing Height Formulas

- Basic Unit Height = Sash Glass Height + 4.438" or Fixed Glass Height + 3.688"
- Fixed Glass Height = Basic Unit Height - 3.688"
- Sash Glass Height = Basic Unit Height - 4.438"
- Sash Height = SASH Glass Height + 1.5625"
- Screen Height = Sash Glass Height + 0.938"

Sizing Width Formulas

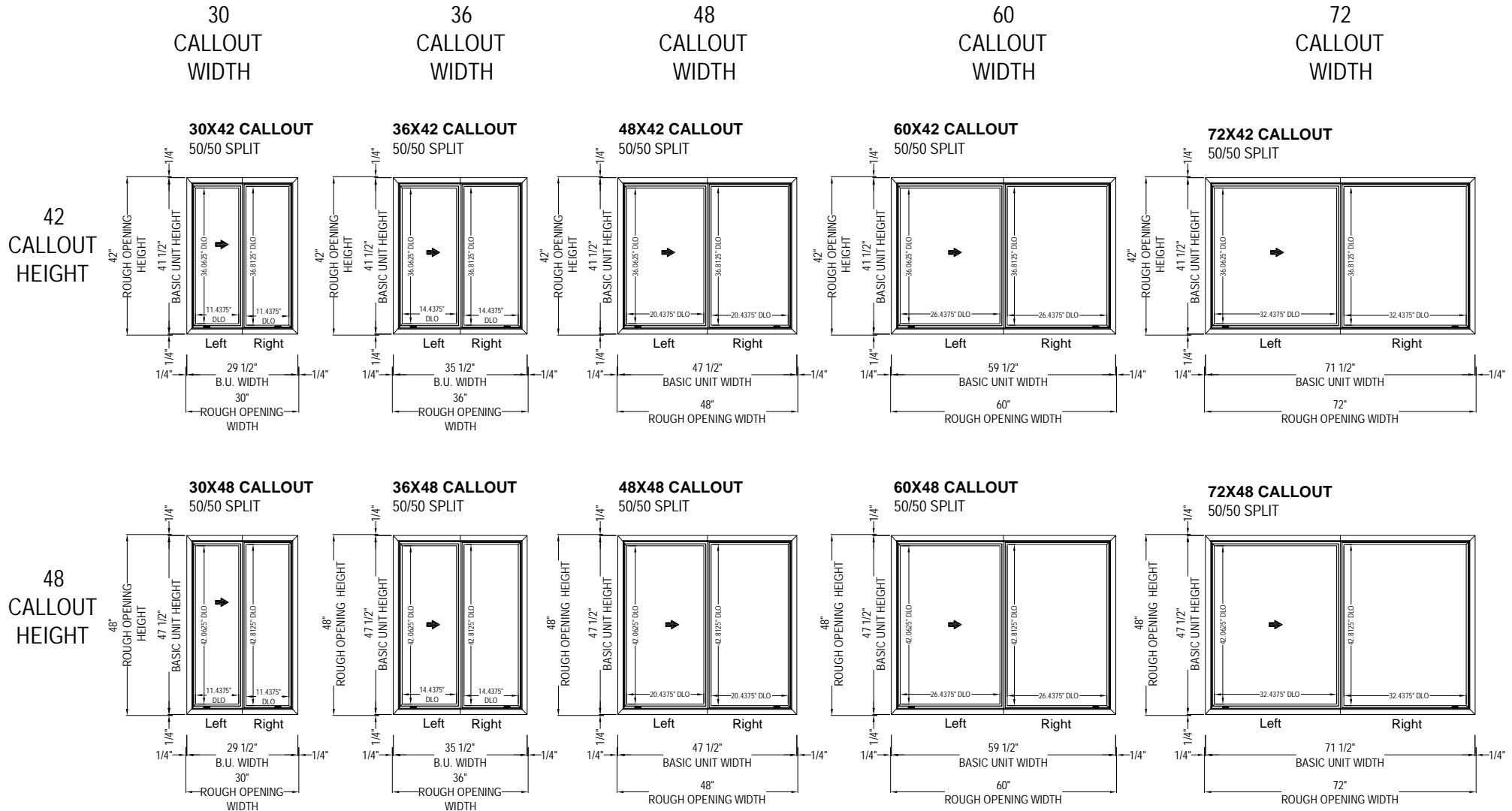
- Basic Unit Width = Glass Width X 2 + 2.312"
- Fixed Glass Width = Basic Unit Width / 2 - 2.312"
- Sash Glass Width = Basic Unit Width / 2 - 2.312"
- Screen Width = Sash Glass Width - 0.312"

Smallest Unit Size that Meets Egress

- 47.75" x 47.5" Basic Unit Size

Builders' Single Slider Window Elevations

Elevations Page 2 of 3	Scale: 1/2" = 1'-0"
Date: 09/2012	Drawn By: JJB



Smallest Unit Size that Meets Egress

- 47.75" x 47.5" Basic Unit Size

SUPERSEAL®

Windows & Doors

Builders' Single Slider Window Elevations

Elevations Page 3 of 3	Scale: 1/2" = 1'-0"
Date: 09/2012	Drawn By: JJB

