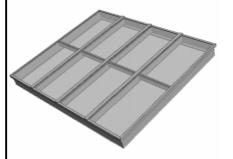
SKY SYSTEMS BUILDERS

quality skylights since 1990

STANDARD SYSTEM DESIGN DATA



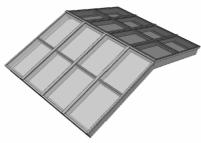
SINGLE SLOPE



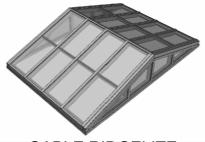
LEAN-TO



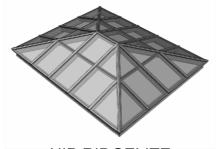
GABLE LEAN-TO



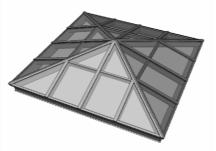
RIDGELITE



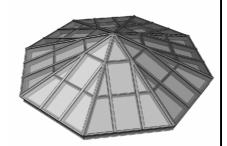
GABLE RIDGELITE



HIP RIDGELITE



PYRAMID



POLYGON



POLYDOME



SEGMENTED VAULT



GREENHOUSE / SOLARIUM



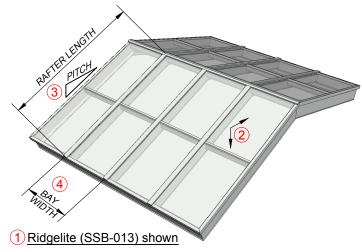
BARREL VAULT

SSB-00A CONTENTS	SSB-049 SECTION DETAIL - "I" 3"DP. END RAFTER @ VERTICAL
SSB-00B SKYLIGHT DESIGN AND DETAILING GUIDELINES	SSB-050 SECTION DETAIL - "I" 4"DP. END RAFTER @ VERTICAL
SSB-001 RAFTER LOAD CHART 4:12 / 20 PSF	SSB-051 SECTION DETAIL - "I" 6"DP. END RAFTER @ VERTICAL
SSB-002 RAFTER LOAD CHART 4:12 / 30 PSF	SSB-052 SECTION DETAIL - "J" 2"DP. MULLION
SSB-003 RAFTER LOAD CHART 4:12 / 40 PSF	SSB-053 SECTION DETAIL - "J" 3"DP. MULLION
SSB-004 RAFTER LOAD CHART 7:12 / 20 PSF	SSB-054 SECTION DETAIL - "J" 4"DP. MULLION
SSB-005 RAFTER LOAD CHART 7:12 / 30 PSF	SSB-055 SECTION DETAIL - "J" 6"DP. MULLION
SSB-006 RAFTER LOAD CHART 7:12 / 40 PSF	SSB-056 SECTION DETAIL - "K" 3"DP. HIP RAFTER
SSB-007 RAFTER LOAD CHART 12:12 / 20 PSF	SSB-057 SECTION DETAIL - "K" 4"DP. HIP RAFTER
SSB-008 RAFTER LOAD CHART 12:12 / 30 PSF	SSB-058 SECTION DETAIL - "K" 6"DP. HIP RAFTER
SSB-009 RAFTER LOAD CHART 12:12 / 40 PSF	SSB-059 SECTION DETAIL - "L" PURLIN @ 3" RAFTER
SSB-010 DETAIL REFERENCE - SINGLE SLOPE SKYLIGHT	SSB-060 SECTION DETAIL - "L" PURLIN @ 4" RAFTER
SSB-011 DETAIL REFERENCE - LEAN-TO	SSB-061 SECTION DETAIL - "L" PURLIN @ 6" RAFTER
SSB-012 DETAIL REFERENCE - GABLE LEAN-TO	SSB-062 SECTION DETAIL - "M" PURLIN @ 3" MULLION
SSB-013 DETAIL REFERENCE - RIDGELITE	SSB-063 SECTION DETAIL - "M" PURLIN @ 4" MULLION
SSB-014 DETAIL REFERENCE - GABLE RIDGELITE	SSB-064 SECTION DETAIL - "M" PURLIN @ 6" MULLION
SSB-015 DETAIL REFERENCE - DOUBLE HIP RIDGELITE	SSB-065 SECTION DETAIL - "N" RIDGE @ 3"DP. RAFTER
SSB-016 DETAIL REFERENCE - PYRAMID	SSB-066 SECTION DETAIL - "N" RIDGE @ 4"DP. RAFTER
SSB-017 DETAIL REFERENCE - POLYGON	SSB-067 SECTION DETAIL - "N" RIDGE @ 6"DP. RAFTER
SSB-018 DETAIL REFERENCE - POLYDOME	SSB-068 SECTION DETAIL - "O" SEGMENTED 3"DP. RAFTER
SSB-019 DETAIL REFERENCE - SEGMENTED VAULT	SSB-069 SECTION DETAIL - "O" SEGMENTED 4"DP. RAFTER
SSB-020 DETAIL REFERENCE - SOLARIUM	SSB-070 SECTION DETAIL - "O" SEGMENTED 6"DP. RAFTER
SSB-021 DETAIL REFERENCE - GREENHOUSE	SSB-071 SECTION DETAIL - "P" 3"DP. RAFTER EAVE
SSB-022 DETAIL REFERENCE - BARREL VAULT	SSB-072 SECTION DETAIL - "P" 4"DP. RAFTER EAVE
SSB-023 SECTION DETAIL - "A" SILL SECTION 3"	SSB-073 SECTION DETAIL - "P" 6"DP. RAFTER EAVE
SSB-024 SECTION DETAIL - "A" SILL SECTION 4"	SSB-074 SECTION DETAIL - "Q" 3"DP. RAFTER @ HEAD
SSB-025 SECTION DETAIL - "A" SILL SECTION 6"	SSB-075 SECTION DETAIL - "Q" 4"DP. RAFTER @ HEAD
SSB-026 SECTION DETAIL - "B" HEAD SECTION 3"	SSB-076 SECTION DETAIL - "Q" 6"DP. RAFTER @ HEAD
SSB-027 SECTION DETAIL - "B" HEAD SECTION 4"	SSB-077 VIEW DETAIL - "R" CONNECTION VIEW
SSB-028 SECTION DETAIL - "B" HEAD SECTION 6"	SSB-078 VIEW DETAIL - "R" CONNECTION VIEW
SSB-029 SECTION DETAIL - "C" END SECTION 3"	SSB-079 SECTION DETAIL - "S" 3" BARREL VAULT SLOPE SILL
SSB-030 SECTION DETAIL - "C" END SECTION 4"	SSB-080 SECTION DETAIL - "S" 4" BARREL VAULT SLOPE SILL
SSB-031 SECTION DETAIL - "C" END SECTION 6"	SSB-081 SECTION DETAIL - "S" 6" BARREL VAULT SLOPE SILL
SSB-032 SECTION DETAIL - "D" SLOPE SILL SECTION 3"	SSB-082 SECTION DETAIL - "T" 3" BARREL VAULT VERTICAL SILL
SSB-033 SECTION DETAIL - "D" SLOPE SILL SECTION 4"	SSB-083 SECTION DETAIL - "T" 4" BARREL VAULT VERTICAL SILL
SSB-033 SECTION DETAIL - "D" SLOPE SILL SECTION 6"	SSB-084 SECTION DETAIL - "T" 6" BARREL VAULT VERTICAL SILL
SSB-035 SECTION DETAIL - "E" SEGMENTED SILL SECTION 3"	SSB-085 SECTION DETAIL - "U" 3"DP. BARREL VAULT RAFTER
SSB-036 SECTION DETAIL - "E" SEGMENTED SILL SECTION 4"	SSB-086 SECTION DETAIL - "U" 4"DP. BARREL VAULT RAFTER
SSB-037 SECTION DETAIL - "E" SEGMENTED SILL SECTION 6"	SSB-087 SECTION DETAIL - "U" 6"DP. BARREL VAULT RAFTER
SSB-037 SECTION DETAIL - "F" VERTICAL SILL SECTION 3" FRAME	SSB-088 SECTION DETAIL - "V" 3"DP. BARREL VAULT END RAFTER @ WALL
SSB-039 SECTION DETAIL - "F" VERTICAL SILL SECTION 4" FRAME	SSB-089 SECTION DETAIL - "V" 4"DP. BARREL VAULT END RAFTER @ WALL
SSB-040 SECTION DETAIL - "F" VERTICAL SILL SECTION 3" MULLION	SSB-090 SECTION DETAIL - "V" 6"DP. BARREL VAULT END RAFTER @ WALL
SSB-041 SECTION DETAIL - "F" VERTICAL SILL SECTION 4" MULLION	SSB-091 SECTION DETAIL - "W" 3"DP. B.V. END RAFTER @ VERTICAL
SSB-042 SECTION DETAIL - "F" VERTICAL SILL SECTION 6" MULLION	SSB-092 SECTION DETAIL - "W" 4"DP. B.V. END RAFTER @ VERTICAL
SSB-043 SECTION DETAIL - "G" 3"DP. RAFTER	SSB-093 SECTION DETAIL - "W" 6"DP. B.V. END RAFTER @ VERTICAL
SSB-044 SECTION DETAIL - "G" 4"DP. RAFTER	SSB-094 SECTION DETAIL - "X" 2"DP. BARREL VAULT MULLION
SSB-045 SECTION DETAIL - "G" 6"DP. RAFTER	SSB-095 SECTION DETAIL - "X" 3"DP. BARREL VAULT MULLION
SSB-046 SECTION DETAIL - "H" 3"DP. END RAFTER @ WALL	SSB-096 SECTION DETAIL - "Y" 3"DP. BARREL VAULT RIDGE
SSB-047 SECTION DETAIL - "H" 4"DP. END RAFTER @ WALL	SSB-097 SECTION DETAIL - "Y" 4"DP. BARREL VAULT RIDGE
SSB-048 SECTION DETAIL - "H" 6"DP. END RAFTER @ WALL	SSB-098 SECTION DETAIL - "Y" 6"DP. BARREL VAULT RIDGE
CIVY CYCTEAAC DINI DEDC	THE INFORMATION CONTAINED HEREIN PAGE:

CONTENTS

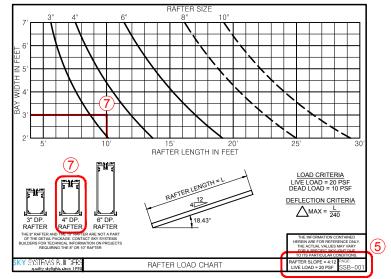
To insure you choose the best details for your project please refer to the following quidelines:

- 1 Determine the type of skylight you want for the project; Single Slope (SSB-010), Lean-To (SSB-011), Gable Lean-to (SSB-012), Ridgelite (SSB-013), Gable Ridgelite (SSB-014) Hipped Ridgelite (SSB-015), Pyramid (SSB-016), Polygon (SSB-017), Polydome (SSB-018), Segmented Barrelvault (SSB-019), Solarium (SSB-020), Greenhouse (SSB-021) Barrel Vault (SSB-022)...
- 2) Find the Live Load requirements for the zone the skylight is located.
- 3 Determine the longest RAFTER LENGTH and PITCH (slope angle) of the skylight.
- 4 Determine the largest BAY WIDTH.

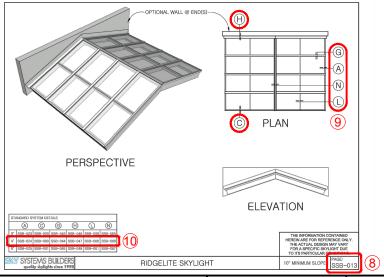


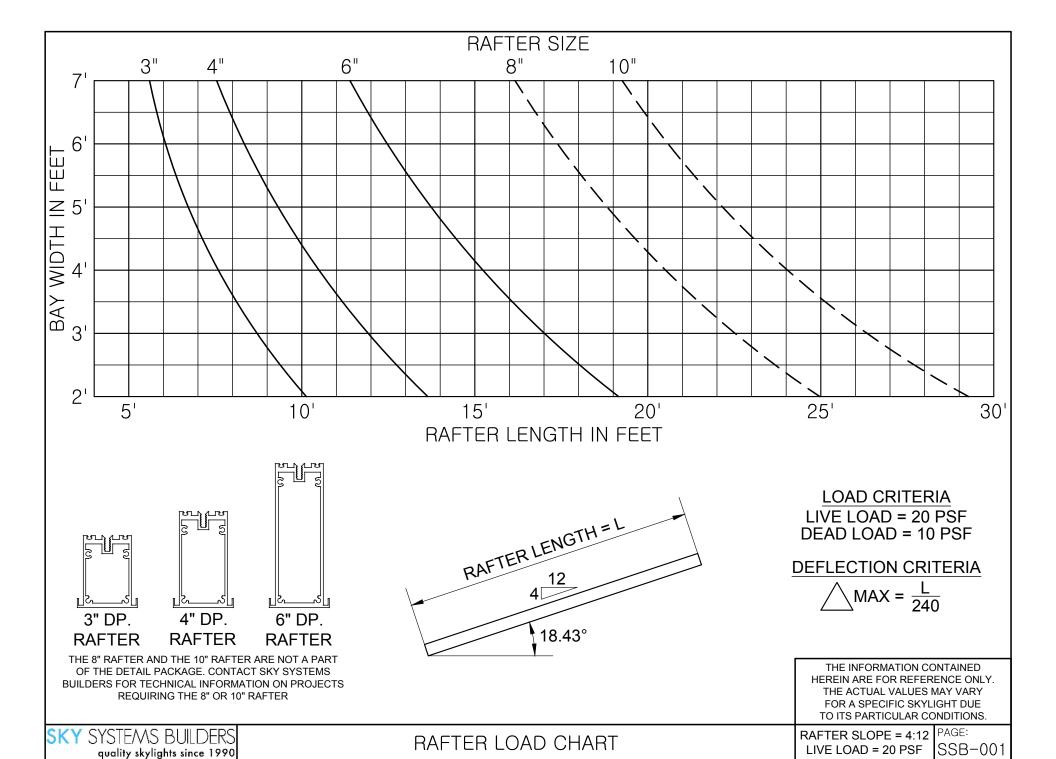
With this information you will now be able to determine the rafter size needed for the project.

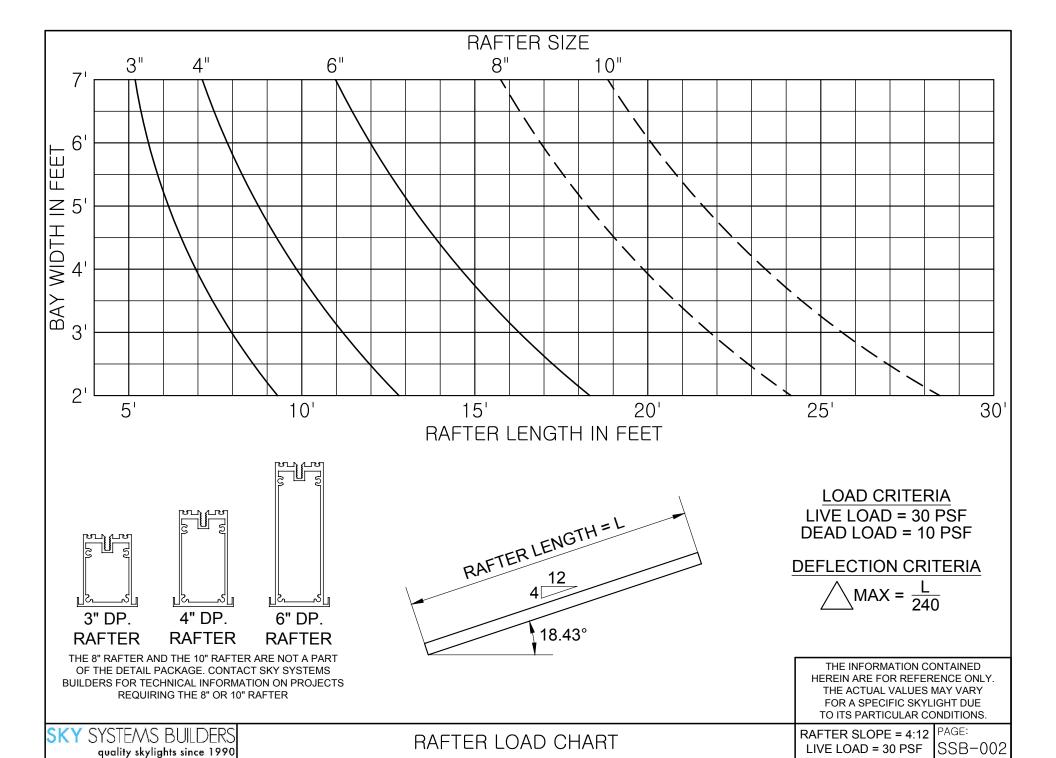
- 5 Find the Load Chart (SSB-001 through SSB-009) that best reflects the pitch and Live Load of the skylight. For this example we are using a Ridgelite (SSB-013) with a Pitch of 4:12 (18.43°) and a Live Load of 20 psf. The Load Chart for this can be found on page SSB-001. The Rafter Span is 10'-0" and the Bay Width is 3'-0".
- 6 On the bottom of the Load Chart graph are the RAFTER LENGTH dimensions. Locate the 10' line. On the left is the BAY WIDTH dimensions. Locate the 3' line.
- Where these two lines intersect is where you will find the requirement for your skylight. Since the line is outside the 3" rafter line, and within the 4" rafter line, this skylight will require a 4"DP. RAFTER.

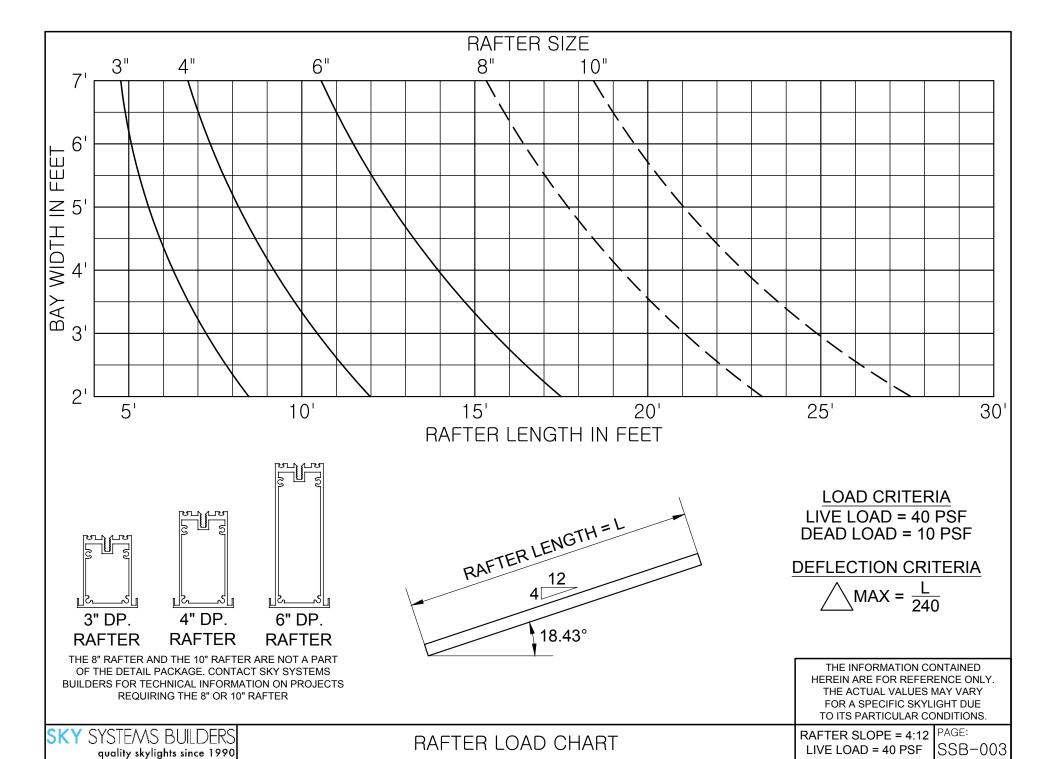


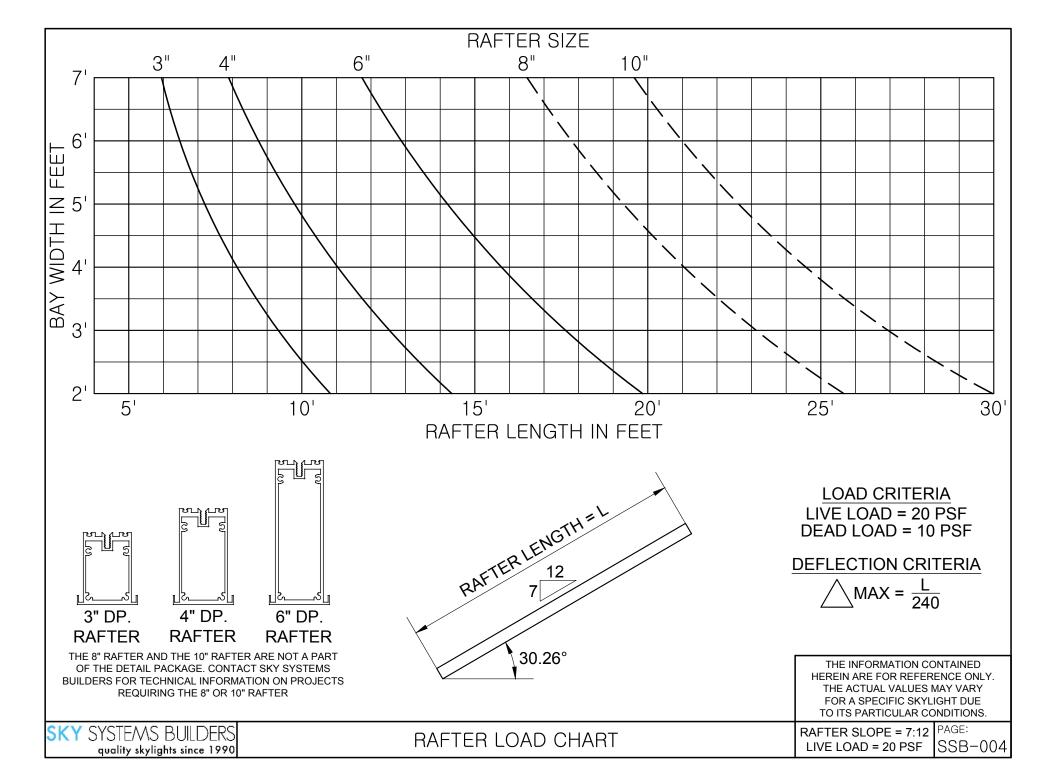
- (8) Now that it has been determined that the Skylight will require a 4"dp. Rafter go to the page that best represents the desired skylight (SSB-010 through SSB-021). In this example it will be PAGE: SSB-013.
- 9 On this page you will find detail references of each component.
- 10 On the DETAIL SCHEDULE are the pages that correspond to the details that are to be used for this skylight. In this example you will use the details that are listed to the right of the 4" rafter.

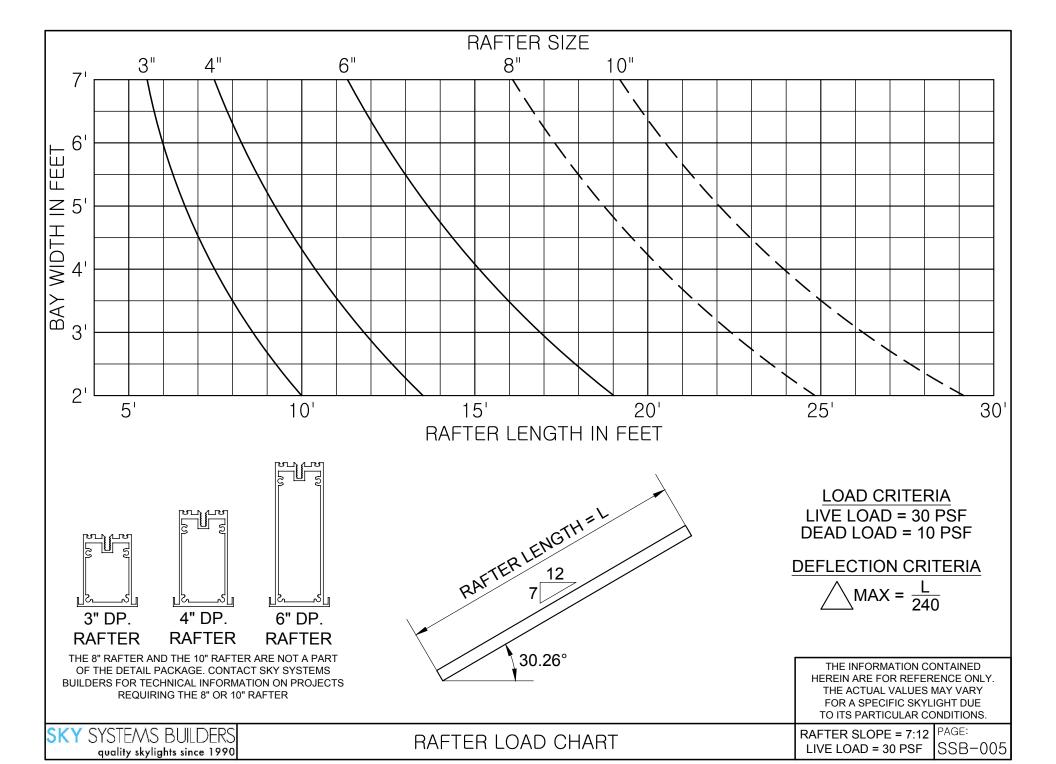


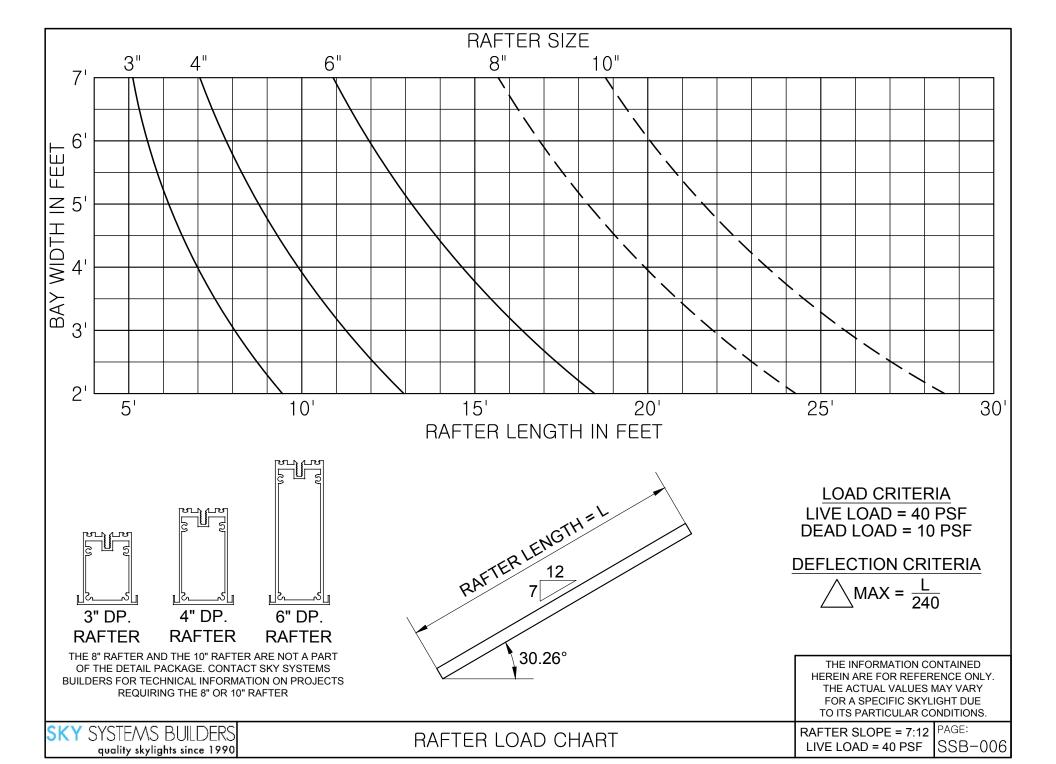


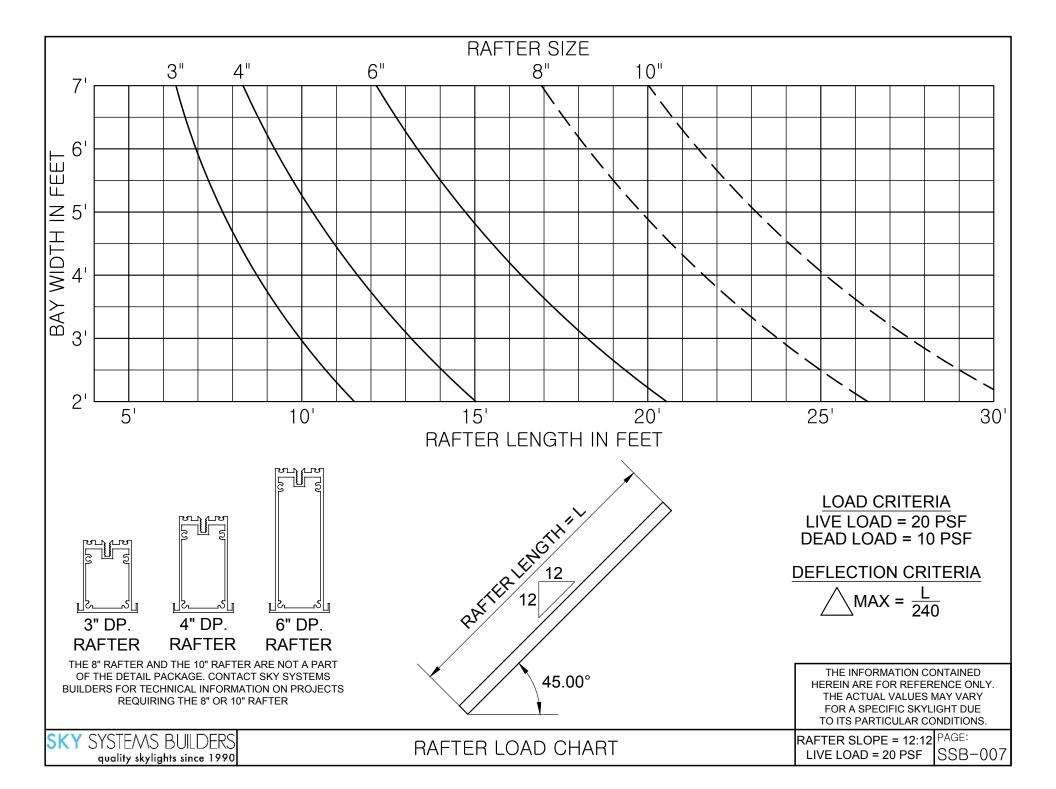


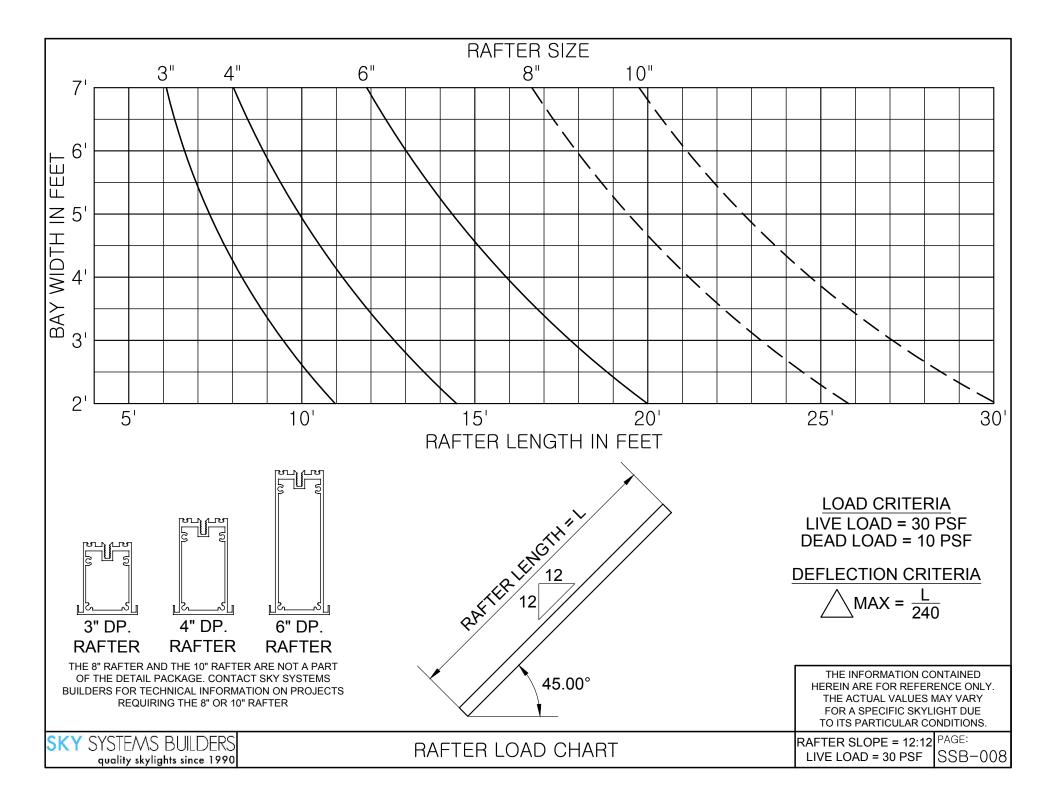


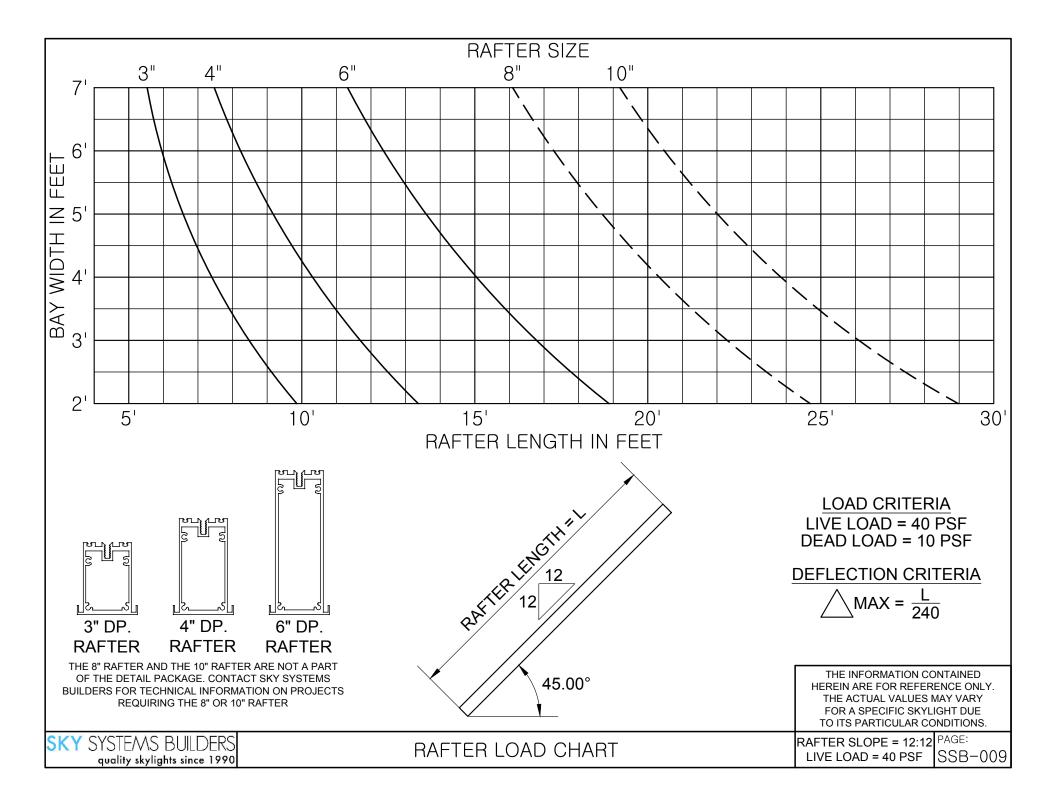


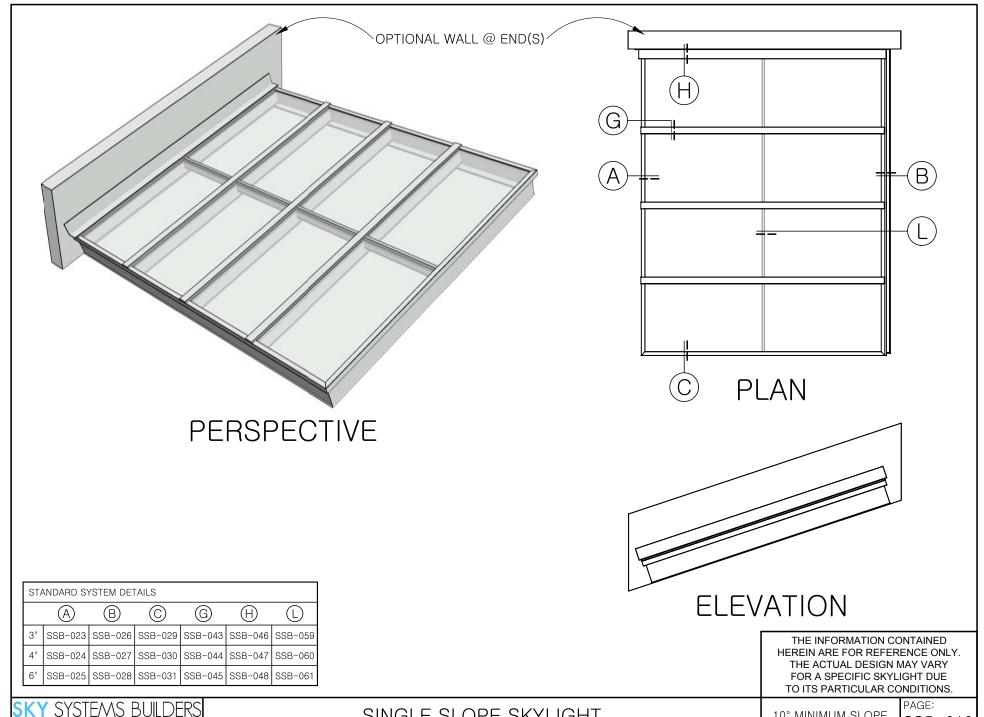










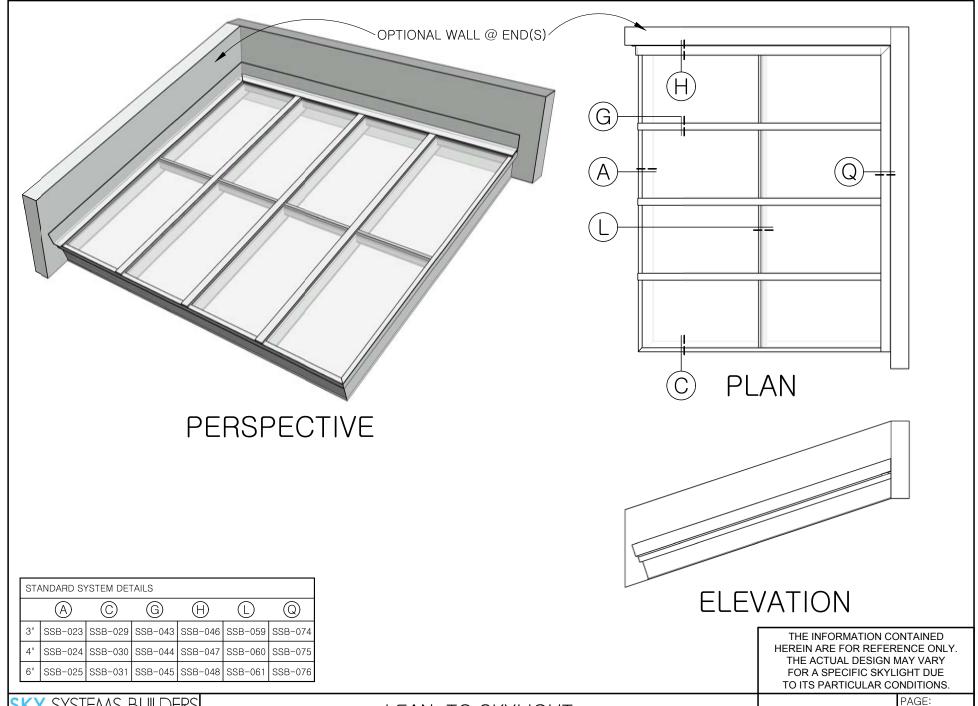


quality skylights since 1990

SINGLE SLOPE SKYLIGHT

10° MINIMUM SLOPE

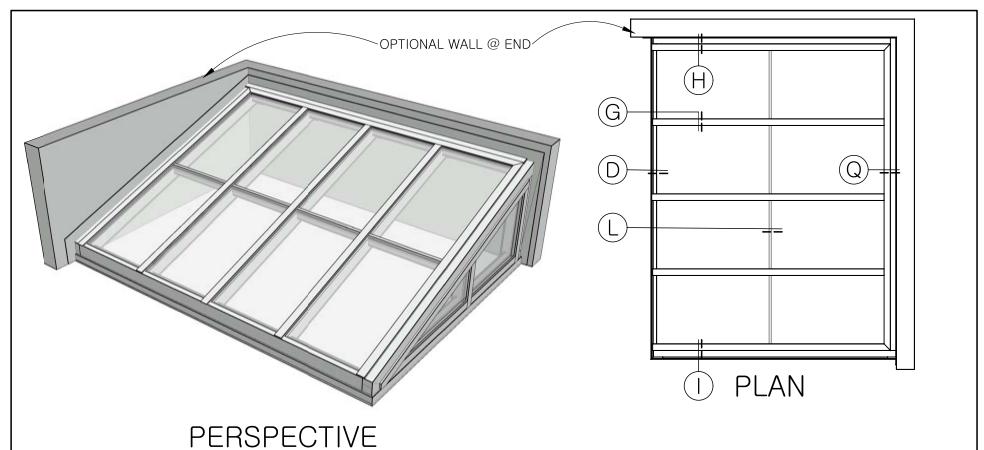
SSB-010



LEAN-TO SKYLIGHT

10° MINIMUM SLOPE

SSB-011



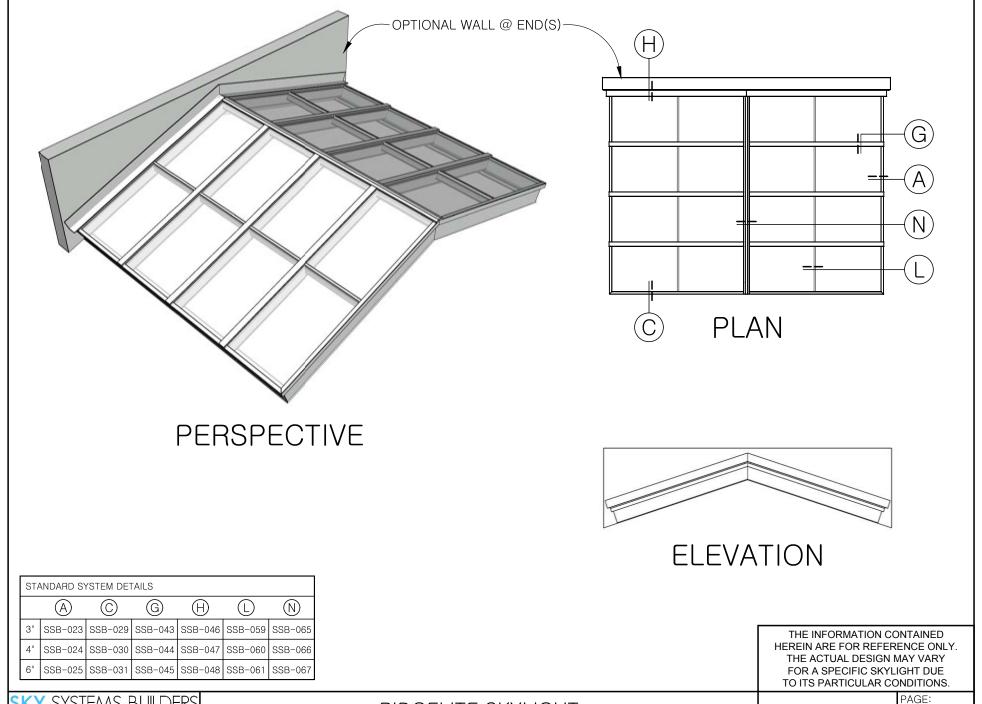
ELEVATION (F)

	STA	ANDARD S'	YSTEM DET	ΓAILS					
		0	F	G	\bigoplus		J		Q
ĺ	3"	SSB-032	SSB-038	SSB-043	SSB-046	SSB-049	SSB-052	SSB-059	SSB-074
	4"	SSB-033	SSB-039	SSB-044	SSB-047	SSB-050	SSB-052	SSB-060	SSB-075
	6"	SSB-034	SSB-040	SSB-045	SSB-048	SSB-051	SSB-053	SSB-061	SSB-076

SKY SYSTEMS BUILDERS quality skylights since 1990

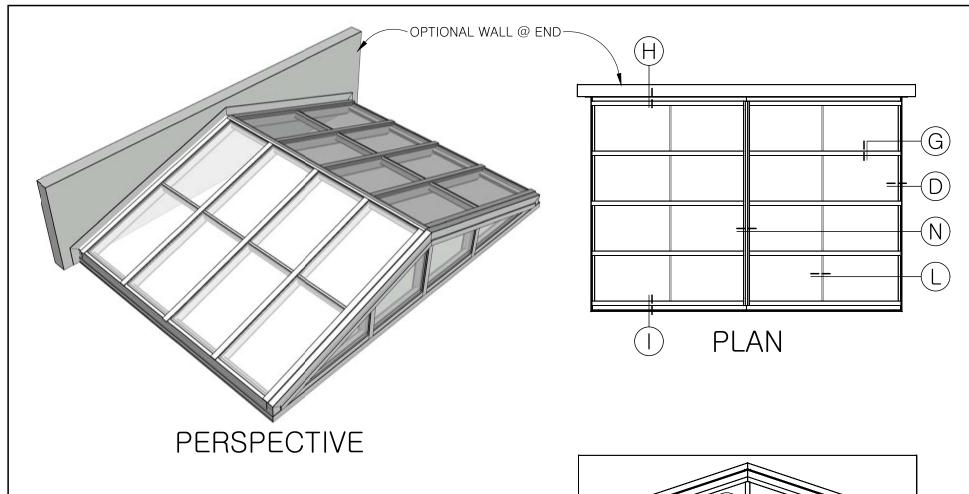
GABLE LEAN-TO SKYLIGHT

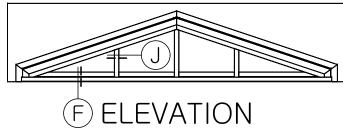
10° MINIMUM SLOPE



RIDGELITE SKYLIGHT

10° MINIMUM SLOPE



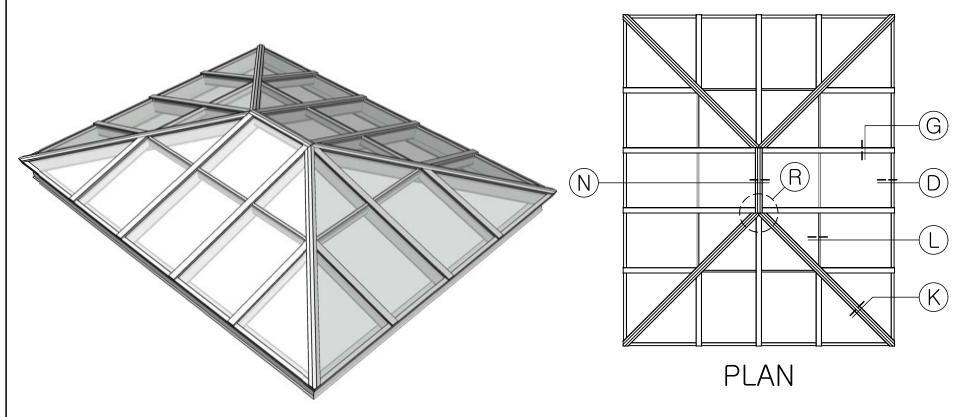


STANDARD SYSTEM DETAILS								
	0	F	G	\oplus		J	L	N
3"	SSB-032	SSB-038	SSB-043	SSB-046	SSB-049	SSB-052	SSB-059	SSB-065
4"	SSB-033	SSB-039	SSB-044	SSB-047	SSB-050	SSB-052	SSB-060	SSB-066
6"	SSB-034	SSB-040	SSB-045	SSB-048	SSB-051	SSB-053	SSB-061	SSB-067

SKY SYSTEMS BUILDERS quality skylights since 1990

GABLE RIDGELITE SKYLIGHT

10° MINIMUM SLOPE



PERSPECTIVE



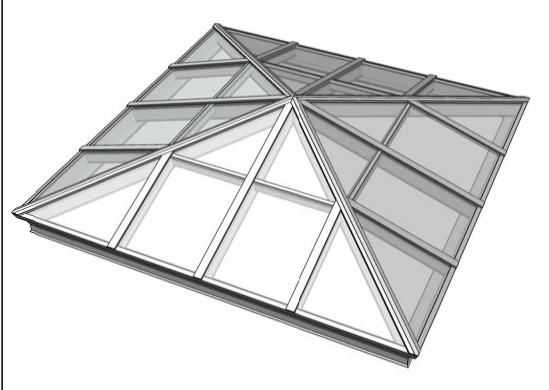
	STA	ANDARD S	STEM DET	ΓAILS			
		0	G	K	L	N	R
	3"	SSB-032	SSB-043	SSB-056	SSB-059	SSB-065	SSB-077
	4"	SSB-033	SSB-044	SSB-057	SSB-060	SSB-066	SSB-077
	6"	SSB-034	SSB-045	SSB-058	SSB-061	SSB-067	SSB-077

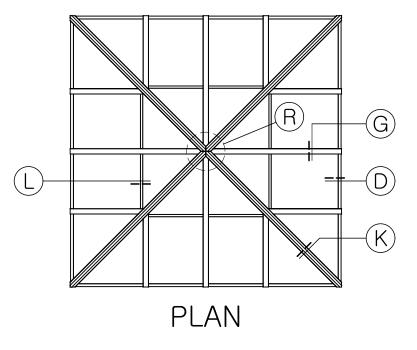
THE INFORMATION CONTAINED HEREIN ARE FOR REFERENCE ONLY. THE ACTUAL DESIGN MAY VARY FOR A SPECIFIC SKYLIGHT DUE TO ITS PARTICULAR CONDITIONS.

SKY SYSTEMS BUILDERS quality skylights since 1990

DOUBLE HIP RIDGELITE SKYLIGHT

10° MINIMUM SLOPE





PERSPECTIVE



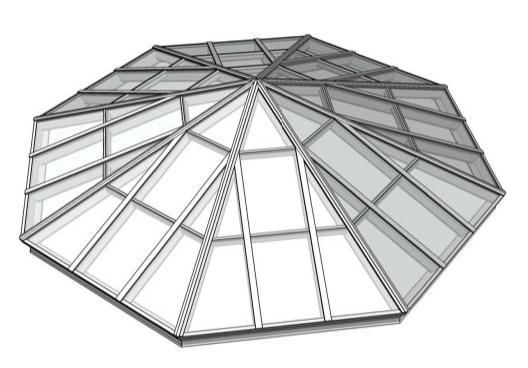
	STA	ANDARD S	STEM DET	ΓAILS		
		0	G	K		R
	3"	SSB-032	SSB-043	SSB-056	SSB-059	SSB-078
	4"	SSB-033	SSB-044	SSB-057	SSB-060	SSB-078
	6"	SSB-034	SSB-045	SSB-058	SSB-061	SSB-078

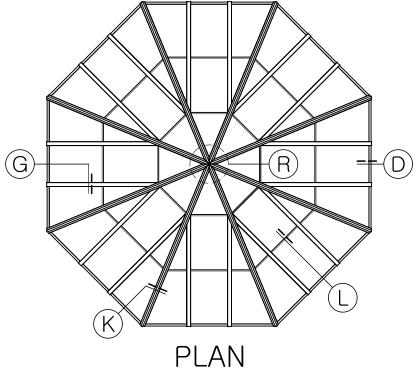
THE INFORMATION CONTAINED HEREIN ARE FOR REFERENCE ONLY. THE ACTUAL DESIGN MAY VARY FOR A SPECIFIC SKYLIGHT DUE TO ITS PARTICULAR CONDITIONS.

SKY SYSTEMS BUILDERS quality skylights since 1990

PYRAMID SKYLIGHT

10° MINIMUM SLOPE





PERSPECTIVE



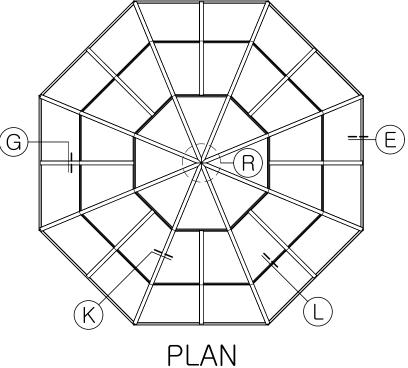
	STA	ANDARD S	STEM DET	ΓAILS		
		0	G	K		R
	3"	SSB-032	SSB-043	SSB-056	SSB-059	SSB-078
	4"	SSB-033	SSB-044	SSB-057	SSB-060	SSB-078
	6"	SSB-034	SSB-045	SSB-058	SSB-061	SSB-078

SKY SYSTEMS BUILDERS quality skylights since 1990

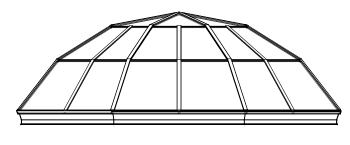
POLYGON SKYLIGHT

10° MINIMUM SLOPE





PERSPECTIVE



ELEVATION

THE INFORMATION CONTAINED HEREIN ARE FOR REFERENCE ONLY. THE ACTUAL DESIGN MAY VARY FOR A SPECIFIC SKYLIGHT DUE TO ITS PARTICULAR CONDITIONS.

B G K L R

3" SSB-035 SSB-043 SSB-056 SSB-059 SSB-078

4" SSB-036 SSB-044 SSB-057 SSB-060 SSB-078

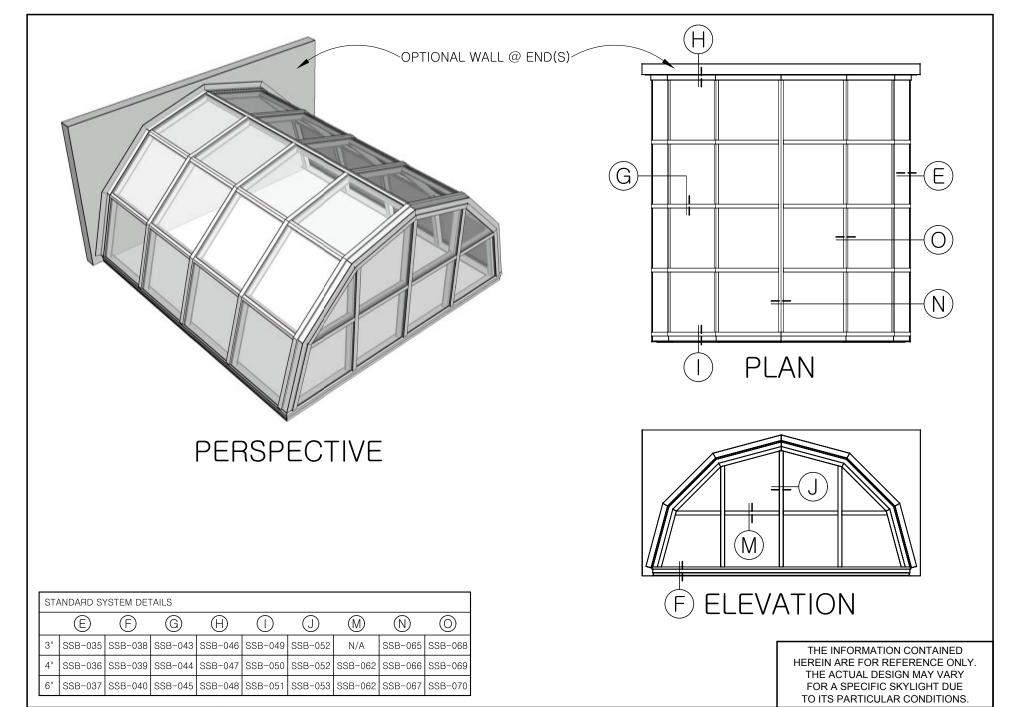
6" SSB-037 SSB-045 SSB-058 SSB-061 SSB-078

SKY SYSTEMS BUILDERS
quality skylights since 1990

STANDARD SYSTEM DETAILS

POLYDOME SKYLIGHT

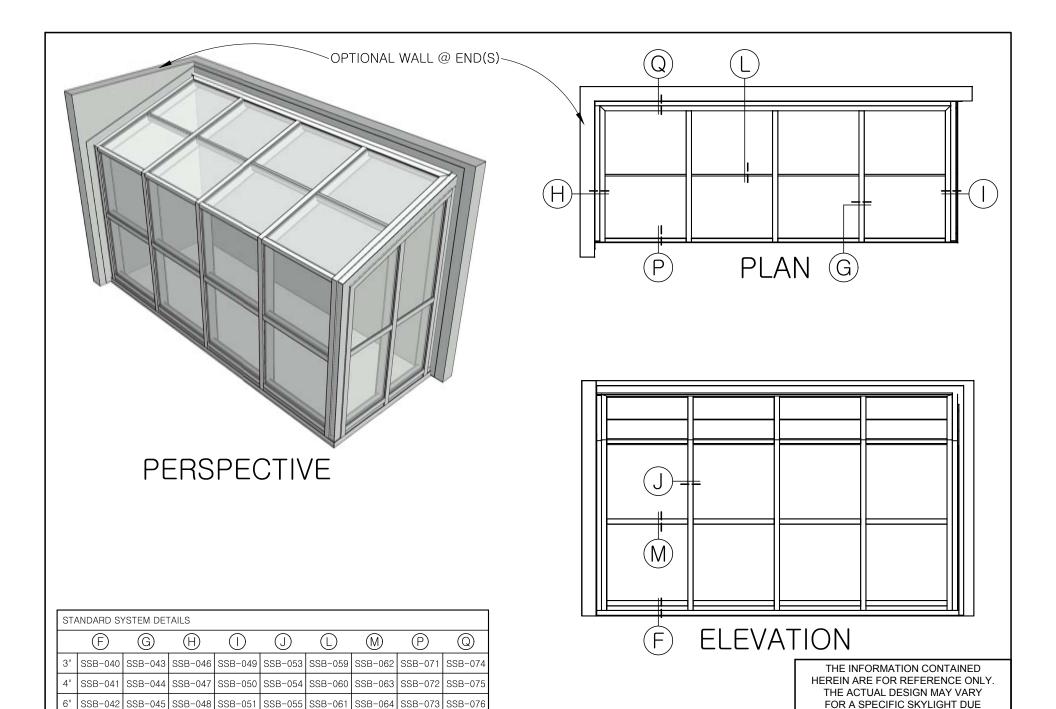
10° MINIMUM SLOPE



SEGMENTED VAULT SKYLIGHT

10° MINIMUM SLOPE

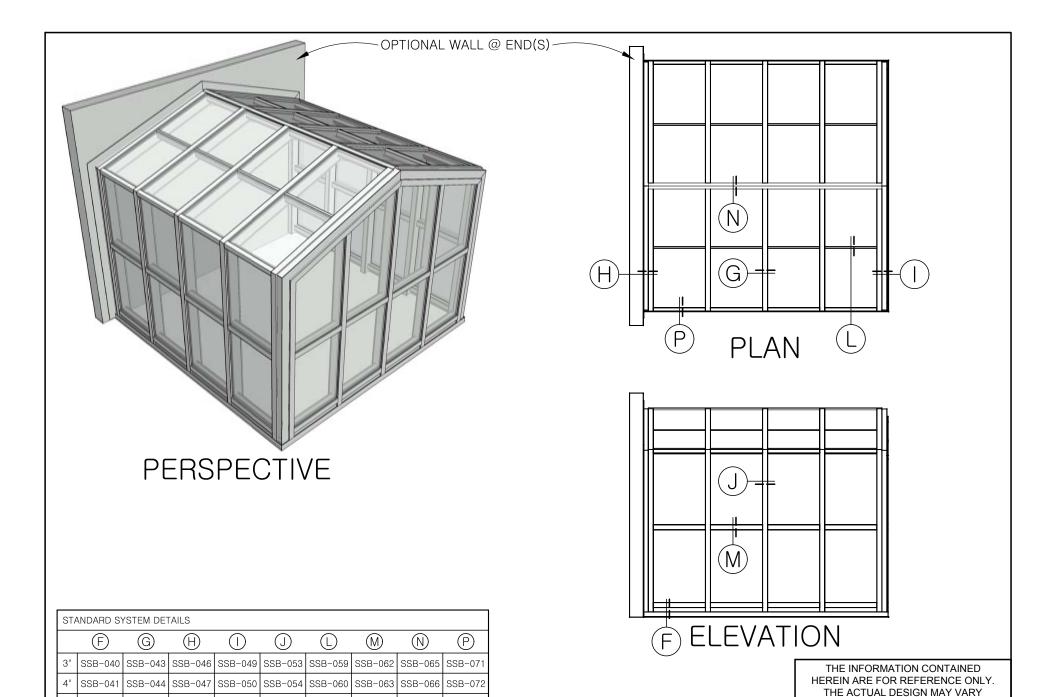
SSB-019



SOLARIUM SKYLIGHT

10° MINIMUM SLOPE

TO ITS PARTICULAR CONDITIONS.



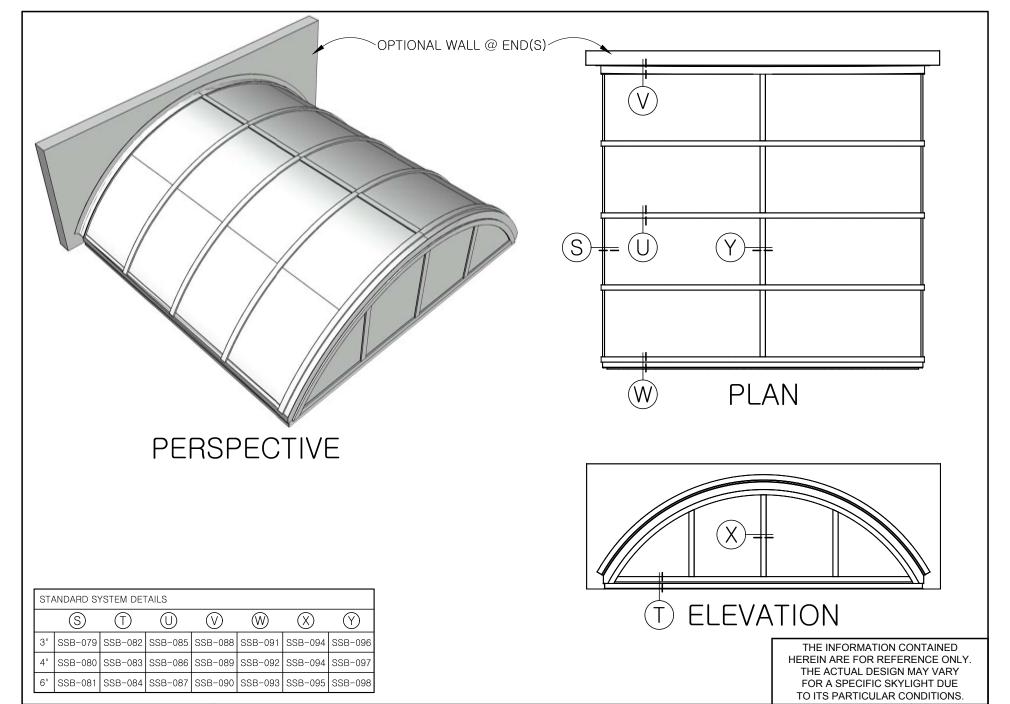
SSB-042 | SSB-045 | SSB-048 | SSB-051 | SSB-055 | SSB-061

GREENHOUSE SKYLIGHT

SSB-064 SSB-067 SSB-073

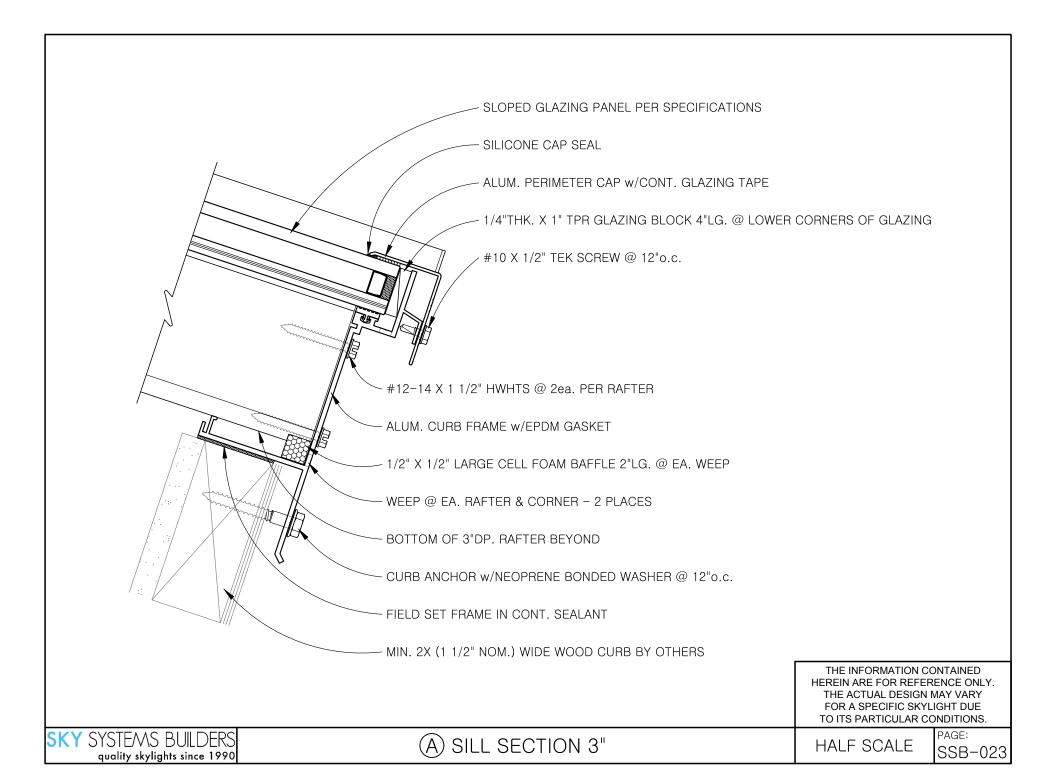
10° MINIMUM SLOPE

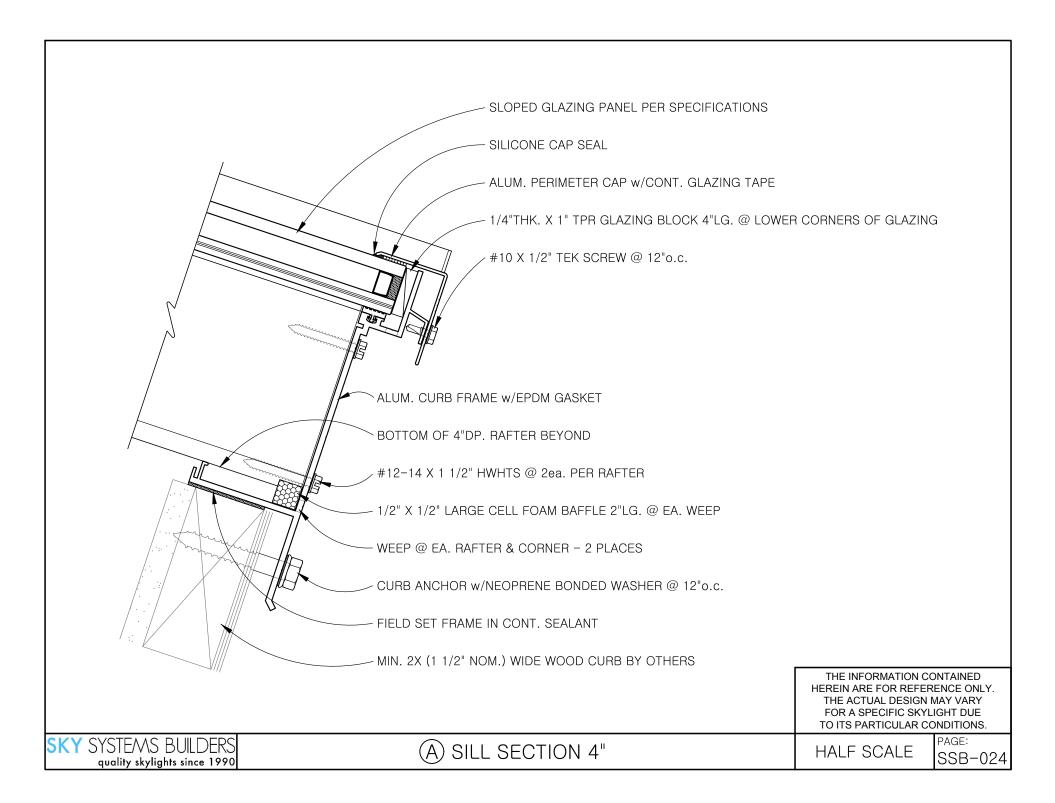
FOR A SPECIFIC SKYLIGHT DUE TO ITS PARTICULAR CONDITIONS.

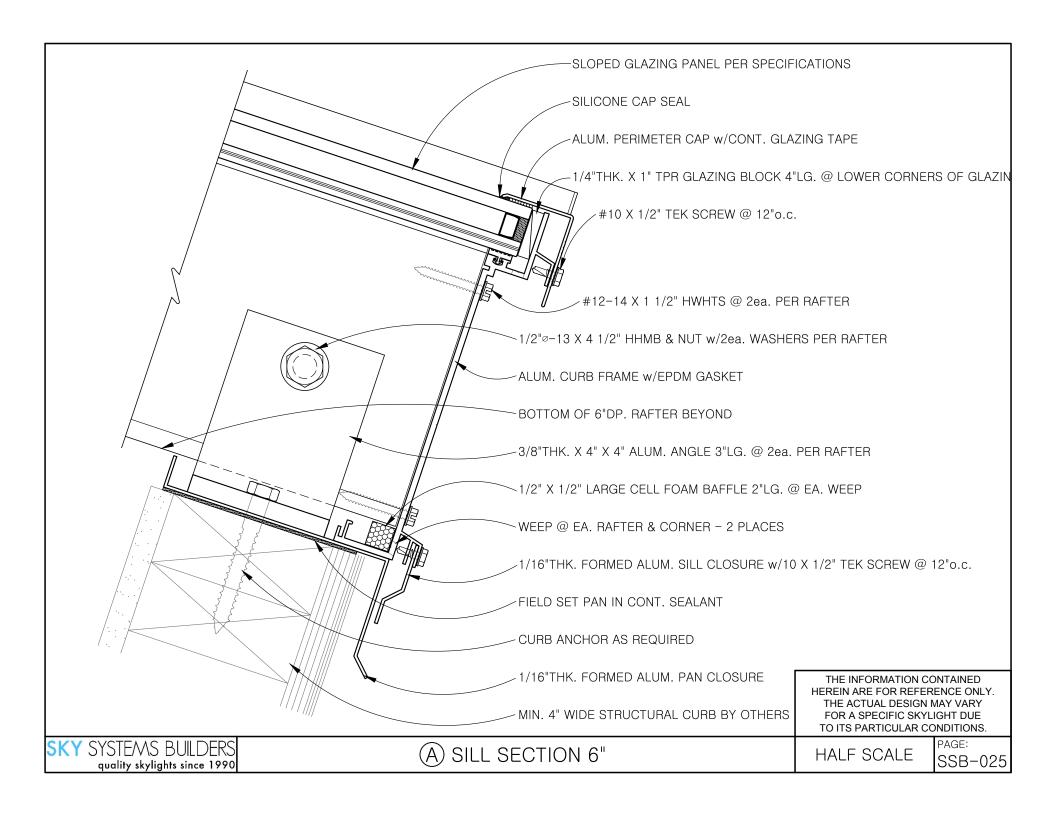


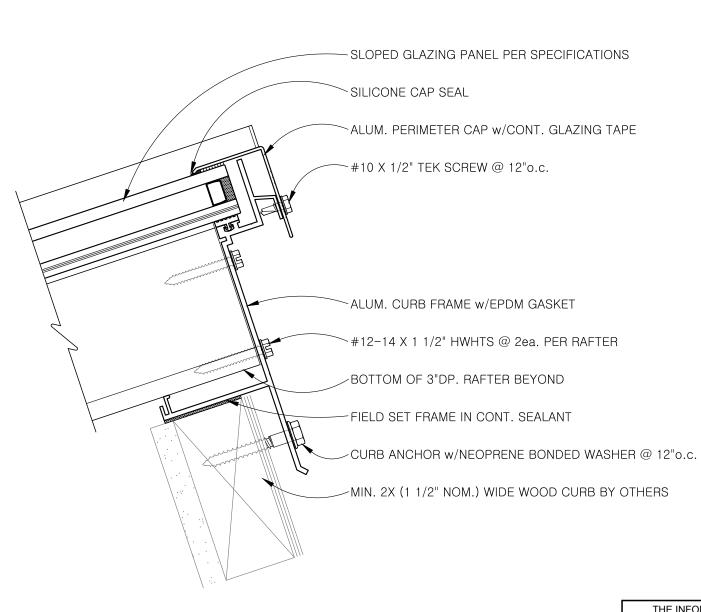
BARRELVAULT SKYLIGHT

10° MINIMUM SLOPE





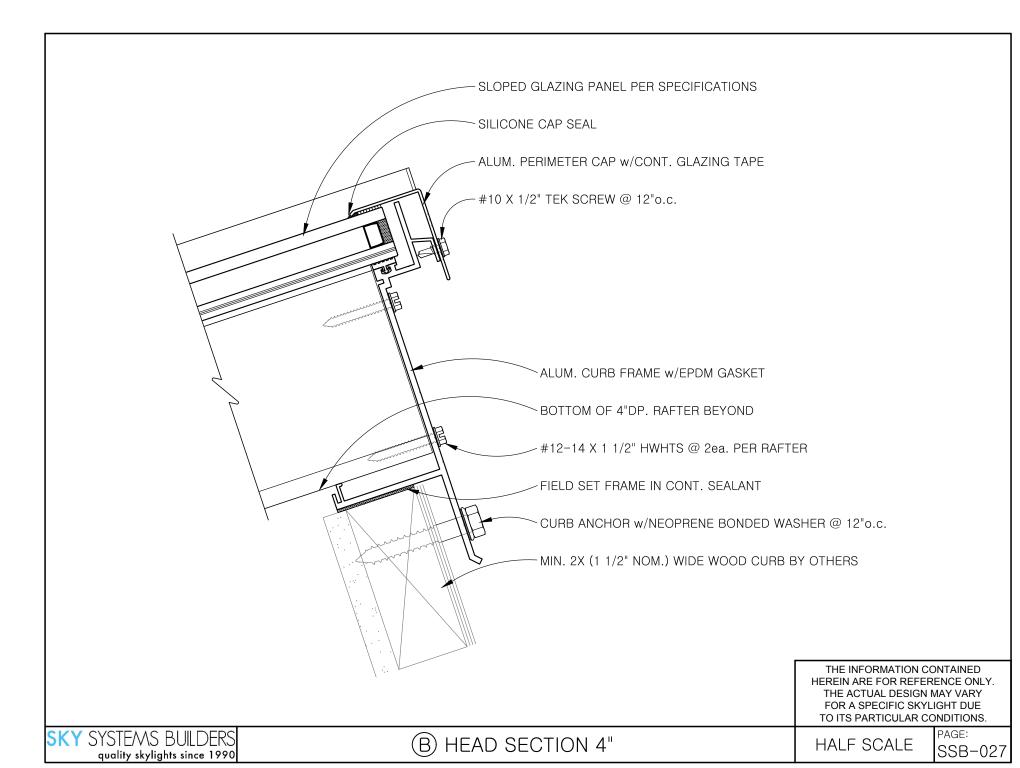


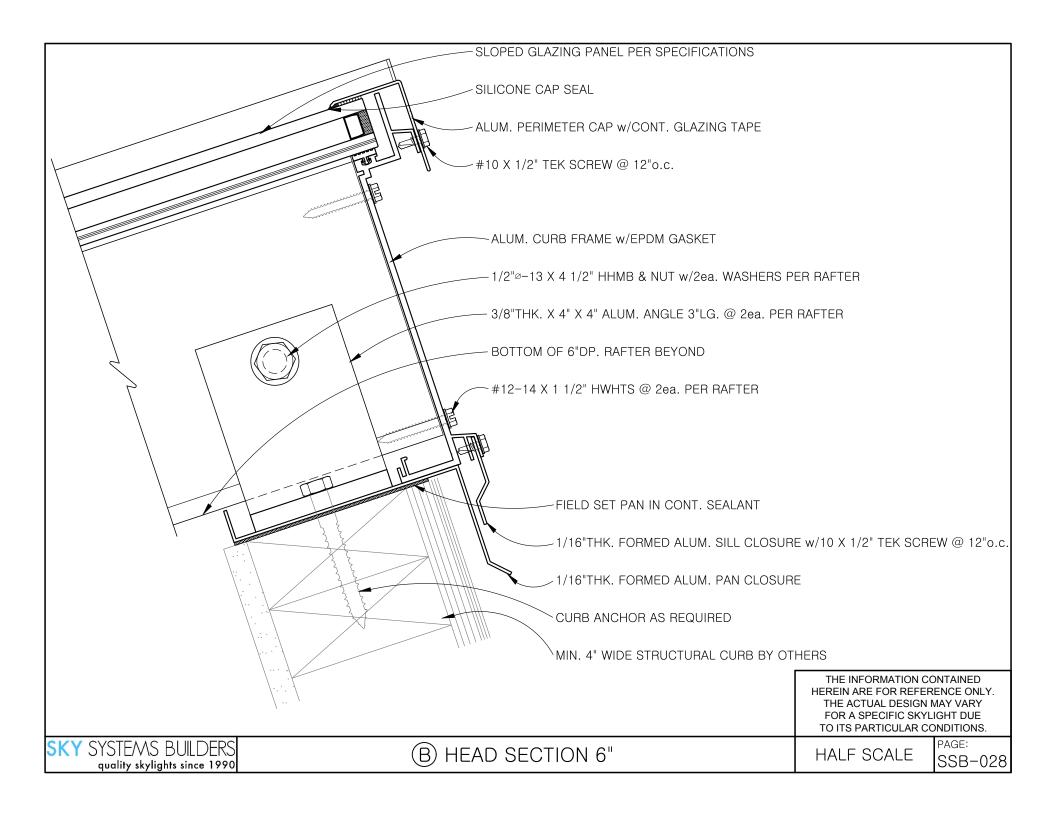


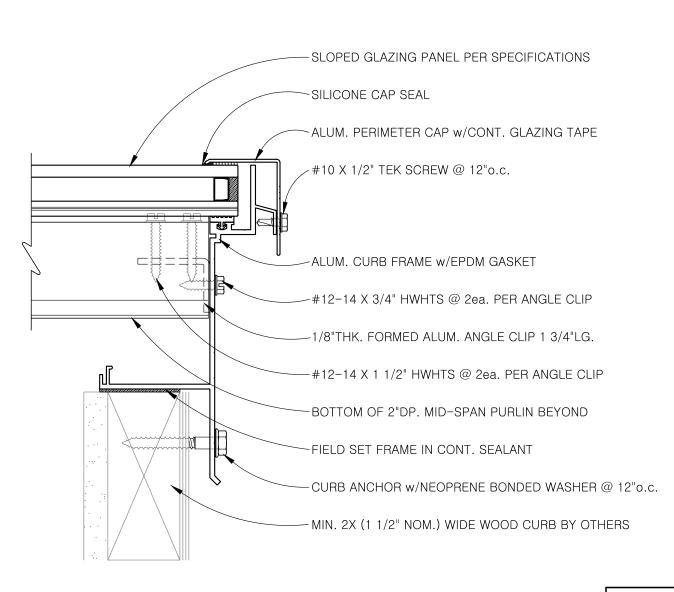
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(B) HEAD SECTION 3"

HALF SCALE



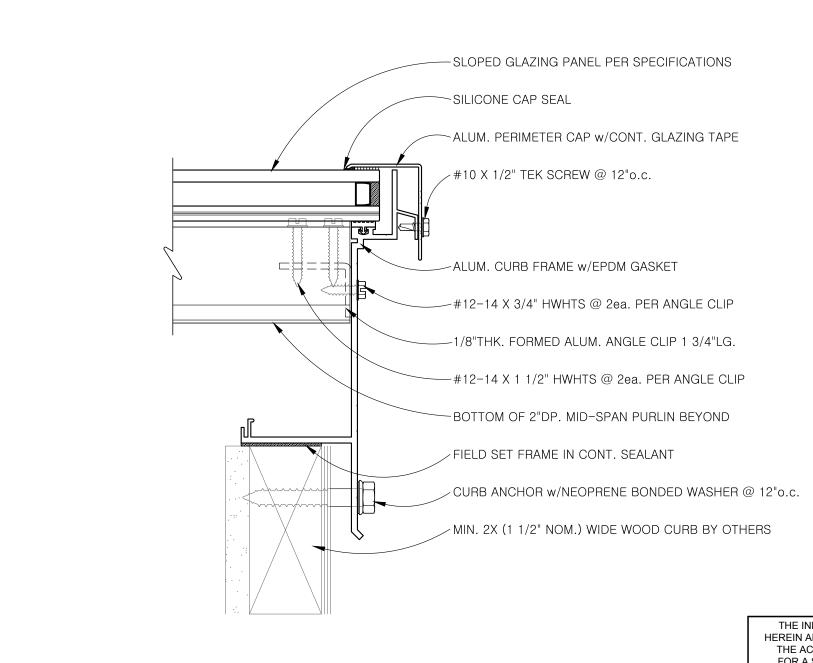




SKY SYSTEMS BUILDERS quality skylights since 1990

© END SECTION 3"

HALF SCALE



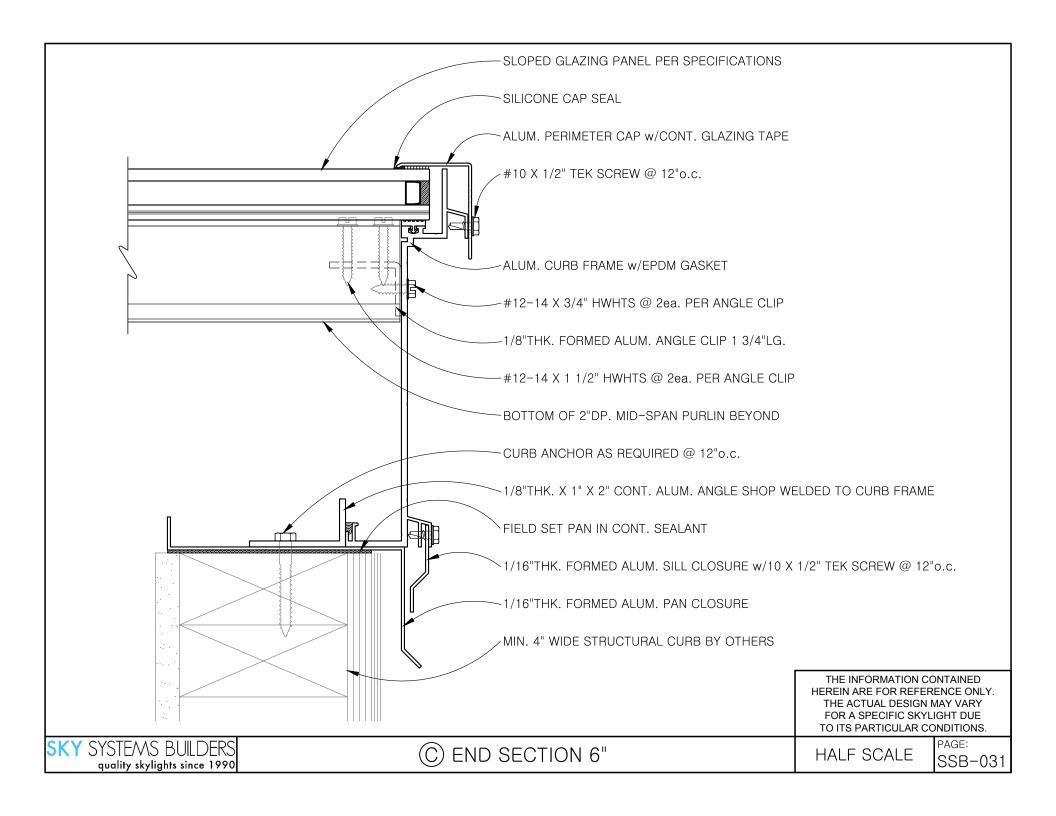
SKY SYSTEMS BUILDERS
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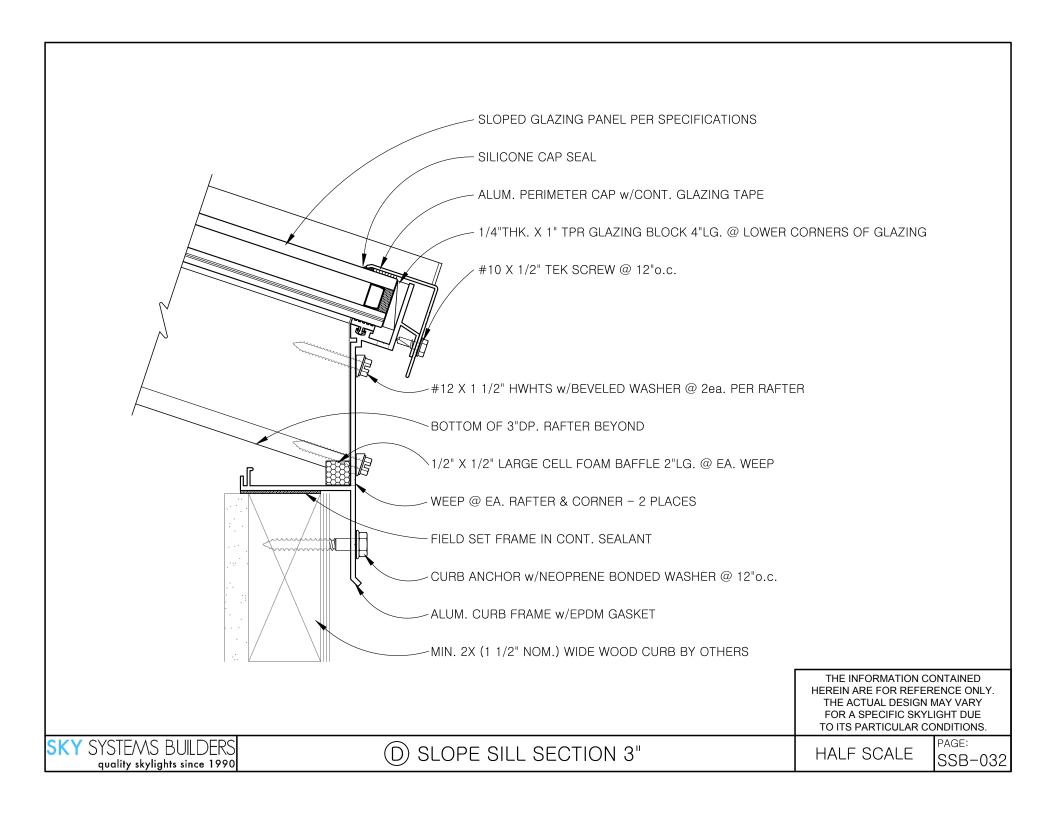
© END SECTION 4"

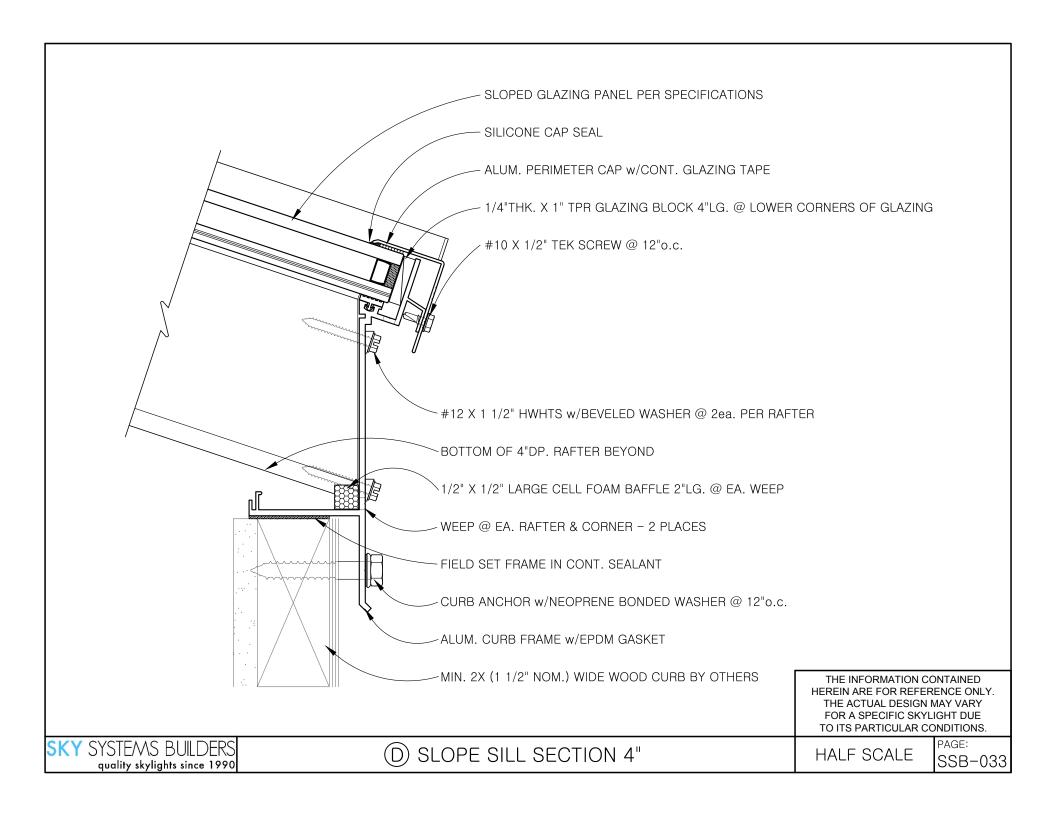
HALF SCALE

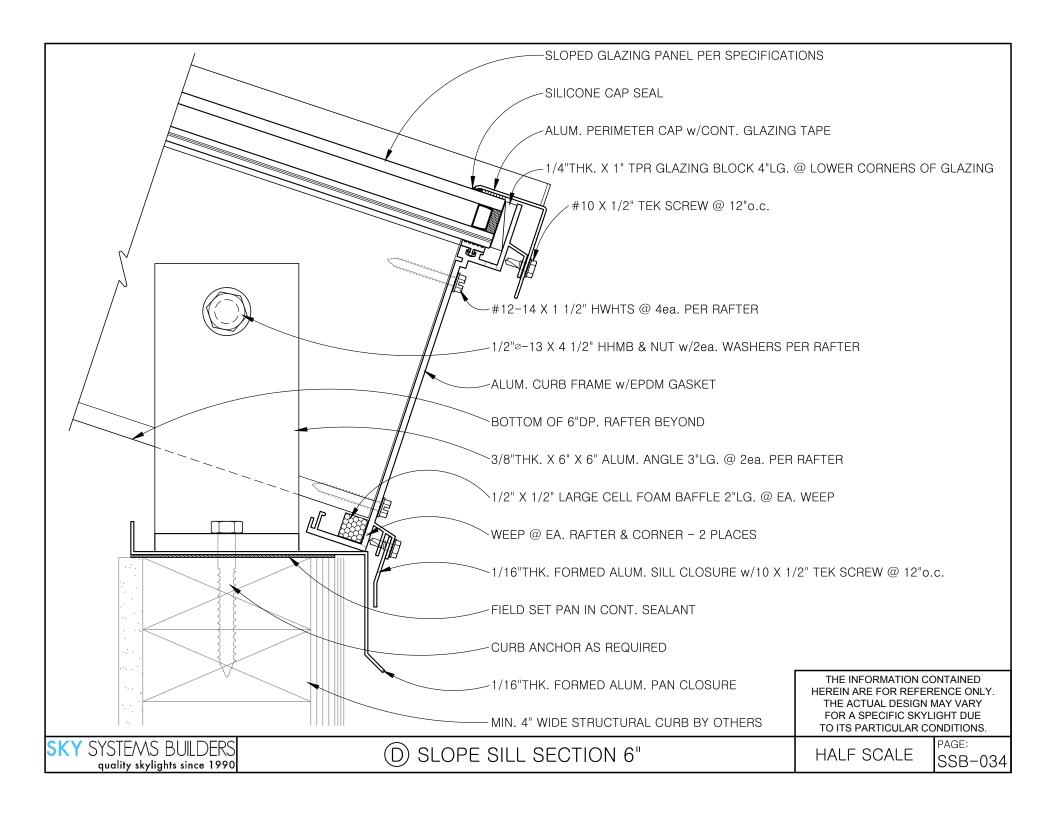
SSB-030

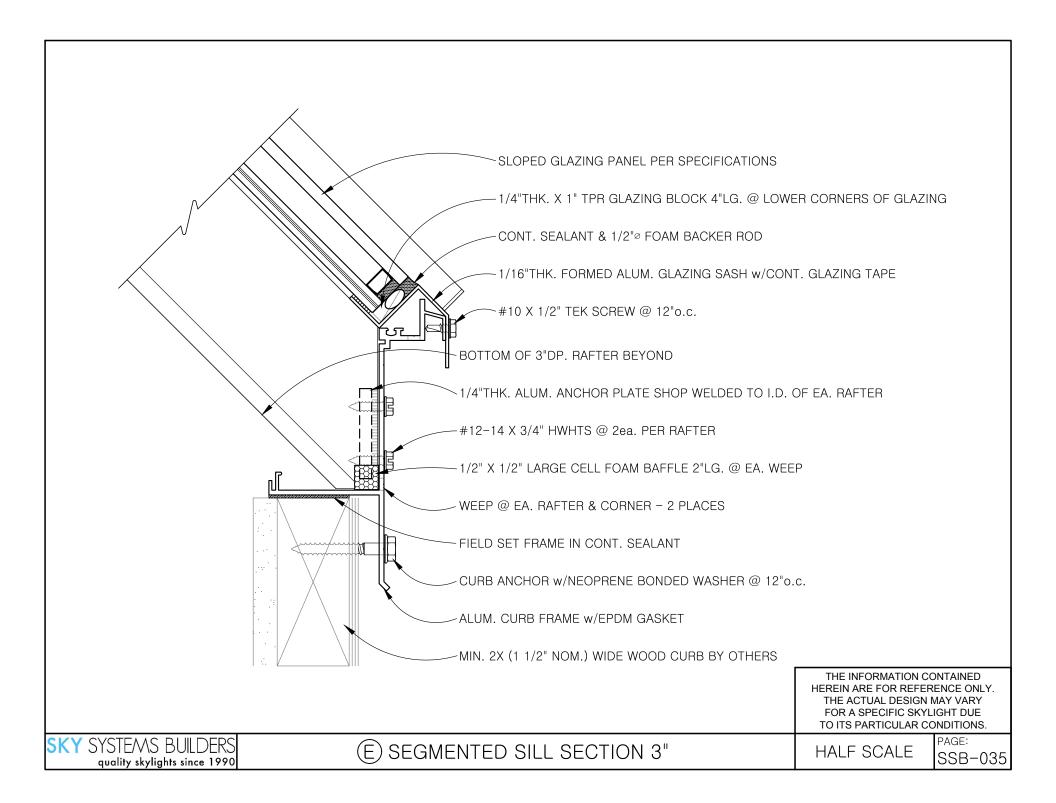
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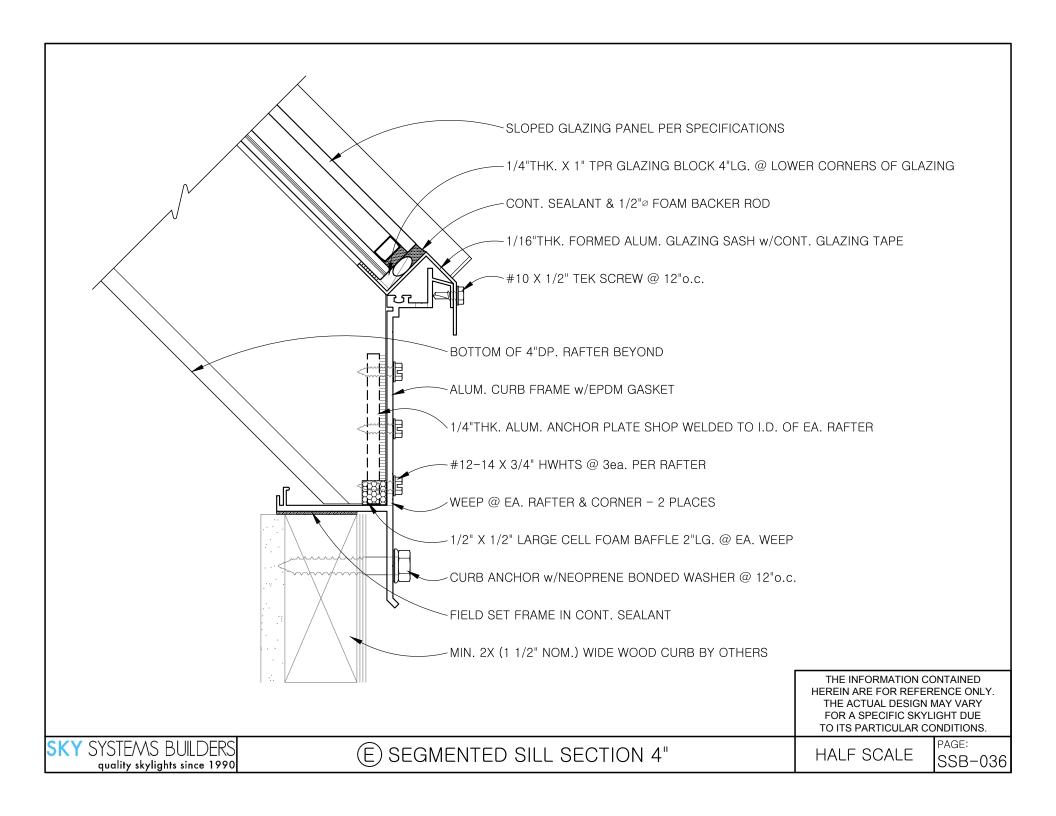


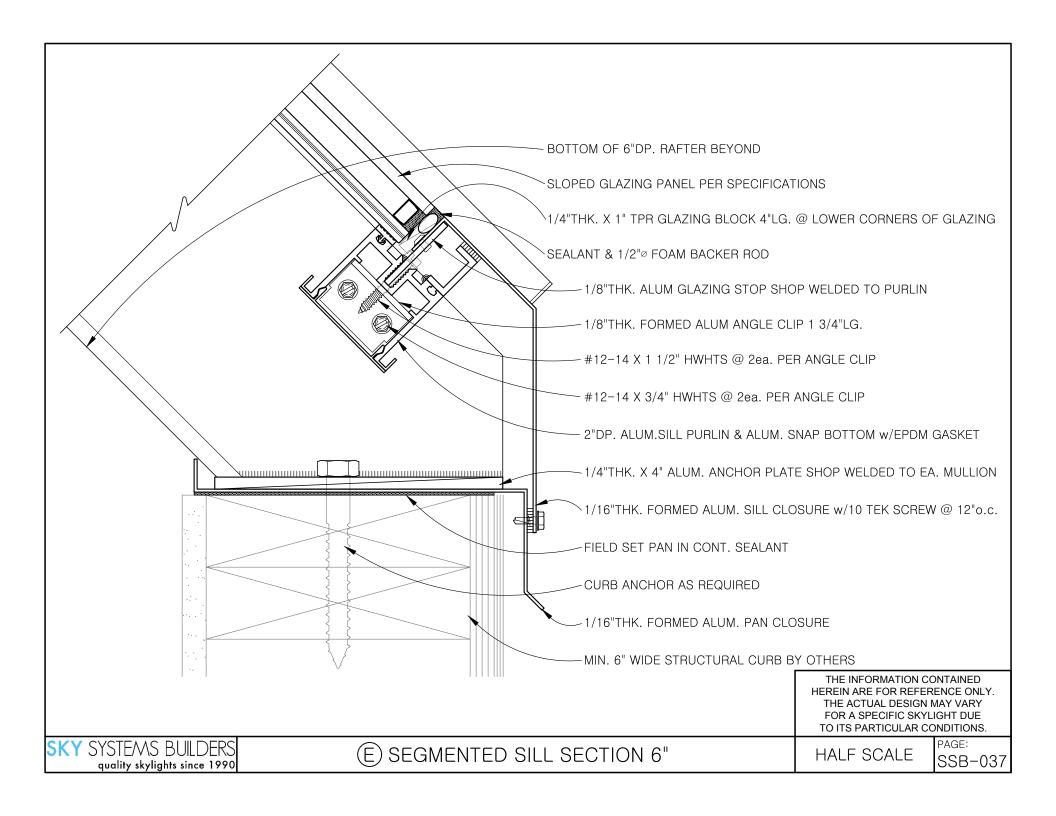


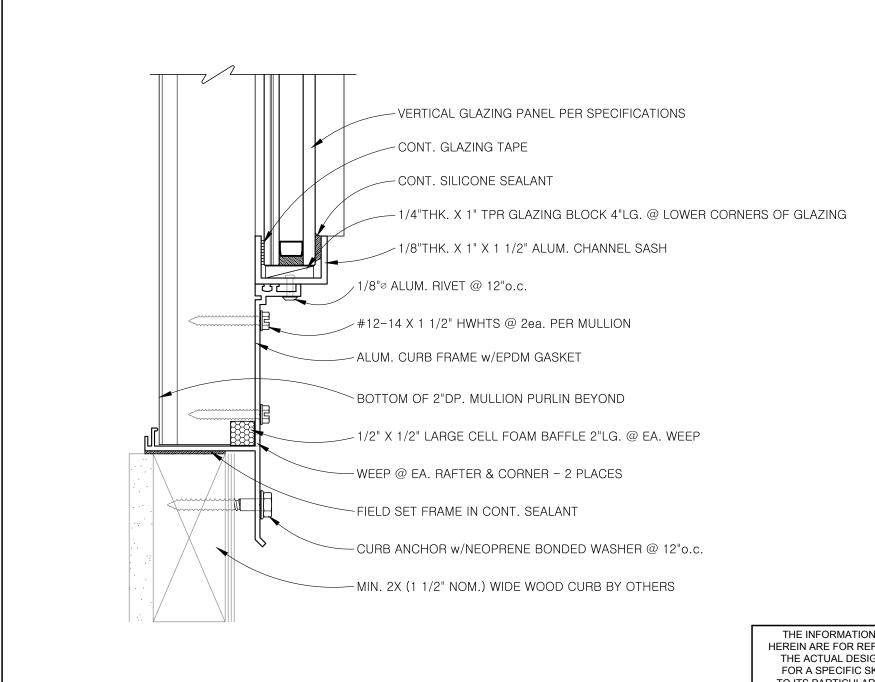








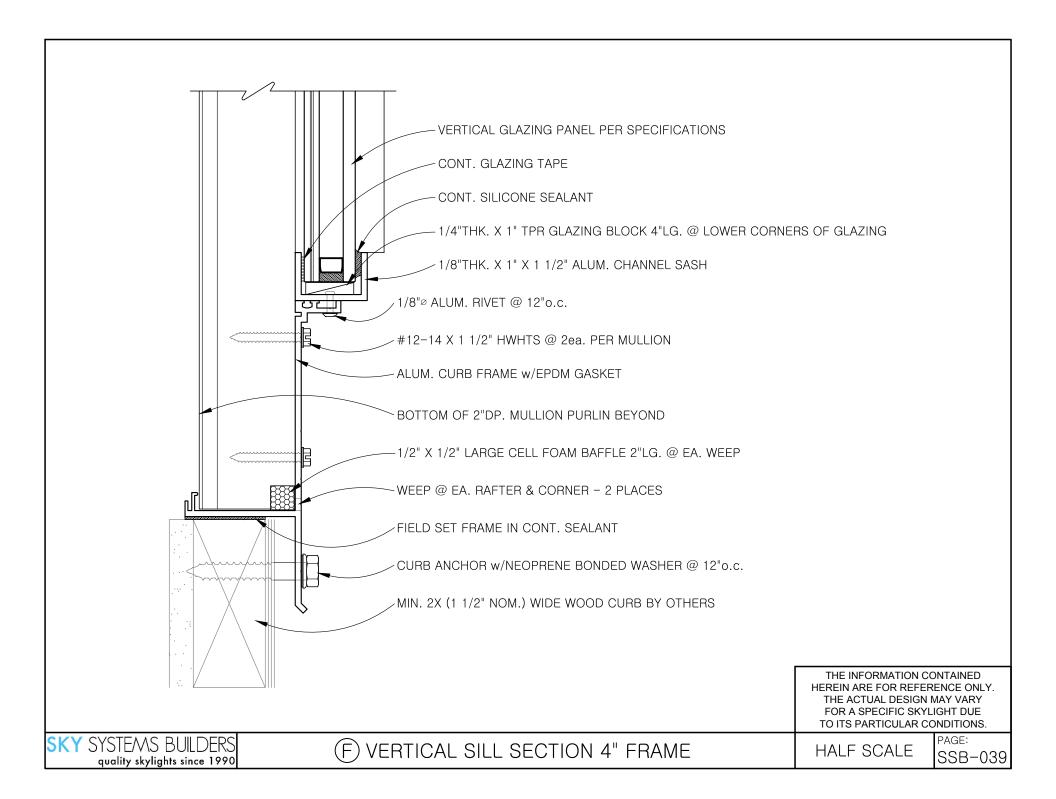


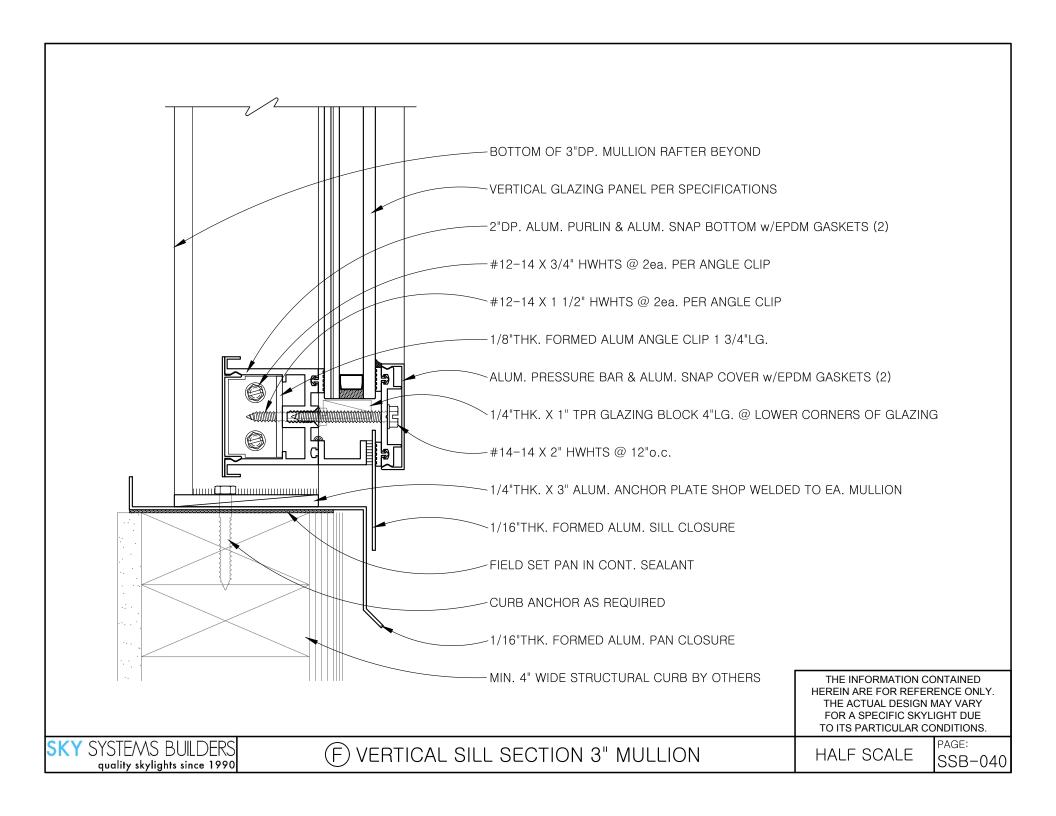


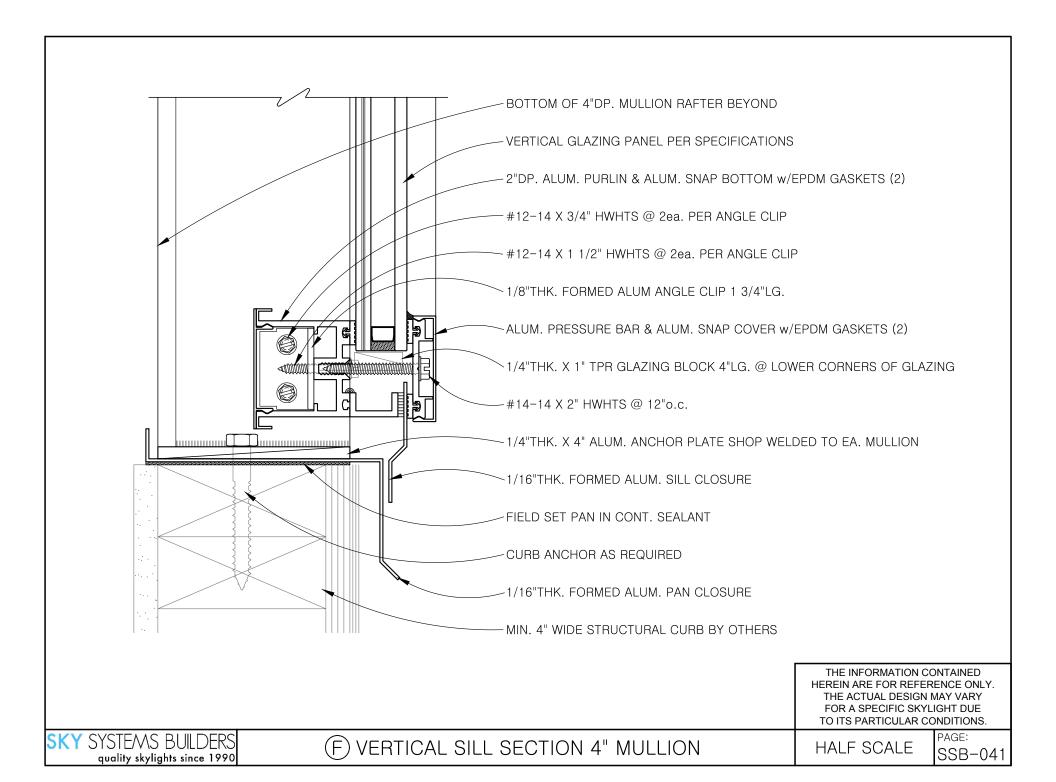
SKY SYSTEMS BUILDERS quality skylights since 1990

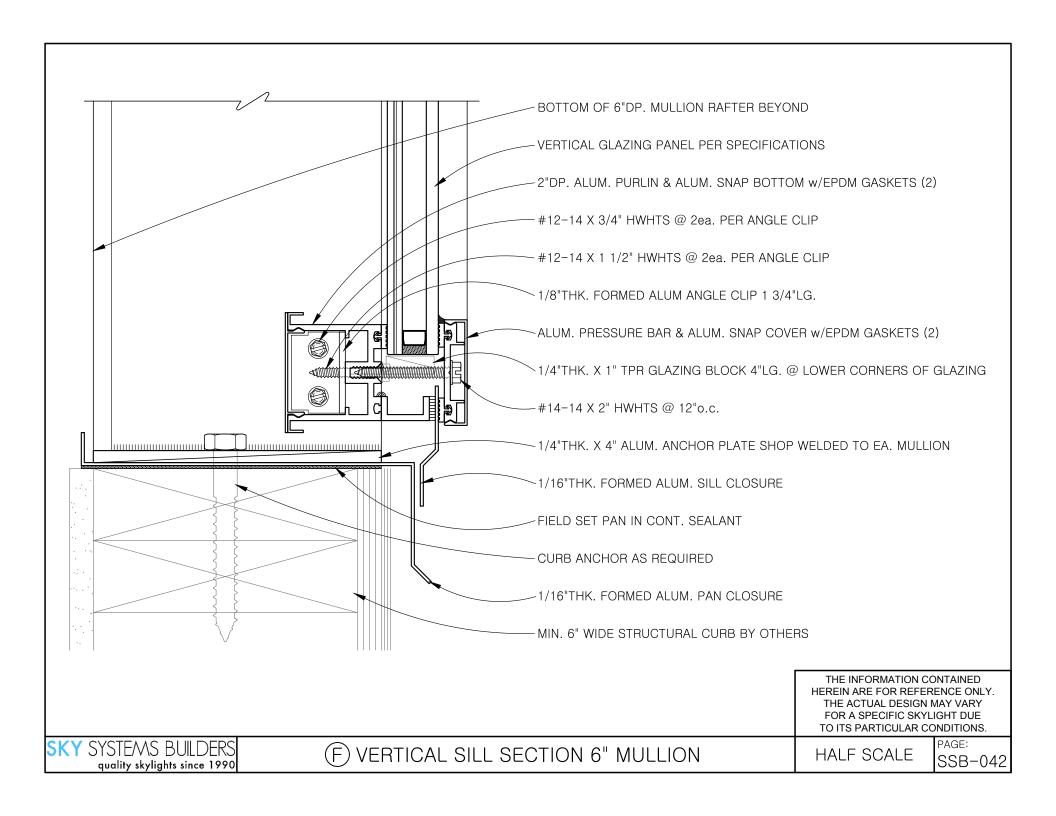
(F) VERTICAL SILL SECTION 3" FRAME

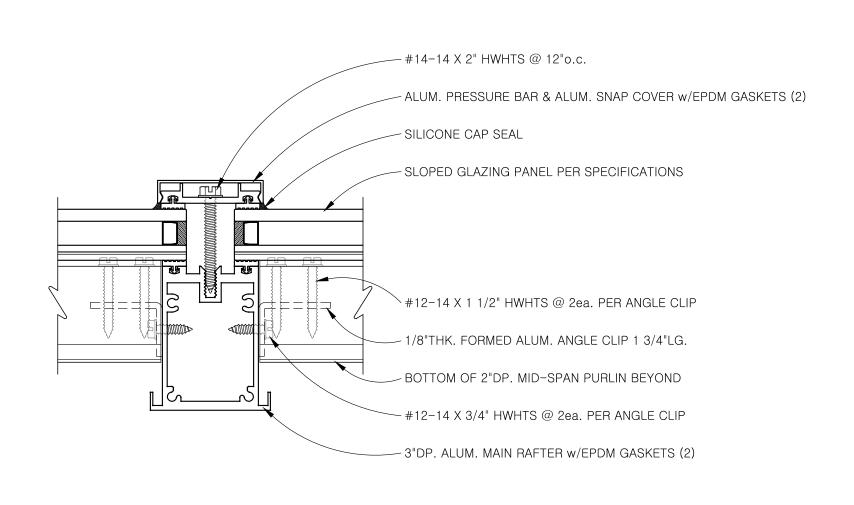
HALF SCALE









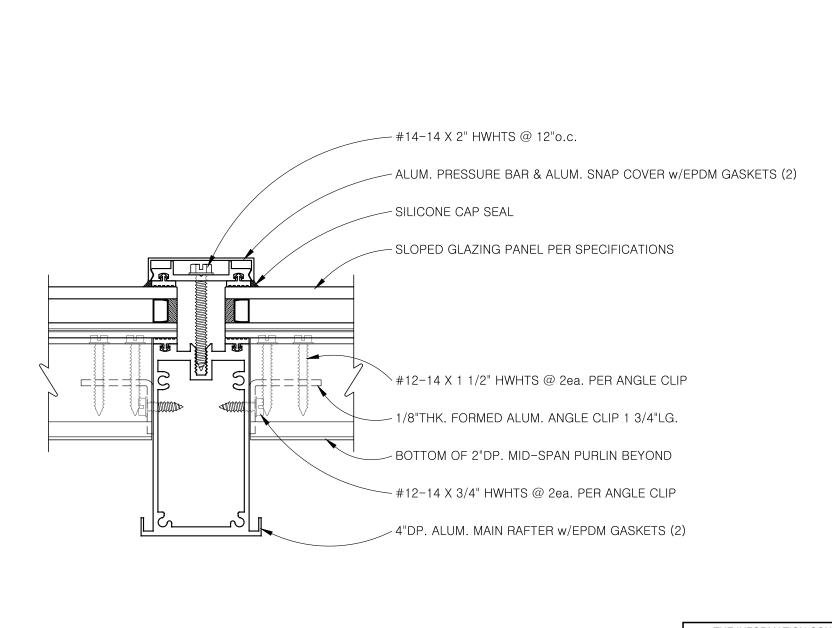


SKY SYSTEMS BUILDERS quality skylights since 1990

G 3"DP. RAFTER

HALF SCALE

SSB-043

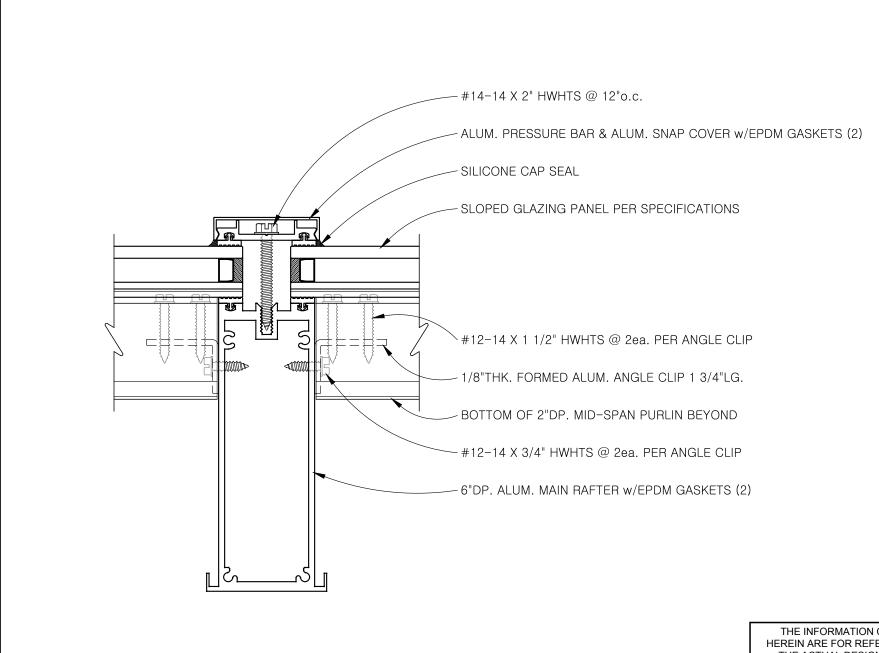


SKY SYSTEMS BUILDERS quality skylights since 1990

G 4"DP. RAFTER

HALF SCALE

SSB-044

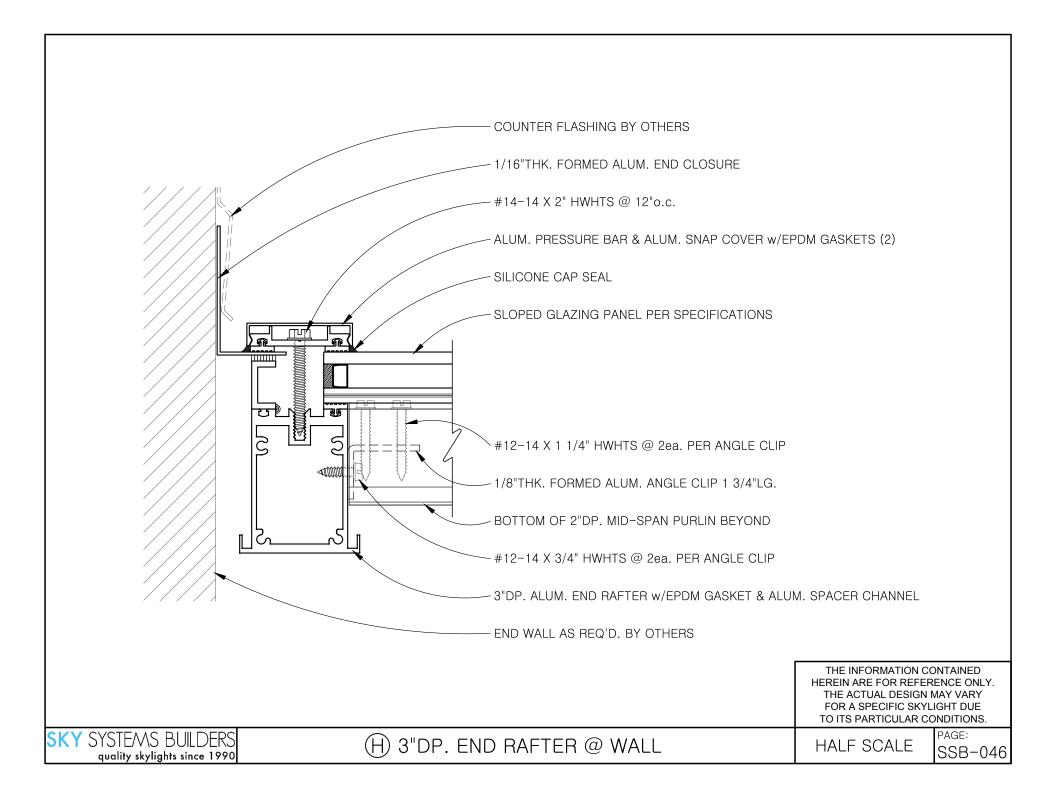


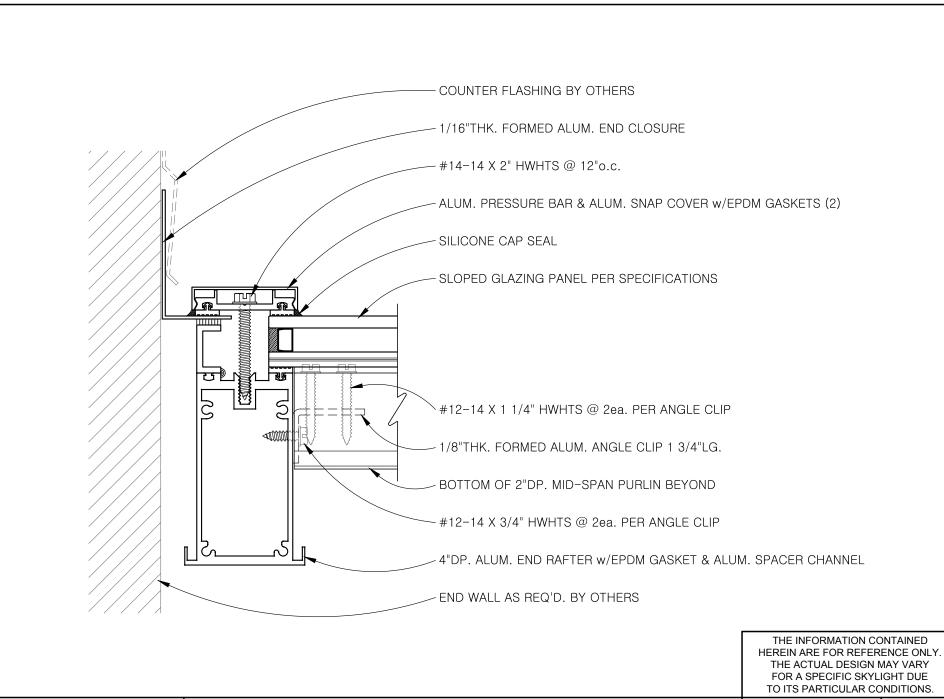
SKY SYSTEMS BUILDERS
quality skylights since 1990

G 6"DP. RAFTER

HALF SCALE

SSB-045

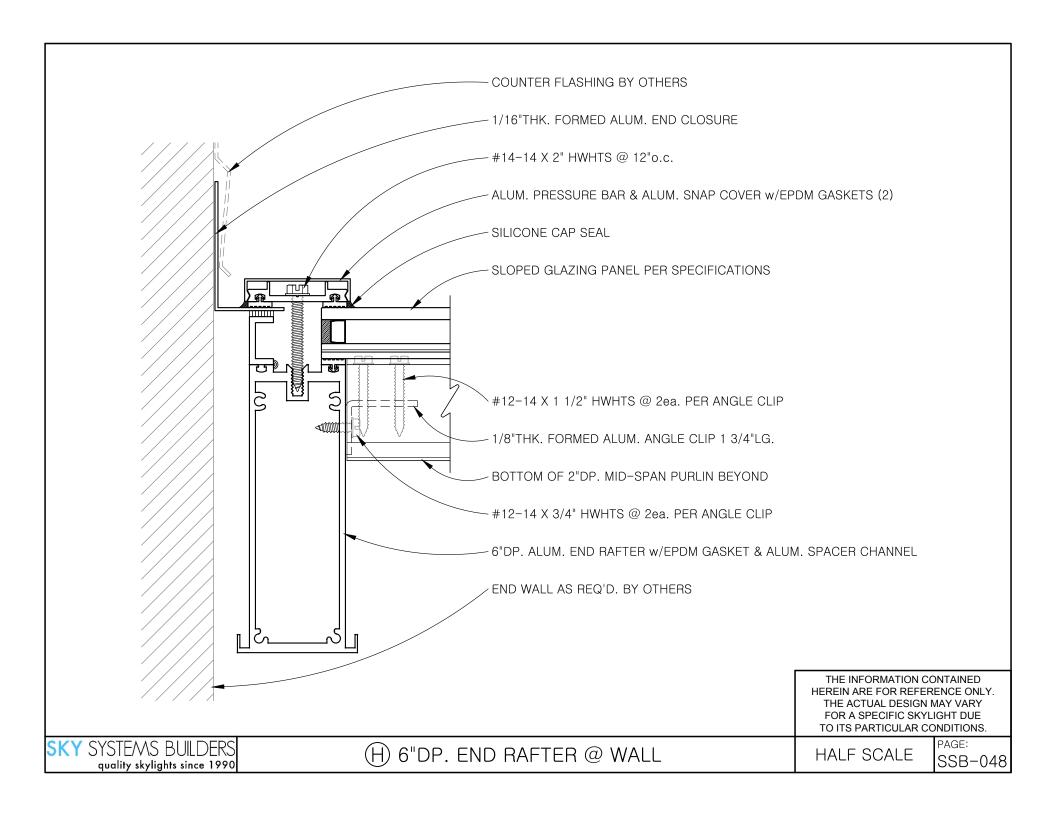


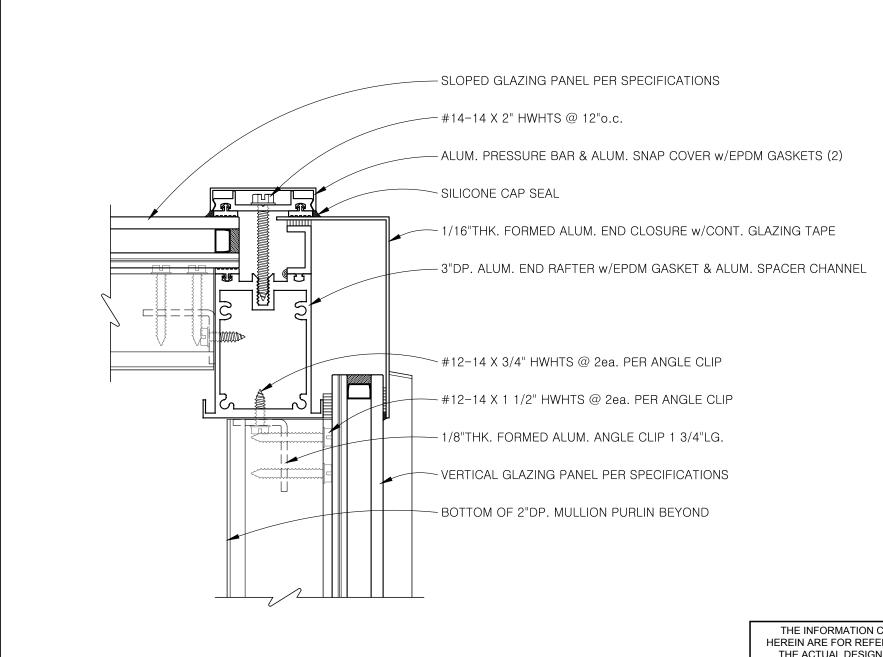


SKY SYSTEMS BUILDERS quality skylights since 1990

H 4"DP. END RAFTER @ WALL

HALF SCALE



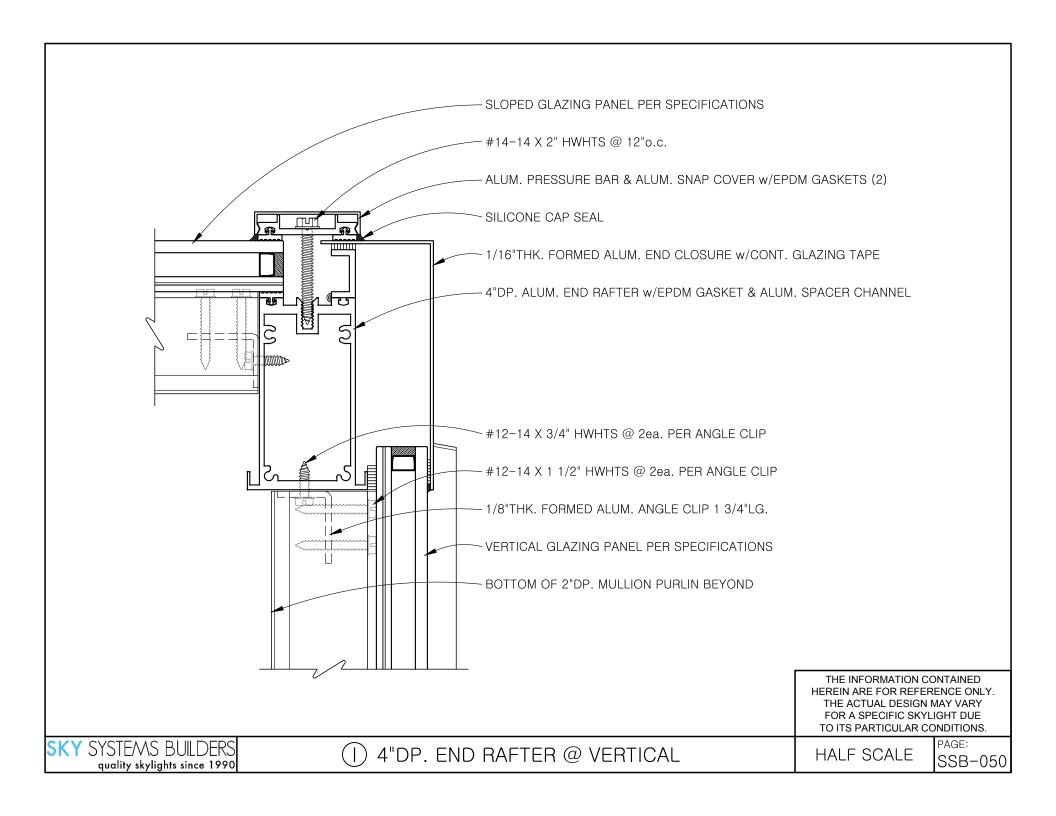


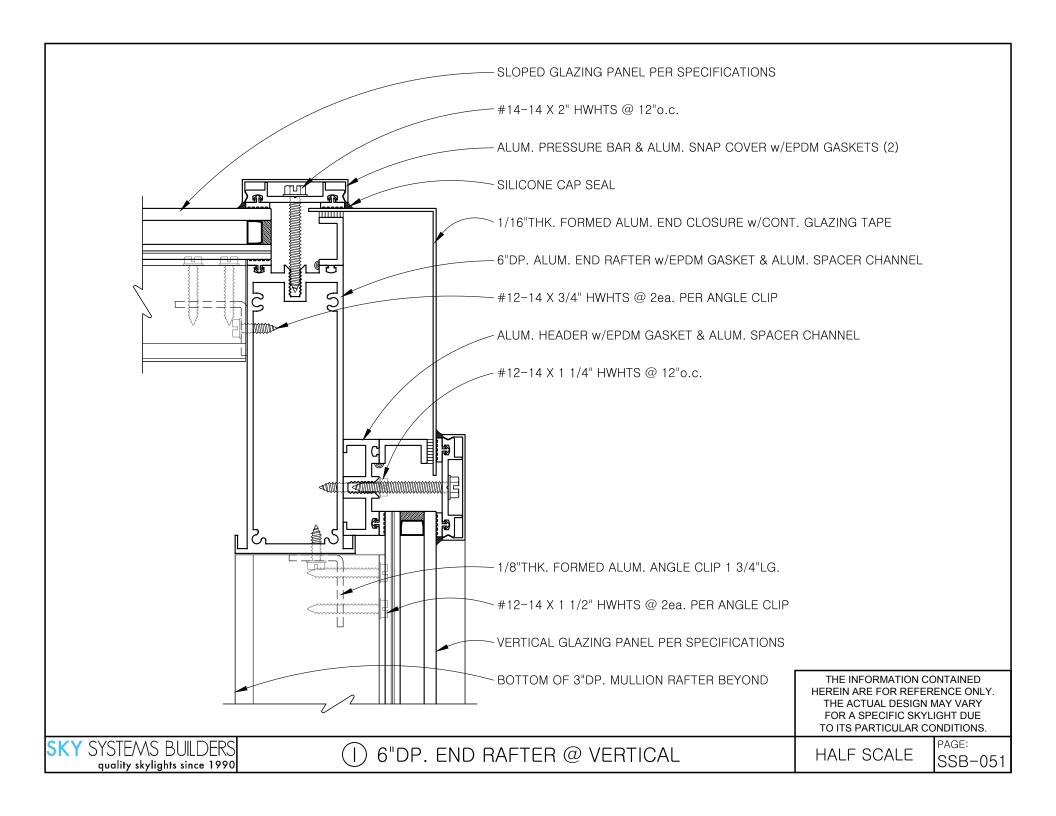
SKY SYSTEMS BUILDERS
quality skylights since 1990

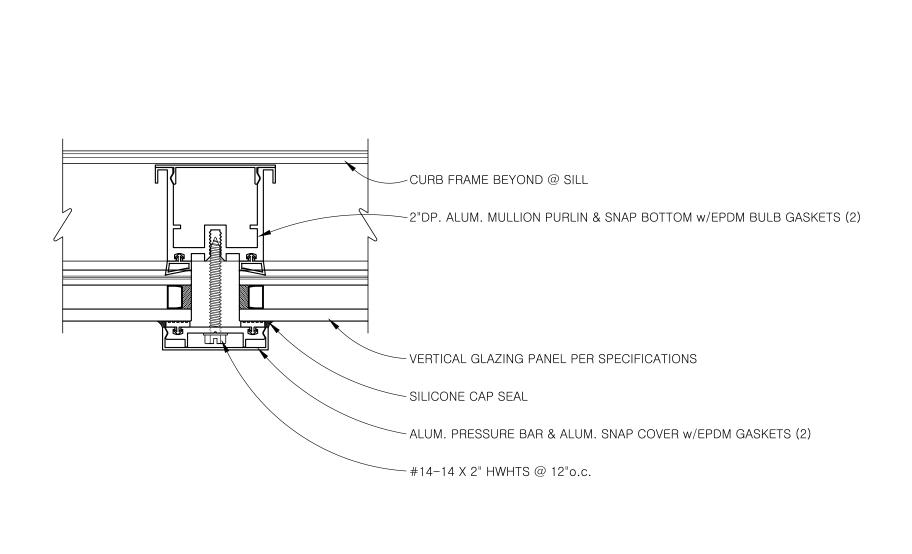
(1) 3"DP. END RAFTER @ VERTICAL

HALF SCALE

SSB-049



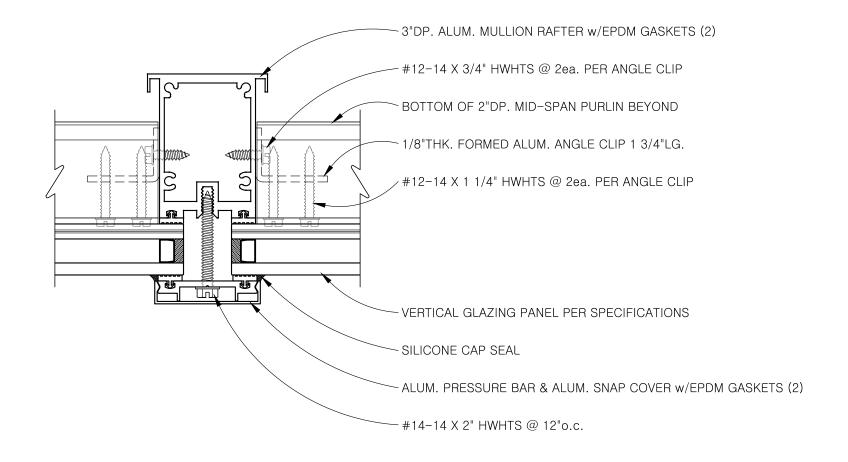




SKY SYSTEMS BUILDERS
quality skylights since 1990

J 2"DP. MULLION

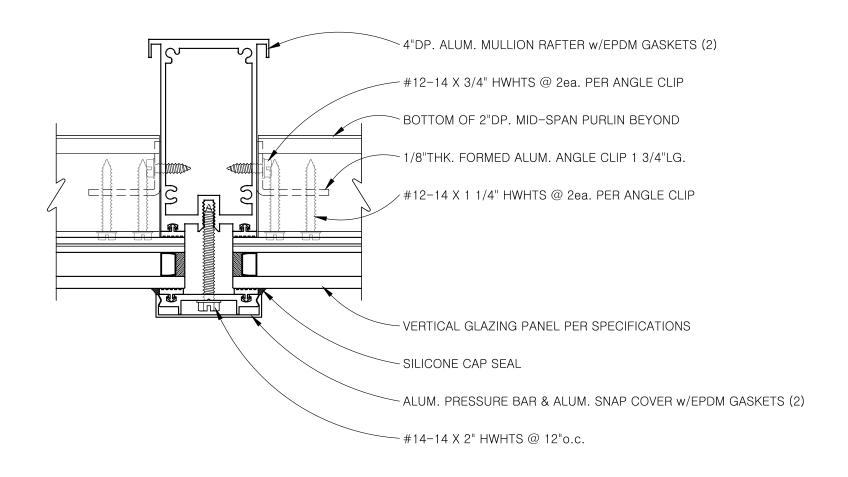
HALF SCALE



SKY SYSTEMS BUILDERS quality skylights since 1990

J 3"DP. MULLION

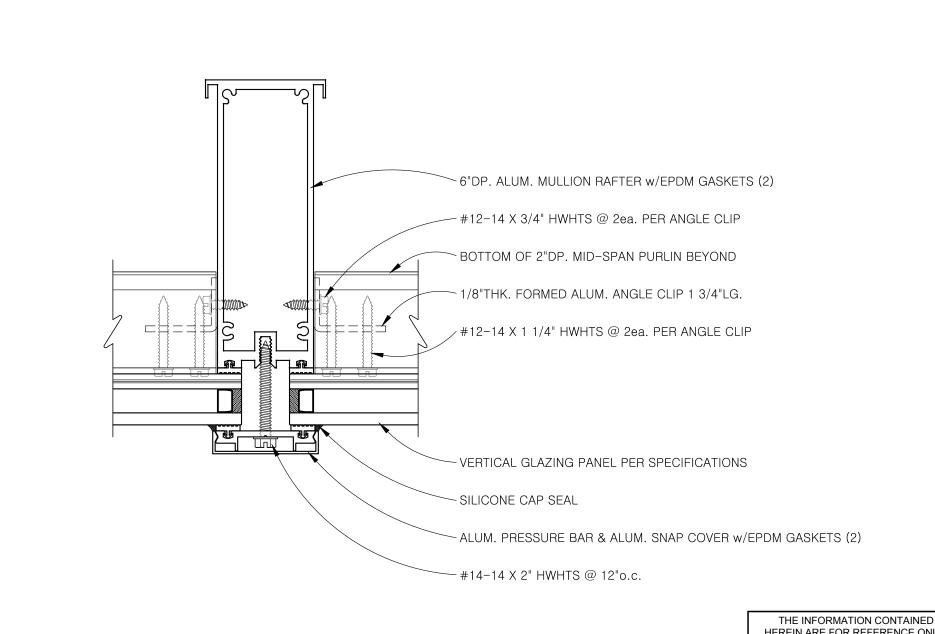
HALF SCALE



SKY SYSTEMS BUILDERS quality skylights since 1990

J 4"DP. MULLION

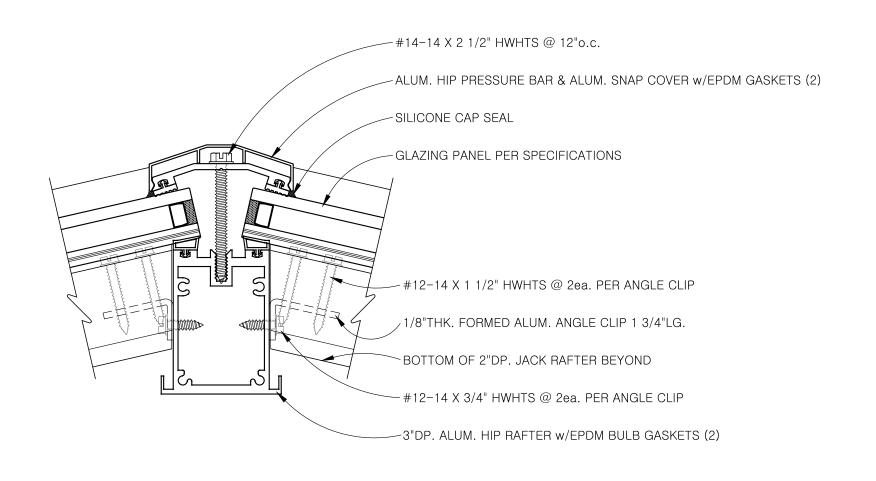
HALF SCALE



SKY SYSTEMS BUILDERS quality skylights since 1990

① 6"DP. MULLION

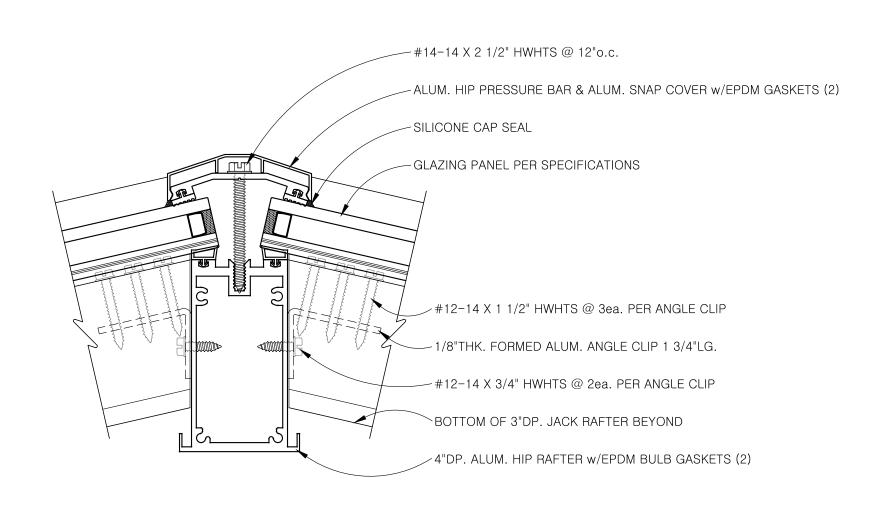
HALF SCALE



SKY SYSTEMS BUILDERS quality skylights since 1990

(K) 3"DP. HIP RAFTER

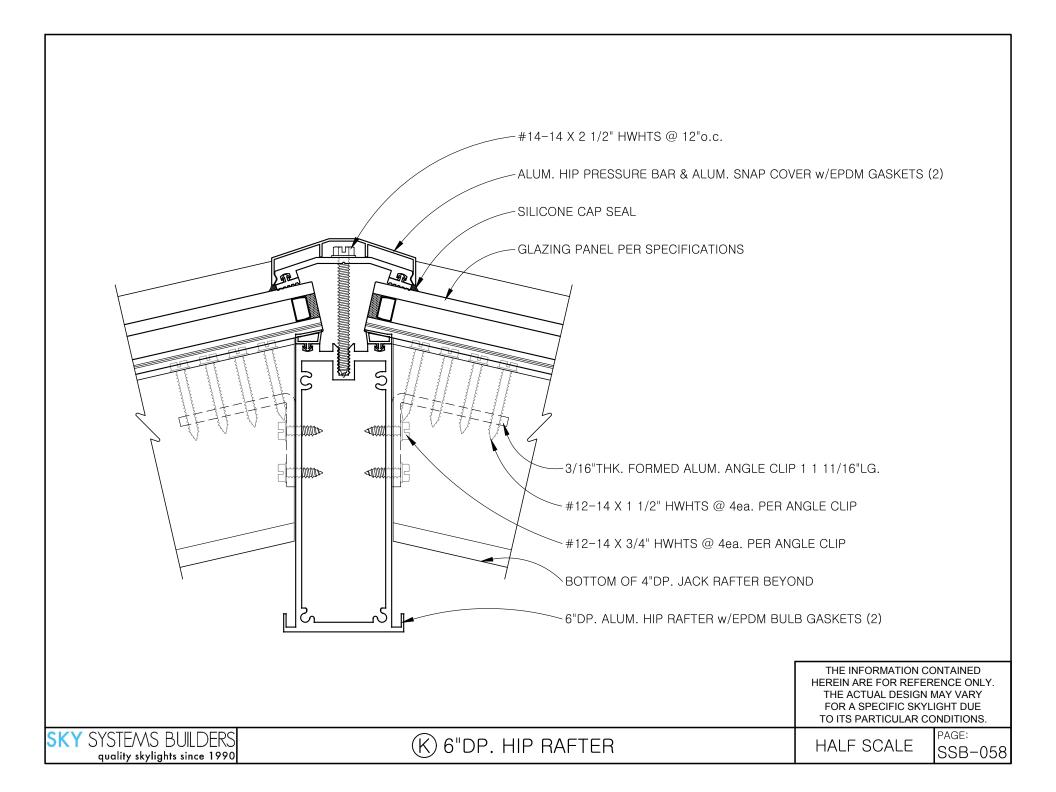
HALF SCALE

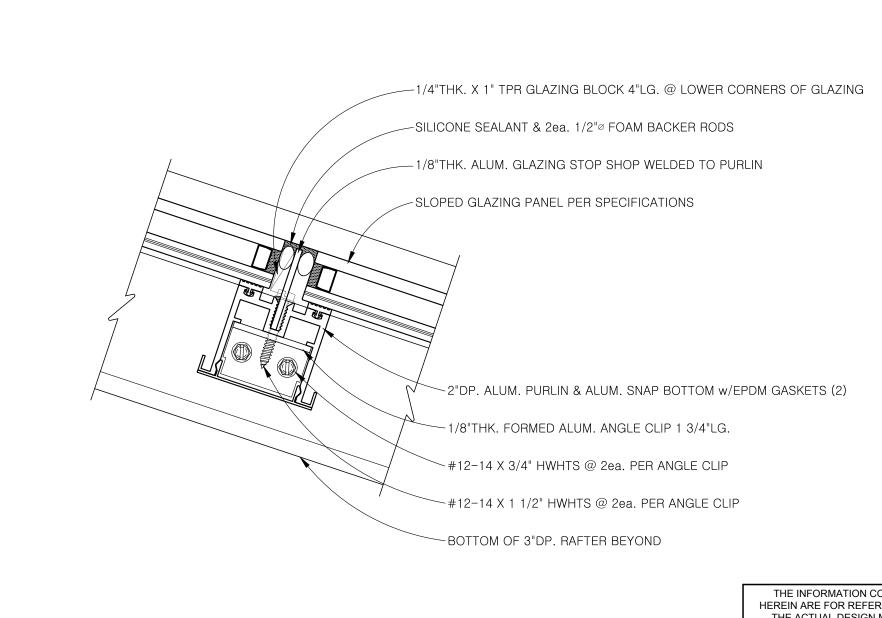


SKY SYSTEMS BUILDERS
quality skylights since 1990

K 4"DP. HIP RAFTER

HALF SCALE

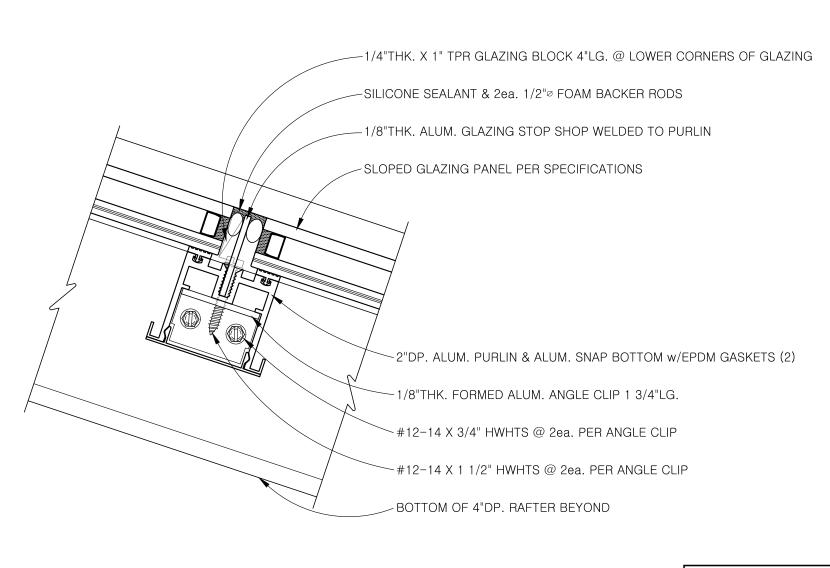




SKY SYSTEMS BUILDERS
quality skylights since 1990

L PURLIN @ 3" RAFTER

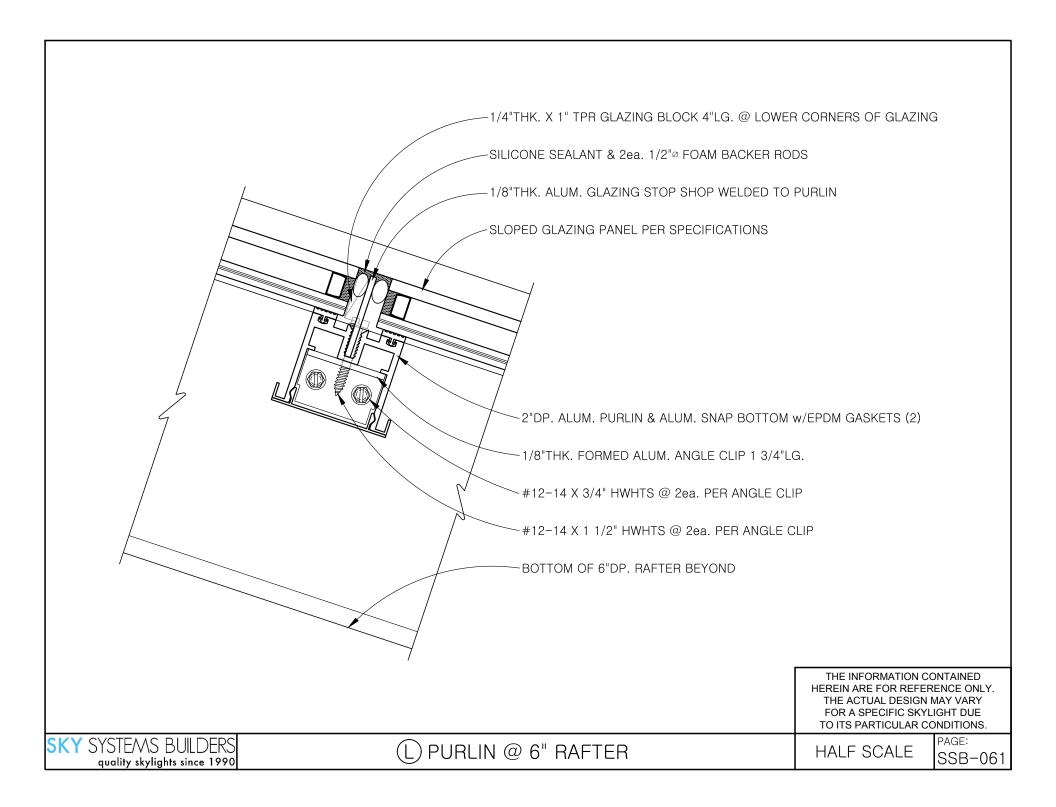
HALF SCALE

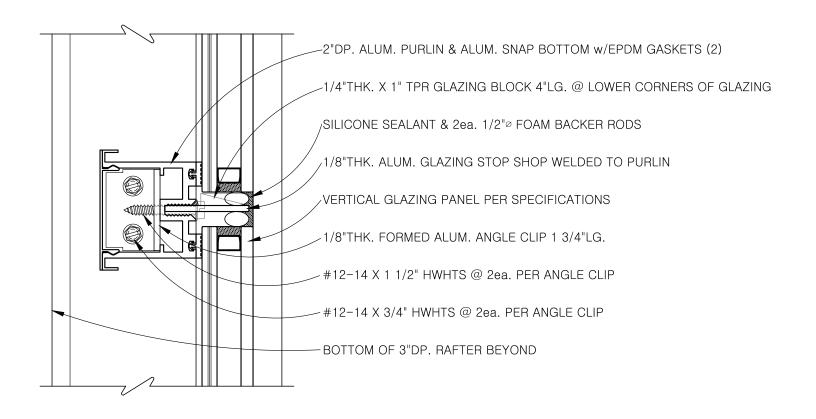


SKY SYSTEMS BUILDERS
quality skylights since 1990

L PURLIN @ 4" RAFTER

HALF SCALE

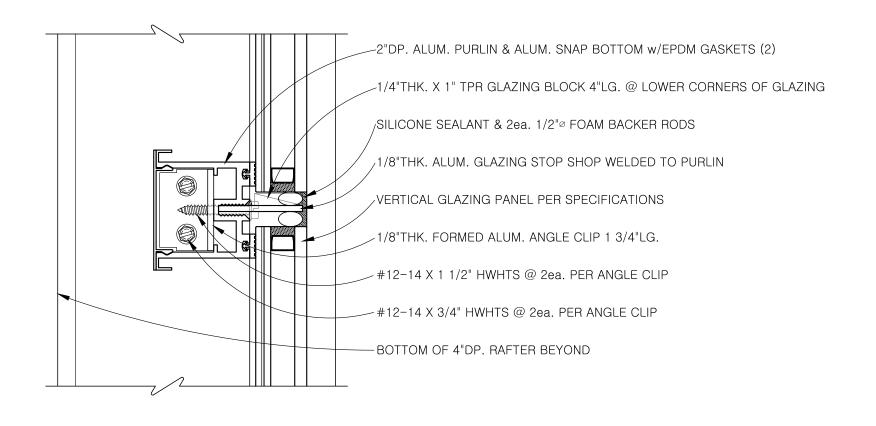




SKY SYSTEMS BUILDERS quality skylights since 1990

M PURLIN @ 3" MULLION

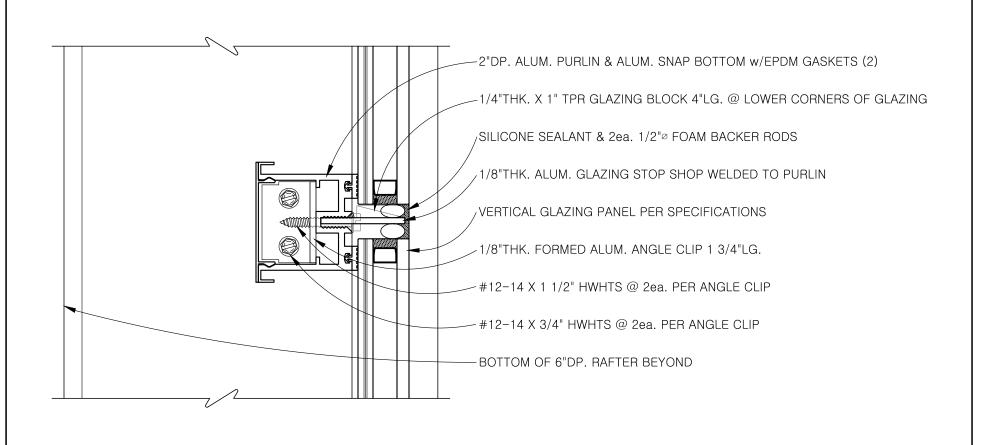
HALF SCALE



SKY SYSTEMS BUILDERS quality skylights since 1990

M PURLIN @ 4" MULLION

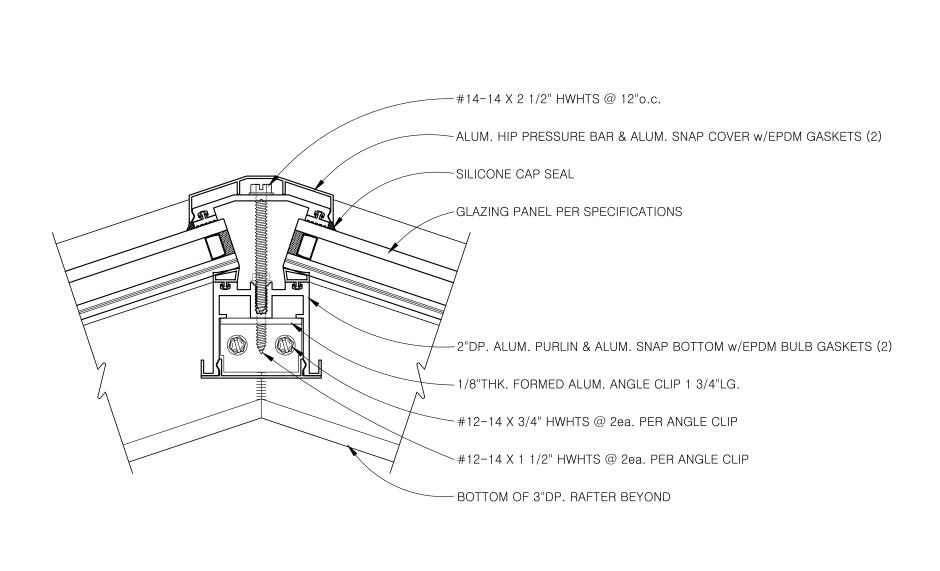
HALF SCALE



SKY SYSTEMS BUILDERS
quality skylights since 1990

M PURLIN @ 6" MULLION

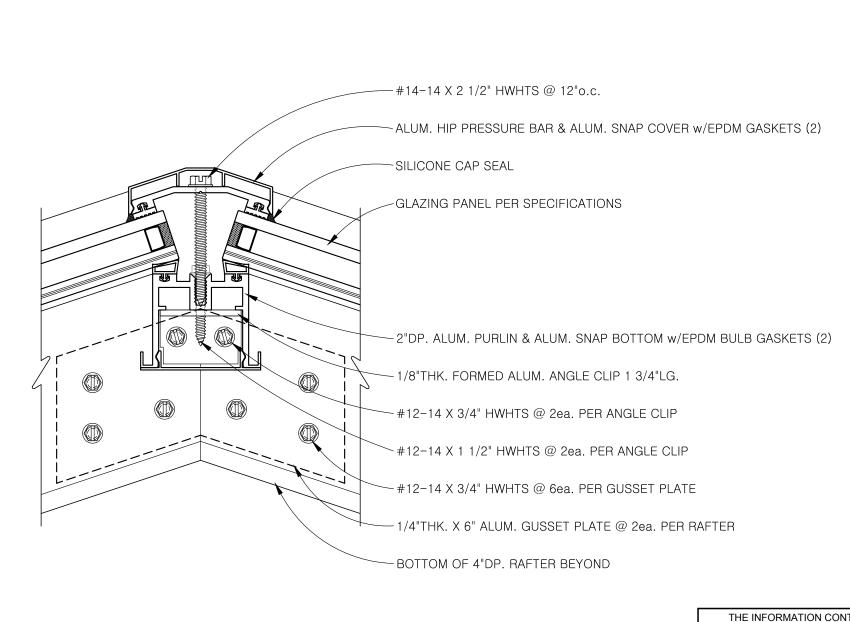
HALF SCALE



SKY SYSTEMS BUILDERS
quality skylights since 1990

N RIDGE @ 3"DP. RAFTER

HALF SCALE

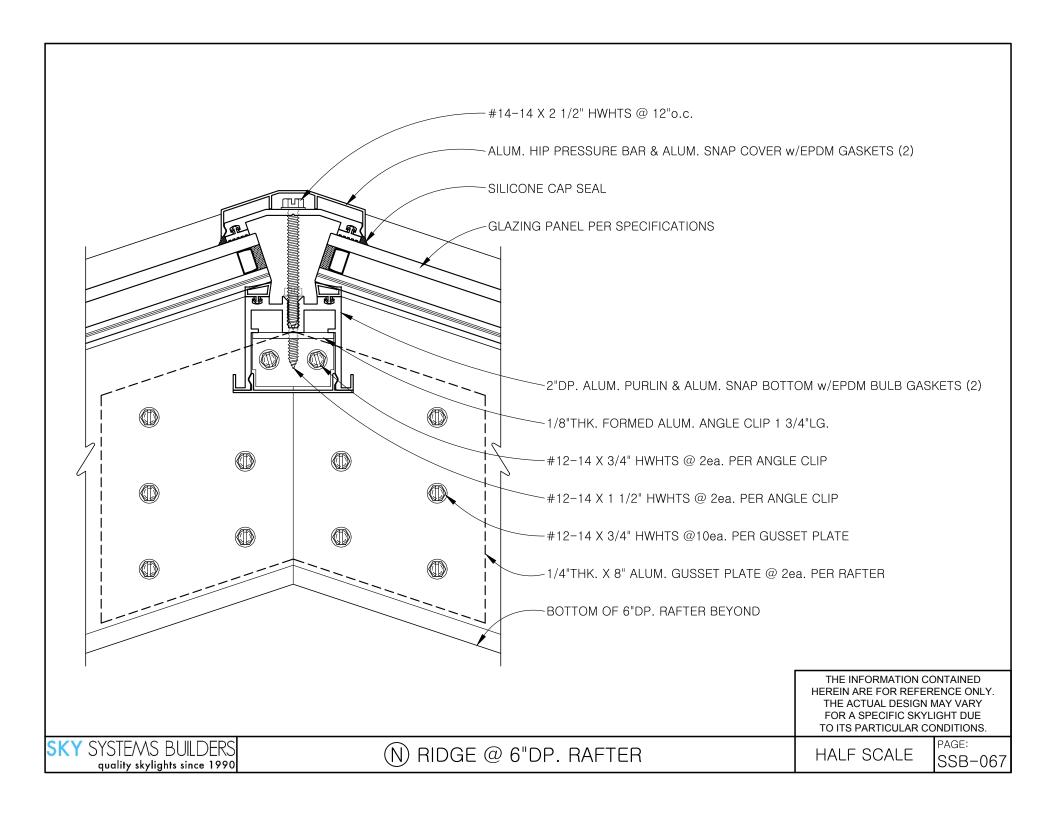


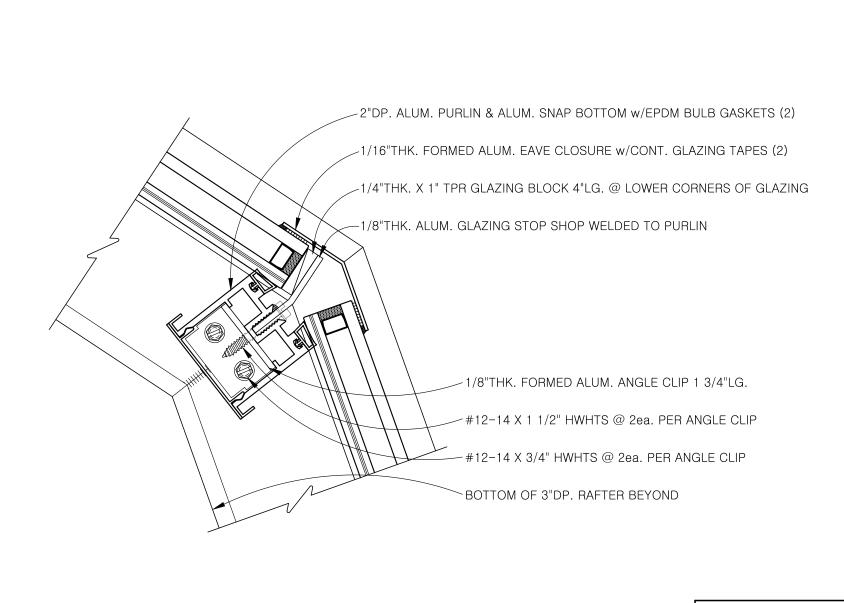
SKY SYSTEMS BUILDERS
quality skylights since 1990

N RIDGE @ 4"DP. RAFTER

HALF SCALE

SSB-066

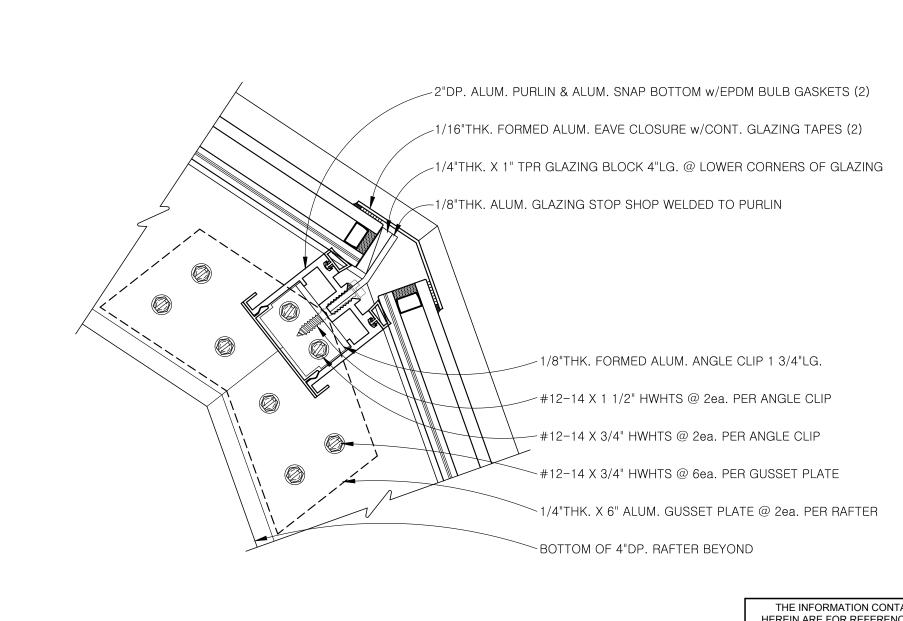




SKY SYSTEMS BUILDERS
quality skylights since 1990

O SEGMENTED 3"DP. RAFTER

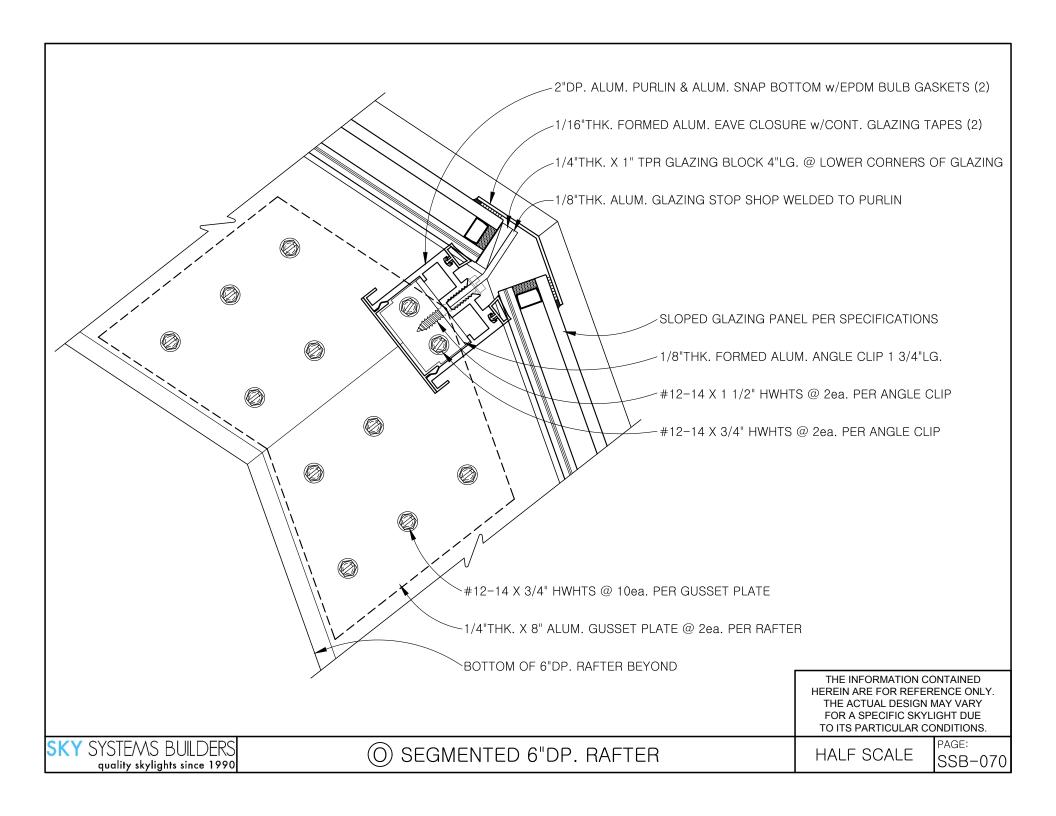
HALF SCALE

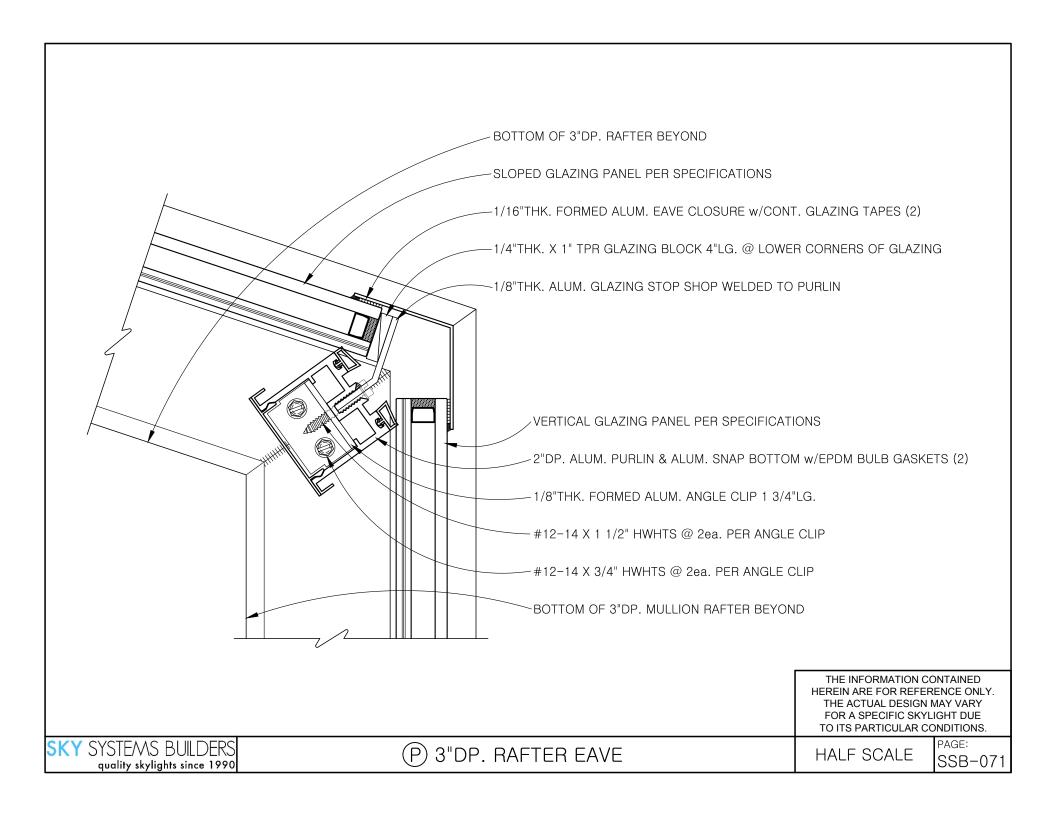


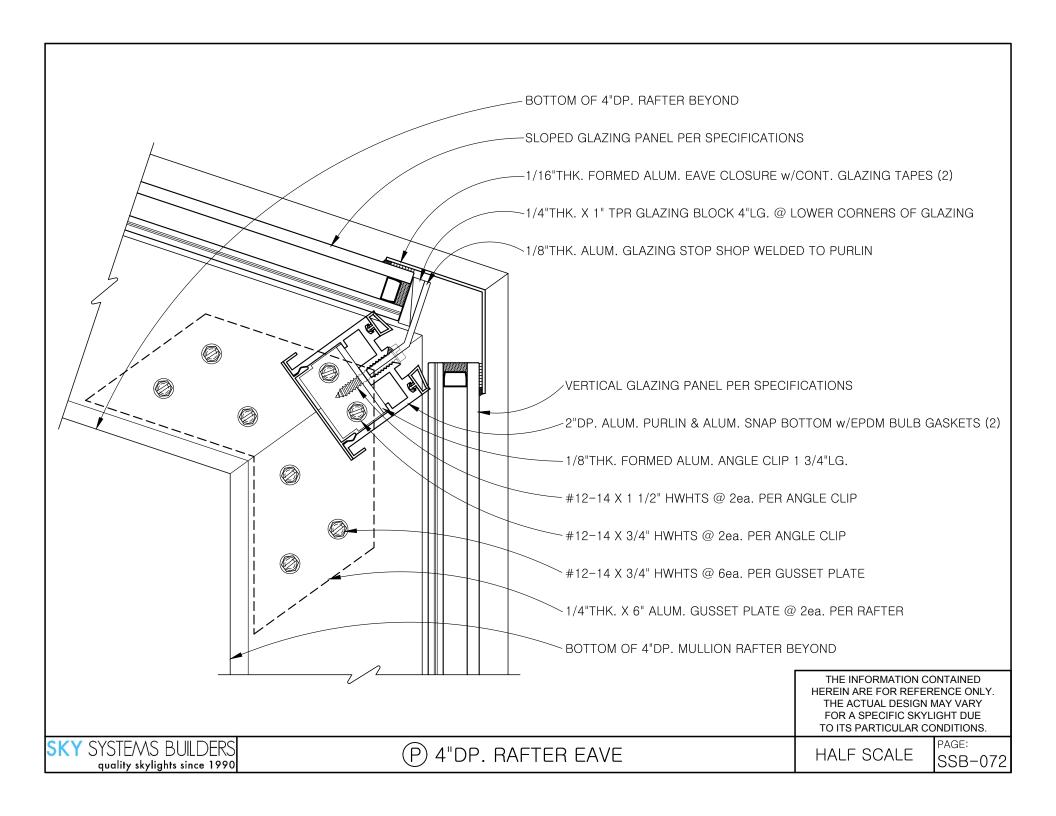
SKY SYSTEMS BUILDERS
quality skylights since 1990

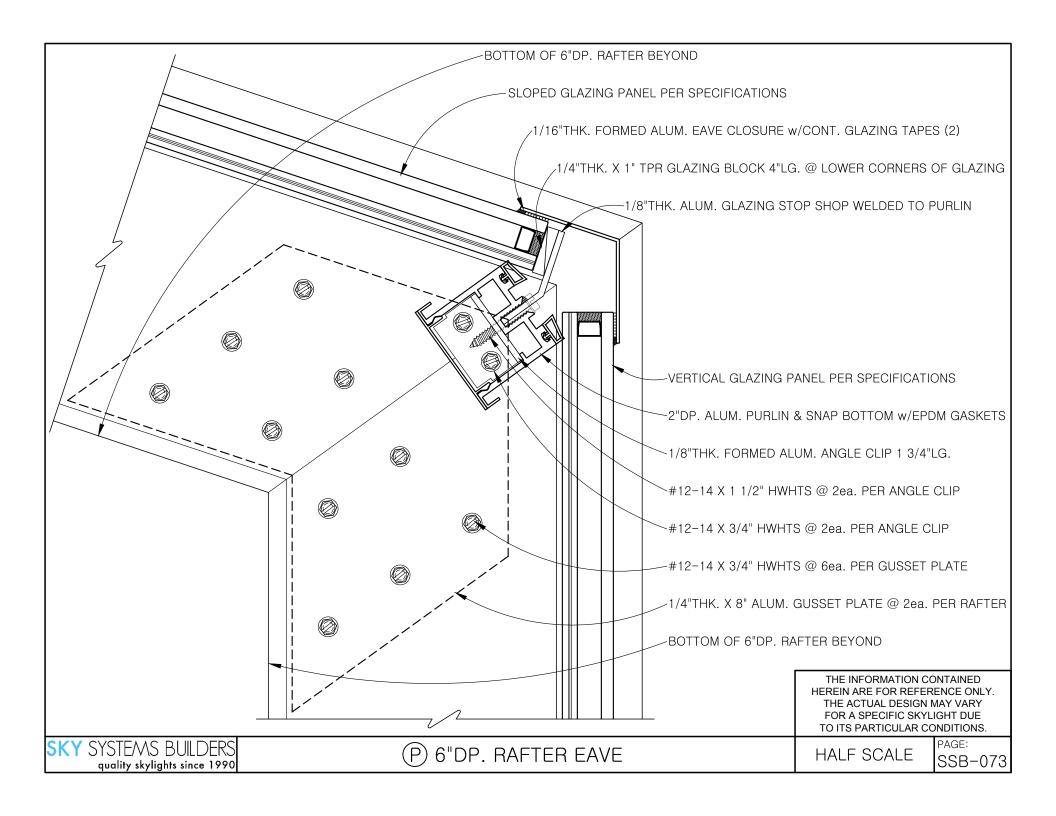
O SEGMENTED 4"DP. RAFTER

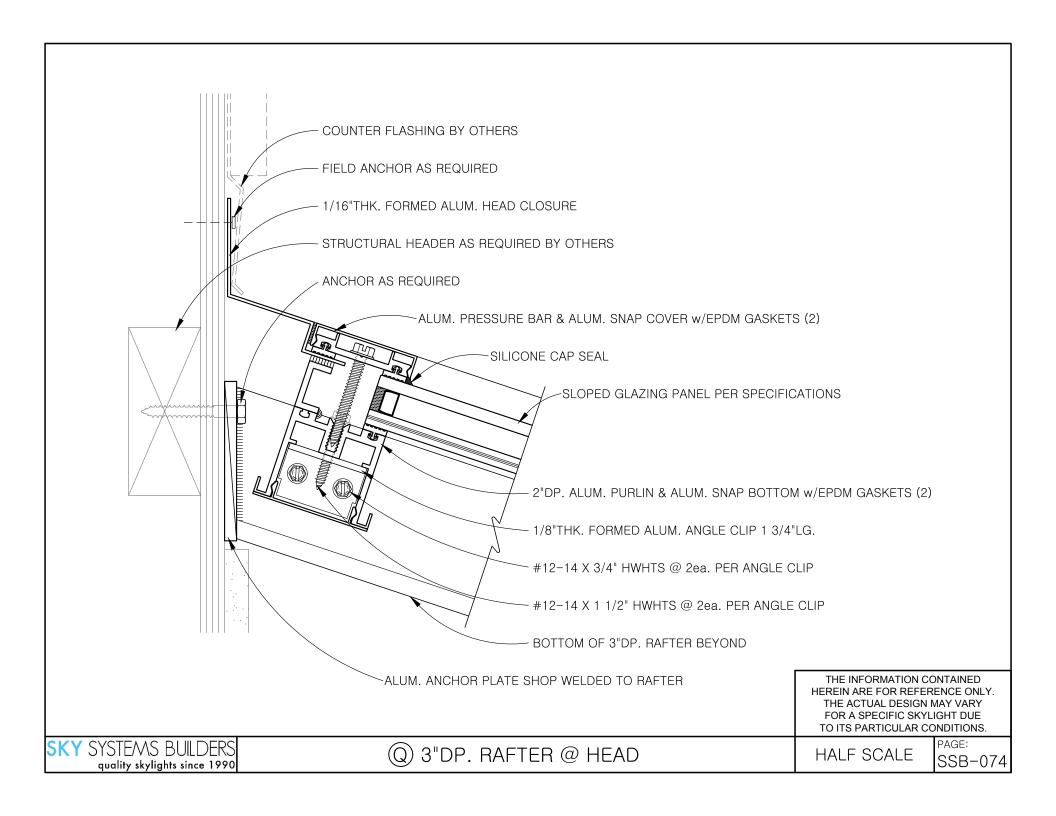
HALF SCALE

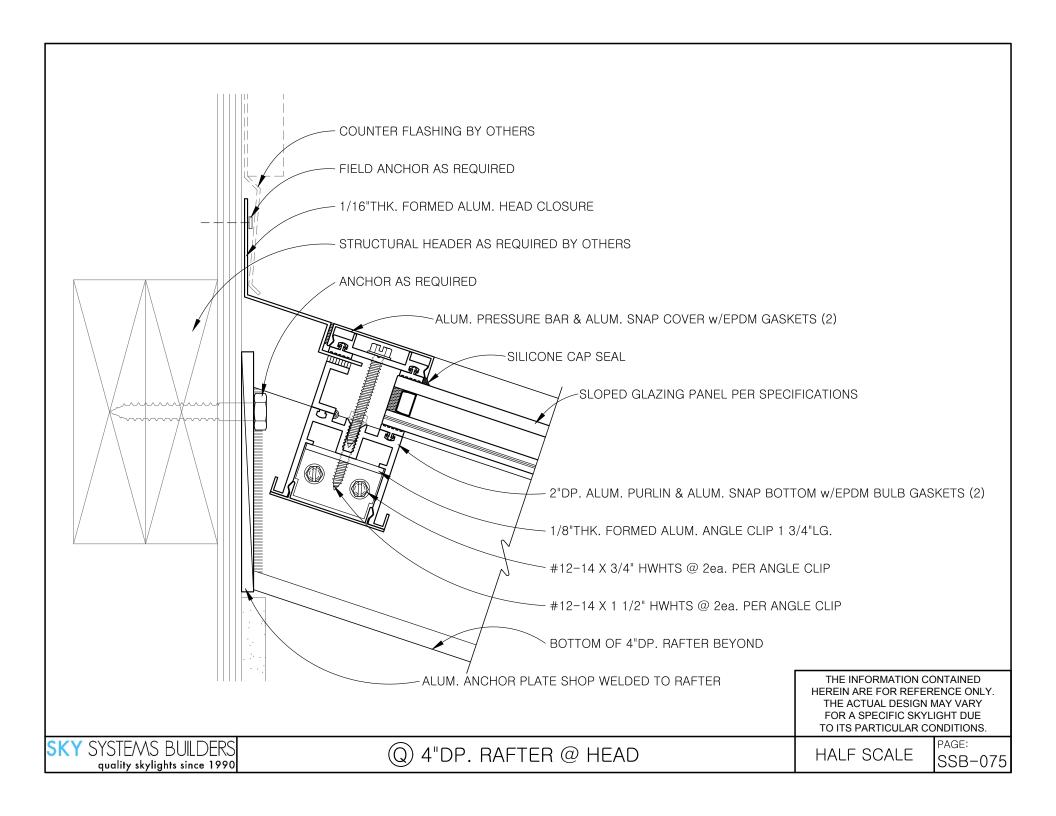


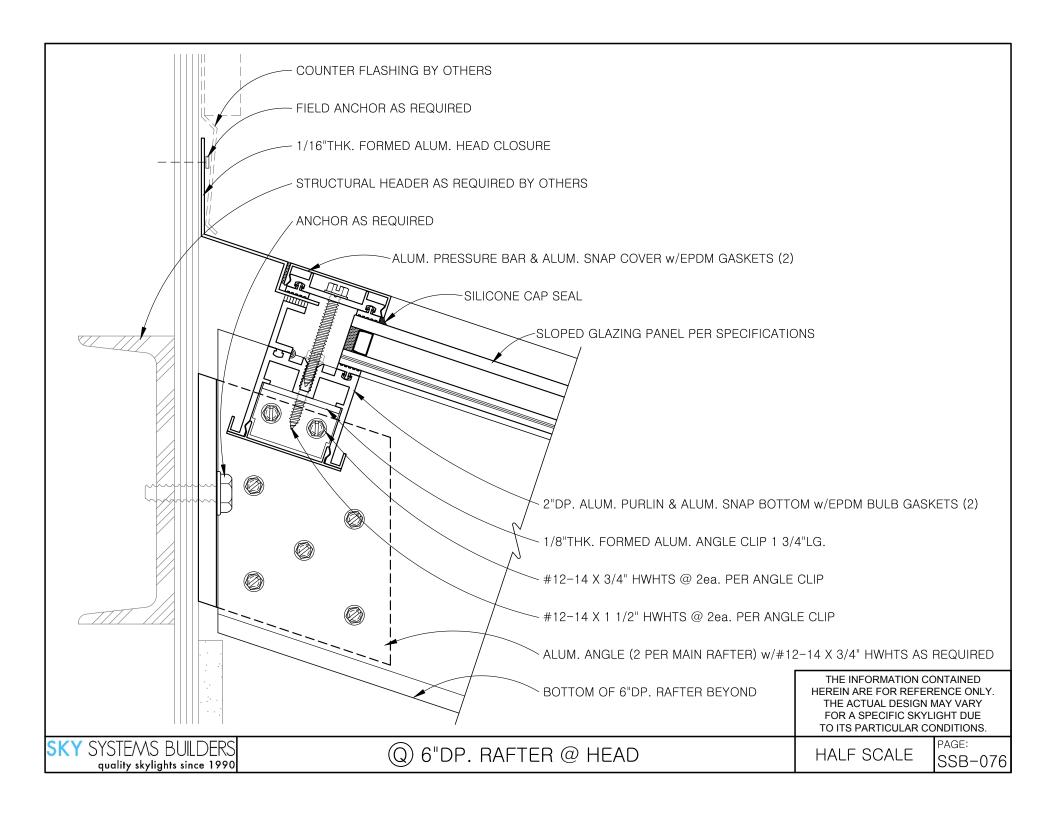


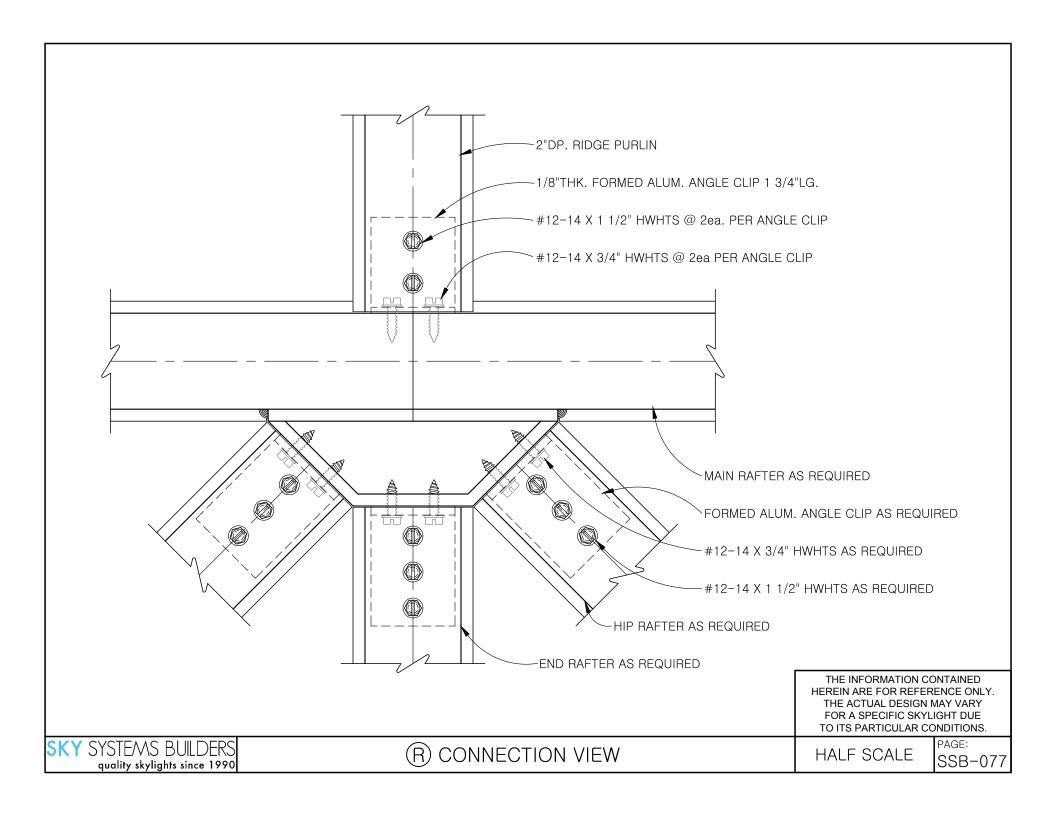


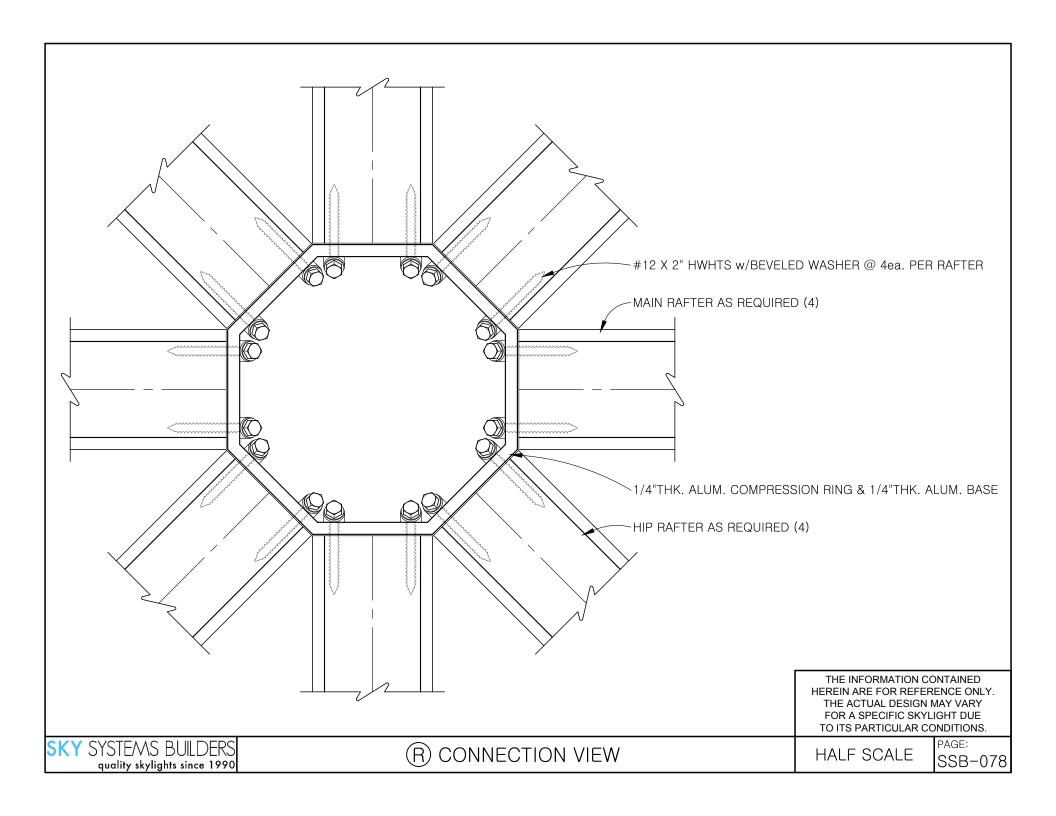


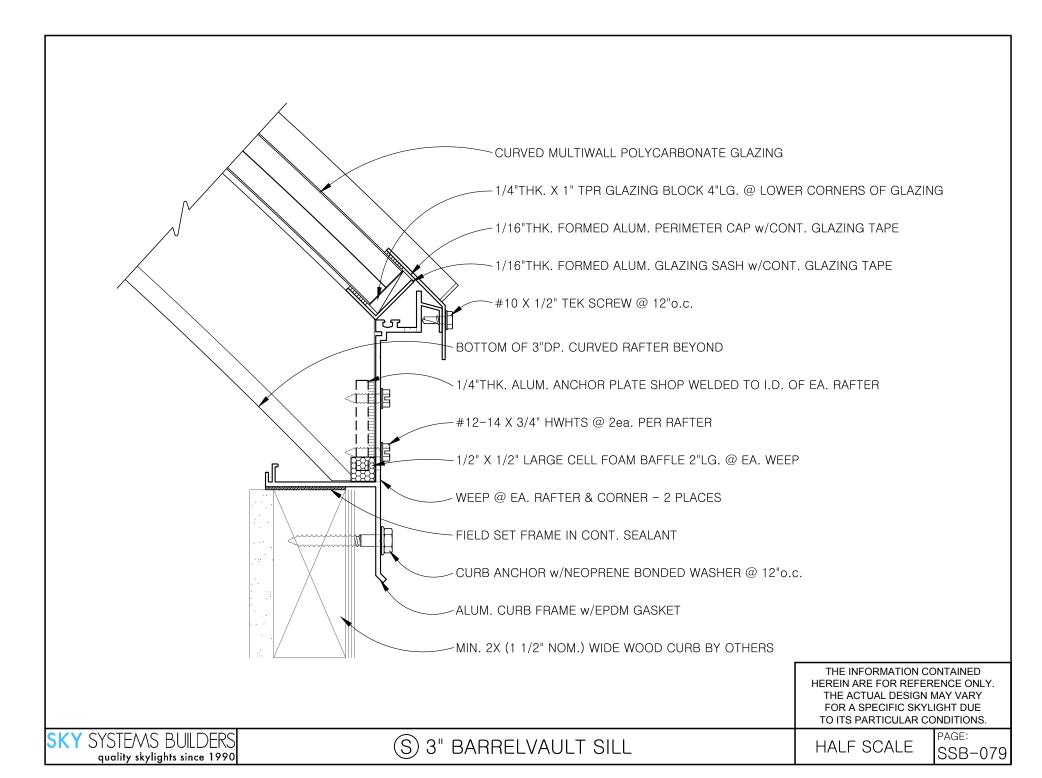


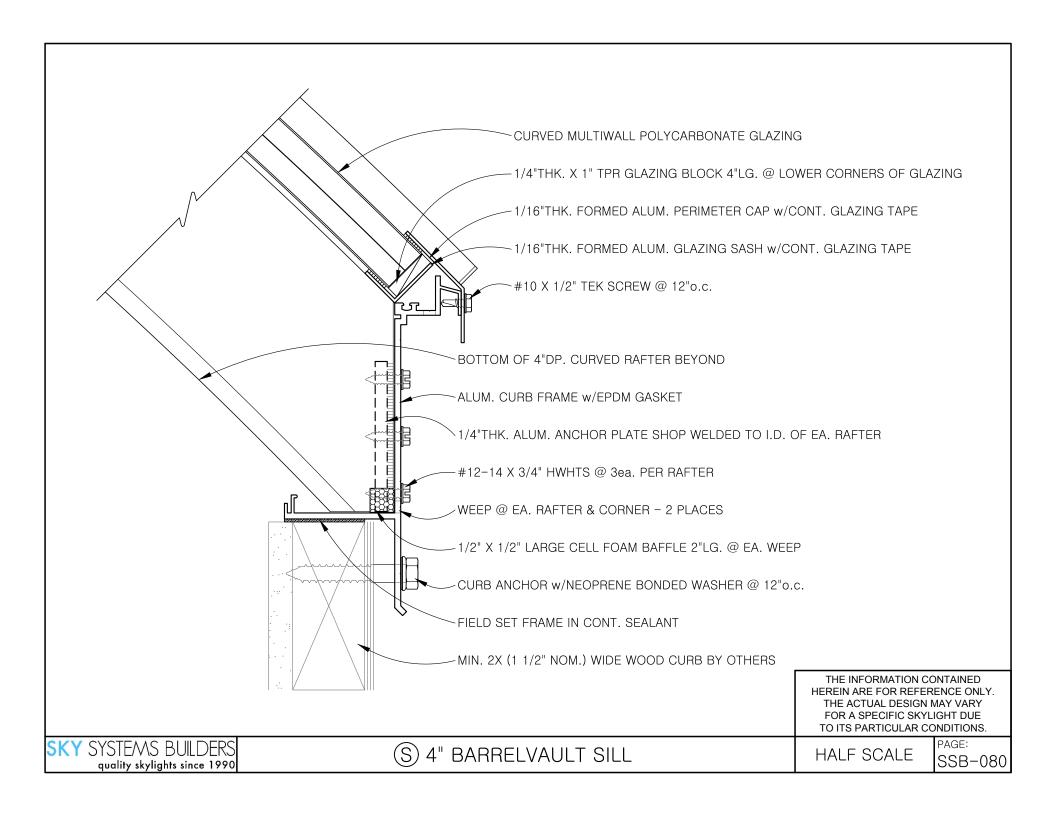


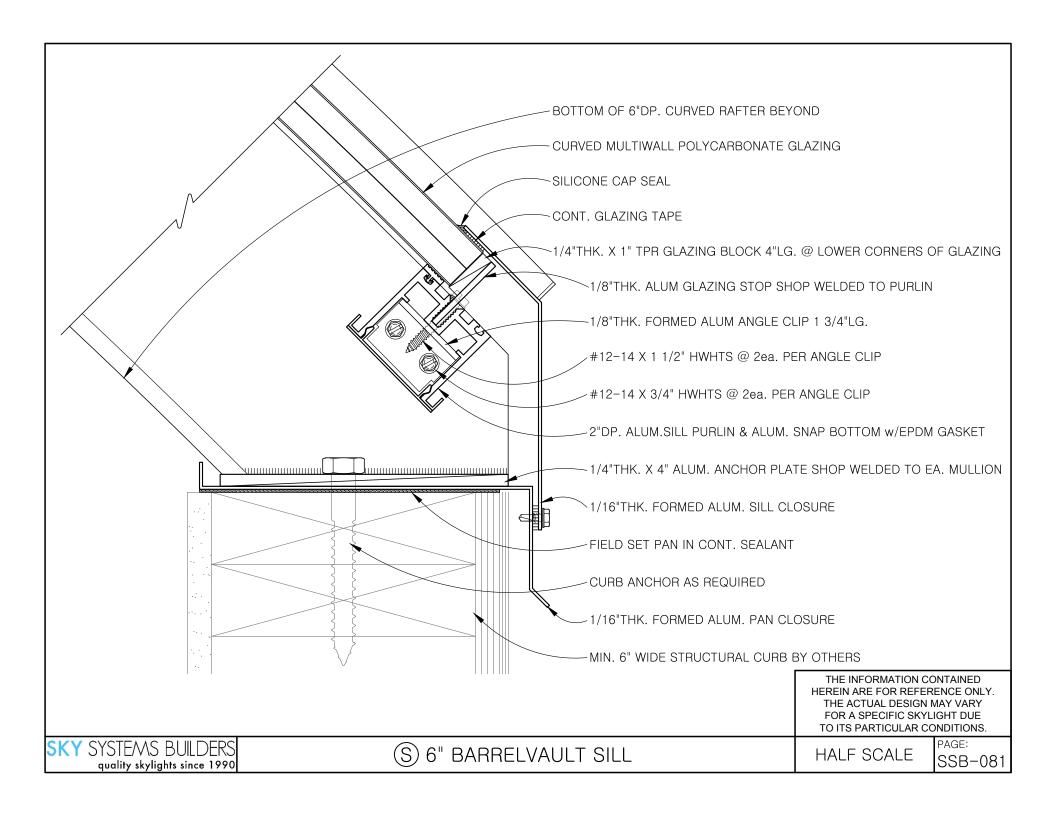


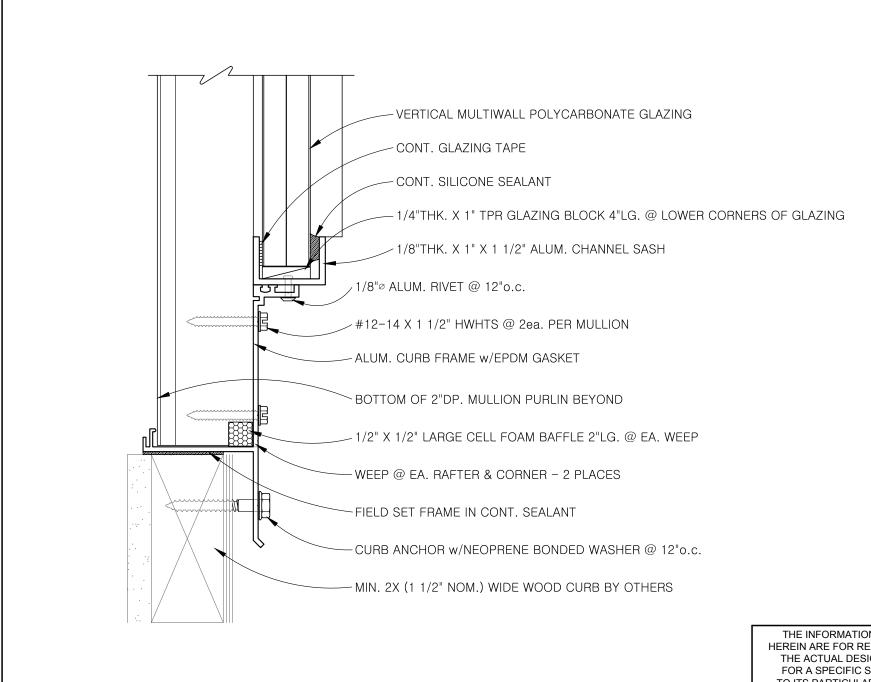












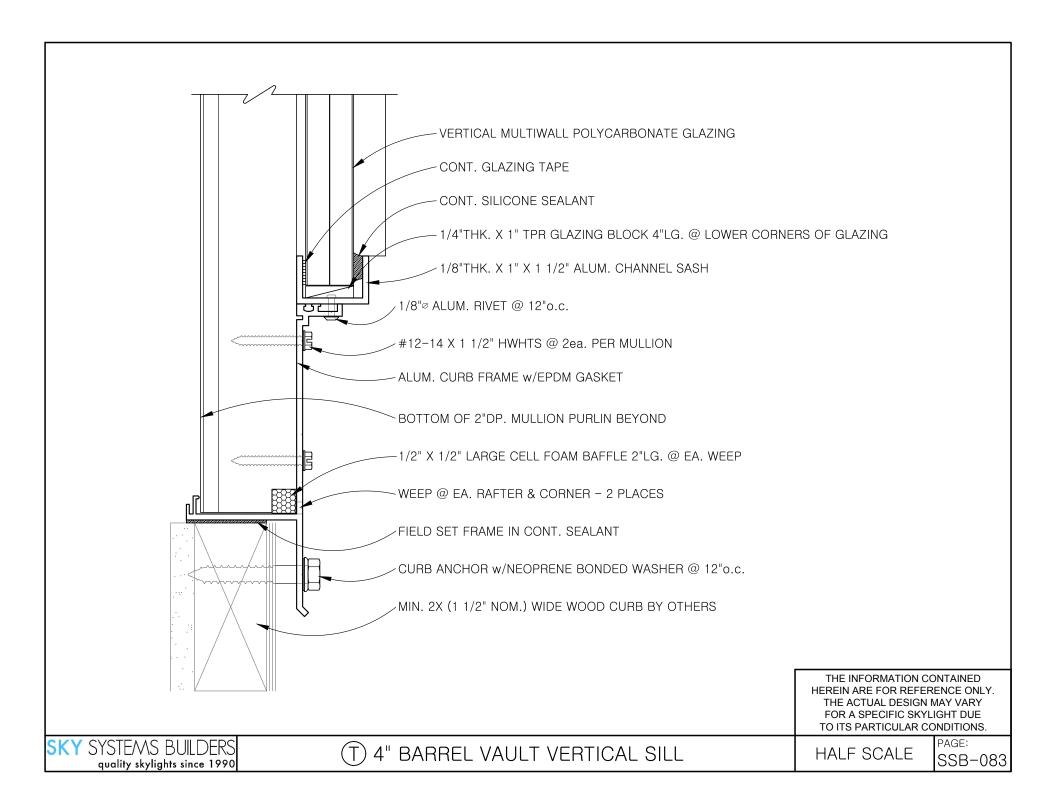
SKY SYSTEMS BUILDERS quality skylights since 1990

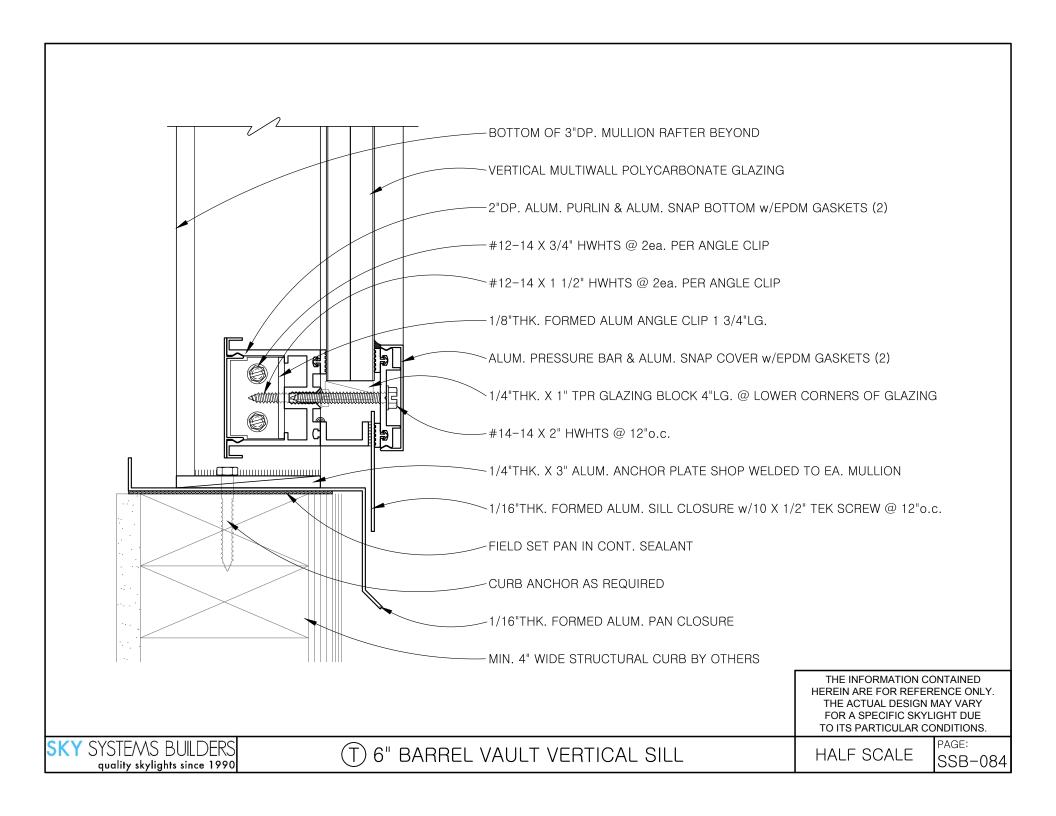
T 3" BARREL VAULT VERTICAL SILL

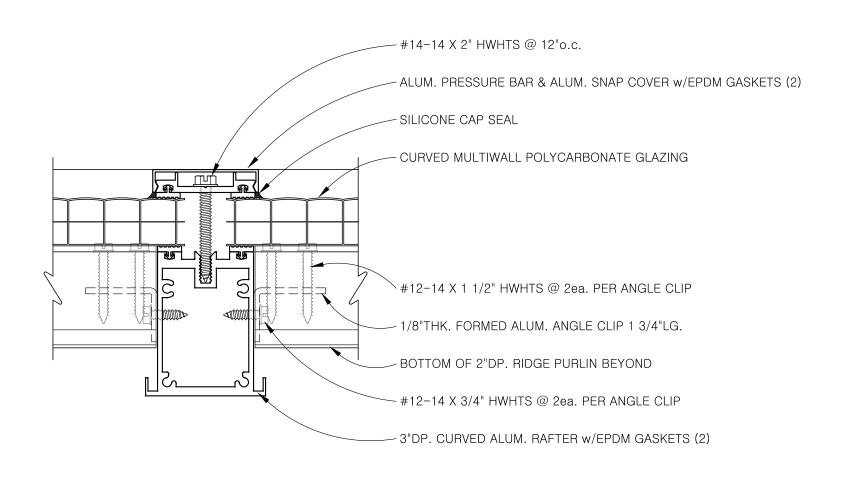
HALF SCALE

SSB-082

PAGE:



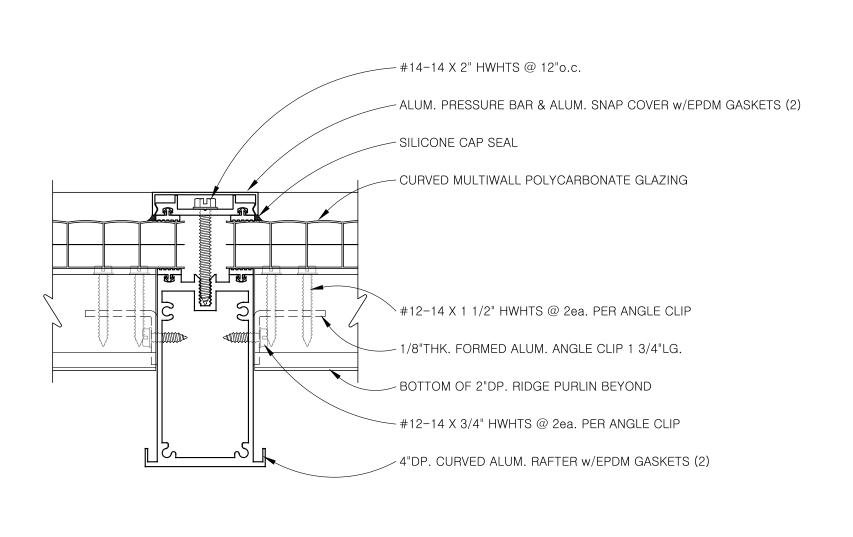




SKY SYSTEMS BUILDERS quality skylights since 1990

(U) 3"DP. BARREL VAULT RAFTER

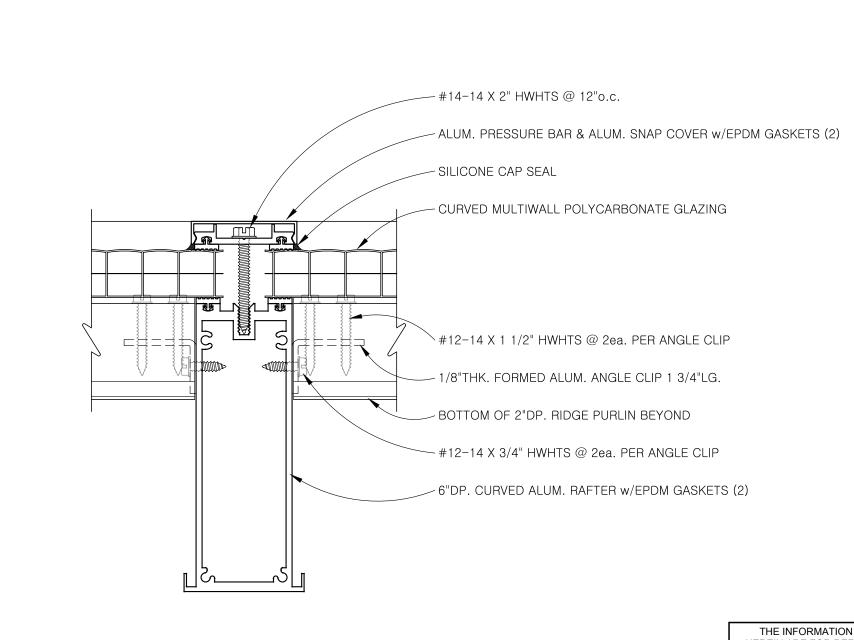
HALF SCALE



SKY SYSTEMS BUILDERS
quality skylights since 1990

U 4"DP. BARREL VAULT RAFTER

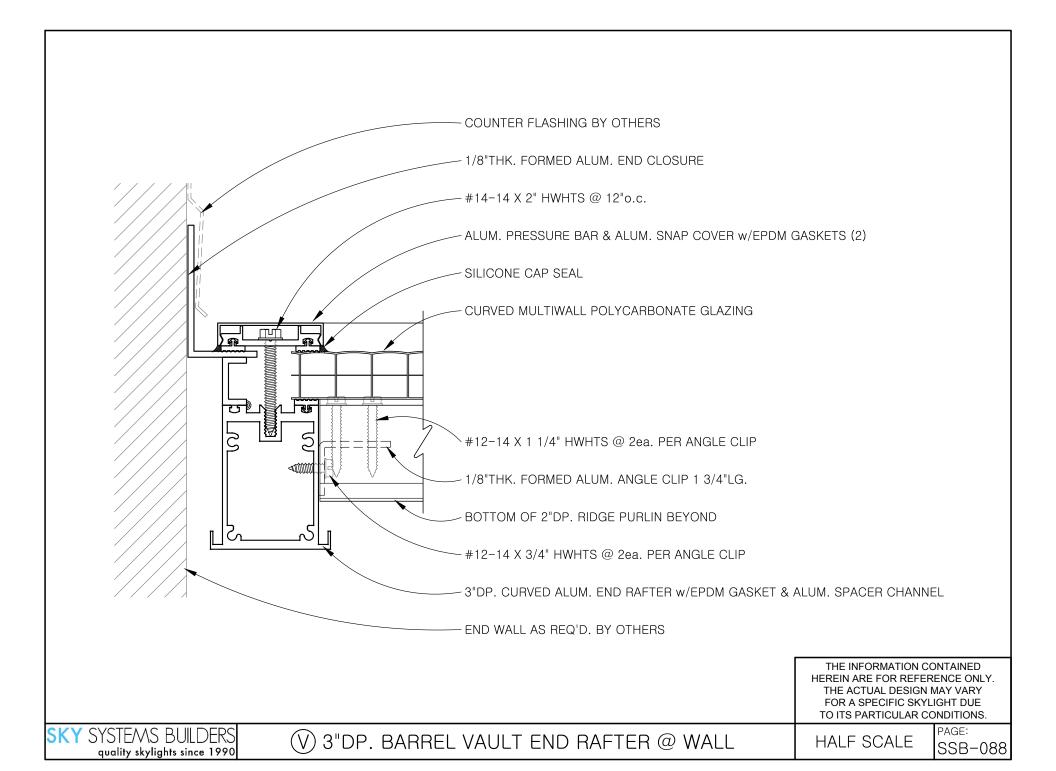
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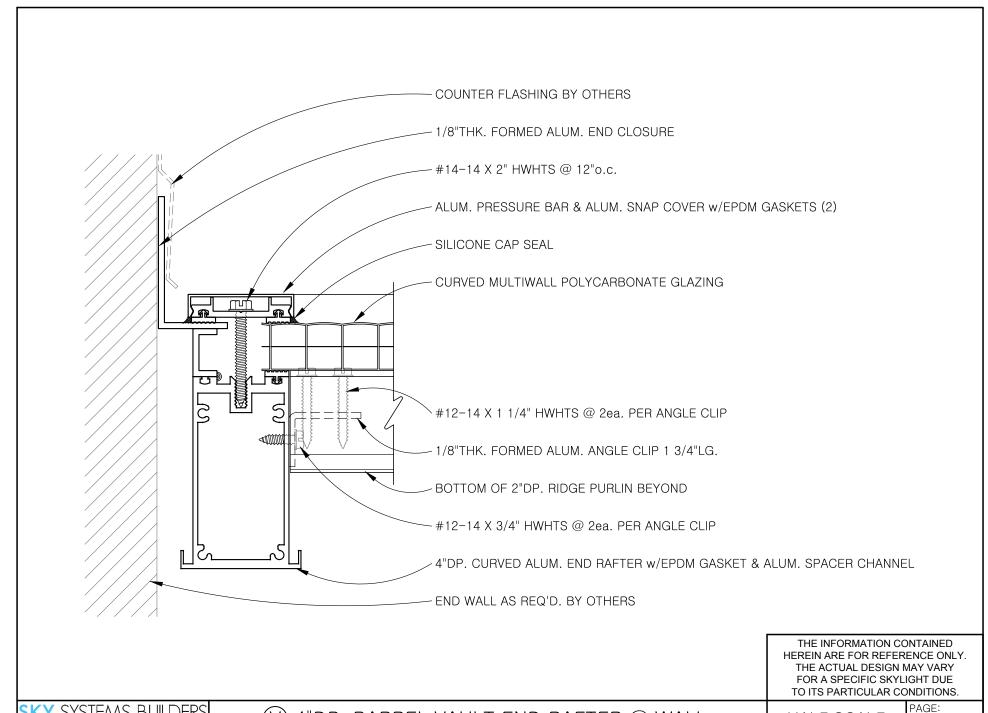


SKY SYSTEMS BUILDERS
quality skylights since 1990

(U) 6"DP. BARREL VAULT RAFTER

HALF SCALE



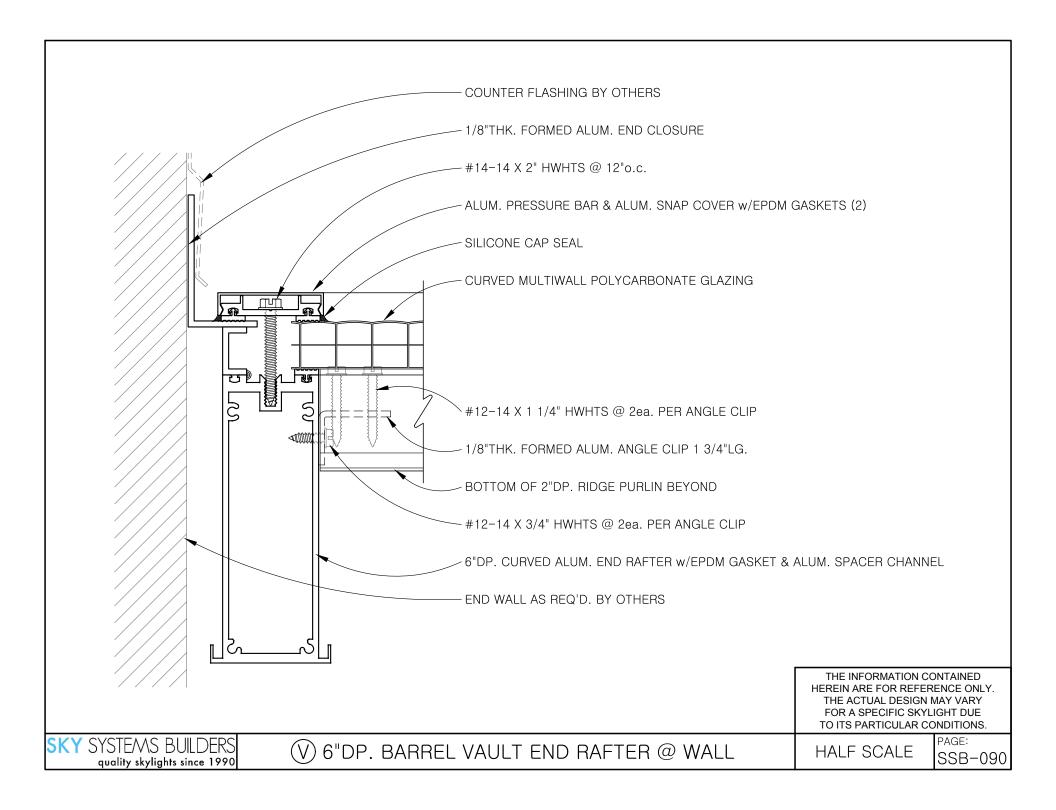


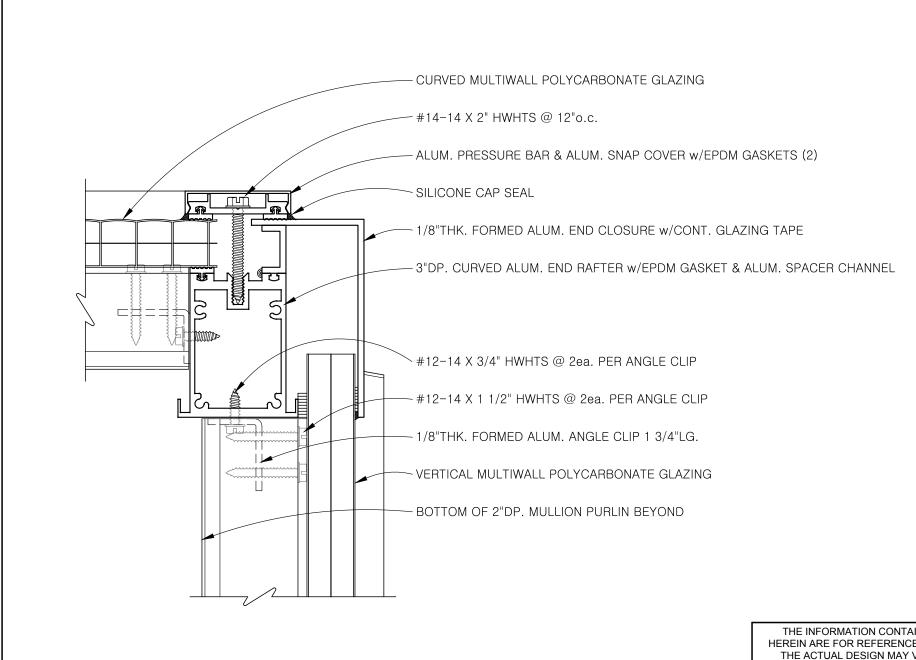
SKY SYSTEMS BUILDERS quality skylights since 1990

√ 4"DP. BARREL VAULT END RAFTER @ WALL

HALF SCALE

SSB-089





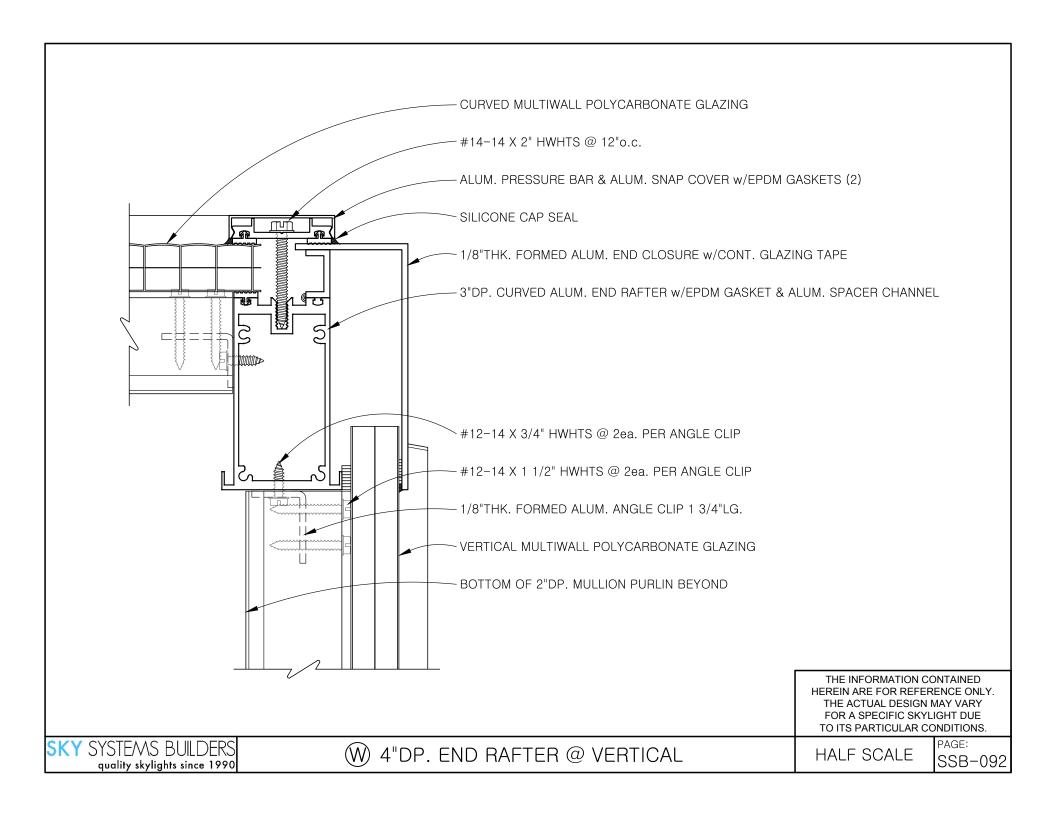
SKY SYSTEMS BUILDERS
quality skylights since 1990

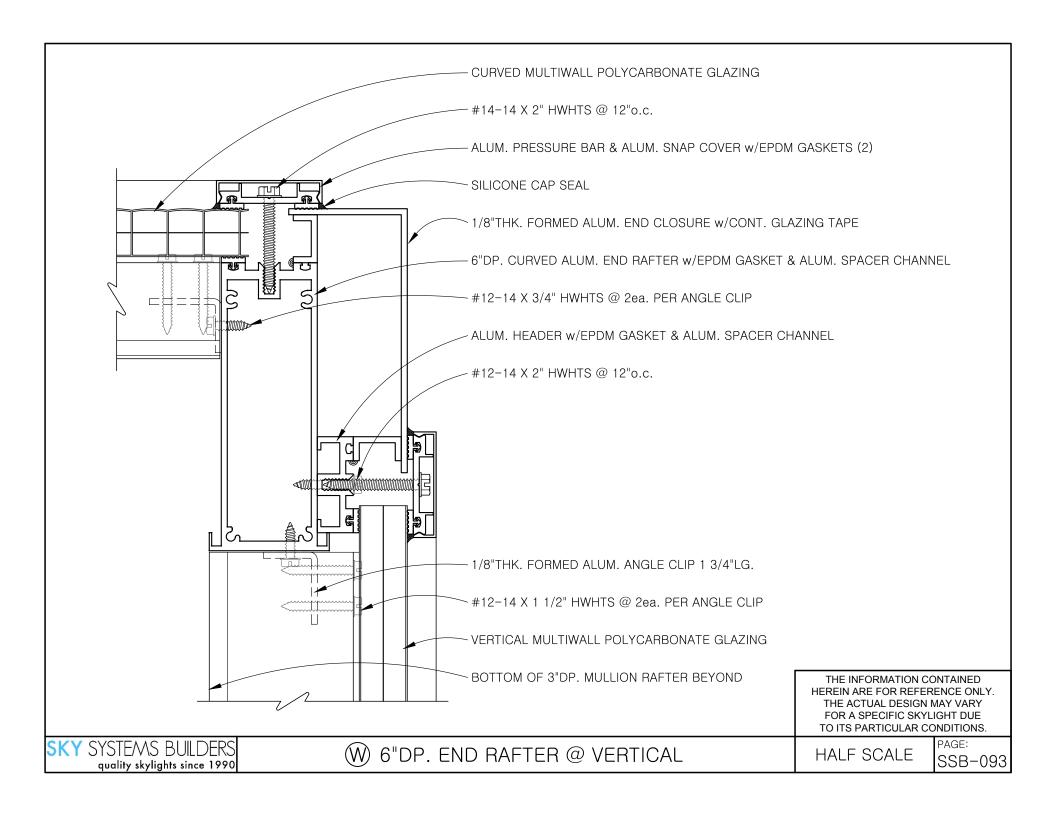
W 3"DP. END RAFTER @ VERTICAL

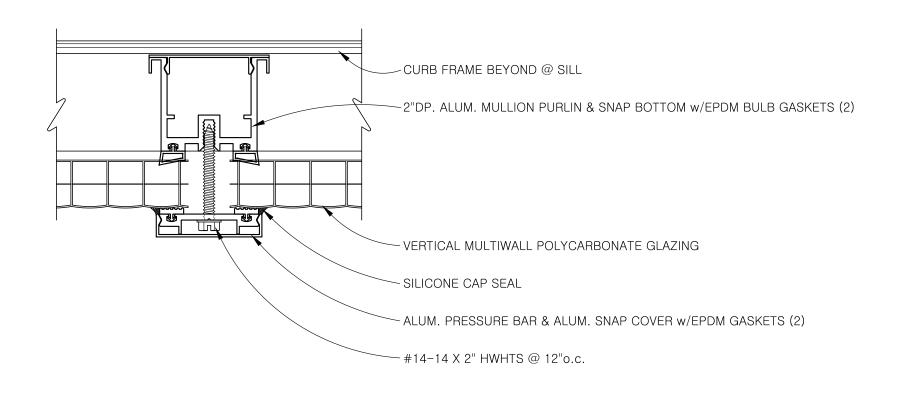
HALF SCALE

SSB-091

PAGE:



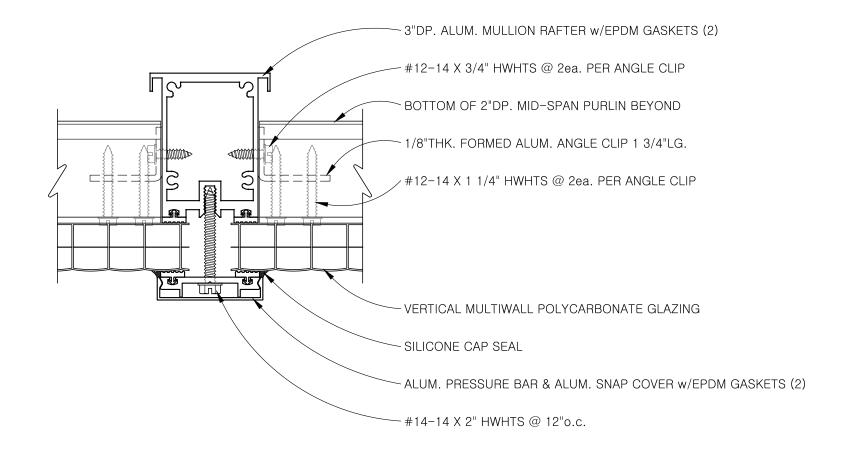




SKY SYSTEMS BUILDERS
quality skylights since 1990

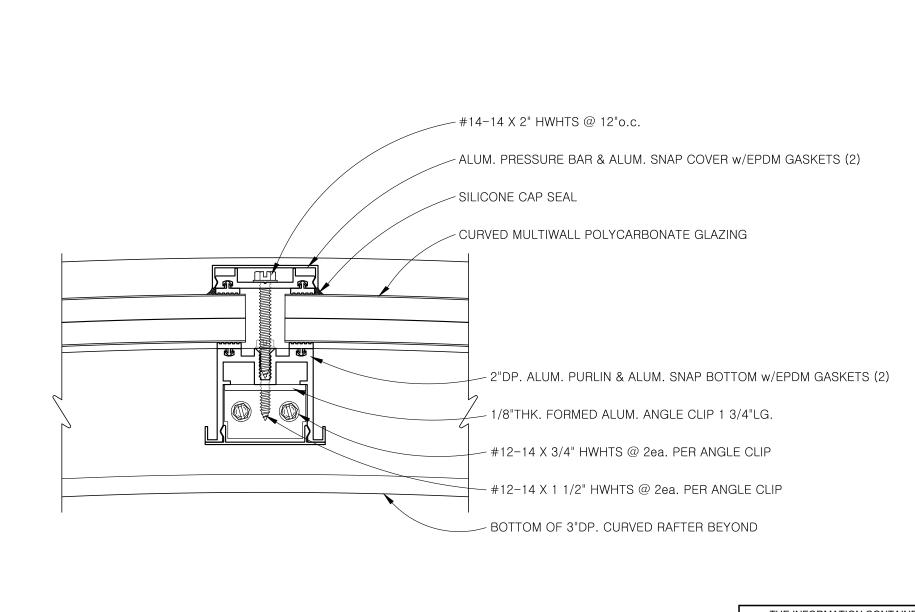
X 2"DP. BARREL VAULT MULLION

HALF SCALE



SKY SYSTEMS BUILDERS quality skylights since 1990

HALF SCALE



SKY SYSTEMS BUILDERS
quality skylights since 1990

(Y) 3"DP. BARREL VAULT RIDGE

HALF SCALE

SSB-096

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