

APPROVAL/REVIEW NOTES:

1.
- ALL DETAILS IN THIS DRAWING SET, INCLUDING BUT NOT LIMITED TO, SIZES, MATERIALS, DIMENSIONS, AND QUANTITIES, ARE SUBJECT TO CHANGE BASED ON FINAL DUO-GARD REVIEW AND APPROVAL. DUO-GARD RESERVES THE RIGHT TO MAKE ANY CHANGES AND/OR DESIGN DECISIONS BASED ON THE INFORMATION PROVIDED ON THIS FORM AT OUR DISCRETION.
2.
- THE DRAWINGS AND INFORMATION CONTAINED IN THIS DRAWING PACKAGE ARE PROPRIETARY AND FOR THE SOLE USE OF OUR CUSTOMER. THEY MAY NOT BE COPIED OR REPRODUCED WITHOUT PRIOR WRITTEN CONSENT FROM DUO-GARD INDUSTRIES, INC.
3.
- UNLESS IT IS NOTED TO THE CONTRARY ON THESE DRAWINGS WHEN RETURNED FROM APPROVAL, IT WILL BE ASSUMED THAT ALL INFORMATION SHOWN HEREIN HAS THE AFFIRMATION OF THE APPROVAL AUTHORITY.
4.
- FABRICATION OF MATERIALS SHOWN IN THESE DRAWINGS WILL NOT PROCEED UNTIL DUO-GARD AND ALL REQUIRED PARTIES HAVE REVIEWED THE DRAWINGS AND APPROVED THEM FOR RELEASE. DUO-GARD RESERVES THE RIGHT TO REJECT DRAWINGS BASED ON MISSING, INCOMPLETE, AND/OR INACCURATE INFORMATION.

GENERAL NOTES:

1.
- DUO-GARD ASSUMES THAT ALL SITE CONDITIONS ARE PER PROVIDED SPECIFICATION DRAWINGS UNLESS NOTED OTHERWISE.
2.
- FIELD MEASUREMENTS, IF REQUIRED, WILL BE TAKEN BY INSTALLING CONTRACTOR AND SUPPLIED TO DUO-GARD ON THIS FORM PRIOR TO FABRICATION OR MATERIALS WILL BE FIELD CUT.
3.
- PERIMETER MOUNTING FRAME AND/OR PURLINS (ALL BY OTHERS) MUST BE VALIDATED (BY OTHERS) TO PROPERLY RESIST THE LOADS IMPOSED BY THE CANOPY GLAZING SYSTEM.

INSTALLATION NOTES:

1.
- INSTALLATION SHALL BE PERFORMED BY DUO-GARD OR BY A FULLY TRAINED INSTALLER AUTHORIZED BY DUO-GARD INDUSTRIES, INC.
2.
- ALL FRAMING WORK SHALL BE TRUE TO LINE, LEVEL, AND PLUMB PRIOR TO INSTALLATION OF GLAZING.
3.
- NO ITEMS MAY ATTACH OR BE SUSPENDED FROM DUO-GARD PRODUCTS.
4.
- UPON COMPLETION OF THE INSTALLATION, THE INSTALLER SHALL REMOVE ALL PACKAGING MATERIALS AND LEAVE WORK AND WORK AREAS CLEAN AND IN SATISFACTORY CONDITION.

PRODUCT SPECIFIC NOTES:

1.
- ALL HARDWARE TO BE EITHER STAINLESS STEEL OR BI-METAL, ALL MILL FINISH, UNLESS NOTED OTHERWISE. SEE TABLES #5 & #6 ON SHEET 3 FOR SPECIFIC SLEEKLINE HARDWARE DETAILS.
2.
- ALL EXPOSED FLASHINGS WILL MATCH THE EXTRUSION COLOR UNLESS NOTED OTHERWISE.
3.
- ALL ALUMINUM FRAMING EXTRUSIONS TO BE 6005-T5 ALLOY AND TEMPER.
4.
- ALL EXPOSED ALUMINUM FRAMING EXTRUSIONS TO BE FINISHED. SOME COMPONENTS, SUCH AS SLEEKLINE INSERTS, WILL BE MILL FINISH.
5.
- A SEPARATOR BETWEEN DUO-GARD GLAZING COMPONENTS AND FRAMING (BY OTHERS) IS NOT INCLUDED AS A STANDARD, BUT MAY BE PROVIDED AT AN ADDITIONAL COST.

ABBREVIATION KEY

TYP. = TYPICAL

O.C. = ON CENTER

CL = CENTERLINE

DIM(S) = DIMENSION(S)

T.B.D. = TO BE DETERMINED

PCSS = POLYCARBONATE STRUCTURED SHEET

U.N.O. = UNLESS NOTED OTHERWISE

REQ'D = REQUIRED



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TABLE #1 - TEST REPORT CERTIFICATION

TEST STANDARD	TEST DESCRIPTION	RESULTS
FLAMMABILITY		
ASTM D1929	IGNITION TEMPERATURE	550°C / 1022°F
ASTM D2843	DENSITY OF SMOKE	57.7%
ASTM D635	BURN EXTENT	CC1
PANEL SYSTEM PERFORMANCE - CONTACT DUO-GARD FOR RESULTS AND QUESTIONS		
ASTM E330	STANDARD TEST METHOD FOR STRUCTURAL PERFORMANCE	
TAS 204-94	STANDARD TEST METHOD FOR STRUCTURAL PERFORMANCE	

TABLE #2 - PROJECT DATA

PROJECT NAME:
LOCATION:
DGI PROJECT #:
REQUESTER:
INSTALLER: DUO-GARD OTHERS

POLYCARBONATE TYPE:
POLYCARBONATE COLOR:
EXTRUSION FINISH:

DESIGN STANDARD:
BUILDING CODE:

WIND LOADS

WIND SPEED (m.p.h.):
EXPOSURE FACTOR:
IMPORTANCE FACTOR:
ROOF LIVE
MIN. ROOF LIVE LOAD (p.s.f.):
ROOF SNOW
GROUND SNOW LOAD (p.s.f.):
IMPORTANCE FACTOR I:
EXPOSURE FACTOR Ce:
TEMPERATURE FACTOR Ct:

SPEC PROVIDED? YES NO
DRAWINGS PROVIDED? YES NO
DRAWINGS:

SHEET SCHEDULE

SHEET 1: TITLE SHEET
SHEET 2: LOADING INFORMATION
SHEET 3: GENERAL INFORMATION
SHEET 4: INSTALLATION GUIDELINES
SHEET 5: OVERALL LAYOUT
SHEET 6: SECTION DETAILS 1
SHEET 7: GLAZING DETAILS 1

APPROVAL STATUS

APPROVED
APPROVED AS NOTED
CORRECT AND RESUBMIT

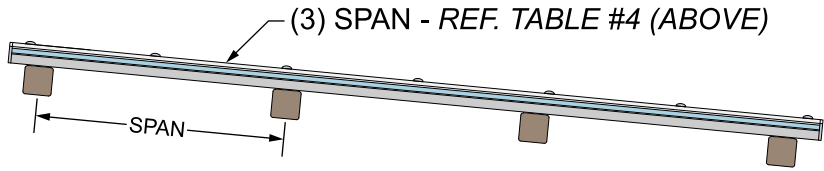
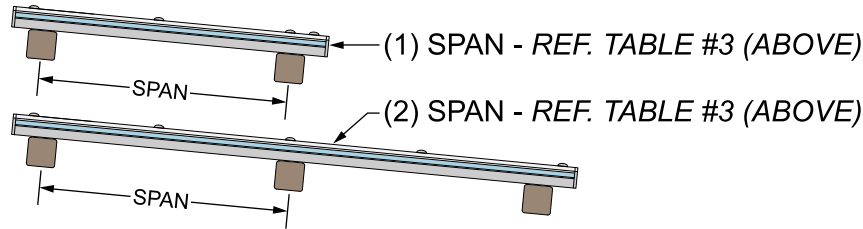
SIGNATURE: _____
SIGNER (PLEASE PRINT): _____
DATE: ____ / ____ / ____

DATE	ENG.	REV. PHASE/NOTES	PROJECT NAME		
REV. 1					
REV. 2					
REV. 3					
REV. 4					
REV. 5					
REV. 6					
			PROJECT NUMBER	DESCRIPTION (SHEET NAME):	REV.
				Title Sheet	
			PRJT. ENG.	DRW'G. DATE	TYPE CANOPY
			CHECKED	CHK. DATE	DETAILS SERIES 3900
			PRJT. MGR.	PRJT. PHASE	DO NOT SCALE DRAWING
			ALL UNITS IN INCHES U.N.O.		
			SHEET 01 OF		

TABLE #3 - "SBC1" PURLIN SPACING (≤ 2 SPAN)						
MAX. PURLIN SPACING IS: _____" O.C.		DOWNWARD DESIGN LOAD (p.s.f.)				
		≤ 60	70	80	100	120
WIND SPEED (m.p.h.)	WIND UPLIFT (p.s.f.)	PURLIN SPACING (inches)				
115	57	24	23	22	20	19
120	62	23	23	22	20	19
125	67	23	23	22	20	19
130	72	22	22	22	20	19
135	78	22	22	22	20	19
140	84	20	20	20	20	19
150	96	20	20	20	20	19
160	109	19	19	19	19	19

TABLE #4 - "SBC1" PURLIN SPACING (3+ SPAN)*						
MAX. PURLIN SPACING IS: _____" O.C.		DOWNWARD DESIGN LOAD (p.s.f.)				
		≤ 60	70	80	100	120
WIND SPEED (m.p.h.)	WIND UPLIFT (p.s.f.)	PURLIN SPACING (inches)				
115	57	30	28	26	23	21
120	62	28	28	26	23	21
125	67	28	28	26	23	21
130	72	26	26	26	23	21
135	78	26	26	26	23	21
140	84	23	23	23	23	21
150	96	23	23	23	23	21
160	109	21	21	21	21	21

*NOTE: VALUES LISTED ABOVE ARE FOR (3) SPANS OR MORE



DESIGN CRITERIA - SEE TABLES #3 & #4 (ABOVE)

- DESIGN STANDARD: ASCE 7-10 ALLOWABLE STRESS DESIGN
- ALL ALUMINUM FRAMING IS 6005-T5 OR EQUIVALENT (NON WELDED)
- MULLION BEND STRESS IS LIMITED TO 21 ksi, DEFLECTION IS LIMITED TO L/120 OR 1"
- FOR DOWNWARD DESIGN LOADS, USE APPROPRIATE LOAD COMBINATIONS TO DETERMINE WORST CASE
- DESIGN WIND LOAD CRITERIA (COMPONENTS AND CLADDING)
 - EXPOSURE C
 - OPEN STRUCTURE
 - ELEVATION Z < 25'
 - MONOSLOPED ROOF, ROOF ANGLE ASSUMED 9.46° (2:12 PITCH)
- DATA IN TABLES ABOVE APPROPRIATE FOR A MAXIMUM OF 2:12 (9.46°) AND A MINIMUM OF 1/2:12 (2.46°)
- UPLIFT PRESSURES AND DOWNWARD LOADS ARE AT SERVICE LEVEL
- MULLION IS CONNECTED TO SUPPORTING STRUCTURE WITH (2) #12 TEK SCREWS AT EACH SUPPORT (MIN. SUPPORT MEMBER WALL THICKNESS = 1/8" STEEL/ALUM.)
- ALL SBC-1 MULLIONS ARE SPACED AT MAXIMUM 2 FT. ON CENTER

THE APPROPRIATE COMBINATION OF DATA FROM ALL TABLES SHOWN ON THIS PAGE WILL ULTIMATELY DETERMINE WHAT STRUCTURE IS REQUIRED TO PROPERLY SUPPORT THE SLEEKLINE SYSTEM. **CONTACT DUO-GARD TO DISCUSS PROJECT SPECIFIC DETAILS.** SEE AREA BELOW FOR PROJECT SPECIFIC COMMENTS.

ADDITIONAL PROJECT SPECIFIC COMMENTS:

TABLE #5 - ALLOWABLE PANEL LOADS F.O.S. = FACTOR OF SAFETY			
1/4" POLYCARBONATE F.O.S. = 2.0		1/4" POLYCARBONATE F.O.S. = 1.5	
DOWNWARD LOAD		DOWNWARD LOAD	
TEST FAIL LOAD (p.s.f.)	210	TEST FAIL LOAD (p.s.f.)	210
ALLOWABLE LOAD (p.s.f.)	105	ALLOWABLE LOAD (p.s.f.)	140
UPLIFT LOAD		UPLIFT LOAD	
TEST FAIL LOAD (p.s.f.)	170	TEST FAIL LOAD (p.s.f.)	170
ALLOWABLE LOAD (p.s.f.)	85	ALLOWABLE LOAD (p.s.f.)	113
3/8" POLYCARBONATE F.O.S. = 2.0		3/8" POLYCARBONATE F.O.S. = 1.5	
DOWNWARD LOAD		DOWNWARD LOAD	
TEST FAIL LOAD (p.s.f.)	390	TEST FAIL LOAD (p.s.f.)	390
ALLOWABLE LOAD (p.s.f.)	195	ALLOWABLE LOAD (p.s.f.)	260
UPLIFT LOAD		UPLIFT LOAD	
TEST FAIL LOAD (p.s.f.)	200	TEST FAIL LOAD (p.s.f.)	200
ALLOWABLE LOAD (p.s.f.)	100	ALLOWABLE LOAD (p.s.f.)	133
**PROJECT REQUIRES A MIN. _____" THICK PANEL WITH A F.O.S. OF _____			

**NOTE: PANEL THICKNESS MAY BE ADJUSTED BASED ON PROJECT SPECIFIC CRITERIA

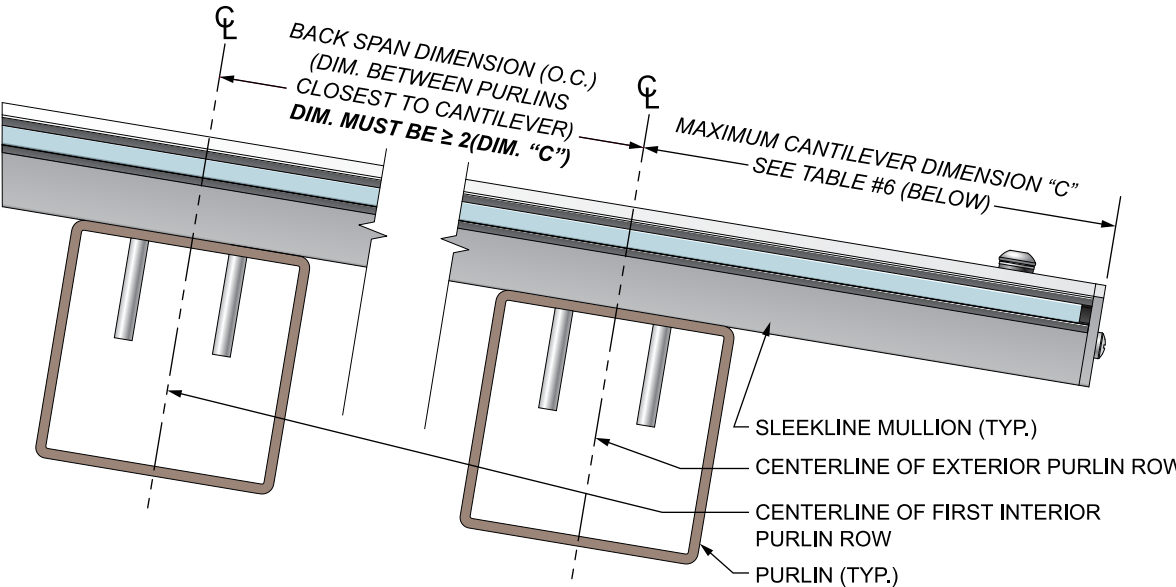


TABLE #6 - ALLOWABLE SYSTEM CANTILEVER		
DESIGN LOAD RANGE	MAX. DIM. "C"	MIN. BACK SPAN DIM. @ MAX. DIM. "C"
< 80 p.s.f.	12"	24" O.C.
80 p.s.f. ≤ x ≤ 120 p.s.f.	9"	18" O.C.
***MAXIMUM SYSTEM CANTILEVER (DIM. "C") FOR THIS PROJECT IS _____		

***NOTE: REFER TO TABLE #9 FOR SPECIFIC LOCATIONS OF ALL CANTILEVER DIMENSIONS FOR THIS PROJECT



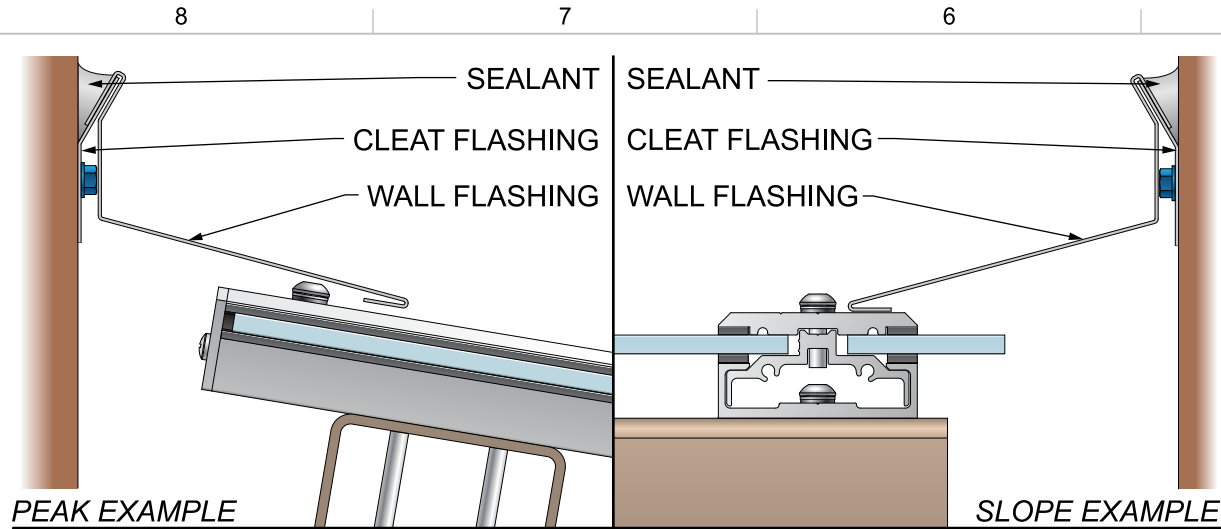
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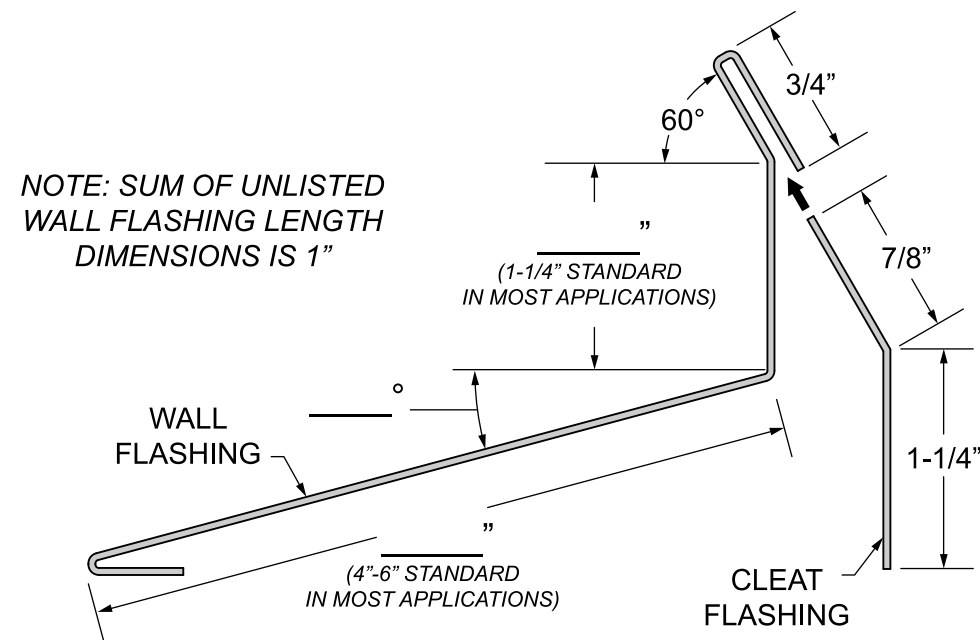
REV.	DATE	ENG.	REV. PHASE/NOTES	PROJECT NAME		
REV. 1				PROJECT NUMBER: _____ DESCRIPTION (SHEET NAME): _____ REV. _____ Loading Information PRJT. ENG. DRW'G. DATE TYPE CANOPY DO NOT SCALE DRAWING CHECKED CHK. DATE DETAILS SERIES 3900 ALL UNITS IN INCHES U.N.O. PRJT. MGR. PRJT. PHASE SHEET 02 OF		
REV. 2						
REV. 3						
REV. 4						
REV. 5						
REV. 6						

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A STANDARD WALL FLASHING PROFILES
3 REF. P/5 FOR PEAK AND S-S/5 FOR SLOPE



B STANDARD WALL FLASHING PROFILES
3 REF. E1/5 - E6/5 & C/2

FLASHING NOTES - REF. DETAIL A/3

1. STANDARD WALL (AND CLEAT) FLASHING MAY BE REQUIRED FOR SOME PROJECTS DEPENDING ON JOB SPECIFIC CRITERIA.
2. REFERENCE ALL COLUMNS LABELED "F" IN TABLE #9 (SHEET 5) FOR ALL AREAS THAT REQUIRE FLASHING.
3. CONTINUOUS SEALANT MUST BE APPLIED BY THE INSTALLER ALONG MOUNTING SURFACE.
4. REFERENCE DETAIL A/3 (LEFT) FOR EXAMPLES OF TYPICAL INSTALLATION.

1. FILL IN ALL DIMENSIONS SHOWN IN DETAIL B/3
2. IF SUM OF DIMENSIONS FOR EITHER FLASHING EXCEEDS 12", ADDITIONAL FEES MAY APPLY.
3. FLASHING TO BE .040" THICK, 3003 ALLOY, FINISHED TO MATCH.
4. FLASHING TO BE SENT IN 120" STOCK LENGTHS. FLASHING TO BE FIELD CUT FOR EXACT FIT BY THE INSTALLER.
5. DUO-GARD IS NOT RESPONSIBLE FOR VALIDATING SIZES OF FLASHING PROVIDED ON THIS DRAWING.

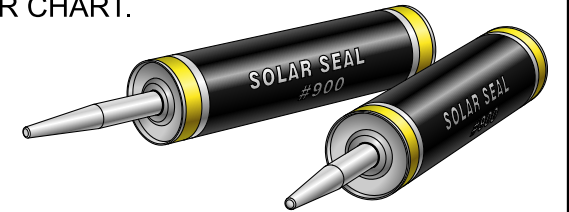
A TOTAL NUMBER OF _____ STOCK LENGTH PIECES OF WALL & CLEAT FLASHING ARE REQ'D FOR THIS PROJECT

SELECT THE REQUIRED MOUNTING FASTENER BELOW:

APPROVED BY DUO-GARD: _____
REJECTED/RESUBMIT: _____
EXPLANATION IF REJECTED BY DGI: _____

SEALANT DETAILS - REF. DETAIL A/3

INSTALLER MUST USE NPC SOLAR SEAL #900 ADHESIVE/SEALANT IN ALL APPLICATIONS UNLESS PROVIDED WRITTEN PERMISSION TO DO OTHERWISE BY DUO-GARD INDUSTRIES. COLOR TO MATCH ALUM. EXTRUSIONS WILL BE SELECTED BY DUO-GARD FROM STANDARD COLOR CHART.



SEALANT COLOR: _____
(TO MATCH EXTRUSIONS)

SEPARATOR & SHIM DETAILS

SEPARTORS

A SEPARATOR BETWEEN THE DUO-GARD SYSTEM AND FRAMING/STRUCTURE (BY OTHERS) IS TYPICALLY NOT REQUIRED BY DUO-GARD, BUT MAY BE ADDED BASED ON PROJECT SPECIFIC CRITERIA. IN THE EVENT THAT THE SEPARATOR IS ADDED, 50' ROLL(S) OF BLACK NEOPRENE MATERIAL (2-1/2" WIDE) WILL BE SENT WITH THE PROJECT AND WILL REQUIRE FIELD APPLICATION BY THE INSTALLER.

IF SEPARATION BETWEEN BASE CHANNEL AND STRUCTURE IS REQUIRED, SELECT THIS BOX →

SHIMS

SHIMS MAY BE REQUIRED IN SOME AREAS WHERE FRAMING DOES NOT PROVIDE A CONSISTENT MOUNTING SURFACE.

DUO-GARD TO SELECT THIS BOX IF SHIMS ARE REQ'D AND PROVIDED BY DUO-GARD →



NOTE: SHIM DETAILS MAY VARY PER PROJECT



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REV.	DATE	ENG.	REV. PHASE/NOTES	PROJECT NAME		
REV. 1				PROJECT NUMBER	DESCRIPTION (SHEET NAME):	REV.
REV. 2						
REV. 3						
REV. 4						
REV. 5						
REV. 6						
				PRJT. ENG.	DRW'G. DATE	TYPE CANOPY
				CHECKED	CHK. DATE	DETAILS SERIES 2500
				PRJT. MGR.	PRJT. PHASE	DO NOT SCALE DRAWING
				ALL UNITS IN INCHES U.N.O.		
				SHEET 03 OF		

RECOMMENDED TOOLS FOR INSTALLATION:

1. POWER MITER SAW
 - NEGATIVE 6 DEGREE CARBIDE TIP NON-FERROUS METAL CUTTING BLADE FOR ALUMINUM CHANNEL CUTTING
2. DRILL MOTOR
 - 3/8" DRILL BIT FOR WEEP HOLES
 - 1/4" DRILL BIT FOR MOUNTING HOLES
3. SCREW GUN
 - 5/16" HEX BIT
 - 1/4" BIT FOR LAG SCREWS IF REQUIRED
 - T25 TORX BIT FOR TORX SCREWS
4. CIRCULAR SAW (MIN 7-1/4")
 - FINE TOOTH PLYWOOD CUTTING BLADE FOR POLYCARBONATE PANELS
5. CAULK GUN
6. AIR COMPRESSOR WITH BLOW GUN
7. UTILITY KNIFE
8. SEALANT BY SOLAR SEAL®

SHIM MATERIAL:

- ALUMINUM
- EPDM OR HEAVY DUROMETER RUBBER
- PLASTIC
- WOOD (ONLY IF PERMITTED BY CODE)

IF ANY QUESTIONS OCCUR DURING THE REVIEW OF THESE INSTALLATION DOCUMENTS, OR DURING CONSTRUCTION, NOTIFY DUO-GARD IMMEDIATELY.

DO NOT DEVIATE FROM INSTALLATION DOCUMENTS

MATERIAL DELIVERY, UNLOADING, AND STORAGE:

- MATERIAL IS TYPICALLY DELIVERED IN CUSTOM BUILT OPEN FRAMED WOOD CRATES. LENGTH WILL VARY BUT TYPICAL CRATE IS 12' TO 20' LONG
- A FORKLIFT IS RECOMMENDED FOR UNLOADING/OFF LOADING
- ALUMINUM SHOULD BE STORED IN A SECURE LOCATION
- POLYCARBONATE SHALL BE TARPED TO PROTECT FROM CONSTRUCTION DEBRIS AND DUST
- DO NOT STORE POLYCARBONATE IN DIRECT HEAT OR SUNLIGHT
- REMOVE PLASTIC FILM FROM POLYCARBONATE SURFACES PRIOR TO INSTALLATION
- VERIFY UV RATED SIDE OF POLYCARBONATE FACES OUT TOWARD THE SUN

TIPS:

- AFTER DRILLING, REMOVE SHAVINGS FROM BASE CHANNEL
- STAGGER OR OVERLAP LENGTHS (BASE, CAP) TO AVOID STACKING ON JOINTS
- DO NOT CAULK OVER OR BLOCK WEEP HOLES

STEEL STRUCTURE PREP:

- IF BUILDING STRUCTURE IS COMPOSED OF STEEL 1/4" THICK OR GREATER, INSTALLER MUST PRE-DRILL W/#11 DRILL BIT FOR ALL FASTENER LOCATIONS.
TIP: UTILIZE PRE-PUNCHED HOLES IN ALUMINUM EXTRUSION AS A GUIDE.

REUSE:

- SALVAGE ALL CUT OFF ALUMINUM EXTRUSION LENGTHS (BASE CHANNEL, CAP, ETC.) FOR POSSIBLE INSTALLATION ELSEWHERE

NORMAL MAINTENANCE:

- DO NOT USE AMMONIA BASED CLEANING PRODUCTS ON ANY POLYCARBONATE SURFACE
- WASH WITH A MILD SOAP OR DETERGENT
- USE A SPONGE OR SOFT CLOTH
- RINSE WITH CLEAN WATER

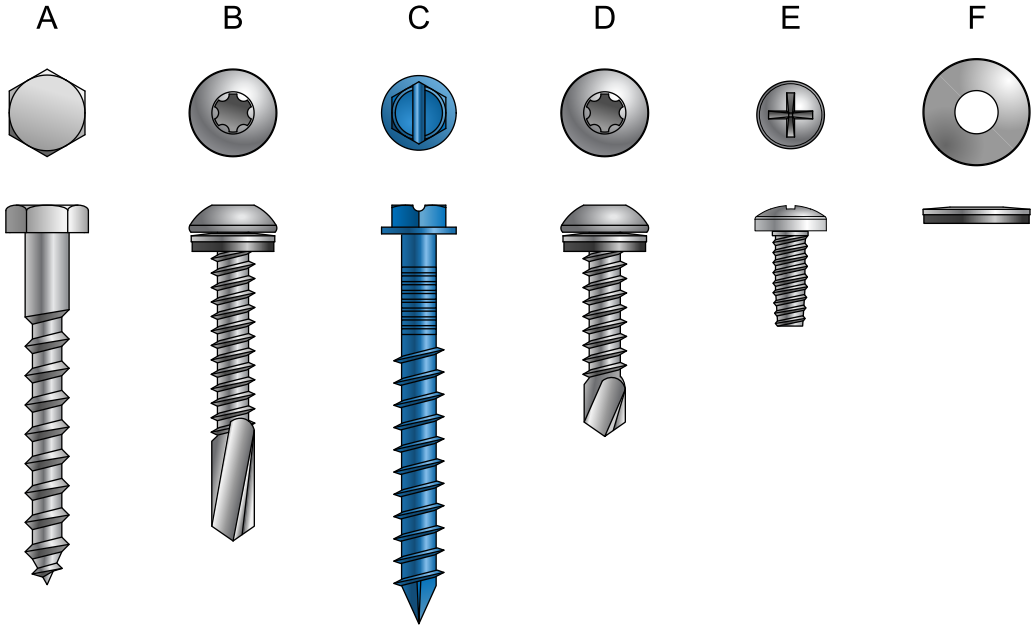


TABLE #7 - SERIES 3900 STANDARD HARDWARE DETAILS

ITEM #	DESCRIPTION	FINISH	SUBSTRATE MATERIAL
A	1/4" x 2" LAG SCREW (S/S)	MILL	WOOD
B	#12 x 1-1/2" TORX TEK 5 SCREW WITH NEO. WASHER (BI-METAL)	MILL	METAL
C	1/4" x 2-1/4" HWH TAPCON SCREW	BLUE	CONCRETE/C.M.U. GROUT FILLED
D	#12 x 1" TORX TEK 3 SCREW WITH NEOPRENE WASHER (BI-METAL)	MILL	ALUMINUM
E	#10 x 1/2" PAN HEAD SCREW (S/S)	MILL	
F	1/4" I.D. NEOPRENE WASHER (S/S)	MILL	

TABLE #8 - HARDWARE APPLICATION DETAILS

ITEM #	STANDARD APPLICATION FOR HARDWARE
A	ATTACHES BASE CHANNEL TO WOOD SUBSTRATE
B	ATTACHES BASE CHANNEL TO METAL SUBSTRATE
C	ATTACHES FLASHING TO CONCRETE/C.M.U.* SUBSTRATE
D	ATTACHES PRESSURE CAP TO INSERT
E	ATTACHES 1/8" ALUM. END CAP TO INSERT
F	REQUIRED FOR ALL BASE CHANNEL MOUNTING FASTENERS. TORX SCREWS HAVE PRE-INSTALLED WASHERS

*NOTE: C.M.U. MUST BE GROUT FILLED



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REV.	DATE	ENG.	REV. PHASE/NOTES	PROJECT NAME
REV. 1				
REV. 2				
REV. 3				
REV. 4				
REV. 5				
REV. 6				

PROJECT NUMBER	DESCRIPTION (SHEET NAME):	REV.
	Installation Guidelines	
PRJT. ENG.	DRW'G. DATE	TYPE CANOPY
CHECKED	CHK. DATE	DETAILS SERIES 3900
PRJT. MGR.	PRJT. PHASE	
		DO NOT SCALE DRAWING
		ALL UNITS IN INCHES U.N.O.
		SHEET 04 OF

TABLE #9 - GLAZING SCHEDULE

UNIT	QTY.	ARCH. REF. DETAIL	PITCH (# :12)	STRUCTURE MAX. WIDTH (DIM. "W")	STRUCTURE MAX. LENGTH (DIM. "L")	MAX. PURLIN SPACING (O.C.) (DIM. "S")	# OF PURLIN ROWS	PURLIN DESCRIPTION SEE PURLIN GUIDE (BELOW/LEFT)	PURLIN MATERIAL	SECTION DETAILS - SEE NOTE BELOW											
										SIDE "A"			SIDE "B"			SIDE "C"			SIDE "D"		
										DETAIL	DIM. "C"		DETAIL	DIM. "O"	"F"	DETAIL	DIM. "O"	"F"	DETAIL	DIM. "C"	"F"
1								X X -		E/6			S/6			S/6			P/6		
2								X X -		E/6			S/6			S/6			P/6		
3								X X -		E/6			S/6			S/6			P/6		
4								X X -		E/6			S/6			S/6			P/6		
5								X X -		E/6			S/6			S/6			P/6		
6								X X -		E/6			S/6			S/6			P/6		
7								X X -		E/6			S/6			S/6			P/6		
8								X X -		E/6			S/6			S/6			P/6		
9								X X -		E/6			S/6			S/6			P/6		
10								X X -		E/6			S/6			S/6			P/6		

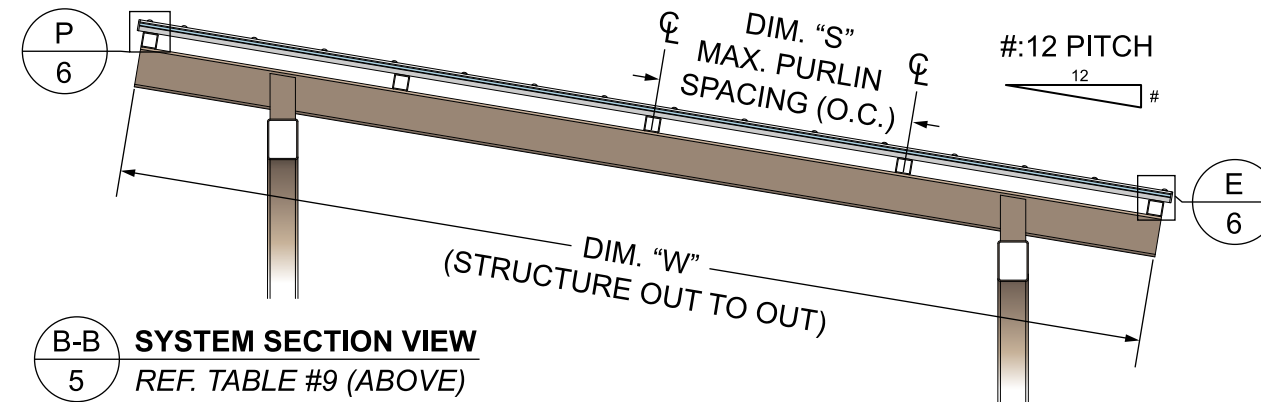
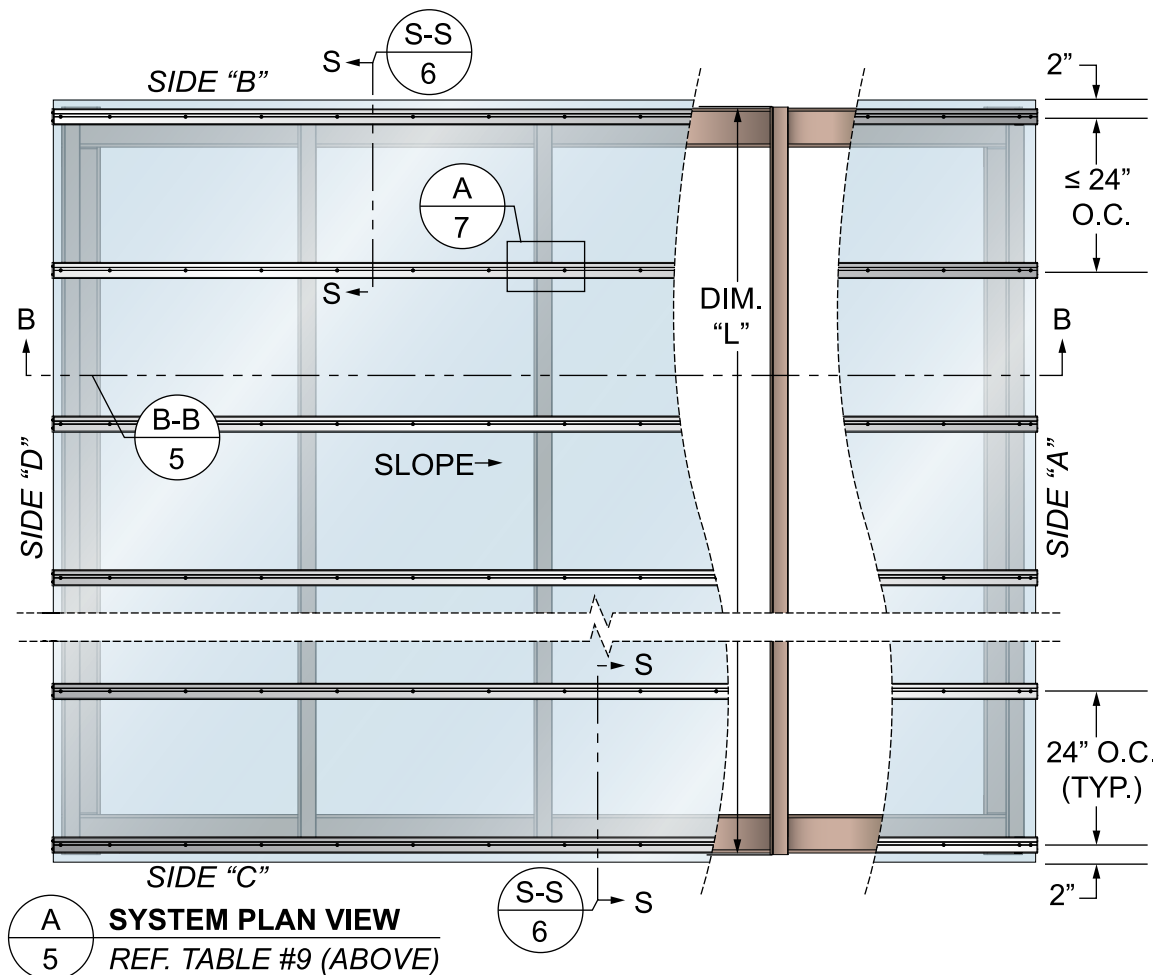
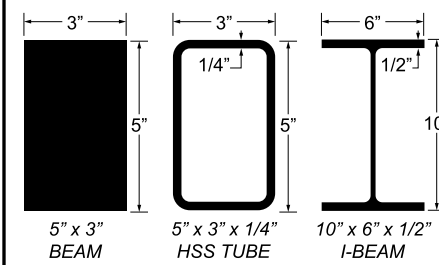
PURLIN GUIDE

INPUT THE DIMENSIONS FOR THE PURLIN DESCRIPTION (TABLE #9 ABOVE) USING THE FOLLOWING FORMAT:

V x H x T - DESCRIPTION

V= VERTICAL DIMENSION
H= HORIZONTAL DIMENSION
T = THICKNESS - AT SURFACE OF PURLIN ATTACHMENT, IF APPLICABLE

SEE EXAMPLES BELOW:



DIMENSION GUIDE - REF. TABLE #9 ABOVE

DIM. "W" - THE OUTERMOST DIMENSION (PARALLEL TO THE SLOPE) OF THE STRUCTURE THAT THE BASE CHANNEL ATTACHES TO (TYPICALLY THE EXTERIOR FACES OF THE PURLINS).

DIM. "L" - THE OUTERMOST DIMENSION OF THE STRUCTURE (PERPENDICULAR TO THE SLOPE) THAT THE BASE CHANNEL ATTACHES TO. (TYPICALLY THE OVERALL LENGTH OF THE PURLIN ROW WITH ANY EXTERIOR FASCIA MEMBERS IF PRESENT).

DIM. "S" - THE LARGEST O.C. DISTANCE BETWEEN PURLIN ROWS (CL TO CL).

DIM. "C" - THE CANTILEVER DIMENSION FROM THE CENTERLINE OF THE PURLIN TO THE EXTERIOR FACE OF THE END CAP. WRITE "NA" IN COLUMN IF END CAP IS FLUSH WITH PURLIN.

DIM. "O" - THE OFFSET DIMENSION FROM THE CENTERLINE OF THE EXTERIOR MULLION TO THE EXTERIOR FACE OF THE PURLIN. 1-1/4" (MIN.) IS REQUIRED FOR MULLION SUPPORT.




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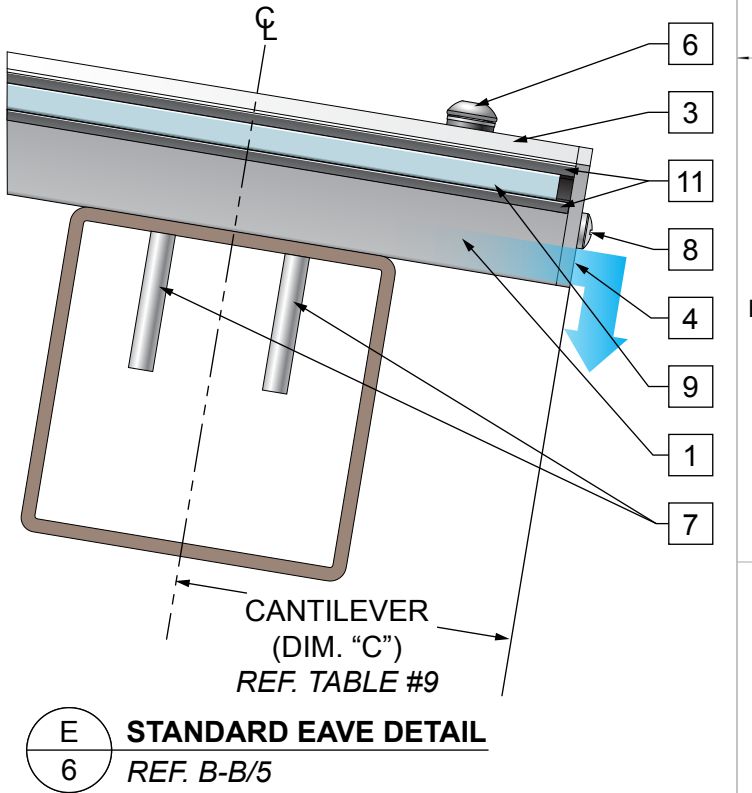
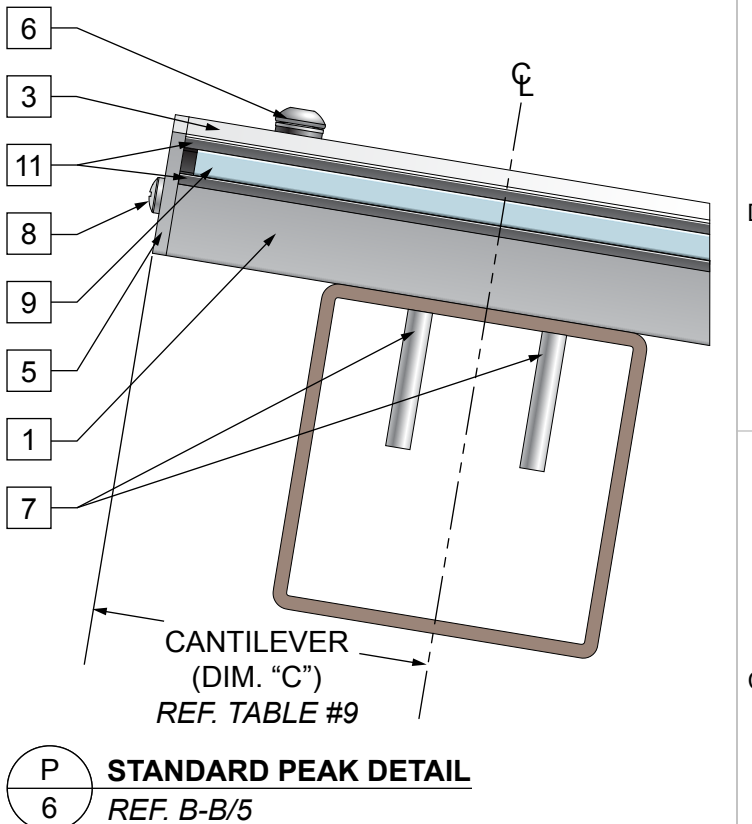
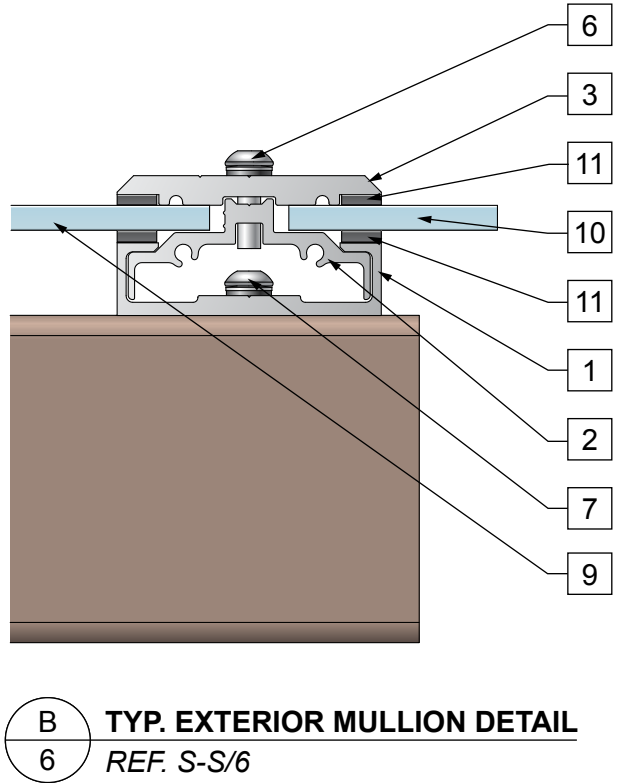
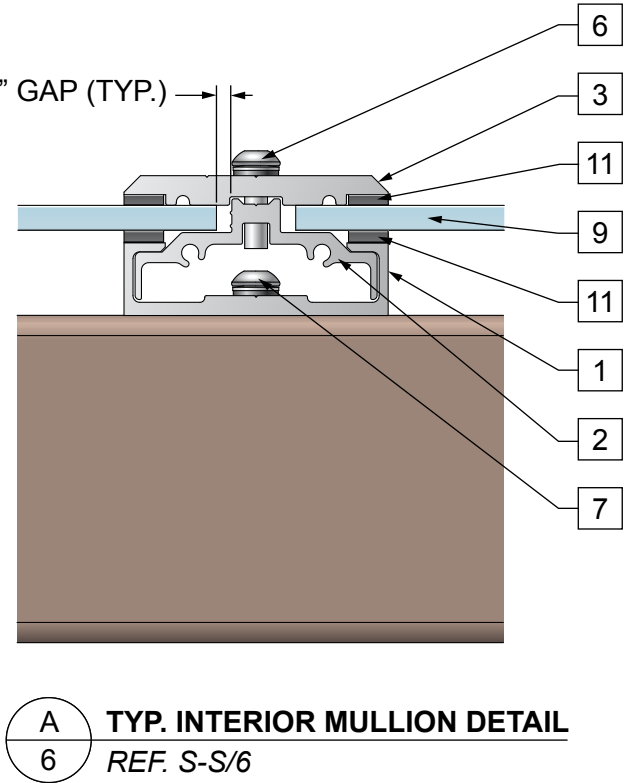
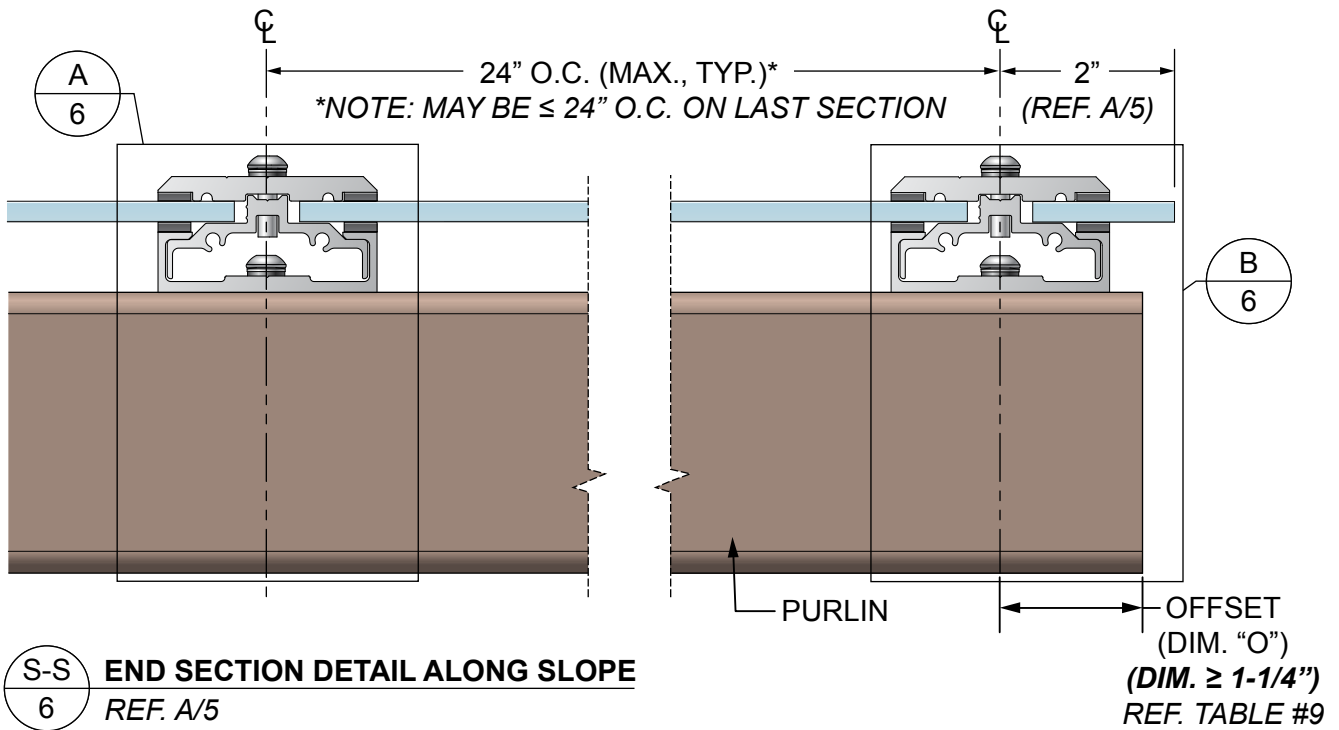
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REV.	DATE	ENG.	REV. PHASE/NOTES	PROJECT NAME		
REV. 1				PROJECT NUMBER		
REV. 2				DESCRIPTION (SHEET NAME):		
REV. 3				Overall Layout		
REV. 4				PRJT. ENG.	DRW'G. DATE	TYPE CANOPY
REV. 5				CHECKED	CHK. DATE	DETAILS SERIES 3900
REV. 6				PRJT. MGR.	PRJT. PHASE	DO NOT SCALE DRAWING
				ALL UNITS IN INCHES U.N.O.		
				SHEET 05 OF		

SYSTEM COMPONENT KEY	
LABEL	COMPONENT DESCRIPTION
1	SLEEKLINE ALUM. BASE CHANNEL
2	SLEEKLINE ALUM. CONTINUOUS INSERT "IN (MILL FINISH)"
3	SLEEKLINE ALUM. CAP
4	1/8" THICK SLEEKLINE ALUM. MULLION END CAP WITH (2) WEEP HOLES
5	1/8" THICK SLEEKLINE ALUM. MULLION END CAP
6	#12 x 1" TORX TEK 3 SCREW WITH NEOPRENE WASHER (BI-METAL, MILL FINISH) LOCATED EVERY 12" O.C. (TYP.)
7	MOUNTING HARDWARE - (x2) LOCATED AT EACH PURLIN INTERSECTION - SEE STANDARD HARDWARE DETAILS TABLE #7 - SHEET 4
8	(2) #10 x 1/2" PAN HEAD SCREWS (S/S, MILL FINISH)
9	SOLID POLYCARBONATE SHEET. 23-5/16" MAX. PANEL WIDTH (TYP., U.N.O.)
10	SOLID POLYCARBONATE SHEET. 1-5/8" WIDE END PANEL, TYP. BOTH ENDS
11	TPV GASKET (BLACK)

 = DRAIN PATH





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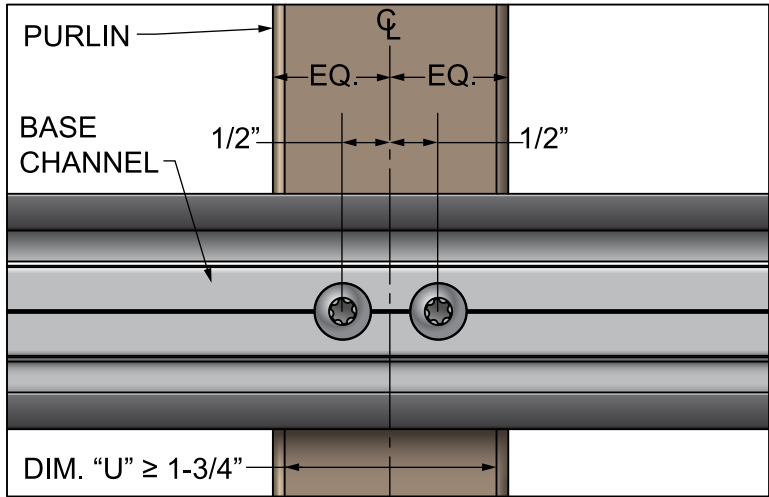
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REV.	DATE	ENG.	REV. PHASE/NOTES	PROJECT NAME
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REV. 2				
REV. 3				
REV. 4				
REV. 5				
REV. 6				

PROJECT NUMBER	DESCRIPTION (SHEET NAME):		REV.
PRJT. ENG.	DRW'G. DATE	TYPE CANOPY	DO NOT SCALE DRAWING
CHECKED	CHK. DATE	DETAILS SERIES 3900	ALL UNITS IN INCHES U.N.O.
PRJT. MGR.	PRJT. PHASE	SHEET 06 OF	

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A
7 **BASE CHANNEL ATTACHMENT (TYP.)**
TYP. AT ALL LOCATIONS - REF. A/5 & TABLE #10
(SOME COMPONENTS REMOVED TO SHOW
BASE CHANNEL DETAILS)

TABLE #10 - BASE CHANNEL ATTACHMENT

- BASE CHANNEL REQUIRES A MINIMUM OF (2) STANDARD FASTENERS PER PURLIN LOCATION FOR PROPER ATTACHMENT. FASTENERS MUST BE CENTERED IN THE BASE CHANNEL PROFILE AND ALIGNED PARALLEL WITH THE MULLION.

- DIMENSION "U" (DIM. "U" ABOVE) REFERS TO THE AMOUNT OF FLAT SURFACE ON THE TOP SIDE OF THE PURLIN IN THE PURLIN WIDTH DIMENSION. IF A PURLIN HAS RADIUS CORNERS, THE USABLE FLAT DIMENSION EXCLUDES THE CORNER RADII.

- DUO-GARD REQUIRES THAT THE PURLIN HAS A MINIMUM OF 1-3/4" OF USABLE FLAT SURFACE (DIM. "U") FOR MOUNTING.

NOTE: SPLICED BASE CHANNEL REQUIRES A JOB SPECIFIC DETAIL. DIM. "U" MAY BE INCREASED AT BASE CHANNEL SPLICE LOCATIONS

FULL WIDTH PANEL** (23-5/16" STANDARD)
**NOTE: MAY BE SHORTER ON ONE END DEPENDING ON THE OVERALL SIZE OF THE CANOPY

POLYCARBONATE SHEET ON END (1-5/8" WIDE PANEL)

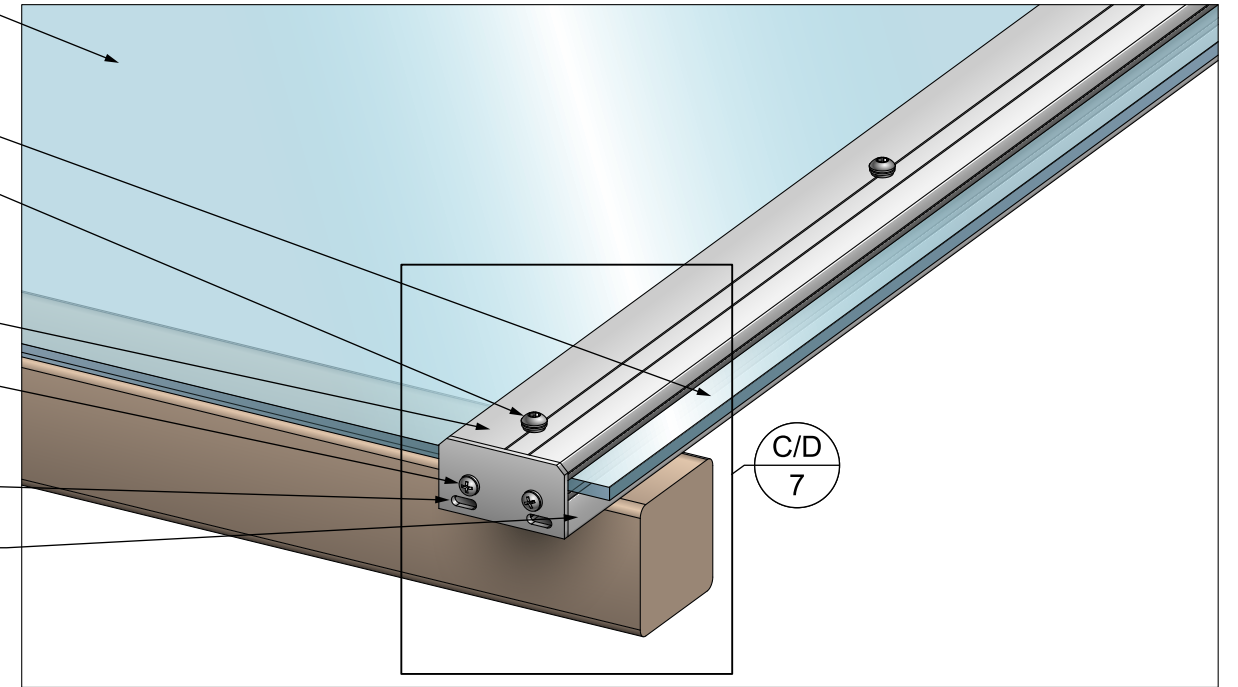
#12 x 1" LOW PROFILE TORX TEK 3 SCREW WITH NEOPRENE WASHER (BI-METAL, MILL FINISH) LOCATED EVERY 12" O.C. (TYP.)

SLEEKLINE ALUM. PRESSURE CAP

1/8" ALUM. END CAP ON EACH END OF MULLION ATTACHED WITH (2) #10 x 1/2" PAN HEAD SCREWS (S/S, MILL FINISH)

1/8" MULLION END CAP HAS WEEP HOLES ON EAVE END ONLY

SLEEKLINE ALUM. BASE CHANNEL



B
7 **SYSTEM INSTALLATION PHASE #1**
TYP. EAVE CORNER SHOWN, SIM. AT PEAK - REF. A/5

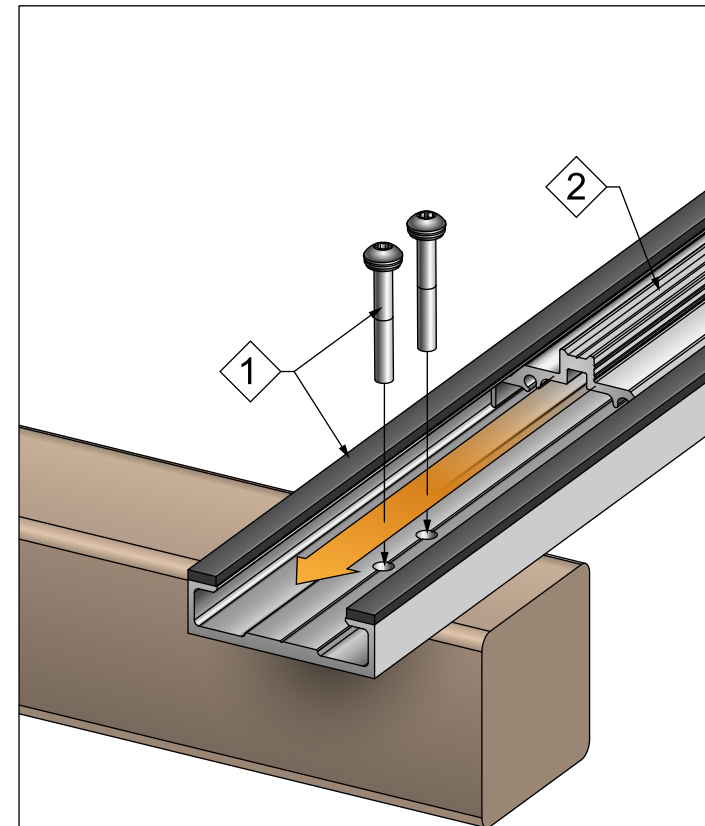
TYPICAL SYSTEM INSTALLATION DETAILS

PHASE #1 - REF. DETAIL C/7

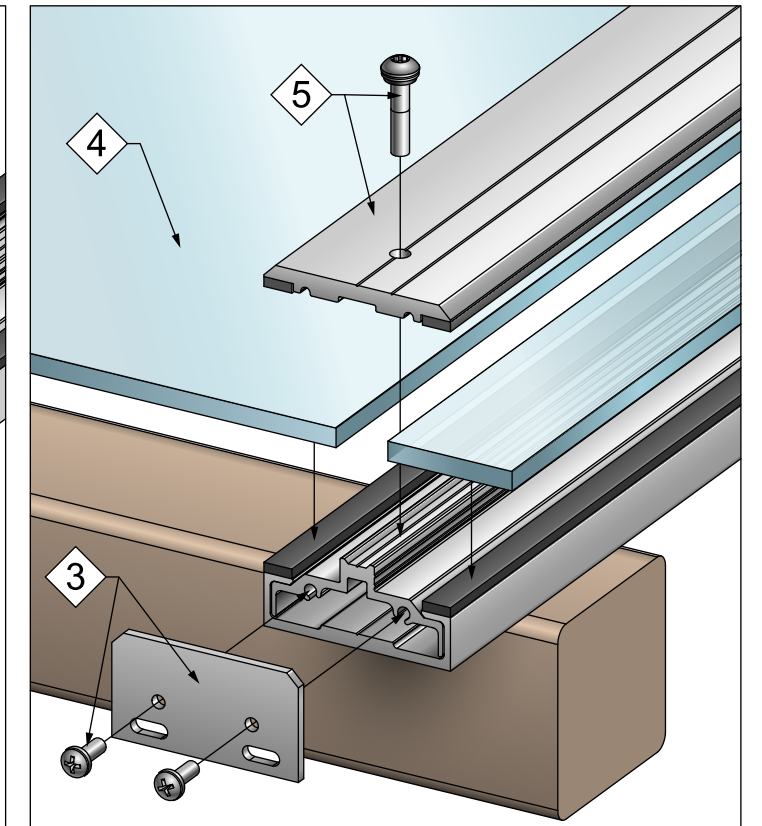
- 1 INSTALL BASE CHANNEL TO PURLINS WITH (2) MOUNTING FASTENERS AT EACH PURLIN LOCATION. (REF. TABLE #7 FOR FASTENERS)
- 2 SLIDE THE SLEEKLINE INSERT INTO BASE CHANNEL UNTIL END OF INSERT IS FLUSH WITH THE END OF THE BASE CHANNEL

PHASE #2 - REF. DETAIL D/7

- 3 ATTACH THE 1/8" END CAPS TO EACH END OF THE MULLIONS USING (2) #10 x 1/2" PAN HEAD SCREWS. END CAP AT EAVE HAS WEEP HOLES.
- 4 POSITION THE PANELS ON TOP OF THE BASE CHANNEL GASKET, LEAVING A 1/8" GAP BETWEEN THE PANEL EDGE AND THE PROTRUDING EXTERIOR FACE OF THE INSERT ALONG THE MULLION (REF. A/6).
- 5 FASTEN THE PRESSURE CAP WITH #12 x 1" TORX TEK SCREWS THRU THE INSERT ALONG THE LENGTH OF THE MULLION.



C
7 **SYSTEM INSTALLATION PHASE #1**
REF. B/7



D
7 **SYSTEM INSTALLATION PHASE #2**
REF. B/7



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REV. 1				PROJECT NUMBER		
REV. 2				DESCRIPTION (SHEET NAME):		
REV. 3				Glazing Details 1		
REV. 4				PRJT. ENG.	DRW'G. DATE	TYPE CANOPY
REV. 5				CHECKED	CHK. DATE	DETAILS SERIES 3900
REV. 6				PRJT. MGR.	PRJT. PHASE	DO NOT SCALE DRAWING
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REV. 3						
REV. 4				PRJT. ENG.	DRW'G. DATE	TYPE CANOPY
REV. 5				CHECKED	CHK. DATE	DETAILS SERIES 3900
REV. 6				PRJT. MGR.	PRJT. PHASE	DO NOT SCALE DRAWING
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