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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.

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.

1. ALL HARDWARE TO BE EITHER STAINLESS STEEL OR BI-METAL, ALL MILL FINISH, UNLESS NOTED OTHERWISE. SEE TABLE #4/SHEET 3 FOR SPECIFIC HARDWARE DETAILS FOR THE SERIES 2500 SYSTEM.
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 BATTEN CLIPS AND SPLICE KEYS, WILL BE MILL FINISH.
5. A SEPARATOR BETWEEN DUO-GARD GLAZING COMPONENTS AND FRAMING (BY OTHERS) IS NOT INCLUDED, BUT MAY BE PROVIDED AT AN ADDITIONAL COST.

TYP. = TYPICAL	T.B.D. = TO BE DETERMINED
O.C. = ON CENTER	PCSS = POLYCARBONATE STRUCTURED SHEET
CL = CENTERLINE	U.N.O. = UNLESS NOTED OTHERWISE
DIM(S) = DIMENSION(S)	REQ'D = REQUIRED



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SERIES 2500 | STANDARD DRAWINGS

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TEST STANDARD	TEST DESCRIPTION	RESULTS
FLAMMABILITY		
ASTM D1929	IGNITION TEMPERATURE	896 DEGREES FAHRENHEIT
ASTM D2843	DENSITY OF SMOKE	71%
ASTM D635	BURN EXTENT	CC1 RATING: LESS THAN 1" BURN EXTENT
ASTM E84	FLAME SPREAD	CLASS A: 10
	SMOKE DEVELOPED	CLASS A: 20
WEATHERING		
ASTM E308	COLOR CHANGE	4,500 HOURS OF EXPOSURE
ASTM E313	YELLOWNESS	4,500 HOURS OF EXPOSURE

PROJECT NAME:		
LOCATION:		
DGI PROJECT #:		
REQUESTER:		
INSTALLER:	DUO-GARD	OTHERS
PCSS TYPE: 20mm BATTEN PCSS		
PCSS 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 1: Title Sheet
SHEET 2: General Information
SHEET 3: Installation Guidelines
SHEET 4: Overall Layout
SHEET 5: Section Details 1
SHEET 6: Section Details 2
SHEET 7: Section Details 3
SHEET 8: Section Details 4
SHEET 9: Glazing Details 1
SHEET 10: Glazing Details 2

APPROVED

APPROVED AS NOTED

CORRECT AND RESUBMIT

SIGNATURE: _____

SIGNER *(PLEASE PRINT)*: _____

DATE: ____ / ____ / ____

TABLE #3 - PURLIN SPACING & GENERAL REQUIREMENTS

MAX. PURLIN SPACING IS: _____" O.C.		DOWNWARD DESIGN LOAD (p.s.f.)								
		20	30	40	50	60	70	80	100	120
WIND SPEED (m.p.h.)	WIND UPLIFT (p.s.f.)	PURLIN SPACING (inches)								
115	57	48	48	44	42	40	38	36	34	34
120	62	44	44	44	42	40	38	36	34	34
125	67	42	42	42	42	40	38	36	34	34
130	72	38	38	38	38	38	38	36	34	34
135	78	36	36	36	36	36	36	36	34	34
140	84	32	32	32	32	32	32	32	32	32
150	96	28	28	28	28	28	28	28	28	28
160	109	24	24	24	24	24	24	24	24	24

- DESIGN STANDARD: ASCE 7-10 ALLOWABLE STRESS DESIGN
- PURLIN SPACING IS LIMITED TO A PANEL DEFLECTION OF 2.5" & THE PANEL UPLIFT CAPACITY
- FOR DOWNWARD DESIGN LOADS, USE APPROPRIATE LOAD COMBINATIONS TO DETERMINE WORST CASE
- DESIGN WIND LOAD CRITERIA: EXPOSURE C, COMPONENTS & CLADDING, OPEN STRUCTURE, ELEVATION Z < 25', MONOSLOPED ROOF, ROOF ANGLE ASSUMED 9.84° (2:12 PITCH), EFFECTIVE WIND AREA ≤ a² (SMALL AREA)
- PANEL SUPPORT CLIP: "20 BTC" CLIP (ALUMINUM, 6005-T5) CONNECTION WITH (2) STANDARD FASTENERS
- CLIP CONNECTION SCREWS PULLOUT STRENGTH CONTROLLED BY PURLIN WALL THICKNESS/MATERIAL
- WIND LOADS SHOWN ARE AT SERVICE LEVEL

SHIM, SEPARATOR, AND SEALANT DETAILS

SEALANT (REF. C/10 & D/10)

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 ALUMINUM EXTRUSIONS WILL BE SELECTED BY DGI FROM STANDARD COLOR CHART.

NOTE: SOME AREAS REQUIRE CLEAR SEALANT (SEE D/10)

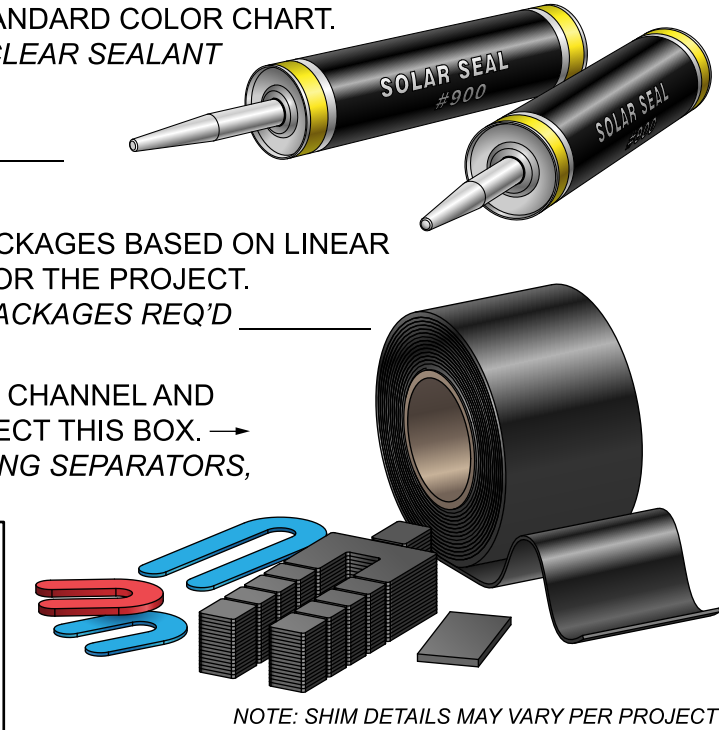
SEALANT COLOR: _____
(TO MATCH EXTRUSIONS)

SHIMS

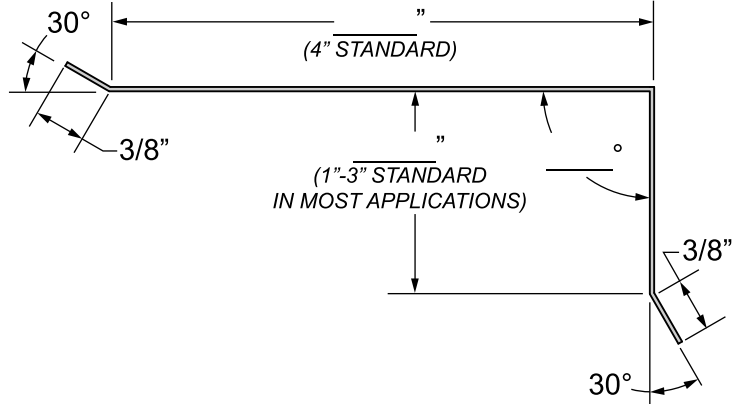
SHIMS MAY BE PROVIDED IN PACKAGES BASED ON LINEAR FOOTAGE OF BASE CHANNEL FOR THE PROJECT.
NUMBER OF STANDARD SHIM PACKAGES REQ'D _____

SEPARATORS

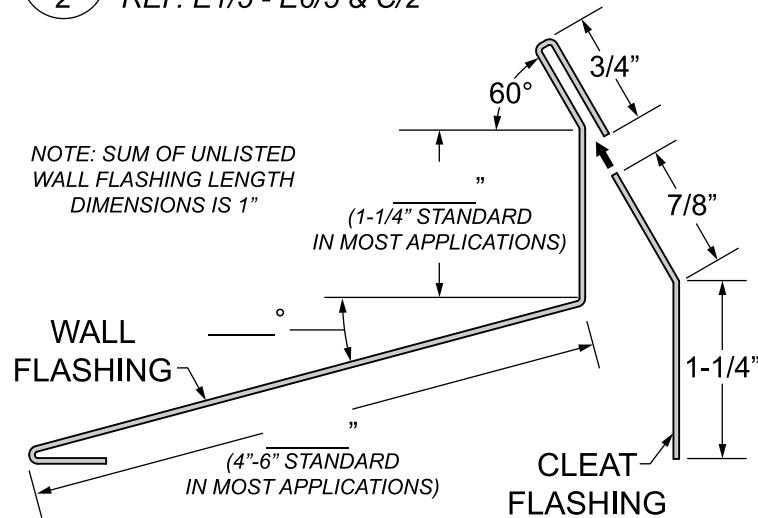
IF SEPARATION BETWEEN BASE CHANNEL AND STRUCTURE IS REQUIRED, SELECT THIS BOX. →
NOTE: IF DUO-GARD IS PROVIDING SEPARATORS, ADDITIONAL FEES MAY APPLY.



NOTE: SHIM DETAILS MAY VARY PER PROJECT



A STANDARD EAVE FLASHING PROFILE
2 REF. E1/5 - E6/5 & C/2



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

WALL FLASHING NOTES - REF. DETAILS B/2 & C/2

- STANDARD WALL (AND CLEAT) FLASHING MAY BE REQUIRED FOR SOME PROJECTS DEPENDING ON JOB SPECIFIC CRITERIA. REFERENCE ALL COLUMNS LABELED "F" IN TABLE #6 (SHEET 4) FOR ALL AREAS THAT REQUIRE FLASHING.
- CONTINUOUS SEALANT MUST BE APPLIED BY THE INSTALLER ALONG MOUNTING SURFACE.
- REFERENCE DETAIL C/2 (ON RIGHT) FOR EXAMPLES OF TYPICAL INSTALLATION.

FLASHING NOTES - REF. DETAILS A/2 & B/2

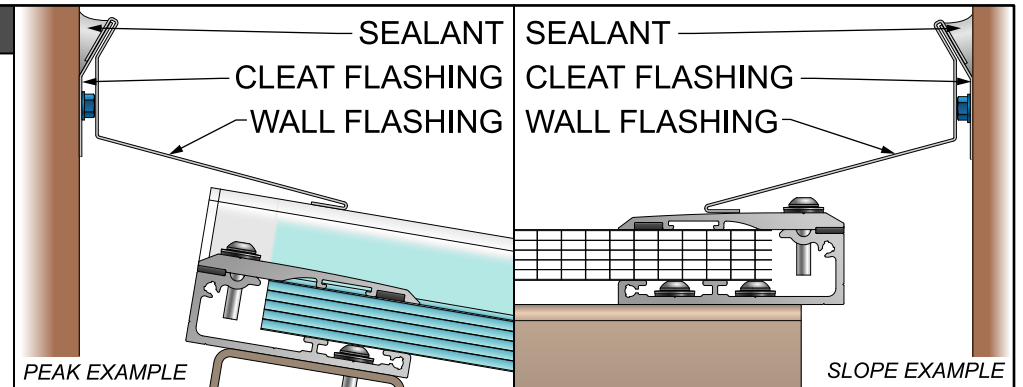
- FILL IN ALL DIMENSIONS SHOWN IN DETAILS A/2 & B/2 (LEFT).
- IF SUM OF DIMENSIONS FOR ANY OF THE FLASHINGS EXCEEDS 12", ADDITIONAL FEES MAY APPLY.
- FLASHING TO BE .040" THICK, 3003 ALLOY, FINISHED TO MATCH.
- FLASHING TO BE SENT IN 120" STOCK LENGTHS. FLASHING TO BE FIELD CUT FOR EXACT FIT BY THE INSTALLER.
- DUO-GARD IS NOT RESPONSIBLE FOR VALIDATING SIZES OF FLASHING PROVIDED ON THIS DRAWING.

A TOTAL NUMBER OF _____ STOCK LENGTH PIECES OF EAVE FLASHING ARE REQUIRED FOR THIS PROJECT

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

SELECT THE REQUIRED MOUNTING FASTENER BELOW:

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



C STANDARD WALL FLASHING PROFILES
2 REF. P1/6 - P3/6 FOR PEAK AND S1/6-S3/6 FOR SLOPE



REGISTERED ENGINEER

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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.
				General Information		
				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 02 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

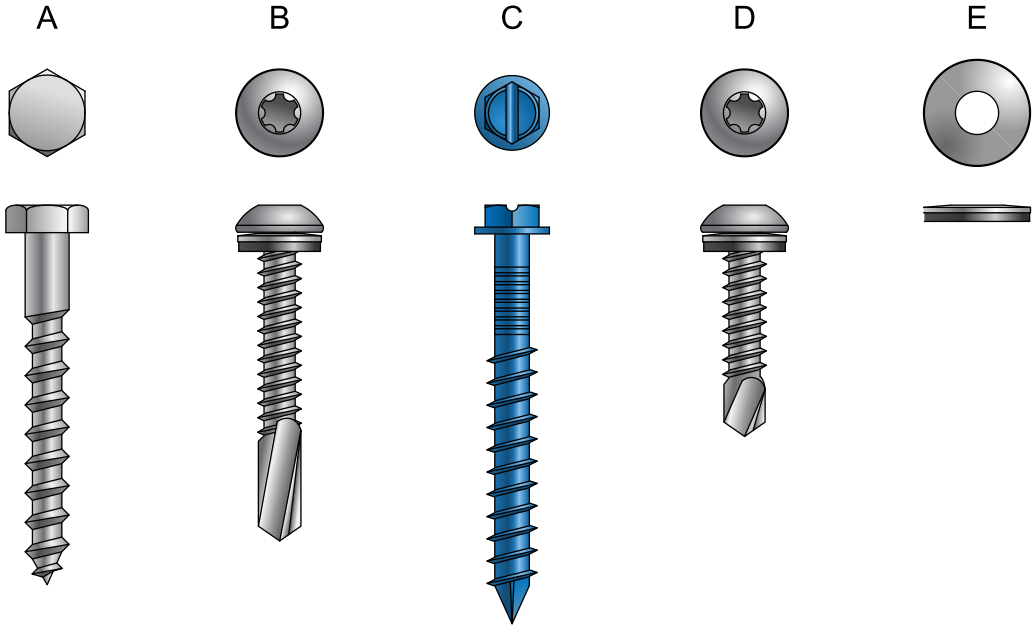


TABLE #4 - SERIES 2500 STANDARD HARDWARE DETAILS

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	1/4" I.D. NEOPRENE WASHER (S/S)	MILL	

TABLE #5 - HARDWARE APPLICATION DETAILS

ITEM #	STANDARD APPLICATION FOR HARDWARE
A	ATTACHES BASE CHANNEL/BATTEN CLIP TO WOOD SUBSTRATE
B	ATTACHES BASE CHANNEL/BATTEN CLIP TO METAL SUBSTRATE (SCREWS FOR BATTEN CLIPS WILL NOT HAVE WASHERS)
C	ATTACHES FLASHING TO CONCRETE/C.M.U.* SUBSTRATE
D	ATTACHES EDGE CAP TO BASE CHANNEL
E	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				PROJECT NUMBERDESCRIPTION (SHEET NAME):REV.			
REV. 2							
REV. 3							
REV. 4				PRJT. ENG.	DRW'G. DATE	TYPE CANOPY	DO NOT SCALE DRAWING
REV. 5				CHECKED	CHK. DATE	DETAILS SERIES 2500	ALL UNITS IN INCHES U.N.O.
REV. 6				PRJT. MGR.	PRJT. PHASE		SHEET 03 OF

TABLE #6 - 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"			CLIP
										DETAIL	DIM. "O"	DETAIL	DIM. "O"	"F"	DETAIL	DIM. "O"	"F"	DETAIL	DIM. "O"	"F"	
1								X X -		E /5		S /			S /			P /6			C /8
2								X X -		E /5		S /			S /			P /6			C /8
3								X X -		E /5		S /			S /			P /6			C /8
4								X X -		E /5		S /			S /			P /6			C /8
5								X X -		E /5		S /			S /			P /6			C /8
6								X X -		E /5		S /			S /			P /6			C /8
7								X X -		E /5		S /			S /			P /6			C /8
8								X X -		E /5		S /			S /			P /6			C /8
9								X X -		E /5		S /			S /			P /6			C /8
10								X X -		E /5		S /			S /			P /6			C /8

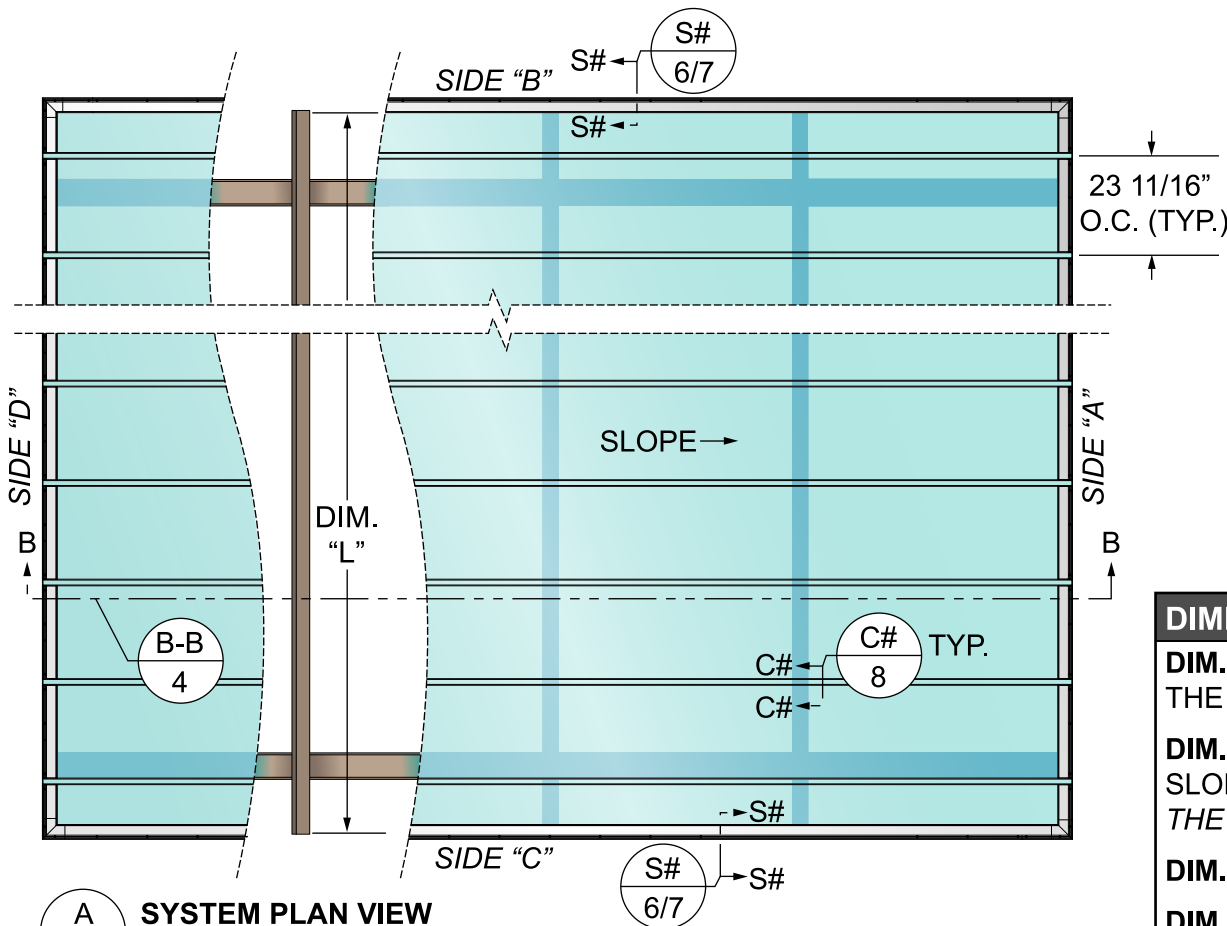
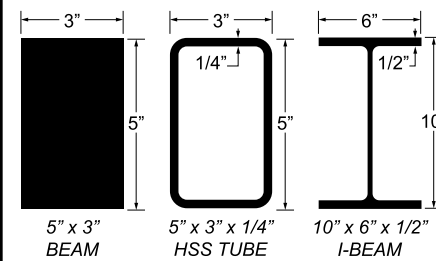
PURLIN GUIDE

INPUT THE DIMENSIONS FOR THE PURLIN DESCRIPTION (TABLE #6 ABOVE) USING THE FOLLOWING FORMAT:

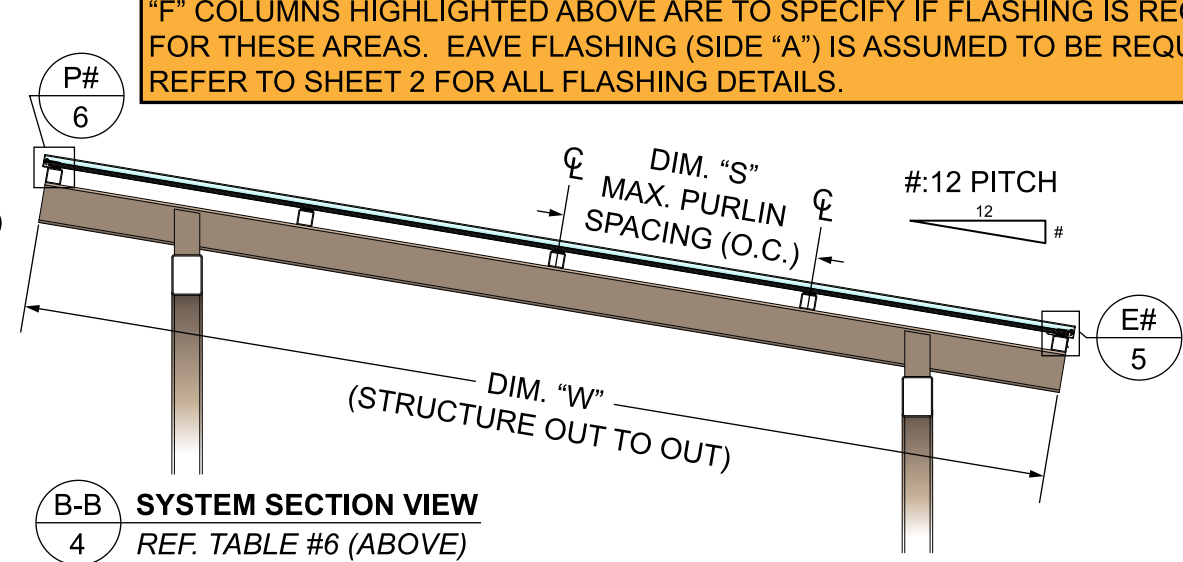
V x H x T - DESCRIPTION

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

SEE EXAMPLES BELOW:



A 4 SYSTEM PLAN VIEW
REF. TABLE #6 (ABOVE)



B-B 4 SYSTEM SECTION VIEW
REF. TABLE #6 (ABOVE)

"F" COLUMNS HIGHLIGHTED ABOVE ARE TO SPECIFY IF FLASHING IS REQUIRED FOR THESE AREAS. EAVE FLASHING (SIDE "A") IS ASSUMED TO BE REQUIRED. REFER TO SHEET 2 FOR ALL FLASHING DETAILS.

DIMENSION GUIDE - REF. TABLE #6 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 (℄ TO ℄).

DIM. "O" - THE OFFSET DIMENSION FROM THE EXTERIOR FACE OF THE STRUCTURE TO THE EXTERIOR FACE OF THE BASE CHANNEL. WRITE "NA" IN COLUMN IF SURFACES ARE ALIGNED.



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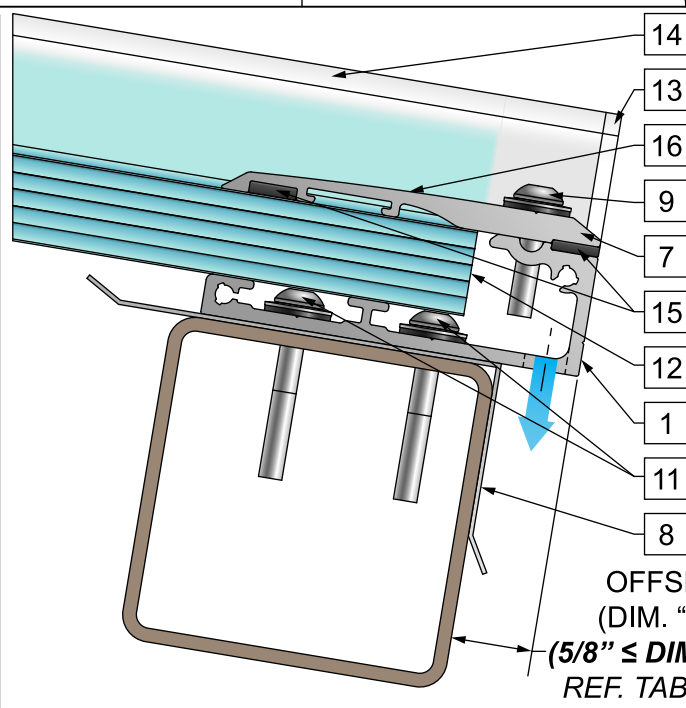
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	DATE	ENG.	REV. PHASE/NOTES	PROJECT NAME			
REV. 1							
REV. 2				PROJECT NUMBER	DESCRIPTION (SHEET NAME): Overall Layout		REV.
REV. 3							
REV. 4				PRJT. ENG.	DRWG. DATE	TYPE CANOPY	DO NOT SCALE DRAWING
REV. 5				CHECKED	CHK. DATE	DETAILS SERIES 2500	ALL UNITS IN INCHES U.N.
REV. 6				PRJT. MGR.	PRJT. PHASE		SHEET 04 OF

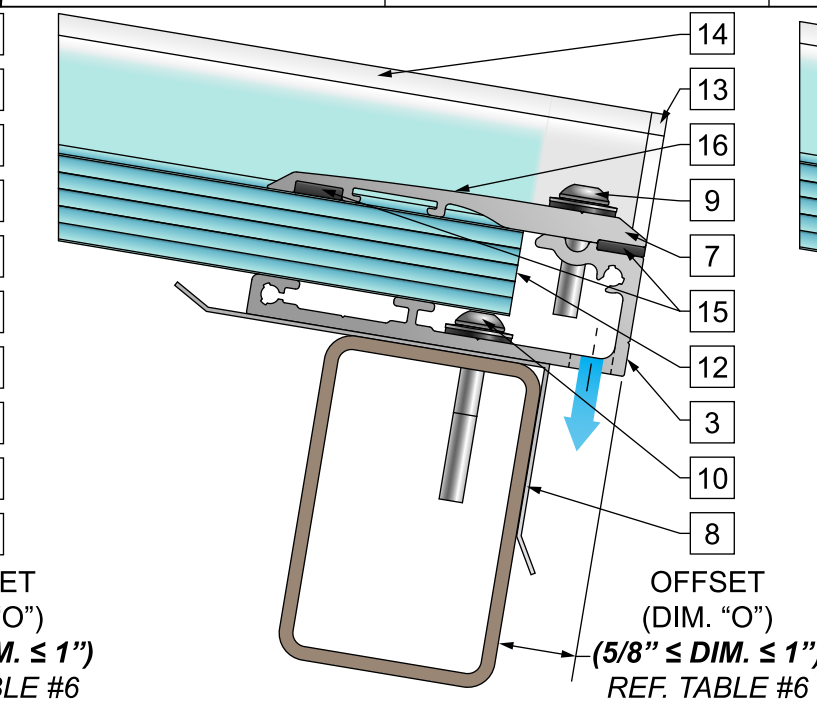
SYSTEM COMPONENT KEY	
LABEL	COMPONENT DESCRIPTION
1	BC101 ALUM. EDGE BASE (STANDARD MOUNT) WITH (2) 3/8" Ø WEEP HOLES LOCATED EVERY 24" O.C. (TYP.) ON UNDERSIDE (STANDARD)
2	BC101 ALUM. EDGE BASE (STANDARD MOUNT) WITH (2) 3/8" Ø WEEP HOLES LOCATED EVERY 24" O.C. (TYP.) ON EXTERIOR (ALTERNATE)
3	BC101 ALUM. EDGE BASE (SINGLE MOUNT) WITH (2) 3/8" Ø WEEP HOLES LOCATED EVERY 24" O.C. (TYP.) ON UNDERSIDE (STANDARD)
4	BC101 ALUM. EDGE BASE (SINGLE MOUNT) WITH (2) 3/8" Ø WEEP HOLES LOCATED EVERY 24" O.C. (TYP.) ON EXTERIOR (ALTERNATE)
5	BC101 ALUM. EDGE BASE (ALTERNATE MOUNT) WITH (2) 3/8" Ø WEEP HOLES LOCATED EVERY 24" O.C. (TYP.) ON UNDERSIDE (STANDARD)
6	BC101 ALUM. EDGE BASE (ALTERNATE MOUNT) WITH (2) 3/8" Ø WEEP HOLES LOCATED EVERY 24" O.C. (TYP.) ON EXTERIOR (ALTERNATE)
7	PC102 ALUM. PRESSURE CAP (LOCATED BETWEEN BATTEN CAPS)
8	ALUM. EAVE FLASHING - SHAPE BASED ON JOB SPECIFIC CRITERIA - SEE SHEET 2
9	#12 x 1" TORX TEK 3 SCREW WITH NEOPRENE WASHER (BI-METAL, MILL FINISH) x3 PER CAP
10	MOUNTING HARDWARE - LOCATED EVERY 12" O.C. (TYP.) - SEE STANDARD HARDWARE DETAILS TABLE #4 - SHEET 3
11	MOUNTING HARDWARE - (x2) LOCATED EVERY 18" O.C. (TYP.) - SEE STANDARD HARDWARE DETAILS TABLE #4 - SHEET 3
12	20mm BATTEN POLYCARB. STRUCTURED SHEET
13	POLYCARBONATE BATTEN END CAP (CLEAR)
14	POLYCARBONATE BATTEN CAP (CLEAR)
15	TPV GASKET
16	CONT. SEALANT AT PC102/BATTEN CAP SEAM

NOTE: LABELS SPECIFIC TO THIS PAGE ONLY

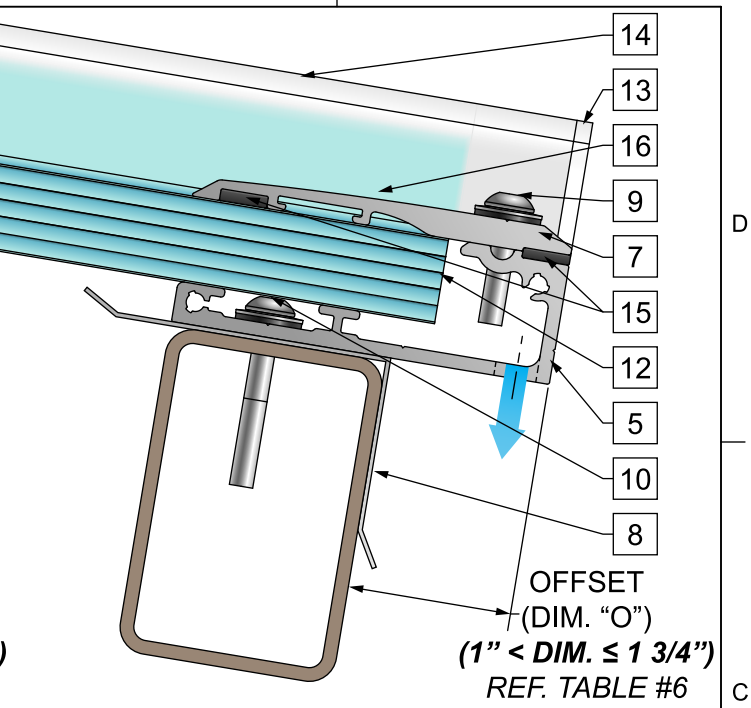
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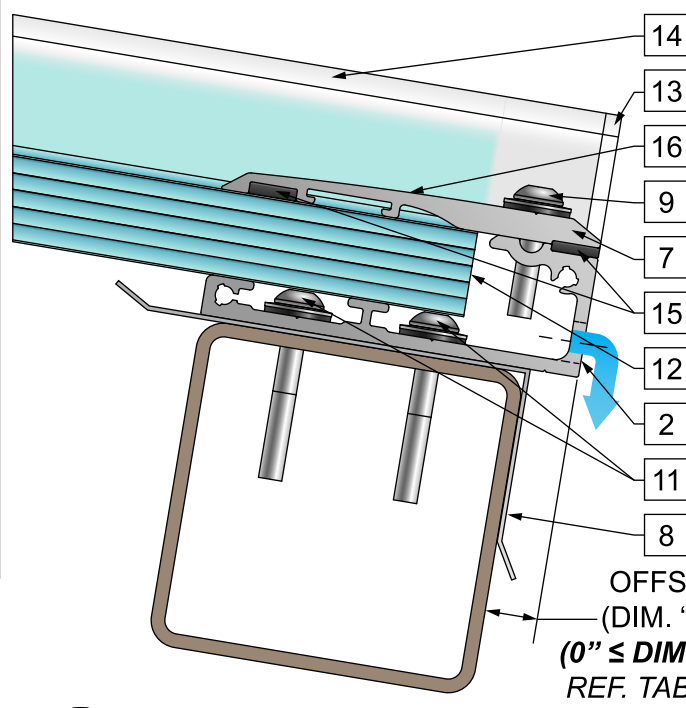
E1
5
EAVE STD. MOUNT/WEEP DETAIL
REF. B-B/4



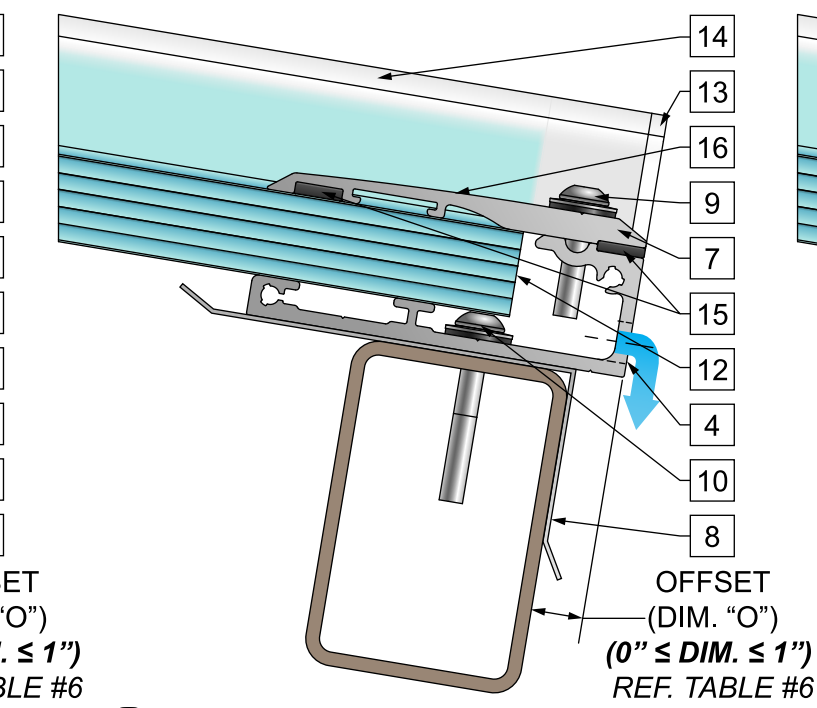
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EAVE SINGLE MOUNT/STD. WEEP DETAIL
REF. B-B/4



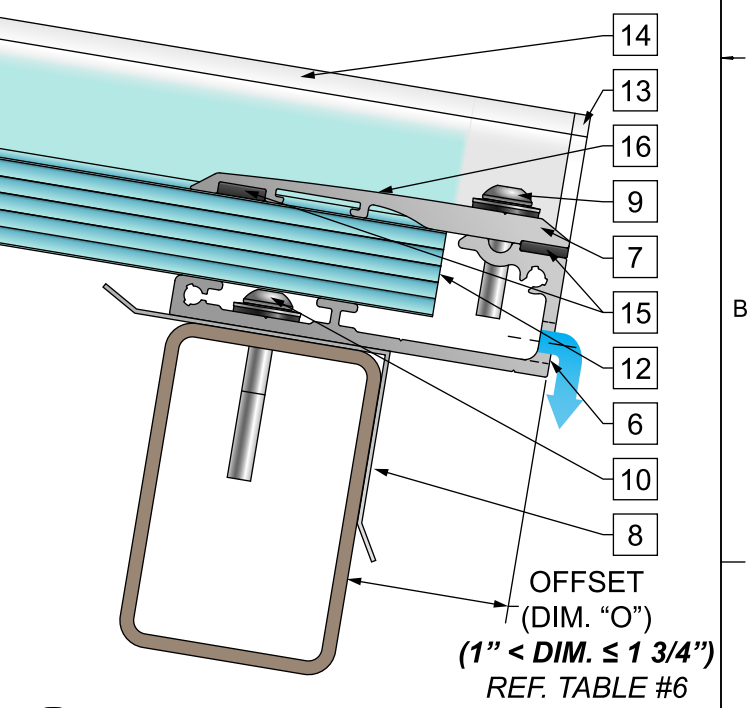
E3
5
EAVE ALT. MOUNT/STD. WEEP DETAIL
REF. B-B/4



E4
5
EAVE STD. MOUNT/ALT. WEEP DETAIL
REF. B-B/4



E5
5
EAVE SINGLE MOUNT/ALT. WEEP DETAIL
REF. B-B/4



E6
5
EAVE ALT. MOUNT/ALT. WEEP DETAIL
REF. B-B/4



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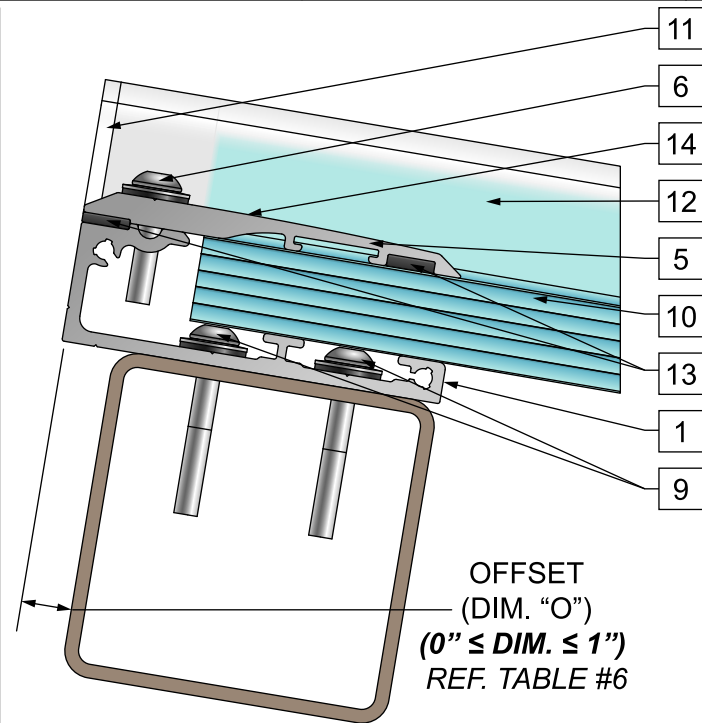
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REV. 1				
REV. 2				
REV. 3				
REV. 4				
REV. 5				
REV. 6				

PROJECT NUMBER	DESCRIPTION (SHEET NAME):	REV.
	Section Details 1	
PRJT. ENG.	DRW'G. DATE	TYPE CANOPY
CHECKED	CHK. DATE	DETAILS SERIES 2500
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		ALL UNITS IN INCHES U.N.O.
		SHEET 05 OF

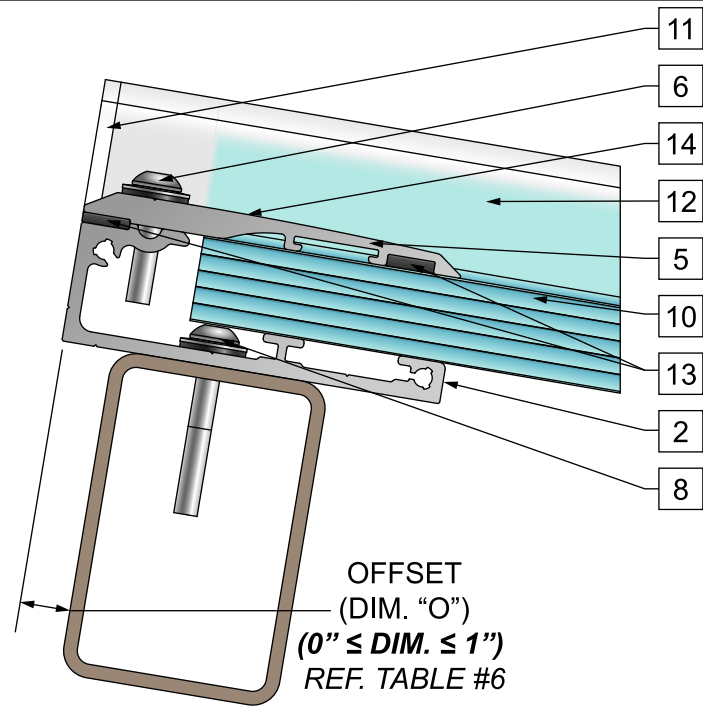
SYSTEM COMPONENT KEY	
LABEL	COMPONENT DESCRIPTION
1	BC101 ALUM. EDGE BASE (STANDARD MOUNT)
2	BC101 ALUM. EDGE BASE (SINGLE MOUNT)
3	BC101 ALUM. EDGE BASE (ALTERNATE MOUNT)
4	PC102 ALUM. PRESSURE CAP - CONTINUOUS
5	PC102 ALUM. PRESSURE CAP (LOCATED BETWEEN BATTEN CAPS)
6	#12 x 1" TORX TEK 3 SCREW WITH NEOPRENE WASHER (BI-METAL, MILL FINISH) x3 PER CAP
7	#12 x 1" TORX TEK 3 SCREW WITH NEOPRENE WASHER (BI-METAL, MILL FINISH) LOCATED EVERY 12" O.C. (TYP.)
8	MOUNTING HARDWARE - LOCATED EVERY 12" O.C. (TYP.) - SEE STANDARD HARDWARE DETAILS TABLE #4 - SHEET 3
9	MOUNTING HARDWARE - (x2) LOCATED EVERY 18" O.C. (TYP.) - SEE STANDARD HARDWARE DETAILS TABLE #4 - SHEET 3
10	20mm BATTEN POLYCARB. STRUCTURED SHEET
11	POLYCARBONATE BATTEN END CAP (CLEAR)
12	POLYCARBONATE BATTEN CAP (CLEAR)
13	TPV GASKET
14	CONT. SEALANT AT PC102/BATTEN CAP SEAM

NOTE: LABELS SPECIFIC TO THIS PAGE ONLY

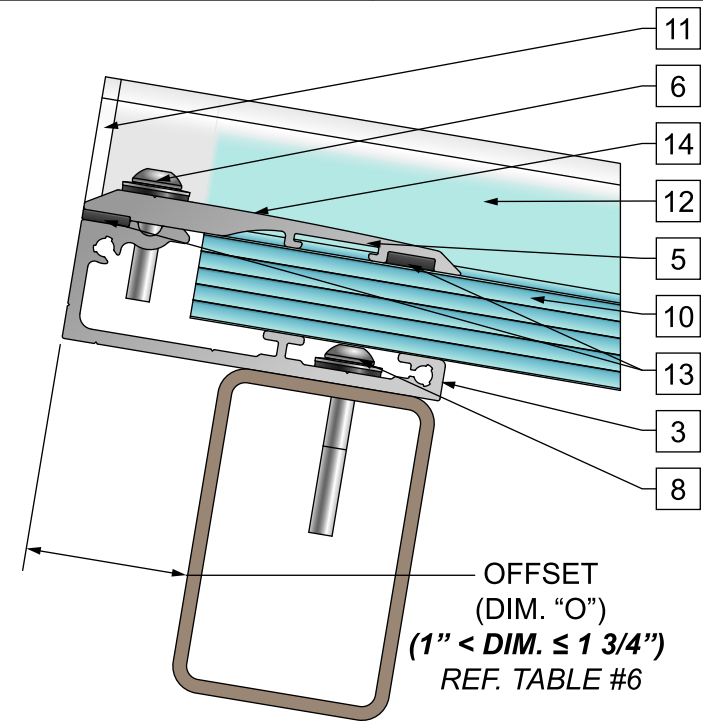
NOTE:
SLOPED END DETAILS ON THIS PAGE (S1/6 - S3/6) SHOW A CONTINUOUS SURFACE/"FASCIA" FOR BC101 ATTACHMENT. PLEASE REFER TO DETAILS S1/7-S3/7 & TABLE #7 (SHEET 7) FOR STANDARD DETAILS THAT DESCRIBE BASE CHANNEL ATTACHMENT AT PERIODIC PURLIN LOCATIONS ONLY (NON-CONTINUOUS MOUNTING).
CONT. = CONTINUOUS IN S1-S3 DETAIL VIEWS (LEFT)



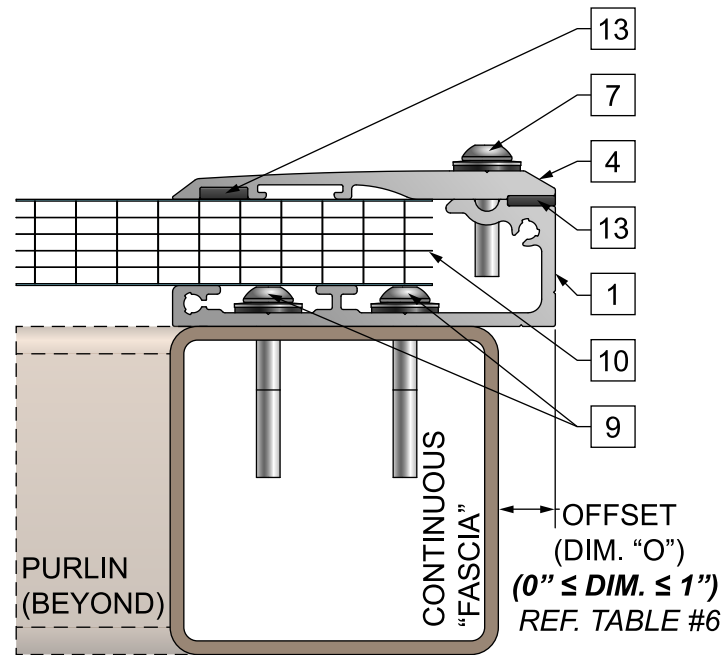
P1
6
PEAK STANDARD DETAIL
REF. B-B/4



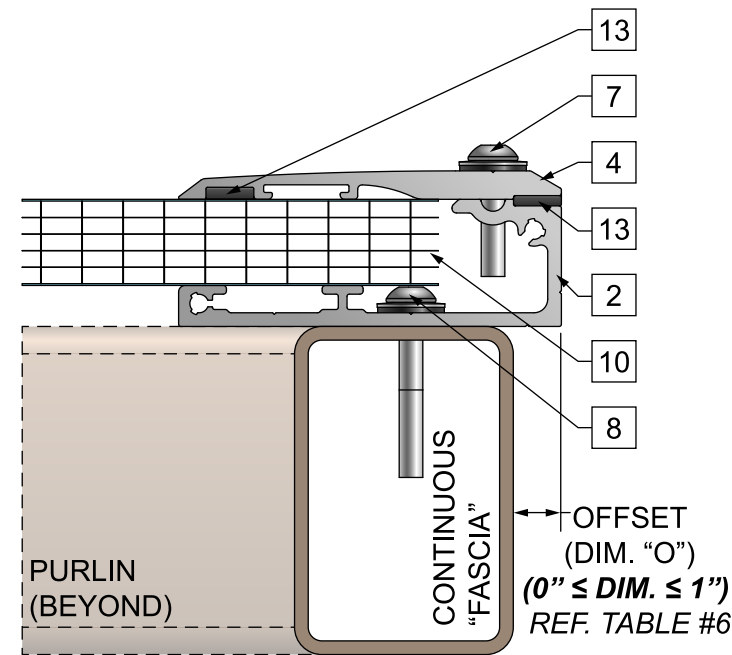
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PEAK SINGLE MOUNT DETAIL
REF. B-B/4



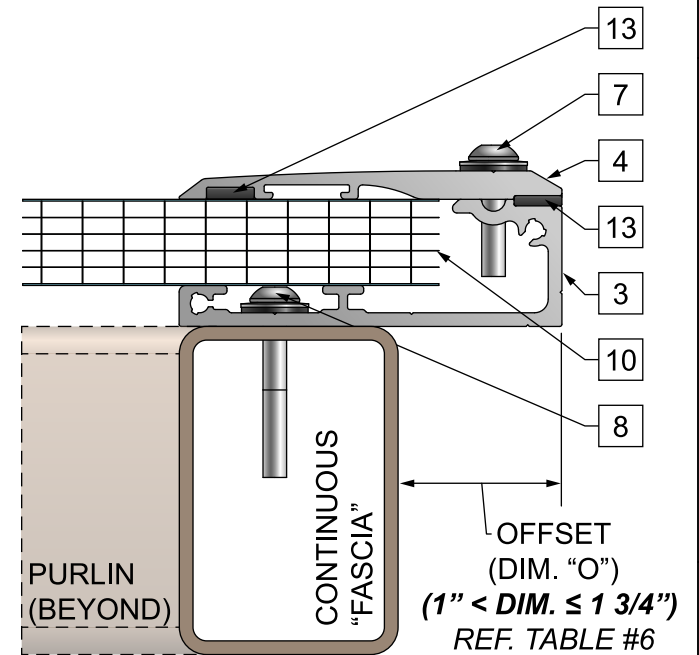
P3
6
PEAK ALTERNATE DETAIL
REF. B-B/4



S1
6
SLOPE END CONT. STANDARD DETAIL
REF. A/4



S2
6
SLOPE END CONT. SINGLE MOUNT DETAIL
REF. A/4



S3
6
SLOPE END CONT. ALTERNATE DETAIL
REF. A/4



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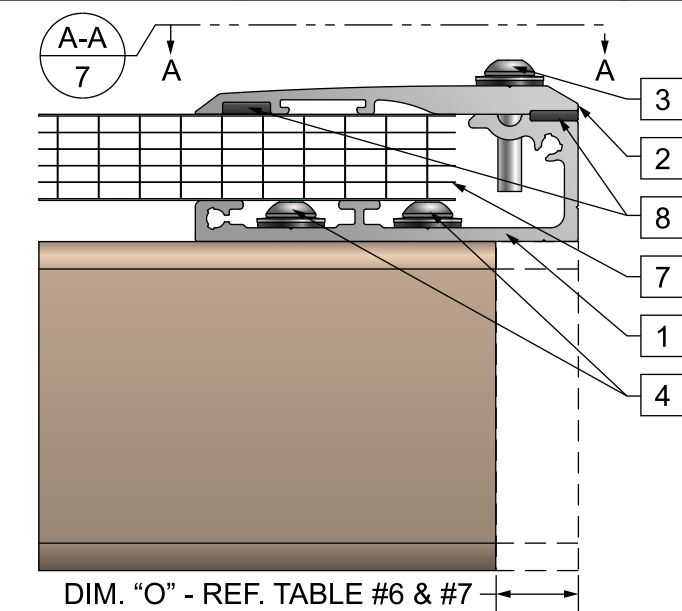
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REV. 2							
REV. 3							
REV. 4				PRJT. ENG.	DRW'G. DATE	TYPE CANOPY	DO NOT SCALE DRAWING
REV. 5				CHECKED	CHK. DATE	DETAILS SERIES 2500	ALL UNITS IN INCHES U.N.O.
REV. 6				PRJT. MGR.	PRJT. PHASE		SHEET 06 OF

SYSTEM COMPONENT KEY	
LABEL	COMPONENT DESCRIPTION
1	BC101 ALUM. EDGE BASE (PURLIN MOUNT) - SCREW QTY. AND MOUNTING LOCATIONS VARY BASED ON PURLIN - SEE DETAILS A-A/7 THRU C-C/7 (BELOW/RIGHT) AND TABLE #7 (BELOW)
2	PC102 ALUM. PRESSURE CAP - CONTINUOUS
3	#12 x 1" TORX TEK 3 SCREW WITH NEOPRENE WASHER (BI-METAL, MILL FINISH) LOCATED EVERY 12" O.C. (TYP.)
4	MOUNTING HARDWARE - (x4) LOCATED AT EACH PURLIN INTERSECTION - SEE STANDARD HARDWARE DETAILS TABLE #4 - SHEET 3
5	MOUNTING HARDWARE - (x2) ALIGNED WITH PURLIN AT EACH PURLIN - SEE STANDARD HARDWARE DETAILS TABLE #4 - SHEET 3
6	MOUNTING HARDWARE - (x2) PERPENDICULAR TO PURLIN AT EACH PURLIN - SEE STANDARD HARDWARE DETAILS TABLE #4 - SHEET 3
7	20mm BATTEN POLYCARB. STRUCTURED SHEET
8	TPV GASKET

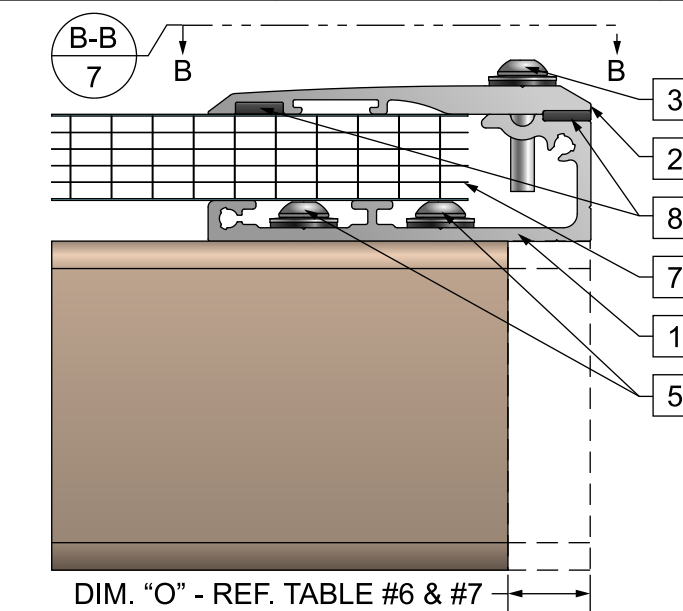
NOTE: LABELS SPECIFIC TO THIS PAGE ONLY

NOTE:
SLOPED END DETAILS ON THIS PAGE (S1/7 - S3/7) DESCRIBE THE STANDARD METHODS FOR BASE CHANNEL ATTACHMENT AT PERIODIC PURLIN LOCATIONS (WHERE CONTINUOUS ATTACHMENT IS NOT POSSIBLE). A SUPPLEMENTAL DETAIL PAGE WILL BE PROVIDED IF AN ALTERNATE MOUNTING METHOD IS REQUIRED FOR YOUR PROJECT.

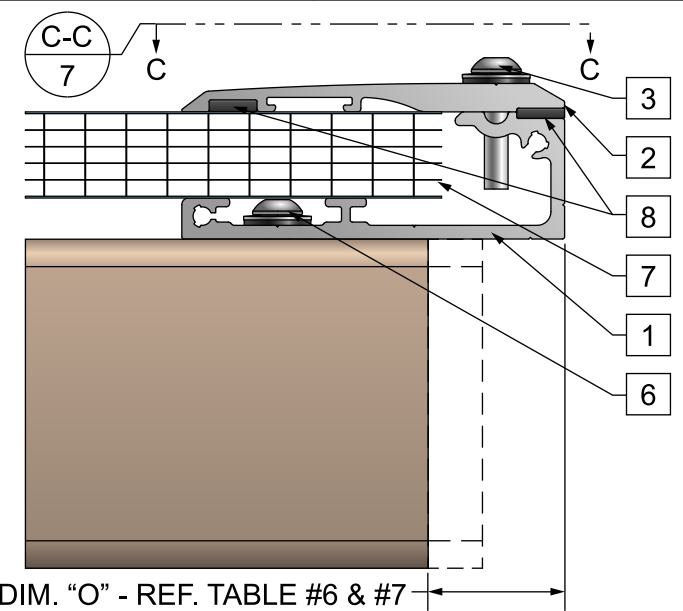
***THESE DETAILS ARE FOR REFERENCE ONLY. CONTACT DUO-GARD WITH ANY QUESTIONS OR CONCERNS REGARDING YOUR PROJECT.**



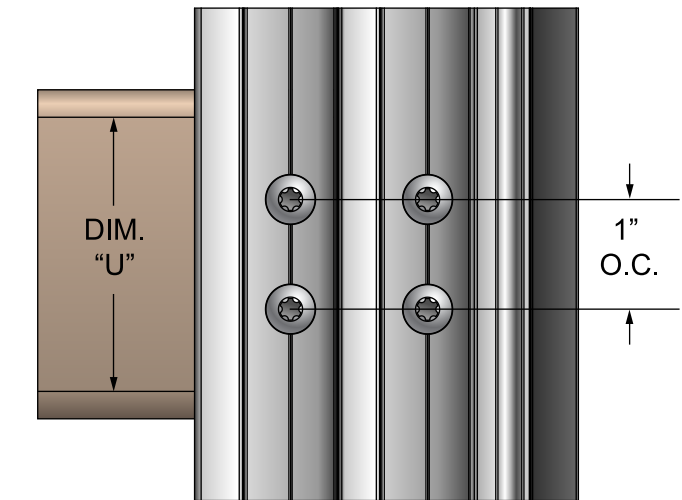
S1 7 PERIODIC PURLIN STANDARD DETAIL
REF. A/4, TABLE #6, AND TABLE #7



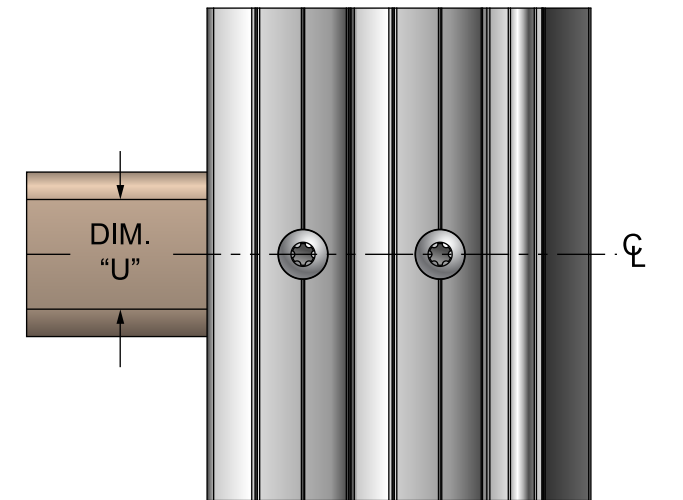
S2 7 PERIODIC PURLIN (NARROW) DETAIL
REF. A/4, TABLE #6, AND TABLE #7



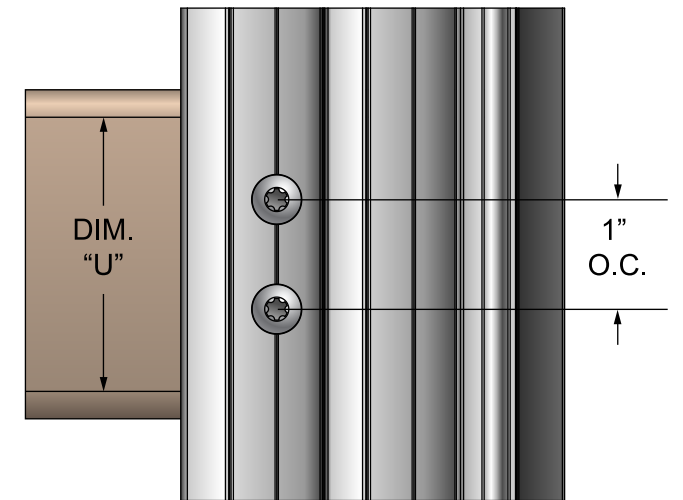
S3 7 PERIODIC PURLIN ALTERNATE DETAIL
REF. A/4, TABLE #6, AND TABLE #7



A-A 7 FASTENER LAYOUT - STANDARD DETAIL
REF. S1/7 - PCSS & PC102 REMOVED





B-B 7 FASTENER LAYOUT - NARROW DETAIL
REF. S2/7 - PCSS & PC102 REMOVED



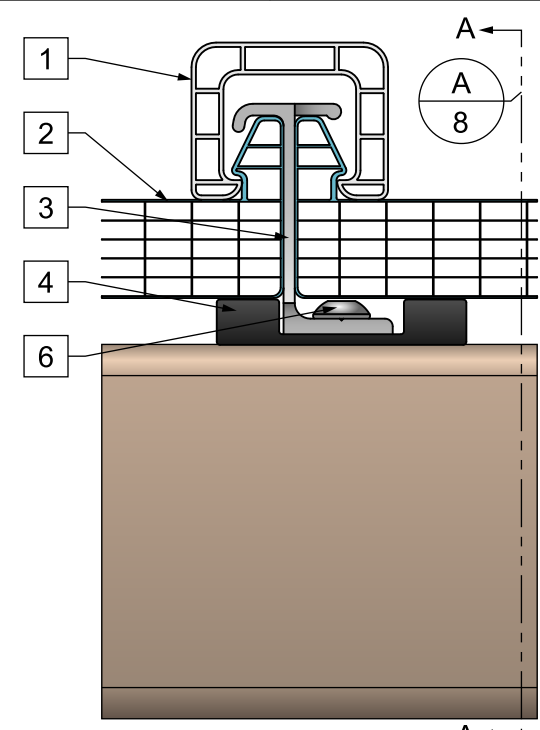
C-C 7 FASTENER LAYOUT - ALT. DETAIL
REF. S3/7 - PCSS & PC102 REMOVED

NOTE: ALL HOLES REQUIRED TO ATTACH BC101 TO INTERMEDIATE PURLINS WILL BE FIELD DRILLED BY THE INSTALLER

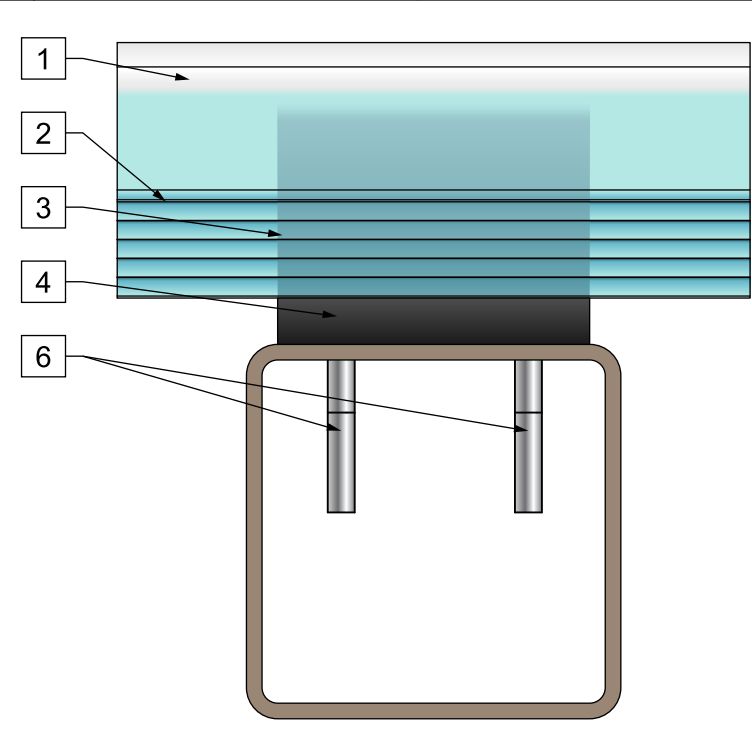
TABLE #7 - BC101/PURLIN MOUNTING INFORMATION - <i>FOR REFERENCE ONLY*</i>										
METHOD/NAME	DIM. “O” RANGE	DIM. “U” RANGE	APPLICATION DESCRIPTION			DIMENSION DEFINITIONS SHOWN ON THIS PAGE				
STANDARD	≤ 1”	≥ 1-3/4”	STANDARD MOUNTING METHOD UNLESS IMPOSSIBLE			<i>DIM. “O”</i> = THE OFFSET DISTANCE BETWEEN THE EXTERIOR FACES OF THE PURLIN AND BASE CHANNEL <i>DIM. “U”</i> = THE WIDTH DIMENSION OF THE USABLE FLAT SURFACE AREA ON TOP OF THE PURLIN (MORE DETAILS ON SHEET 8)				
NARROW	≤ 1”	1/2” < “U” ≤ 1-3/4”	ONLY WHEN DIM. “U” IS LESS THAN 1-3/4”							
ALTERNATE	1” < “O” ≤ 1-3/4”	≥ 1-3/4”	ONLY WHEN DIM. “O” EXCEEDS 3/4”							
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			REV. 1				PROJECT NUMBERDESCRIPTION (SHEET NAME):REV.			
			REV. 2							
			REV. 3							
			REV. 4				PRJT. ENG.	DRW'G. DATE	TYPECANOPY	DO NOT SCALE DRAWING
			REV. 5				CHECKED	CHK. DATE	DETAILSSERIES 2500	ALL UNITS IN INCHES U.N.C.
		REV. 6				PRJT. MGR.	PRJT. PHASE		SHEET 07 OF	
		SERIES 2500 STANDARD DRAWINGS								
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SYSTEM COMPONENT KEY	
LABEL	COMPONENT DESCRIPTION
1	POLYCARBONATE BATTEN CAP (CLEAR)
2	20mm BATTEN POLYCARB. STRUCTURED SHEET
3	20BTC ALUM. BATTEN CLIP (MILL FINISH)
4	20BTS TPV SEPARATOR (BLACK)
5	3" x 3" x 1/4" ALUM. ANGLE
6	MOUNTING SCREWS - (x2) ATTACH BATTEN CLIP & SEPARATOR TO PURLIN - SEE STANDARD HARDWARE DETAILS TABLE #4 - SHEET 3
7	MOUNTING HARDWARE - (x4) LOCATED ON VERTICAL LEG OF ANGLE - SEE STANDARD HARDWARE DETAILS TABLE #4 - SHEET 3
8	1/4" x 1" TRUSS HEAD SCREW (S/S, MILL FINISH)
9	1/4" LOCK WASHER (S/S, MILL FINISH)
10	1/4" HEX NUT (S/S, MILL FINISH)

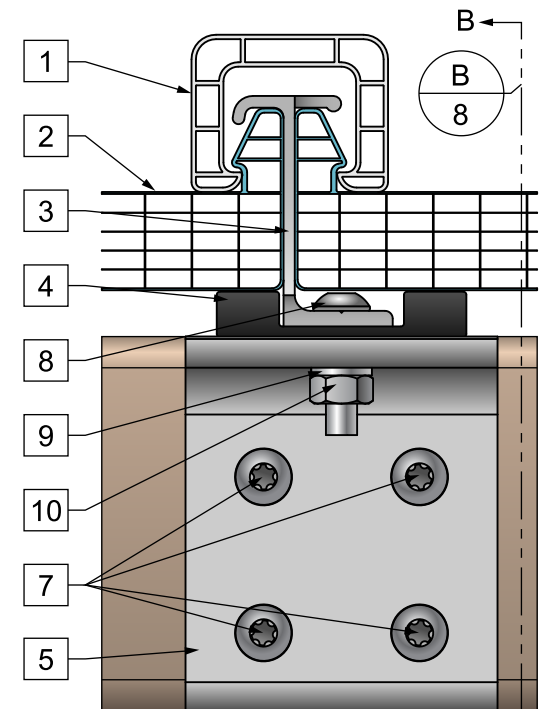
NOTE: LABELS SPECIFIC TO THIS PAGE ONLY



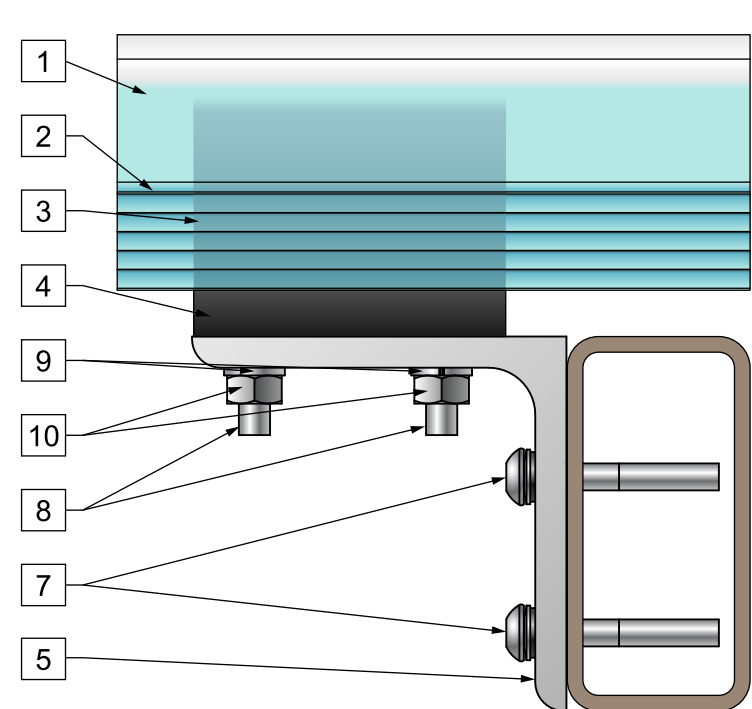
C1
8
STANDARD CLIP SECTION DETAIL
REF. A/4



A
8
STANDARD CLIP SIDE VIEW
REF. C1/8



C2
8
ALTERNATE CLIP SECTION DETAIL
REF. A/4



B
8
ALTERNATE CLIP SIDE VIEW
REF. C2/8

USABLE FLAT (DIM. "U") DEFINITION

- THE METHOD OF MOUNTING THE 20BTC BATTEN CLIP AND 20BTS SEPARATOR IS DETERMINED BY THE USABLE FLAT MOUNTING SURFACE ON THE PURLIN (DIM. "U").

- IN ORDER TO USE THE STANDARD METHOD OF MOUNTING THE CLIP, DUO-GARD REQUIRES THAT THE PURLIN HAS A MINIMUM OF 2-1/2" OF USABLE FLAT SURFACE (DIM. "U") FOR MOUNTING.

$\geq 2\text{-}1/2"$

STANDARD (C1/8)

$< 2\text{-}1/2"$

ALTERNATE (C2/8)

- THE USABLE FLAT IS DEFINED AS THE AMOUNT OF FLAT SURFACE ON THE TOP SIDE OF THE PURLIN IN THE PURLIN WIDTH DIMENSION.

- IF A PURLIN HAS RADIUS CORNERS, WHICH IS COMMON IN STRUCTURAL STEEL TUBING, THE USABLE FLAT DIMENSION EXCLUDES THE CORNER RADII. (SEE EXAMPLE BELOW)

USABLE FLAT

USABLE FLAT

- IF THE ALTERNATE METHOD OF MOUNTING THE CLIP IS REQUIRED, ADDITIONAL FEES MAY APPLY.

- IF THE PROJECT REQUIRES A JOB SPECIFIC DETAIL NOT COVERED ON THIS SHEET, A SUPPLEMENTAL SHEET WILL BE PROVIDED TO SHOW THE SPECIFIC DETAIL.

DUO-GARD
FORGE AHEAD.

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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.
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CHECKED	CHK. DATE	DETAILS SERIES 2500
PRJT. MGR.	PRJT. PHASE	

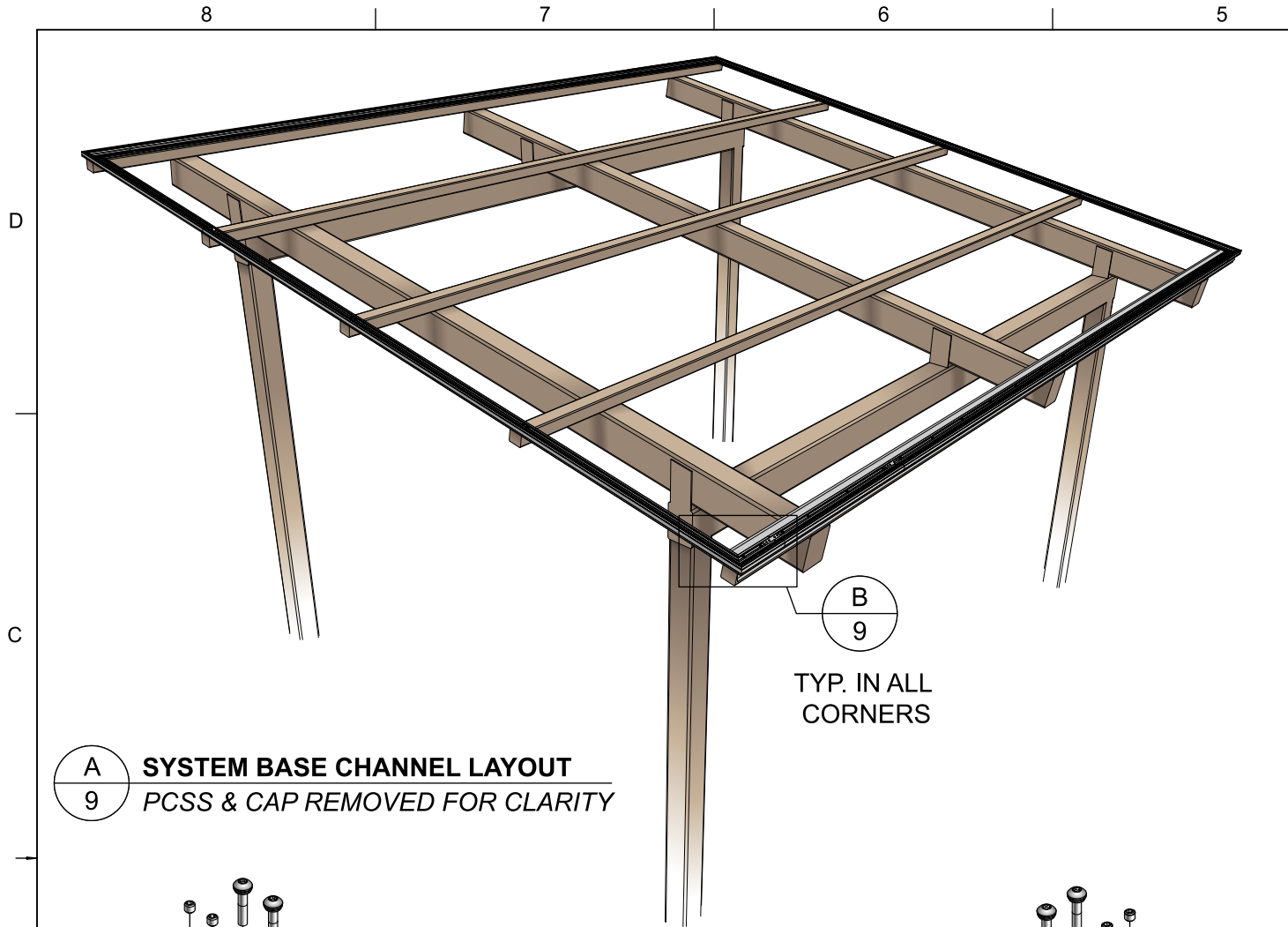
DO NOT SCALE DRAWING

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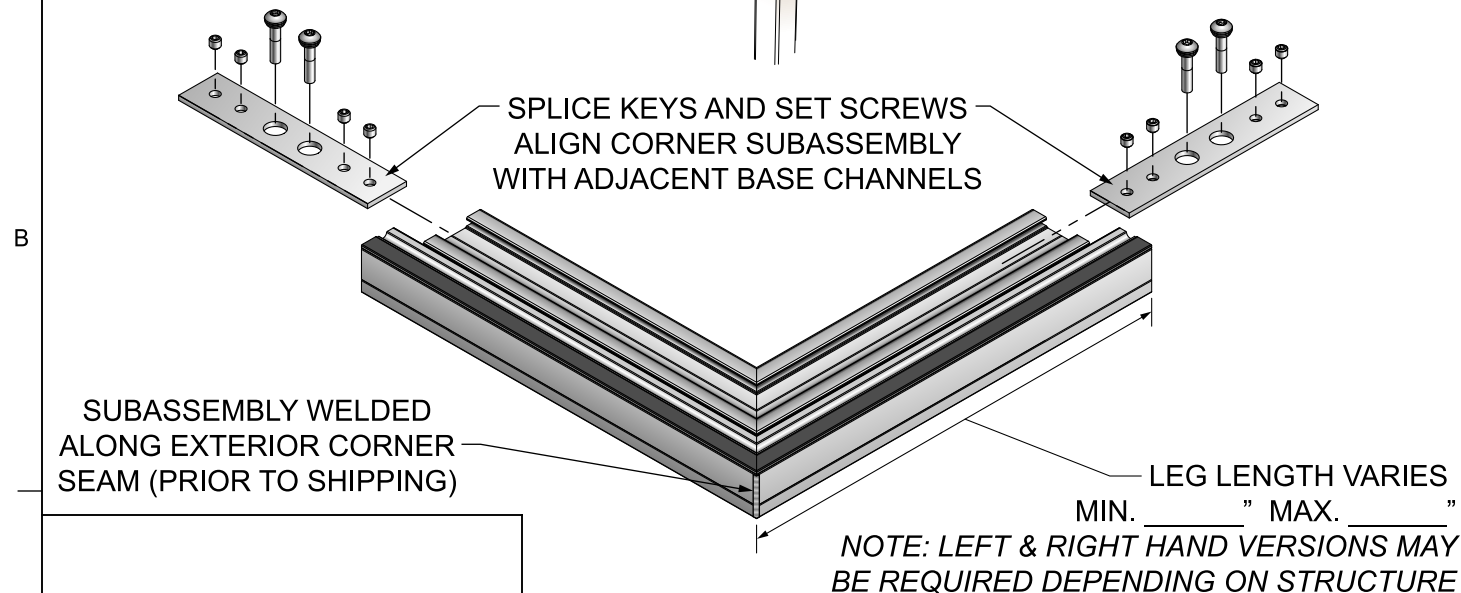
SHEET 08 OF

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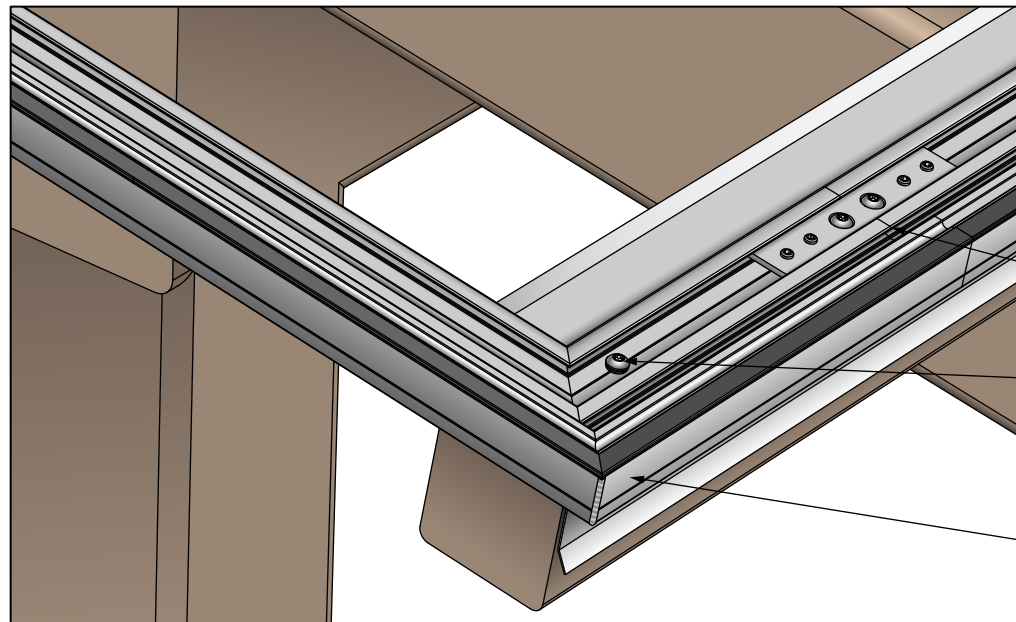
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A
9 **SYSTEM BASE CHANNEL LAYOUT**
PCSS & CAP REMOVED FOR CLARITY



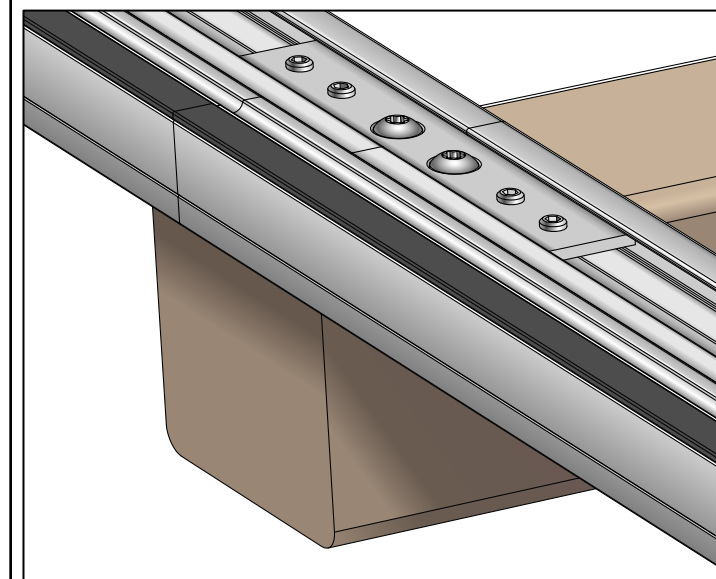
C
9 **BASE CHANNEL CORNER DETAIL**
TYP. IN ALL PERPENDICULAR CORNERS



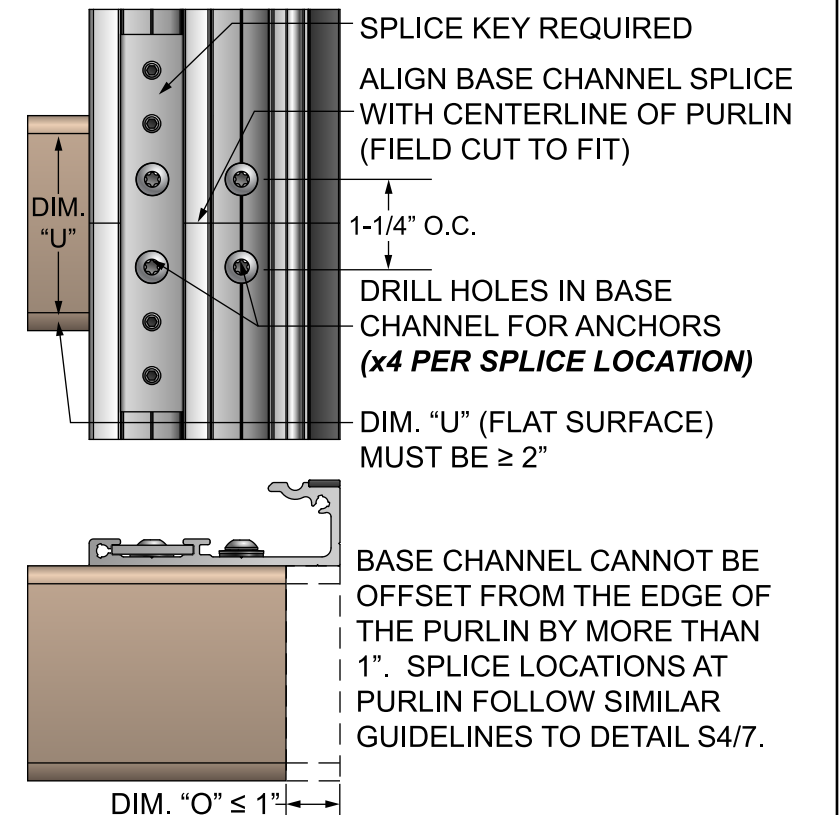
B
9 **BASE CHANNEL CORNER DETAIL**
TYP. IN ALL PERPENDICULAR CORNERS

BASE CHANNEL SPlice DETAIL @ PURLIN LOCATIONS (ALONG SLOPE)

LARGER PROJECTS MAY REQUIRE A SPlice AT PURLIN LOCATIONS (ALONG THE SLOPE). BASE CHANNEL TO BE FIELD CUT AT PURLINS.



D
9 **BASE CHANNEL SPlice AT PURLIN**
TYP. WHEN SPlice IS REQUIRED AT PURLIN



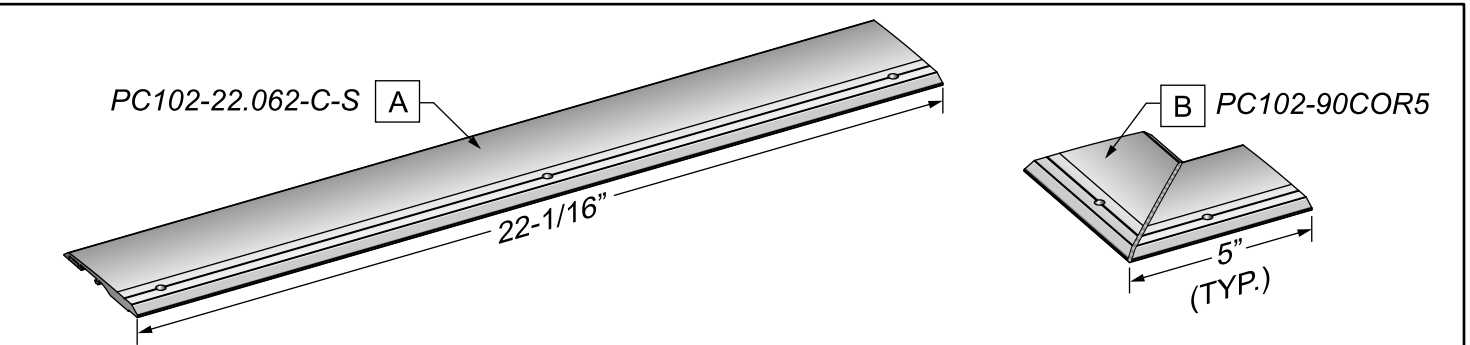
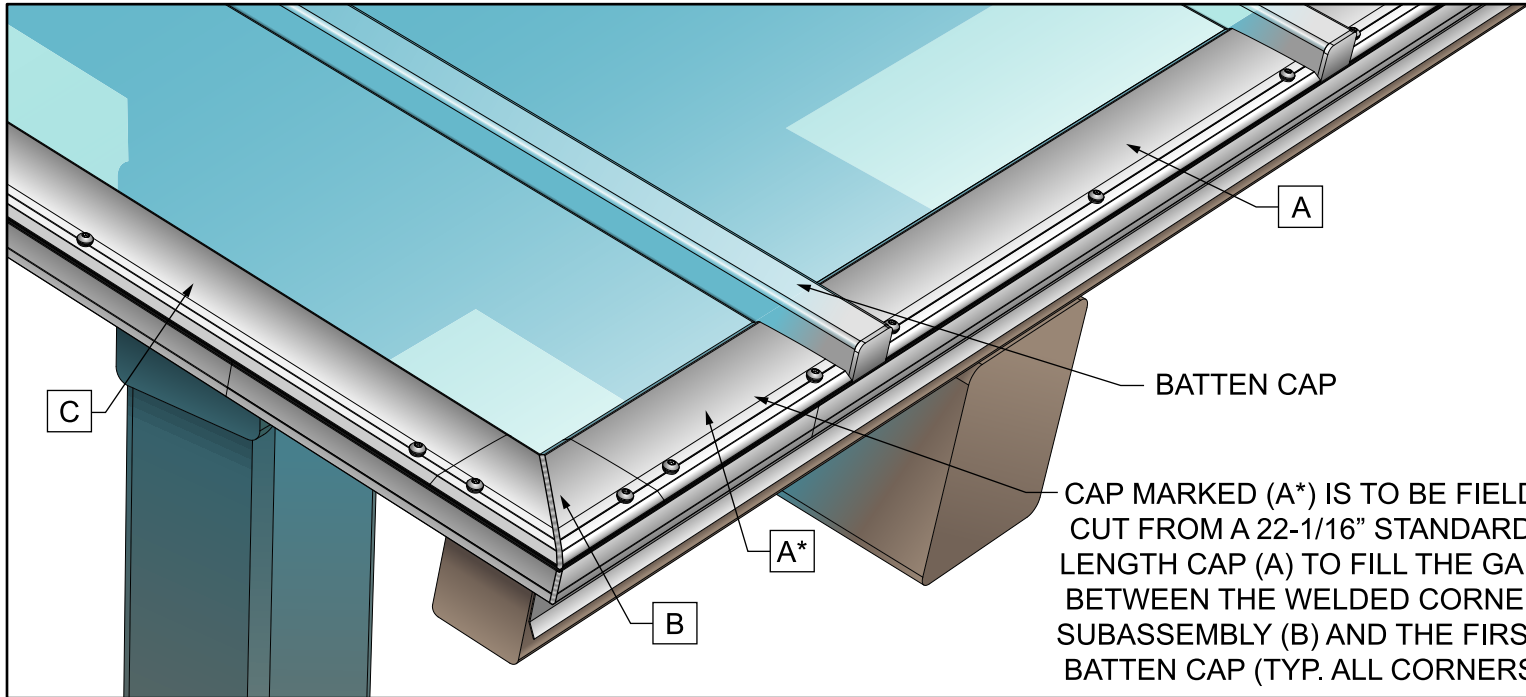
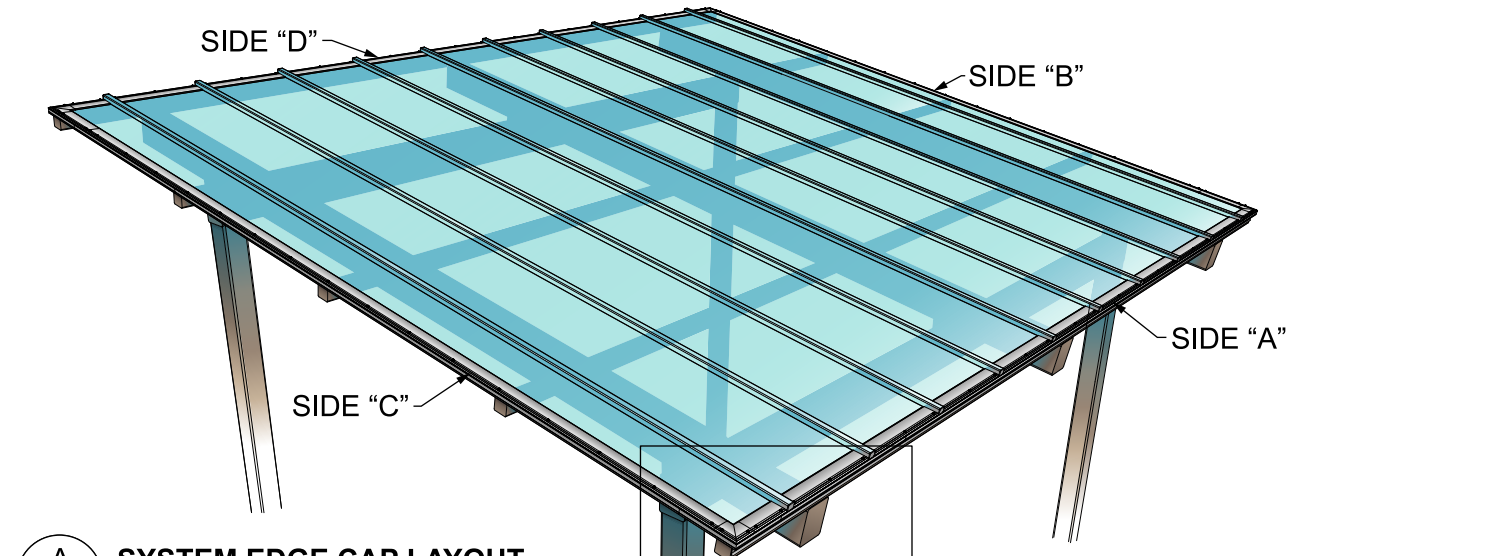
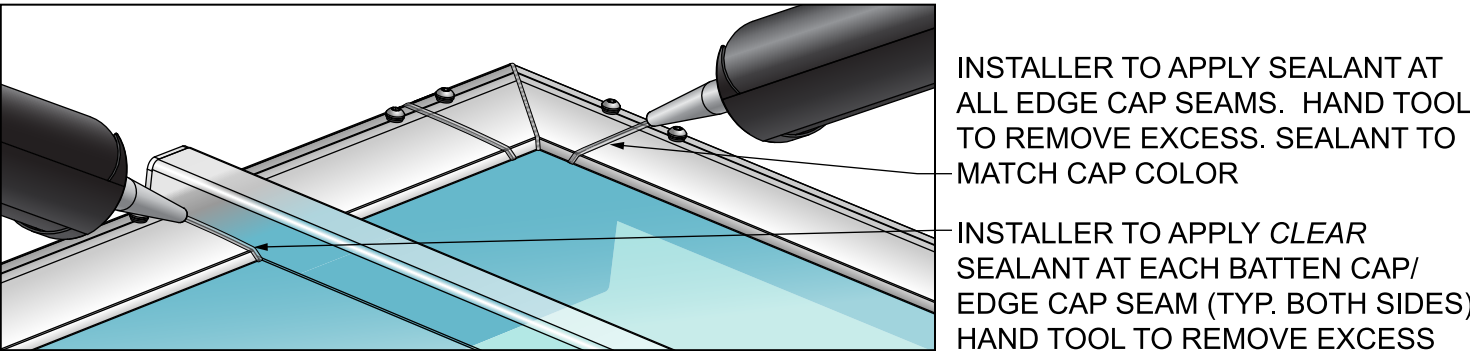


TABLE #8 - PC102 EDGE CAP TYPES				
CAP	DESCRIPTION	ITEM CODE	FINISHED LENGTH	FIELD PREP?
A	STANDARD LENGTH CAP	PC102-22.062-C-S	22-1/16"	NO
A*	FILLER CUT FROM STD. CAP	PC102-22.062-C-S	VARIES - CUT TO FIT	YES
B	STANDARD WELDED CORNER	PC102-90COR5	5"	NO
C	LENGTH OF EDGE CAP "C" (PARALLEL TO SLOPE) WILL VARY DEPENDING ON THE OVERALL LENGTH OF THOSE ENDS. DGI TO CHECK THIS BOX IF FIELD CUT/PREP. IS REQ'D →			

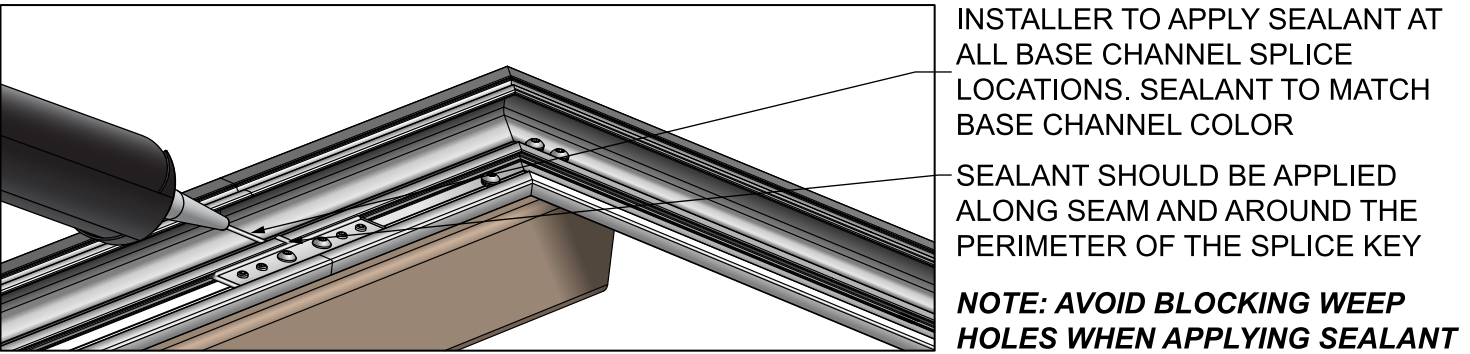
B **EDGE CAP CORNER DETAIL**
10 TYP. IN ALL CORNERS



A **SYSTEM EDGE CAP LAYOUT**
10 REF. A/4 FOR SIDE LABELS



D **EDGE CAP SEALANT DETAILS**
10 TYP. IN ALL LOCATIONS



C **BASE CHANNEL SEALANT DETAILS**
10 TYP. IN ALL LOCATIONS - PCSS & CAP REMOVED FOR CLARITY

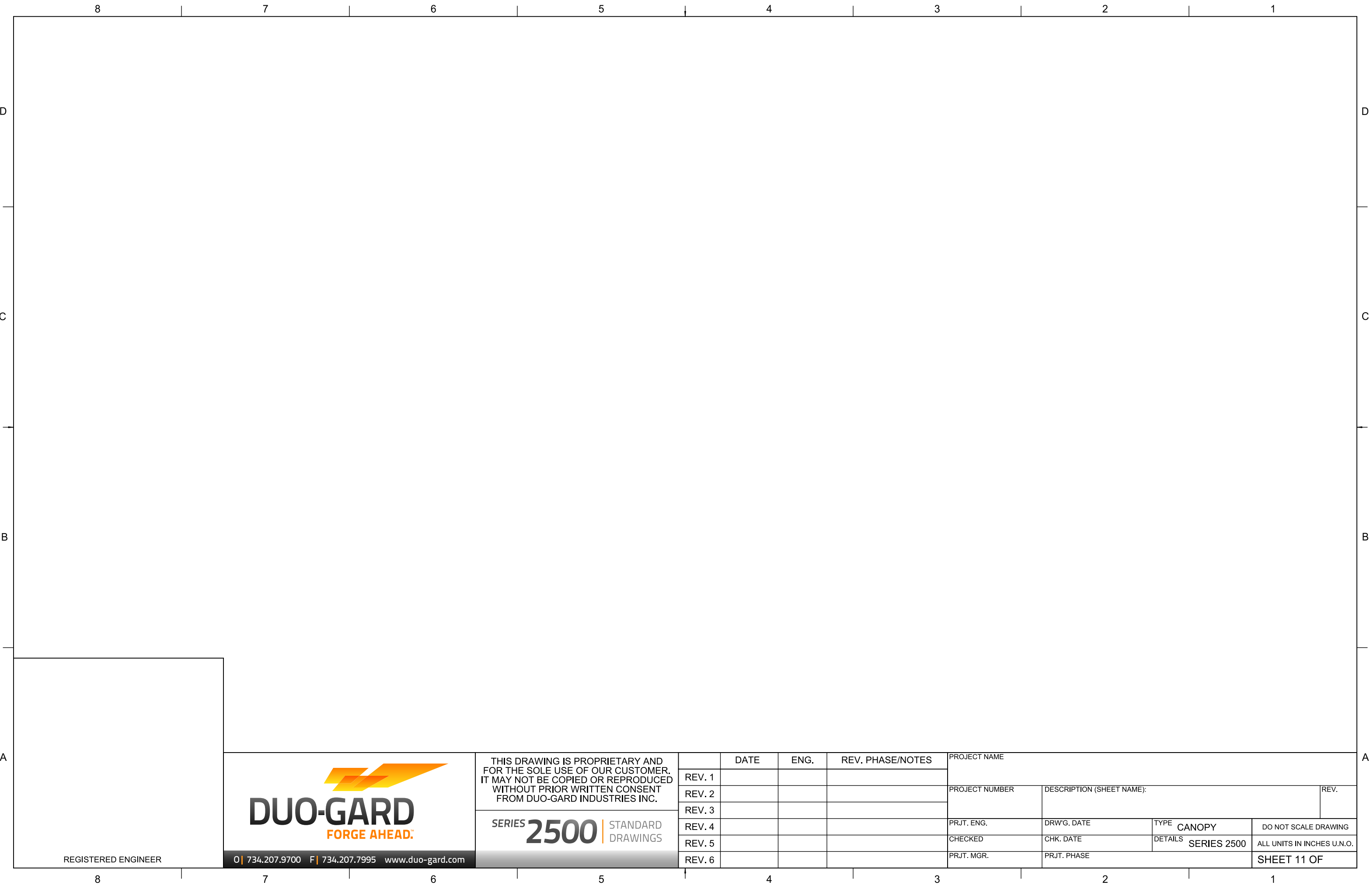
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REV. 1						
REV. 2						
REV. 3						
REV. 4						
REV. 5						
REV. 6						

PROJECT NUMBER	DESCRIPTION (SHEET NAME):		REV.
	Glazing Details 2		
PRJT. ENG.	DRW'G. DATE	TYPE CANOPY	DO NOT SCALE DRAWING
CHECKED	CHK. DATE	DETAILS SERIES 2500	ALL UNITS IN INCHES U.N.O.
PRJT. MGR.	PRJT. PHASE	SHEET 10 OF	



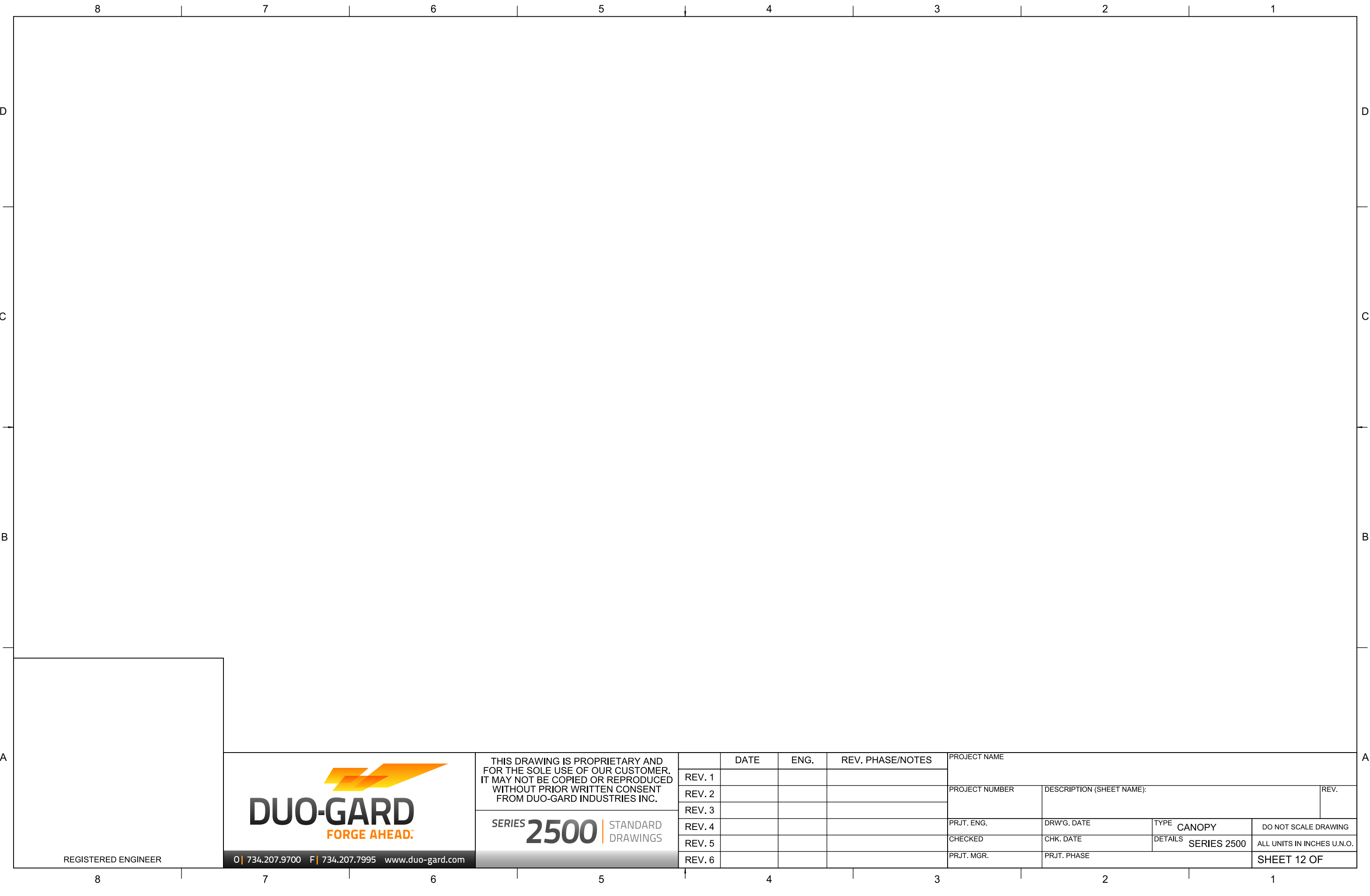
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	DATE	ENG.	REV. PHASE/NOTES	PROJECT NAME		
REV. 1				PROJECT NUMBERDESCRIPTION (SHEET NAME):REV.		
REV. 2						
REV. 3						
REV. 4				PRJT. ENG.	DRW'G. DATE	TYPE CANOPYDO NOT SCALE DRAWING
REV. 5				CHECKED	CHK. DATE	DETAILS SERIES 2500ALL UNITS IN INCHES U.N.O.
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						SHEET 11 OF



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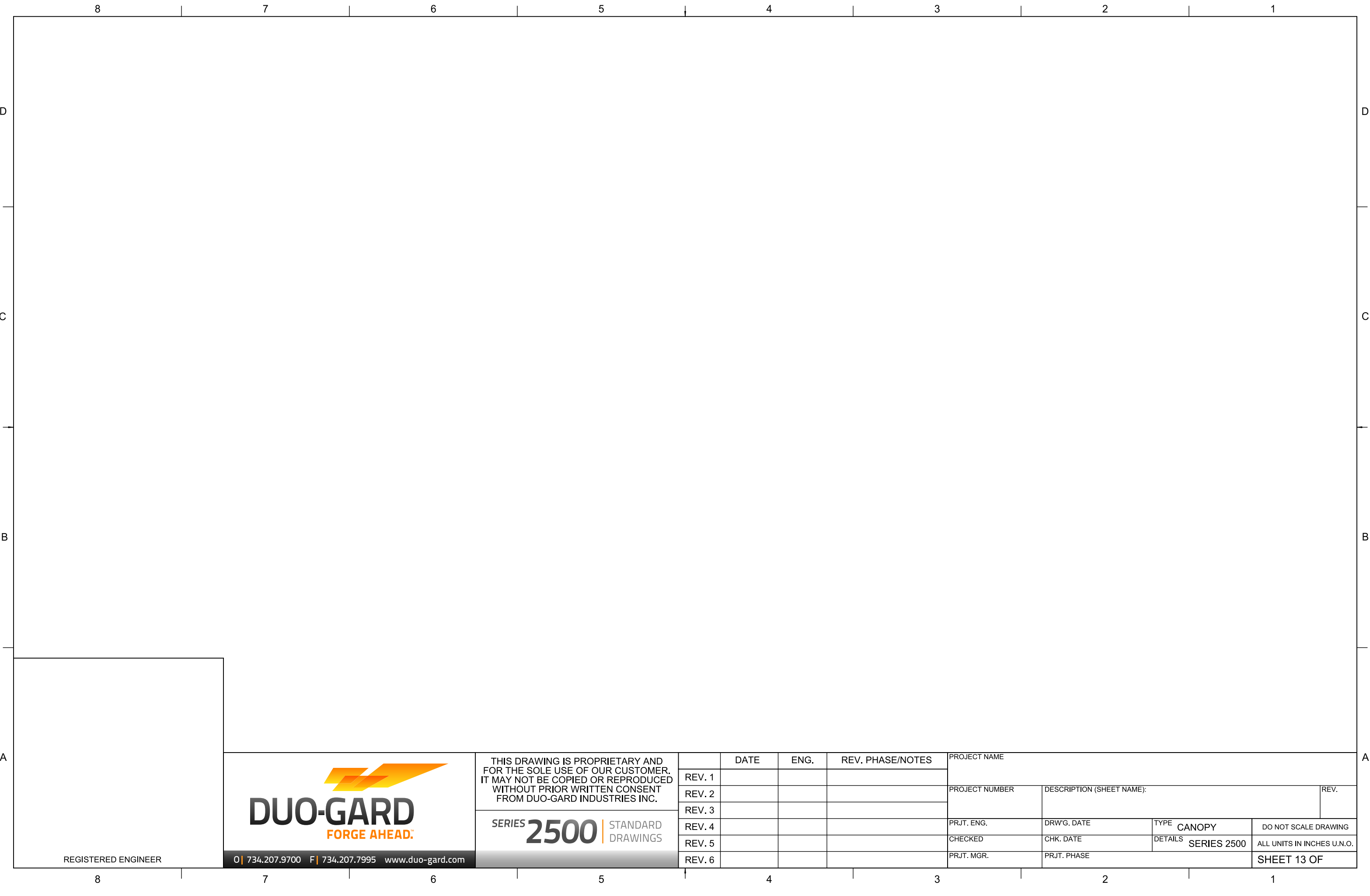


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	DATE	ENG.	REV. PHASE/NOTES	PROJECT NAME		
REV. 1				PROJECT NUMBERDESCRIPTION (SHEET NAME):REV.		
REV. 2						
REV. 3						
REV. 4				PRJT. ENG.	DRW'G. DATE	TYPE CANOPYDO NOT SCALE DRAWING
REV. 5				CHECKED	CHK. DATE	DETAILS SERIES 2500ALL UNITS IN INCHES U.N.O.
REV. 6				PRJT. MGR.	PRJT. PHASE	
						SHEET 12 OF



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REV. 2						
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REV. 4				PRJT. ENG.	DRW'G. DATE	TYPE CANOPY
REV. 5				CHECKED	CHK. DATE	DETAILS SERIES 2500
REV. 6				PRJT. MGR.	PRJT. PHASE	DO NOT SCALE DRAWING ALL UNITS IN INCHES U.N.O.
						SHEET 13 OF