NOTES:
THE EXAMPLE LAYOUT AND CORRESPONDING BOM SHOWN ARE MEANT TO BE USED AS REFERENCE POINTS WHEN SPECIFYING A DESIGNFLEX SYSTEM.
IF YOU PLAN TO USE THE EXACT LAYOUT SHOWN, OR ANY VARIATION THEREOF, CONSIDER THE FOLLOWING NOTES:

1) DRAWING DETAILS SHOW A CEILING PLAN VIEW WHICH IS FROM A PLENUM POSITION LOOKING DOWN ONTO THE BACKSIDE OF THE CEILING SYSTEM. BOM LISTS DESCRIPTIONS THAT COORDINATE WITH THE DATA PAGES, AND THESE ITEM DESCRIPTIONS ARE BASED ON VIEWING THE FACE OF THE PRODUCTS.

2) ANGLE BRACKETS AND CORNER BRACKETS ARE INSTALLED AT STANDARD 6" OC ROUTE HOLE INCREMENTS ALONG THE MAIN BEAMS - ALL MAIN BEAMS ARE INSTALLED WITH ALIGNED ROUTE HOLES.

3) ANGLE BRACKETS USED WITHIN LAYOUTS HAVE SCREWS, WASHERS, AND NUTS INCLUDED WITH THEM FOR FASTENING TO MAIN BEAMS. IF CORNER BRACKETS ARE USED IN THE SYSTEM THEY WILL REQUIRE SCREWS THAT ARE NOT INCLUDED AND NEED TO BE SUPPLIED BY OTHERS.

4) SCREWS, RIVETS, AND OTHER GENERAL FASTENERS THAT ARE NOT INCLUDED IN BOM OR IN DETAILS BELOW, NEED TO BE SUPPLIED BY OTHERS. REFER TO INSTALLATION INSTRUCTIONS FOR DETAILS ON REQUIRED FASTENERS.

5) HANGER WIRE LOCATIONS SHOWN BELOW ARE ONLY SUGGESTIONS BASED ON EXAMPLE LAYOUT AND CAN BE MOVED IN ACCORDANCE WITH FOLLOWING REQUIREMENT - HANGER WIRES ARE REQUIRED ALONG MAINS WITHIN 24" OF THE WALL AND NO MORE THAN 48" O.C THEREAFTER.

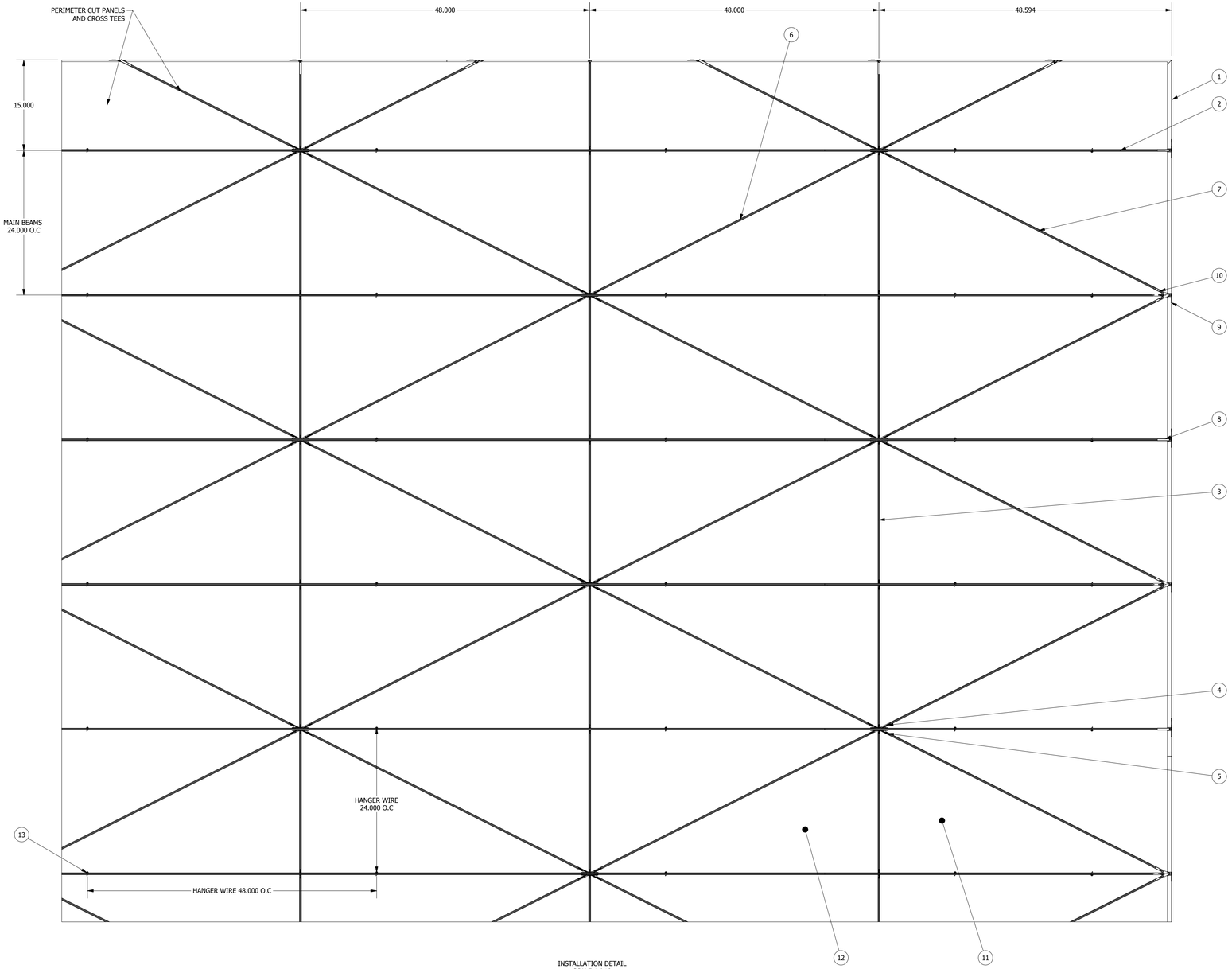
6) CONDITIONS SHOWN ARE FOR NON-SEISMIC INSTALLATIONS (SEISMIC DESIGN CATEGORY A,B) - REFERENCE INSTALLATION INSTRUCTIONS FOR CONSIDERATIONS AND REQUIREMENTS FOR SEISMIC INSTALLATIONS.

7) DETAILS BELOW AND BOM ARE SUBJECT TO CHANGES AT THE PERIMETER BASED ON THE LAYOUT (LINEAR FEET OF PERIMETER, FULL SIZE VS. CUT PANELS, BORDER PANEL INSTALLATION METHOD).

8) 7800 WALL ANGLE PERIMETER SHOWN BELOW. REFERENCE INSTALLATION INSTRUCTIONS FOR DETAILS ON ALTERNATIVE PERIMETER SOLUTIONS.

9) BOM DOES NOT ACCOUNT FOR THE USE OF SCRAP OR EXCESS MATERIAL CUT FROM OTHER ITEMS.

10) REFER TO MASTER PARTS SHEET, PANEL SHEET, AND INSTALLATION INSTRUCTIONS ILLUSTRATIONS SHEET FOR SPECIFIC DETAIL VIEWS AND DIAGRAMS OF ALL PARTS AND PIECES LISTED IN BOM.



INSTALLATION DETAIL
SCALE 1 / 10

SH-0010-2 BILL OF MATERIALS			
ITEM	QTY	STOCK NUMBER	DESCRIPTION
1	16	7800	Angle Molding
2	76	7500/7501	12' ID/HD Suprafine Main Beam
3	180	XL7520	2' Suprafine Cross Tee
4	172	75CB60L	Suprafine 60 Deg. Left Corner Bracket
5	172	75CB60R	Suprafine 60 Deg. Right Corner Bracket
6	160	XM756048	Suprafine 60 Deg. Cross Tee - 48in MBS
7	40	XM7548	Suprafine Perimeter Cross Tee - 48in MBS
8	50	BERC2	2" Beam End Retaining Clip
9	36	XTAC	Cross Tee Adapter Clip
10	54	PAC	Perimeter Angle Clip
11	200	100007	Lyra 9/16" Square Tegular - 60 Deg. 48 in Base Right Rt. Triangle
12	200	100006	Lyra 9/16" Square Tegular - 60 Deg. 48 in Base Left Rt. Triangle
13	209	7891	12 Gauge Hanger Wire (Qty. = number of min. hanging point locations)

EXAMPLE LAYOUT AND BOM SHOWN WITH LYRA PANELS AND SUPRAFINE SUSPENSION SYSTEM

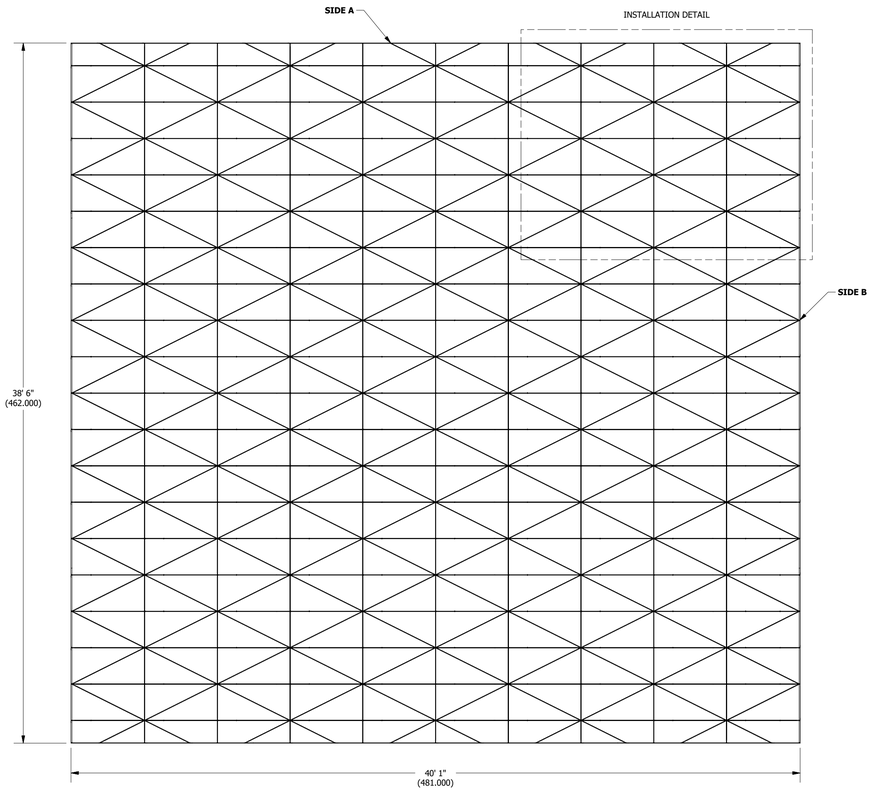
PANEL PRODUCT FAMILIES COMPATIBLE WITH THIS LAYOUT:
LYRA, OPTIMA, CALLA, AND ULTIMA

SUSPENSION SYSTEMS COMPATABLE WITH THIS LAYOUT:
SUPRAFINE ID/HD

SIDE A - REPRESENTS A BORDER CONDITION UTILIZING A SINGLE GRID MEMBER CONNECTION TO THE PERIMETER

SIDE B - REPRESENTS A BORDER CONDITION UTILIZING MULTIPLE GRID MEMBER CONNECTION TO THE PERIMETER

REFERENCE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS ON HOW THESE BORDER CONDITIONS ARE INSTALLED

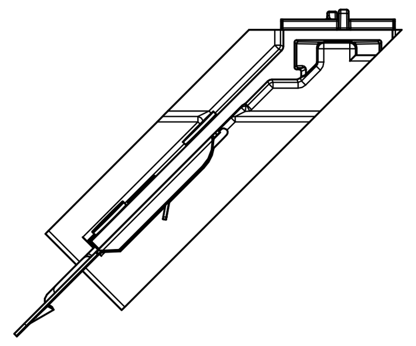


CEILING PLAN VIEW
SCALE 1 / 50

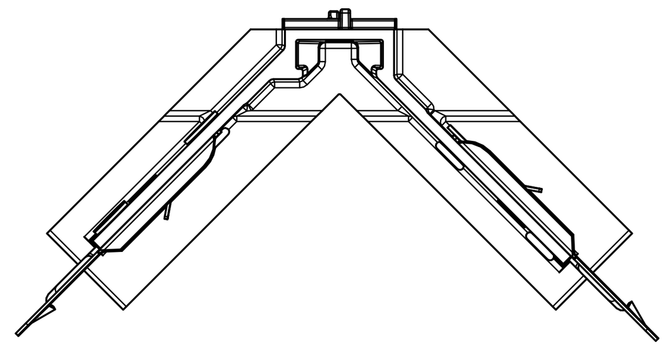
Armstrong CEILING & WALL SOLUTIONS

DESIGNFLEX SH-0010-2

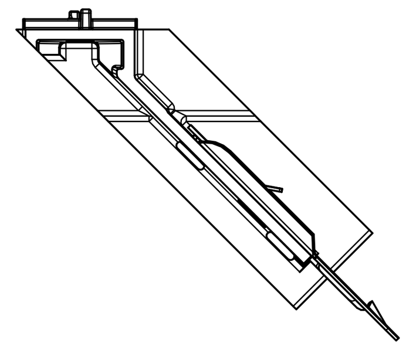
DRAWN BY: NJF | DATE: 10/2/2018 | PD



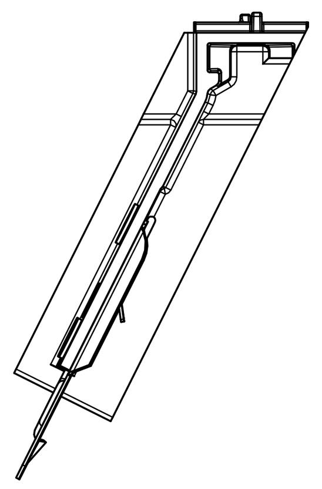
BP75AB45L Suprafine
45° Left Angle Bracket



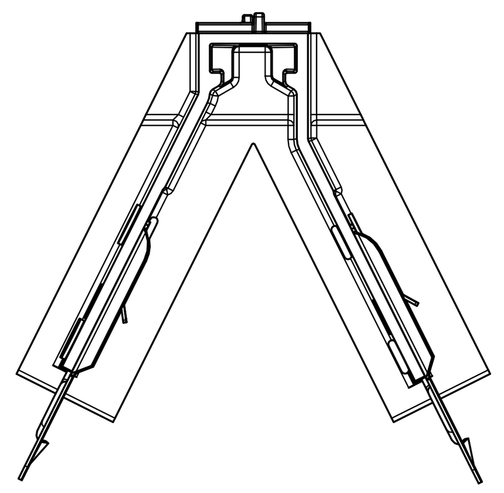
BP75AB45D Suprafine
45° Double Angle Bracket



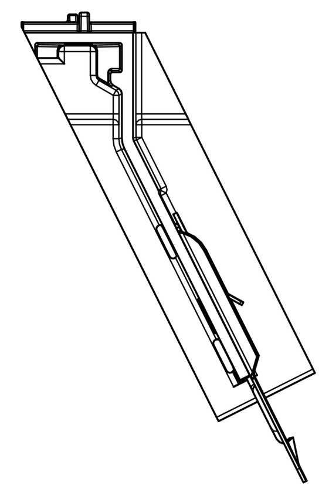
BP75AB45R Suprafine
45° Right Angle Bracket



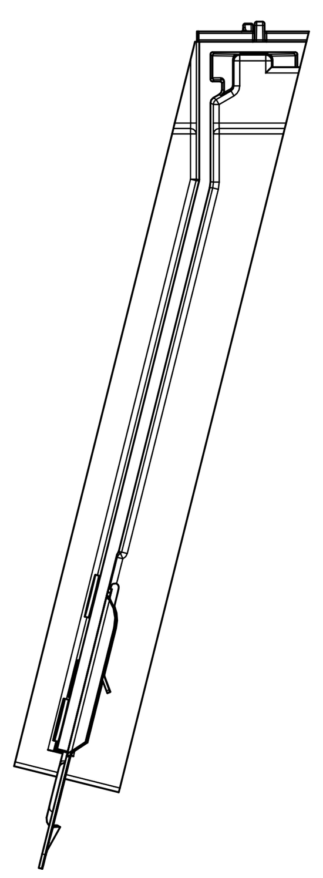
BP75AB60L Suprafine
60° Left Angle Bracket



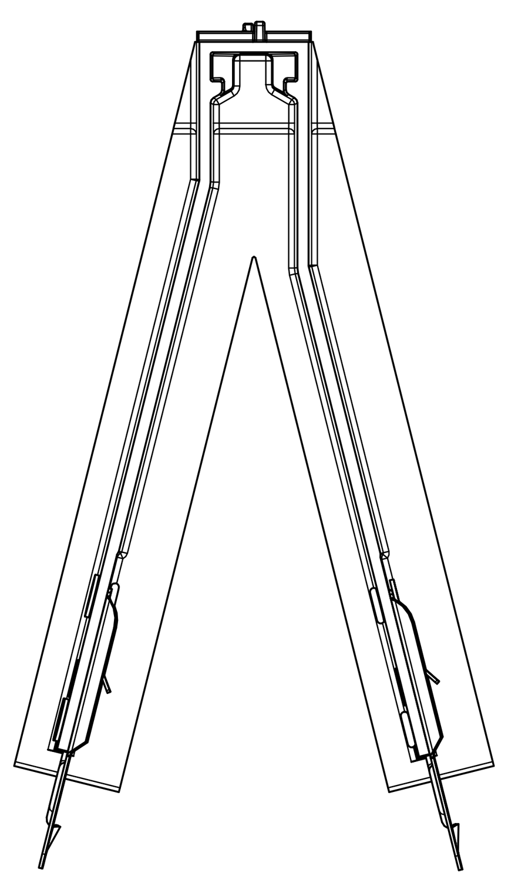
BP75AB60D Suprafine
60° Double Angle Bracket



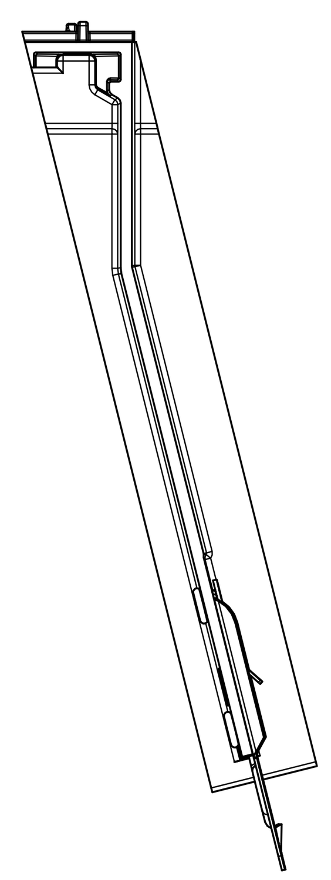
BP75AB60R Suprafine
60° Right Angle Bracket



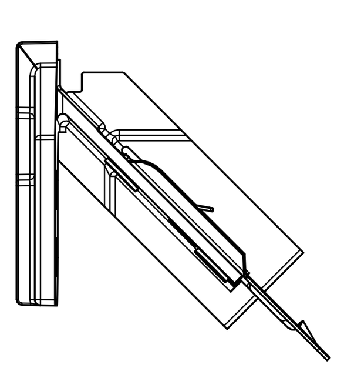
BP75AB75L Suprafine
75° Left Angle Bracket



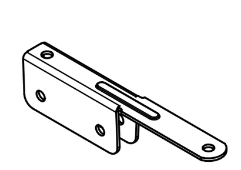
BP75AB75D Suprafine
75° Double Angle Bracket



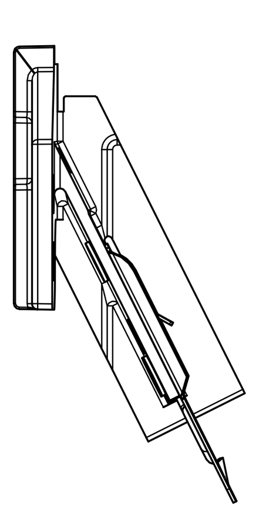
BP75AB75R Suprafine
75° Right Angle Bracket



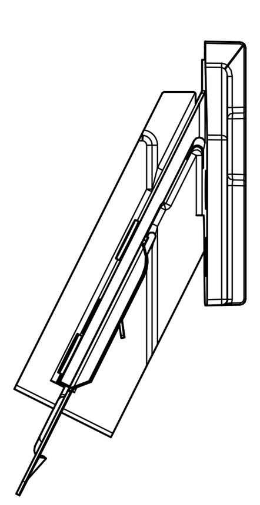
BP75CB45 Suprafine
45° Corner Bracket



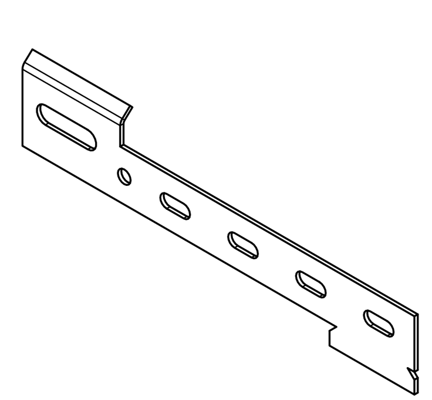
BPPAC
Perimeter Angle Clip
SCALE 1 / 2



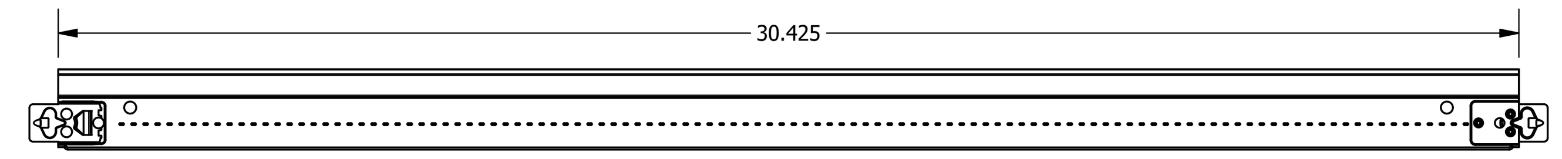
BP75CB60L Suprafine
60° Left Corner Bracket



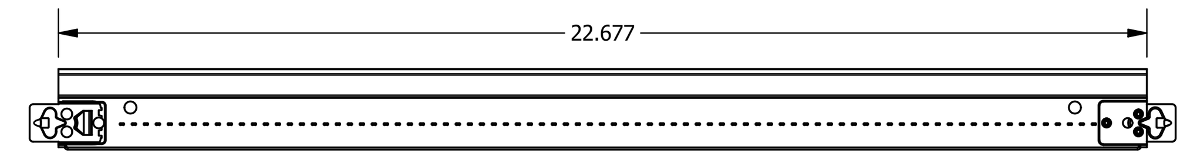
BP75CB60R Suprafine
60° Right Corner Bracket



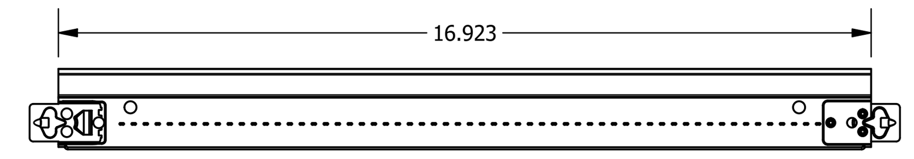
BPPCC
Axiom Perimeter Corner Clip
SCALE 1 / 2



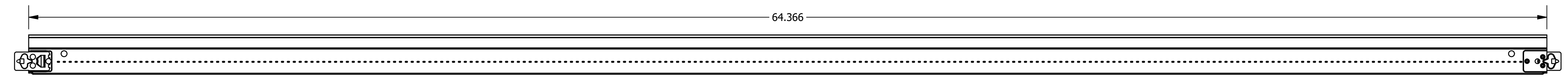
BPXM754524 Suprafine
45° Cross Tee - 24" MBS
SCALE 1 / 4



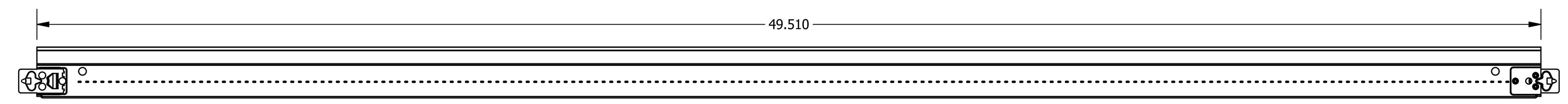
BPXM756024 Suprafine
60° Cross Tee - 24" MBS
SCALE 1 / 4



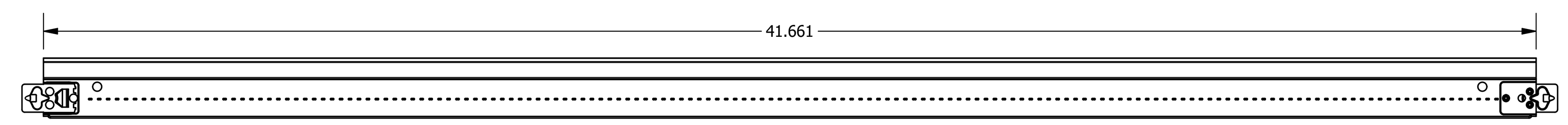
BPXM757524 Suprafine
75° Cross Tee - 24" MBS
SCALE 1 / 4



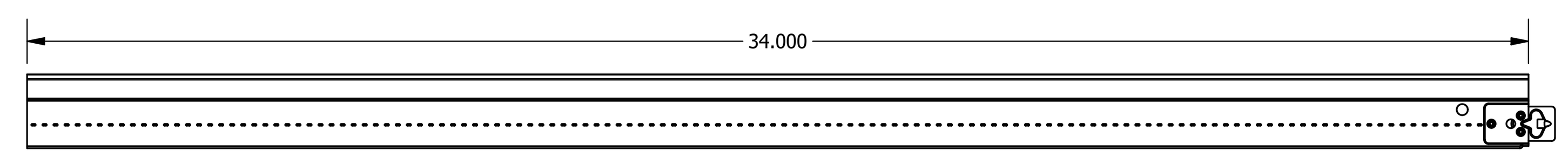
BPXM754548 Suprafine
45° Cross Tee - 48" MBS
SCALE 1 / 4



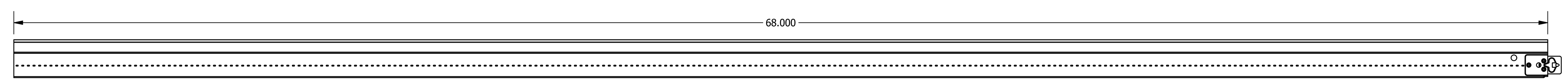
BPXM756048 Suprafine
60° Cross Tee - 48" MBS
SCALE 1 / 4



BPXM757548 Suprafine
75° Cross Tee - 48" MBS
SCALE 1 / 4



BPXM7524 Suprafine
Perimeter Cross Tee - 24" MBS
SCALE 1 / 4



BPXM7548 Suprafine
Perimeter Cross Tee - 48" MBS
SCALE 1 / 4

Armstrong®
CEILING & WALL SOLUTIONS

PROJECT:
DesignFlex Shapes Components

DRAWN BY:
KAPlace

SCALE:
-

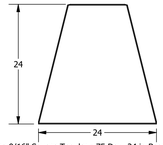
DATE:
8/5/2020

PD

Lyra 9/16" Square Tegular - 75 Deg. 12 in Base Triangle
100004

Lyra 9/16" Square Tegular - 75 Deg. 12 in Base Right Parallelogram
100020

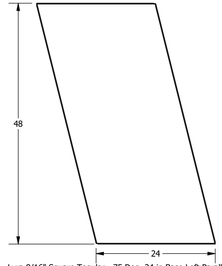
Lyra 9/16" Square Tegular - 75 Deg. 12 in Base Left Parallelogram
100021



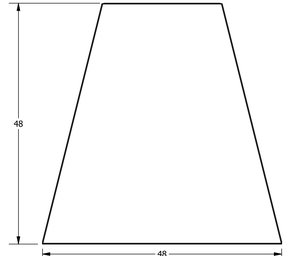
Lyra 9/16" Square Tegular - 75 Deg. 24 in Base Trapezoid
100012

Lyra 9/16" Square Tegular - 75 Deg. 24 in Base Triangle
100005

Lyra 9/16" Square Tegular - 75 Deg. 24 in Base Right Parallelogram
100022



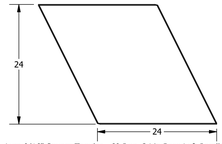
Lyra 9/16" Square Tegular - 75 Deg. 24 in Base Left Parallelogram
100023



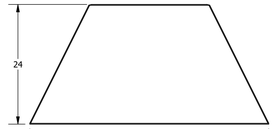
Lyra 9/16" Square Tegular - 75 Deg. 48 in Base Trapezoid
100013

Lyra 9/16" Square Tegular - 60 Deg. 24 in Base Triangle
100002

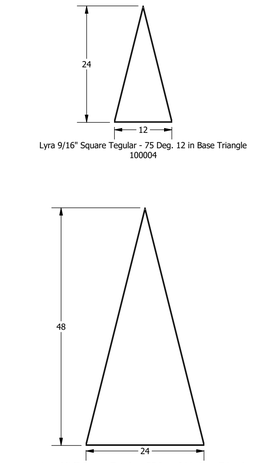
Lyra 9/16" Square Tegular - 60 Deg. 24 in Base Right Parallelogram
100016



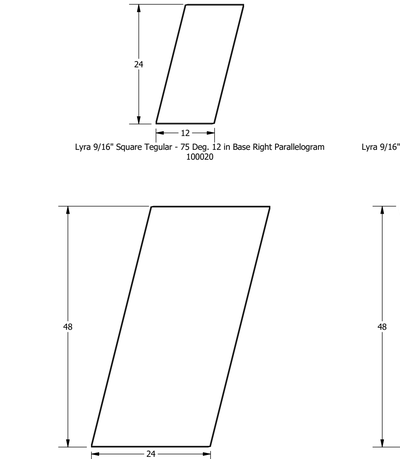
Lyra 9/16" Square Tegular - 60 Deg. 24 in Base Left Parallelogram
100017



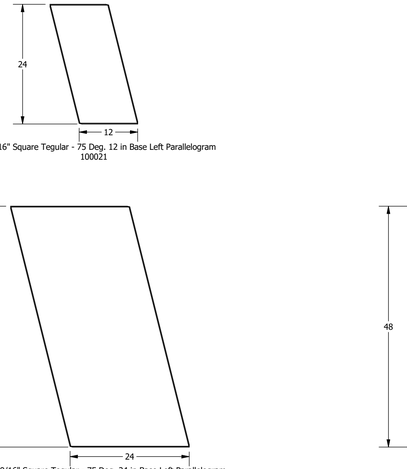
Lyra 9/16" Square Tegular - 60 Deg. 48 in Base Trapezoid
100011



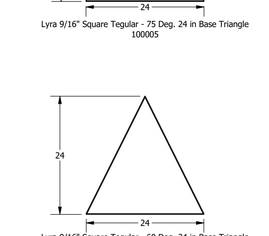
Lyra 9/16" Square Tegular - 60 Deg. 48 in Base Triangle
100003



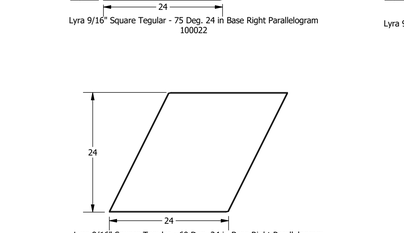
Lyra 9/16" Square Tegular - 60 Deg. 48 in Base Right Parallelogram
100018



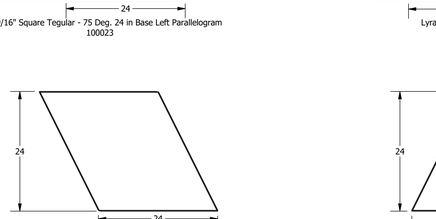
Lyra 9/16" Square Tegular - 60 Deg. 48 in Base Left Parallelogram
100019



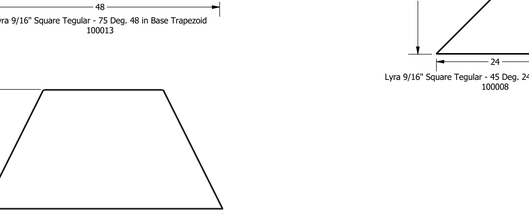
Lyra 9/16" Square Tegular - 45 Deg. 48 in Base Triangle
100001



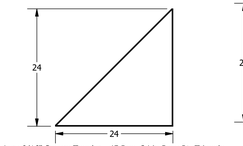
Lyra 9/16" Square Tegular - 45 Deg. 48 in Base Right Parallelogram
100014



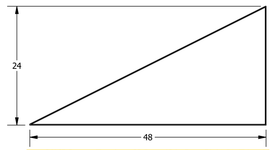
Lyra 9/16" Square Tegular - 45 Deg. 48 in Base Left Parallelogram
100015



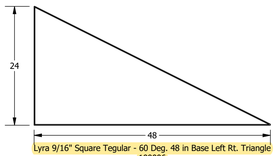
Lyra 9/16" Square Tegular - 45 Deg. 96 in Base Trapezoid
100010



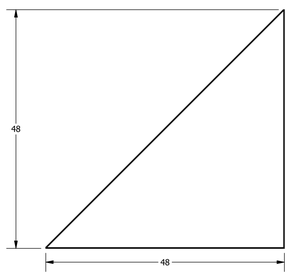
Lyra 9/16" Square Tegular - 45 Deg. 24 in Base Rt. Triangle
100008



Lyra 9/16" Square Tegular - 60 Deg. 48 in Base Right Rt. Triangle
100007



Lyra 9/16" Square Tegular - 60 Deg. 48 in Base Left Rt. Triangle
100006

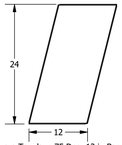


Lyra 9/16" Square Tegular - 45 Deg. 48 in Base Rt. Triangle
100009

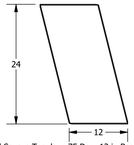
NOTES:
1. Views are from the face of the panel, and descriptions are based on these views
2. Dimensions are nominal and reflect grid spacings
3. Scale 1:15

Armstrong CEILING & WALL SOLUTIONS	DesignFlex - Panels Lyra Shapes	DRAWN BY: KAP	DATE: 8/5/2020	PD

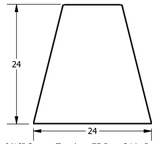
Calla 9/16" Square Tegular - 75 Deg. 12 in Base Triangle
100103



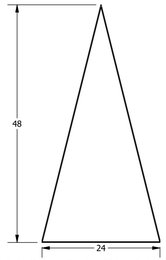
Calla 9/16" Square Tegular - 75 Deg. 12 in Base Right Parallelogram
100116



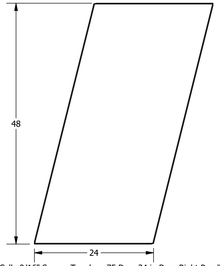
Calla 9/16" Square Tegular - 75 Deg. 12 in Base Left Parallelogram
100117



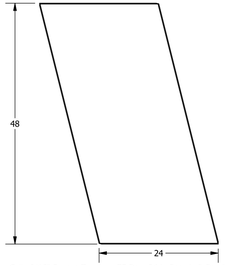
Calla 9/16" Square Tegular - 75 Deg. 24 in Base Trapezoid
100110



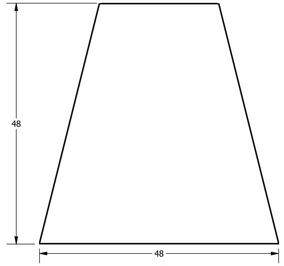
Calla 9/16" Square Tegular - 75 Deg. 24 in Base Triangle
100104



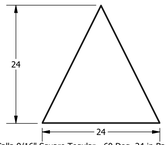
Calla 9/16" Square Tegular - 75 Deg. 24 in Base Right Parallelogram
100118



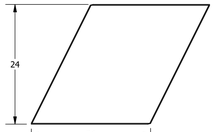
Calla 9/16" Square Tegular - 75 Deg. 24 in Base Left Parallelogram
100119



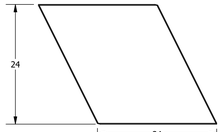
Calla 9/16" Square Tegular - 75 Deg. 48 in Base Trapezoid
100111



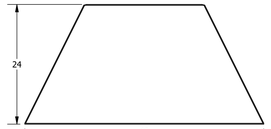
Calla 9/16" Square Tegular - 60 Deg. 24 in Base Triangle
100101



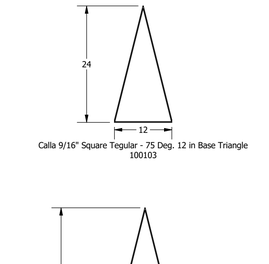
Calla 9/16" Square Tegular - 60 Deg. 24 in Base Right Parallelogram
100114



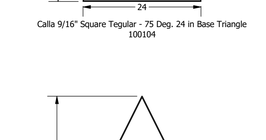
Calla 9/16" Square Tegular - 60 Deg. 24 in Base Left Parallelogram
100115



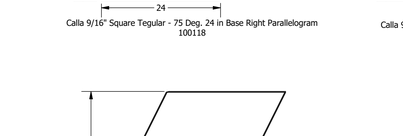
Calla 9/16" Square Tegular - 60 Deg. 48 in Base Trapezoid
100109



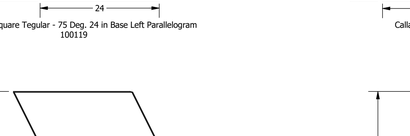
Calla 9/16" Square Tegular - 60 Deg. 48 in Base Triangle
100102



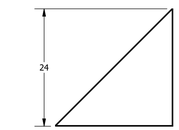
Calla 9/16" Square Tegular - 45 Deg. 48 in Base Triangle
100100



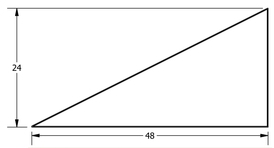
Calla 9/16" Square Tegular - 45 Deg. 48 in Base Right Parallelogram
100112



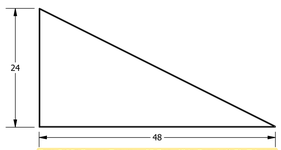
Calla 9/16" Square Tegular - 45 Deg. 48 in Base Left Parallelogram
100113



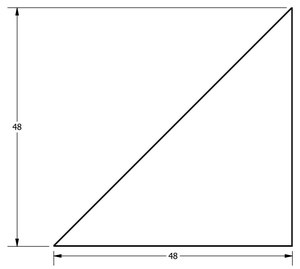
Calla 9/16" Square Tegular - 45 Deg. 24 in Base Rt. Triangle
100107



Calla 9/16" Square Tegular - 60 Deg. 48 in Base Right Rt. Triangle
100106



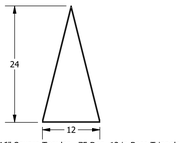
Calla 9/16" Square Tegular - 60 Deg. 48 in Base Left Rt. Triangle
100105



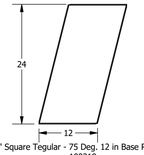
Calla 9/16" Square Tegular - 45 Deg. 48 in Base Rt. Triangle
100108

NOTES:
1. Views are from the face of the panel, and descriptions are based on these views
2. Dimensions are nominal and reflect grid spacings
3. Scale 1:15

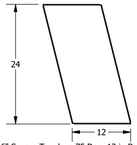
Armstrong CEILING & WALL SOLUTIONS	DesignFlex - Panels Calla Shapes	DRAWN BY: KAP	DATE: 8/5/2020	PD



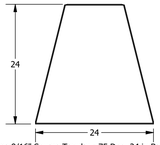
Optima 9/16" Square Tegular - 75 Deg. 12 in Base Triangle
100203



Optima 9/16" Square Tegular - 75 Deg. 12 in Base Right Parallelogram
100219

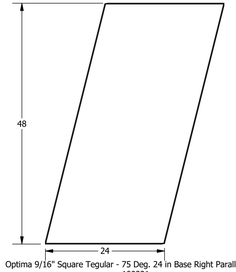


Optima 9/16" Square Tegular - 75 Deg. 12 in Base Left Parallelogram
100220

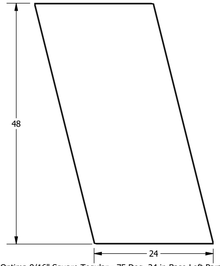


Optima 9/16" Square Tegular - 75 Deg. 24 in Base Trapezoid
100211

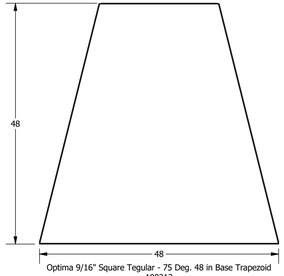
Optima 9/16" Square Tegular - 75 Deg. 24 in Base Triangle
100204



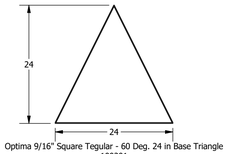
Optima 9/16" Square Tegular - 75 Deg. 24 in Base Right Parallelogram
100221



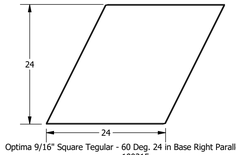
Optima 9/16" Square Tegular - 75 Deg. 24 in Base Left Parallelogram
100222



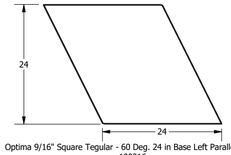
Optima 9/16" Square Tegular - 75 Deg. 48 in Base Trapezoid
100212



Optima 9/16" Square Tegular - 60 Deg. 24 in Base Triangle
100201

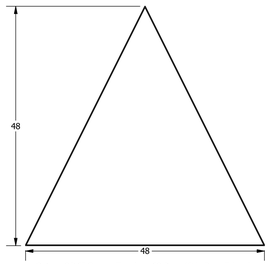


Optima 9/16" Square Tegular - 60 Deg. 24 in Base Right Parallelogram
100215

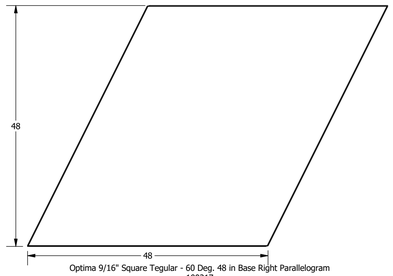


Optima 9/16" Square Tegular - 60 Deg. 24 in Base Left Parallelogram
100216

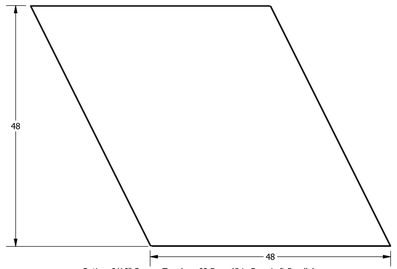
Optima 9/16" Square Tegular - 60 Deg. 48 in Base Trapezoid
100210



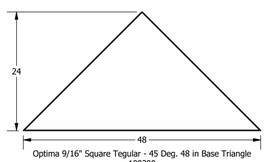
Optima 9/16" Square Tegular - 60 Deg. 48 in Base Triangle
100202



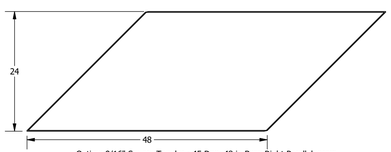
Optima 9/16" Square Tegular - 60 Deg. 48 in Base Right Parallelogram
100217



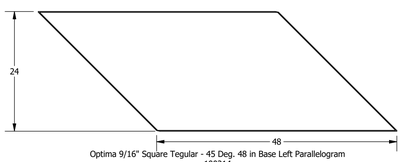
Optima 9/16" Square Tegular - 60 Deg. 48 in Base Left Parallelogram
100218



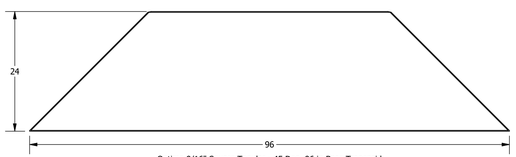
Optima 9/16" Square Tegular - 45 Deg. 48 in Base Triangle
100200



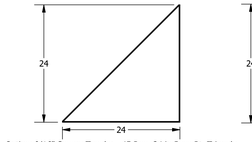
Optima 9/16" Square Tegular - 45 Deg. 48 in Base Right Parallelogram
100213



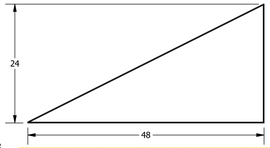
Optima 9/16" Square Tegular - 45 Deg. 48 in Base Left Parallelogram
100214



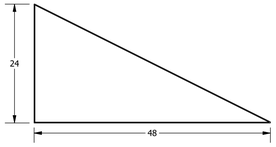
Optima 9/16" Square Tegular - 45 Deg. 96 in Base Trapezoid
100209



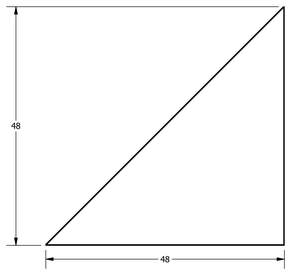
Optima 9/16" Square Tegular - 45 Deg. 24 in Base Rt. Triangle
100207



Optima 9/16" Square Tegular - 60 Deg. 48 in Base Right Rt. Triangle
100206



Optima 9/16" Square Tegular - 60 Deg. 48 in Base Left Rt. Triangle
100205



Optima 9/16" Square Tegular - 45 Deg. 48 in Base Rt. Triangle
100208

NOTES:
1. Views are from the face of the panel, and descriptions are based on these views
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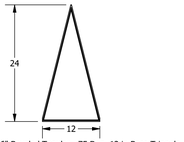
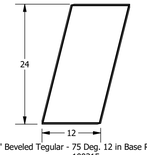
3. Scale 1:15

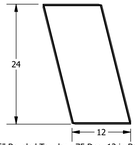
Armstrong CEILING & WALL SOLUTIONS	DesignFlex - Panels Optima Shapes	DRAWN BY: KAP	DATE: 8/5/2020	PD



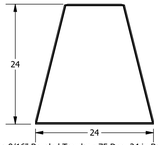
Ultima 9/16" Beveled Tegular - 75 Deg. 12 in Base Triangle
100303



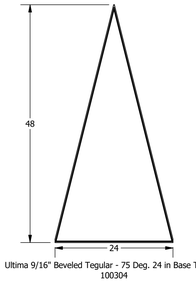
Ultima 9/16" Beveled Tegular - 75 Deg. 12 in Base Right Parallelogram
100315



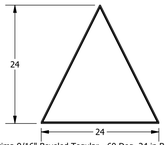
Ultima 9/16" Beveled Tegular - 75 Deg. 12 in Base Left Parallelogram
100316



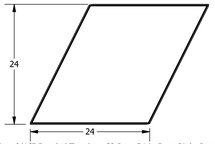
Ultima 9/16" Beveled Tegular - 75 Deg. 24 in Base Trapezoid
100310



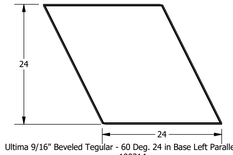
Ultima 9/16" Beveled Tegular - 75 Deg. 24 in Base Triangle
100304



Ultima 9/16" Beveled Tegular - 60 Deg. 24 in Base Triangle
100301

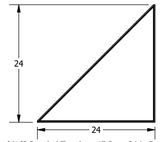


Ultima 9/16" Beveled Tegular - 60 Deg. 24 in Base Right Parallelogram
100313

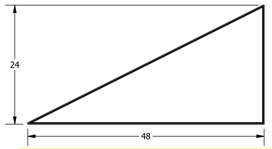


Ultima 9/16" Beveled Tegular - 60 Deg. 24 in Base Left Parallelogram
100314

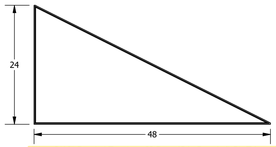
Ultima 9/16" Beveled Tegular - 60 Deg. 48 in Base Trapezoid
100309



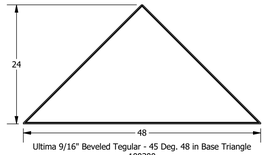
Ultima 9/16" Beveled Tegular - 45 Deg. 24 in Base Rt. Triangle
100307



Ultima 9/16" Beveled Tegular - 60 Deg. 48 in Base Right Rt. Triangle
100306



Ultima 9/16" Beveled Tegular - 60 Deg. 48 in Base Left Rt. Triangle
100305



Ultima 9/16" Beveled Tegular - 45 Deg. 48 in Base Triangle
100300

NOTES:
1. Views are from the face of the panel, and descriptions are based on these views
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3. Scale 1:15

Armstrong CEILING & WALL SOLUTIONS	DesignFlex - Panels Ultima Shapes	DRAWN BY: KAP	DATE: 8/5/2020	PD