

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.

| SH-0013-2 BILL OF MATERIALS |     |              |  |  |
|-----------------------------|-----|--------------|--|--|
| ITEM                        | QTY | STOCK NUMBER | DESCRIPTION  |  |
| 1                           | 16  | 7800         | Angle Molding  |  |
| 2                           | 36  | 7500/7501    | 12" ID/HD Suprafine Main Beam  |  |
| 3                           | 86  | 75AB60D      | Suprafine 60 Deg. Double Angle Bracket                               |  |
| 4                           | 86  | 75AB60L      | Suprafine 60 Deg. Left Angle Bracket                                 |  |
| 5                           | 134 | XM756048     | Suprafine 60 Deg. Cross Tee - 48in MBS                               |  |
| 6                           | 16  | XM7548       | Suprafine Perimeter Cross Tee - 48in MBS                             |  |
| 7                           | 40  | BERC2        | 2" Beam End Retaining Clip   |  |
| 8                           | 8   | XTAC         | Cross Tee Adapter Clip   |  |
| 9                           | 20  | PAC          | Perimeter Angle Clip   |  |
| 10                          | 110 | 100003       | Lyra 9/16" Square Tegular - 60 Deg. 48 in Base Triangle              |  |
| 11                          | 50  | 100019       | Lyra 9/16" Square Tegular - 60 Deg. 48 in Base Left Parallelogram    |  |
| 12                          | 99  | 7891         | 12 Gauge Hanger Wire (Qty. = number of min. hanging point locations) |  |

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

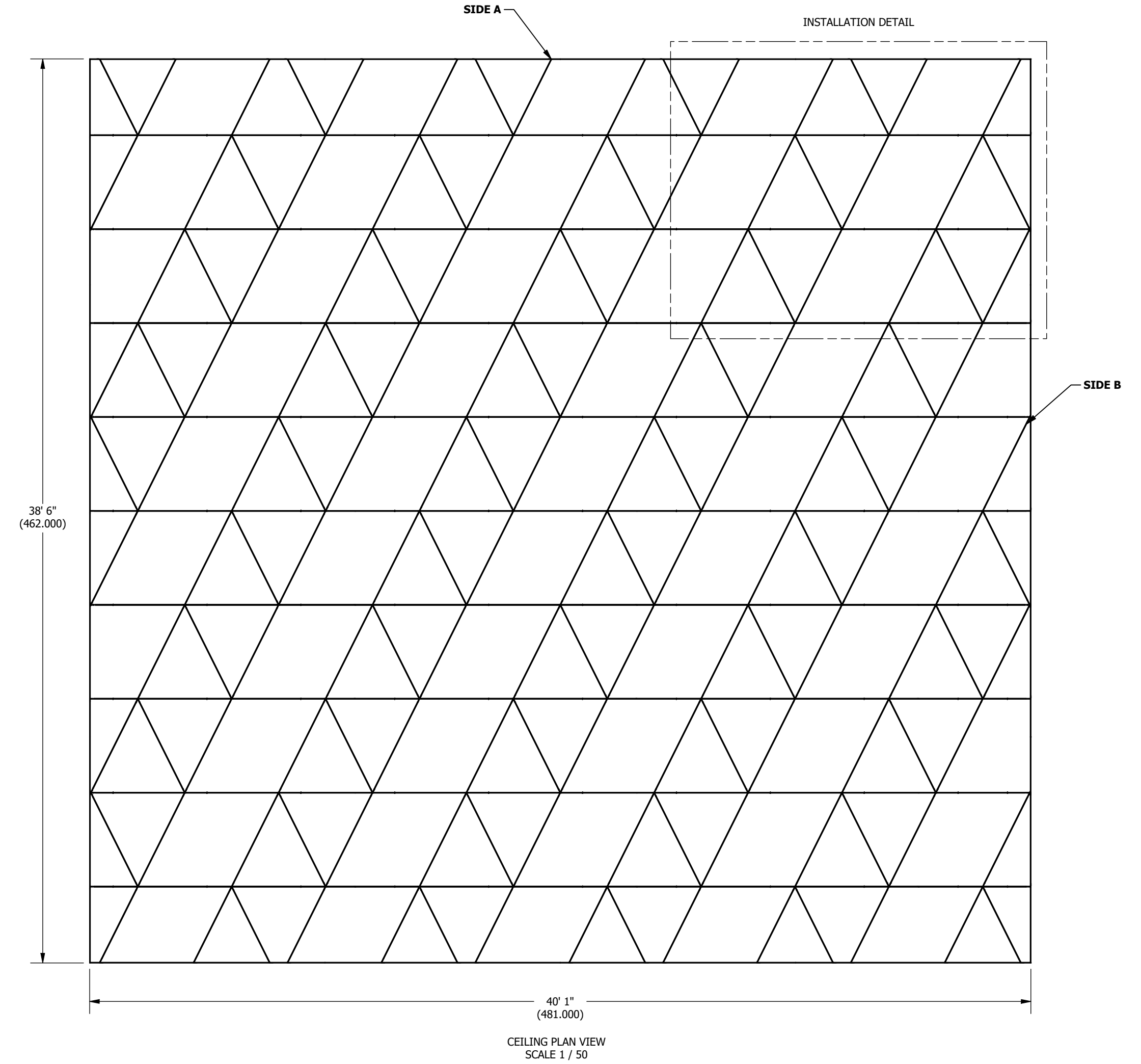
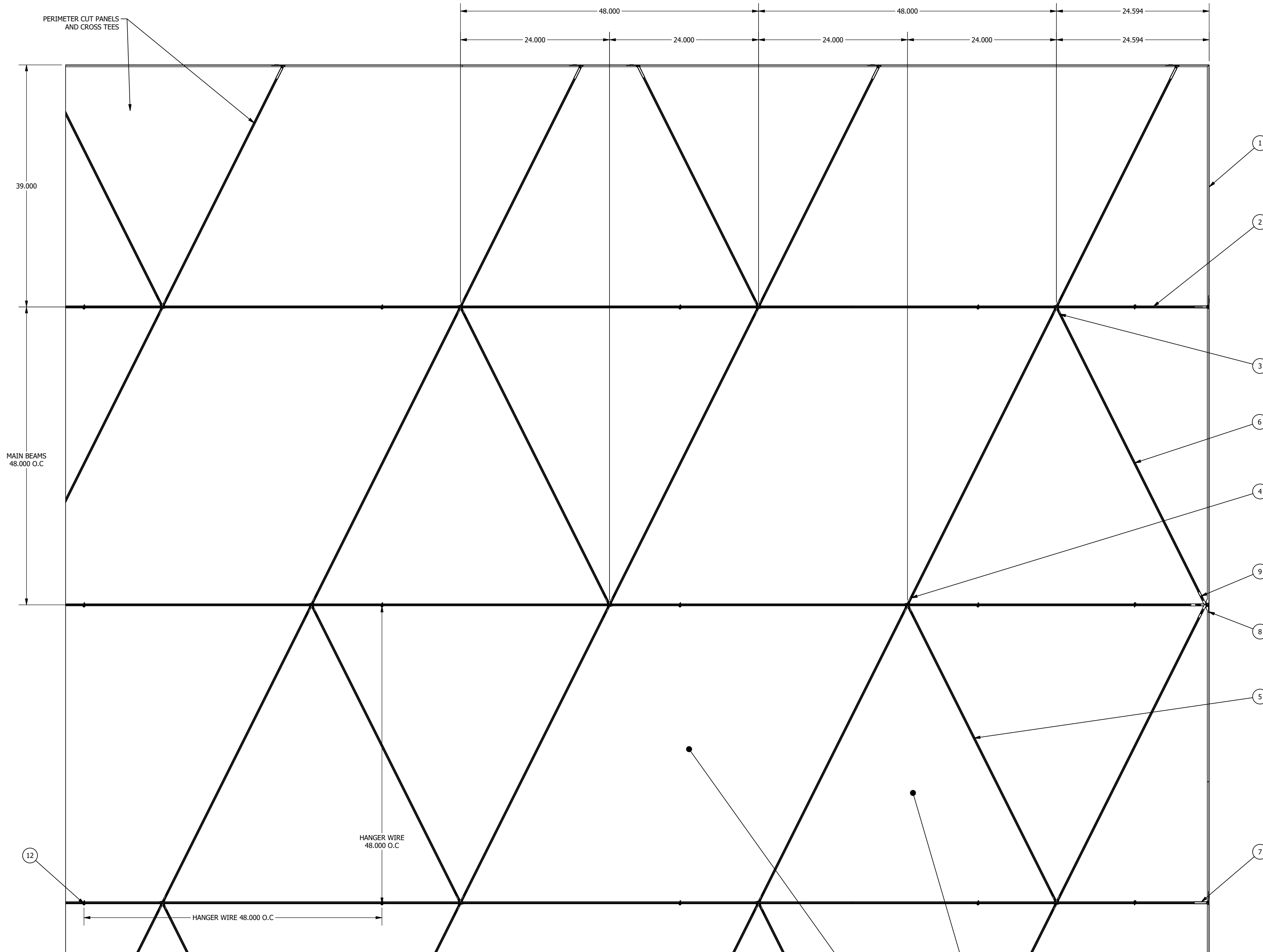
PANEL PRODUCT FAMILIES COMPATIBLE WITH THIS LAYOUT:  
 LYRA AND OPTIMA

SUSPENSION SYSTEMS COMPATIBLE WITH THIS LAYOUT:  
 SUPRAFINE ID/HD

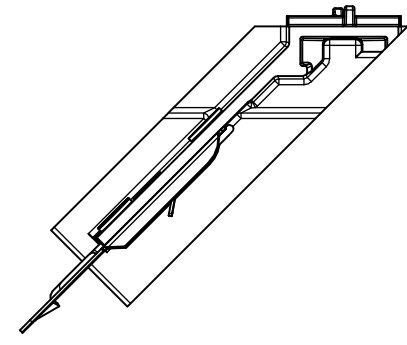
**SIDE A** - REPRESENTS A BORDER CONDITION UTILIZING A SINGLE GRID MEMBER CONNECTION TO THE PERIMETER

**SIDE B** - REPRESENTS A BORDER CONDITION UTILIZING A SINGLE GRID MEMBER CONNECTION OR MULTIPLE GRID MEMBER CONNECTIONS TO THE PERIMETER

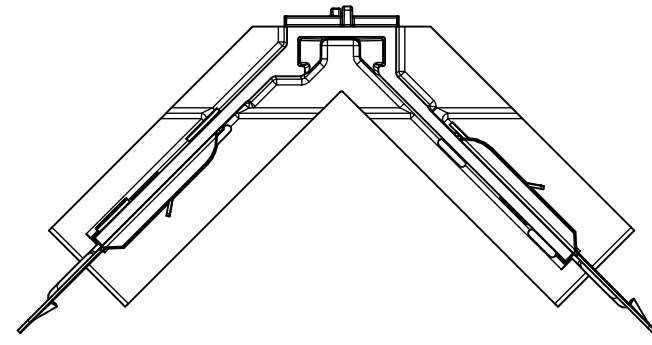
REFERENCE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS ON HOW THESE BORDER CONDITIONS ARE INSTALLED



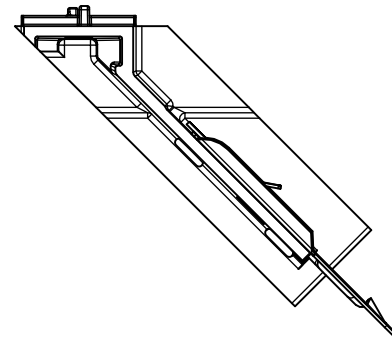
INSTALLATION DETAIL  
 SCALE 1 / 10



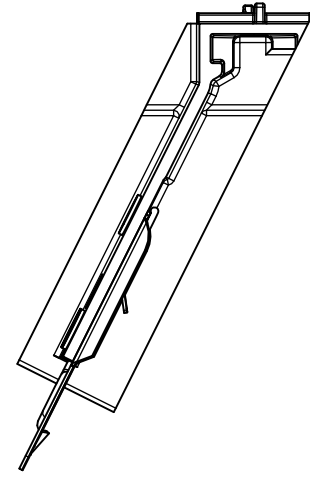
BP75AB45L Suprafine  
45° Left Angle Bracket



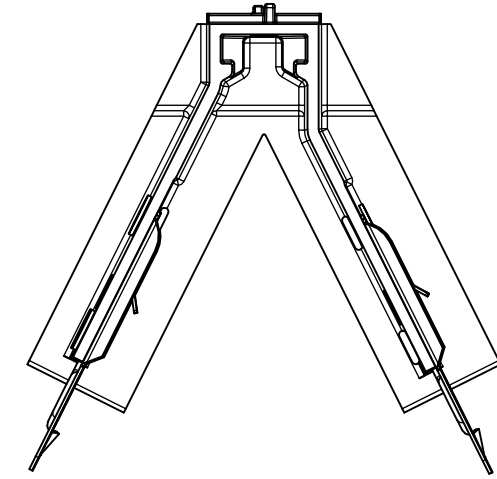
BP75AB45D Suprafine  
45° Double Angle Bracket



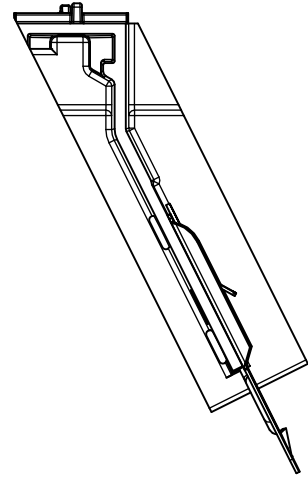
BP75AB45R Suprafine  
45° Right Angle Bracket



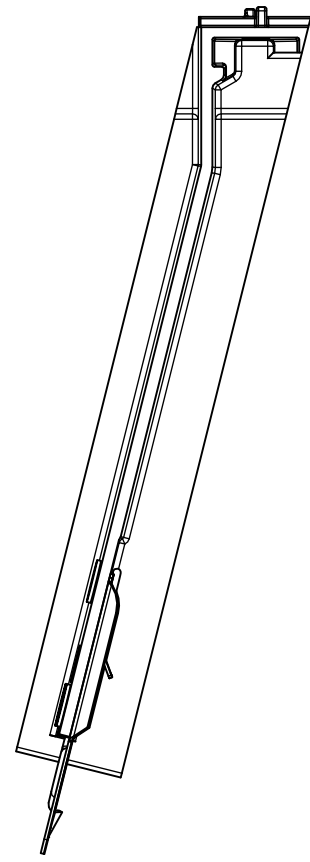
BP75AB60L Suprafine  
60° Left Angle Bracket



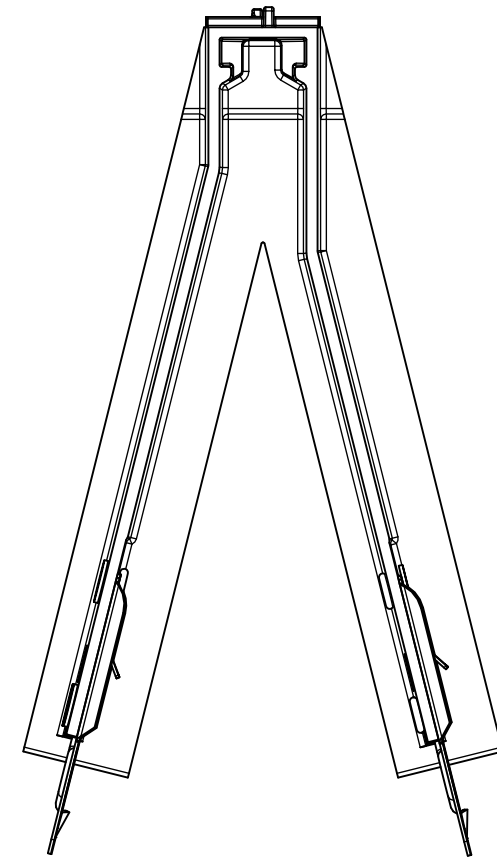
BP75AB60D Suprafine  
60° Double Angle Bracket



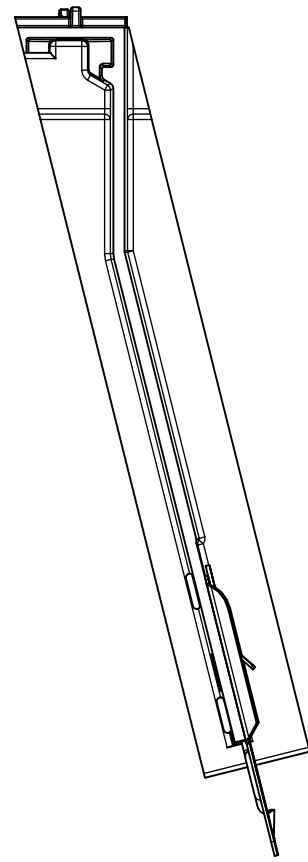
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60° Right Angle Bracket



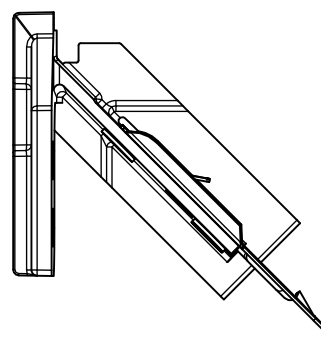
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75° Left Angle Bracket



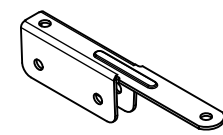
BP75AB75D Suprafine  
75° Double Angle Bracket



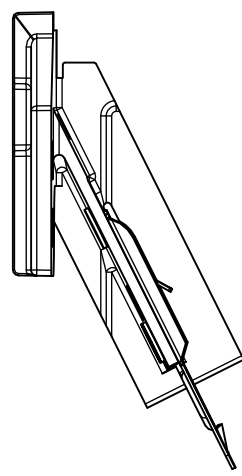
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75° Right Angle Bracket



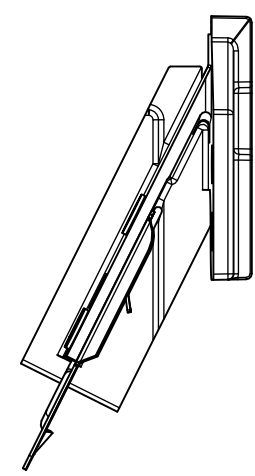
BP75CB45 Suprafine  
45° Corner Bracket



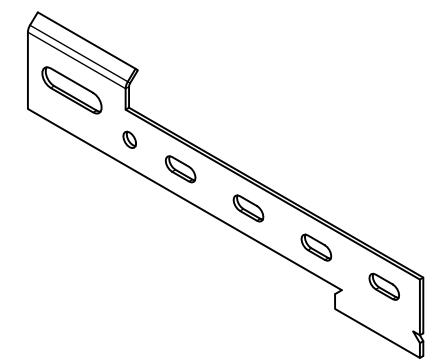
BPPAC  
Perimeter Angle Clip  
SCALE 1 / 2



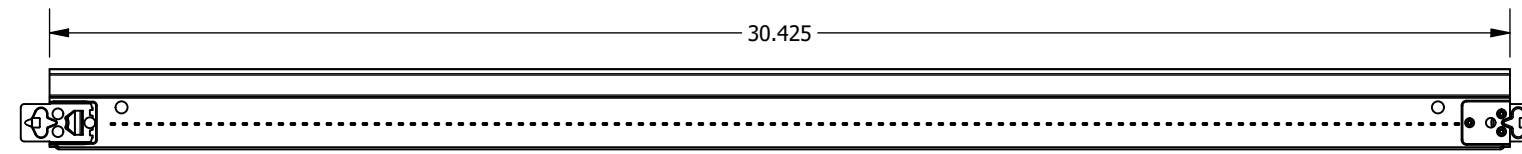
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60° Left Corner Bracket



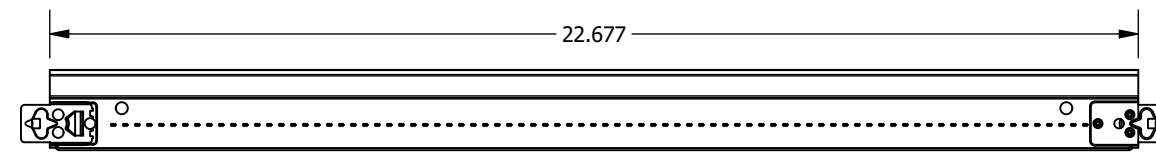
BP75CB60R Suprafine  
60° Right Corner Bracket



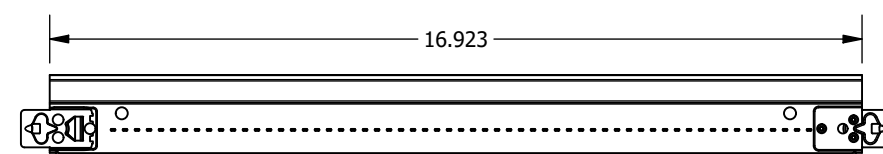
BPPCC  
Axiom Perimeter Corner Clip  
SCALE 1 / 2



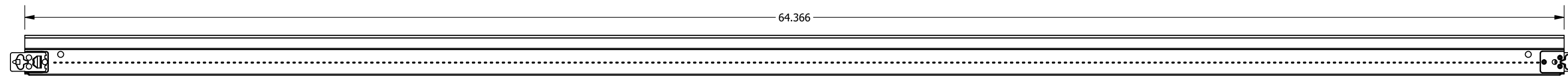
BPXM754524 Suprafine  
45° Cross Tee - 24" MBS  
SCALE 1 / 4



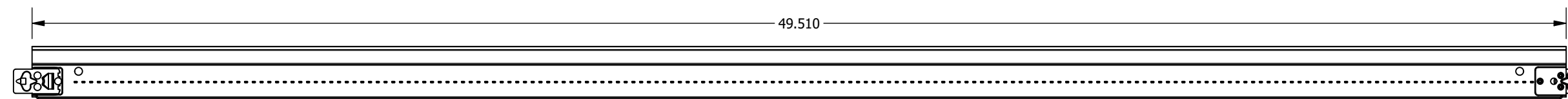
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60° Cross Tee - 24" MBS  
SCALE 1 / 4



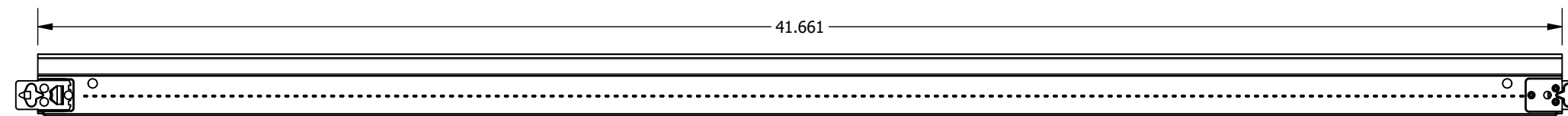
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75° Cross Tee - 24" MBS  
SCALE 1 / 4



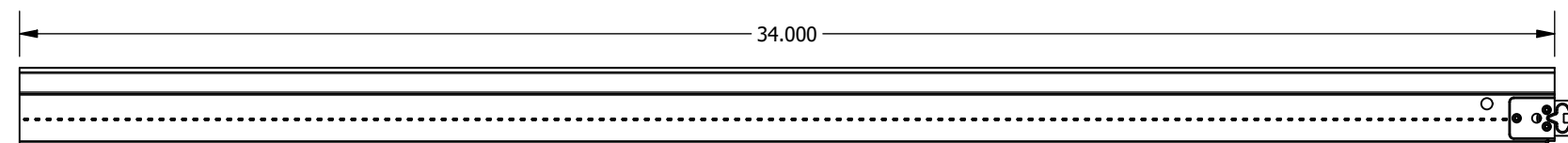
BPXM754548 Suprafine  
45° Cross Tee - 48" MBS  
SCALE 1 / 4



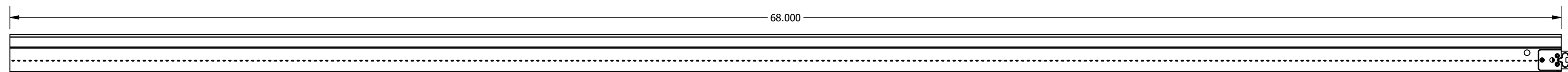
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60° Cross Tee - 48" MBS  
SCALE 1 / 4



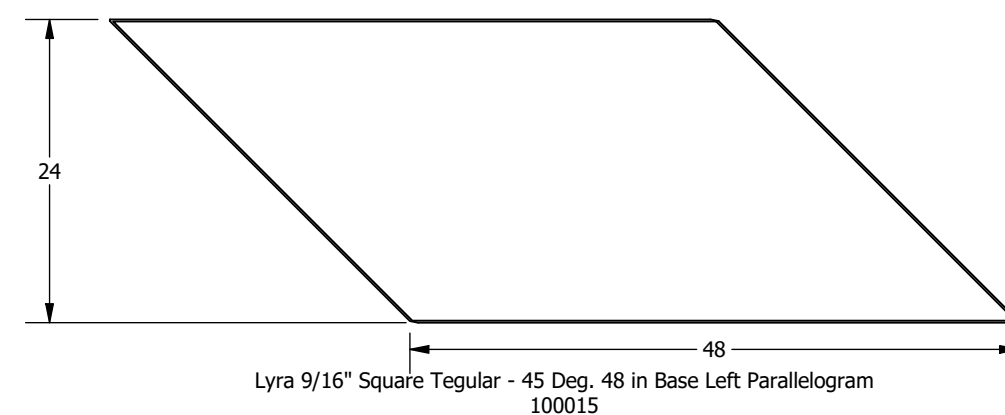
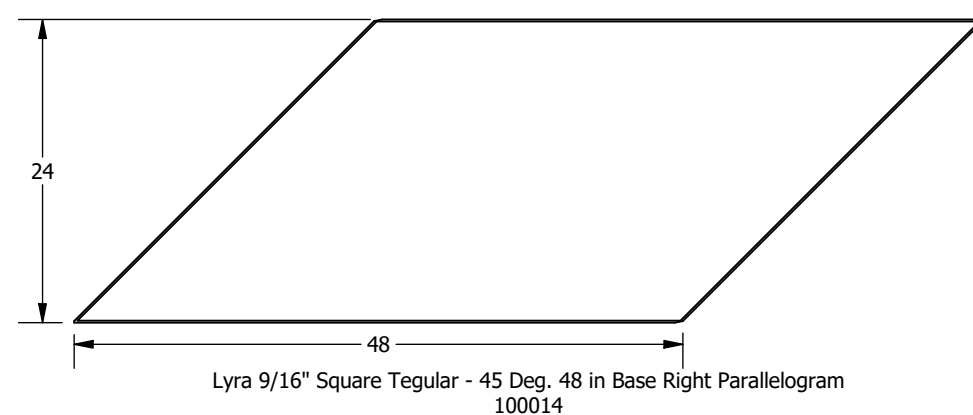
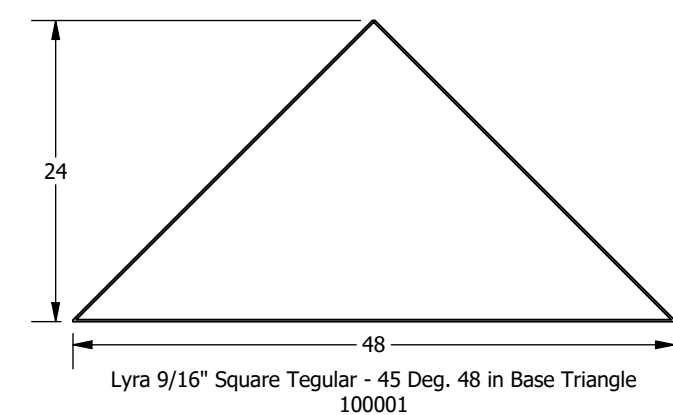
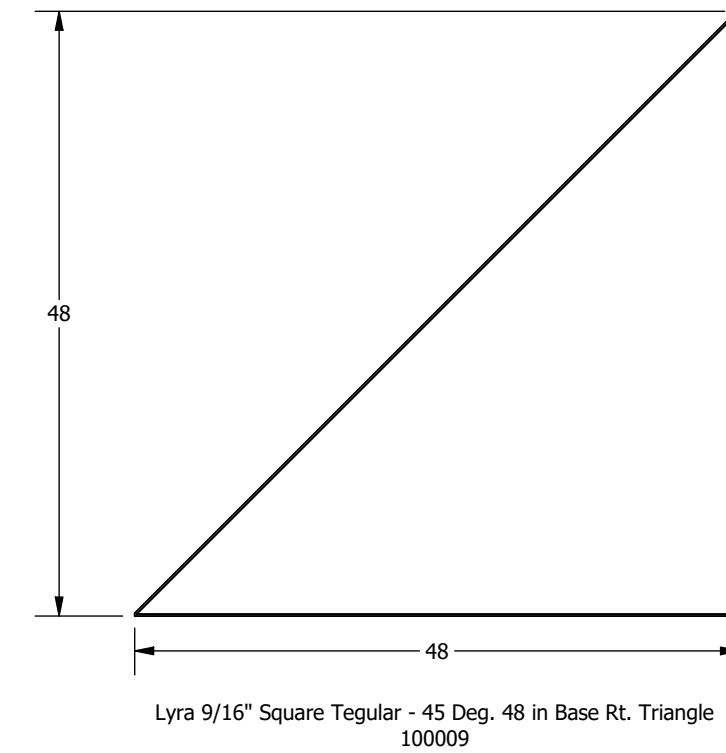
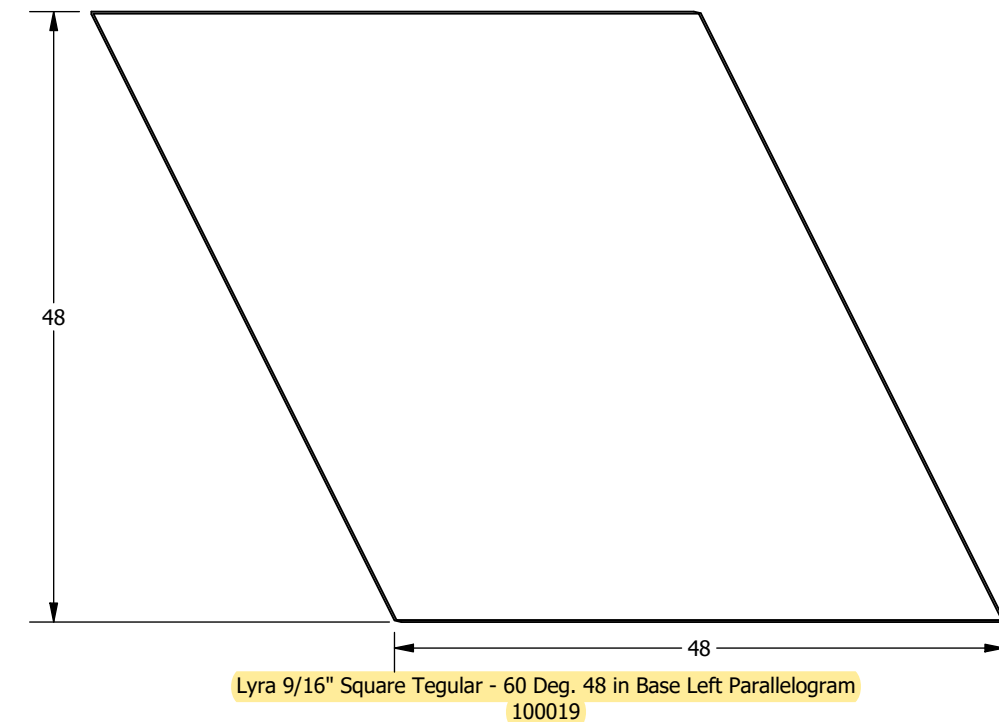
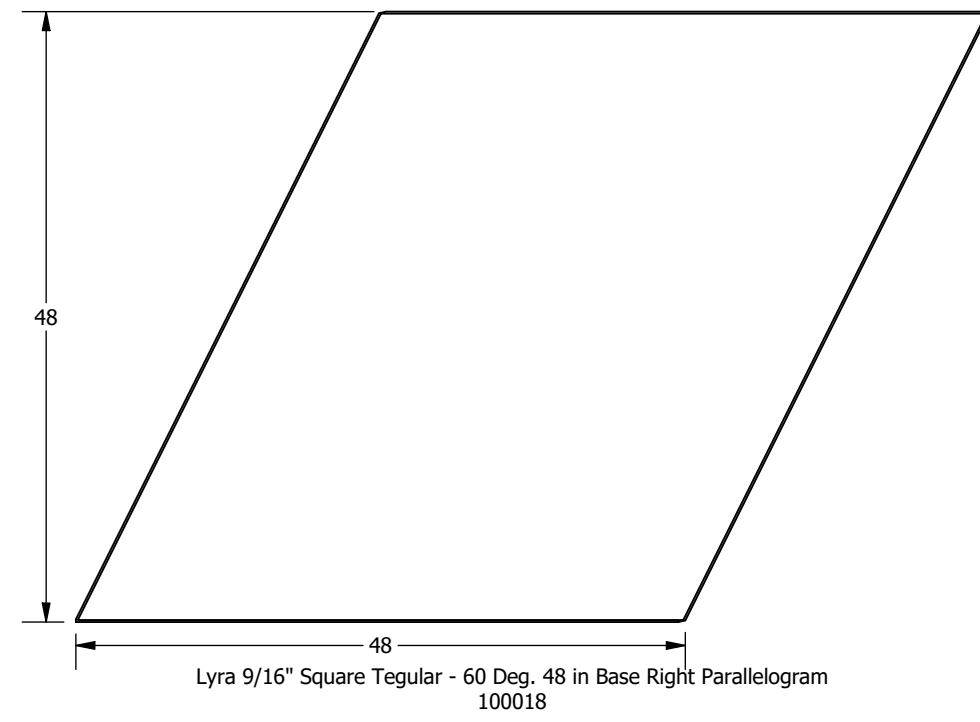
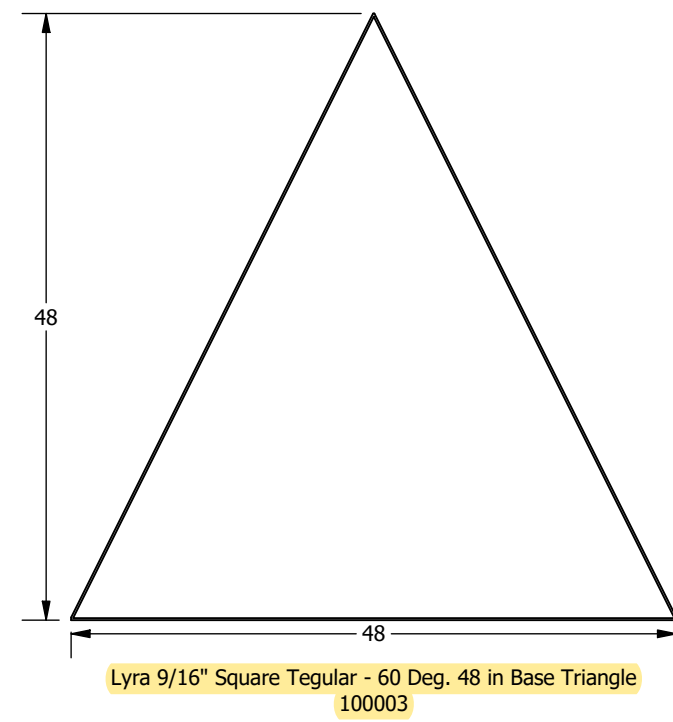
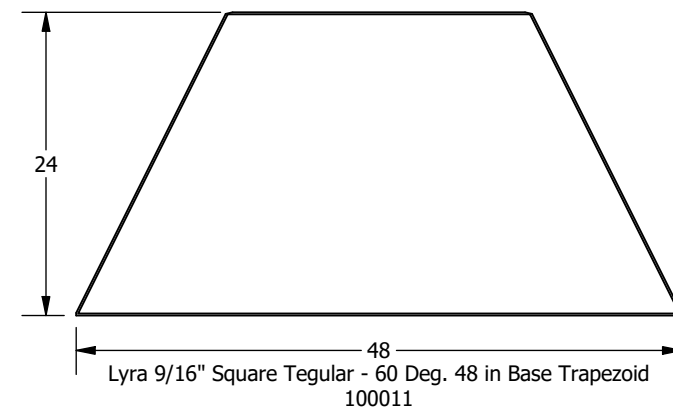
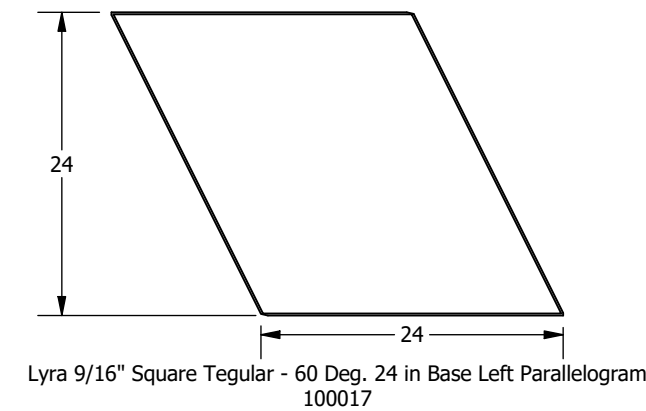
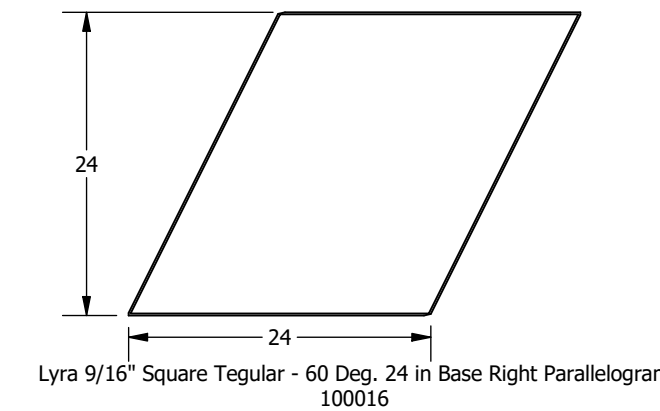
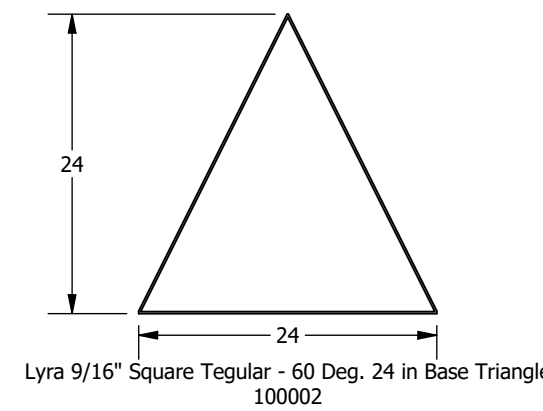
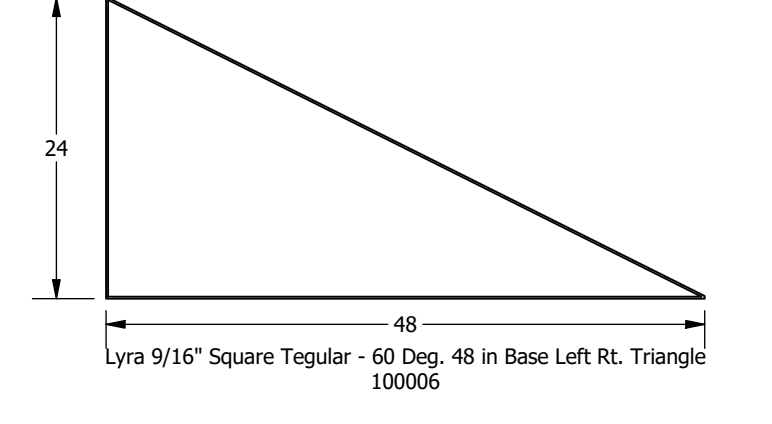
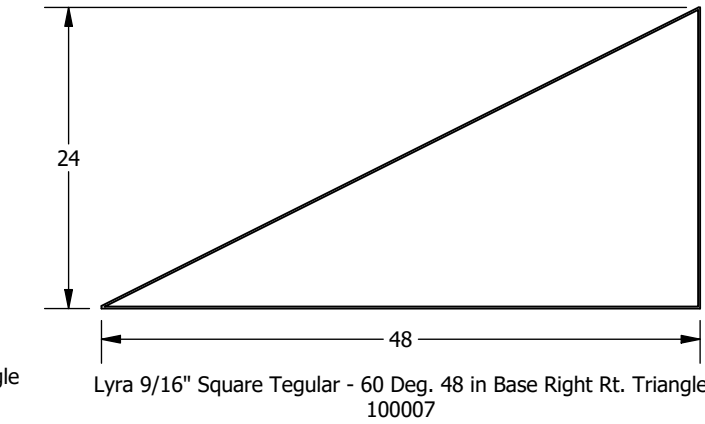
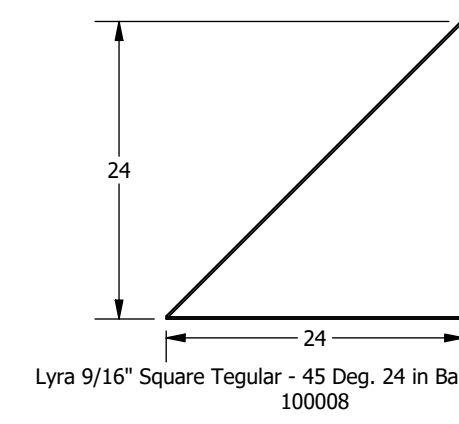
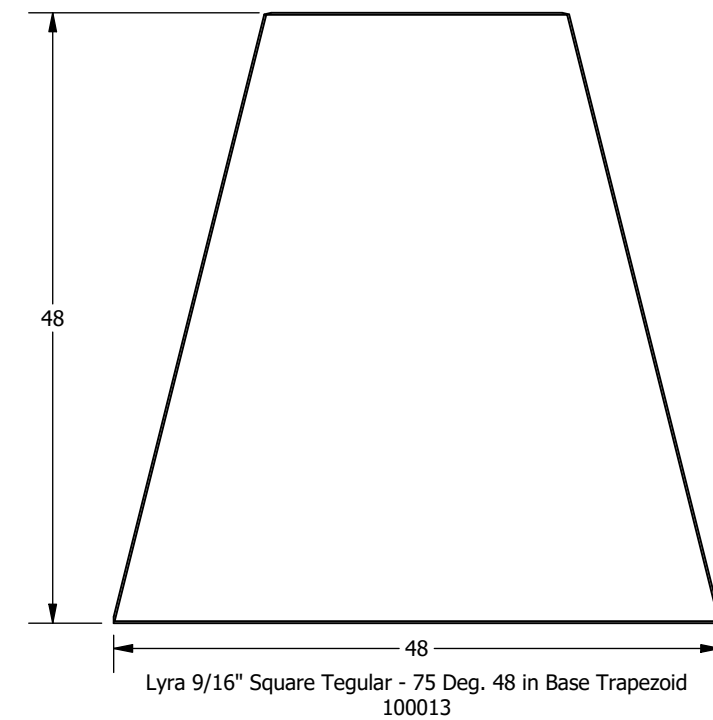
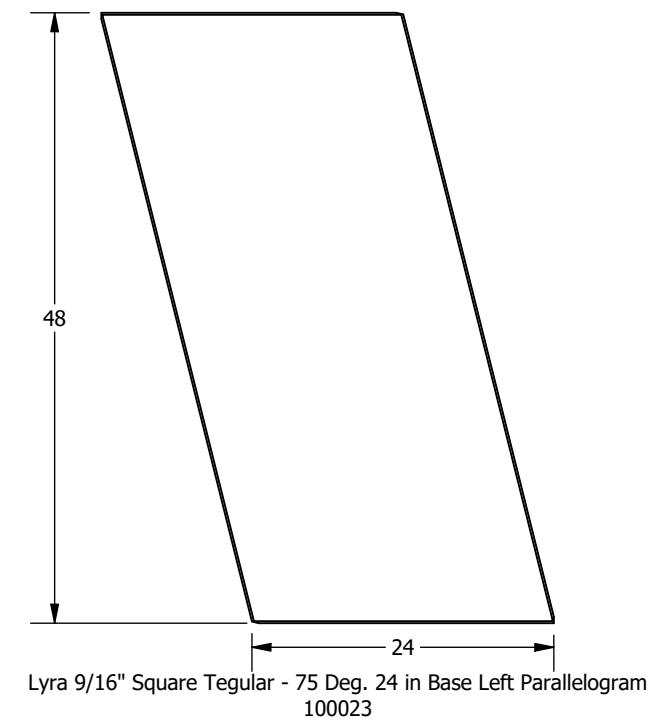
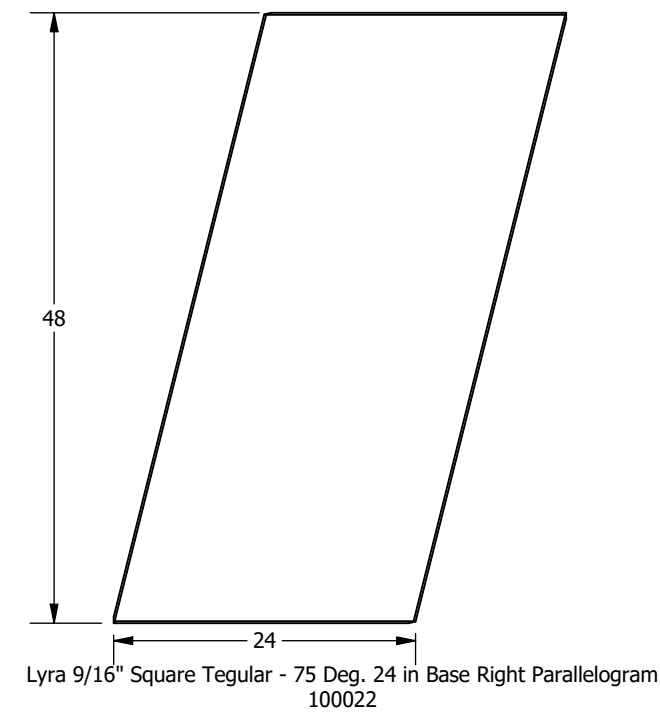
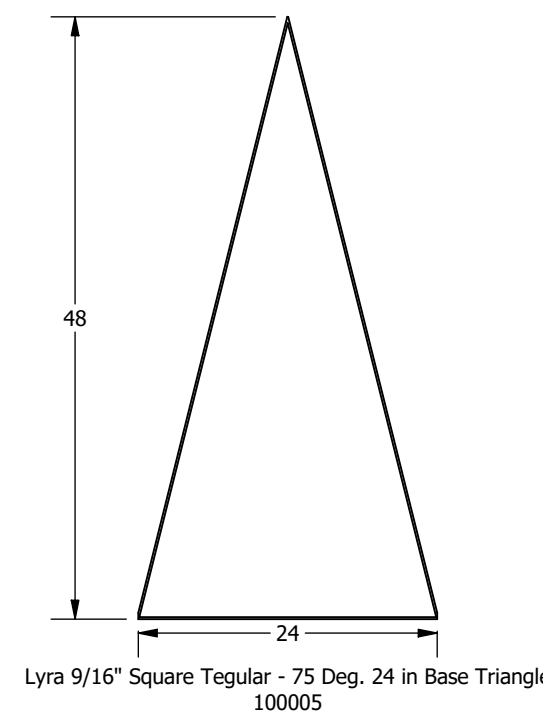
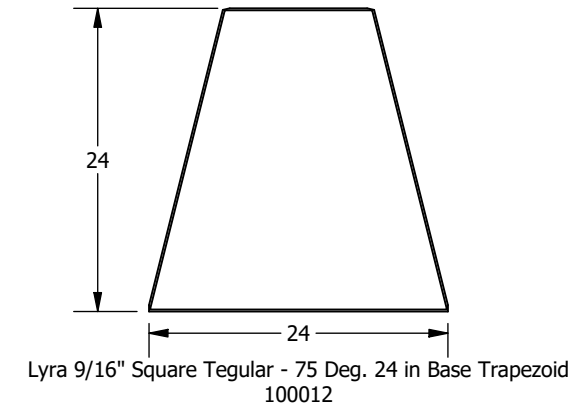
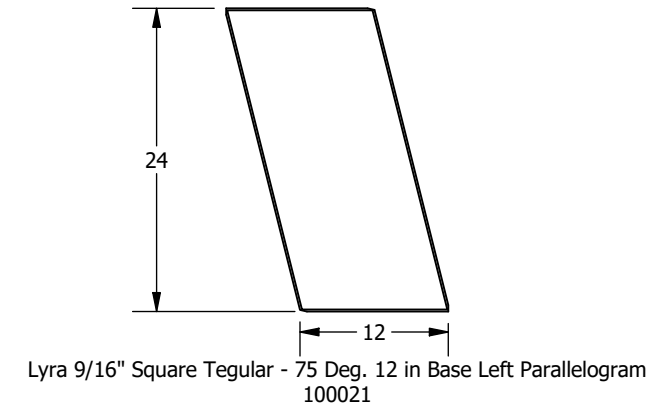
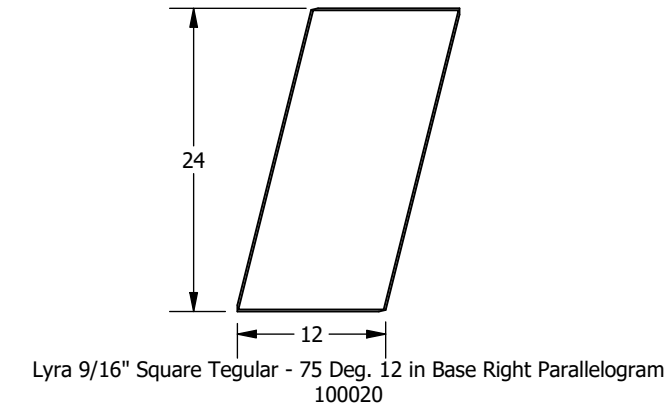
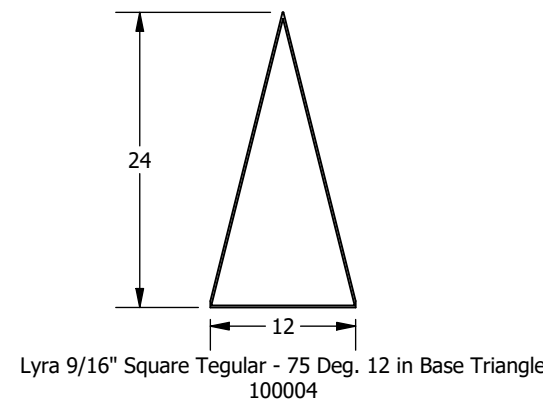
BPXM757548 Suprafine  
75° Cross Tee - 48" MBS  
SCALE 1 / 4



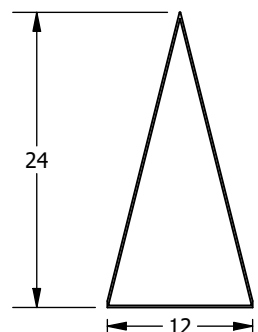
BPXM7524 Suprafine  
Perimeter Cross Tee - 24" MBS  
SCALE 1 / 4



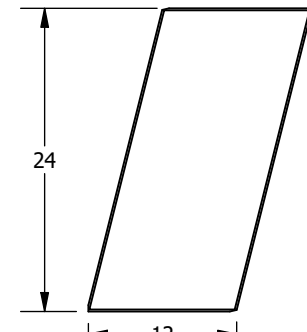
BPXM7548 Suprafine  
Perimeter Cross Tee - 48" MBS  
SCALE 1 / 4



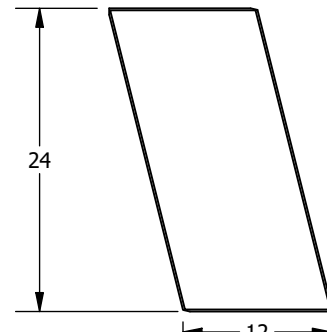
NOTES:  
 1. Views are from the face of the panel, and descriptions are based on these views  
 2. Dimensions are nominal and reflect grid spacings  
 3. Scale 1:15



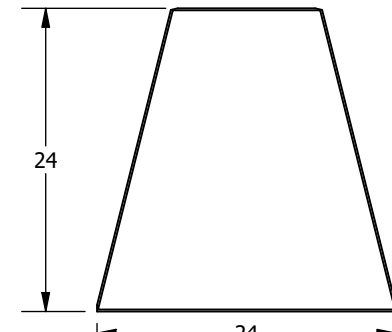
Optima 9/16" Square Tegular - 75 Deg. 12 in Base Triangle  
100203



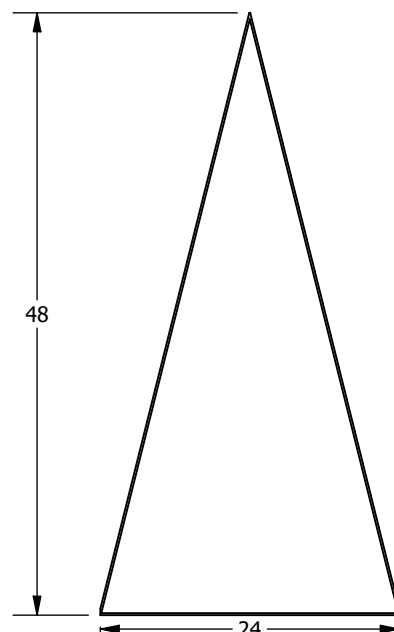
Optima 9/16" Square Tegular - 75 Deg. 12 in Base Right Parallelogram  
100219



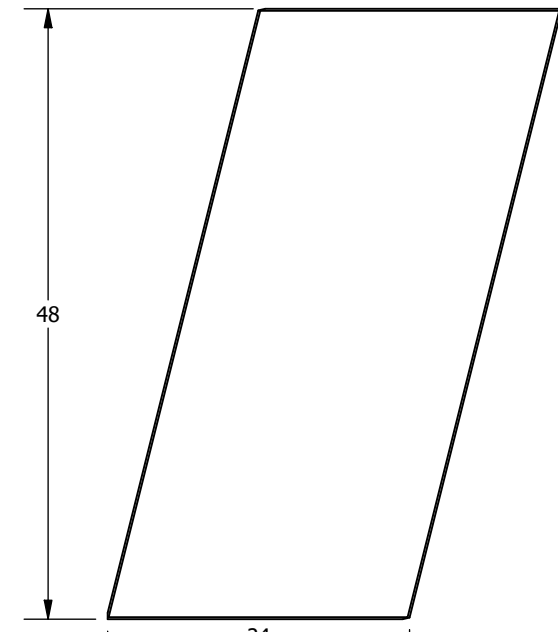
Optima 9/16" Square Tegular - 75 Deg. 12 in Base Left Parallelogram  
100220



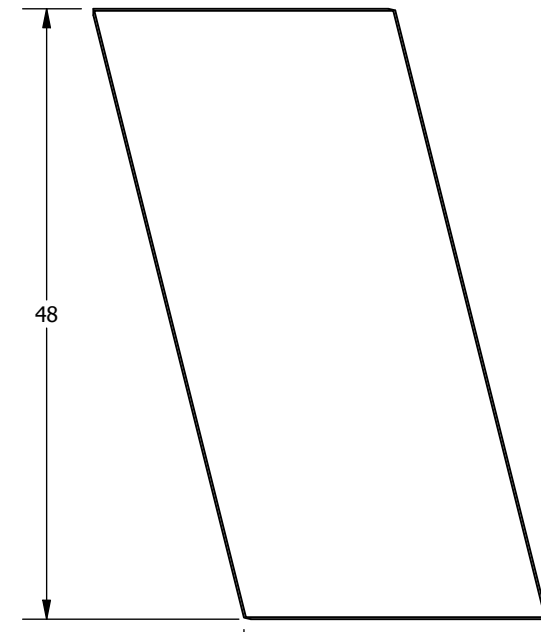
Optima 9/16" Square Tegular - 75 Deg. 24 in Base Trapezoid  
100211



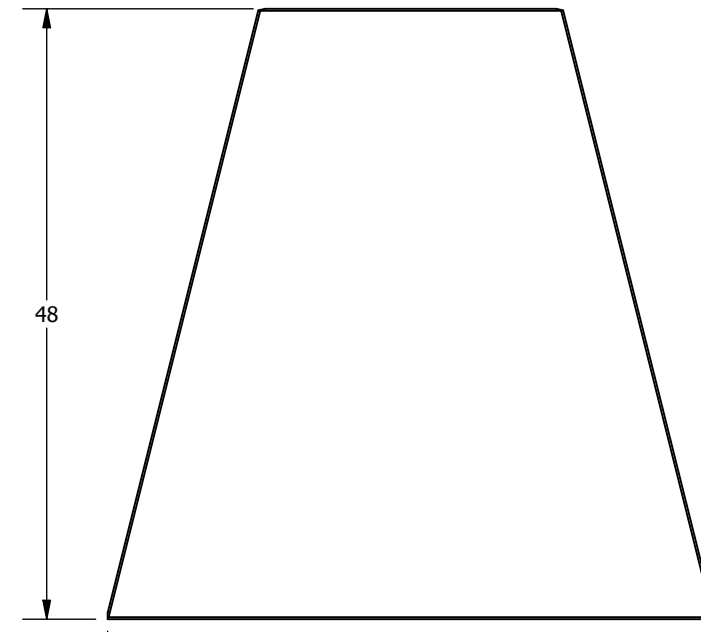
Optima 9/16" Square Tegular - 75 Deg. 24 in Base Triangle  
100204



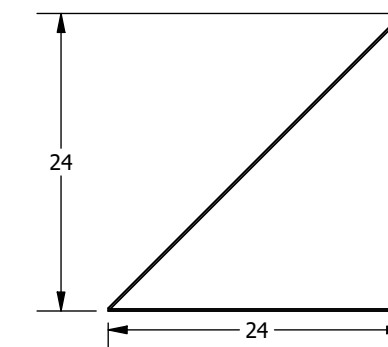
Optima 9/16" Square Tegular - 75 Deg. 24 in Base Right Parallelogram  
100221



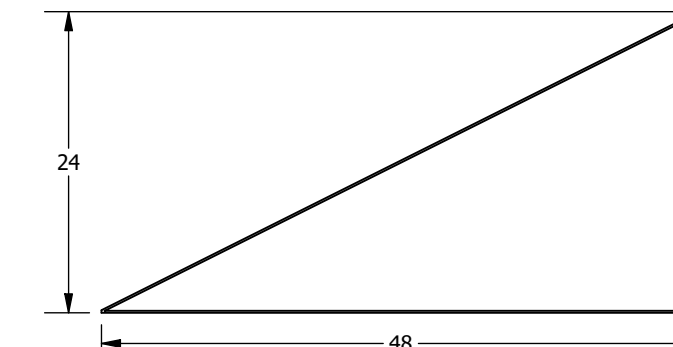
Optima 9/16" Square Tegular - 75 Deg. 24 in Base Left Parallelogram  
100222



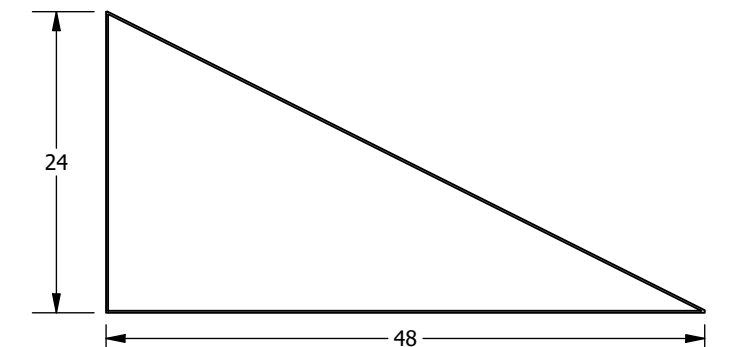
Optima 9/16" Square Tegular - 75 Deg. 48 in Base Trapezoid  
100212



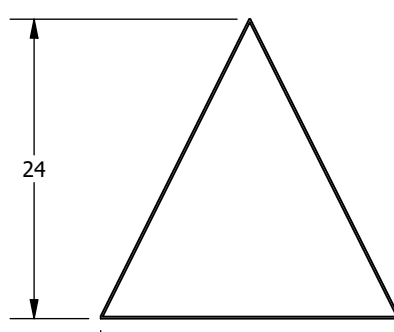
Optima 9/16" Square Tegular - 45 Deg. 24 in Base Rt. Triangle  
100217



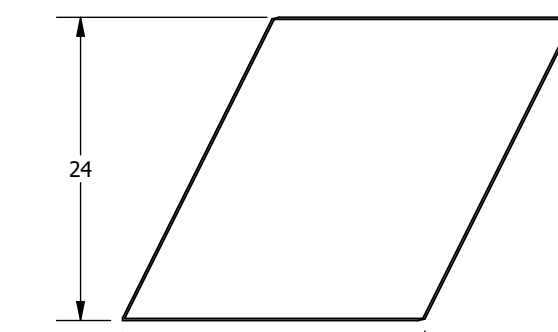
Optima 9/16" Square Tegular - 60 Deg. 48 in Base Right Rt. Triangle  
100206



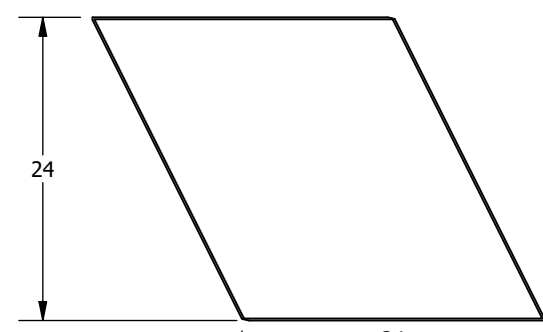
Optima 9/16" Square Tegular - 60 Deg. 48 in Base Left Rt. Triangle  
100205



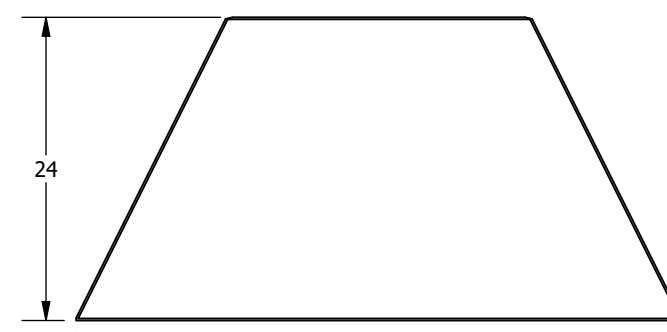
Optima 9/16" Square Tegular - 60 Deg. 24 in Base Triangle  
100201



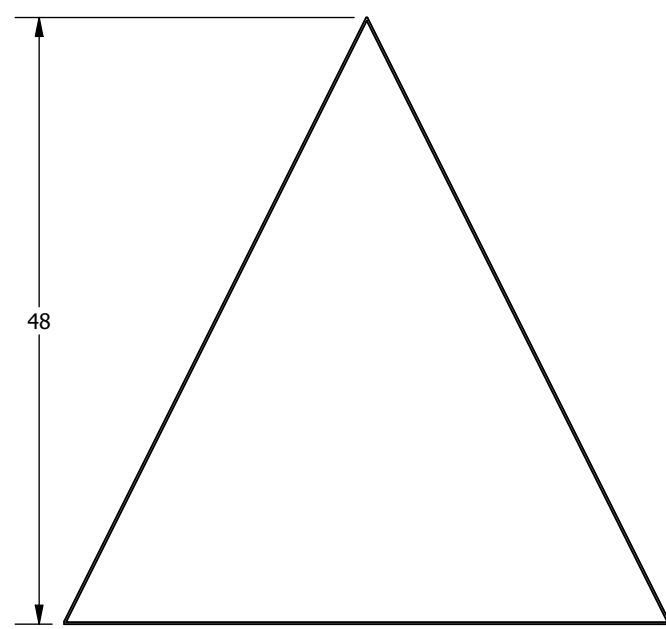
Optima 9/16" Square Tegular - 60 Deg. 24 in Base Right Parallelogram  
100215



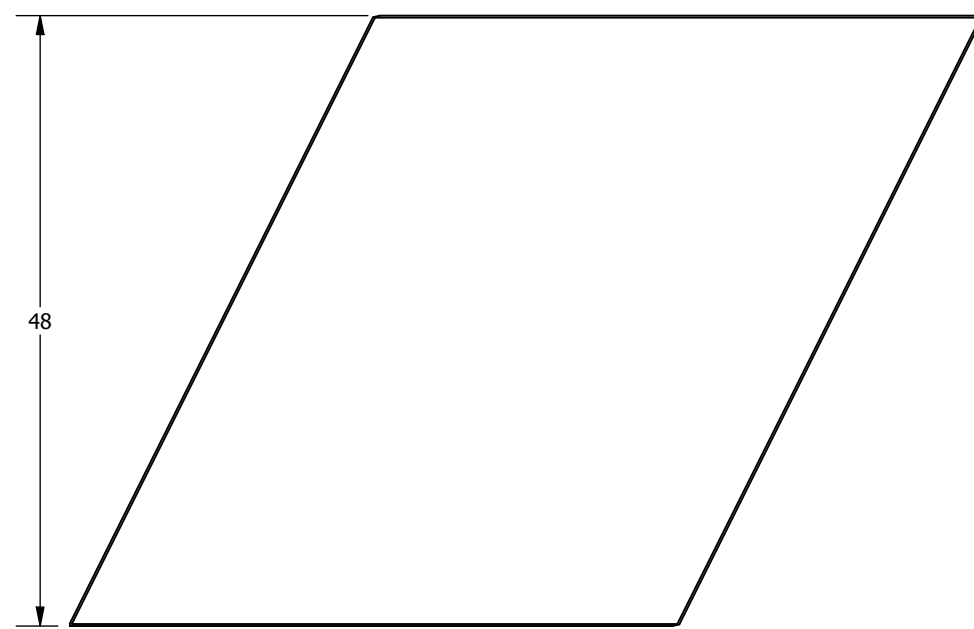
Optima 9/16" Square Tegular - 60 Deg. 24 in Base Left Parallelogram  
100216



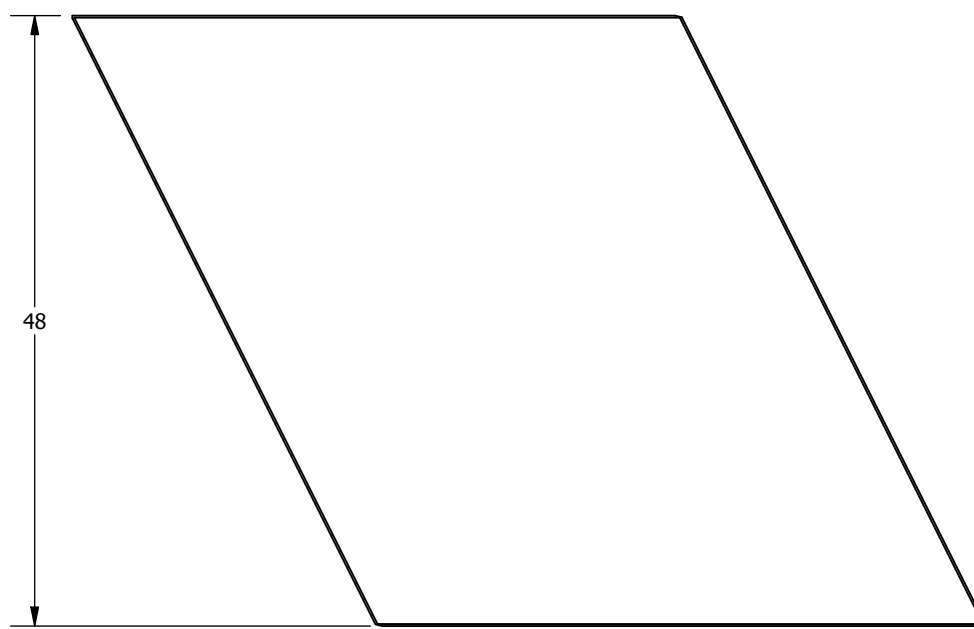
Optima 9/16" Square Tegular - 60 Deg. 48 in Base Trapezoid  
100210



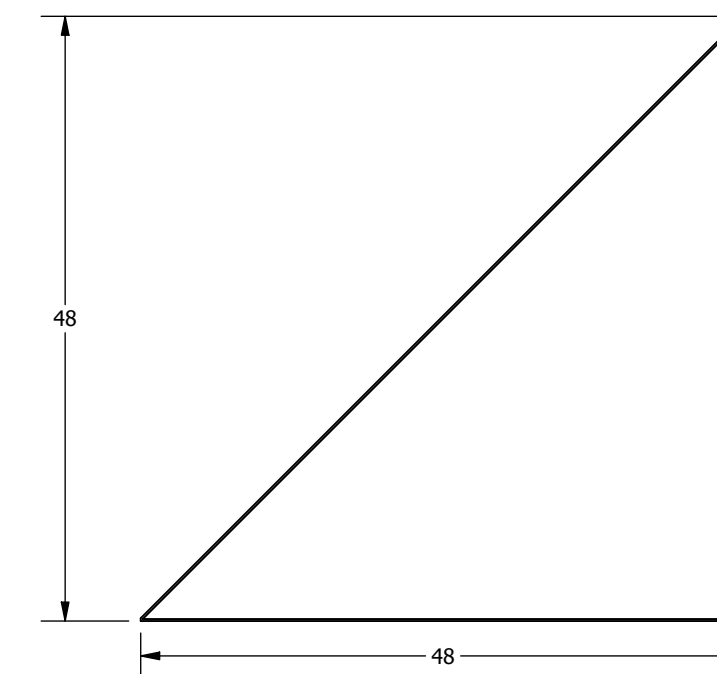
Optima 9/16" Square Tegular - 60 Deg. 48 in Base Triangle  
100202



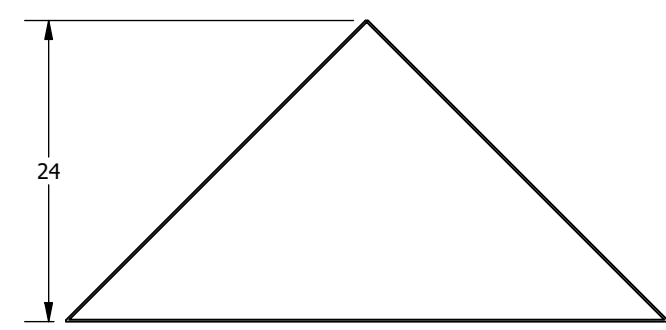
Optima 9/16" Square Tegular - 60 Deg. 48 in Base Right Parallelogram  
100217



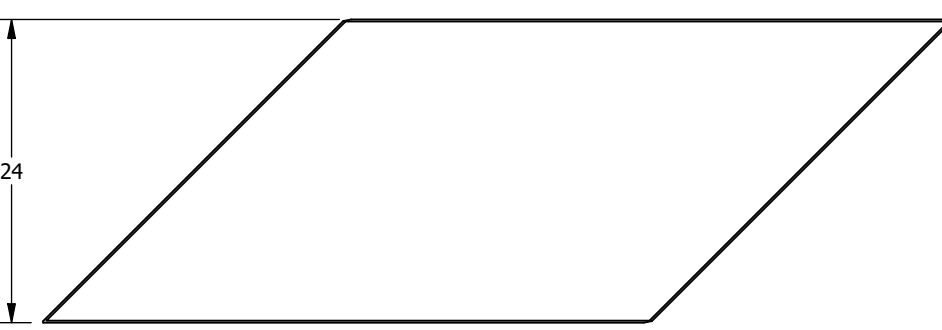
Optima 9/16" Square Tegular - 60 Deg. 48 in Base Left Parallelogram  
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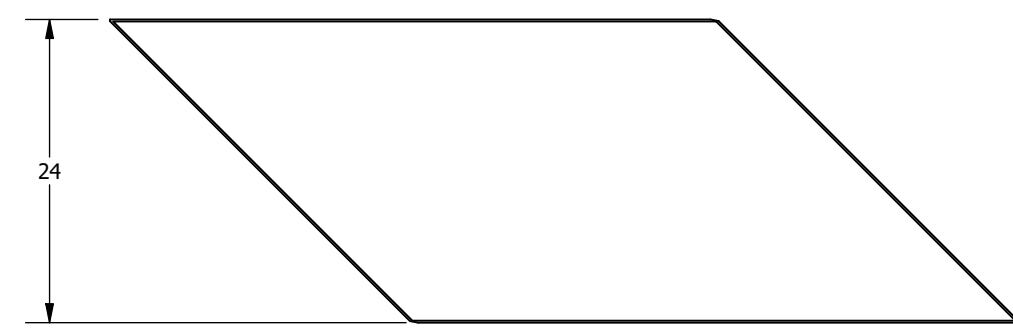
Optima 9/16" Square Tegular - 45 Deg. 48 in Base Rt. Triangle  
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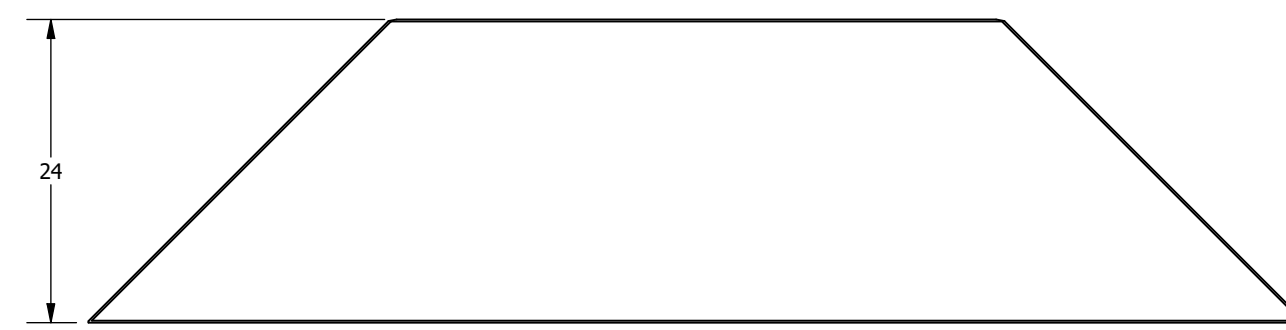
Optima 9/16" Square Tegular - 45 Deg. 48 in Base Triangle  
100200



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

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