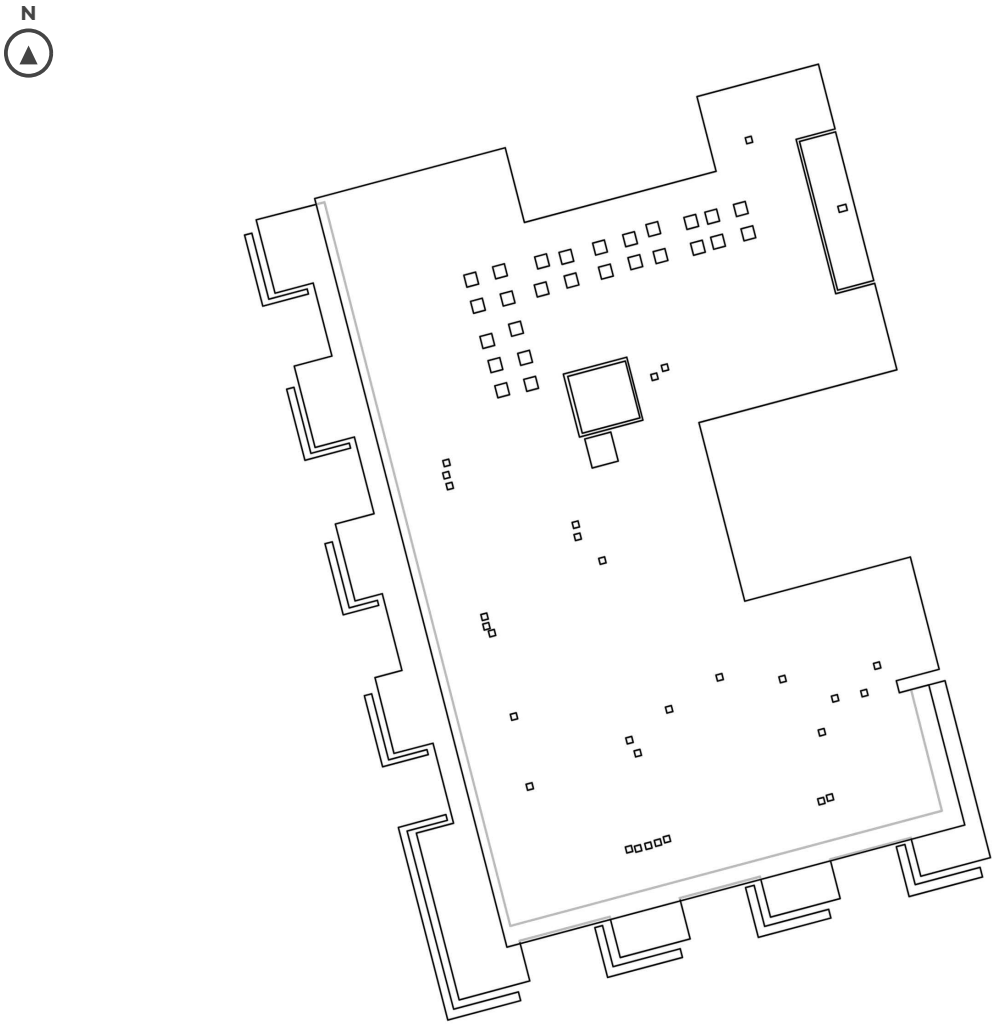
FIRST MATE

1707 Walnut St, Boulder, CO 80302, USA
11/10/2026



PROJECT SUMMARY

Total Facets: 12
Predominant Pitch: 0/12

Total Squares (Net): 110.91
Total Squares (5% Waste): 116.45

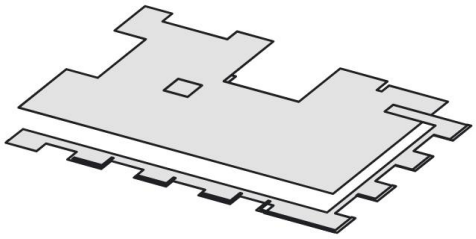
MEASUREMENT BREAKDOWN

Eave:	430'
Parapet Wall:	1015'
Headwall Flashing:	179'
Protrusion:	351'

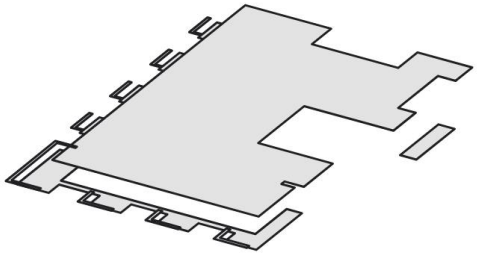
Top View



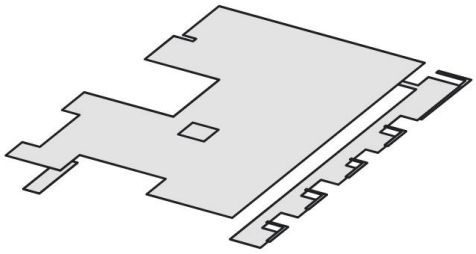
Southwest



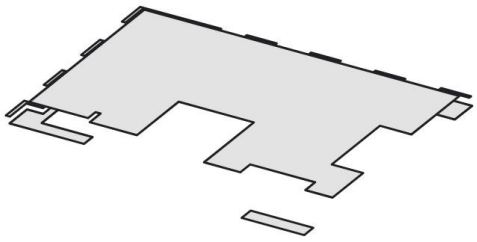
Southeast



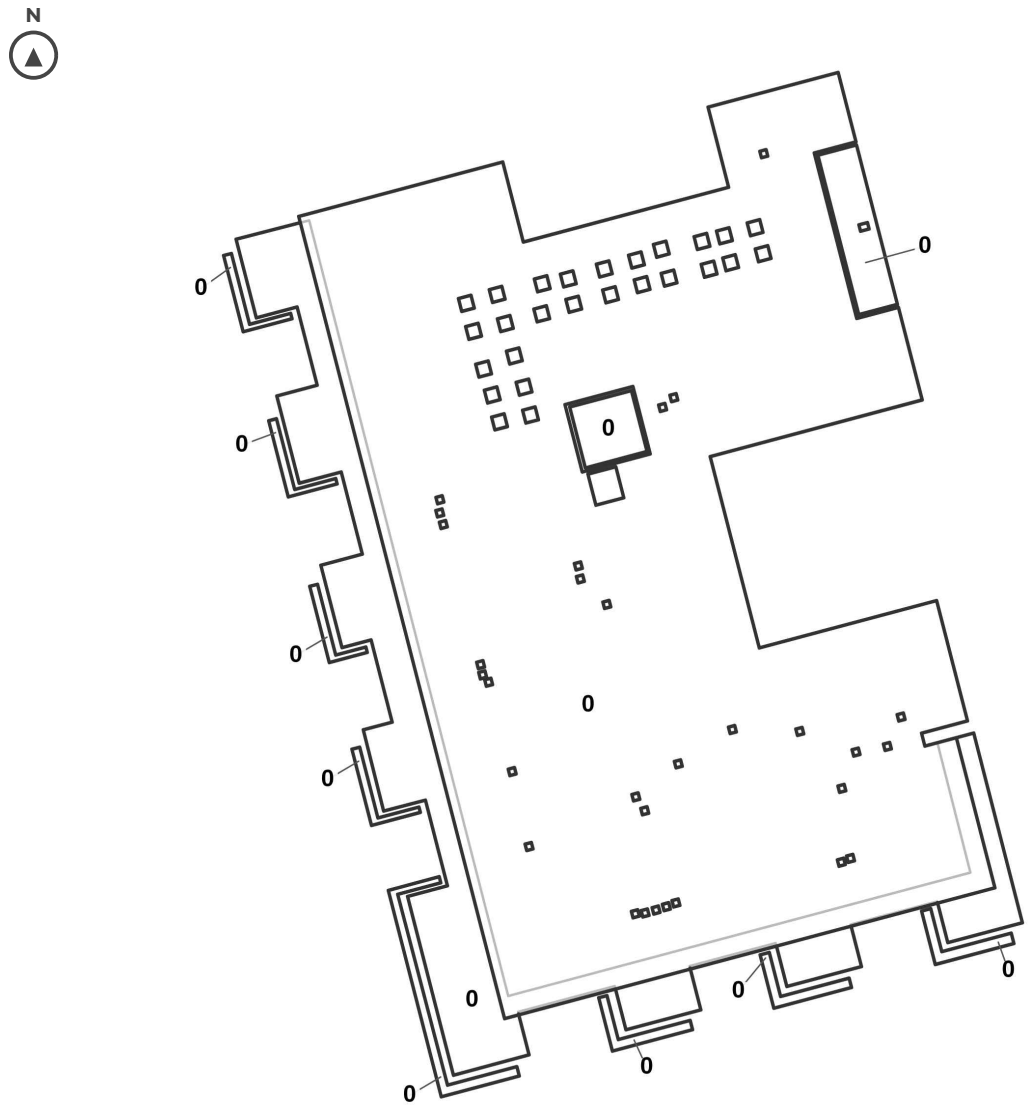
Northwest



Northeast

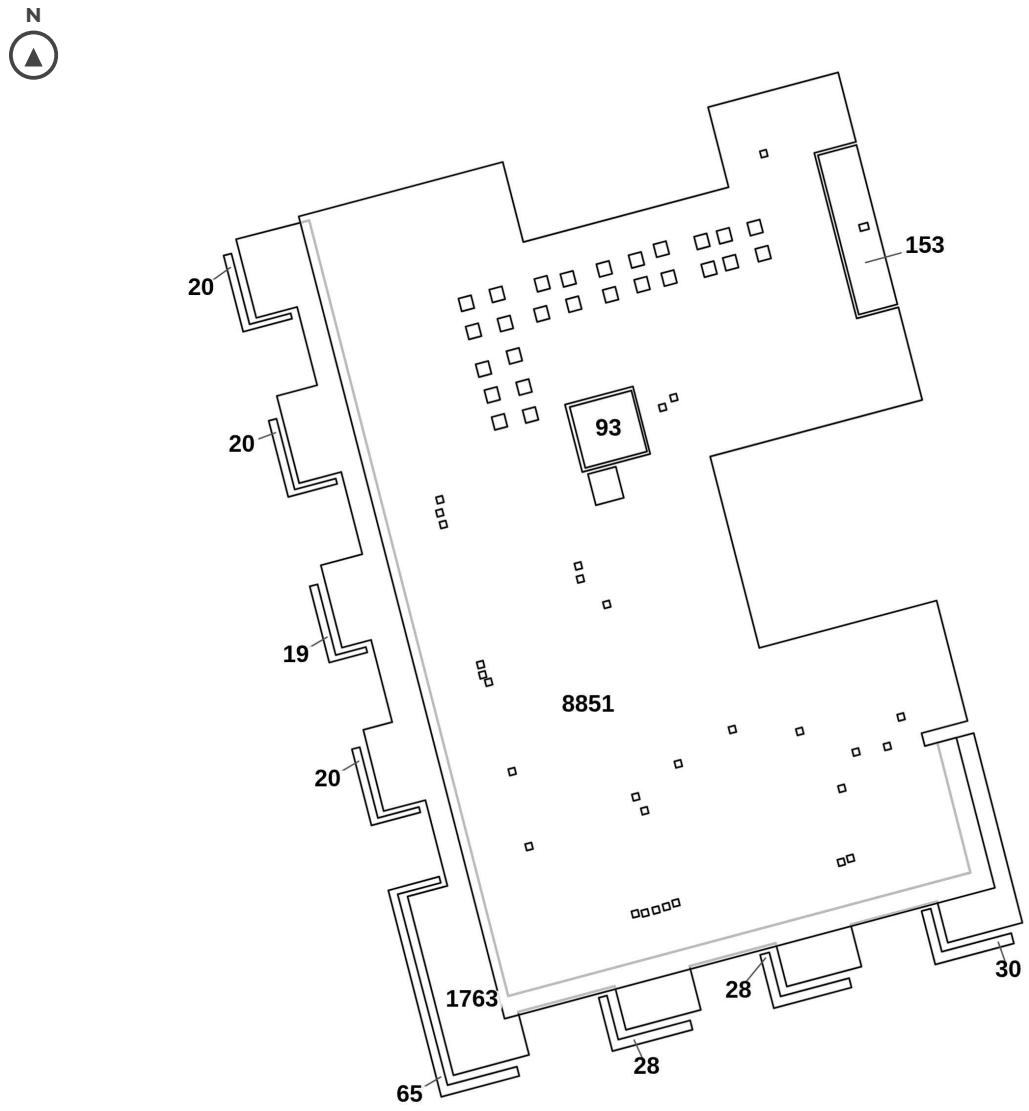


Total Facets: 12



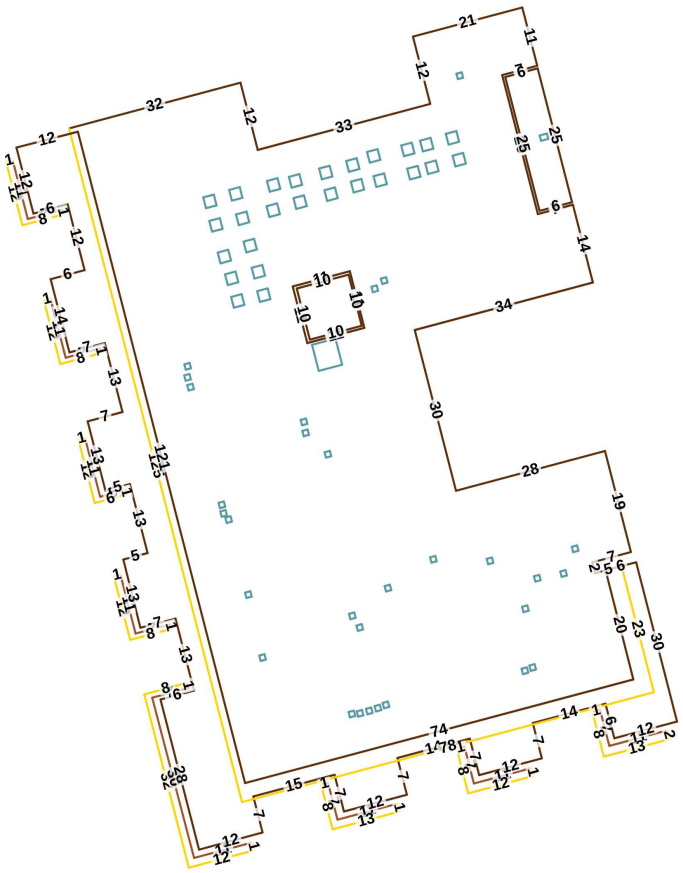
PITCH BREAKDOWN

Pitch	Area	Percent
0/12	110.91	100%



PITCH BREAKDOWN

Pitch	Area	Percent
0/12	110.91	100%



Eave Headwall Flashing Parapet Wall Protrusion

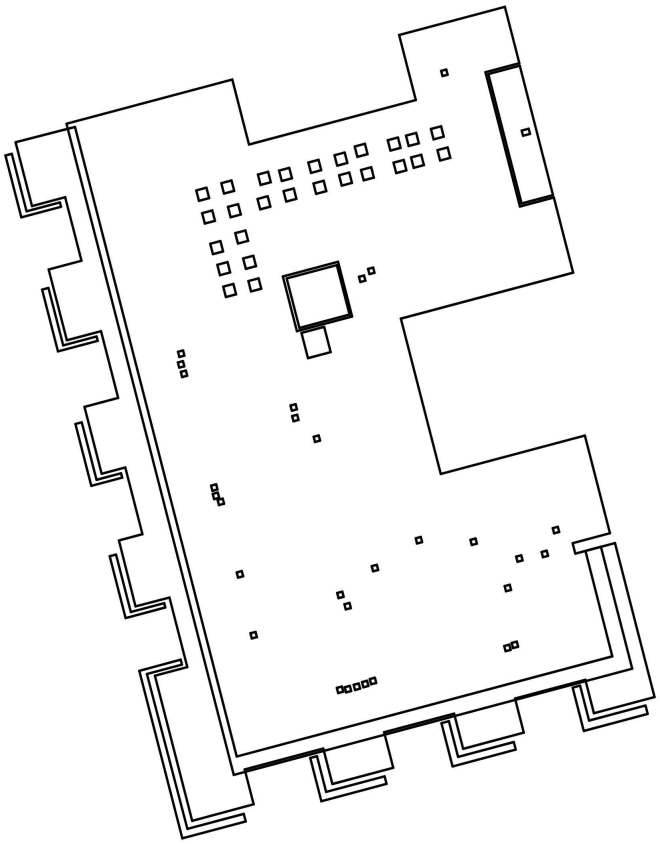
LAYER 1 DETAILS

Facets: 12 **Squares Without Waste: 110.9** **Squares With Waste: 116.5**

Parapet Wall: 1015'	Eave: 430'	Protrusion: 351'	Headwall Flashing: 179'

Pitch	**0/12**
Area (sq ft)	**11,091**
Percent	**100%**

Waste	**0%**	**3%**	**5%**	**7%**	**10%**	**15%**
Area (sq ft)	11,091	11,423	**11,645**	11,867	12,200	12,754
Squares	111	115	**117**	119	122	128



Roof Area	11091 sq ft
Facets	12
Pitch	0 / 12
Eave	430 ft
Headwall Flashing	179 ft
Parapet Wall	1015 ft
Protrusion	351 ft

Measurements rounded. Waste guidance only. Installer to verify.

Flat Roof Area: 11,090.58 sq ft (110.91 sq) | Waste: 5%

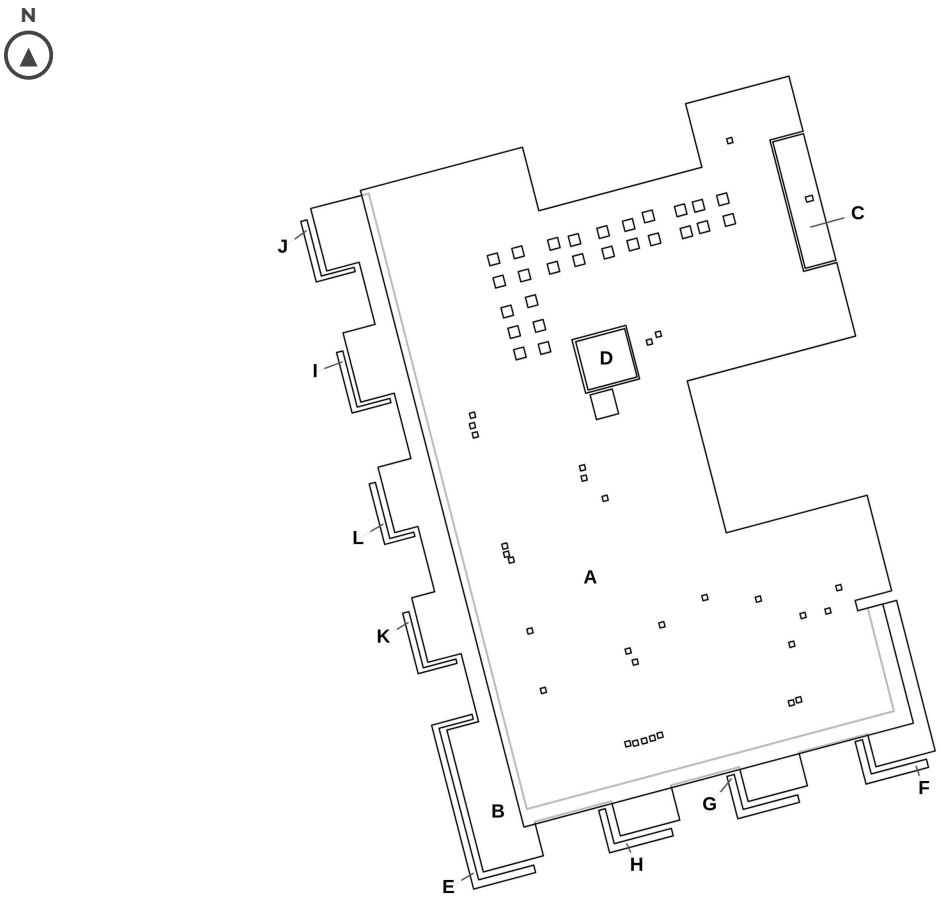
Material	Unit	TPO (Adh)	TPO (MF)	EPDM	PVC	Mod Bit
Membrane System						
Membrane / Cap Sheet	roll	**13**	**13**	**13**	**13**	**117**
Bonding Adhesive	gal	**195**	—	**195**	**195**	—
Insulation & Cover Board						
1/2" 4x8 Cover Board	SQ	**117**	**117**	**117**	**117**	**117**
Cover Board (4'×8')	sheet	**365**	**365**	**365**	**365**	**365**
Polyiso Insulation (4'×8')	sheet	**365**	**365**	**365**	**365**	**365**
3" Insulation Plates	ea	**3295**	**3295**	**3295**	**3295**	**3295**
2" HD Fasteners	1000	**4**	**4**	**4**	**4**	**4**
Mechanically-Fastened (TPO Only)						
2-3/8" Membrane Plates	1000	—	**3**	—	—	—
Seam Fasteners (for membrane plates)	1000	—	**3**	—	—	—
Edge & Termination						
Termination Bar (10 ft)	piece	**108**	**108**	**108**	**108**	**108**
Edge Metal (10 ft)	piece	**46**	**46**	**46**	**46**	**46**
Sealant & Accessories						
Walk Pad (34"×50')	roll	**3**	**3**	**3**	**3**	—
TPO Cut Edge Sealant	each	**6**	**6**	—	—	—
Cleaner	each	**3**	**3**	—	—	—
Universal Single Ply Sealant	tube	**49**	**49**	**49**	**49**	—
Sealant / Caulk	tube	**95**	**95**	**95**	**95**	**95**

Parapet Wall Heights

Parapet Perimeter: 1015' | Waste: 5% | Measure wall height on-site.

Wall Ht	Wall Area	Total Area	Membrane	Add'l Adhesive
12"	1,066 sf	**12,711 sf**	13	18 gal
18"	1,599 sf	**13,244 sf**	14	27 gal
24"	2,133 sf	**13,777 sf**	14	36 gal
30"	2,665 sf	**14,310 sf**	15	45 gal
36"	3,198 sf	**14,843 sf**	15	54 gal
42"	3,731 sf	**15,376 sf**	16	63 gal
48"	4,264 sf	**15,910 sf**	16	72 gal

Sections at 2/12 or below classified as low-slope. Quantities include 5% waste where applicable. Numbers are estimates only.



116.45 sq · 0/12 · 12 facets

NOTES