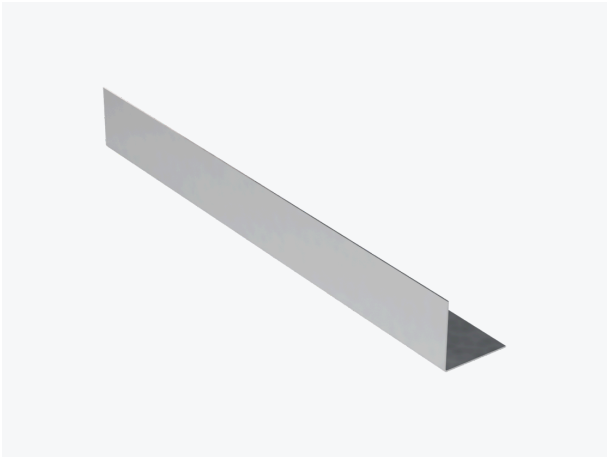
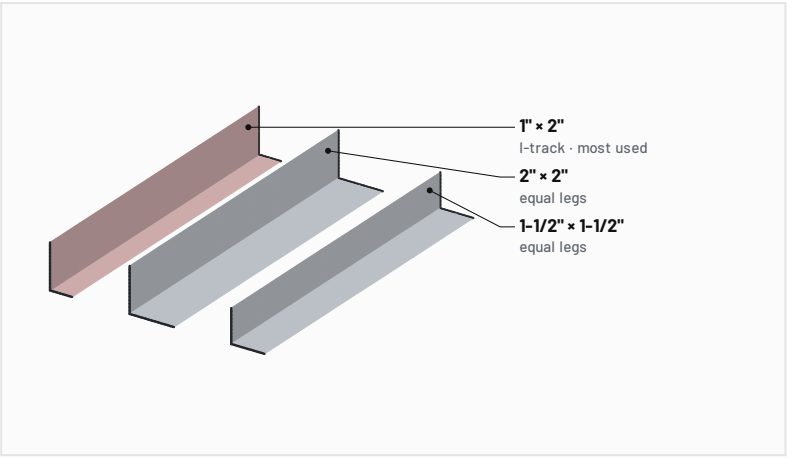
ANGLE/L-TRACK (STEEL ANGLE)

90° steel angle: the 1" × 2" L-track, 2" × 2", 1-1/2" × 1-1/2", and custom angles





PRODUCT 14 · STEEL FRAMING ACCESSORIES

Angle/L-Track is a plain 90° galvanized steel angle for interior framing. The **1" × 2" angle**, the L-track most people ask for, frames bulkheads, columns and soffits and gives them clean, square edges. The 2" × 2" and 1-1/2" × 1-1/2" angles connect, stiffen and finish framing wherever a full stud or track is too big. Any other angle is offered to order.

- 1" × 2" L-track, plus 2" × 2" and 1-1/2" × 1-1/2"
- 18 mil (25 ga) G40 and 33 mil (20 ga) G60
- 33 ksi steel, 10' lengths
- Custom: any legs and angle, 25 to 12 ga, up to 12'

MOST USED	ALSO	ANGLE	THICKNESS	LENGTH	YIELD
1" × 2"	**2" × 2" · 1-1/2"**	**90°**	**18 · 33 mil**	**10'**	**33 ksi**

1 FOUR NAMES

Angle/L-Track
Our product name: a plain 90° steel angle for interior steel stud framing.

L-track
What most installers call the 1" × 2" angle, for its L shape and its use as a light runner.

Steel angle
The general name for every size, equal or unequal legs.

1" × 2" angle
The size people ask for by name: one short leg, one long leg.

2 THE PARTS

1. **Two legs.** Flat legs at 90°: 1" and 2" on the L-track, or equal legs on the other sizes.
2. **Heel.** The bend, with a tight 1/32" (0.0312") inside radius, so the outside corner is crisp and square.
3. **Edges.** Plain slit edges along both legs; cut to length on site with snips or a saw.
4. **Finish.** Galvanized: G40 on 18 mil, G60 on 33 mil.

1" × 2" FIRST
The L-track for bulkheads, columns and soffits

THREE SIZES
1" × 2", 2" × 2" and 1-1/2" × 1-1/2"

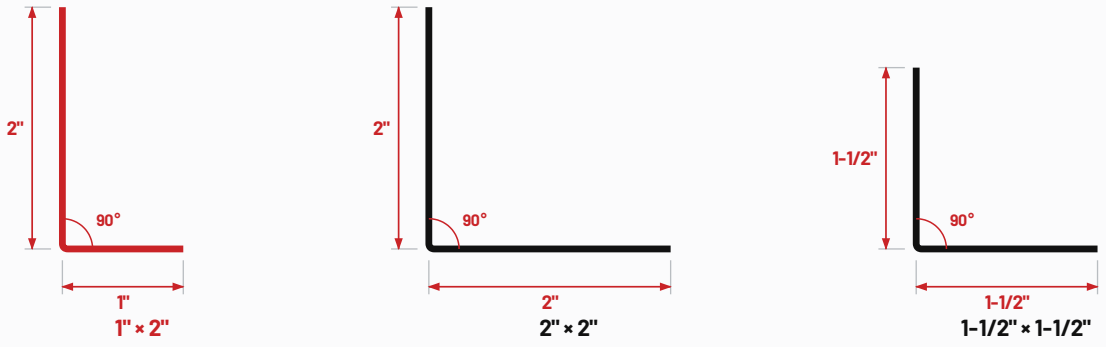
TWO THICKNESSES
18 mil (25 ga) G40 · 33 mil (20 ga) G60

CUSTOM
Any legs, any angle, 25 to 12 ga, up to 12' long

PROFILES & SIZES

Three sizes, two thicknesses, and which to use

3 PROFILES



TO SCALE, THICKNESS ENLARGED · 90° · INSIDE RADIUS 1/32" (0.0312") · 18 MIL (25 GA) AND 33 MIL (20 GA)

4 AT A GLANCE

MOST USED	1" × 2" (L-track)
EQUAL LEGS	2" × 2" · 1-1/2" × 1-1/2"
ANGLE	90°
INSIDE RADIUS	1/32" (0.0312")
THICKNESS	18 mil (25 ga) · 33 mil (20 ga)
STEEL	ASTM A653, 33 ksi minimum yield
COATING	G40 on 18 mil · G60 on 33 mil
LENGTH	10'; custom up to 12'
STANDARD	ASTM C645

5 SIZES · 6 ITEMS

SIZE	ANGLE	THICKNESS	GAUGE	DESIGN T (IN)	COATING	LENGTH	LB/FT *	LB PER 10' *
1" × 2"	90°	○ **18**	25	0.0188	G40	10'	0.19	1.9
1" × 2"	90°	○ **33**	20	0.0346	G60	10'	0.35	3.5
2" × 2"	90°	○ **18**	25	0.0188	G40	10'	0.26	2.6
2" × 2"	90°	○ **33**	20	0.0346	G60	10'	0.47	4.7
1-1/2" × 1-1/2"	90°	○ **18**	25	0.0188	G40	10'	0.19	1.9
1-1/2" × 1-1/2"	90°	○ **33**	20	0.0346	G60	10'	0.35	3.5

* Approximate weight from leg A + leg B × design thickness, steel at 490 lb/ft^3; for estimating and handling only.

6 WHICH SIZE

1" × 2" · the L-track

Bulkheads, column boxes and soffits, wall and ceiling runners for light framing, and the ceiling perimeter. The 2" leg gives room for screws; the 1" leg stays small.

2" × 2"

More bearing and more room for fasteners on both legs: heavier soffits, corners of larger boxes, lapped connections.

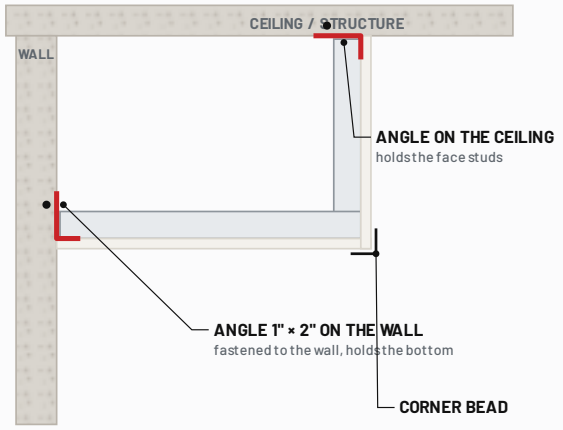
1-1/2" × 1-1/2"

A neat, balanced angle for runners, chase walls and laminated partitions.

WHERE IT IS USED

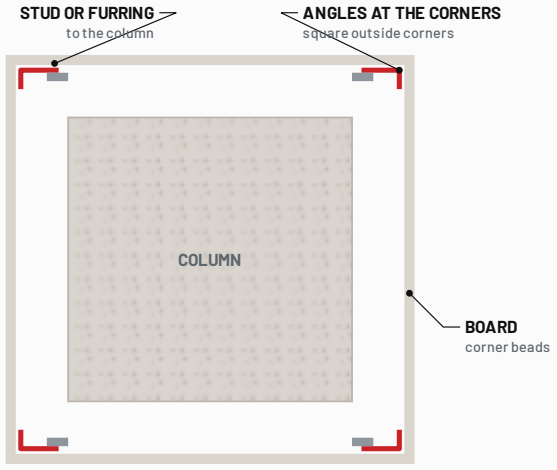
Bulkheads, columns, ceiling edges and partitions

7 BULKHEAD



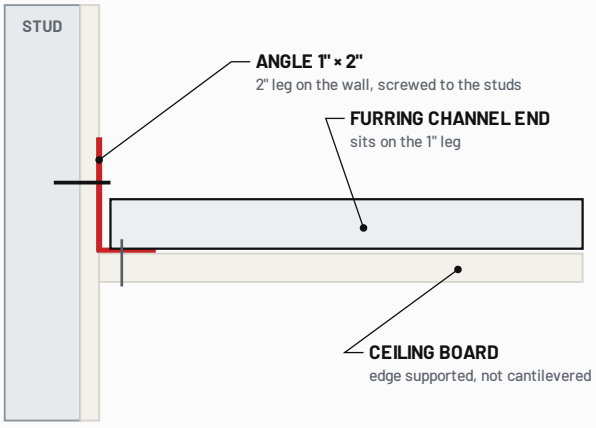
SECTION · DRYWALL BULKHEAD

8 COLUMN BOX



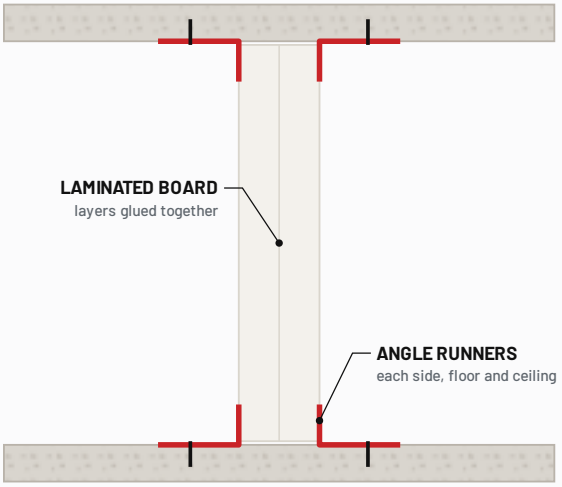
PLAN · COLUMN BOX

9 CEILING PERIMETER



SECTION · CEILING PERIMETER

10 LAMINATED PARTITION



SECTION · LAMINATED PARTITION

Bulkheads and soffits

L-track on the wall and the ceiling carries the studs of the bulkhead and gives its edges a straight line.

Columns and boxes

Angles at the corners of a column or duct box keep the outside corners square and straight.

Floor and ceiling runners

A light runner where a full track will not fit, and the edge support of drywall ceilings.

Chase walls and lapped framing

Ties chase-wall studs together, laps and reinforces members, and closes laminated partitions.

CUSTOM ANGLES

Any legs, any angle, 25 to 12 ga, up to 12 feet

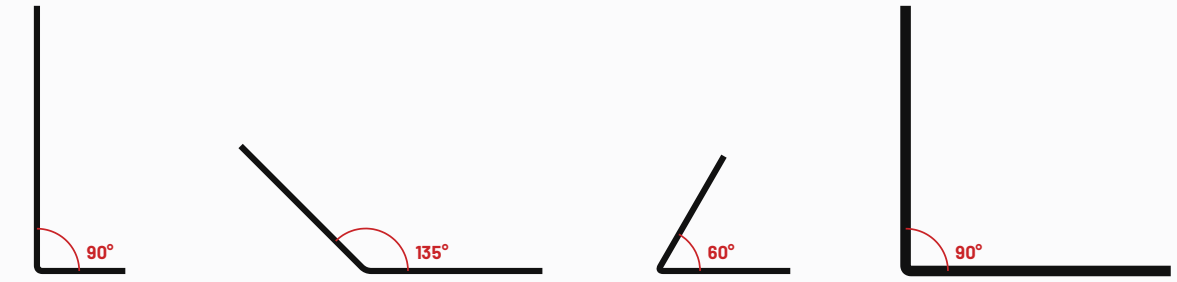
CUSTOM PROFILES

When a job needs an angle other than the three standard sizes, Saturn Metal offers custom angles to order: any leg lengths, equal or unequal, any angle between the legs, from 18 to 97 mil (25 to 12 ga), in lengths up to 12'. One profile drawing is all it takes.

Custom Bend Request

Send the dimensions or a sketch, with lengths and quantities, to Sales@SaturnMetal.ca. We confirm the profile drawing before the order goes ahead.

11 EXAMPLES OF CUSTOM ANGLES



ANY LEGS
unequal, e.g. 1" × 3"

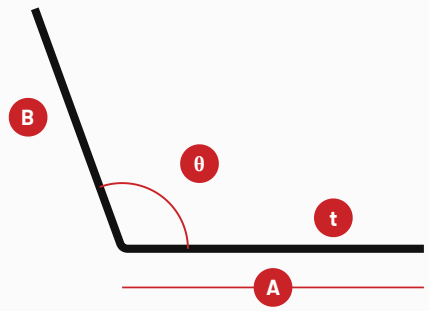
OPEN ANGLE
135°, e.g. 2" × 2"

CLOSED ANGLE
60°, e.g. 1-1/2" × 1-1/2"

HEAVY
3" × 3", up to 12 ga

EXAMPLES ONLY, TO ONE SCALE · ANY LEGS, ANY ANGLE, 18 TO 97 MIL (25 TO 12 GA), LENGTHS UP TO 12'

12 WHAT TO TELL US



A · B LEGS · θ ANGLE · t THICKNESS · L LENGTH

- Leg A and leg B, and which face the dimension is to
- Angle θ between the legs
- Thickness: 18 to 97 mil (25 to 12 ga), and the coating
- Length of each piece, up to 12', and the quantity
- Holes, slots or notches, if any
- A sketch or the detail from the drawings; our Custom Bend Request form lists all of it

Unequal legs
A long leg for fastening, a short leg to hide: 1" × 3", 1-1/2" × 2-1/2" and so on.

Other angles
Open angles for sloped soffits and ceilings, closed angles for special corners.

Heavier steel
Up to 12 ga where an angle carries load or must stay straight over a long span, by design.

Longer lengths
Up to 12' to cut joints in long runs.

MATERIAL, FASTENING & INSTALLATION

Steel and coating, screws, steps and a takeoff

13 MATERIAL

STEEL	Galvanized sheet steel to ASTM A653, 33 ksi (230 MPa) minimum yield
COATING	G40 on 18 mil · G60 on 33 mil (custom: as ordered)
THICKNESS	18 mil (0.018" min., 0.0188" design) · 33 mil (0.033" min., 0.0346" design)
MEMBER STANDARD	ASTM C645
TOLERANCE	Inside radius 1/32"; angle 90°
MATERIAL CERTIFICATES	On request, with the order

14 FASTENING

TO STEEL STUDS AND TRACK	Pan or wafer head framing screws, #8 type S
TO CONCRETE OR MASONRY	Concrete screws, pins or anchors rated for the base
TO WOOD	Screws or nails
BOARD TO THE ANGLE	Type S drywall screws to 18 and 33 mil; self-drilling screws to heavier custom angles
SPACING	As the design shows; commonly 16" to 24" o.c. along each leg

15 TYPICAL INSTALLATION

1. Lay out the line with a laser or chalk line; check level for ceilings and soffits.
2. Cut to length with snips or a saw; clean the cut edge.
3. Fasten the long leg to the wall, ceiling or framing at the spacing shown, close to each end.
4. Set studs, furring or board on or against the other leg and fasten them to it.
5. Lap or butt joints over a support; keep runs straight and the corners square.

16 DO & DON'T

DO	fasten close to the ends of every piece
DO	use the 2" leg of the L-track for fastening where you can
DO	keep the angle straight: it is the line the finish follows
DON'T	use a light angle as a structural member without a design
DON'T	leave cut edges where they can cut hands or wires
DON'T	bend an angle round a corner; cut and join it

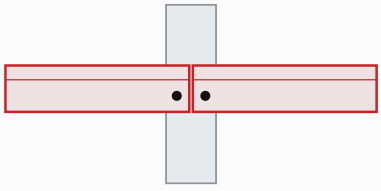
17 TAKEOFF EXAMPLE

EXAMPLE · A 20' BULKHEAD, 12" × 18", ON ONE WALL	QTY	HOW
1" × 2" on the wall and on the ceiling	40 LF · 4 pcs	2 lines × 20' ÷ 10'
Fasteners at 16" o.c., each line	32	2 × (240" ÷ 16" + 1)
Weight, 18 mil	7.7 lb	40 × 0.19 lb/ft

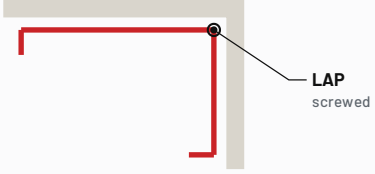
18 STORAGE

Store bundles flat, dry and off the ground under ventilated cover; support long bundles so the legs do not kink. Edges are sharp: use gloves and appropriate PPE.

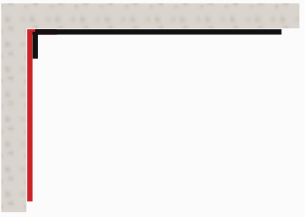
19 JOINTS AND CORNERS



BUTT JOINT
over a stud or support, a screw each side



OUTSIDE CORNER
one leg snipped back, the pieces lap



INSIDE CORNER
one runs through, the other butts to it

JOINTS AND CORNERS · KEEP RUNS STRAIGHT, JOIN OVER SUPPORTS, NEVER BEND AN ANGLE ROUND A CORNER

QUESTIONS, SPECIFYING & NOTICE

Common questions, specification guide, standards and certification

20 COMMON QUESTIONS

What is L-track?
The 1" × 2" angle. Installers call it L-track for its shape and its use as a light runner for bulkheads, columns and soffits.

Which thickness?
18 mil (25 ga) for most interior trim and runners; 33 mil (20 ga) where the angle carries more, takes more screws or must stay straighter.

Can I get other sizes?
Yes. Any legs and any angle are offered to order, 18 to 97 mil (25 to 12 ga), up to 12' long.

Is it the same as a corner bead?
No. Corner bead finishes a board corner under compound. The angle is framing: it carries and lines up studs and board.

Is it structural?
It is a non-structural framing member to ASTM C645. Load-bearing uses need a design.

Is it certified?
Our cold-formed framing members are product certified by CISC to CSSBI 61:24; see the certification note below.

21 SPECIFICATION GUIDE

Section 09 22 16, Non-Structural Metal Framing. Steel angle (Angle/L-Track), 90°, sizes as shown: 1" × 2", 2" × 2" or 1-1/2" × 1-1/2"; 18 mil (25 ga) G40 or 33 mil (20 ga) G60, as shown; steel to ASTM A653, 33 ksi minimum yield; member to ASTM C645; Saturn Metal DS-14. Custom angles as detailed. Fasten to the supporting construction at the spacing shown and within reach of each end; joints over supports.

22 STANDARDS

- ASTM C645 · non-structural framing members
- ASTM A653 · steel and coating
- ASTM C754 · installation of framing
- ASTM C840 · gypsum board
- CSSBI 61:24 · member certification

23 GOES WITH

- Interior steel stud and track · DS-01
- 7/8" furring channel · DS-11 (ceiling perimeter)
- Corner beads · DS-17, DS-18
- Custom bent profiles · DS-30

Certification: our cold-formed framing members are product certified by CISC to CSSBI 61:24. Certification covers only the members named in our current Product Scope Listing; confirm the status of a specific member, and of any custom angle, with us before relying on it.
Technical questions and quotes: +1 (416) 746-8000 · Sales@SaturnMetal.ca · www.SaturnMetal.ca

IMPORTANT NOTICE

This data sheet gives general product information only. It is not engineering, design or installation advice. A qualified design professional must review every application, and the building code and project documents always govern. Angle/L-Track is a non-structural framing member; any load-bearing use needs a design. Drawings are schematic and not to scale unless noted; dimensions are nominal and subject to standard tolerances. Values marked typical, approximate or commonly specified are for reference only. Standards are referenced by name for identification; always use the edition required by the governing code. Saturn Metal may change products and information without notice; confirm current data before ordering or specifying. Warranties and remedies, if any, are only those in Saturn Metal's written terms of sale. Names of standards bodies and certification programs belong to their owners. Saturn Metal is a manufacturer and/or supplier of metal products; this data sheet does not mean that the product shown is manufactured by Saturn Metal. © Saturn Metal