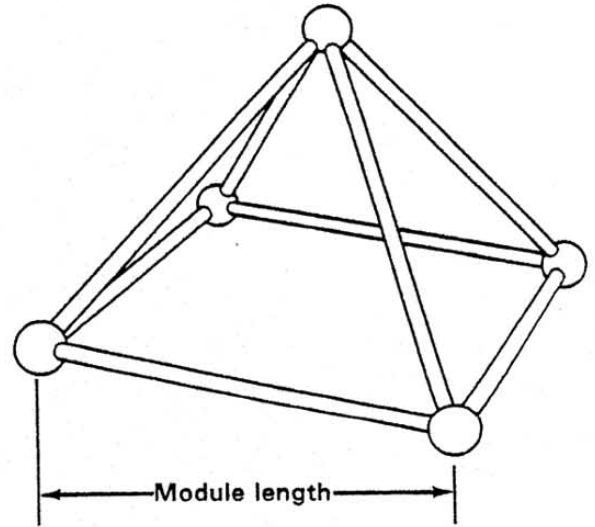
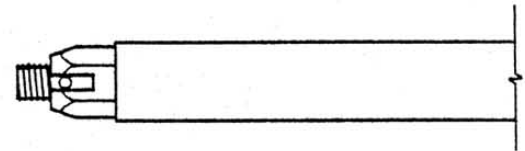


The **Axent Display System** consists of two major components - tubes and nodes - assembled together to form modules.

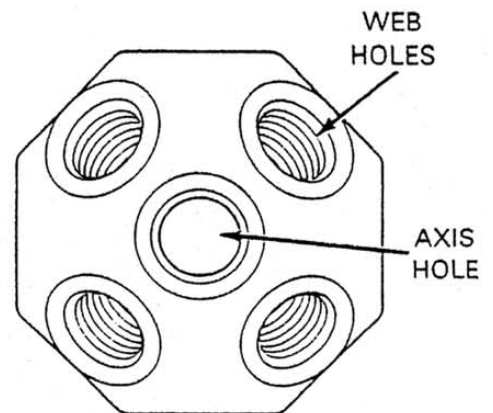
- A module is a series of tubes interconnected by nodes to form a prescribed pattern.
- Since most **Axent** space-frames are equilateral polygons, the module size is the length of one square or rectangular side from one node to the center of the adjacent node.



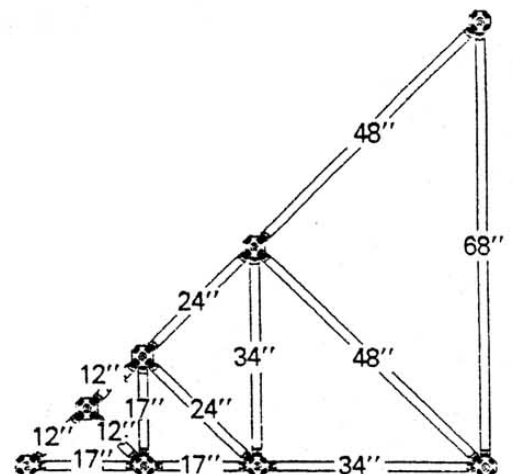
TUBE



TOP VIEW OF NODE



- Standard Module lengths begin at 12" and progress geometrically by a factor of $\sqrt{2}$. The standard tubes are designated by the module length they form rounded to the nearest inch.



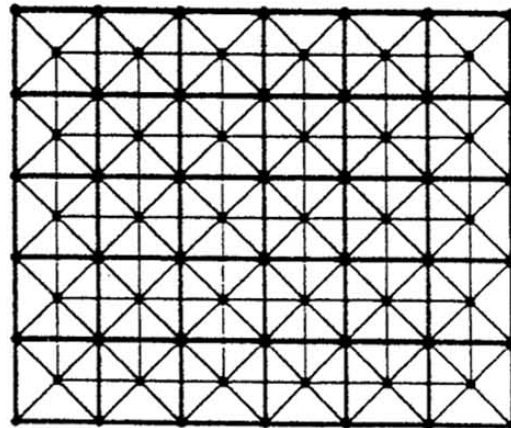
- Nodes are designated by their number of holes and their geometric pattern.
- Axent is available in three materials: Plastic, Aluminum and Steel.
- Part numbers for tubes and nodes are designated by material (P, A or S); item (T or N); module size or node number as shown below.

Axent	Material	Tube or Node	Module Length of Node Number					
X	P or A* or S	T	12"	17"	24"	34"	48"	68"
			1200	1700	2400	3400	4800	6800
		N	6 Hole		14 Hole		26 Hole	26 Hole
			12 Hole		18 Hole	18 Hole		
		0600	1200	1400	1800	1801	2601	2602

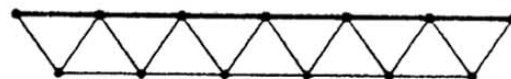
- EXAMPLE: An **Axent** 18 Hole plastic node would be designated XPN1800 (color).
- EXAMPLE: An **Axent** Steel Tube for a 17" module would be designated XST1700 (finish).

* Aluminum is available in three diameters (7/8", 1-1/4", and 1-9/16"), designated by an additional digit in the part number (XAT17002). See Pricing Sheet for additional information.

Heaviest line weight — indicates top chord
 Middle line weight — indicates webs
 Lightest line weight — indicates bottom chord



PLAN VIEW



ELEVATION VIEW

QUICK MATERIAL COUNT

- When using the standard module.
- All tubes are the same length and all nodes are 1800 nodes.

1. Total Number of Tubes =
Total Number of Modules x 8
2. Total Number of Nodes =
[(number of modules in a horizontal row + 1) x (number of modules in a vertical row + 1) + (total number of modules)]

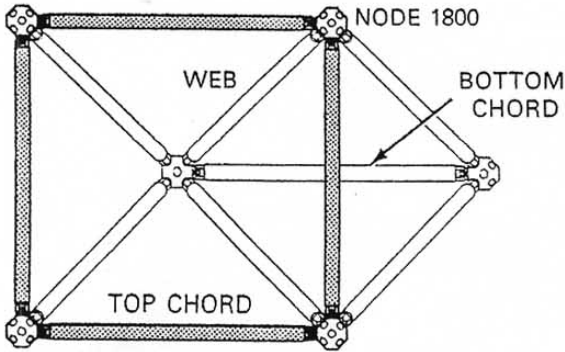
EXAMPLE:

Total Number of Tubes = (6 x 5) 8 = 240 Tubes

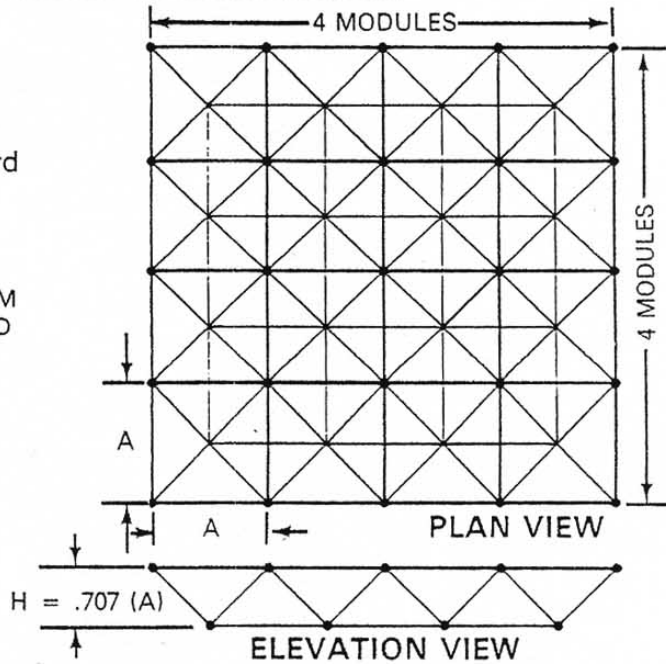
Total Number of Nodes = [(6+1) x (5+1) + (6+5)] = 72 nodes

STANDARD MODULE

Heaviest line weight **—** indicates top chord
 Middle line weight **—** indicates webs
 Lightest line weight **—** indicates bottom chord



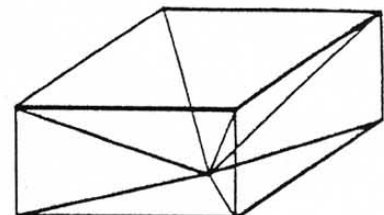
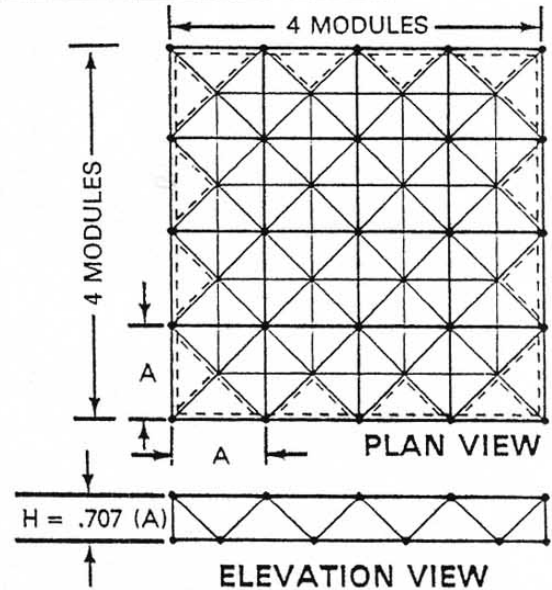
DETAIL — PLAN VIEW SHOWING NODE 1800 ORIENTATION



STANDARD MODULE WITH EDGE-FRAMING

Heaviest line weight **—** indicates top chord
 Middle line weight **—** indicates webs
 Lightest line weight **—** indicates bottom chord
 Dotted line **---** indicates hidden tubes

- Edge facing refers to squaring off the perimeter of the space-frame. Since the perimeter is sloped, the edge facing makes the outer edges square. This application is occasionally desired to secure such things as signs, headers, banners, and the like, both for aesthetic and structural reasons.
- The web and vertical tubes used for edge-facing are the same length and will be the next standard length shorter than the module size used.

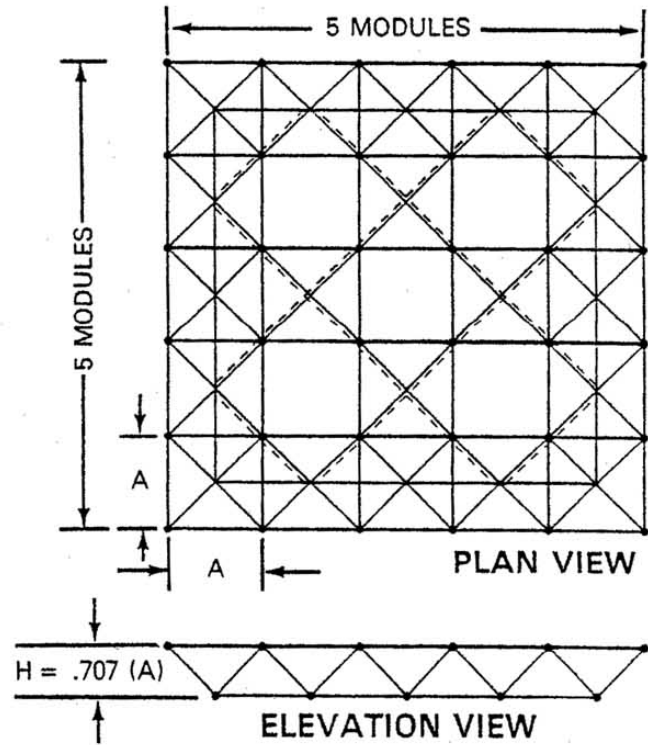
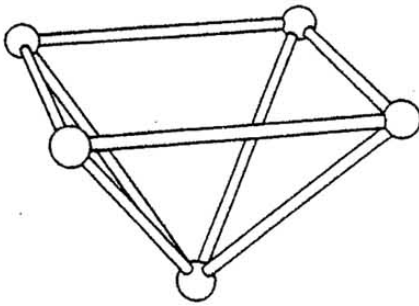


ISOMETRIC OF SPACE-FRAME CORNER

ALTERNATING MODULE

Heaviest line weight — indicates top chord
 Middle line weight — indicates webs
 Lightest line weight — indicates bottom chord
 Dotted line — indicates hidden diagonal tubes

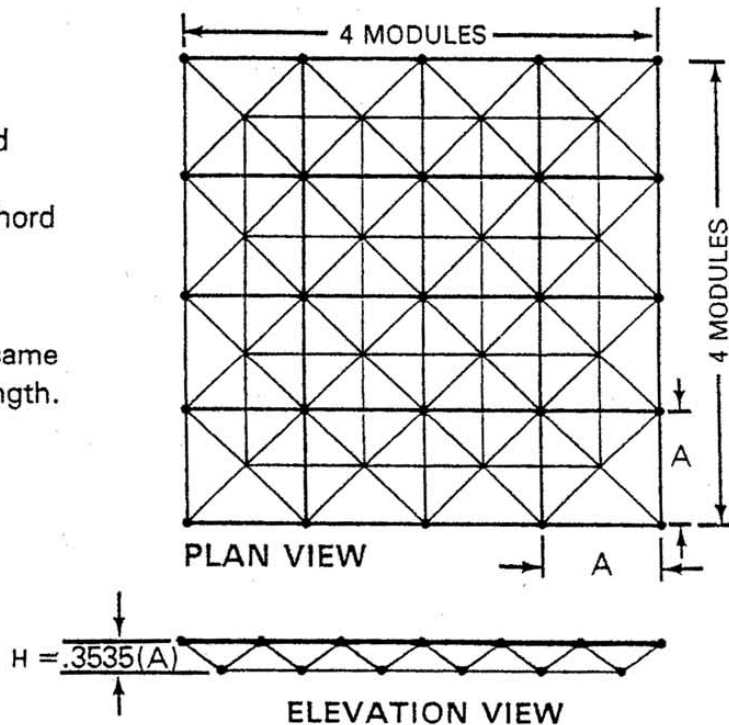
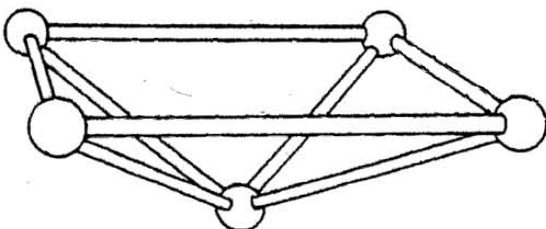
- All top, bottom, and web tubes are the same length. Diagonal tubes are the next standard length longer.
- All nodes are an 1800 node.



REDUCED DEPTH MODULE

Heaviest line weight — indicates top chord
 Middle line weight — indicates webs
 Lightest line weight — indicates bottom chord

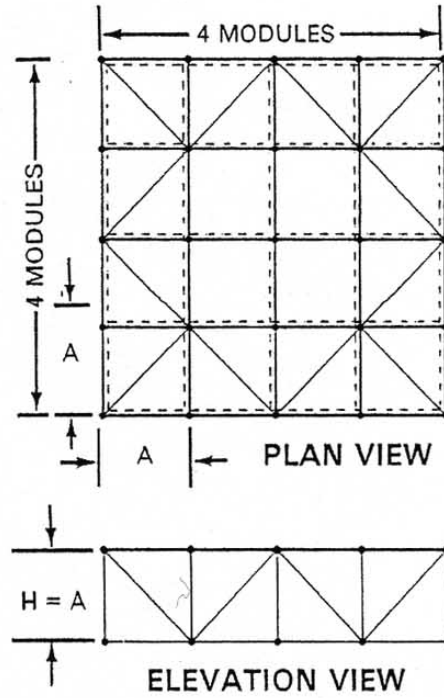
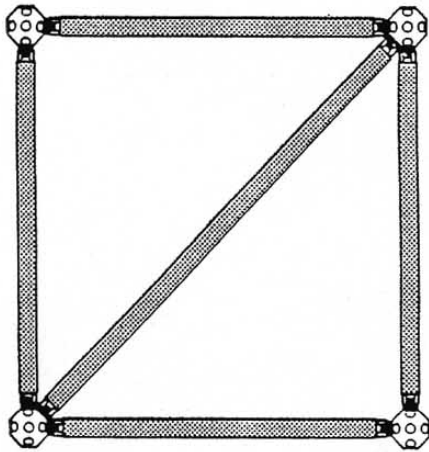
- All top and bottom chord tubes are the same length. All web tubes are a different length. All nodes are a 1400 node.



CUBE MODULE

Heaviest line weight — indicates top chord
 Middle line weight — indicates webs
 Lightest line weight — indicates bottom chord
 Dotted line --- indicates hidden diagonal tubes

- All horizontal and vertical tubes are the same length. Diagonal tubes are the next standard length longer. All nodes are an 1800 node.



TRIANGULAR MODULE

Heaviest line weight — indicates top chord
 Middle line weight — indicates webs
 Lightest line weight — indicates bottom chord

- All tubes are the same length. All nodes are an 1800 node.

