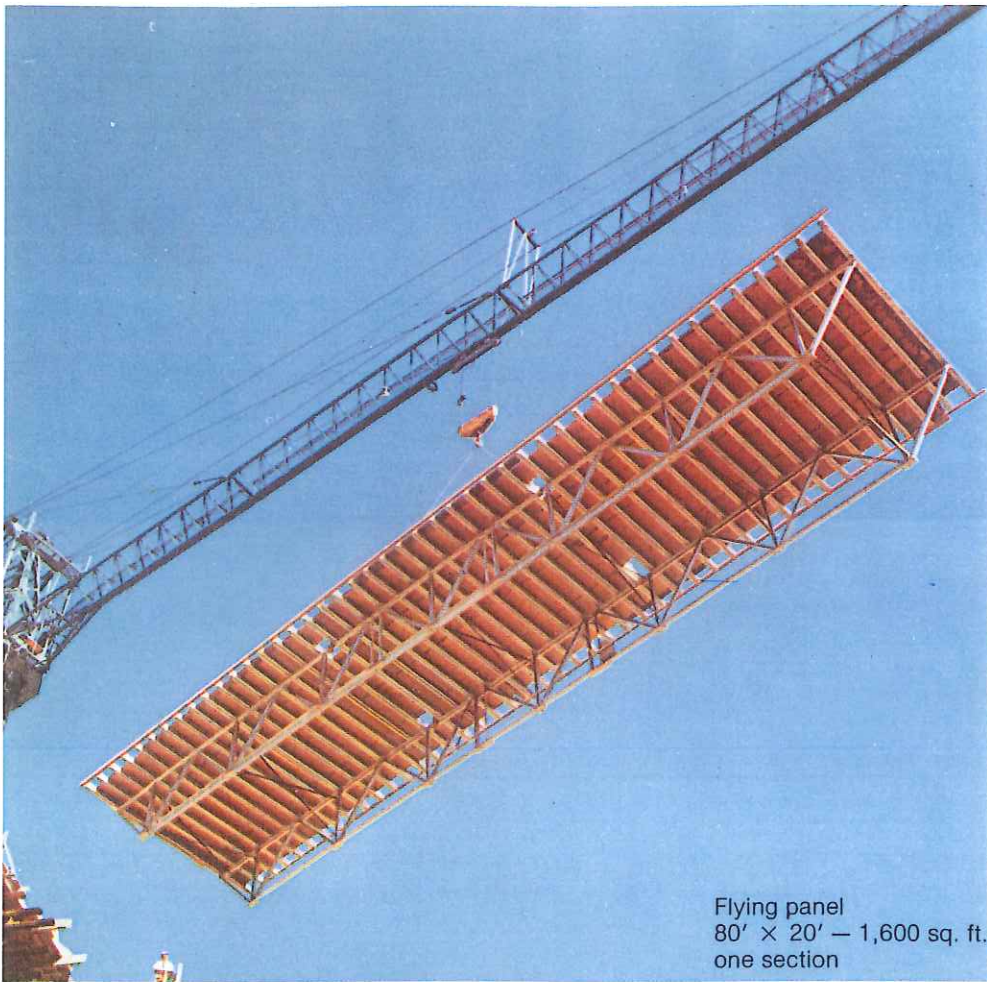


Flying Forms by ALUMA-SYSTEMS*

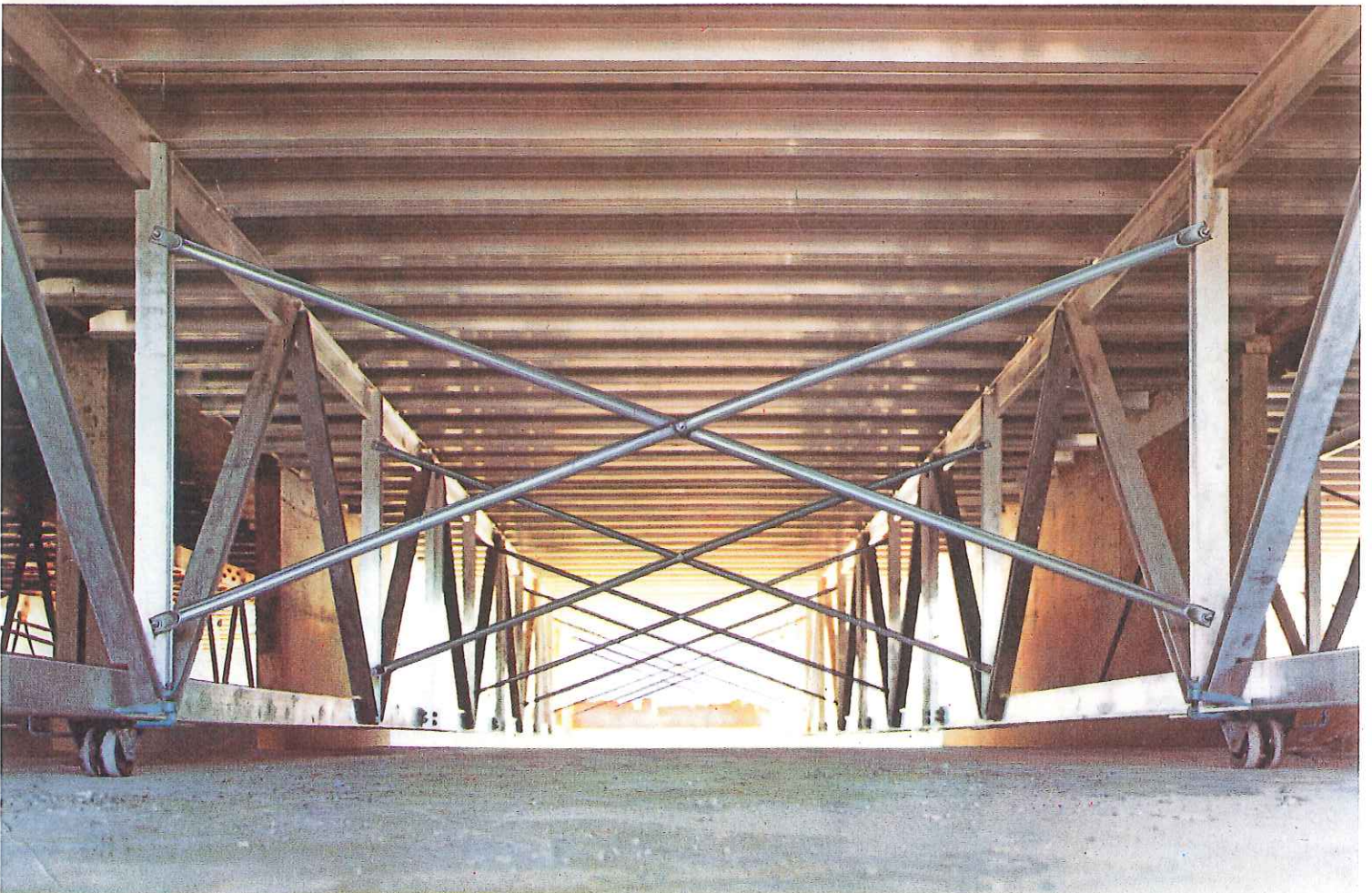


An ALUMA* Flying Form, supporting a complete bay, can easily be moved from floor to floor by an average capacity tower crane. The use of these large panels, up to 2100 sq. ft. in size, reduces not only the over-all manpower required, but also the percentage of skilled labour. The resulting time saved during the flying operation speeds up the entire construction process.

Once the form has been initially assembled on the lower floors, it remains intact throughout the entire project. This feature eliminates the normal stripping operation encountered with knockdown systems.



Flying panel
80' x 20' — 1,600 sq. ft.
one section



The use of larger forms reduces the number of fillers compared with conventional flying forms. This produces additional labour savings and results in superior quality through the elimination of decking joints. Material wastage from loss, damage, and cutting is also reduced. Far fewer adjustments (jacks) are required for this system compared with other more conventional knockdown or flying systems.

The extreme cantilevers possible with the basic ALUMA truss design permit its use on a greater number of projects of varying structural design.

Transportation costs are kept to a minimum through the use of high strength to weight aluminum sections and advanced structural design.

The forms are supported and levelled by screw jacks of cast aluminum attached to the bottom of the trusses at nominal 10' o.c. These units remain attached to the bottom chord as they incorporate a hinge with a locking device enabling them to be swung up and out of the way during the flying operation. Conventional wood blocking is thus eliminated.

Ball bearing glides or casters designed to permit easy removal of the large panels are also available with the system.

Rental rates competitive with other systems allow Aluma Building Systems' customers the opportunity of taking full advantage of the superior features shown in this brochure.

1. ALUMA truss sections are delivered pre-assembled in nominal 5 ft., 10 ft., and 30 ft. lengths.

2. These sections are light enough to be manhandled during initial assembly on the lower floors.

3. Pre-drilled and with connectors supplied, the sections can be assembled very quickly into the lengths required.

4. Up to 80 ft. truss sections can be moved into final position without the need of a crane.

5. The high strength to weight ratio ALUMA beams, in lengths up to 18 ft., can easily be manhandled during assembly.

6. Beams are set on the trusses at pre-determined intervals — up to 2 ft. on centers.

7. A slot in the bottom flange of the beam enables it to be secured quickly and economically to the truss by a clamp assembly.

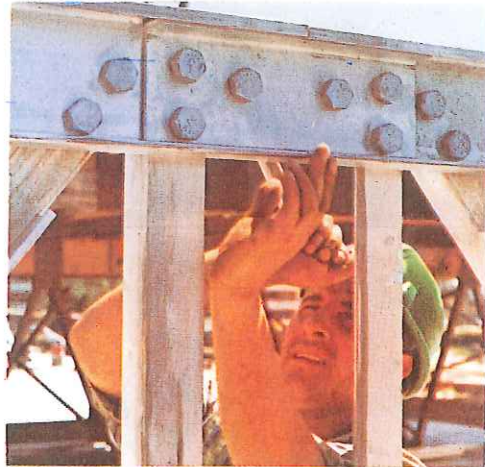
8. Plywood decking is nailed to the 2 x 2 inch nailing strip incorporated in the beam.



1



2



3



4



5



6



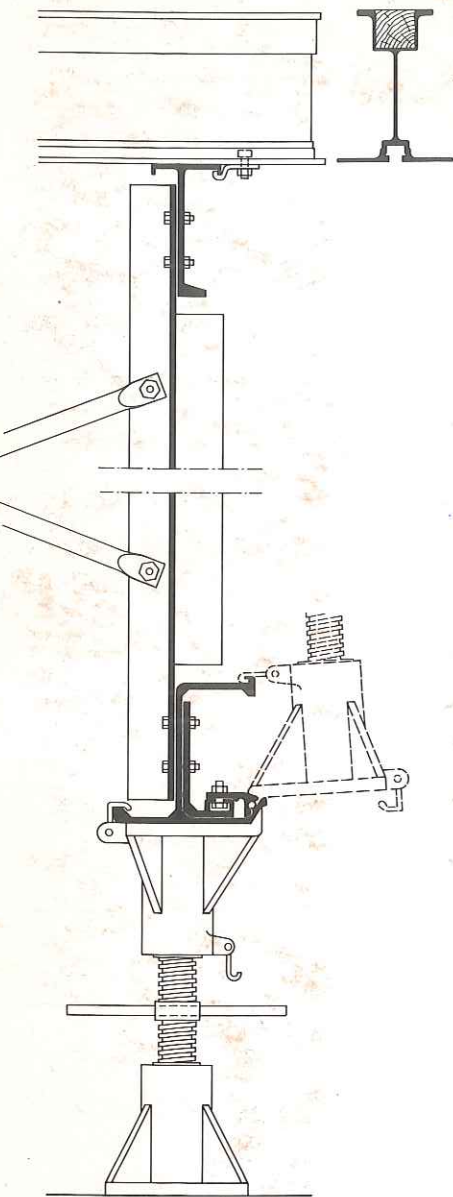
7



8

Hinged screw jacks attached to the ALUMA trusses eliminate the need for conventional wood blocking. Ball-bearing glides or casters for rolling the form out are available with the system.

Jack Assembly



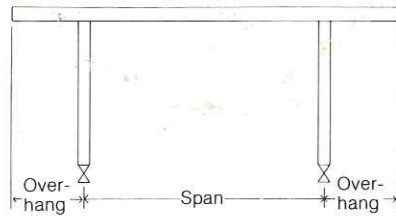
The entire system has been field and laboratory tested by independent engineering firms in cooperation with the University of Toronto. Detailed reports are available which substantiate the following information.

Capacities (with factor of safety 2.5)

Aluma truss	2,500 lb/lin. ft.
Aluma extension legs, fully extended	20,000 lb/leg
Aluma truss jacks	30,000 lb
Aluma beam weight	3¼ lb/ft.

Capacities of standard length Aluma beams on trusses in lbs/ft. (factor of safety 2.5)

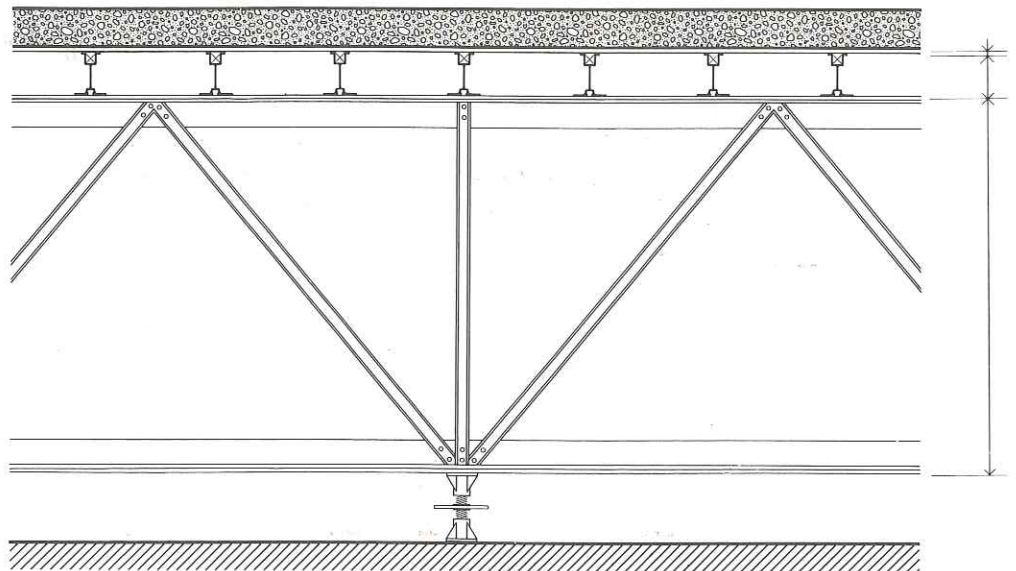
Overhang	Span			
	7 ft	10 ft	12 ft	
0'-3"	N/A	10'-6" Beam 235 355	N/A	
1'-0"	N/A	12'-0" Beam 245 370	14'-0" Beam 140 255	
1'-9"	10'-6" Beam 370 610	N/A		N/A
2'-0"	N/A	14'-0" Beam 290 425	16'-0" Beam 155 280	
2'-6"	12'-0" Beam 535	N/A		N/A
3'-0"	N/A	16'-0" Beam 400 400	18'-0" Beam 195 330	
3'-6"	14'-0" Beam 455	N/A		N/A
4'-0"	N/A	18'-0" Beam 355	N/A	



Deflection Limit = $\frac{\text{Span}}{360}$

Deflection Limit cannot be reached

For information contact:

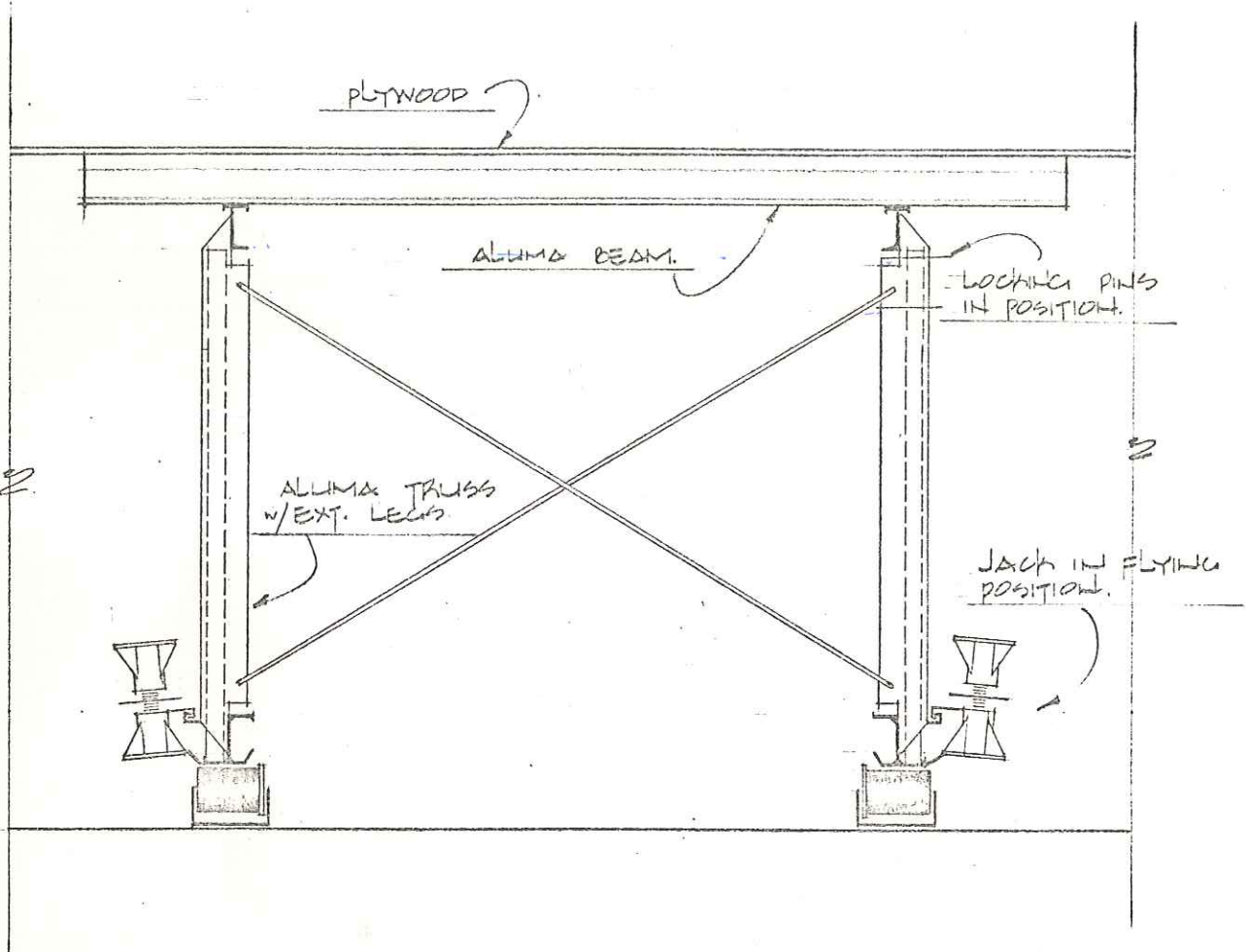


Aluma Building Systems Inc.

4800 Dufferin Street,
Downsview, Ontario, Canada M3H 5S9
Telephone 416/661-9290
Telex: 06-23498

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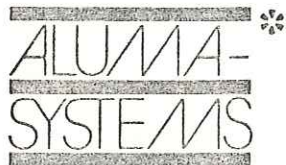
Patented in Canada 1974, 1976.
U.S. Patent 3787020 and 3899152.
Patented and patents pending in all major countries.
*Registered trade marks of Aluma Building Systems Inc.



ALUMA TRUSS WITH EXTENSION LEGS CLOSED.

DWN	R.C.D.	DATE 15 Dec. 76	SCALE 1/2" = 1'-0" CHKD	PART NO.	REV N
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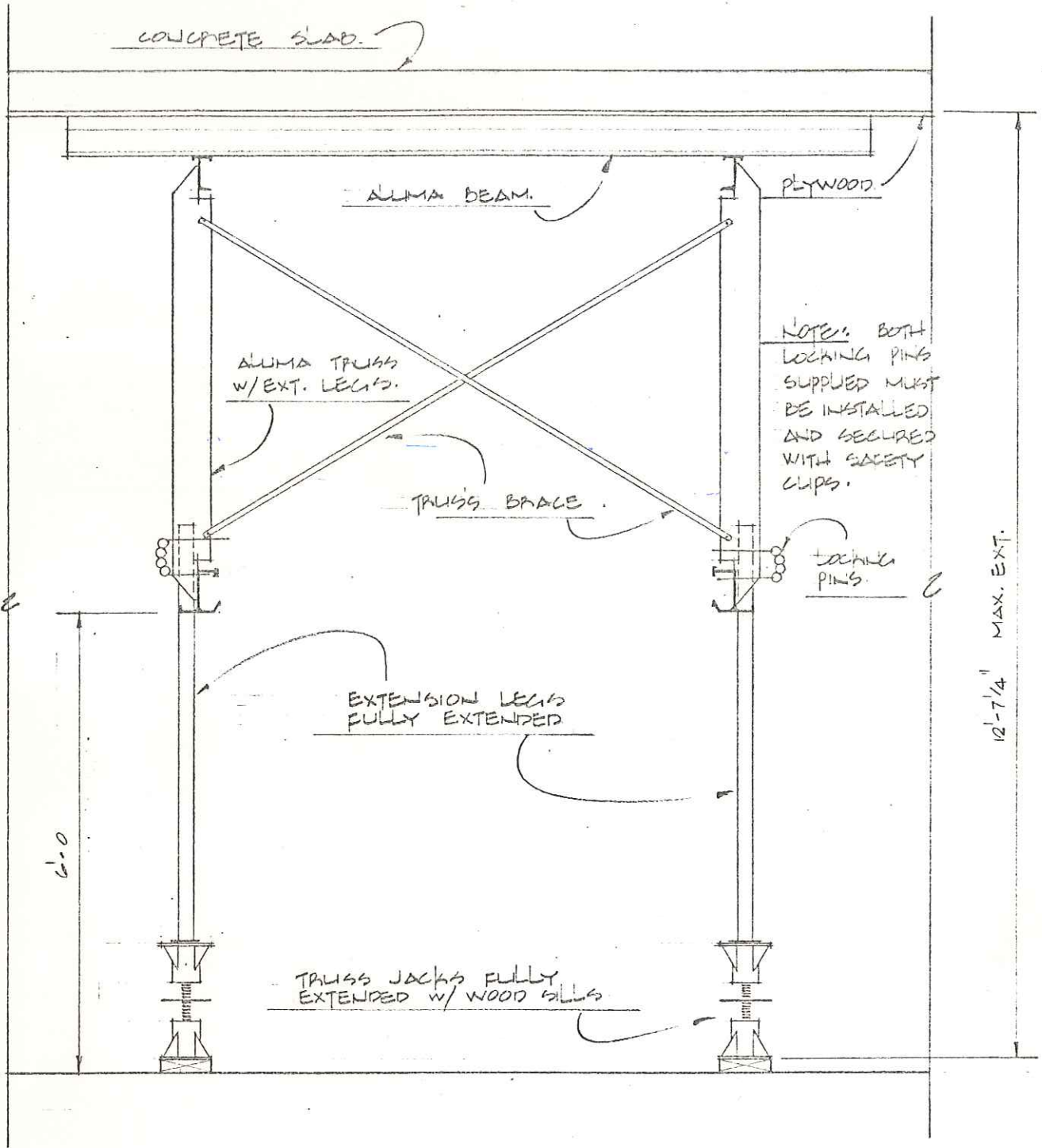
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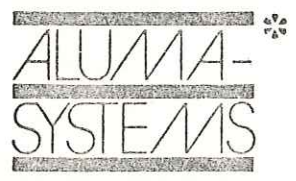
SYSTEM	TRUSS SYSTEM	DRAWING NO. AD-313-01	REV. △
TITLE	EXTENSION LEGS -		



ALUMA TRUSS W/ EXT. LEGS. @ MAX. HEIGHT.

DWN R.C.D.	DATE 14 Dec. 76	SCALE 1/2" = 1'-0"	CHK'D	PART NO.	REV'N
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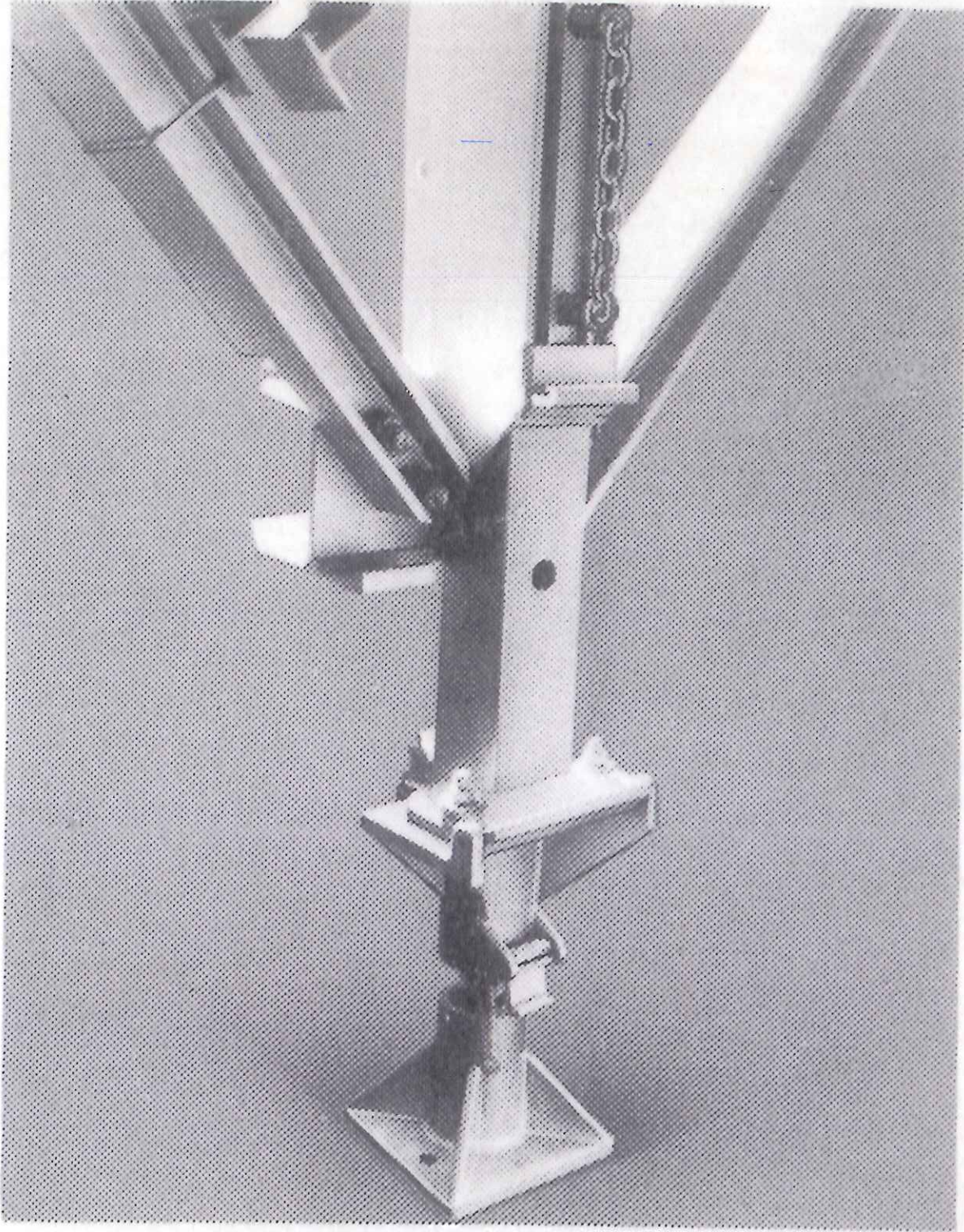
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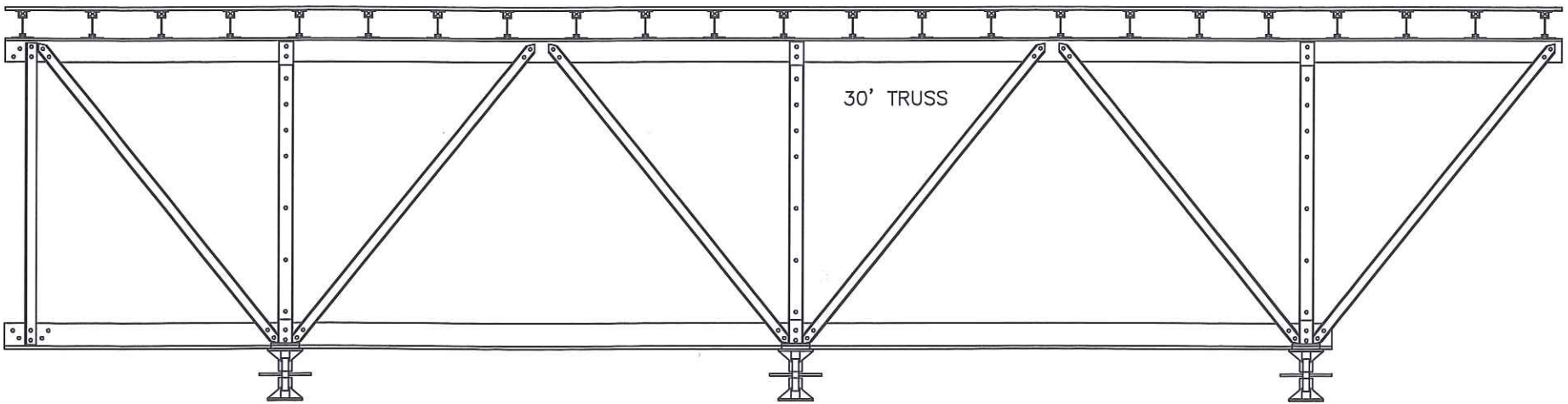
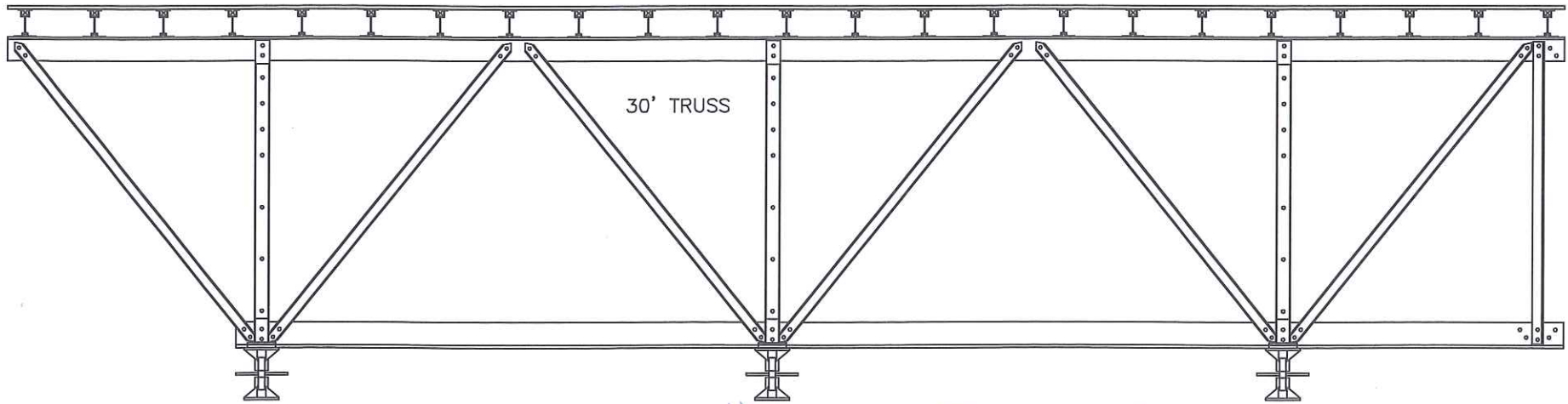
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 Downsview, Ontario, Canada. M3H 5S9
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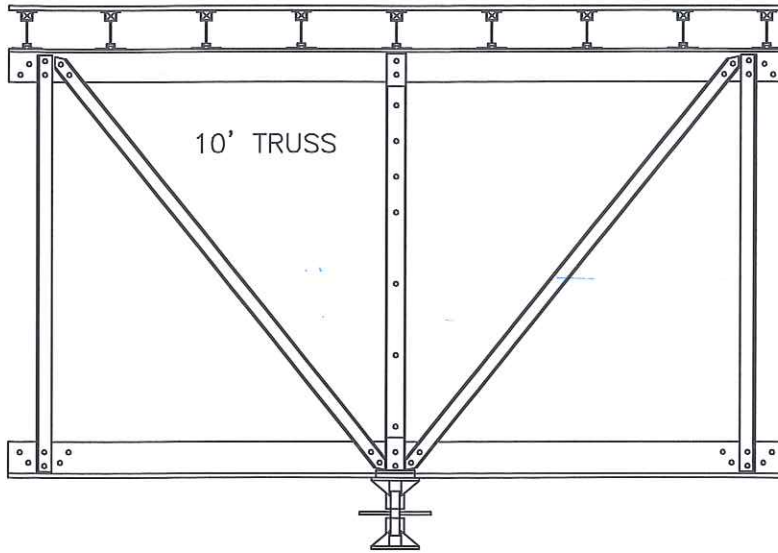
* Trade Marks of Aluma Building Systems Inc.

SYSTEM	TRUSS SYSTEM	DRAWING NO. AD-312-01	REV.
TITLE	EXTENSION LEGS -		

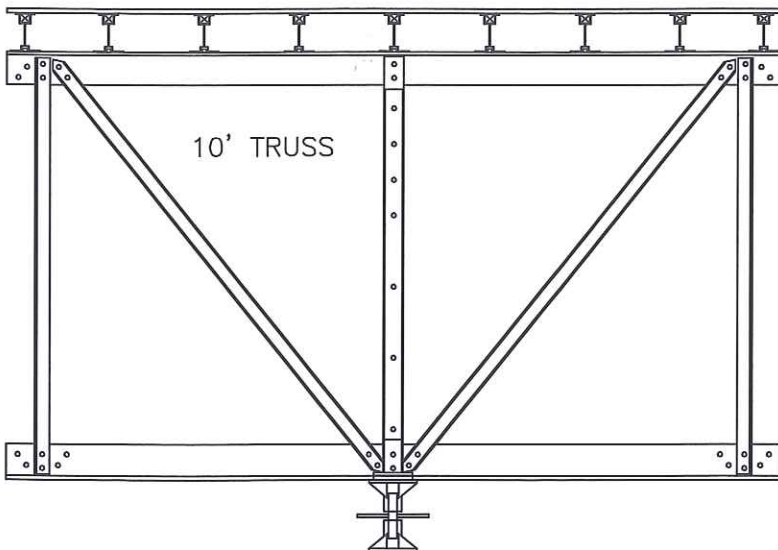


Aluma Extension Leg

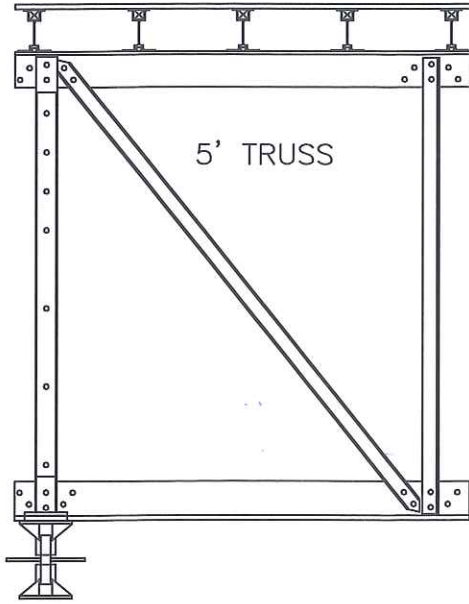




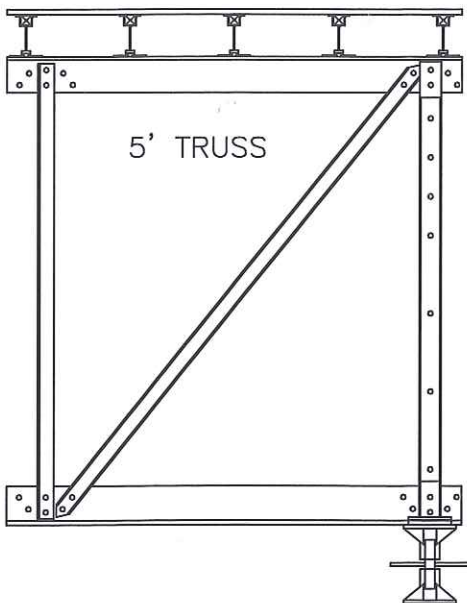
T10 Left



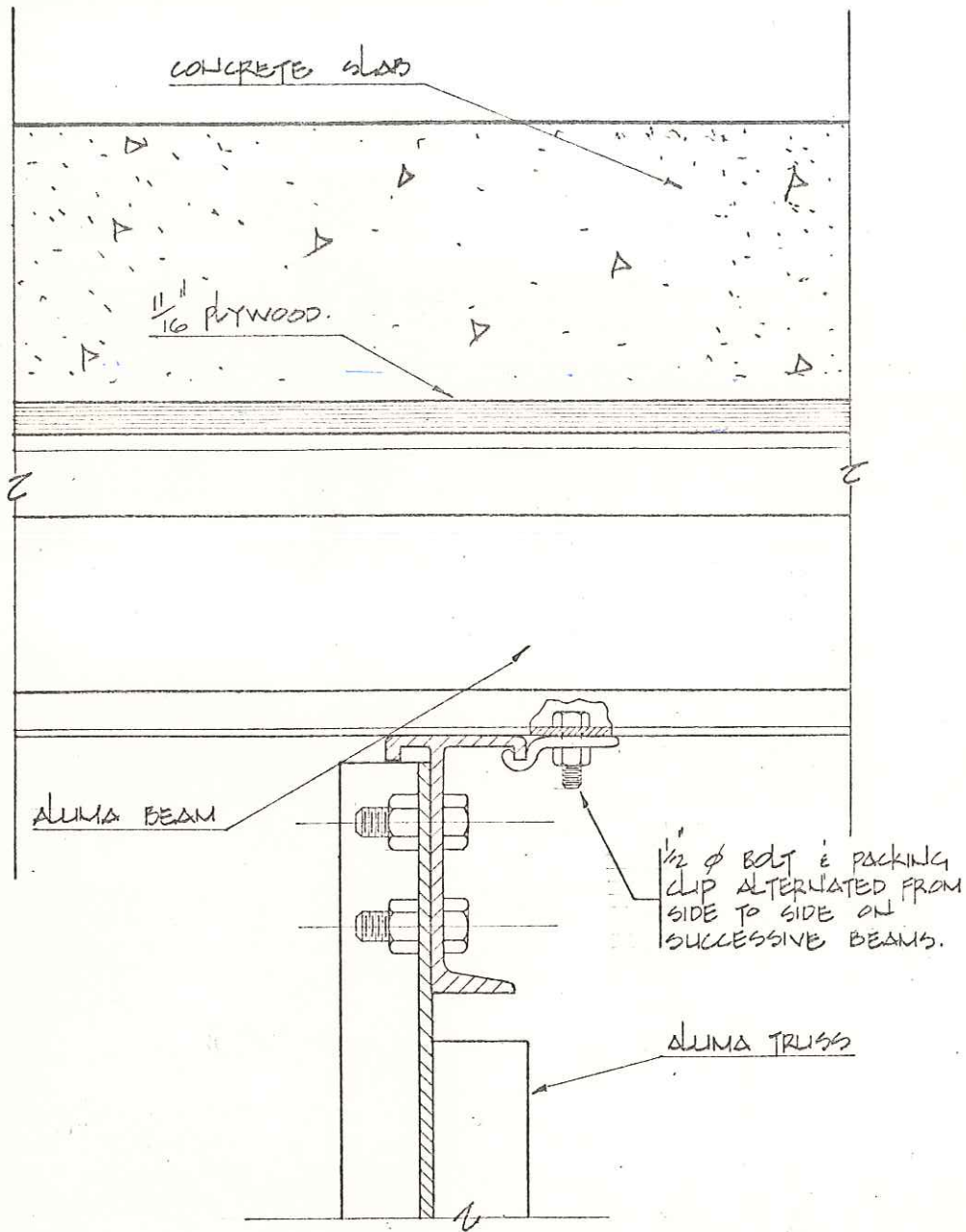
T10 Right



T5 Left

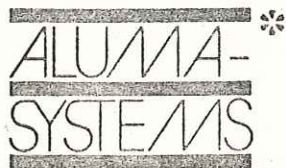


T5 Right



DWN	R.C.D.	DATE 2 Sept./76	SCALE 3" = 1'-0"	CHK'D	PART NO.	REV'N
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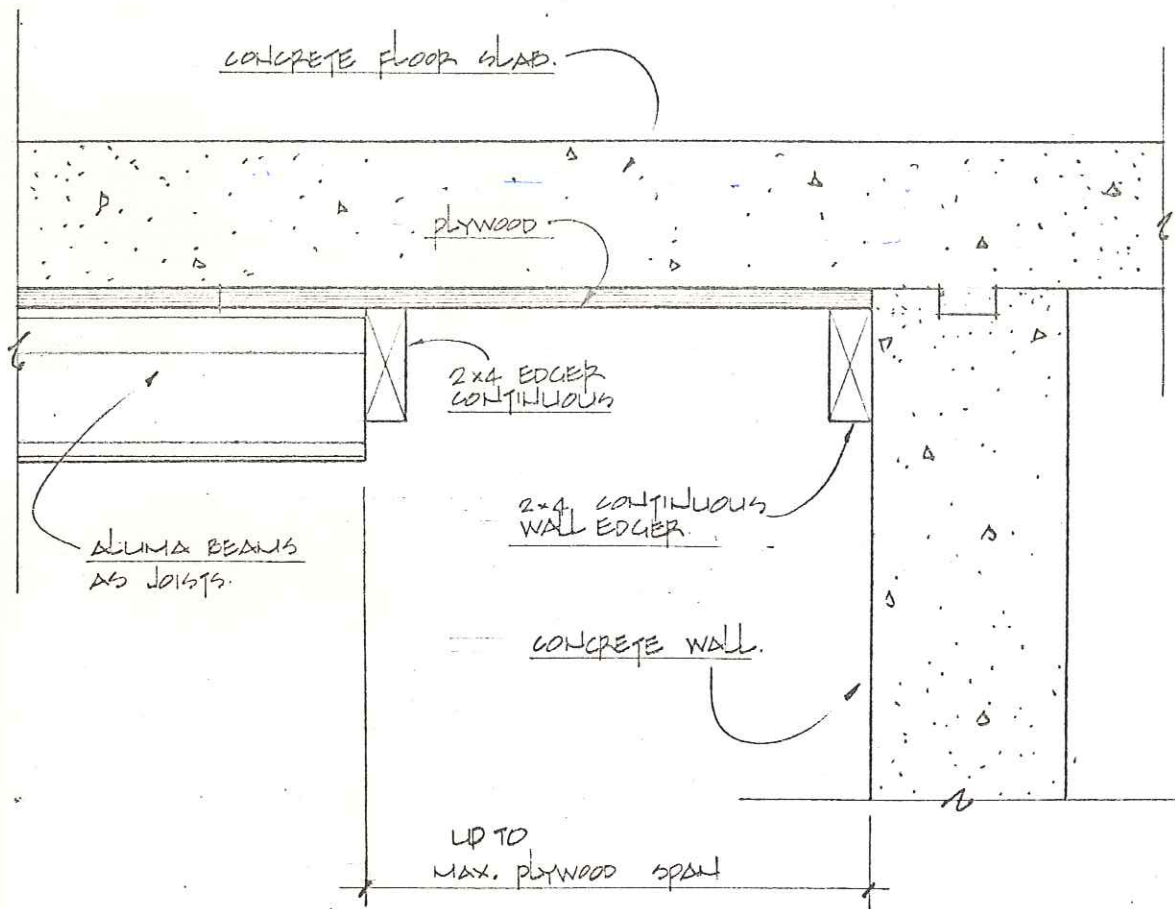
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SYSTEM	TRUSS SYSTEM
TITLE	

DRAWING NO.	REV.
AD-275-01	





DWN	R.C.D.	DATE 22 Sept. 76	SCALE 1 1/2" = 1'-0"	CHK'D	PART NO.	REV'N
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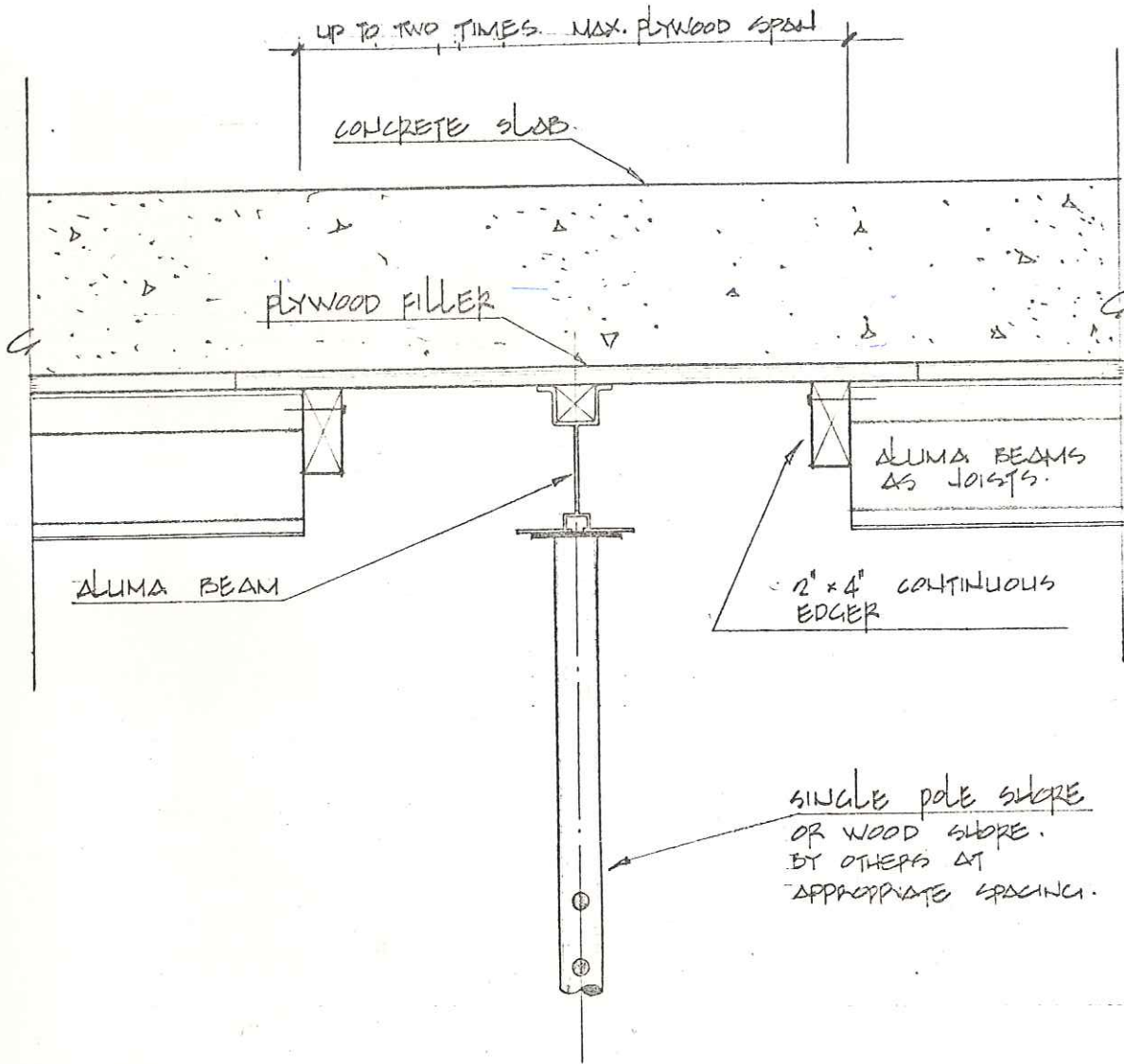
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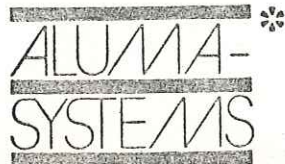
* Trade Marks of Aluma Building Systems Inc.

SYSTEM	TRUSS SYSTEM	DRAWING NO. AD-296-01	REV. △
TITLE	PLYWOOD FILLER PANELS (MAX. PLYWOOD SPAN)		



DWN R.C.D.	DATE 25 Aug./76	SCALE 1 1/2" = 1'-0" CHKD	PART NO.	REV N
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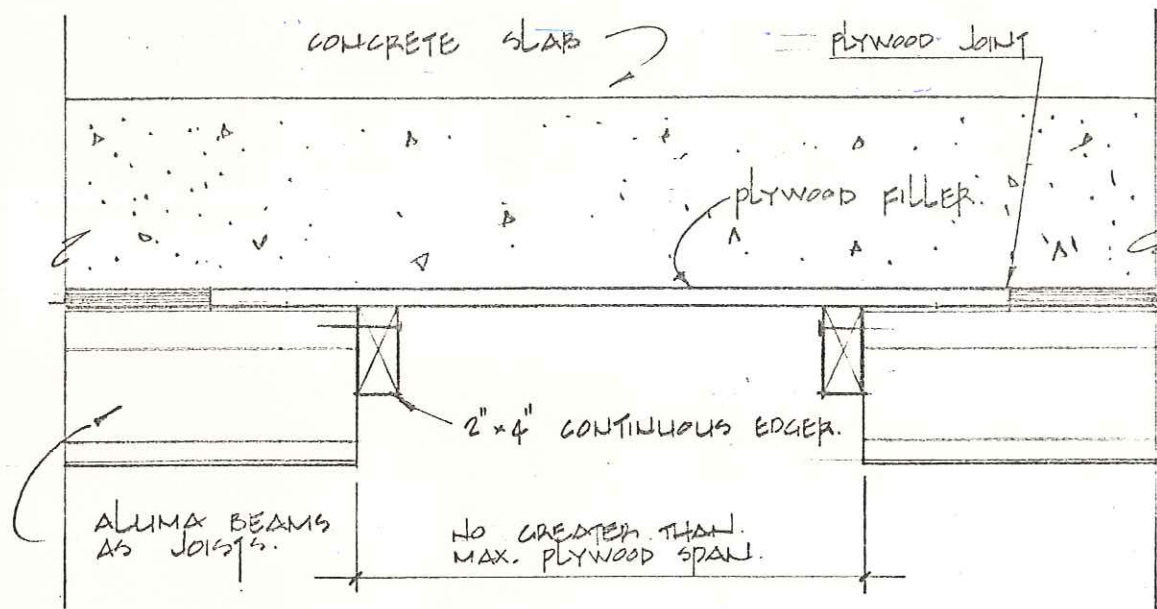
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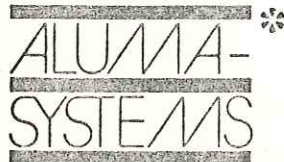
* Trade Marks of Aluma Building Systems Inc.

SYSTEM	TRUSS SYSTEM	DRAWING NO.	AD-281-01	REV.
TITLE	FILLER PANELS (FOR DISTANCES GREATER THAN 21")			



DWN	R.C.D.	DATE 25 Aug./76	SCALE 1 1/2" = 1'-0"	CHKD	PART NO.	REVN
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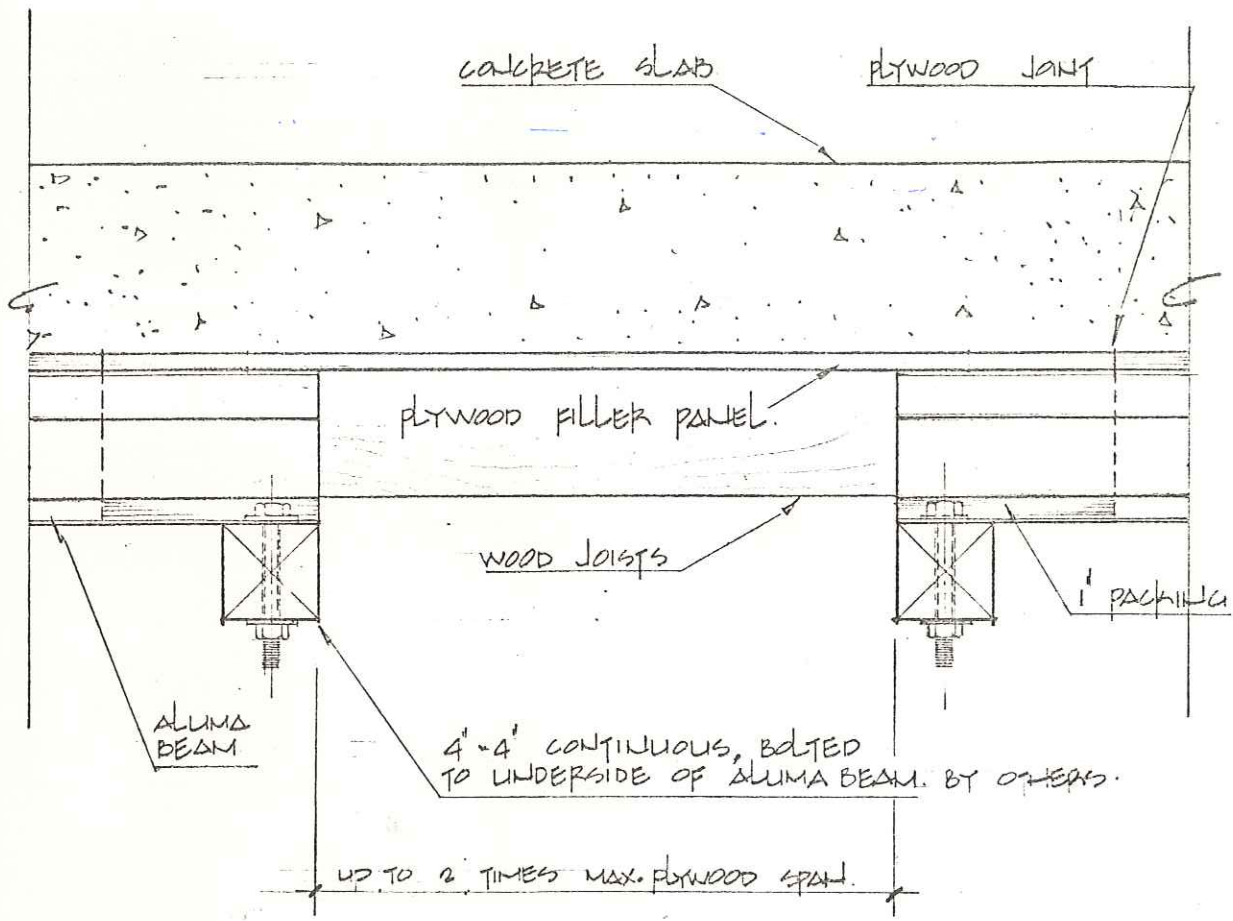
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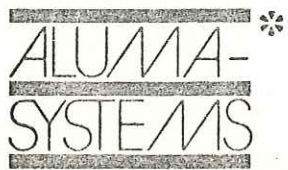
*Trade Marks of Aluma Building Systems Inc.

SYSTEM	TRUSS SYSTEM	DRAWING NO. AD-278-01	REV. 
TITLE	PLYWOOD FILLER PANELS		



DWN	R.C.D.	DATE 25 Aug./76	SCALE 1 1/2" = 1'-0"	CHK'D	PART NO.	REV'N
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SYSTEM	TRUSS SYSTEM	DRAWING NO.	AD-279-01	REV.
TITLE	PLYWOOD FILLER PANELS			