

REPUBLICA DE CHILE
PRESIDENCIA
REGISTRO Y ARCHIVO

NR. 91/29160
A: 91-DEC-91

P.A.A.	<input type="checkbox"/>	R.C.A.	<input type="checkbox"/>	F.W.M.	<input type="checkbox"/>
C.B.E.	<input type="checkbox"/>	M.L.P.	<input type="checkbox"/>	P.V.S.	<input type="checkbox"/>
M.T.O.	<input type="checkbox"/>	EDEC	<input type="checkbox"/>	J.R.A.	<input type="checkbox"/>
M.Z.C.	<input type="checkbox"/>				

ANEXO A LAS BASES

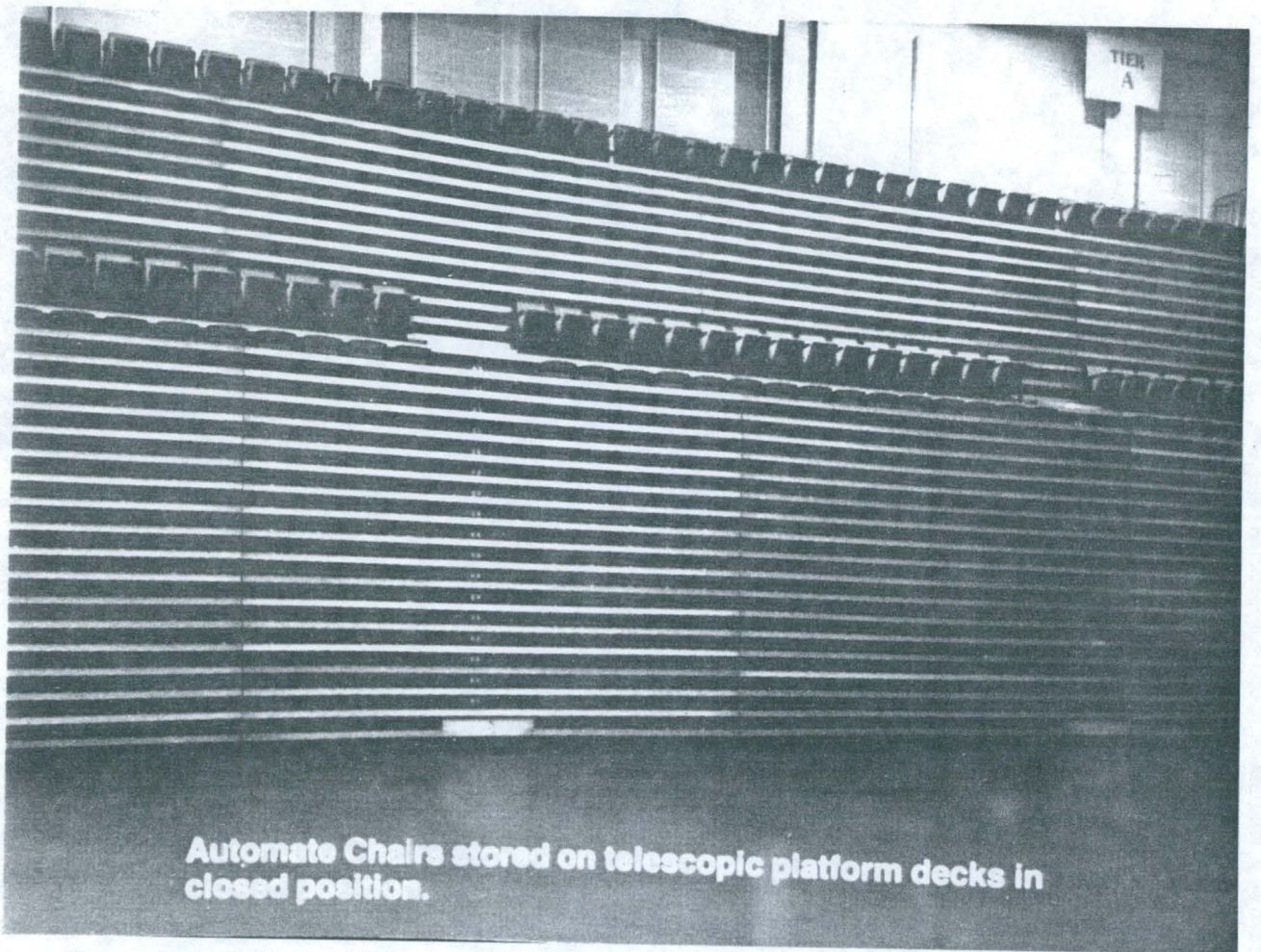


3. Además, se observó que el cielo del galpón está constituido por láminas de metal finamente perforado con un material análogo a la lana de vidrio en su interior, de modo de lograr una cierta absorción acústica. En síntesis —si nos remitimos a la experiencia manifestada por el Gerente técnico— se puede lograr condiciones acústicas razonables para eventos musicales que no exijan gran sutileza.

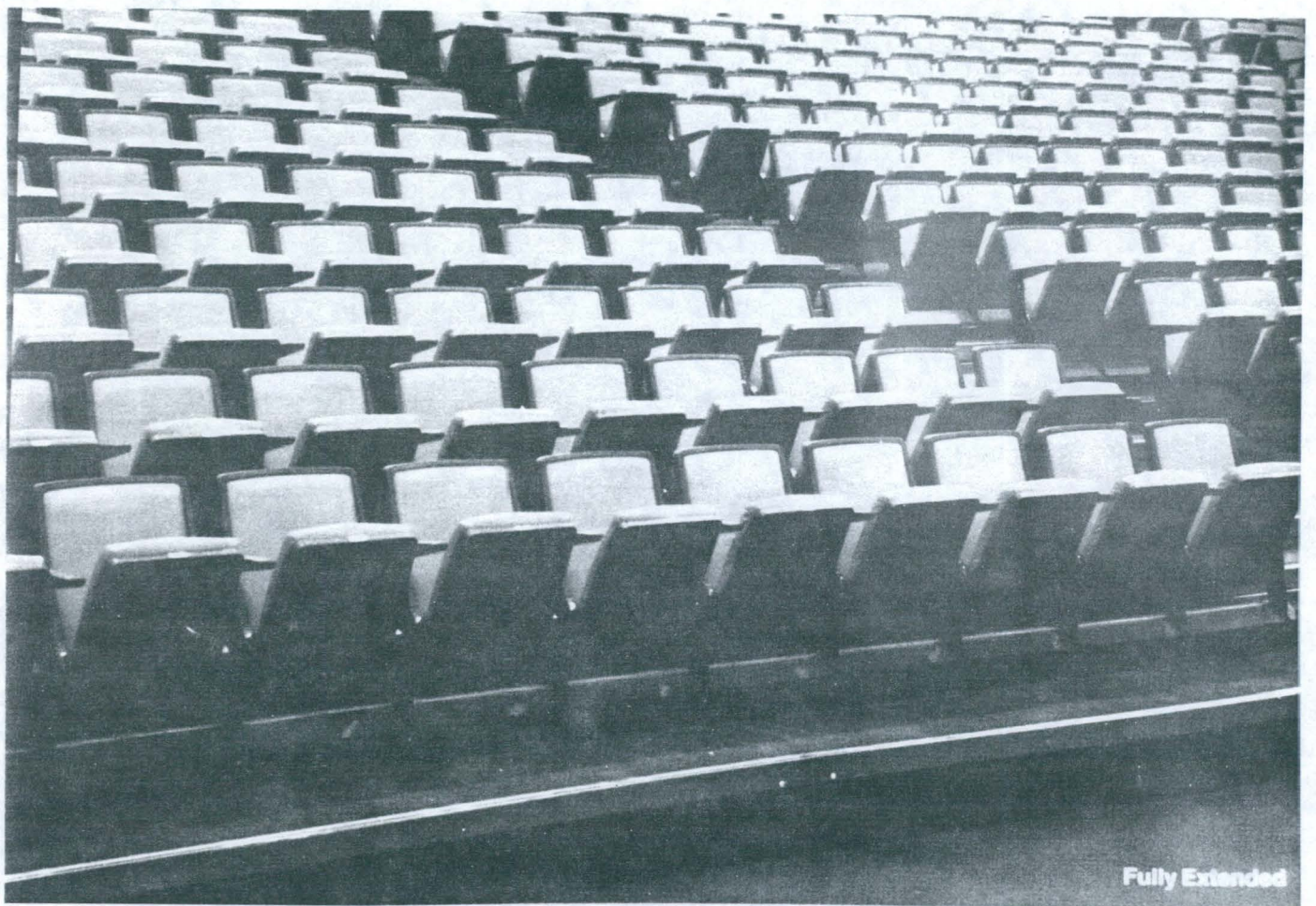
2.- Sistema de graderías retráctiles.

A modo meramente ilustrativo .

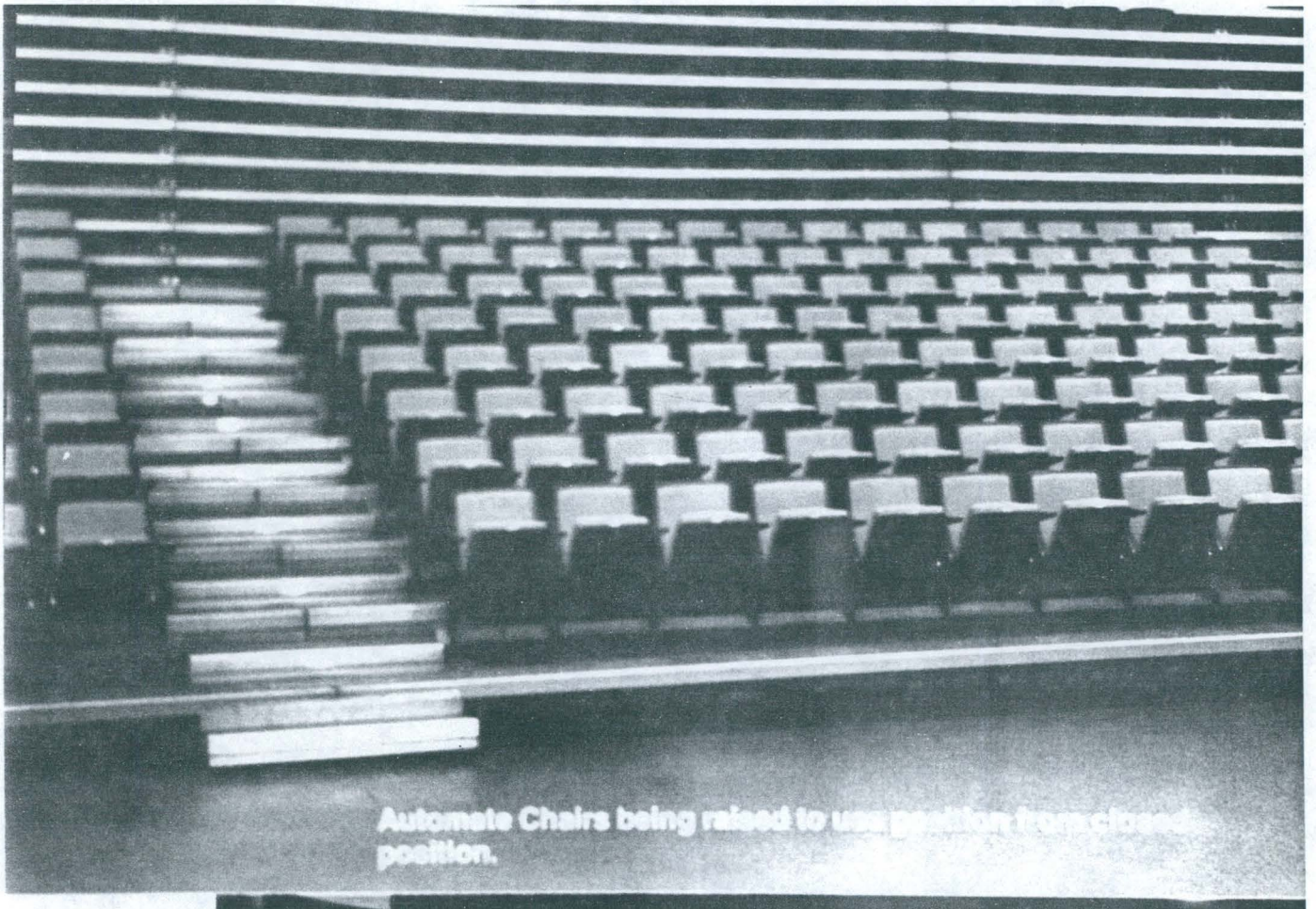
Se adjuntan fotografías y fotocopias del Catálogo de graderías retráctiles; que los arquitectos pueden o no considerar para su proyecto.



Automate Chairs stored on telescopic platform decks in closed position.



Fully Extended



Automate Chairs being raised to use position from closed position.



Fully Extended

Washington, D.C. Convention Center West Seating Bank 168' x 30 tiers Seating Capacity 2,000 Conversion Time: 1 minute

Designed for Flexible Seating Plans.

Today's buildings demand program flexibility. Hussey telescopic platform seating systems are designed to span the full spectrum of spectator events for arenas, performing arts facilities, civic centers and other multi-event facilities. Integral power assures seating systems extend/close efficiently, minimizing building conversion time, thereby maximizing facility for alternate functions. (See p. 9)

Portable sections are available and designed with transport systems to allow for variable event configurations as well as relocation to storage. (See pp. 9 and 15)

In designing a seating plan, it is critical that the installation conforms to anticipated facility functions. On request, Hussey will prepare seating studies for multiple seating layouts, code conformance reviews, specifications and cost and construction estimates.

Understructure.

- Superior construction assures system integrity and row alignment.
- Standard features: interlocking lower tracks, gravity row locks, positive steel alignment.
- Nylon rollers at column tops for easy operation.
- High tensile steel columns and braces.
- All connections fully welded or through-bolted.

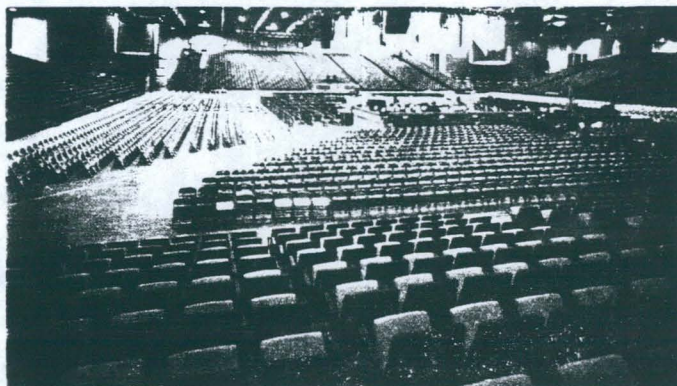
Row Rise/Row Spacing.

- Seven standard riser heights: 3 1/2" to 16" (9cm to 41cm) for maximum design flexibility. Other rises available.

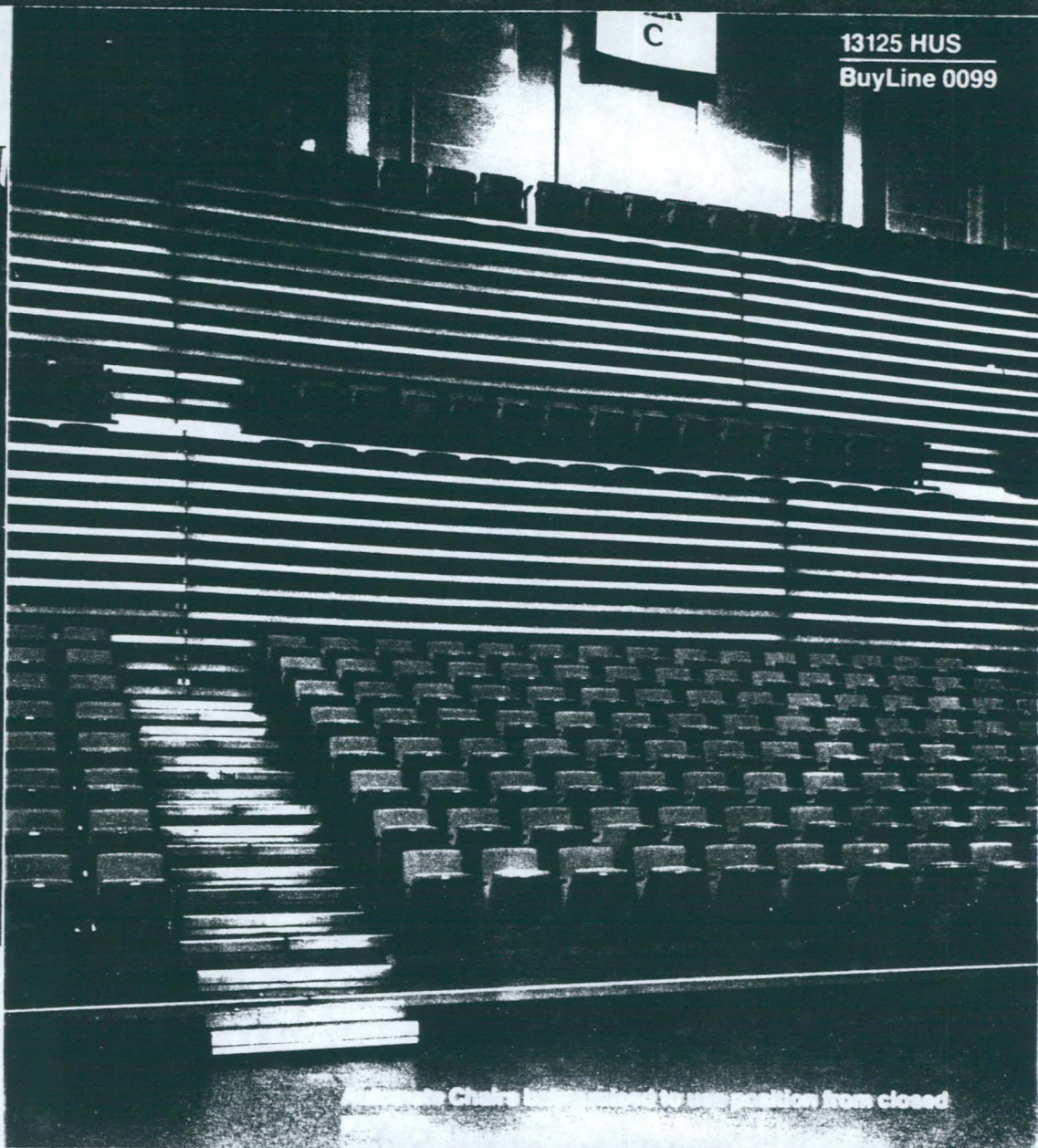
- Integral fold-down chairs available on rises of 9 5/8" (24cm) and up.
- Standard row spacings: 30", 32" and 33" (76cm, 81cm and 84cm). Other row spacings available to 42" (107cm).
- See p. 15 for telescopic platform system dimensions.

Optional Equipment.

- Transport systems: integral hydraulic dollies, portable hydraulic dollies, and integral mechanical shelf dollies activated by either fork lift beams or electro-hydraulic lifter are available. Consult Hussey for transport system design (See pp. 9 and 15).
- See pp. 8 and 9 for accessories.
- Details on aisle lights, aisle steps, front and rear access stairs, gap closures and carpeting available on request.



Washington, D.C. Convention Center - Presidential Inauguration configuration, seating capacity 12,000.



Automate Chairs in raised position from closed

Chair Operation.

Automate.

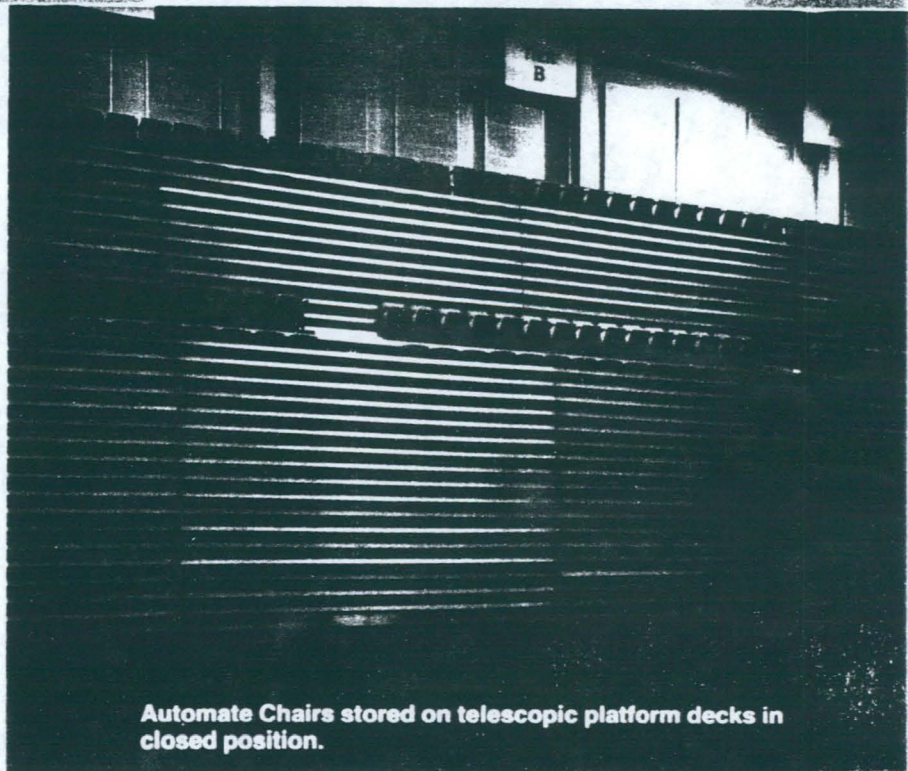
- As platforms extend, chairs rise automatically and armrests lock into position.
- Chairs automatically fold onto deck for storage as platforms close.
- Designed for multi-purpose facilities where frequent seating conversions are required.
- Reduces building conversion time and corresponding labor costs.
- Available on Models 3300, 4300, 5300 with minium riser height 9 $\frac{5}{8}$ " (24cm).

Semi-Automatic.

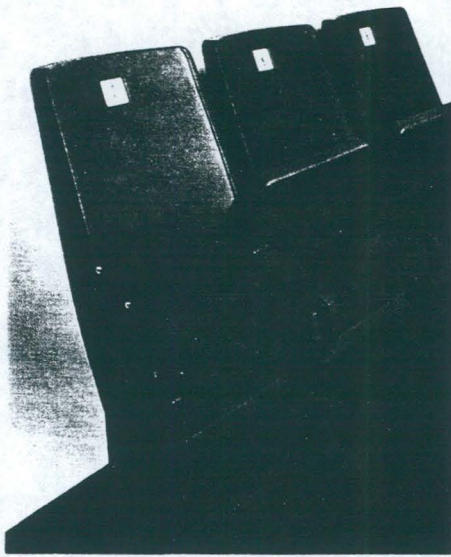
- Counterbalanced chairs are manually raised and lowered in groups of 14.
- Reduces labor and maximizes facility scheduling.

Manual.

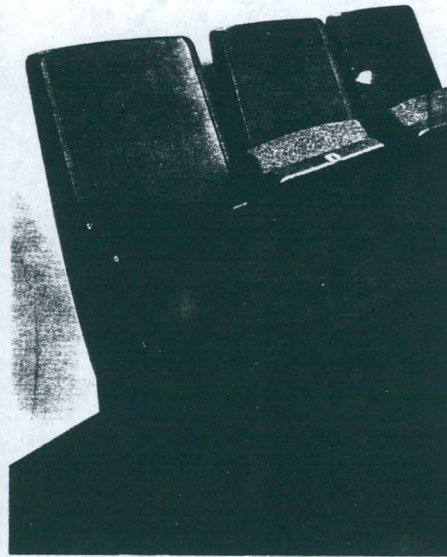
- Chairs are ganged in pairs, manually raised and lowered.
- Combines low cost and simple operation for building conversion.



Automate Chairs stored on telescopic platform decks in closed position.



• Sentinel – All plastic.



• Sentinel – Upholstered seat, plastic back.



• Sentinel – Fully upholstered.

Chair Selection: Sentinel Models.

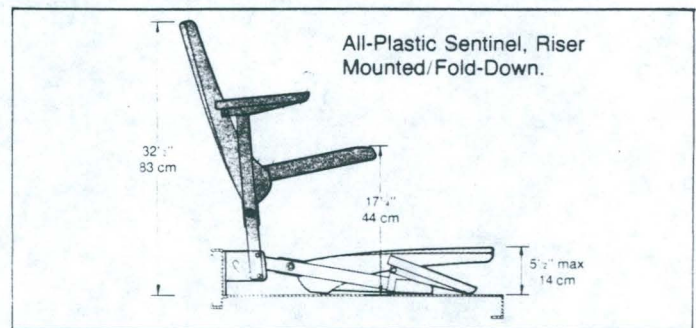
The Sentinel fold-down chair for telescopic platforms is the standard of the industry. Sentinel seating is used in arenas, convention centers and other multiple-event facilities throughout the world.

- Riser-mounted for integral fold-down operation on telescopic platform operations.
- Exterior is textured high-density plastic built around a fully welded internal steel frame.
- Double-wall construction is supported by a full perimeter steel frame.
- Two double-acting torsion springs completely enclosed in seat assembly.
- Seats fully cantilevered and hinged at the rear.
- Seats rise automatically to uniform $\frac{3}{4}$ safety fold.
- Standards are closed-seam tubular steel.
- Folded to 5 $\frac{1}{2}$ " (14cm), the Sentinel silhouette is the trimmest in the industry, maximizing capacities in variable event facilities.
- Designed for fully automatic, semi-automatic and manual operation on wall-attached or portable telescopic platforms.
- Options include plastic or padded backs; plastic, padded or spring/foam upholstered seats in any combination.

The Sentinel is the only chair in the industry which combines all these features for low maintenance, high structural integrity and seating comfort.

Deck Selection.

- Plywood surfaces finished with durable polyurethane.
- All decks may be carpeted.
- Aluminum surfaces available mill finished or anodized.



All-Plastic Sentinel, Riser Mounted/Fold-Down.



Model 3300. Riser Nose: Plated Steel. Deck: Plywood (Carpet Optional).



Model 5300. Riser Nose: Aluminum. Deck: Plywood (Carpet Optional).



Models 4300 and 6300*. Riser/Nose: Aluminum. Deck: Aluminum (Carpet Optional).

Not Shown: Steel riser with aluminum deck and nose used in conjunction with Automate Chairs.

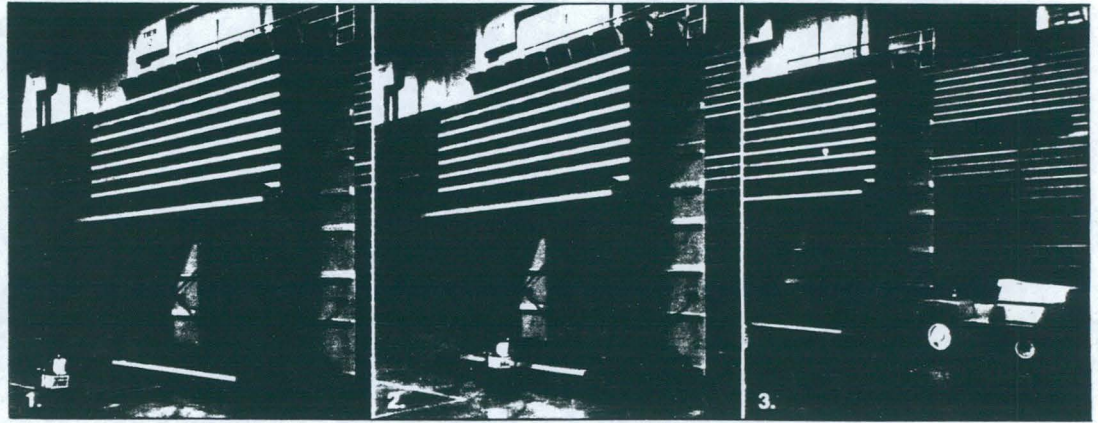
*6300 series for 3 $\frac{1}{2}$ ", 5 $\frac{1}{2}$ " (9cm, 14cm) risers.

Portable Transport Systems.

Multiple event configurations and building space recovery often require the use of portable telescopic platform units. Hussey has a series of portable transport systems to facilitate the relocation of these platforms.

Pictured here is a special portable platform section tiers 11 through 20, stored in the closed position. This section, designed with an integral shelf dolly, is one of several possible portable units.

1. Portable electro-hydraulic lifter is ready to be inserted under platform understructure.
2. Lifter is inserted under platform understructure and engaged to activate integral mechanical dolly.
3. Telescopic platform unit raised on integral mechanical dolly, tow motor connected to platform unit and portable lifter removed. Platform section may be relocated to alternate location.



Telescopic Platform Dimensions.

DIMENSIONAL STANDARDS with metric equivalents

MODEL 3300 MODEL 4300 MODEL 5300
Telescopic Integral Chair Platforms

No. of Rows	PLATFORM ELEVATIONS			DIMENSIONS			
	6 1/2" 17cm	9 5/8" 24cm	11 1/8" 30cm	OPEN			CLOSED
	RISE	RISE	RISE	30" 76cm	32" 81cm	33" 84cm	30" 32" 33" 76 81 84cm
1	11 1/8"	10 7/8"	10 5/8"				
2	1 5/8"	1 8/8"	1 10/8"				
3	2 3/8"	2 6 1/8"	2 10 1/8"	8 11"	9 3"	9 5"	4 122
4	2 6 1/8"	3 3 3/8"	3 9 3/8"	11 5"	11 11"	12 2"	4 124
5	3 1 1/8"	4 1 1/8"	4 9 3/8"	13 11"	14 7"	14 11"	4 124
6	3 7 1/8"	4 1 1/8"	5 9"	16 5"	17 3"	17 8"	4 126
7	4 2 1/8"	5 8 1/8"	6 8 1/8"	18 11"	19 11"	20 5"	4 127
8	4 8 1/8"	6 6 1/8"	7 8 1/8"	21 5"	22 7"	23 2"	4 128
9	5 3 1/8"	7 3 1/8"	8 7 1/8"	23 11"	25 3"	25 11"	4 129
10	5 9 1/8"	8 1 1/8"	9 7 1/8"	26 5"	27 11"	28 8"	4 130
11	6 4 1/8"	8 1 1/8"	10 7 1/8"	28 11"	30 7"	31 5"	4 131
12	6 10 1/8"	9 8 1/8"	11 6 1/8"	31 5"	33 3"	34 2"	4 132
13	7 5 1/8"	10 6 1/8"	12 6 1/8"	33 11"	35 11"	36 11"	4 133
14	7 11 1/8"	11 4"	13 6"	36 5"	38 7"	38 8"	4 134
15	8 6 1/8"	12 1 1/8"	14 5 1/8"	38 11"	41 3"	42 5"	4 135
16	9 1 1/8"	12 11 1/8"	15 5 1/8"	41 5"	43 11"	45 2"	4 136
17	9 7 1/8"	13 8 1/8"	16 4 1/8"	43 11"	46 7"	47 11"	4 137
18	10 1 1/8"	14 6 1/8"	17 4 1/8"	46 5"	49 3"	50 8"	4 138
19	10 8 1/8"	15 4 1/8"	18 4 1/8"	48 11"	51 11"	53 5"	4 139
20	11 2 1/8"	16 1 1/8"	19 3 1/8"	51 5"	54 7"	56 2"	7 9 236
21	11 9 1/8"	16 11 1/8"	20 3 1/8"	53 11"	57 3"	58 11"	7 10 238
22	12 3 1/8"	17 9"	21 3"	56 5"	59 11"	61 8"	7 11 241
23	12 10 1/8"	18 6 1/8"	22 2 1/8"	58 11"	62 7"	64 5"	7 11 243
24	13 4 1/8"	19 4 1/8"	23 2 1/8"	61 5"	65 3"	67 2"	8 244
25	13 11 1/8"	20 1 1/8"		63 11"	67 11"	69 11"	8 1 246
26	14 5 1/8"	20 11 1/8"		66 5"	70 7"	72 8"	8 1 248
27	15 1/8"	21 9 1/8"		68 11"	73 3"	75 5"	8 2 249
28	15 6 1/8"	22 6 1/8"		71 5"	75 11"	78 2"	8 3 251
29	16 1 1/8"	23 4 1/8"		73 11"	78 7"	80 11"	8 3 252

Notes: Add 1/2" (1.3cm) to all platform elevations for models 4300 and 5300 (9 5/8" and 11 1/8" (24cm and 30cm) only).
Add 9 5/8" (24cm) to platform elevations for overall unit heights.
11 1/8" (30cm) rise models over 16T have modified closed dimensions. Higher (customized) rises are available on request. Consult Hussey for details.

Hussey transport systems include integral hydraulic dollies, integral shelf dollies, portable electro-mechanical lifters, and fork lift beams. All platform sections are designed to be relocated either with the facility's fork lift or tow motor. Consult Hussey for further details. (See p. 9.)

MODEL 6300 — Telescopic Loose Chair Platforms

No. of Rows	PLATFORM ELEVATIONS		OPEN			CLOSED
	3 1/2" 9cm	5 1/2" 14cm	30"	32"	33"	30" 32" 33"
	RISE	RISE	76cm	81cm	84cm	76 81 84cm
1	10 1/2"	11 1/8"				
2	1 2"	1 4 1/8"				
3	1 5 1/8"	1 10 1/8"	7 8"	8 2"	8 5"	3 11"
4	1 9"	2 3 1/8"	10 2"	10 10"	11 2"	3 11"
5	2 1 1/8"	2 9 1/8"	12 8"	13 6"	13 11"	3 11"
6	2 4"	3 2 1/8"	15 2"	16 2"	16 8"	3 11"
7	2 7 1/8"	3 8 1/8"	17 8"	18 10"	19 5"	3 11"
8	2 11"	4 1 1/8"	20 2"	21 6"	22 2"	3 11"
9	3 2 1/8"	4 7 1/8"	22 8"	24 2"	24 11"	3 11"
10	3 6"	5 1 1/8"	25 2"	26 10"	27 8"	3 11"
11	3 9 1/8"	5 6 1/8"	27 8"	29 6"	30 5"	4 122
12	4 1"	5 11 1/8"	30 2"	32 2"	33 2"	4 122
13	4 4 1/8"	6 5 1/8"	32 8"	34 10"	35 11"	4 122
14	4 8"	6 10 1/8"	35 2"	37 6"	38 8"	4 124
15	4 11 1/8"	7 4 1/8"	37 8"	40 2"	41 5"	4 124
16	5 3"	7 9 1/8"	40 2"	42 10"	44 2"	4 127

Notes: Section Lengths
3 1/2" (9cm) rise - maximum length available = 12' (366cm)
5 1/2" (14cm) rise - maximum length available = 14' (427cm)
6 1/2" (16.5cm) rise - maximum section length 16' (488cm) with aluminum riser.
Add 2" (5cm) to open and closed dimensions for all free standing units.

Standard Limitations				
Description	Max. Rows 3 1/2" or 5 1/2" (9cm or 14cm)	Max. Rows 6 1/2" (17cm)	Max. Rows 9 5/8" (24cm)	Max. Rows 11 1/8" (30cm)
Wall Attached	16	29	29	24
Free Standing - F.A.	16	29	19	16
Free Standing - Port.	16	20	14	11
Free Standing - R.F.	—	—	19	16

Note: For sections in excess of limitations, consult Hussey