

MEGA STAGE



DYNA  STAGE®

Model 40 30 20



Dynastage model 40 30 20 in downtown Montreal during the annual Divers/Cité festival



Dynastage model 40 30 20 can handle a full complement of sound and lighting equipment.

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Trailer

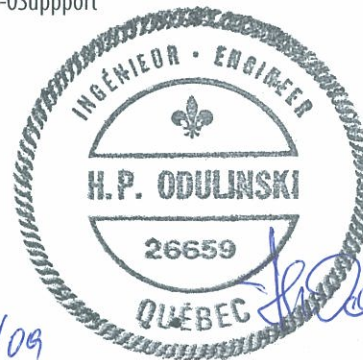
Width	8'-2"
Length	43'-8"
Height	13'-6"
Nominal gross vehicle weight	31 560 lbs
Static load on axles	21 040 lbs
Additional weight allowed	26 960 lbs**
Cargo space	7'-10" x 7'-0" x 40'-0" (2 194 ft ³)

Overall dimensions (stage)

Depth	26'-10" (32'-10" incl. FOH)
Width	43'-8 (61'-8" with PA wings)
Height	27'-3" to 29'-3" (30'-3" with blocks)

Stage dimensions

Floor dimensions	40'-0" x 30'-0"
Ground to floor height	5'-0" to 7'-0" Support
750" (8'-0" with blocks)	
Clearance under trussing	19'-9"
Clearance under roof	21'-6"



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Other specifications

Floor materials	Plywood over steel
Load bearing capacity of the floor	150 lb per square foot
Roof materials	Fiberglass bonded to steel structure
Front of house (FOH) supports dimensions	6'-0"
PA wings dimensions	9'-0"
Hanging pipes	Six (6) industry-standard 2" nominal diameter

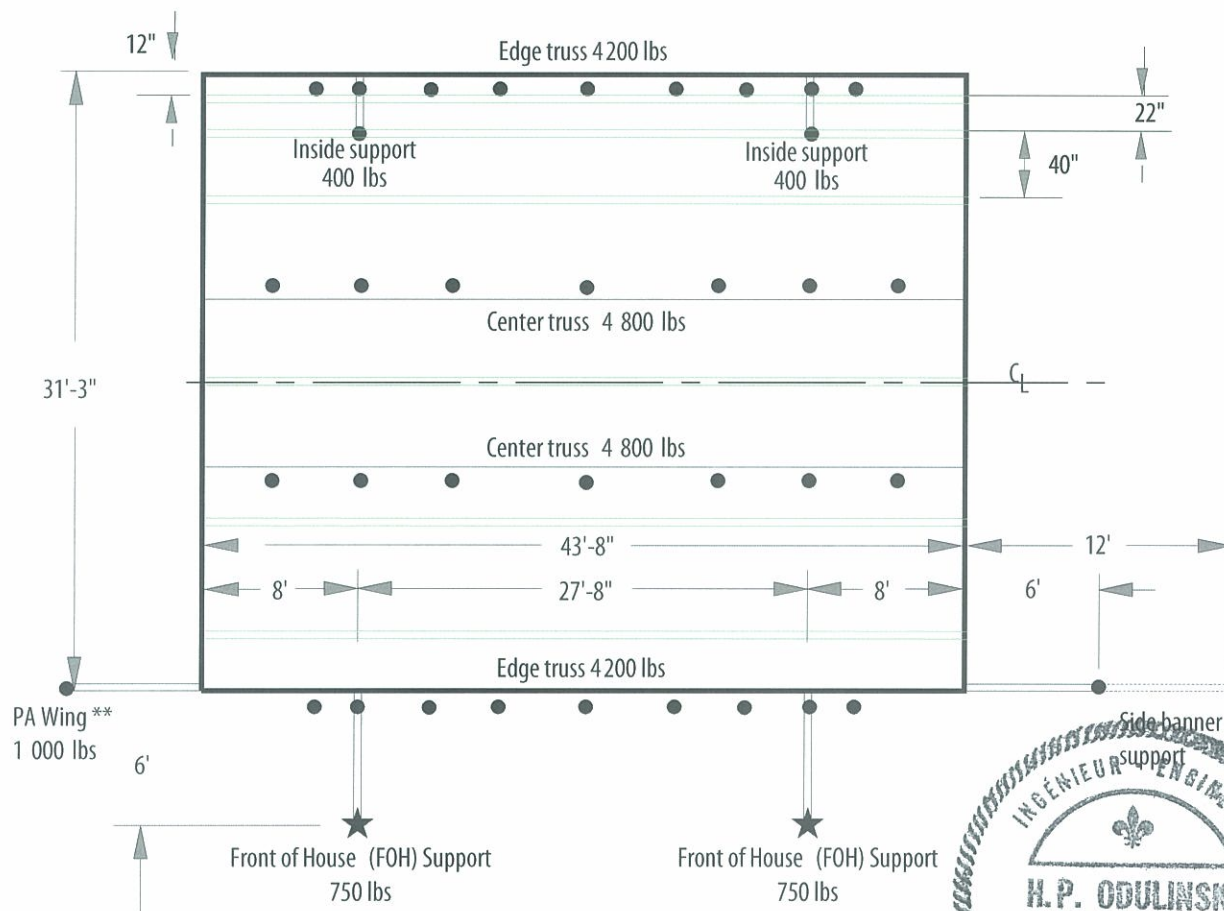
Maximum load bearing : Roof	20 000 lbs *
Maximum load bearing : FOH supports	750 lbs *
Maximum load bearing : Inside supports	500 lbs *
Maximum load bearing : PA wings	1 000 lbs *
Maximum load bearing : Center trusses	4 800 lbs *
Maximum load bearing : Edge trusses	4 200 lbs *

Wind resistance	50 m/h / 80 km/h with wind screens
Wind lift resistance	15 lbs per square foot

Motor	6.5 HP fuel powered Honda GX200
Install time	2 to 3 hours with 2 technicians
Transport	Regular tractor-trailer
Wind screen (sides and back)	16 oz. black Vinagard
Wind screen openings (doors)	Two 7'x10' in the back and two - 4'x10' sides
Wind screen openings (wind flaps)	Four - 6' x 3'
Stage skirt	Black Novathene TG
Stairs	36" wide

* Refer to rigging plan
 ** Estimated

All dimensions and specifications are subject to change without prior notice



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Maximum load

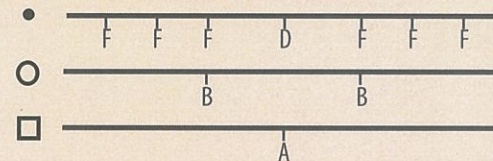
20 000 lbs

Distribution

- A: 2 400 lbs
- B: 1 800 lbs
- C: 1 300 lbs
- D: 900 lbs
- E: 750 lbs
- F: 650 lbs
- G: 400 lbs

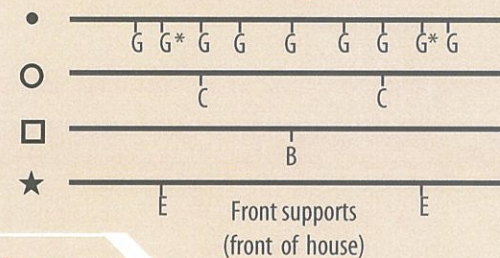
Center truss

1 of the 3 following setups



End truss

1 of the 4 following setups

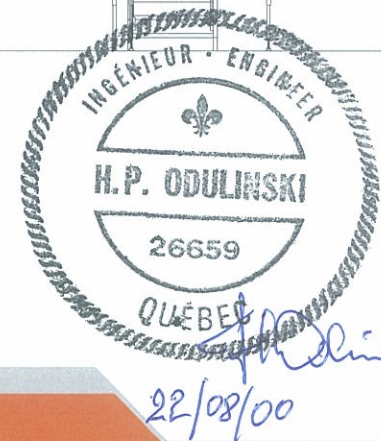
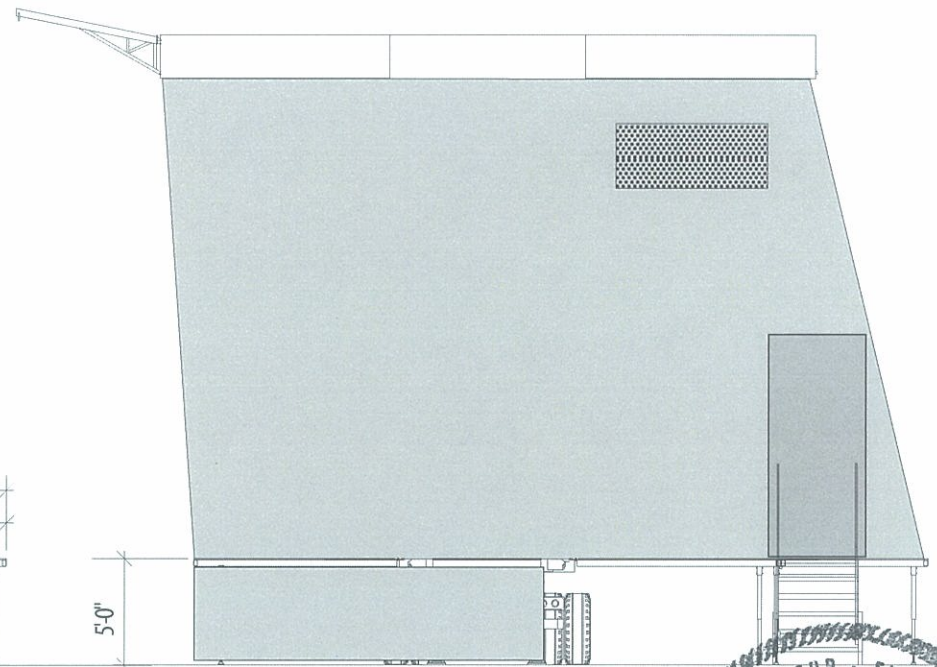
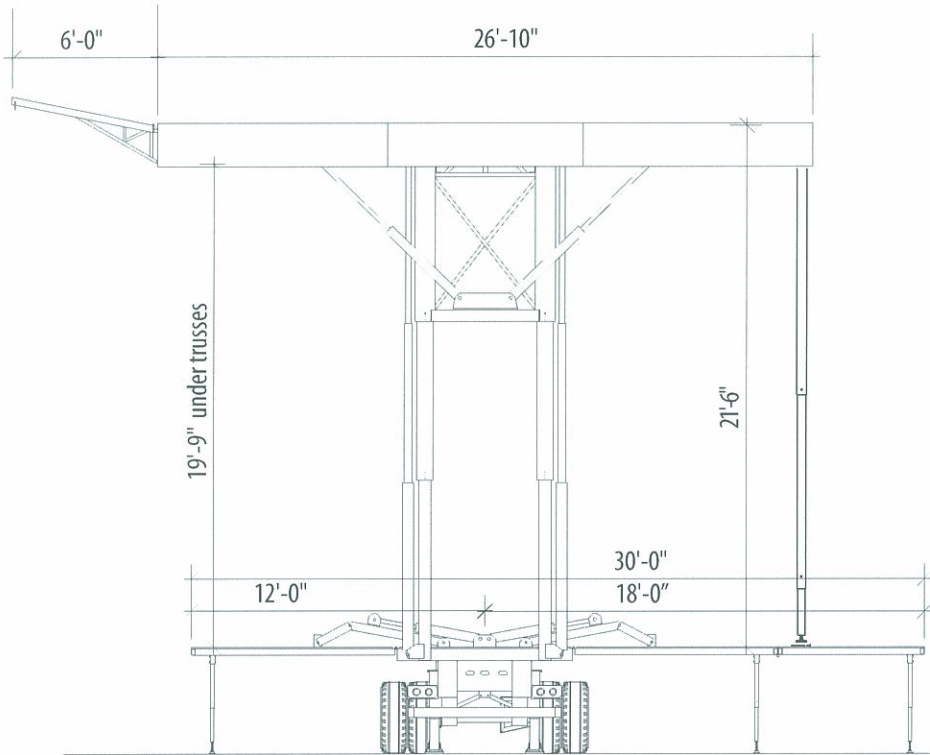


Notes

- * Inside supports replace corresponding rigging points
- ** PA wings may be used with any rigging combination

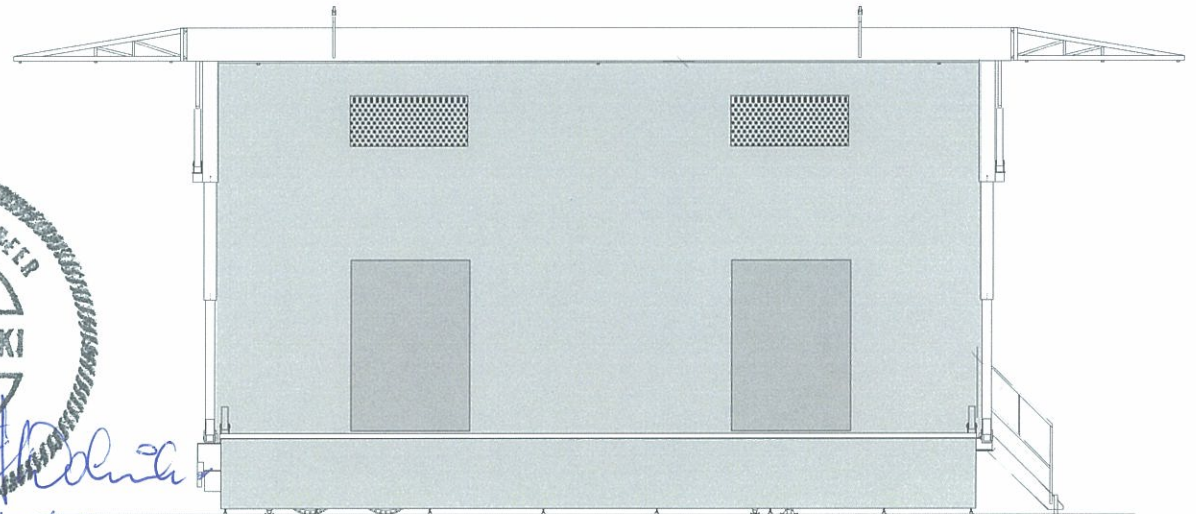
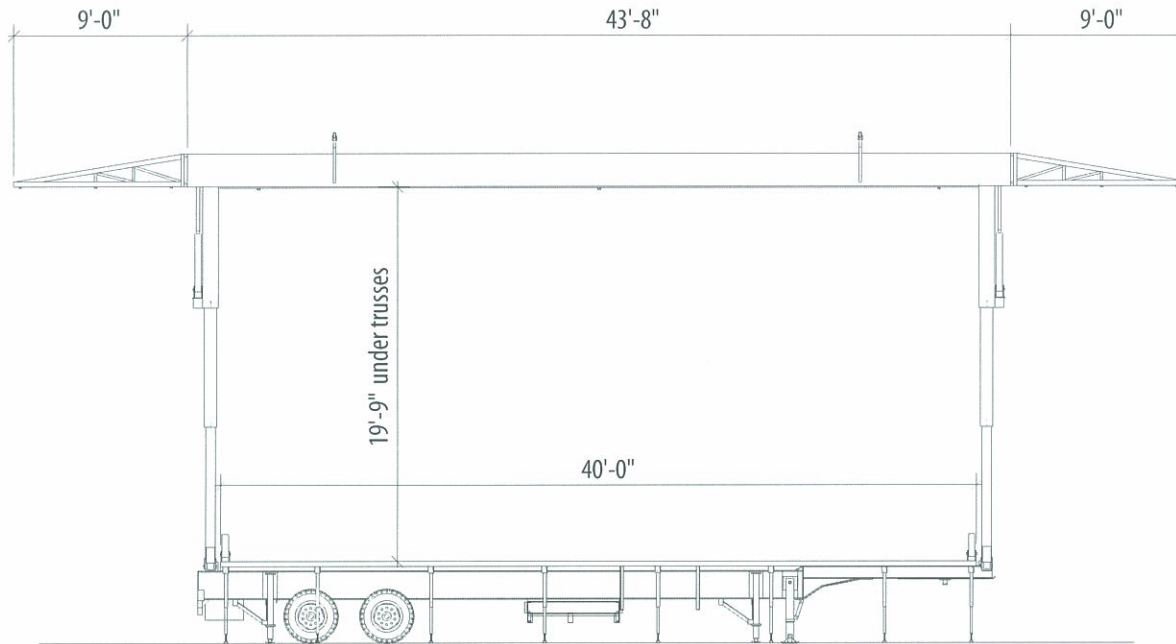
SIDE VIEW OF THE STAGE

Model 40 30 20



FRONT VIEW OF THE STAGE

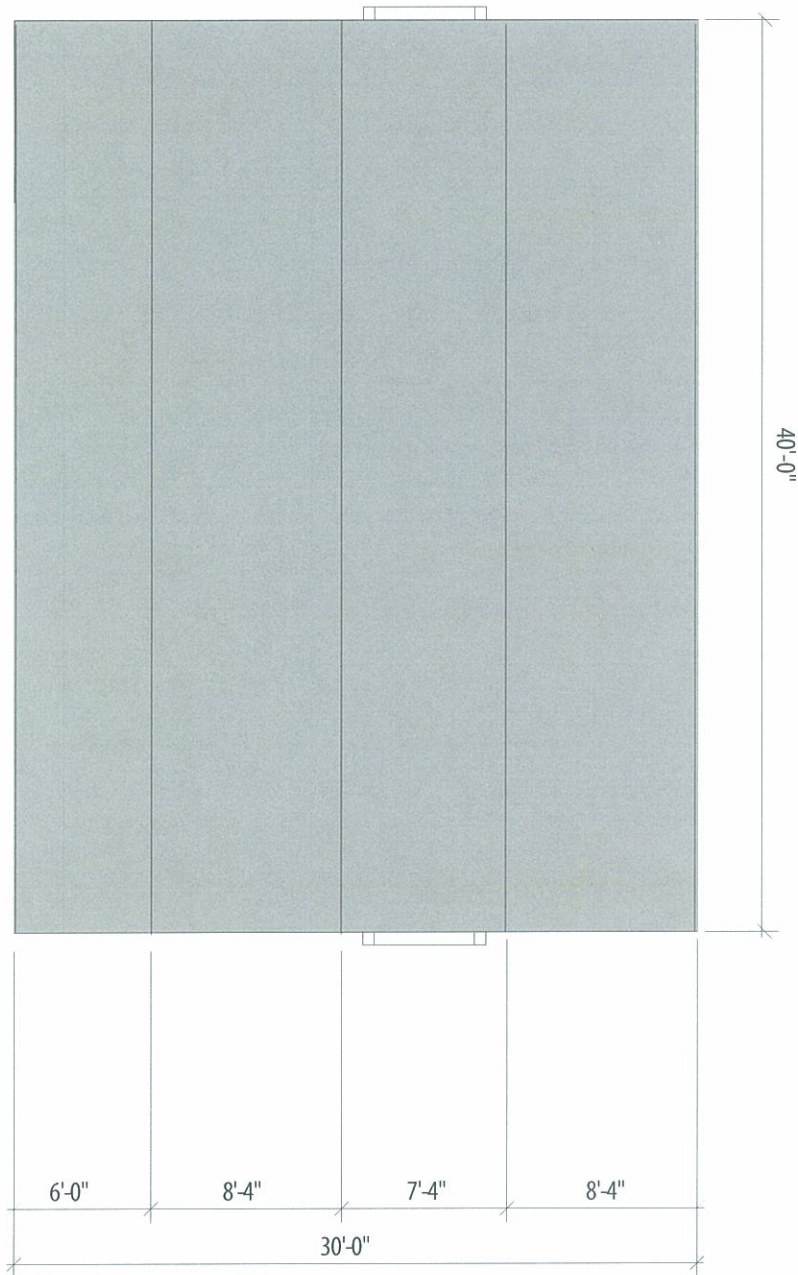
Model 40 30 20



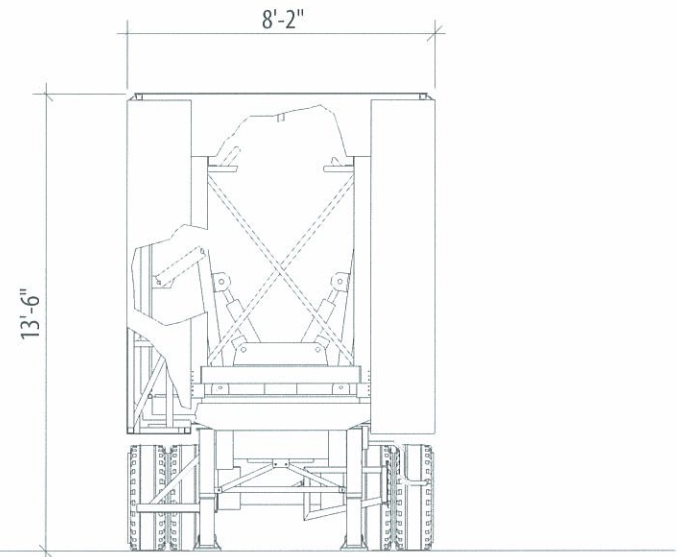
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STAGE FLOOR VIEW

Model 40 30 20



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Specifications subject to change without prior notice

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Wind Restrictions and Operating Plan

Valid for the following stages Models:

DYNA-STAGE: 24X20X14, 24X20X15 MKII, 32X24X15, 40X30X20, 40X34X20, 50X30X20.

Personnel

This stage must be supervised by a Mega-Stage Certified technician at all time during operations
 Technician must be reachable and available in a 15 Minute time laps in case of emergency during night and day off.

Monitoring System:

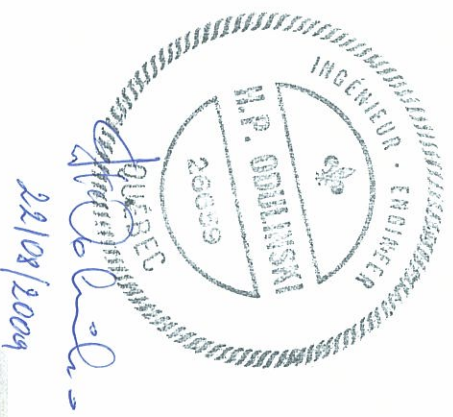
- A competent, responsible person from Client will be present on site for the whole of the period of the installation. (security agent during day off and night and after hours)
- A regular liaison with the local airports and weather information centers will be maintained to ascertain if any significant weather events are expected in the immediate vicinity of the roof structures.

Wind resistance with wind screens:

- 80km/h or 50mph Steady wind
- 120km/h or 75mph 3 second wind gust (superior to ESTA ANSI E1.21-2006 regulation)

Wind resistance without wind screens:

- 160km/h or 100mph
- 240km/h or 151 mph 3 second wind gust





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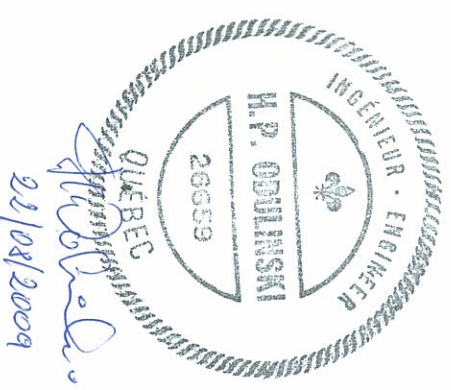
Operations Management Plan:

- Side doors and back doors must be open at 65km/h or 40mph 3 second wind gust
- LED screens to be lowered at 65km/h or 40mph 3 second wind gust
- Sound cabinets to be lowered to stage level at 80km/h/50 mph, 3 sec gust and laterally restrained
- Scrims on sound wings to be removed at 80km/h or 50 mph, 3 sec gust
- Scrim or back drop and side walls to be open and tie to columns if winds gust over 80km/h or 50 mph are expected, this should be done prior to these conditions for the safety of the crew.
- If time is allowed stage must be bring down and closed if 100 km/h gust is excepted

Level of alert vs actions

The following actions will be undertaken by Client personnel (8 to 12 technicians) on site when the 3 second wind speed gusts approach the following speeds against a background of rising wind speeds

- Level 1: 60% of design wind load
Personnel to be on alert
- Level 2: 80% of design wind load
Personnel to be put on standby to take action
- Level 3: 100% of design wind load
Personnel take action



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St-Eugène, August 22nd 2009.

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Subject: Stage Model DYNA-STAGE 40X30X20 Unit # 137
Conformity Certificate

Following the inspection and load test of completed structure of above mentioned stage, this is to certify that is has been satisfactorily established that the completed works conform to the plans and specifications and the requirements of material and workmanship in accordance with CAN-S1694M and W52.2 CSA Standard.

Henryk P. Odulinski P.E

