



3D TV XXL voor Robbie Williams “take the crown tour”

van idee tot 19e staalbouw in amper
7 maanden

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Robbie Williams Take the crown tour 2013



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Robbie Williams Take the crown tour 2013



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Stageco



- Temporary structures for events (official start 1984)
- Worldwide activities :
 - Concert stages : tours, festivals, indoor events
 - Temporary buildings
 - Grandstands, platforms, scaffold, ...
- Where :
 - Belgium
 - USA
 - Deutschland + Austria
 - France
 - Netherlands

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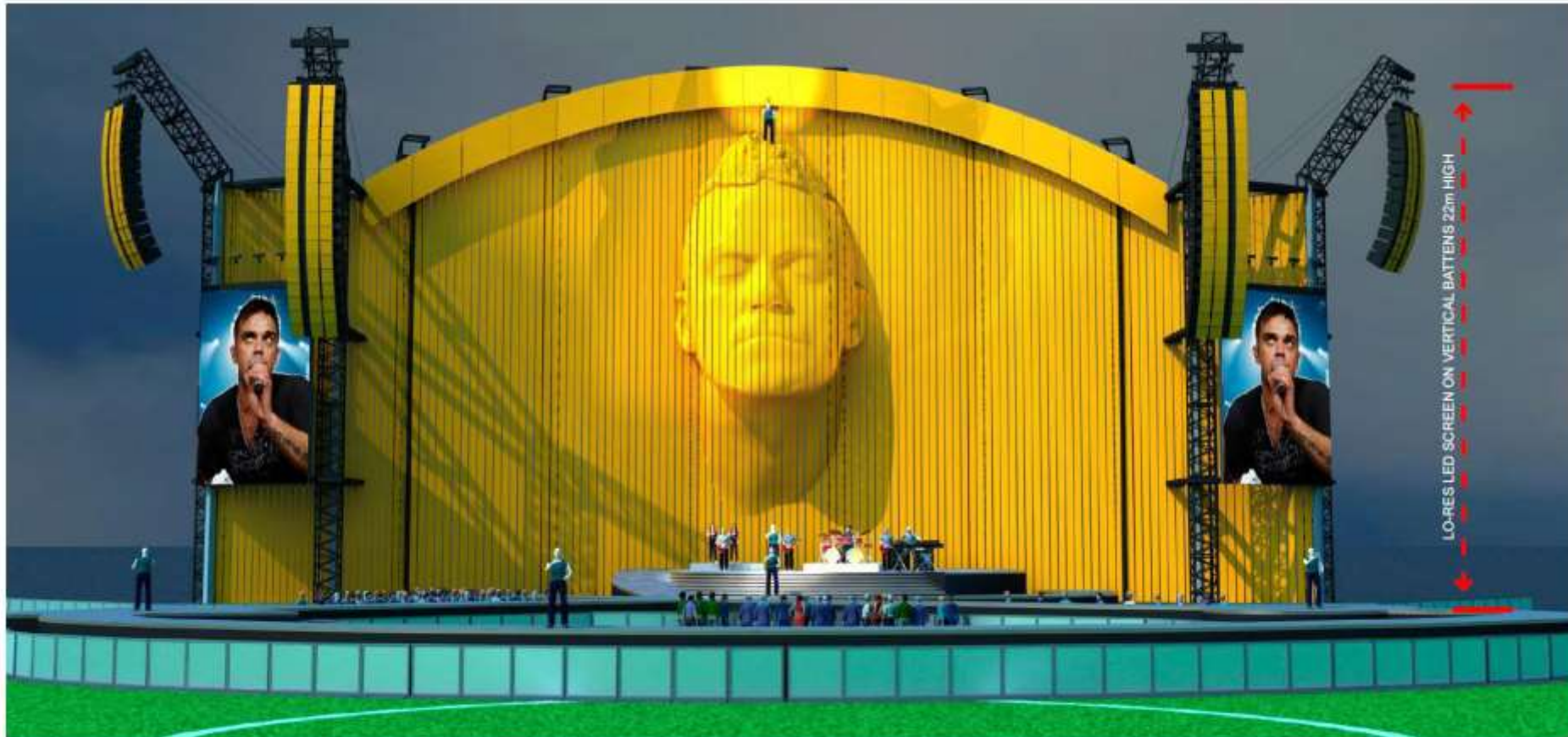
Take the crown tour 2013 : spec

- Initial design spec :
 - Set : 47 m wide x 25 m high
 - Screen 32 x 23 m (710 m²)
 - Moving show objects up to 7 t
- Schedule :
 - Start development jan 2013
 - Start test build brussels 9/05
 - 26 shows in 18 cities between 14/06 (Dublin) and 26/08 (Stavanger) : 3 days build / 1 day tear down per city

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Take the crown tour 2013



LO-RES LED SCREEN ON VERTICAL BATTENS 22m HIGH

LO-RES LED SCREEN ON VERTICAL BATTENS 33m WIDE

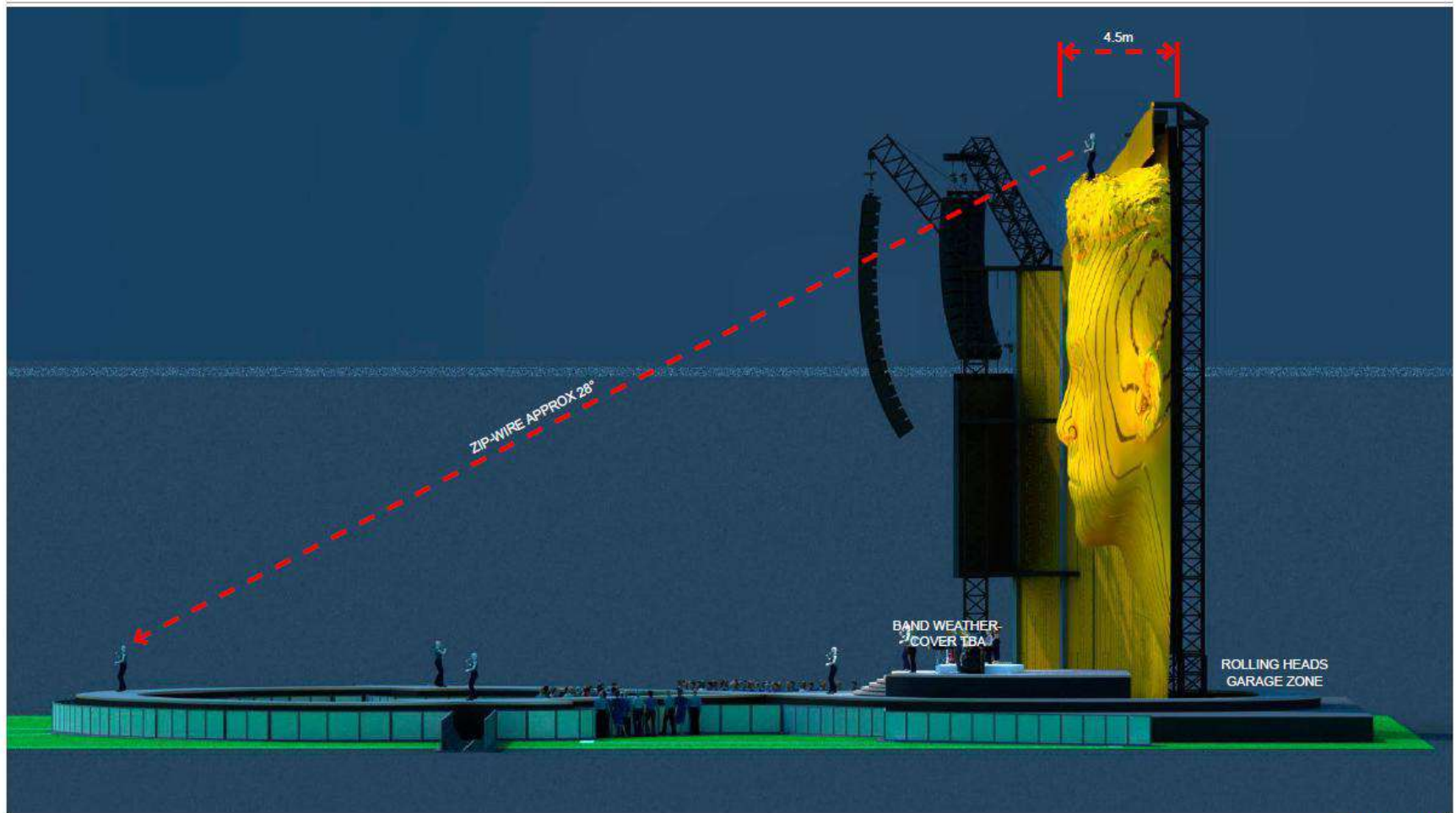
Head has 50% up/downstage squeeze
Vertical slats are 300 wide with 50 gaps between.
LED pixels mounted on slats, pitch approx 85mm.
Head is approx 17m high



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CROSS SECTION
Note RW performance position on top of head. Descent from top of head to downstage on screamer runway will be by zip-wire

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Additional specs

- Outdoor temporary structures (EN 13814 and EN 1991) : wind loads
- Transport by regular trucks / trailers (max 40 t each)
- Builds with 3 cranes and 6 fork lifts
- Easy installation of production items (screen / sound / moving objects)
- Stadium access and limitations
- Cost effective
- Minimal depth

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How ?

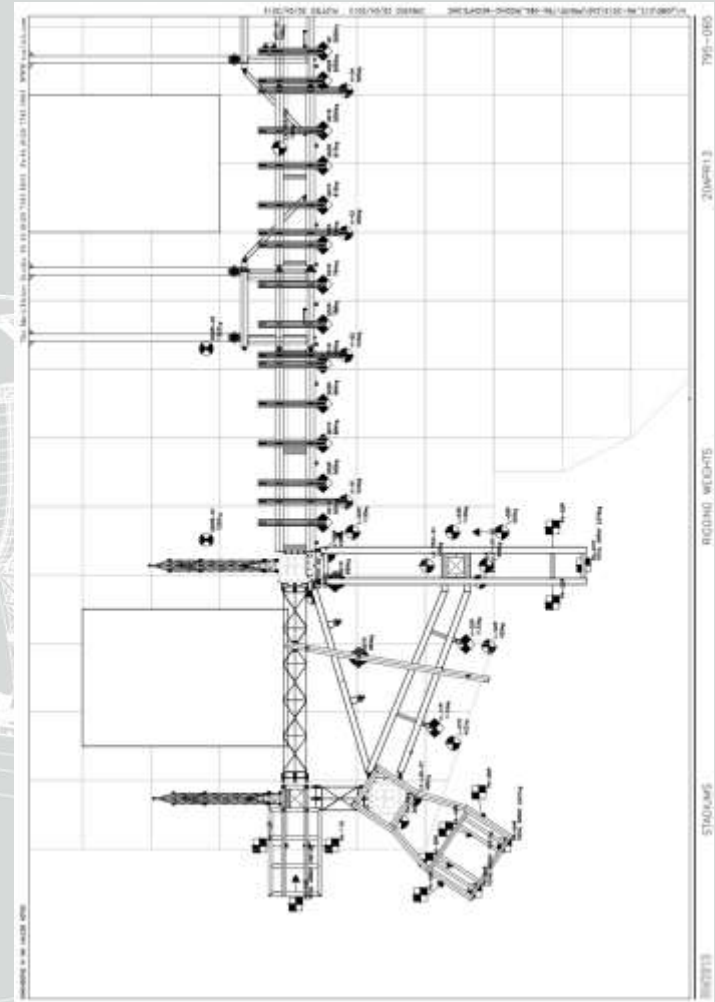
- Initial concept making use of (standard) stageco elements
- Collection of characteristics of all production items
- Initial structural calc of this concept (SCIA) + optimisation
- Definition of missing parts, tools, ...
- Price offer taking into account the above + schedule

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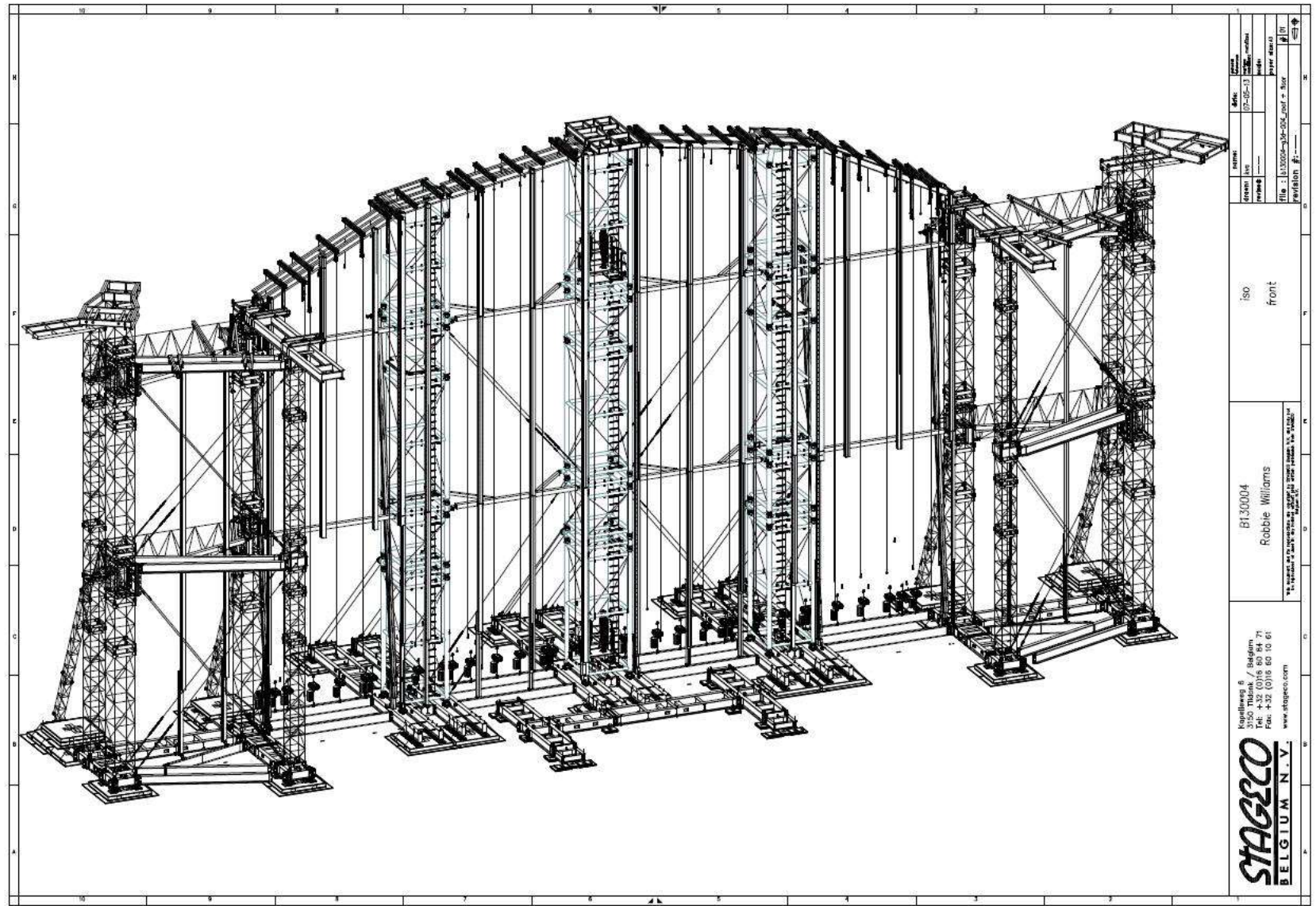
Loads

- Video : 30 t + 2 x 3 t
- Sound : 6 t per side
- Wind 25 m/s - 35 m/s
- Floor loads : 500 kg/m²
- Objects up till 7 t



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DATE	07-05-13
DESIGN	WILLIAMS
REVISION	
FILE	130004-01-001_001 + Rev
REVISION #	

ISO
front

BT30004
Robbie Williams

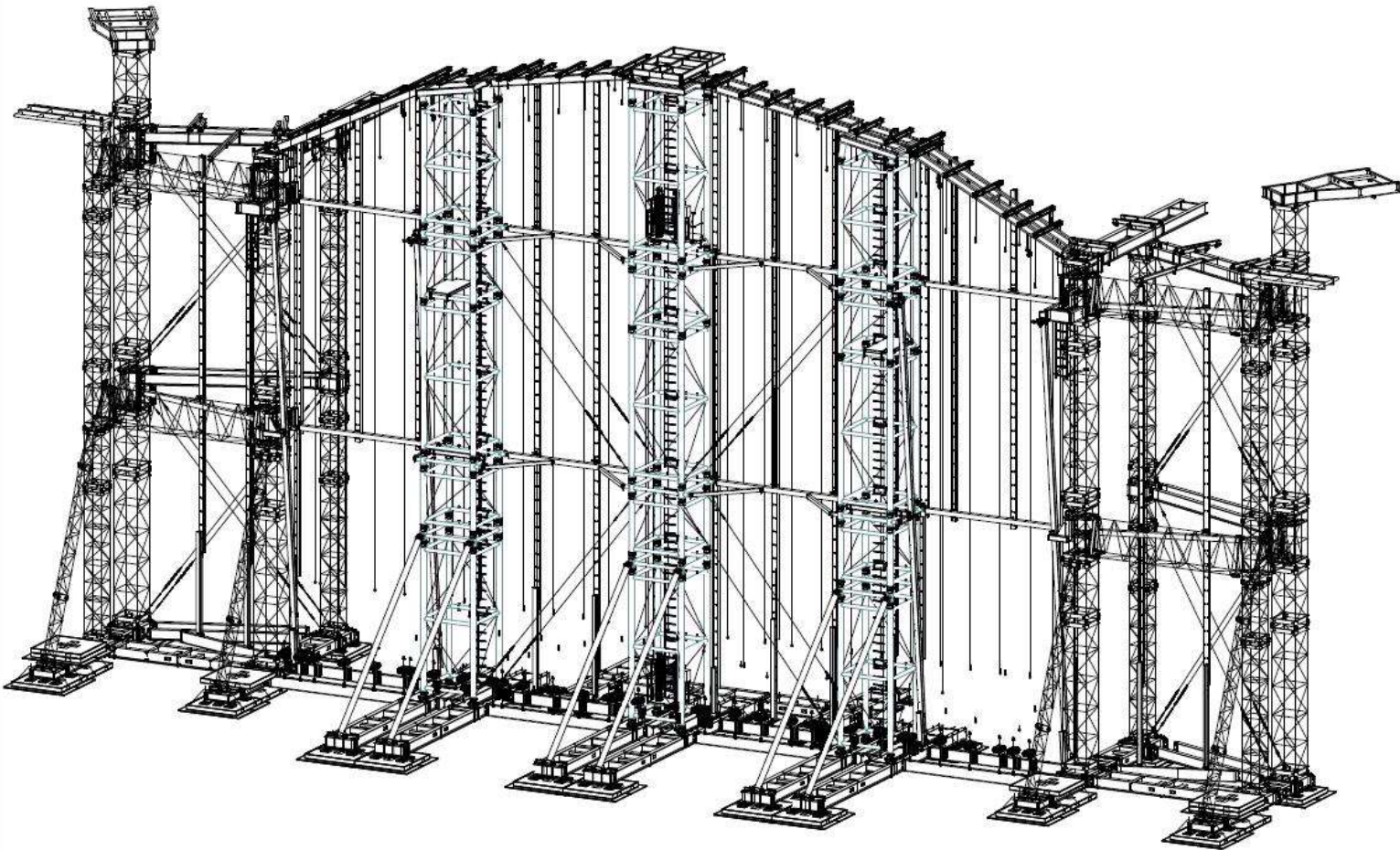
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DATE:	07-05-13
DESIGN:	ISO
REVISION:	1
FILE:	B130004-01-004_001 + A01
REVISION #:	1

iso
bock

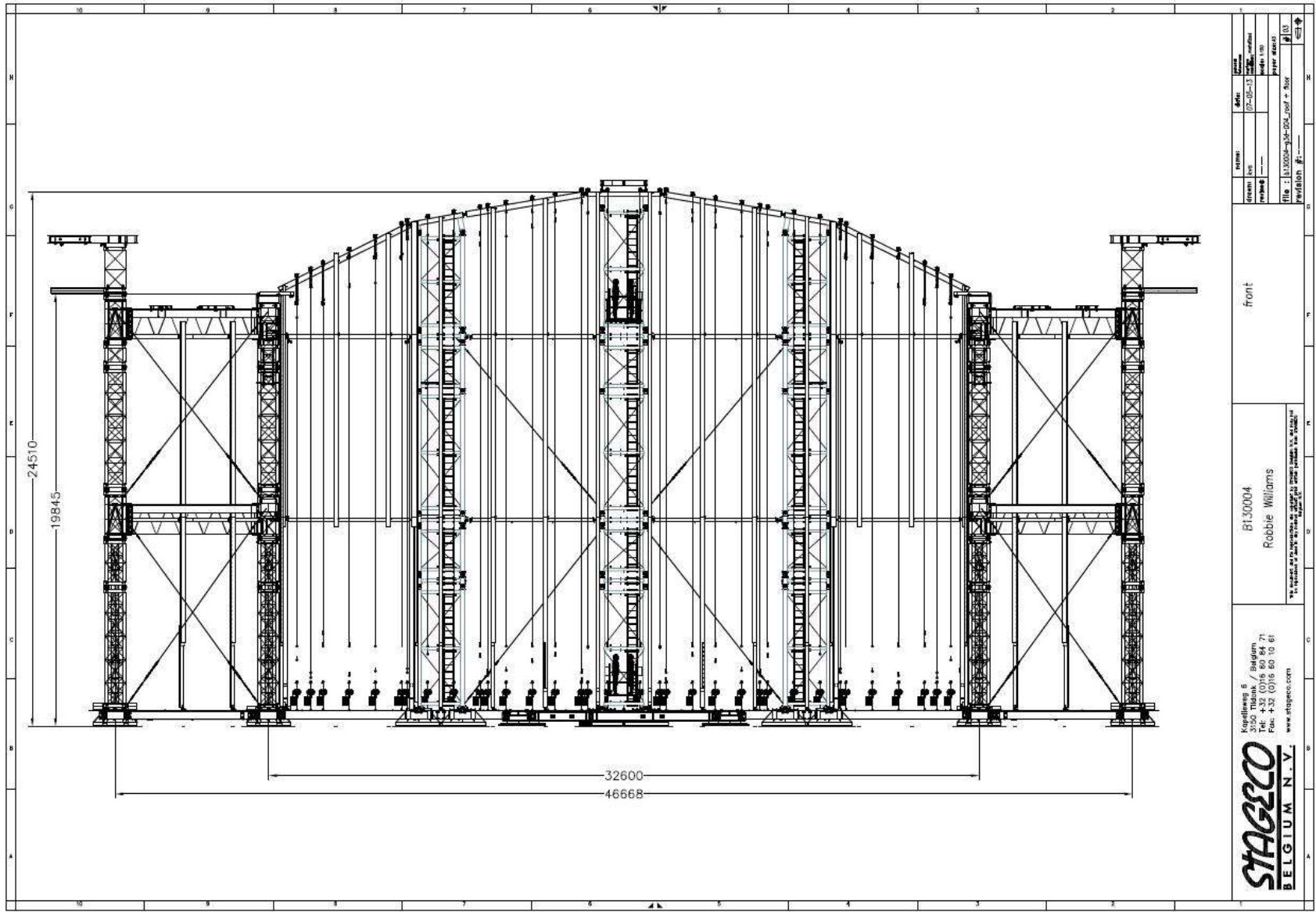
B130004
Robbie Williams
* In opdracht van de organisatie van het concert op 20-11-2013 in de Stadshal van Brussel *

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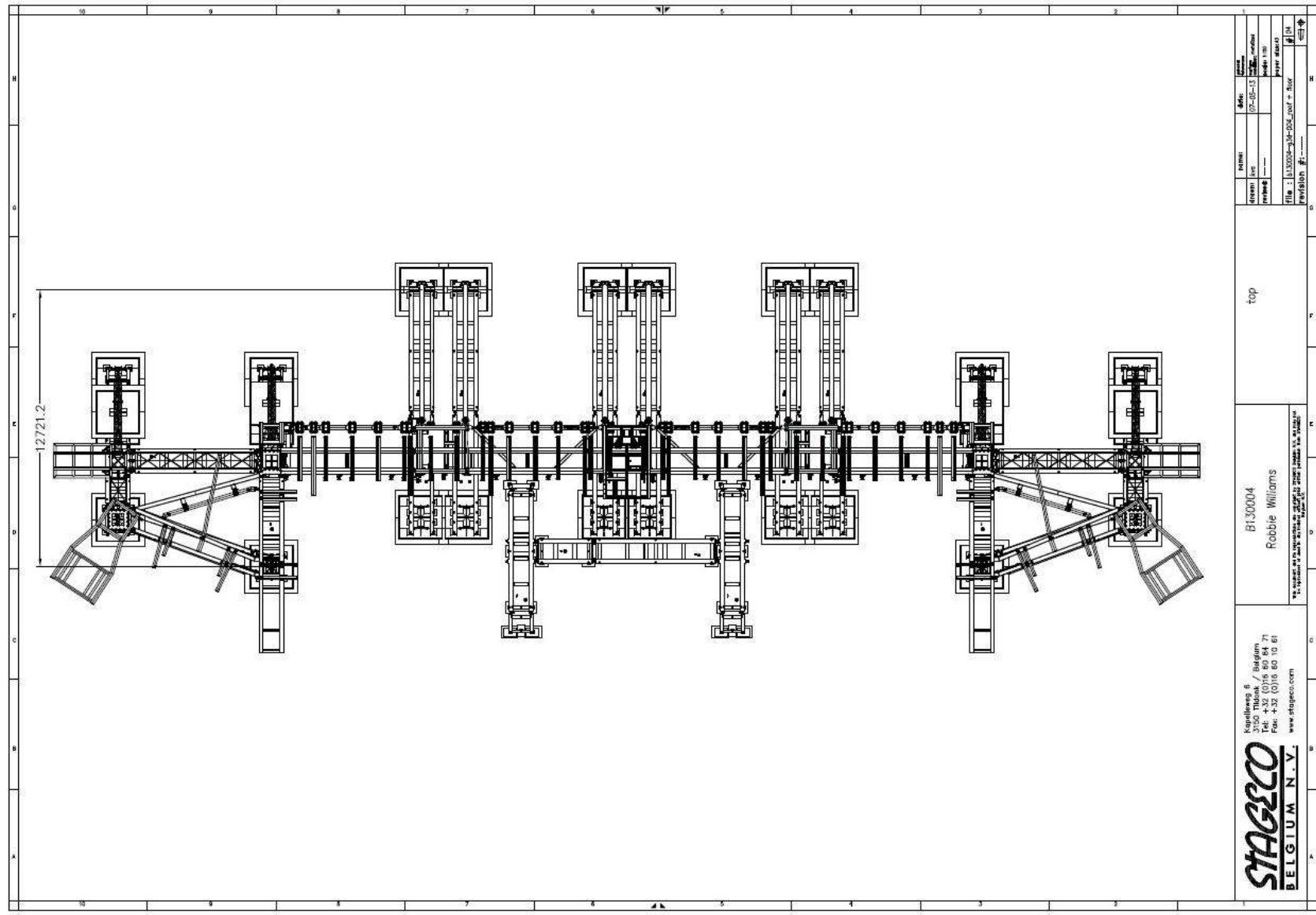
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DATE:	07-05-13
PROJECT:	
CLIENT:	
DESIGNER:	
SCALE:	1:1
FILE:	130004-04-204.dwg - Rig
REVISION #:	

top

BL30004
Robbie Williams

STAGELCO BELGIUM N.V. is a registered company in Belgium with legal entity number 047424282.

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Special Manufacturing



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Facts

- 2 sets steel / 1 set production
- Per steel set :
 - 385 t gear (including scaffold and floor)
 - 85 % standard parts / 15 % specials : all s355 except base frames (s235)
 - Main towers : 2x2 m section. Main tubes dia 219 x 10 mm s355 / pins dia 70 mm
 - 17 trailers
 - 14 stageco supervisors + 30 local crew
 - 3 days build / 1 day load out
 - 3 cranes / 6 forks / 2 man lifts

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Manchester build cycle



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