CAMATIC SEATING

Request for Proposals

Attention: Francesca Cameron

Camatic Seating Inc.

Stadium Seating and Installation

RFP # 603-COF1516262

Letter of Transmittal

Camatic Seating, Inc
12801 N Stemmons Fwy, Ste 903
Farmers Branch, TX 75234
Phone: +1 (682) 503 5317

CAMATIC

To: City of Fayetteville, NC
433 Hay St. | Fayetteville NC 28301

Camatic Project #:
Date: 29-May-18
Submittal #: 001

Attn: Francesca Cameron, CLGPO
Purchasing LSDBE Coordinator

Ref:

We are sending:
- X Proposal Drawings
- ___ Samples
- X Specifications
- X Request for Information
- ___ Change Order
- ___ Prints
- ___ Letter
- ___ Other

Submitted For:
- X RFP
- X Your use
- ___ As Requested
- ___ Review and Comment

Sent Via:
- x Attached FedEX
- ___ Separate Cover Via:

Item	Copies	Date	Description
1	1	28-May-18	Camatic Seating Proposal.

Remarks:
Supplement #1 Schedule
Supplement #2 Products Proposed
Supplement #3 Detailed Layout Drawings.
Supplement #4 Project Reference List.
Supplement #5 Work Plan and Construction Documents for Installation
Supplement #6 Resumes
Supplement# 7 Camatic Project Profiles.

Copy to:
Ken Griffiths
Quinton Van Tonder

Signed:
Quinton P Van Tonder
Camatic Seating, Inc
e-mail: quinton.vantonder@camatic.com

Request for Proposal
Attention: Francesca Cameron
Camatic Seating Inc.
Stadium Seating and Installation
RFP # 603-COF1516262

Company:	**Primary Contact:**
Camatic Seating inc. 12801 N. Stemmons Fwy, Ste 903, Farmers Branch, TX, 75234	Quinton van Tonder 1601 Keever Ct Louisville KY 40245 502 352 8280

Camatic Seating has a very clear understanding of the project requirements and schedule. We have been in several meetings with the City and Construction Management Team and have developed a construction plan that will meet all your requirements. Please refer to **Supplement #1** (Schedule) and **Supplement #5**(Project Work Instructions)

We have also included detailed layout drawings for the project that meets and exceeds the architectural seat counts. **Supplement # 3**(Layout Drawings)

Firm Qualifications:

Background.

For over fifty years Camatic Seating has delivered professional customer support, best quality products and innovative solutions. We are known the world over as the first choice in design, comfort and technology. Camatic has developed a national reputation for innovative design and manufacturing excellence. Throughout the 1980's and 1990's new designs and seating concepts were successfully introduced into theatre and stadium markets, resulting in the company becoming one of the world's largest manufacturer of theatre and stadium seating.

Major international success arrived during the mid 1990's with the company winning world-wide projects such as the refurbishment of the Pasadena Rose Bowl and the contract to supply stadium seating for the Atlanta Olympic Games. Further major successes ensued both domestically and around the globe. To facilitate the increasing amount of overseas interest in the theatre, stadium and performing arts seating products, international offices have been established in the United States and Europe. A network of Sales Agents in various strategic parts of the world completes the Camatic team and ensures that Camatic products are presented daily to potential users.

Camatic Seating has one of the most modern manufacturing facilities in the world and is arguably the only facility to maintain all phases of the seating design and manufacturing

process in-house. We are therefore able to provide a fully controlled standard across our entire range. Camatic Seating is one of only a few companies to use backing foam bonded to the fabric for a controlled stretch. This ensures a smooth finish, easy re-upholstery and extended lifetime of usage. Whether the seating requirement is for high resilient cold-cured polyurethane foam or gas-assist injection molding, Camatic Seating is equipped to ensure consistent quality at all stages of production. We have received major industry awards in recognition of our excellence in design, manufacturing and export achievements. Our research and development team continue to design, develop and improve Camatic Seating for the future.

PRINCIPAL INFORMATION

Name	Position	Length of time in position	Length of time with firm
David Fisher	CEO	35 yrs	35 yrs
Adam Fisher	Director	25 yrs	25 yrs
Glenn Gambetta	COO	12 months	15 yrs
Ken Griffiths	Senior Vice President	6 yrs	17 yrs

Number of contracts you have completed in the volume ranges indicated below:	
Under $100,000	250
$100,001 to $250,000	200
$250,001 to $500,000	175
$500,001 to $1,000,000	150
$1,000,001 to $2,500,000	50
$2,500,001 to $5,000,000	20
$5,000,001 to $7,500,000	12
$7,500,001 to $10,000,000	6
$10,000,001 to $15,000,000	2
$15,000,001 to $25,000,000	None
Above $25,000,000	None

Supervisory Staff Resumes Included:

1. Gene O` Dor – Site Management
2. Ken Griffiths – Snr. VP
3. David Weymouth – Operations
4. Kane DuPont – Project Management.

5. Quinton van Tonder – Director Sale`s /Service

Supplemental Information:

Supplement #1	Schedule
Supplement #2	Products Proposed
Supplement #3	Detailed Layout Drawings.
Supplement #4	Project Reference List.
Supplement #5	Work Plan and Construction Documents for Installation
Supplement #6	Resumes
Supplement# 7	Camatic Project Profiles.

CAMATIC
SEATING

Request for Proposal
Attention: Francesca Cameron
Camatic Seating Inc.
Stadium Seating and Installation
RFP # 603-COF1516262

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$10,000,001 to $15,000,000	2
$15,000,001 to $25,000,000	None
Above $25,000,000	None

Supervisory Staff Resumes Included:

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CAMATIC
SEATING

5. Quinton van Tonder – Director Sale`s /Service

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City of Fayetteville
North Carolina

PURCHASING

May 21, 2018

MEMO TO: Prospective Service Providers

FROM: Francesca Cameron, Purchasing Agent

SUBJECT: **Addendum #1:**
RFP Stadium Seating and Installation for the Minor League Baseball Stadium/Entertainment Venue

DUE DATE AND TIME: MAY 30, 2018; 5:00 p.m.

1. The RFP solicitation documents are hereby modified per the attached Addendum #1 dated May 21, 2018. To include the following:
   a. **The Deadline has been extended to May 30, 2018 at 5pm.**
   b. Below are responses to all the questions received from the vendor community.

2. The foregoing changes shall be incorporated in the RFP solicitation documents, and a copy of the Addendum #1, signed by the Service Provider, must accompany the proposal to indicate the Service Provider's familiarity with the changes.

Service Provider Acknowledgement:

Service Provider Name (Print): Gametic Seating

Service Provider Signature: [signature]

Date of Signature: 05/24/2018

Section 6
Required Forms

REQUIRED FORM 2 - ADDENDA RECEIPT CONFIRMATION

RFP # 603-COF1516262

Stadium Seating and Installation

Please acknowledge receipt of all addenda by including this form with your Proposal. All addenda will be posted to the City of Fayetteville website and NC IPS website.

ADDENDUM #:	DATE:
#1	05/21/18

I certify that this proposal complies with the Specifications and conditions issued by the City except as clearly marked in the attached copy.

QUINTON VAN TOWER
(Please Print Name)

05/28/18
Date

Authorized Signature

DIRECTOR
Title

CADDATIC SEATING
Company Name

Section 6
Required Forms

REQUIRED FORM 1 - REQUEST FOR PROPOSALS ACKNOWLEDGEMENT
RFP # 603-COF1516262
Stadium Seating and Installation

The Company hereby certifies receipt of the Request for Proposals for the City of Fayetteville, North Carolina RFP #603-COF1516262, Stadium Seating and Installation. This form should be completed upon receipt of the City's Request for Proposals and emailed by or before **MAY 15, 2018**. Failure to submit this form by the designated date shall not preclude the Company from submitting a proposal. Please email the completed Request for Proposals Acknowledgement Form to the attention of:

Francesca Cameron
City Purchasing Office
Email: NCameron@ci.fay.nc.us

Date: 05/14/18
Authorized Signature: [signature]
Title: SALES DIRECTOR NORTH AMERICA
Company Name: CAMATIC SEATING
Contact Name: QUINTON VAN TONDER
Contact E-mail address: QUINTON.VANTONDER@CAMATIC.COM
Contact Telephone: (502) 352.8280

Please check the appropriate space below and provide the requested information:

✓ **We plan to attend the Pre-Proposal Conference and plan on submitting a Proposal**
Indicate number of attendees: (1)

_____ **We do not plan to attend the Pre-Proposal Conference but plan on submitting a Proposal**
Reason: _____

_____ **We do not plan to attend the Pre-Proposal Conference and do not plan on submitting a Proposal**
Reason: _____

Section 6
Required Forms

REQUIRED FORM 3 - PROPOSAL SUBMISSION FORM

RFP # 603-COF1516262

Stadium Seating and Installation

This Proposal is submitted by:
Company Name: CAMATIC SEATING, INC.
Representative (printed): QUINTON P VAN TONDER
Address: 12801 N. STEMMONS FWY. Ste. 903
City/State/Zip: FARMERS BRANCH, TX 75234
Email address: QUINTON.VANTONDER@CAMATIC.COM
Telephone: (302) 352-8280
(Area Code) Telephone Number

The representative signing above hereby certifies and agrees that the following information is correct:

1. In preparing its Proposal, the Service Provider has considered all proposals submitted from qualified, potential subcontractors and suppliers; and has not engaged in or condoned prohibited discrimination.
2. For purposes of this Section, discrimination means discrimination in the solicitation, selection, or treatment of any subcontractor, vendor or supplier on the basis of race, ethnicity, gender, age or disability or any otherwise unlawful form of discrimination. Without limiting the foregoing, discrimination also includes retaliating against any person or other entity for reporting any incident of discrimination.
3. Without limiting any other provision of the solicitation for proposals on this project, it is understood and agreed that, if this certification is false, such false certification will constitute grounds for the City to reject the Proposal submitted by the Service Provider on this Project and to terminate any contract awarded based on such Proposal.
4. As a condition of contracting with the City, the Service Provider agrees to maintain documentation sufficient to demonstrate that it has not discriminated in its solicitation or selection of subcontractors. The Service Provider further agrees to promptly provide to the City all information and documentation that may be requested by the City from time to time regarding the solicitation and selection of subcontractors. Failure to maintain or failure to provide such information constitutes grounds for the City to reject the bid submitted by the Service Provider or terminate any contract awarded on such bid.
5. As part of its Proposal, the Service Provider shall provide to the City a list of all instances within the past ten years where a complaint was filed or pending against Service Provider in a legal or administrative proceeding alleging that Service Provider discriminated against its subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.
6. The information contained in this Proposal or any part thereof, including its Exhibits, Schedules, and other documents and instruments delivered or to be delivered to the City, is true, accurate, and complete. This Proposal includes all information necessary to ensure that the statements therein do not in whole or in part mislead the City as to any material facts.
7. It is understood by the Company that the City reserves the right to reject any and all Proposals, to make awards on all items or on any items according to the best interest of the City, to waive formalities, technicalities, to recover and re-bid this RFP.
8. This Proposal is valid for one hundred and eighty (180) calendar days from the Proposal due date.

I, the undersigned, hereby acknowledge that my company was given the opportunity to provide exceptions to the Sample Terms as included herein as Exhibit A. As such, I have elected to do the following:

___ Include exceptions to the sample contract in the following section of my Proposal:_____

✓ Not include any exceptions to the Sample Terms.

I, the undersigned, hereby acknowledge that my company was given the opportunity to indicate any Trade Secret

materials or Personally Identifiable Information ("PII") as detailed in Section 1.6.X. I understand that the City is legally obligated to provide my Proposal documents, excluding any appropriately marked Trade Secret information and PII, upon request by any member of the public. As such, my company has elected as follows:

___ The following section(s) of the Proposal are marked as Trade Secret or PII: _____

✔ No portion of the Proposal is marked as Trade Secret or PII.

Representative (signed): _____

Section 6
Required Forms

REQUIRED FORM 6 – COMPANY'S BACKGROUND RESPONSE

RFP # 603-COF1516262

Stadium Seating and Installation

Companies shall complete and submit the form below as part of their response to this RFP. Additional pages may be attached as needed to present the information requested.

Company's legal name	CAMATIC SEATING. INC
Company Location (indicate corporate headquarters and location that will be providing the Services).	12801 N STEMMONS FWY Ste. 903 FARMERS BRANCH, TX
How many years has your company been in business? How long has your company been providing the services detailed in section 3.	FIFTY YEARS.
How many construction installation projects similar to this have you completed? Identify by name some of the clients similar to City (e.g., similar in size, complexity, location, type of organization).	SEE SUPPLEMENT #4
List any projects or services terminated by a government entity. Please disclose the government entity that terminated and explain the reason for the termination.	NONE
List any litigation that your company has been involved with during the past two (2) years for Services similar to those in this RFP.	NONE
Provide an overview and history of your company.	SEE COVER LETTER
If your company is a subsidiary, identify the number of employees in your company or division and the revenues of proposing company or division.	120 Employees $55 M
Provide a management organization chart of your company's overall organization, including director and officer positions and names and the reporting structure.	SEE SUPPLEMENT #5 WORK PLAN
Describe the key individuals along with their qualifications, professional certifications and experience that would comprise your company's team for providing the Services.	SEE SUPPLEMENT #6 STAFF RESUMES
Explain how your organization ensures that personnel performing the Services are qualified and proficient.	SEE SUPPLEMENT #6

CAMATIC

Supplement # 4

1. **Project Experience:**
    a. Las Vegas Arena – Penta, Hunt Joint Venture
        i. Gene Vincent - 702-567-4262
        ii. $2.6M
    b. Atlanta Falcons - Holder, Hunt, Russell, Moody,a Joint Venture
        i. Stephan Ross - 214-457-1342
        ii. $10.4M
    c. AT & T Center San Antonio- Hunt Construction
        i. John Morgan - 469-693-1444
        ii. $3,2M
    d. San Fransisco 49'ers - Turner, Devcon, a Joint Venture
        i. Jonathan Harvey - 408-942-8200
        ii. $9,8M
    e. San Jose Earthquakes – Devcon Constuction
        i. Jonathan Harvey - 408-942-8200
        ii. $2,33M
    f. San Antonio Spurs - Hunt Construction Group. Inc.
        i. Sid Perkins Phone: 786-367-1269
        ii. $3.1M
    g.

2. **Supplier References:**
    a. MC Fabricators – Brad Mitchell 913-764-5454
    b. Mesa Fasteners - Randy Jones 858-587-9592
    c. Plasticon Industries – Tyana Dominguez 510- 488 -1010

3. **Installer Information:**
    a. Resume attached for Seating installation Group
    b. Projects list: Projects installed for Camatic Seating.
        i. Mercedes Benz Falcons Football Stadium -Atlanta, GA
        ii. Orlando City Soccer Club Stadium -Orlando, FL
        iii. Santa Clara 49ers Football Stadium -Santa Clara, CA Embarcadero Center Cinema -San Francisco, CA
        iv. San Jose Earthquake Soccer Stadium -San Jose, CA
        v. Dallas Cowboys Football Stadium -Arlington, TX

REQUIRED FORM 7 – REFERENCES

RFP # 603-COF1516262

Stadium Seating and Installation

Companies shall complete the form below. The City's preference is for references from organizations of similar size or where the Company is performing similar services to those described herein. If such references are not available, individuals or companies that can speak to the Company's performance are adequate.

Reference 1	
Company Name	PENTA, HUNT CONSTRUCTION
Contact Name	GENE VINCENT
Phone Number	702-567-4262
Reference 2	
Company Name	HOLDER MOODY (ATLANTA FALCONS)
Contact Name	STEPHAN ROSS
Phone Number	214-457-1342
Reference 3	
Company Name	HUNT CONSTRUCTION
Contact Name	JOHN MOLGAN
Phone Number	469693-1444
Reference 4	
Company Name	TURNER CONSTRUCTION
Contact Name	JONATHAN HARVEY
Phone Number	408-942-8200
Reference 5	
Company Name	BARTON MALOW
Contact Name	ROSLYN HENDERSON
Phone Number	321-354-5744

Section 6
Required Forms

REQUIRED FORM 4 - PRICING WORKSHEET

RFP # 603-COF1516262

Stadium Seating and Installation

Regardless of exceptions taken, Companies shall provide pricing based on the requirements and terms set forth in this RFP and all attachments. **Service Provider agrees to perform all of the work identified in Section 3 – Scope of work. The total proposed project price shall be all-inclusive and cover every aspect of the Project. Cost must be in United States dollars. Please provide amounts in both written and numerical form. In case of discrepancy, amount in words will govern.** ** Service Providers MUST provide an itemized quote detailing all the costs that total the number provided as the Total Base Proposed Project Price.

Stadium Seating and Installation Turnkey – Lump Sum - Proposed Pricing Form	
Description	**Price**
Total Cost of **Concourse** Seats (Furnished and Installed) Inclusive of Logo, Armrest, Cup holder, row/seat numbering	$ 346,694.80
Total Cost of **Club** Seats (Furnished and Installed) Inclusive of Logo, Armrest, Cup holder, row/seat numbering	$ 29,748.00
Sales/Use Tax	$ 0.00
Total Base Proposed Project Price:**	$ 376,442.80
** Service Providers MUST provide an itemized quote detailing all the costs that total the number provided as the Total Base Proposed Project Price.	

Unit Prices	
Description	**Unit Price**
Unit Price (Furnished and Installed) - Concourse Seat inclusive of logo, armrest, cupholders, row / seat numbering	$ 98.00
Unit Price (Furnished and Installed) - Club Seat inclusive of logo, armrest, cupholders, row / seat numbering	$ 127.80
Unit Price: (Furnished and Installed) - Arm Rests	$ 7.50
Unit Price: (Furnished and Installed) - Cupholders	$ 3.80
Unit Price: (Furnished and Installed) - Replacement Seats for Attic Stock - Concourse Seat inclusive of logo, armrest, cupholders, row / seat numbering	$ 85.00
Unit Price: (Furnished and Installed) - Replacement Seats for Attic Stock - Club Seat inclusive of logo, armrest, cupholders, row / seat numbering	$ 110.00
Unit Price: (Furnished and Installed) - Custom Team Logo mounted to end stanchion	$ 8.00 (INCLUDES PANEL)

Section 6
Required Forms

Alternates: Rail mounted seating instead of traditionally bolt anchor mounted seating.	
Description	**Lump Sum Price**
Total Cost of Rail mounted Concourse Seats (Furnished and Installed) Inclusive of Logo, Armrest, Cup holder, row/seat numbering	$ 346,694.80
Total Cost of Rail mounted Club Seats (Furnished and Installed) Inclusive of Logo, Armrest, Cup holder, row/seat numbering	$ 29,748.00
Sales/Use Tax	$ 0.00
Total Rail Mounted Base Proposed Project Price:	$ 376,442.80

Has this service provider been cited by state or federal OSHA for any serious or willful violations? If yes, please describe:

Service Provider understands that the City reserves the right to accept or reject in whole or part any or all proposed pricing received. Furthermore, the City reserves the right to waive any informalities or irregularities therein, to accept a proposal that represents the best value to the City for this construction project.

Signature

Date: 05/23/18

Camatic Seating Inc

City of Fayetteville - Minor League Baseball Seating.

Seat Type compliance to Cal TB 117 — 28-May-18

Base fabric - Marine Grade Vinyl (Camatic Standard Fabric)

	Quantity	Unit Price	Total
Type 1 - Quantum Series 850 Slat back - 21"			
Quantum Bare	3,448	$ 98.80	$ 340,760.80
Type 2 - Quantum Series 850 Slat Back - 22"			
Q850 with Padded Seat	238	$ 122.70	$ 29,198.00
Spares - Qty per Specifications	74		$ 6,484.00
Total - Lump Sum Contract (excluding Tax)	**3,760**	**Sub-Total**	**$ 376,442.80**
Sales & Use Tax at 0%			$ -
Total Lump Sum (Including Tax)			**$ 376,442.80**

Alternates:	Quantity	Unit Price	Total	
1 P&P Bonds (if required)			$ 6,402.00	Add
2 Cost reduction for CCIP			$ 3,686.00	Adeduct

Scope of Work / Clarifications

Includes Material and Installation

Assumes 1 color or block color of GA Seating.

Assumes Camatic Standard Fabric and Color.

Cup-holders included to all product

P&P Bonds are not included. Add alternate provided.

All insurance included. Deduct provided if CCIP or OCIP.

Includes freight to site.

All Stainless steel or galvanized anchors & hardware.

Dumpsters to be supplied by GC for miscellaneous trash.

Camatic Seating Inc

City of Fayetteville - Minor League Baseball Seating.

CIP Concrete Substrate 28-May-18

Seat Type compliance to Cal TB 117

Base fabric - Marine Grade Vinyl (Camatic Standard Fabric)

	Quantity		Unit Price		Total
Type 1 - Quantum Series 850 Slat back - 21"					
Quantum Bare	3,448	$	75.00	$	258,600.00
Installation	3,448	$	18.30	$	63,098.40
Seat Pad - Marine Grade Vinyl	-	$	-	$	-
ADA Armrests	-	$	12.00	$	-
Row ID Plates	400	$	2.50	$	1,000.00
End of Row Logo (Panel arm w/Resin dome)	400	$	8.00	$	3,200.00
Cup-holders - Rear mount	3,448	$	3.80	$	13,102.40
Cup-holder (Arm mount)	220	$	8.00	$	1,760.00
				$	340,760.80
Average Price / Seat		**$**	**98.80**		
Type 2 - Quantum Series 850 Slat Back - 22"					
Q850 with Padded Seat	238	$	75.00	$	17,850.00
Installation	238	$	18.30	$	4,355.40
Seat Pad - Marine Grade Vinyl	238	$	22.90	$	5,450.20
ADA Armrests	-	$	12.00	$	-
Row ID Plates	56	$	2.50	$	140.00
End of Row Logo (Panel arm w/Resin dome)	56	$	8.00	$	448.00
Cup-holders - Rear mount	226	$	3.80	$	858.80
Cup-holder (Arm mounted)	12	$	8.00	$	96.00
Removabile Chairs (Backets only)	-	$	-	$	-
				$	29,198.00
Average Price / Seat		**$**	**122.70**		

Spares (Not Installed)	Quantity		Unit Price		Total
Seat Type 1 - Per Specifications	69	$	86.00	$	5,934.00
Seat Type 2 - Per Specifications	5	$	110.00	$	550.00
30 % Fabric				$	1,200.00
Total	74			**$**	**6,484.00**

Total - Lump Sum Contract		**$**	**376,442.80**
Tax	0.00%	$	-
Total - Lump Sum Contract (including Tax)		**$**	**376,442.80**
Total Installation Included in Contract Price		$	67,454.00

Alternates:

	Quantity	Unit Price	Total
1 P&P Bonds (if required)			7,529.00
2 Cost reduction for CCIP			3,686.00

07-Mar-18

City of Fayetteville - Minor League Baseball

		Type 1	Type 2	Comments
		Quantum Series - 21" - With arm - With Cup Holder	Quantum Series - 22" - With arm - With seat Pads - With Cup Holder	SECTION 12 61 00 - FIXED AUDIENCE SEATING
	Section			
	Main Concourse stadium chairs	3,448		21" inch minimum width with arms and cups cup holder, and armrest.
	1st Base Party Deck stadium chairs (22” wide minimum)		74	22 inch minimum (Padded Seat)with arms and cups cup holder, and armrest.
	Club Lounge stadium chairs (22” wide minimum)		92	22 inch minimum (Padded Seat)with arms and cups cup holder, and armrest.
	Suite stadium chairs (22” wide minimum)		72	22 inch minimum (Padded Seat)with arms and cups cup holder, and armrest.
	Grand Total	**3,448**	**238**	

Total Seat Count.		3,686
Spares		74
Target Count		3760
Not Included (FF&E)	Stick Built Platform Seat	0
Not Included (FF&E)	Concourse bar rail	0
Not Included (FF&E)	Concert Floor (End Stage	0
Taget Final count		3760

REQUIRED FORM 5 – M/W/LSBE UTILIZATION

RFP # 603-COF1516262

Stadium Seating and Installation

The City maintains a strong commitment to the inclusion of LSDBEs in the City's contracting and procurement process when there are viable subcontracting opportunities.
Companies must submit this form with their proposal outlining any supplies and/or services to be provided by each City certified Small Business Enterprise (SBE), and/or City registered Minority Business Enterprise (MBE) and Woman Business Enterprise (WBE) for the Contract. If the Company is a City-registered LSDBE, note that on this form.
The City recommends you exhaust all efforts when identifying potential LSDBEs to participate on this RFP.

Company Name:	MINC INTERIORS - FAYETTEVILLE, NC

Please indicate if **your company** is any of the following:

____ MBE ___✓___WBE ____SBE ____ None of the above

If your company has been certified with any of the agencies affiliated with the designations above, indicate which agency, the effective and expiration date of that certification below:

Agency Certifying: _____ Effective Date: _____ Expiration Date: _____

Identify outreach efforts that *were employed* by the firm to maximize inclusion of LSDBEs to be submitted with the firm's proposal (attach additional sheets if needed):

We have tried to make Contact several time. We still plan to use some of their labor for this project.

Identify outreach efforts that *will be employed* by the firm to maximize inclusion during the contract period of the Project (attach additional sheets if needed):

[Form continues on next page]

Section 6
Required Forms

List below all **LSDBEs** that you intend to subcontract to while performing the Services:

Subcontractor Name	Description of work or materials	Indicate either "M", "S", and/or "W"	City Vendor #
MINC Irrigation	LABOR	W	

Total MBE Utilization	%
Total WBE Utilization	5 %
Total LSBE Utilization	%
Total LSDBE Utilization	%

Representative (signed): _____

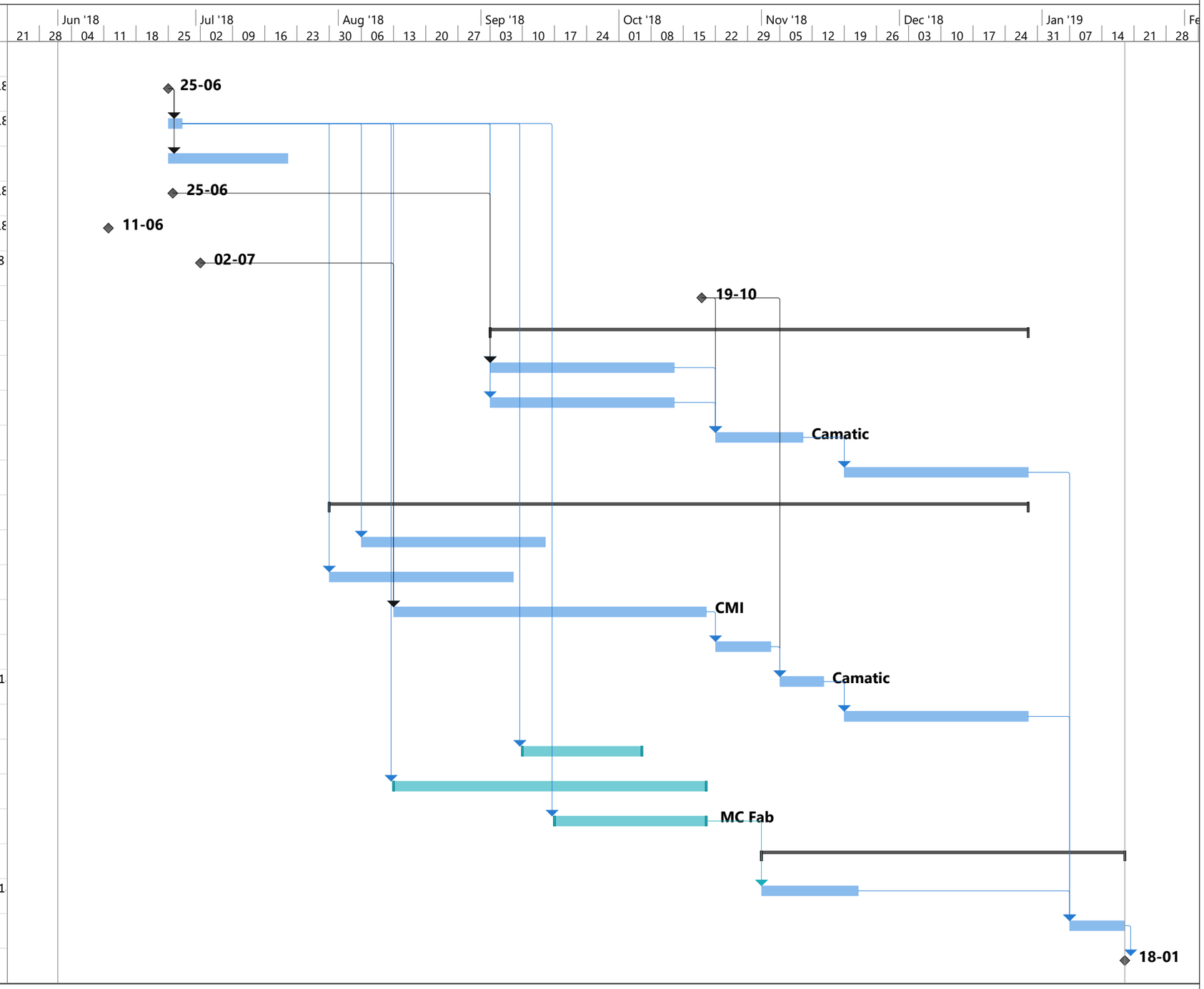
05/23/18
Date

_____
Representative Name

TBD
Estimated Total Contract Value

Fayetteville, NC
Camatic Seating

ID	Task Mode	Task Name	Duration	Start	Finish
1					
2		Order received	0 days	Mon 25 Jun '18	Mon 25 Jun '18
3		Process order	3 days	Mon 25 Jun '18	Wed 27 Jun '18
4		Drawing Submittals	4 wks	Mon 25 Jun '18	Fri 20 Jul '18
5		Client color approval	0 days	Mon 25 Jun '18	Mon 25 Jun '18
6		Fabric Submittals	0 days	Mon 11 Jun '18	Mon 11 Jun '18
7		Fabric Approval	0 days	Mon 02 Jul '18	Mon 02 Jul '18
8		Tooling Available	0 days	Fri 19 Oct '18	Fri 19 Oct '18
9		**Quantum 850 (3,448)**	**85 days**	**Mon 03 Sep '18**	**Fri 28 Dec '18**
10		Resin	6 wks	Mon 03 Sep '18	Fri 12 Oct '18
11		components	6 wks	Mon 03 Sep '18	Fri 12 Oct '18
12		Manufacture chairs	3 wks	Mon 22 Oct '18	Fri 09 Nov '18
13		Freight to Site	6 wks	Mon 19 Nov '18	Fri 28 Dec '18
14		**Quantum 850 (238)**	**110 days**	**Mon 30 Jul '18**	**Fri 28 Dec '18**
15		components	6 wks	Mon 06 Aug '18	Fri 14 Sep '18
16		Resin	6 wks	Mon 30 Jul '18	Fri 07 Sep '18
17		Fabric	10 wks	Mon 13 Aug '18	Fri 19 Oct '18
18		Bonding	2 wks	Mon 22 Oct '18	Fri 02 Nov '18
19		Manufacture chairs	1.5 wks	Mon 05 Nov '18	Wed 14 Nov '1
20		Freight to site	6 wks	Mon 19 Nov '18	Fri 28 Dec '18
21		Anchors	4 wks	Mon 10 Sep '18	Fri 05 Oct '18
22		Beam	10 wks	Mon 13 Aug '18	Fri 19 Oct '18
23		Brackets	5 wks	Mon 17 Sep '18	Fri 19 Oct '18
24		**installation**	**57 days**	**Thu 01 Nov '18**	**Fri 18 Jan '19**
25		Beam/Bracket	3 wks	Thu 01 Nov '18	Wed 21 Nov '1
26		Quantum 850 chairs	2 wks	Mon 07 Jan '19	Fri 18 Jan '19
27		completion	0 days	Fri 18 Jan '19	Fri 18 Jan '19



Project: 180521 Fayetteville Sch
Date: Mon 21 May '18

Task	Project Summary	Manual Task	Start-only	Deadline	
Split	Inactive Task	Duration-only	Finish-only	Progress	
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress	
Summary	Inactive Summary	Manual Summary	External Milestone		

Letter of Transmittal

Camatic Seating, Inc
12801 N Stemmons Fwy, Ste 903
Farmers Branch, TX 75234
Phone: +1 (682) 503 5317

To: Barton Malow Company
225 Ray Ave. Suite 100
Fayetteville, NC 28301

Camatic Project #:
Date: 11-May-18
Submittal #: 001A

Attn: Sr. Project Manager
Rosyln Henderson

Ref: Fayetteville, NC Ballpark

We are sending:

	Shop Drawings
x	Samples
	Specifications
	Request for Information
	Change Order
	Prints
	Letter
	Other

Submitted For:

x	Approval
	Your use
	As Requested
	Review and Comment

Sent Via:

x	Attached
	Separate Cover Via:

Item	Copies	Date	Description
1	1	11-May-18	Camatic Graphite PP
2	1	11-May-18	Camatic Black PP
3	1	11-May-18	Notredame PP

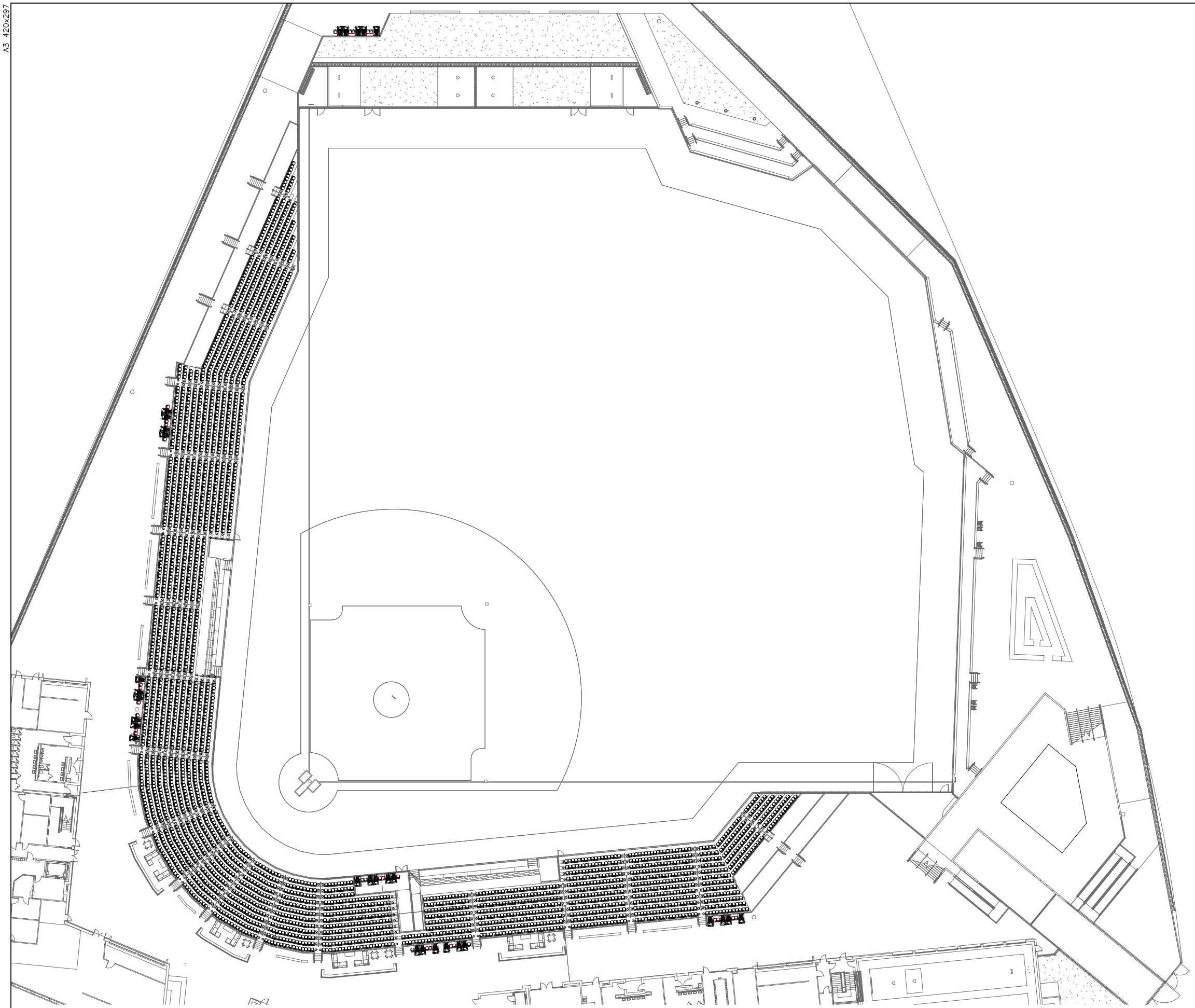
Remarks:
Please review and return as approved or noted for corrections.

Copy to:
Ken Griffiths
Quinton Van Tonder

Signed:
Kane DuPont
Camatic Seating, Inc
e-mail: kane.dupont@camatic.com


CAMATIC
CAMATIC GRAPHITE
7754
CAMATIC
CAMATIC BLACK
9292
CAMATIC
Notradame

A3 420x297



Installation Criteria

Layouts are submitted based on the following conditions:

1. *Verification of compliance with all relevant building codes is the exclusive responsibility of the customer and / or architect.*
2. *Seating layout is subject to site survey.*
   a. *Field verify all set out dimensions including riser heights and plat depths prior to drilling. Any significant variation to layout must be approved prior to proceeding.*
   b. *When installation is not included in Camatic's contract, verification of site building dimensions is the responsibility of the client.*
3. *Concrete Fixing Criteria*
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   b. *The surface shall be smooth and flat to with in a maximum of +/– 3.00mm (1/8") over 1500mm (60") measured with a straight edge.*
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4. *Timber Floor Fixing Criteria*

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   CES 710–11

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	☐ TIMBER (32mm Structural Ply)
	☐ OTHER - SPECIFY :
FLOOR COVER	☐ CARPET
	☐ OTHER - SPECIFY :

SUBMISSION FOR APPROVAL

☐ APPROVED – FOR INSTALLATION & MANUFACTURE
☐ RESUBMIT – WITH CORRECTION AS PER MARK–UPS

Authorised by: Date:
Position/Title:
Company:

NOTES

Main Concourse

Camatic	Description	Fixed	WC	WC COMP	Total	Architect	WC	WC COMP	Total
TOTAL		3448	25	28	3501	3278	25	25	3328

PRELIMINARY -NOT FOR INSTALLATION

CAMATIC *93 Lewis Rd, Wantirna Sth. Victoria 3152, Australia.*
PH: (03) 9837–7777 FAX: (03) 9887 3485

REVISIONS			
	A	14.2.2018 CC	PROVISIONAL ISSUE
	No	DATE & INITIAL	DESCRIPTION

SCALE

TITLE: STADIUM LAYOUT

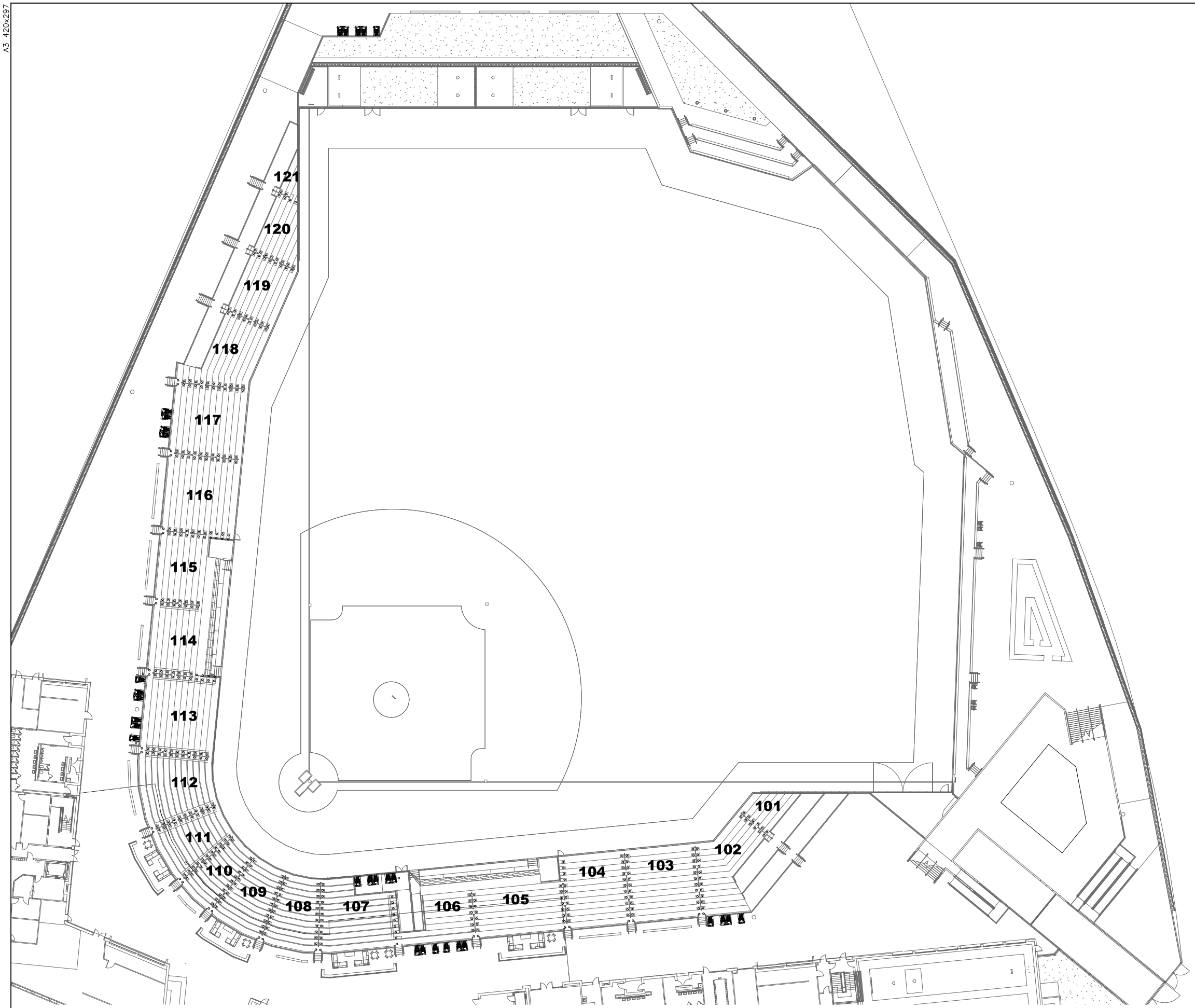
PROJECT: Fayetteville NC - Baseball Park (Astros)

CLIENT DWG NO: Fayetteville Main Concourse

DRAWING NUMBER: 730200 - 1000 A

A3 420x297

A3 420x297



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SUBMISSION FOR APPROVAL

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☐ RESUBMIT – WITH CORRECTION AS PER MARK–UPS

Authorised by: Date:

Position/Title:

Company:

NOTES

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PH: (03) 9837–7777 FAX: (03) 9887 3485

REVISIONS	No	DATE & INITIAL	DESCRIPTION
	A	14.2.2018 CC	PROVISIONAL ISSUE

SCALE

TITLE: STADIUM LAYOUT

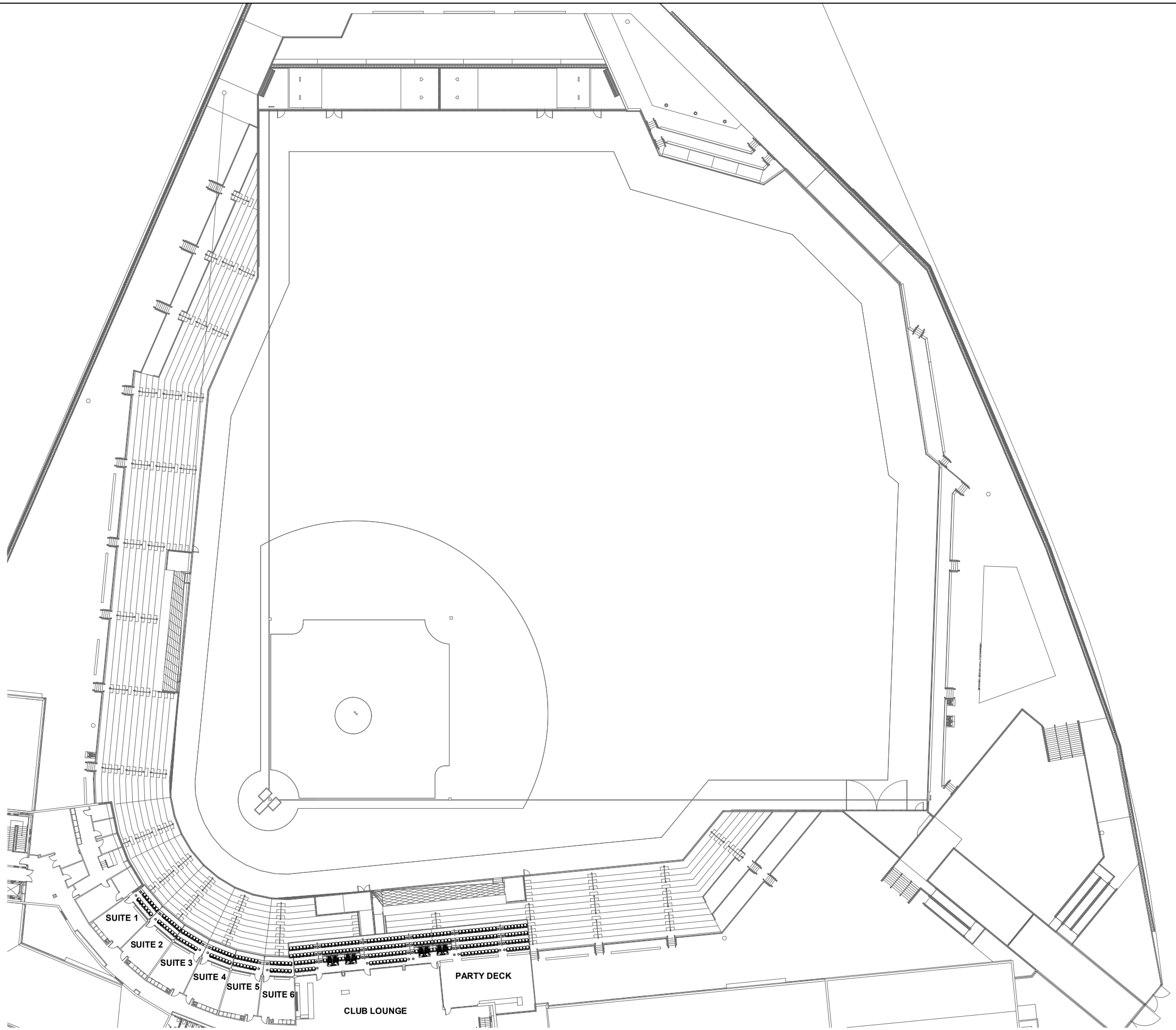
PROJECT: Fayetteville NC - Baseball Park (Astros)

CLIENT DWG NO: Fayetteville Main Concourse

DRAWING NUMBER: 730200 - 1002 A

A3 420x297

A3 420x297



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☐ RESUBMIT – WITH CORRECTION AS PER MARK–UPS

Authorised by: Date:
Position/Title:
Company:

NOTES

Club Level

Camatic	Description	Fixed	WC	WC COMP	Total	Architect	WC	WC COMP	Total
TOTAL		266	13	13	292	238	8	8	254

PRELIMINARY -NOT FOR INSTALLATION

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REVISIONS			
A	14.2.2018	CC	PROVISIONAL ISSUE
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SCALE

TITLE: STADIUM LAYOUT

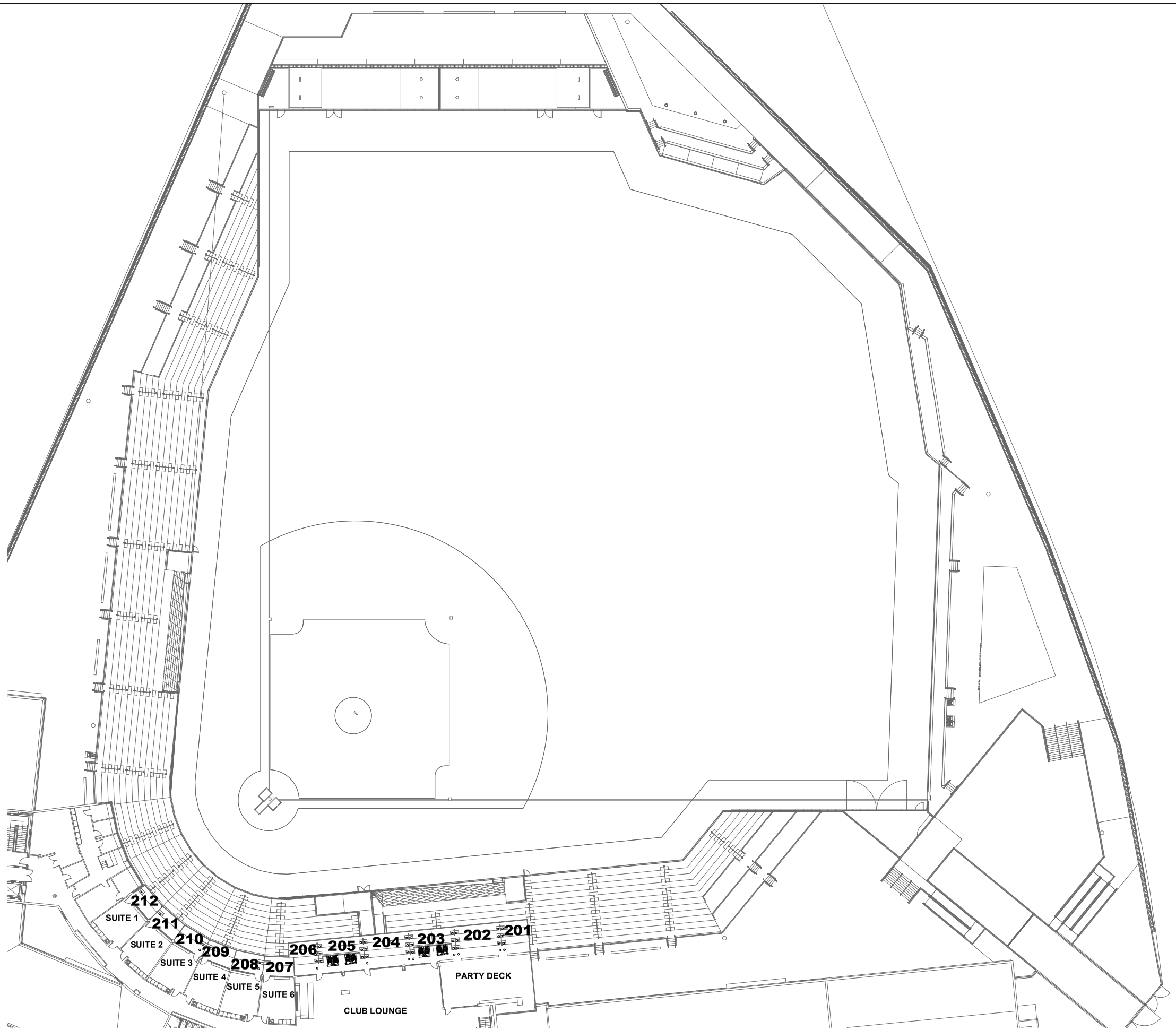
PROJECT: Fayetteville NC - Baseball Park (Astros)

CLIENT DWG NO: Fayetteville Club Level

DRAWING NUMBER: 730200 - 2000 A

A3 420x297

A3 420x297



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REVISIONS	No	DATE & INITIAL	DESCRIPTION
	A	14.2.2018 CC	PROVISIONAL ISSUE
SCALE			

TITLE: STADIUM LAYOUT
PROJECT: Fayetteville NC - Baseball Park (Astros)
CLIENT DWG NO: Fayetteville Club Level
DRAWING NUMBER: 730200 - 2002 A

A3 420x297


BUFFALO CREEK
ASTROS


18
3

Quantum™

CAMATIC

Quantum
Levi's Stadium - San Francisco 49'ers , San Francisco CA

Leading the world in comfort,
design and technology

www.camatic.com

Quantum™

www.camatic.com

The seat like no other

Put simply, Quantum seating maximizes capacity, delivers superior comfort and ensures long-term durability. Quantum has been designed in consultation with leading ergonomists and is arguably the most comfortable seat available today. The patented beam mount system that Quantum uses is a revolution. Seats are evenly spaced in every row, and can be easily added to, removed or re-spaced as events require. Quantum's low maintenance requirements have helped make this seating system extremely popular with venue operators around the world.

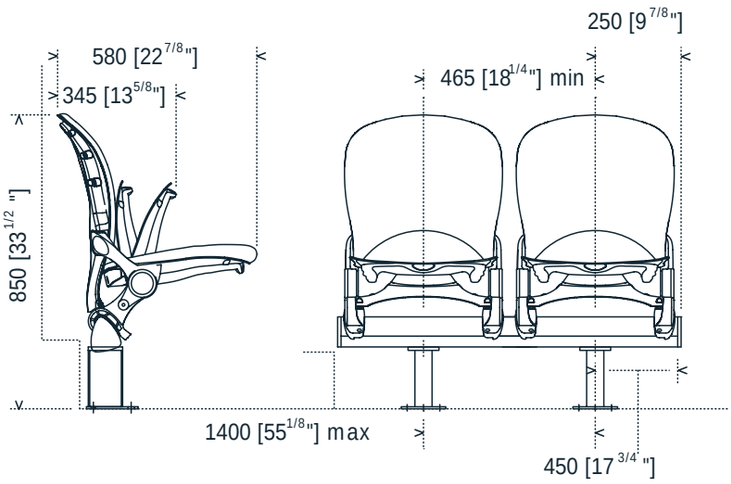
Features

- Guaranteed increase of venue capacity
- Gravity tilt seat - silent and reliable
- Enclosed mechanisms ensure safety
- Beam mounting - provides for future upgrades
- Quick installation

Options

- Avaliable in 3 back heights 770, 850 and 960 highback
- Range of standard colours
- Seat and Row ID's
- Cup holders
- Fixed armrests
- Aisle lights
- For seat pads see Quantum VIP

Quantum 850



Quantum 850

CAMATIC

Sales Office Australia Tel: 61 3 9837 7777 Fax: 61 3 9887 7777
Sales Office USA Tel: 1 682 503 5317 Fax: 1 817 663 2190
Email: sales@camatic.com Web: www.camatic.com

Quantum VIP™

CAMATIC

Quantum VIP

Leading the world in comfort,
design and technology

www.camatic.com

Quantum VIP™

www.camatic.com

The seat like no other

The Quantum 770/850 VIP range provides a more refined seating solution for arenas and stadiums. With cushioned, tamper resistant upholstery and a robust ergonomic design, Quantum Upholstered offers a superior level of comfort and style. Venue operators will appreciate low maintenance design elements and the flexibility of configuration options, with single or double armrests and writing tablet arms also available. Meanwhile spectators will appreciate a truly sophisticated and comfortable seat.

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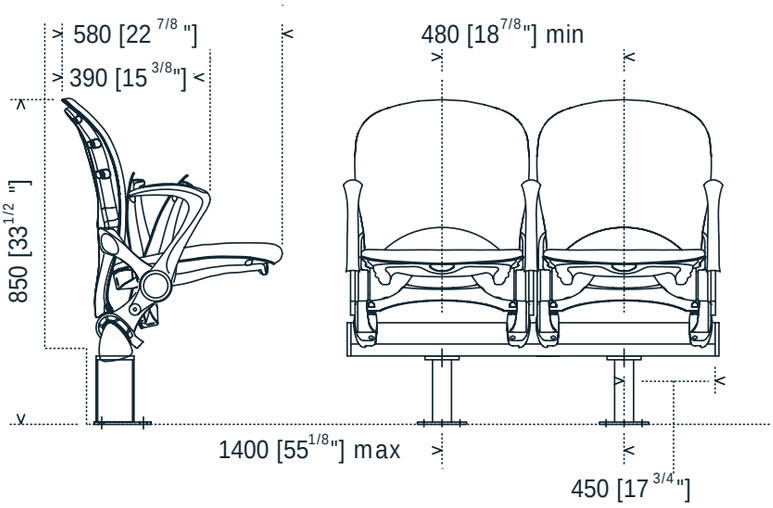
Quantum 850 VIP



Quantum 850 VIP

CAMATIC

Sales Office Australia Tel: 61 3 9837 7777 Fax: 61 3 9887 7777
Sales Office USA Tel: 1 682 503 5317 Fax: 1 817 663 2190
Email: sales@camatic.com Web: www.camatic.com

Quantum is the seat of choice. You will find it in world class stadiums such as Seattle's Seahawks Stadium, Chicago's Soldier Field, Australia's Telstra Dome, Portugal's Benfica Stadium, and Centre Court at Wimbledon.

Quantum is available in three back heights and features Camatic Seating's silent gravity tilt seat, removable upholstery, optional arms and tablets.

Universal options
The following options are available on all Quantum chairs:
- Armrests – single (shared) or double
- ADA access armrests
- Row end panel armrests
- Cup holders

Mounting system
The Quantum beam mount system enables bracket positioning at infinite locations along a row, thereby eliminating any loss of seating numbers due to expansion joints, angle changes or step interference.

Seat configuration
Quantum seats are installed at uniform centres along a corrosion resistant aluminium beam with two vandal proof locking toggles.

Gravity tilt seats
The innovative gravity tilt seats, using fully enclosed counterweights, are silent, dependable and reliable. A ¾ pushback mechanism ensures easy access for patrons.

Removable upholstery
When fitted, seat and back pads are fixed in five locations. These can be removed by unlocking a single vandal-proof fixing.

Easy installation
Once the Quantum beam system is installed, seats are delivered fully assembled and can be positioned quickly and with ease.

Quantum Features	770	850	960	Uno
Increased venue capacity – guaranteed	•	•	•	
Advanced ergonomic profile offers enduring comfort	•	•	•	•
Gravity tilt seat – silent and reliable, with zero maintenance	•	•	•	
All mechanisms fully enclosed ensuring safety	•	•	•	
Beam mounting provides for future upgrades and/or reconfiguration	•	•	•	
Tread, riser, removable and free standing mounting systems	•	•	•	
Fold down system for retractable platforms	•	•		
Stacking/linking – single, two seat and four seat modules				•
Upholstery pads options supplied initially or upgraded later	•	•	•	•
Quickly installed with beam and toggle locking system	•	•	•	
Certified to ASTM and En 12727 standards	•	•		

Upholstery Options				
Bare plastic with textured seating surfaces (anti-static)	•	•		•
Seat only pad	•	•		•
Seat and backrest pads	•	•	•	•
Marine vinyl with closed cell foam for extreme outdoor exposure	•	•	•	•
Easily removable seat and backrest pads via a single vandal proof fixing	•	•	•	•

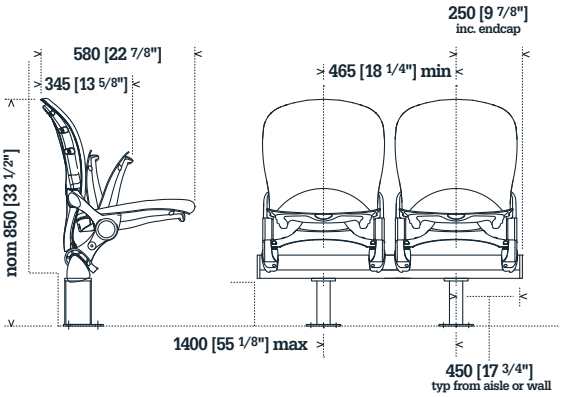
Options				
Range of standard colours or custom colours available (minimum applies)	•	•	•	•
Seat numbers	•	•	•	
Seat numbering to outer backrest – assists ushers in finding locations	•	•		
Row identification	•	•	•	•
Aisle light	•	•	•	•
Cup holders	•	•	•	
Fixed armrests	•	•	•	
ADA retracting armrests	•	•	•	
Row end filigree armrests	•	•	•	
Interactive video armrest	•	•	•	
Writing/press tables – single action anti-panic deployment	•	•	•	
Writing/press tables – D2 (2 actions of deployment)	•	•	•	
Writing/press tables – power and data management	•	•	•	
Removable system – single and two seat units	•	•	•	•
Fold-down system – 1, 2, 3 and 4 seat units	•	•		

Quantum™

Quantum 850
Sporting arenas see a lot of action both on and off the field, which is why the Quantum 850 is such a popular choice with venue operators worldwide.

It provides maximum comfort, easy maintenance and like the entire Quantum range it will increase the patron capacity of any venue.

Row end panels can be customized with a team or venue insignia so any arena can put its own stamp on this popular seating system.



Quantum 770/850 Upholstered
The Quantum 770/850 Upholstered range provides a more refined seating solution for arenas, stadiums, auditoriums and lecture theatres.

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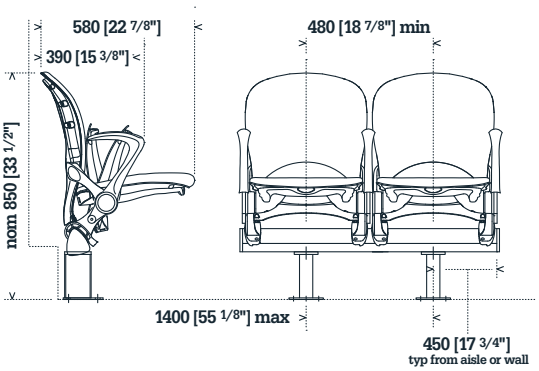
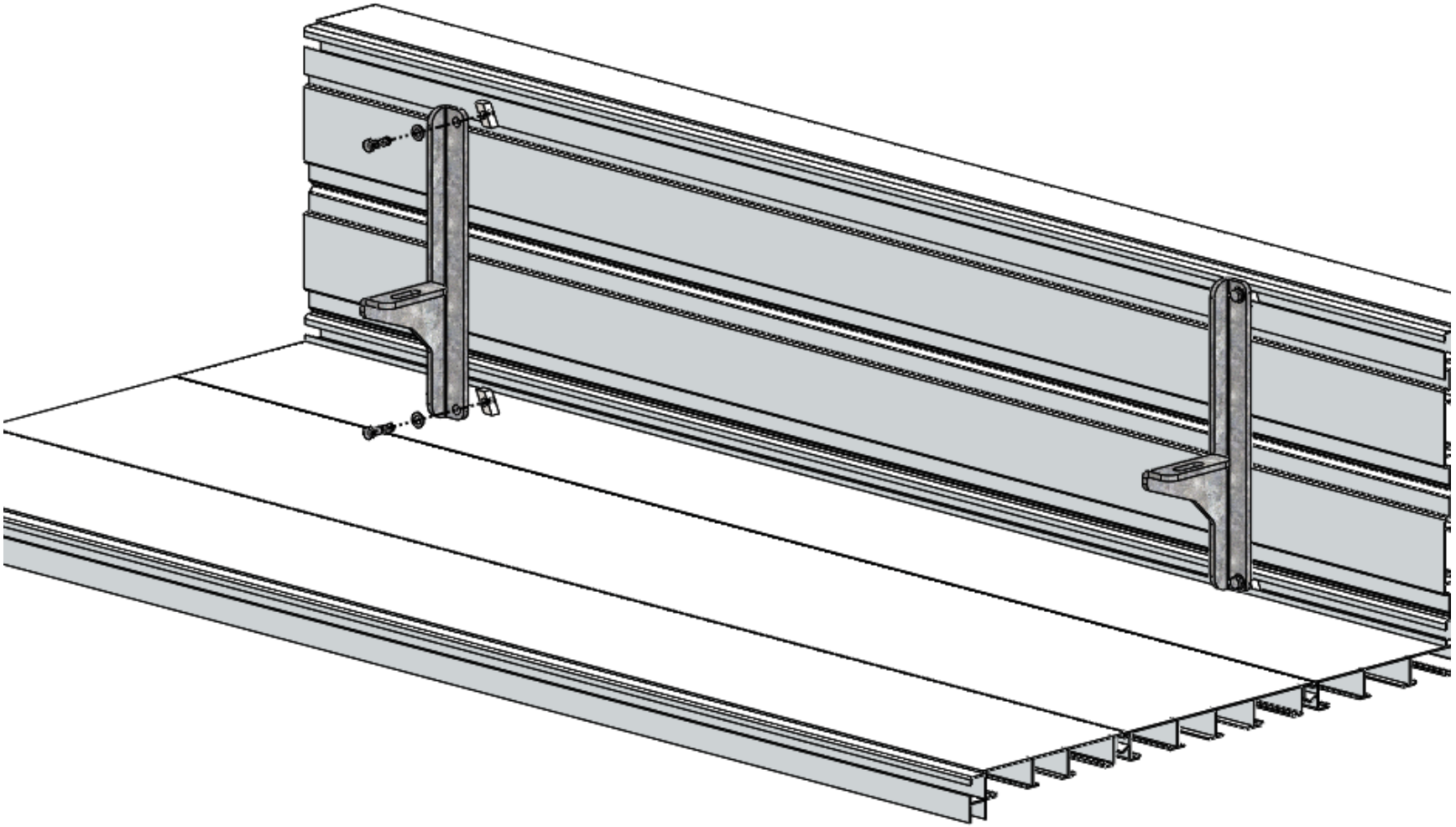
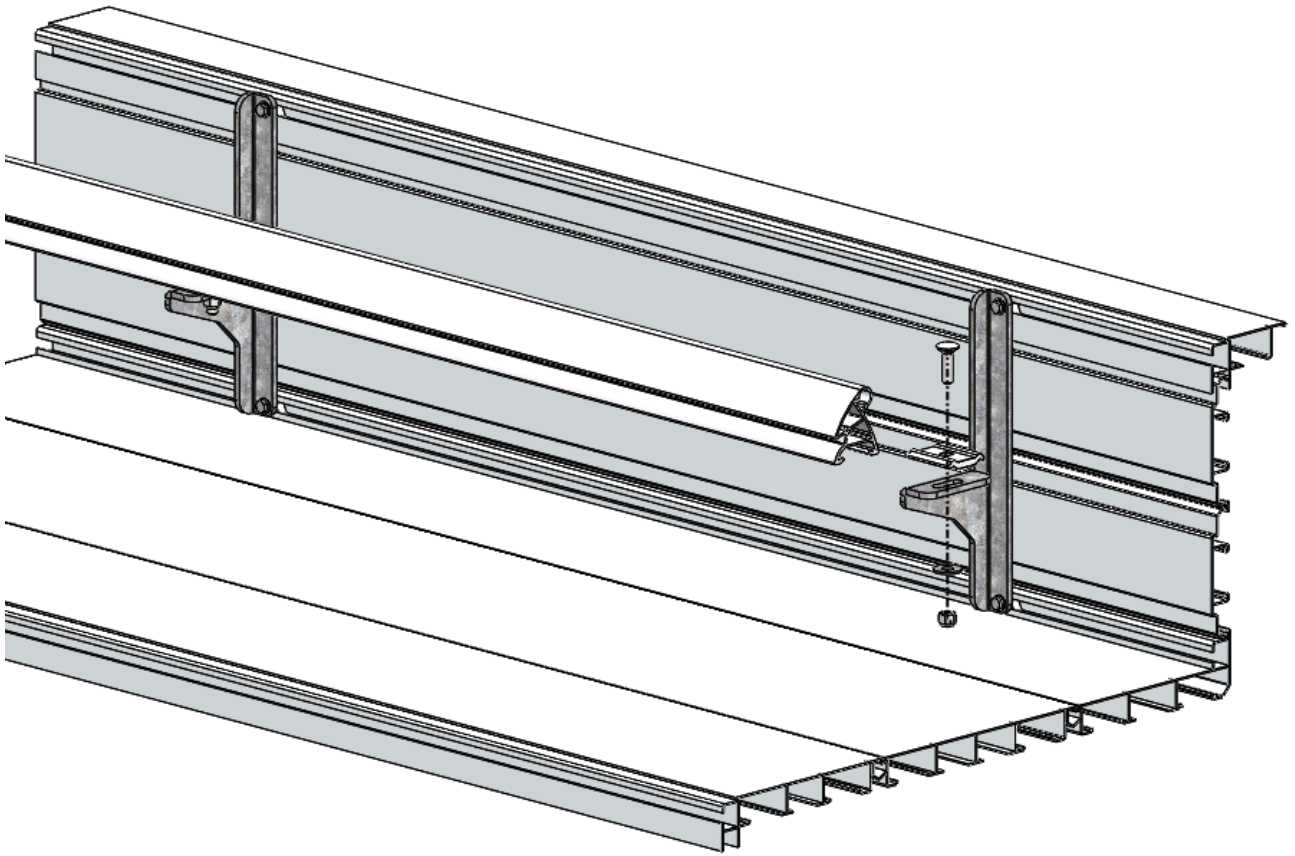


QUANTUM BLEACHER SEATING

1. BEAM BRACKET INSTALLATION



2. BEAM INSTALLATION



3. CHAIR AND ARM INSTALLATION

The Quantum Seating System

October 28, 2014

Quantum Feature	Client Benefit
Increased Seating capacity	- Up to 3% extra seats. - Ability to reconfigure seats for special events & the changing needs of the venue.
Infinite mounting location of the chair along the beam.	- Uniform seat spacing along the row. - Chair spacing easily adjusted to accommodate accessories such as writing tablet, interactive arm, table, etc. - Chair spacing easily adjusted to suit site variations.
Infinite location of mounting brackets between 0" & 49" spacing.	- Easily reconfigured to straddle seismic joints, expansion joints, drainage grates & site variations. - Easily straddle old/existing anchors in a re-seat venue. - Totally independent of chair location.
Chair & beam support bracket are totally independent.	- No obstruction to the location of the chair. - No requirement to accurately locate beam support brackets that could interfere with seat locations. - The chair is free to slide unobstructed along the beam. - Facilitates easy reconfiguring of seat centers. - Maximizes seat quantities when reconfiguring the seating. - Minimizes cost to reconfigure seating.
Custom profile extruded aluminum beam supplied in standard lengths.	- Corrosion resistant to last the life of the venue. - High strength with torsional rigidity to prevent seat bounce. - Ability to replace only the seats in high use venues without the need to replace the beam & brackets. - Beams are cut on site to ensure accurate fit between steps & at angle changes. - Cantilever over seismic joints, expansion joints & other obstructions to provide continuous seating.
Universal beam mounting.	- Facilitates easy attachment to any substrate. - Suitable for Tread mount, High riser, Low riser (above 5 ½"), Removable & Retractable platforms.
Bridge an angle change of up 12 degrees.	- Provides continuous run of chairs within the row. - Eliminates requirement for tread (floor) mounting at angle change. - Eliminates the requirement for an additional standard at an angle change. - Increases potential for additional seat quantity in regular layout. - Facilitates additional seating quantities when reconfiguring. - Allows wider & evenly spaced seat centers along the row.

Camatic Seating, Inc 1010 West Euless Blvd suite 110 Euless, TX 76040
Telephone: 214.507.5232 Facsimile: 817.633.2190

The Quantum Seating System

October 28, 2014

Quantum Feature	Client Benefit
Modular chair by design. One sized chair.	- Provides ability to progressively upgrade the chair as revenue permits by adding arms, arm spacers, upholstery pads, cup-holders, easy access arms, etc. - Identical seats at all locations. - Reduced attic stock.
Quick lock toggle system	- Fail safe attachment to beam (Chair is securely supported & safe to use even if the quick lock toggle is not engaged) - Fast installation. - Secure the chair at any location along beam. - Change over chairs in less than 40 seconds.
Engineering grade polymer side supports & pivot mechanisms	- Corrosion free. - Maintenance free. - High strength & durability. - Inherent flexibility to aid comfort of the chair.
Fully enclosed pivot mechanism	- No finger entrapments - Totally maintenance free for the life cycle of the product.
3/4 push back on seat	- Ensures easier access/egress from rows.
Gravity tilt seat	- Consistent seat alignment of tilt position over product life. - Totally maintenance free (no spring). - Silent operation
Polypropylene seat & back -narrow envelope -smooth surface	- Ergonomic contour provides enduring comfort. - Inherent flexibility to aid comfort. - Easier access, longer row lengths. - Easy cleaning.
Gas injection technology to core out seat & back channels	- Added strength and durability.
Sleek & slim line back profile	- Increased knee room.
Snap on seat numbers	- High visibility. - Vandal proof.
3 Back heights – 31”, 33” & 36” (770 mm, 850 mm, 960mm)	- Consistency of design. - Differentiation of areas.
Detachable seat & back Upholstery pads with key lock system.	- Quick change over, easily replaced with single fixing. - May be retro-fitted. - Minimizes attic stock.
Contoured molded foam to seat pad.	- Long term durability & comfort.

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The Quantum Seating System

October 28, 2014

Quantum Feature	Client Benefit
Weatherproof foam	- Suitable for outdoor applications.
Purpose designed cup-holders.	- Back mount, arm mount & wall mount options available to complement the aesthetics of the chair.
Modular arm system: - Standard. - End of row panel arm. - Easy access folding.	- Adjustable to suit seat spacing. - Modular connection of arm to side support facilitates centering the arms between the chair backs at larger seat centers (no double arms required up to 22 ½" centers) - Facilitates easy reconfiguring. - May be retro-fitted. - Removable to facilitate beam mounting of accessories such as writing tablets.
Writing tablets	- Beam mounted for easy configuring between chairs.
Reconfigurable for special events &/or changing venue needs.	o Seating may be reconfigured for special events by adjusting seat centers along the beam to increase or decrease seating capacity. - Key requirements to maximize reconfigured quantities include: • Chair & beam support must be independent allowing the chair to slide along the beam unimpeded. • Reconfiguring is maximized using a modular arm attachment to the chair – particularly important at wider centers. (Double arms & fixed arms integral to side-support significantly inhibit reconfiguring. • Modular mounting of the arm to the side of the chair minimizes cost of reconfiguring. Direct mounting of the arm to the beam is not desired. o Chair may be reconfigured to meet the changing needs of the venue – increase or decrease the club seat quantities.

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CAMATIC

Quantum Seating System Specifications

QUANTUM 770 / 850 SEATING SPECIFICATIONS

1. THE SYSTEM:

- Two piece shell with concealed hinges
- Gravity tilt mechanism.
- Tilt Seat mechanisms are safe guarded with no finger or clothing entrapments
- Chairs mounted to continuous beam at fully adjustable, uniform seat centres.
- All seats are independently mounted with no connection to adjoining chair
- Beam mount brackets totally independent of seat mount
- Floor (tread) or riser mount, beam support brackets available
- Suitable for infinite centre positions from a minimum of 470 mm
- Upholstery , arms and cupholders may be retrofitted.
- Optional back heights 770mm 850 mm.
- Approximate seat weight 5.6 kg

2. CONFIGURATION / DIMENSIONS

Seat Dimensions:

Seat dimensions meet the following requirements.

Seat Centres - without arm	- 470mm	[18.5"] (Minimum)
Seat Centres - with arm	- 480mm	[19"] (Minimum)
Seat Width	- 420mm	[16.5"] (Minimum)
Overall Dimension (Seat Up -770 back)	- 325mm	[12.75"] (Maximum)
Overall Dimension (Seat Up – 850 back)	- 345mm	[13.5"] (Maximum)
Overall Dimensions (Seat Down 770 back)	- 530 mm	[21"] (Maximum)
Overall Dimension (Seat Down 850 back)	- 560 mm	[22"] (Maximum)
Back Height (above floor) -	- 770mm/850 mm	[30"/33.5"] (Minimum)
Seat Height	- 450mm	[17.5"]

3. MATERIALS

Mounting Beam:

Extruded, hollow section aluminium beam of alloy 6351 T6, clear anodised to 20µm.

Beam shall provide continuously variable location of mounting brackets to allow co-ordination of mountings with precast reinforcement and building fixtures. Seating to attach to beam independently of brackets, allowing infinitely adjustable, even seat spacing and accurate
Aisle alignment.

Plastic Components:

Plastic seat and back components

Are injection moulded co-polymer polypropylene. Plastic formulation is fully compounded with ultra-violet inhibitors prior to the manufacturing process. UV inhibitors are added at a rate to ensure no significant colour or plastic deterioration for a period of 5 years.
When specified or required FR additives are also compounded into the plastic formulations.

Hinge Mechanism:

The Hinge / pivot mechanism is injection moulded glass reinforced polyamide black in colour and contains ultra violet inhibitors.

Hinge / pivot mechanism return seat to a 3/4 position automatically through a gravity tilt counter-weight system, requiring no adjustment or lubrication for the life of the installation. Counter weight are fully enclosed in rear of seat component. No spring return systems are used. Hinge mechanisms perform to the requirements of ASTM F851-83 (remain operational after 100,000 cycles of operation).

Standards: (Side Supports)

The standards/ supports are injection moulded glass reinforced polyamide, black in colour and contain ultra violet inhibitors.

Standards provide tamper resistant quick action attachment to the beam, allowing reconfiguration of seating without disturbance of anchors, substrate or building finishes.
Connection of supports to backrest is via two vandal proof corrosion resistant screws

The supports provide connection for armrests that may be installed on delivery or at a later date (for armrest details refer to Accessories)

Backrest Component:

The 770 mm backrest has a minimum height of 335mm [13"] above the seat component. The 850 mm backrest has a minimum height of 400mm [15.5"] above the seat component. The backrest extends below the seating surface to provide foot protection. The upper face (sitting surface) is free of fasteners and textured to minimise slipping, and capable of accepting upholstery pad on delivery or at a later date. Rear face is free of dirt or water traps, smooth, with minimal texture.

Seat Component:

The seat depth as measured from the's' point of the backrest is a minimum of 420mm [16.5"]. Seat upper face (sitting surface) is free of fasteners and textured to minimise slipping, and capable of accepting upholstery pad on delivery or at a later date. Lower face is free of dirt traps, smooth and with minimal texture. The leading edge of the seat includes an angled recessed location for seat number.

4. FIXINGS

Concrete Riser Mounting:

Quantum is suitable for mounting to risers with minimum riser height 175mm [7"] and maximum height 600 mm [23.5"] Note: Clients remain responsible for ensuring the provisions of adequate fall barriers for each row behind Quantum Seating (applies particularly in high riser situations).

Anchors are to be installed to Camatic specification, and meet the seat design loads. Std fixings are, 2 or 3 x M10 Mechanically galvanised studs (configuration depends on riser height), chemically set, to a minimum 65mm embedment, with mechanically galvanised nut and washer.

Concrete Tread Mounting:

Anchors are to be installed to the Camatic specification, and meet the seat design loads. Std fixings are 3 x M10 HKD Mechanically Galvanised with High Tensile Hex Bolts.

Removable Mounting Brackets (Tread Mounting Only):

Mounting brackets can be supplied to convert fixed stadium chair design to two (2) and three (3) seat removable units. These units are fixed with two (2) x M10 anchors with hand-wheels, that require no tools to remove and remain attached to bracket when not in use.

5. QUANTUM ACCESSORIES

Arm Rests

Injection moulded glass reinforced polyamide armrests attach directly to the chair at the point provided on the standard. Armrests are closed hollow section and free of external ribbing, with smooth top and front surfaces to prevent entanglement in clothing. Polyamide is black and contains ultra violet inhibitors.

All seating units are capable of accepting armrests on delivery or at a later date.

Cup-holders:

Rear-mount Cup-holders are designed specifically for attachment to the chair; the plastic is injection moulded co-polymer polypropylene and is compounded with ultra-violet inhibitors for outdoor applications prior to the manufacturing process. Colour to match that of the seat and backrest.

Arm mount cup-holders are designed specially for attachment to the Quantum arm. These cup-holders are generally used in the front rows and companion chairs. The cup-holder is of injection moulded Polyamide, black to match the arms and contains ultra violet inhibitors.

Seat Pad:

Seat pad is fixed at no less than five (5) positions, one (1) in each corner and an additional centre front fixing point. The pad is constructed of injection moulded polypropylene inner (typical wall thickness 3.5mm) with a 25mm [1"] moulded polyurethane foam cushion.

Cover is typically upholstered in an easy clean UV stabilised marine grade vinyl suitable for indoor and outdoor applications .Fabrics to client's requirements may be specified for indoor applications. In harsh outdoor applications, the moulded urethane foam cushion can be replaced with a 25mm [1"] closed cell foam cushion to prevent absorption of moisture.

Backrest Pad:

Back pad is fixed at no less than five (5) positions, one (1) in each corner and an additional centre front fixing point. Pad is constructed of injection moulded polypropylene inner (typical wall thickness 3.5mm) with a 12 mm [1/2"] polyurethane foam covering. Cover is typically upholstered in an easy clean UV Stabilised marine grade vinyl suitable for indoor and outdoor applications. Fabric to client's requirements may be specified for indoor applications.
In harsh outdoor applications the moulded urethane foam cushion can be replaced with a 12mm [1/2"] closed cell foam cushion to prevent absorption of moisture.

960 mm High Back Extension

An extra high back extension is available (only with upholstery pad).

Seat Numbers

Seat Numbers snap into front edge of seat and angle upward, with an option to have further mechanical fixing if required

Row Identification

Row Number plate is black with white numbering and provides for up to 3 digits 12 mm {1/2"} in height

Tablet Arms

Details on request

6. PERFORMANCE / STANDARDS / REFERENCES

General:

The completed Quantum chair installation will provide the following minimum performance requirements.

Anchor Bolts:	All concrete fixings are non-corrosive material.
Fasteners:	All fasteners Non corrosive.
Metal Finishes:	All finishes are suitable for outdoor exposure / marine environments.
Plastic Components:	Exterior grade plastics. UV Stable
Seat Pivot:	Seat will raise without assistance, by gravity system. Spring systems not used
FIFA	The Quantum complies with the FIFA recommendations for stadium seating.

Manufacture:

The following manufacturing standards are adhered to:

AS 1442-1992	Carbon steels and carbon-manganese steels - Hot-rolled bars and semi-finished products
AS 1517-1991	Tinplate and blackplate
AS 1365-1996	Tolerances for flat-rolled steel products
AS 1450-1983	Steel tubes for mechanical purposes
AS 1163-1991	Structural steel hollow sections
AS 1554-2000	Structural steel welding

AS 3834-1999 materials	Quality requirements for welding - Fusion welding of metallic
AS 1866-1997 and hollow shapes	Aluminium and aluminium alloys - Extruded rod, bar, solid
AS 1231-2000	Aluminium and aluminium alloys - Anodic oxidation coatings
AS 4506-1998	Metal finishing - Thermoset powder coatings
AS 4680-1999 articles	Hot-dip galvanized (zinc) coatings on fabricated ferrous
ISO 3834-1:1994 materials	Quality requirements for welding - Fusion welding of metallic

Durability Testing:

The Quantum range of stadium seating complies to the following.

EN 12727	"Furniture - Ranked Seating - Test methods and requirements strength and durability".
BS 4875: 1985	"Furniture Performance Testing" - Rating 5

Method 1 - En 12727 "The chair is tested and complies to En 12727 Level 4"

Seat Static Load (front edge of seat)	- 200 Kg [440 lbs.]
Back Static Load (forward)	- 75 Kg [165 lbs.]
Seat Cyclic Load (SLP)	- 95 Kg [210 lbs.] applied 300,000 times
Back Cyclic Load (BLP)	- 33 Kg [75 lbs.] applied 300,000 times
Arm Static Load (Vertical)	- 100 Kg [220 lbs.]
Arm Static Load (Horizontal)	- 90 Kg [200 lbs.]

This test incorporates and exceeds AS 4438 - Level 6 and BS 4875 – Level 4

These Following tests are done internally.
Method 2 - Tested and Complies to Drop Impact Test [Sand Bag to Seat @ SLP]

Load 40 lbs. Height	6" - 25,000 Cycles
Load 40 lbs. Height	8" - 25,000 Cycles
Load 40 lbs. Height	10" - 25,000 Cycles
Load 40 lbs. Height	12" - 25,000 Cycles
Total Number Loads	100,000 Cycles

Method 3 - Tested and complies with Oscillating Impact Test [Sand Bags to Back@ BLP)]

Load 2 x 40 lbs. Distance	6" - 15,000 Cycles
Load 2 x 40 lbs. Distance	8" - 15,000 Cycles
Load 2 x 40 lbs. Distance	10" - 15,000 Cycles
Load 2 x 40 lbs. Distance	10" - 15,000 Cycles
Total Number Loads	60,000 Cycles

Method 4 - Standard Test Method for Self Rising Seat Mechanisms ASTM 851 - 87

Passed 100,000 Cycles

Plastic Ultra Violet Deterioration

Quantum seat and backrest exceed the following test requirements:

Accelerated weatherometer test: Exposure 2000+ hours, black panel temperature 89+/- 3 Degrees C.

No micro-cracks are present after exposure period.

Flammability:

The Quantum chair and / or materials used in its manufacture comply with the standards listed below:

BS 5852 Source 0	Furniture Assessment of the ignitability of upholstered furniture Part 1 – Smouldering cigarette
BS 5852 Source 1	Furniture Assessment of the ignitability of upholstered furniture Part1 – Ignition source, match flame equivalent
EN 1021-1: 1998	Equivalent to BS 5852 Source 0
EN 1021-2: 1998	Equivalent to BS 5852 Source 1
ISO 8191-1: 1998	Equivalent to BS 5852 Source 0
ISO 8191-2: 1998	Equivalent to BS 5852 Source 1
FMVSS No.302	Federal Motor Vehicle Safety Standard No. 302
CA 117: 2000	Requirements, Test Procedure and Apparatus for Testing the Flame Retardance of Resilient Filling Materials Used in Upholstered Furniture'. State of California, USA

On request, the Quantum chair can be manufactured to comply with the following standards:

AS 1530.3:1989	"Methods for fire tests on building materials, components and structures". Part 3 Simultaneous determination of ignitability, flame propagation, heat release and smoke release.
BS 5852 Source 2	Furniture Assessment of the ignitability of upholstered furniture Part 2 – Ignition source, butane flame equivalent
BS 5852 Source 5	Furniture Assessment of the ignitability of upholstered furniture Part 5 – Smouldering cigarette
CA 133: 2000	Requirements, Test Procedure and Apparatus for Testing the Flame Retardance of Resilient Filling Materials Used in Upholstered Furniture'. State of California, USA

Note:

1. When a client specifies an upholstery fabric, flammability compliance is subject to re-verification.

2. Testing to other standards can be performed on request.

Quality:

Camatic seating holds the following quality certifications

ISO 9001-2000	Quality Management System.
ISO14001	Environmental Management System.

7. INSTALLATION

Mounting Brackets and Beam

1. Bracket (centre-line) to be inset 300mm [12”] from aisle to aid cleaning and subsequently at a maximum spacing of 930mm [36.5”] for tread mount and 1250mm for riser mount.
2. Riser mount brackets to be set out to provide uniform height across each row.
3. Brackets to be attached with a minimum of 2 x M10 anchors in accordance with manufacturer’s instruction.
4. Anchor type to be determined in accordance with service environment and strength & configuration of reinforced concrete substrate.
5. Brackets to be located so as to avoid conflict with expansion joints and hence eliminate the use of carrier plates
6. Mounting beam to be trimmed on site to suit row lengths and installed in continuous straight lengths. Visible beam ends to be capped

Chairs

1. To be delivered fully assembled in manufacturers packaging and able to be placed directly on beam.
2. Seating positions to be adjusted to ensure accurate aisle alignment and maximum even spacing in each row
3. Maintain spacing at mid row angle changes up to 10 degrees by positioning seating across the angle as required

Cleaning

General: Removal of bags and final clean by others.

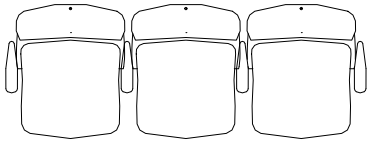
8. WARRANTY

General:

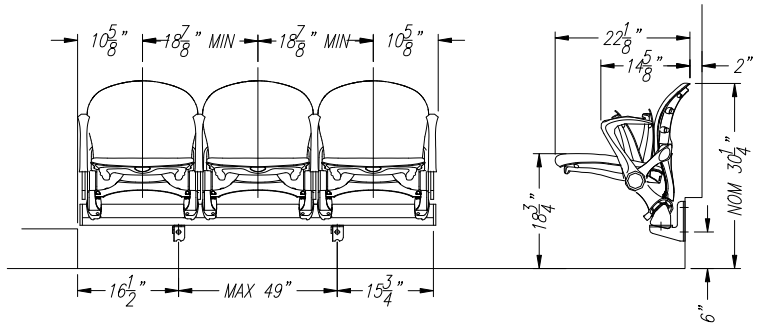
The warranty shall be in addition to and not a limitation of the other rights the Owner may have against the Contractor, installer, or Manufacturer, under the Contract Documents.

Camatic provides a warranty for the replacement of chairs found to be defective in appearance or unusable due to defects in performance, as outlined below

General Warranty Period:	12 Months after date of Substantial Completion.
Special Warranties:	Camatic provide the following special warranties:
Chair Standards -	5-year period, against failure of material, corrosion or excessive colour change.
Hinge mechanism -	5-year period, against failure of hinge to provide for automatic rising.
Plastic components -	5-year period, against cracking, crazing or excessive colour deterioration.



QUANTUM 770 WITH ARM - RISER MOUNT



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REVISIONS	No	DATE & INITIALS	DESCRIPTION
	A	24.01.2017 HK	PROVISIONAL ISSUE

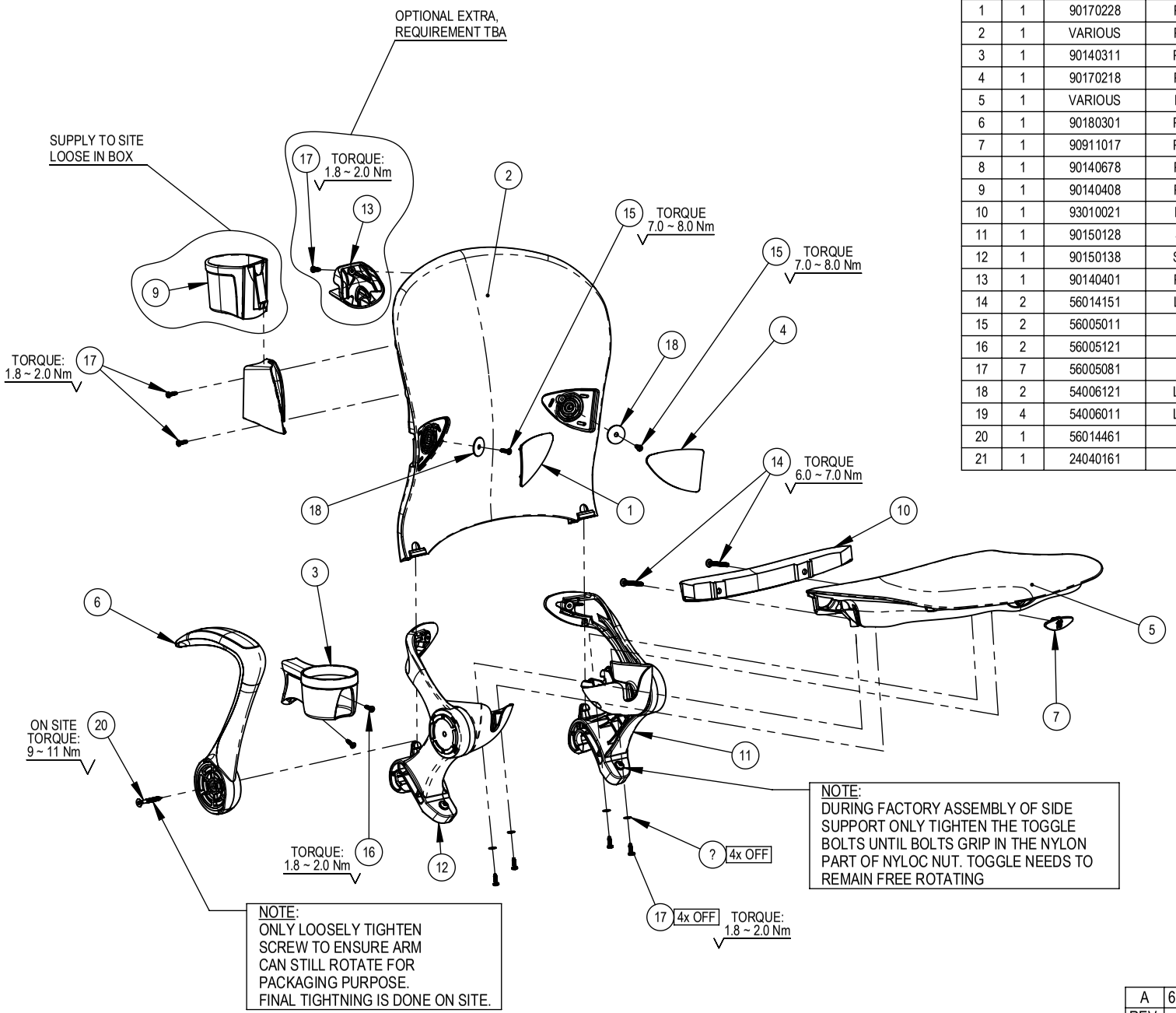
TITLE **QUANTUM 770 ARM TREAD MOUNT**

PROJECT

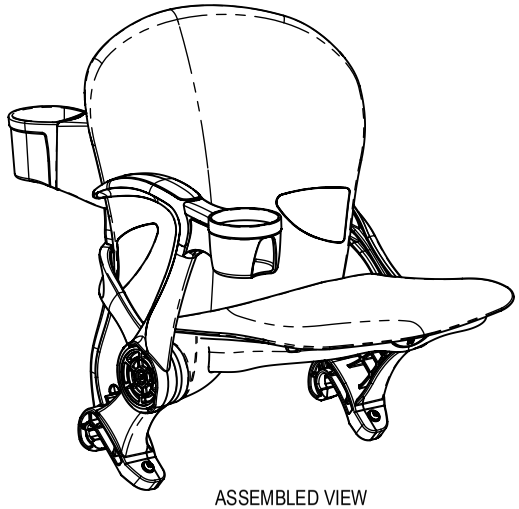
JOB NUMBER: -

DRAWING No.

SK - 4139 A



ITEM NO.	QTY	COMP CODE	DRAWING NO	DESCRIPTION
1	1	90170228	P.PLS.BACK.0018.00	QUANTUM LUMBAR CAP RH
2	1	VARIOUS	P.PLS.BACK.0003.00	QUANTUM LOW BACK (770)
3	1	90140311	P.PLS.CUPH.0008.00	CUP HOLDER QUANTUM ARM, ONE PIECE
4	1	90170218	P.PLS.BACK.0017.00	LUMBAR CAP LH
5	1	VARIOUS	P.PLS.SEAT.0001.00	QUANTUM MOULDED SEAT
6	1	90180301	P.PLS.ARMS.0007.00	ARM MK2 (480)
7	1	90911017	P.PLS.COVR.0023.00	QUANTUM SEAT NUMBER
8	1	90140678	P.PLS.CUPH.0004.00	C/H BRACKET RH - QTM 780
9	1	90140408	P.PLS.CUPH.0005.00	GLOBAL CUP HOLDER, ALPHA/FORTE /QTM
10	1	93010021	P.STL.CAST.0001.00	STANDARD COUNTERWEIGHT UNUPHOLSTERED SEAT
11	1	90150128	S.SPT.LEFT.0002.00	SIDE SUPPORT SUB ASSY STD LH MK2
12	1	90150138	S.SPT.RGHT.0002.00	SIDE SUPPORT SUB ASSY STD RH MK2
13	1	90140401	P.PLS.CLMP.0010.00	PURSE HOOK MK3
14	2	56014151	L.FST.PAXW.1400.00	SELF TAP SCREW, 14# x 2", PAN HEAD XR, SS304
15	2	56005011	L.FST.PATC.1000.01	PLASTITE 60-1, #10 x 20mm, TORX PAN HEAD, MECH GALV
16	2	56005121	L.FST.PATC.1000.02	PLASTITE 60-1, #10 x 22mm, TORX PAN HEAD, MECH GALV
17	7	56005081	L.FST.PATC.1000.00	PLASTITE 60-1, #10 x 16mm, TORX PAN HEAD, MECH GALV
18	2	54006121	L.WSH.PLAN.0006.03	WASHER M6 x 32 x 1.6 - MECH GALV
19	4	54006011	L.WSH.BELV.0006.00	M6 BELVILLE WASHER GAL
20	1	56014461	L.FST.CSS7.1400.00	SCREW 14# TYPE 17 x 50mm BUGLE MG
21	1	24040161	2218-0031	CARTON - RSC - QUANTUM MED BACK



ASSEMBLED VIEW
SCALE 1 : 8

REV.	DATE	INITIALS	DESCRIPTION
A	6 JUL 2017	H.F.	INITIAL RELEASE

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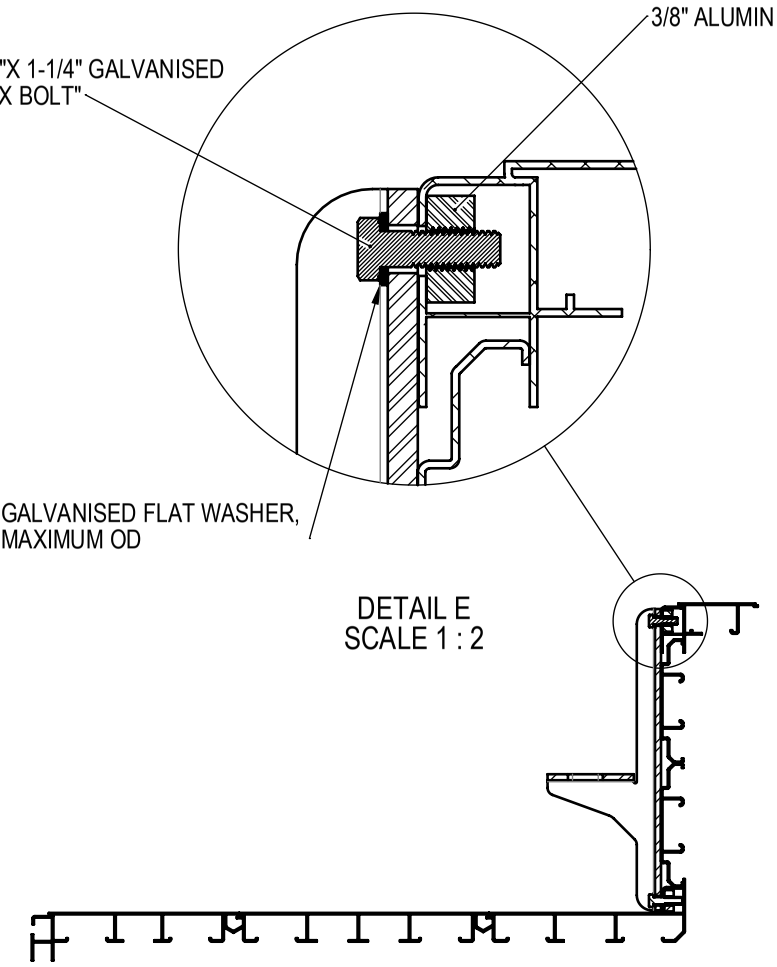
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE AS FOLLOWED
0 Decimal Place = ± 1.0 mm
1 Decimal Place = ± 0.5 mm
2 Decimal Place = ± 0.25 mm
∠ 0 Decimal Place = ± 0.5°
∠ 1 Decimal Place = ± 0.25°

SCALE: 1:10
SHEET: A4

DRAWN BY: H.F.
DRAWN DATE: 5/07/2017
MASS: (g)
FINISH:

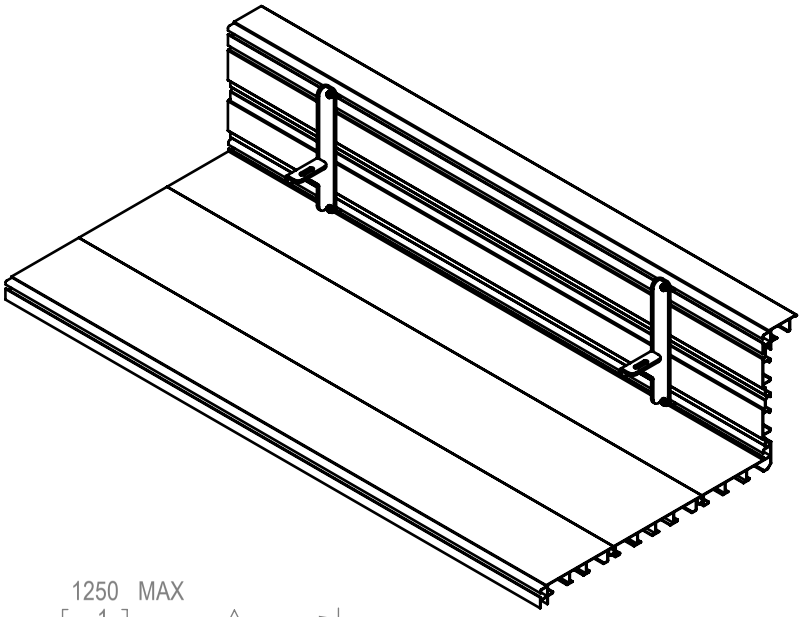
TITLE: INT WITH NO SPACER
QUANTUM 770 BARE GENERIC ASSEMBLY
DRAWING
PROJECT: QUANTUM

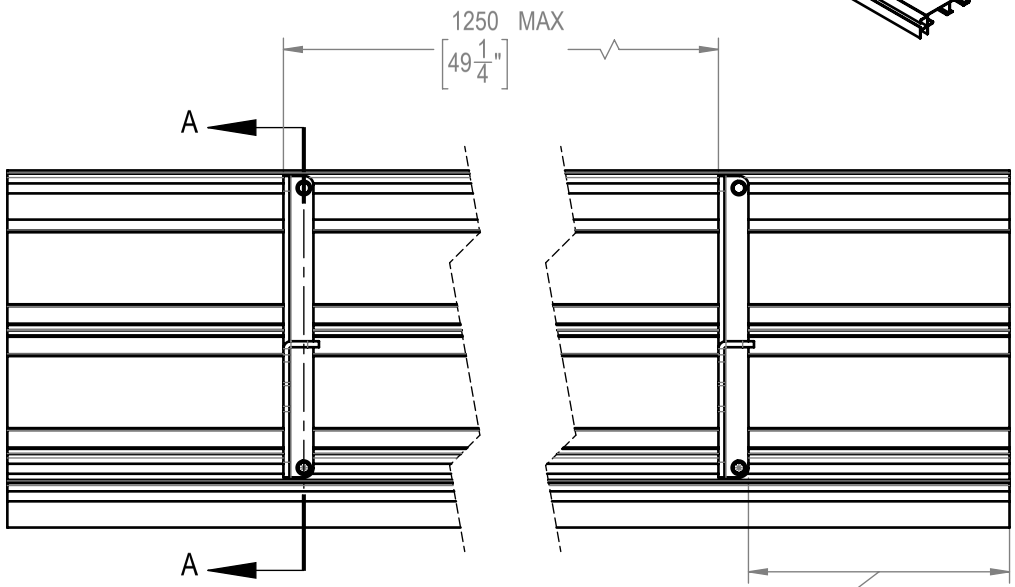
COMP CODE: -
SHEET 1OF1
DRAWING No. A.QTM.TBEM.0004.00
REVISION: A



DETAIL E
SCALE 1 : 2

SECTION A-A





REFER TO LAYOUT DRAWING FOR POSITION OF RISER BRACKET

REV.	DATE	INITIALS	DESCRIPTION
A	15/08/2016	H.F.	INITIAL RELEASE

CAMATIC
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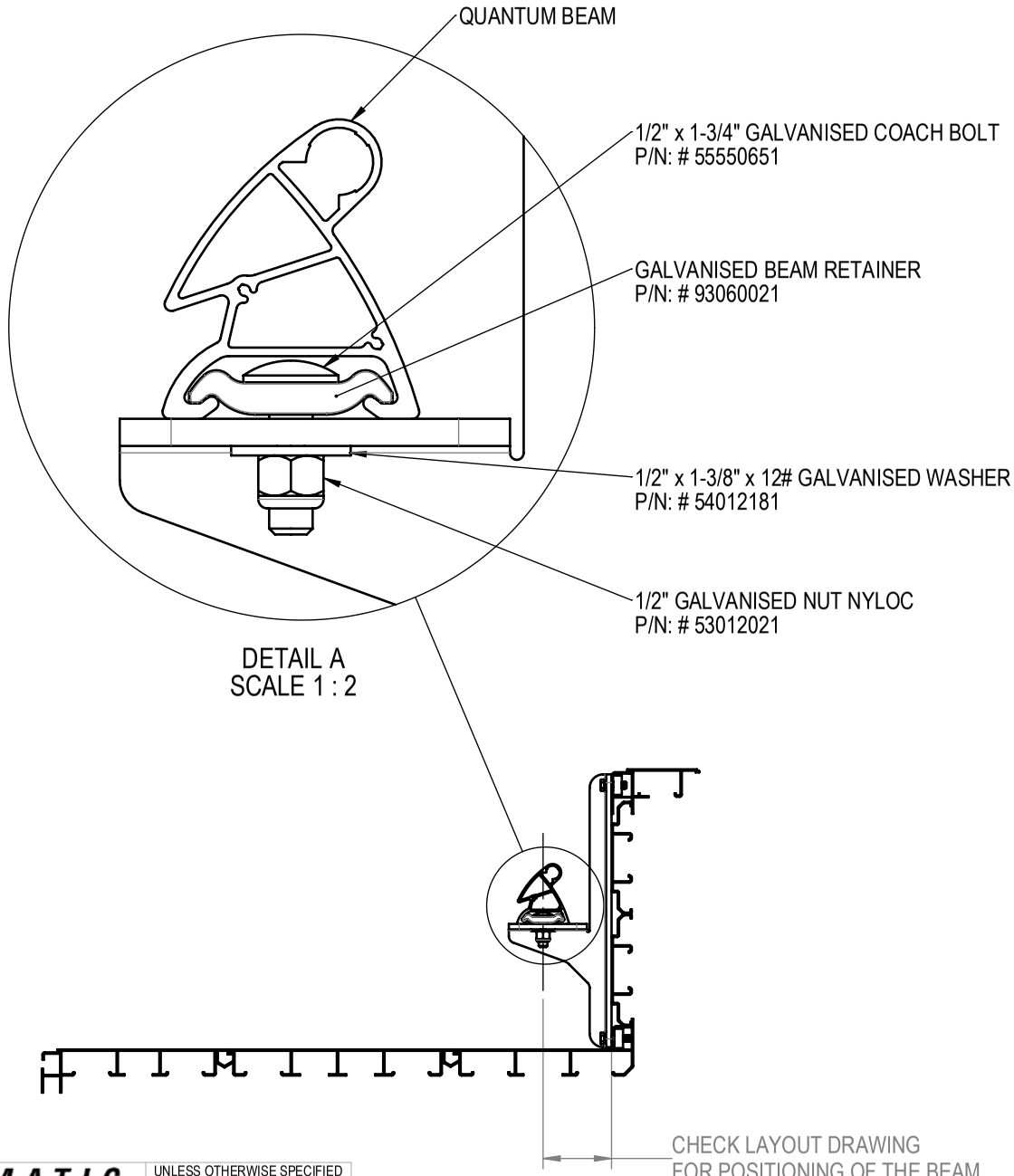
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE AS FOLLOWED
0 Decimal Place = ± 1.0 mm
1 Decimal Place = ± 0.5 mm
2 Decimal Place = ± 0.25 mm
∠ 0 Decimal Place = ± 0.5°
∠ 1 Decimal Place = ± 0.25°

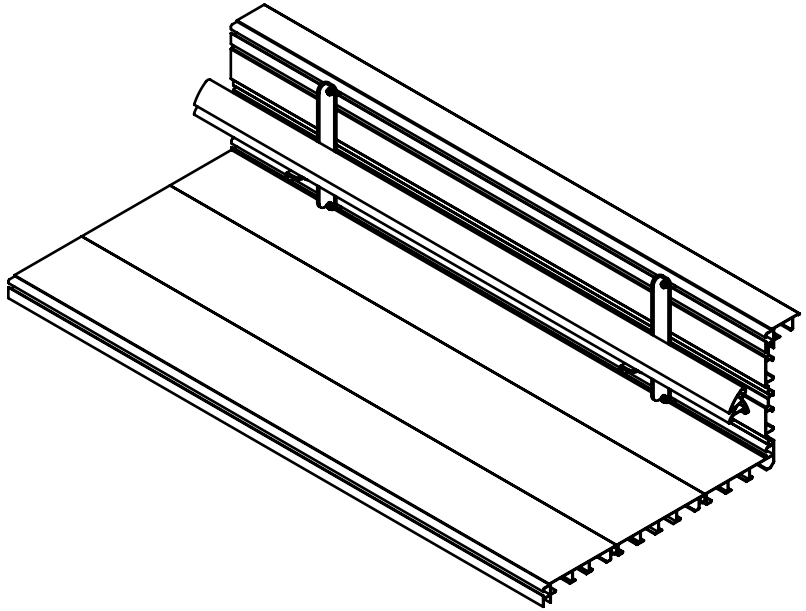
SCALE: 1:10
SHEET: A4

DRAWN BY: H.FAN
DRAWN DATE: 15/08/2016
MASS: (g)
FINISH:

TITLE: QUANTUM BEAM RISER BRACKET INSTALLATION DETAILS
PROJECT:

COMP CODE:
SHEET 1OF1
DRAWING No. SK-3842.00
REVISION: A





REV.	DATE	INITIALS	DESCRIPTION
A	16/08/2016	H.F.	INITIAL RELEASE

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SCALE: 1:10	DRAWN BY: H.FAN	DRAWN DATE: 16/08/2016	MASS: (g)
SHEET: A4	FINISH:		

TITLE: QUANTUM BEAM & BRACKET MOUNTING DETAILS

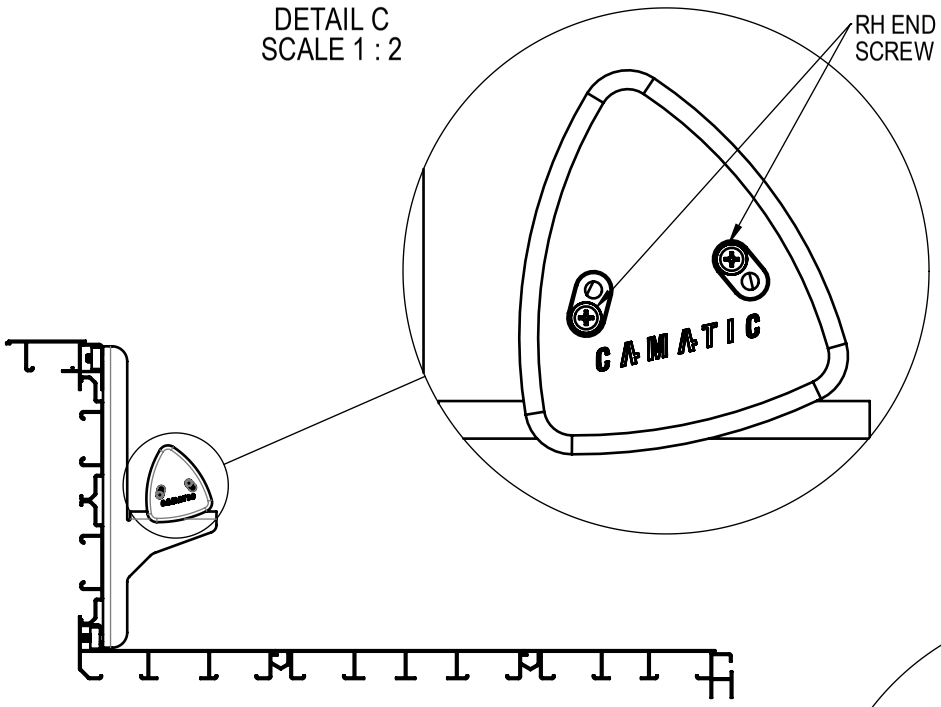
PROJECT:

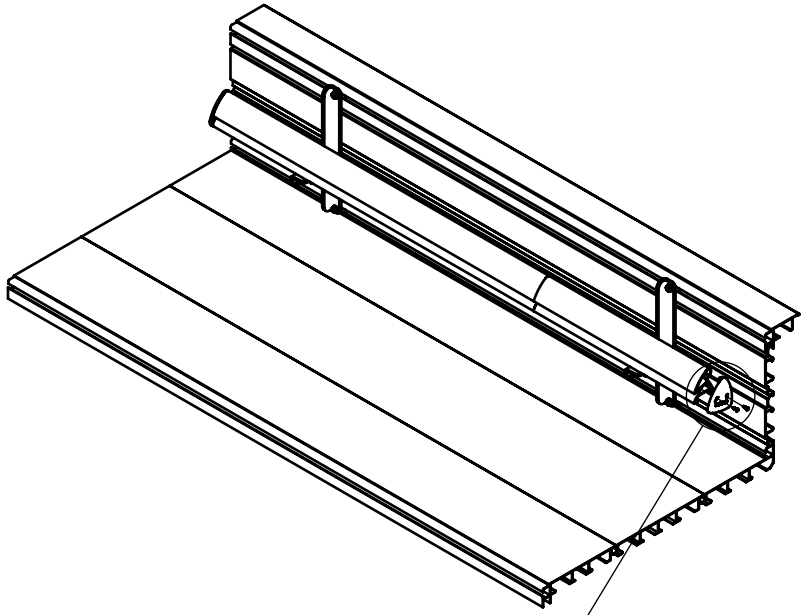
COMP CODE: SHEET 1OF1

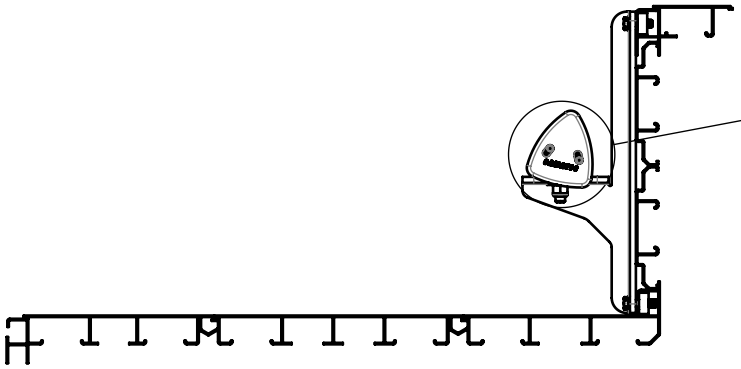
DRAWING No. SK-3843.00

REVISION: A

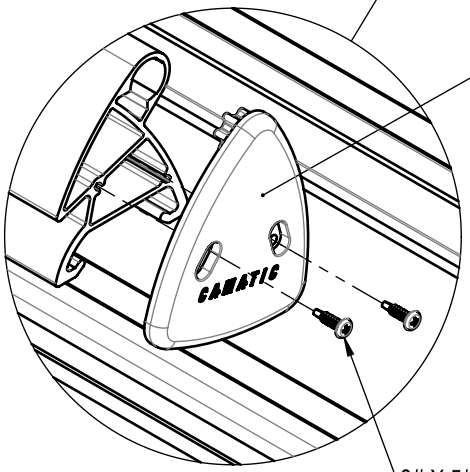
DETAIL C
SCALE 1 : 2







DETAIL B
SCALE 1 : 2



DETAIL A
SCALE 1 : 3

REV.	DATE	INITIALS	DESCRIPTION
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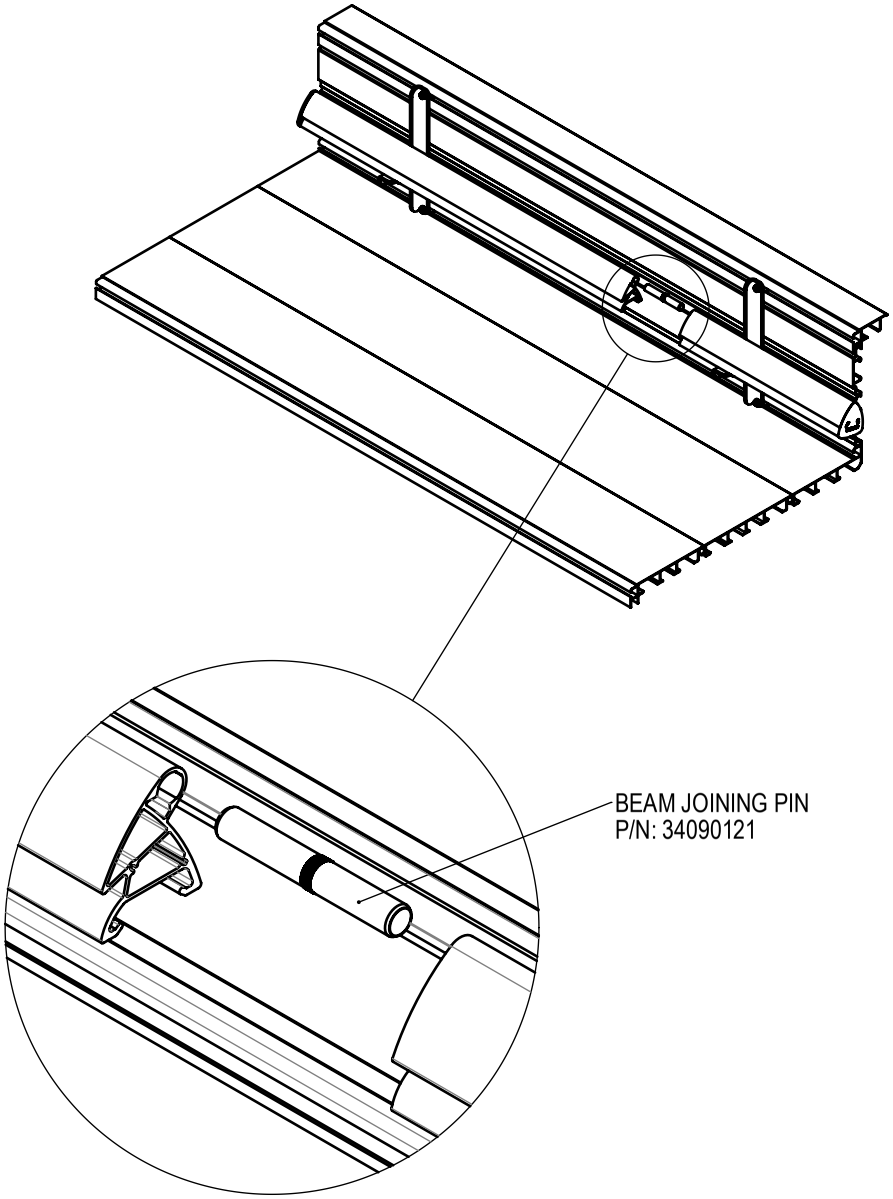
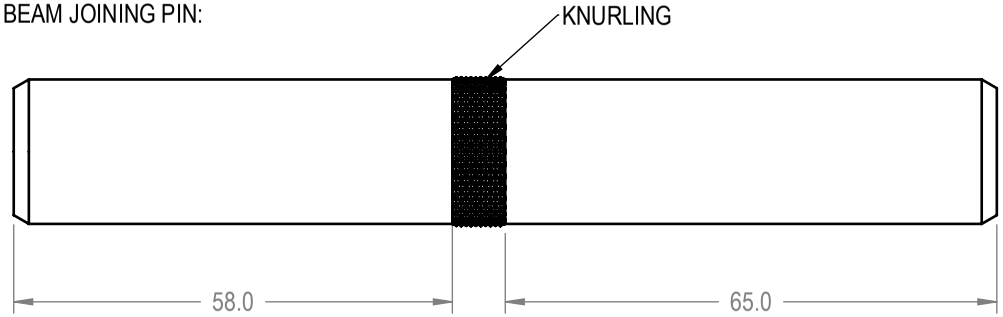
1:10	H.FAN	16/08/2016	(g)
SHEET: A4	FINISH:		

TITLE: QUANTUM BEAM END CAP INSTALLATION DETAILS
PROJECT:
COMP CODE:
SHEET 1OF1
DRAWING No. SK-3844.00
REVISION: A



DETAIL A
SCALE 1 : 4

BEAM JOINING PIN:



SCALE 1:1

BEAM JOINING PROCEDURE:

1. INSER THE 58MM END OF THE JOINING PIN INTO A BEAM TO BE JOINED
2. HAMMER FROM THE 65MM END TILL THE KNURLING DISAPPEARS INTO THE BEAM
3. SLIDE ON THE OTHER BEAM TO BE JOINED

REV.	DATE	INITIALS	DESCRIPTION
A	16/08/2016	H.F.	INITIAL RELEASE

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SCALE: 1:10
SHEET: A4

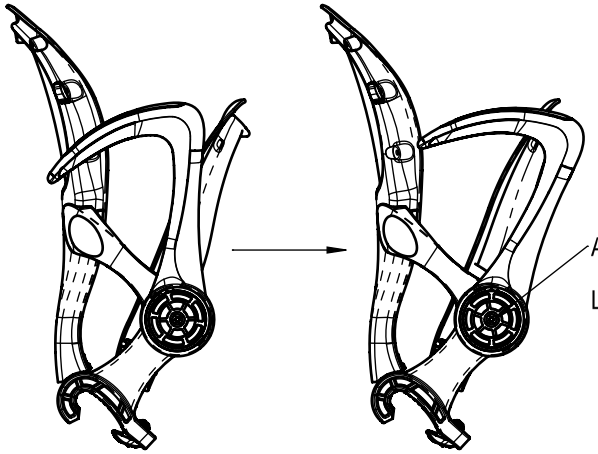
DRAWN BY: H.FAN
DRAWN DATE: 16/08/2016
MASS: (g)
FINISH:

TITLE: QUANTUM BEAM JOINING INSTRUCTIONS
PROJECT:

COMP CODE:
SHEET 1OF1
DRAWING No. SK-3844.01
REVISION: A

INSTALLATION INSTRUCTIONS:

1. CHAIRS ARE PACKAGED WITH A LOOSE ARM, ROTATE ARM FORWARD TO THE POSITION AS SHOWN BELOW, ENSURE THE HUB TEETH ARE ENGAGED BETWEEN ARM AND HUB THEN TIGHTEN THE SCREW IN THE CENTRE OF THE PIVOT HUB.



LOOSE ARM AS SUPPLIED

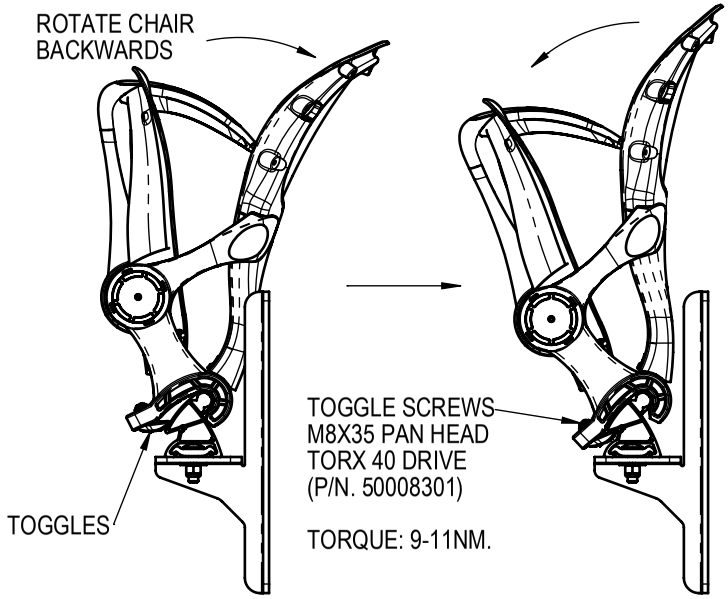
CORRECT ARM POSITION

ARM HUB SCREW

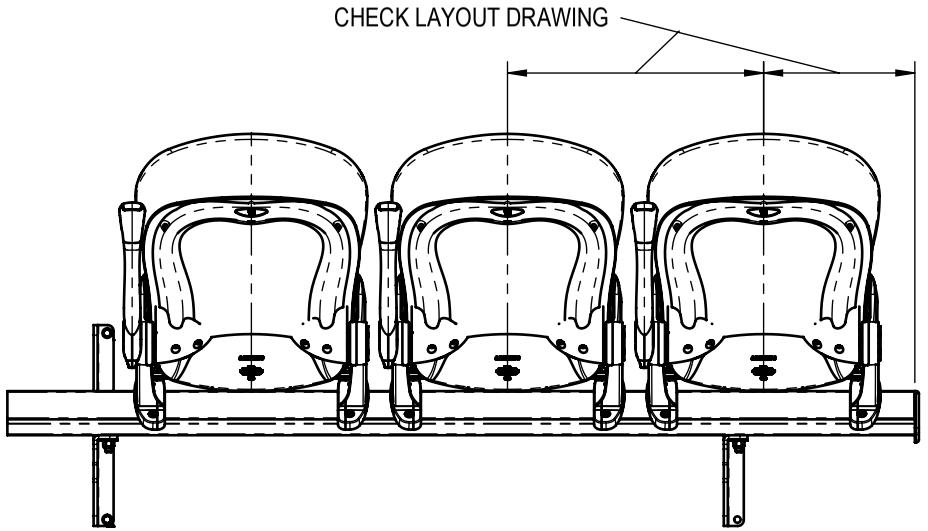
LENGTH OF SCREW TO USE:
- NO SPACER, USE 1-1/2" (P/N. 56014001)
- 1 SPACER, USE 2-1/2" (P/N. 56014451)
- 2 SPACERS, USE 3-1/4" (P/N. 56007021)

TORQUE: 9-11NM.

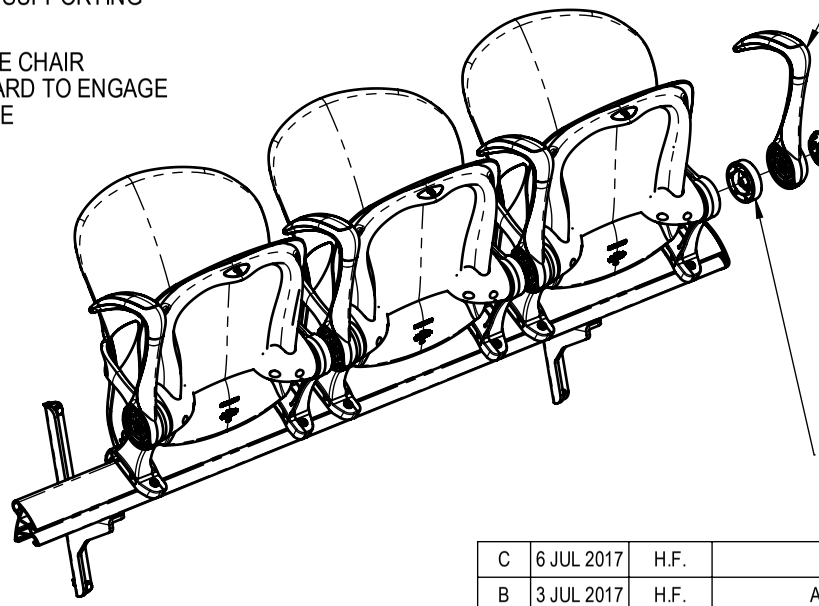
2. MAKE SURE BOTH THE TOGGLES ARE FREE TO ROTATE, LIFT UP THE CHAIR AND HOOK IT ON TO THE QUANTUM BEAM FROM THE BACK, THEN TILT THE CHAIR FORWARD. BOTH TOGGLES NEED TO BE UNDER THE BEAM. THE CHAIR SHOULD NOW BE SELF SUPPORTING ON THE BEAM. DO NOT TIGHTEN THE TOGGLE SCREWS AT THIS STAGE.



3. PLACE THE CHAIRS IN ACCORDANCE TO DIMENSIONS SET OUT IN THE LAYOUT DRAWINGS. TIGHTEN TOGGLE SCREWS WITH 9-11NM TORQUE.



4. INSTALL EOR ARMS



EOR ARM
- NO FILIGREE PANEL (P/N. 90180301)
- WITH FILIGREE PANEL (P/N. 90180291)

ROW ID DISK CARRIER (P/N. 90180261)
- CLEAN WITH CLEANING ALCHOHAL PRIOR TO FITTING THE ADA LABEL

ROW ID (P/N. 93910101)

ARM HUB SCREW

SCREW LENGTH TO USE WITH / WITHOUT ROW ID DISK CARRIER:
- NO SPACER, USE 2" (P/N. 56014461)
- 1 SPACER, USE 2-1/2" (P/N. 56014451)
- 2 SPACERS, USE 3-1/4" (P/N. 56007021)

TORQUE: 9-11NM.

OPTIONAL SPACERS (1 OR 2) (P/N. 90310201)

REV.	DATE	INITIALS	DESCRIPTION
C	6 JUL 2017	H.F.	PART NUMBER CORRECTION
B	3 JUL 2017	H.F.	ARM HUB SCREW, ADA ARM INSTALLATION ADDED

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SHEET: A4	FINISH:		

TITLE: QUANTUM 770 INSTALLATION DETAILS

PROJECT:

COMP CODE:

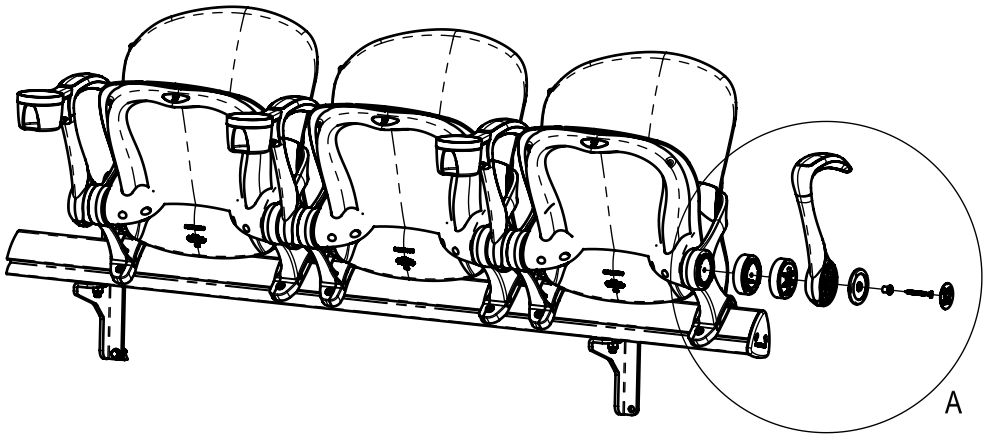
SHEET 1OF2

DRAWING No. SK-3845.00

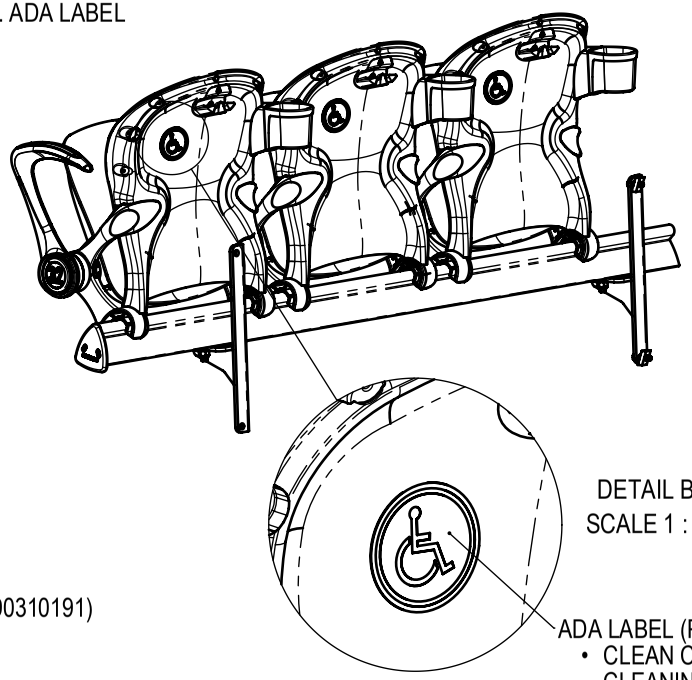
REVISION: C

INSTALLATION INSTRUCTIONS:

5. ADA ARMS

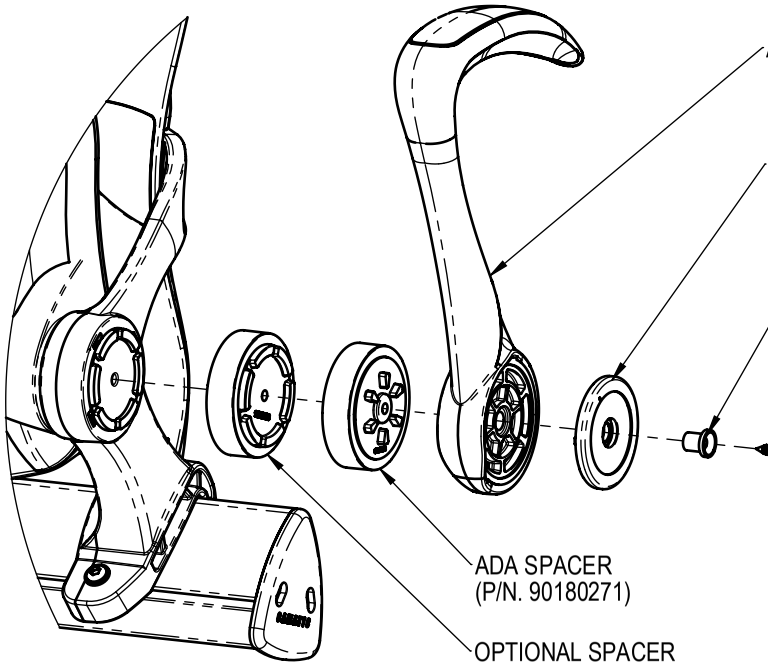


6. ADA LABEL



DETAIL B
SCALE 1 : 4

ADA LABEL (P/N. 29200001)
- CLEAN CHAIR BACK WITH CLEANING ALCHOHAL PRIOR TO FITTING THE ADA LABEL



ADA ARM
- WITHOUT FILIGREE PANEL (P/N. 90310191)
- WITH FILIGREE (P/N. 90180281)

ADA ROW ID DISK CARRIER (P/N. 90180148)
REQUIRED AT EOR POSITIONS
- CLEAN DISK CARRIER WITH CLEANING ALCHOHAL PRIOR TO FITTING THE ROW ID LABEL

ADA BUSH
- INT (P/N. 34110411)
- EOR (P/N. 34110321)

ROW ID LABEL
(P/N. 93910101)

ADA SPACER
(P/N. 90180271)

OPTIONAL SPACER
(P/N. 90310201)

ARM HUB SCREW
SCREW LENGTH TO USE WITH / WITHOUT ROW ID CARRIER:
- 1 SPACER, USE 2-1/2" (P/N. 56014451)
- 2 SPACERS, USE 3-1/4" (P/N. 56007021)

TORQUE: 9-11NM.

DETAIL A
SCALE 1 : 5

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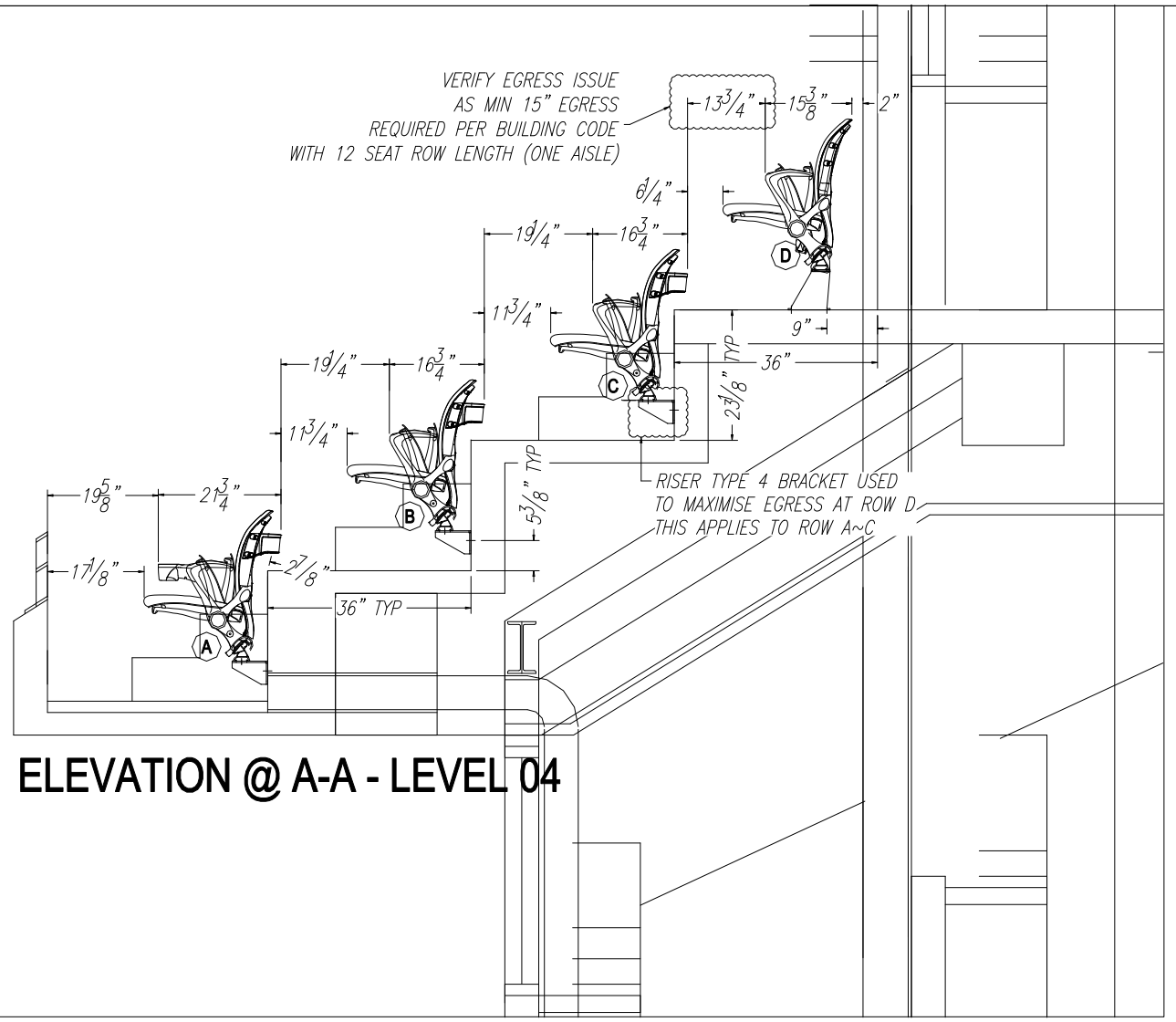
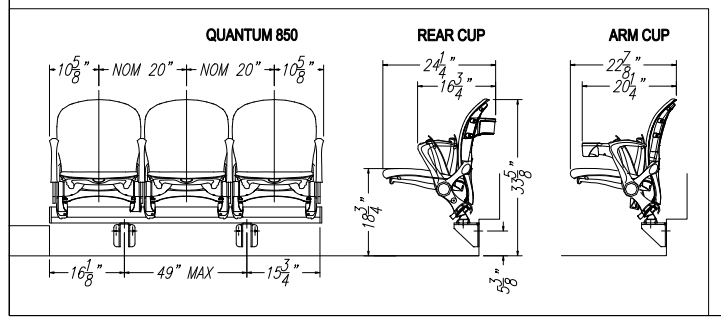
SCALE: 1:10	DRAWN BY: H.FAN	DRAWN DATE: 23/08/2016	MASS: (g)	TITLE: QUANTUM 770 INSTALLATION DETAILS
SHEET: A4	FINISH:			PROJECT:

COMP CODE:	SHEET 2OF2
DRAWING No. SK-3845.00	REVISION: C

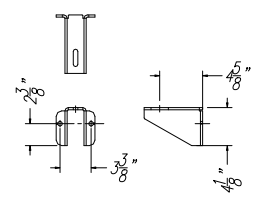
A3 420x297



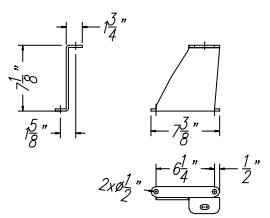
ELEVATION @ A-A - LEVEL 04



RISER TYPE 4
(P/N : # 34250851)



TREAD TYPE 1
(P/N : # 34172171)



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☐ **APPROVED - FOR INSTALLATION & MANUFACTURE**

☐ **RESUBMIT - WITH CORRECTION AS PER MARK-UPS**

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REVISIONS			
	A	30.08.2017 HK	PROVISIONAL ISSUE
	No	DATE & INITIAL	DESCRIPTION
SCALE			

TITLE: **LEVEL 04 - CLUB MEZZANINE**
TYPICAL ELEVATION

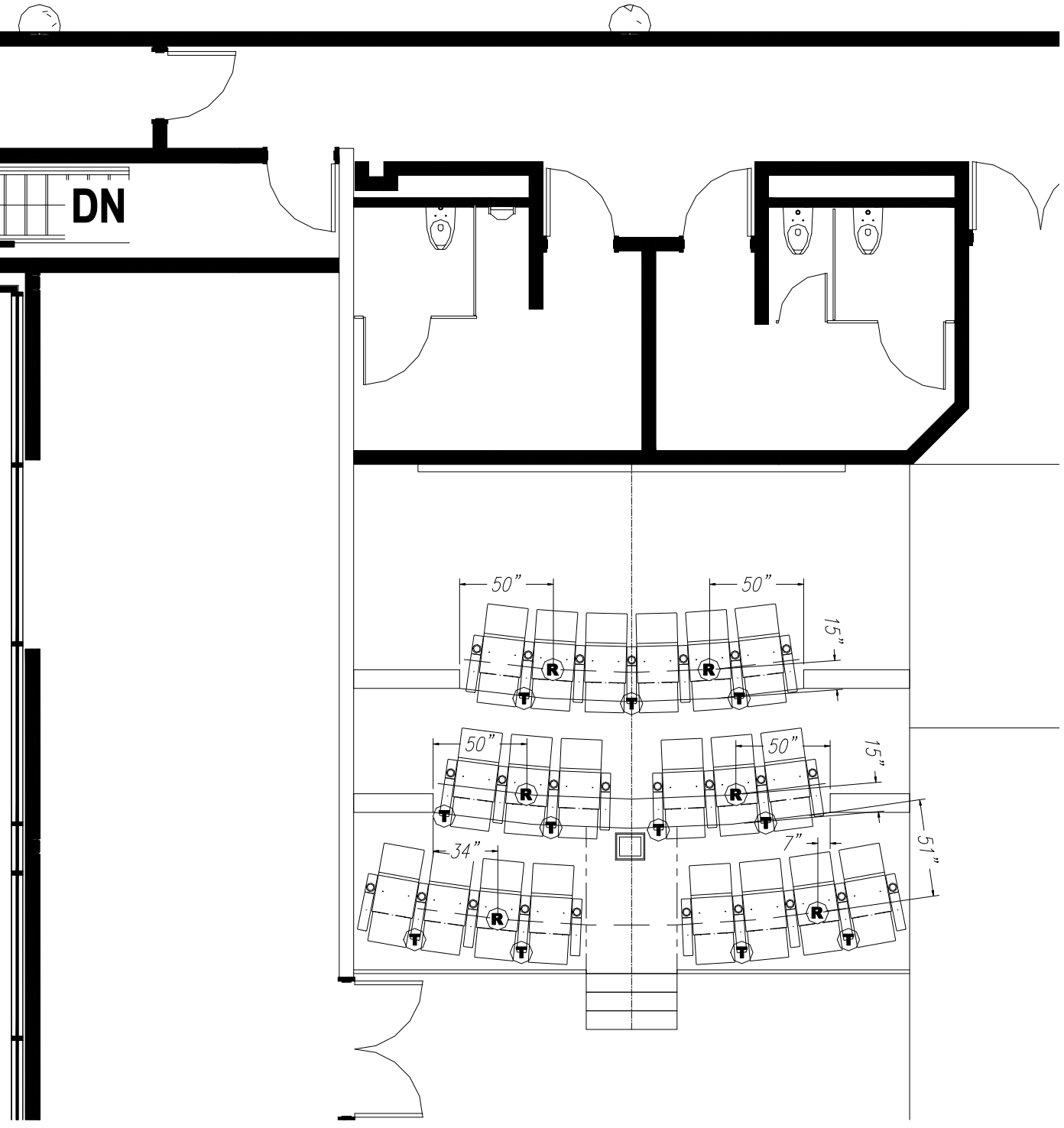
PROJECT: **UNI OF LOUISVILLE NORTH END ZONE EXPANSION**

CLIENT DWG NO: **A1.3.90**

DRAWING NUMBER:
730156 - 3100 A

A3 420x297

A3 420x297



Installation Criteria

Layouts are submitted based on the following conditions:

1. *Verification of compliance with all relevant building codes is the exclusive responsibility of the customer and / or architect.*
2. *Seating layout is subject to site survey.*
   a. *Field verify all set out dimensions including riser heights and plat depths prior to drilling. Any significant variation to layout must be approved prior to proceeding.*
   b. *When installation is not included in Camatic's contract, verification of site building dimensions is the responsibility of the client.*
3. *Concrete Fixing Criteria*
   a. *Concrete is to be a minimum of 20 MPa (3000psi) compressive strength (28 day) and have a density of not less than 2400 kg/m³ (150lb/ft³).*
   b. *The surface shall be smooth and flat to with in a maximum of +/– 3.00mm (1/8") over 1500mm (60") measured with a straight edge.*
   c. *Risers shall be plumb to +/– 3.0mm (1/8") over 1500mm (60").*
   d. *Floor mounted seating will require minimum 75mm (3") thick concrete with minimum 45mm (1¾") impediment free anchor installation zones at mounting locations.*
   e. *Riser mounted seating will require minimum 100mm (4") thick concrete with minimum 65mm (2½") impediment free anchor installation zones at mounting locations.*

   If site details / specifications do not conform to the above, Camatic is unable to accept responsibility for the installation.
4. *Timber Floor Fixing Criteria*
   Due to the nature & variations in timber floors Camatic P/L is unable to supply specific specifications. The following information is based on installations that to have been successfully installed. Timber floors and structure should have the integrity to accommodate the chair loading requirements.

   Preferred Method: The use of specific timber fixings (such as: Type 17 or coach screws) on a one piece or composite structural ply floor of 32mm thickness. If a 32mm structural ply floor is not available, then appropriate battens fixed to the underside of the floor must be used to provide suitable depth of fixing engagement.

   When fixing chairs to timber flooring, it is recommended that flooring details be submitted to Camatic Pty Ltd, for review prior to finalizing timber flooring specifications.
   CES 710–11

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NOTES

POWER LEGEND

Ⓡ	6	RECEPTACLE (DOUBLE)
Ⓣ	11	TRANSFORMER

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REVISIONS			
	A	28.02.2018 HK	PROVISIONAL ISSUE
	No	DATE & INITIAL	DESCRIPTION
SCALE			

TITLE: **PLAYERS LOUNGE POWER LAYOUT**

PROJECT: **UNI OF LOUISVILLE PLAYERS LOUNGE**

CLIENT DWG NO: **2ND FLR OVERALL**

DRAWING NUMBER:

711507 - 031 A

A3 420x297

CAMATIC
SEATING

Proposed Work Plan & Construction Schedule

Authorised By: Ken Griffiths

FOREWORD

This document has been prepared by Camatic Seating as a controlled document specifically for:

City of Fayetteville, NC - Baseball Stadium

This document is designed to reflect the Quality Policies and Practices of Camatic Seating.
Camatic Seating operates within an integrated management system that includes certification to AS/NZS ISO 9001:2000 – Quality Management System Requirements.

DISTRIBUTION OF PROJECT QUALITY PLAN

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2.	CAMATIC ENGINEERING MANAGER
3.	CAMATIC QA MANAGER
4.	INSTALLER
5	GENERAL CONTRACTOR

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Glenn Gambetta
Chief Operating Officer

Julian Bergamin
Quality Manager

Ken Griffiths
Camatic Inc. Vice Presdent Sales North America

Quinten Van Tonder VP
Vice President Sales

Ben Stanton
Sales Manager Cinema Seating North America

Lori Evans
Sales Support Officer

Rhonda Jimmerson
Project Coordinator

Brieanne Casey
Project Coordinator

Configurator
Chris Craddock
Pankaj Bhujbal
Jamarl Scase

Nicholas Flinos
Global Sales and Marketing Manager

Michael Bevanda
Victorian Sales Manager

Jacki Starow
Victorian Sales Manager

Declan Brennan
State Business Development manager NSW/ QLD New Stadium Sales Australia / NZ

Terry Nazar
NSW Sales

Marco Mamotte
Internal Sales

Jamie Fisher
Graphic Designer

Sharan Suvarna
India / Middle East Sales

Caitlin Fisher
Dentons Product Manager

Yianni Athanasopoulos
Dentons Sales Manager NSW

VACANT
Dentons Sales Rep VIC.

Jacinta Fisher
Dentons Merchandiser

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Project Manager

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Bruno Caccamo
Installation Supervisor

Jim Paliouras
Installation Coordinator

VACANT
Installation Supervisor

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Andrey Iliuk
Industrial Designer

Hugh Fan
Industrial Designer

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Industrial Designer

Harry Kim
Draftsperson

Chris Cheong
Draftsperson

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Draftsperson

Steve Bell
Engineering Services

Ben Thompson
Engineering

Steve Vogt
Production Services

Van Nguyen Ung (Ming)
Production Services

Peter Bell
Validation Technician

Francis Schooman
Cleaner

Lyndsay Baczyk
Chief Finance Officer

Pamila Fernando
Financial Controller

Stan Szalek
Credit Controller

Hannah Godbehere
Accounts Payable Officer

Chris Craddock
IT Systems and Process Manager

Jamarl Scase
IT Systems and Process Administrator

Joanne Church
People and Culture Manager

Senada Hadzic
Payroll / AP Administrator

Carolyn Meredith
Receptionist / Customer Service

Dali Zlatkovic
Purchasing / Administration Officer

Dave Keane
Store Supervisor

Shane Holman
Stores

Simon Fischer
Stores

Brendan Bosse
Stores

Brad Mclellan
Manufacturing Supervisor

Pankaj Bhujbal
Production Planner

Kathy Gosland
Stores Coordinator

Chris Laing
Urethane Supervisor

Les Kulwiec
Injection Moulding Supervisor

Lou Manapol
Afternoon Shift Supervisor

Peter Hull
Samples

John Lourey
Procurement Manager

Gayan Perera
Senior Buyer

Ben Leydon
Inventory Controller

See Manufacturing Employee Chart

Alenka Nichols
Freight Manager

Lance Kire
Despatch

Phil Harris
Delivery Driver

Camatic Corporate Structure 2016

SECTION 2 - INSTALLATION PROCEDURES

2.1 Purpose

The purpose of this procedure is to provide instruction to relevant personnel on the processes and coordination involved in the on-site installation of Camatic seating products.

2.2 Scope

This procedure deals with all aspects of coordinating site verification, onsite installation works, inspection and test, and site variations.

2.3 Definitions

GC	- General Contractor/construction Manager
Camatic	- Contractor
Installation Sub-contractor	- Installation Sub-contractor appointed for the purpose of completing all on-site activities for and on behalf of Camatic
ARCH	- Project Architect appointed by the stadium owner / GC.
RFI	Request for Information (FORM 600-005).
RFP	Request for Proposal
ASI	Architects Supplementary Instruction
CCD	Construction Change Directive

2.4 References

Procedures	Identification Code
Document Control	CMS 360-100
Control of Non-conformity	CMS 530-100
Project Installation Schedule	

2.5 Installation Flowchart

2.6 Installation Procedure

2.6.1 Project Manager

The Project Manager is responsible for the overall day to day management of the Project including:

a) Acting as the main project point of contact between GC and Camatic.
b) Acting as the technical liaison between GC and Camatic.
c) The development of scheduling, planning and monitoring of project installation related activities.
d) Co-ordination of the installation activities of sub-contracted installers.
e) The taking of corrective actions to bring the planned activities back onto plan/schedule.
f) Conduct Internal QA Audits as required. Nominal requirements are one QA Check sheet per bay per week.
g) The completion of monthly progress claims..

2.6.2 Project Installation Schedule

The Project Manager is responsible for establishing and maintaining The Project Installation Schedule. This schedule is prepared according to TGC sequencing requirements and is submitted to and approved by GC. All updates of the schedule must be submitted to GC.

The Drilling-Installation Schedule documents the agreed scheduled drilling and installation dates for each sector of the stadium. The Production Schedule documents the manufacturing, container shipment and installation dates. GC is obliged to provide sufficient work areas to be available when required by the schedule.

Camatic will notify GC of any potential delays in access to a required bay via the use of the Site Request for Information (RFI) Form (FORM 600-005).

2.6.3 Installer Pre Commencement Brief

The Project Manager will contact the installer and arrange for a meeting to review the requirements of the project, including the applicable quality requirements, and forward copies of all relevant documents, drawings, etc. to the installer.

2.6.4 Installer(s)

The installer is responsible for sourcing all labour, equipment and tools that are required to ensure the project quality standards and requirements are achieved. The installer is responsible for training all employees to ensure that they are competent in the installation of seats.

Reporting to the Project Manager, the Installation Project Supervisor is responsible for the onsite day to day activities including site labour planning and control. Duties shall also comprise:

a) Ensure check sheets, accident sheets, work instruction are collected each week and returned to Camatic's office.
b) Ensure material/equipment is delivered to site when required.
c) Represent Camatic at site meetings when and where required.
d) Represent Camatic as the onsite Quality Assurance Representative.
e) Hold regular safety meetings with employees as required.
f) Carry out and document preliminary completion /commissioning test.
g) Conduct any on site risk assessments
h) Maintain inventory of all Camatic products on site & in local storage.
i) Reconcile and hand over attic stock

2.6.5 Site Establishment/Induction

Site specific.

2.6.6 Installation Stages

Installation work for the project has been split into six major stages, as follows:

Stage 1: Site Handover and Acceptance

Site acceptance is the responsibility of the Installer. The installer is to ensure that the site:

- meets all safety requirements;
- is dimensional correct to specifications;
- provides sufficient work area;
- is accessible; and
- preceding trades have completed required work to an acceptable level.

The "QA Checklist – Stage 1 Handover & Site Acceptance" (FORM 601-002) is used to perform the review of the site. Acceptance of an area that does not comply with the builder's obligations constitutes changed conditions. In this circumstance Camatic will refer the matter to GC for further instructions via the use of the RFI (FORM 600-005)

Stages 2, 3 and 4: Anchors, Brackets and Seats.

The completion of these three stages is as per the Installation Work Flowchart on page 7.

Stage 5 - Punch List and Final Completion

At the appropriate time, Camatic will apply for Substantial Completion of each Bay.

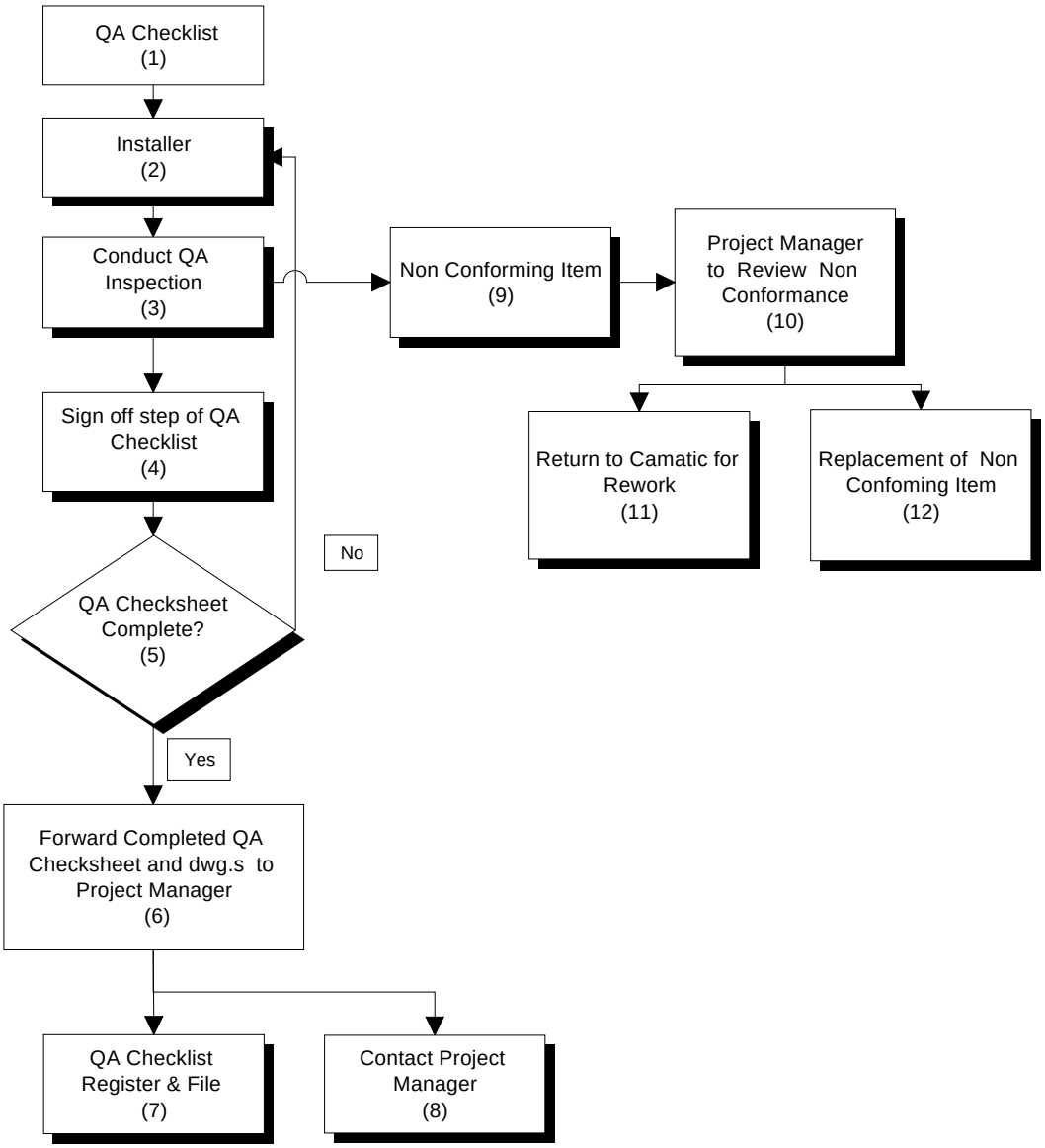
The Installer, GC and owner's representative are to jointly raise a Punch list (Form 600-006) of minor defects and omissions for each Bay.

The Punch list is to be signed off by GC and owner's representative indicating that the bay has achieved Substantial Completion subject to the Punch list. This signoff means that GC has accepted the work as per the Closeout Procedures in the Specification.

When all the Punch list items for the Bay have been completed or corrected, Camatic will return a copy of the Punch list with a written certification.

Stage 6 Attic Stock Hand Over - At the end of the Project the attic stock will be reconciled against the contract requirement and turned over to GC.

Section 3 Quality Records Flowchart.



3.1 QA Checklist

Onsite installation instructions are via the Camatic drawings for the project. The Installer & the Project Manager are issued with a copy of the Project Installation folder, which contains all the required drawings for the project.

The Quality Manager is responsible for establishing a QA Checklist for each individual bay/section for each stage of installation work to be carried out. Each QA Checklist provides the installer with installation instructions, onsite inspection and test instructions/records.

3.1.2 Conduct QA Inspection

The Installer is responsible to check that each installation step is inspected / tested as per the QA Manual.

3.1.3 QA Checklist Completion

After the completion and signoff of any step from the QA Checklist, the Installer may proceed with the next step, until all steps of the QA Installation Flowchart are complete.

After the completion of Stage 2 - drilling and setting of anchors; the installer is responsible for arranging or conducting an anchor tension test according to Work Instruction.

After the completion of Stage 3 - installation of brackets and beams; the installer is to either:

a) sign-off and return the drawing to Project Manager indicating that the beams used are identical to the drawing/take-off; or,
b) mark up the drawing/take-off and return it to the Project Manager for rectification.

After the completion of Stage 4 - installation of the chair to the beam; the installer and/or the Project Manager are to have the drawing for the specific bay signed–off by GC, indicating Substantial Completion of the bay. Any differences between the drawing and the actual installation are to be documented on the drawing. The drawing is then to be returned to Camatic for updating and submittal of “As built” drawings.

Punch lists are to be generated and completed as part of the final inspection process. Signed off punch lists by the customers representative indicate the installation satisfactorily meets the customer’s requirements. If rectification of non-Conformances is required after completion of punch list GC / Customers representative is to sign off reworked items indicating substantial completion of area reviewed.

3.1.4 Forward Completed QA Checklist to Project Manager.

Each completed and signed off QA Checklist is to be returned to the Project Manager on a Sector by Sector basis.

3.1.5 QA Checklist Register & File

The Quality Manager is responsible for documenting the return of the QA Checklist(s) in the QA Installation Checklist Register (Form 601-001) and the storage of QA records until formally submitted to GC at closeout. As the register is updated a copy is to be forwarded to the Engineering, Manufacturing and Project Managers.

3.2 Non-Conforming Items

If during the installation works, a product is found to be defective or unsuitable for use it is to be segregated from the conforming items. Details of the non-conforming product are to be completed on the "On Site Defective/Damaged Goods/ Variance Report" (Form 600-002) for on forwarding to the Camatic Quality Department. The quality department is responsible for conveying the details of the non-Conformance to relevant managers.

3.2.1 Review of Non Conformance by Project Manager

The Installer is to contact the Project Manager to review the non-conforming part for disposition. Whilst completing the review, the Project Manager will consult with all relevant managers of department to ascertain the required corrective and preventive actions (530-01).

3.2.2 Rework/Replacement of Non-Conforming.

If the Installer receives instructions to return the non-conforming part to Camatic for rework/replacement, the Installer is to attach the "On Site Defective/Damaged Goods/ Variance Report" (Form 600-002) to the goods.

On return to Camatic, the store person receiving the non-conforming goods is to notify the Quality Department to arrange the raising of a Non Conformance Report (530-01) for the rework. Rework is processed as per the "Defective Non-Conforming Goods Procedure".

3.3 Progress Reports

Daily Reports

The Installer is responsible for submitting to Camatic project manager by 12.00 PM each day a copy of the "Contractors Daily Report" (Form 600-007) for all work performed the prior day.

Weekly Reports

(Camatic Internal Report Only)

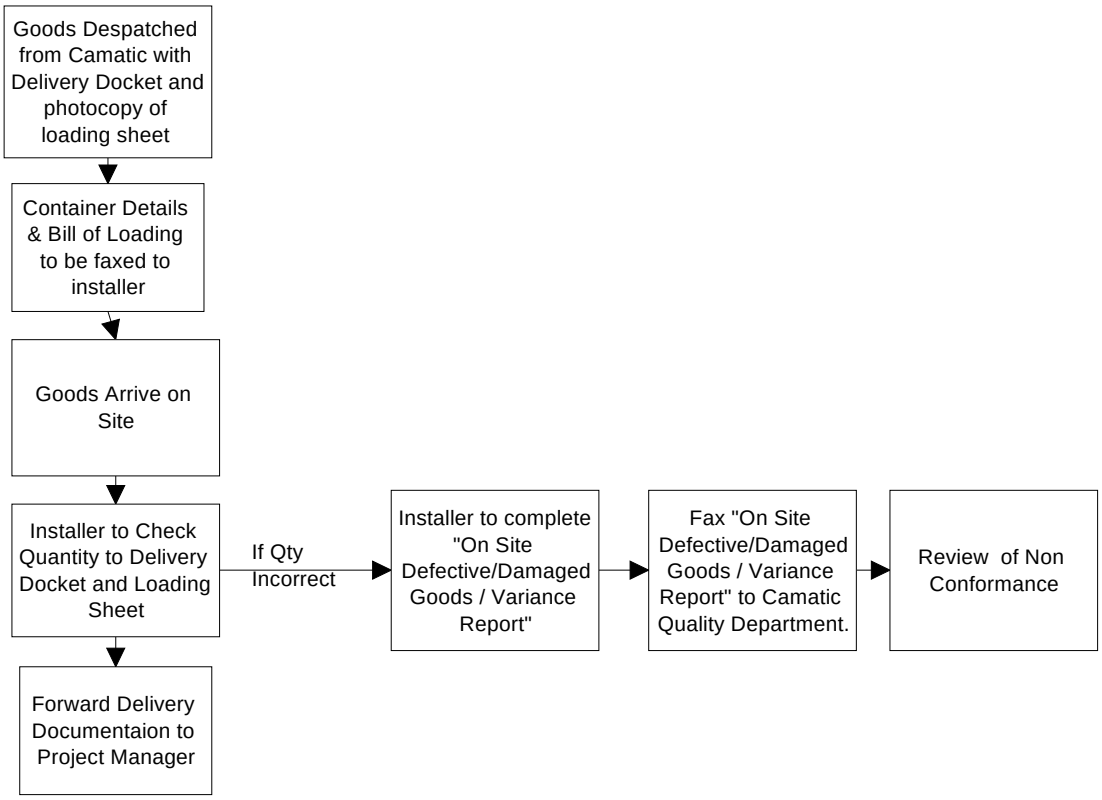
The Project Manager is responsible for summarising the daily reports and issues arising to Camatic on a weekly basis. The "Camatic Weekly Report" is to include an updated copy of the Site Progress Analysis Sheet (Form 600-003).

Monthly Reports

A copy of the Site Progress Analysis Sheet (Form 600-003) and the draft of the Progress Claim Form are to be completed and forwarded to the Camatic Operation Manager for review. The Progress Claim will be authorised by the Operations Manager who will forward the report to the Camatic accounts department for processing as per the Accounting & Payments Procedure.

SECTION 4: RECEIVING GOODS ON-SITE.

4.1 Site Receiving Procedure



If Quantities are incorrect, the installer is to complete the "On Site Defective/Damaged Goods/Variance Report" (Form 600-002). The report is to be forwarded to the Project Manager, who will arrange for any Corrective Action to be taken and to the Quality Manager who will arrange for any preventive action to be undertaken.

SECTION 5: SITE VARIATIONS, RFIs & RFPs

5.1 RFIs & RFPs

Head Office

All General Contractor Requests for Information (RFIs), including all drawing issues, Requests for Proposal (RFPs), and Site Variations are to be forwarded to Camatic.

5.2 SITE INSTRUCTIONS

All Site Instructions to The Installer are to come from Camatic via the use of the Site Instruction Form (Form 600-001).

SECTION 6: INSTALLATION – INSPECTION & TEST PLAN

6.2 Inspection & Test Plan - Quantum Seating

No.	Details	Inspection/Test Method	Frequency	Acceptance Criteria	Record
1.	**Handover & Site Acceptance**				
	Safety	Visual Inspection	Each Section prior to commencement of work daily	All possible OHS hazards to be removed from work area or above work area.	QA Checklist – Stage 1 Handover & Site Acceptance (FORM 601-002) Non Conformances forwarded to TGC via RFI
	Sufficient work access	Visual	Each Section prior to commencement of work daily	Suitable access to safely move equipment, personnel, & product to work area. Suitable access to operate within work area safely.	As Above
	Concrete preparation - Steps; - Caulking; - Sealing; and - Handrails	CG records to be available.	Each Section	Verbal statement of completion by CG	As Above
	Substrate dimensions specification	Check Measure	Each work area on release.	As per specifications.	As Above

6.2 Inspection & Test Plan - Quantum Seating

No.	Details	Inspection/Test Method	Frequency	Acceptance Criteria	Record
2.	**Drilling and Setting of Anchors**				
	Holes drilled to suit Anchor	Measure Depth/diameter/position Holes to be clean	1 in 100 Positions	As per Camatic specification drawing.	"QA Checklist – Stage 2 (FORM 601-06) each individual section.
	Chemset	Check exposed stud for conformant of length of embedment.	1 Position per each aisle per section.	Chemical Anchor Setting (Epcon A7 CWI-600-010) (RE500 CWI-600-011)	"QA Checklist – Stage 2.1 (FORM 601-06)-or each individual section.
	HDI ("Drop-In") Setting	Check depth of HDI below concrete surface.	1 Position per each aisle per section.	As per Camatic specification drawing.	"QA Checklist – Stage 2 .2 (FORM 601-06)
3.	**Anchor Tension Test**	Pull Test	1% Each Section	Chemical Anchor Testing CWI-605-012	Anchor test record (FORM 600-009)
4a.	**Mounting Bracket**				
	Correct Bracket	Visual Self-Inspection	Each Section	As per Camatic specification drawings.	"QA Checklist – Stage 3 (FORM 601-07)" for each individual section/bay.
	Bracket Assembly & Alignment	Visual Inspection	Each Section	As per Camatic specification drawings.	As Above
	Anchor Torque	Torque wrench	5 per Section	As per Camatic specification drawings.	As Above
	Flat Washer	Visual	5 per Section	As per Camatic specification drawings.	As Above
	Anchor Tension	Breakaway torque check - Torque Wrench	5 per Section	As per Camatic specification drawings & as documented on the "QA Checklist – Stage Three (Mounting Brackets and Beams)" for each individual section/bay.	As Above

6.2 Inspection & Test Plan - Quantum Seating

(Cont)	Details	Inspection/Test Method	Frequency	Acceptance Criteria	Record
4a.	Flat Washer	Visual	5 per Section	As per Camatic specification drawings.	As Above
	Stud Tension	Breakaway torque check - Torque Wrench	5 per Section	As per Camatic specification drawings & as documented on the "QA Checklist – Stage 3. (Mounting Brackets and Beams)" for each individual section/bay.	As Above
4b.	**Beam**				
	Correct Beam Length Correct Location	Visual – Checked	Each Section	As per Camatic specification drawings.	As Above
	Beam Assembly – Beam to sit square onto mounting bracket)	Visual	Each Section	As per Camatic specification drawings.	As Above
	Secure Beams to brackets and tightened bolts to specified torque. (T-nut bolt torque)	Torque Wrench	1 per Bay/Section to specified torque.	As per Camatic specification drawings.	As Above
	Load Dispersion Washer	Visual	5 per Section	As per Camatic specification drawings.	As Above
	End Cap Fitment including logo's	Visual	Each end of row	As per Camatic specification drawings.	As Above
	Installer to sign off Section by Section on drawing	As required by Section 4 above,	Each Section	As per individual bays drawing.	Individual Bay Drawing

6.2 Inspection & Test Plan - Quantum Seating

No.	Details	Inspection/Test Method	Frequency	Acceptance Criteria	Record
5.	**Chair Installation**				
	Chair Location /Configuration	Visual checks certifying actual drawing mark-up.	Each Section	As per Camatic specification drawings - Correct Colour Chair to location - Chair configuration eg. arms, upholstery.	"QA Checklist – Stage 4 (FORM 601-08)" for each individual section/bay.
	Toggle Engagement	Visual ensuring that toggle is properly engaged onto beam.	5 per Section	As documented on the "QA Checklist – Stage 4. (FORM 601-08)" for each individual section/bay.	As Above
	Toggle Torque	Torque wrench	5 per Section	As per Camatic specification drawings.	As Above
	Row ID Fitted	Visual Inspection	Each Section	As per Camatic specification drawings.	As Above
	Seat Number Fitted	Visual Inspection	Each Seat 100%	As per Camatic specification drawings.	As Above
	Functionality/Operational Test	Physical/Operational Test	100%	- Seat Tilt - Chair security	As Above
	Bag in place	Visual	100%	All chairs to be bagged.	As Above
	Appearance	Visual (through bag)	100%	No installation or site damage.	As Above
	Installer & GC to sign off bay by bay on drawing.	As required by Section 5 above.	Each Section	As per individual Section drawing.	Individual Section Drawing

SECTION: 7 QA Forms – (Attachments)

	Forms/Work Instructions	Identification Code
Generic Forms	Site instruction	FORM 600-001
	On Site Defective/ Damaged Goods /Variance Report	FORM 600-002
	Site Progress Analysis Sheet	FORM 600-003
	Request For Information (RFI) - On site	FORM 600-005
	Punch list	FORM 600-006
	Contractors Daily Report	FORM 600-007
	Anchor pull test	FORM 600-009
	Rebar Strike Location	FORM 600-010
	Adhesive batch control	FORM 600-011
Generic Checklists	QA Installation Checklist Register	FORM 601-001
	QA Checklist – Stage 1:Handover & Site Acceptance	FORM 601-002
Matrix specific Checklists	QA Checklist – Stage 2: Installation Drilling and Setting of Anchors	FORM 601-003
	QA Checklist – Stage 3: Installation of Risers	FORM 601-04
	QA Checklist – Stage 4: Installation of Matrix Seats.	FORM 601-05
Quantum specific Checklists	QA Checklist – Stage 2: Installation Drilling and Setting of Anchors	FORM 601-06
	QA Checklist – Stage 3: Installation of Risers	FORM 601-07
	QA Checklist – Stage 4: Installation of Quantum Seats.	FORM 601-08

CAMATIC

SITE INSTRUCTION

JOB NO: . . . . . **DATE:**…….

PROJECT NAME:. . . . . .

ADDRESS: :. . . . . .

CONTACT: . . . . . .

CLIENT: . . . . . .

REQUESTED BY: . . . . . .

DESCRIPTION: . . . . . .
. . . . . .
. . . . . .
. . . . . .

RFP:

☐ COST

☐ COST & PROCEED

COST:

ADDITIONAL MATERIALS $

ADDITIONAL LABOUR $

TOTAL ADDITIONS $_____

LESS SUBTRACTIONS $

NET ADDITIONAL COST $_____

COMPLETION TIME:
Due to this instruction the additional time required to complete this project is . . . . . working days.

The completion date for this project is now . . . . . .

CLIENT/SITE AUTHORISATION:

Authority is hereby given to Camatic's Installer(s) to proceed with the work outlined in this instruction for the additional cost, as stated, and it is agreed that the project completion date will be extended by the period stated herein.
I, as the undersigned, am duly authorised to approve the variation to Site Works.

SIGNED: . . . . . DATE: . . . . . / . . . . / . . . . . .

NAME: . . . . . .
(PLEASE PRINT)

On Site Defective/Damaged Goods/Variance Report

CAMATIC

Return To:
Camatic Quality Department
Fax no. 61 03 9800 4629

Date: _____ Project: _____ Delivery Docket Number: _____

Defective / Damaged Good				DGR Fault Code	Variance		
Part Number	**Description**	**Qty**	**Fault**		**Qty on D/D Docket**	**Qty Supplied**	**Qty Over/ (under) supplied**

Name: _____

Signature: _____

DGR Fault Codes	
1. Defective Part Delivered to Site	3. Damaged On Site.
2. Transit Damage	4. Variance

Request For Information

Date:

Date Sent: **Request for Information No:**
Date Received:

WHY IS REQUEST BEING SUBMITTED? (Select one of the following)
[ ] Information necessary to complete shop drawings.
[ ] Information necessary to complete field coordination / erection.
[ ] Other

Information Requested:
Subcontractor's representation: *The undersigned warrants the Contractor has thoroughly researched the documents & information requested does not exist or cannot be ascertained from the information in the documents.*

Submitted By:

Response:
This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the Construction Manager of a change through the change process & not this document.

ASI/CCD to follow: (yes / no)
Incorporate as an ASI: (yes / no)
Contractor's signature & date:

Seat Punch List

Project : New Santa Clara 49ers Stadium

Drawing Number

Page Number

Level No.

Bay No.

Checked By

Date

Accepted

Row ID				Seat No.																																							
		ID 1	ID2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Row																																											
Seat format																																											
Tilt																																											
Push Back																																											
Back/ toggle supports																																											
Seat Number																																											
Secure/Dam.																																											
Row																																											
Seat format																																											
Tilt																																											
Push Back																																											
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Tilt																																											
Push Back																																											
Back/ toggle supports																																											
Seat Number																																											
Secure/Dam.																																											

CONTRACTOR'S DAILY REPORT

Project

Telephone:
Fax:

Date **Company**

Daily Work Description:

Manpower and Equipment:

Qty	Trade	Classification	Qty	Equipment

Manpower Units: Man-hours

Equipment Units: days

Events or Issues:

Distribution:

: original Project manager
: copy

Camatic: fax
61-9800-4629

	Camatic QUALITY PLAN	

CAMATIC

Level / Area: ..... Calibration Date: .....

Date: ..... Inspector: .....

STADIUM SEATING ANCHOR PULL TEST

Testing conducted in accordance with Camatic Chemical Anchor Testing Instruction CWI-605-012

Anchor No.	Sector	Row	Bracket Location As you sit in the seat (see footer)	Anchor Location Top Bottom Left Middle Right	Size & Test Load	Time in Minutes	Pass Fail	Comments

Form 600-009 (06/04)

Note: Bracket numbers from left to right

	Camatic QUALITY PLAN	

CAMATIC

Section:_____ Date:_____

STADIUM SEATING REBAR STRIKE LOCATION

No. of Rebar Strikes	Section	Row	Anchor & Bracket Location As you sit in the seat (see foot note)	Top or Bottom	Drill Depth 2" (51mm)	Comments
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
30						
40						

Note: Bracket number starts from Left to Right
B = Bracket
A = Anchor
LR = Low Riser

CAMATIC

QA Record – **Chemical Anchor Adhesive Batch Control**

Recording Date	Location – Section Number	Hilti Re 500 Batch No.	Epcon A7 Batch No.	Expiry Date

Comments**:**

……

……

……

……

……

……

QA Installation Checklist Register

LEVEL CHECKED:______________________________________

SITE NAME: **DATE:**

Bay No.	**Site review (Stage 1)**	**-Drilling (Stage 2)**	**-Risers (Stage 3)**	**-Seat (Stage 4)**	**Stadium Seating 1% Anchor Pull Tests**	**Stadium Seating 50% Anchor Pull Retests**	**Return of Bay Dwg. Seat & Row No.**	**Punch List complete**

CAMATIC

QA CHECKLIST
Stage 1 – Work Area Handover and Acceptance

Section No. : **Portion:**

ACTION	Handover Accepted	Handover Rejected	Date	Comments
MANDATORY (All Boxes to be Checked Off)				
Safe access				
Assured continuous access				
Dimensionally correct per Camatic drawings & site dimensional review work instruction.				
Other:				
DISCRETIONARY (Select as Applicable)				
Handrails				
Overhead metalwork, electrical, roof plumbing and painting complete				
Rear perimeter complete				
Other:				

Handover Conditions reviewed and accepted by installation
Sub-Contractor: _____

Date: _____

Handover Conditions reviewed and acknowledged by
The General Contractor: _____

Date: _____

CAMATIC

QA CHECKLIST –

Stage 2.- INSTALLATION

2.1 Drilling and Setting of Chemical Anchors – Quantum / Forte

Section No. : _____

<table>
<tr><th>ACTION</th><th>CHECKED BY</th><th>DATE</th></tr>
<tr><td>After drilling</td><td></td><td></td></tr>
<tr><td>Check 1 in 100 positions to ensure that the drilled hole has the correct:
<table>
<tr><td></td><td>Epcon A7</td><td>Hilti Re 500</td></tr>
<tr><td>Depth (min)</td><td>2 ½” (65mm)</td><td>2” (51mm)</td></tr>
<tr><td>Diameter</td><td>7/16” (11mm)</td><td>7/16” (11mm)</td></tr>
</table>
- Position
- Clean of any foreign material</td><td></td><td></td></tr>
<tr><td>Prior to Setting of Anchor</td><td></td><td></td></tr>
<tr><td>Check 5 anchors per bay to verify:
- Anchor description (3/8”x3”stud, mat’l 304 SS)(10 mm x 75mm)
- Anchor diameter of 3/8” (10mm).
- Anchor length of 3”.(75mm)
- Anchor is clean & free of swarf & excessive cutting oils.</td><td></td><td></td></tr>
<tr><td>After insertion of anchor</td><td></td><td></td></tr>
<tr><td>Perform check on exposed stud for conformation of length embedment.
1 stud to be checked per row per bay.
Spec: Max. 1” (25mm)
Min. ¾”(19mm)</td><td></td><td></td></tr>
<tr><td>Remove rubbish & clean up.</td><td></td><td></td></tr>
<tr><td>Verify Adhesive product data is recorded with batch No., expiry date & location used (bay no.) Ref. (Form 600-011) Anchor Adhesive Batch Control Record.</td><td></td><td></td></tr>
<tr><td>Anchor Pull Test completed (1% per bay)
As per CWI-605-012</td><td></td><td></td></tr>
</table>

Comments

CAMATIC

QA CHECKLIST

Stage 2

2.2 Drilling and Setting of HDI Anchors – Quantum / Forte

Section No. : _____

ACTION	CHECKED BY	DATE
After drilling		
Check 1 in 100 positions to ensure that drilled hole is the correct: Riser/tread mount HDI 3/8" x 1 ½"(M10 x 40mm) where used. Depth min. 1 ¾" (43 mm) Diameter ½" (12 mm) Position/ Edge distance min 5 ½" (140mm) - Clean of any foreign material		
Prior to Setting of Anchor **(if anchor is not set same day as drilled)**		
Check 5 anchors per Section to verify: - As per after drilling		
After insertion of anchor		
Perform check on Fixing for conformation of HDI embedment. 1 anchor to be checked per row per Section. HDI Spec: (max) Flush with surface (min) 1mm below surface		
Remove rubbish & clean up.		
Anchor Pull Test completed (1% per bay) As per CWI-605-012		

Comments

CAMATIC

QA CHECKLIST

STAGE 3 Installation of Mounting Brackets and Beams- Quantum / Forte

Section No: _____

ACTION	CHECKED BY	DATE
After Installation of Brackets		
Check that bracket type is correct for location as per drawings.		
Check bracket Assembly & Alignment. Ensure that all brackets are aligned correctly.		
Check presence of Flat Washer. 5 Random checks to be performed per bay.		
Check anchor torque. 5 checks per bay. Ensure torque is between 16 ft lbs to 18 ft lbs. (22-24Nm)		
Disengaging torque check of stud tension 5 random checks to be performed per bay – min 16 ft lbs (22Nm) - max 22 ft lbs (30Nm)		
After Installation of Beams		
Check 100% of Beam lengths to ensure correct beam length and location as per drawing. Notify any changes.		
Check 100% of Beams to ensure that all beam sit square onto the mounting bracket.		
Check T-nut bolt torque. 5 random checks per bay. T-nut bolt torque - min. 33 ft lbs (45Nm) - max 37 ft lbs. (50Nm)		
Visual check of the presence of the load dispersion washer on high riser brackets only (not req'd on low riser or tread mounting brackets). 5 random checks required per bay.		
100% Visual inspection of End Caps. Verify installation of End Caps & Camatic Logo.		
Remove rubbish & clean up.		

Comments:

CAMATIC

QA CHECKLIST

Stage 4 - Installation of Quantum Seats - Quantum

Section No. : _____

ACTION	CHECKED BY	DATE
After Installation of Quantum Chair to Beam		
Visually check chair location and configuration per drawing. (Mark changes on drawing)		
Check toggle engagement to beam. (5 random per Bay, both toggles each location)		
Check toggle torque (5 per Bay min. different location from above) (12 to 13 ft lbs) (16 to 18Nm)		
Check fitment of Row ID discs. Check both ends of each row to verify that all rows have been installed per drawings		
Perform functionality/operation test. 100% tilt test of all chairs. Check all chairs for installation or damage by others.		
Check 100% seat numbers installed according to the drawings. (Mark up any changes on the drawings).		
Cleanup and remove rubbish		
Final check of 100% seats in Bay to ensure protective plastic bags are firmly tied		

Comments

Geno O'Dor
12100 31st Ct N
St Petersburg, FL 33716
Phone: 727-289-7652
Email: geno@si-gp.com

Resume

As founder and Vice President, Geno is committed to surpassing his own accomplishments achieved throughout his career in the industry. It is his goal to carry and turn over a successful installation experience to each and every client. He has been in the seating industry for over 20 years in this capacity in which he has managed projects with contract costs from $10,000 to $2 Million.

Seating Installation Group, LLC – St. Petersburg, FL May 2013 - Present
Vice President, Owner

Working in the seating installation business since 1993, Geno is currently in charge of managing all field operations. His duties include supervising all Project Managers, pay applications and direct contact with the general contractor's project management staff.

Primary Responsibilities
- Oversee day-to-day operations to support the growth of the company.
- Strategic planning and goal-setting keeping the entire organization on track.
- Managing daily operations of personnel, purchasing, and onsite crews.
- Review activity reports and financial statements.
- Develop strong relationships with outside partners and customers.

LG Chairman, LLC – St Petersburg, FL April 2003 – May 2013
Vice President, Owner

Primary Responsibilities
- Lead and evaluate the work of onsite managers and foreman.
- Monitor operations budget performance and engage in company budgeting.
- Oversee the complete operation of the company.

Chairman, Inc. – St Petersburg, FL 1993 – April 2003
Field Operations Manager

Primary Responsibilities
- Managed multiple jobsite crews across the country.
- Create and oversee the tools utilized in the field to improve operation effectiveness.
- Plan and schedule installation projects.
- Address all issues and concerns relating to the field office operations.
- Monitor and manage field expenses within a profitable budget.

Noted projects

Mercedes Benz Falcons Football Stadium – Atlanta, GA	General, Club & Suite Seating
Orlando City Soccer Club Stadium – Orlando, FL	General, Club & Suite Seating
Santa Clara 49ers Football Stadium – Santa Clara, CA	General, Club & Suite Seating
Embarcadero Center Cinema – San Francisco, CA	Theater Seating
San Jose Earthquake Soccer Stadium – San Jose, CA	General, Club & Suite Seating
Dallas Cowboys Football Stadium – Arlington, TX	General, Club & Suite Seating
Tampa Bay Buccaneers Stadium – Tampa, FL	Suite Seating
Tampa Bay Ray Tropicana Stadium – St. Petersburg, FL	Club & Suite Seating
Bell Shoals Baptist – Brandon, FL	3,200 Worship Seating
Word of Faith – Austell, GA	4,000 Worship Seating
First Baptist Woodstock – Woodstock, GA	7,200 Worship Seating

Geno O'Dor
12100 31st Ct N
St Petersburg, FL 33716
Phone: 727-289-7652
Email: geno@si-gp.com

References

Hunt Construction Group, Inc.

Project: San Antonio Spurs

Contact: Sid Perkins

Email: sperkins@huntconstructiongroup.com

Phone: 786-367-1269

Holder Hunt Construction Group, Inc.

Project: Atlanta Falcons

Contact: Stefan

Phone: 404-805-3208

Manhattan Construction

Project: Dallas Cowboys

Contact: Shannon Jones

Email: sjones@manhattanconstruction.com

Geno O'Dor
12100 31st Ct N
St Petersburg, FL 33716
Phone: 727-289-7652
Email: geno@si-gp.com

References

General Contractors / Owners

Camatic Seating, Inc. Attn: Ken Griffiths	1010 West Euless Blvd Suite 110 Euless, TX 76040 (682) 503-5317
Series Seating USA Attn: Mauricio Olarte	20900 NE 30th Avenue Suite 901 Miami, FL 33180 (305) 932-4626
Sauder Manufacturing Company Attn: Tim Figgins	930 W Barre Road Archbold, OH 43502 (800) 537-1530
Mobiliario Seating	Calle del sol #3 San Rafael Chamapa 53660 Naucalpan Estado de Mexico

David C Weymouth

EDUCATION

UNIVERSITY OF MELBOURNE, MELBOURNE BUSINESS SCHOOL
Master of Business Administration (Part Time) ***Jan 2002 – July 2004***

- Specialised in strategy, operations & finance; with 2nd class Honours

MONASH UNIVERSITY, MELBOURNE. **Melbourne, Australia**
Bachelor of Mechanical Engineering (Honours) ***1992 – 1995***

EXPERIENCE

Camatic Seating ***July 2008 – Present***
Camatic is a privately owned, producer of stadium and theatre seating, supplied to the construction industry globally.
Engineering & Projects Manager - Melbourne

- Projects included MCG, Wimbledon, Dallas Cowboys & AAMI Park.
- This role is part of the senior management team reporting to the General Manager
- Primarily responsible for all product development, new asset installation & maintenance of all factory facilities and company assets.

Air International- Thermal Systems Australia ***Jan 2007 – July 2008***
Air international is a global automotive tier one supplier.
Engineering Manager - Melbourne

- Requested to lead the engineering department through a difficult cultural change.
- Strong emphasis on the management of staff, their behaviors and clear performance feedback.
- Managing a large department of 25 people of various disciplines (representing 50% of the organization).
- Staff includes electronic hardware/software & design engineers, designers, significant testing facility, maintenance team & administration staff.
- This role is part of the management team reporting to the General Manager.
- Worked closely with the GM to achieve the desired professional culture.

Air International- Thermal Systems Australia ***Jul 2003 – Jan 2007***
Air international is a global automotive tier one supplier.
Business Unit Manager

- Managing a significant HVAC design & development program for implementation in 2006.
- Responsible for a $20M development budget and $50M in annual sales.
- Includes team management of 15 people and full monthly P&L, Balance sheet and cash flow financial analysis and expenditure reporting of the business unit.
- Team included electronics & software development, design engineering and supply chain logistics.
- Role included client contract negotiations and contract variation negotiations throughout the development program.
- This role is part of the management team reporting to the General Manager.
- Achievements: delivering project $1M under budget while being the most reliable product in company history.

ArvinMeritor
ArvinMeritor is a global automotive tier one supplier.
Senior Program Manager- Melbourne ***Jul 2002 – Mar 2003***

- Delivered several very success design and development programs with contracts to GM, Ford and Mitsubishi. The combined sales of these projects represented $2.0M.
- Responsible for up to 5 staff members (Engineers, CAD, administration, Test lab), and a budget of $500,000.
- Significant manufacturing/operations exposure as this role was based in the manufacturing plant.
- Tier one supplier to Toyota with significant exposure to lean TPS manufacturing practices.

Senior Application Engineer – Detroit, USA ***Jan 2001 – Jun 2002***
18 month assignment in the ArvinMeritor headquarters in Detroit
Personally recommended for this position by the global division VP after several successes in Australia.

- Co-setup and coached new Engineering development team of six people.
- Successfully delivered a product development contract with Ford. This contract involved different design, manufacturing and customer locations. This Project represented USD$55M/yr in sales to ArvinMeritor.

ArvinMeritor
ArvinMeritor is a global automotive tier one supplier.
Product Engineer through to Senior Product Engineer ***Dec 1995 – Dec 2000***

- Design development and testing of various automotive mechanical assemblies
- Three month assignment in an ArvinMeritor facility in France and short trips to Japan and Thailand for new business contracts.
- Significant manufacturing/operations exposure as role was based in the manufacturing plant
- Tier one supplier to Toyota with significant exposure to lean TPS manufacturing practices.

ADDITIONAL
-Short courses
Complete short courses in the following topics;

- Effective Negotiations - Australian Institute of Managers ***1999***
- Leadership and Interpersonal skills - Australian Institute of Managers ***1999***
- Six sigma quality – Green belt ***2001***
- Continuous improvement ***2001***
- Effective personal leadership – LMA ***2005***
- 7 habits of highly effective people – Covey ***2006***
- Graduate Diploma – Lean Systems ***2012***
- Graduate Certificate in Competitive Enterprise **2013**

Resume

NAME	**KENNETH NEIL GRIFFITHS**
ADDRESS	11326 Sanabel Drive Dallas TX 75218
MOBILE TELEPHONE	817.879.6996
DATE OF BIRTH	24th January, 1957
MARITAL STATUS	Married
HEALTH	Excellent

EDUCATION

1974 **INVERELL HIGH SCHOOL**

- Higher School Certificate

1975 - 1980 **UNIVERSITY OF NEW SOUTH WALES**

- Bachelor of Mechanical Engineering (Hons) -
  Cadetship from State Rail Authority of N.S.W.

1994 - 1994 **UNIVERSITY OF NEW SOUTH WALES**

AUSTRALIAN GRADUATE SCHOOL OF MANAGEMENT

- Graduate Management Qualification

CAREER OVERVIEW AND SPECIAL SKILLS

- Extensive experience in manufacturing, production & project management with a sound understanding of people management and the requirements of the manufacturing, production & project environment.
- A multi-disciplinary engineering background.
- Extensive experience with & commitment to Total Quality Management.

EMPLOYMENT HISTORY

June 2009 - Current **CAMATIC SEATING INC** (Dallas TX)

POSITION: SENIOR VP. (Sales & project management of Nth American Operations)

March 2007 - 2009 **CAMATIC SEATING INC** (Dallas TX)

POSITION: VP ENGINEERING

1999 – March 2007 **CAMATIC PTY LTD** (Wantirna Sth, Melbourne)

POSITION: ENGINEERING MANAGER

1995 - May 1999 **MISTRAL INTERNATIONAL PTY LTD** (Dandenong) (Formerly – Wilco Electrical Manufacturers Pty Ltd and RINGGRIP Pty Ltd)

POSITION: MANUFACTURING MANAGER

1981 - 1995 **FORD MOTOR COMPANY OF AUSTRALIA**

Dec 1989 - Jan 1995 **POSITION: PRODUCTION SUPERINTENDENT – PAINT OPERATIONS (BROADMEADOWS ASSEMBLY PLANT)**

Oct 1989 - Nov 1999 **POSITION: SPECIAL ASSIGNMENT – PAINT OPERATIONS**

Jan 1989 - Sep 1989 **POSITION: FOREIGN SERVICE TO FORD, NORTH AMERICAN AUTOMOTIVE OPERATIONS (STATIONED AT LOUISVILLE ASSEMBLY PLANT, KENTUCKY USA)**

May 1988 - Dec 1988 **POSITION: EMPLOYEE INVOLVEMENT FACILITATOR (MANAGEMENT PROMOTION)**

Jul 1985 - May 1988 **POSITION: SUPERVISOR – MAINTENANCE CONTROL AND TOOL ROOM (PROMOTIONAL TRANSFER TO BROADMEADOWS ASSEMBLY PLANT)**

Aug 1984 - Jul 1985 **POSITION: PRODUCTION FACILITIES DESIGN ENGINEER (HOMEBUSH ASSEMBLY PLANT SYDNEY)**

Feb 1984 - Jul 1984 **POSITION: CHIEF MAINTENANCE SUPERVISOR**

1981 - Jan 1984 **POSITION: PRODUCTION FACILITIES DESIGN ENGINEER (HOMEBUSH ESSEMBLY PLANT SYDNEY)**

Feb 1978 - Aug 1981 **STATE RAIL AUTHORITY OF N.S.W.**

Sep 1980 - Aug 1981 **POSITION: MECHANICAL ENGINEER – DESIGN INVESTIGATION SECTION, WAY AND WORKS BRANCH**

Feb 1978 - Sep 1980 **POSITION: ENGINEERING CADET – MECHANICAL DESIGN OFFICE, WAY AND WORKS BRANCH**

REFEREES ARE PROVIDED AT INTERVIEW IF REQUESTED

CAMATIC
SEATING

Camatic Project Profiles

About Us: Global Experience:

CAMATIC

Leading the world in design, comfort, and technology.

The Camatic Seating team has worked on high profile public projects as well as exclusive private sites the world over. Our global experience equips us to provide seamless service – from initial consultation to design, site delivery, and final installation.

Our clients have consistently experienced a superior level of engineering expertise that has lead to breakthrough solutions in challenging environments.

Overview: Our Locations in the US

CAMATIC

Leading the world in design, comfort, and technology.

Corporate Headquarters:

Melbourne, Australia

- 350,000 Square Foot Manufacturing Facility
- Plant Capacity of 600,000 seats per year and increasing

North American Operations:

Texas

- US Corporate Office

Kentucky

St. Louis MO

- Ohio - Manufacturing & warehouse
- Louisiana - Aluminum extrusions.
- California - Injection molding and assembly
- Florida - Warehousing

About Us:

CAMATIC

Leading the world in design, comfort, and technology.

Camatic is the first company in Australia to manufacture commercial and venues seating from design concept right through to finished product in a single location. Camatic has developed a national reputation for innovative design and manufacturing excellence. Throughout the 1980's and 1990's new designs and seating concepts were successfully introduced into the office, theatre, and stadium markets, resulting in the company becoming the largest manufacturer of theatre and stadium seats in Australia.

Major international success arrived during the mid 1990's with the company winning world-wide projects such as the refurbishment of the Pasadena Rose Bowl and the contract to supply stadium seating for the Atlanta Olympic Games. Further major successes ensued both domestically and around the globe. To facilitate the increasing amount of overseas interest in the theatre, stadium and performing arts seating products, international offices have been established in the United States and Europe. A network of Sales Agents in various strategic parts of the world completes the Camatic team and ensures that Camatic products are presented daily to potential users.

For over fifty years Camatic Seating has delivered professional customer support, best quality products and innovative solutions. We are known the world over as the first choice in design, comfort and technology.

CAMATIC

Leading the world in design, comfort, and technology.

Why Camatic Seating?

CAMATIC

Leading the world in design, comfort, and technology.

Unmatched Comfort and Design:

- Continuously Investing in Research and Development.
- New and Innovative Designs.
- Lowest Life Cycle Cost.

Vertically Integrated:

- Manufacture All Chair Parts In-House.
- Use of High Quality Engineering Grade Polymers.
- Integrated Quality Control.

Increased Capacity – Example Below:

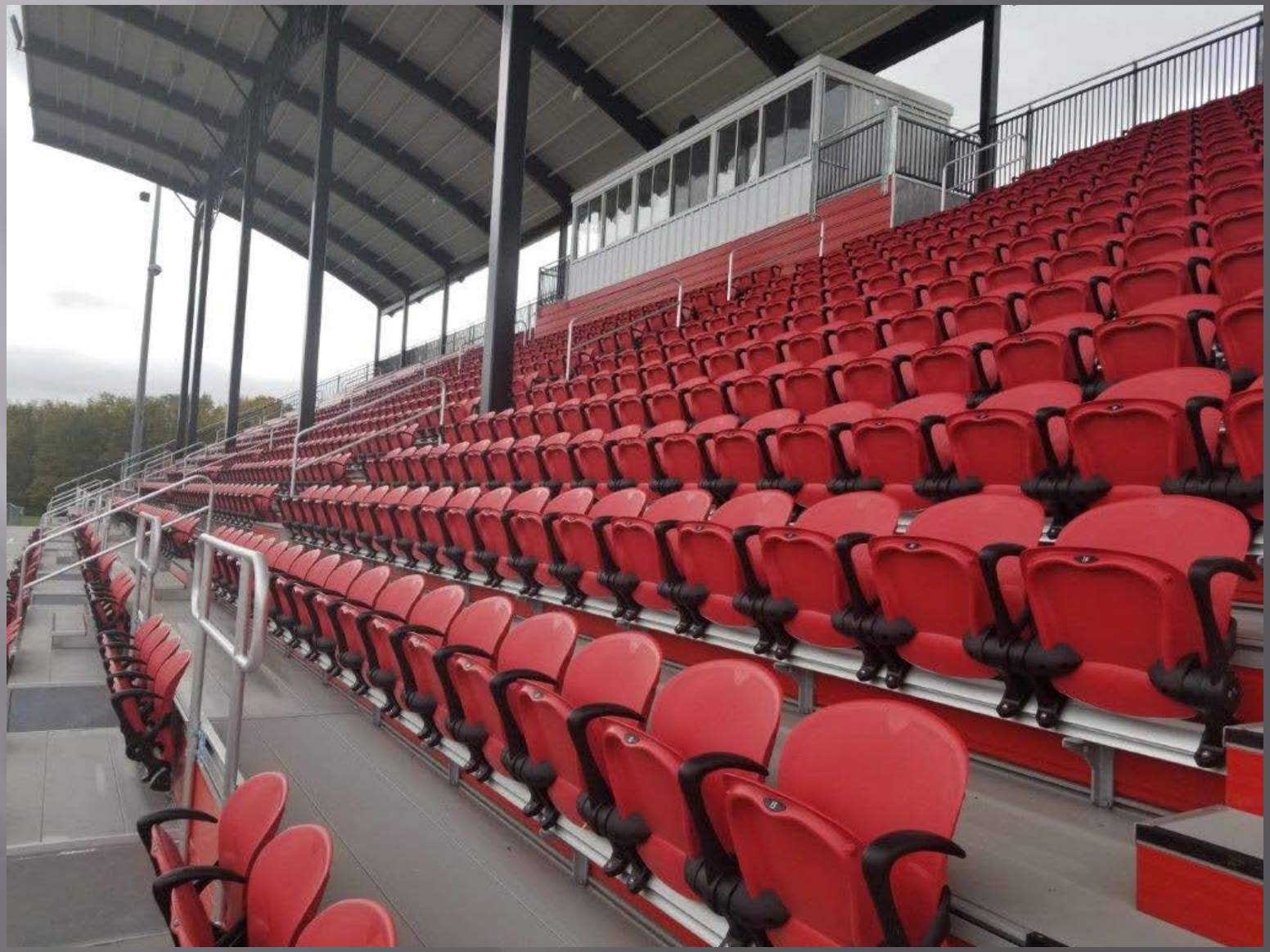
1. Dallas Cowboys – 65,656 Seats Initial Design.
2. Camatic Using Beam Mounted Seating Increased the Seating Capacity to Include 3,100 Additional Seats.
3. (12) Events per Year @ $70 Per Ticket = 2.6 Million a Year in Increased Revenue.

Flexibility to Reconfigure for Special Events (Example Below):

1. Dallas Cowboys – 16,000 Club Seats
2. Add 850 Seats for Special Events.
3. (1) Event @ $1,000 per Ticket = $850k in Increased Revenue Per Event.

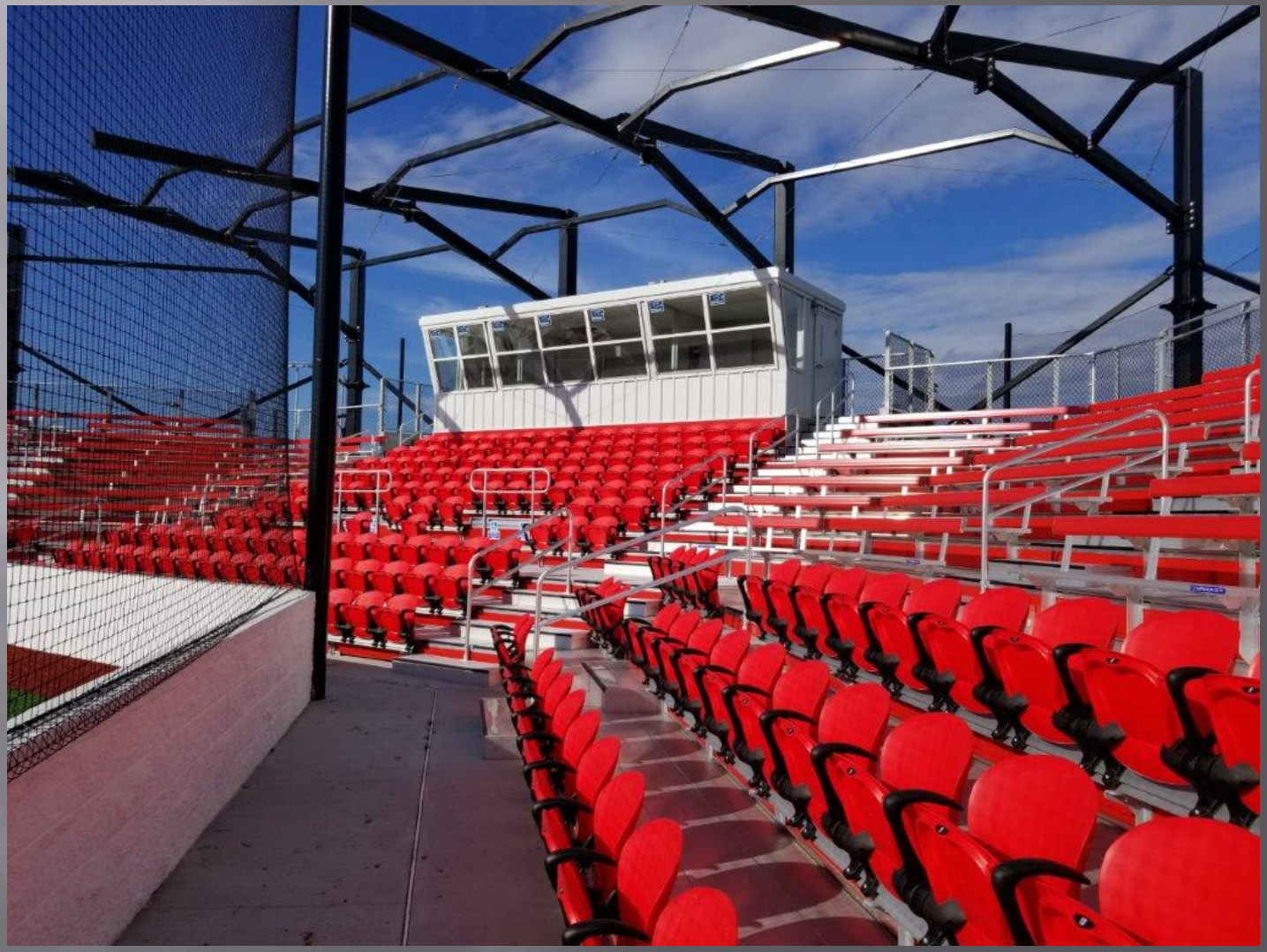
CAMATIC

Mount Olive NJ



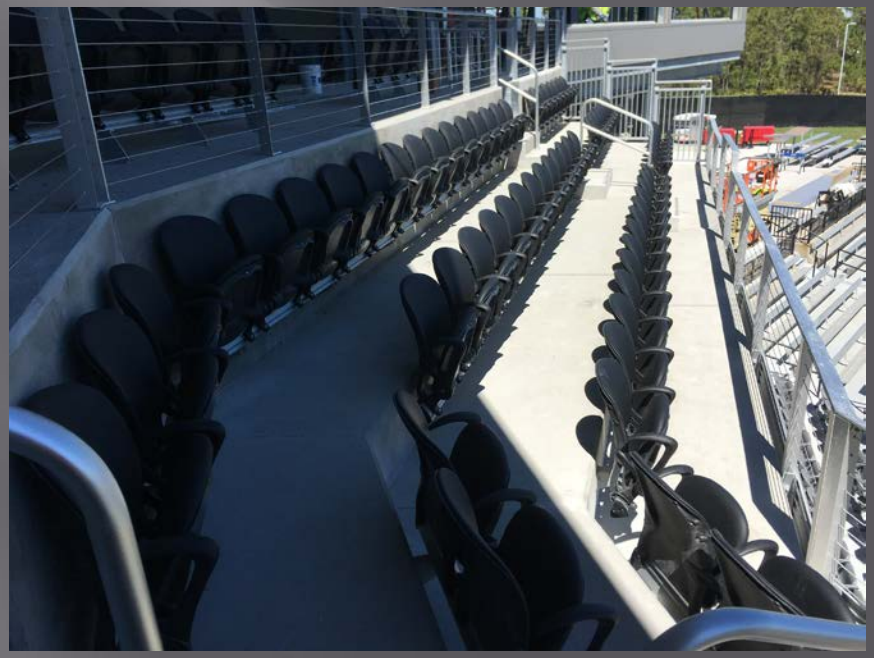
CAMATIC

USSSA Softball Viera FL



CAMATIC

UCF – Baseball

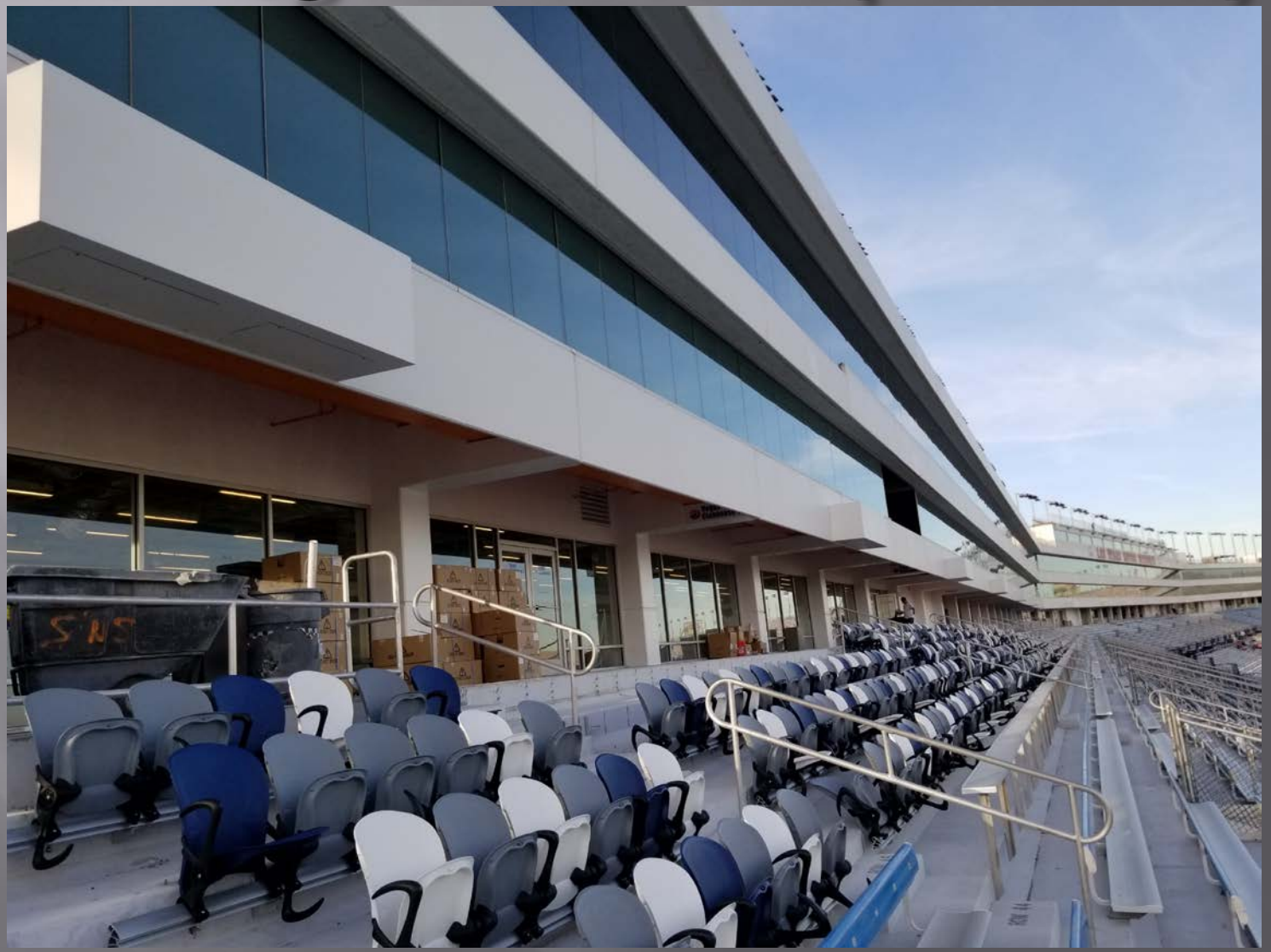


CAMATIC

Michiana Event Center

CAMATIC

Las Vegas Motor Speedway



CAMATIC

U of L - Soccer

Orlando City FC

CAMATIC

Orlando MLS Soccer Stadium
Orlando, Florida
Under Construction
25,500 seats
Architect: Populous
Contractor: Barton Malow

Leading the world in design, comfort, and technology.

Project Profile: New York Red Bulls

CAMATIC

Red Bull Arena (Southern/Camatic)
Harrison, New Jersey
Completed in 2010
28,250 seats
Architect: Rossetti Associates, Inc.
Contractor: Red Bulls Arena – Direct

CAMATIC

ODU – Coming Soon

Project Profile: Dallas Cowboys

CAMATIC

Leading the world in design, comfort, and technology.

AT&T Stadium
Arlington, Texas
Completed in 2009
70,000 seats
Architect: HKS
Contractor:
Manhattan Construction

Project Profile: Seattle Seahawks

CAMATIC

Century Link Field
Seattle, Washington
Completed in 2002
64,500 seats
Architect: Ellerbe Becket
Contractor: Turner Construction

Leading the world in design, comfort, and technology.

Project Profile: Chicago Bears

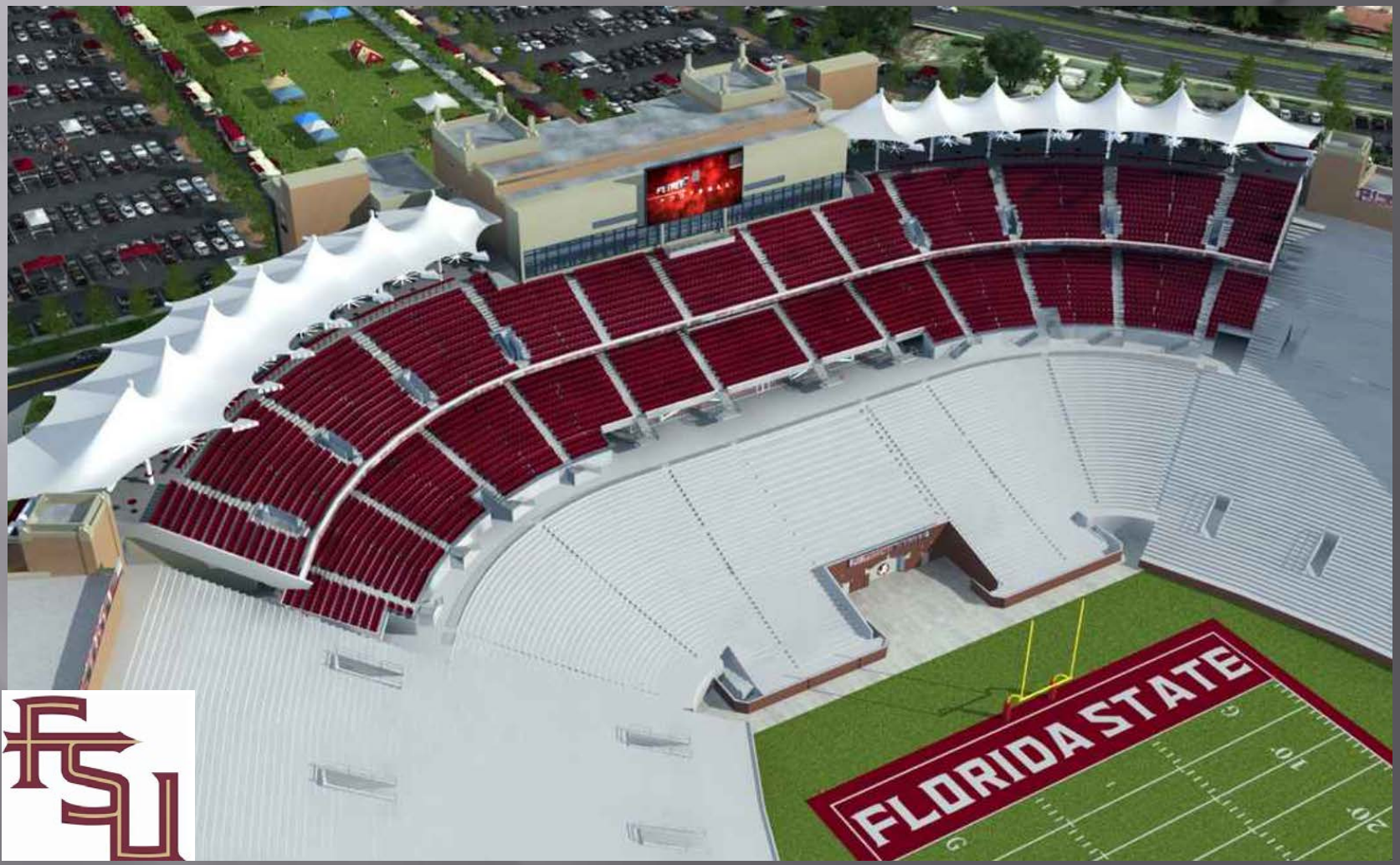
CAMATIC

Soldier Field
Chicago, Illinois
Completed in 2003
61,658 seats
Architect: Lohan Caprile Goettsch Architects
Contractor: Turner/Barton Malow/Kenny

Leading the world in design, comfort, and technology.

CAMATIC

Florida State University



CAMATIC

Austin Peay - Football

Austin Peay State University

Project Profile: San Francisco 49'ers

CAMATIC

Levi's Stadium
Santa Clara, California
Completed in 2014
67,360 seats
Architect: HNTB Corporation
Contractor: Turner/Devcon

Leading the world in design, comfort, and technology.

Project Profile: San Francisco 49'ers

CAMATIC

Leading the world in design, comfort, and technology.

Suite Seating: 2,160 Activa

Custom Team Meeting Room

Project Profile: San Jose Earthquakes

CAMATIC

Avaya Stadium
San Jose, California

GA Seating: Quantum
VIP Seating: Quantum Padded
Club Seating Forte with Tables
Club Seating: Activa

Project Profile: San Jose Earthquakes

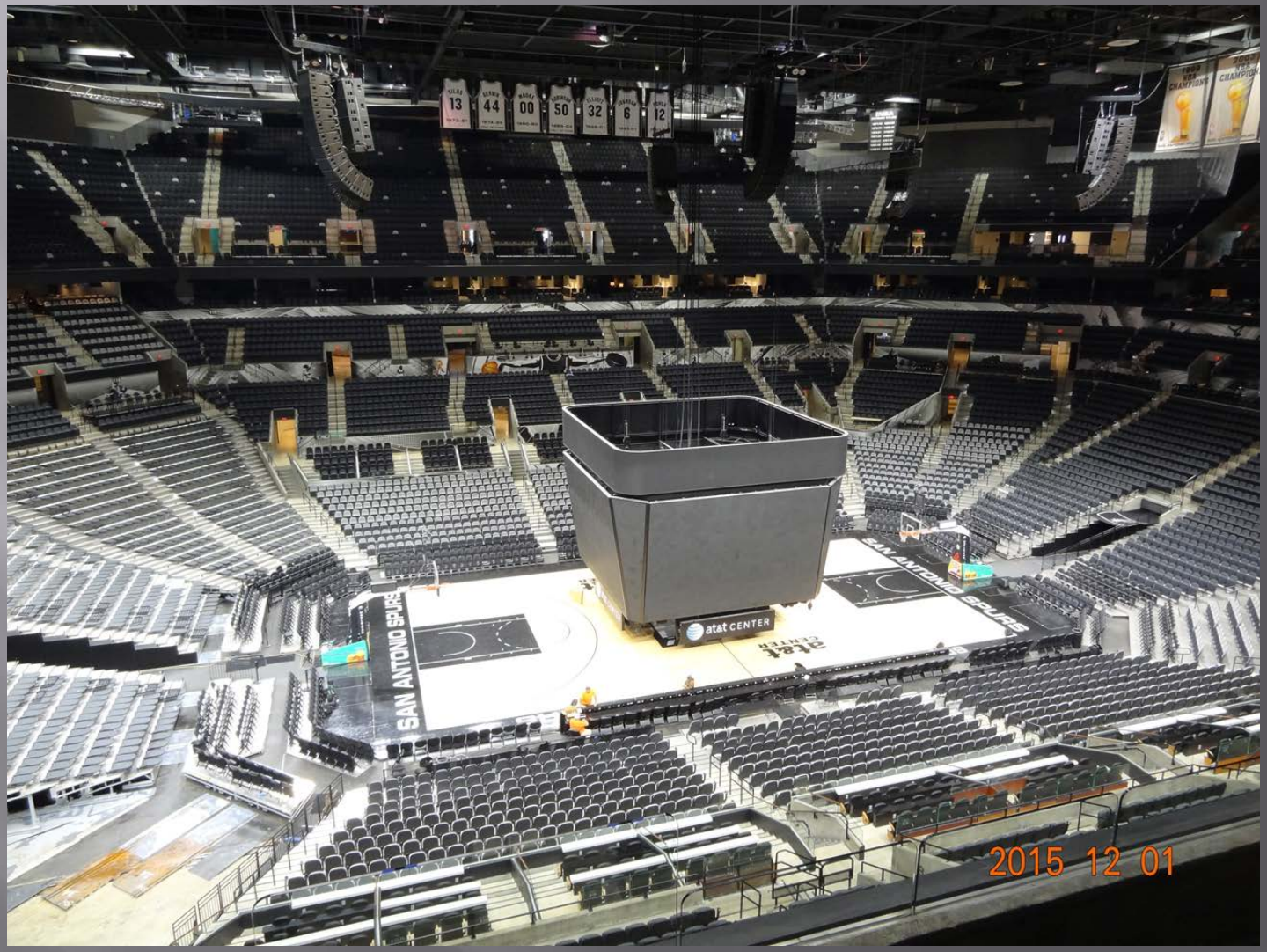
CAMATIC

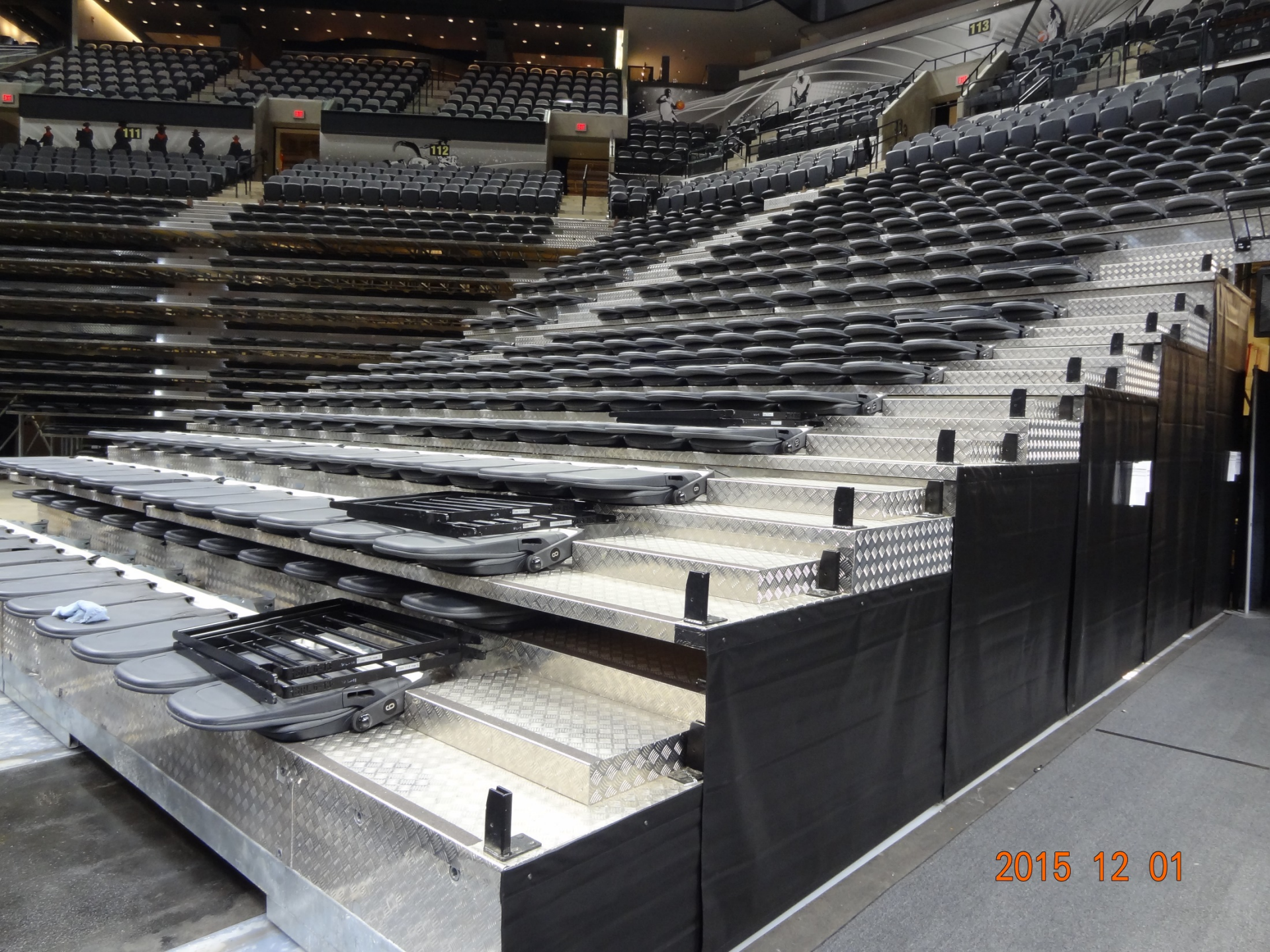
Leading the world in design, comfort, and technology.

Club Seating:
Forte
Forte with Tables
Activa

CAMATIC

AT & T Center

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CAMATIC

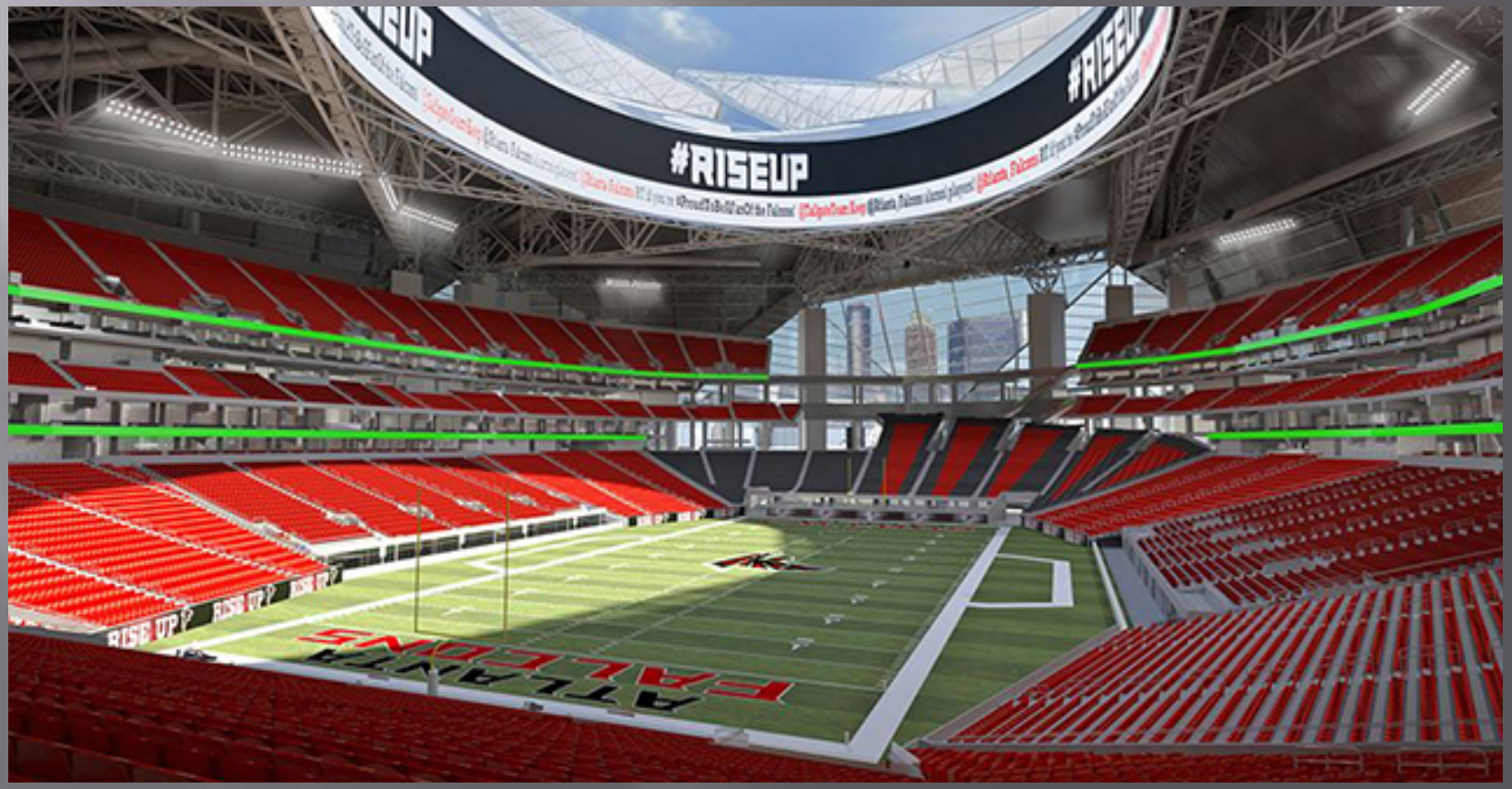
T – Mobile Las Vegas

Atlanta Falcons

CAMATIC

Mercedes-Benz Stadium
Atlanta, Georgia
Under Construction
65,000 seats
Architect: HOK
Contractor: HHRM Joint Venture

Leading the world in design, comfort, and technology.



CAMATIC

University of Villanova PA

CAMATIC

NFL – Hall of Fame Football Stadium

PRO FOOTBALL HALL OF FAME CANTON, OHIO

CAMATIC

Under Construction – Phillips Arena

CAMATIC

LAFC – Under Construction

CAMATIC

Atlanta Braves Spring Training

CAMATIC

Los Angeles Rams